284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : SCOTIA, NY - ANNUAL TESTING

EA ENGINEERING SCIENCE & TECHNOLOGY

269 W. Jefferson Street

Syracuse, NY - 13202

Phone No: 315-431-4610

ORDER ID : P4845

ATTENTION : Jim Hayward

Laboratory Certification ID # 20012

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Cover Page

Order ID : P4845

Project ID : Scotia, NY - Annual Testing

Client : EA Engineering Science & Technology

Lab Sample Number	Client Sample Number
P4845-01	FSND-MW-27-20241112
P4845-02	FSND-MW-B-3-20241112
P4845-03	FSND-MW-36-20241112
P4845-04	FSND-MW-22R-20241112
P4845-05	FSND-MW-23-20241112
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P4845-08	FSND-MW-35-20241112
P4845-09	FSND-RB-1-20241111
P4845-10	FSND-RB-2-20241112
P4845-11	FSND-MW-33-20241112
P4845-12	FSND-MW-31-20241112
P4845-13	FSND-MW-9-20241111
P4845-14	FSND-MW-5-20241111
P4845-15	FSND-MW-12R-20241111
P4845-16	FSND-MW-DUP-01-20241111
P4845-17	FSND-MW-17-20241111
P4845-18	FSND-FD-2-20241111
P4845-19	FSND-GEP-2-20241111
P4845-20	FSND-MW-14-20241111
P4845-21	FSND-MW-13-20241112
P4845-22	FSND-MW-11R-20241112
P4845-23	FSND-MW-18-20241112
P4845-24	FSND-MW-20-20241112

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : N. N. Pandya

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 10:58 am, Dec 02, 2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

EA Engineering Science & Technology
Project Name: Scotia, NY - Annual Testing
Project # N/A
Chemtech Project # P4845
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
24 Water samples were received on 11/14/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_N were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868.The analysis of VOC-TCLVOA-10 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike for {VN1122WBS01} with File ID: VN085014.D met requirements for all samples except for 1,1,2-Trichloroethane[120%] is failing high but no positive hit in associate sample therefore no corrective action taken.

The Blank analysis did not indicate the presence of lab contamination.
The %RSD is greater than 20% in the Initial Calibration method (82N103024W.M) for Methyl Acetate, Acetone, Chloroethane, Chloromethane these compounds are passing on Linear Regression while, 1,4-Dichlorobenzene this compound is passing on Quadratic Regression.
The %RSD is greater than 20% in the Initial Calibration method (82N112224W.M) for Methyl Acetate this compound is passing on Linear Regression.

The Continuous Calibration File ID VN084884.D met the requirements except for Carbon Tetrachloride,Dibromochloromethane,o-Xylene,Trichlorofluoromethane and Chloroethane are failing high but no positive hit in associate sample therefore no corrective action taken.

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The Continuous Calibration File ID VN084935.D met the requirements except for 1,2,4-Trichlorobenzene and Carbon Disulfide is failing marginally low therefore no corrective action taken.

The Continuous Calibration File ID VN084960.D met the requirements except for 2-Hexanone and 4-Methyl-2-Pentanone are failing high but no positive hit in associate sample therefore no corrective action taken.

The Continuous Calibration File ID VN085035.D met the requirements except for Acetone is failing marginally high therefore no corrective action taken.
The Tuning criteria met requirements.

Samples FSND-MW-27-20241112, FSND-MW-22R-20241112, FSND-MW-33-20241112, FSND-GEP-2-20241111 and FSND-MW-13-20241112 were diluted due to high concentrations.

E. Additional Comments:
The Sample #FSND-MW-35-20241112 , FSND-MW-9-20241111, FSND-MW-11R-20241112 , FSND-MW-18-20241112 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

Trip Blank was not provided with this set of samples.
The not QT review data is reported in the Miscellaneous.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature N. N. Pandya

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 10:58 am, Dec 02, 2024

284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: P4845 MATRIX: Water

METHOD: 8260D

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The %RSD is greater than 20% in the Initial Calibration method (82N103024W.M) for Methyl Acetate, Acetone, Chloroethane, Chloromethane these compounds are passing on Linear Regression while, 1,4-Dichlorobenzene this compound is passing on Quadratic Regression. The %RSD is greater than 20% in the Initial Calibration method (82N112224W.M) for Methyl Acetate this compound is passing on Linear Regression. The Continuous Calibration File ID VN084884.D met the requirements except for Carbon Tetrachloride,Dibromochloromethane,o-Xylene,Trichlorofluoromethane and Chloroethane are failing high but no positive hit in associate sample therefore no corrective action taken. The Continuous Calibration File ID VN084935.D met the requirements except for 1,2,4-Trichlorobenzene and Carbon Disulfide is failing marginally low therefore no corrective action taken. The Continuous Calibration File ID VN084960.D met the requirements except for 2-Hexanone and 4-Methyl-2-Pentanone are failing high but no positive hit in associate sample therefore no corrective action taken. The Continuous Calibration File ID VN085035.D met the requirements except for Acetone is failing marginally high therefore no corrective action taken.			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

		NA	NO	YES
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓	
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			
	The Blank Spike for {VN1122WBS01} with File ID: VN085014.D met requirements for all samples except for 1,1,2-Trichloroethane[120%] is failing high but no positive hit in associate sample therefore no corrective action taken.			
9.	Internal Standard Area/Retention Time Shift Meet Criteria			✓
	Comments:			
10.	Analysis Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:

Samples FSND-MW-27-20241112, FSND-MW-22R-20241112, FSND-MW-33-20241112, FSND-GEP-2-20241111 and FSND-MW-13-20241112 were diluted due to high concentrations.

The Sample #FSND-MW-35-20241112 , FSND-MW-9-20241111, FSND-MW-11R-20241112 , FSND-MW-18-20241112 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

Trip Blank was not provided with this set of samples.

The not QT review data is reported in the Miscellaneous.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

S. M. Jodhani

QA REVIEW

REVIEWED

By Sohil Jodhani, QA/QC Director at 9:59 am, Dec 02, 2024

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4845

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: SOHIL JODHANI **Date:** 11/29/2024

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LAB CHRONICLE

OrderID:	P4845	**OrderDate:**	11/14/2024 10:45:00 AM
Client:	EA Engineering Science & Technology	**Project:**	Scotia, NY - Annual Testing
Contact:	Jim Hayward	**Location:**	VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4845-01	**FSND-MW-27-20241112**	**Water**			**11/12/24**			**11/14/24**
			VOC-TCLVOA-10	8260-Low			11/17/24	
P4845-01DL	**FSND-MW-27-20241112DL**	**Water**			**11/12/24**			**11/14/24**
			VOC-TCLVOA-10	8260-Low			11/19/24	
P4845-02	**FSND-MW-B-3-20241112**	**Water**			**11/12/24**			**11/14/24**
			VOC-TCLVOA-10	8260-Low			11/19/24	
P4845-03	**FSND-MW-36-20241112**	**Water**			**11/12/24**			**11/14/24**
			VOC-TCLVOA-10	8260-Low			11/17/24	
P4845-04	**FSND-MW-22R-20241112**	**Water**			**11/12/24**			**11/14/24**
			VOC-TCLVOA-10	8260-Low			11/17/24	
P4845-04DL	**FSND-MW-22R-20241112DL**	**Water**			**11/12/24**			**11/14/24**
			VOC-TCLVOA-10	8260-Low			11/19/24	
P4845-05	**FSND-MW-23-20241112**	**Water**			**11/12/24**			**11/14/24**
			VOC-TCLVOA-10	8260-Low			11/17/24	
P4845-08	**FSND-MW-35-20241112**	**Water**			**11/12/24**			**11/14/24**
			VOC-TCLVOA-10	8260-Low			11/19/24	
P4845-09	**FSND-RB-1-20241111**	**Water**			**11/11/24**			**11/14/24**
			VOC-TCLVOA-10	8260-Low			11/19/24	

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LAB CHRONICLE

P4845-10	**FSND-RB-2-20241112**	**Water**			**11/12/24**		**11/14/24**
			VOC-TCLVOA-10	8260-Low		11/17/24	
P4845-11	**FSND-MW-33-20241112**	**Water**			**11/12/24**		**11/14/24**
			VOC-TCLVOA-10	8260-Low		11/17/24	
P4845-11DL	**FSND-MW-33-20241112DL**	**Water**			**11/12/24**		**11/14/24**
			VOC-TCLVOA-10	8260-Low		11/19/24	
P4845-12	**FSND-MW-31-20241112**	**Water**			**11/12/24**		**11/14/24**
			VOC-TCLVOA-10	8260-Low		11/20/24	
P4845-13	**FSND-MW-9-20241111**	**Water**			**11/11/24**		**11/14/24**
			VOC-TCLVOA-10	8260-Low		11/17/24	
P4845-14	**FSND-MW-5-20241111**	**Water**			**11/11/24**		**11/14/24**
			VOC-TCLVOA-10	8260-Low		11/17/24	
P4845-15	**FSND-MW-12R-20241111**	**Water**			**11/11/24**		**11/14/24**
			VOC-TCLVOA-10	8260-Low		11/19/24	
P4845-16	**FSND-MW-DUP-01-20241111RE**	**Water**			**11/11/24**		**11/14/24**
			VOC-TCLVOA-10	8260-Low		11/19/24	
P4845-17	**FSND-MW-17-20241111**	**Water**			**11/11/24**		**11/14/24**
			VOC-TCLVOA-10	8260-Low		11/17/24	
P4845-18	**FSND-FD-2-20241111**	**Water**			**11/11/24**		**11/14/24**
			VOC-TCLVOA-10	8260-Low		11/17/24	
P4845-19	**FSND-GEP-2-20241111**	**Water**			**11/11/24**		**11/14/24**
			VOC-TCLVOA-10	8260-Low		11/17/24	
P4845-19DL	**FSND-GEP-2-20241111DL**	**Water**			**11/11/24**		**11/14/24**

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LAB CHRONICLE

			VOC-TCLVOA-10	8260-Low		11/19/24	
P4845-20	**FSND-MW-14-20241111**	**Water**			**11/11/24**		**11/14/24**
			VOC-TCLVOA-10	8260-Low		11/19/24	
P4845-21	**FSND-MW-13-20241112**	**Water**			**11/12/24**		**11/14/24**
			VOC-TCLVOA-10	8260-Low		11/22/24	
P4845-21DL	**FSND-MW-13-20241112DL**	**Water**			**11/12/24**		**11/14/24**
			VOC-TCLVOA-10	8260-Low		11/26/24	
P4845-22	**FSND-MW-11R-20241112**	**Water**			**11/12/24**		**11/14/24**
			VOC-TCLVOA-10	8260-Low		11/26/24	
P4845-23	**FSND-MW-18-20241112**	**Water**			**11/12/24**		**11/14/24**
			VOC-TCLVOA-10	8260-Low		11/22/24	
P4845-24	**FSND-MW-20-20241112**	**Water**			**11/12/24**		**11/14/24**
			VOC-TCLVOA-10	8260-Low		11/22/24	

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Hit Summary Sheet
SW-846

SDG No.: P4845

Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	LOD	RDL	Units
Client ID:	**FSND-MW-27-20241112**									
P4845-01	FSND-MW-27-202	Water	cis-1,2-Dichloroethene		12.9		0.25	0.75	1.00	ug/L
P4845-01	FSND-MW-27-202	Water	Trichloroethene		130	E	0.32	0.75	1.00	ug/L
			Total Voc :		143					
			Total Concentration:		143					
Client ID:	**FSND-MW-27-20241112DL**									
P4845-01DL	FSND-MW-27-202	Water	Acetone		67.0	D	7.00	18.8	25.0	ug/L
P4845-01DL	FSND-MW-27-202	Water	cis-1,2-Dichloroethene		14.2	D	1.30	3.80	5.00	ug/L
P4845-01DL	FSND-MW-27-202	Water	Trichloroethene		120	D	1.60	3.80	5.00	ug/L
			Total Voc :		201					
			Total Concentration:		201					
Client ID:	**FSND-MW-B-3-20241112**									
P4845-02	FSND-MW-B-3-20	Water	Tetrachloroethene		4.30		0.25	0.50	1.00	ug/L
			Total Voc :		4.30					
P4845-02	FSND-MW-B-3-20	Water	Sulfur dioxide	*	5.40	J	0		0	ug/L
			Total Tics :		5.40					
			Total Concentration:		9.70					
Client ID:	**FSND-MW-36-20241112**									
P4845-03	FSND-MW-36-202	Water	Trichloroethene		0.66	J	0.32	0.75	1.00	ug/L
			Total Voc :		0.66					
P4845-03	FSND-MW-36-202	Water	Methylal	*	5.10	J	0		0	ug/L
			Total Tics :		5.10					
			Total Concentration:		5.76					
Client ID:	**FSND-MW-22R-20241112**									
P4845-04	FSND-MW-22R-20	Water	Trichloroethene		150	E	0.32	0.75	1.00	ug/L
P4845-04	FSND-MW-22R-20	Water	Tetrachloroethene		4.50		0.25	0.50	1.00	ug/L
			Total Voc :		155					
			Total Concentration:		155					
Client ID:	**FSND-MW-22R-20241112DL**									
P4845-04DL	FSND-MW-22R-20	Water	Trichloroethene		140	D	1.60	3.80	5.00	ug/L
P4845-04DL	FSND-MW-22R-20	Water	Tetrachloroethene		4.10	JD	1.30	2.50	5.00	ug/L
			Total Voc :		144					
			Total Concentration:		144					
Client ID:	**FSND-MW-23-20241112**									
P4845-05	FSND-MW-23-202	Water	Trichloroethene		0.56	J	0.32	0.75	1.00	ug/L
			Total Voc :		0.56					
			Total Concentration:		0.56					
Client ID:	**FSND-MW-35-20241112**									
P4845-08	FSND-MW-35-202	Water	Trichloroethene		30.3		0.32	0.75	1.00	ug/L
			Total Voc :		30.3					

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Hit Summary Sheet
SW-846

SDG No.: P4845

Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	LOD	RDL	Units
P4845-08	FSND-MW-35-202	Water	Acetic acid	*	7.30	J	0		0	ug/L
P4845-08	FSND-MW-35-202	Water	Sulfur dioxide	*	8.10	J	0		0	ug/L
P4845-08	FSND-MW-35-202	Water	Naphthalene	*	3.70	J	0.59		1.00	ug/L
			Total Tics :		19.1					
			Total Concentration:		49.4					
Client ID:	**FSND-RB-1-20241111**									
P4845-09	FSND-RB-1-20241	Water	Acetone		20.2		1.40	3.80	5.00	ug/L
P4845-09	FSND-RB-1-20241	Water	Trichloroethene		0.50	J	0.32	0.75	1.00	ug/L
P4845-09	FSND-RB-1-20241	Water	Toluene		0.36	J	0.18	0.50	1.00	ug/L
			Total Voc :		21.1					
			Total Concentration:		21.1					
Client ID:	**FSND-RB-2-20241112**									
P4845-10	FSND-RB-2-20241	Water	unknown2.906	*	5.90	J	0		0	ug/L
			Total Tics :		5.90					
			Total Concentration:		5.90					
Client ID:	**FSND-MW-33-20241112**									
P4845-11	FSND-MW-33-202	Water	Trichloroethene		140	E	0.32	0.75	1.00	ug/L
			Total Voc :		140					
P4845-11	FSND-MW-33-202	Water	Methylal	*	6.10	J	0		0	ug/L
			Total Tics :		6.10					
			Total Concentration:		146					
Client ID:	**FSND-MW-33-20241112DL**									
P4845-11DL	FSND-MW-33-202	Water	Trichloroethene		140	D	1.60	3.80	5.00	ug/L
			Total Voc :		140					
			Total Concentration:		140					
Client ID:	**FSND-MW-31-20241112**									
P4845-12	FSND-MW-31-202	Water	Acetone		7.90		1.40	3.80	5.00	ug/L
P4845-12	FSND-MW-31-202	Water	cis-1,2-Dichloroethene		1.00		0.25	0.75	1.00	ug/L
P4845-12	FSND-MW-31-202	Water	Trichloroethene		30.4		0.32	0.75	1.00	ug/L
			Total Voc :		39.3					
P4845-12	FSND-MW-31-202	Water	Acetic acid	*	9.00	J	0		0	ug/L
P4845-12	FSND-MW-31-202	Water	1,2,4-Trimethylbenzene	*	0.41	J	0.18		1.00	ug/L
			Total Tics :		9.41					
			Total Concentration:		48.7					
Client ID:	**FSND-MW-9-20241111**									
P4845-13	FSND-MW-9-2024	Water	Trichloroethene		0.96	J	0.32	0.75	1.00	ug/L
			Total Voc :		0.96					
			Total Concentration:		0.96					
Client ID:	**FSND-MW-5-20241111**									
P4845-14	FSND-MW-5-2024	Water	Chloroform		2.60		0.26	0.50	1.00	ug/L

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Hit Summary Sheet
SW-846

SDG No.: P4845

Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	LOD	RDL	Units
			Total Voc :		2.60					
			Total Concentration:		2.60					
Client ID:	**FSND-MW-12R-20241111**									
P4845-15	FSND-MW-12R-20	Water	Carbon Tetrachloride		3.90		0.25	0.50	1.00	ug/L
P4845-15	FSND-MW-12R-20	Water	Chloroform		0.50	J	0.26	0.50	1.00	ug/L
P4845-15	FSND-MW-12R-20	Water	Trichloroethene		11.6		0.32	0.75	1.00	ug/L
P4845-15	FSND-MW-12R-20	Water	Tetrachloroethene		0.81	J	0.25	0.50	1.00	ug/L
			Total Voc :		16.8					
P4845-15	FSND-MW-12R-20	Water	Acetic acid	*	8.90	J	0		0	ug/L
P4845-15	FSND-MW-12R-20	Water	Sulfur dioxide	*	7.50	J	0		0	ug/L
P4845-15	FSND-MW-12R-20	Water	Naphthalene	*	0.96	J	0.59		1.00	ug/L
			Total Tics :		17.4					
			Total Concentration:		34.2					
Client ID:	**FSND-MW-DUP-01-20241111**									
P4845-16	FSND-MW-DUP-0	Water	Acetone		2.70	J	1.40	3.80	5.00	ug/L
P4845-16	FSND-MW-DUP-0	Water	Carbon Tetrachloride		4.30		0.25	0.50	1.00	ug/L
P4845-16	FSND-MW-DUP-0	Water	Chloroform		0.46	J	0.26	0.50	1.00	ug/L
P4845-16	FSND-MW-DUP-0	Water	Trichloroethene		11.6		0.32	0.75	1.00	ug/L
P4845-16	FSND-MW-DUP-0	Water	Tetrachloroethene		0.85	J	0.25	0.50	1.00	ug/L
			Total Voc :		19.9					
			Total Concentration:		19.9					
Client ID:	**FSND-MW-17-20241111**									
P4845-17	FSND-MW-17-202	Water	1,1,1-Trichloroethane		3.90		0.19	0.50	1.00	ug/L
P4845-17	FSND-MW-17-202	Water	Trichloroethene		4.60		0.32	0.75	1.00	ug/L
			Total Voc :		8.50					
P4845-17	FSND-MW-17-202	Water	Methylal	*	7.50	J	0		0	ug/L
			Total Tics :		7.50					
			Total Concentration:		16.0					
Client ID:	**FSND-FD-2-20241111**									
P4845-18	FSND-FD-2-20241	Water	1,1,1-Trichloroethane		4.00		0.19	0.50	1.00	ug/L
P4845-18	FSND-FD-2-20241	Water	Trichloroethene		5.00		0.32	0.75	1.00	ug/L
			Total Voc :		9.00					
P4845-18	FSND-FD-2-20241	Water	Methylal	*	7.40	J	0		0	ug/L
			Total Tics :		7.40					
			Total Concentration:		16.4					
Client ID:	**FSND-GEP-2-20241111**									
P4845-19	FSND-GEP-2-2024	Water	cis-1,2-Dichloroethene		0.41	J	0.25	0.75	1.00	ug/L
P4845-19	FSND-GEP-2-2024	Water	Chloroform		0.31	J	0.26	0.50	1.00	ug/L
P4845-19	FSND-GEP-2-2024	Water	1,1,1-Trichloroethane		12.1		0.19	0.50	1.00	ug/L

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Hit Summary Sheet
SW-846

SDG No.: P4845

Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	LOD	RDL	Units
P4845-19	FSND-GEP-2-2024	Water	Trichloroethene		190	E	0.32	0.75	1.00	ug/L
P4845-19	FSND-GEP-2-2024	Water	Tetrachloroethene		4.70		0.25	0.50	1.00	ug/L
			Total Voc :		208					
			Total Concentration:		208					
Client ID:	**FSND-GEP-2-20241111DL**									
P4845-19DL	FSND-GEP-2-2024	Water	Trichloroethene		170	D	1.60	3.80	5.00	ug/L
P4845-19DL	FSND-GEP-2-2024	Water	Tetrachloroethene		4.60	JD	1.30	2.50	5.00	ug/L
			Total Voc :		175					
			Total Concentration:		175					
Client ID:	**FSND-MW-14-20241111**									
P4845-20	FSND-MW-14-202	Water	Carbon Tetrachloride		0.62	J	0.25	0.50	1.00	ug/L
P4845-20	FSND-MW-14-202	Water	cis-1,2-Dichloroethene		3.50		0.25	0.75	1.00	ug/L
P4845-20	FSND-MW-14-202	Water	Chloroform		0.35	J	0.26	0.50	1.00	ug/L
P4845-20	FSND-MW-14-202	Water	1,1,1-Trichloroethane		7.00		0.19	0.50	1.00	ug/L
P4845-20	FSND-MW-14-202	Water	Trichloroethene		6.40		0.32	0.75	1.00	ug/L
P4845-20	FSND-MW-14-202	Water	Tetrachloroethene		23.8		0.25	0.50	1.00	ug/L
			Total Voc :		41.7					
P4845-20	FSND-MW-14-202	Water	Sulfur dioxide	*	8.20	J	0		0	ug/L
			Total Tics :		8.20					
			Total Concentration:		49.9					
Client ID:	**FSND-MW-13-20241112**									
P4845-21	FSND-MW-13-202	Water	Trichloroethene		120	E	0.32	0.75	1.00	ug/L
P4845-21	FSND-MW-13-202	Water	Tetrachloroethene		0.74	J	0.25	0.50	1.00	ug/L
			Total Voc :		121					
			Total Concentration:		121					
Client ID:	**FSND-MW-13-20241112DL**									
P4845-21DL	FSND-MW-13-202	Water	Trichloroethene		110	D	1.60	3.80	5.00	ug/L
			Total Voc :		110					
			Total Concentration:		110					
Client ID:	**FSND-MW-11R-20241112**									
P4845-22	FSND-MW-11R-20	Water	Acetone		3.80	J	1.40	3.80	5.00	ug/L
P4845-22	FSND-MW-11R-20	Water	Carbon Tetrachloride		4.60		0.25	0.50	1.00	ug/L
P4845-22	FSND-MW-11R-20	Water	Chloroform		0.94	J	0.26	0.50	1.00	ug/L
P4845-22	FSND-MW-11R-20	Water	Trichloroethene		0.70	J	0.32	0.75	1.00	ug/L
P4845-22	FSND-MW-11R-20	Water	1,4-Dichlorobenzene		0.30	J	0.27	0.50	1.00	ug/L
			Total Voc :		10.3					
P4845-22	FSND-MW-11R-20	Water	Sulfur dioxide	*	5.20	J	0		0	ug/L
			Total Tics :		5.20					
			Total Concentration:		15.5					
Client ID:	**FSND-MW-18-20241112**									

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Hit Summary Sheet
SW-846

SDG No.: P4845

Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
P4845-23	FSND-MW-18-202	Water	Acetone	2.90	J	1.40	3.80	5.00	ug/L
P4845-23	FSND-MW-18-202	Water	Trichloroethene	43.6		0.32	0.75	1.00	ug/L
P4845-23	FSND-MW-18-202	Water	Tetrachloroethene	1.20		0.25	0.50	1.00	ug/L
			Total Voc :	47.7					
			Total Concentration:	47.7					
Client ID:	**FSND-MW-20-20241112**								
P4845-24	FSND-MW-20-202	Water	Acetone	4.30	J	1.40	3.80	5.00	ug/L
P4845-24	FSND-MW-20-202	Water	Trichloroethene	33.6		0.32	0.75	1.00	ug/L
P4845-24	FSND-MW-20-202	Water	Tetrachloroethene	1.50		0.25	0.50	1.00	ug/L
			Total Voc :	39.4					
			Total Concentration:	39.4					

QC SUMMARY

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Surrogate Summary

SDG No.: P4845

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4845-01	FSND-MW-27-20241112	1,2-Dichloroethane-d4	50	50.6	101	81	118
		Dibromofluoromethane	50	50.1	100	80	119
		Toluene-d8	50	46.1	92	89	112
		4-Bromofluorobenzene	50	47.0	94	85	114
P4845-01DL	FSND-MW-27-20241112DL	1,2-Dichloroethane-d4	50	51.6	103	81	118
		Dibromofluoromethane	50	49.0	98	80	119
		Toluene-d8	50	46.9	94	89	112
		4-Bromofluorobenzene	50	48.4	97	85	114
P4845-02	FSND-MW-B-3-20241112	1,2-Dichloroethane-d4	50	52.0	104	81	118
		Dibromofluoromethane	50	48.0	96	80	119
		Toluene-d8	50	46.1	92	89	112
		4-Bromofluorobenzene	50	47.6	95	85	114
P4845-03	FSND-MW-36-20241112	1,2-Dichloroethane-d4	50	49.3	98	81	118
		Dibromofluoromethane	50	49.8	100	80	119
		Toluene-d8	50	45.9	92	89	112
		4-Bromofluorobenzene	50	45.5	91	85	114
P4845-04	FSND-MW-22R-20241112	1,2-Dichloroethane-d4	50	49.8	100	81	118
		Dibromofluoromethane	50	49.5	99	80	119
		Toluene-d8	50	46.2	92	89	112
		4-Bromofluorobenzene	50	46.5	93	85	114
P4845-04DL	FSND-MW-22R-20241112DL	1,2-Dichloroethane-d4	50	50.9	102	81	118
		Dibromofluoromethane	50	48.3	96	80	119
		Toluene-d8	50	46.5	93	89	112
		4-Bromofluorobenzene	50	46.1	92	85	114
P4845-05	FSND-MW-23-20241112	1,2-Dichloroethane-d4	50	50.1	100	81	118
		Dibromofluoromethane	50	50.1	100	80	119
		Toluene-d8	50	46.3	93	89	112
		4-Bromofluorobenzene	50	44.9	90	85	114
P4845-06MS	FSND-MW-23-20241112MS	1,2-Dichloroethane-d4	50	48.8	98	81	118
		Dibromofluoromethane	50	50.2	100	80	119
		Toluene-d8	50	49.1	98	89	112
		4-Bromofluorobenzene	50	52.7	105	85	114
P4845-07MSD	FSND-MW-23-20241112MSD	1,2-Dichloroethane-d4	50	48.5	97	81	118
		Dibromofluoromethane	50	49.9	100	80	119
		Toluene-d8	50	48.5	97	89	112
		4-Bromofluorobenzene	50	50.5	101	85	114
P4845-08	FSND-MW-35-20241112	1,2-Dichloroethane-d4	50	51.7	103	81	118
		Dibromofluoromethane	50	47.3	95	80	119
		Toluene-d8	50	44.8	90	89	112
		4-Bromofluorobenzene	50	46.5	93	85	114
P4845-09	FSND-RB-1-20241111	1,2-Dichloroethane-d4	50	52.3	105	81	118
		Dibromofluoromethane	50	48.0	96	80	119
		Toluene-d8	50	46.1	92	89	112
		4-Bromofluorobenzene	50	47.7	95	85	114
P4845-10	FSND-RB-2-20241112	1,2-Dichloroethane-d4	50	49.1	98	81	118
		Dibromofluoromethane	50	49.5	99	80	119
		Toluene-d8	50	45.5	91	89	112
		4-Bromofluorobenzene	50	48.3	97	85	114
P4845-11	FSND-MW-33-20241112	1,2-Dichloroethane-d4	50	49.7	99	81	118
		Dibromofluoromethane	50	49.6	99	80	119

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Surrogate Summary

SDG No.: P4845

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4845-11	FSND-MW-33-20241112	Toluene-d8	50	45.7	91	89	112
		4-Bromofluorobenzene	50	44.8	90	85	114
P4845-11DL	FSND-MW-33-20241112DL	1,2-Dichloroethane-d4	50	51.9	104	81	118
		Dibromofluoromethane	50	48.4	97	80	119
		Toluene-d8	50	46.2	92	89	112
		4-Bromofluorobenzene	50	47.0	94	85	114
P4845-12	FSND-MW-31-20241112	1,2-Dichloroethane-d4	50	51.5	103	81	118
		Dibromofluoromethane	50	48.4	97	80	119
		Toluene-d8	50	45.9	92	89	112
		4-Bromofluorobenzene	50	49.0	98	85	114
P4845-13	FSND-MW-9-20241111	1,2-Dichloroethane-d4	50	50.8	102	81	118
		Dibromofluoromethane	50	50.6	101	80	119
		Toluene-d8	50	45.5	91	89	112
		4-Bromofluorobenzene	50	47.9	96	85	114
P4845-14	FSND-MW-5-20241111	1,2-Dichloroethane-d4	50	50.2	100	81	118
		Dibromofluoromethane	50	51.4	103	80	119
		Toluene-d8	50	46.2	92	89	112
		4-Bromofluorobenzene	50	47.1	94	85	114
P4845-15	FSND-MW-12R-20241111	1,2-Dichloroethane-d4	50	52.1	104	81	118
		Dibromofluoromethane	50	48.5	97	80	119
		Toluene-d8	50	46.1	92	89	112
		4-Bromofluorobenzene	50	47.0	94	85	114
P4845-16	FSND-MW-DUP-01-20241111	1,2-Dichloroethane-d4	50	53.0	106	81	118
		Dibromofluoromethane	50	48.1	96	80	119
		Toluene-d8	50	46.1	92	89	112
		4-Bromofluorobenzene	50	47.5	95	85	114
P4845-17	FSND-MW-17-20241111	1,2-Dichloroethane-d4	50	49.5	99	81	118
		Dibromofluoromethane	50	51.1	102	80	119
		Toluene-d8	50	46.7	93	89	112
		4-Bromofluorobenzene	50	47.5	95	85	114
P4845-18	FSND-FD-2-20241111	1,2-Dichloroethane-d4	50	49.5	99	81	118
		Dibromofluoromethane	50	51.0	102	80	119
		Toluene-d8	50	46.1	92	89	112
		4-Bromofluorobenzene	50	44.5	89	85	114
P4845-19	FSND-GEP-2-20241111	1,2-Dichloroethane-d4	50	50.7	101	81	118
		Dibromofluoromethane	50	51.0	102	80	119
		Toluene-d8	50	48.0	96	89	112
		4-Bromofluorobenzene	50	48.1	96	85	114
P4845-19DL	FSND-GEP-2-20241111DL	1,2-Dichloroethane-d4	50	51.8	103	81	118
		Dibromofluoromethane	50	47.9	96	80	119
		Toluene-d8	50	46.5	93	89	112
		4-Bromofluorobenzene	50	47.5	95	85	114
P4845-20	FSND-MW-14-20241111	1,2-Dichloroethane-d4	50	52.4	105	81	118
		Dibromofluoromethane	50	48.8	98	80	119
		Toluene-d8	50	46.2	92	89	112
		4-Bromofluorobenzene	50	45.6	91	85	114
P4845-21	FSND-MW-13-20241112	1,2-Dichloroethane-d4	50	50.7	101	81	118
		Dibromofluoromethane	50	48.4	97	80	119
		Toluene-d8	50	47.8	96	89	112
		4-Bromofluorobenzene	50	45.9	92	85	114

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Surrogate Summary

SDG No.: P4845

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4845-21DL	FSND-MW-13-20241112DL	1,2-Dichloroethane-d4	50	52.0	104	81	118
		Dibromofluoromethane	50	50.2	100	80	119
		Toluene-d8	50	47.0	94	89	112
		4-Bromofluorobenzene	50	45.9	92	85	114
P4845-22	FSND-MW-11R-20241112	1,2-Dichloroethane-d4	50	52.9	106	81	118
		Dibromofluoromethane	50	51.2	102	80	119
		Toluene-d8	50	47.4	95	89	112
		4-Bromofluorobenzene	50	45.1	90	85	114
P4845-23	FSND-MW-18-20241112	1,2-Dichloroethane-d4	50	51.7	103	81	118
		Dibromofluoromethane	50	48.7	97	80	119
		Toluene-d8	50	47.6	95	89	112
		4-Bromofluorobenzene	50	47.0	94	85	114
P4845-24	FSND-MW-20-20241112	1,2-Dichloroethane-d4	50	52.0	104	81	118
		Dibromofluoromethane	50	49.5	99	80	119
		Toluene-d8	50	47.9	96	89	112
		4-Bromofluorobenzene	50	49.8	100	85	114
VN1117WBL01	VN1117WBL01	1,2-Dichloroethane-d4	50	51.3	103	81	118
		Dibromofluoromethane	50	51.0	102	80	119
		Toluene-d8	50	45.8	92	89	112
		4-Bromofluorobenzene	50	44.9	90	85	114
VN1117WBS01	VN1117WBS01	1,2-Dichloroethane-d4	50	44.5	89	81	118
		Dibromofluoromethane	50	47.6	95	80	119
		Toluene-d8	50	51.0	102	89	112
		4-Bromofluorobenzene	50	53.3	107	85	114
VN1119WBL01	VN1119WBL01	1,2-Dichloroethane-d4	50	51.3	103	81	118
		Dibromofluoromethane	50	48.4	97	80	119
		Toluene-d8	50	46.5	93	89	112
		4-Bromofluorobenzene	50	45.9	92	85	114
VN1119WBS01	VN1119WBS01	1,2-Dichloroethane-d4	50	47.8	96	81	118
		Dibromofluoromethane	50	46.5	93	80	119
		Toluene-d8	50	45.6	91	89	112
		4-Bromofluorobenzene	50	48.2	96	85	114
VN1120WBL01	VN1120WBL01	1,2-Dichloroethane-d4	50	51.1	102	81	118
		Dibromofluoromethane	50	49.5	99	80	119
		Toluene-d8	50	46.1	92	89	112
		4-Bromofluorobenzene	50	46.4	93	85	114
VN1120WBS02	VN1120WBS02	1,2-Dichloroethane-d4	50	46.9	94	81	118
		Dibromofluoromethane	50	48.3	97	80	119
		Toluene-d8	50	44.9	90	89	112
		4-Bromofluorobenzene	50	48.2	96	85	114
VN1122WBL01	VN1122WBL01	1,2-Dichloroethane-d4	50	52.1	104	81	118
		Dibromofluoromethane	50	49.5	99	80	119
		Toluene-d8	50	46.8	94	89	112
		4-Bromofluorobenzene	50	47.8	96	85	114
VN1122WBS01	VN1122WBS01	1,2-Dichloroethane-d4	50	47.8	95	81	118
		Dibromofluoromethane	50	48.4	97	80	119
		Toluene-d8	50	49.9	100	89	112
		4-Bromofluorobenzene	50	50.2	100	85	114
VN1126WBL01	VN1126WBL01	1,2-Dichloroethane-d4	50	51.7	103	81	118
		Dibromofluoromethane	50	49.9	100	80	119

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Surrogate Summary

SDG No.: P4845

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VN1126WBL01	VN1126WBL01	Toluene-d8	50	46.5	93	89	112
		4-Bromofluorobenzene	50	43.5	87	85	114
VN1126WBS01	VN1126WBS01	1,2-Dichloroethane-d4	50	54.6	109	81	118
		Dibromofluoromethane	50	52.6	105	80	119
		Toluene-d8	50	50.8	102	89	112
		4-Bromofluorobenzene	50	51.0	102	85	114

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4845

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : P4845-06MS		**Client Sample ID : FSND-MW-23-20241112MS**						**Datafile :** VN084907.D			
Dichlorodifluoromethane	50	0	47.4	ug/L	95				32	152	
Chloromethane	50	0	47.4	ug/L	95				50	139	
Vinyl chloride	50	0	54.6	ug/L	109				58	137	
Bromomethane	50	0	55.7	ug/L	111				53	141	
Chloroethane	50	0	57.0	ug/L	114				60	138	
Trichlorofluoromethane	50	0	55.4	ug/L	111				65	141	
1,1,2-Trichlorotrifluoroethane	50	0	50.9	ug/L	102				70	136	
1,1-Dichloroethene	50	0	48.4	ug/L	97				71	131	
Acetone	250	0	290	ug/L	116				39	160	
Carbon disulfide	50	0	41.7	ug/L	83				64	133	
Methyl tert-butyl Ether	50	0	54.3	ug/L	109				71	124	
Methyl Acetate	50	0	45.9	ug/L	92				56	136	
Methylene Chloride	50	0	49.6	ug/L	99				74	124	
trans-1,2-Dichloroethene	50	0	48.9	ug/L	98				75	124	
1,1-Dichloroethane	50	0	49.6	ug/L	99				77	125	
Cyclohexane	50	0	45.3	ug/L	91				71	130	
2-Butanone	250	0	280	ug/L	112				56	143	
Carbon Tetrachloride	50	0	55.7	ug/L	111				72	136	
cis-1,2-Dichloroethene	50	0	50.3	ug/L	101				78	123	
Bromochloromethane	50	0	47.7	ug/L	95				78	123	
Chloroform	50	0	52.2	ug/L	104				79	124	
1,1,1-Trichloroethane	50	0	53.8	ug/L	108				74	131	
Methylcyclohexane	50	0	54.1	ug/L	108				72	132	
Benzene	50	0	50.9	ug/L	102				79	120	
1,2-Dichloroethane	50	0	54.7	ug/L	109				73	128	
Trichloroethene	50	0.56	51.5	ug/L	102				79	123	
1,2-Dichloropropane	50	0	52.5	ug/L	105				78	122	
Bromodichloromethane	50	0	54.3	ug/L	109				79	125	
4-Methyl-2-Pentanone	250	0	290	ug/L	116				67	130	
Toluene	50	0	55.3	ug/L	111				80	121	
t-1,3-Dichloropropene	50	0	50.0	ug/L	100				73	127	
cis-1,3-Dichloropropene	50	0	49.1	ug/L	98				75	124	
1,1,2-Trichloroethane	50	0	54.6	ug/L	109				80	119	
2-Hexanone	250	0	300	ug/L	120				57	139	
Dibromochloromethane	50	0	57.6	ug/L	115				74	126	
1,2-Dibromoethane	50	0	54.7	ug/L	109				77	121	
Tetrachloroethene	50	0	52.2	ug/L	104				74	129	
Chlorobenzene	50	0	51.5	ug/L	103				82	118	
Ethyl Benzene	50	0	53.7	ug/L	107				79	121	
m/p-Xylenes	100	0	110	ug/L	110				80	121	
o-Xylene	50	0	57.1	ug/L	114				78	122	
Styrene	50	0	54.9	ug/L	110				78	123	
Bromoform	50	0	57.4	ug/L	115				66	130	
Isopropylbenzene	50	0	52.0	ug/L	104				72	131	
1,1,2,2-Tetrachloroethane	50	0	49.0	ug/L	98				71	121	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4845

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
1,3-Dichlorobenzene	50	0	44.1	ug/L	88				80	119	
1,4-Dichlorobenzene	50	0	48.1	ug/L	96				79	118	
1,2-Dichlorobenzene	50	0	47.1	ug/L	94				80	119	
1,2-Dibromo-3-Chloropropane	50	0	48.1	ug/L	96				62	128	
1,2,4-Trichlorobenzene	50	0	42.3	ug/L	85				69	130	
1,2,3-Trichlorobenzene	50	0	42.8	ug/L	86				69	129	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4845

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : P4845-07MSD		**Client Sample ID : FSND-MW-23-20241112MSD**						**Datafile :** VN084908.D			
Dichlorodifluoromethane	50	0	49.9	ug/L	100		5		32	152	20
Chloromethane	50	0	52.5	ug/L	105		10		50	139	20
Vinyl chloride	50	0	58.7	ug/L	117		7		58	137	20
Bromomethane	50	0	59.2	ug/L	118		6		53	141	20
Chloroethane	50	0	60.6	ug/L	121		6		60	138	20
Trichlorofluoromethane	50	0	59.1	ug/L	118		6		65	141	20
1,1,2-Trichlorotrifluoroethane	50	0	53.1	ug/L	106		4		70	136	20
1,1-Dichloroethene	50	0	50.9	ug/L	102		5		71	131	20
Acetone	250	0	310	ug/L	124		7		39	160	20
Carbon disulfide	50	0	45.0	ug/L	90		8		64	133	20
Methyl tert-butyl Ether	50	0	58.4	ug/L	117		7		71	124	20
Methyl Acetate	50	0	49.3	ug/L	99		7		56	136	20
Methylene Chloride	50	0	52.3	ug/L	105		5		74	124	20
trans-1,2-Dichloroethene	50	0	51.4	ug/L	103		5		75	124	20
1,1-Dichloroethane	50	0	53.7	ug/L	107		8		77	125	20
Cyclohexane	50	0	48.2	ug/L	96		6		71	130	20
2-Butanone	250	0	300	ug/L	120		7		56	143	20
Carbon Tetrachloride	50	0	58.3	ug/L	117		5		72	136	20
cis-1,2-Dichloroethene	50	0	54.5	ug/L	109		8		78	123	20
Bromochloromethane	50	0	49.9	ug/L	100		5		78	123	20
Chloroform	50	0	55.4	ug/L	111		6		79	124	20
1,1,1-Trichloroethane	50	0	56.8	ug/L	114		5		74	131	20
Methylcyclohexane	50	0	56.9	ug/L	114		5		72	132	20
Benzene	50	0	53.5	ug/L	107		5		79	120	20
1,2-Dichloroethane	50	0	57.0	ug/L	114		4		73	128	20
Trichloroethene	50	0.56	54.6	ug/L	108		6		79	123	20
1,2-Dichloropropane	50	0	55.3	ug/L	111		5		78	122	20
Bromodichloromethane	50	0	57.6	ug/L	115		6		79	125	20
4-Methyl-2-Pentanone	250	0	310	ug/L	124		7		67	130	20
Toluene	50	0	57.4	ug/L	115		4		80	121	20
t-1,3-Dichloropropene	50	0	54.1	ug/L	108		8		73	127	20
cis-1,3-Dichloropropene	50	0	52.9	ug/L	106		7		75	124	20
1,1,2-Trichloroethane	50	0	57.0	ug/L	114		4		80	119	20
2-Hexanone	250	0	320	ug/L	128		6		57	139	20
Dibromochloromethane	50	0	61.0	ug/L	122		6		74	126	20
1,2-Dibromoethane	50	0	56.8	ug/L	114		4		77	121	20
Tetrachloroethene	50	0	52.7	ug/L	105		1		74	129	20
Chlorobenzene	50	0	53.4	ug/L	107		4		82	118	20
Ethyl Benzene	50	0	56.8	ug/L	114		6		79	121	20
m/p-Xylenes	100	0	110	ug/L	110		0		80	121	20
o-Xylene	50	0	59.8	ug/L	120		5		78	122	20
Styrene	50	0	58.2	ug/L	116		6		78	123	20
Bromoform	50	0	59.2	ug/L	118		3		66	130	20
Isopropylbenzene	50	0	54.1	ug/L	108		4		72	131	20
1,1,2,2-Tetrachloroethane	50	0	50.6	ug/L	101		3		71	121	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4845

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
1,3-Dichlorobenzene	50	0	47.3	ug/L	95		7		80	119	20
1,4-Dichlorobenzene	50	0	51.1	ug/L	102		6		79	118	20
1,2-Dichlorobenzene	50	0	49.3	ug/L	99		5		80	119	20
1,2-Dibromo-3-Chloropropane	50	0	52.5	ug/L	105		9		62	128	20
1,2,4-Trichlorobenzene	50	0	46.2	ug/L	92		9		69	130	20
1,2,3-Trichlorobenzene	50	0	46.2	ug/L	92		8		69	129	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4845

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low **Datafile :** VN084887.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1117WBS01	Dichlorodifluoromethane	20	19.1	ug/L	96			32	152	
	Chloromethane	20	18.3	ug/L	92			50	139	
	Vinyl chloride	20	21.5	ug/L	108			58	137	
	Bromomethane	20	21.3	ug/L	106			53	141	
	Chloroethane	20	22.2	ug/L	111			60	138	
	Trichlorofluoromethane	20	20.1	ug/L	101			65	141	
	1,1,2-Trichlorotrifluoroethane	20	20.6	ug/L	103			70	136	
	1,1-Dichloroethene	20	18.9	ug/L	95			71	131	
	Acetone	100	93.7	ug/L	94			39	160	
	Carbon disulfide	20	16.1	ug/L	81			64	133	
	Methyl tert-butyl Ether	20	19.6	ug/L	98			71	124	
	Methyl Acetate	20	15.4	ug/L	77			56	136	
	Methylene Chloride	20	19.2	ug/L	96			74	124	
	trans-1,2-Dichloroethene	20	18.3	ug/L	92			75	124	
	1,1-Dichloroethane	20	19.0	ug/L	95			77	125	
	Cyclohexane	20	17.8	ug/L	89			71	130	
	2-Butanone	100	95.8	ug/L	96			56	143	
	Carbon Tetrachloride	20	22.0	ug/L	110			72	136	
	cis-1,2-Dichloroethene	20	18.6	ug/L	93			78	123	
	Bromochloromethane	20	21.8	ug/L	109			78	123	
	Chloroform	20	19.9	ug/L	100			79	124	
	1,1,1-Trichloroethane	20	20.6	ug/L	103			74	131	
	Methylcyclohexane	20	19.4	ug/L	97			72	132	
	Benzene	20	19.5	ug/L	98			79	120	
	1,2-Dichloroethane	20	21.1	ug/L	106			73	128	
	Trichloroethene	20	19.5	ug/L	98			79	123	
	1,2-Dichloropropane	20	19.8	ug/L	99			78	122	
	Bromodichloromethane	20	21.8	ug/L	109			79	125	
	4-Methyl-2-Pentanone	100	120	ug/L	120			67	130	
	Toluene	20	23.2	ug/L	116			80	121	
	t-1,3-Dichloropropene	20	20.8	ug/L	104			73	127	
	cis-1,3-Dichloropropene	20	22.0	ug/L	110			75	124	
	1,1,2-Trichloroethane	20	23.2	ug/L	116			80	119	
	2-Hexanone	100	120	ug/L	120			57	139	
	Dibromochloromethane	20	24.1	ug/L	121			74	126	
	1,2-Dibromoethane	20	22.8	ug/L	114			77	121	
	Tetrachloroethene	20	20.9	ug/L	104			74	129	
	Chlorobenzene	20	19.9	ug/L	100			82	118	
	Ethyl Benzene	20	19.6	ug/L	98			79	121	
	m/p-Xylenes	40	41.6	ug/L	104			80	121	
	o-Xylene	20	21.4	ug/L	107			78	122	
	Styrene	20	20.8	ug/L	104			78	123	
	Bromoform	20	21.6	ug/L	108			66	130	
	Isopropylbenzene	20	19.2	ug/L	96			72	131	
	1,1,2,2-Tetrachloroethane	20	19.7	ug/L	99			71	121	
	1,3-Dichlorobenzene	20	17.5	ug/L	88			80	119	
	1,4-Dichlorobenzene	20	18.9	ug/L	95			79	118	
	1,2-Dichlorobenzene	20	18.2	ug/L	91			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4845

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low **Datafile :** VN084887.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1117WBS01	1,2-Dibromo-3-Chloropropane	20	18.2	ug/L	91			62	128	
	1,2,4-Trichlorobenzene	20	14.7	ug/L	74			69	130	
	1,2,3-Trichlorobenzene	20	15.3	ug/L	77			69	129	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4845

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low **Datafile :** VN084938.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1119WBS01	Dichlorodifluoromethane	20	18.8	ug/L	94			32	152	
	Chloromethane	20	16.8	ug/L	84			50	139	
	Vinyl chloride	20	19.4	ug/L	97			58	137	
	Bromomethane	20	18.8	ug/L	94			53	141	
	Chloroethane	20	19.9	ug/L	100			60	138	
	Trichlorofluoromethane	20	19.8	ug/L	99			65	141	
	1,1,2-Trichlorotrifluoroethane	20	20.7	ug/L	104			70	136	
	1,1-Dichloroethene	20	18.9	ug/L	95			71	131	
	Acetone	100	120	ug/L	120			39	160	
	Carbon disulfide	20	16.3	ug/L	81			64	133	
	Methyl tert-butyl Ether	20	20.9	ug/L	104			71	124	
	Methyl Acetate	20	18.6	ug/L	93			56	136	
	Methylene Chloride	20	19.3	ug/L	97			74	124	
	trans-1,2-Dichloroethene	20	19.0	ug/L	95			75	124	
	1,1-Dichloroethane	20	20.1	ug/L	101			77	125	
	Cyclohexane	20	19.1	ug/L	96			71	130	
	2-Butanone	100	120	ug/L	120			56	143	
	Carbon Tetrachloride	20	19.5	ug/L	98			72	136	
	cis-1,2-Dichloroethene	20	19.6	ug/L	98			78	123	
	Bromochloromethane	20	23.3	ug/L	117			78	123	
	Chloroform	20	20.7	ug/L	104			79	124	
	1,1,1-Trichloroethane	20	20.6	ug/L	103			74	131	
	Methylcyclohexane	20	19.5	ug/L	98			72	132	
	Benzene	20	19.3	ug/L	97			79	120	
	1,2-Dichloroethane	20	21.1	ug/L	106			73	128	
	Trichloroethene	20	18.7	ug/L	94			79	123	
	1,2-Dichloropropane	20	19.9	ug/L	100			78	122	
	Bromodichloromethane	20	20.1	ug/L	101			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	20.6	ug/L	103			80	121	
	t-1,3-Dichloropropene	20	18.9	ug/L	95			73	127	
	cis-1,3-Dichloropropene	20	19.8	ug/L	99			75	124	
	1,1,2-Trichloroethane	20	20.8	ug/L	104			80	119	
	2-Hexanone	100	120	ug/L	120			57	139	
	Dibromochloromethane	20	20.0	ug/L	100			74	126	
	1,2-Dibromoethane	20	19.9	ug/L	100			77	121	
	Tetrachloroethene	20	19.2	ug/L	96			74	129	
	Chlorobenzene	20	18.9	ug/L	95			82	118	
	Ethyl Benzene	20	19.4	ug/L	97			79	121	
	m/p-Xylenes	40	40.1	ug/L	100			80	121	
	o-Xylene	20	20.6	ug/L	103			78	122	
	Styrene	20	19.4	ug/L	97			78	123	
	Bromoform	20	20.3	ug/L	102			66	130	
	Isopropylbenzene	20	18.9	ug/L	95			72	131	
	1,1,2,2-Tetrachloroethane	20	19.2	ug/L	96			71	121	
	1,3-Dichlorobenzene	20	16.7	ug/L	84			80	119	
	1,4-Dichlorobenzene	20	17.5	ug/L	88			79	118	
	1,2-Dichlorobenzene	20	16.9	ug/L	85			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4845

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low **Datafile :** VN084938.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1119WBS01	1,2-Dibromo-3-Chloropropane	20	18.8	ug/L	94			62	128	
	1,2,4-Trichlorobenzene	20	15.0	ug/L	75			69	130	
	1,2,3-Trichlorobenzene	20	14.8	ug/L	74			69	129	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4845

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low **Datafile :** VN084964.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1120WBS02	Dichlorodifluoromethane	20	20.6	ug/L	103			32	152	
	Chloromethane	20	17.8	ug/L	89			50	139	
	Vinyl chloride	20	19.3	ug/L	97			58	137	
	Bromomethane	20	20.1	ug/L	101			53	141	
	Chloroethane	20	19.2	ug/L	96			60	138	
	Trichlorofluoromethane	20	19.8	ug/L	99			65	141	
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/L	98			70	136	
	1,1-Dichloroethene	20	19.0	ug/L	95			71	131	
	Acetone	100	110	ug/L	110			39	160	
	Carbon disulfide	20	17.8	ug/L	89			64	133	
	Methyl tert-butyl Ether	20	21.8	ug/L	109			71	124	
	Methyl Acetate	20	19.7	ug/L	99			56	136	
	Methylene Chloride	20	20.2	ug/L	101			74	124	
	trans-1,2-Dichloroethene	20	19.2	ug/L	96			75	124	
	1,1-Dichloroethane	20	19.8	ug/L	99			77	125	
	Cyclohexane	20	18.8	ug/L	94			71	130	
	2-Butanone	100	120	ug/L	120			56	143	
	Carbon Tetrachloride	20	20.8	ug/L	104			72	136	
	cis-1,2-Dichloroethene	20	20.1	ug/L	101			78	123	
	Bromochloromethane	20	21.8	ug/L	109			78	123	
	Chloroform	20	20.6	ug/L	103			79	124	
	1,1,1-Trichloroethane	20	20.0	ug/L	100			74	131	
	Methylcyclohexane	20	20.6	ug/L	103			72	132	
	Benzene	20	19.8	ug/L	99			79	120	
	1,2-Dichloroethane	20	21.4	ug/L	107			73	128	
	Trichloroethene	20	19.6	ug/L	98			79	123	
	1,2-Dichloropropane	20	20.7	ug/L	104			78	122	
	Bromodichloromethane	20	20.2	ug/L	101			79	125	
	4-Methyl-2-Pentanone	100	130	ug/L	130			67	130	
	Toluene	20	20.7	ug/L	104			80	121	
	t-1,3-Dichloropropene	20	19.4	ug/L	97			73	127	
	cis-1,3-Dichloropropene	20	20.2	ug/L	101			75	124	
	1,1,2-Trichloroethane	20	21.9	ug/L	110			80	119	
	2-Hexanone	100	130	ug/L	130			57	139	
	Dibromochloromethane	20	21.5	ug/L	108			74	126	
	1,2-Dibromoethane	20	21.3	ug/L	106			77	121	
	Tetrachloroethene	20	19.7	ug/L	99			74	129	
	Chlorobenzene	20	19.3	ug/L	97			82	118	
	Ethyl Benzene	20	19.6	ug/L	98			79	121	
	m/p-Xylenes	40	39.3	ug/L	98			80	121	
	o-Xylene	20	20.7	ug/L	104			78	122	
	Styrene	20	20.2	ug/L	101			78	123	
	Bromoform	20	20.0	ug/L	100			66	130	
	Isopropylbenzene	20	19.3	ug/L	97			72	131	
	1,1,2,2-Tetrachloroethane	20	20.4	ug/L	102			71	121	
	1,3-Dichlorobenzene	20	17.5	ug/L	88			80	119	
	1,4-Dichlorobenzene	20	18.0	ug/L	90			79	118	
	1,2-Dichlorobenzene	20	18.0	ug/L	90			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4845

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low **Datafile :** VN084964.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1120WBS02	1,2-Dibromo-3-Chloropropane	20	20.6	ug/L	103			62	128	
	1,2,4-Trichlorobenzene	20	16.0	ug/L	80			69	130	
	1,2,3-Trichlorobenzene	20	16.5	ug/L	83			69	129	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4845

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low **Datafile :** VN085014.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1122WBS01	Dichlorodifluoromethane	20	22.1	ug/L	111			32	152	
	Chloromethane	20	20.3	ug/L	102			50	139	
	Vinyl chloride	20	21.8	ug/L	109			58	137	
	Bromomethane	20	20.8	ug/L	104			53	141	
	Chloroethane	20	20.5	ug/L	103			60	138	
	Trichlorofluoromethane	20	22.1	ug/L	111			65	141	
	1,1,2-Trichlorotrifluoroethane	20	22.4	ug/L	112			70	136	
	1,1-Dichloroethene	20	22.3	ug/L	112			71	131	
	Acetone	100	130	ug/L	130			39	160	
	Carbon disulfide	20	19.9	ug/L	100			64	133	
	Methyl tert-butyl Ether	20	23.1	ug/L	116			71	124	
	Methyl Acetate	20	22.8	ug/L	114			56	136	
	Methylene Chloride	20	21.4	ug/L	107			74	124	
	trans-1,2-Dichloroethene	20	22.0	ug/L	110			75	124	
	1,1-Dichloroethane	20	22.2	ug/L	111			77	125	
	Cyclohexane	20	21.9	ug/L	110			71	130	
	2-Butanone	100	120	ug/L	120			56	143	
	Carbon Tetrachloride	20	22.9	ug/L	115			72	136	
	cis-1,2-Dichloroethene	20	22.3	ug/L	112			78	123	
	Bromochloromethane	20	17.4	ug/L	87			78	123	
	Chloroform	20	21.7	ug/L	109			79	124	
	1,1,1-Trichloroethane	20	22.1	ug/L	111			74	131	
	Methylcyclohexane	20	23.8	ug/L	119			72	132	
	Benzene	20	22.8	ug/L	114			79	120	
	1,2-Dichloroethane	20	22.8	ug/L	114			73	128	
	Trichloroethene	20	22.4	ug/L	112			79	123	
	1,2-Dichloropropane	20	22.3	ug/L	112			78	122	
	Bromodichloromethane	20	22.9	ug/L	115			79	125	
	4-Methyl-2-Pentanone	100	120	ug/L	120			67	130	
	Toluene	20	23.5	ug/L	117			80	121	
	t-1,3-Dichloropropene	20	22.7	ug/L	114			73	127	
	cis-1,3-Dichloropropene	20	23.2	ug/L	116			75	124	
	1,1,2-Trichloroethane	20	24.0	ug/L	120		*	80	119	
	2-Hexanone	100	130	ug/L	130			57	139	
	Dibromochloromethane	20	23.1	ug/L	116			74	126	
	1,2-Dibromoethane	20	23.3	ug/L	117			77	121	
	Tetrachloroethene	20	21.9	ug/L	110			74	129	
	Chlorobenzene	20	21.3	ug/L	106			82	118	
	Ethyl Benzene	20	22.7	ug/L	114			79	121	
	m/p-Xylenes	40	46.0	ug/L	115			80	121	
	o-Xylene	20	23.3	ug/L	117			78	122	
	Styrene	20	23.9	ug/L	119			78	123	
	Bromoform	20	22.6	ug/L	113			66	130	
	Isopropylbenzene	20	22.7	ug/L	114			72	131	
	1,1,2,2-Tetrachloroethane	20	21.3	ug/L	106			71	121	
	1,3-Dichlorobenzene	20	19.8	ug/L	99			80	119	
	1,4-Dichlorobenzene	20	19.3	ug/L	97			79	118	
	1,2-Dichlorobenzene	20	20.1	ug/L	101			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4845

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low **Datafile :** VN085014.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1122WBS01	1,2-Dibromo-3-Chloropropane	20	21.2	ug/L	106			62	128	
	1,2,4-Trichlorobenzene	20	18.6	ug/L	93			69	130	
	1,2,3-Trichlorobenzene	20	19.7	ug/L	99			69	129	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4845

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low **Datafile :** VN085039.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1126WBS01	Dichlorodifluoromethane	20	16.5	ug/L	83			32	152	
	Chloromethane	20	17.2	ug/L	86			50	139	
	Vinyl chloride	20	17.1	ug/L	86			58	137	
	Bromomethane	20	17.7	ug/L	89			53	141	
	Chloroethane	20	16.9	ug/L	85			60	138	
	Trichlorofluoromethane	20	17.7	ug/L	89			65	141	
	1,1,2-Trichlorotrifluoroethane	20	18.0	ug/L	90			70	136	
	1,1-Dichloroethene	20	17.6	ug/L	88			71	131	
	Acetone	100	120	ug/L	120			39	160	
	Carbon disulfide	20	15.4	ug/L	77			64	133	
	Methyl tert-butyl Ether	20	21.0	ug/L	105			71	124	
	Methyl Acetate	20	23.2	ug/L	116			56	136	
	Methylene Chloride	20	19.3	ug/L	97			74	124	
	trans-1,2-Dichloroethene	20	18.2	ug/L	91			75	124	
	1,1-Dichloroethane	20	19.5	ug/L	98			77	125	
	Cyclohexane	20	16.2	ug/L	81			71	130	
	2-Butanone	100	110	ug/L	110			56	143	
	Carbon Tetrachloride	20	18.2	ug/L	91			72	136	
	cis-1,2-Dichloroethene	20	19.1	ug/L	96			78	123	
	Bromochloromethane	20	22.5	ug/L	113			78	123	
	Chloroform	20	19.2	ug/L	96			79	124	
	1,1,1-Trichloroethane	20	18.4	ug/L	92			74	131	
	Methylcyclohexane	20	16.9	ug/L	85			72	132	
	Benzene	20	19.0	ug/L	95			79	120	
	1,2-Dichloroethane	20	19.8	ug/L	99			73	128	
	Trichloroethene	20	17.7	ug/L	89			79	123	
	1,2-Dichloropropane	20	19.0	ug/L	95			78	122	
	Bromodichloromethane	20	19.1	ug/L	96			79	125	
	4-Methyl-2-Pentanone	100	120	ug/L	120			67	130	
	Toluene	20	19.3	ug/L	97			80	121	
	t-1,3-Dichloropropene	20	19.1	ug/L	96			73	127	
	cis-1,3-Dichloropropene	20	19.5	ug/L	98			75	124	
	1,1,2-Trichloroethane	20	21.1	ug/L	106			80	119	
	2-Hexanone	100	120	ug/L	120			57	139	
	Dibromochloromethane	20	20.1	ug/L	101			74	126	
	1,2-Dibromoethane	20	20.6	ug/L	103			77	121	
	Tetrachloroethene	20	17.2	ug/L	86			74	129	
	Chlorobenzene	20	17.8	ug/L	89			82	118	
	Ethyl Benzene	20	17.6	ug/L	88			79	121	
	m/p-Xylenes	40	36.1	ug/L	90			80	121	
	o-Xylene	20	18.9	ug/L	95			78	122	
	Styrene	20	19.1	ug/L	96			78	123	
	Bromoform	20	20.9	ug/L	104			66	130	
	Isopropylbenzene	20	17.4	ug/L	87			72	131	
	1,1,2,2-Tetrachloroethane	20	19.4	ug/L	97			71	121	
	1,3-Dichlorobenzene	20	16.5	ug/L	83			80	119	
	1,4-Dichlorobenzene	20	15.7	ug/L	79			79	118	
	1,2-Dichlorobenzene	20	16.9	ug/L	85			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4845

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low **Datafile :** VN085039.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1126WBS01	1,2-Dibromo-3-Chloropropane	20	18.6	ug/L	93			62	128	
	1,2,4-Trichlorobenzene	20	14.8	ug/L	74			69	130	
	1,2,3-Trichlorobenzene	20	15.8	ug/L	79			69	129	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1117WBL01

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG NO.: P4845

Lab File ID: VN084886.D Lab Sample ID: VN1117WBL01

Date Analyzed: 11/17/2024 Time Analyzed: 11:26

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1117WBS01	VN1117WBS01	VN084887.D	11/17/2024
FSND-RB-2-20241112	P4845-10	VN084890.D	11/17/2024
FSND-MW-27-20241112	P4845-01	VN084891.D	11/17/2024
FSND-MW-36-20241112	P4845-03	VN084893.D	11/17/2024
FSND-MW-22R-20241112	P4845-04	VN084894.D	11/17/2024
FSND-MW-33-20241112	P4845-11	VN084896.D	11/17/2024
FSND-MW-9-20241111	P4845-13	VN084898.D	11/17/2024
FSND-MW-5-20241111	P4845-14	VN084899.D	11/17/2024
FSND-MW-17-20241111	P4845-17	VN084902.D	11/17/2024
FSND-FD-2-20241111	P4845-18	VN084903.D	11/17/2024
FSND-GEP-2-20241111	P4845-19	VN084904.D	11/17/2024
FSND-MW-23-20241112	P4845-05	VN084906.D	11/17/2024
FSND-MW-23-20241112MS	P4845-06MS	VN084907.D	11/17/2024
FSND-MW-23-20241112MSD	P4845-07MSD	VN084908.D	11/17/2024

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1119WBL01

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG NO.: P4845

Lab File ID: VN084937.D Lab Sample ID: VN1119WBL01

Date Analyzed: 11/19/2024 Time Analyzed: 11:07

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1119WBS01	VN1119WBS01	VN084938.D	11/19/2024
FSND-MW-27-20241112DL	P4845-01DL	VN084942.D	11/19/2024
FSND-MW-22R-20241112DL	P4845-04DL	VN084943.D	11/19/2024
FSND-MW-33-20241112DL	P4845-11DL	VN084944.D	11/19/2024
FSND-GEP-2-20241111DL	P4845-19DL	VN084945.D	11/19/2024
FSND-RB-1-20241111	P4845-09	VN084946.D	11/19/2024
FSND-MW-B-3-20241112	P4845-02	VN084947.D	11/19/2024
FSND-MW-DUP-01-20241111	P4845-16	VN084950.D	11/19/2024
FSND-MW-14-20241111	P4845-20	VN084951.D	11/19/2024
FSND-MW-35-20241112	P4845-08	VN084953.D	11/19/2024
FSND-MW-12R-20241111	P4845-15	VN084954.D	11/19/2024

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1120WBL01

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG NO.: P4845

Lab File ID: VN084962.D Lab Sample ID: VN1120WBL01

Date Analyzed: 11/20/2024 Time Analyzed: 12:21

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1120WBS02	VN1120WBS02	VN084964.D	11/20/2024
FSND-MW-31-20241112	P4845-12	VN084969.D	11/20/2024

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1122WBL01

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG NO.: P4845

Lab File ID: VN085013.D Lab Sample ID: VN1122WBL01

Date Analyzed: 11/22/2024 Time Analyzed: 17:05

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1122WBS01	VN1122WBS01	VN085014.D	11/22/2024
FSND-MW-13-20241112	P4845-21	VN085016.D	11/22/2024
FSND-MW-18-20241112	P4845-23	VN085018.D	11/22/2024
FSND-MW-20-20241112	P4845-24	VN085019.D	11/22/2024

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1126WBL01

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG NO.: P4845

Lab File ID: VN085037.D Lab Sample ID: VN1126WBL01

Date Analyzed: 11/26/2024 Time Analyzed: 11:45

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1126WBS01	VN1126WBS01	VN085039.D	11/26/2024
FSND-MW-13-20241112DL	P4845-21DL	VN085040.D	11/26/2024
FSND-MW-11R-20241112	P4845-22	VN085041.D	11/26/2024

COMMENTS:

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG NO.: P4845

Lab File ID: VN084569.D BFB Injection Date: 10/30/2024

Instrument ID: MSVOA_N BFB Injection Time: 10:42

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.5
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	1.2 (1.6) 1
174	50.0 - 100.0% of mass 95	73.5
175	5.0 - 9.0% of mass 174	5.7 (7.7) 1
176	95.0 - 101.0% of mass 174	70.1 (95.4) 1
177	5.0 - 9.0% of mass 176	4.8 (6.9) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC100	VSTDICC100	VN084570.D	10/30/2024	11:46
VSTDICCC050	VSTDICCC050	VN084571.D	10/30/2024	12:09
VSTDICC020	VSTDICC020	VN084572.D	10/30/2024	12:33
VSTDICC010	VSTDICC010	VN084573.D	10/30/2024	12:57
VSTDICC005	VSTDICC005	VN084574.D	10/30/2024	13:21
VSTDICC001	VSTDICC001	VN084575.D	10/30/2024	13:45

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG NO.: P4845

Lab File ID: VN084883.D BFB Injection Date: 11/17/2024

Instrument ID: MSVOA_N BFB Injection Time: 10:03

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.4
75	30.0 - 60.0% of mass 95	50.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	76.1
175	5.0 - 9.0% of mass 174	6.1 (8) 1
176	95.0 - 101.0% of mass 174	74 (97.2) 1
177	5.0 - 9.0% of mass 176	4.5 (6.1) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN084884.D	11/17/2024	10:27
VN1117WBL01	VN1117WBL01	VN084886.D	11/17/2024	11:26
VN1117WBS01	VN1117WBS01	VN084887.D	11/17/2024	11:50
FSND-RB-2-20241112	P4845-10	VN084890.D	11/17/2024	13:12
FSND-MW-27-20241112	P4845-01	VN084891.D	11/17/2024	13:36
FSND-MW-36-20241112	P4845-03	VN084893.D	11/17/2024	14:24
FSND-MW-22R-20241112	P4845-04	VN084894.D	11/17/2024	14:48
FSND-MW-33-20241112	P4845-11	VN084896.D	11/17/2024	15:36
FSND-MW-9-20241111	P4845-13	VN084898.D	11/17/2024	16:24
FSND-MW-5-20241111	P4845-14	VN084899.D	11/17/2024	16:48
FSND-MW-17-20241111	P4845-17	VN084902.D	11/17/2024	18:01
FSND-FD-2-20241111	P4845-18	VN084903.D	11/17/2024	18:25
FSND-GEP-2-20241111	P4845-19	VN084904.D	11/17/2024	18:49
FSND-MW-23-20241112	P4845-05	VN084906.D	11/17/2024	19:37
FSND-MW-23-20241112MS	P4845-06MS	VN084907.D	11/17/2024	20:01
FSND-MW-23-20241112MSD	P4845-07MSD	VN084908.D	11/17/2024	20:25
VSTDCCC050EC	VSTDCCC050	VN084909.D	11/17/2024	20:49

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG NO.: P4845

Lab File ID: VN084934.D BFB Injection Date: 11/19/2024

Instrument ID: MSVOA_N BFB Injection Time: 08:15

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18
75	30.0 - 60.0% of mass 95	51.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	1 (1.4) 1
174	50.0 - 100.0% of mass 95	72.3
175	5.0 - 9.0% of mass 174	5.1 (7.1) 1
176	95.0 - 101.0% of mass 174	68.9 (95.3) 1
177	5.0 - 9.0% of mass 176	4.4 (6.4) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN084935.D	11/19/2024	09:27
VN1119WBL01	VN1119WBL01	VN084937.D	11/19/2024	11:07
VN1119WBS01	VN1119WBS01	VN084938.D	11/19/2024	11:40
FSND-MW-27-20241112DL	P4845-01DL	VN084942.D	11/19/2024	13:17
FSND-MW-22R-20241112DL	P4845-04DL	VN084943.D	11/19/2024	13:41
FSND-MW-33-20241112DL	P4845-11DL	VN084944.D	11/19/2024	14:05
FSND-GEP-2-20241111DL	P4845-19DL	VN084945.D	11/19/2024	14:29
FSND-RB-1-20241111	P4845-09	VN084946.D	11/19/2024	14:53
FSND-MW-B-3-20241112	P4845-02	VN084947.D	11/19/2024	15:15
FSND-MW-DUP-01-20241111	P4845-16	VN084950.D	11/19/2024	16:28
FSND-MW-14-20241111	P4845-20	VN084951.D	11/19/2024	16:52
FSND-MW-35-20241112	P4845-08	VN084953.D	11/19/2024	17:40
FSND-MW-12R-20241111	P4845-15	VN084954.D	11/19/2024	18:04
VSTDCCC050EC	VSTDCCC050	VN084958.D	11/19/2024	19:40

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG NO.: P4845

Lab File ID: VN084959.D BFB Injection Date: 11/20/2024

Instrument ID: MSVOA_N BFB Injection Time: 09:51

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.3
75	30.0 - 60.0% of mass 95	52.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	72.4
175	5.0 - 9.0% of mass 174	5.8 (8) 1
176	95.0 - 101.0% of mass 174	68.8 (95) 1
177	5.0 - 9.0% of mass 176	4.7 (6.9) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN084960.D	11/20/2024	11:18
VN1120WBL01	VN1120WBL01	VN084962.D	11/20/2024	12:21
VN1120WBS02	VN1120WBS02	VN084964.D	11/20/2024	13:20
FSND-MW-31-20241112	P4845-12	VN084969.D	11/20/2024	15:21
VSTDCCC050EC	VSTDCCC050	VN084985.D	11/20/2024	21:46

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG NO.: P4845

Lab File ID: VN085003.D BFB Injection Date: 11/22/2024

Instrument ID: MSVOA_N BFB Injection Time: 09:29

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.7
75	30.0 - 60.0% of mass 95	48.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	73.5
175	5.0 - 9.0% of mass 174	5.5 (7.5) 1
176	95.0 - 101.0% of mass 174	70.7 (96.2) 1
177	5.0 - 9.0% of mass 176	4.6 (6.6) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC100	VSTDICC100	VN085005.D	11/22/2024	11:22
VSTDICCC050	VSTDICCC050	VN085006.D	11/22/2024	11:46
VSTDICC020	VSTDICC020	VN085007.D	11/22/2024	12:10
VSTDICC010	VSTDICC010	VN085008.D	11/22/2024	12:34
VSTDICC005	VSTDICC005	VN085009.D	11/22/2024	12:57
VSTDICC001	VSTDICC001	VN085010.D	11/22/2024	13:45
VN1122WBL01	VN1122WBL01	VN085013.D	11/22/2024	17:05
VN1122WBS01	VN1122WBS01	VN085014.D	11/22/2024	18:05
FSND-MW-13-20241112	P4845-21	VN085016.D	11/22/2024	19:17
FSND-MW-18-20241112	P4845-23	VN085018.D	11/22/2024	20:05
FSND-MW-20-20241112	P4845-24	VN085019.D	11/22/2024	20:29
VSTDCCC050EC	VSTDCCC050	VN085020.D	11/22/2024	20:52

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG NO.: P4845

Lab File ID: VN085034.D BFB Injection Date: 11/26/2024

Instrument ID: MSVOA_N BFB Injection Time: 08:37

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.4
75	30.0 - 60.0% of mass 95	55.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	0.6 (0.9) 1
174	50.0 - 100.0% of mass 95	74.1
175	5.0 - 9.0% of mass 174	5.3 (7.2) 1
176	95.0 - 101.0% of mass 174	74.1 (100) 1
177	5.0 - 9.0% of mass 176	4.7 (6.4) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN085035.D	11/26/2024	10:47
VN1126WBL01	VN1126WBL01	VN085037.D	11/26/2024	11:45
VN1126WBS01	VN1126WBS01	VN085039.D	11/26/2024	13:44
FSND-MW-13-20241112DL	P4845-21DL	VN085040.D	11/26/2024	14:08
FSND-MW-11R-20241112	P4845-22	VN085041.D	11/26/2024	14:32
VSTDCCC050EC	VSTDCCC050	VN085050.D	11/26/2024	18:12

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG NO.: P4845

Lab File ID: VN084884.D Date Analyzed: 11/17/2024

Instrument ID: MSVOA_N Time Analyzed: 10:27

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	147052	8.22	233847	9.09	206028	11.87
UPPER LIMIT	294104	8.724	467694	9.594	412056	12.365
LOWER LIMIT	73526	7.724	116924	8.594	103014	11.365
EPA SAMPLE NO.						
FSND-MW-27-20241112	155365	8.22	269150	9.10	235219	11.87
FSND-MW-36-20241112	157015	8.22	268537	9.10	236576	11.87
FSND-MW-22R-20241112	158683	8.22	272472	9.10	243525	11.87
FSND-MW-23-20241112	154852	8.22	269354	9.10	237356	11.87
FSND-MW-23-20241112MS	140467	8.22	229039	9.09	204228	11.87
FSND-MW-23-20241112MSD	134585	8.22	222451	9.10	201565	11.87
FSND-RB-2-20241112	157110	8.22	271317	9.09	231114	11.87
FSND-MW-33-20241112	155970	8.22	265775	9.10	228712	11.87
FSND-MW-9-20241111	148908	8.22	256605	9.10	226841	11.87
FSND-MW-5-20241111	149841	8.22	257696	9.10	230033	11.87
FSND-MW-17-20241111	155704	8.22	266504	9.10	240107	11.87
FSND-FD-2-20241111	153393	8.22	262761	9.10	229735	11.87
FSND-GEP-2-20241111	153449	8.22	261859	9.10	237602	11.87
VN1117WBL01	155503	8.22	272839	9.10	236144	11.87
VN1117WBS01	152221	8.22	245406	9.10	237456	11.87

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG NO.: P4845

Lab File ID: VN084884.D Date Analyzed: 11/17/2024

Instrument ID: MSVOA_N Time Analyzed: 10:27

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	110342	13.788				
UPPER LIMIT	220684	14.288				
LOWER LIMIT	55171	13.288				
EPA SAMPLE NO.						
FSND-MW-27-20241112	105367	13.79				
FSND-MW-36-20241112	104156	13.79				
FSND-MW-22R-20241112	111105	13.79				
FSND-MW-23-20241112	103680	13.79				
FSND-MW-23-20241112MS	108316	13.79				
FSND-MW-23-20241112MSD	105985	13.79				
FSND-RB-2-20241112	110441	13.79				
FSND-MW-33-20241112	100197	13.79				
FSND-MW-9-20241111	103436	13.79				
FSND-MW-5-20241111	103410	13.79				
FSND-MW-17-20241111	106422	13.79				
FSND-FD-2-20241111	101267	13.79				
FSND-GEP-2-20241111	110127	13.79				
VN1117WBL01	104526	13.79				
VN1117WBS01	124353	13.79				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG NO.: P4845

Lab File ID: VN084935.D Date Analyzed: 11/19/2024

Instrument ID: MSVOA_N Time Analyzed: 09:27

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	191121	8.22	319795	9.09	272380	11.87
UPPER LIMIT	382242	8.718	639590	9.594	544760	12.365
LOWER LIMIT	95560.5	7.718	159898	8.594	136190	11.365
EPA SAMPLE NO.						
FSND-MW-27-20241112DL	185577	8.22	330960	9.10	292031	11.87
FSND-MW-B-3-20241112	170477	8.22	309568	9.10	273801	11.87
FSND-MW-22R-20241112DL	185321	8.22	330213	9.10	288531	11.87
FSND-MW-35-20241112	192374	8.22	350960	9.10	295369	11.87
FSND-RB-1-20241111	171112	8.22	316282	9.10	277762	11.87
FSND-MW-33-20241112DL	177869	8.22	318918	9.10	284593	11.87
FSND-MW-12R-20241111	174408	8.22	322609	9.10	282377	11.87
FSND-MW-DUP-01-20241111	168035	8.22	314106	9.10	277613	11.87
FSND-GEP-2-20241111DL	178600	8.22	324130	9.10	285884	11.87
FSND-MW-14-20241111	164761	8.22	302975	9.10	266331	11.87
VN1119WBL01	193589	8.22	346862	9.10	301411	11.87
VN1119WBS01	167364	8.22	286809	9.10	252679	11.87

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG NO.: P4845

Lab File ID: VN084935.D Date Analyzed: 11/19/2024

Instrument ID: MSVOA_N Time Analyzed: 09:27

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	140060	13.788				
UPPER LIMIT	280120	14.288				
LOWER LIMIT	70030	13.288				
EPA SAMPLE NO.						
FSND-MW-27-20241112DL	131420	13.79				
FSND-MW-B-3-20241112	120403	13.79				
FSND-MW-22R-20241112DL	124157	13.79				
FSND-MW-35-20241112	134441	13.79				
FSND-RB-1-20241111	123702	13.79				
FSND-MW-33-20241112DL	120391	13.79				
FSND-MW-12R-20241111	125106	13.79				
FSND-MW-DUP-01-20241111	124948	13.79				
FSND-GEP-2-20241111DL	123358	13.79				
FSND-MW-14-20241111	111142	13.79				
VN1119WBL01	128229	13.79				
VN1119WBS01	131165	13.79				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG NO.: P4845

Lab File ID: VN084960.D Date Analyzed: 11/20/2024

Instrument ID: MSVOA_N Time Analyzed: 11:18

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	164992	8.22	271316	9.10	240365	11.87
UPPER LIMIT	329984	8.724	542632	9.6	480730	12.365
LOWER LIMIT	82496	7.724	135658	8.6	120183	11.365
EPA SAMPLE NO.						
FSND-MW-31-20241112	167675	8.22	301208	9.10	267303	11.87
VN1120WBL01	178908	8.22	319489	9.10	277659	11.87
VN1120WBS02	150630	8.22	253557	9.10	229692	11.87

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG NO.: P4845

Lab File ID: VN084960.D Date Analyzed: 11/20/2024

Instrument ID: MSVOA_N Time Analyzed: 11:18

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	122785	13.788				
UPPER LIMIT	245570	14.288				
LOWER LIMIT	61392.5	13.288				
EPA SAMPLE NO.						
FSND-MW-31-20241112	118493	13.79				
VN1120WBL01	123641	13.79				
VN1120WBS02	114872	13.79				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG NO.: P4845

Lab File ID: VN085006.D Date Analyzed: 11/22/2024

Instrument ID: MSVOA_N Time Analyzed: 11:46

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	163353	8.22	271467	9.09	232158	11.86
UPPER LIMIT	326706	8.718	542934	9.594	464316	12.359
LOWER LIMIT	81676.5	7.718	135734	8.594	116079	11.359
EPA SAMPLE NO.						
FSND-MW-13-20241112	152210	8.22	264627	9.09	222942	11.87
FSND-MW-18-20241112	169757	8.22	301590	9.09	265028	11.87
FSND-MW-20-20241112	172730	8.22	301491	9.10	267127	11.87
VN1122WBL01	171853	8.22	308794	9.09	267922	11.87
VN1122WBS01	185321	8.22	303227	9.10	265687	11.87

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG NO.: P4845

Lab File ID: VN085006.D Date Analyzed: 11/22/2024

Instrument ID: MSVOA_N Time Analyzed: 11:46

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	114469	13.788				
UPPER LIMIT	228938	14.288				
LOWER LIMIT	57234.5	13.288				
EPA SAMPLE NO.						
FSND-MW-13-20241112	99476	13.79				
FSND-MW-18-20241112	117323	13.79				
FSND-MW-20-20241112	119597	13.79				
VN1122WBL01	119226	13.79				
VN1122WBS01	132118	13.79				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG NO.: P4845

Lab File ID: VN085035.D Date Analyzed: 11/26/2024

Instrument ID: MSVOA_N Time Analyzed: 10:47

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	165251	8.22	275028	9.10	241627	11.87
UPPER LIMIT	330502	8.718	550056	9.6	483254	12.365
LOWER LIMIT	82625.5	7.718	137514	8.6	120814	11.365
EPA SAMPLE NO.						
FSND-MW-13-20241112DL	147741	8.22	257738	9.10	225864	11.87
FSND-MW-13-20241112DL	147741	8.22	257738	9.10	225864	11.87
FSND-MW-11R-20241112	157662	8.22	275299	9.10	237019	11.87
FSND-MW-11R-20241112	157662	8.22	275299	9.10	237019	11.87
VN1126WBL01	167817	8.22	295581	9.10	246384	11.87
VN1126WBL01	167817	8.22	295581	9.10	246384	11.87
VN1126WBS01	142767	8.22	244329	9.10	216462	11.87
VN1126WBS01	142767	8.22	244329	9.10	216462	11.87

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG NO.: P4845

Lab File ID: VN085035.D Date Analyzed: 11/26/2024

Instrument ID: MSVOA_N Time Analyzed: 10:47

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	122188	13.788				
UPPER LIMIT	244376	14.288				
LOWER LIMIT	61094	13.288				
EPA SAMPLE NO.						
FSND-MW-13-20241112DL	94692	13.79				
FSND-MW-13-20241112DL	94692	13.79				
FSND-MW-11R-20241112	100055	13.79				
FSND-MW-11R-20241112	100055	13.79				
VN1126WBL01	103859	13.79				
VN1126WBL01	103859	13.79				
VN1126WBS01	108208	13.79				
VN1126WBS01	108208	13.79				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

SAMPLE DATA

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-27-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084891.D	1		11/17/24 13:36	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	12.9		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	130	E	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-27-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084891.D	1		11/17/24 13:36	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.6		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	46.1		89 - 112		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.0		85 - 114		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	155000	8.224				
540-36-3	1,4-Difluorobenzene	269000	9.1				
3114-55-4	Chlorobenzene-d5	235000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	105000	13.788				

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-27-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084891.D	1		11/17/24 13:36	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084891.D
Acq On : 17 Nov 2024 13:36
Operator : JC\MD
Sample : P4845-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112

Quant Time: Nov 18 00:19:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

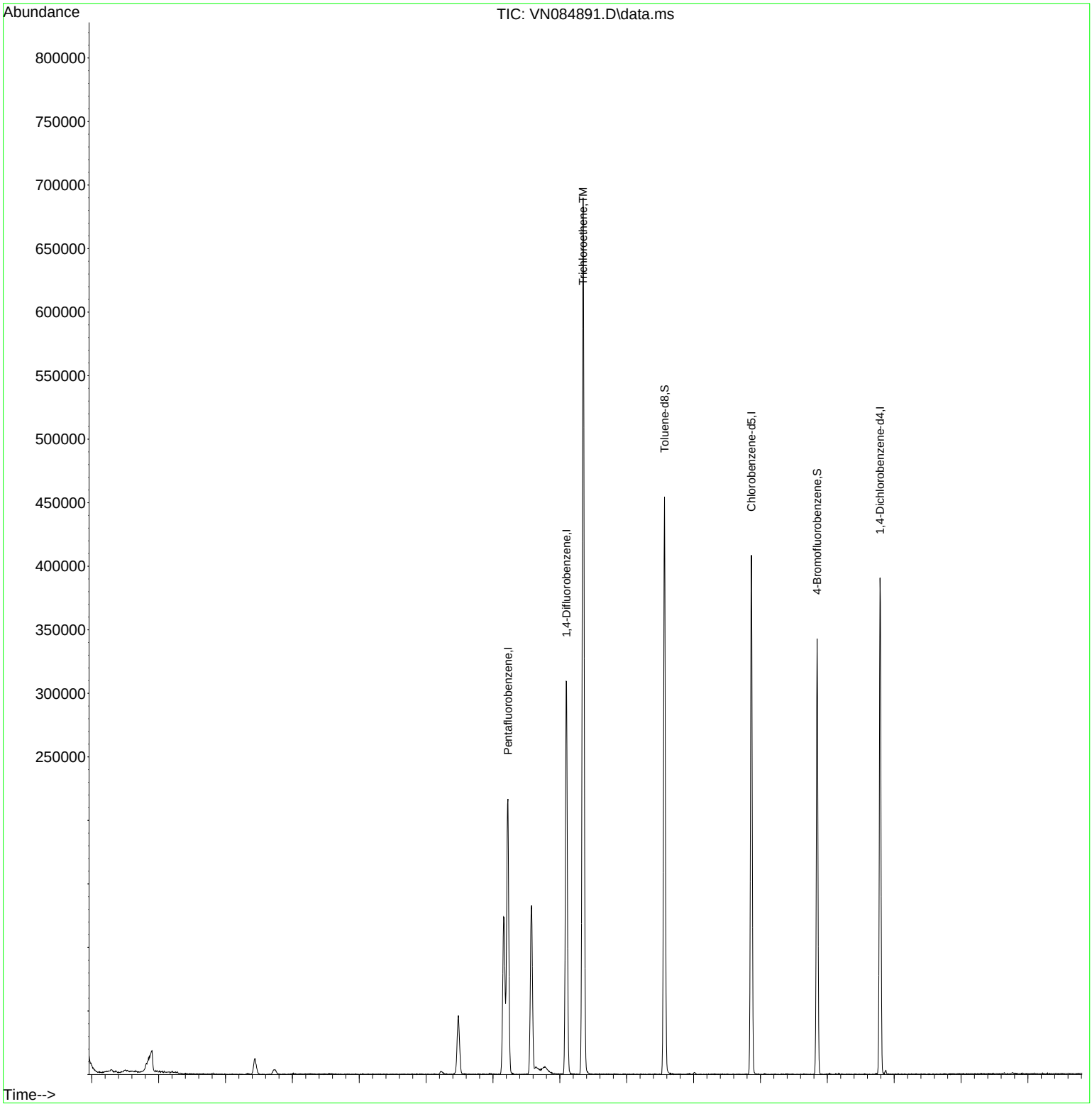
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	155365	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	269150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	235219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	105367	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	113500	50.579	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.160%			
35) Dibromofluoromethane	8.159	113	91208	50.064	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.120%			
50) Toluene-d8	10.565	98	309204	46.074	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.140%			
62) 4-Bromofluorobenzene	12.847	95	117844	46.985	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.960%			
Target Compounds						Qvalue
27) cis-1,2-Dichloroethene	7.483	96	27447	12.939	ug/l	88
44) Trichloroethene	9.347	130	246388	131.664	ug/l	96

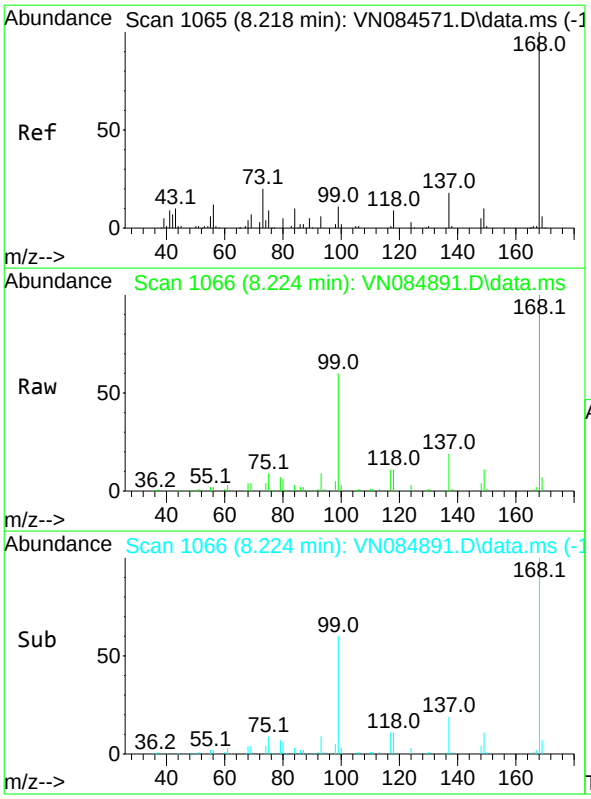
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084891.D
Acq On : 17 Nov 2024 13:36
Operator : JC\MD
Sample : P4845-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112

Quant Time: Nov 18 00:19:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



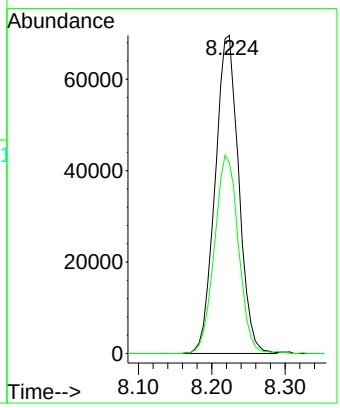


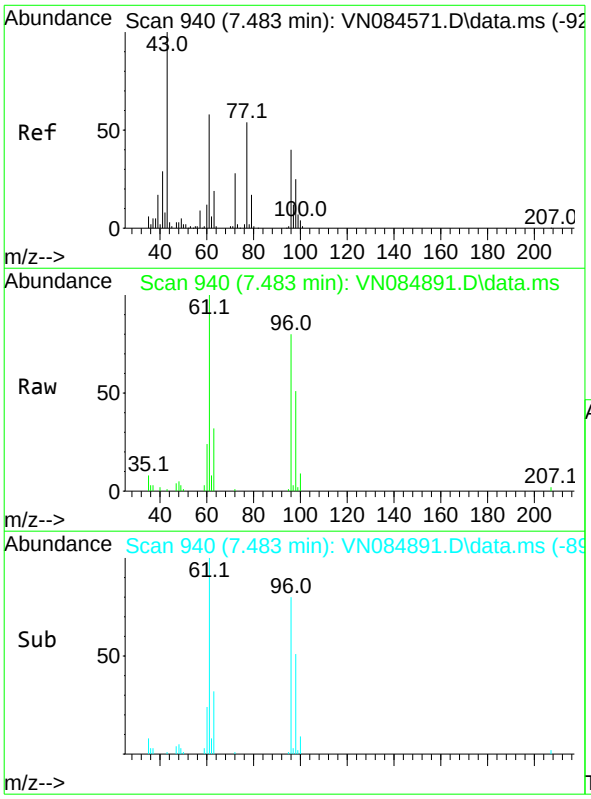
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084891.D
Acq: 17 Nov 2024 13:36

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112

Tgt Ion:168 Resp: 155365

Ion	Ratio	Lower	Upper
168	100		
99	59.9	54.2	81.2

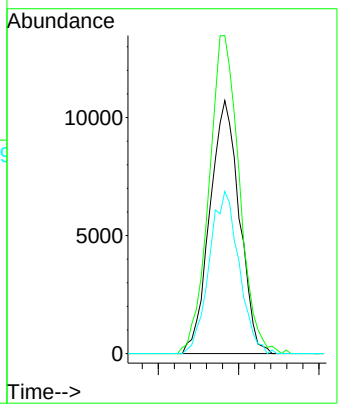


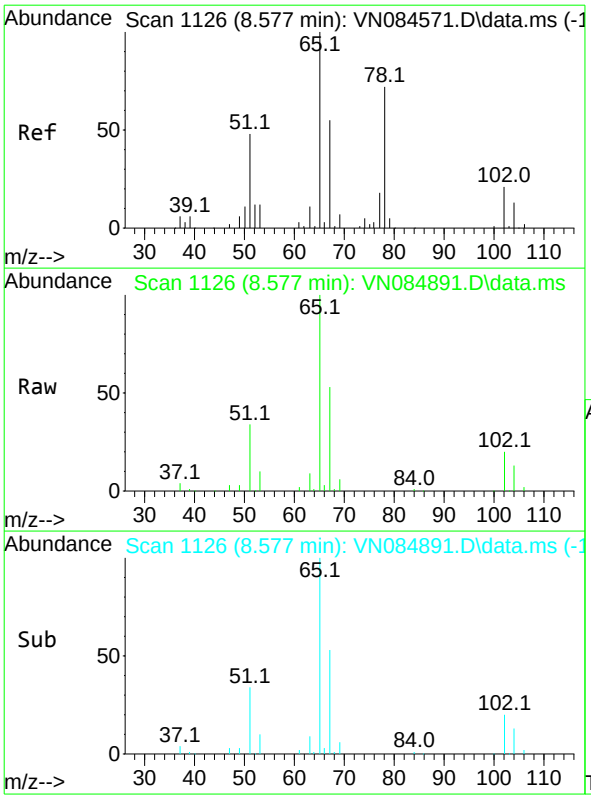


#27
cis-1,2-Dichloroethene
Concen: 12.939 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084891.D
Acq: 17 Nov 2024 13:36

Tgt Ion: 96 Resp: 27447

Ion	Ratio	Lower	Upper
96	100		
61	129.1	0.0	301.8
98	64.5	0.0	128.2



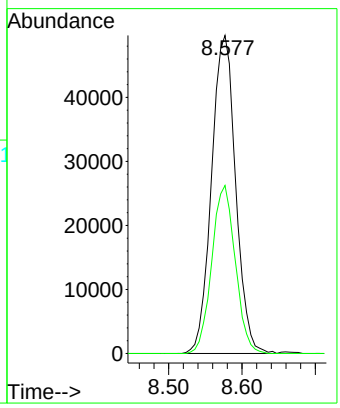


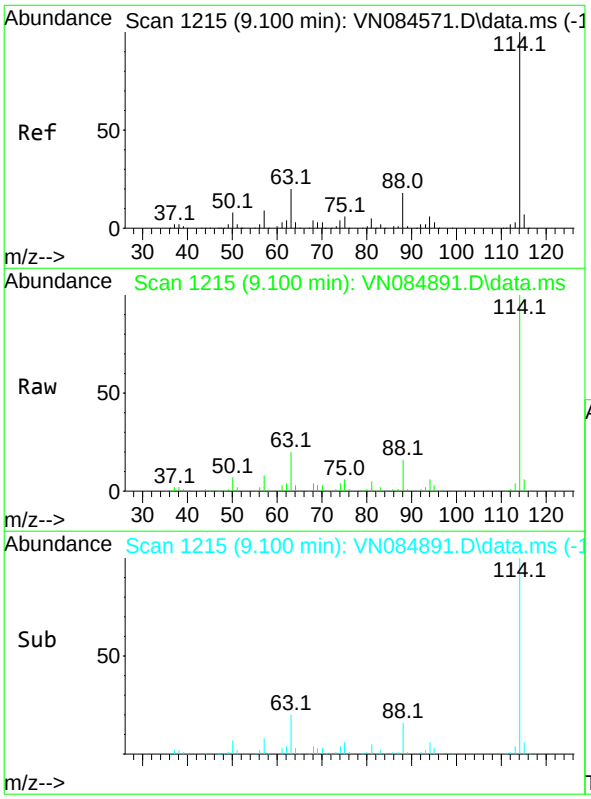
#33
1,2-Dichloroethane-d4
Concen: 50.579 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084891.D
Acq: 17 Nov 2024 13:36

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112

Tgt Ion: 65 Resp: 113500

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	102.0

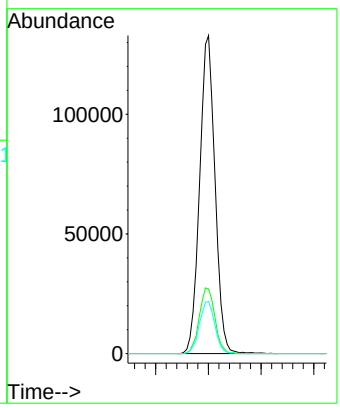


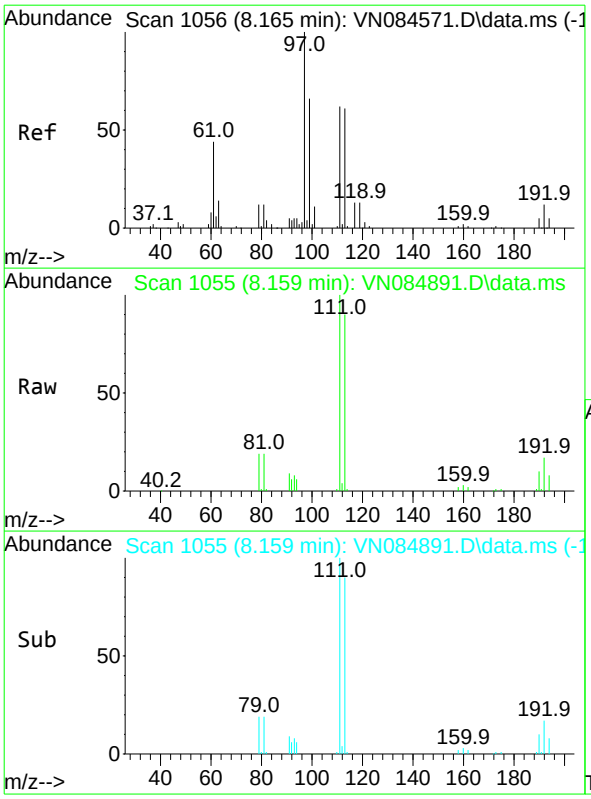


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084891.D
Acq: 17 Nov 2024 13:36

Tgt Ion:114 Resp: 269150

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	43.8
88	16.4	0.0	31.6



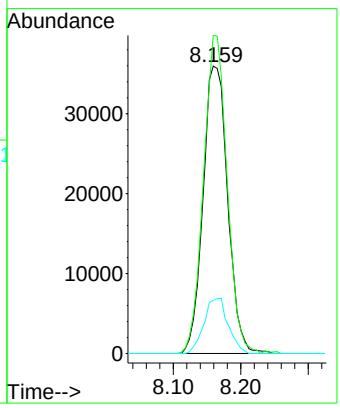


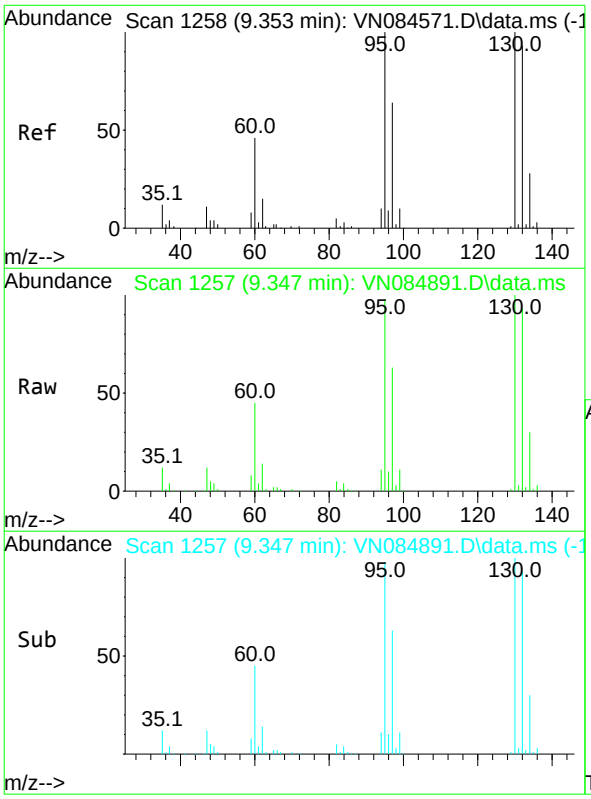
#35
Dibromofluoromethane
Concen: 50.064 ug/l
RT: 8.159 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084891.D
Acq: 17 Nov 2024 13:36

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112

Tgt Ion:113 Resp: 91208

Ion	Ratio	Lower	Upper
113	100		
111	106.0	83.3	124.9
192	18.8	13.5	20.3

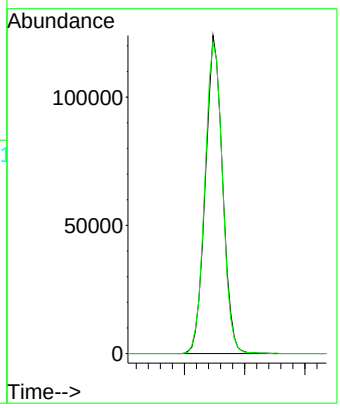


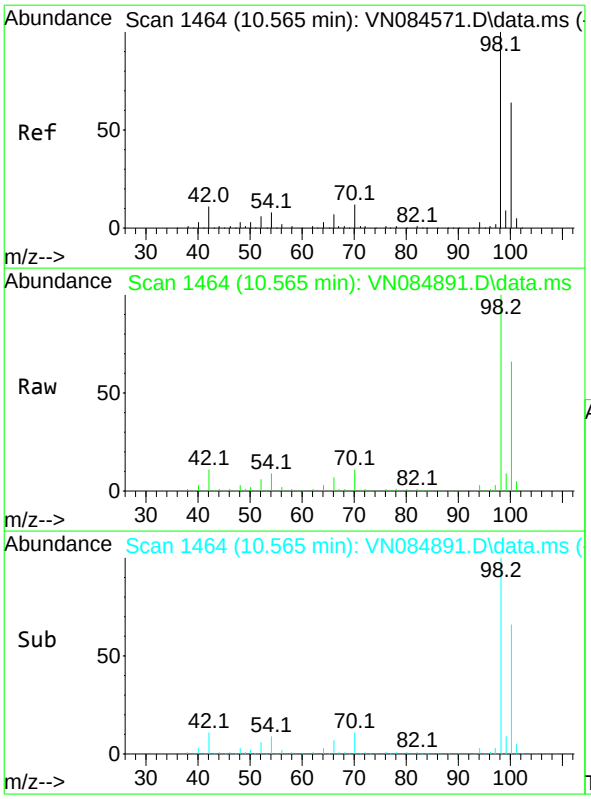


#44
Trichloroethene
Concen: 131.664 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084891.D
Acq: 17 Nov 2024 13:36

Tgt Ion:130 Resp: 246388

Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	203.0



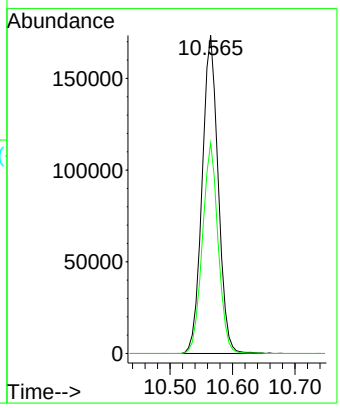


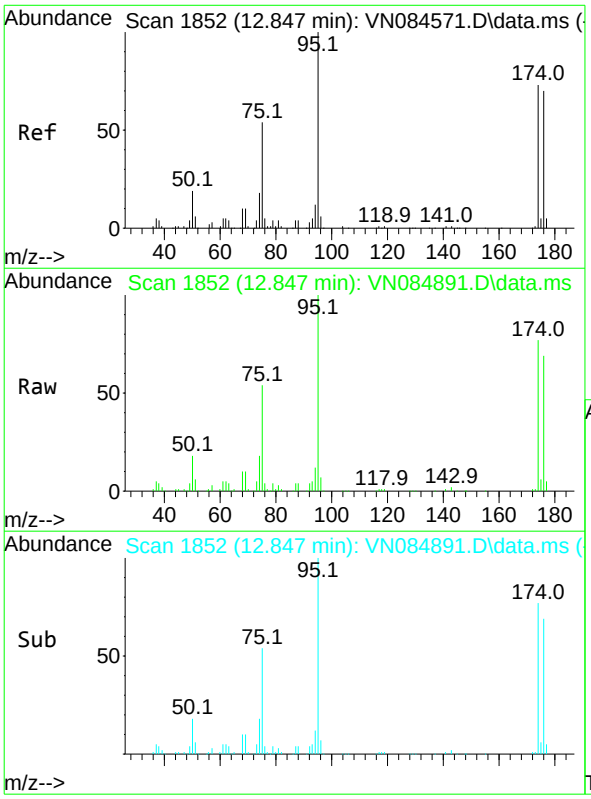
#50
Toluene-d8
Concen: 46.074 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084891.D
Acq: 17 Nov 2024 13:36

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112

Tgt Ion: 98 Resp: 309204

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.7	79.1

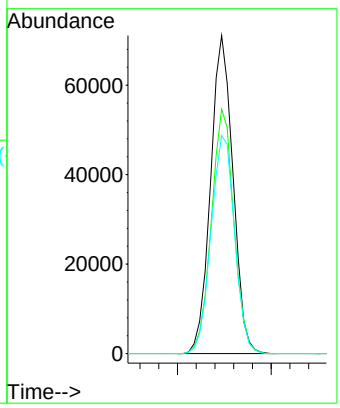


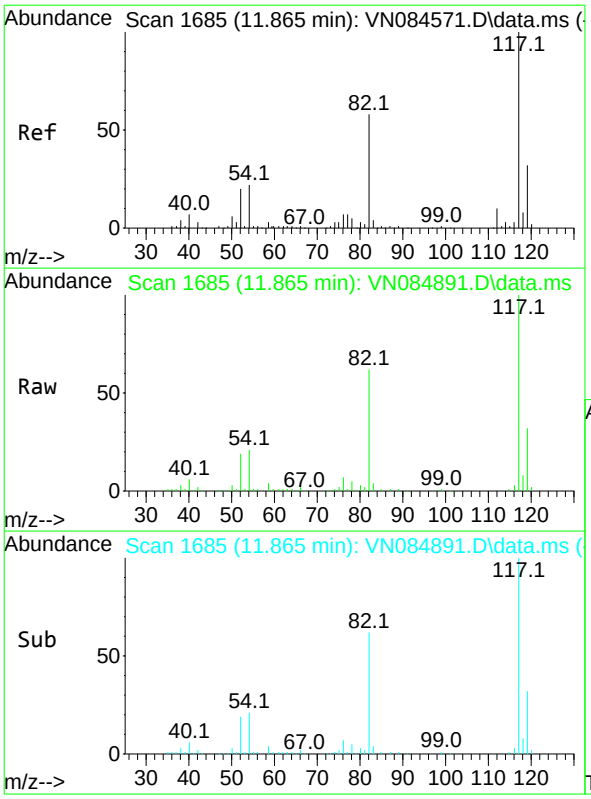


#62
4-Bromofluorobenzene
Concen: 46.985 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084891.D
Acq: 17 Nov 2024 13:36

Tgt Ion: 95 Resp: 117844

Ion	Ratio	Lower	Upper
95	100		
174	77.5	0.0	145.2
176	72.1	0.0	140.0



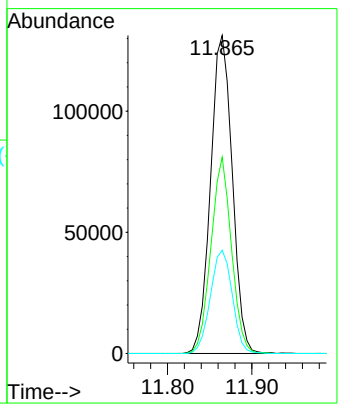


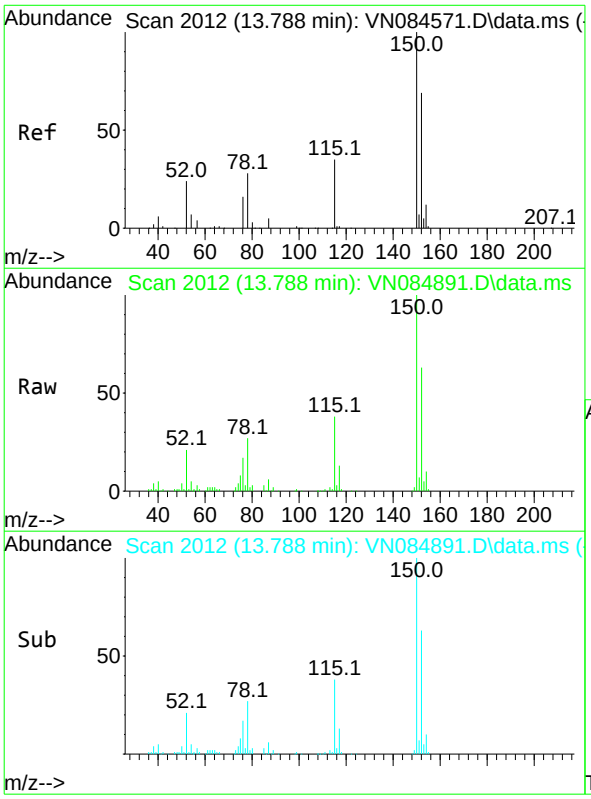
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084891.D
Acq: 17 Nov 2024 13:36

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112

Tgt Ion:117 Resp: 235219

Ion	Ratio	Lower	Upper
117	100		
82	61.7	47.2	70.8
119	32.5	25.4	38.0

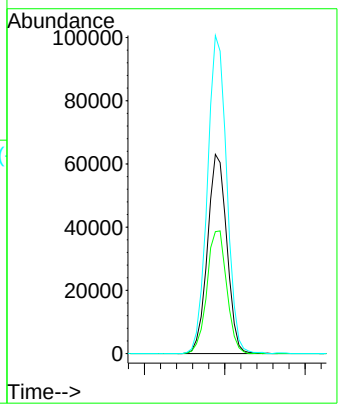




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084891.D
Acq: 17 Nov 2024 13:36

Tgt Ion:152 Resp: 105367

Ion	Ratio	Lower	Upper
152	100		
115	63.0	31.3	93.9
150	159.5	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084891.D
Acq On : 17 Nov 2024 13:36
Operator : JC\MD
Sample : P4845-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084891.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.442	412	423	436	rBB2	12598	37539	2.71%	0.625%
2	7.483	930	940	949	rBV	45893	114572	8.28%	1.908%
3	8.159	1045	1055	1060	rBV2	124111	303339	21.92%	5.050%
4	8.224	1060	1066	1078	rVB	216466	482636	34.87%	8.036%
5	8.577	1117	1126	1133	rBV	132642	301614	21.79%	5.022%
6	9.094	1206	1214	1225	rBV	309068	630408	45.55%	10.496%
7	9.347	1248	1257	1273	rBV	689821	1383974	100.00%	23.042%
8	10.565	1456	1464	1477	rBV	454603	813581	58.79%	13.546%
9	11.865	1677	1685	1698	rBV	408608	723192	52.25%	12.041%
10	12.847	1845	1852	1861	rBV	342907	563378	40.71%	9.380%
11	13.788	2005	2012	2023	rBV	390741	652005	47.11%	10.855%

Sum of corrected areas: 6006238

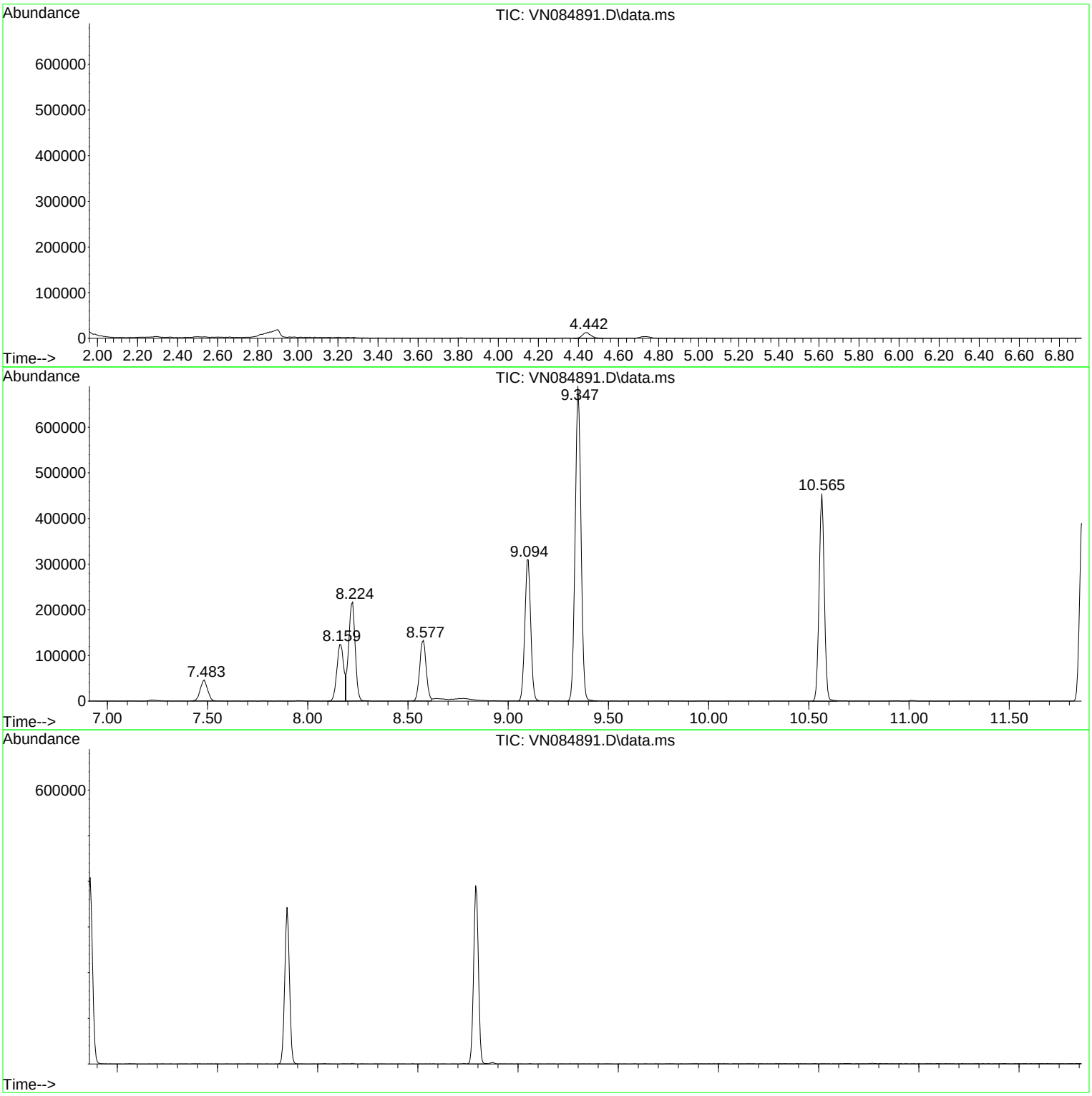
Sample Results: **VN084891.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084891.D
Acq On : 17 Nov 2024 13:36
Operator : JC\MD
Sample : P4845-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084891.D
Acq On : 17 Nov 2024 13:36
Operator : JC\MD
Sample : P4845-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084891.D
Acq On : 17 Nov 2024 13:36
Operator : JC\MD
Sample : P4845-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-27-20241112DL	SDG No.:	P4845
Lab Sample ID:	P4845-01DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084942.D	5		11/19/24 13:17	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.50	UD	1.10	2.50	5.00	ug/L
74-87-3	Chloromethane	2.50	UD	1.80	2.50	5.00	ug/L
75-01-4	Vinyl Chloride	3.80	UD	1.70	3.80	5.00	ug/L
74-83-9	Bromomethane	18.8	UD	6.80	18.8	25.0	ug/L
75-00-3	Chloroethane	3.80	UD	2.80	3.80	5.00	ug/L
75-69-4	Trichlorofluoromethane	2.50	UD	1.70	2.50	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	UD	1.30	2.50	5.00	ug/L
75-35-4	1,1-Dichloroethene	3.80	UD	1.30	3.80	5.00	ug/L
67-64-1	Acetone	67.0	D	7.00	18.8	25.0	ug/L
75-15-0	Carbon Disulfide	3.80	UD	1.60	3.80	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	2.50	UD	0.80	2.50	5.00	ug/L
79-20-9	Methyl Acetate	3.80	UD	3.00	3.80	5.00	ug/L
75-09-2	Methylene Chloride	2.50	UD	1.60	2.50	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	2.50	UD	1.30	2.50	5.00	ug/L
75-34-3	1,1-Dichloroethane	2.50	UD	1.20	2.50	5.00	ug/L
110-82-7	Cyclohexane	12.5	UD	8.10	12.5	25.0	ug/L
78-93-3	2-Butanone	12.5	UD	6.50	12.5	25.0	ug/L
56-23-5	Carbon Tetrachloride	2.50	UD	1.30	2.50	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	14.2	D	1.30	3.80	5.00	ug/L
74-97-5	Bromochloromethane	2.50	UD	0.90	2.50	5.00	ug/L
67-66-3	Chloroform	2.50	UD	1.30	2.50	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	2.50	UD	0.95	2.50	5.00	ug/L
108-87-2	Methylcyclohexane	2.50	UD	0.95	2.50	5.00	ug/L
71-43-2	Benzene	2.50	UD	0.80	2.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	2.50	UD	1.20	2.50	5.00	ug/L
79-01-6	Trichloroethene	120	D	1.60	3.80	5.00	ug/L
78-87-5	1,2-Dichloropropane	2.50	UD	0.95	2.50	5.00	ug/L
75-27-4	Bromodichloromethane	2.50	UD	1.20	2.50	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	12.5	UD	3.80	12.5	25.0	ug/L
108-88-3	Toluene	2.50	UD	0.90	2.50	5.00	ug/L

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-27-20241112DL	SDG No.:	P4845
Lab Sample ID:	P4845-01DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084942.D	5		11/19/24 13:17	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	2.50	UD	1.10	2.50	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	2.50	UD	0.90	2.50	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	2.50	UD	1.10	2.50	5.00	ug/L
591-78-6	2-Hexanone	12.5	UD	5.70	12.5	25.0	ug/L
124-48-1	Dibromochloromethane	2.50	UD	0.90	2.50	5.00	ug/L
106-93-4	1,2-Dibromoethane	2.50	UD	0.80	2.50	5.00	ug/L
127-18-4	Tetrachloroethene	2.50	UD	1.30	2.50	5.00	ug/L
108-90-7	Chlorobenzene	2.50	UD	0.65	2.50	5.00	ug/L
100-41-4	Ethyl Benzene	2.50	UD	0.80	2.50	5.00	ug/L
179601-23-1	m/p-Xylenes	5.00	UD	1.60	5.00	10.0	ug/L
95-47-6	o-Xylene	2.50	UD	0.70	2.50	5.00	ug/L
100-42-5	Styrene	2.50	UD	0.80	2.50	5.00	ug/L
75-25-2	Bromoform	2.50	UD	1.10	2.50	5.00	ug/L
98-82-8	Isopropylbenzene	2.50	UD	0.65	2.50	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.50	UD	1.40	2.50	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	2.50	UD	1.20	2.50	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	2.50	UD	1.40	2.50	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	2.50	UD	0.95	2.50	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	3.80	UD	2.30	3.80	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	2.50	UD	2.10	2.50	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	3.80	UD	2.60	3.80	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.6		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	46.9		89 - 112		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	186000	8.218				
540-36-3	1,4-Difluorobenzene	331000	9.1				
3114-55-4	Chlorobenzene-d5	292000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	131000	13.788				

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Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-27-20241112DL	SDG No.:	P4845
Lab Sample ID:	P4845-01DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084942.D	5		11/19/24 13:17	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084942.D
Acq On : 19 Nov 2024 13:17
Operator : JC\MD
Sample : P4845-01DL 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 20 00:27:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

Manual Integrations APPROVED

Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	185577	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	330960	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	292031	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131420	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	138266	51.585	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.160%			
35) Dibromofluoromethane	8.165	113	109812	49.019	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.040%			
50) Toluene-d8	10.565	98	387109	46.910	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.820%			
62) 4-Bromofluorobenzene	12.847	95	149295	48.408	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.820%			
Target Compounds						Qvalue
16) Acetone	4.436	43	12463	13.397	ug/l #	85
27) cis-1,2-Dichloroethene	7.488	96	7197m	2.840	ug/l	
44) Trichloroethene	9.347	130	57433	24.959	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

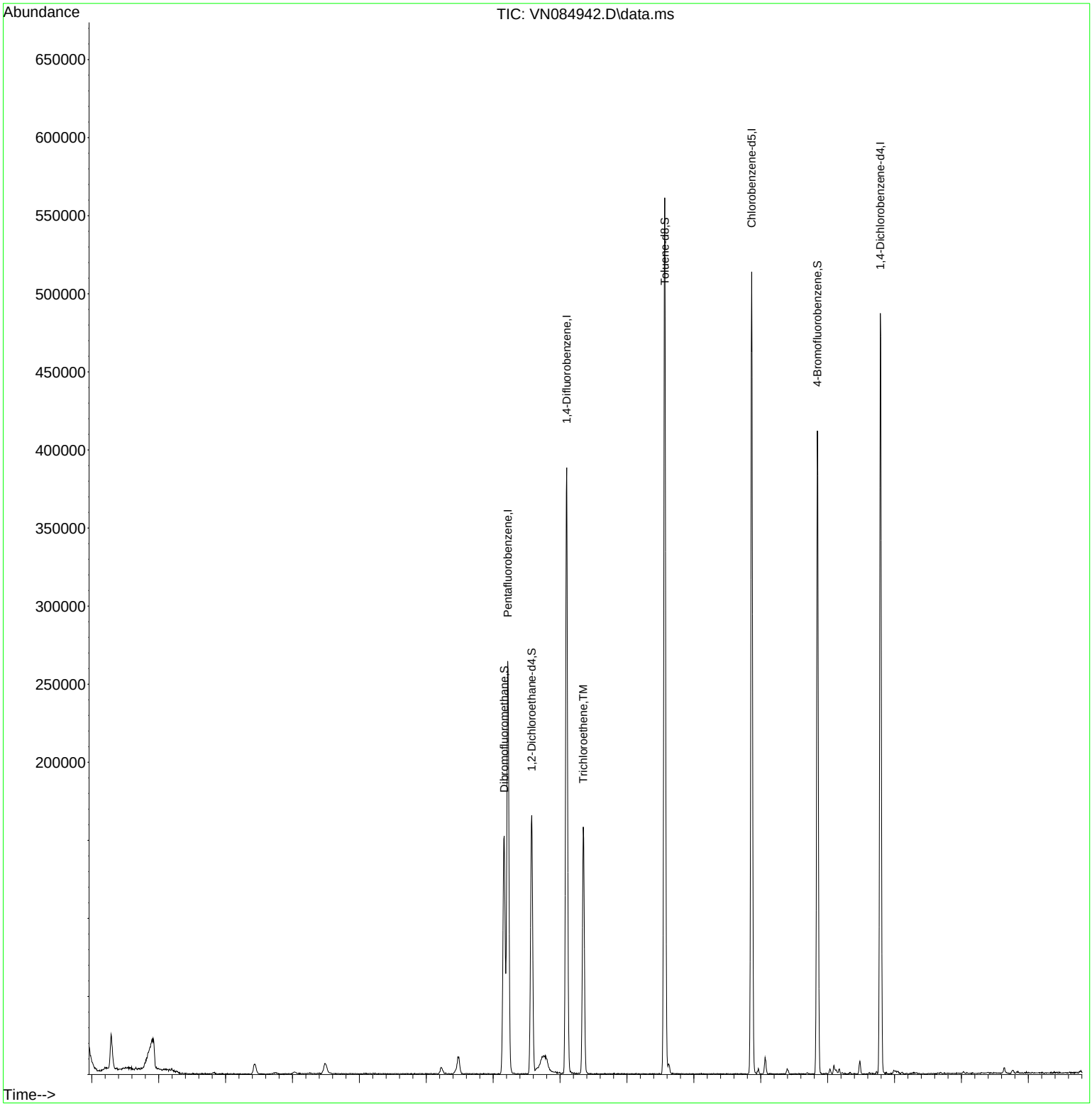
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084942.D
Acq On : 19 Nov 2024 13:17
Operator : JC\MD
Sample : P4845-01DL 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

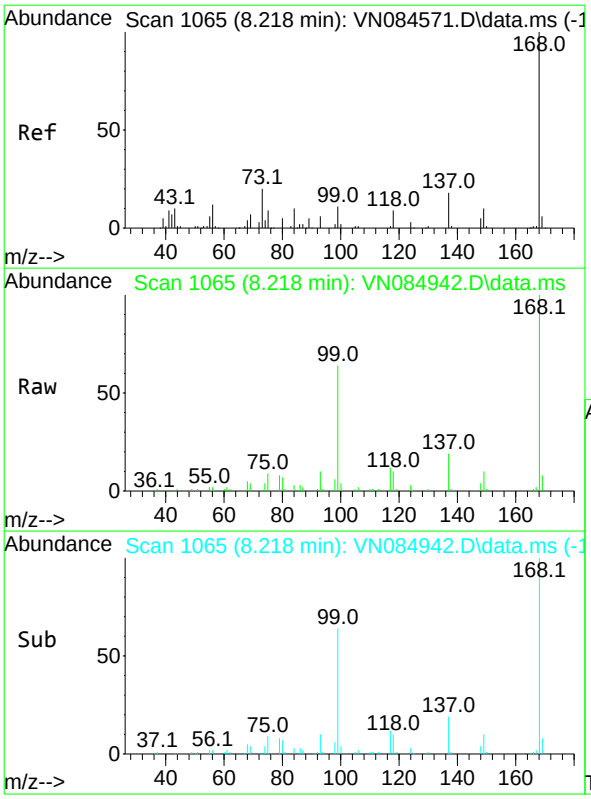
Quant Time: Nov 20 00:27:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

Manual Integrations APPROVED

Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

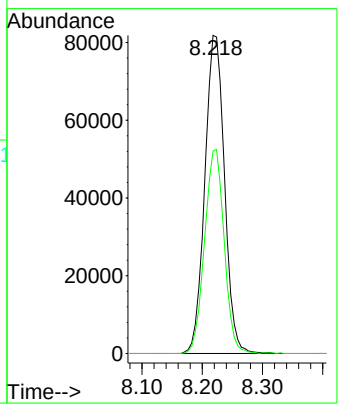




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion:168 Resp: 185577

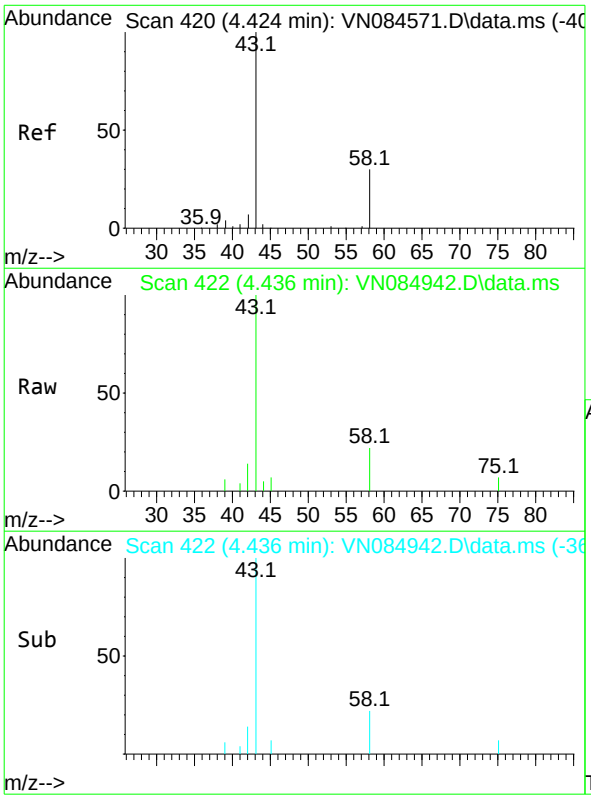
Ion	Ratio	Lower	Upper
168	100		
99	63.7	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

Manual Integrations
APPROVED

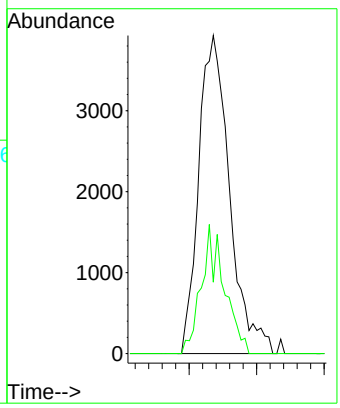
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

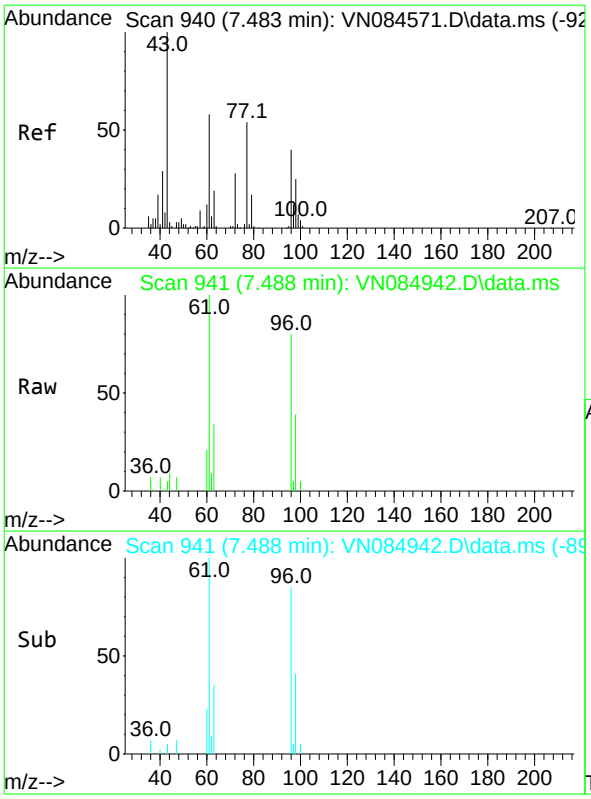


#16
Acetone
Concen: 13.397 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion: 43 Resp: 12463

Ion	Ratio	Lower	Upper
43	100		
58	22.4	24.4	36.6#

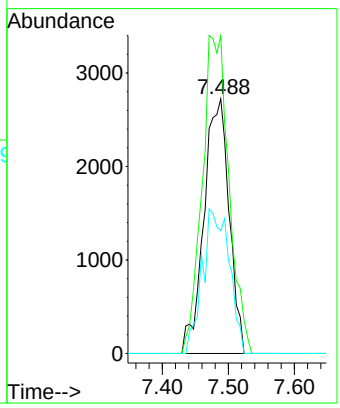




#27
cis-1,2-Dichloroethene
Concen: 2.840 ug/l m
RT: 7.488 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion: 96 Resp: 7197

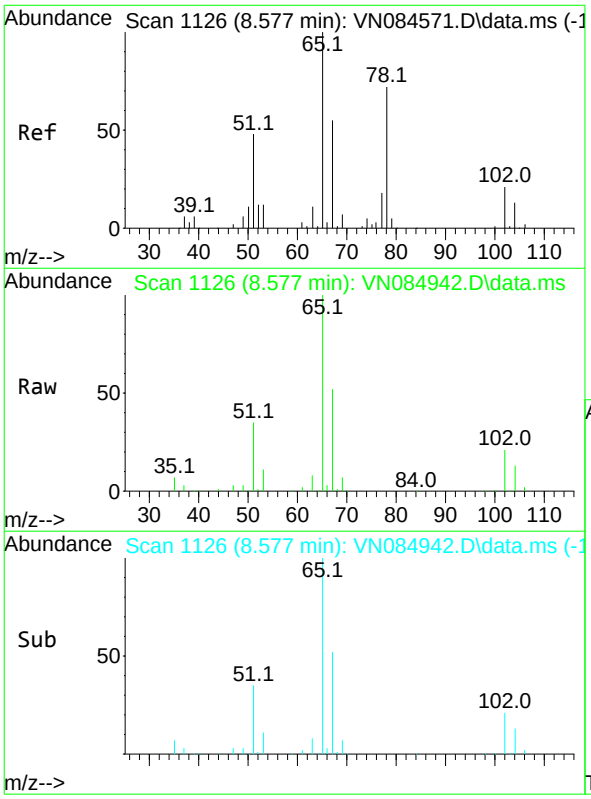
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	301.8
98	0.0	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

Manual Integrations
APPROVED

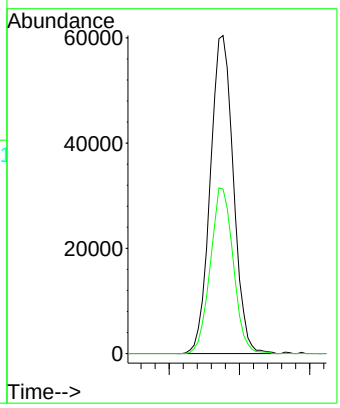
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

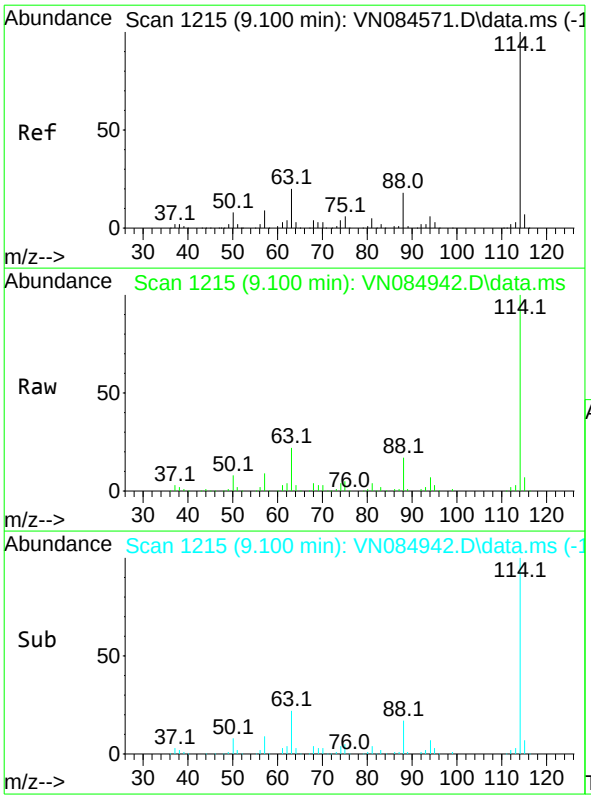


#33
1,2-Dichloroethane-d4
Concen: 51.585 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion: 65 Resp: 138266

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	102.0

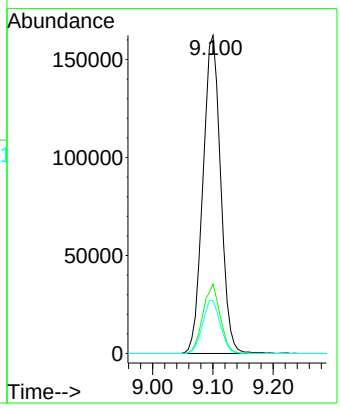




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion:114 Resp: 330960

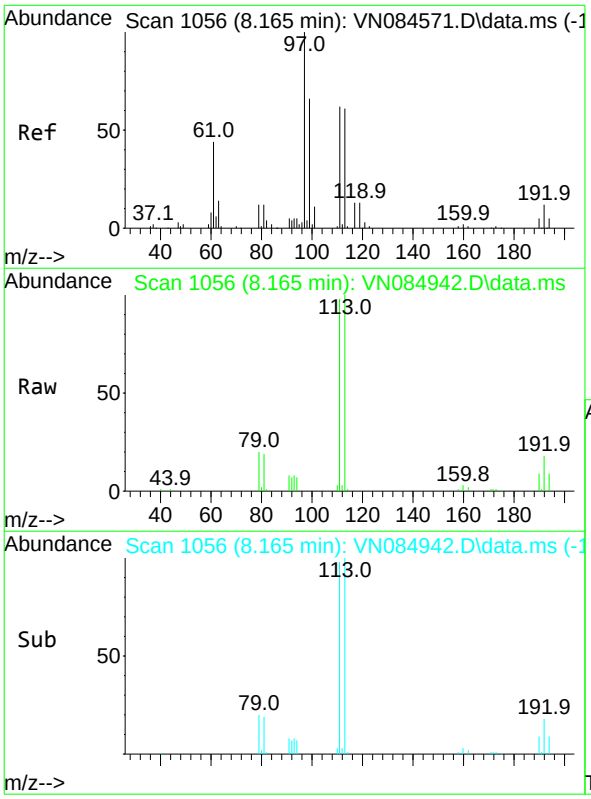
Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	43.8
88	16.6	0.0	31.6



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

Manual Integrations APPROVED

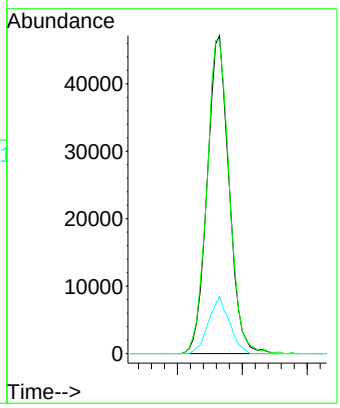
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

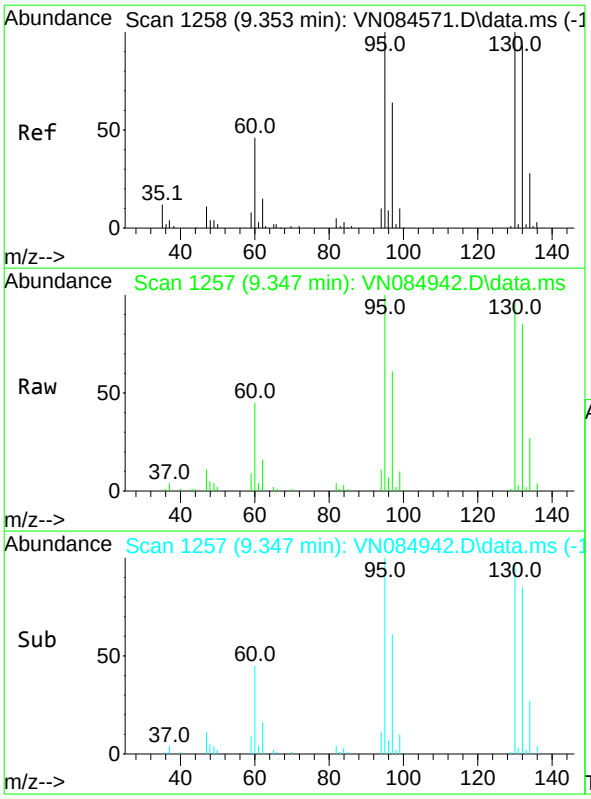


#35
Dibromofluoromethane
Concen: 49.019 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion:113 Resp: 109812

Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.3	124.9
192	17.1	13.5	20.3

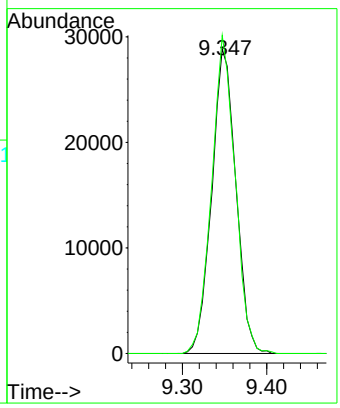




#44
Trichloroethene
Concen: 24.959 ug/l
RT: 9.347 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion:130 Resp: 57433

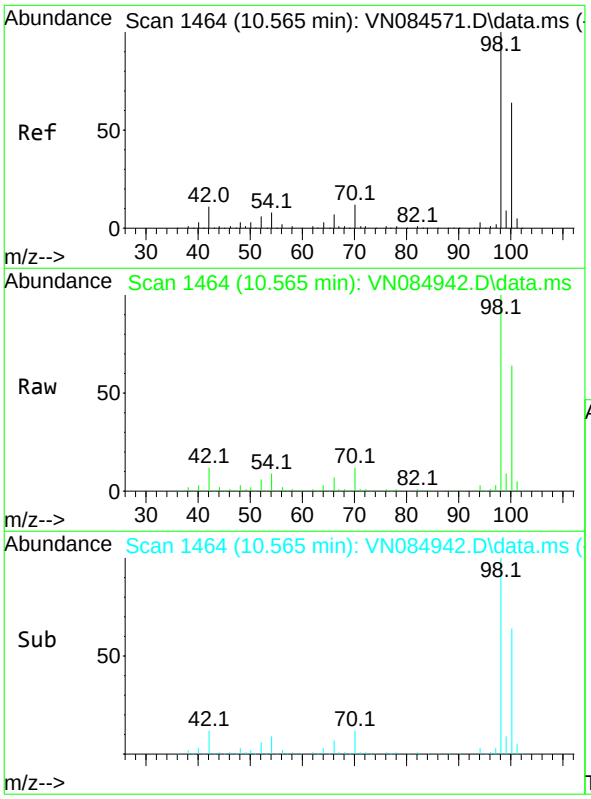
Ion	Ratio	Lower	Upper
130	100		
95	104.5	0.0	203.0



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

Manual Integrations
APPROVED

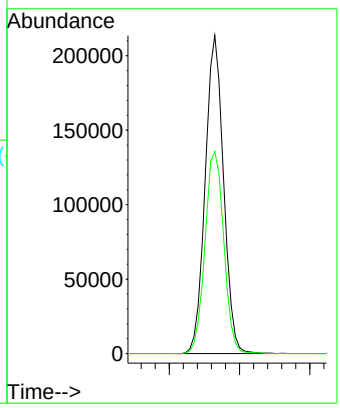
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

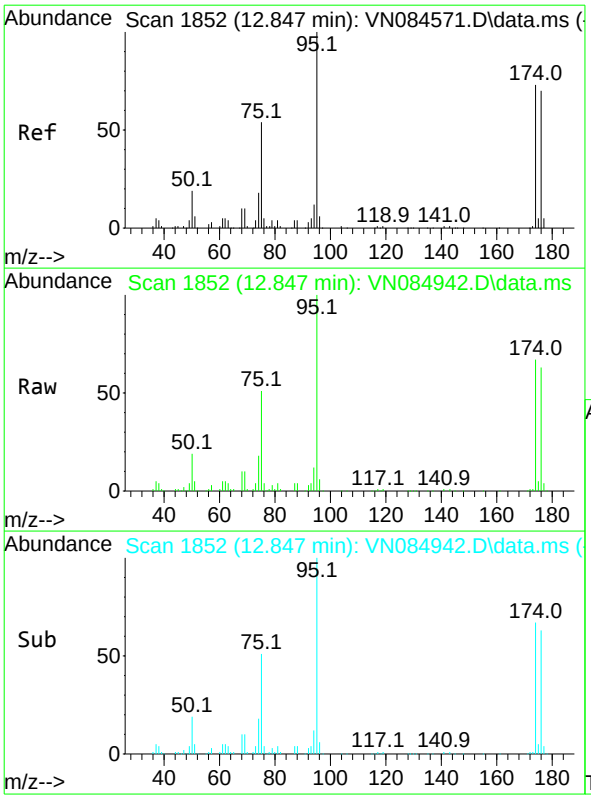


#50
Toluene-d8
Concen: 46.910 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion: 98 Resp: 387109

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.7	79.1

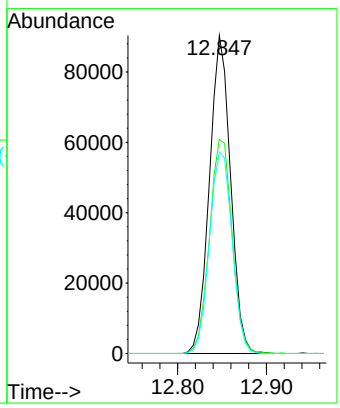




#62
4-Bromofluorobenzene
Concen: 48.408 ug/l
RT: 12.847 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion: 95 Resp: 149295

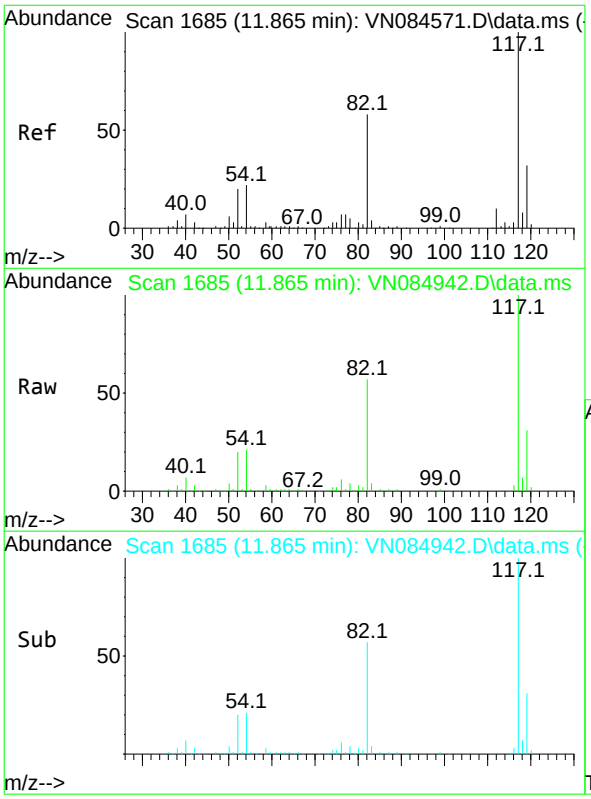
Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	145.2
176	68.1	0.0	140.0



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

Manual Integrations
APPROVED

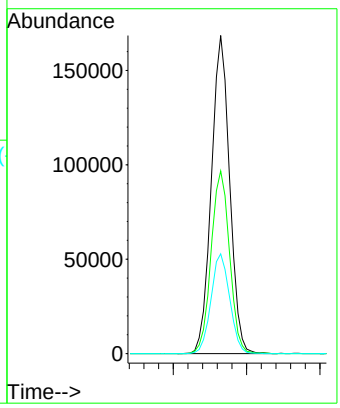
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

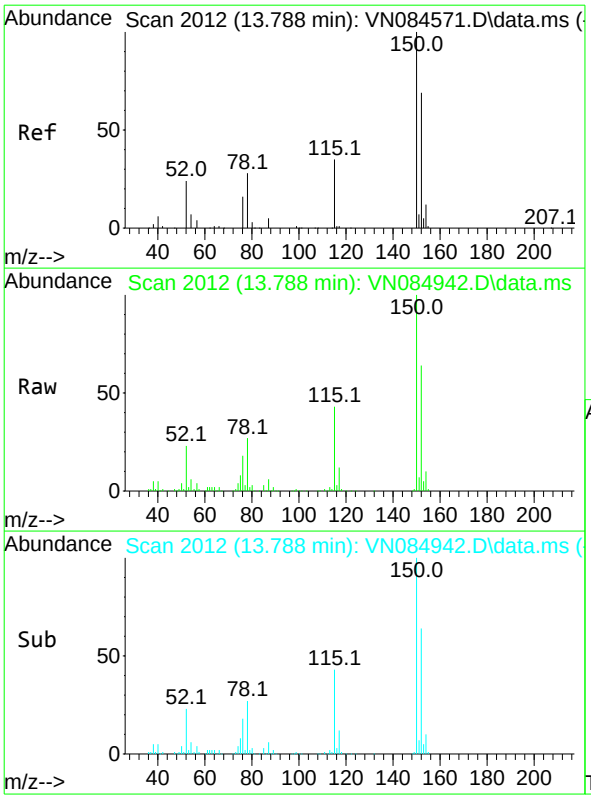


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion:117 Resp: 292031

Ion	Ratio	Lower	Upper
117	100		
82	57.4	47.2	70.8
119	31.4	25.4	38.0

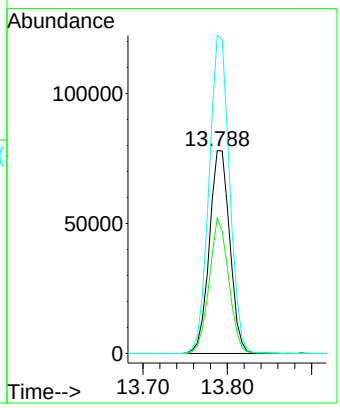




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion:152 Resp: 131420

Ion	Ratio	Lower	Upper
152	100		
115	63.5	31.3	93.9
150	156.8	0.0	349.8



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-B-3-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084947.D	1		11/19/24 15:15	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-B-3-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084947.D	1		11/19/24 15:15	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	4.30		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.0		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	48.0		80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	46.1		89 - 112		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.6		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	170000	8.224				
540-36-3	1,4-Difluorobenzene	310000	9.1				
3114-55-4	Chlorobenzene-d5	274000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	120000	13.794				
TENTATIVE IDENTIFIED COMPOUNDS							

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-B-3-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084947.D	1		11/19/24 15:15	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	5.40	J			2.29	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084947.D
Acq On : 19 Nov 2024 15:15
Operator : JC\MD
Sample : P4845-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-B-3-20241112

Quant Time: Nov 20 00:30:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	170477	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	309568	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	273801	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	120403	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	128145	52.044	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.080%			
35) Dibromofluoromethane	8.159	113	100560	47.991	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.980%			
50) Toluene-d8	10.565	98	356007	46.122	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.240%			
62) 4-Bromofluorobenzene	12.847	95	137208	47.563	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.120%			
Target Compounds						Qvalue
64) Tetrachloroethene	11.100	164	7784	4.274	ug/l	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
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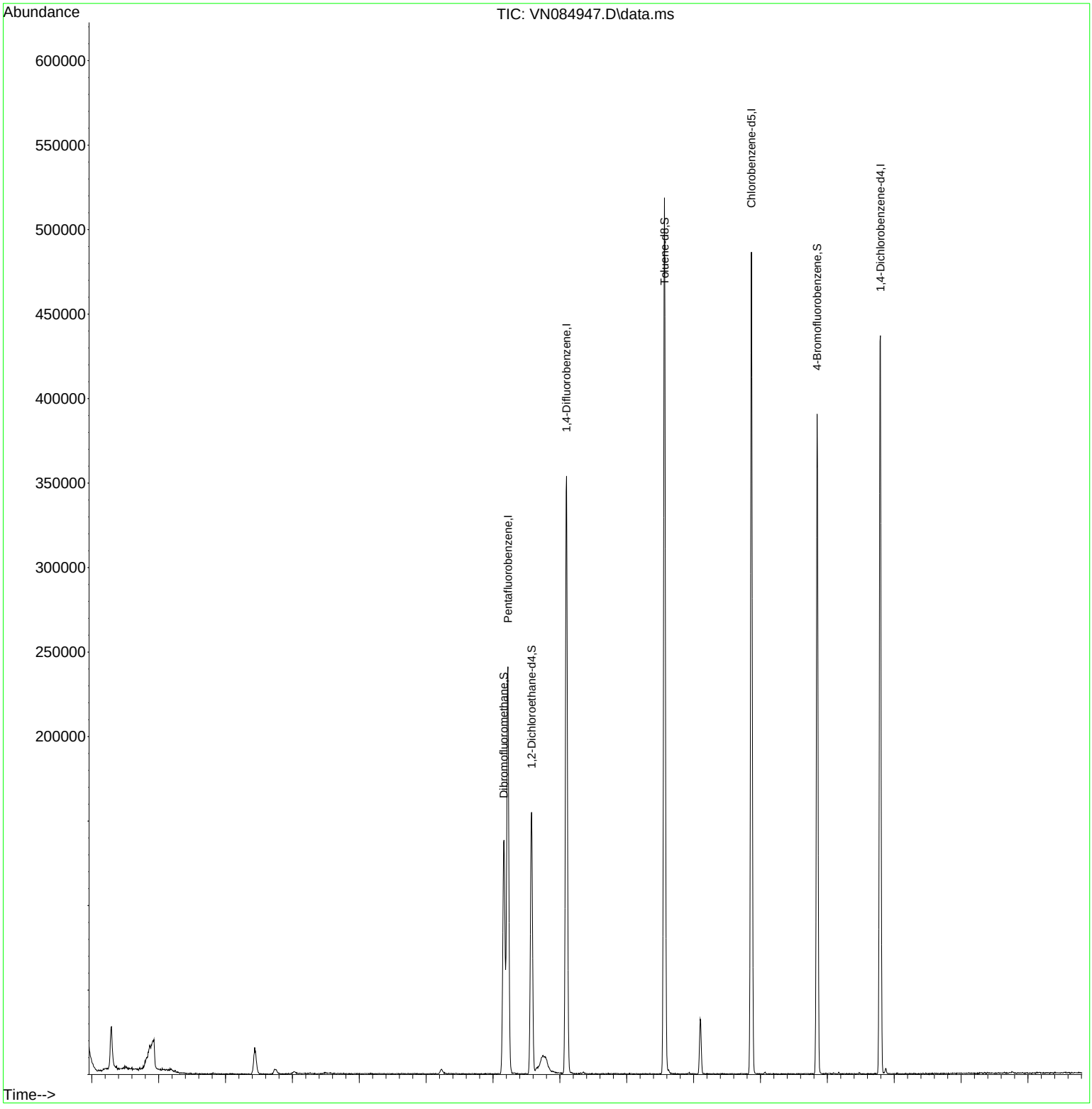
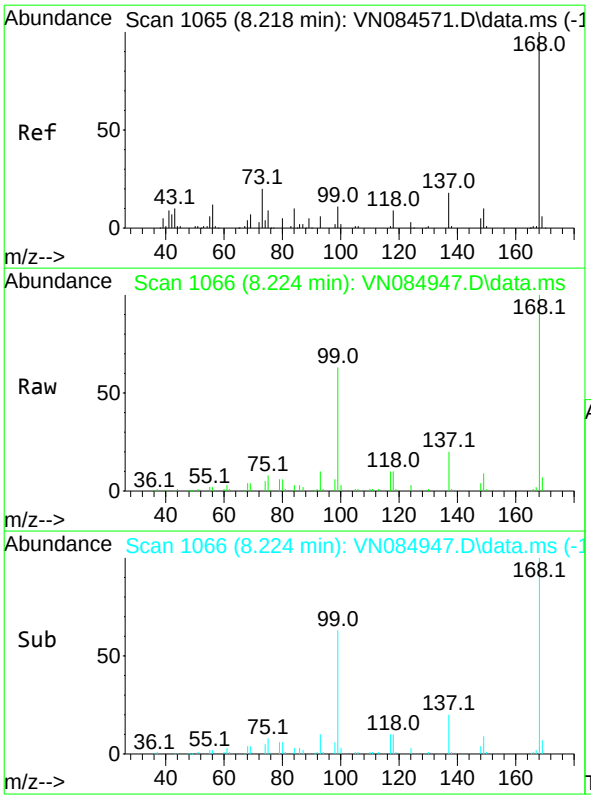
FSND-MW-B-3-20241112

Quant Time: Nov 20 00:30:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



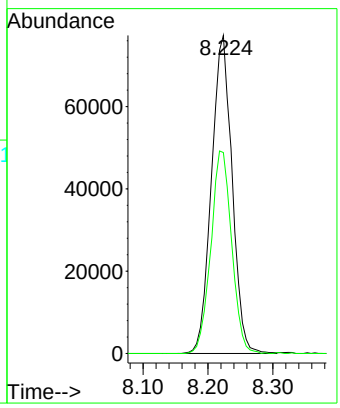


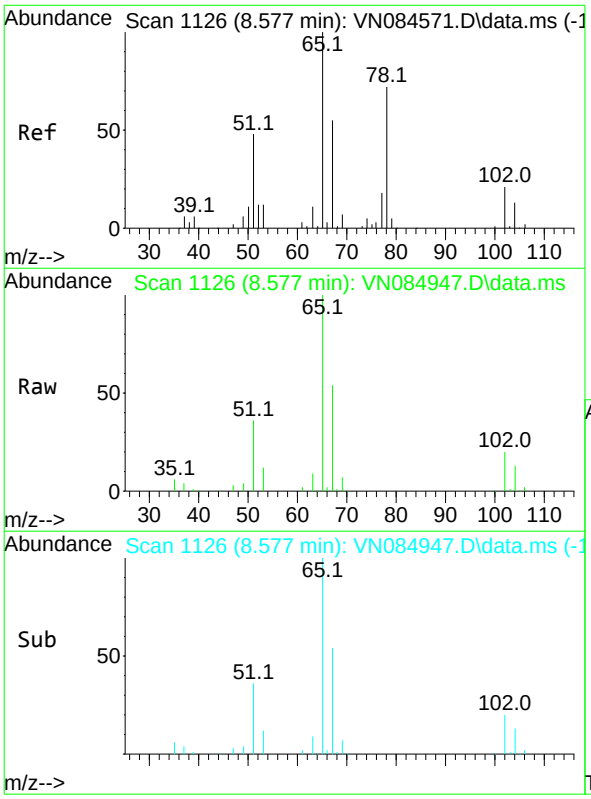
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084947.D
Acq: 19 Nov 2024 15:15

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-B-3-20241112

Tgt Ion:168 Resp: 170477

Ion	Ratio	Lower	Upper
168	100		
99	63.2	54.2	81.2

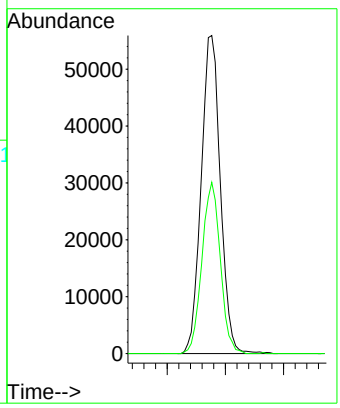


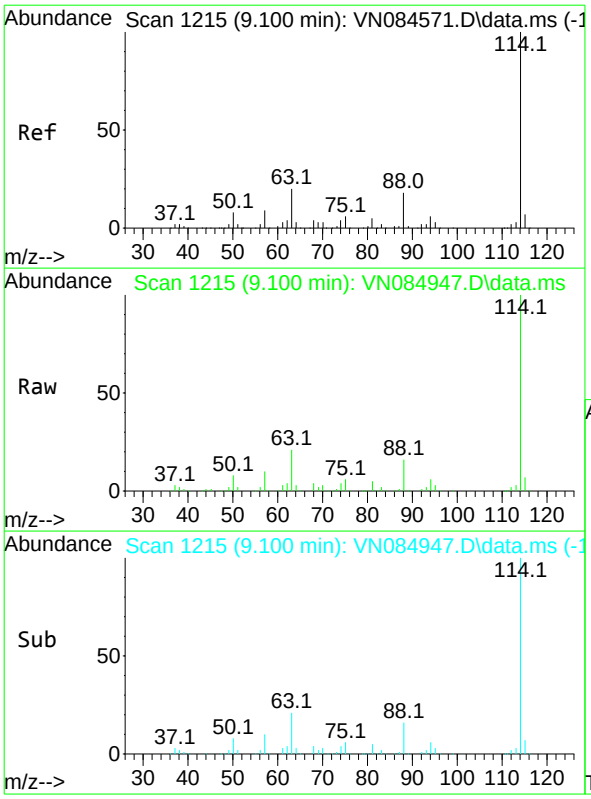


#33
1,2-Dichloroethane-d4
Concen: 52.044 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084947.D
Acq: 19 Nov 2024 15:15

Tgt Ion: 65 Resp: 128145

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	102.0



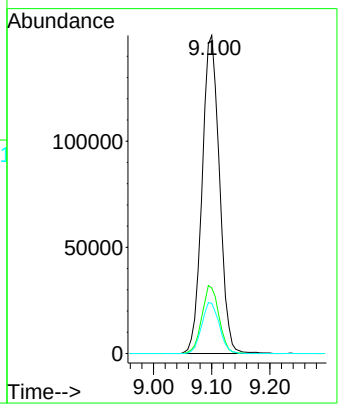


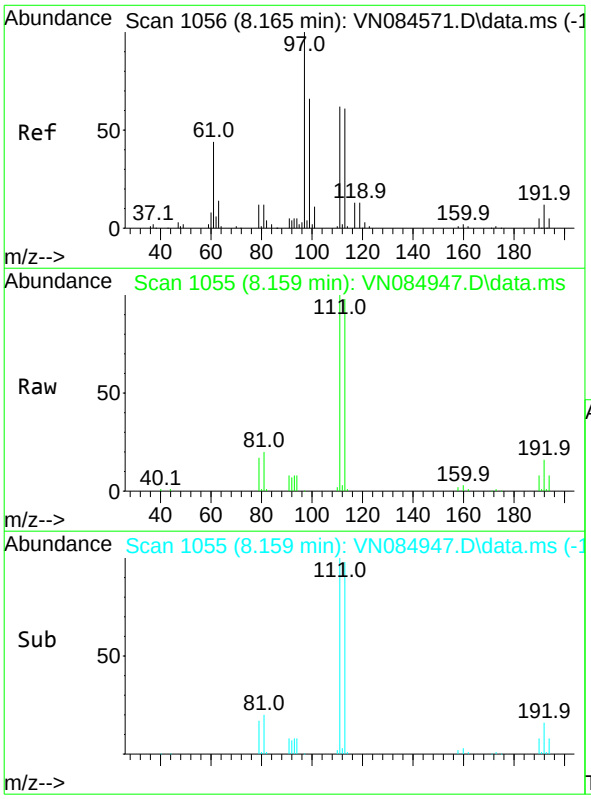
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084947.D
Acq: 19 Nov 2024 15:15

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-B-3-20241112

Tgt Ion:114 Resp: 309568

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	43.8
88	15.8	0.0	31.6

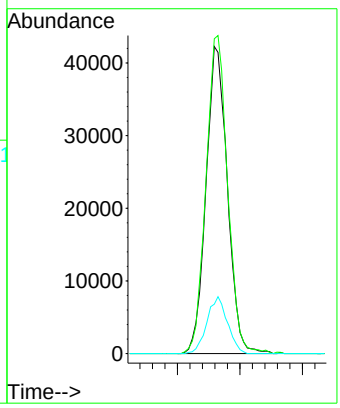


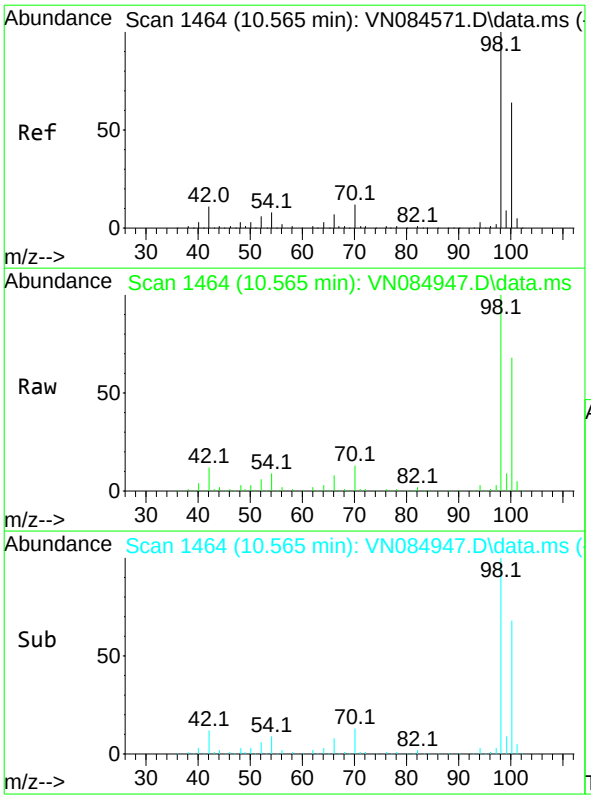


#35
Dibromofluoromethane
Concen: 47.991 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084947.D
Acq: 19 Nov 2024 15:15

Tgt Ion:113 Resp: 100560

Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.3	124.9
192	17.7	13.5	20.3



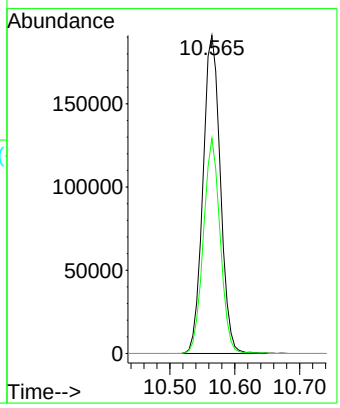


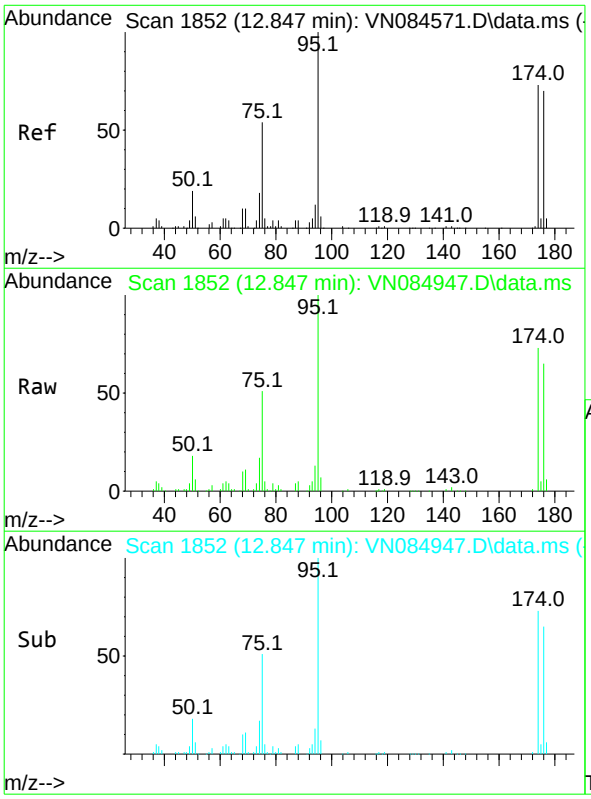
#50
Toluene-d8
Concen: 46.122 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084947.D
Acq: 19 Nov 2024 15:15

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-B-3-20241112

Tgt Ion: 98 Resp: 356007

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.7	79.1

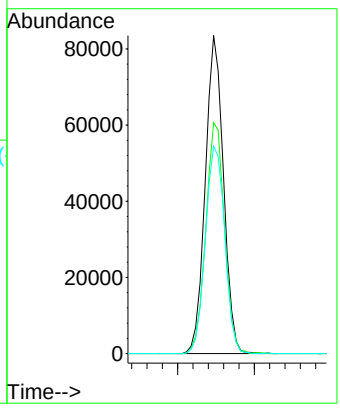


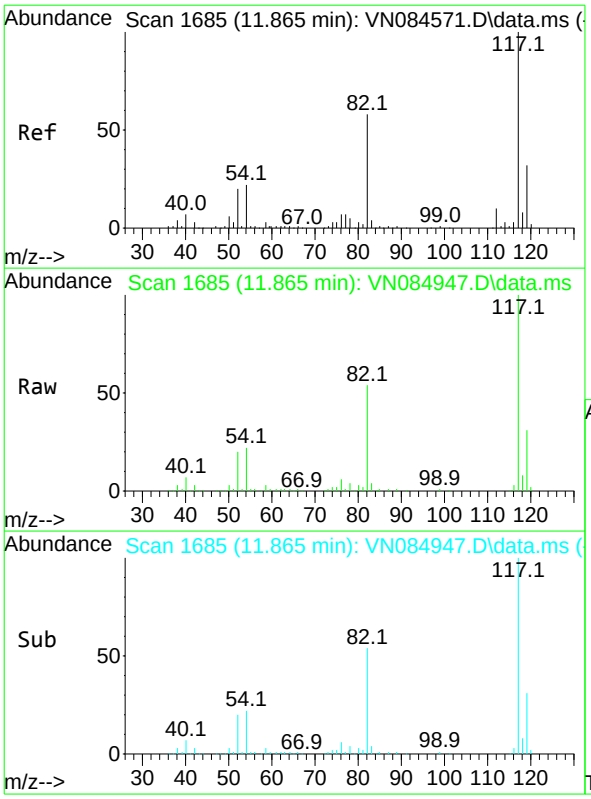


#62
4-Bromofluorobenzene
Concen: 47.563 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084947.D
Acq: 19 Nov 2024 15:15

Tgt Ion: 95 Resp: 137208

Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	145.2
176	69.3	0.0	140.0



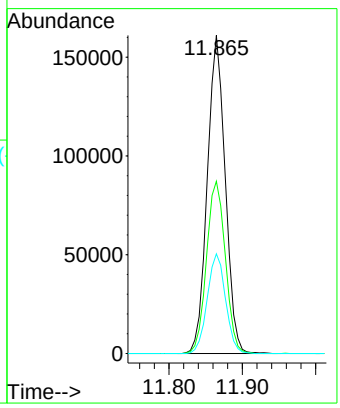


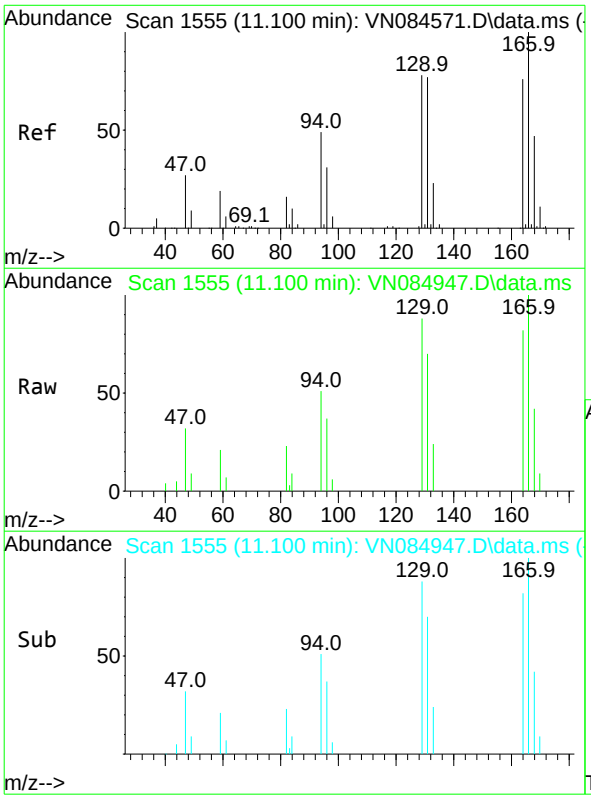
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084947.D
Acq: 19 Nov 2024 15:15

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-B-3-20241112

Tgt Ion:117 Resp: 273801

Ion	Ratio	Lower	Upper
117	100		
82	54.2	47.2	70.8
119	31.3	25.4	38.0

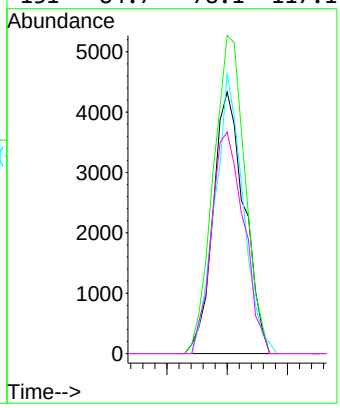


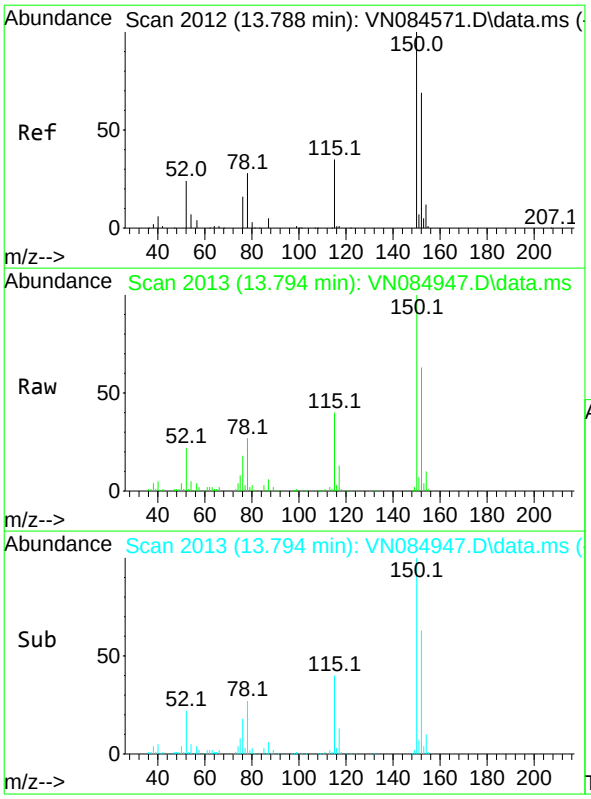


#64
Tetrachloroethene
Concen: 4.274 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084947.D
Acq: 19 Nov 2024 15:15

Tgt Ion:164 Resp: 7784

Ion	Ratio	Lower	Upper
164	100		
166	121.6	101.0	151.4
129	106.9	80.8	121.2
131	84.7	78.1	117.1



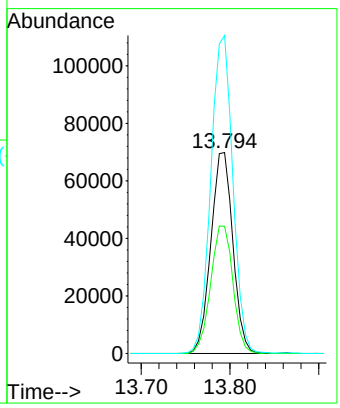


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084947.D
Acq: 19 Nov 2024 15:15

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-B-3-20241112

Tgt Ion:152 Resp: 120403

Ion	Ratio	Lower	Upper
152	100		
115	64.2	31.3	93.9
150	158.2	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084947.D
Acq On : 19 Nov 2024 15:15
Operator : JC\MD
Sample : P4845-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-B-3-20241112

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084947.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.295	50	58	68	rBV2	24987	57452	6.06%	1.078%
2	2.865	144	155	158	rBV5	10102	28220	2.98%	0.529%
3	4.436	411	422	434	rBV	16046	44578	4.71%	0.836%
4	8.165	1046	1056	1060	rBV	138363	326511	34.47%	6.124%
5	8.224	1060	1066	1076	rVB	240649	534758	56.45%	10.030%
6	8.577	1117	1126	1135	rBV2	154758	345877	36.51%	6.487%
7	9.100	1205	1215	1225	rBV	353691	730981	77.16%	13.710%
8	10.565	1455	1464	1473	rBV	518541	947303	100.00%	17.767%
9	11.100	1549	1555	1562	rVB2	32329	57829	6.10%	1.085%
10	11.865	1677	1685	1699	rBV	486493	845897	89.30%	15.865%
11	12.847	1844	1852	1865	rVB	390459	653559	68.99%	12.258%
12	13.794	2004	2013	2022	rBV	437150	758802	80.10%	14.232%

Sum of corrected areas: 5331767

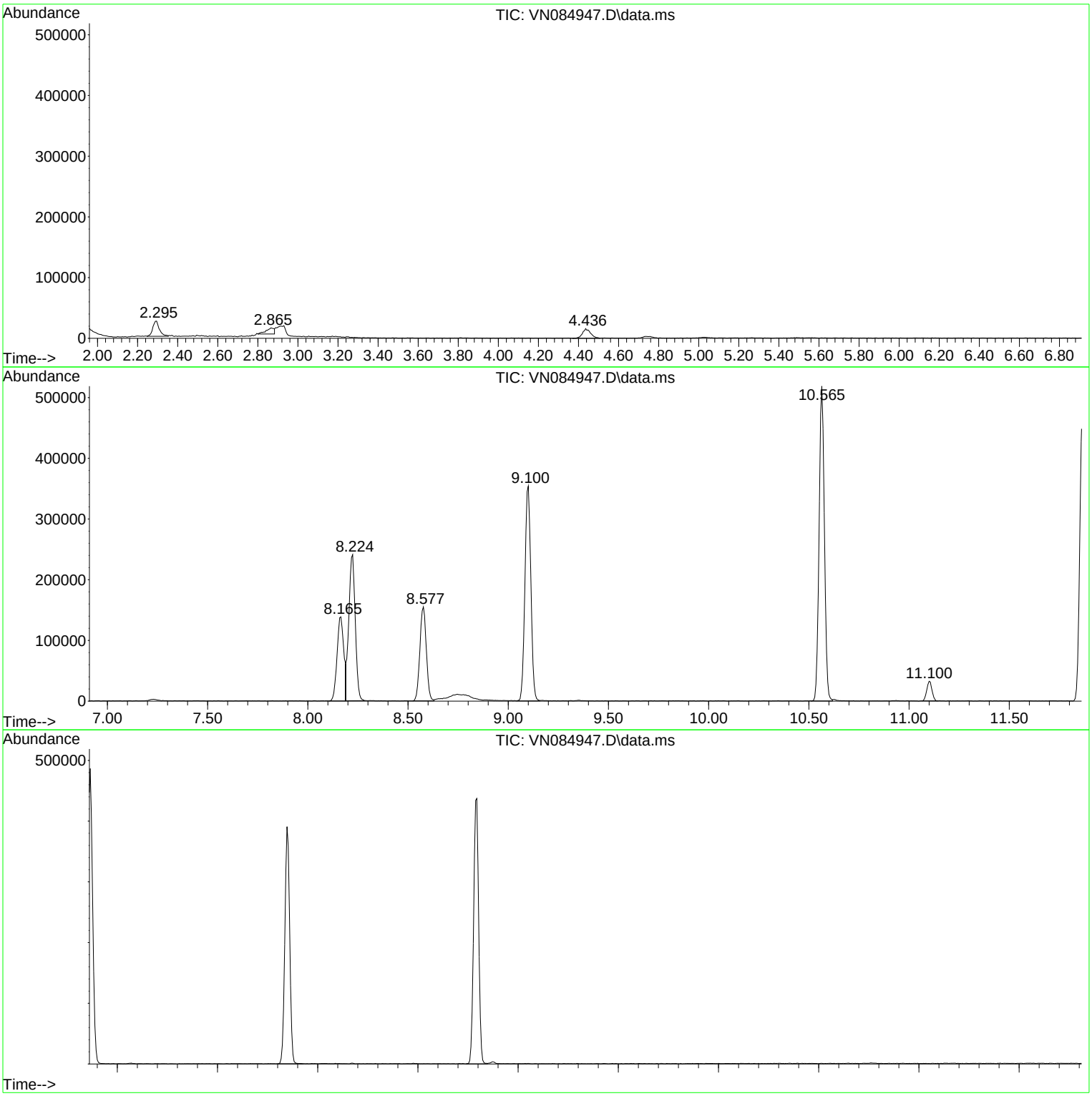
Sample Results: **VN084947.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084947.D
Acq On : 19 Nov 2024 15:15
Operator : JC\MD
Sample : P4845-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-B-3-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084947.D
Acq On : 19 Nov 2024 15:15
Operator : JC\MD
Sample : P4845-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-B-3-20241112

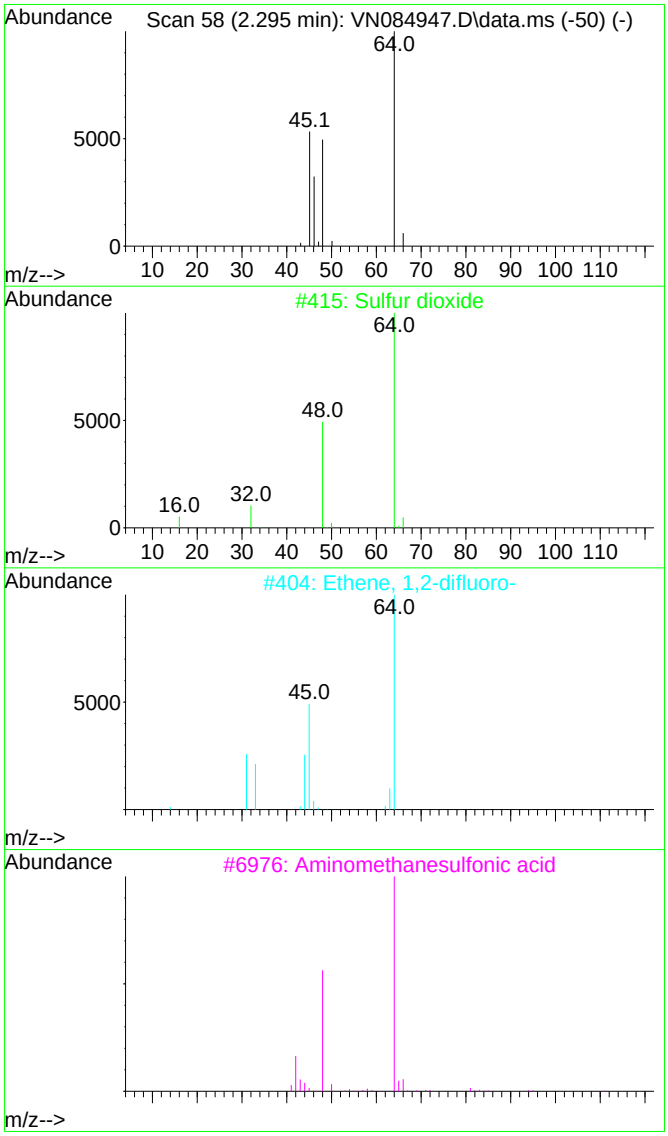
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

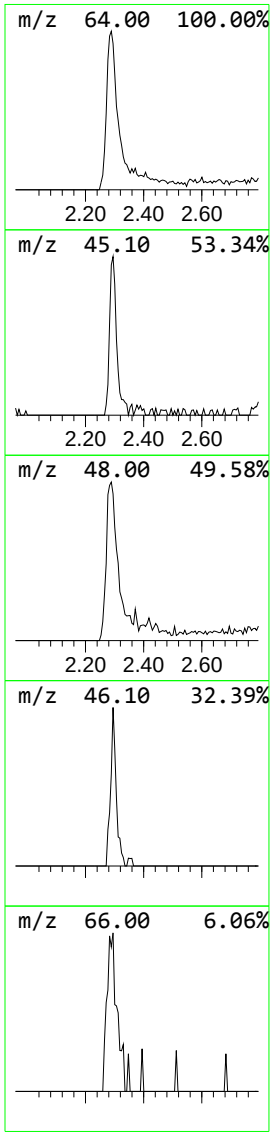
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.295	5.37 ug/l	57452	Pentafluorobenzene	8.224

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	56
2	Ethene, 1,2-difluoro-	64	C2H2F2	001691-13-0	9
3	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9
4	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
5	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	7





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084947.D
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ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-B-3-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	2.295	5.4	ug/l	57452	1	8.224	534758	50.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-36-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084893.D	1		11/17/24 14:24	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.66	J	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-36-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084893.D	1		11/17/24 14:24	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.2		81 - 118		98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	45.9		89 - 112		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.5		85 - 114		91%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	157000	8.224				
540-36-3	1,4-Difluorobenzene	269000	9.1				
3114-55-4	Chlorobenzene-d5	237000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	104000	13.788				
TENTATIVE IDENTIFIED COMPOUNDS							

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-36-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084893.D	1		11/17/24 14:24	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000109-87-5	Methylal	5.10	J			4.44	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084893.D
Acq On : 17 Nov 2024 14:24
Operator : JC\MD
Sample : P4845-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-36-20241112

Quant Time: Nov 18 00:20:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

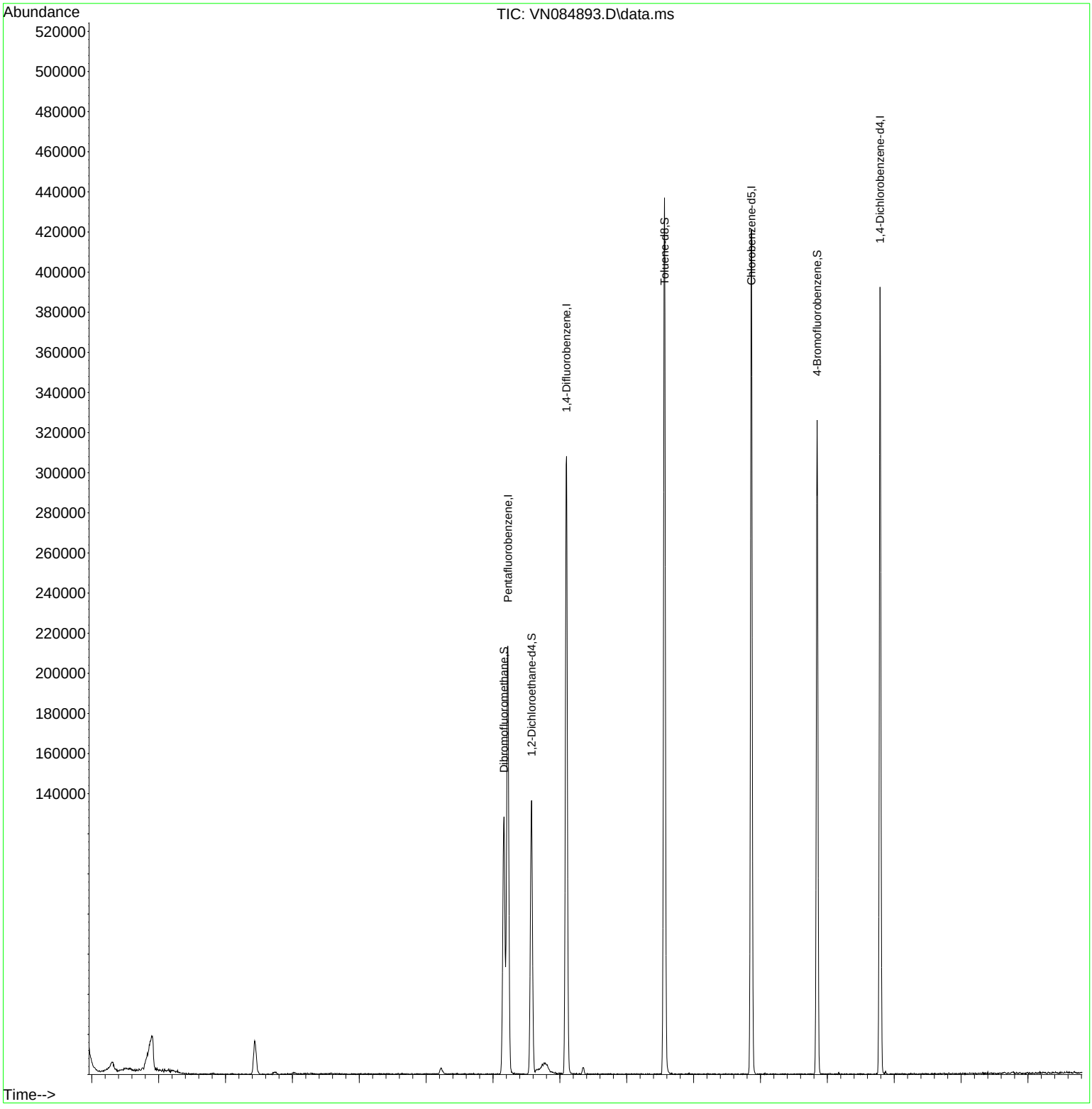
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	157015	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	268537	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	236576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	104156	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	111684	49.247	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.500%		
35) Dibromofluoromethane	8.165	113	90593	49.840	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.680%		
50) Toluene-d8	10.565	98	307212	45.882	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.760%		
62) 4-Bromofluorobenzene	12.847	95	113822	45.485	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	90.960%		
Target Compounds						Qvalue
44) Trichloroethene	9.359	130	1238	0.663	ug/l	47

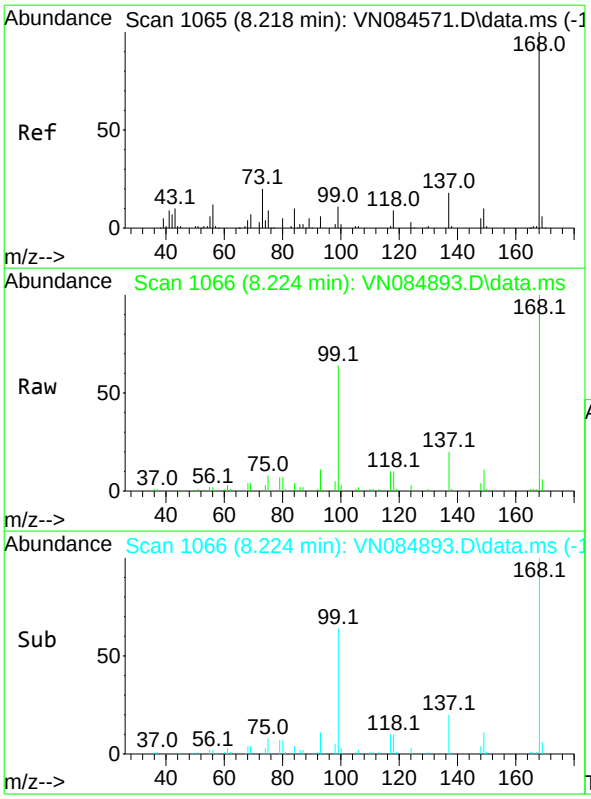
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084893.D
Acq On : 17 Nov 2024 14:24
Operator : JC\MD
Sample : P4845-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-36-20241112

Quant Time: Nov 18 00:20:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



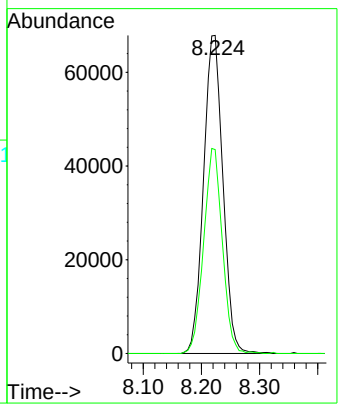


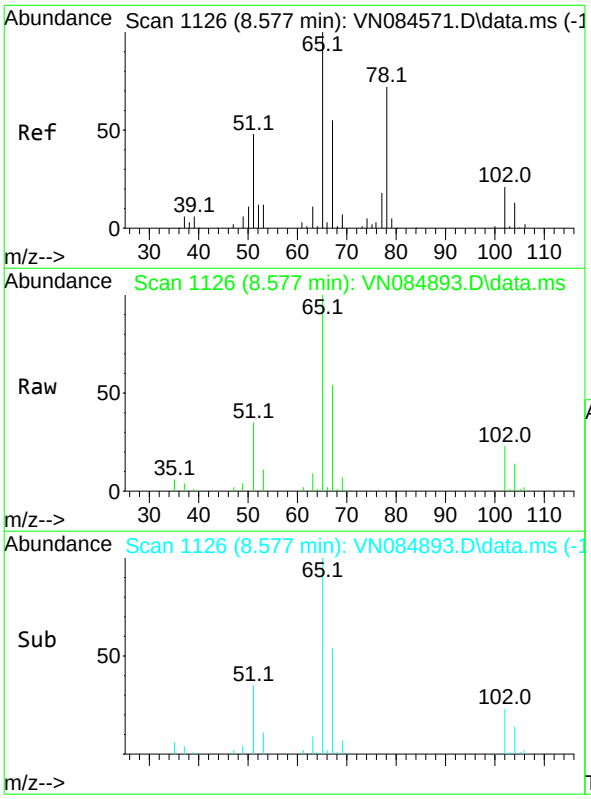
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084893.D
Acq: 17 Nov 2024 14:24

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-36-20241112

Tgt Ion:168 Resp: 157015

Ion	Ratio	Lower	Upper
168	100		
99	64.1	54.2	81.2

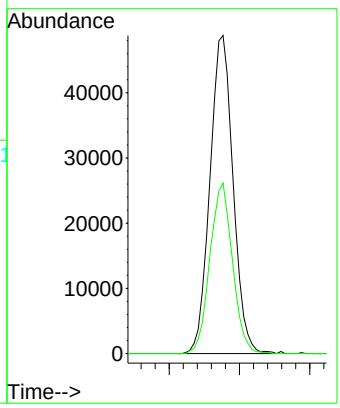


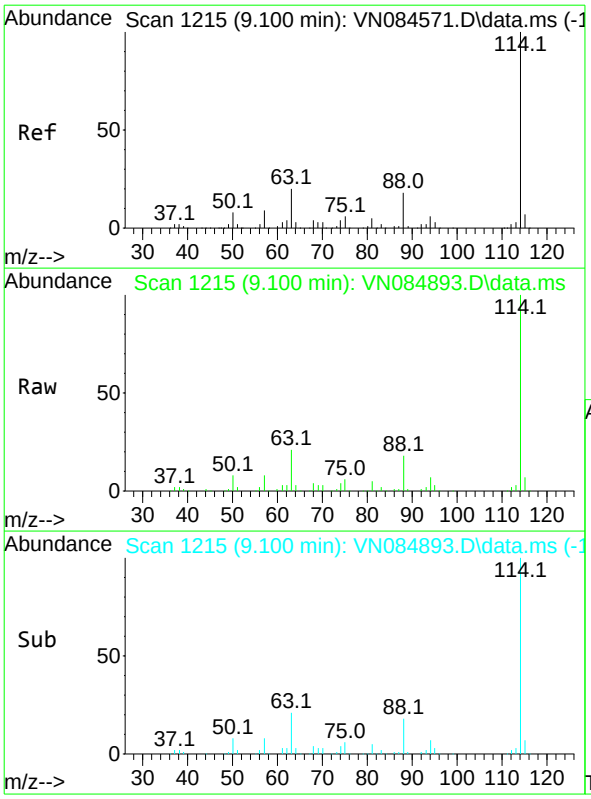


#33
1,2-Dichloroethane-d4
Concen: 49.247 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084893.D
Acq: 17 Nov 2024 14:24

Tgt Ion: 65 Resp: 111684

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	102.0



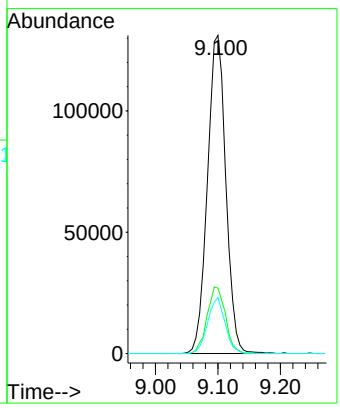


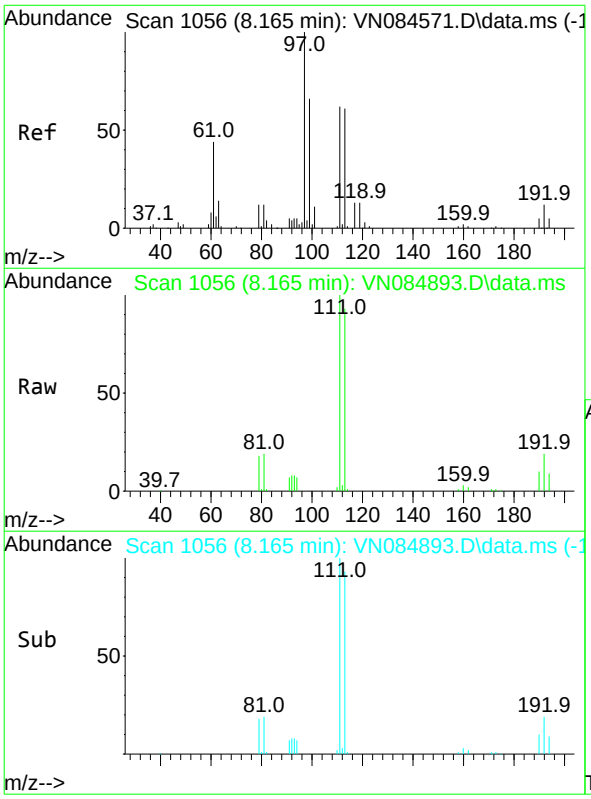
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084893.D
Acq: 17 Nov 2024 14:24

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-36-20241112

Tgt Ion:114 Resp: 268537

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	43.8
88	17.7	0.0	31.6

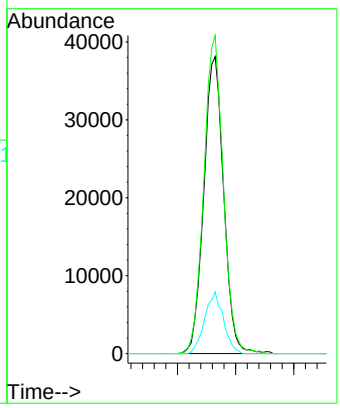


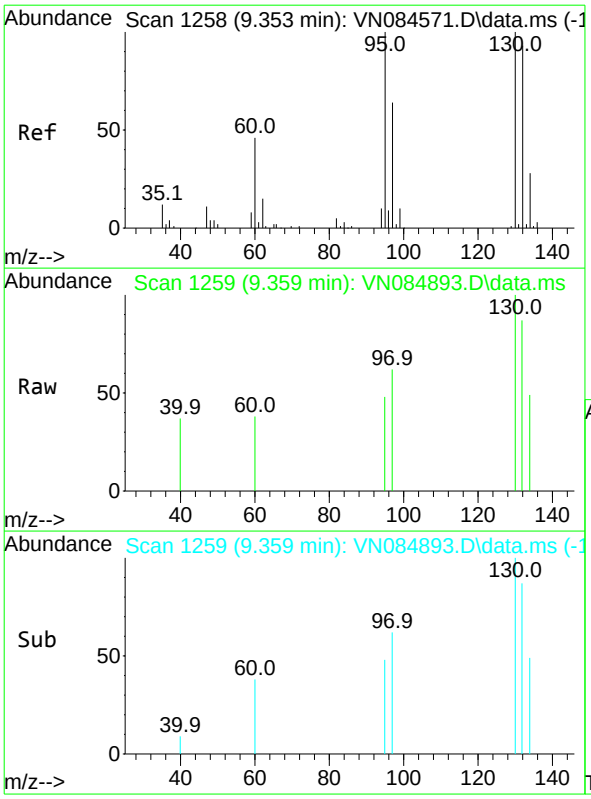


#35
Dibromofluoromethane
Concen: 49.840 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084893.D
Acq: 17 Nov 2024 14:24

Tgt Ion:113 Resp: 90593

Ion	Ratio	Lower	Upper
113	100		
111	105.0	83.3	124.9
192	19.5	13.5	20.3



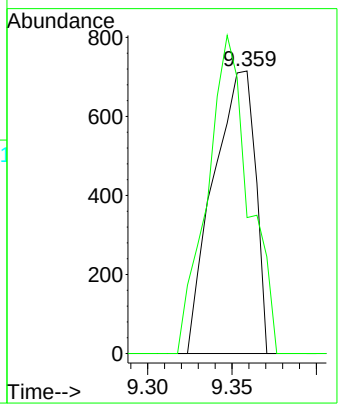


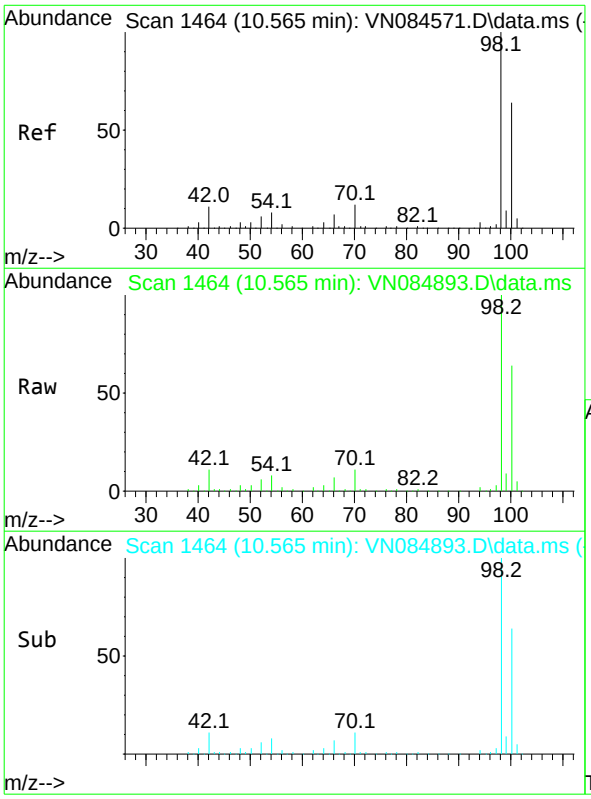
#44
Trichloroethene
Concen: 0.663 ug/l
RT: 9.359 min Scan# 12
Delta R.T. 0.012 min
Lab File: VN084893.D
Acq: 17 Nov 2024 14:24

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-36-20241112

Tgt Ion:130 Resp: 1238

Ion	Ratio	Lower	Upper
130	100		
95	48.1	0.0	203.0

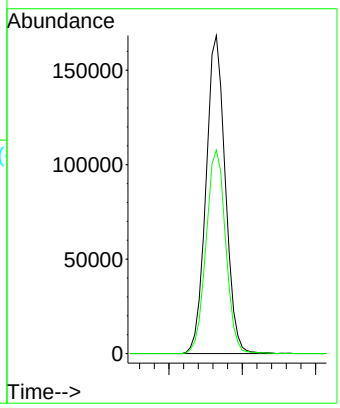


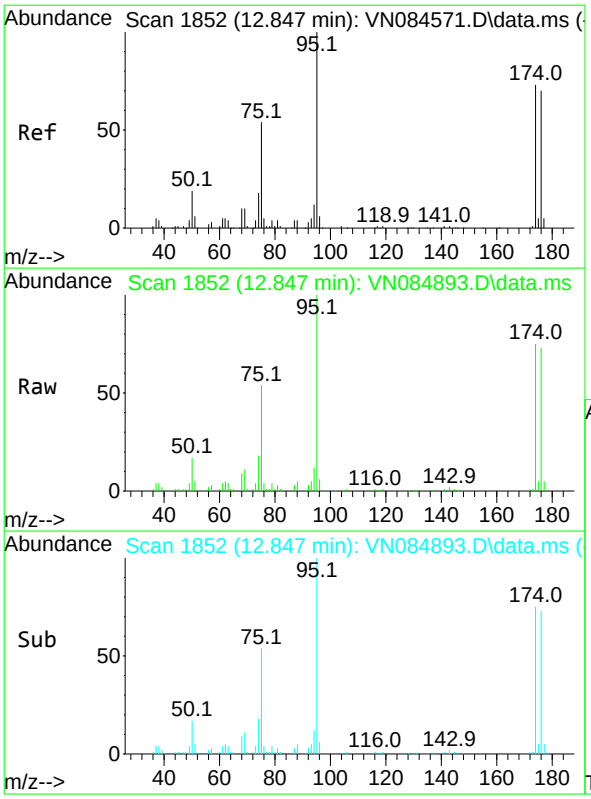


#50
Toluene-d8
Concen: 45.882 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084893.D
Acq: 17 Nov 2024 14:24

Tgt Ion: 98 Resp: 307212

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.7	79.1



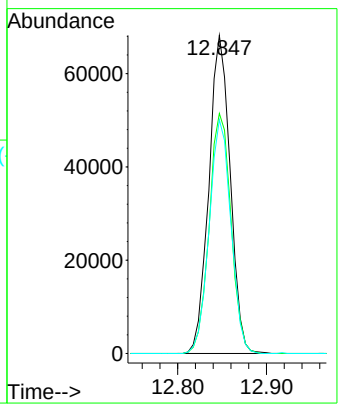


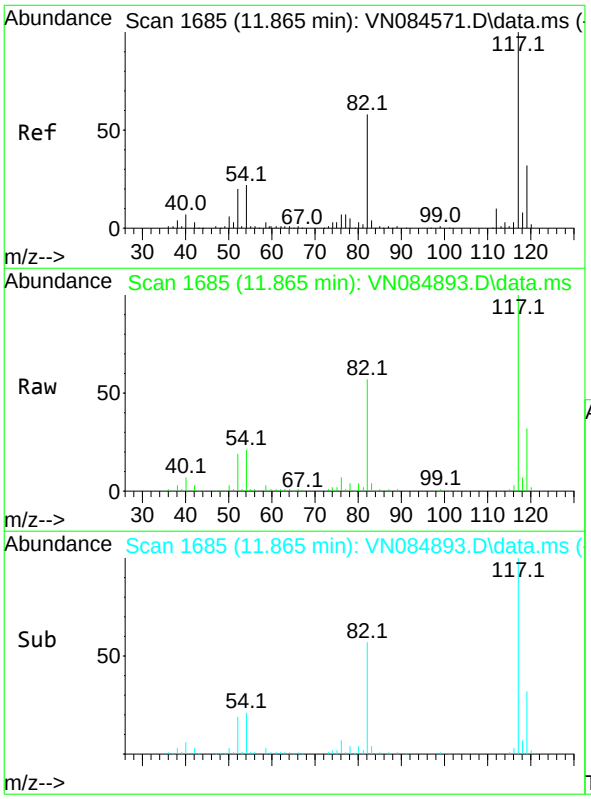
#62
4-Bromofluorobenzene
Concen: 45.485 ug/l
RT: 12.847 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084893.D
Acq: 17 Nov 2024 14:24

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-36-20241112

Tgt Ion: 95 Resp: 113822

Ion	Ratio	Lower	Upper
95	100		
174	77.1	0.0	145.2
176	74.7	0.0	140.0

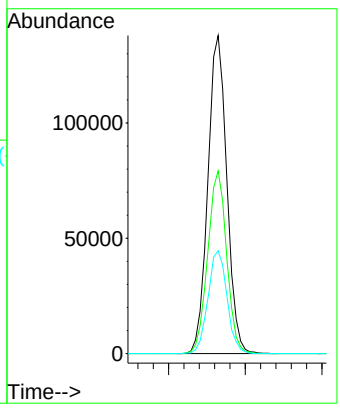


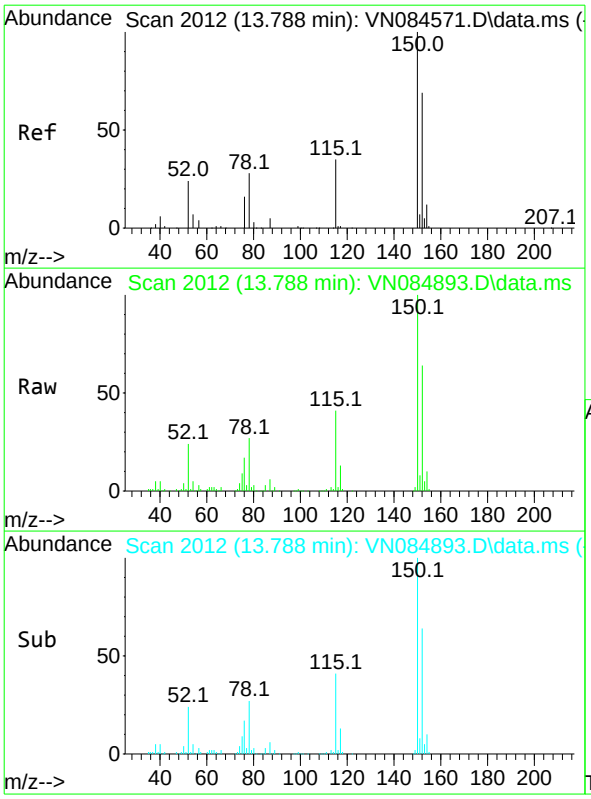


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084893.D
Acq: 17 Nov 2024 14:24

Tgt Ion:117 Resp: 236576

Ion	Ratio	Lower	Upper
117	100		
82	57.5	47.2	70.8
119	32.4	25.4	38.0



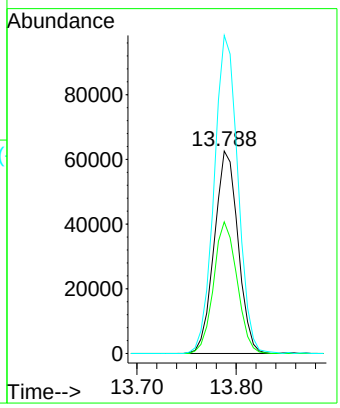


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084893.D
Acq: 17 Nov 2024 14:24

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-36-20241112

Tgt Ion:152 Resp: 104156

Ion	Ratio	Lower	Upper
152	100		
115	63.9	31.3	93.9
150	157.0	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084893.D
Acq On : 17 Nov 2024 14:24
Operator : JC\MD
Sample : P4845-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-36-20241112

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084893.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.312	52	61	67	rVB5	3581	11456	1.42%	0.254%
2	2.830	140	149	150	rBV6	7887	16327	2.02%	0.362%
3	4.436	413	422	438	rVB2	16787	49310	6.10%	1.093%
4	8.165	1045	1056	1060	rBV	128294	300425	37.16%	6.662%
5	8.224	1060	1066	1079	rVB	213051	482065	59.63%	10.690%
6	8.577	1114	1126	1135	rBV	136440	301518	37.30%	6.686%
7	9.100	1206	1215	1226	rBV	307686	629888	77.92%	13.968%
8	10.565	1456	1464	1479	rBV	436923	808417	100.00%	17.927%
9	11.865	1677	1685	1697	rBV	420902	722753	89.40%	16.027%
10	12.847	1843	1852	1861	rBV	326276	548983	67.91%	12.174%
11	13.788	2004	2012	2022	rBV	392414	638331	78.96%	14.155%

Sum of corrected areas: 4509473

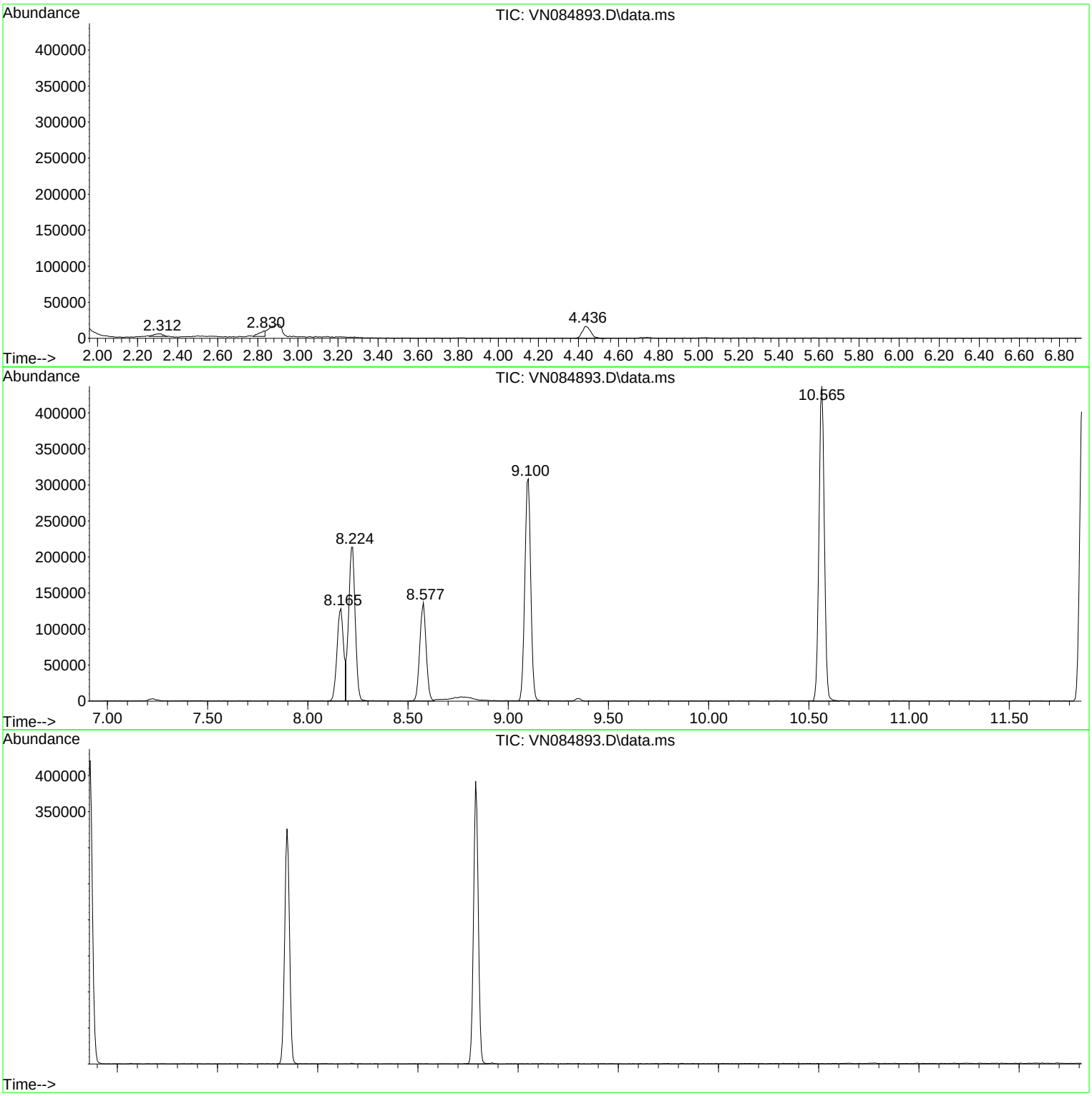
Sample Results: **VN084893.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084893.D
Acq On : 17 Nov 2024 14:24
Operator : JC\MD
Sample : P4845-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-36-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084893.D
Acq On : 17 Nov 2024 14:24
Operator : JC\MD
Sample : P4845-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-36-20241112

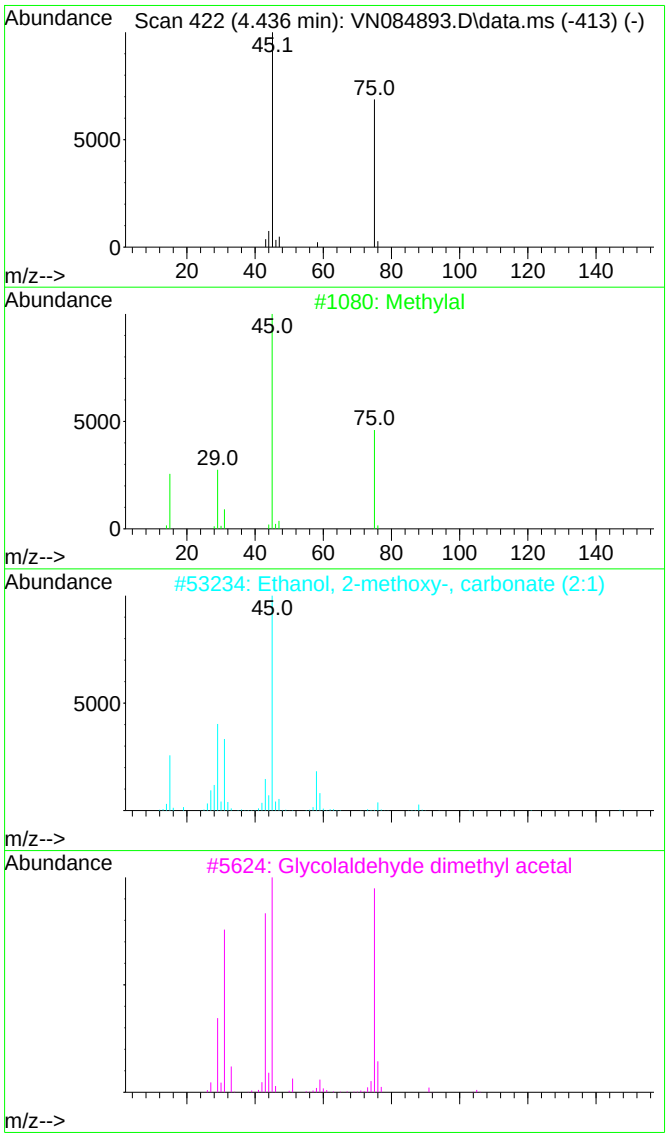
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

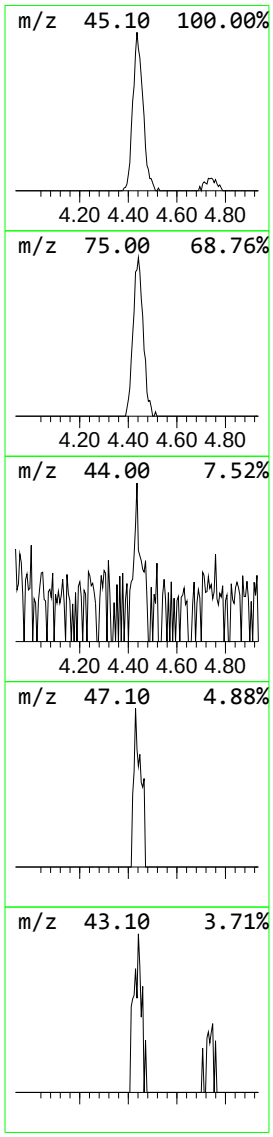
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Methylal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.436	5.11 ug/l	49310	Pentafluorobenzene	8.224

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylal	76	C3H8O2	000109-87-5	90
2	Ethanol, 2-methoxy-, carbonate (...	178	C7H14O5	000626-84-6	9
3	Glycolaldehyde dimethyl acetal	106	C4H10O3	030934-97-5	9
4	1,2,4-Butanetriol	106	C4H10O3	003068-00-6	9
5	Ethanol, 2-methoxy-	76	C3H8O2	000109-86-4	7





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Data File : VN084893.D
Acq On : 17 Nov 2024 14:24
Operator : JC\MD
Sample : P4845-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-36-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Methylal	4.436	5.1	ug/l	49310	1	8.224	482065	50.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-22R-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084894.D	1		11/17/24 14:48	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	150	E	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-22R-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084894.D	1		11/17/24 14:48	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	4.50		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.8		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	46.2		89 - 112		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.5		85 - 114		93%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	159000	8.218				
540-36-3	1,4-Difluorobenzene	272000	9.1				
3114-55-4	Chlorobenzene-d5	244000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	111000	13.788				

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-22R-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084894.D	1		11/17/24 14:48	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084894.D
Acq On : 17 Nov 2024 14:48
Operator : JC\MD
Sample : P4845-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-22R-20241112

Quant Time: Nov 18 00:20:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

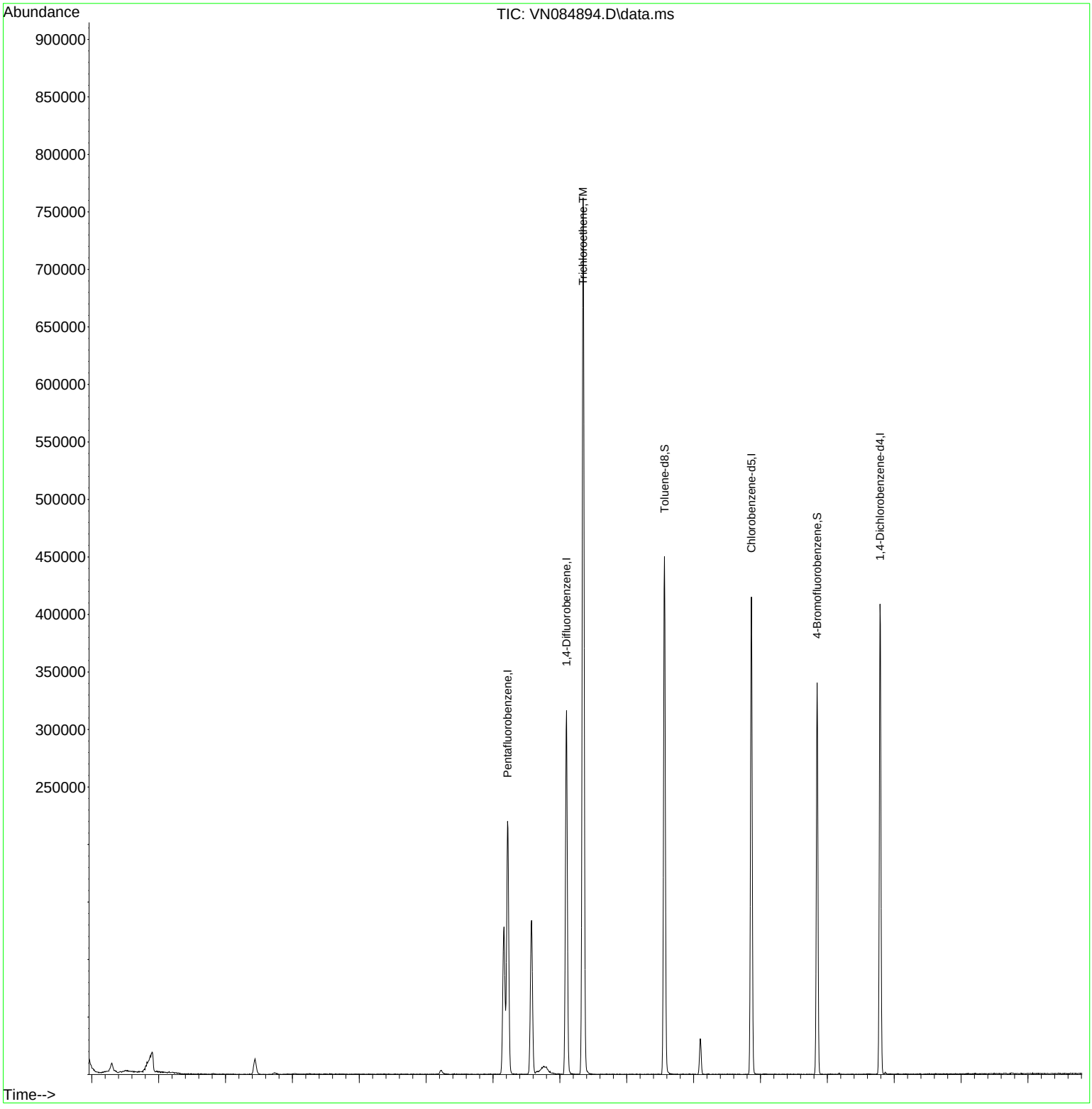
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	158683	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	272472	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	243525	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	111105	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114138	49.800	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.600%		
35) Dibromofluoromethane	8.165	113	91315	49.512	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.020%		
50) Toluene-d8	10.565	98	314018	46.221	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.440%		
62) 4-Bromofluorobenzene	12.847	95	118108	46.516	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.040%		
Target Compounds						Qvalue
44) Trichloroethene	9.347	130	278094	146.795	ug/l	100
64) Tetrachloroethene	11.100	164	7264	4.484	ug/l #	90

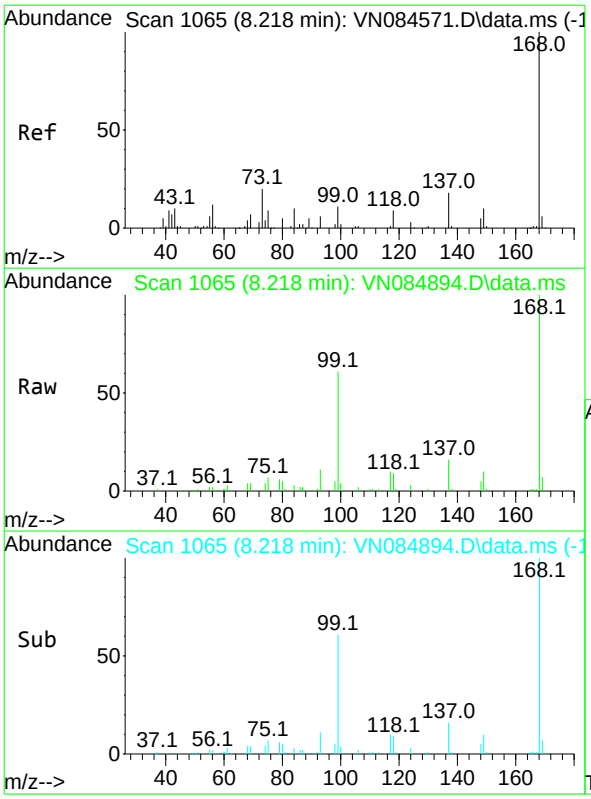
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084894.D
Acq On : 17 Nov 2024 14:48
Operator : JC\MD
Sample : P4845-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-22R-20241112

Quant Time: Nov 18 00:20:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



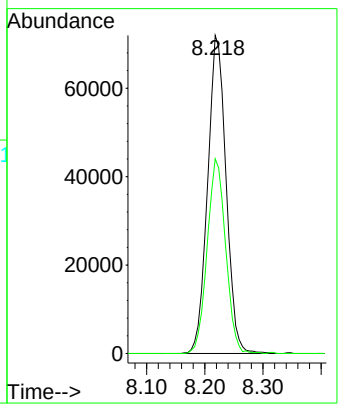


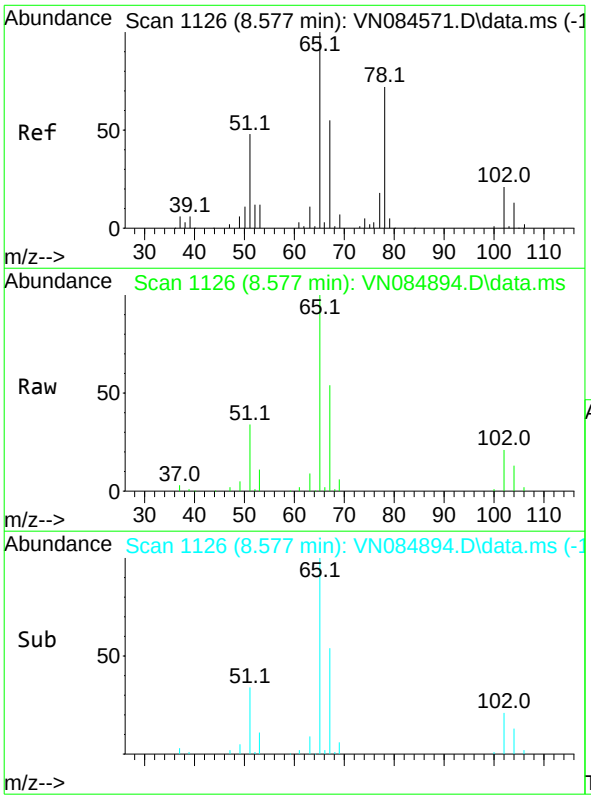
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084894.D
Acq: 17 Nov 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-22R-20241112

Tgt Ion:168 Resp: 158683

Ion	Ratio	Lower	Upper
168	100		
99	61.2	54.2	81.2

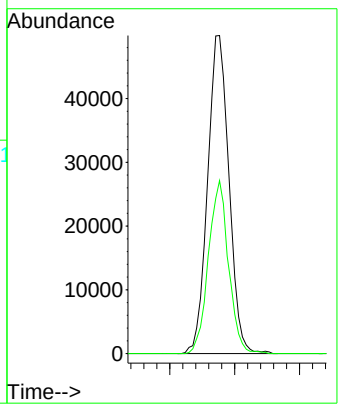


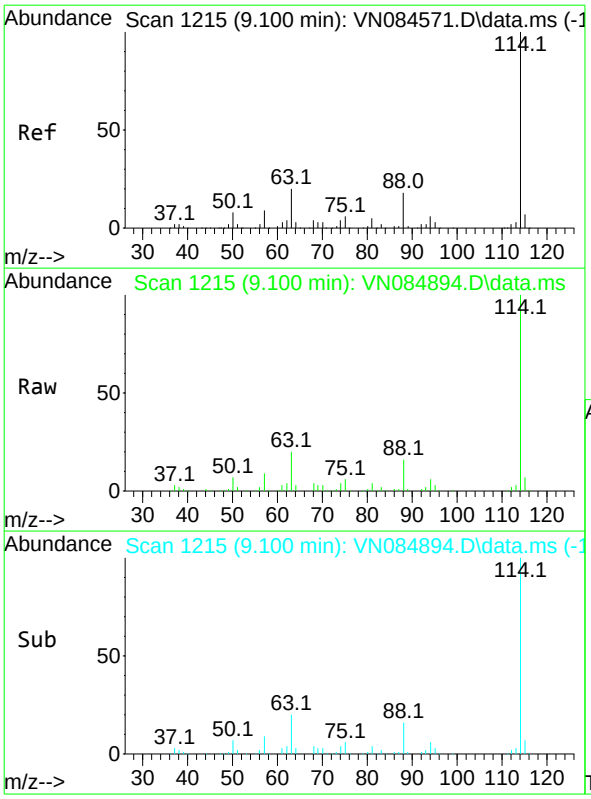


#33
1,2-Dichloroethane-d4
Concen: 49.800 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084894.D
Acq: 17 Nov 2024 14:48

Tgt Ion: 65 Resp: 114138

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	102.0



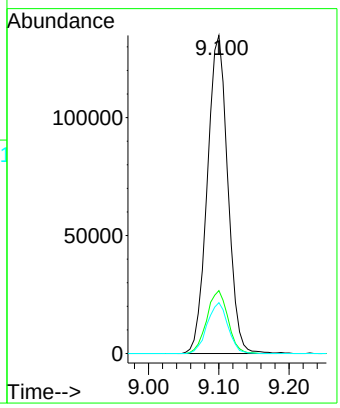


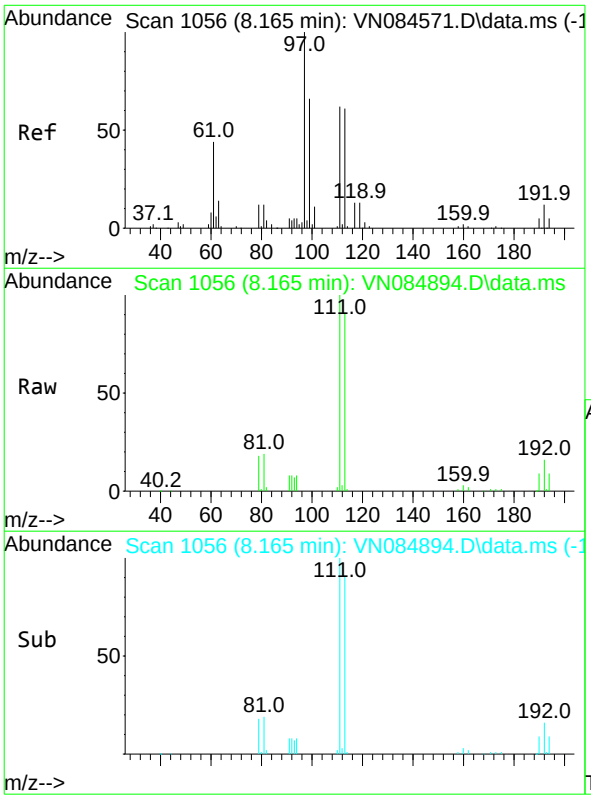
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084894.D
Acq: 17 Nov 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-22R-20241112

Tgt Ion:114 Resp: 272472

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	43.8
88	16.0	0.0	31.6

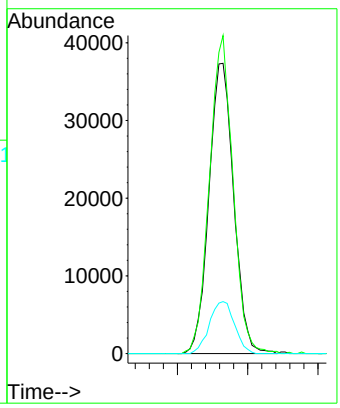


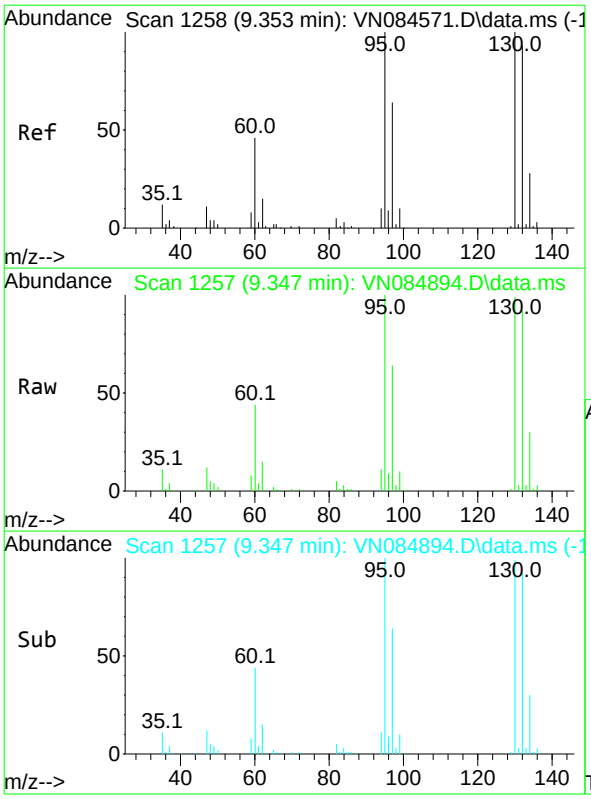


#35
Dibromofluoromethane
Concen: 49.512 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084894.D
Acq: 17 Nov 2024 14:48

Tgt Ion:113 Resp: 91315

Ion	Ratio	Lower	Upper
113	100		
111	104.3	83.3	124.9
192	18.2	13.5	20.3



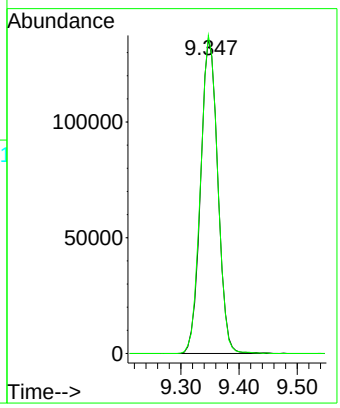


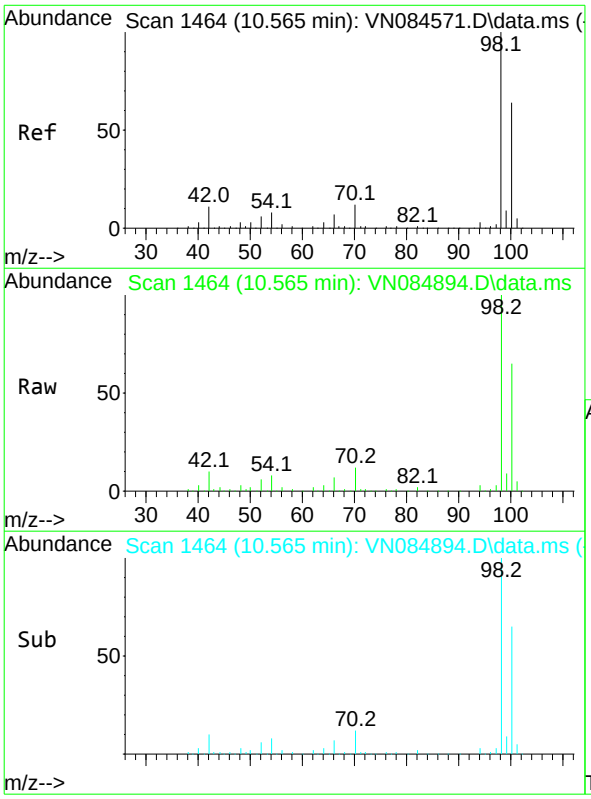
#44
Trichloroethene
Concen: 146.795 ug/l
RT: 9.347 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084894.D
Acq: 17 Nov 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-22R-20241112

Tgt Ion:130 Resp: 278094

Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	203.0

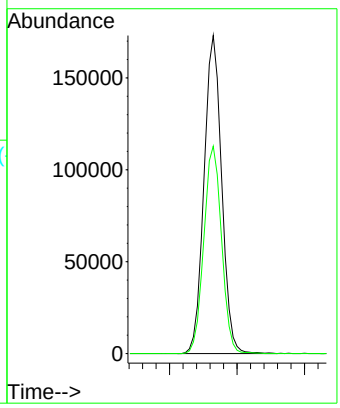


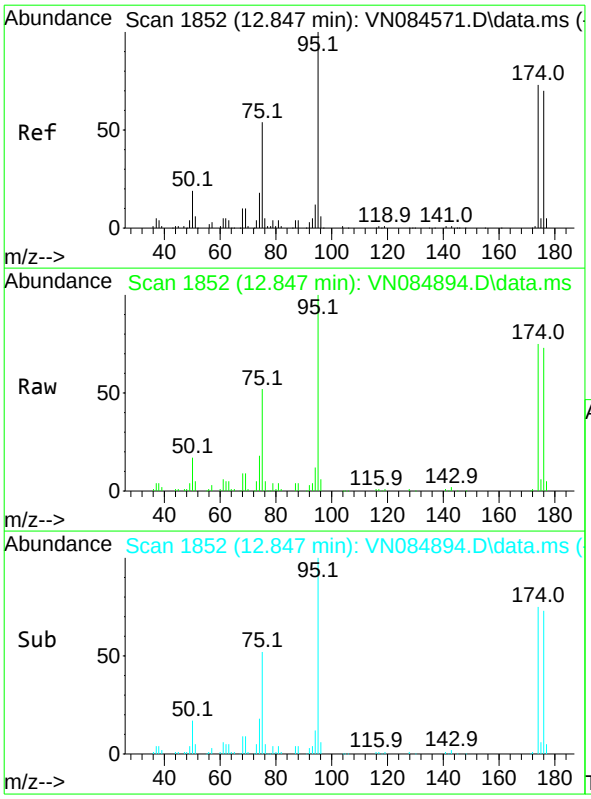


#50
Toluene-d8
Concen: 46.221 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084894.D
Acq: 17 Nov 2024 14:48

Tgt Ion: 98 Resp: 314018

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.7	79.1



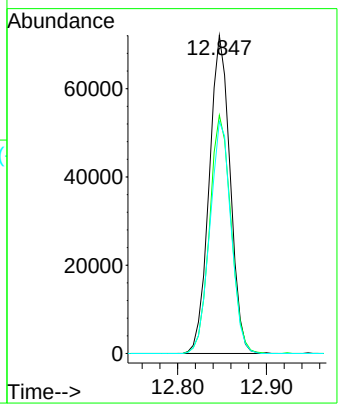


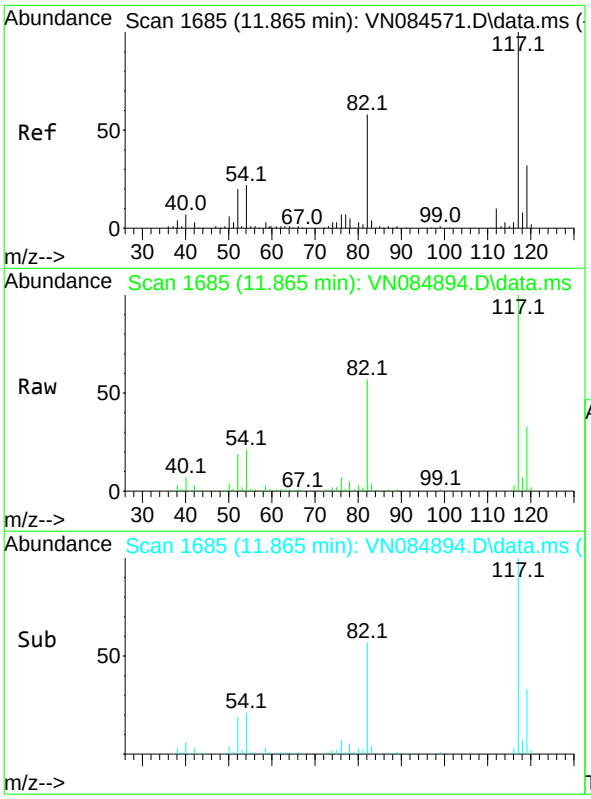
#62
4-Bromofluorobenzene
Concen: 46.516 ug/l
RT: 12.847 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084894.D
Acq: 17 Nov 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-22R-20241112

Tgt Ion: 95 Resp: 118108

Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	145.2
176	73.6	0.0	140.0

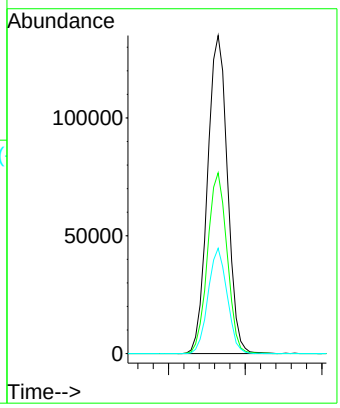


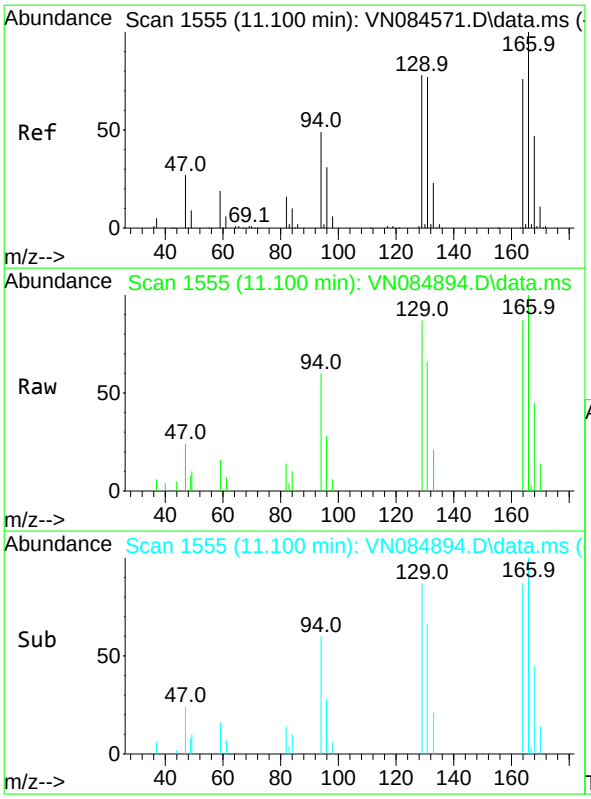


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084894.D
Acq: 17 Nov 2024 14:48

Tgt Ion:117 Resp: 243525

Ion	Ratio	Lower	Upper
117	100		
82	56.8	47.2	70.8
119	33.1	25.4	38.0



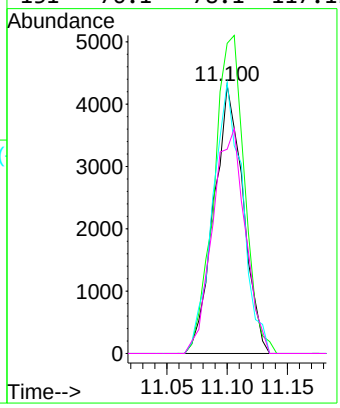


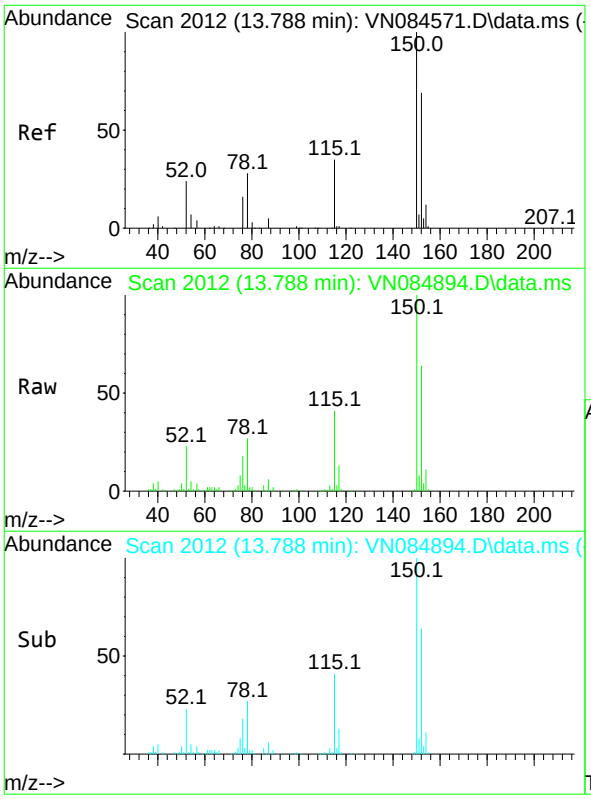
#64
Tetrachloroethene
Concen: 4.484 ug/l
RT: 11.100 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084894.D
Acq: 17 Nov 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-22R-20241112

Tgt Ion:164 Resp: 7264

Ion	Ratio	Lower	Upper
164	100		
166	115.6	101.0	151.4
129	100.9	80.8	121.2
131	76.1	78.1	117.1#

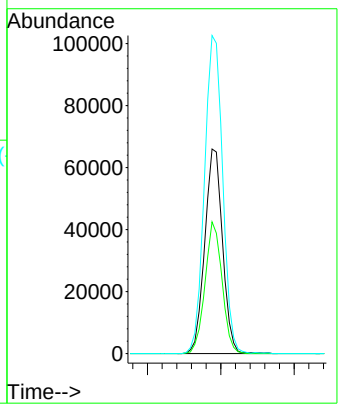




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084894.D
Acq: 17 Nov 2024 14:48

Tgt Ion:152 Resp: 111105

Ion	Ratio	Lower	Upper
152	100		
115	61.4	31.3	93.9
150	159.0	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084894.D
Acq On : 17 Nov 2024 14:48
Operator : JC\MD
Sample : P4845-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-22R-20241112

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084894.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.301	51	59	65	rBV4	7125	17587	1.14%	0.284%
2	4.442	413	423	439	rBB	13668	38451	2.50%	0.621%
3	8.165	1046	1056	1060	rBV	128252	301705	19.60%	4.871%
4	8.218	1060	1065	1080	rVB	220041	486929	31.64%	7.862%
5	8.577	1114	1126	1135	rBV	133868	302636	19.66%	4.886%
6	9.100	1206	1215	1229	rBV	316619	640815	41.64%	10.346%
7	9.347	1248	1257	1273	rBV	761926	1539092	100.00%	24.850%
8	10.565	1456	1464	1477	rBV	450183	828919	53.86%	13.384%
9	11.100	1548	1555	1561	rBV2	31256	55212	3.59%	0.891%
10	11.865	1677	1685	1694	rBV	415036	736334	47.84%	11.889%
11	12.847	1844	1852	1862	rBV	340538	564981	36.71%	9.122%
12	13.788	2005	2012	2020	rBV	408730	680894	44.24%	10.994%

Sum of corrected areas: 6193555

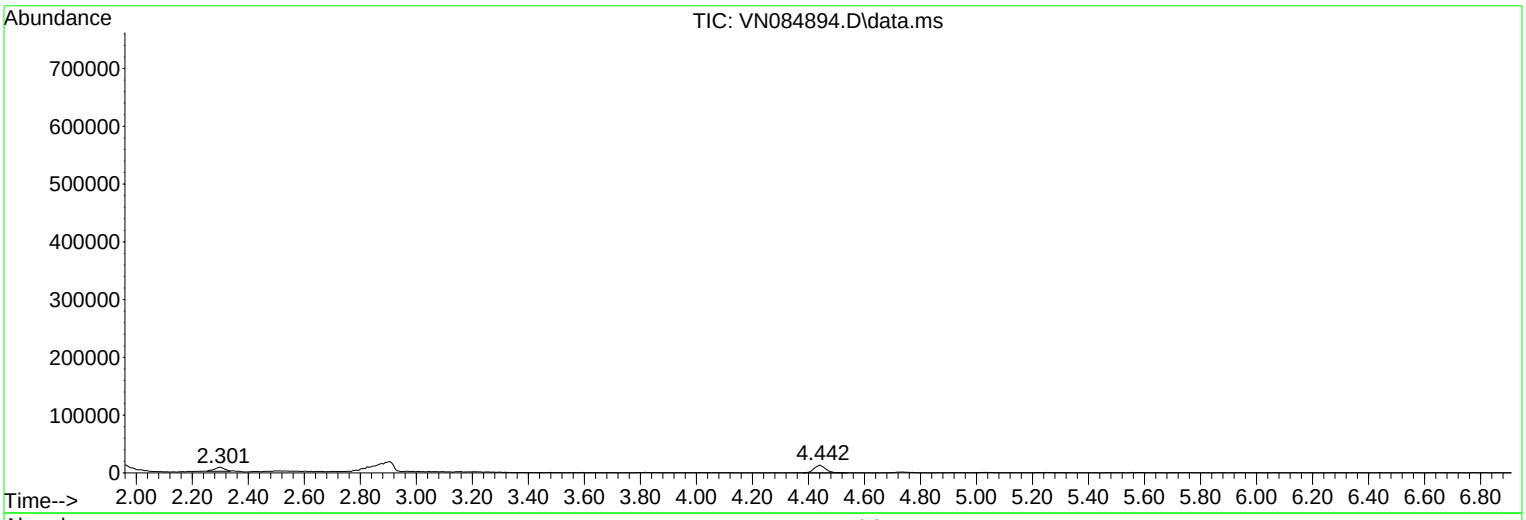
Sample Results: **VN084894.D**

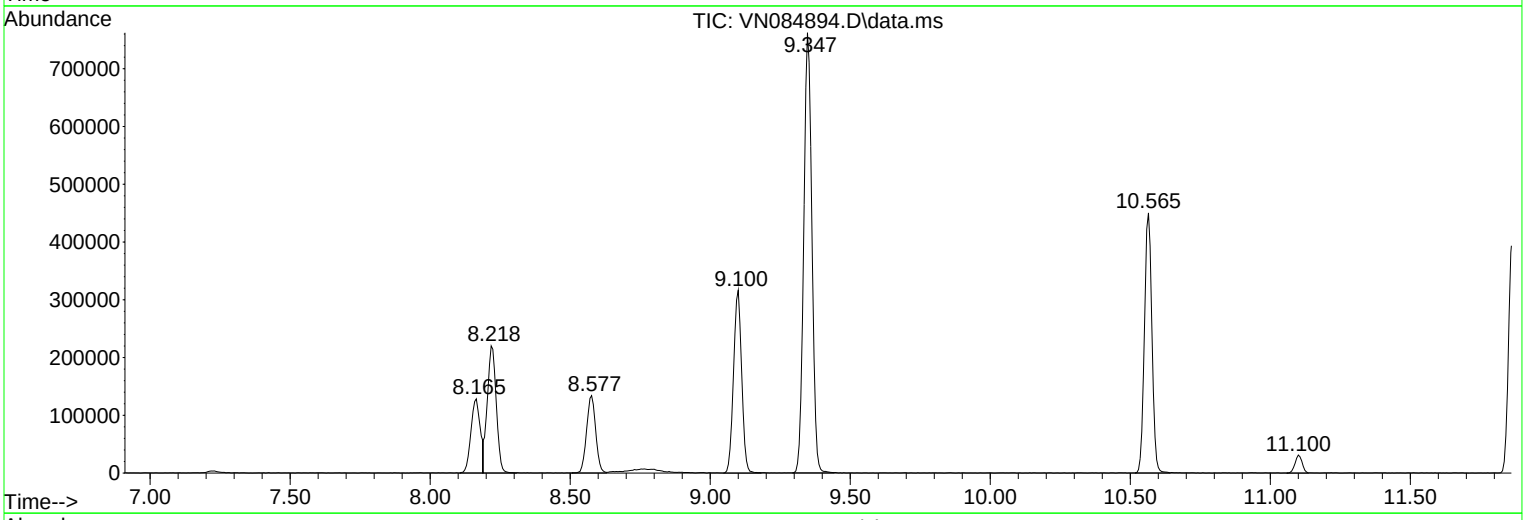
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084894.D
Acq On : 17 Nov 2024 14:48
Operator : JC\MD
Sample : P4845-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

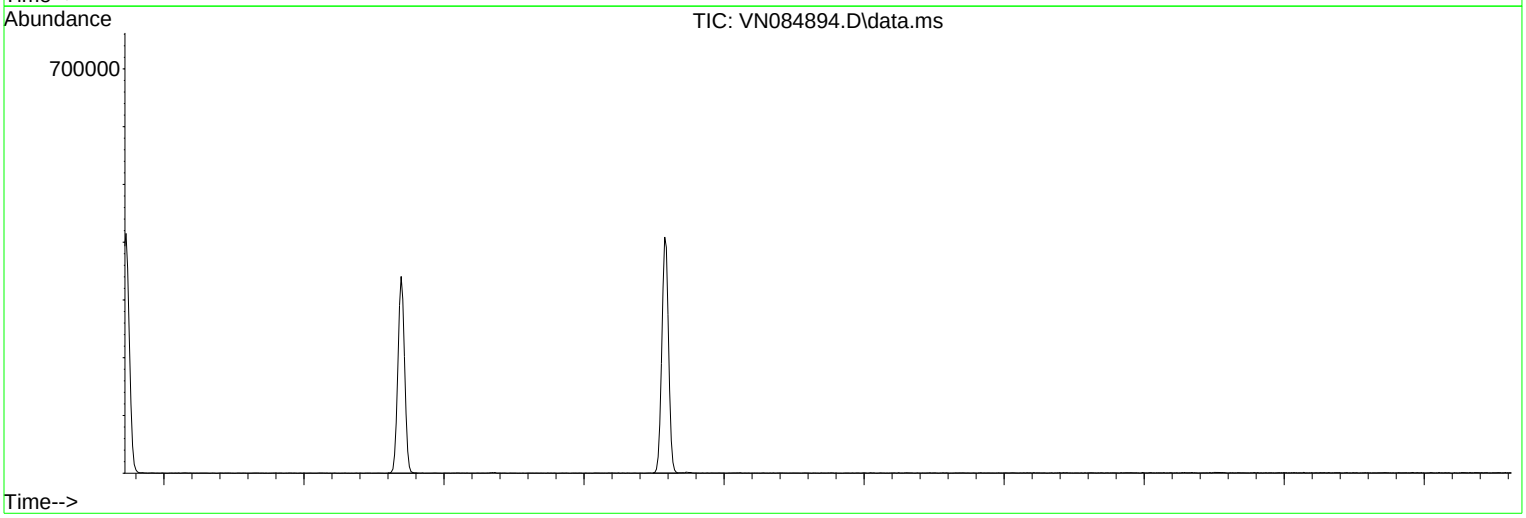
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-22R-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084894.D
Acq On : 17 Nov 2024 14:48
Operator : JC\MD
Sample : P4845-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-22R-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084894.D
Acq On : 17 Nov 2024 14:48
Operator : JC\MD
Sample : P4845-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-22R-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-22R-20241112DL	SDG No.:	P4845
Lab Sample ID:	P4845-04DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084943.D	5		11/19/24 13:41	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.50	UD	1.10	2.50	5.00	ug/L
74-87-3	Chloromethane	2.50	UD	1.80	2.50	5.00	ug/L
75-01-4	Vinyl Chloride	3.80	UD	1.70	3.80	5.00	ug/L
74-83-9	Bromomethane	18.8	UD	6.80	18.8	25.0	ug/L
75-00-3	Chloroethane	3.80	UD	2.80	3.80	5.00	ug/L
75-69-4	Trichlorofluoromethane	2.50	UD	1.70	2.50	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	UD	1.30	2.50	5.00	ug/L
75-35-4	1,1-Dichloroethene	3.80	UD	1.30	3.80	5.00	ug/L
67-64-1	Acetone	18.8	UD	7.00	18.8	25.0	ug/L
75-15-0	Carbon Disulfide	3.80	UD	1.60	3.80	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	2.50	UD	0.80	2.50	5.00	ug/L
79-20-9	Methyl Acetate	3.80	UD	3.00	3.80	5.00	ug/L
75-09-2	Methylene Chloride	2.50	UD	1.60	2.50	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	2.50	UD	1.30	2.50	5.00	ug/L
75-34-3	1,1-Dichloroethane	2.50	UD	1.20	2.50	5.00	ug/L
110-82-7	Cyclohexane	12.5	UD	8.10	12.5	25.0	ug/L
78-93-3	2-Butanone	12.5	UD	6.50	12.5	25.0	ug/L
56-23-5	Carbon Tetrachloride	2.50	UD	1.30	2.50	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	3.80	UD	1.30	3.80	5.00	ug/L
74-97-5	Bromochloromethane	2.50	UD	0.90	2.50	5.00	ug/L
67-66-3	Chloroform	2.50	UD	1.30	2.50	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	2.50	UD	0.95	2.50	5.00	ug/L
108-87-2	Methylcyclohexane	2.50	UD	0.95	2.50	5.00	ug/L
71-43-2	Benzene	2.50	UD	0.80	2.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	2.50	UD	1.20	2.50	5.00	ug/L
79-01-6	Trichloroethene	140	D	1.60	3.80	5.00	ug/L
78-87-5	1,2-Dichloropropane	2.50	UD	0.95	2.50	5.00	ug/L
75-27-4	Bromodichloromethane	2.50	UD	1.20	2.50	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	12.5	UD	3.80	12.5	25.0	ug/L
108-88-3	Toluene	2.50	UD	0.90	2.50	5.00	ug/L

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-22R-20241112DL	SDG No.:	P4845
Lab Sample ID:	P4845-04DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084943.D	5		11/19/24 13:41	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	2.50	UD	1.10	2.50	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	2.50	UD	0.90	2.50	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	2.50	UD	1.10	2.50	5.00	ug/L
591-78-6	2-Hexanone	12.5	UD	5.70	12.5	25.0	ug/L
124-48-1	Dibromochloromethane	2.50	UD	0.90	2.50	5.00	ug/L
106-93-4	1,2-Dibromoethane	2.50	UD	0.80	2.50	5.00	ug/L
127-18-4	Tetrachloroethene	4.10	JD	1.30	2.50	5.00	ug/L
108-90-7	Chlorobenzene	2.50	UD	0.65	2.50	5.00	ug/L
100-41-4	Ethyl Benzene	2.50	UD	0.80	2.50	5.00	ug/L
179601-23-1	m/p-Xylenes	5.00	UD	1.60	5.00	10.0	ug/L
95-47-6	o-Xylene	2.50	UD	0.70	2.50	5.00	ug/L
100-42-5	Styrene	2.50	UD	0.80	2.50	5.00	ug/L
75-25-2	Bromoform	2.50	UD	1.10	2.50	5.00	ug/L
98-82-8	Isopropylbenzene	2.50	UD	0.65	2.50	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.50	UD	1.40	2.50	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	2.50	UD	1.20	2.50	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	2.50	UD	1.40	2.50	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	2.50	UD	0.95	2.50	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	3.80	UD	2.30	3.80	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	2.50	UD	2.10	2.50	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	3.80	UD	2.60	3.80	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.9		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	48.2		80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	46.5		89 - 112		93%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.1		85 - 114		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	185000	8.224				
540-36-3	1,4-Difluorobenzene	330000	9.1				
3114-55-4	Chlorobenzene-d5	289000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	124000	13.788				

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Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-22R-20241112DL	SDG No.:	P4845
Lab Sample ID:	P4845-04DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084943.D	5		11/19/24 13:41	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084943.D
Acq On : 19 Nov 2024 13:41
Operator : JC\MD
Sample : P4845-04DL 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-22R-20241112DL

Quant Time: Nov 20 00:28:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

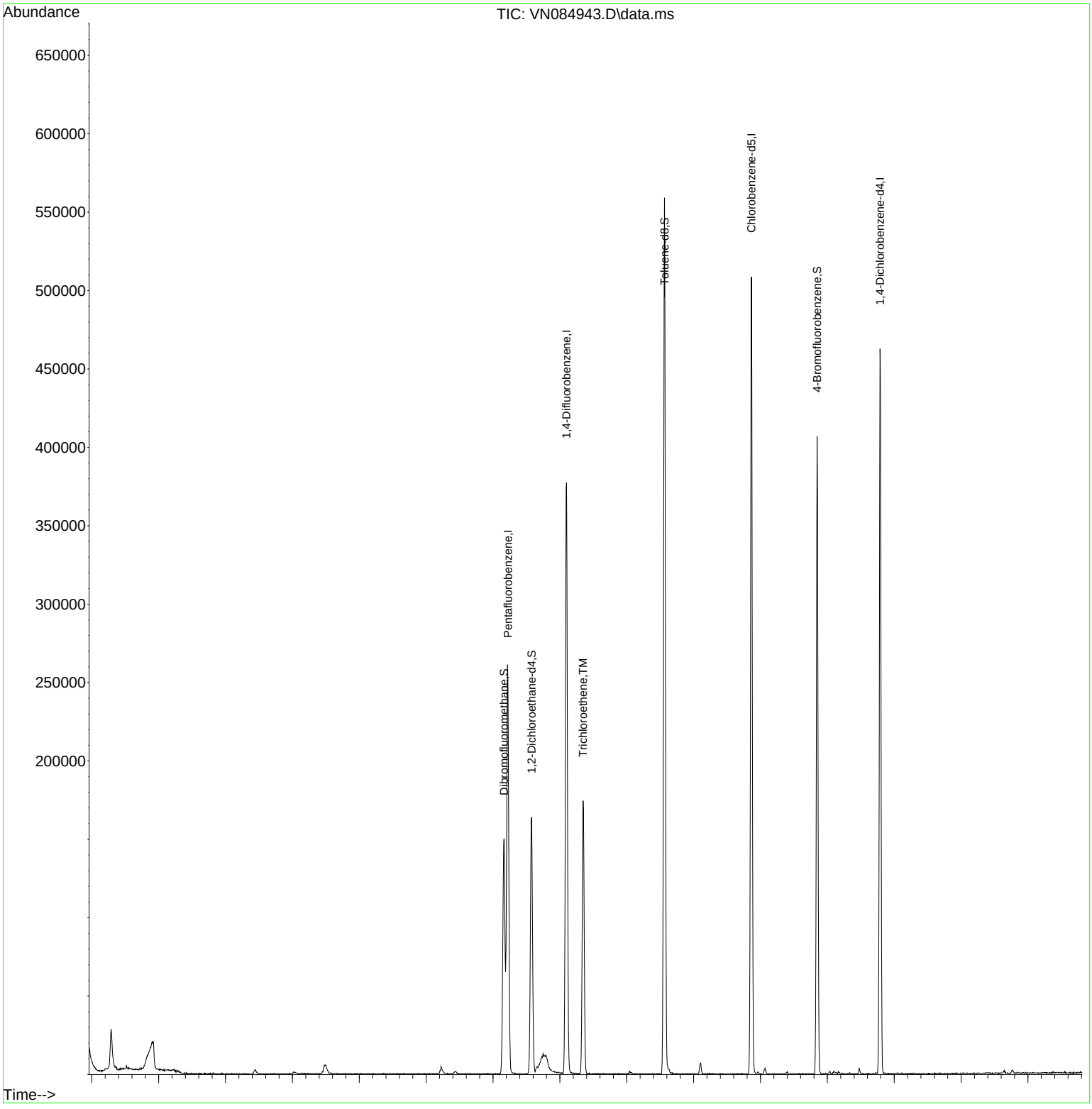
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	185321	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	330213	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	288531	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	124157	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	136208	50.887	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.780%			
35) Dibromofluoromethane	8.165	113	107837	48.246	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.500%			
50) Toluene-d8	10.565	98	382722	46.483	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.960%			
62) 4-Bromofluorobenzene	12.847	95	141731	46.059	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.120%			
Target Compounds						Qvalue
44) Trichloroethene	9.347	130	62034	27.020	ug/l	99
64) Tetrachloroethene	11.106	164	1591	0.829	ug/l	91

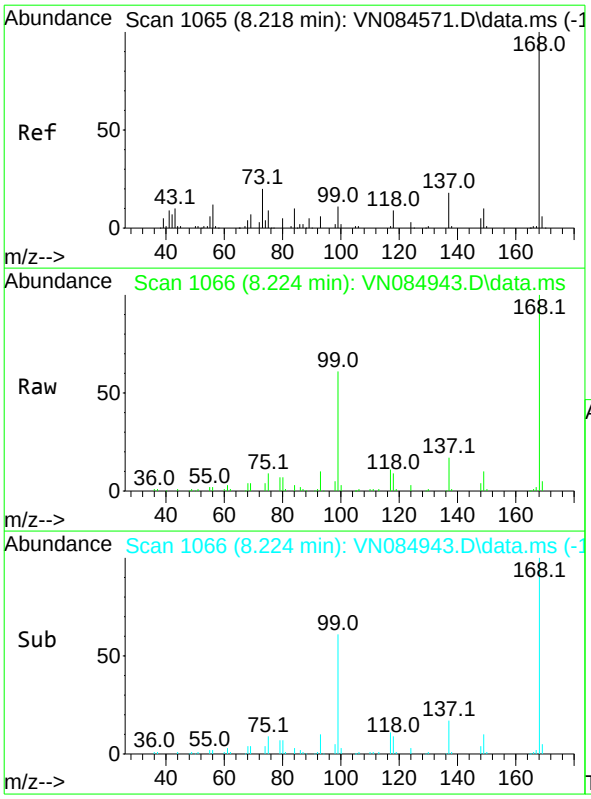
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084943.D
Acq On : 19 Nov 2024 13:41
Operator : JC\MD
Sample : P4845-04DL 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-22R-20241112DL

Quant Time: Nov 20 00:28:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



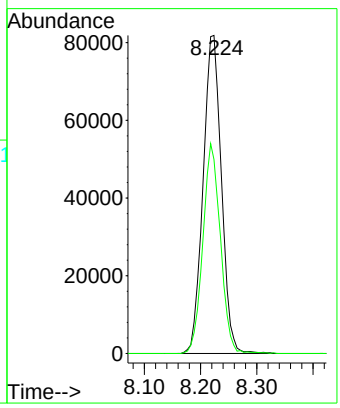


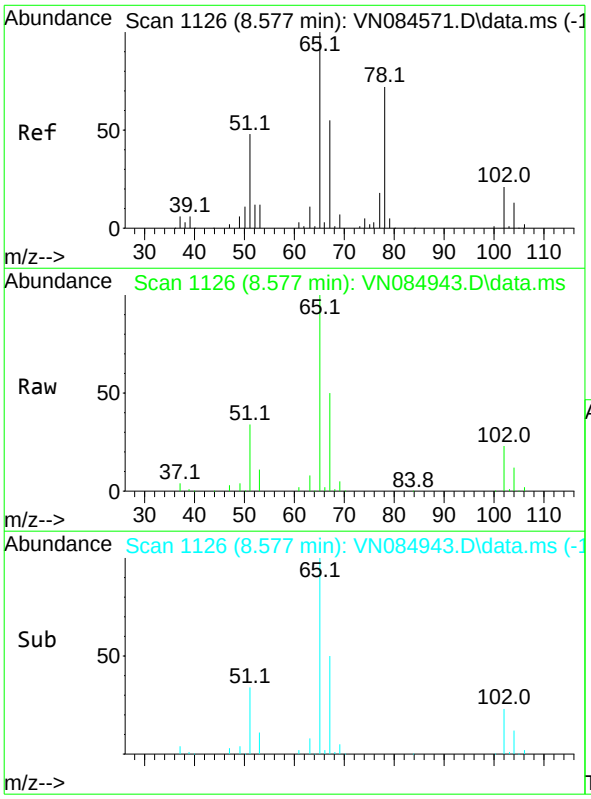
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084943.D
Acq: 19 Nov 2024 13:41

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-22R-20241112DL

Tgt Ion:168 Resp: 185321

Ion	Ratio	Lower	Upper
168	100		
99	61.0	54.2	81.2

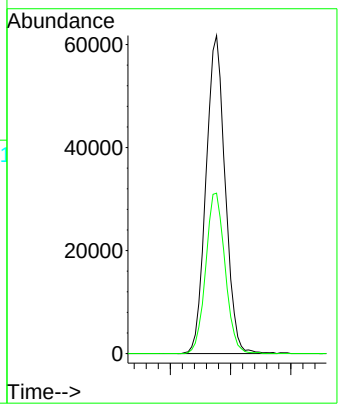


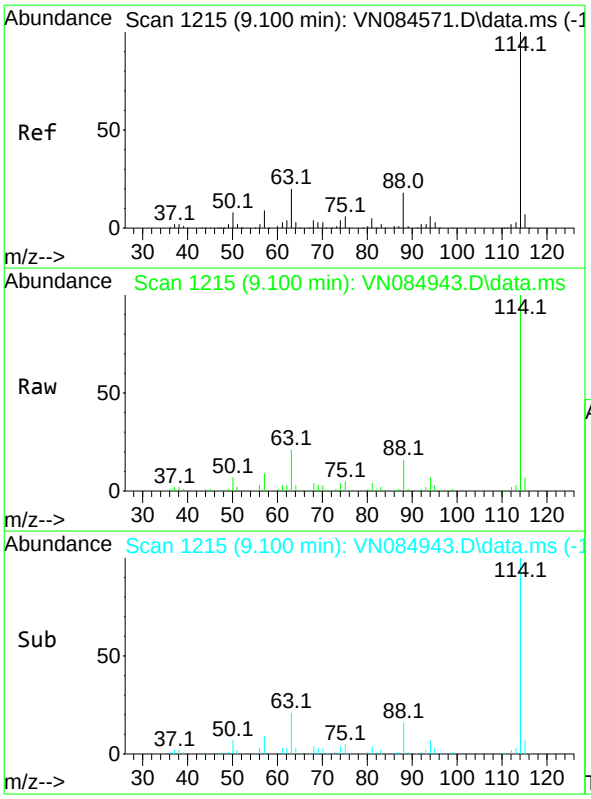


#33
1,2-Dichloroethane-d4
Concen: 50.887 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084943.D
Acq: 19 Nov 2024 13:41

Tgt Ion: 65 Resp: 136208

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	102.0



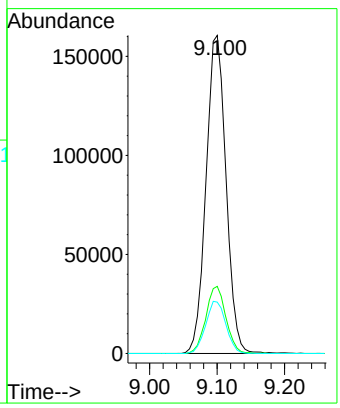


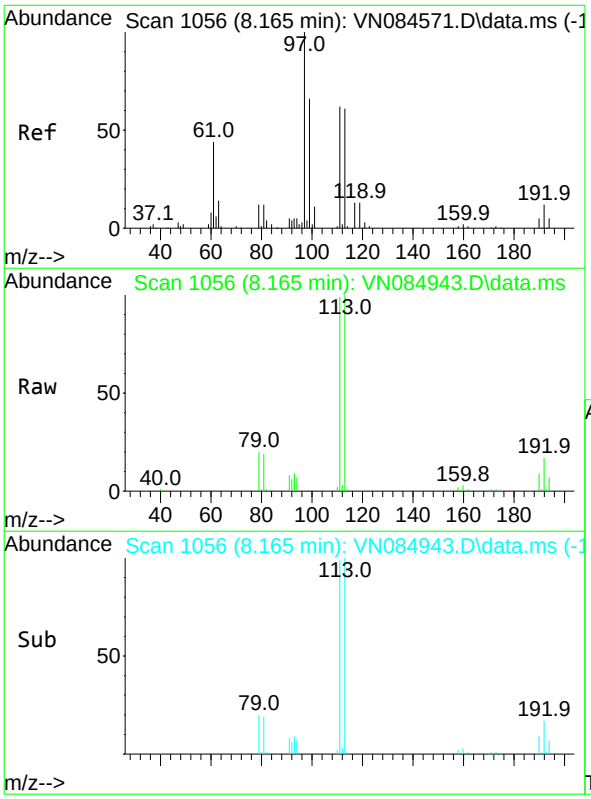
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084943.D
Acq: 19 Nov 2024 13:41

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-22R-20241112DL

Tgt Ion:114 Resp: 330213

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	43.8
88	16.2	0.0	31.6

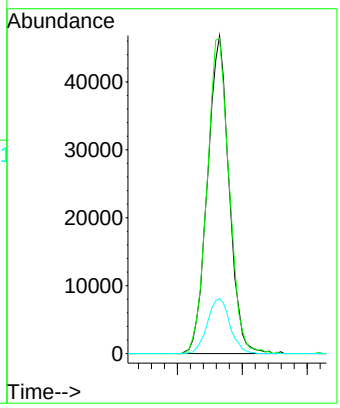


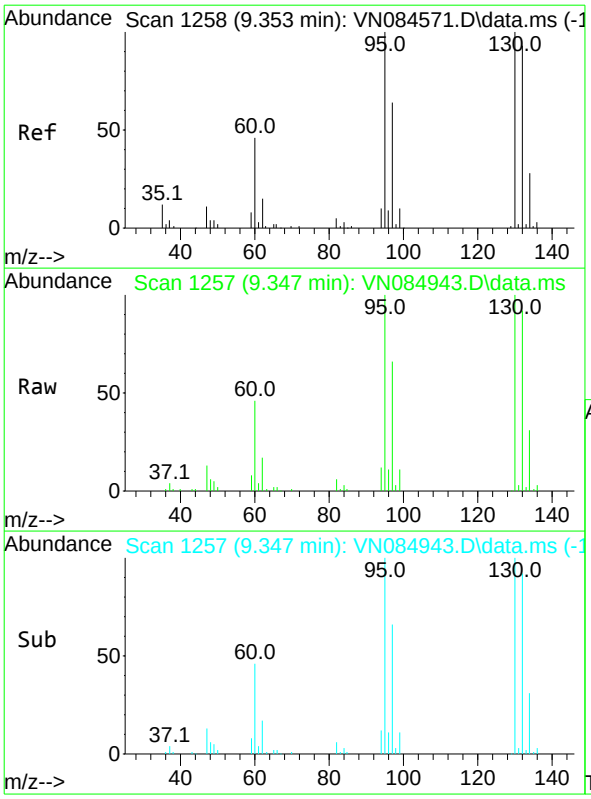


#35
Dibromofluoromethane
Concen: 48.246 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084943.D
Acq: 19 Nov 2024 13:41

Tgt Ion:113 Resp: 107837

Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.3	124.9
192	18.1	13.5	20.3



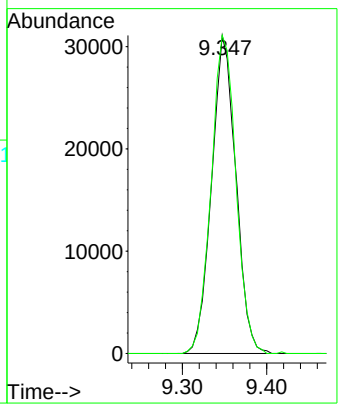


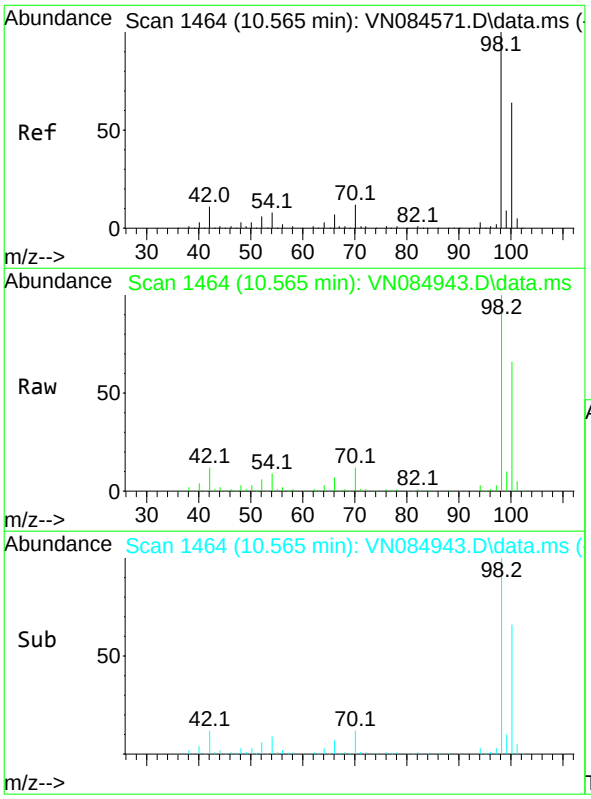
#44
Trichloroethene
Concen: 27.020 ug/l
RT: 9.347 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084943.D
Acq: 19 Nov 2024 13:41

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-22R-20241112DL

Tgt Ion:130 Resp: 62034

Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	203.0

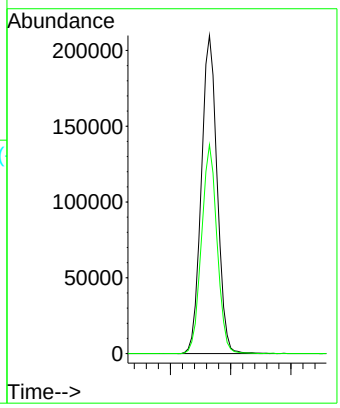


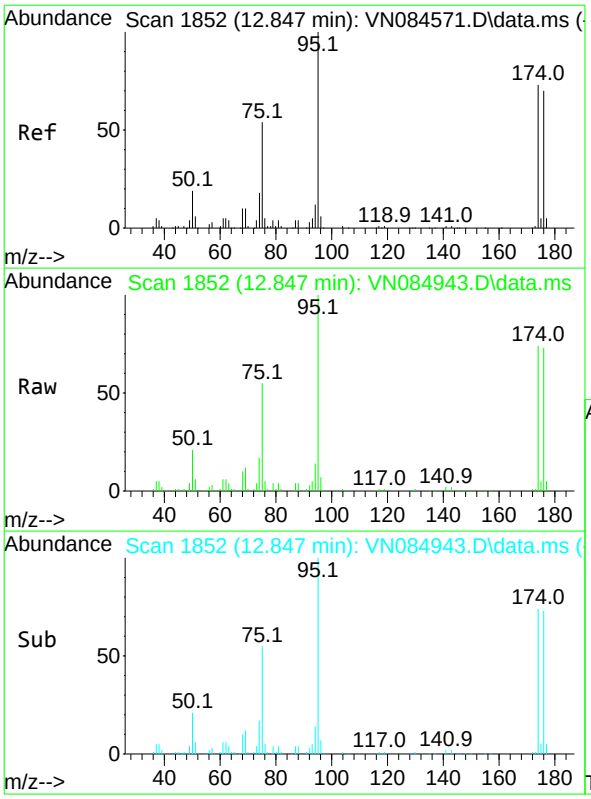


#50
Toluene-d8
Concen: 46.483 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084943.D
Acq: 19 Nov 2024 13:41

Tgt Ion: 98 Resp: 382722

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.7	79.1



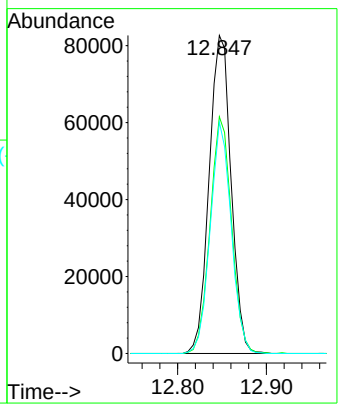


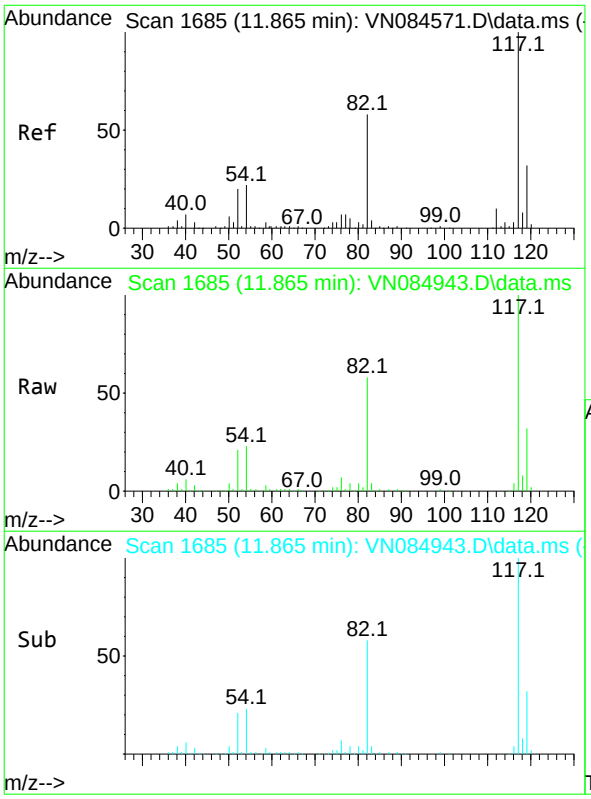
#62
4-Bromofluorobenzene
Concen: 46.059 ug/l
RT: 12.847 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084943.D
Acq: 19 Nov 2024 13:41

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-22R-20241112DL

Tgt Ion: 95 Resp: 141731

Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	145.2
176	69.4	0.0	140.0

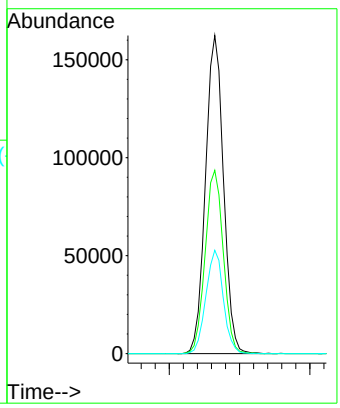


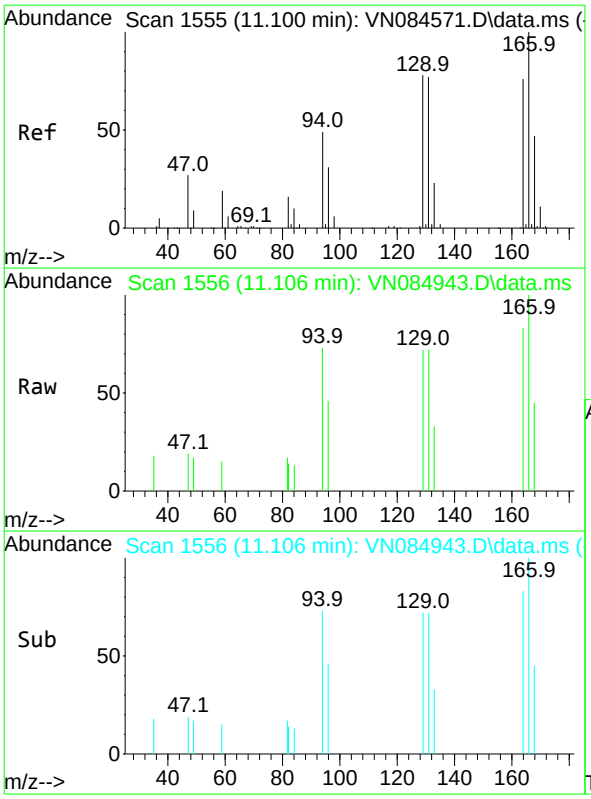


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084943.D
Acq: 19 Nov 2024 13:41

Tgt Ion:117 Resp: 288531

Ion	Ratio	Lower	Upper
117	100		
82	57.6	47.2	70.8
119	32.5	25.4	38.0



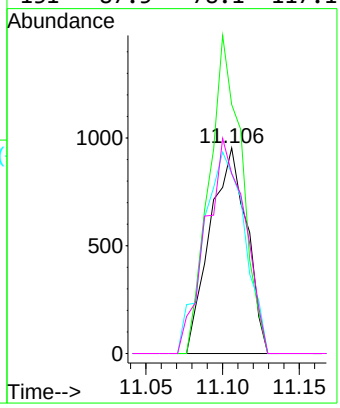


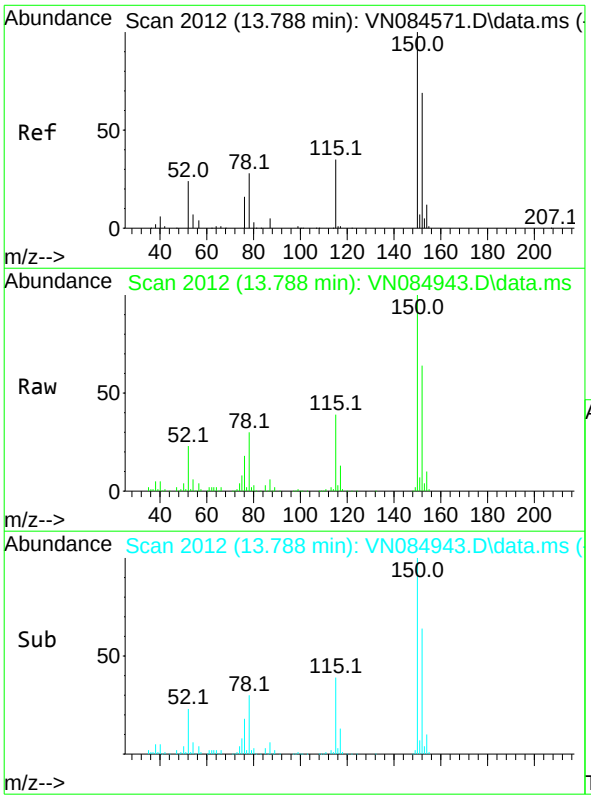
#64
Tetrachloroethene
Concen: 0.829 ug/l
RT: 11.106 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084943.D
Acq: 19 Nov 2024 13:41

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-22R-20241112DL

Tgt Ion:164 Resp: 1591

Ion	Ratio	Lower	Upper
164	100		
166	121.1	101.0	151.4
129	87.5	80.8	121.2
131	87.5	78.1	117.1

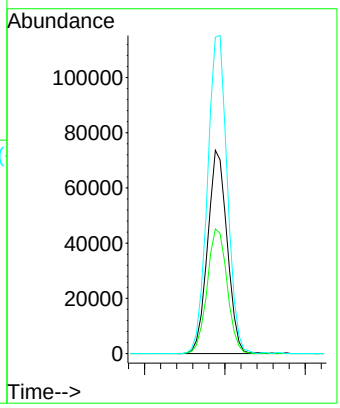




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084943.D
Acq: 19 Nov 2024 13:41

Tgt Ion:152 Resp: 124157

Ion	Ratio	Lower	Upper
152	100		
115	62.8	31.3	93.9
150	158.4	0.0	349.8



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-23-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084906.D	1		11/17/24 19:37	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.56	J	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-23-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084906.D	1		11/17/24 19:37	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.1		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	46.3		89 - 112		93%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.9		85 - 114		90%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	155000	8.224				
540-36-3	1,4-Difluorobenzene	269000	9.1				
3114-55-4	Chlorobenzene-d5	237000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	104000	13.788				

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-23-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084906.D	1		11/17/24 19:37	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084906.D
Acq On : 17 Nov 2024 19:37
Operator : JC\MD
Sample : P4845-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112

Quant Time: Nov 18 00:26:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

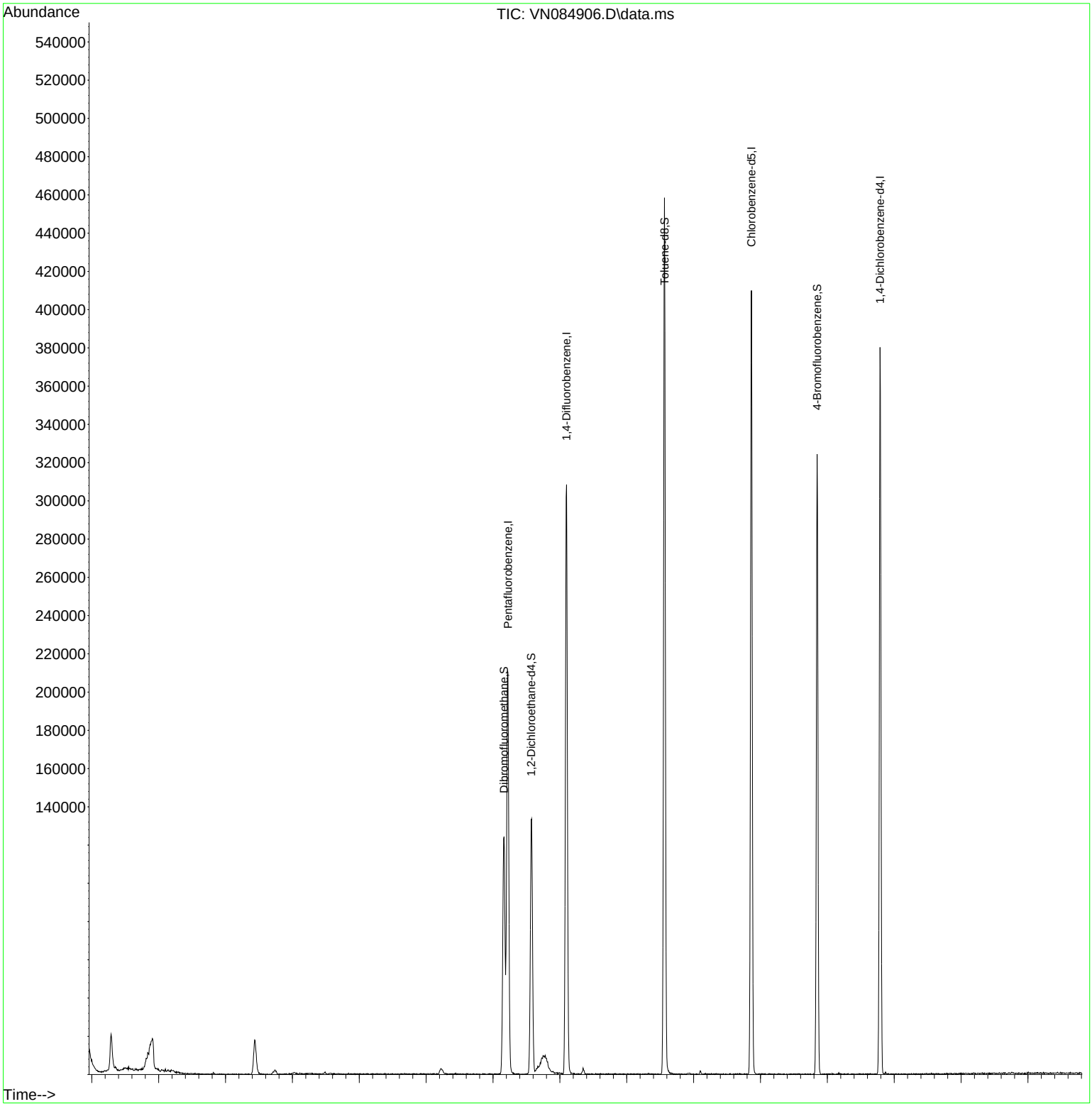
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	154852	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	269354	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	237356	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	103680	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	112107	50.124	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.240%			
35) Dibromofluoromethane	8.165	113	91439	50.153	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.300%			
50) Toluene-d8	10.565	98	310621	46.250	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.500%			
62) 4-Bromofluorobenzene	12.847	95	112626	44.871	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.740%			
Target Compounds						Qvalue
44) Trichloroethene	9.359	130	1056	0.564	ug/l	98

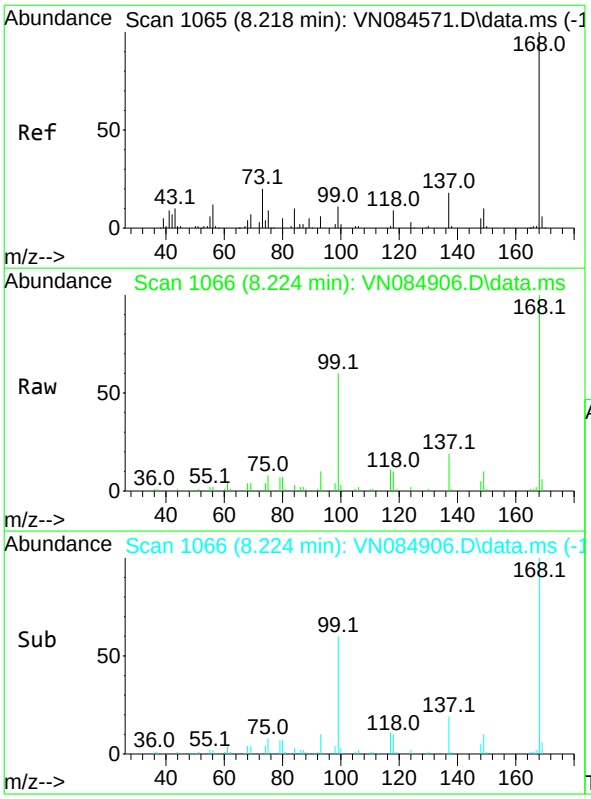
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084906.D
Acq On : 17 Nov 2024 19:37
Operator : JC\MD
Sample : P4845-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112

Quant Time: Nov 18 00:26:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



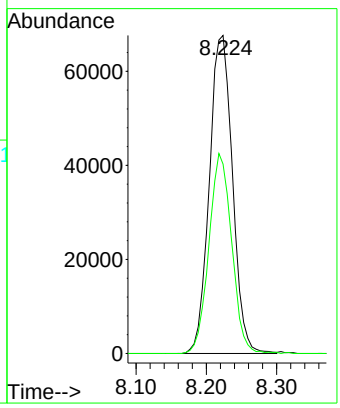


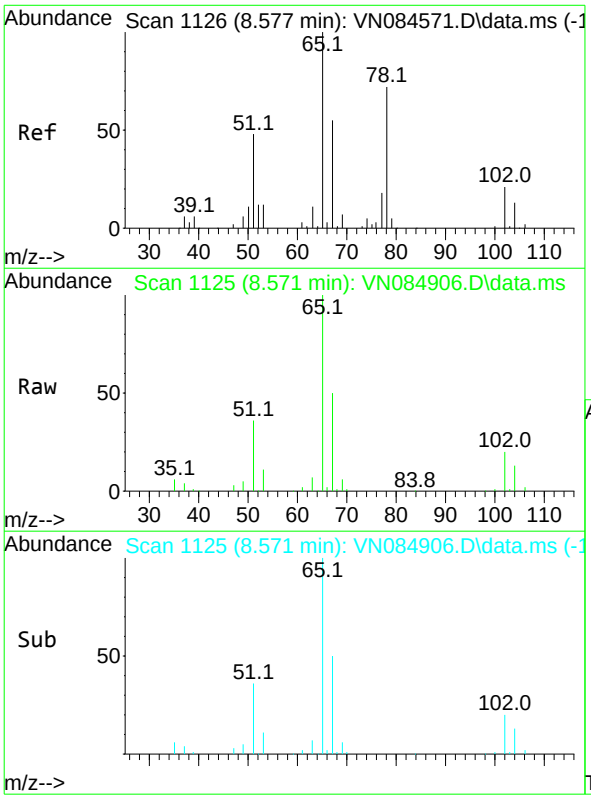
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084906.D
Acq: 17 Nov 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112

Tgt Ion:168 Resp: 154852

Ion	Ratio	Lower	Upper
168	100		
99	59.5	54.2	81.2

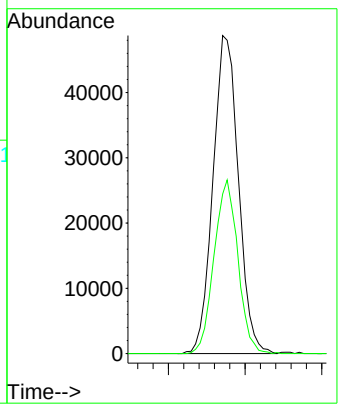


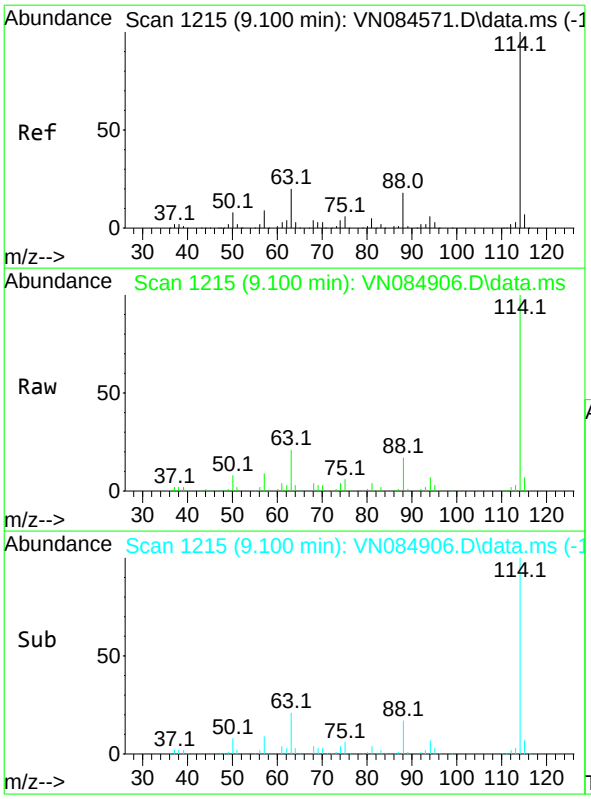


#33
1,2-Dichloroethane-d4
Concen: 50.124 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN084906.D
Acq: 17 Nov 2024 19:37

Tgt Ion: 65 Resp: 112107

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	102.0



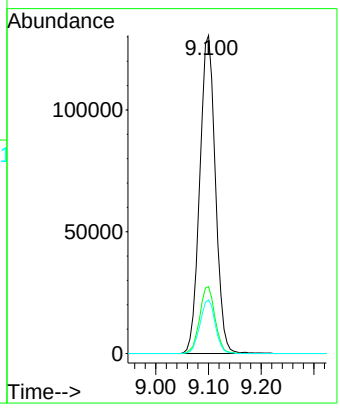


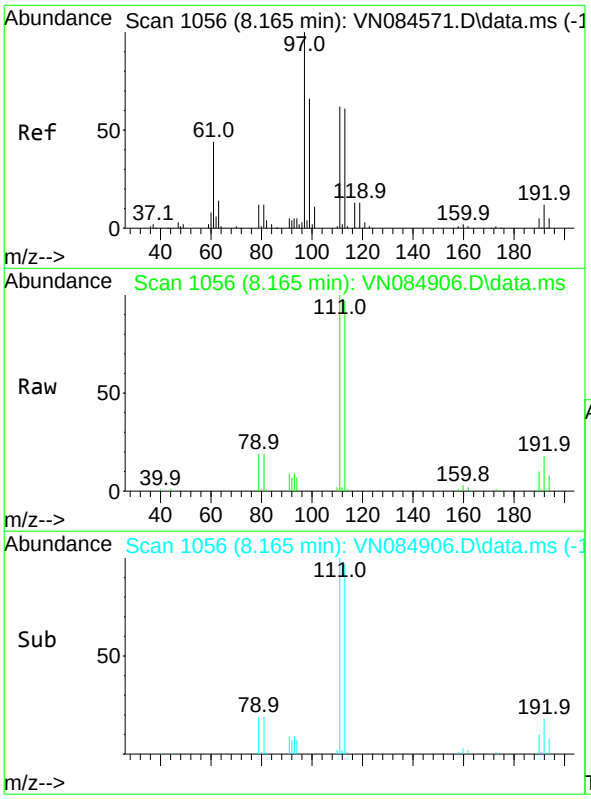
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084906.D
Acq: 17 Nov 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112

Tgt Ion:114 Resp: 269354

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.8
88	16.8	0.0	31.6

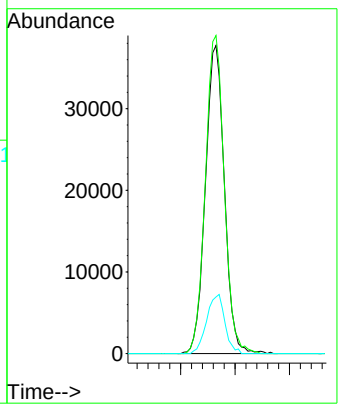


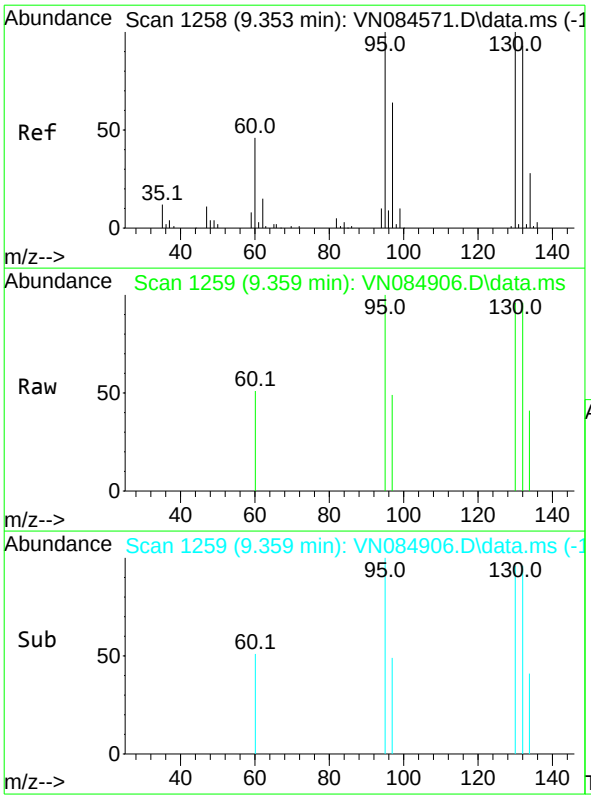


#35
Dibromofluoromethane
Concen: 50.153 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084906.D
Acq: 17 Nov 2024 19:37

Tgt Ion:113 Resp: 91439

Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.3	124.9
192	18.4	13.5	20.3



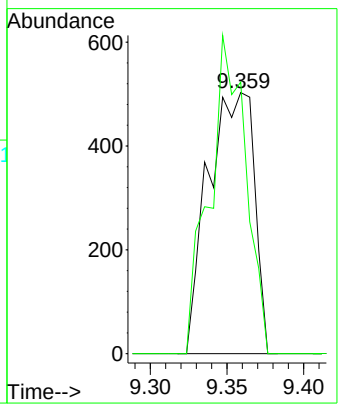


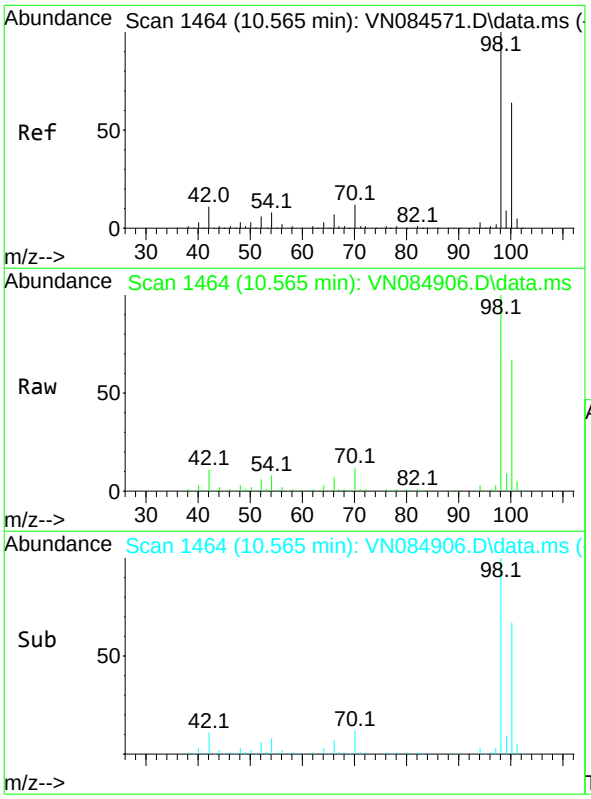
#44
Trichloroethene
Concen: 0.564 ug/l
RT: 9.359 min Scan# 12
Delta R.T. 0.012 min
Lab File: VN084906.D
Acq: 17 Nov 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112

Tgt Ion:130 Resp: 1056

Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	203.0

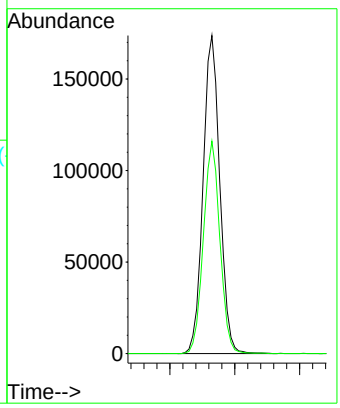


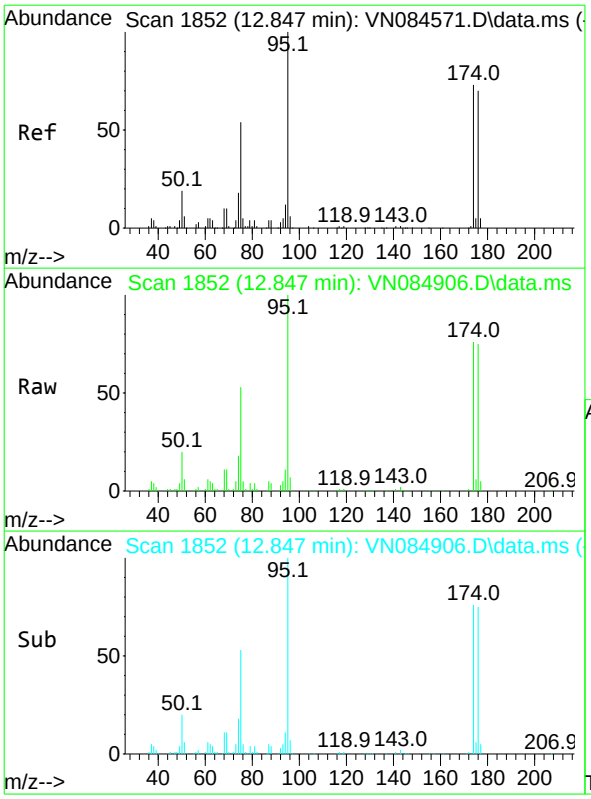


#50
Toluene-d8
Concen: 46.250 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084906.D
Acq: 17 Nov 2024 19:37

Tgt Ion: 98 Resp: 310621

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.7	79.1



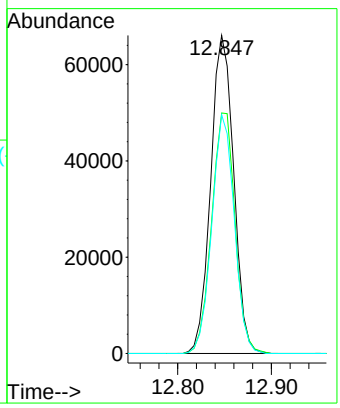


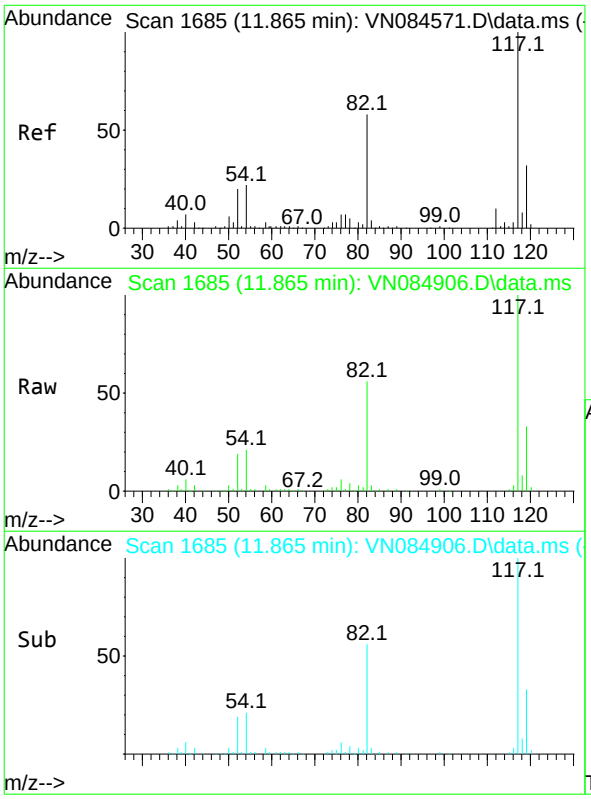
#62
4-Bromofluorobenzene
Concen: 44.871 ug/l
RT: 12.847 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084906.D
Acq: 17 Nov 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112

Tgt Ion: 95 Resp: 112626

Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	145.2
176	73.4	0.0	140.0

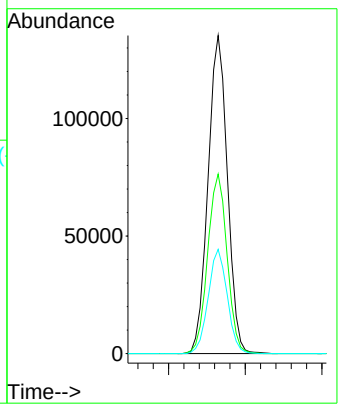


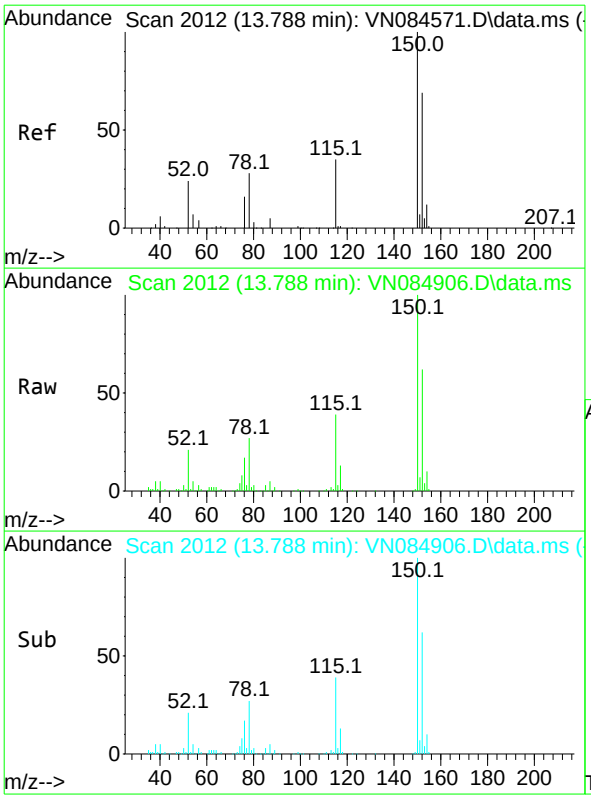


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084906.D
Acq: 17 Nov 2024 19:37

Tgt Ion:117 Resp: 237356

Ion	Ratio	Lower	Upper
117	100		
82	56.5	47.2	70.8
119	32.8	25.4	38.0



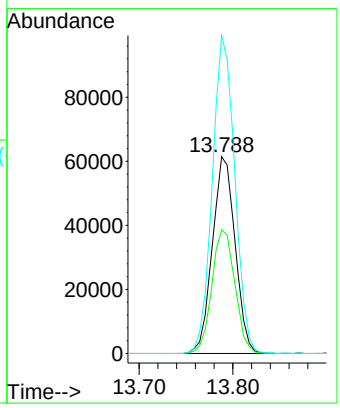


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084906.D
Acq: 17 Nov 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112

Tgt Ion:152 Resp: 103680

Ion	Ratio	Lower	Upper
152	100		
115	63.5	31.3	93.9
150	159.6	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084906.D
Acq On : 17 Nov 2024 19:37
Operator : JC\MD
Sample : P4845-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084906.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.289	50	57	66	rBV2	18654	44094	5.37%	0.957%
2	2.906	153	162	171	rVB6	15888	58626	7.14%	1.272%
3	4.436	412	422	433	rBV	18121	51145	6.23%	1.110%
4	7.224	889	896	907	rBV3	2854	9015	1.10%	0.196%
5	8.165	1046	1056	1060	rBV2	124185	297075	36.19%	6.448%
6	8.218	1060	1065	1079	rVB	210651	480324	58.52%	10.425%
7	8.577	1114	1126	1134	rBV	133526	300736	36.64%	6.527%
8	8.730	1146	1152	1154	rBV3	4495	8292	1.01%	0.180%
9	9.100	1206	1215	1226	rBV	308378	632317	77.04%	13.724%
10	10.565	1452	1464	1477	rBV	458355	820801	100.00%	17.815%
11	11.865	1675	1685	1698	rVB	409875	719427	87.65%	15.615%
12	12.847	1845	1852	1861	rVB	324232	544609	66.35%	11.821%
13	13.788	2004	2012	2022	rBV	380166	640845	78.08%	13.909%

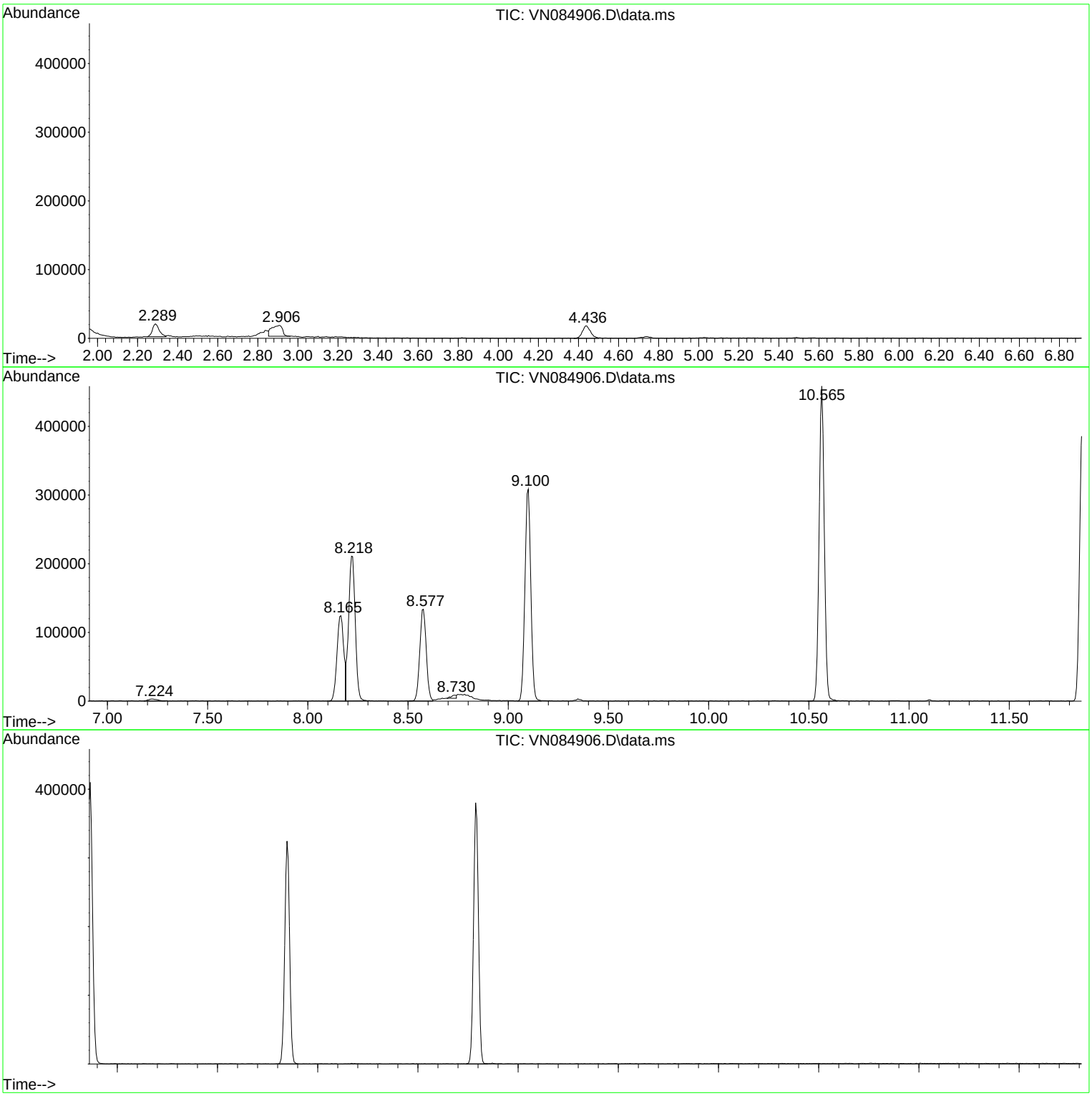
Sum of corrected areas: 4607306

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084906.D
Acq On : 17 Nov 2024 19:37
Operator : JC\MD
Sample : P4845-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084906.D
Acq On : 17 Nov 2024 19:37
Operator : JC\MD
Sample : P4845-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084906.D
Acq On : 17 Nov 2024 19:37
Operator : JC\MD
Sample : P4845-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-35-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-08	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084953.D	1		11/19/24 17:40	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	30.3		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-35-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-08	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084953.D	1		11/19/24 17:40	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.7		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	47.3		80 - 119		95%	SPK: 50
2037-26-5	Toluene-d8	44.8		89 - 112		90%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.5		85 - 114		93%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	192000	8.218				
540-36-3	1,4-Difluorobenzene	351000	9.1				
3114-55-4	Chlorobenzene-d5	295000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	134000	13.788				
TENTATIVE IDENTIFIED COMPOUNDS							

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-35-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-08	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084953.D	1		11/19/24 17:40	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	8.10	J			2.28	ug/L
000064-19-7	Acetic acid	7.30	J			8.73	ug/L
91-20-3	Naphthalene	3.70	J			15.6	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084953.D
Acq On : 19 Nov 2024 17:40
Operator : JC\MD
Sample : P4845-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-35-20241112

Quant Time: Nov 20 00:32:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

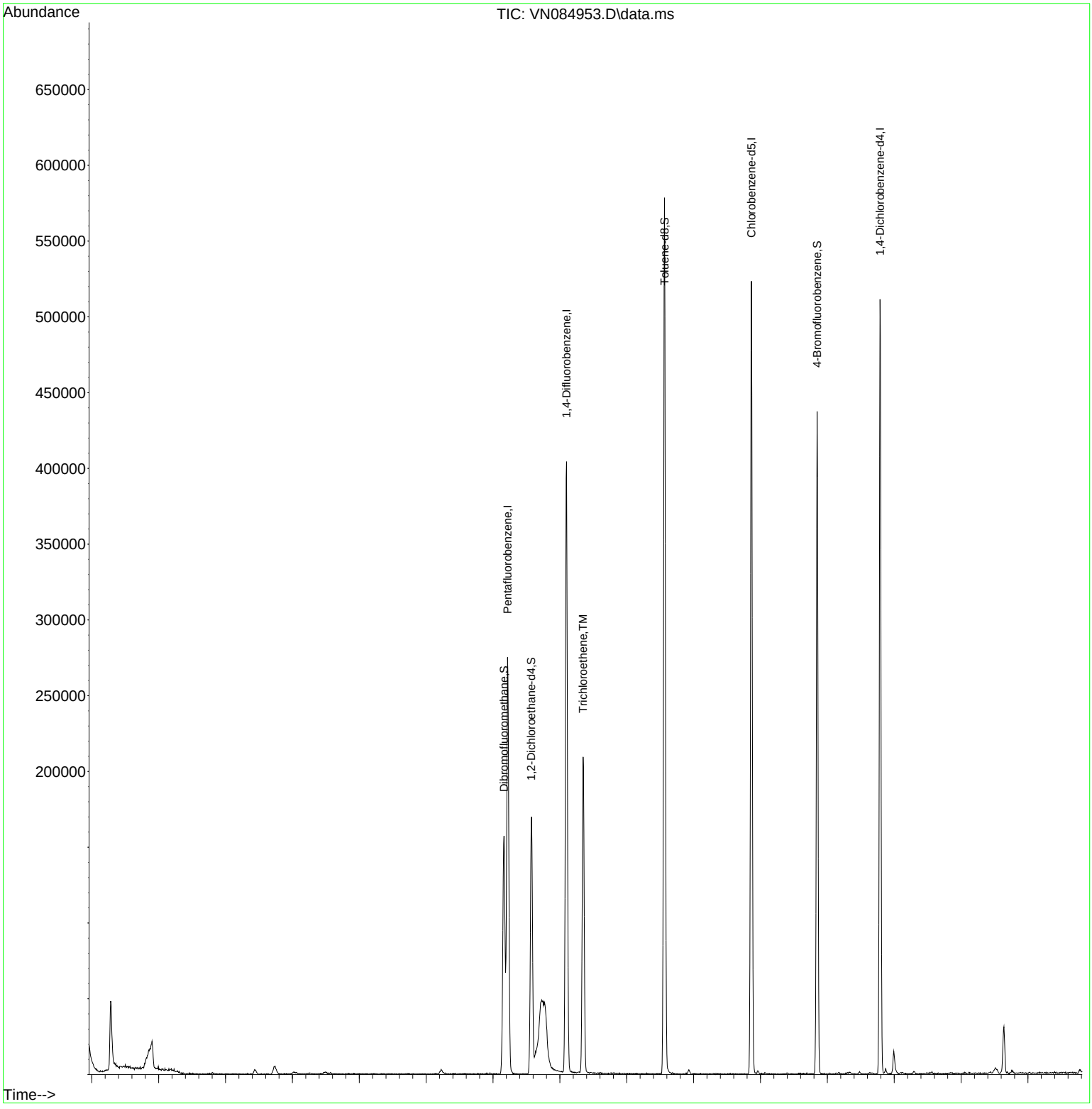
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	192374	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	350960	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	295369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	134441	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	143606	51.684	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.360%			
35) Dibromofluoromethane	8.165	113	112351	47.294	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.580%			
50) Toluene-d8	10.565	98	392268	44.826	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 89.660%			
62) 4-Bromofluorobenzene	12.847	95	152010	46.479	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.960%			
Target Compounds						Qvalue
16) Acetone	4.436	43	2531	0.304	ug/l #	77
44) Trichloroethene	9.347	130	74043	30.344	ug/l	99
95) Naphthalene	15.641	128	28882	3.712	ug/l	100

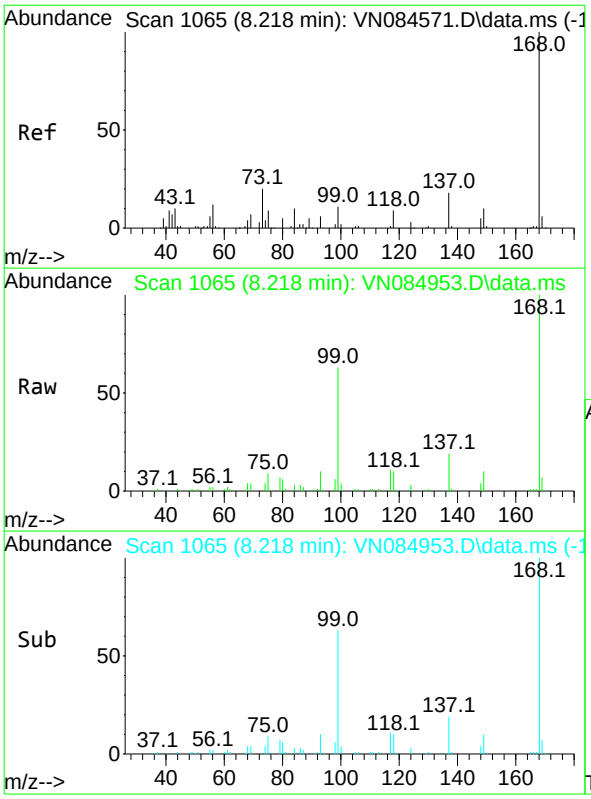
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084953.D
Acq On : 19 Nov 2024 17:40
Operator : JC\MD
Sample : P4845-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-35-20241112

Quant Time: Nov 20 00:32:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



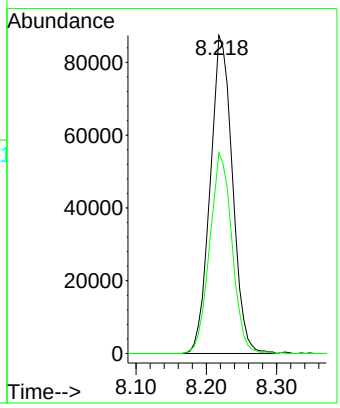


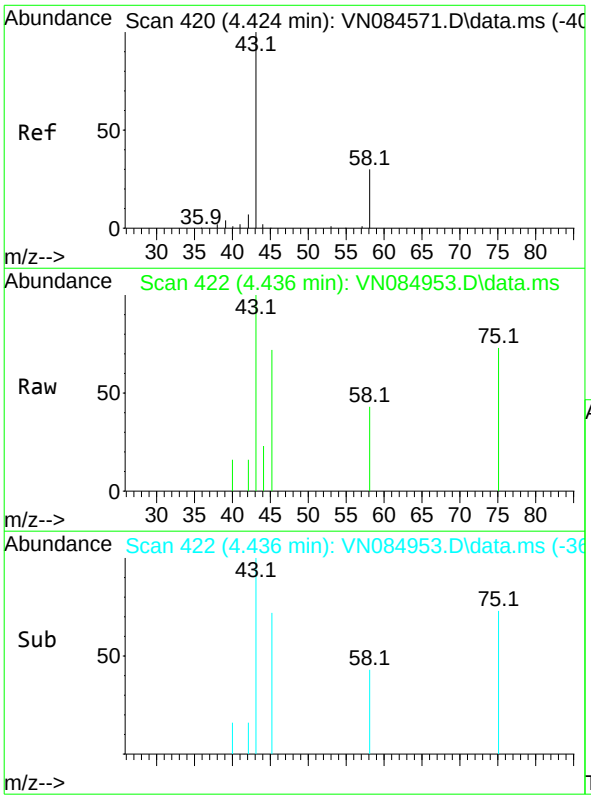
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084953.D
Acq: 19 Nov 2024 17:40

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-35-20241112

Tgt Ion:168 Resp: 192374

Ion	Ratio	Lower	Upper
168	100		
99	63.2	54.2	81.2

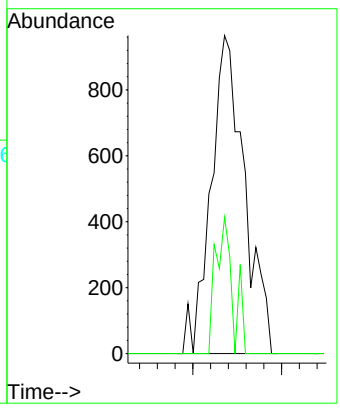


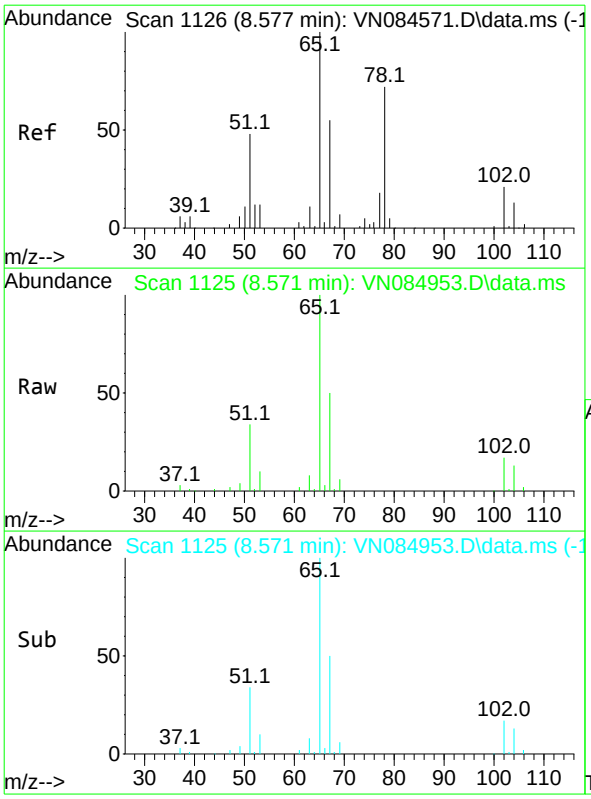


#16
Acetone
Concen: 0.304 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN084953.D
Acq: 19 Nov 2024 17:40

Tgt Ion: 43 Resp: 2531

Ion	Ratio	Lower	Upper
43	100		
58	42.9	24.4	36.6#



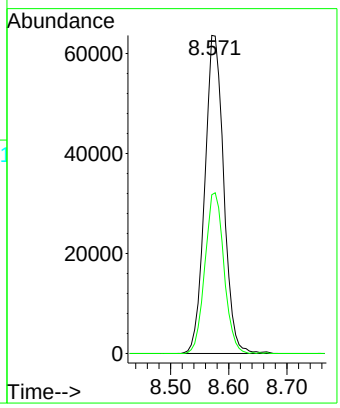


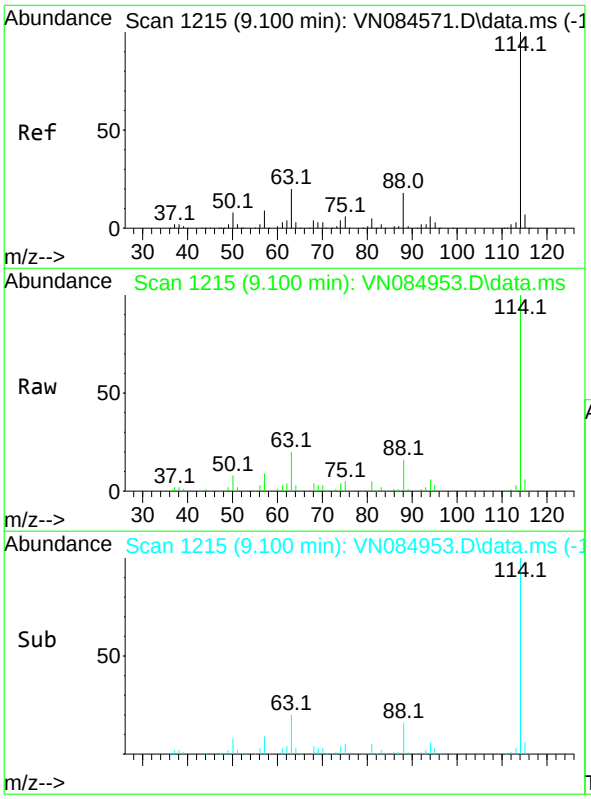
#33
1,2-Dichloroethane-d4
Concen: 51.684 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084953.D
Acq: 19 Nov 2024 17:40

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-35-20241112

Tgt Ion: 65 Resp: 143606

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	102.0

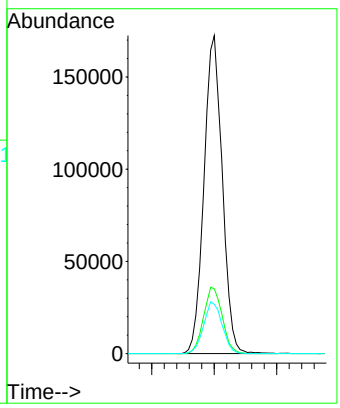


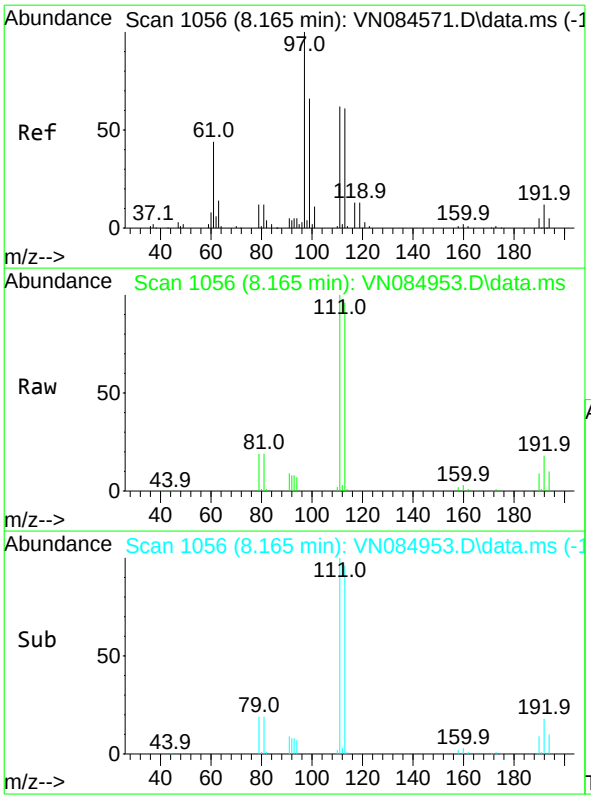


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084953.D
Acq: 19 Nov 2024 17:40

Tgt Ion:114 Resp: 350960

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	43.8
88	15.5	0.0	31.6



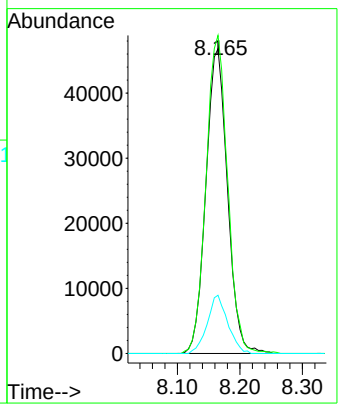


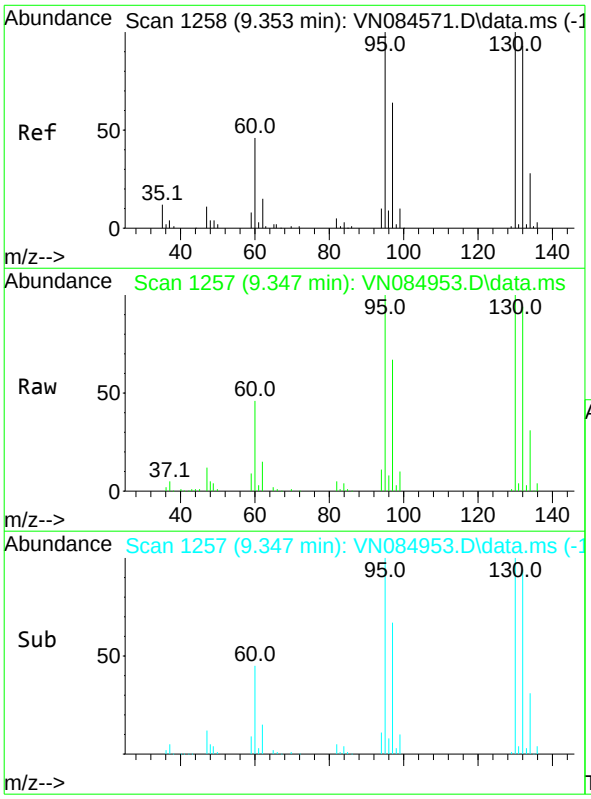
#35
Dibromofluoromethane
Concen: 47.294 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084953.D
Acq: 19 Nov 2024 17:40

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-35-20241112

Tgt Ion:113 Resp: 112351

Ion	Ratio	Lower	Upper
113	100		
111	104.3	83.3	124.9
192	18.2	13.5	20.3

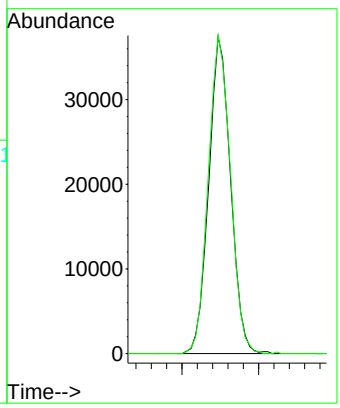


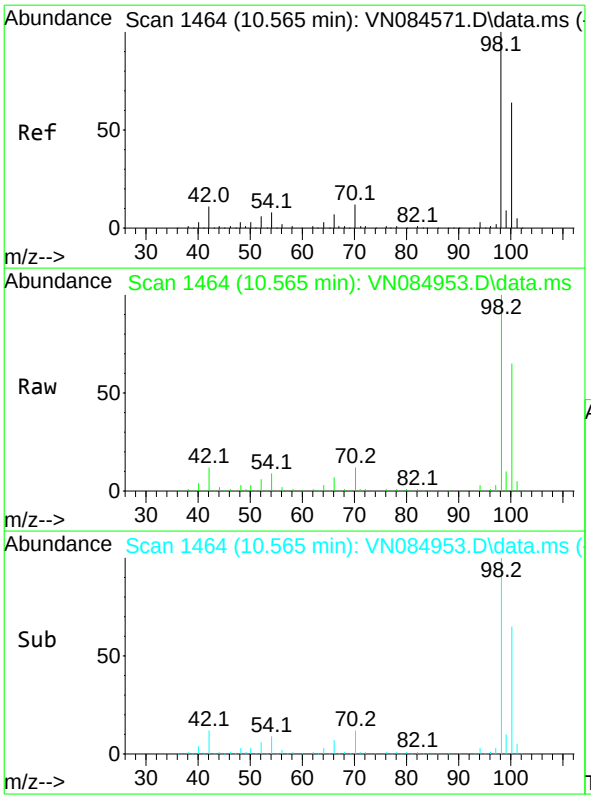


#44
Trichloroethene
Concen: 30.344 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084953.D
Acq: 19 Nov 2024 17:40

Tgt Ion:130 Resp: 74043

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	203.0



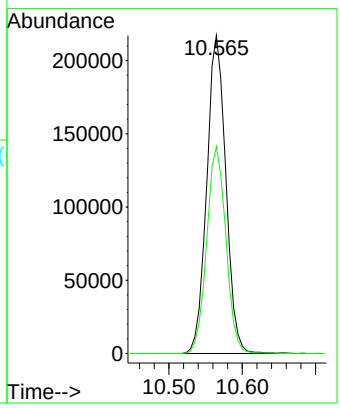


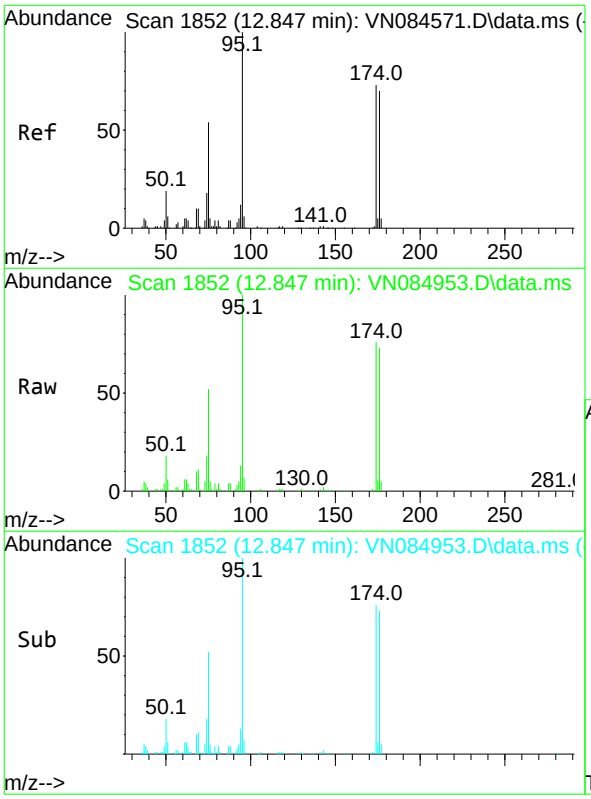
#50
Toluene-d8
Concen: 44.826 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084953.D
Acq: 19 Nov 2024 17:40

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-35-20241112

Tgt Ion: 98 Resp: 392268

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1

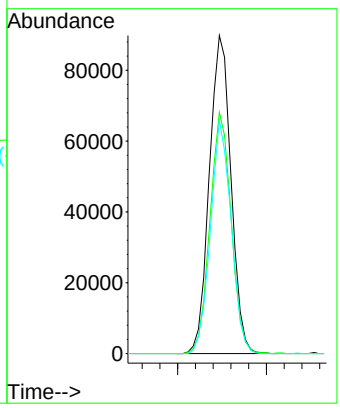


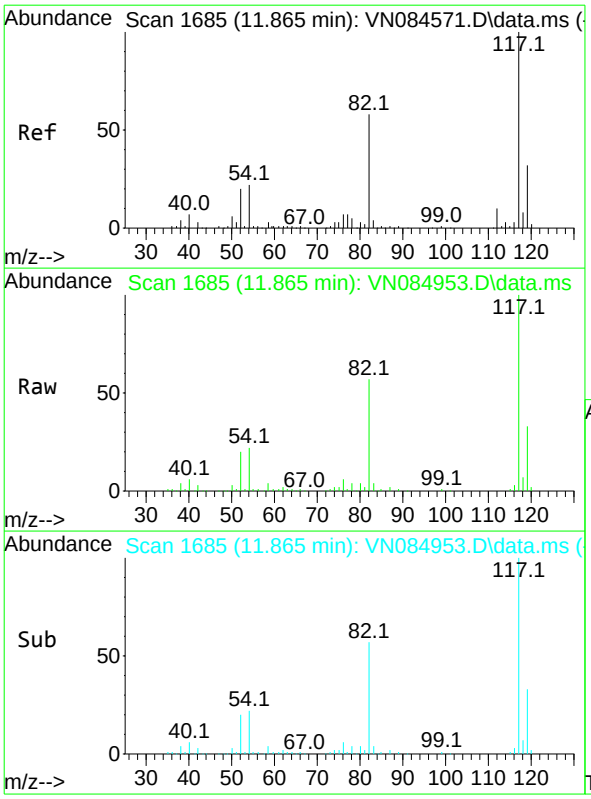


#62
4-Bromofluorobenzene
Concen: 46.479 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084953.D
Acq: 19 Nov 2024 17:40

Tgt Ion: 95 Resp: 152010

Ion	Ratio	Lower	Upper
95	100		
174	74.4	0.0	145.2
176	70.0	0.0	140.0



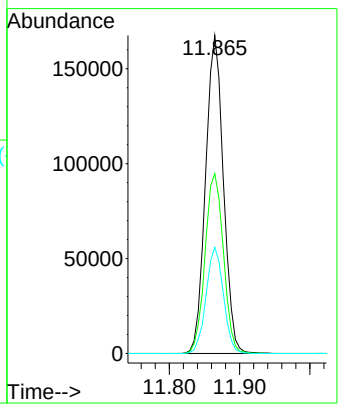


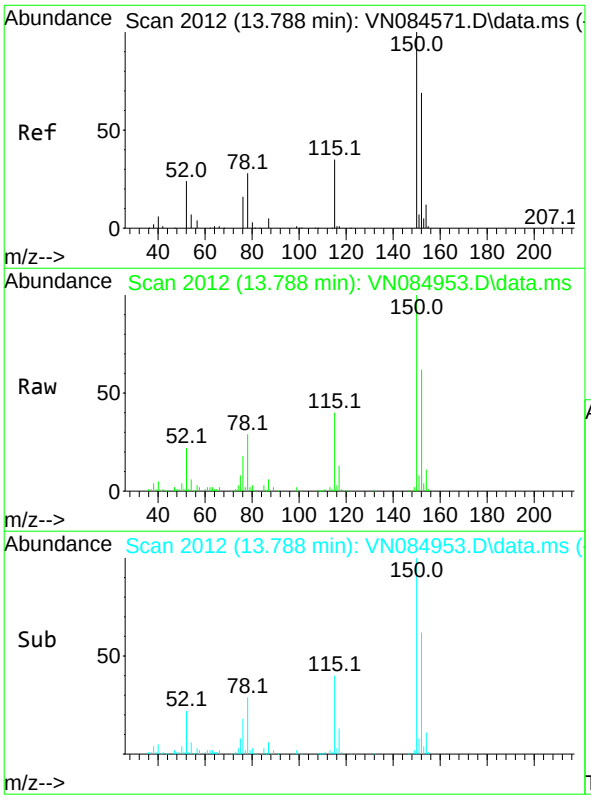
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084953.D
Acq: 19 Nov 2024 17:40

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-35-20241112

Tgt Ion:117 Resp: 295369

Ion	Ratio	Lower	Upper
117	100		
82	56.6	47.2	70.8
119	33.4	25.4	38.0

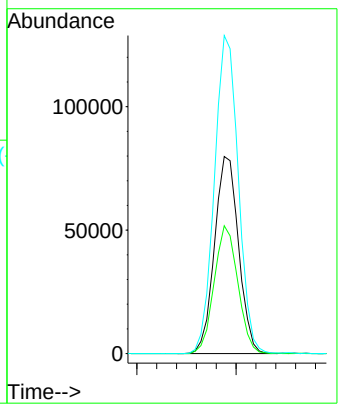


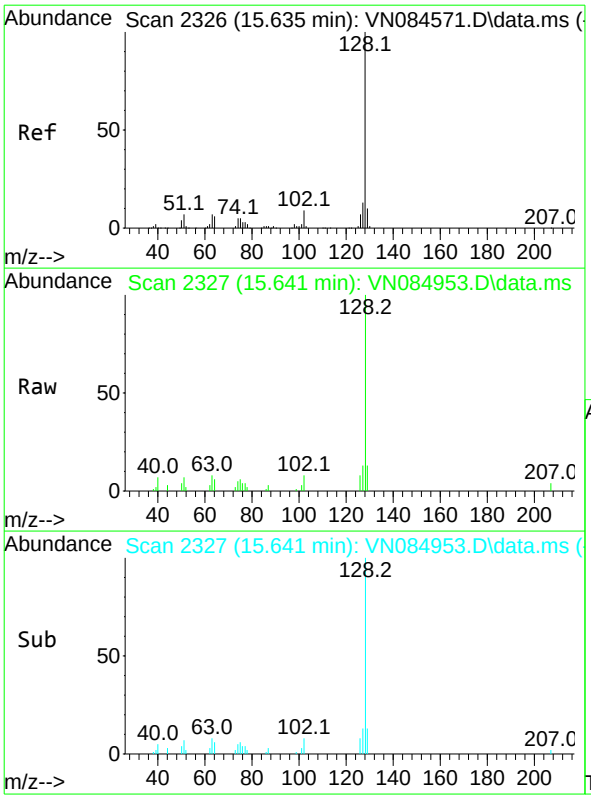


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084953.D
Acq: 19 Nov 2024 17:40

Tgt Ion:152 Resp: 134441

Ion	Ratio	Lower	Upper
152	100		
115	63.9	31.3	93.9
150	160.3	0.0	349.8



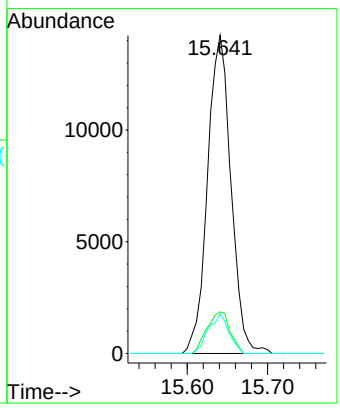


#95
Naphthalene
Concen: 3.712 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084953.D
Acq: 19 Nov 2024 17:40

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-35-20241112

Tgt Ion:128 Resp: 28882

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.9	8.7	13.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084953.D
Acq On : 19 Nov 2024 17:40
Operator : JC\MD
Sample : P4845-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-35-20241112

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084953.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.283	49	56	64	rBV	45578	98988	9.45%	1.524%
2	4.742	464	474	484	rBV3	5402	17743	1.69%	0.273%
3	8.165	1046	1056	1060	rBV	156978	367777	35.10%	5.664%
4	8.218	1060	1065	1079	rVB	274955	609609	58.19%	9.388%
5	8.577	1116	1126	1133	rBV2	169828	386652	36.91%	5.955%
6	8.730	1134	1152	1153	rBV3	36900	120302	11.48%	1.853%
7	9.100	1206	1215	1225	rBV	402685	823068	78.56%	12.676%
8	9.347	1249	1257	1269	rVB	208401	419514	40.04%	6.461%
9	10.565	1456	1464	1478	rBV	577984	1047657	100.00%	16.134%
10	11.865	1676	1685	1694	rBV	523153	925383	88.33%	14.251%
11	12.847	1844	1852	1862	rVB	437246	732867	69.95%	11.286%
12	13.788	2005	2012	2021	rBV	510871	851485	81.28%	13.113%
13	13.994	2040	2047	2058	rBV3	15174	31480	3.00%	0.485%
14	15.641	2318	2327	2334	rBV	30515	60802	5.80%	0.936%

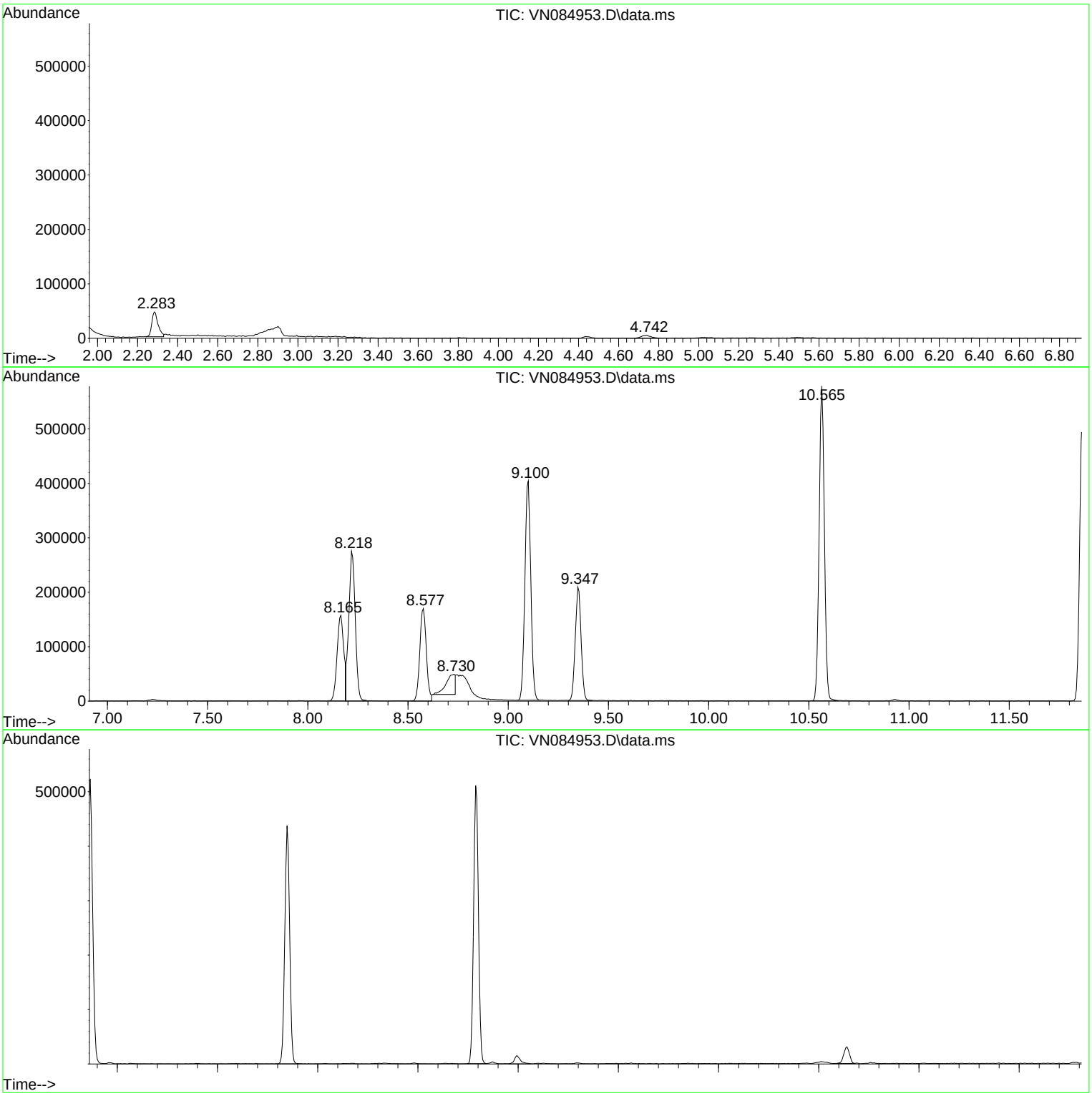
Sum of corrected areas: 6493327

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084953.D
Acq On : 19 Nov 2024 17:40
Operator : JC\MD
Sample : P4845-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-35-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084953.D
Acq On : 19 Nov 2024 17:40
Operator : JC\MD
Sample : P4845-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-35-20241112

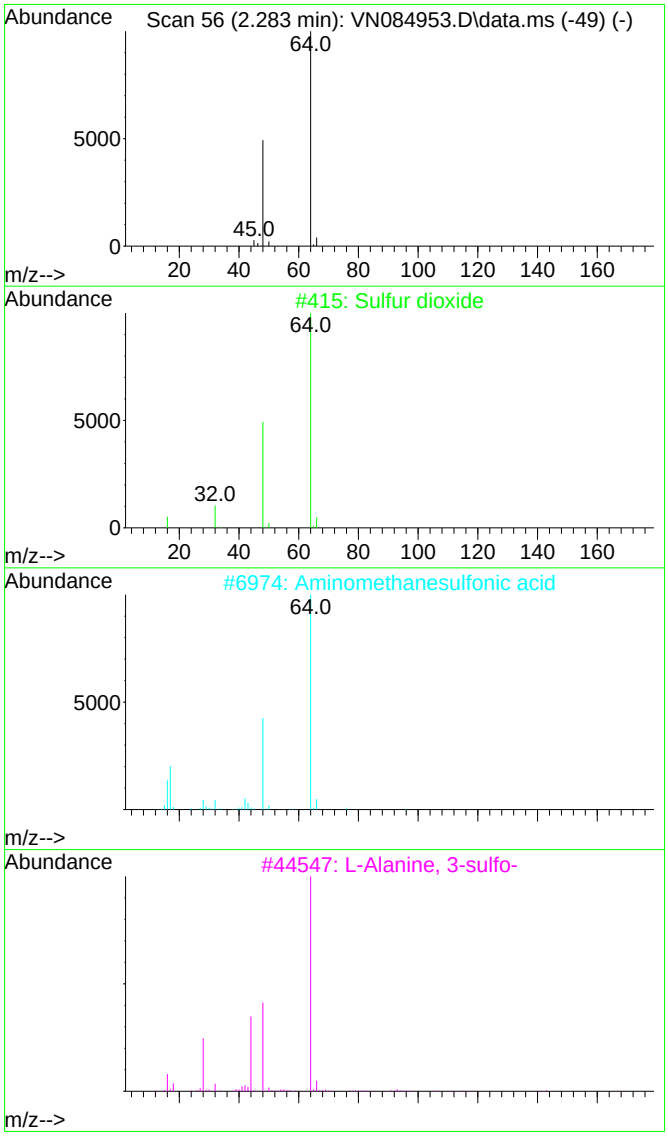
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

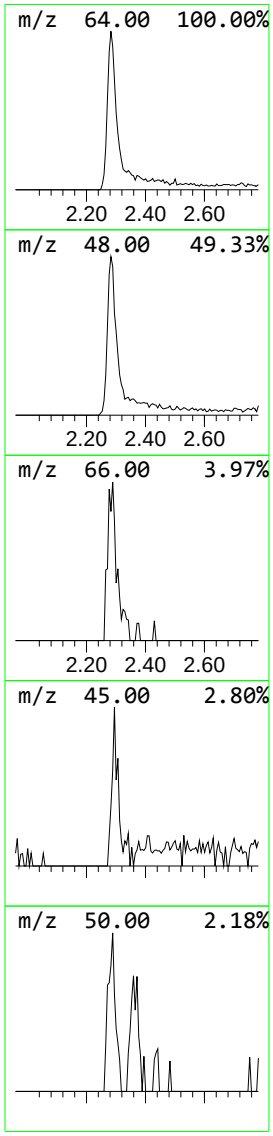
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.283	8.12 ug/l	98988	Pentafluorobenzene	8.218

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	90
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	64
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	7
5	Ethene, 1,2-difluoro-	64	C2H2F2	001691-13-0	3





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084953.D
Acq On : 19 Nov 2024 17:40
Operator : JC\MD
Sample : P4845-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-35-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

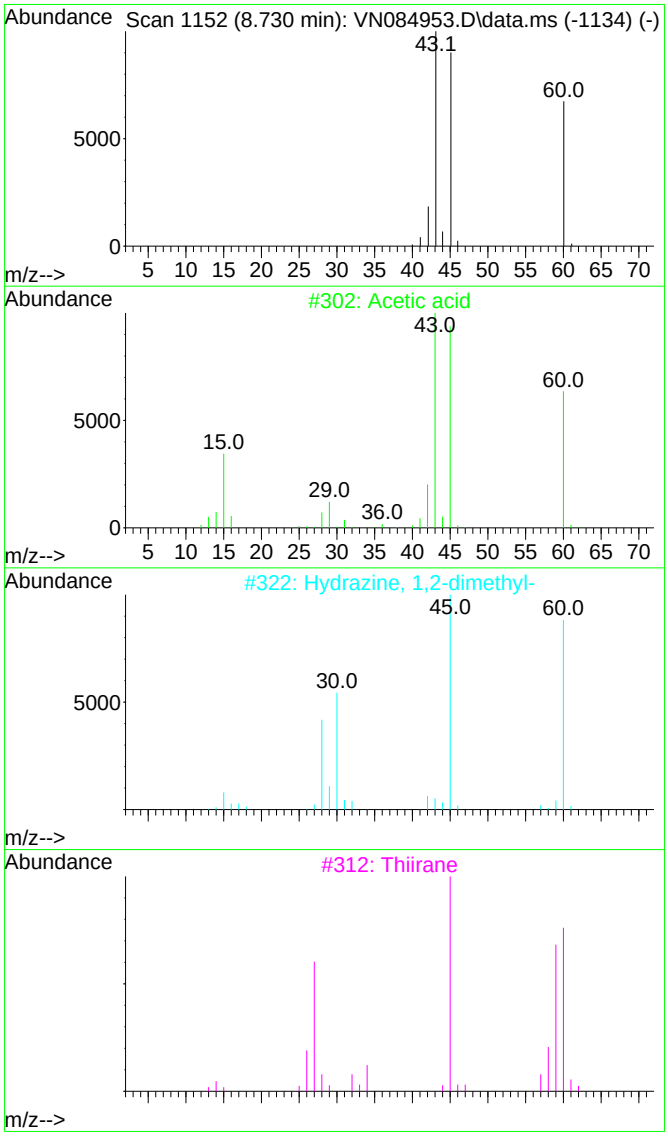
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

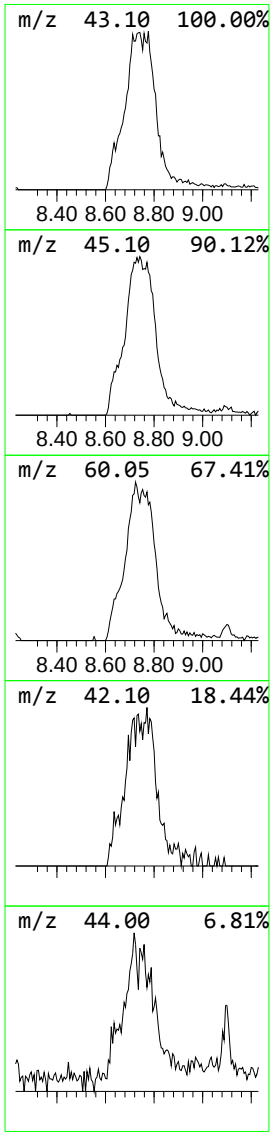
****

Peak Number 2 Acetic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.730	7.31 ug/l	120302	1,4-Difluorobenzene	9.100

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid	60	C2H4O2	000064-19-7	90
2	Hydrazine, 1,2-dimethyl-	60	C2H8N2	000540-73-8	56
3	Thiirane	60	C2H4S	000420-12-2	9
4	Hydrazine, 1,1-dimethyl-	60	C2H8N2	000057-14-7	9
5	Ammonium acetate	77	C2H7NO2	000631-61-8	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084953.D
Acq On : 19 Nov 2024 17:40
Operator : JC\MD
Sample : P4845-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-35-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	2.283	8.1	ug/l	98988	1	8.218	609609	50.0
Acetic acid	8.730	7.3	ug/l	120302	2	9.100	823068	50.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/11/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-RB-1-20241111	SDG No.:	P4845
Lab Sample ID:	P4845-09	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084946.D	1		11/19/24 14:53	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	20.2		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.50	J	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.36	J	0.18	0.50	1.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/11/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-RB-1-20241111	SDG No.:	P4845
Lab Sample ID:	P4845-09	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084946.D	1		11/19/24 14:53	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.3		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	48.0		80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	46.1		89 - 112		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	171000	8.224				
540-36-3	1,4-Difluorobenzene	316000	9.1				
3114-55-4	Chlorobenzene-d5	278000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	124000	13.788				

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Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/11/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-RB-1-20241111	SDG No.:	P4845
Lab Sample ID:	P4845-09	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084946.D	1		11/19/24 14:53	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084946.D
Acq On : 19 Nov 2024 14:53
Operator : JC\MD
Sample : P4845-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-RB-1-20241111

Quant Time: Nov 20 00:29:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

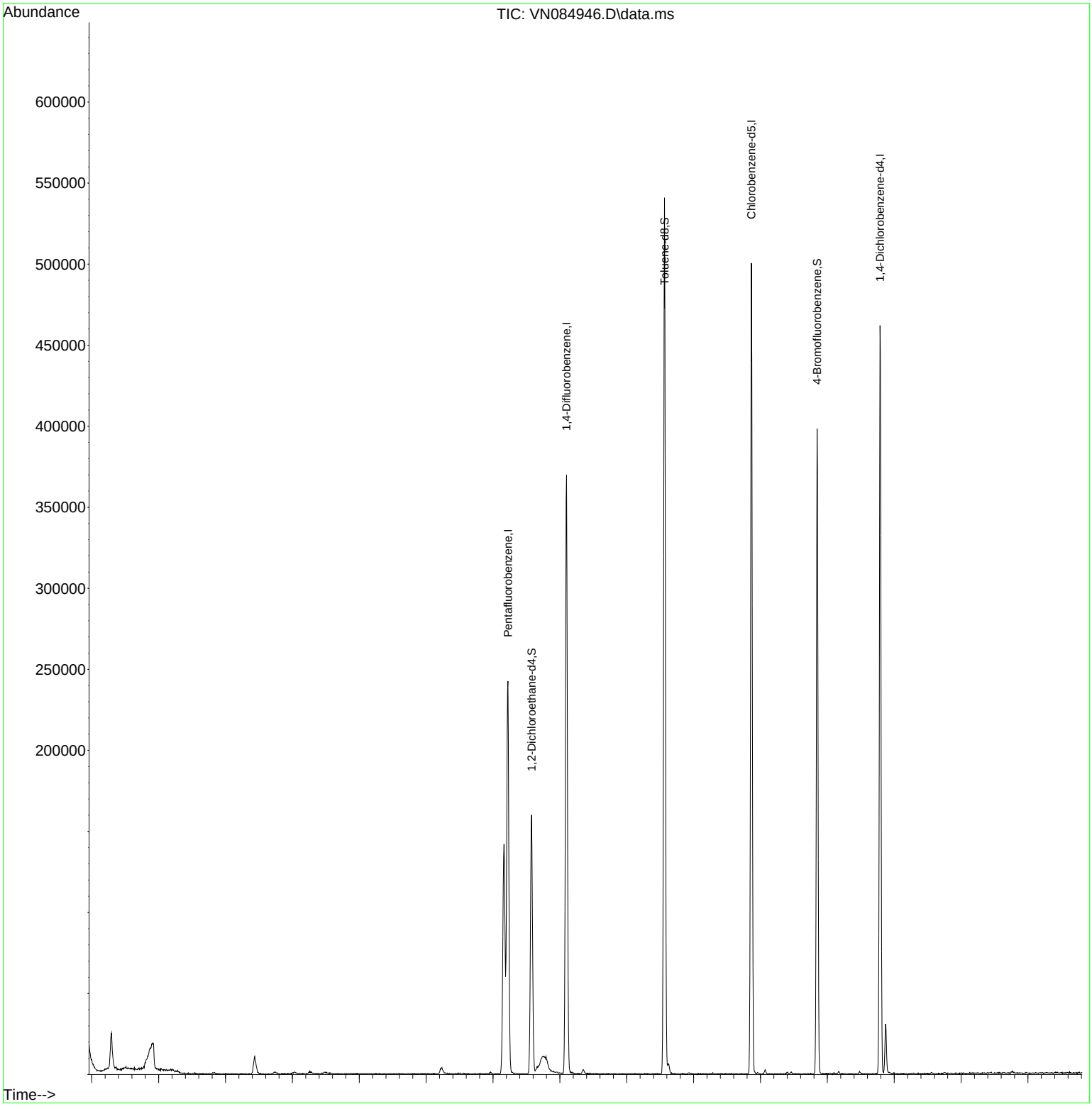
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	171112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	316282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	277762	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	123702	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	129142	52.254	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.500%			
35) Dibromofluoromethane	8.165	113	102829	48.032	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.060%			
50) Toluene-d8	10.565	98	363322	46.071	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.140%			
62) 4-Bromofluorobenzene	12.847	95	140700	47.738	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.480%			
Target Compounds						Qvalue
16) Acetone	4.430	43	16260	20.154	ug/l	98
44) Trichloroethene	9.347	130	1093	0.497	ug/l	74
52) Toluene	10.623	92	2016	0.362	ug/l	89

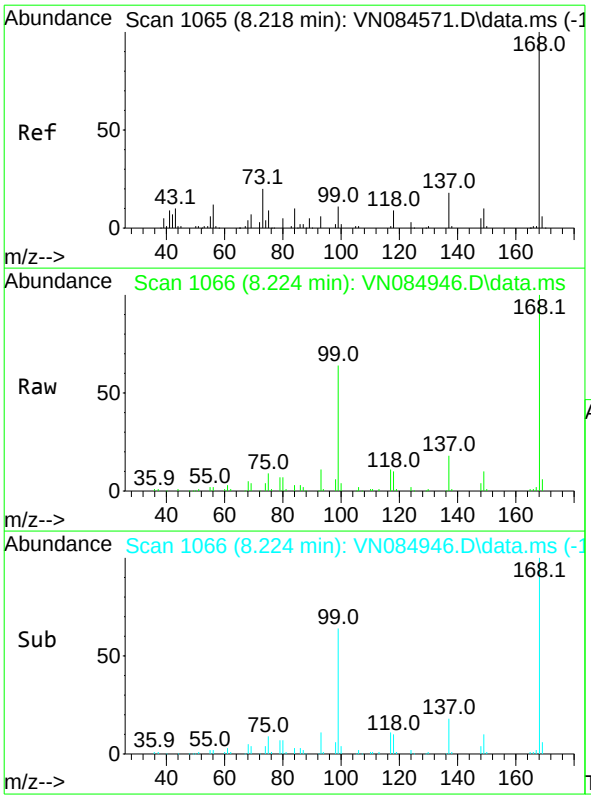
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084946.D
Acq On : 19 Nov 2024 14:53
Operator : JC\MD
Sample : P4845-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-RB-1-20241111

Quant Time: Nov 20 00:29:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



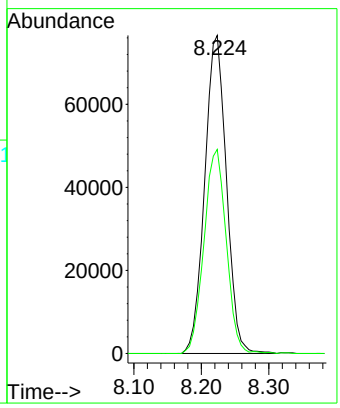


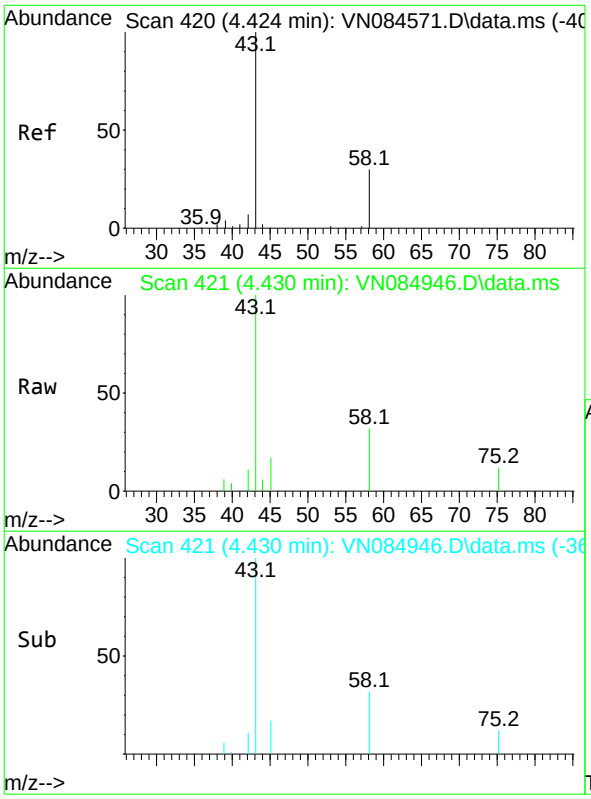
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084946.D
Acq: 19 Nov 2024 14:53

Instrument :
MSVOA_N
ClientSampleId :
FSND-RB-1-20241111

Tgt Ion:168 Resp: 171112

Ion	Ratio	Lower	Upper
168	100		
99	64.2	54.2	81.2

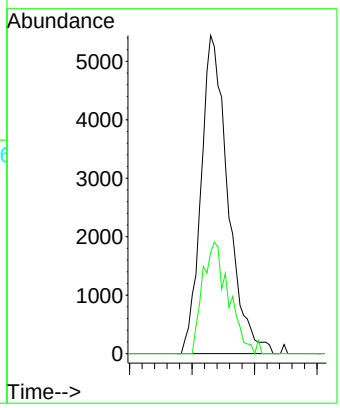


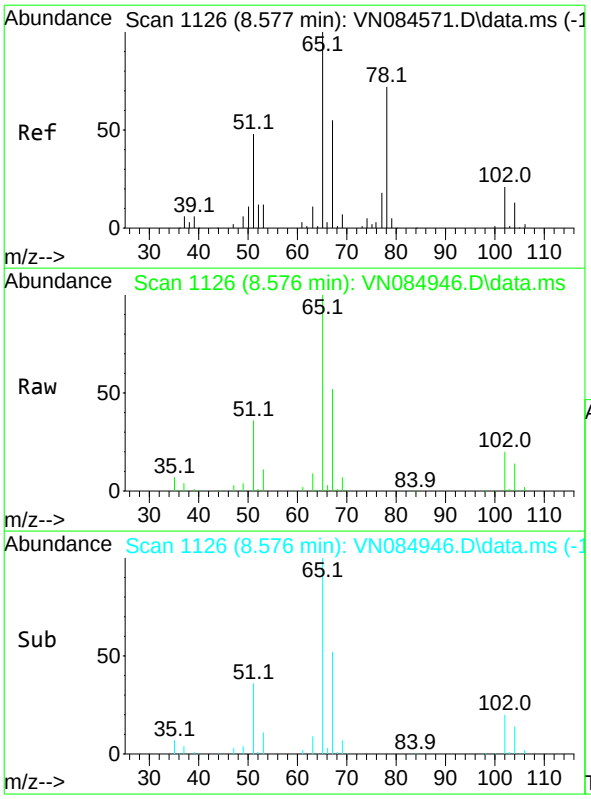


#16
Acetone
Concen: 20.154 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084946.D
Acq: 19 Nov 2024 14:53

Tgt Ion: 43 Resp: 16260

Ion	Ratio	Lower	Upper
43	100		
58	31.8	24.4	36.6



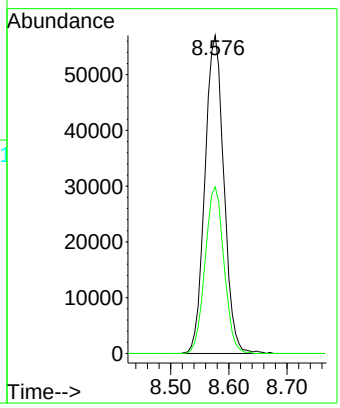


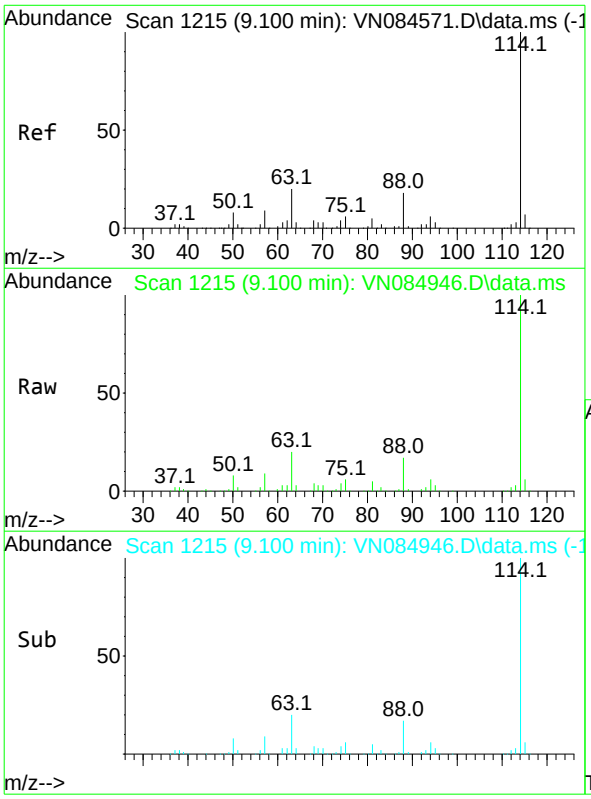
#33
1,2-Dichloroethane-d4
Concen: 52.254 ug/l
RT: 8.576 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN084946.D
Acq: 19 Nov 2024 14:53

Instrument :
MSVOA_N
ClientSampleId :
FSND-RB-1-20241111

Tgt Ion: 65 Resp: 129142

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	102.0

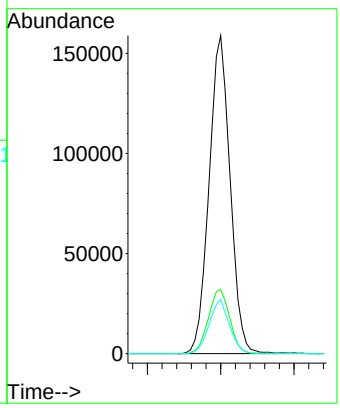


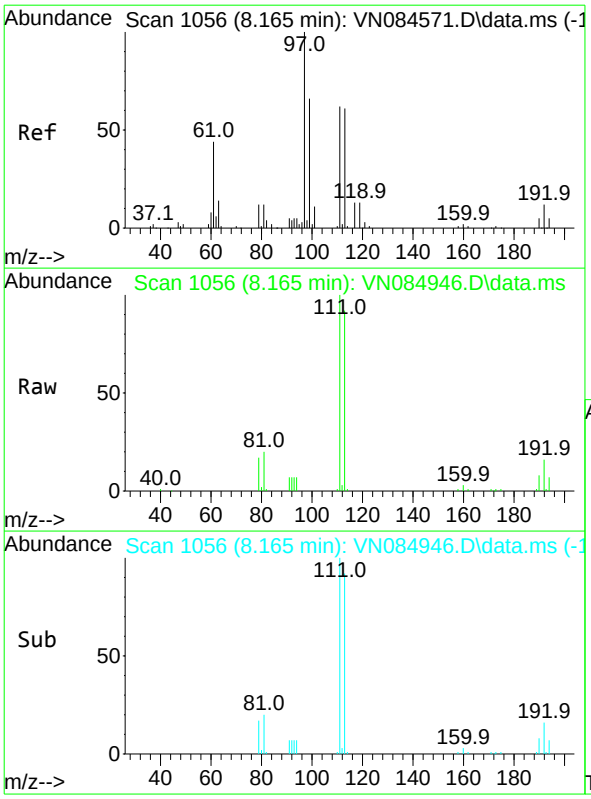


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084946.D
Acq: 19 Nov 2024 14:53

Tgt Ion:114 Resp: 316282

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	43.8
88	17.1	0.0	31.6



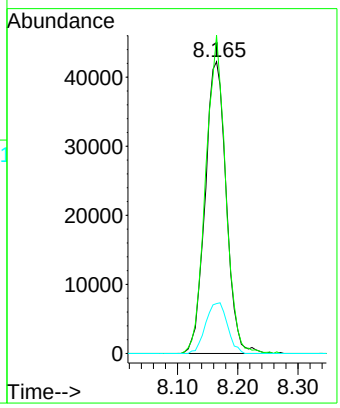


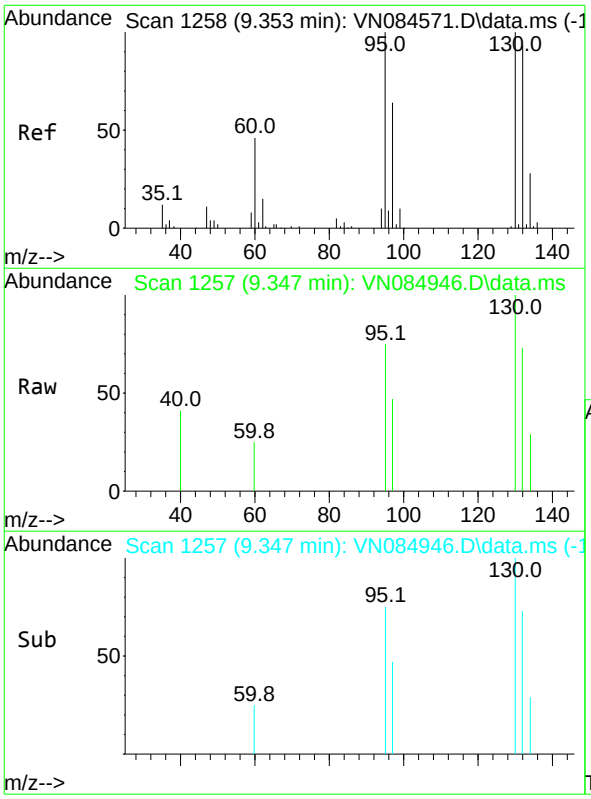
#35
Dibromofluoromethane
Concen: 48.032 ug/l
RT: 8.165 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084946.D
Acq: 19 Nov 2024 14:53

Instrument :
MSVOA_N
ClientSampleId :
FSND-RB-1-20241111

Tgt Ion:113 Resp: 102829

Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.3	124.9
192	17.8	13.5	20.3

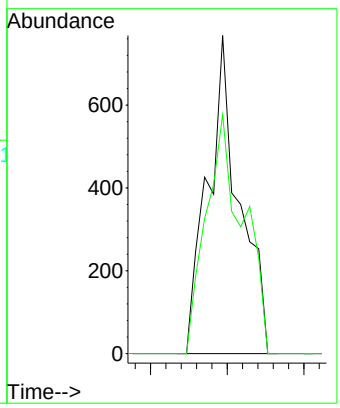


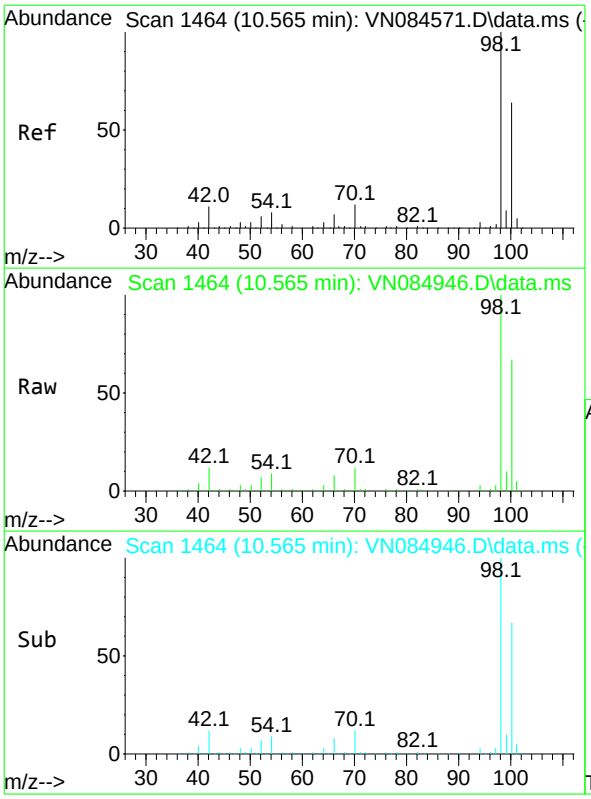


#44
Trichloroethene
Concen: 0.497 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084946.D
Acq: 19 Nov 2024 14:53

Tgt Ion:130 Resp: 1093

Ion	Ratio	Lower	Upper
130	100		
95	75.1	0.0	203.0



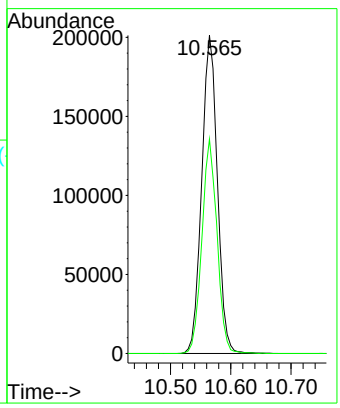


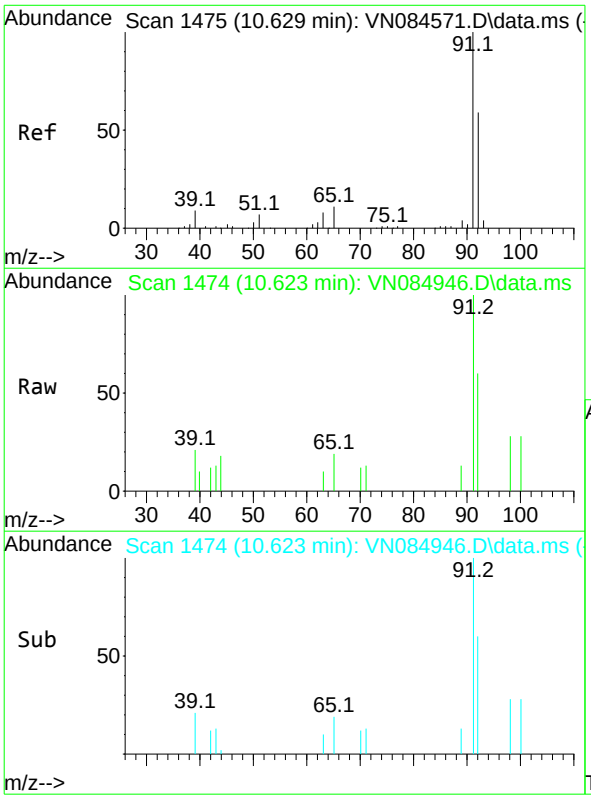
#50
Toluene-d8
Concen: 46.071 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084946.D
Acq: 19 Nov 2024 14:53

Instrument :
MSVOA_N
ClientSampleId :
FSND-RB-1-20241111

Tgt Ion: 98 Resp: 363322

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.7	79.1

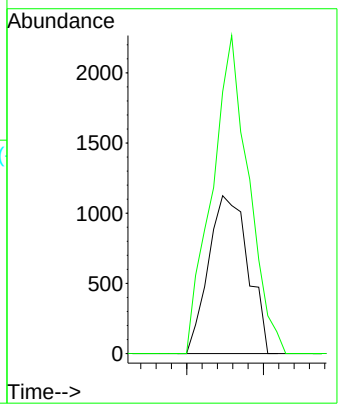


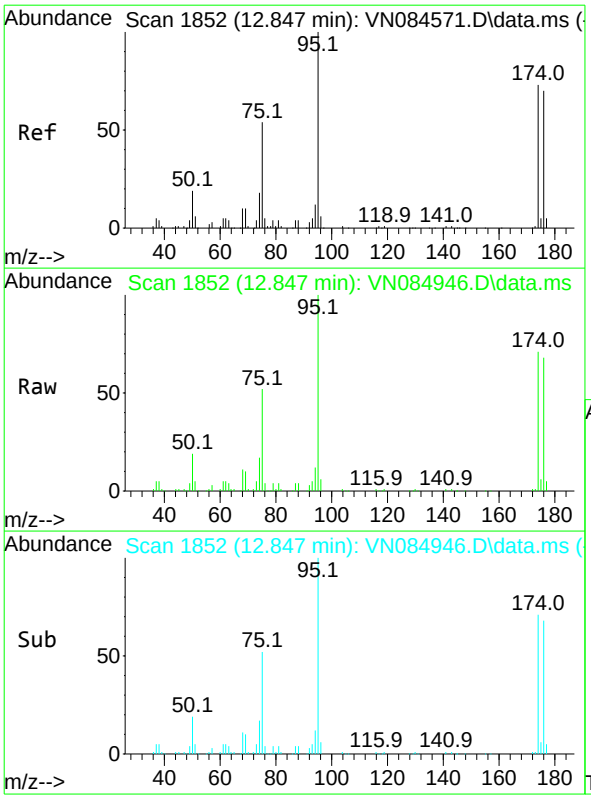


#52
Toluene
Concen: 0.362 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN084946.D
Acq: 19 Nov 2024 14:53

Tgt Ion: 92 Resp: 2016

Ion	Ratio	Lower	Upper
92	100		
91	186.8	137.3	205.9



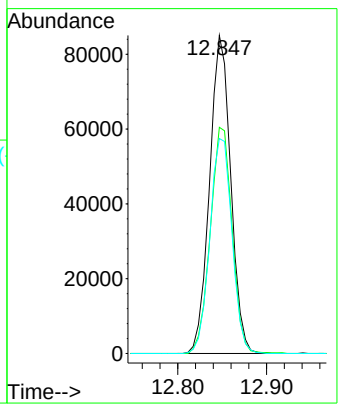


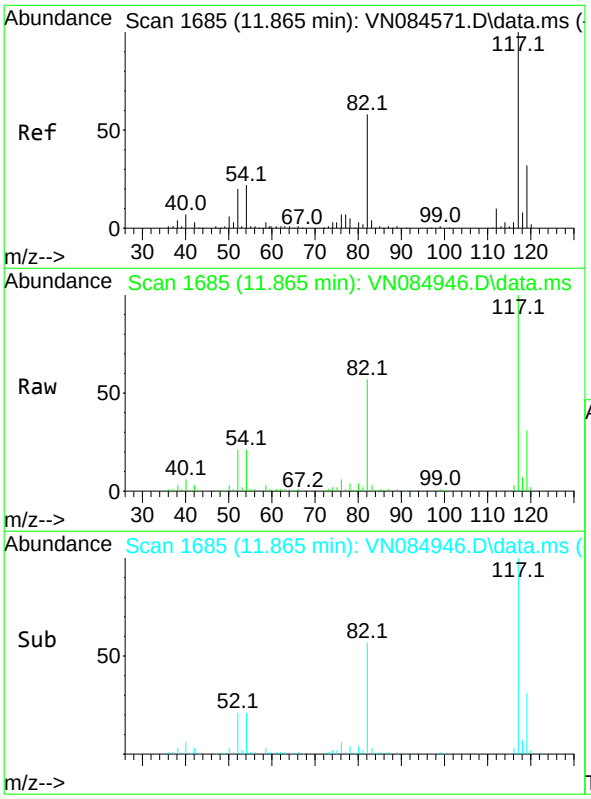
#62
4-Bromofluorobenzene
Concen: 47.738 ug/l
RT: 12.847 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084946.D
Acq: 19 Nov 2024 14:53

Instrument :
MSVOA_N
ClientSampleId :
FSND-RB-1-20241111

Tgt Ion: 95 Resp: 140700

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	145.2
176	70.6	0.0	140.0

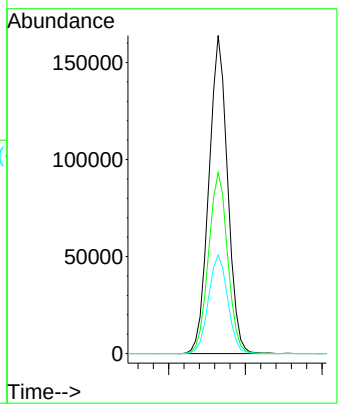


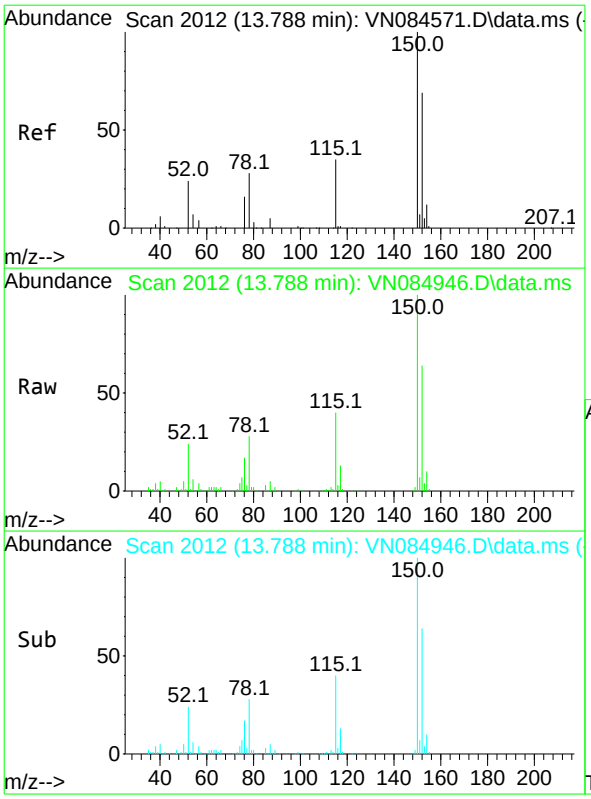


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.001 min
Lab File: VN084946.D
Acq: 19 Nov 2024 14:53

Tgt Ion:117 Resp: 277762

Ion	Ratio	Lower	Upper
117	100		
82	57.0	47.2	70.8
119	31.0	25.4	38.0



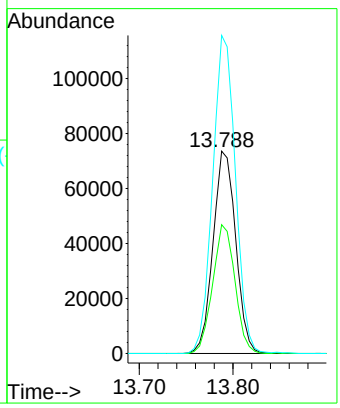


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084946.D
Acq: 19 Nov 2024 14:53

Instrument :
MSVOA_N
ClientSampleId :
FSND-RB-1-20241111

Tgt Ion:152 Resp: 123702

Ion	Ratio	Lower	Upper
152	100		
115	62.6	31.3	93.9
150	157.9	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084946.D
Acq On : 19 Nov 2024 14:53
Operator : JC\MD
Sample : P4845-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-RB-1-20241111

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084946.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.295	50	58	66	rBV3	21762	47161	4.88%	0.862%
2	2.912	141	163	164	rBV7	15390	74378	7.69%	1.360%
3	4.436	411	422	430	rBV3	10958	29578	3.06%	0.541%
4	8.165	1045	1056	1060	rBV2	141681	333659	34.51%	6.099%
5	8.224	1060	1066	1081	rVB	242116	545534	56.43%	9.972%
6	8.576	1114	1126	1135	rBV	159987	354252	36.64%	6.475%
7	8.747	1146	1155	1157	rBV4	5519	15475	1.60%	0.283%
8	9.100	1206	1215	1224	rBV	369401	741770	76.73%	13.558%
9	10.565	1453	1464	1472	rBV	540552	966744	100.00%	17.671%
10	10.623	1472	1474	1481	rVB3	6102	9668	1.00%	0.177%
11	11.865	1676	1685	1693	rBV	500223	860755	89.04%	15.733%
12	12.847	1845	1852	1865	rVB	398031	667619	69.06%	12.203%
13	13.788	2005	2012	2021	rBV	461715	774974	80.16%	14.165%
14	13.870	2021	2026	2034	rVB	30111	49357	5.11%	0.902%

Sum of corrected areas: 5470924

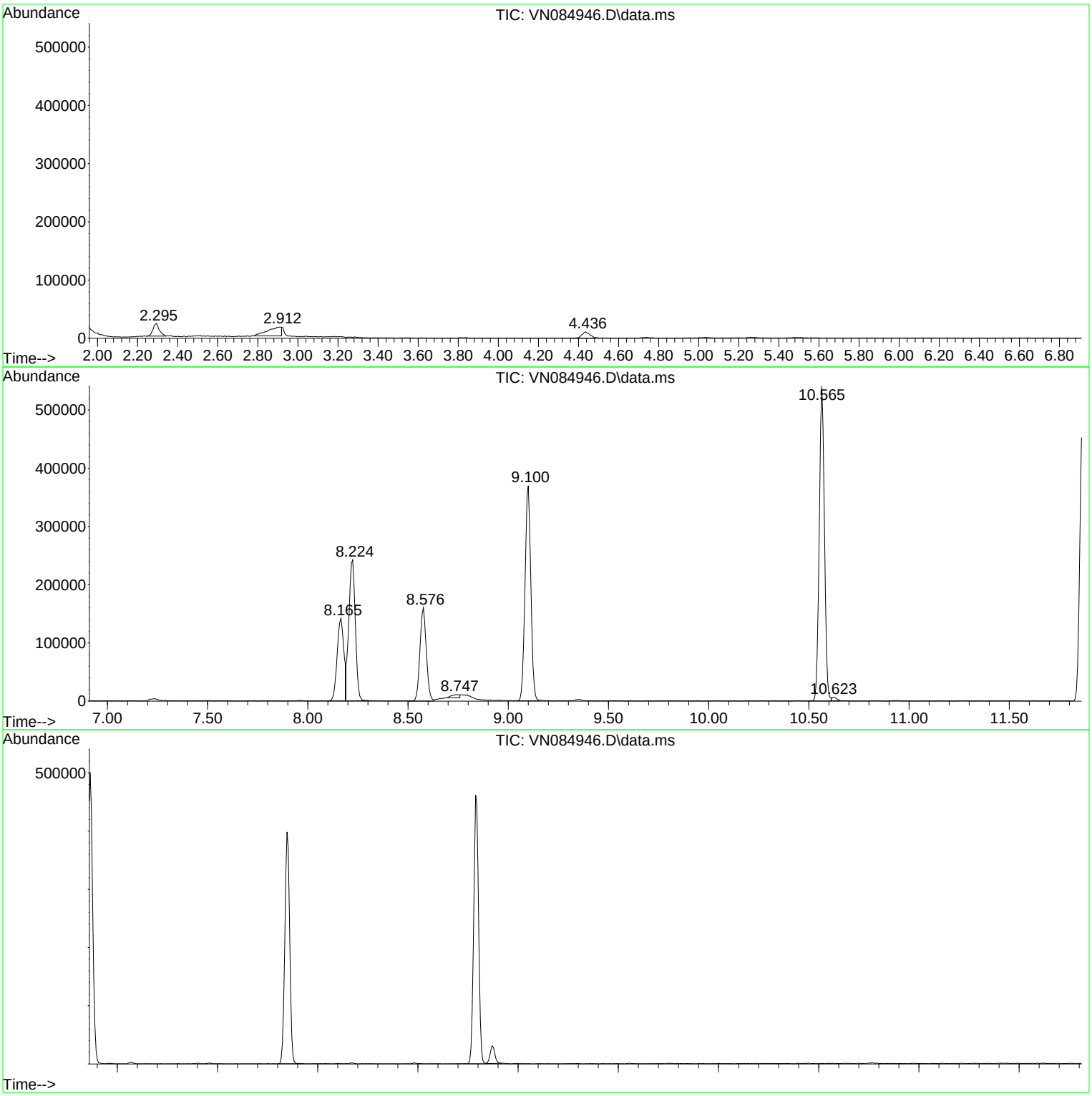
Sample Results: **VN084946.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084946.D
Acq On : 19 Nov 2024 14:53
Operator : JC\MD
Sample : P4845-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-RB-1-20241111

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084946.D
Acq On : 19 Nov 2024 14:53
Operator : JC\MD
Sample : P4845-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-RB-1-20241111

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084946.D
Acq On : 19 Nov 2024 14:53
Operator : JC\MD
Sample : P4845-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-RB-1-20241111

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-RB-2-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-10	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084890.D	1		11/17/24 13:12	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-RB-2-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-10	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084890.D	1		11/17/24 13:12	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.1		81 - 118		98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	45.5		89 - 112		91%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	157000	8.218				
540-36-3	1,4-Difluorobenzene	271000	9.094				
3114-55-4	Chlorobenzene-d5	231000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	110000	13.788				
TENTATIVE IDENTIFIED COMPOUNDS							

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-RB-2-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-10	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084890.D	1		11/17/24 13:12	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	unknown2.906	5.90	J			2.91	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084890.D
Acq On : 17 Nov 2024 13:12
Operator : JC\MD
Sample : P4845-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-RB-2-20241112

Quant Time: Nov 18 07:28:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

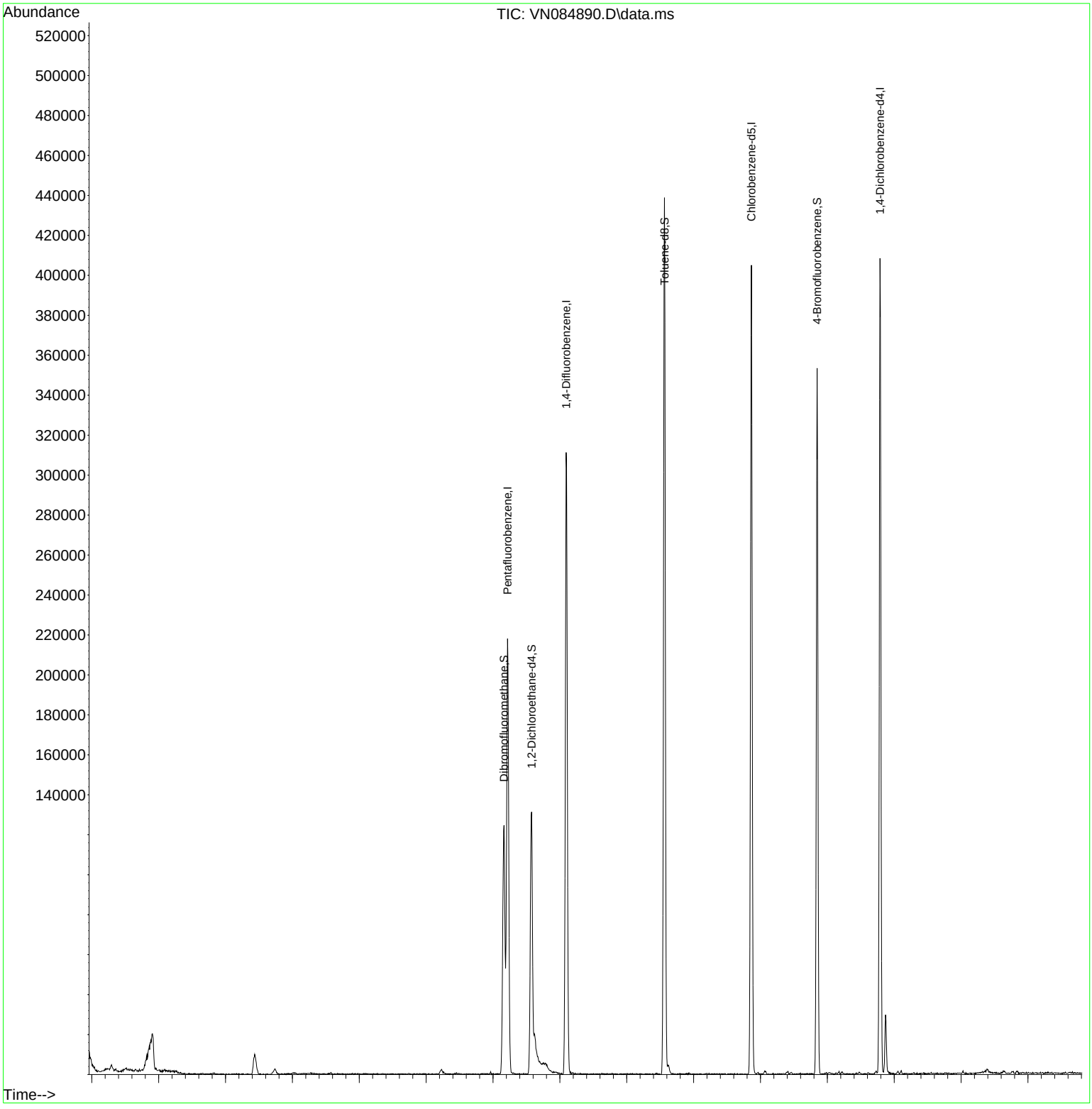
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	157110	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	271317	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	231114	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110441	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	111405	49.094	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.180%		
35) Dibromofluoromethane	8.165	113	90914	49.504	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.000%		
50) Toluene-d8	10.565	98	307503	45.455	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.900%		
62) 4-Bromofluorobenzene	12.847	95	122212	48.337	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.680%		
Target Compounds						Qvalue

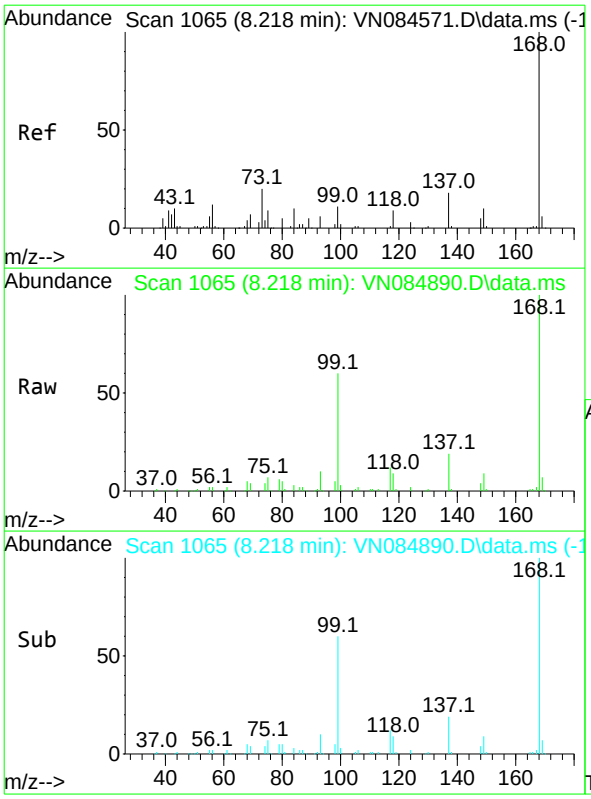
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084890.D
Acq On : 17 Nov 2024 13:12
Operator : JC\MD
Sample : P4845-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-RB-2-20241112

Quant Time: Nov 18 07:28:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



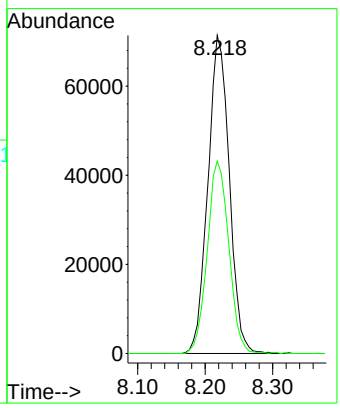


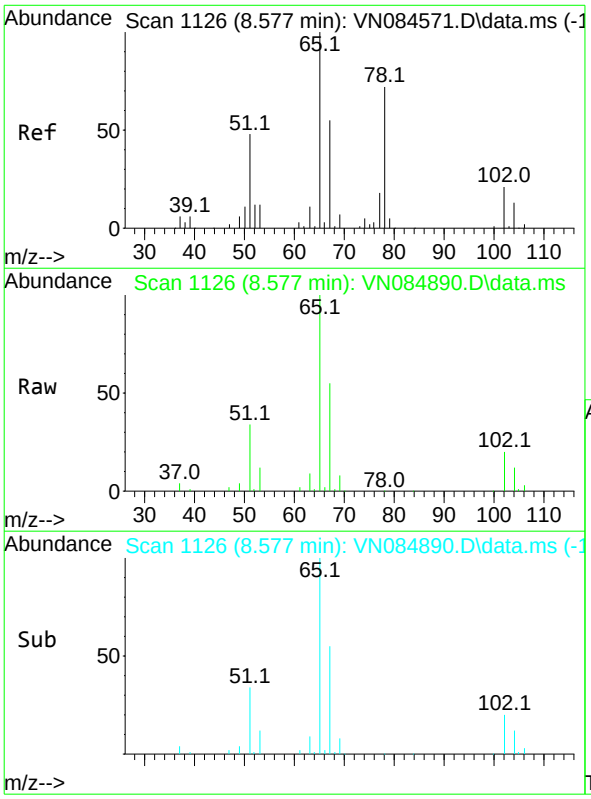
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084890.D
Acq: 17 Nov 2024 13:12

Instrument :
MSVOA_N
ClientSampleId :
FSND-RB-2-20241112

Tgt Ion:168 Resp: 157110

Ion	Ratio	Lower	Upper
168	100		
99	60.5	54.2	81.2

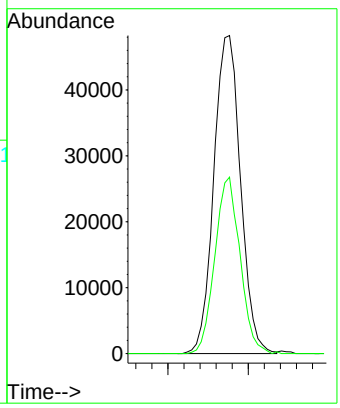


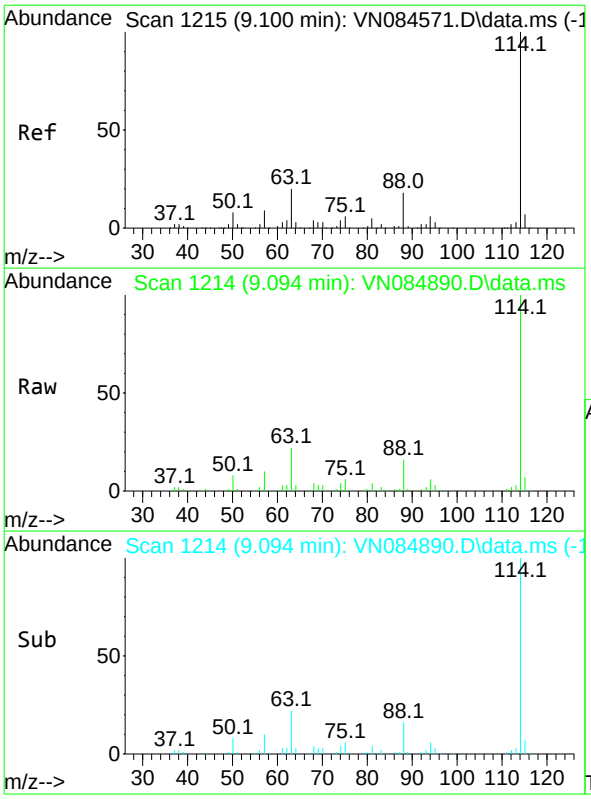


#33
1,2-Dichloroethane-d4
Concen: 49.094 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084890.D
Acq: 17 Nov 2024 13:12

Tgt Ion: 65 Resp: 111405

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	102.0



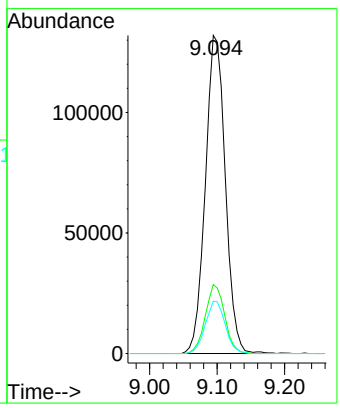


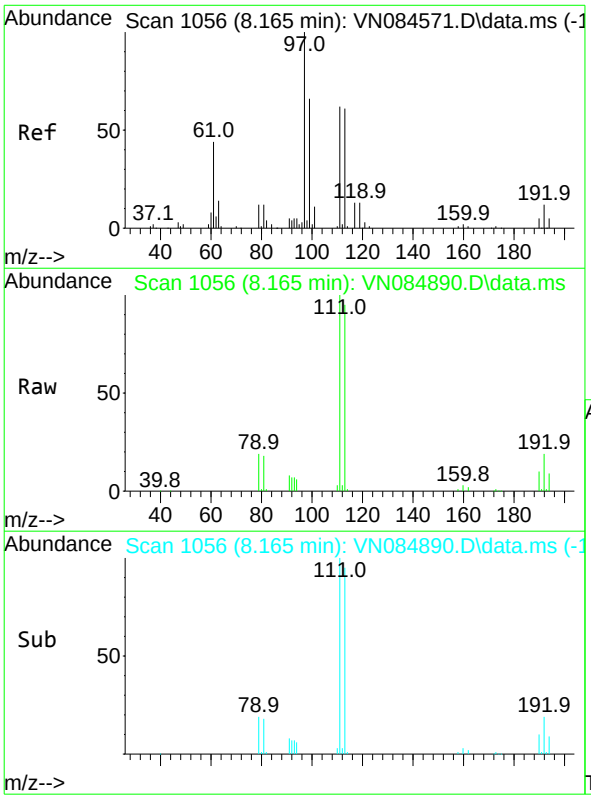
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN084890.D
Acq: 17 Nov 2024 13:12

Instrument :
MSVOA_N
ClientSampleId :
FSND-RB-2-20241112

Tgt Ion:114 Resp: 271317

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.8
88	16.4	0.0	31.6

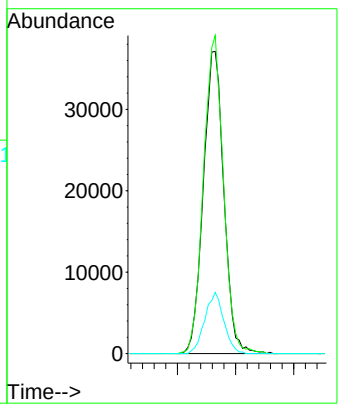


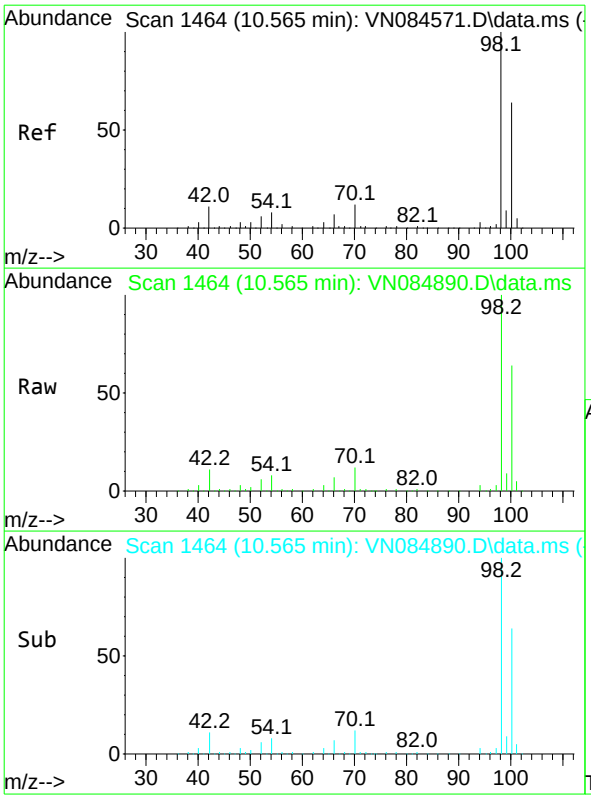


#35
Dibromofluoromethane
Concen: 49.504 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084890.D
Acq: 17 Nov 2024 13:12

Tgt Ion:113 Resp: 90914

Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.3	124.9
192	18.8	13.5	20.3



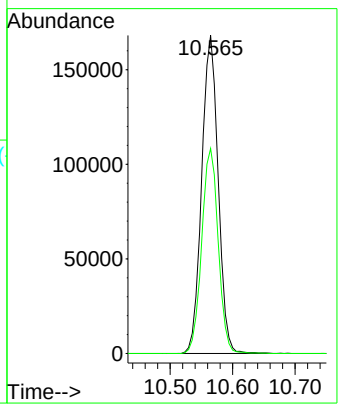


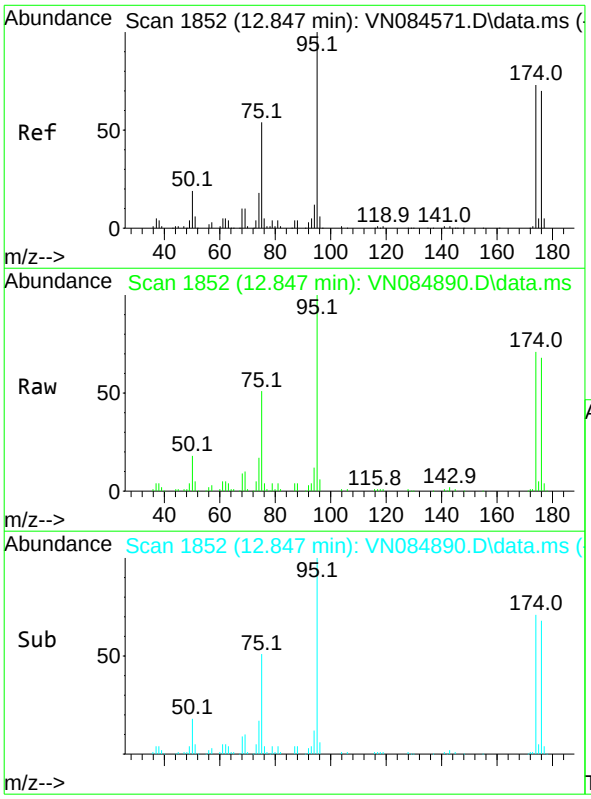
#50
Toluene-d8
Concen: 45.455 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084890.D
Acq: 17 Nov 2024 13:12

Instrument :
MSVOA_N
ClientSampleId :
FSND-RB-2-20241112

Tgt Ion: 98 Resp: 307503

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.7	79.1

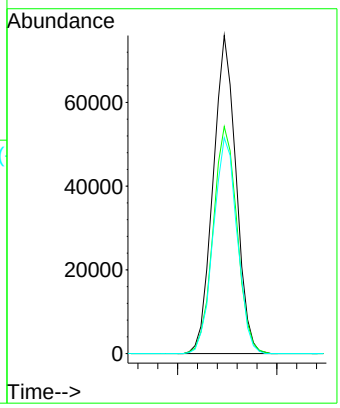


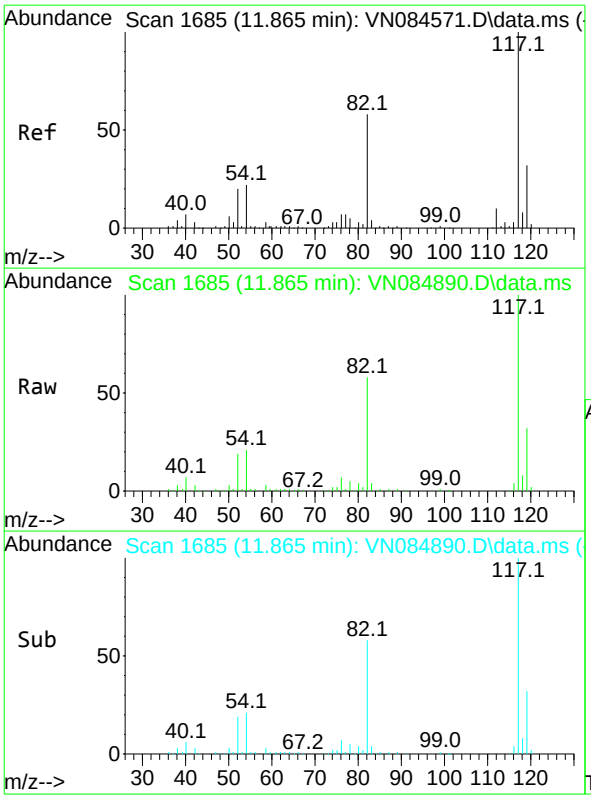


#62
4-Bromofluorobenzene
Concen: 48.337 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084890.D
Acq: 17 Nov 2024 13:12

Tgt Ion: 95 Resp: 122212

Ion	Ratio	Lower	Upper
95	100		
174	74.4	0.0	145.2
176	70.3	0.0	140.0



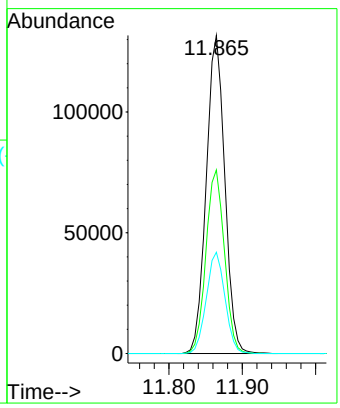


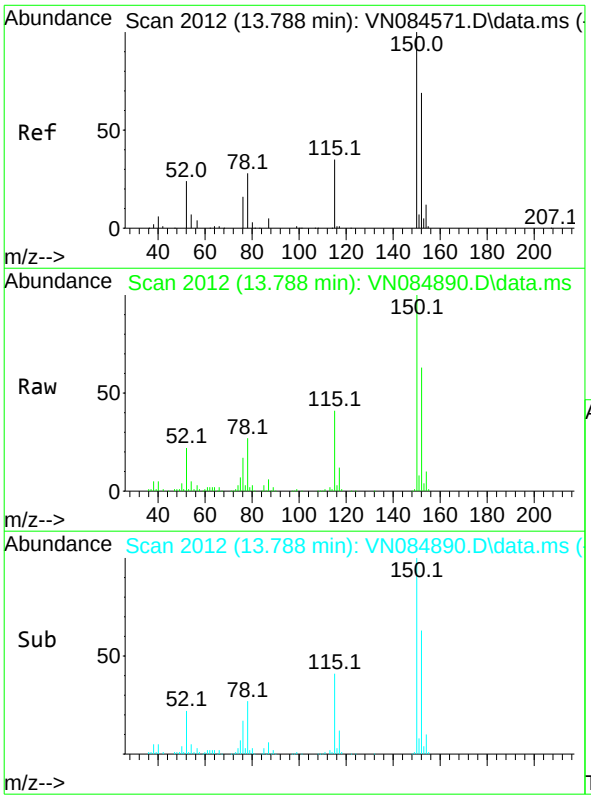
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084890.D
Acq: 17 Nov 2024 13:12

Instrument :
MSVOA_N
ClientSampleId :
FSND-RB-2-20241112

Tgt Ion:117 Resp: 231114

Ion	Ratio	Lower	Upper
117	100		
82	57.7	47.2	70.8
119	31.8	25.4	38.0

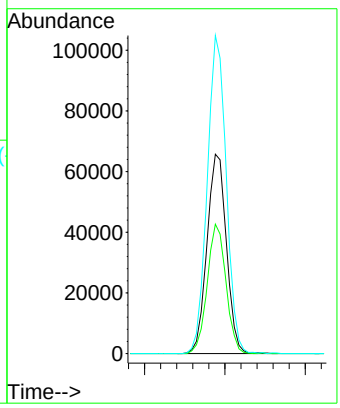




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084890.D
Acq: 17 Nov 2024 13:12

Tgt Ion:152 Resp: 110441

Ion	Ratio	Lower	Upper
152	100		
115	62.4	31.3	93.9
150	156.1	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084890.D
Acq On : 17 Nov 2024 13:12
Operator : JC\MD
Sample : P4845-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-RB-2-20241112

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084890.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.818	138	147	148	rBV5	7234	12798	1.58%	0.275%
2	2.859	150	154	155	rVV4	11901	18239	2.26%	0.392%
3	2.906	155	162	169	rVB7	17796	55793	6.91%	1.198%
4	4.436	414	422	434	rBV2	10118	30324	3.75%	0.651%
5	4.742	464	474	481	rBV4	2850	8702	1.08%	0.187%
6	8.165	1047	1056	1060	rBV	124113	296230	36.66%	6.359%
7	8.218	1060	1065	1075	rVB	217381	474371	58.71%	10.183%
8	8.577	1115	1126	1132	rBV2	131247	307188	38.02%	6.594%
9	9.094	1204	1214	1224	rBV	311366	638761	79.06%	13.712%
10	10.565	1456	1464	1471	rBV	438850	807949	100.00%	17.344%
11	11.865	1675	1685	1698	rBV	405097	706523	87.45%	15.166%
12	12.847	1844	1852	1860	rBV	353245	580227	71.81%	12.455%
13	13.788	2005	2012	2021	rBV	407725	676747	83.76%	14.527%
14	13.870	2021	2026	2032	rBV	28723	44655	5.53%	0.959%

Sum of corrected areas: 4658507

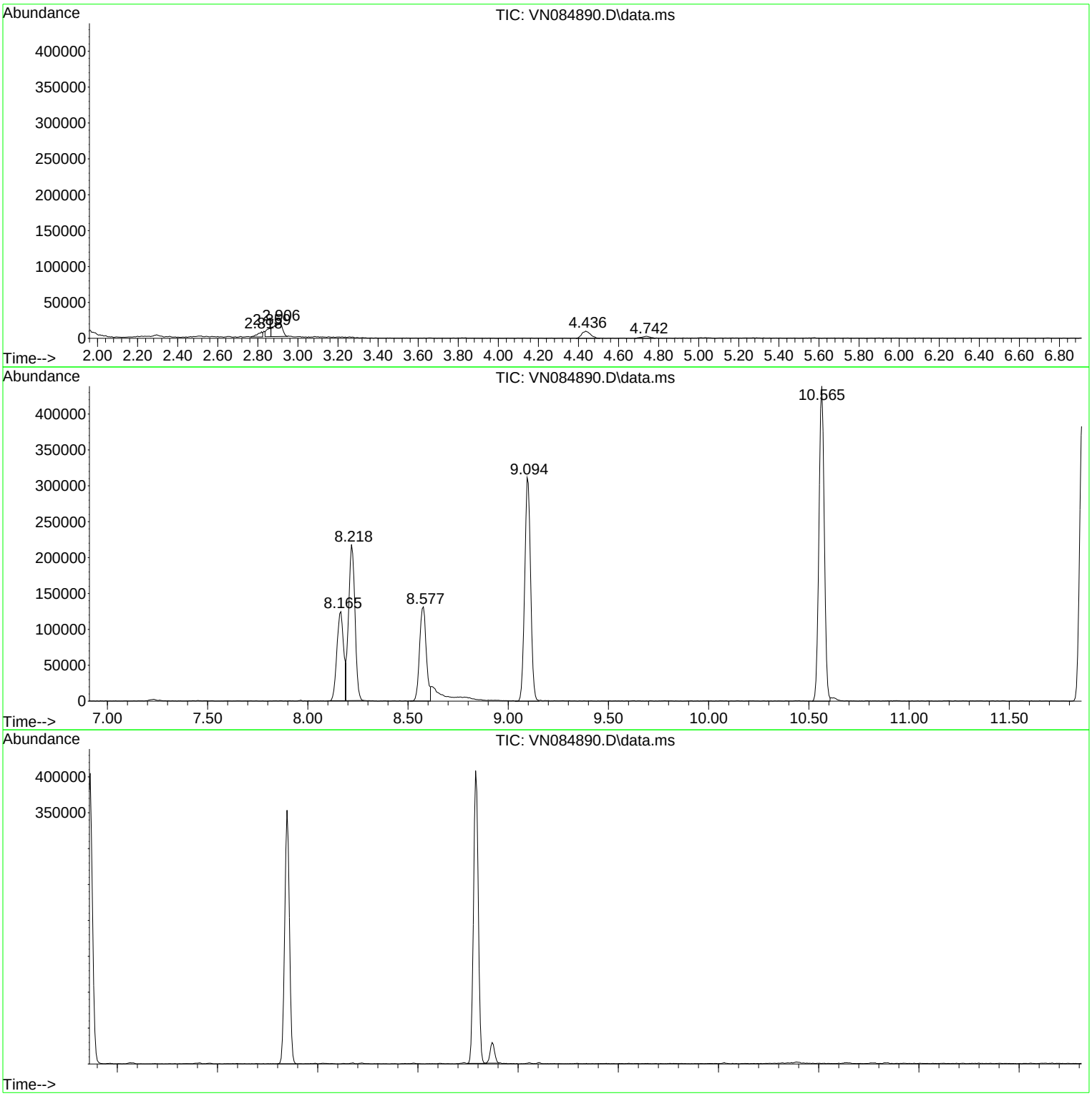
Sample Results: **VN084890.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084890.D
Acq On : 17 Nov 2024 13:12
Operator : JC\MD
Sample : P4845-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-RB-2-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084890.D
Acq On : 17 Nov 2024 13:12
Operator : JC\MD
Sample : P4845-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-RB-2-20241112

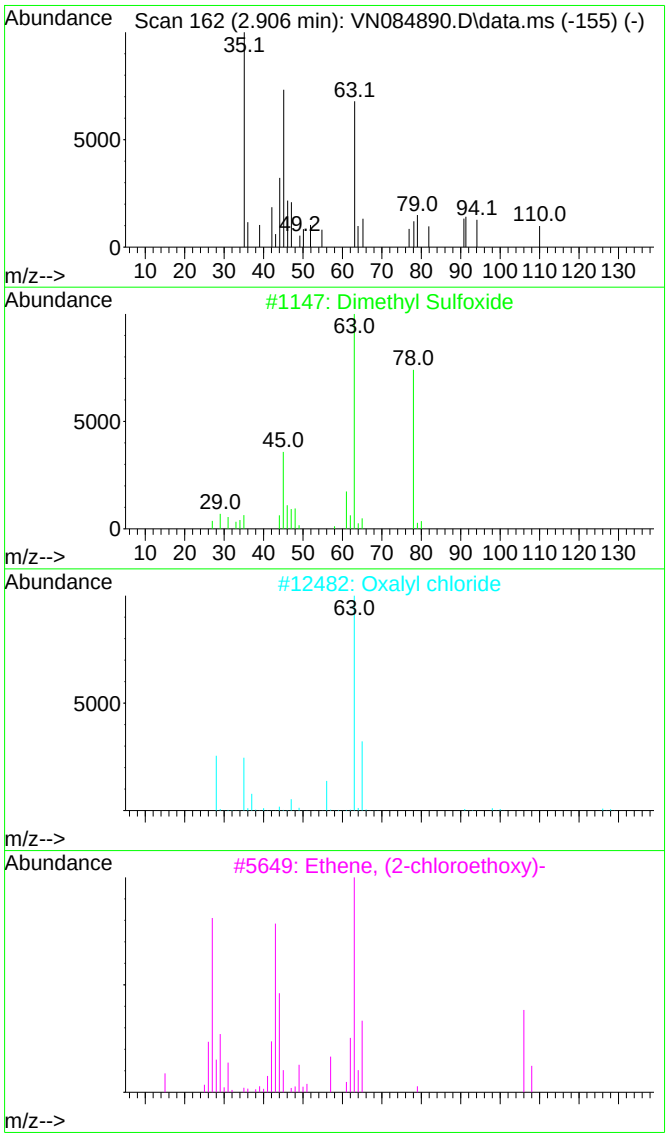
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

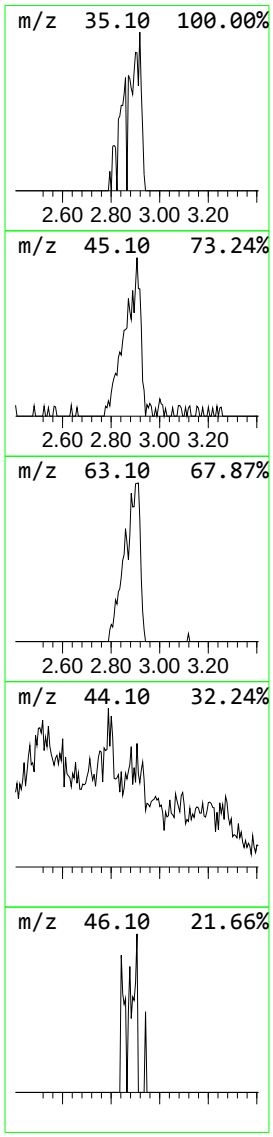
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 unknown2.906 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.906	5.88 ug/l	55793	Pentafluorobenzene	8.218

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl Sulfoxide	78	C2H6OS	000067-68-5	43
2	Oxalyl chloride	126	C2Cl2O2	000079-37-8	9
3	Ethene, (2-chloroethoxy)-	106	C4H7ClO	000110-75-8	8
4	Propanamide, 2-hydroxy-	89	C3H7NO2	002043-43-8	4
5	Ethanol, 2-(2-chloroethoxy)-	124	C4H9ClO2	000628-89-7	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084890.D
Acq On : 17 Nov 2024 13:12
Operator : JC\MD
Sample : P4845-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-RB-2-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown2.906	2.906	5.9	ug/l	55793	1	8.218	474371	50.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-33-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-11	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084896.D	1		11/17/24 15:36	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	140	E	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-33-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-11	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084896.D	1		11/17/24 15:36	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.7		81 - 118		99%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	45.7		89 - 112		91%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.8		85 - 114		90%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	156000	8.224				
540-36-3	1,4-Difluorobenzene	266000	9.1				
3114-55-4	Chlorobenzene-d5	229000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	100000	13.788				
TENTATIVE IDENTIFIED COMPOUNDS							

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-33-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-11	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084896.D	1		11/17/24 15:36	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000109-87-5	Methylal	6.10	J			4.44	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084896.D
Acq On : 17 Nov 2024 15:36
Operator : JC\MD
Sample : P4845-11
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-33-20241112

Quant Time: Nov 18 00:21:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

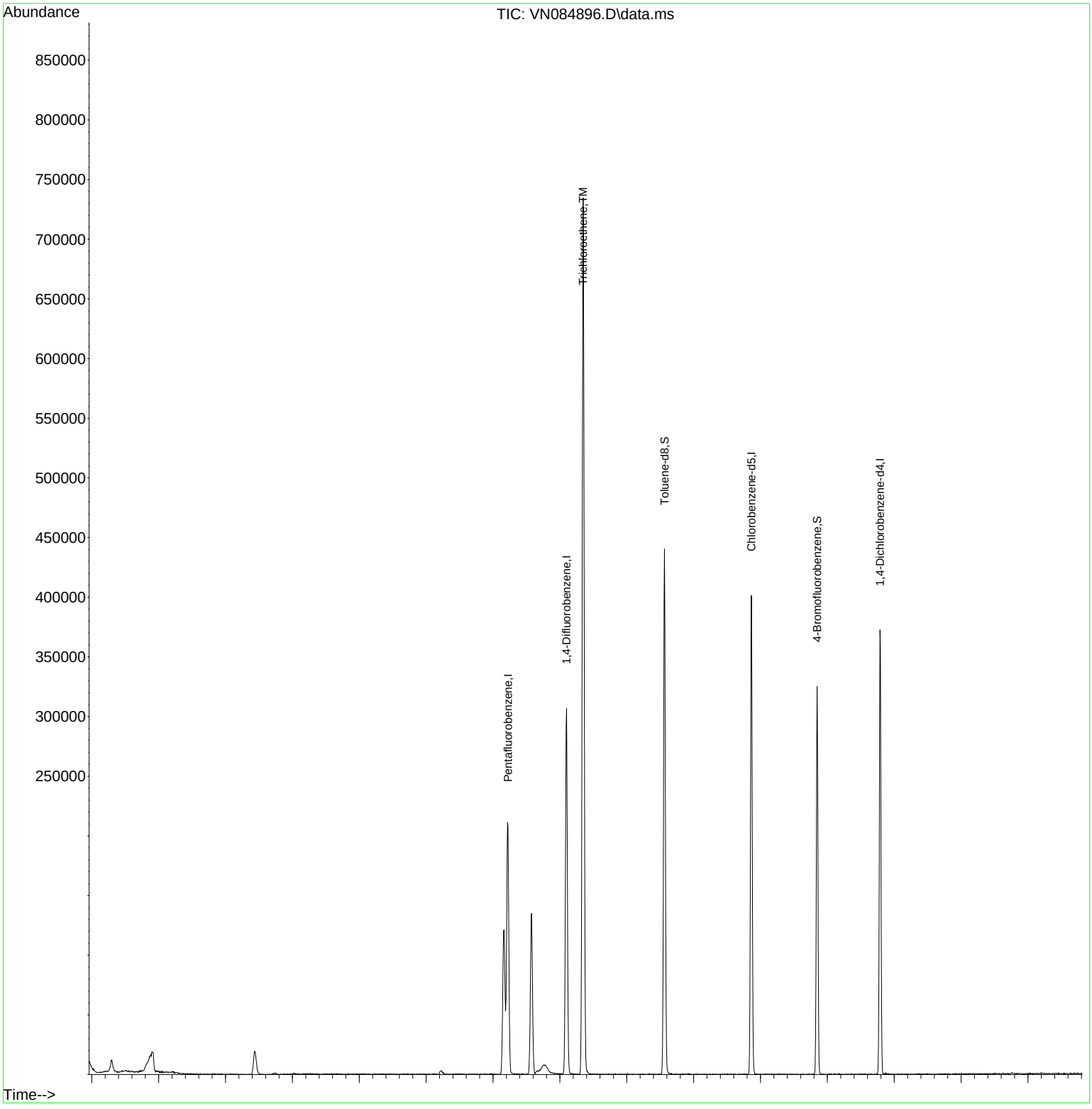
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	155970	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	265775	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	228712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	100197	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	111861	49.656	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.320%		
35) Dibromofluoromethane	8.159	113	89170	49.567	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.140%		
50) Toluene-d8	10.565	98	302694	45.677	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.360%		
62) 4-Bromofluorobenzene	12.847	95	110838	44.753	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	89.500%		
Target Compounds						Qvalue
44) Trichloroethene	9.347	130	266130	144.020	ug/l	98

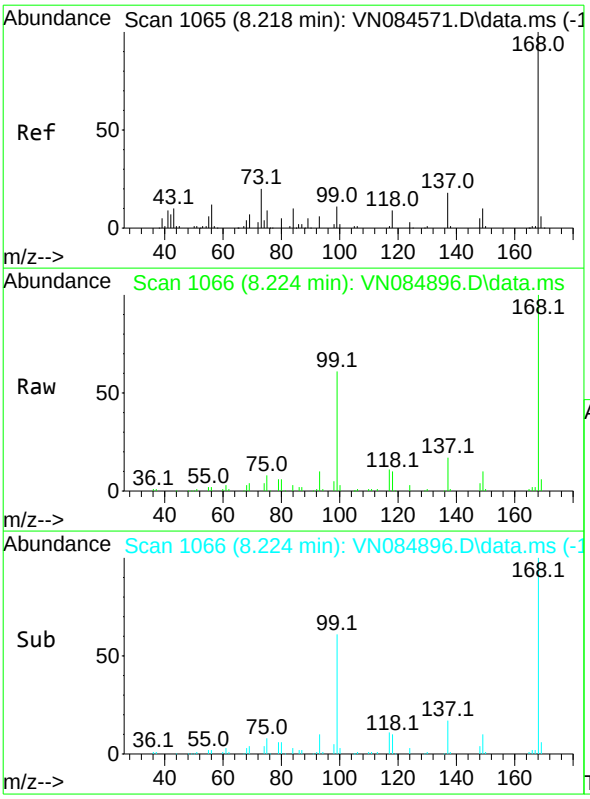
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084896.D
Acq On : 17 Nov 2024 15:36
Operator : JC\MD
Sample : P4845-11
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-33-20241112

Quant Time: Nov 18 00:21:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



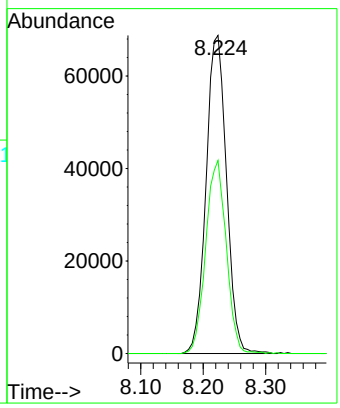


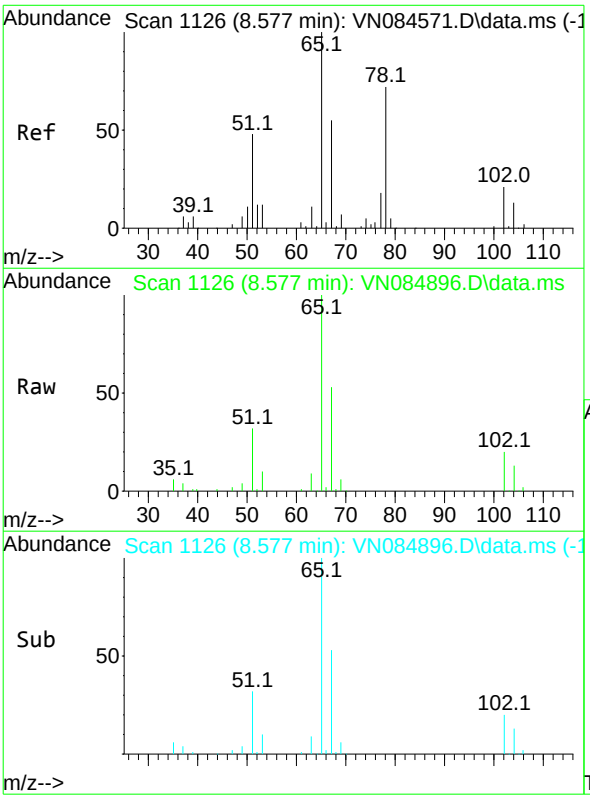
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084896.D
Acq: 17 Nov 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-33-20241112

Tgt Ion:168 Resp: 155970

Ion	Ratio	Lower	Upper
168	100		
99	60.7	54.2	81.2

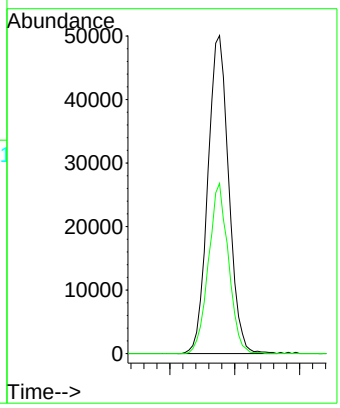


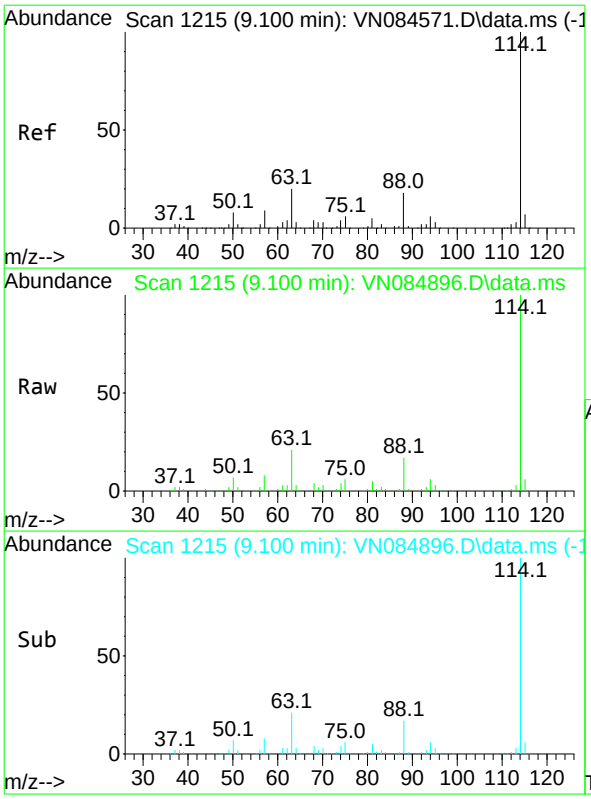


#33
1,2-Dichloroethane-d4
Concen: 49.656 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084896.D
Acq: 17 Nov 2024 15:36

Tgt Ion: 65 Resp: 111861

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	102.0



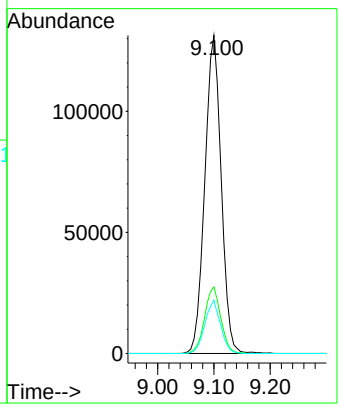


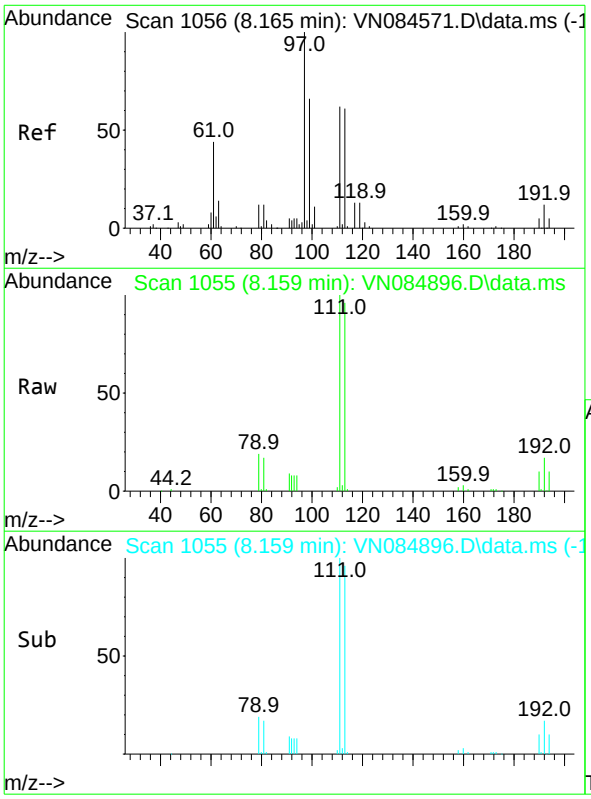
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084896.D
Acq: 17 Nov 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-33-20241112

Tgt Ion:114 Resp: 265775

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	43.8
88	16.8	0.0	31.6

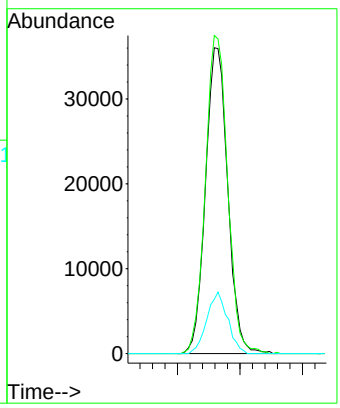


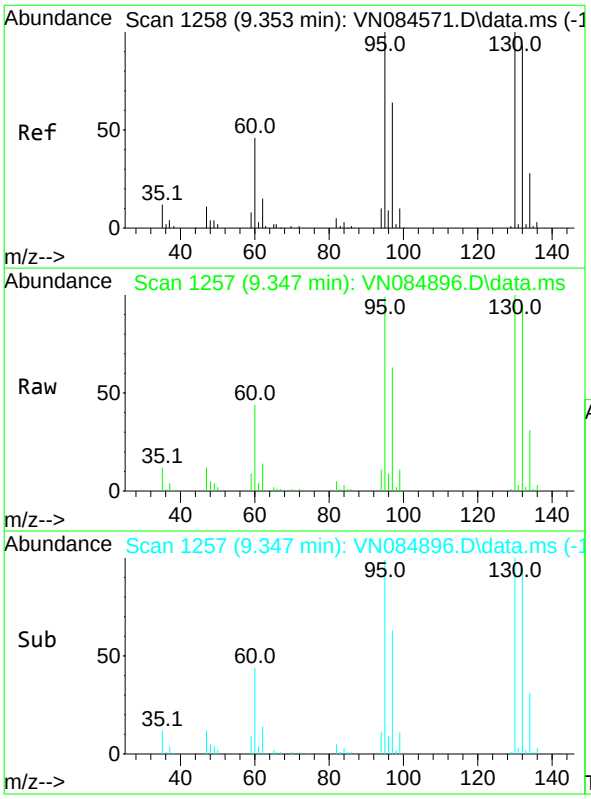


#35
Dibromofluoromethane
Concen: 49.567 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084896.D
Acq: 17 Nov 2024 15:36

Tgt Ion:113 Resp: 89170

Ion	Ratio	Lower	Upper
113	100		
111	103.9	83.3	124.9
192	18.8	13.5	20.3



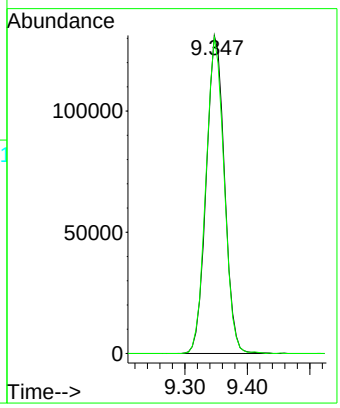


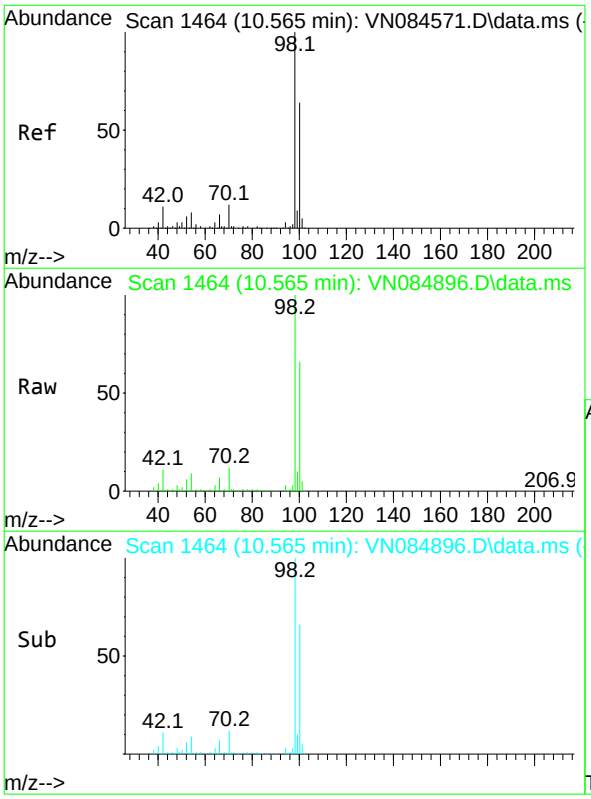
#44
Trichloroethene
Concen: 144.020 ug/l
RT: 9.347 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084896.D
Acq: 17 Nov 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-33-20241112

Tgt Ion:130 Resp: 266130

Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	203.0

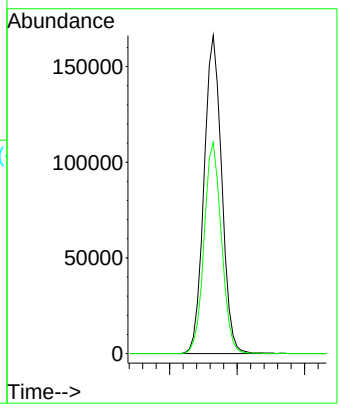


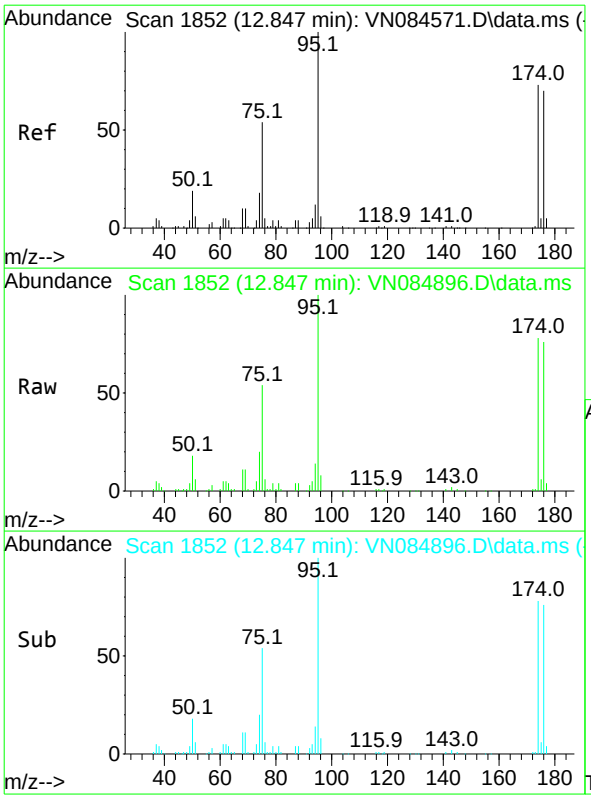


#50
Toluene-d8
Concen: 45.677 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084896.D
Acq: 17 Nov 2024 15:36

Tgt Ion: 98 Resp: 302694

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.7	79.1



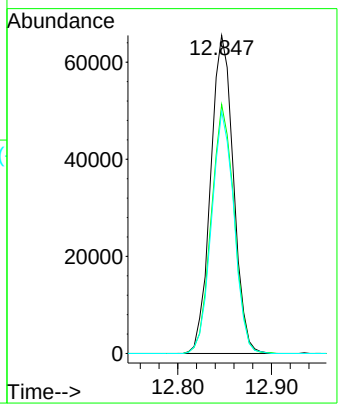


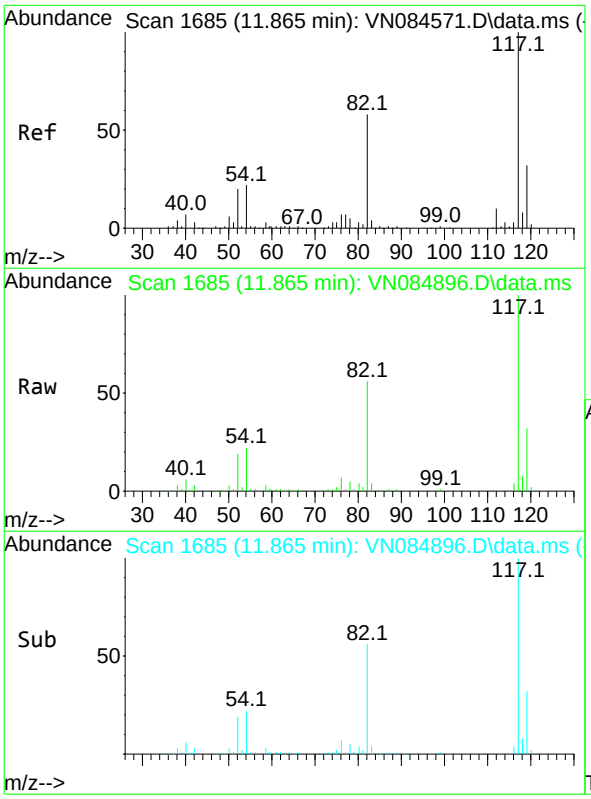
#62
4-Bromofluorobenzene
Concen: 44.753 ug/l
RT: 12.847 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084896.D
Acq: 17 Nov 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-33-20241112

Tgt Ion: 95 Resp: 110838

Ion	Ratio	Lower	Upper
95	100		
174	77.9	0.0	145.2
176	74.9	0.0	140.0

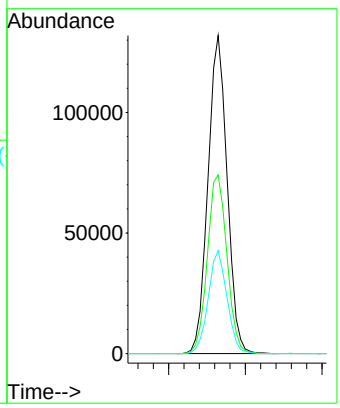


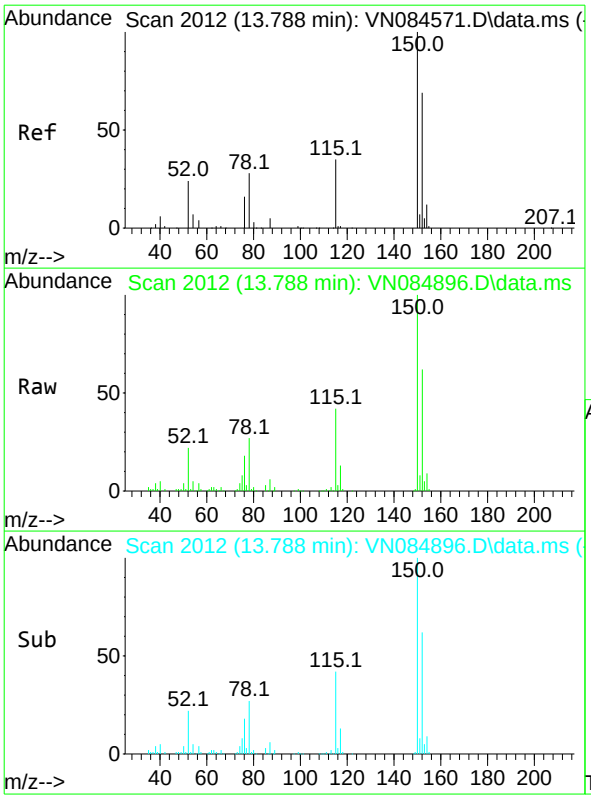


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084896.D
Acq: 17 Nov 2024 15:36

Tgt Ion:117 Resp: 228712

Ion	Ratio	Lower	Upper
117	100		
82	56.2	47.2	70.8
119	32.4	25.4	38.0



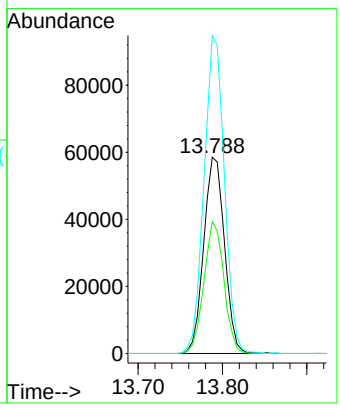


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084896.D
Acq: 17 Nov 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-33-20241112

Tgt Ion:152 Resp: 100197

Ion	Ratio	Lower	Upper
152	100		
115	64.6	31.3	93.9
150	158.7	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084896.D
Acq On : 17 Nov 2024 15:36
Operator : JC\MD
Sample : P4845-11
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-33-20241112

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084896.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.300	49	59	66	rBV4	9590	24107	1.63%	0.406%
2	2.859	140	154	155	rBV7	11429	31568	2.13%	0.532%
3	4.436	413	422	434	rBV	19477	58268	3.93%	0.981%
4	8.165	1046	1056	1060	rBV2	120862	292478	19.75%	4.925%
5	8.218	1060	1065	1077	rVB	210322	474711	32.05%	7.993%
6	8.577	1116	1126	1135	rBV	134885	296043	19.99%	4.985%
7	9.100	1204	1215	1225	rBV	306883	624043	42.13%	10.508%
8	9.347	1248	1257	1273	rBV	734552	1481161	100.00%	24.940%
9	10.565	1455	1464	1476	rBV	440209	799097	53.95%	13.455%
10	11.865	1677	1685	1694	rBV	401311	701630	47.37%	11.814%
11	12.847	1845	1852	1862	rVB	325291	537880	36.31%	9.057%
12	13.788	2005	2012	2020	rBV	372350	617897	41.72%	10.404%

Sum of corrected areas: 5938883

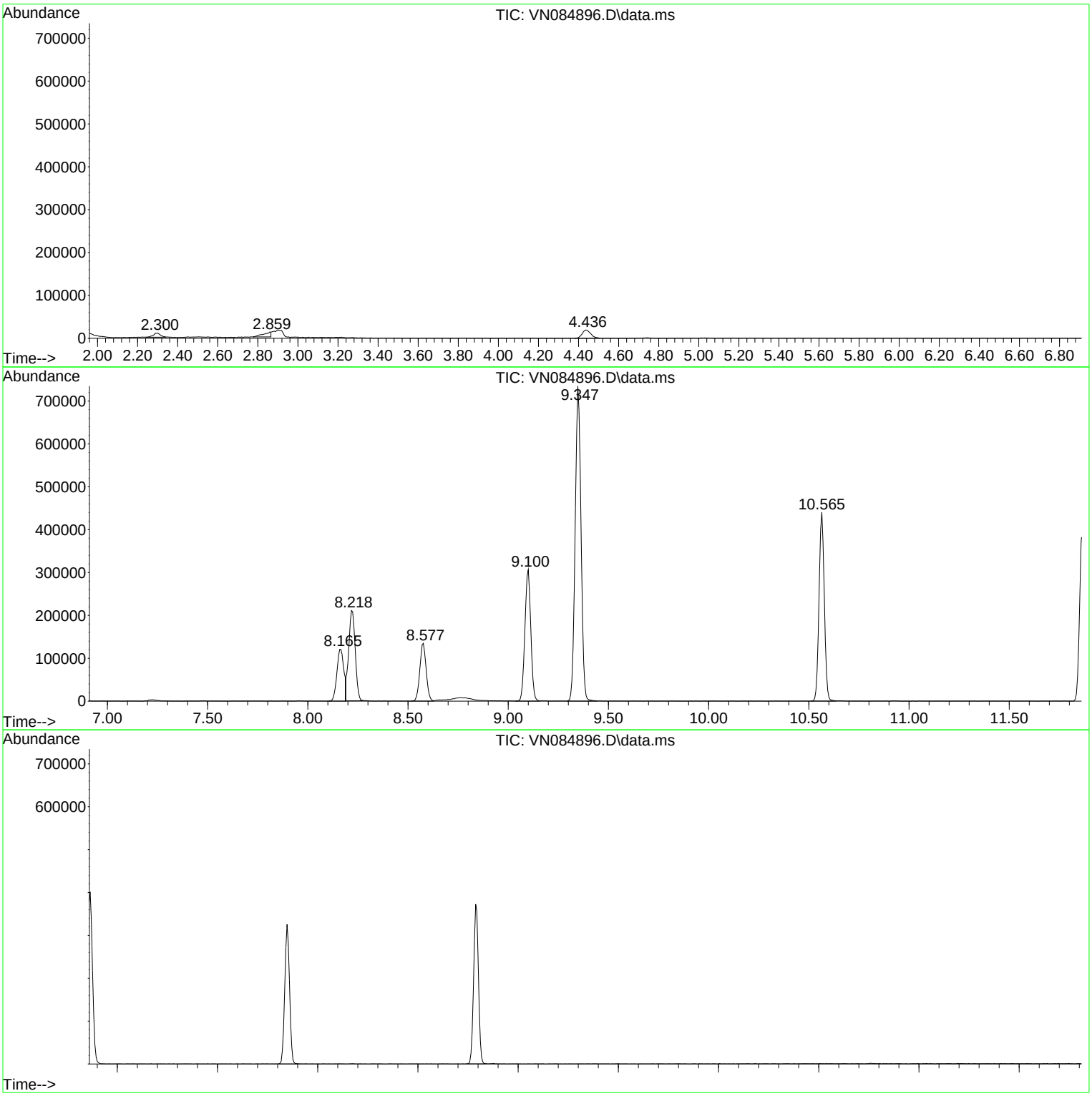
Sample Results: **VN084896.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084896.D
Acq On : 17 Nov 2024 15:36
Operator : JC\MD
Sample : P4845-11
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-33-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084896.D
Acq On : 17 Nov 2024 15:36
Operator : JC\MD
Sample : P4845-11
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-33-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

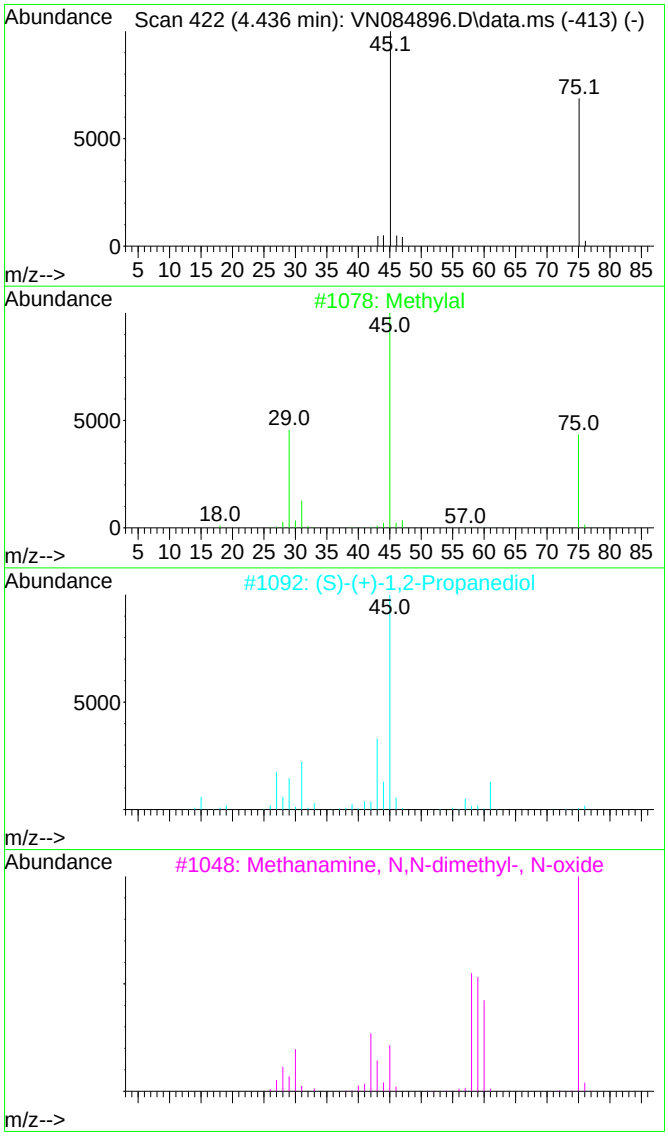
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

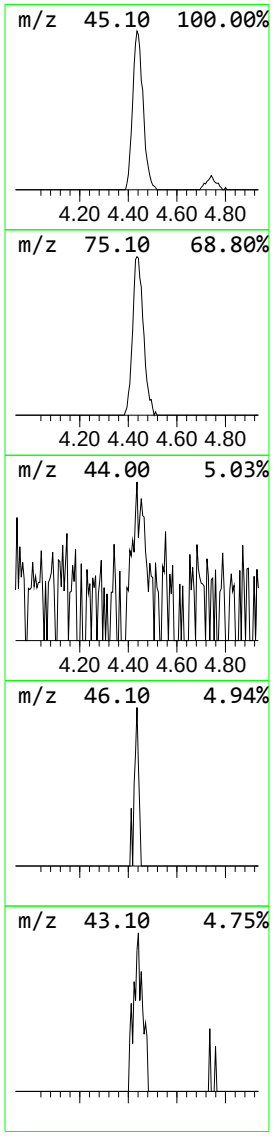
****

Peak Number 1 Methylal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.436	6.14 ug/l	58268	Pentafluorobenzene	8.224

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylal	76	C3H8O2	000109-87-5	90
2	(S)-(+)-1,2-Propanediol	76	C3H8O2	004254-15-3	5
3	Methanamine, N,N-dimethyl-, N-oxide	75	C3H9NO	001184-78-7	5
4	Ethanol, 2-methoxy-	76	C3H8O2	000109-86-4	5
5	Glycine	75	C2H5NO2	000056-40-6	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-33-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Methylal	4.436	6.1	ug/l	58268	1	8.224	474711	50.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-33-20241112DL	SDG No.:	P4845
Lab Sample ID:	P4845-11DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084944.D	5		11/19/24 14:05	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.50	UD	1.10	2.50	5.00	ug/L
74-87-3	Chloromethane	2.50	UD	1.80	2.50	5.00	ug/L
75-01-4	Vinyl Chloride	3.80	UD	1.70	3.80	5.00	ug/L
74-83-9	Bromomethane	18.8	UD	6.80	18.8	25.0	ug/L
75-00-3	Chloroethane	3.80	UD	2.80	3.80	5.00	ug/L
75-69-4	Trichlorofluoromethane	2.50	UD	1.70	2.50	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	UD	1.30	2.50	5.00	ug/L
75-35-4	1,1-Dichloroethene	3.80	UD	1.30	3.80	5.00	ug/L
67-64-1	Acetone	18.8	UD	7.00	18.8	25.0	ug/L
75-15-0	Carbon Disulfide	3.80	UD	1.60	3.80	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	2.50	UD	0.80	2.50	5.00	ug/L
79-20-9	Methyl Acetate	3.80	UD	3.00	3.80	5.00	ug/L
75-09-2	Methylene Chloride	2.50	UD	1.60	2.50	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	2.50	UD	1.30	2.50	5.00	ug/L
75-34-3	1,1-Dichloroethane	2.50	UD	1.20	2.50	5.00	ug/L
110-82-7	Cyclohexane	12.5	UD	8.10	12.5	25.0	ug/L
78-93-3	2-Butanone	12.5	UD	6.50	12.5	25.0	ug/L
56-23-5	Carbon Tetrachloride	2.50	UD	1.30	2.50	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	3.80	UD	1.30	3.80	5.00	ug/L
74-97-5	Bromochloromethane	2.50	UD	0.90	2.50	5.00	ug/L
67-66-3	Chloroform	2.50	UD	1.30	2.50	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	2.50	UD	0.95	2.50	5.00	ug/L
108-87-2	Methylcyclohexane	2.50	UD	0.95	2.50	5.00	ug/L
71-43-2	Benzene	2.50	UD	0.80	2.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	2.50	UD	1.20	2.50	5.00	ug/L
79-01-6	Trichloroethene	140	D	1.60	3.80	5.00	ug/L
78-87-5	1,2-Dichloropropane	2.50	UD	0.95	2.50	5.00	ug/L
75-27-4	Bromodichloromethane	2.50	UD	1.20	2.50	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	12.5	UD	3.80	12.5	25.0	ug/L
108-88-3	Toluene	2.50	UD	0.90	2.50	5.00	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-33-20241112DL	SDG No.:	P4845
Lab Sample ID:	P4845-11DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084944.D	5		11/19/24 14:05	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	2.50	UD	1.10	2.50	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	2.50	UD	0.90	2.50	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	2.50	UD	1.10	2.50	5.00	ug/L
591-78-6	2-Hexanone	12.5	UD	5.70	12.5	25.0	ug/L
124-48-1	Dibromochloromethane	2.50	UD	0.90	2.50	5.00	ug/L
106-93-4	1,2-Dibromoethane	2.50	UD	0.80	2.50	5.00	ug/L
127-18-4	Tetrachloroethene	2.50	UD	1.30	2.50	5.00	ug/L
108-90-7	Chlorobenzene	2.50	UD	0.65	2.50	5.00	ug/L
100-41-4	Ethyl Benzene	2.50	UD	0.80	2.50	5.00	ug/L
179601-23-1	m/p-Xylenes	5.00	UD	1.60	5.00	10.0	ug/L
95-47-6	o-Xylene	2.50	UD	0.70	2.50	5.00	ug/L
100-42-5	Styrene	2.50	UD	0.80	2.50	5.00	ug/L
75-25-2	Bromoform	2.50	UD	1.10	2.50	5.00	ug/L
98-82-8	Isopropylbenzene	2.50	UD	0.65	2.50	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.50	UD	1.40	2.50	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	2.50	UD	1.20	2.50	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	2.50	UD	1.40	2.50	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	2.50	UD	0.95	2.50	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	3.80	UD	2.30	3.80	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	2.50	UD	2.10	2.50	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	3.80	UD	2.60	3.80	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.9		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	46.2		89 - 112		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.0		85 - 114		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	178000	8.224				
540-36-3	1,4-Difluorobenzene	319000	9.1				
3114-55-4	Chlorobenzene-d5	285000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	120000	13.788				

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Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-33-20241112DL	SDG No.:	P4845
Lab Sample ID:	P4845-11DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084944.D	5		11/19/24 14:05	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084944.D
Acq On : 19 Nov 2024 14:05
Operator : JC\MD
Sample : P4845-11DL 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-33-20241112DL

Quant Time: Nov 20 00:28:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

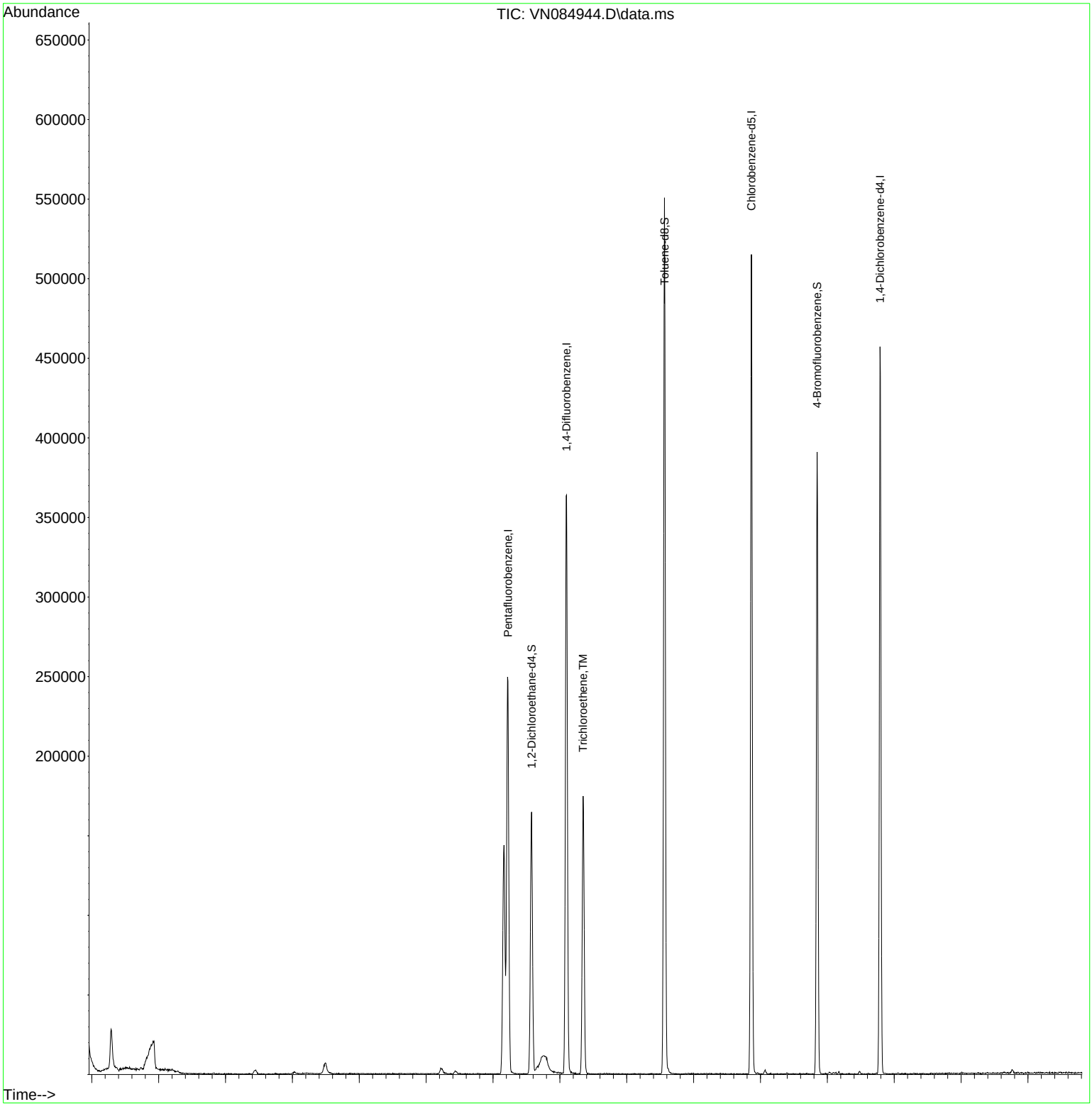
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	177869	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	318918	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	284593	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	120391	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	133368	51.914	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.820%			
35) Dibromofluoromethane	8.159	113	104519	48.418	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.840%			
50) Toluene-d8	10.565	98	367373	46.199	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.400%			
62) 4-Bromofluorobenzene	12.847	95	139783	47.035	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.080%			
Target Compounds						Qvalue
44) Trichloroethene	9.347	130	62151	28.029	ug/l	93

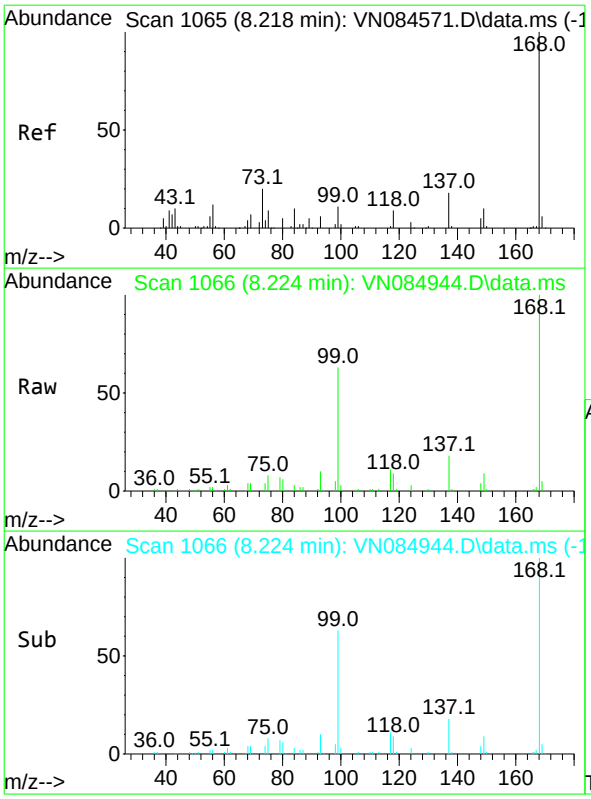
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084944.D
Acq On : 19 Nov 2024 14:05
Operator : JC\MD
Sample : P4845-11DL 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-33-20241112DL

Quant Time: Nov 20 00:28:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



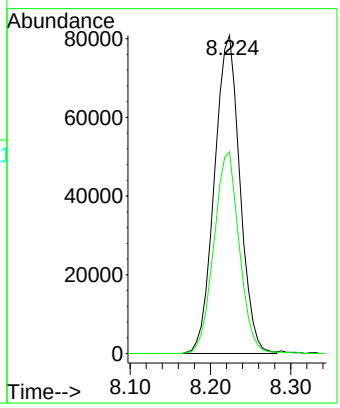


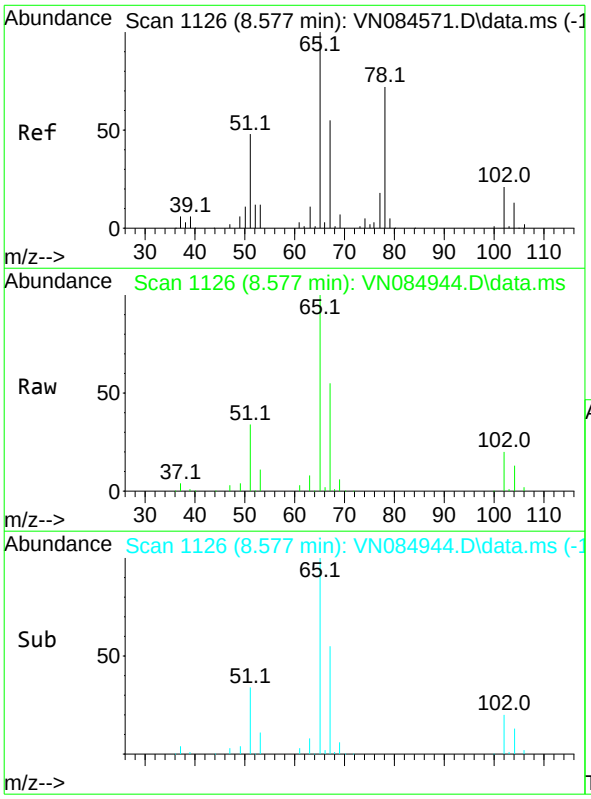
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084944.D
Acq: 19 Nov 2024 14:05

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-33-20241112DL

Tgt Ion:168 Resp: 177869

Ion	Ratio	Lower	Upper
168	100		
99	63.4	54.2	81.2

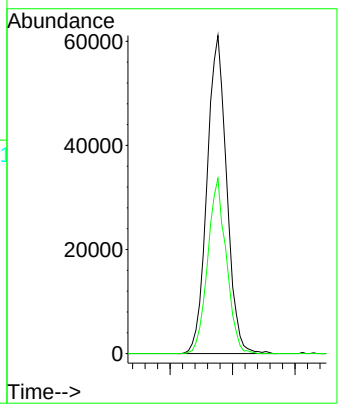


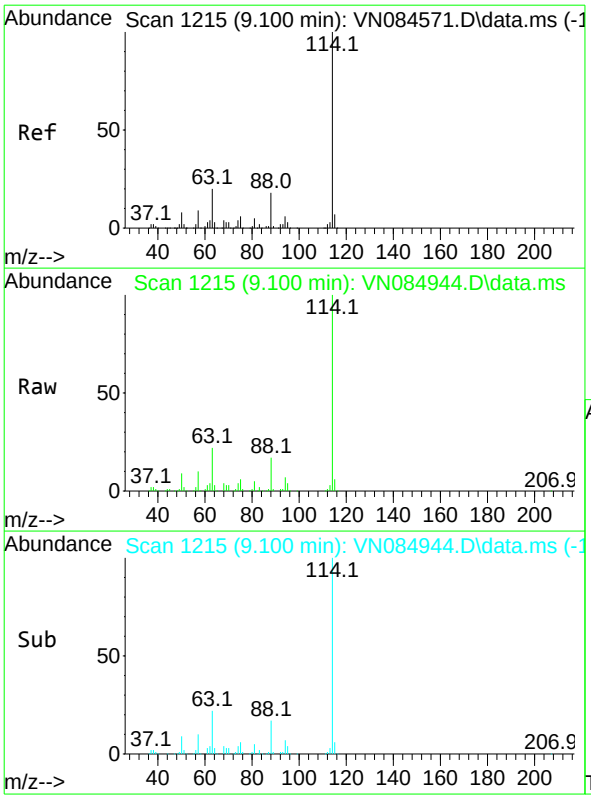


#33
1,2-Dichloroethane-d4
Concen: 51.914 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084944.D
Acq: 19 Nov 2024 14:05

Tgt Ion: 65 Resp: 133368

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	102.0



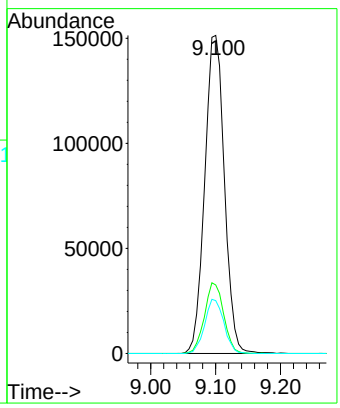


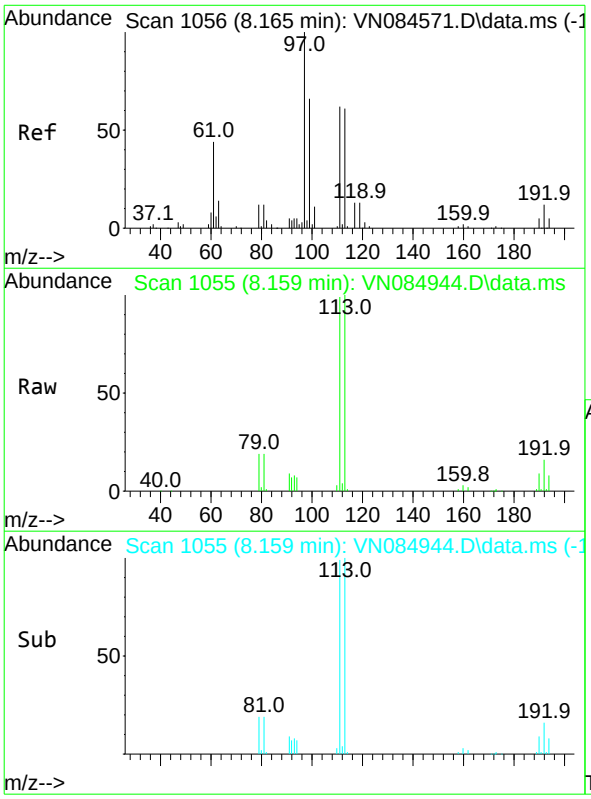
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084944.D
Acq: 19 Nov 2024 14:05

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-33-20241112DL

Tgt Ion:114 Resp: 318918

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.8
88	16.6	0.0	31.6

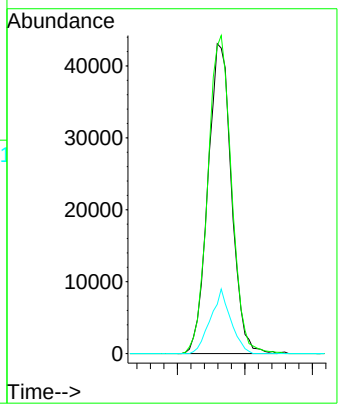


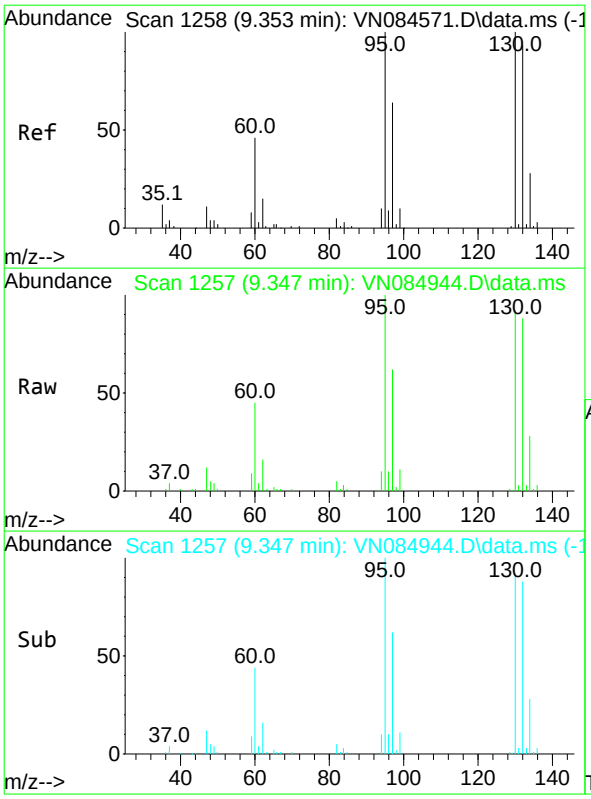


#35
Dibromofluoromethane
Concen: 48.418 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084944.D
Acq: 19 Nov 2024 14:05

Tgt Ion:113 Resp: 104519

Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.3	124.9
192	17.9	13.5	20.3



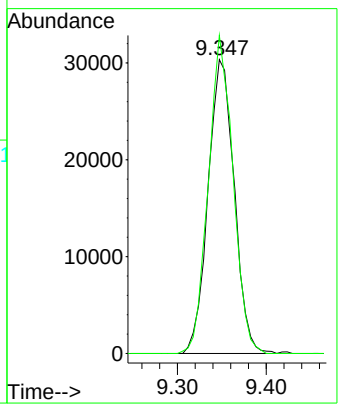


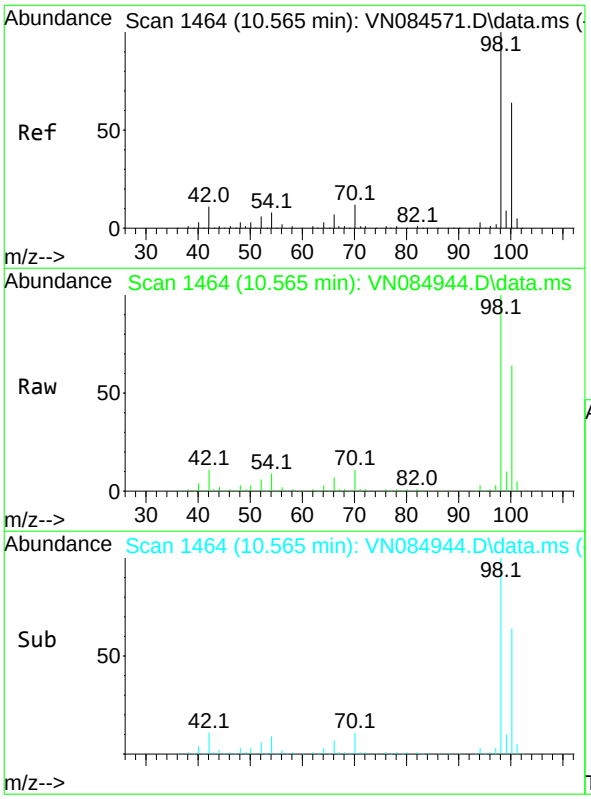
#44
Trichloroethene
Concen: 28.029 ug/l
RT: 9.347 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084944.D
Acq: 19 Nov 2024 14:05

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-33-20241112DL

Tgt Ion:130 Resp: 62151

Ion	Ratio	Lower	Upper
130	100		
95	108.2	0.0	203.0

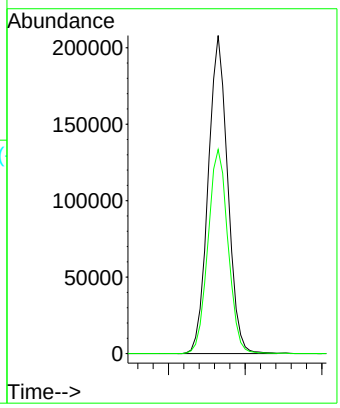


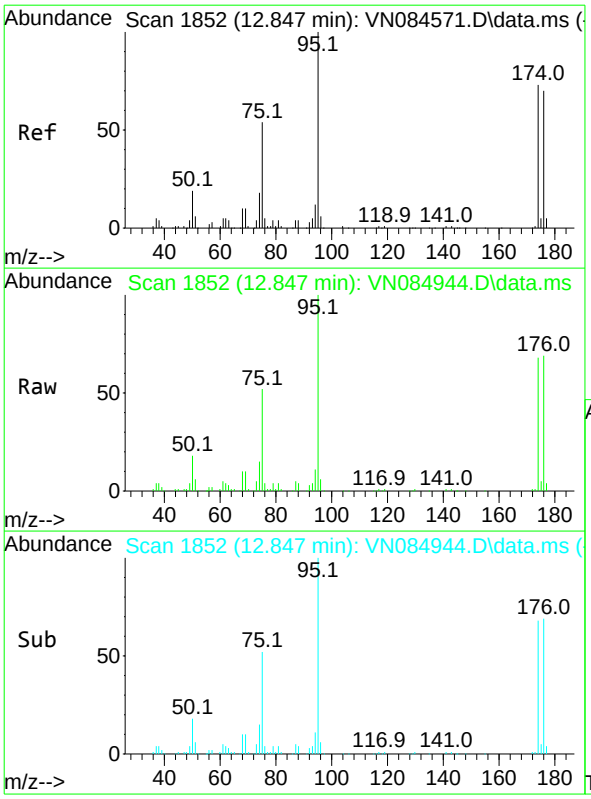


#50
Toluene-d8
Concen: 46.199 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084944.D
Acq: 19 Nov 2024 14:05

Tgt Ion: 98 Resp: 367373

Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.7	79.1



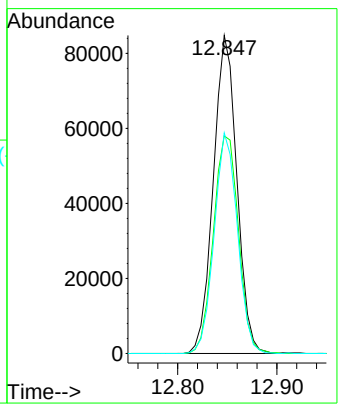


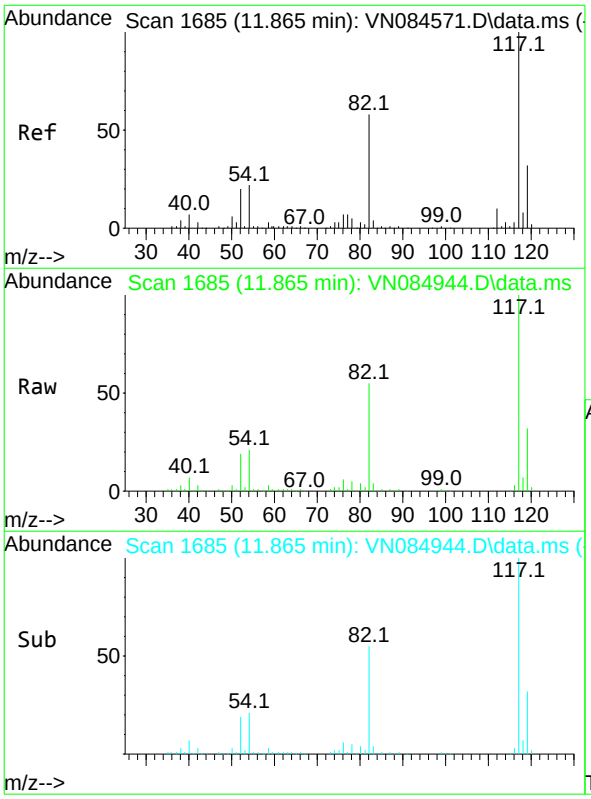
#62
4-Bromofluorobenzene
Concen: 47.035 ug/l
RT: 12.847 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084944.D
Acq: 19 Nov 2024 14:05

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-33-20241112DL

Tgt Ion: 95 Resp: 139783

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	145.2
176	68.6	0.0	140.0

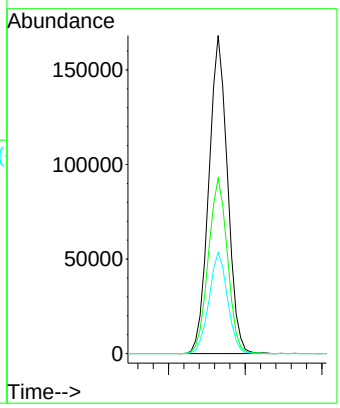


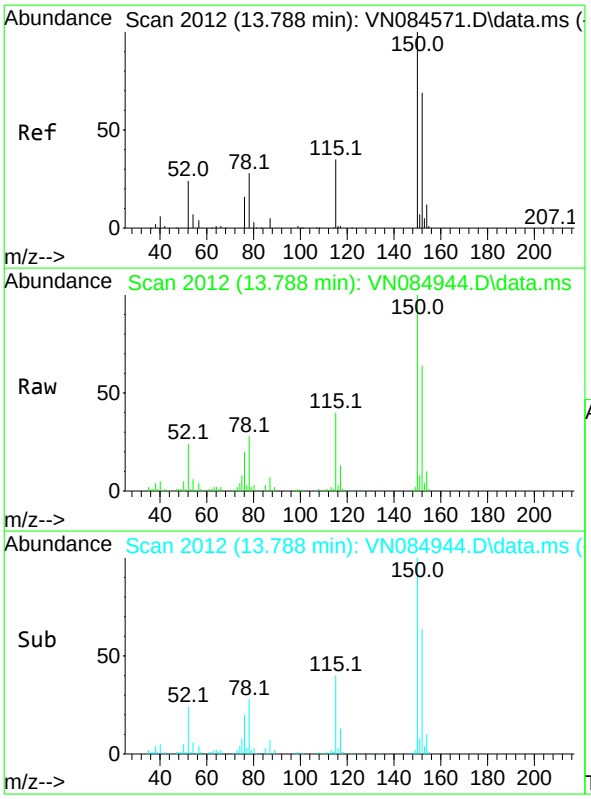


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084944.D
Acq: 19 Nov 2024 14:05

Tgt Ion:117 Resp: 284593

Ion	Ratio	Lower	Upper
117	100		
82	55.2	47.2	70.8
119	31.8	25.4	38.0



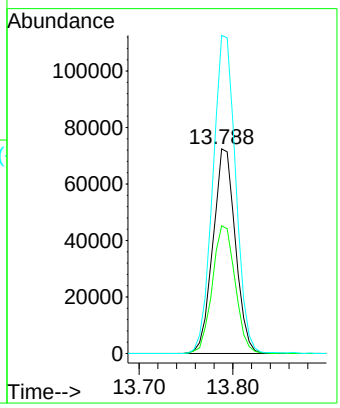


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084944.D
Acq: 19 Nov 2024 14:05

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-33-20241112DL

Tgt Ion:152 Resp: 120391

Ion	Ratio	Lower	Upper
152	100		
115	63.7	31.3	93.9
150	158.8	0.0	349.8



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-31-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-12	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084969.D	1		11/20/24 15:21	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	7.90		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	30.4		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-31-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-12	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084969.D	1		11/20/24 15:21	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.5		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	45.9		89 - 112		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	168000	8.224				
540-36-3	1,4-Difluorobenzene	301000	9.1				
3114-55-4	Chlorobenzene-d5	267000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	118000	13.788				
TENTATIVE IDENTIFIED COMPOUNDS							

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-31-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-12	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084969.D	1		11/20/24 15:21	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000064-19-7	Acetic acid	9.00	J			8.72	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.41	J			13.5	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084969.D
Acq On : 20 Nov 2024 15:21
Operator : JC\MD
Sample : P4845-12
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-31-20241112

Quant Time: Nov 21 00:39:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

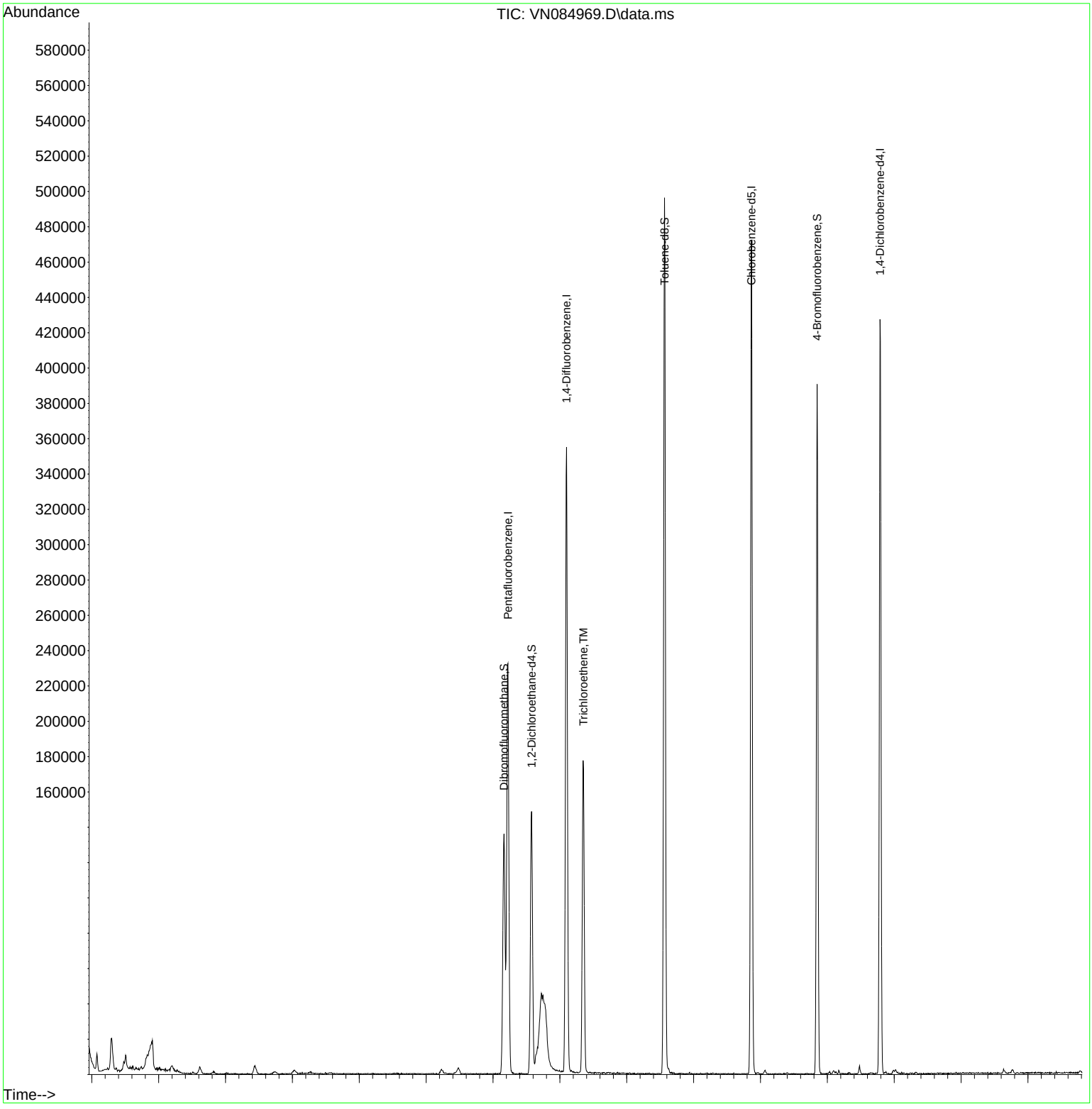
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	167675	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	301208	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	267303	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118493	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	124659	51.474	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.940%			
35) Dibromofluoromethane	8.165	113	98680	48.401	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.800%			
50) Toluene-d8	10.565	98	344454	45.864	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.720%			
62) 4-Bromofluorobenzene	12.847	95	137485	48.982	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.960%			
Target Compounds						Qvalue
16) Acetone	4.442	43	7486	7.939	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	2313	1.010	ug/l	72
44) Trichloroethene	9.353	130	63672	30.404	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	2914	0.410	ug/l	100

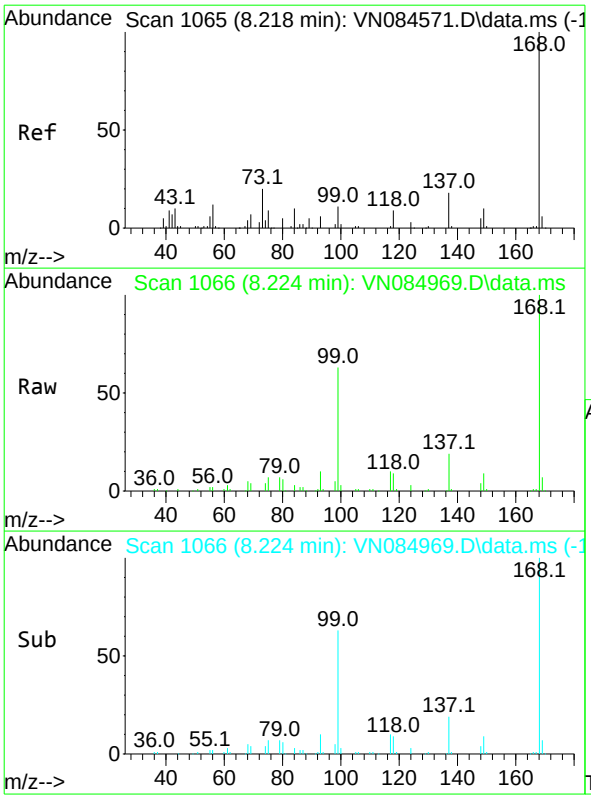
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084969.D
Acq On : 20 Nov 2024 15:21
Operator : JC\MD
Sample : P4845-12
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-31-20241112

Quant Time: Nov 21 00:39:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



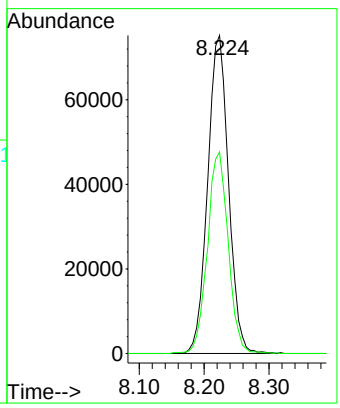


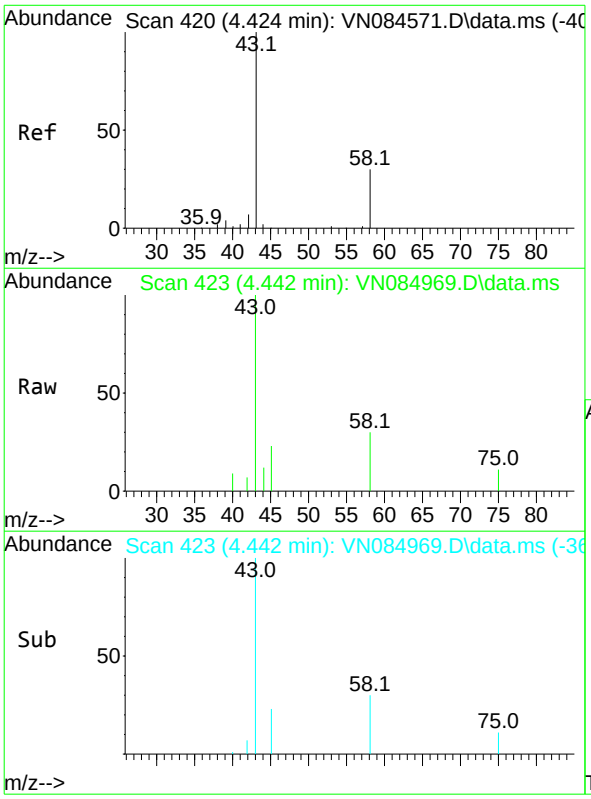
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084969.D
Acq: 20 Nov 2024 15:21

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-31-20241112

Tgt Ion:168 Resp: 167675

Ion	Ratio	Lower	Upper
168	100		
99	63.1	54.2	81.2

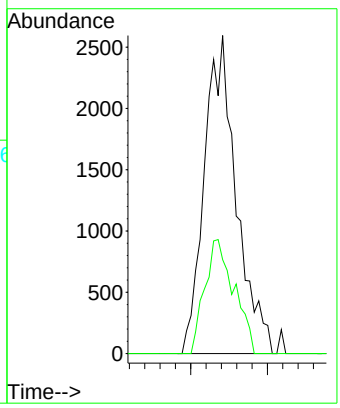


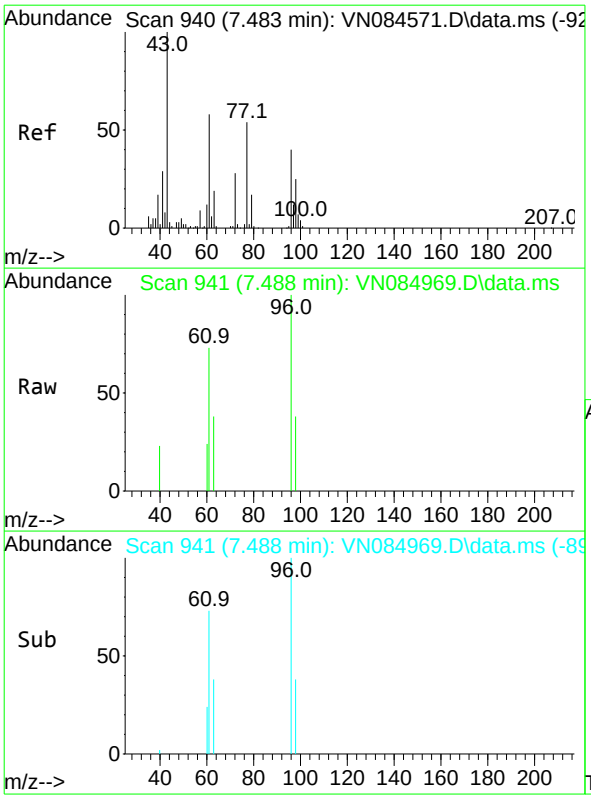


#16
Acetone
Concen: 7.939 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN084969.D
Acq: 20 Nov 2024 15:21

Tgt Ion: 43 Resp: 7486

Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.4	36.6



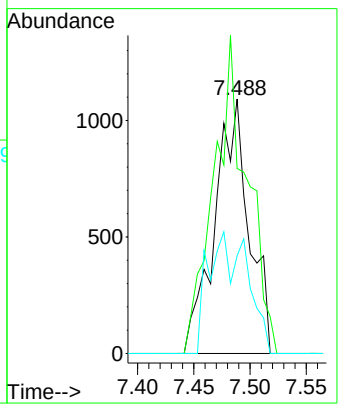


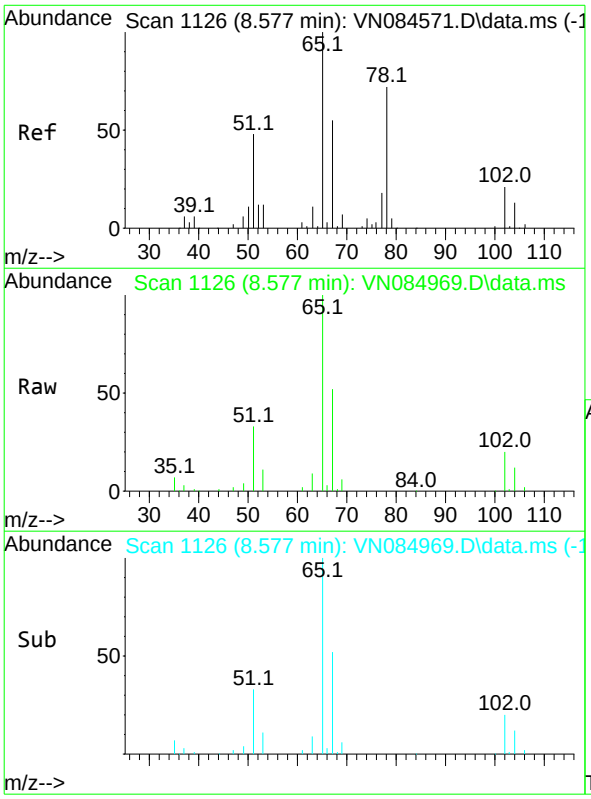
#27
cis-1,2-Dichloroethene
Concen: 1.010 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084969.D
Acq: 20 Nov 2024 15:21

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-31-20241112

Tgt Ion: 96 Resp: 2313

Ion	Ratio	Lower	Upper
96	100		
61	122.5	0.0	301.8
98	30.8	0.0	128.2

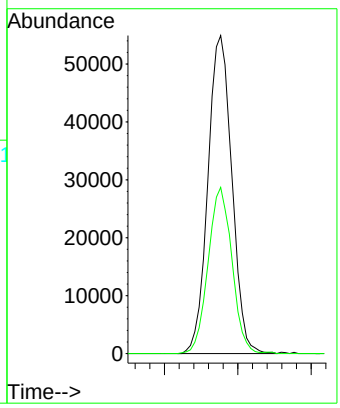


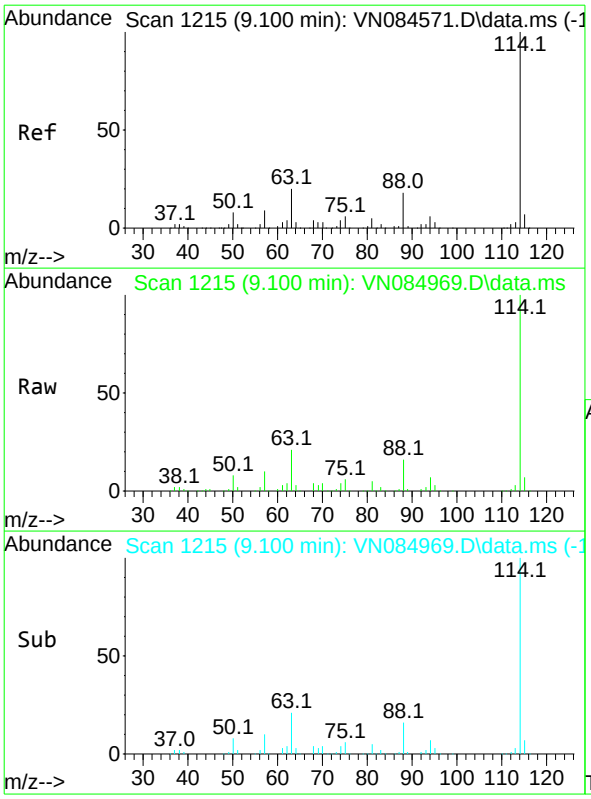


#33
1,2-Dichloroethane-d4
Concen: 51.474 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084969.D
Acq: 20 Nov 2024 15:21

Tgt Ion: 65 Resp: 124659

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	102.0



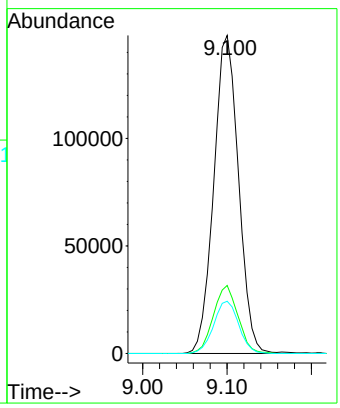


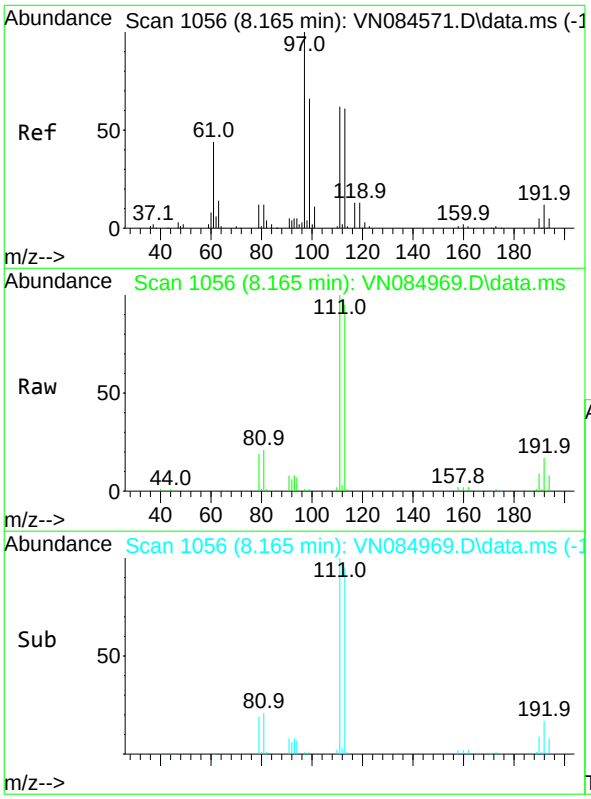
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084969.D
Acq: 20 Nov 2024 15:21

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-31-20241112

Tgt Ion:114 Resp: 301208

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.8
88	16.4	0.0	31.6

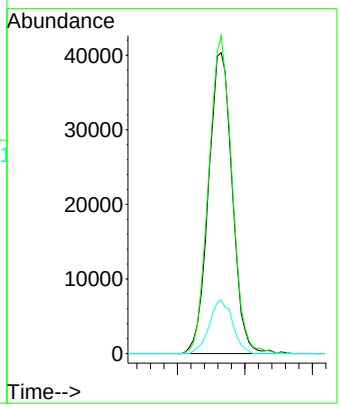


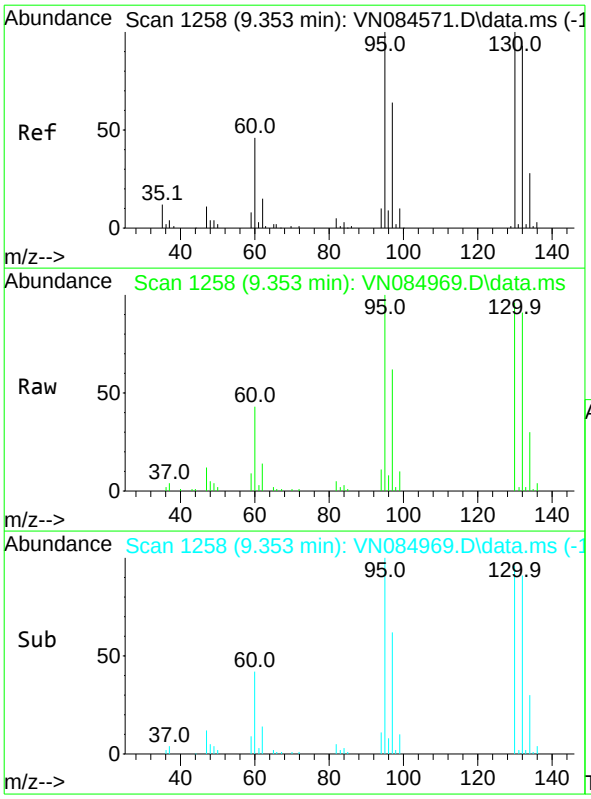


#35
Dibromofluoromethane
Concen: 48.401 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084969.D
Acq: 20 Nov 2024 15:21

Tgt Ion:113 Resp: 98680

Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.3	124.9
192	17.4	13.5	20.3



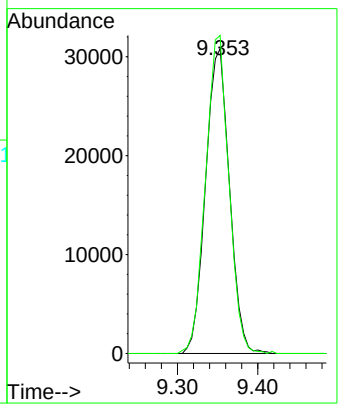


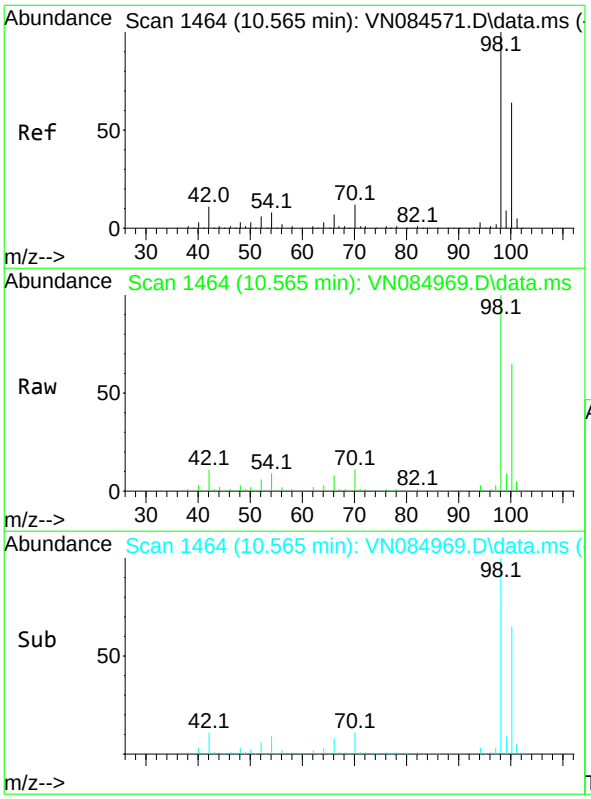
#44
Trichloroethene
Concen: 30.404 ug/l
RT: 9.353 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN084969.D
Acq: 20 Nov 2024 15:21

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-31-20241112

Tgt Ion:130 Resp: 63672

Ion	Ratio	Lower	Upper
130	100		
95	104.3	0.0	203.0

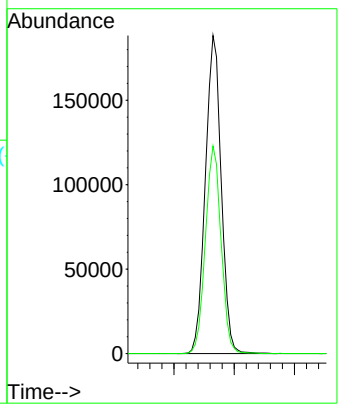


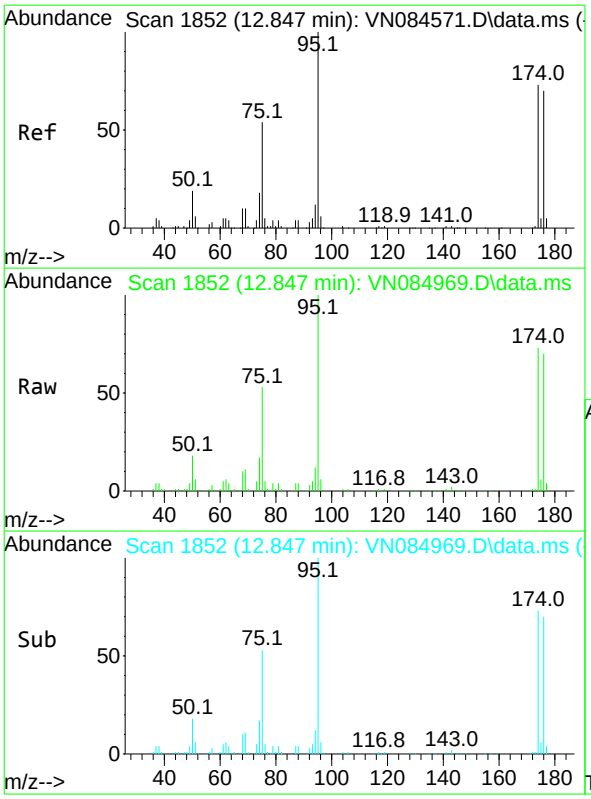


#50
Toluene-d8
Concen: 45.864 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084969.D
Acq: 20 Nov 2024 15:21

Tgt Ion: 98 Resp: 344454

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.7	79.1



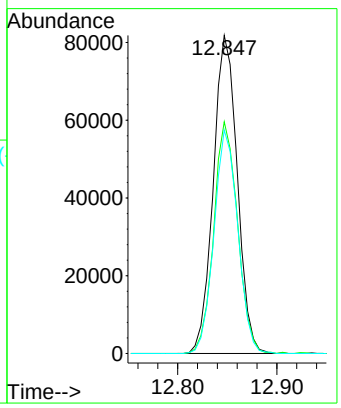


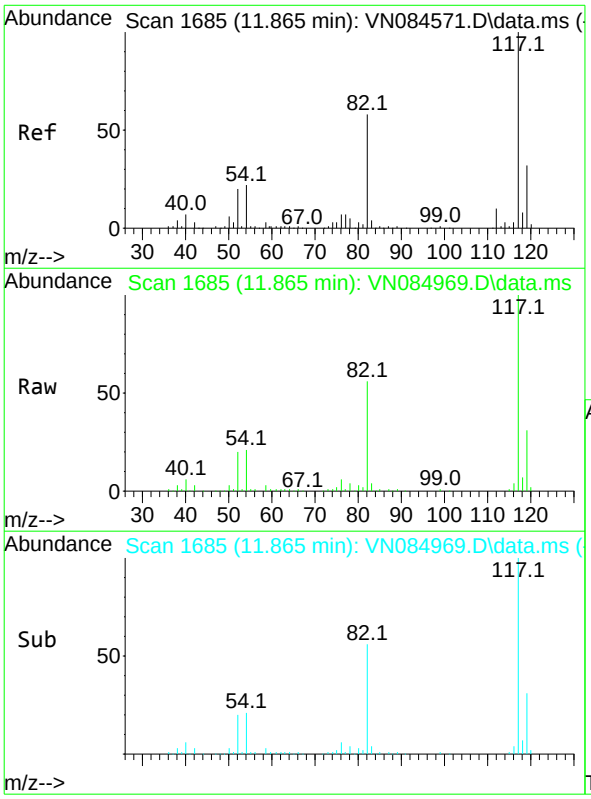
#62
4-Bromofluorobenzene
Concen: 48.982 ug/l
RT: 12.847 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084969.D
Acq: 20 Nov 2024 15:21

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-31-20241112

Tgt Ion: 95 Resp: 137485

Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	145.2
176	69.6	0.0	140.0

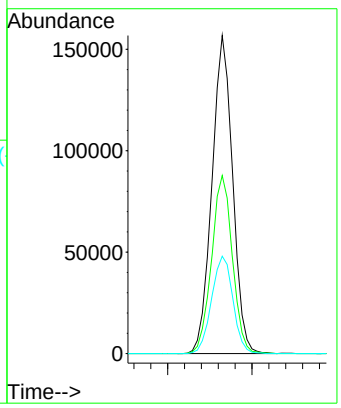


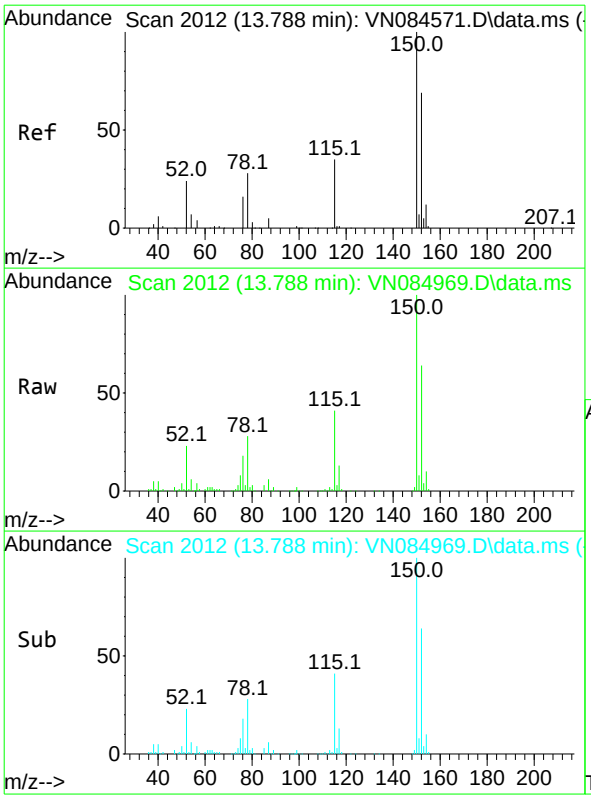


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084969.D
Acq: 20 Nov 2024 15:21

Tgt Ion:117 Resp: 267303

Ion	Ratio	Lower	Upper
117	100		
82	56.0	47.2	70.8
119	30.6	25.4	38.0



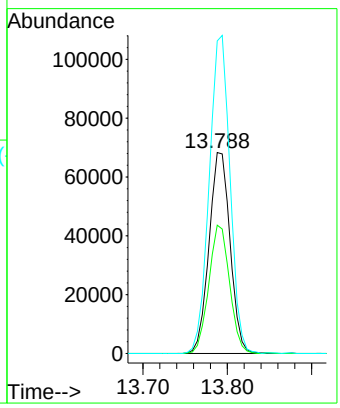


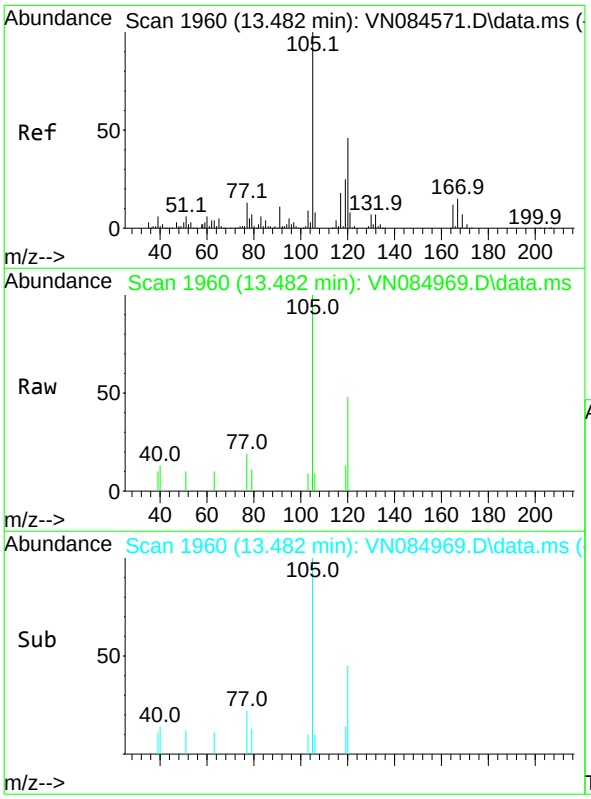
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084969.D
Acq: 20 Nov 2024 15:21

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-31-20241112

Tgt Ion:152 Resp: 118493

Ion	Ratio	Lower	Upper
152	100		
115	62.9	31.3	93.9
150	156.1	0.0	349.8

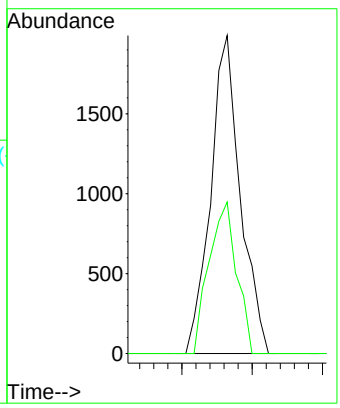




#84
1,2,4-Trimethylbenzene
Concen: 0.410 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084969.D
Acq: 20 Nov 2024 15:21

Tgt Ion:105 Resp: 2914

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.3	66.8



Sample Results: **VN084969.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084969.D
Acq On : 20 Nov 2024 15:21
Operator : JC\MD
Sample : P4845-12
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-31-20241112

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084969.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.077	17	21	26	rVB	9803	14053	1.54%	0.247%
2	2.295	50	58	68	rBV2	17879	41888	4.58%	0.737%
3	2.506	91	94	102	rVB4	7932	13265	1.45%	0.233%
4	2.830	139	149	151	rBV4	7808	19461	2.13%	0.342%
5	2.906	151	162	170	rVB6	16528	61322	6.71%	1.079%
6	3.612	275	282	291	rBV3	3983	9443	1.03%	0.166%
7	4.442	415	423	430	rBV2	4655	12229	1.34%	0.215%
8	7.483	932	940	947	rVB5	3623	9834	1.08%	0.173%
9	8.165	1046	1056	1060	rBV	135944	320663	35.07%	5.640%
10	8.224	1060	1066	1080	rVB	232269	528663	57.81%	9.298%
11	8.577	1116	1126	1134	rBV	148602	335761	36.72%	5.905%
12	8.724	1134	1151	1153	rBV2	39938	127752	13.97%	2.247%
13	9.100	1207	1215	1225	rVB	353499	713466	78.02%	12.548%
14	9.347	1245	1257	1271	rVB	176990	361033	39.48%	6.350%
15	10.565	1456	1464	1478	rBV	495710	914409	100.00%	16.082%
16	11.865	1677	1685	1696	rVB	471983	820693	89.75%	14.434%
17	12.847	1845	1852	1861	rBV	390503	647241	70.78%	11.383%
18	13.788	2004	2012	2021	rVB	427085	734680	80.34%	12.921%

Sum of corrected areas: 5685856

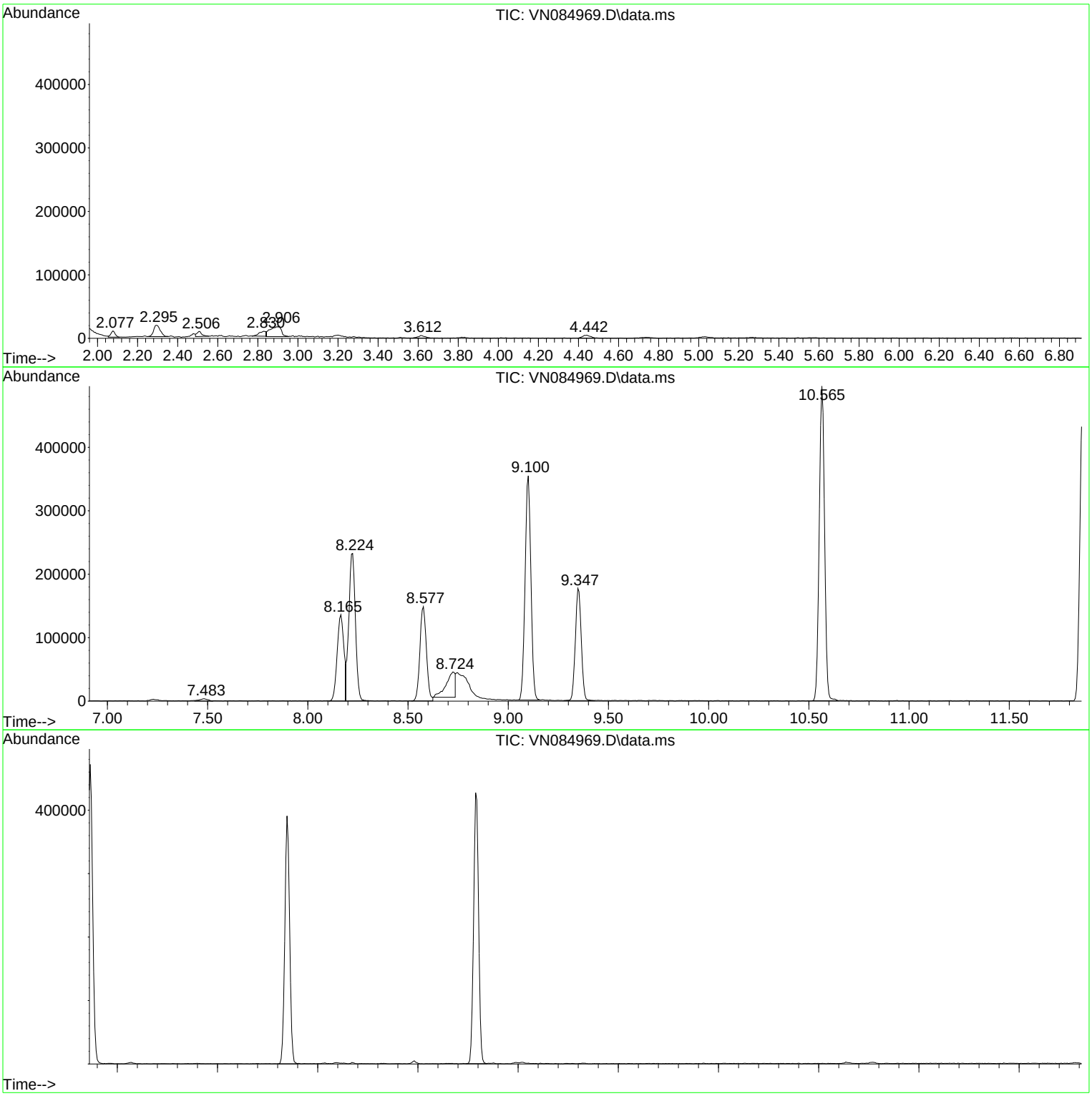
Sample Results: **VN084969.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084969.D
Acq On : 20 Nov 2024 15:21
Operator : JC\MD
Sample : P4845-12
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-31-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084969.D
Acq On : 20 Nov 2024 15:21
Operator : JC\MD
Sample : P4845-12
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-31-20241112

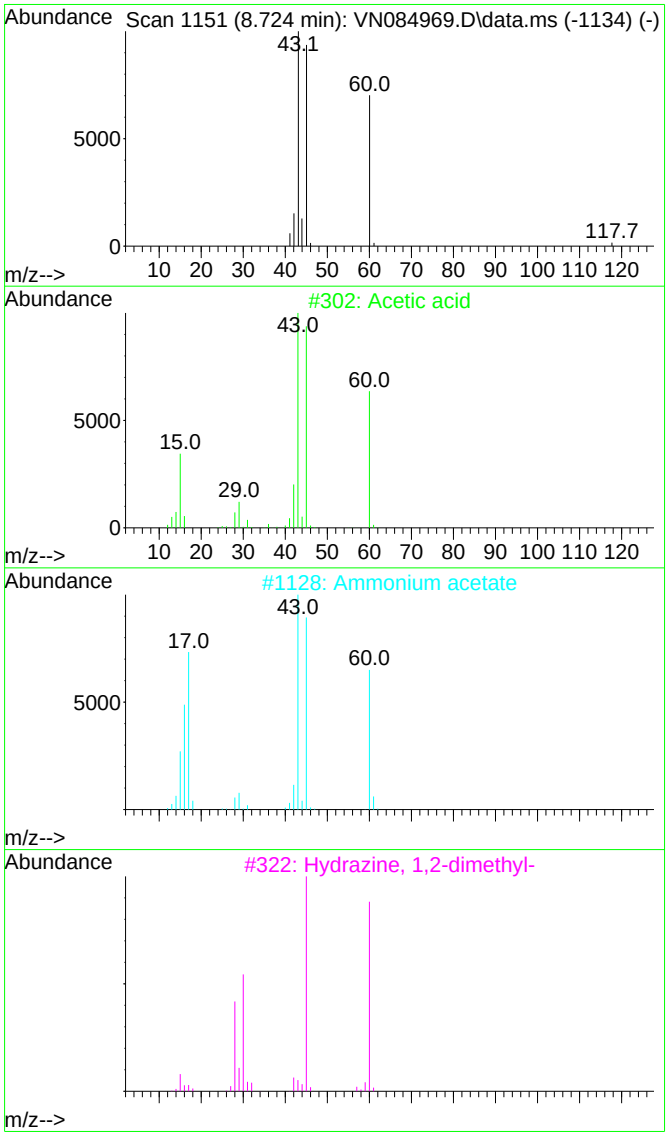
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

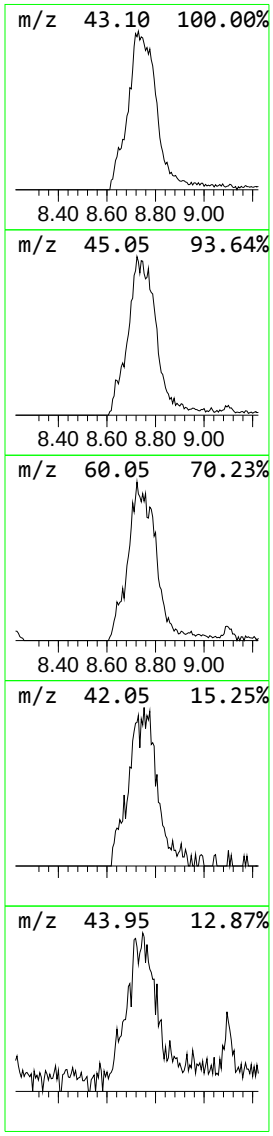
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Acetic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.724	8.95 ug/l	127752	1,4-Difluorobenzene	9.100

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid	60	C2H4O2	000064-19-7	90
2	Ammonium acetate	77	C2H7NO2	000631-61-8	64
3	Hydrazine, 1,2-dimethyl-	60	C2H8N2	000540-73-8	50
4	Hydrazine, 1,1-dimethyl-	60	C2H8N2	000057-14-7	9
5	Formic acid hydrazide	60	CH4N2O	000624-84-0	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084969.D
Acq On : 20 Nov 2024 15:21
Operator : JC\MD
Sample : P4845-12
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-31-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Acetic acid	8.724	8.9	ug/l	127752	2	9.100	713466	50.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/11/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-9-20241111	SDG No.:	P4845
Lab Sample ID:	P4845-13	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084898.D	1		11/17/24 16:24	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.96	J	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/11/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-9-20241111	SDG No.:	P4845
Lab Sample ID:	P4845-13	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084898.D	1		11/17/24 16:24	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.8		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	45.5		89 - 112		91%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.9		85 - 114		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	149000	8.224				
540-36-3	1,4-Difluorobenzene	257000	9.1				
3114-55-4	Chlorobenzene-d5	227000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	103000	13.788				

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/11/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-9-20241111	SDG No.:	P4845
Lab Sample ID:	P4845-13	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084898.D	1		11/17/24 16:24	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084898.D
Acq On : 17 Nov 2024 16:24
Operator : JC\MD
Sample : P4845-13
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-9-20241111

Quant Time: Nov 18 00:22:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

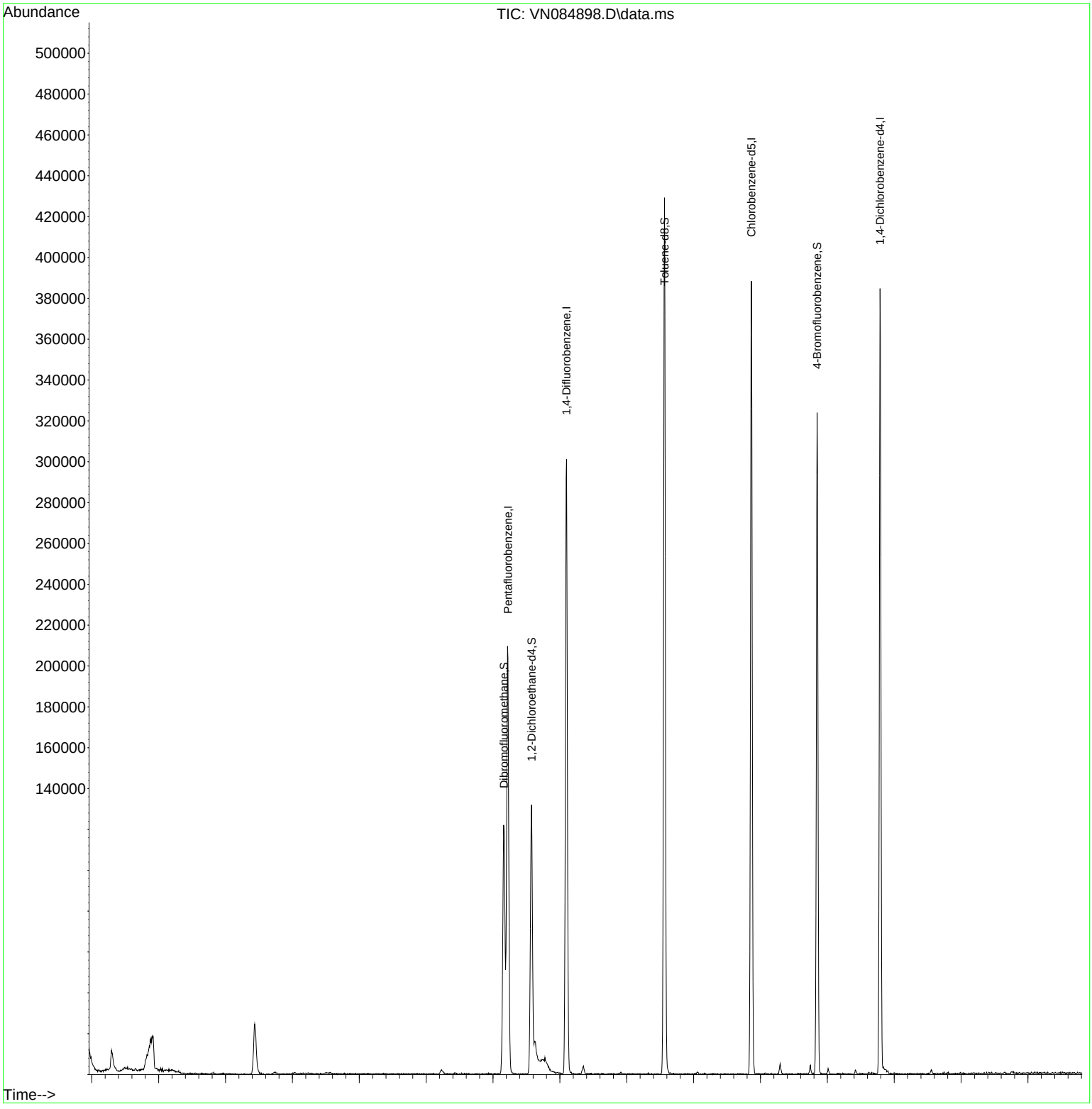
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	148908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	256605	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	226841	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	103436	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	109168	50.758	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.520%			
35) Dibromofluoromethane	8.165	113	87934	50.627	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.260%			
50) Toluene-d8	10.565	98	291164	45.507	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.020%			
62) 4-Bromofluorobenzene	12.847	95	114472	47.872	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.740%			
Target Compounds						Qvalue
16) Acetone	4.436	43	2418	1.052	ug/l #	73
44) Trichloroethene	9.353	130	1707	0.957	ug/l	83

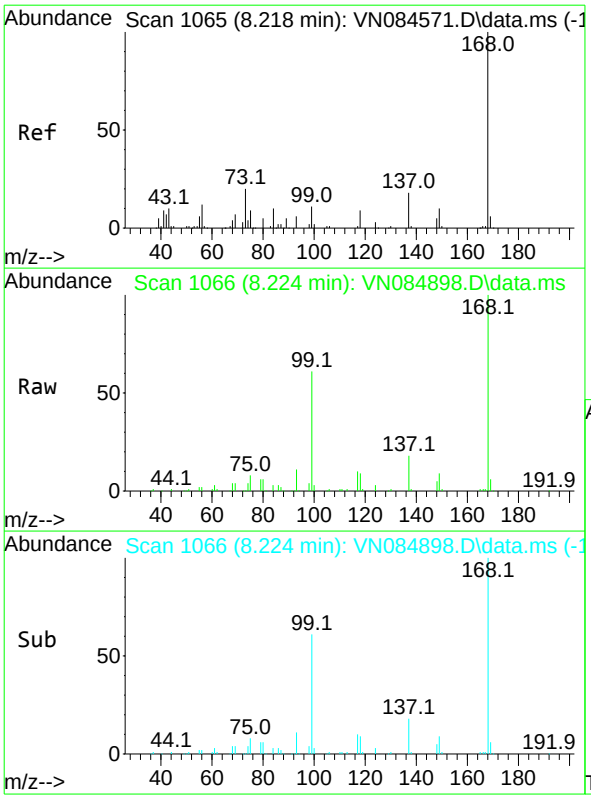
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084898.D
Acq On : 17 Nov 2024 16:24
Operator : JC\MD
Sample : P4845-13
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-9-20241111

Quant Time: Nov 18 00:22:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



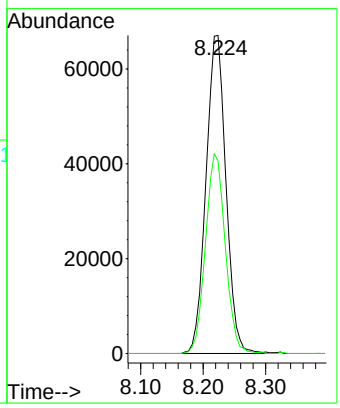


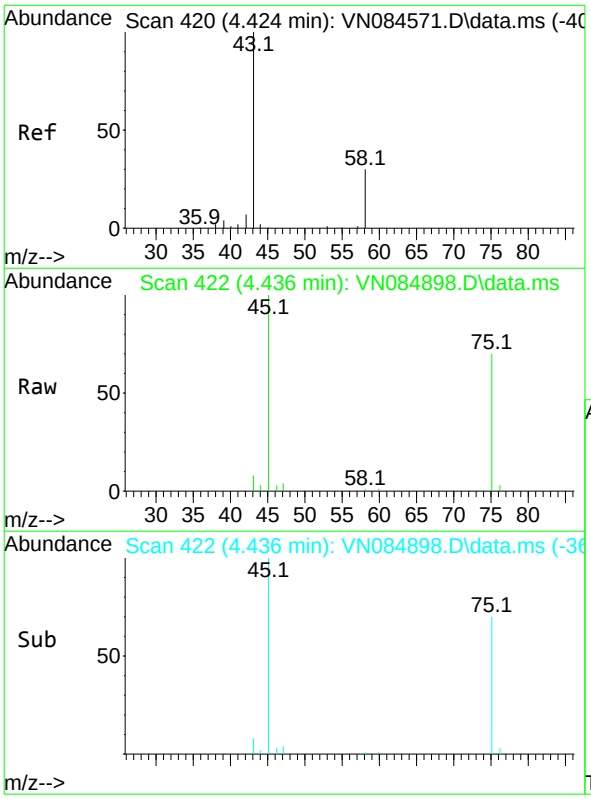
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084898.D
Acq: 17 Nov 2024 16:24

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-9-20241111

Tgt Ion:168 Resp: 148908

Ion	Ratio	Lower	Upper
168	100		
99	60.6	54.2	81.2

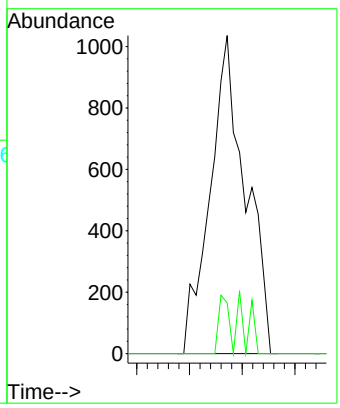


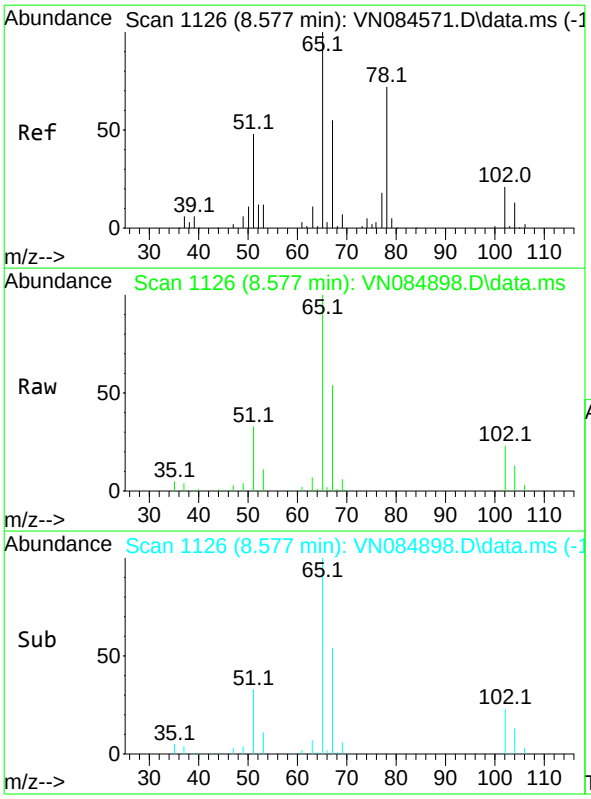


#16
Acetone
Concen: 1.052 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN084898.D
Acq: 17 Nov 2024 16:24

Tgt Ion: 43 Resp: 2418

Ion	Ratio	Lower	Upper
43	100		
58	15.9	24.4	36.6#



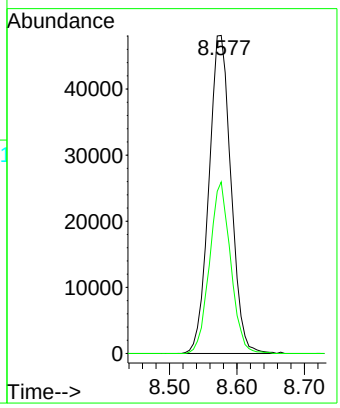


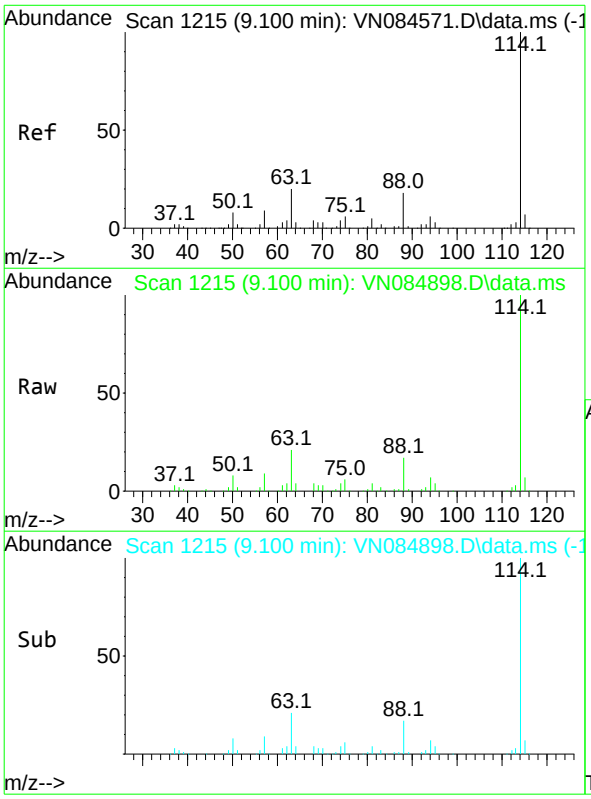
#33
1,2-Dichloroethane-d4
Concen: 50.758 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084898.D
Acq: 17 Nov 2024 16:24

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-9-20241111

Tgt Ion: 65 Resp: 109168

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	102.0

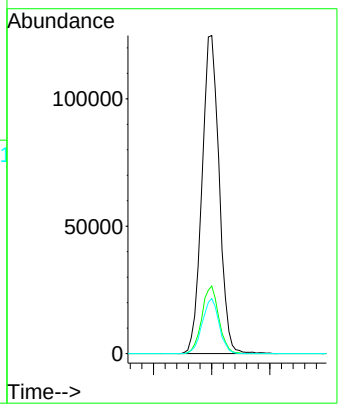


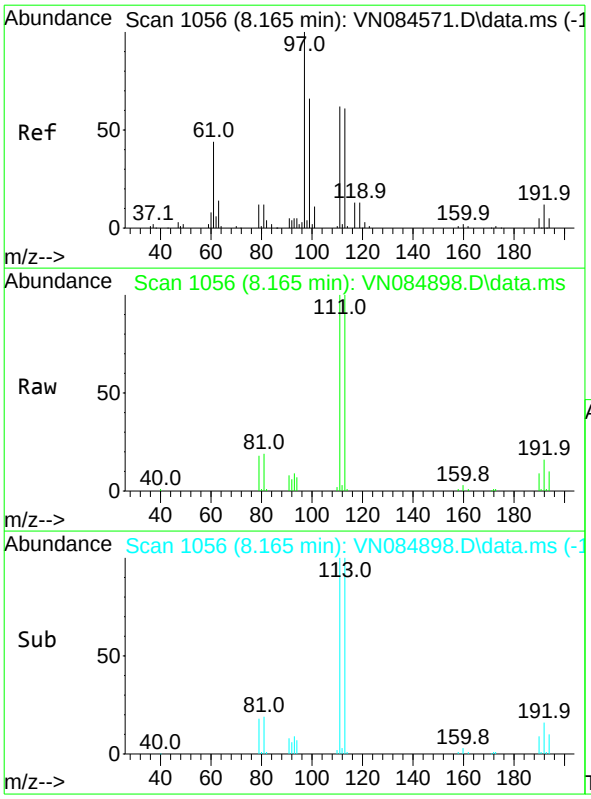


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084898.D
Acq: 17 Nov 2024 16:24

Tgt Ion:114 Resp: 256605

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	43.8
88	17.3	0.0	31.6



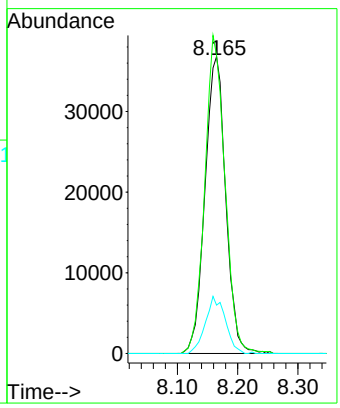


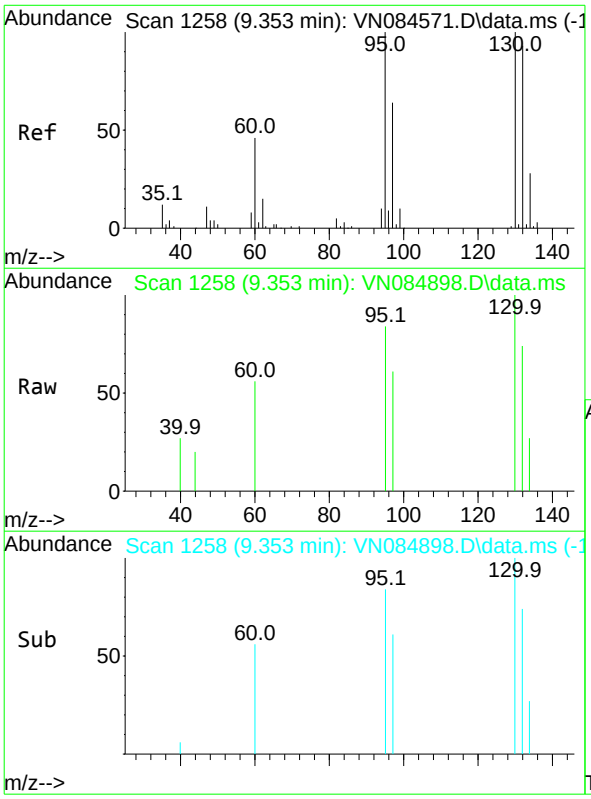
#35
Dibromofluoromethane
Concen: 50.627 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084898.D
Acq: 17 Nov 2024 16:24

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-9-20241111

Tgt Ion:113 Resp: 87934

Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.3	124.9
192	18.5	13.5	20.3

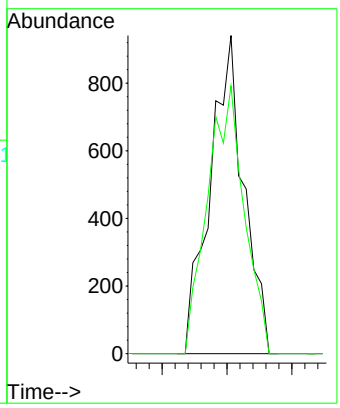


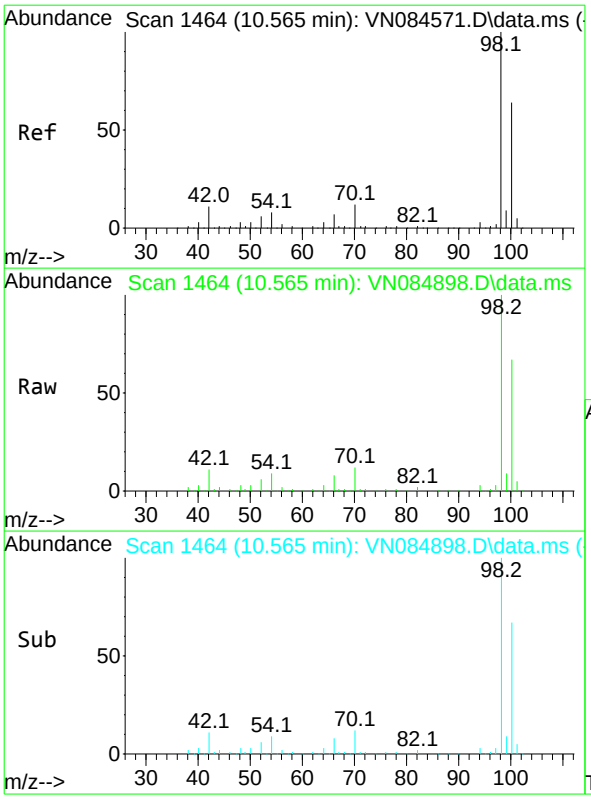


#44
Trichloroethene
Concen: 0.957 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084898.D
Acq: 17 Nov 2024 16:24

Tgt Ion:130 Resp: 1707

Ion	Ratio	Lower	Upper
130	100		
95	84.2	0.0	203.0



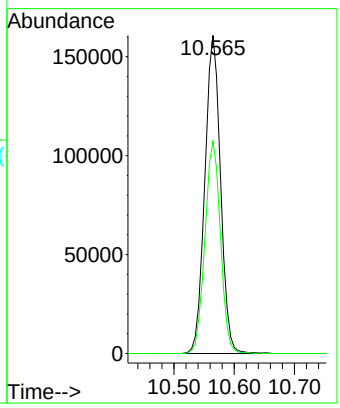


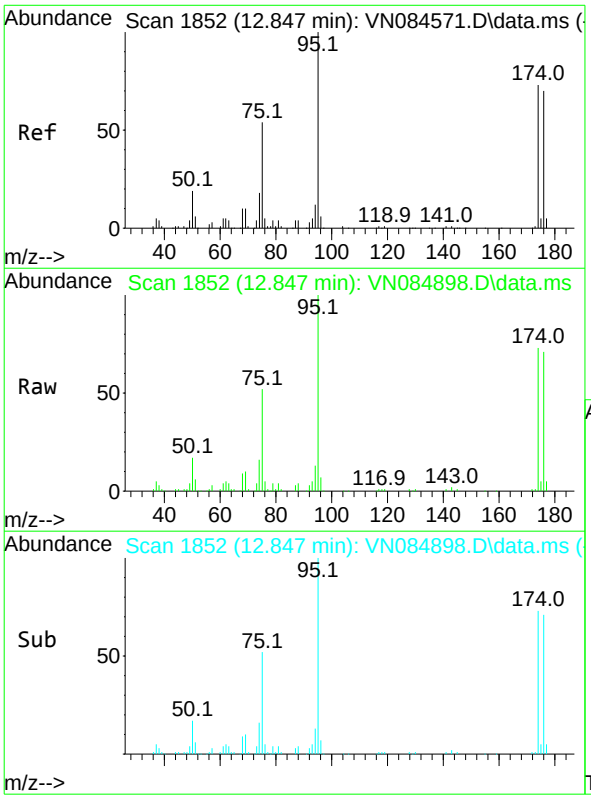
#50
Toluene-d8
Concen: 45.507 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084898.D
Acq: 17 Nov 2024 16:24

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-9-20241111

Tgt Ion: 98 Resp: 291164

Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.7	79.1

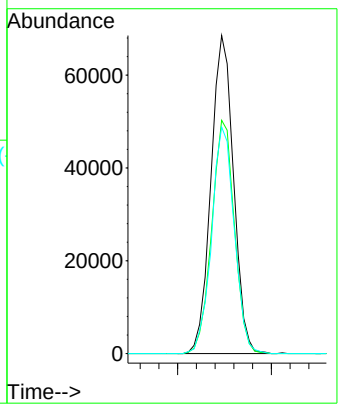


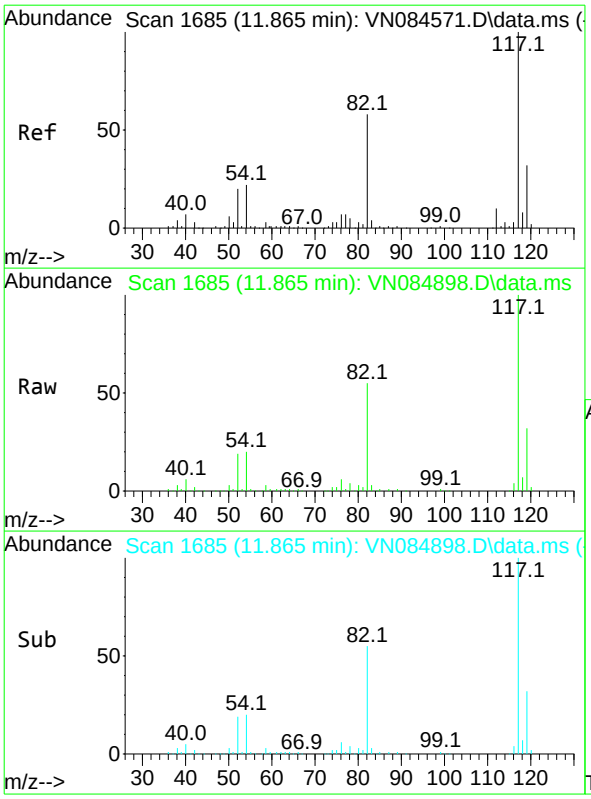


#62
4-Bromofluorobenzene
Concen: 47.872 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084898.D
Acq: 17 Nov 2024 16:24

Tgt Ion: 95 Resp: 114472

Ion	Ratio	Lower	Upper
95	100		
174	73.7	0.0	145.2
176	71.7	0.0	140.0



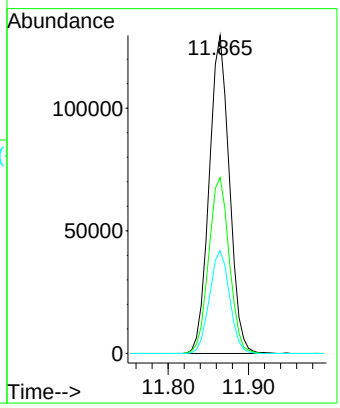


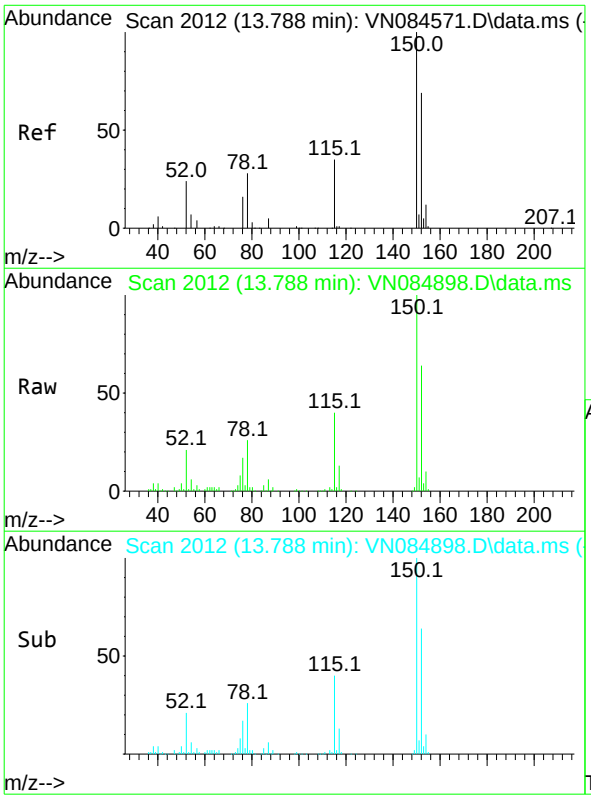
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084898.D
Acq: 17 Nov 2024 16:24

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-9-20241111

Tgt Ion:117 Resp: 226841

Ion	Ratio	Lower	Upper
117	100		
82	55.3	47.2	70.8
119	32.3	25.4	38.0

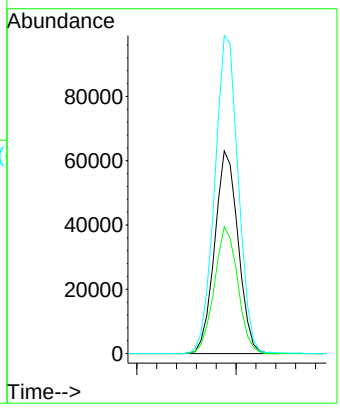




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084898.D
Acq: 17 Nov 2024 16:24

Tgt Ion:152 Resp: 103436

Ion	Ratio	Lower	Upper
152	100		
115	62.5	31.3	93.9
150	157.9	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084898.D
Acq On : 17 Nov 2024 16:24
Operator : JC\MD
Sample : P4845-13
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-9-20241111

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084898.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.295	50	58	68	rBV2	9591	23655	3.06%	0.530%
2	2.824	139	148	150	rBV4	7457	17250	2.23%	0.386%
3	2.877	150	157	158	rVV5	14631	31703	4.10%	0.710%
4	2.906	160	162	169	rVB5	16143	29863	3.86%	0.669%
5	4.436	412	422	438	rVB	24658	71393	9.24%	1.598%
6	8.159	1045	1055	1060	rBV2	122171	289158	37.41%	6.474%
7	8.218	1060	1065	1081	rVB	209459	459304	59.43%	10.283%
8	8.577	1116	1126	1132	rBV	131880	293256	37.94%	6.566%
9	9.100	1205	1215	1225	rBV	300966	605940	78.40%	13.566%
10	9.353	1252	1258	1264	rVB2	4236	8534	1.10%	0.191%
11	10.565	1455	1464	1476	rBV	429051	772847	100.00%	17.303%
12	11.865	1677	1685	1695	rVB	388144	691107	89.42%	15.473%
13	12.847	1843	1852	1861	rBV	323854	539299	69.78%	12.074%
14	13.788	2002	2012	2020	rBV	384602	633284	81.94%	14.178%

Sum of corrected areas: 4466593

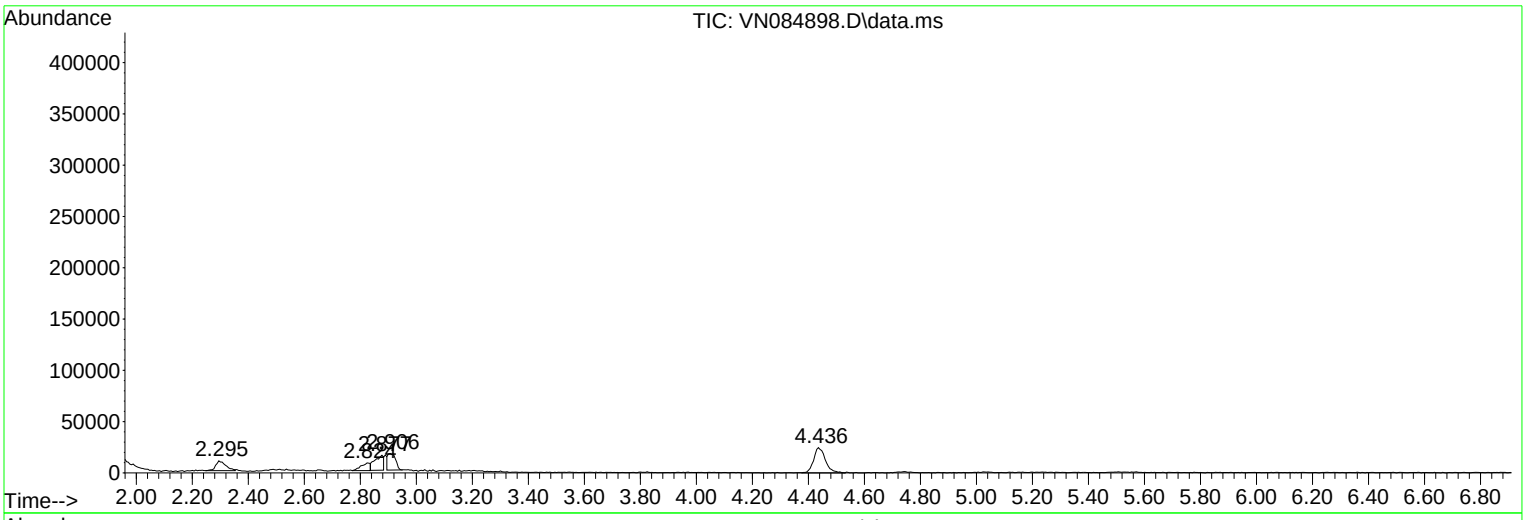
Sample Results: **VN084898.D**

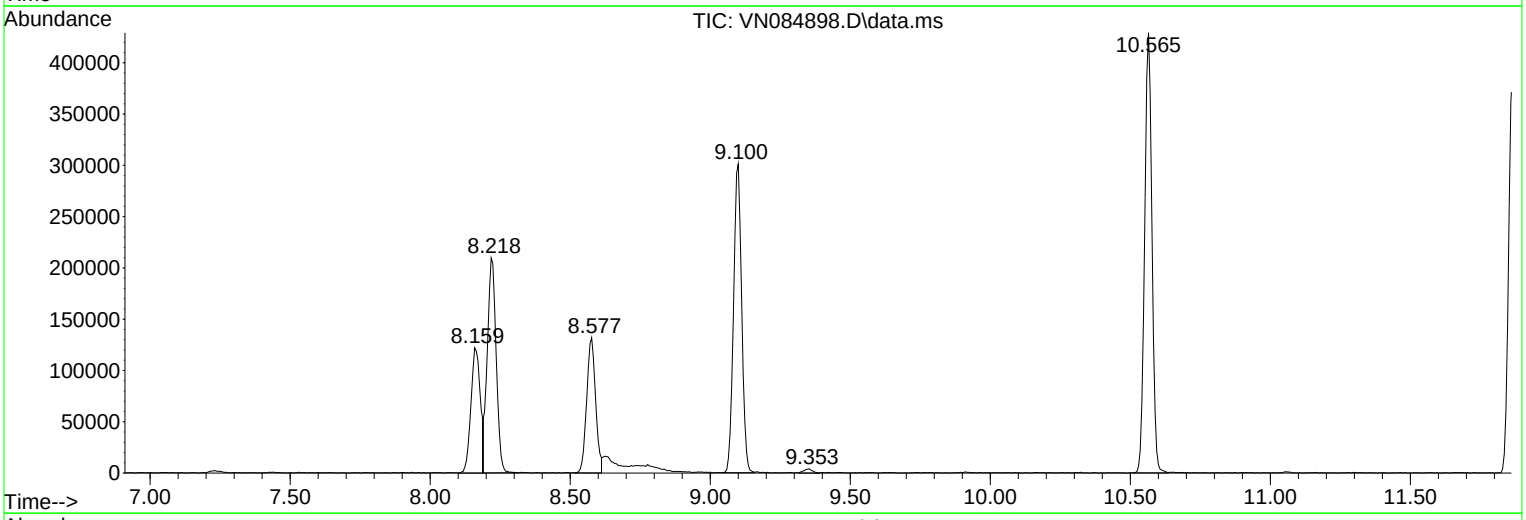
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084898.D
Acq On : 17 Nov 2024 16:24
Operator : JC\MD
Sample : P4845-13
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

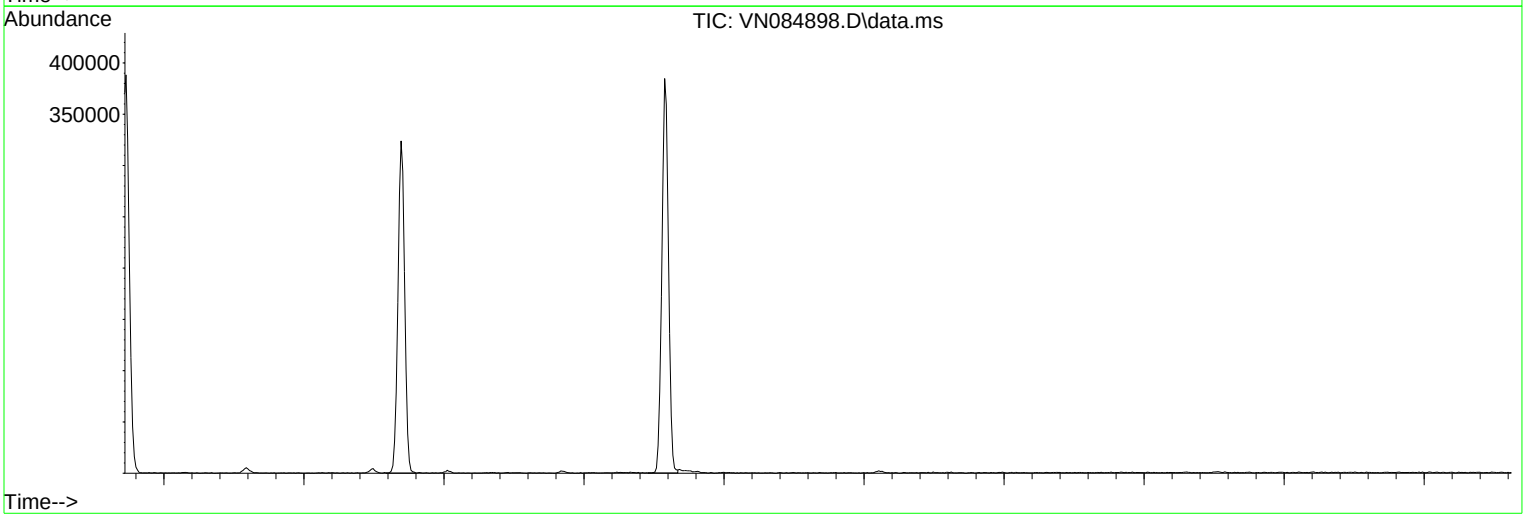
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-9-20241111

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084898.D
Acq On : 17 Nov 2024 16:24
Operator : JC\MD
Sample : P4845-13
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-9-20241111

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084898.D
Acq On : 17 Nov 2024 16:24
Operator : JC\MD
Sample : P4845-13
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-9-20241111

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/11/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-5-20241111	SDG No.:	P4845
Lab Sample ID:	P4845-14	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084899.D	1		11/17/24 16:48	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	2.60		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/11/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-5-20241111	SDG No.:	P4845
Lab Sample ID:	P4845-14	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084899.D	1		11/17/24 16:48	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.2		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	46.2		89 - 112		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.1		85 - 114		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	150000	8.218				
540-36-3	1,4-Difluorobenzene	258000	9.1				
3114-55-4	Chlorobenzene-d5	230000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	103000	13.794				

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/11/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-5-20241111	SDG No.:	P4845
Lab Sample ID:	P4845-14	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084899.D	1		11/17/24 16:48	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084899.D
Acq On : 17 Nov 2024 16:48
Operator : JC\MD
Sample : P4845-14
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-5-20241111

Quant Time: Nov 18 00:23:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

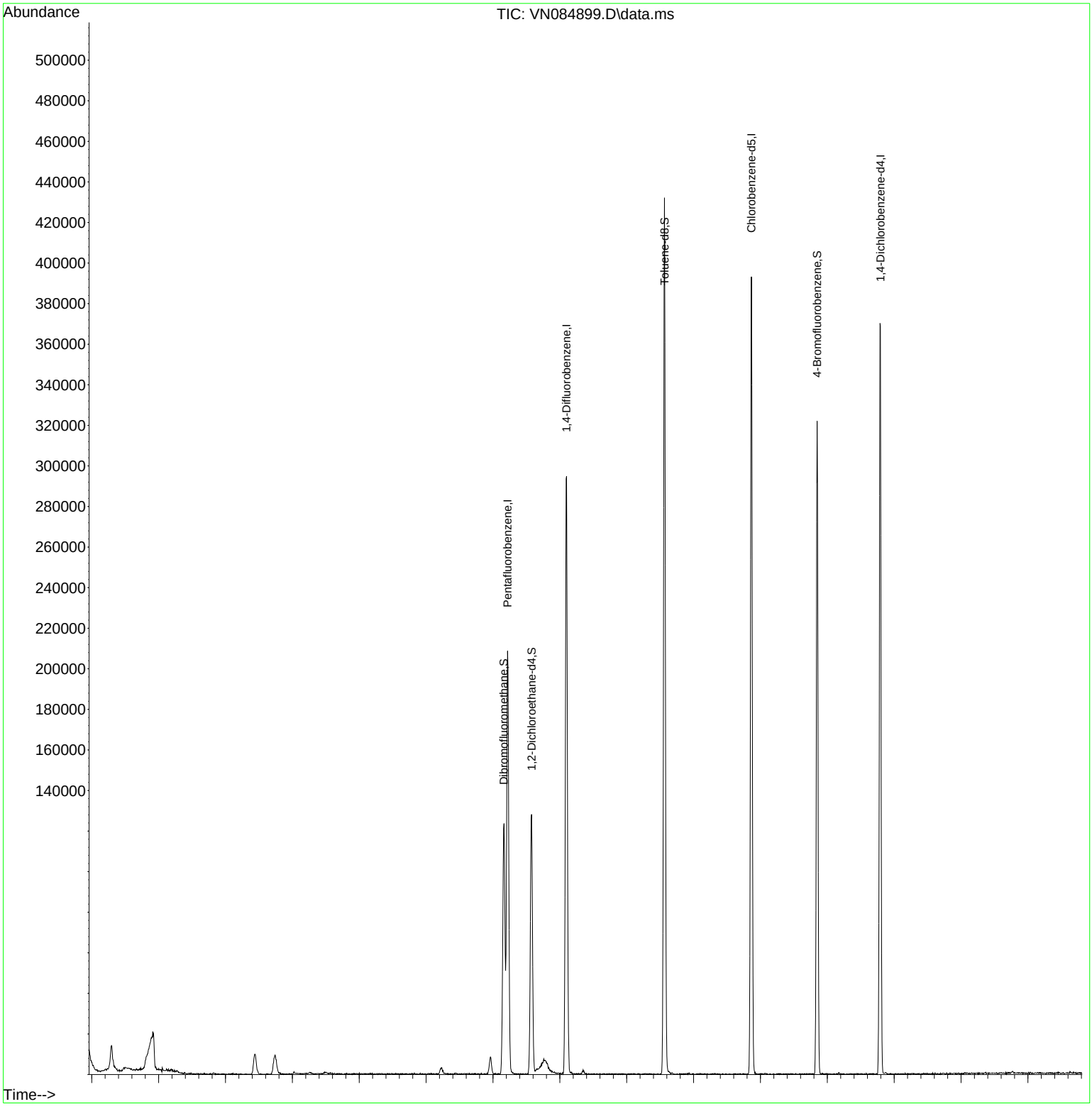
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	149841	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	257696	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	230033	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	103410	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	108596	50.178	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.360%			
35) Dibromofluoromethane	8.159	113	89690	51.419	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.840%			
50) Toluene-d8	10.565	98	296575	46.157	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.320%			
62) 4-Bromofluorobenzene	12.847	95	113102	47.099	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.200%			
Target Compounds						Qvalue
30) Chloroform	7.965	83	8713	2.593	ug/l	96

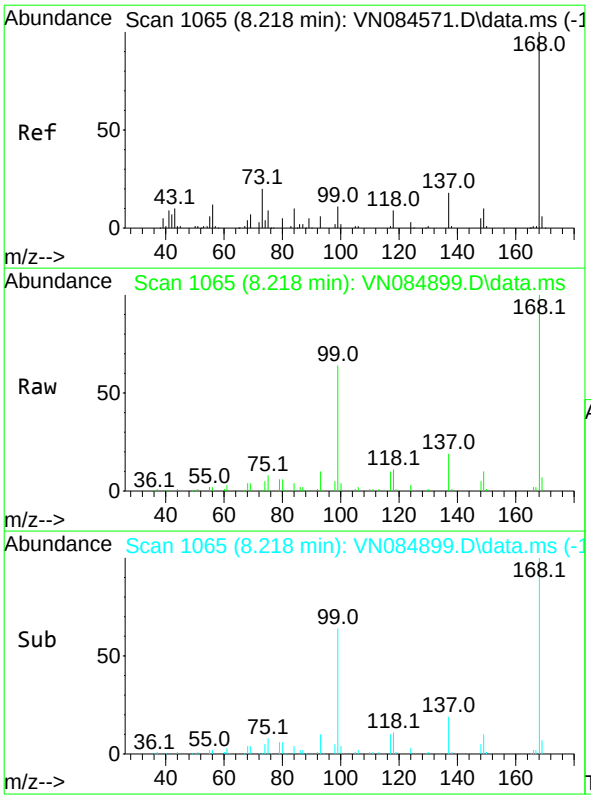
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084899.D
Acq On : 17 Nov 2024 16:48
Operator : JC\MD
Sample : P4845-14
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-5-20241111

Quant Time: Nov 18 00:23:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



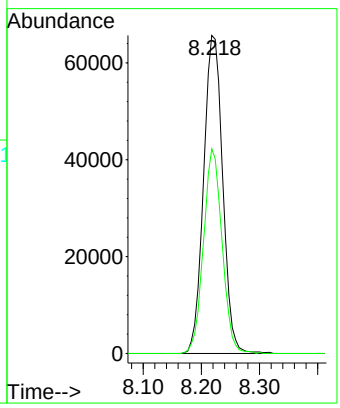


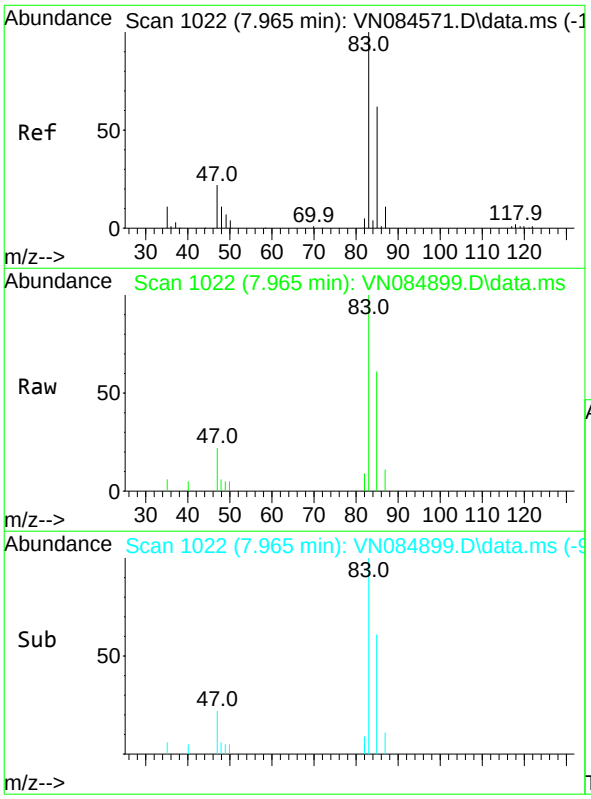
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084899.D
Acq: 17 Nov 2024 16:48

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-5-20241111

Tgt Ion:168 Resp: 149841

Ion	Ratio	Lower	Upper
168	100		
99	64.3	54.2	81.2

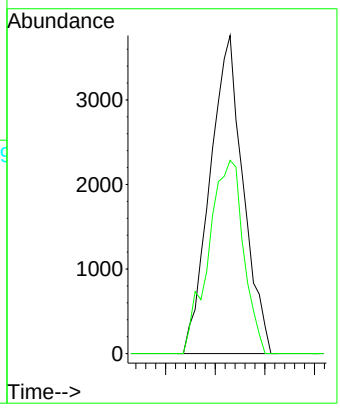


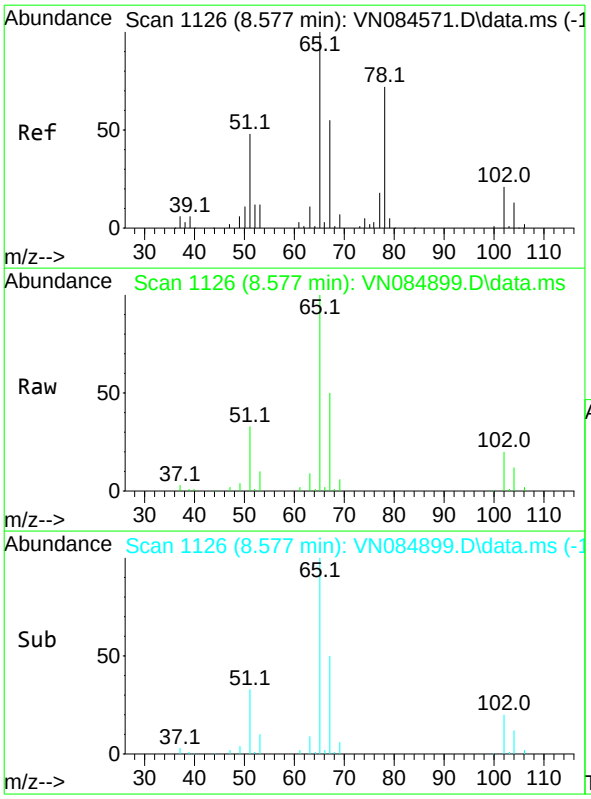


#30
Chloroform
Concen: 2.593 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084899.D
Acq: 17 Nov 2024 16:48

Tgt Ion: 83 Resp: 8713

Ion	Ratio	Lower	Upper
83	100		
85	60.7	51.0	76.4



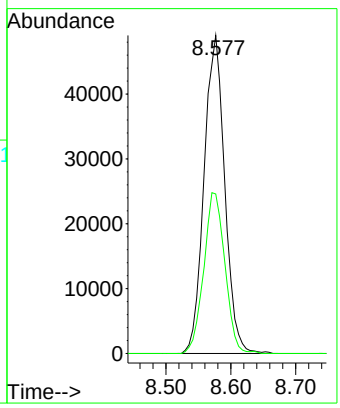


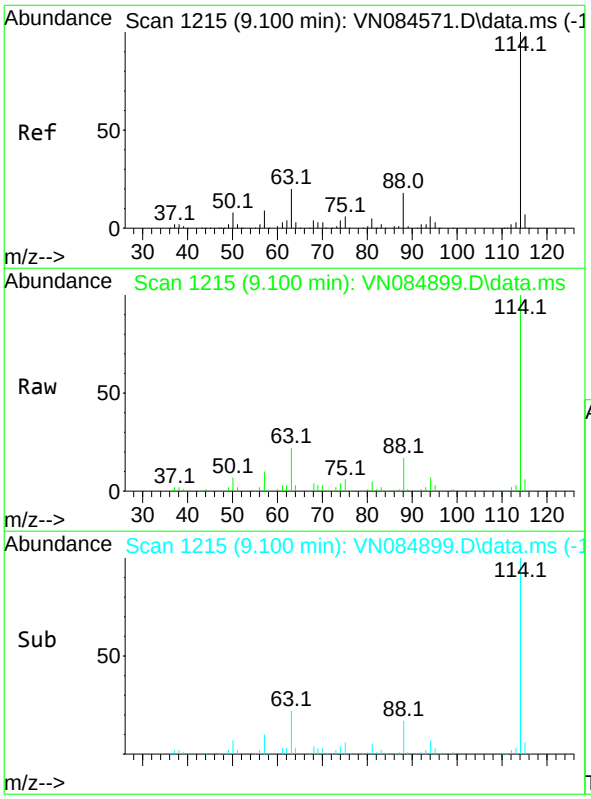
#33
1,2-Dichloroethane-d4
Concen: 50.178 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084899.D
Acq: 17 Nov 2024 16:48

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-5-20241111

Tgt Ion: 65 Resp: 108596

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	102.0

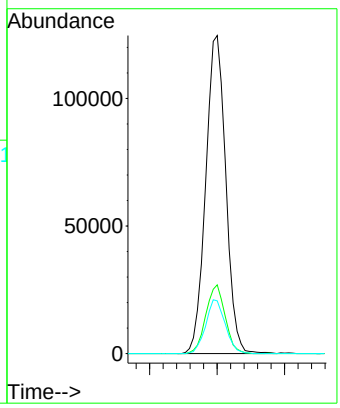


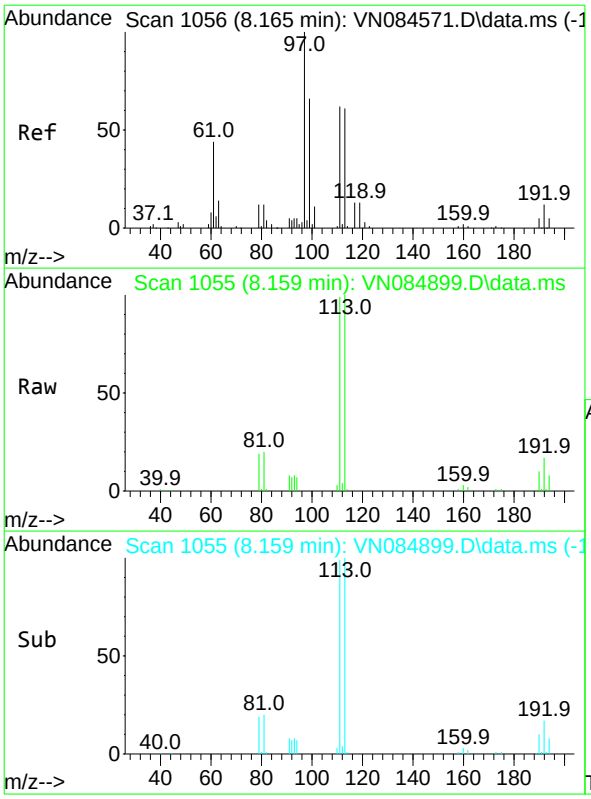


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084899.D
Acq: 17 Nov 2024 16:48

Tgt Ion:114 Resp: 257696

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.8
88	16.6	0.0	31.6



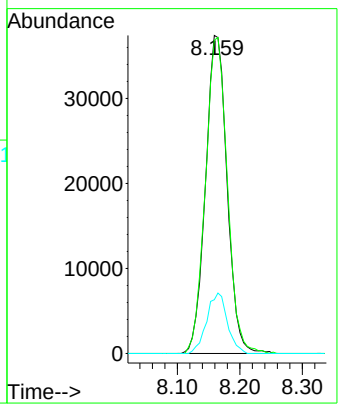


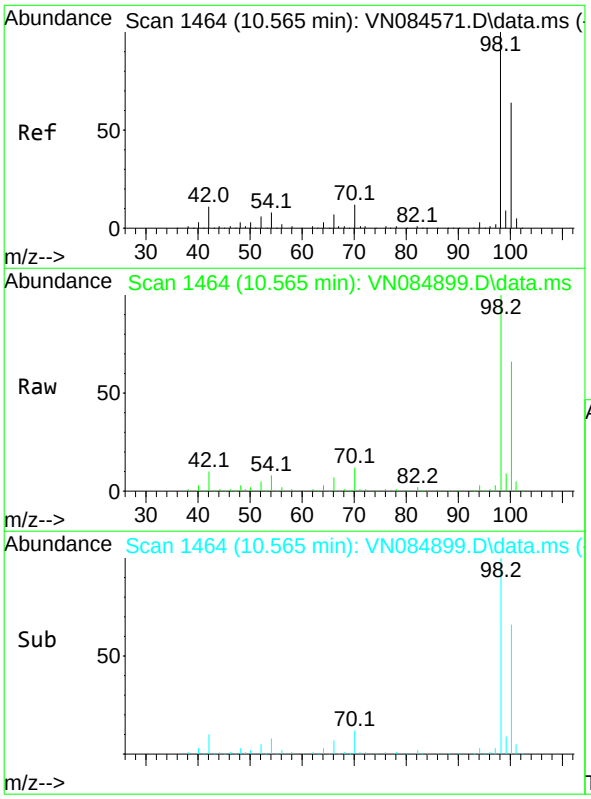
#35
Dibromofluoromethane
Concen: 51.419 ug/l
RT: 8.159 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084899.D
Acq: 17 Nov 2024 16:48

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-5-20241111

Tgt Ion:113 Resp: 89690

Ion	Ratio	Lower	Upper
113	100		
111	100.9	83.3	124.9
192	18.2	13.5	20.3

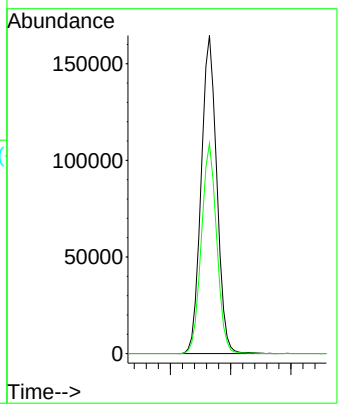


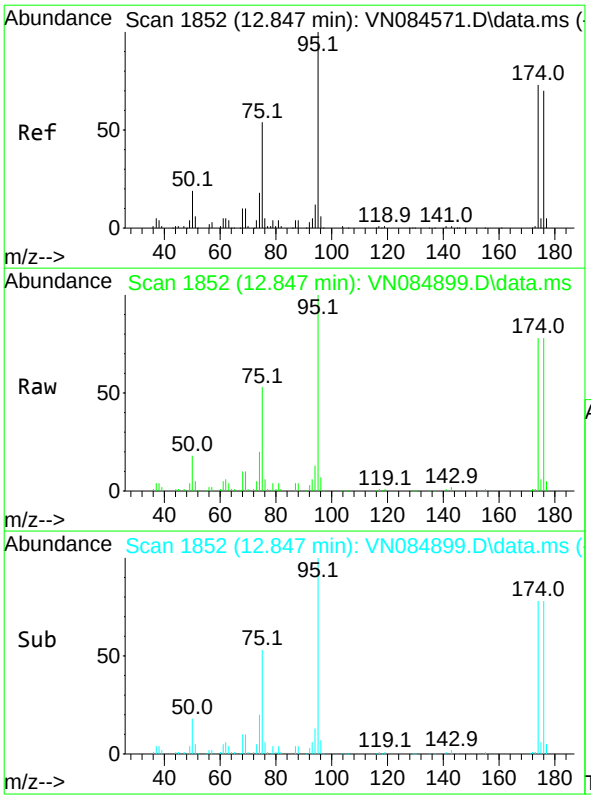


#50
Toluene-d8
Concen: 46.157 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084899.D
Acq: 17 Nov 2024 16:48

Tgt Ion: 98 Resp: 296575

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.7	79.1



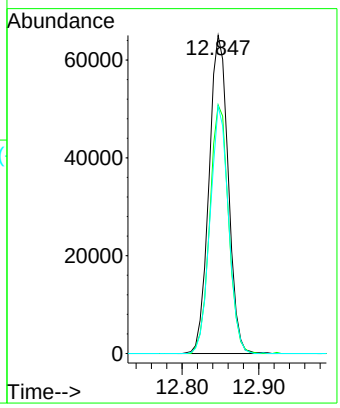


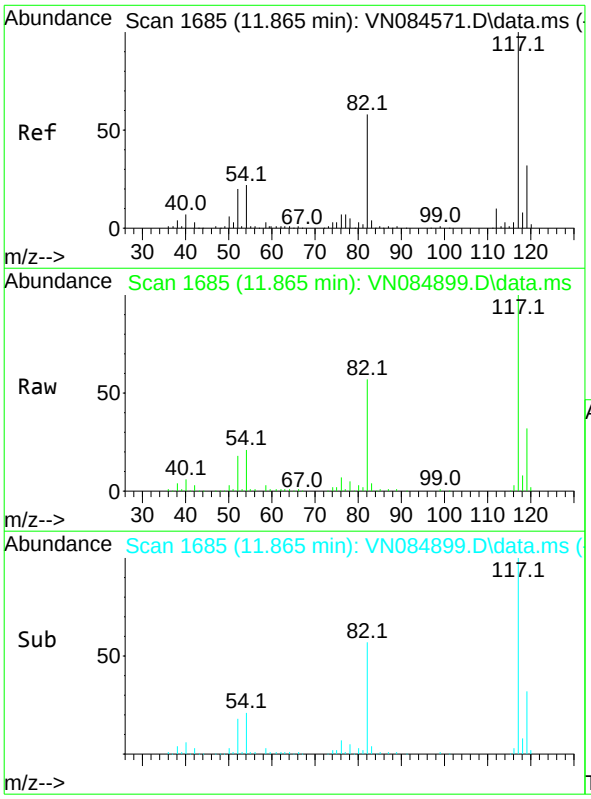
#62
4-Bromofluorobenzene
Concen: 47.099 ug/l
RT: 12.847 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084899.D
Acq: 17 Nov 2024 16:48

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-5-20241111

Tgt Ion: 95 Resp: 113102

Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	145.2
176	74.2	0.0	140.0

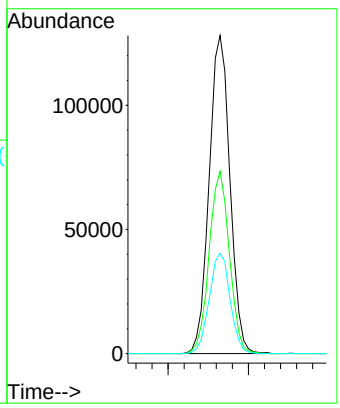


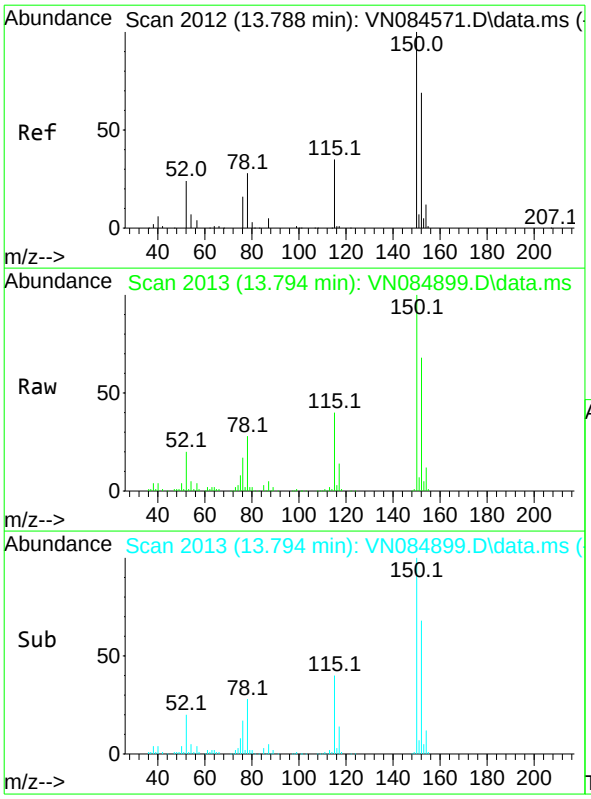


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084899.D
Acq: 17 Nov 2024 16:48

Tgt Ion:117 Resp: 230033

Ion	Ratio	Lower	Upper
117	100		
82	57.3	47.2	70.8
119	31.5	25.4	38.0



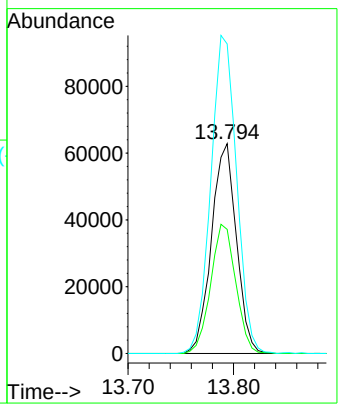


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084899.D
Acq: 17 Nov 2024 16:48

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-5-20241111

Tgt Ion:152 Resp: 103410

Ion	Ratio	Lower	Upper
152	100		
115	61.8	31.3	93.9
150	156.5	0.0	349.8



Sample Results: **VN084899.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084899.D
Acq On : 17 Nov 2024 16:48
Operator : JC\MD
Sample : P4845-14
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-5-20241111

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084899.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.295	49	58	71	rVB2	11719	31013	3.98%	0.686%
2	2.912	139	163	170	rBV6	18344	97496	12.52%	2.158%
3	4.442	414	423	435	rBB	10062	30302	3.89%	0.671%
4	4.742	462	474	483	rBV4	9454	31409	4.03%	0.695%
5	7.230	889	897	904	rBV	3276	8711	1.12%	0.193%
6	7.965	1014	1022	1030	rVB	8635	20768	2.67%	0.460%
7	8.165	1046	1056	1060	rBV	123519	291132	37.38%	6.444%
8	8.218	1060	1065	1078	rVB	208217	460343	59.11%	10.189%
9	8.577	1117	1126	1135	rBV	128065	290623	37.31%	6.433%
10	9.100	1206	1215	1224	rBV	294681	609597	78.27%	13.493%
11	10.565	1455	1464	1473	rBV	432004	778844	100.00%	17.239%
12	11.865	1676	1685	1694	rBV	393072	699612	89.83%	15.485%
13	12.847	1845	1852	1860	rBV	321739	538148	69.10%	11.911%
14	13.788	2005	2012	2021	rBV	370346	629914	80.88%	13.943%

Sum of corrected areas: 4517912

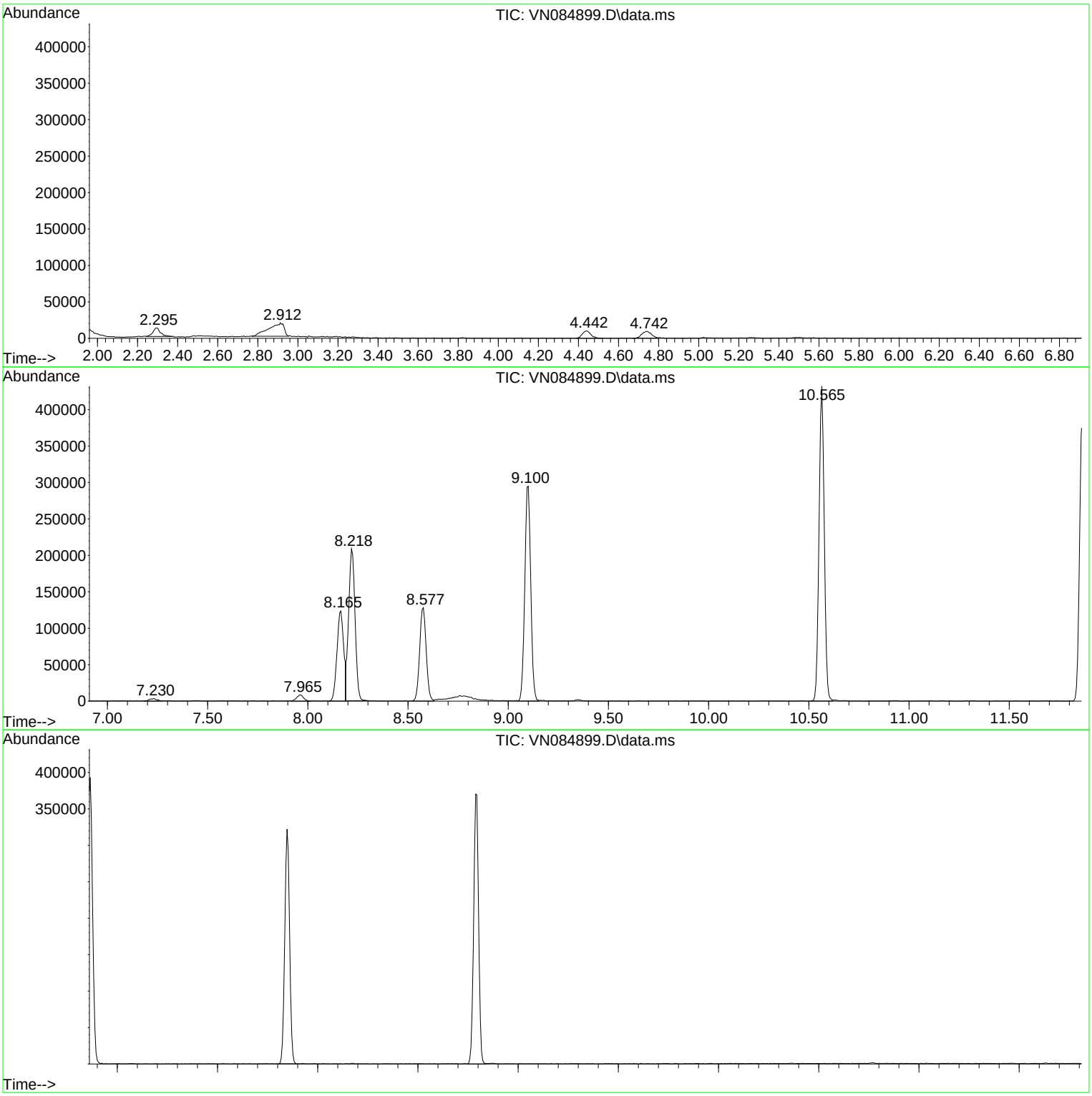
Sample Results: **VN084899.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084899.D
Acq On : 17 Nov 2024 16:48
Operator : JC\MD
Sample : P4845-14
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-5-20241111

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084899.D
Acq On : 17 Nov 2024 16:48
Operator : JC\MD
Sample : P4845-14
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-5-20241111

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084899.D
Acq On : 17 Nov 2024 16:48
Operator : JC\MD
Sample : P4845-14
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-5-20241111

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/11/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-12R-20241111	SDG No.:	P4845
Lab Sample ID:	P4845-15	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084954.D	1		11/19/24 18:04	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	3.90		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	J	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	11.6		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/11/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-12R-20241111	SDG No.:	P4845
Lab Sample ID:	P4845-15	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084954.D	1		11/19/24 18:04	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.81	J	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.1		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	46.1		89 - 112		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.9		85 - 114		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	174000	8.224				
540-36-3	1,4-Difluorobenzene	323000	9.1				
3114-55-4	Chlorobenzene-d5	282000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	125000	13.788				
TENTATIVE IDENTIFIED COMPOUNDS							

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/11/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-12R-20241111	SDG No.:	P4845
Lab Sample ID:	P4845-15	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084954.D	1		11/19/24 18:04	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	7.50	J			2.29	ug/L
000064-19-7	Acetic acid	8.90	J			8.73	ug/L
91-20-3	Naphthalene	0.96	J			15.6	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084954.D
Acq On : 19 Nov 2024 18:04
Operator : JC\MD
Sample : P4845-15
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-12R-20241111

Quant Time: Nov 20 00:33:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

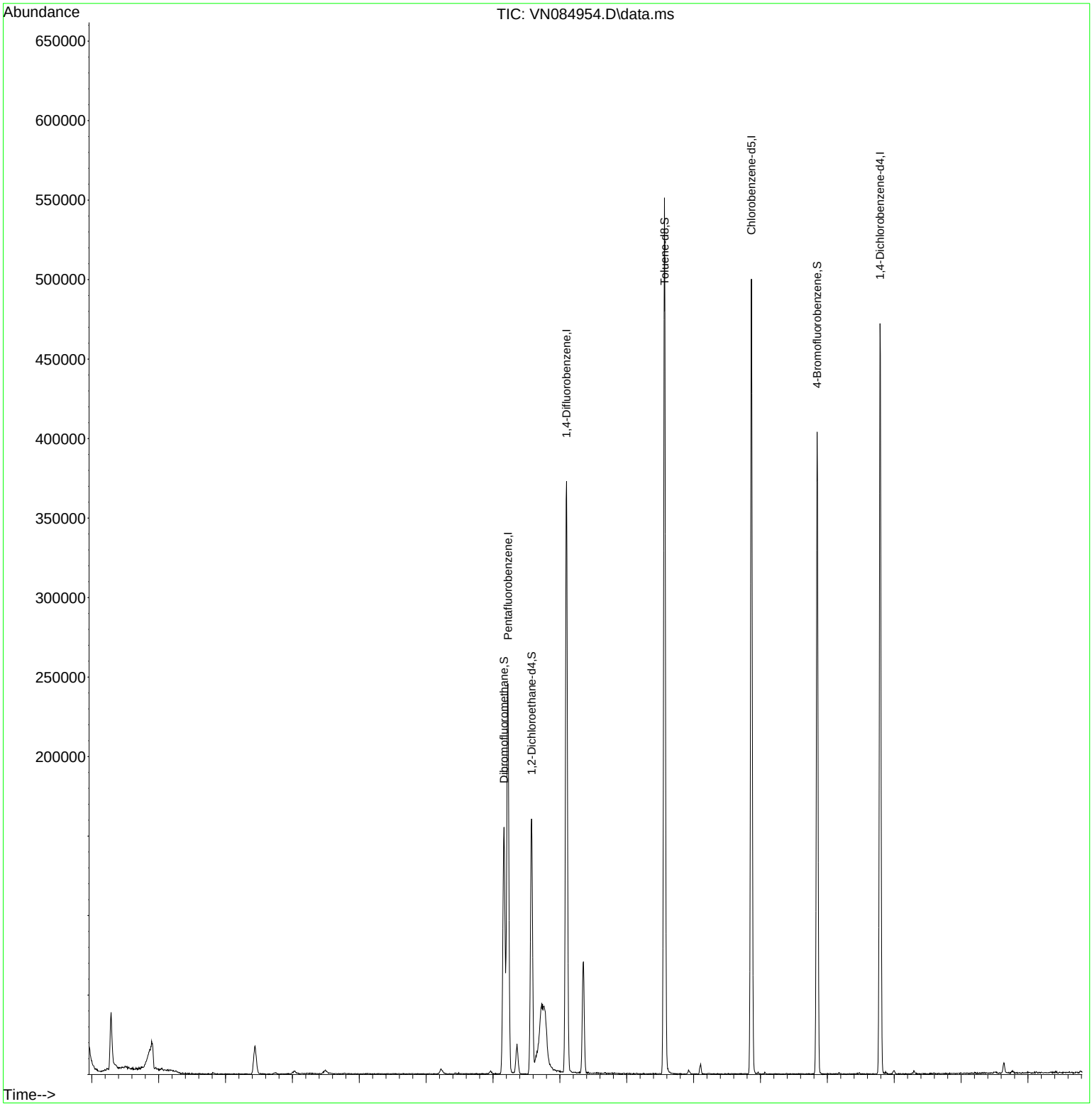
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	174408	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	322609	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	282377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	125106	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	131359	52.146	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.300%			
35) Dibromofluoromethane	8.165	113	105866	48.481	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.960%			
50) Toluene-d8	10.565	98	370651	46.078	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.160%			
62) 4-Bromofluorobenzene	12.847	95	141136	46.947	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.900%			
Target Compounds						Qvalue
30) Chloroform	7.965	83	1950	0.499	ug/l	91
38) Carbon Tetrachloride	8.359	117	13144	3.883	ug/l	97
44) Trichloroethene	9.347	130	25924	11.558	ug/l	94
64) Tetrachloroethene	11.106	164	1520	0.809	ug/l	85
95) Naphthalene	15.647	128	6942	0.959	ug/l	99

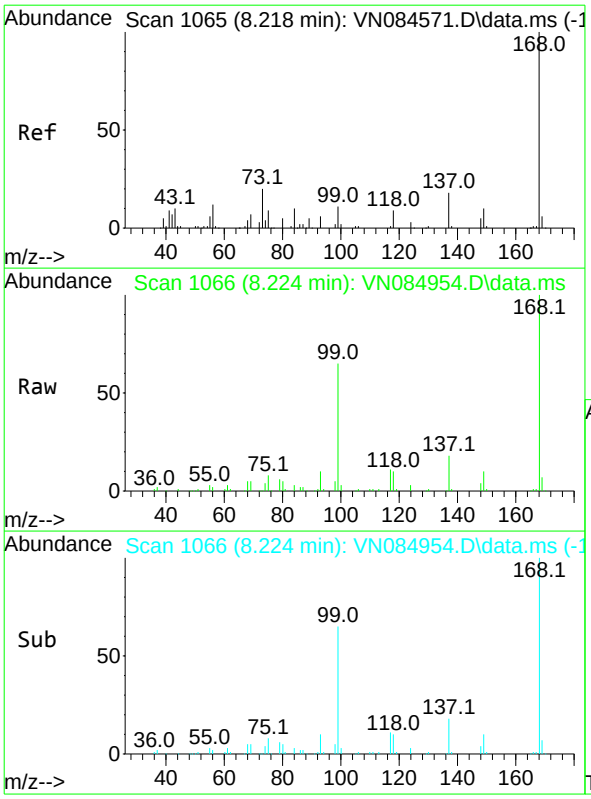
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084954.D
Acq On : 19 Nov 2024 18:04
Operator : JC\MD
Sample : P4845-15
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-12R-20241111

Quant Time: Nov 20 00:33:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



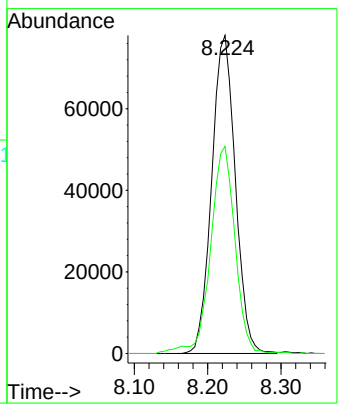


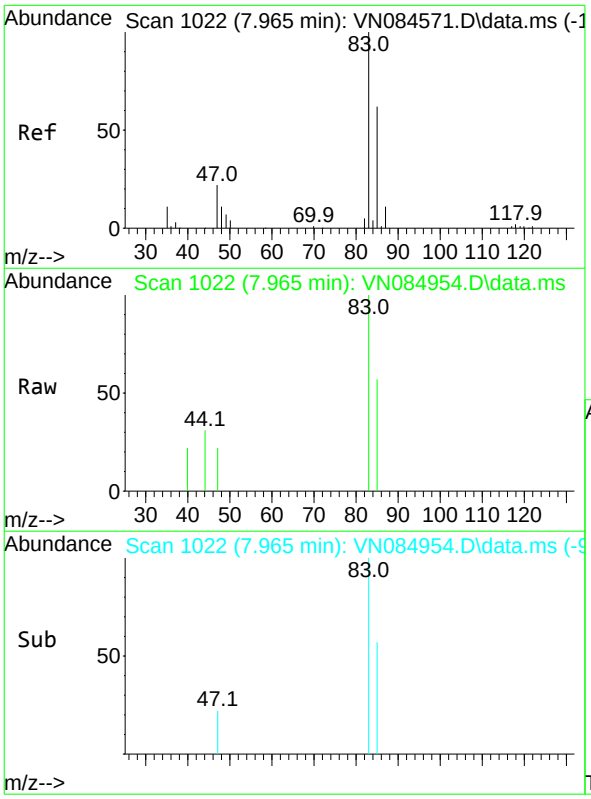
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084954.D
Acq: 19 Nov 2024 18:04

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-12R-20241111

Tgt Ion:168 Resp: 174408

Ion	Ratio	Lower	Upper
168	100		
99	64.7	54.2	81.2

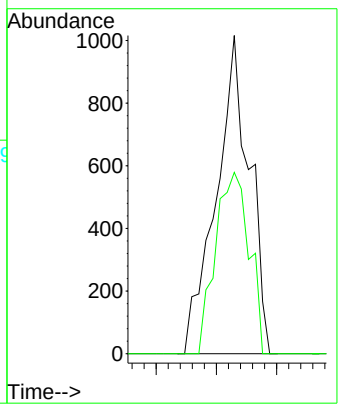


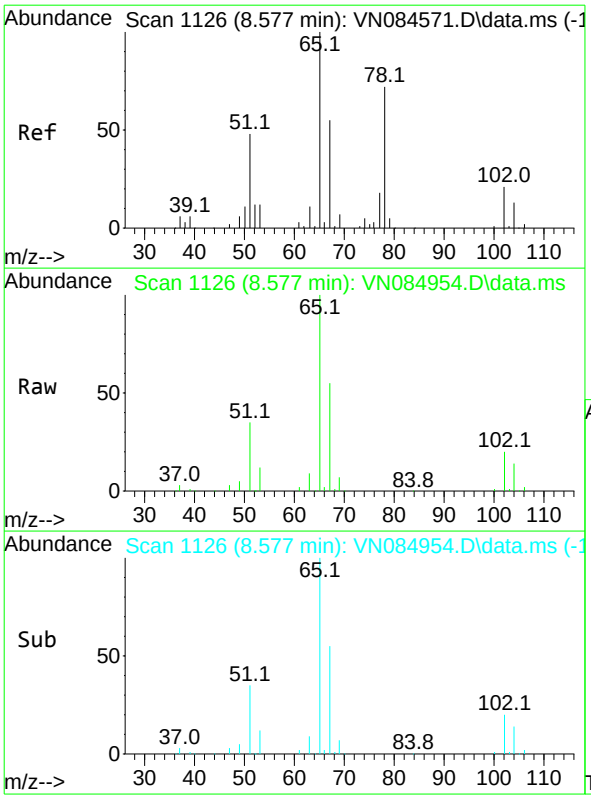


#30
Chloroform
Concen: 0.499 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084954.D
Acq: 19 Nov 2024 18:04

Tgt Ion: 83 Resp: 1950

Ion	Ratio	Lower	Upper
83	100		
85	57.0	51.0	76.4



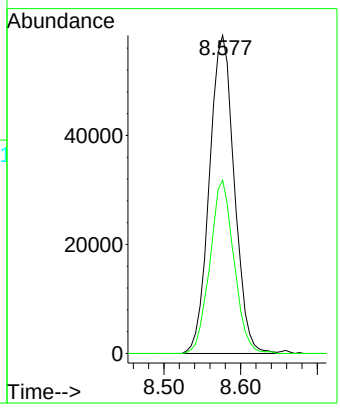


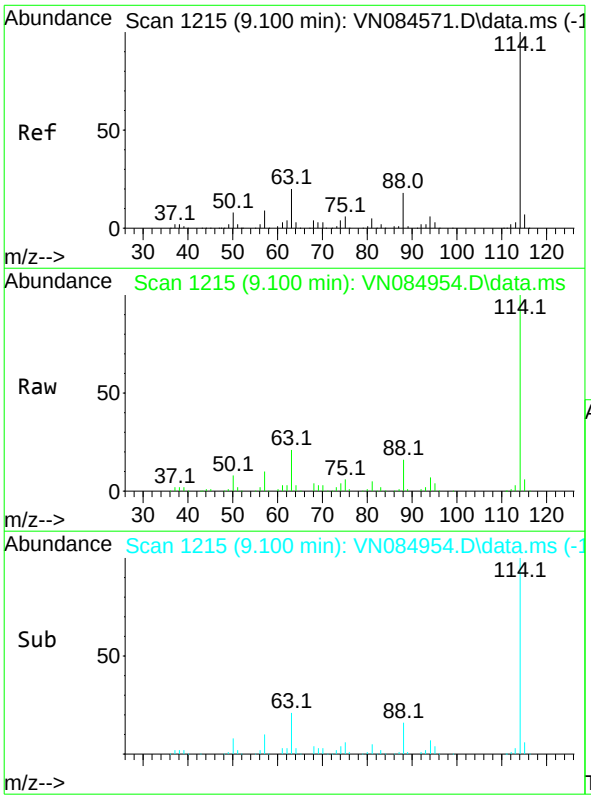
#33
1,2-Dichloroethane-d4
Concen: 52.146 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084954.D
Acq: 19 Nov 2024 18:04

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-12R-20241111

Tgt Ion: 65 Resp: 131359

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	102.0

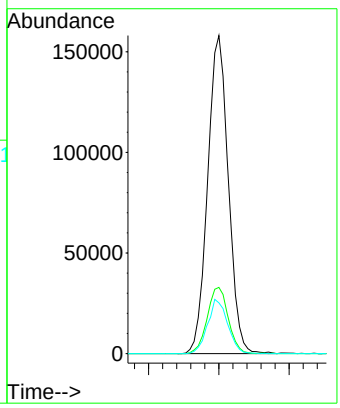


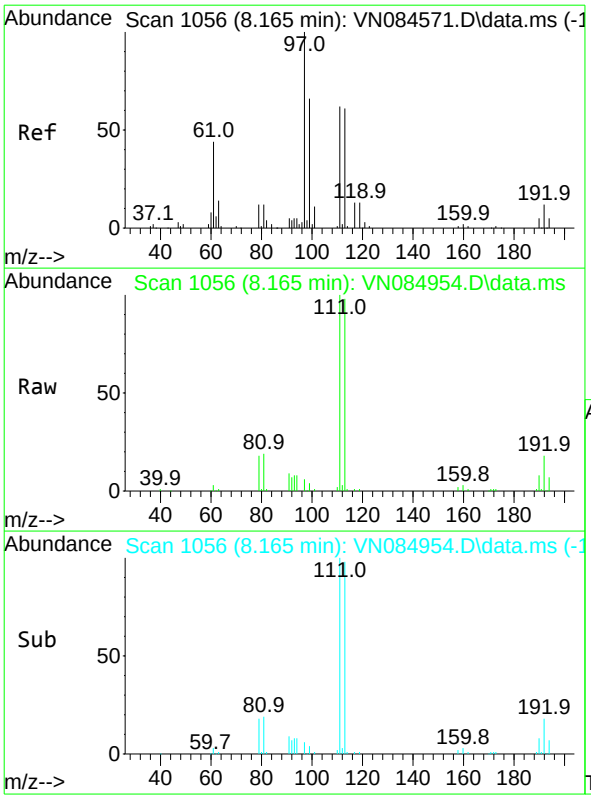


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084954.D
Acq: 19 Nov 2024 18:04

Tgt Ion:114 Resp: 322609

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	43.8
88	15.9	0.0	31.6



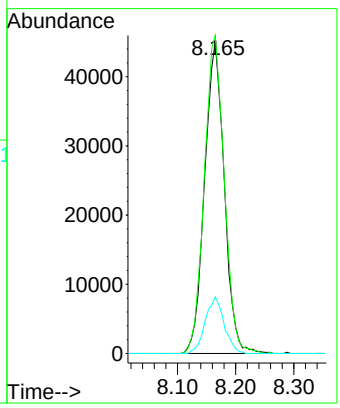


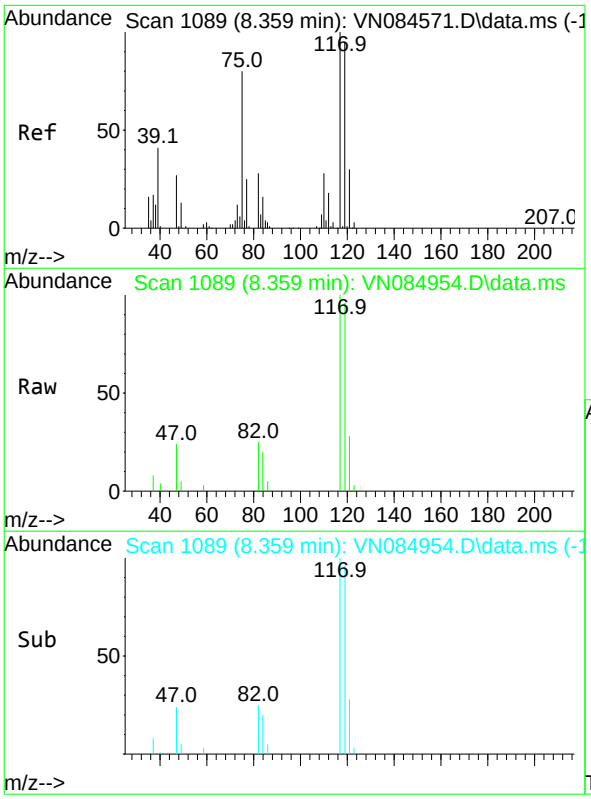
#35
Dibromofluoromethane
Concen: 48.481 ug/l
RT: 8.165 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084954.D
Acq: 19 Nov 2024 18:04

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-12R-20241111

Tgt Ion:113 Resp: 105866

Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.3	124.9
192	17.4	13.5	20.3

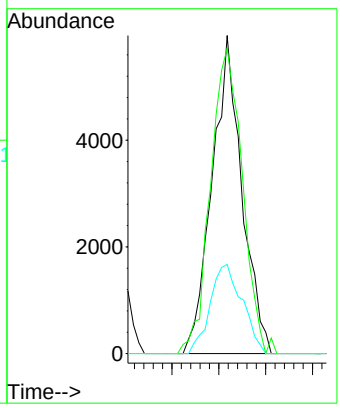


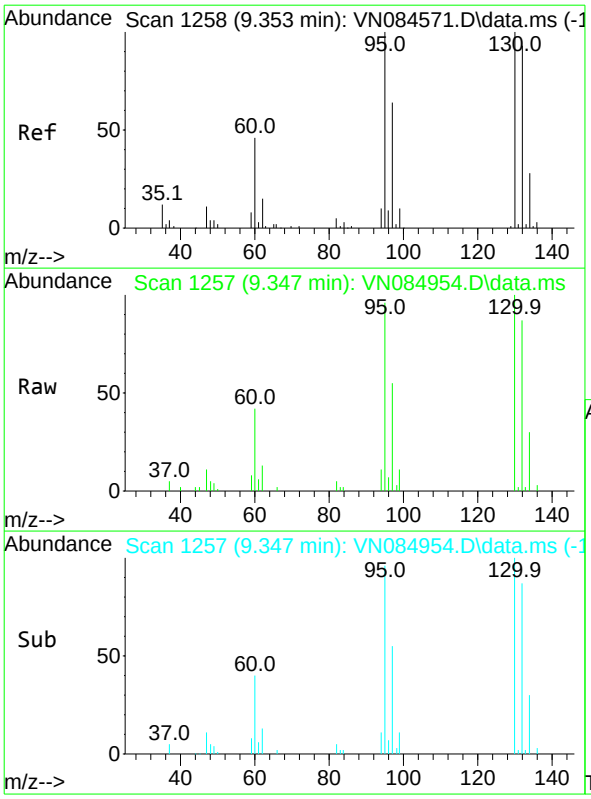


#38
Carbon Tetrachloride
Concen: 3.883 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084954.D
Acq: 19 Nov 2024 18:04

Tgt Ion:117 Resp: 13144

Ion	Ratio	Lower	Upper
117	100		
119	95.9	78.7	118.1
121	28.0	24.4	36.6



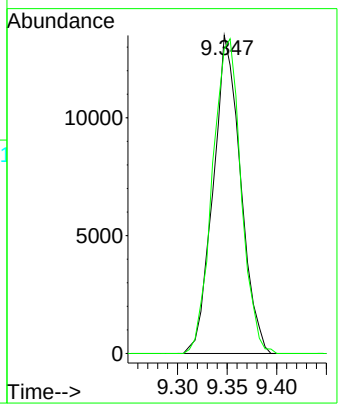


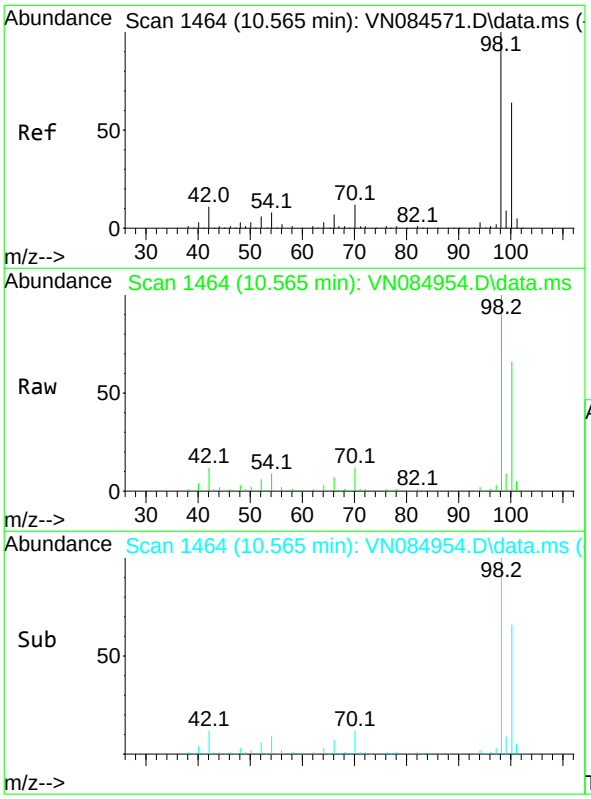
#44
Trichloroethene
Concen: 11.558 ug/l
RT: 9.347 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084954.D
Acq: 19 Nov 2024 18:04

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-12R-20241111

Tgt Ion:130 Resp: 25924

Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	203.0

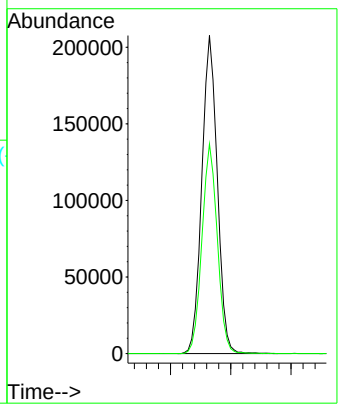


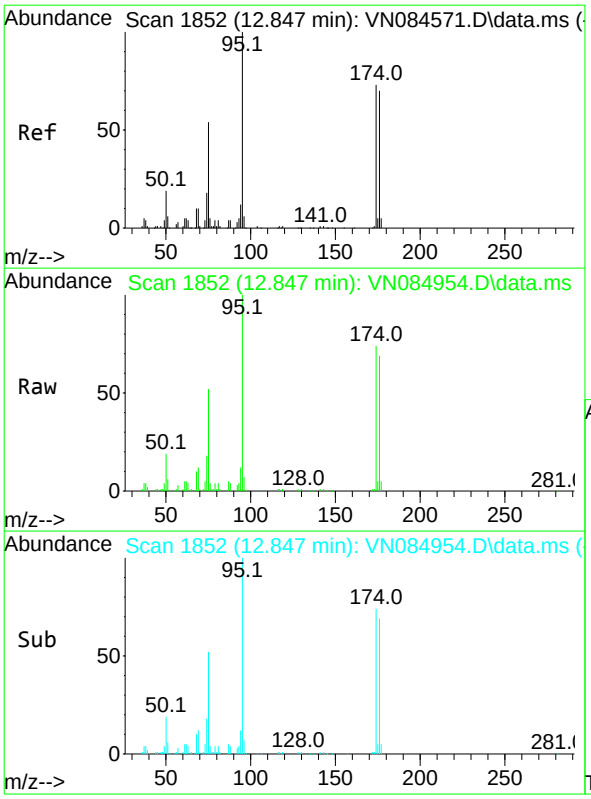


#50
Toluene-d8
Concen: 46.078 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084954.D
Acq: 19 Nov 2024 18:04

Tgt Ion: 98 Resp: 370651

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1



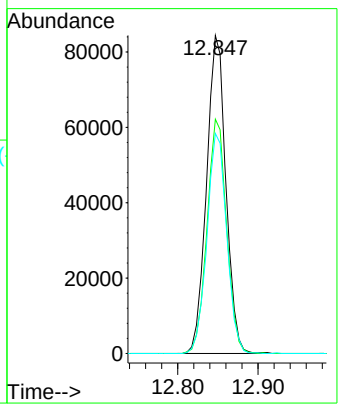


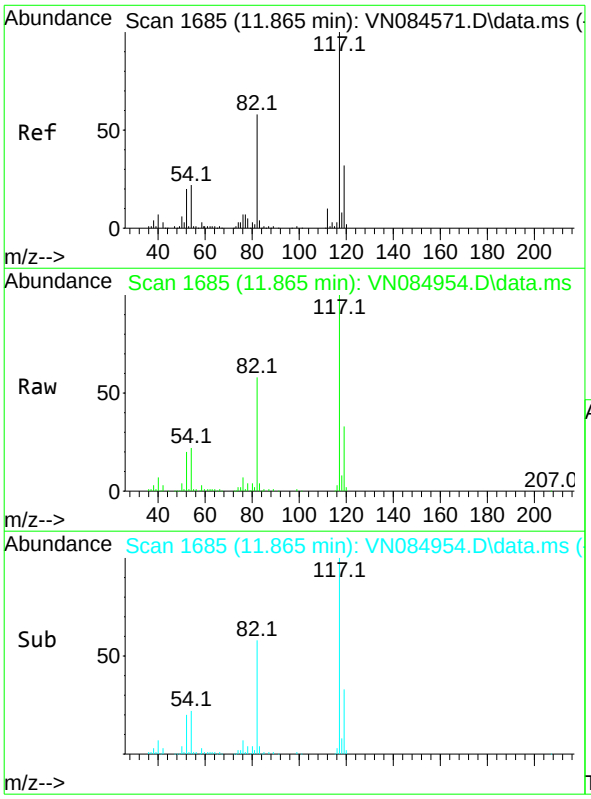
#62
4-Bromofluorobenzene
Concen: 46.947 ug/l
RT: 12.847 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084954.D
Acq: 19 Nov 2024 18:04

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-12R-20241111

Tgt Ion: 95 Resp: 141136

Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	145.2
176	70.4	0.0	140.0

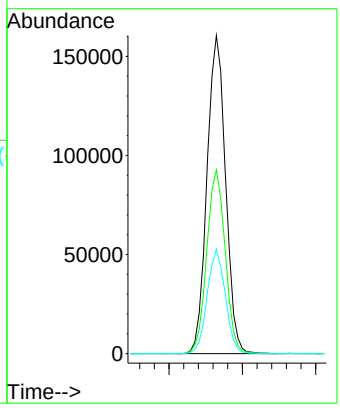


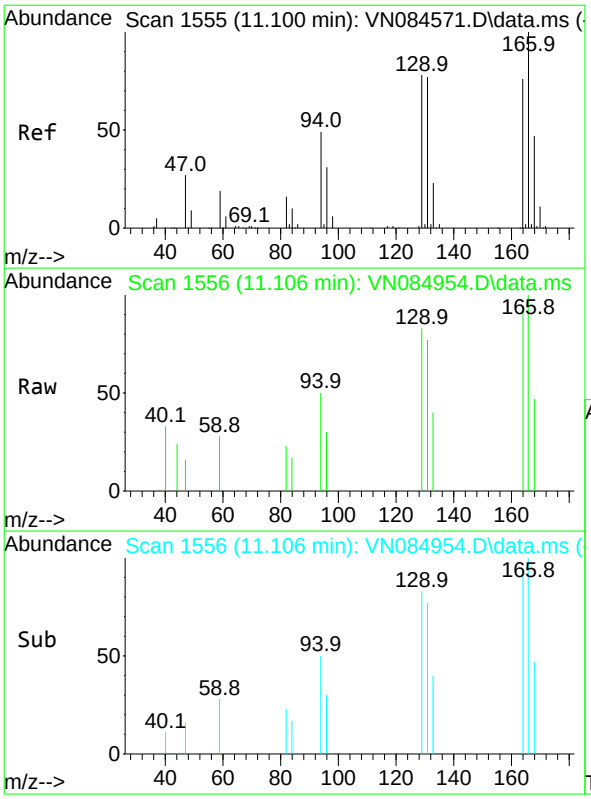


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084954.D
Acq: 19 Nov 2024 18:04

Tgt Ion:117 Resp: 282377

Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.2	70.8
119	32.8	25.4	38.0



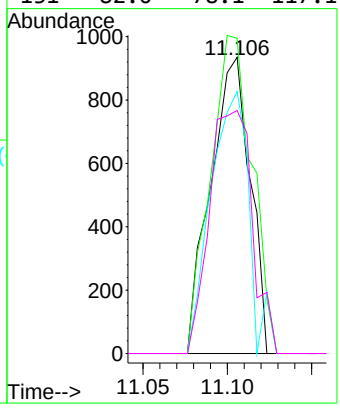


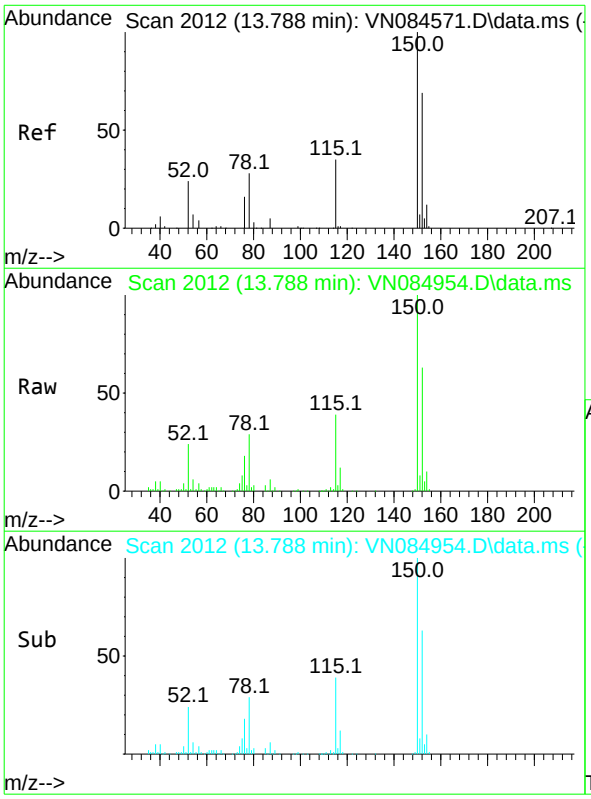
#64
Tetrachloroethene
Concen: 0.809 ug/l
RT: 11.106 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084954.D
Acq: 19 Nov 2024 18:04

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-12R-20241111

Tgt Ion:164 Resp: 1520

Ion	Ratio	Lower	Upper
164	100		
166	106.4	101.0	151.4
129	88.4	80.8	121.2
131	82.0	78.1	117.1

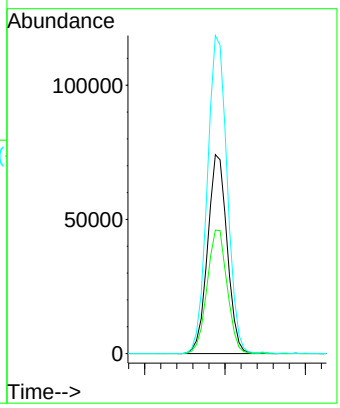


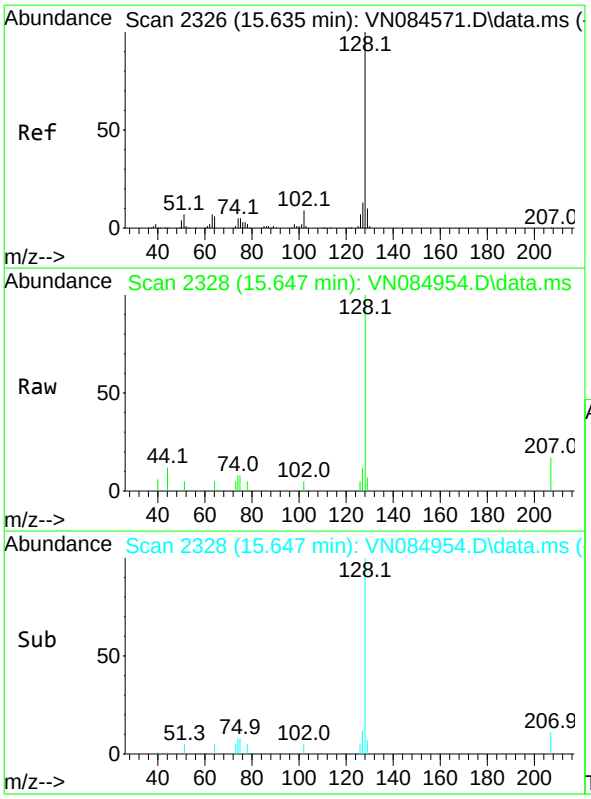


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084954.D
Acq: 19 Nov 2024 18:04

Tgt Ion:152 Resp: 125106

Ion	Ratio	Lower	Upper
152	100		
115	63.7	31.3	93.9
150	161.9	0.0	349.8



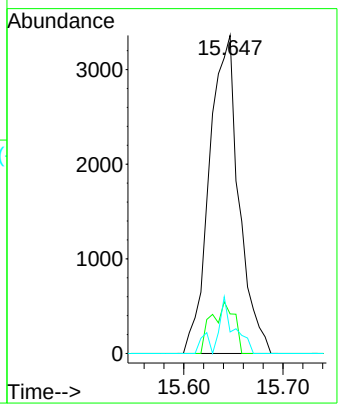


#95
Naphthalene
Concen: 0.959 ug/l
RT: 15.647 min Scan# 23
Delta R.T. 0.012 min
Lab File: VN084954.D
Acq: 19 Nov 2024 18:04

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-12R-20241111

Tgt Ion:128 Resp: 6942

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	10.4	8.7	13.1



Sample Results: **VN084954.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084954.D
Acq On : 19 Nov 2024 18:04
Operator : JC\MD
Sample : P4845-15
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-12R-20241111

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084954.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.289	51	57	73	rBV2	35944	83016	8.39%	1.402%
2	2.865	141	155	157	rBV6	11358	36699	3.71%	0.620%
3	2.895	159	160	167	rVB4	17252	27237	2.75%	0.460%
4	4.442	411	423	436	rBV2	17772	51214	5.17%	0.865%
5	8.165	1046	1056	1060	rBV	155107	356488	36.02%	6.019%
6	8.224	1060	1066	1076	rVB	244752	553975	55.97%	9.354%
7	8.359	1082	1089	1099	rVB	18715	41546	4.20%	0.702%
8	8.577	1117	1126	1134	rBV	160607	364223	36.80%	6.150%
9	8.729	1134	1152	1155	rBV3	37287	136753	13.82%	2.309%
10	9.100	1206	1215	1231	rVB	371917	765109	77.30%	12.919%
11	9.353	1250	1258	1265	rBV	70086	142977	14.44%	2.414%
12	10.565	1456	1464	1476	rBV	551004	989807	100.00%	16.713%
13	11.106	1549	1556	1560	rBV2	6618	10914	1.10%	0.184%
14	11.865	1676	1685	1697	rBV	500133	873203	88.22%	14.744%
15	12.847	1844	1852	1864	rBV	403910	679840	68.68%	11.479%
16	13.788	2003	2012	2021	rBV	472158	796007	80.42%	13.441%
17	15.641	2319	2327	2333	rBV2	6755	13258	1.34%	0.224%

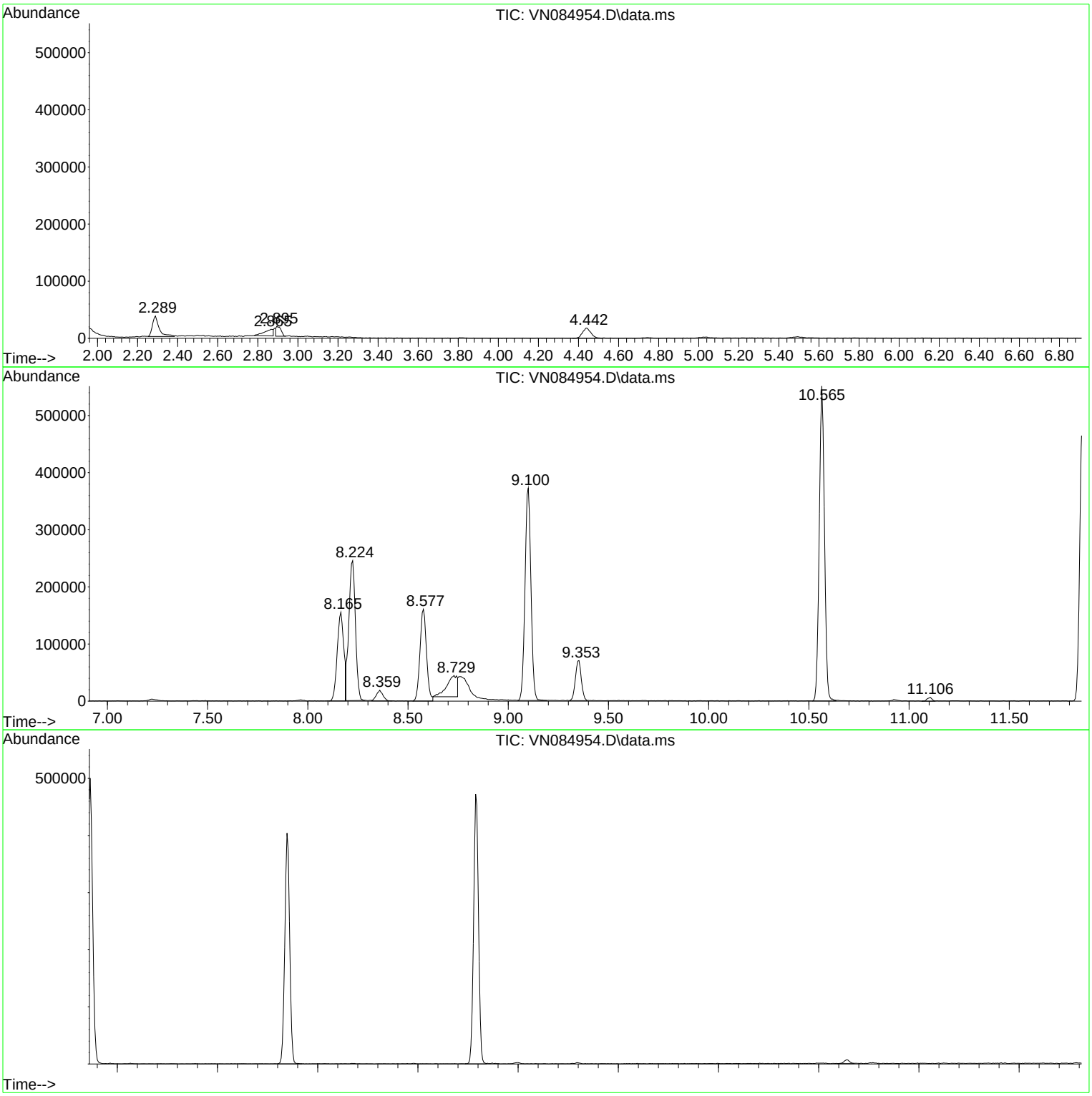
Sum of corrected areas: 5922266

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084954.D
Acq On : 19 Nov 2024 18:04
Operator : JC\MD
Sample : P4845-15
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-12R-20241111

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084954.D
Acq On : 19 Nov 2024 18:04
Operator : JC\MD
Sample : P4845-15
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-12R-20241111

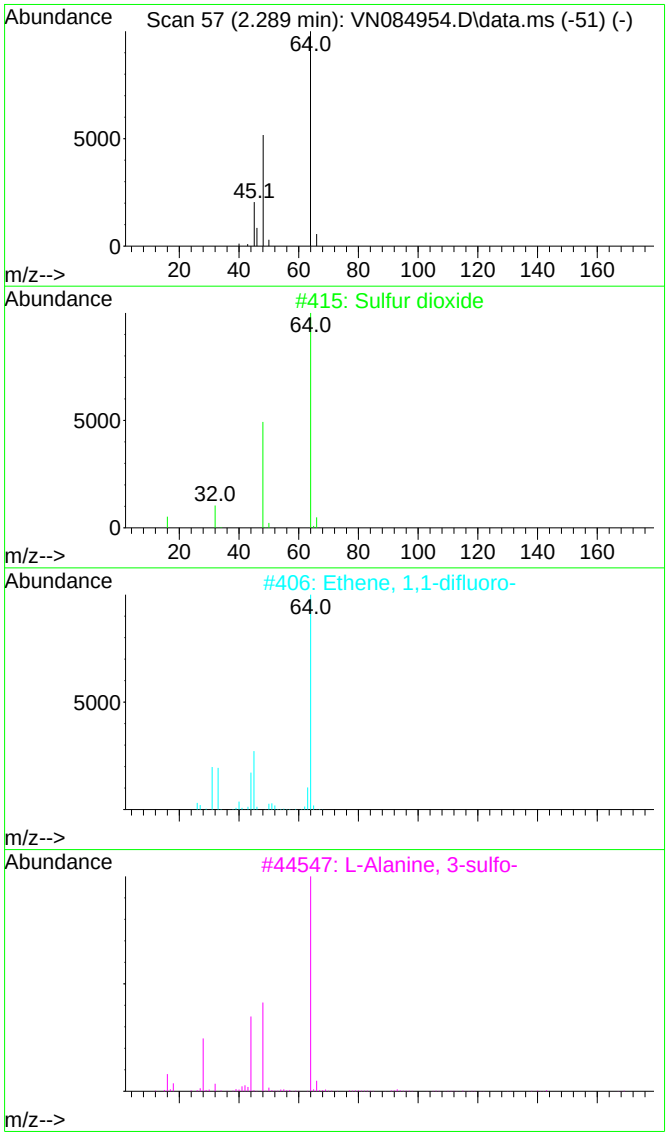
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

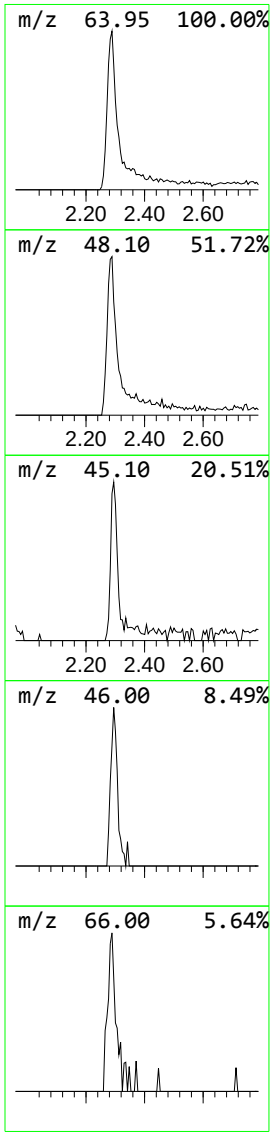
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Sulfur dioxide Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.289	7.49 ug/l	83016	Pentafluorobenzene	8.224

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	64
2	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	9
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9
5	Ethene, 1,2-difluoro-	64	C2H2F2	001691-13-0	5





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084954.D
Acq On : 19 Nov 2024 18:04
Operator : JC\MD
Sample : P4845-15
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-12R-20241111

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

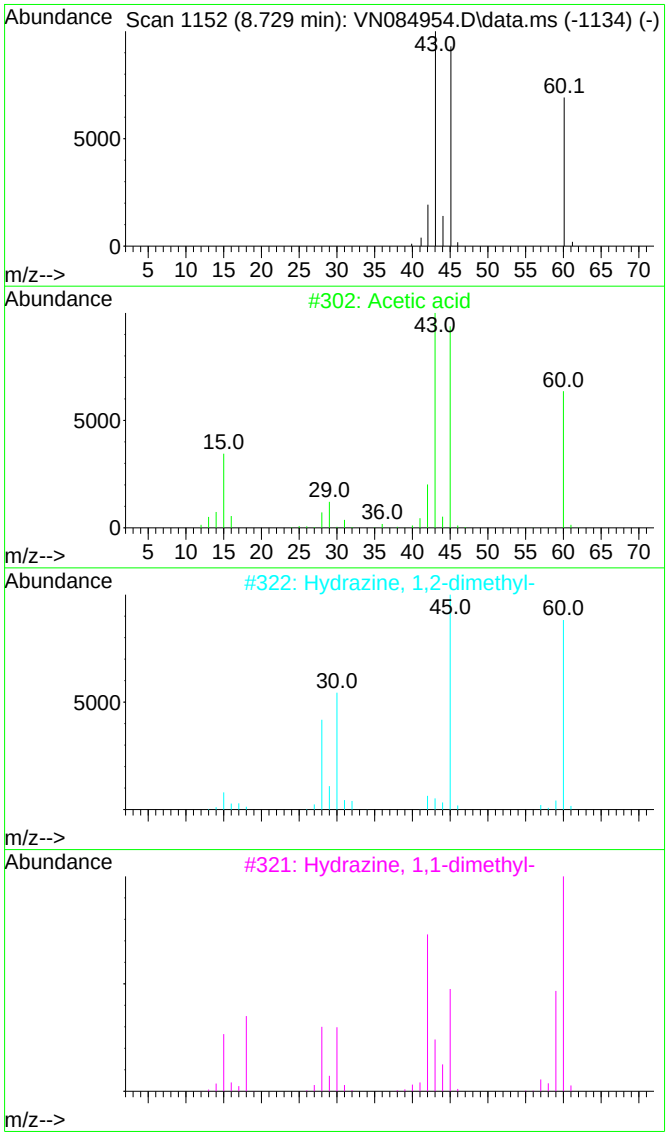
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

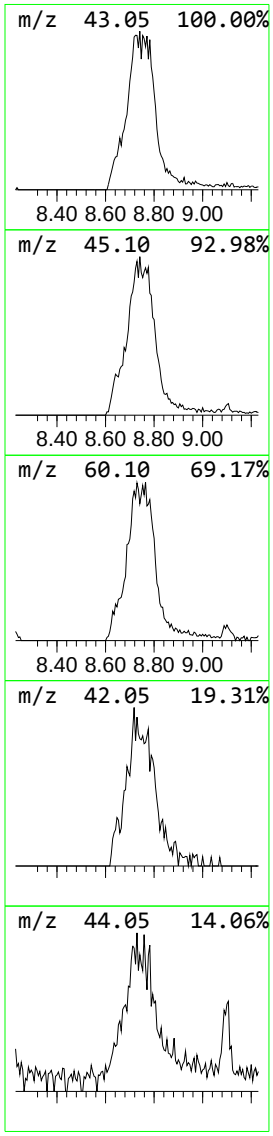
****

Peak Number 2 Acetic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.729	8.94 ug/l	136753	1,4-Difluorobenzene	9.100

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid	60	C2H4O2	000064-19-7	90
2	Hydrazine, 1,2-dimethyl-	60	C2H8N2	000540-73-8	45
3	Hydrazine, 1,1-dimethyl-	60	C2H8N2	000057-14-7	9
4	Formic acid hydrazide	60	CH4N2O	000624-84-0	9
5	Thiirane	60	C2H4S	000420-12-2	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084954.D
Acq On : 19 Nov 2024 18:04
Operator : JC\MD
Sample : P4845-15
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-12R-20241111

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	2.289	7.5	ug/l	83016	1	8.224	553975	50.0
Acetic acid	8.729	8.9	ug/l	136753	2	9.100	765109	50.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/11/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-DUP-01-20241111	SDG No.:	P4845
Lab Sample ID:	P4845-16	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084950.D	1		11/19/24 16:28	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	2.70	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	4.30		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.46	J	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	11.6		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/11/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-DUP-01-20241111	SDG No.:	P4845
Lab Sample ID:	P4845-16	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084950.D	1		11/19/24 16:28	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.85	J	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.0		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	46.1		89 - 112		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.5		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	168000	8.224				
540-36-3	1,4-Difluorobenzene	314000	9.1				
3114-55-4	Chlorobenzene-d5	278000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	125000	13.794				

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/11/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-DUP-01-20241111	SDG No.:	P4845
Lab Sample ID:	P4845-16	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084950.D	1		11/19/24 16:28	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084950.D
Acq On : 19 Nov 2024 16:28
Operator : JC\MD
Sample : P4845-16
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-DUP-01-20241111

Quant Time: Nov 20 00:30:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

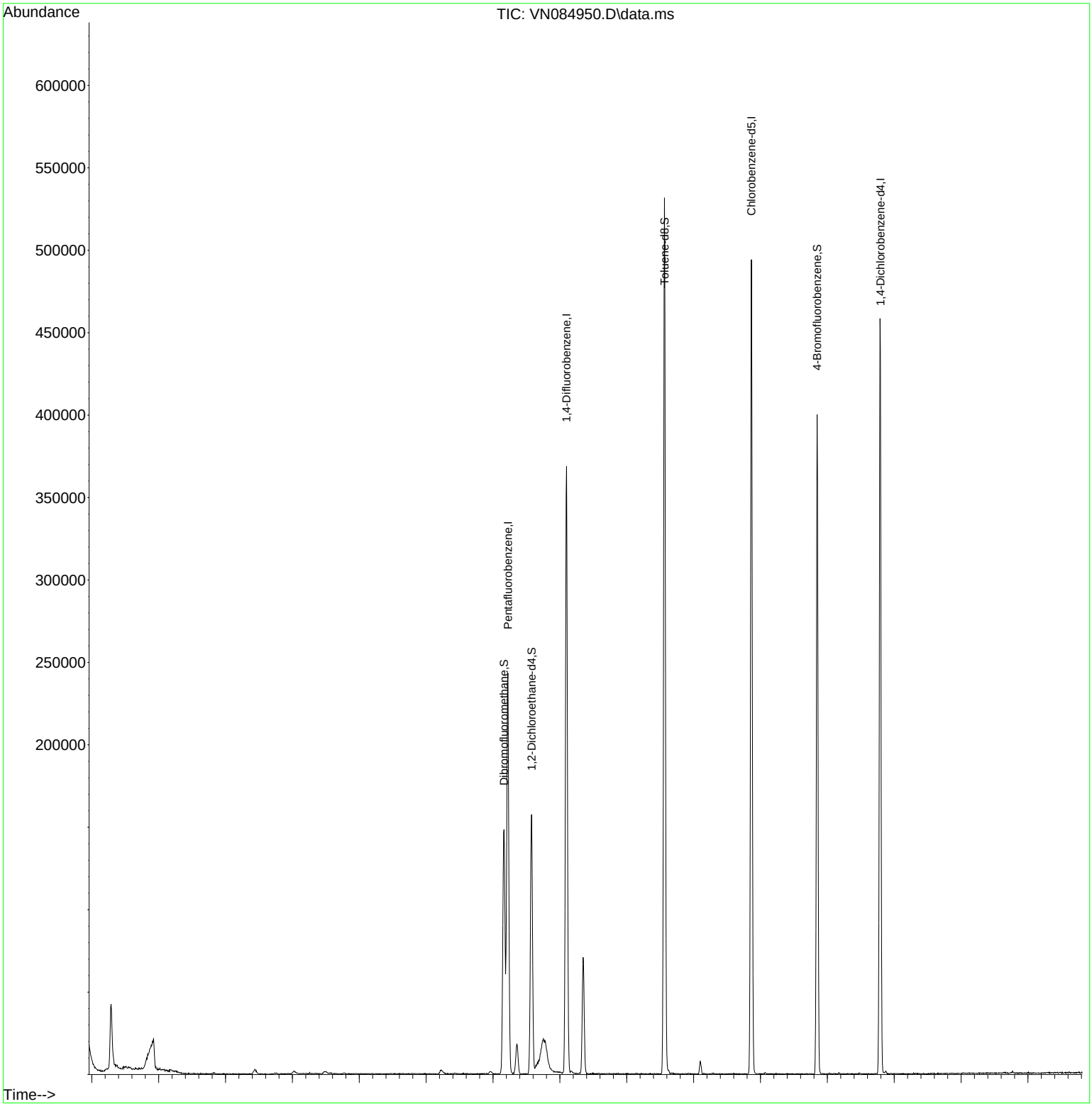
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	168035	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	314106	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	277613	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	124948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	128607	52.990	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.980%			
35) Dibromofluoromethane	8.165	113	102335	48.132	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.260%			
50) Toluene-d8	10.565	98	361008	46.094	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.180%			
62) 4-Bromofluorobenzene	12.847	95	139048	47.504	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.000%			
Target Compounds						Qvalue
16) Acetone	4.436	43	3856	2.678	ug/l	91
30) Chloroform	7.953	83	1748	0.464	ug/l #	83
38) Carbon Tetrachloride	8.353	117	14173	4.300	ug/l	93
44) Trichloroethene	9.347	130	25282	11.577	ug/l	100
64) Tetrachloroethene	11.100	164	1562	0.846	ug/l #	72

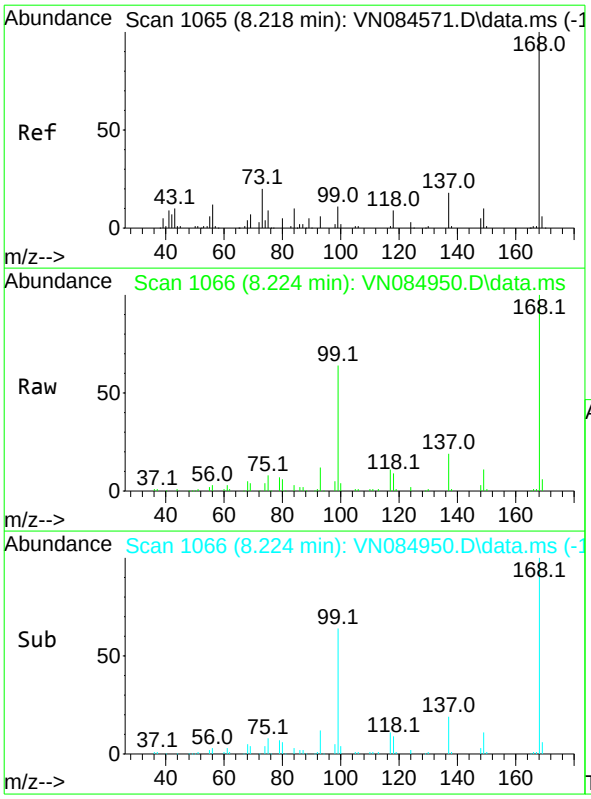
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084950.D
Acq On : 19 Nov 2024 16:28
Operator : JC\MD
Sample : P4845-16
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-DUP-01-20241111

Quant Time: Nov 20 00:30:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



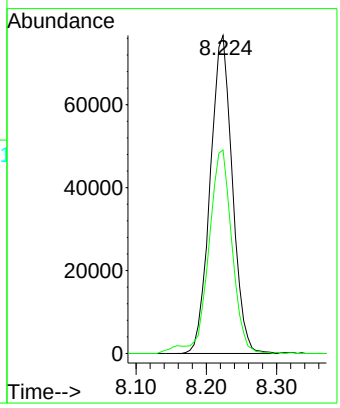


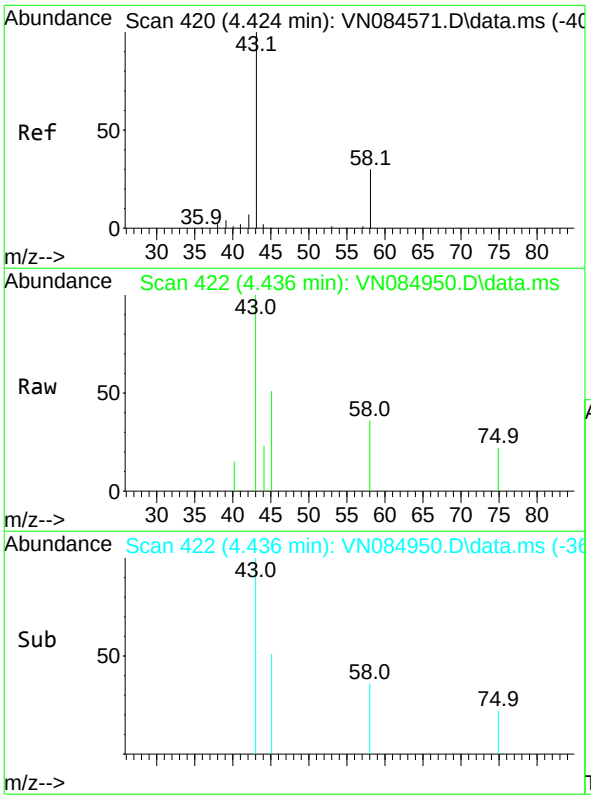
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084950.D
Acq: 19 Nov 2024 16:28

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-DUP-01-20241111

Tgt Ion:168 Resp: 168035

Ion	Ratio	Lower	Upper
168	100		
99	63.6	54.2	81.2

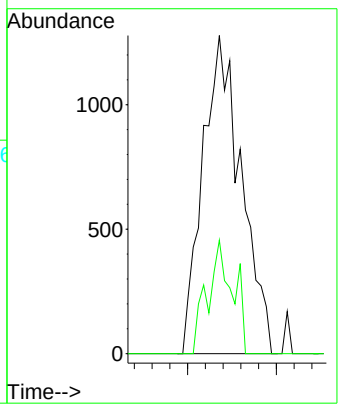


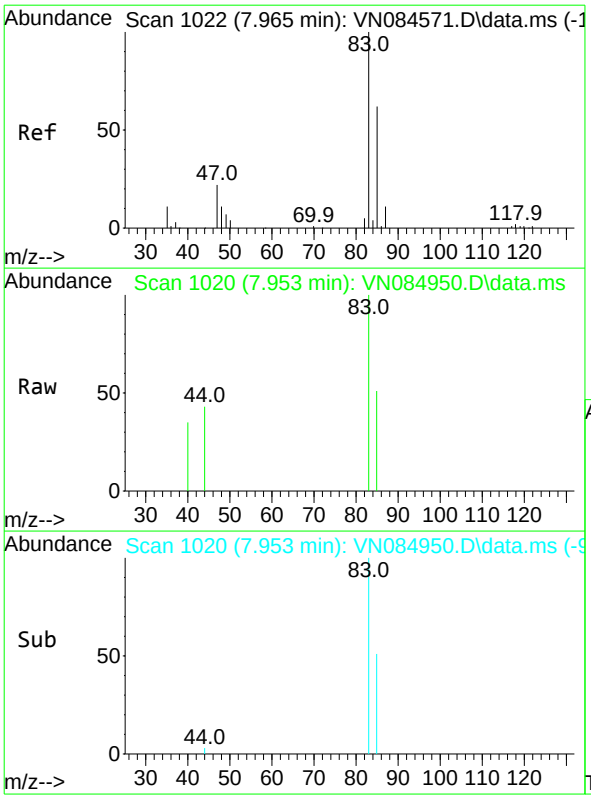


#16
Acetone
Concen: 2.678 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN084950.D
Acq: 19 Nov 2024 16:28

Tgt Ion: 43 Resp: 3856

Ion	Ratio	Lower	Upper
43	100		
58	35.7	24.4	36.6



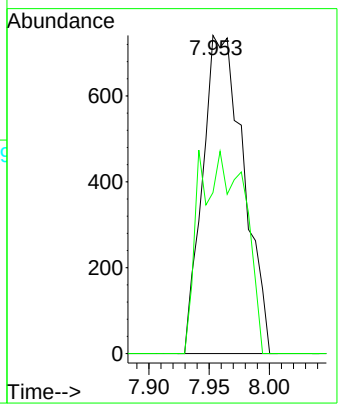


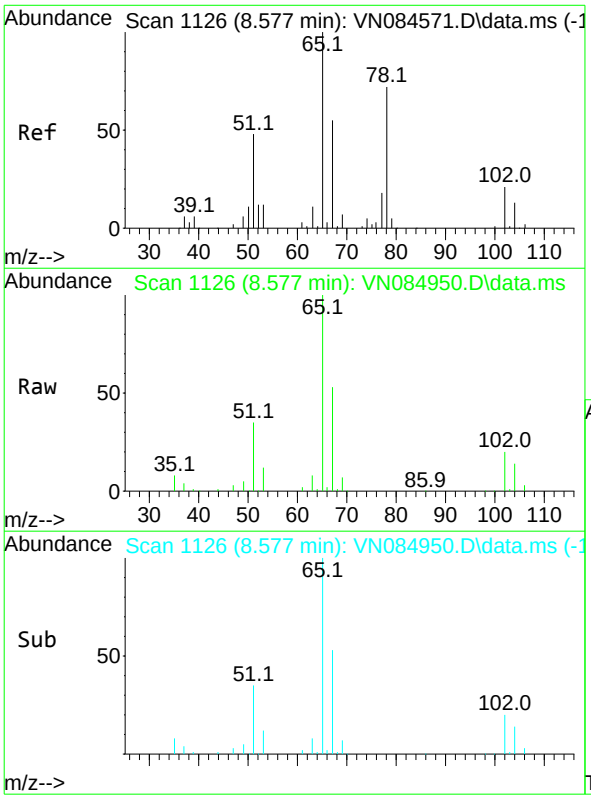
#30
Chloroform
Concen: 0.464 ug/l
RT: 7.953 min Scan# 10
Delta R.T. -0.012 min
Lab File: VN084950.D
Acq: 19 Nov 2024 16:28

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-DUP-01-20241111

Tgt Ion: 83 Resp: 1748

Ion	Ratio	Lower	Upper
83	100		
85	50.6	51.0	76.4#

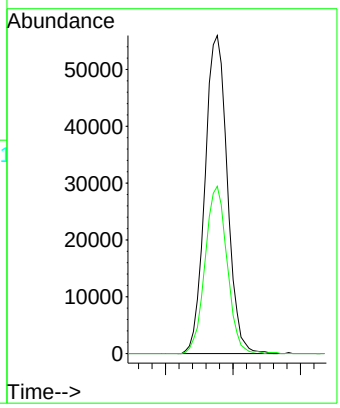


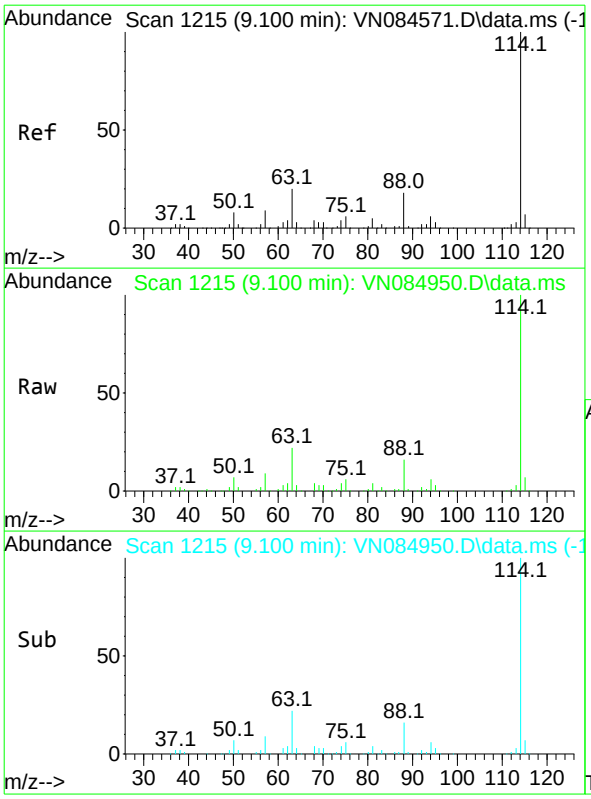


#33
1,2-Dichloroethane-d4
Concen: 52.990 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084950.D
Acq: 19 Nov 2024 16:28

Tgt Ion: 65 Resp: 128607

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	102.0



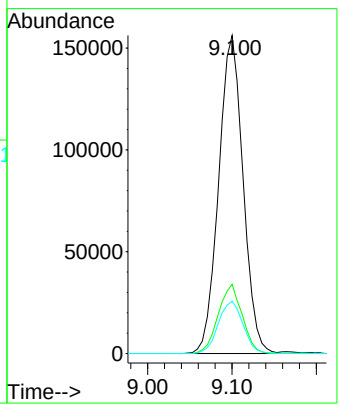


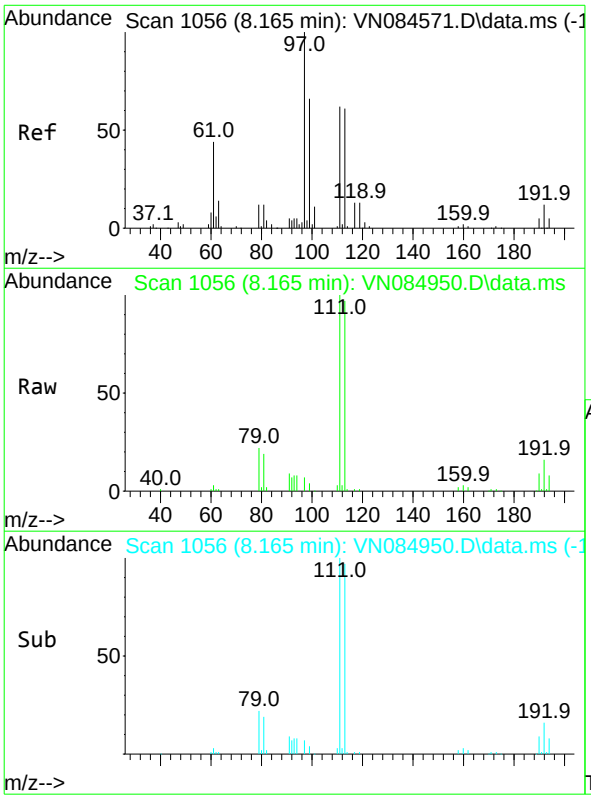
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084950.D
Acq: 19 Nov 2024 16:28

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-DUP-01-20241111

Tgt Ion:114 Resp: 314106

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.8
88	16.4	0.0	31.6

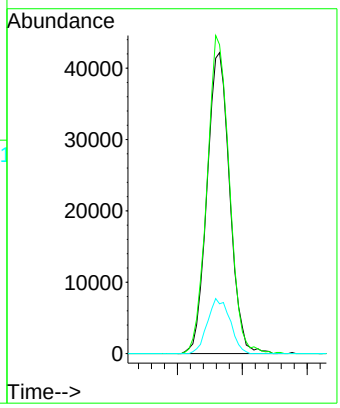


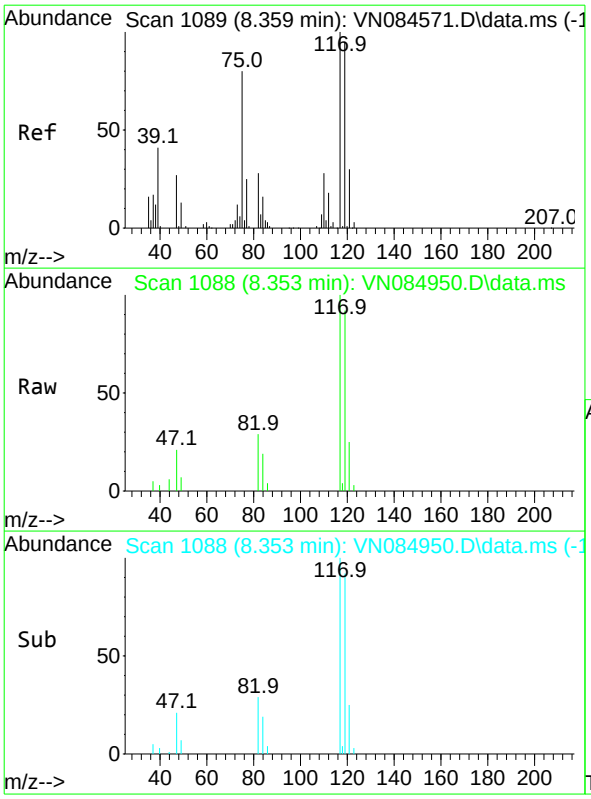


#35
Dibromofluoromethane
Concen: 48.132 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084950.D
Acq: 19 Nov 2024 16:28

Tgt Ion:113 Resp: 102335

Ion	Ratio	Lower	Upper
113	100		
111	104.1	83.3	124.9
192	18.2	13.5	20.3



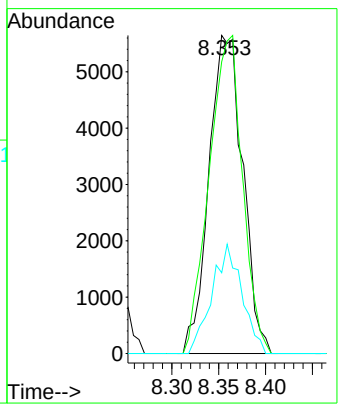


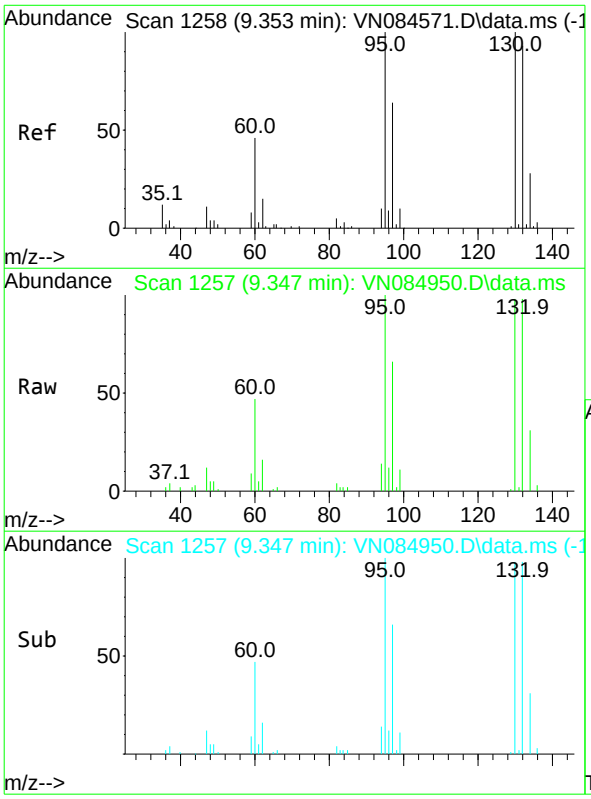
#38
Carbon Tetrachloride
Concen: 4.300 ug/l
RT: 8.353 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084950.D
Acq: 19 Nov 2024 16:28

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-DUP-01-20241111

Tgt Ion:117 Resp: 14173

Ion	Ratio	Lower	Upper
117	100		
119	91.7	78.7	118.1
121	25.4	24.4	36.6

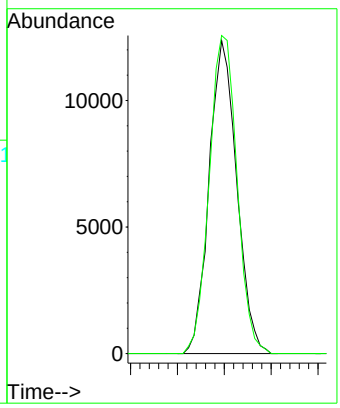


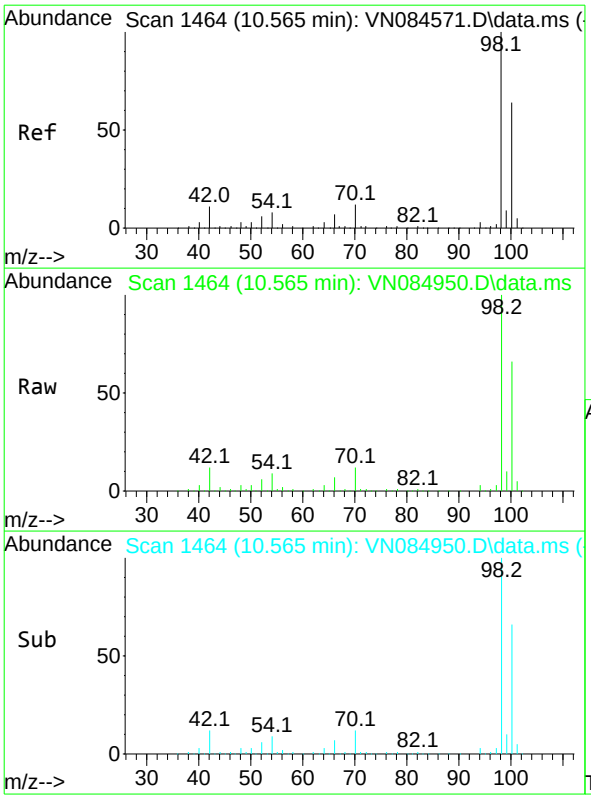


#44
Trichloroethene
Concen: 11.577 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084950.D
Acq: 19 Nov 2024 16:28

Tgt Ion:130 Resp: 25282

Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	203.0



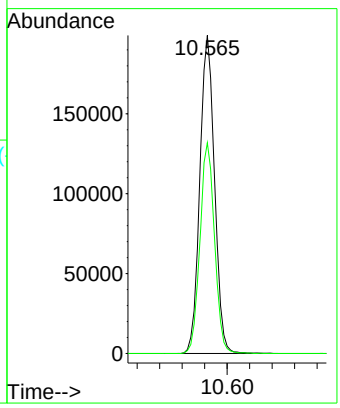


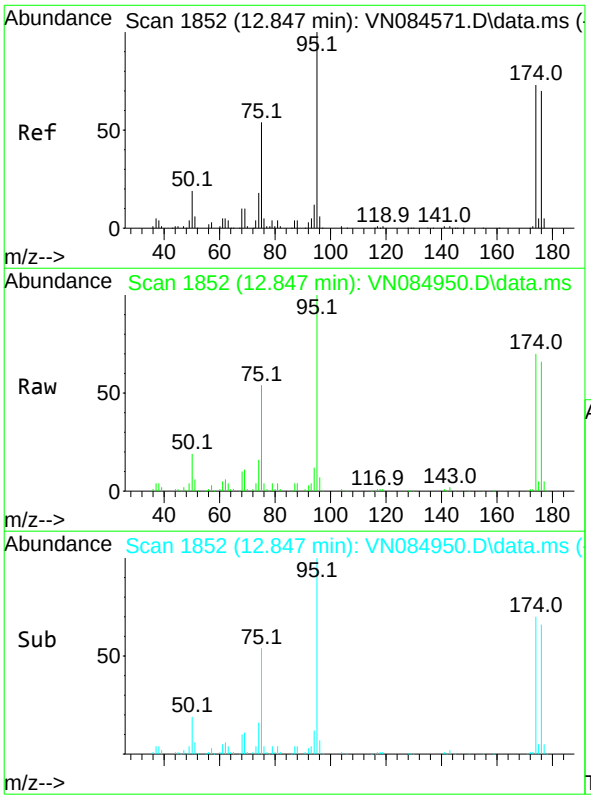
#50
Toluene-d8
Concen: 46.094 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084950.D
Acq: 19 Nov 2024 16:28

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-DUP-01-20241111

Tgt Ion: 98 Resp: 361008

Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.7	79.1

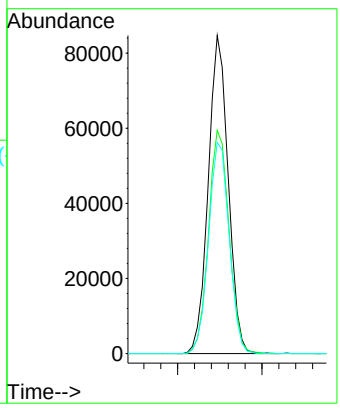


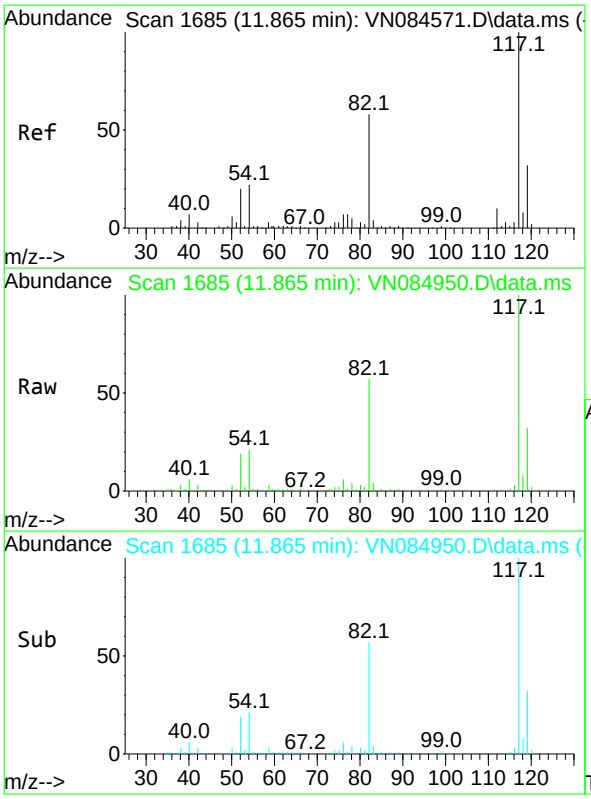


#62
4-Bromofluorobenzene
Concen: 47.504 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084950.D
Acq: 19 Nov 2024 16:28

Tgt Ion: 95 Resp: 139048

Ion	Ratio	Lower	Upper
95	100		
174	72.4	0.0	145.2
176	68.6	0.0	140.0



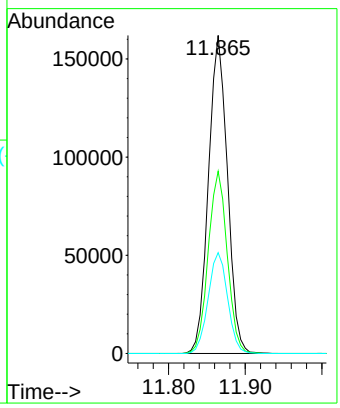


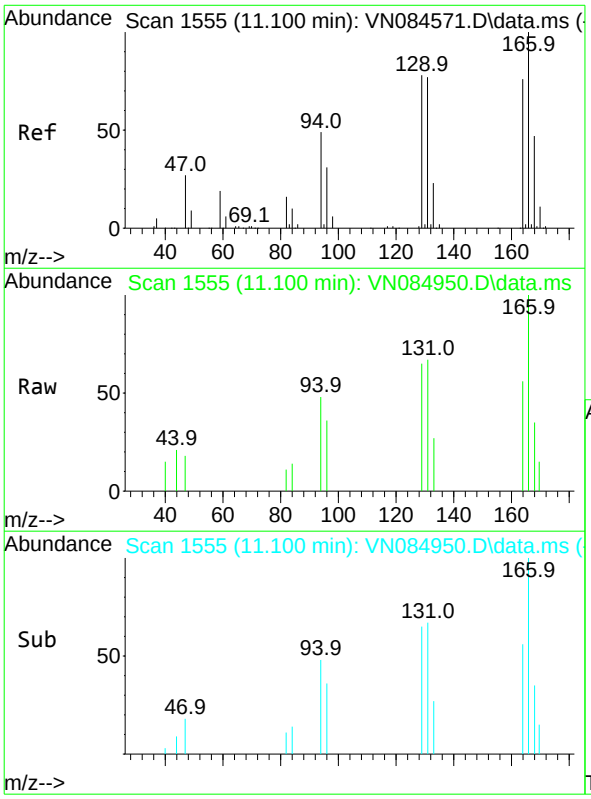
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084950.D
Acq: 19 Nov 2024 16:28

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-DUP-01-20241111

Tgt Ion:117 Resp: 277613

Ion	Ratio	Lower	Upper
117	100		
82	57.3	47.2	70.8
119	31.7	25.4	38.0

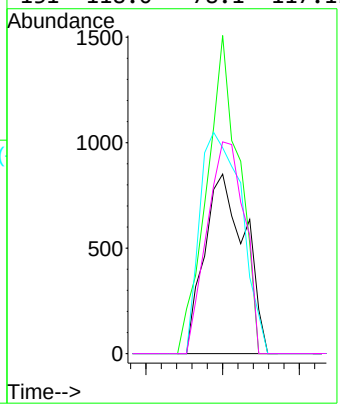


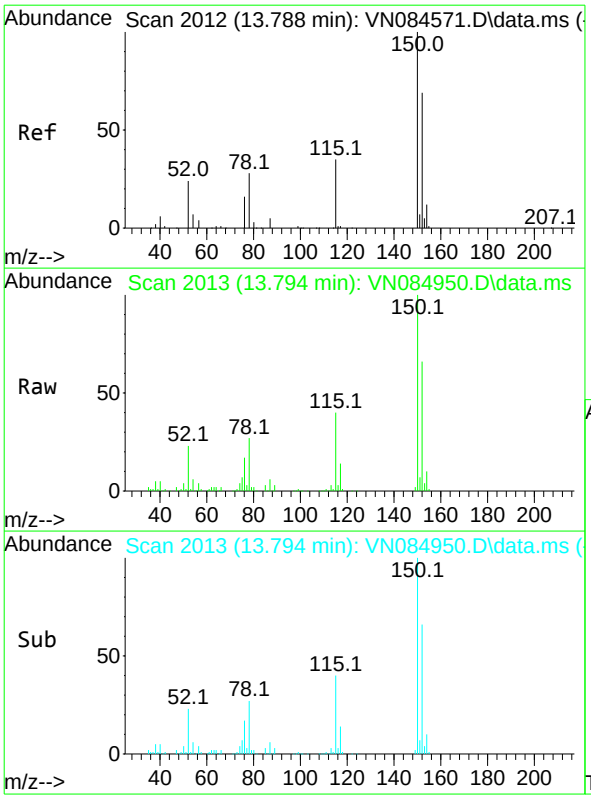


#64
Tetrachloroethene
Concen: 0.846 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084950.D
Acq: 19 Nov 2024 16:28

Tgt Ion:164 Resp: 1562

Ion	Ratio	Lower	Upper
164	100		
166	177.2	101.0	151.4#
129	114.7	80.8	121.2
131	118.0	78.1	117.1#



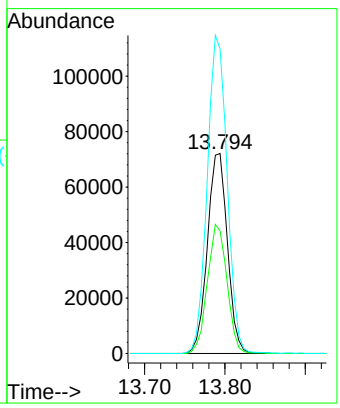


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084950.D
Acq: 19 Nov 2024 16:28

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-DUP-01-20241111

Tgt Ion:152 Resp: 124948

Ion	Ratio	Lower	Upper
152	100		
115	62.9	31.3	93.9
150	157.9	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084950.D
Acq On : 19 Nov 2024 16:28
Operator : JC\MD
Sample : P4845-16
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-DUP-01-20241111

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084950.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.289	48	57	65	rBV2	39364	88906	9.22%	1.587%
2	2.889	148	159	160	rBV5	8613	21861	2.27%	0.390%
3	8.165	1045	1056	1060	rBV	148206	351245	36.44%	6.269%
4	8.224	1060	1066	1078	rVV	243031	539930	56.02%	9.636%
5	8.359	1081	1089	1099	rVB2	18135	45246	4.69%	0.807%
6	8.577	1117	1126	1134	rBV	157335	349024	36.21%	6.229%
7	8.753	1145	1156	1158	rBV3	13610	39162	4.06%	0.699%
8	9.100	1207	1215	1224	rBV	367749	745946	77.39%	13.313%
9	9.347	1249	1257	1266	rVB	70739	143256	14.86%	2.557%
10	10.565	1455	1464	1474	rBV	531455	963854	100.00%	17.201%
11	11.100	1550	1555	1562	rBV4	7964	14304	1.48%	0.255%
12	11.865	1677	1685	1698	rVB	493928	862004	89.43%	15.384%
13	12.847	1845	1852	1862	rBV	400045	658367	68.31%	11.750%
14	13.788	2005	2012	2023	rBV	458185	780228	80.95%	13.924%

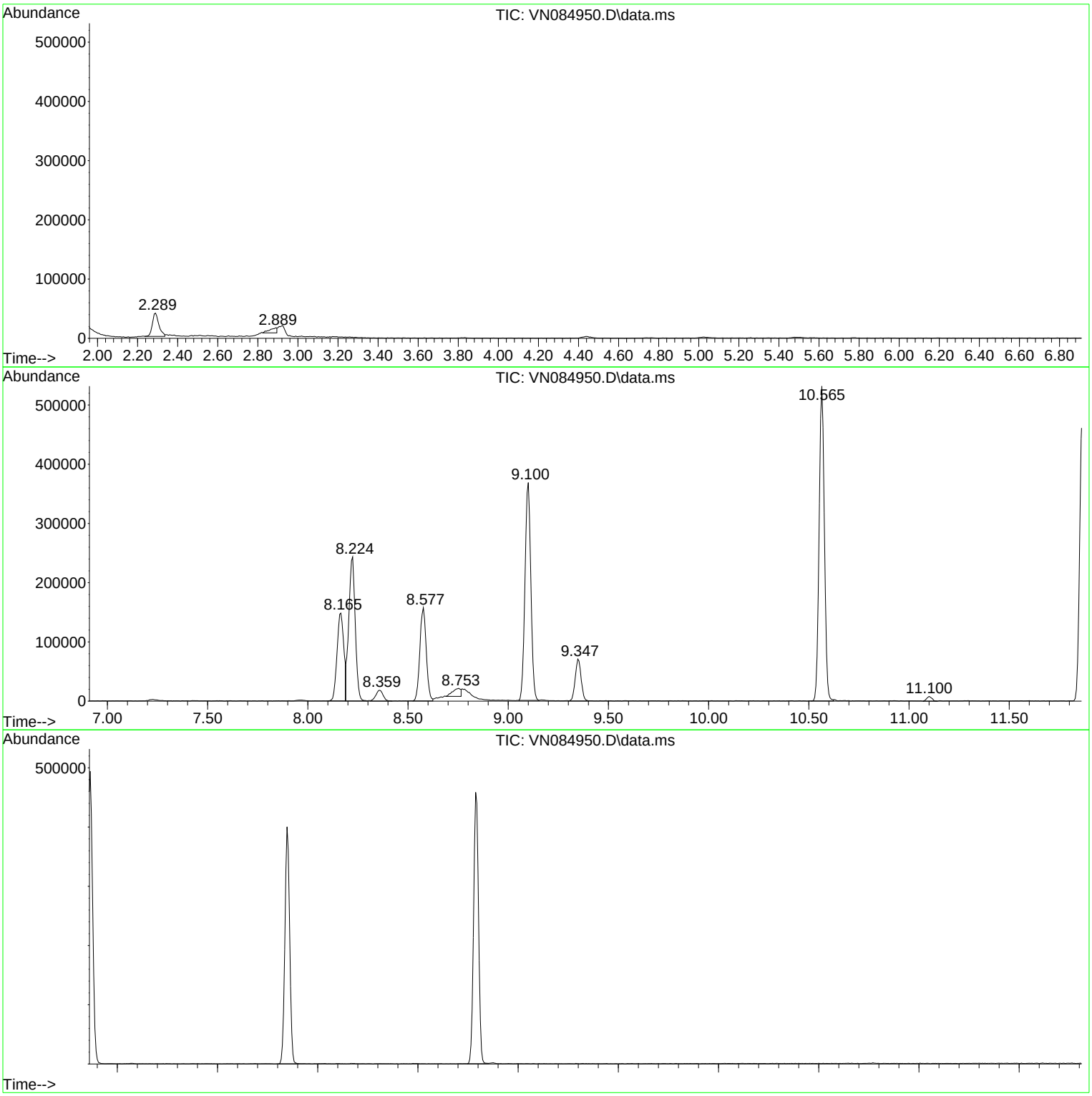
Sum of corrected areas: 5603333

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084950.D
Acq On : 19 Nov 2024 16:28
Operator : JC\MD
Sample : P4845-16
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-DUP-01-20241111

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library :
TIC Integration Parameters: RTEINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084950.D
Acq On : 19 Nov 2024 16:28
Operator : JC\MD
Sample : P4845-16
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-DUP-01-20241111

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library :
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084950.D
Acq On : 19 Nov 2024 16:28
Operator : JC\MD
Sample : P4845-16
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-DUP-01-20241111

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library :
TIC Integration Parameters: RTEINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/11/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-17-20241111	SDG No.:	P4845
Lab Sample ID:	P4845-17	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084902.D	1		11/17/24 18:01	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	3.90		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	4.60		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/11/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-17-20241111	SDG No.:	P4845
Lab Sample ID:	P4845-17	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084902.D	1		11/17/24 18:01	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.5		81 - 118		99%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	46.7		89 - 112		93%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.5		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	156000	8.218				
540-36-3	1,4-Difluorobenzene	267000	9.1				
3114-55-4	Chlorobenzene-d5	240000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	106000	13.788				
TENTATIVE IDENTIFIED COMPOUNDS							

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/11/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-17-20241111	SDG No.:	P4845
Lab Sample ID:	P4845-17	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084902.D	1		11/17/24 18:01	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000109-87-5	Methylal	7.50	J			4.44	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084902.D
Acq On : 17 Nov 2024 18:01
Operator : JC\MD
Sample : P4845-17
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-17-20241111

Quant Time: Nov 18 03:24:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

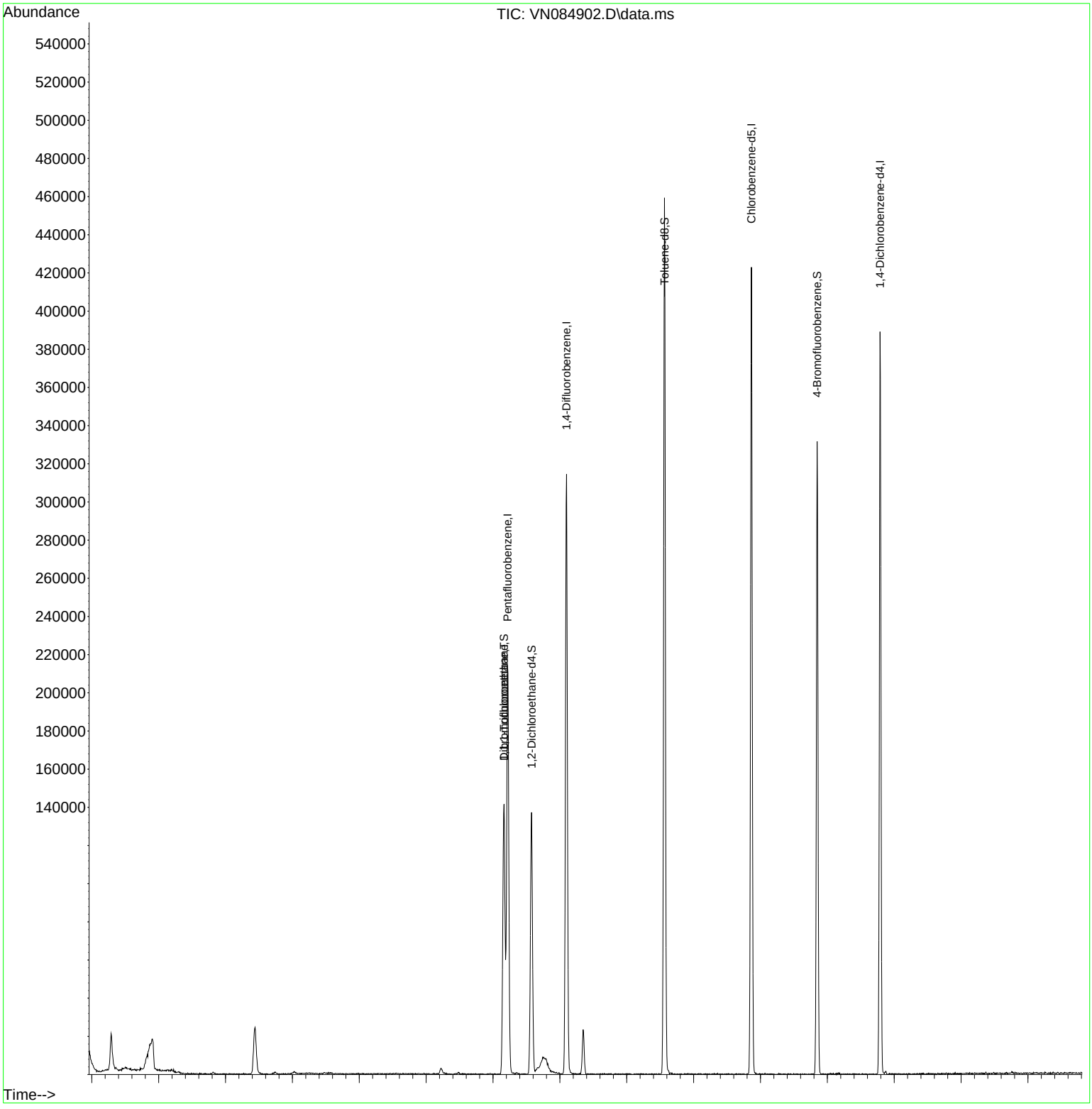
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	155704	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	266504	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	240107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	106422	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	111277	49.481	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.960%			
35) Dibromofluoromethane	8.165	113	92227	51.126	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.260%			
50) Toluene-d8	10.565	98	310279	46.693	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.380%			
62) 4-Bromofluorobenzene	12.847	95	118060	47.538	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.080%			
Target Compounds						Qvalue
32) 1,1,1-Trichloroethane	8.165	97	12434	3.913	ug/l	92
44) Trichloroethene	9.347	130	8460	4.566	ug/l	84

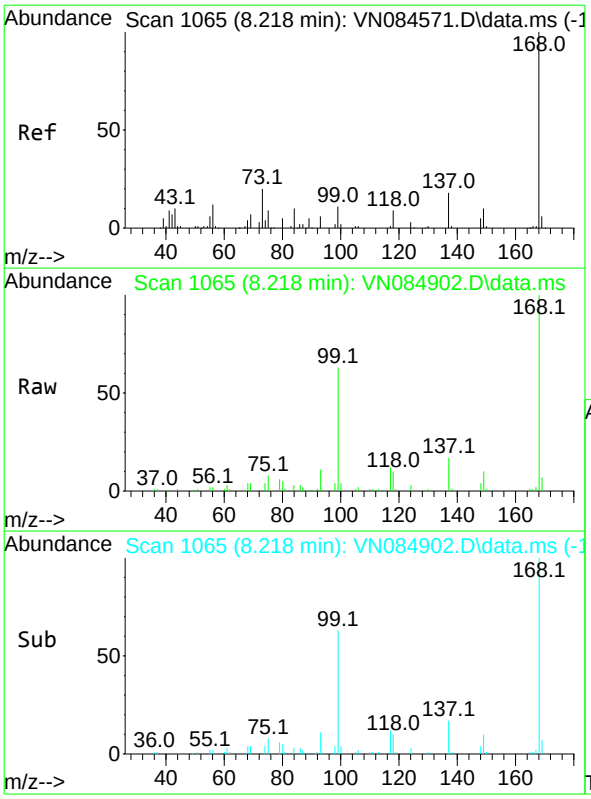
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084902.D
Acq On : 17 Nov 2024 18:01
Operator : JC\MD
Sample : P4845-17
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-17-20241111

Quant Time: Nov 18 03:24:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



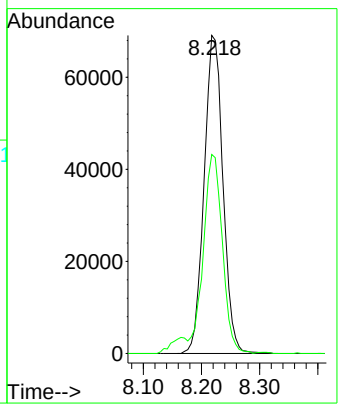


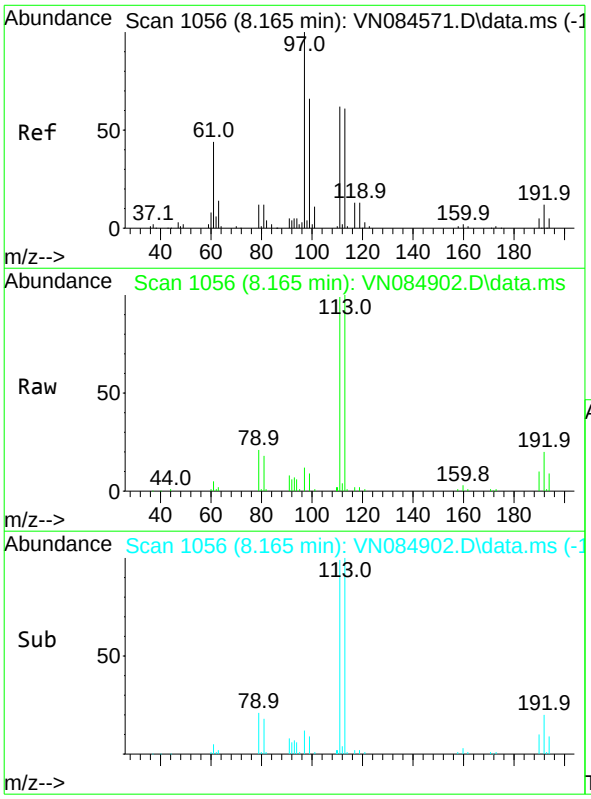
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084902.D
Acq: 17 Nov 2024 18:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-17-20241111

Tgt Ion:168 Resp: 155704

Ion	Ratio	Lower	Upper
168	100		
99	62.6	54.2	81.2

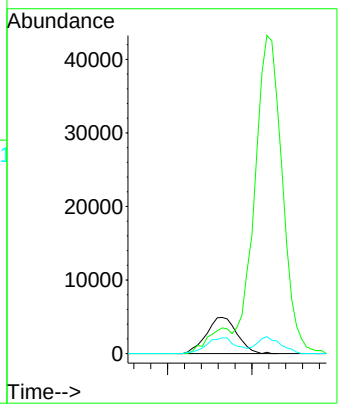


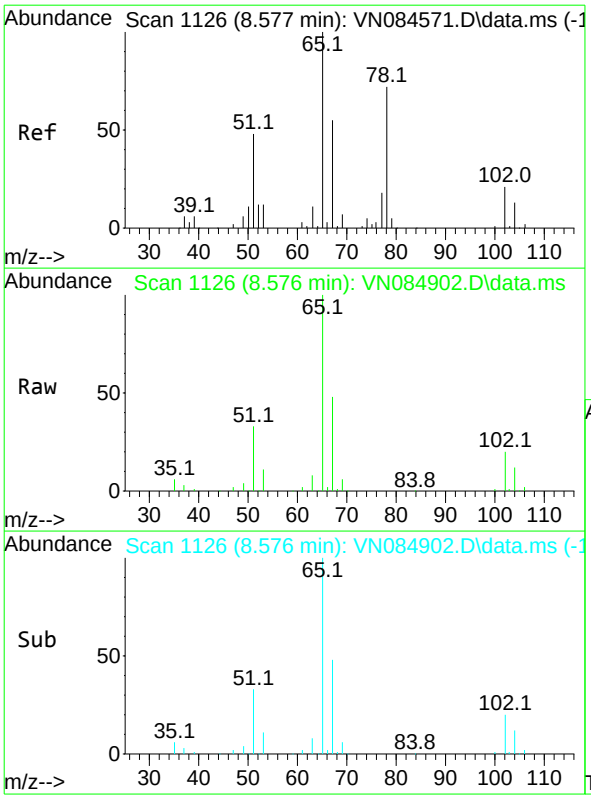


#32
1,1,1-Trichloroethane
Concen: 3.913 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084902.D
Acq: 17 Nov 2024 18:01

Tgt Ion: 97 Resp: 12434

Ion	Ratio	Lower	Upper
97	100		
99	56.7	51.2	76.8
61	42.5	37.5	56.3



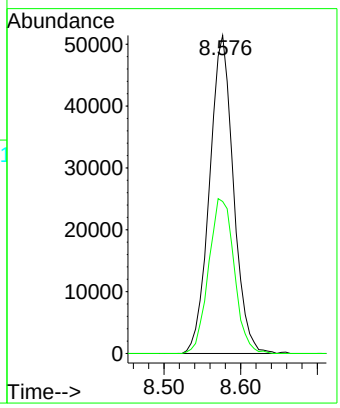


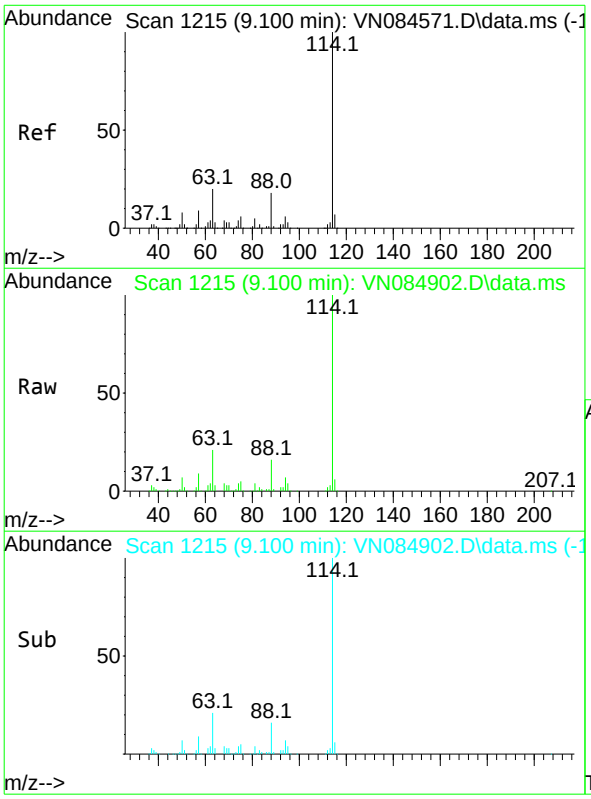
#33
1,2-Dichloroethane-d4
Concen: 49.481 ug/l
RT: 8.576 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN084902.D
Acq: 17 Nov 2024 18:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-17-20241111

Tgt Ion: 65 Resp: 111277

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	102.0

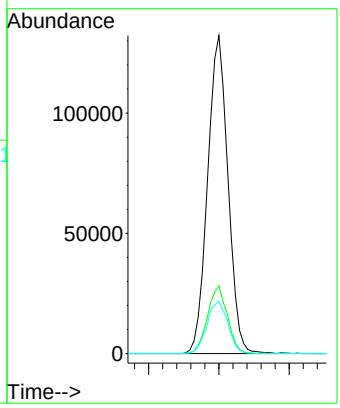


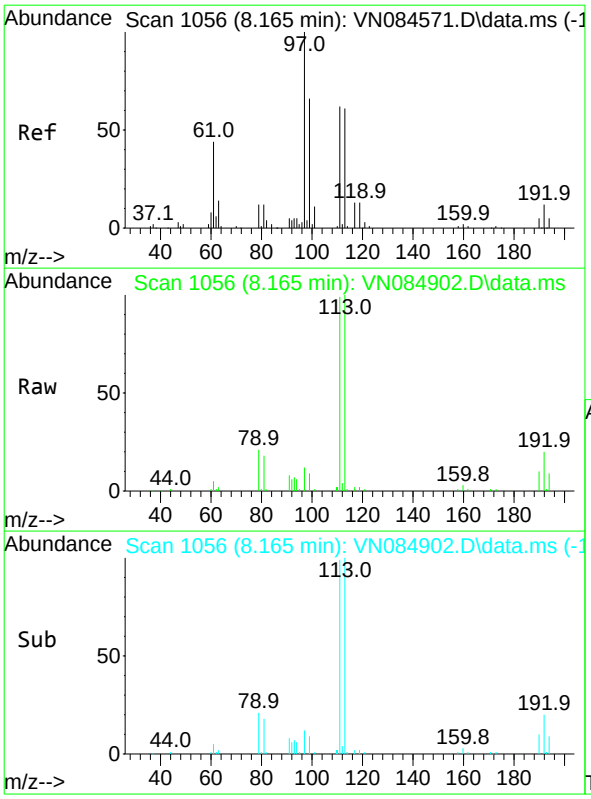


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084902.D
Acq: 17 Nov 2024 18:01

Tgt Ion:114 Resp: 266504

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	43.8
88	16.4	0.0	31.6



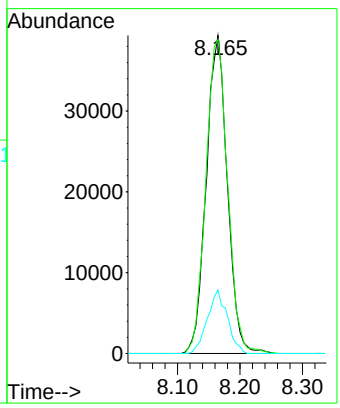


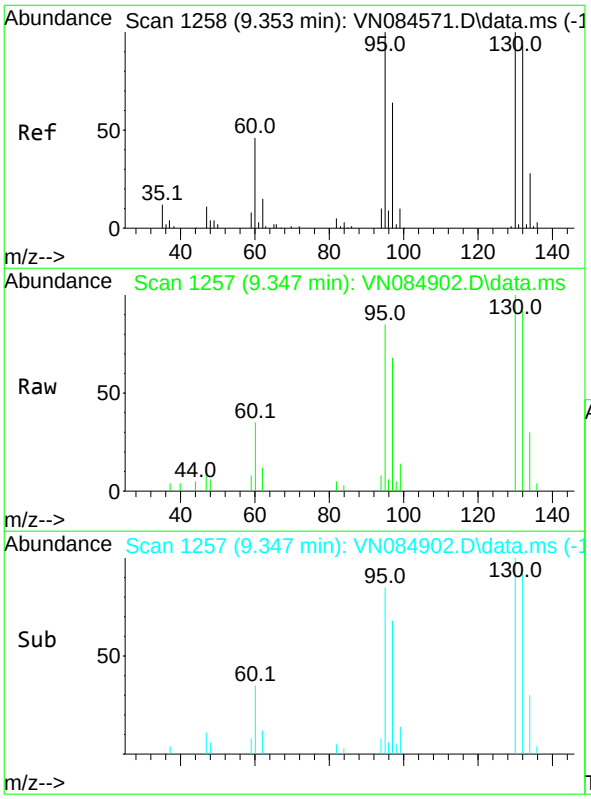
#35
Dibromofluoromethane
Concen: 51.126 ug/l
RT: 8.165 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084902.D
Acq: 17 Nov 2024 18:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-17-20241111

Tgt Ion:113 Resp: 92227

Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.3	124.9
192	18.9	13.5	20.3

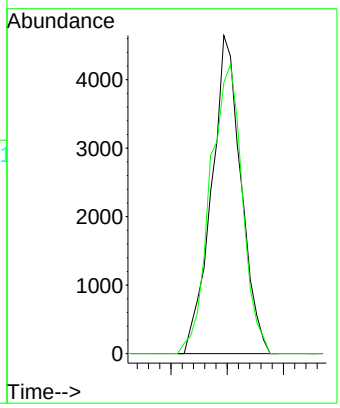


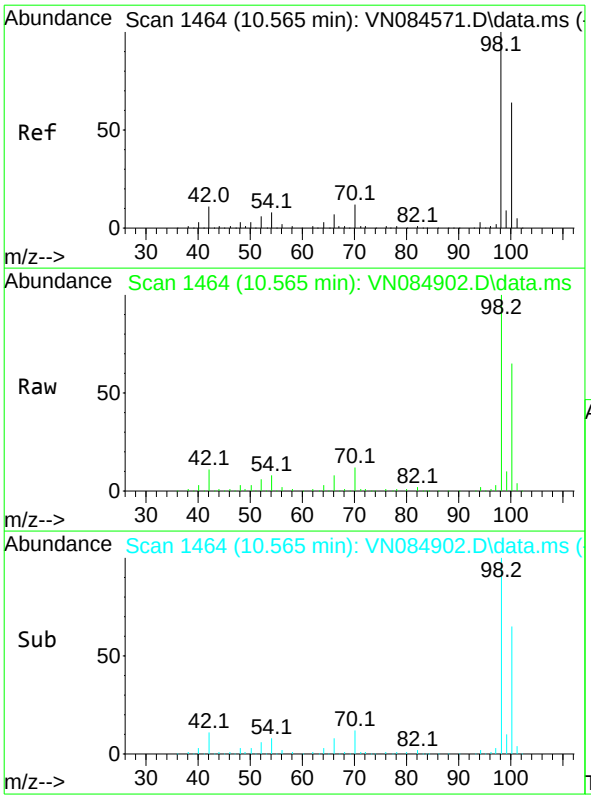


#44
Trichloroethene
Concen: 4.566 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084902.D
Acq: 17 Nov 2024 18:01

Tgt Ion:130 Resp: 8460

Ion	Ratio	Lower	Upper
130	100		
95	85.3	0.0	203.0



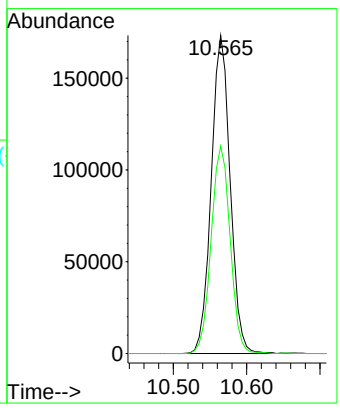


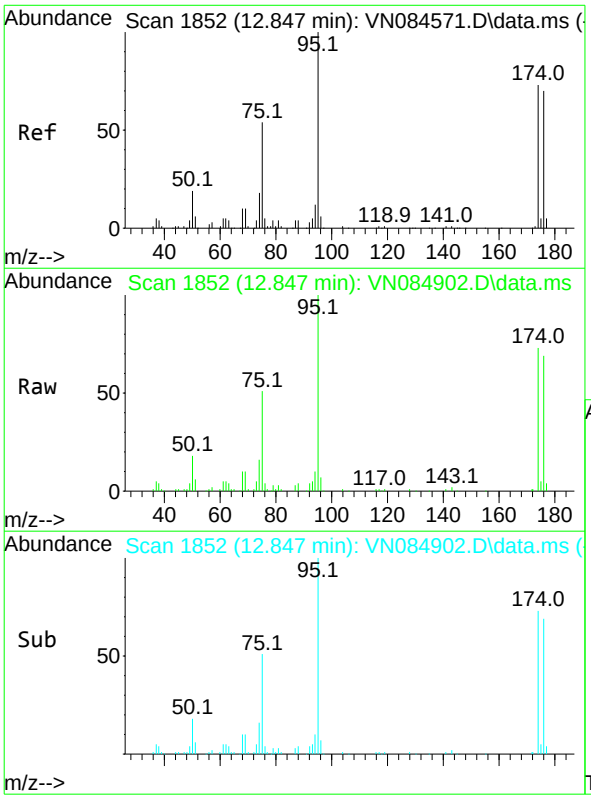
#50
Toluene-d8
Concen: 46.693 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084902.D
Acq: 17 Nov 2024 18:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-17-20241111

Tgt Ion: 98 Resp: 310279

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1

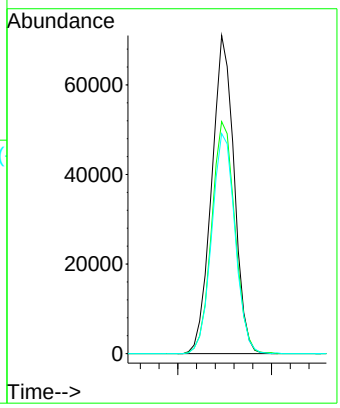


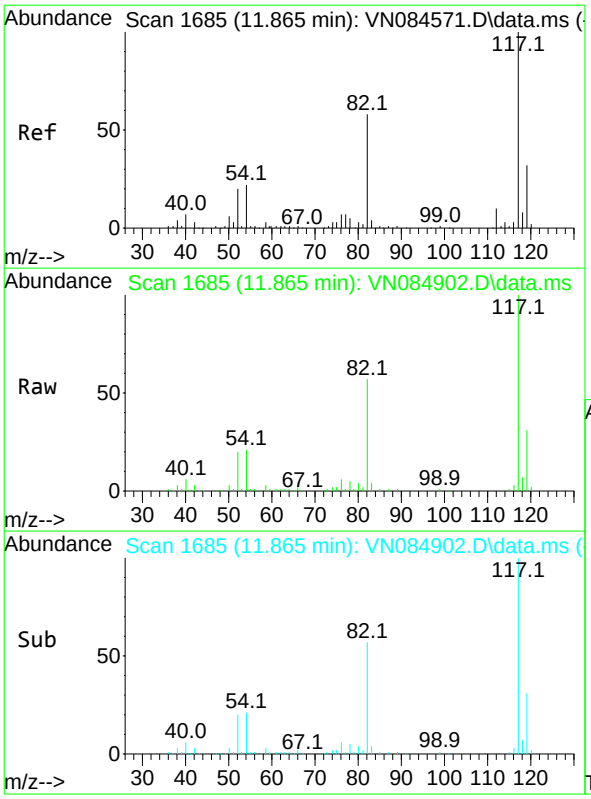


#62
4-Bromofluorobenzene
Concen: 47.538 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084902.D
Acq: 17 Nov 2024 18:01

Tgt Ion: 95 Resp: 118060

Ion	Ratio	Lower	Upper
95	100		
174	75.6	0.0	145.2
176	71.7	0.0	140.0



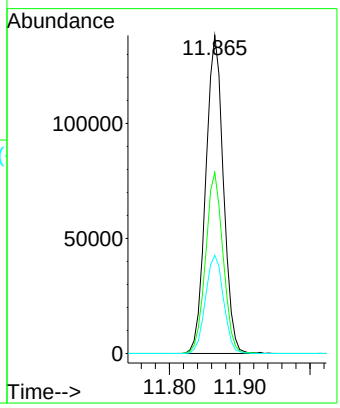


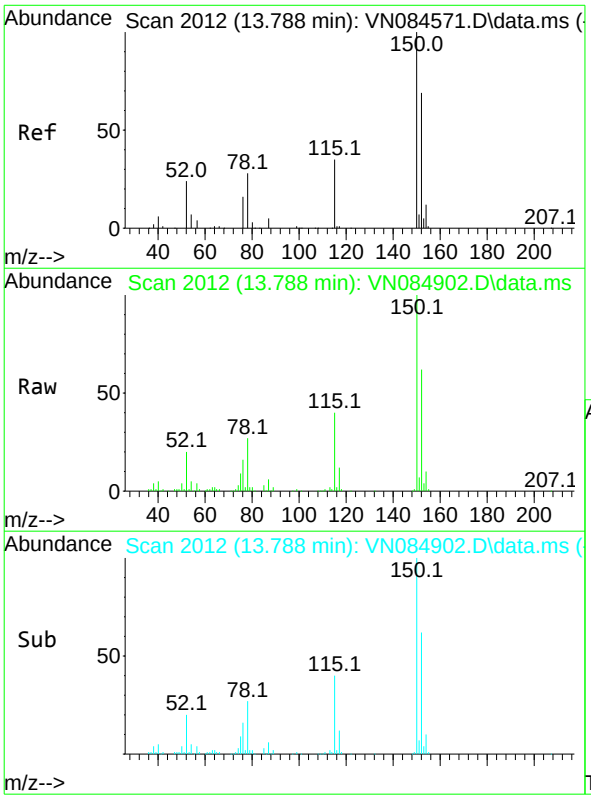
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.001 min
Lab File: VN084902.D
Acq: 17 Nov 2024 18:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-17-20241111

Tgt Ion:117 Resp: 240107

Ion	Ratio	Lower	Upper
117	100		
82	56.9	47.2	70.8
119	30.8	25.4	38.0

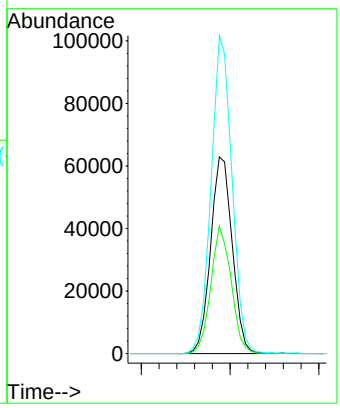




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084902.D
Acq: 17 Nov 2024 18:01

Tgt Ion:152 Resp: 106422

Ion	Ratio	Lower	Upper
152	100		
115	60.8	31.3	93.9
150	156.3	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084902.D
Acq On : 17 Nov 2024 18:01
Operator : JC\MD
Sample : P4845-17
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-17-20241111

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084902.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.289	50	57	67	rBV2	19039	44190	5.37%	0.941%
2	2.830	139	149	150	rBV5	7373	15997	1.94%	0.341%
3	2.877	150	157	159	rBV4	6983	16774	2.04%	0.357%
4	4.441	412	423	435	rBV2	24579	71757	8.72%	1.528%
5	8.165	1046	1056	1060	rBV	141463	333254	40.49%	7.097%
6	8.218	1060	1065	1077	rVB	213740	480566	58.38%	10.234%
7	8.576	1117	1126	1135	rBV	136892	296736	36.05%	6.319%
8	8.741	1146	1154	1155	rBV	5020	8714	1.06%	0.186%
9	9.100	1204	1215	1225	rBV	314240	634703	77.11%	13.517%
10	9.347	1250	1257	1264	rVB3	23390	45730	5.56%	0.974%
11	10.565	1453	1464	1477	rBV	459233	823116	100.00%	17.529%
12	11.865	1677	1685	1695	rBV	422528	727878	88.43%	15.501%
13	12.847	1845	1852	1863	rBV	331782	556617	67.62%	11.854%
14	13.788	2005	2012	2023	rVB	388776	639711	77.72%	13.623%

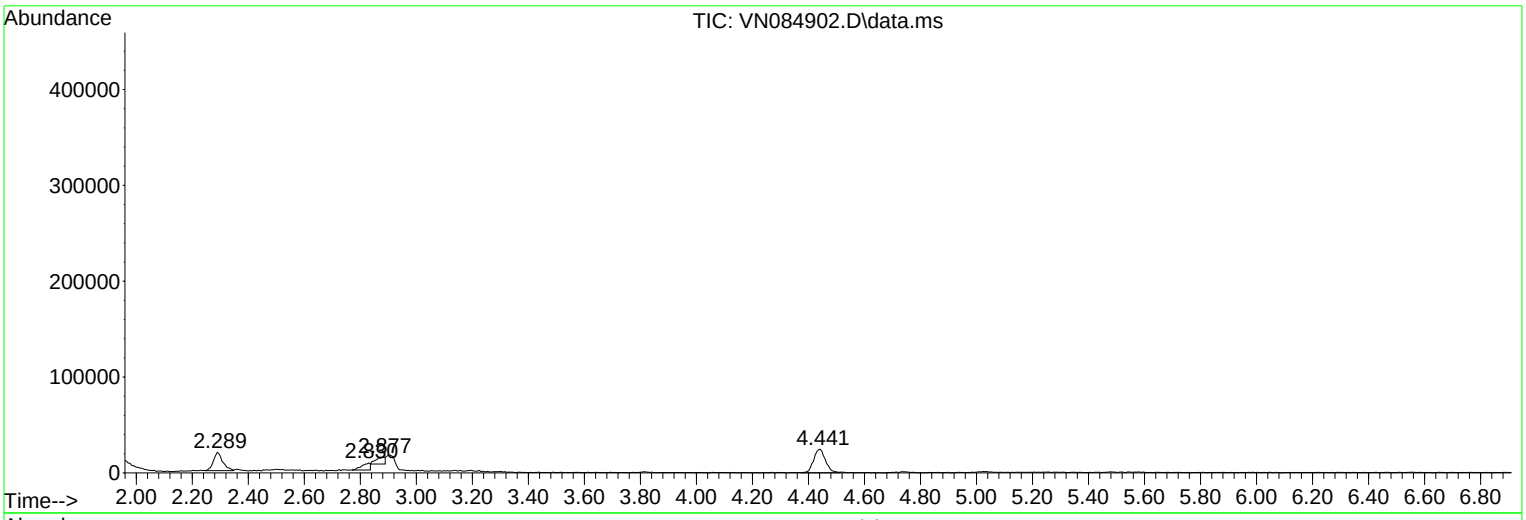
Sum of corrected areas: 4695743

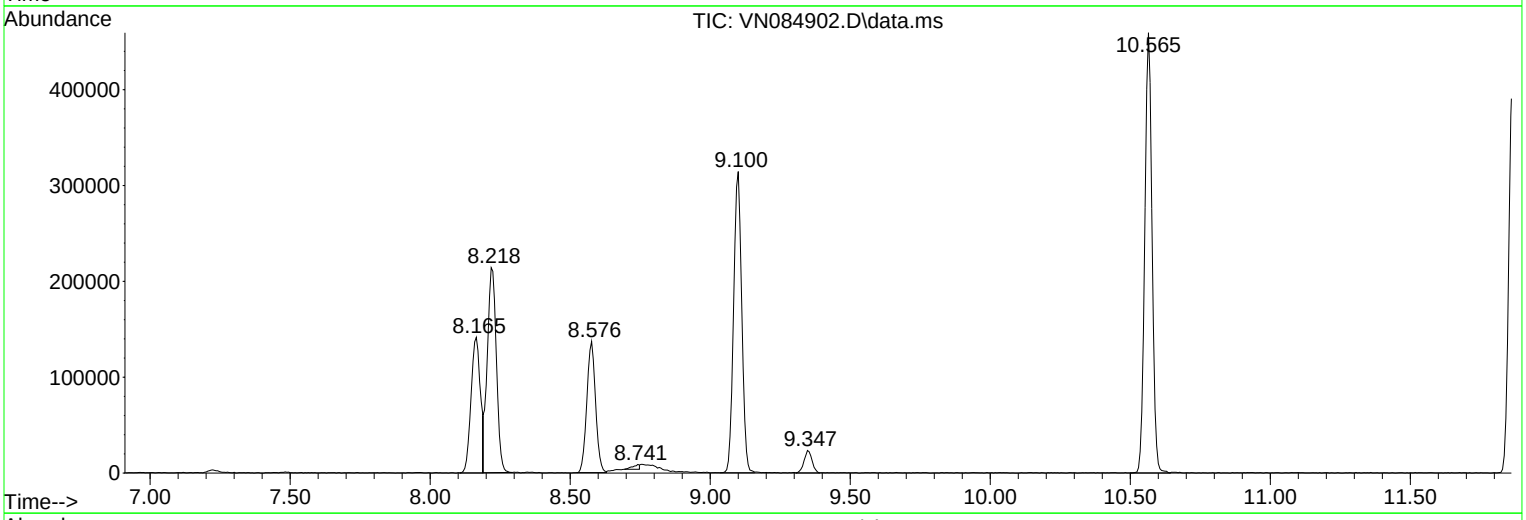
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084902.D
Acq On : 17 Nov 2024 18:01
Operator : JC\MD
Sample : P4845-17
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

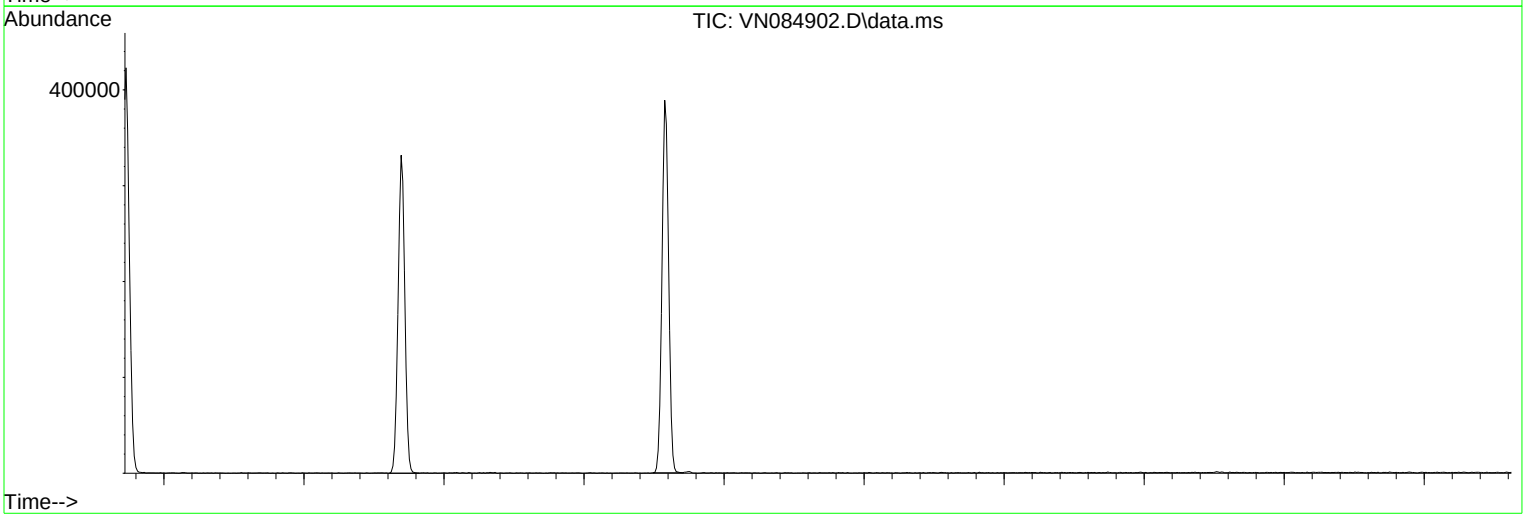
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-17-20241111

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084902.D
Acq On : 17 Nov 2024 18:01
Operator : JC\MD
Sample : P4845-17
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-17-20241111

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

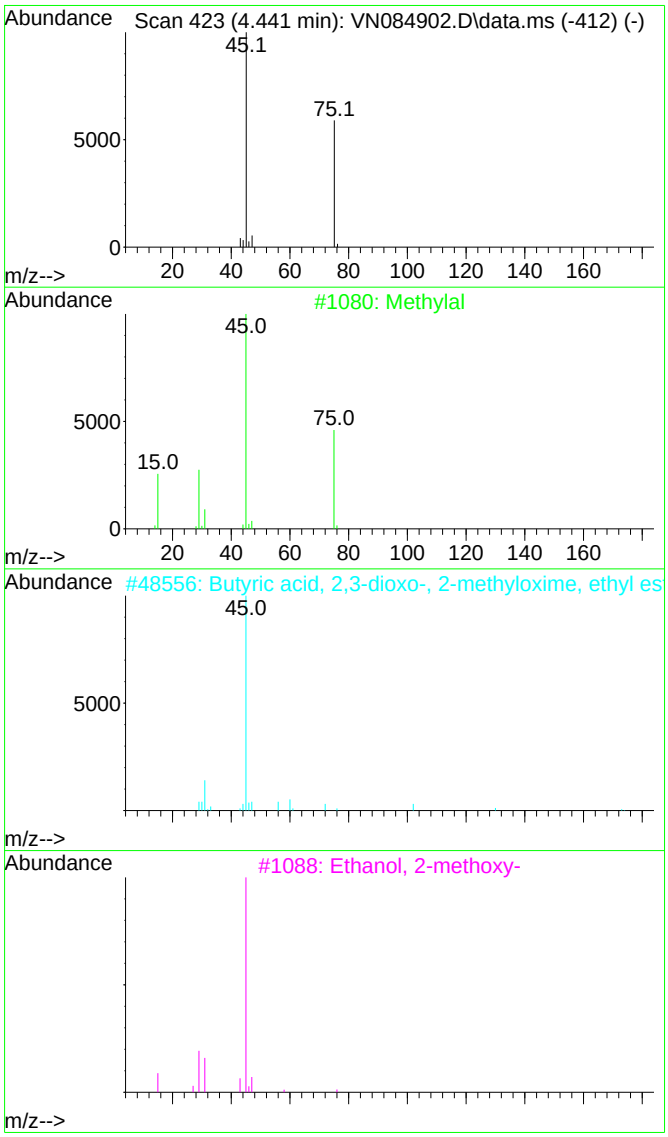
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

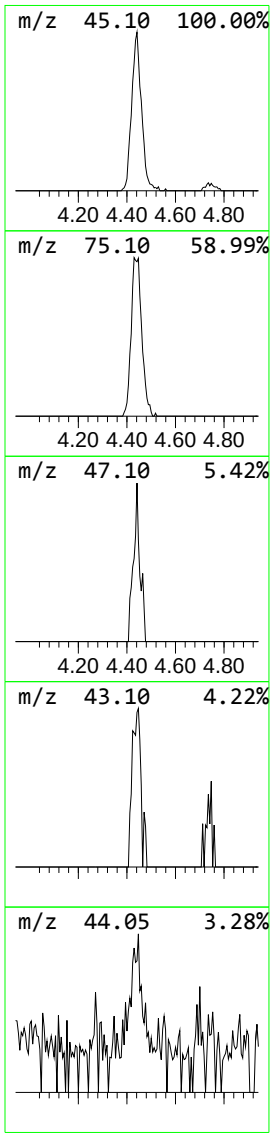
****

Peak Number 1 Methylal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.441	7.47 ug/l	71757	Pentafluorobenzene	8.218

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylal	76	C3H8O2	000109-87-5	90
2	Butyric acid, 2,3-dioxo-, 2-meth...	173	C7H11NO4	060846-14-2	9
3	Ethanol, 2-methoxy-	76	C3H8O2	000109-86-4	5
4	Propylene Glycol	76	C3H8O2	000057-55-6	5
5	Glycine	75	C2H5NO2	000056-40-6	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084902.D
Acq On : 17 Nov 2024 18:01
Operator : JC\MD
Sample : P4845-17
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-17-20241111

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Methylal	4.441	7.5	ug/l	71757	1	8.218	480566	50.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/11/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-FD-2-20241111	SDG No.:	P4845
Lab Sample ID:	P4845-18	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084903.D	1		11/17/24 18:25	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	4.00		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	5.00		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/11/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-FD-2-20241111	SDG No.:	P4845
Lab Sample ID:	P4845-18	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084903.D	1		11/17/24 18:25	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.5		81 - 118		99%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	46.1		89 - 112		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.5		85 - 114		89%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	153000	8.224				
540-36-3	1,4-Difluorobenzene	263000	9.1				
3114-55-4	Chlorobenzene-d5	230000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	101000	13.788				
TENTATIVE IDENTIFIED COMPOUNDS							

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Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/11/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-FD-2-20241111	SDG No.:	P4845
Lab Sample ID:	P4845-18	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084903.D	1		11/17/24 18:25	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000109-87-5	Methylal	7.40	J			4.44	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084903.D
Acq On : 17 Nov 2024 18:25
Operator : JC\MD
Sample : P4845-18
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-FD-2-20241111

Quant Time: Nov 18 03:20:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

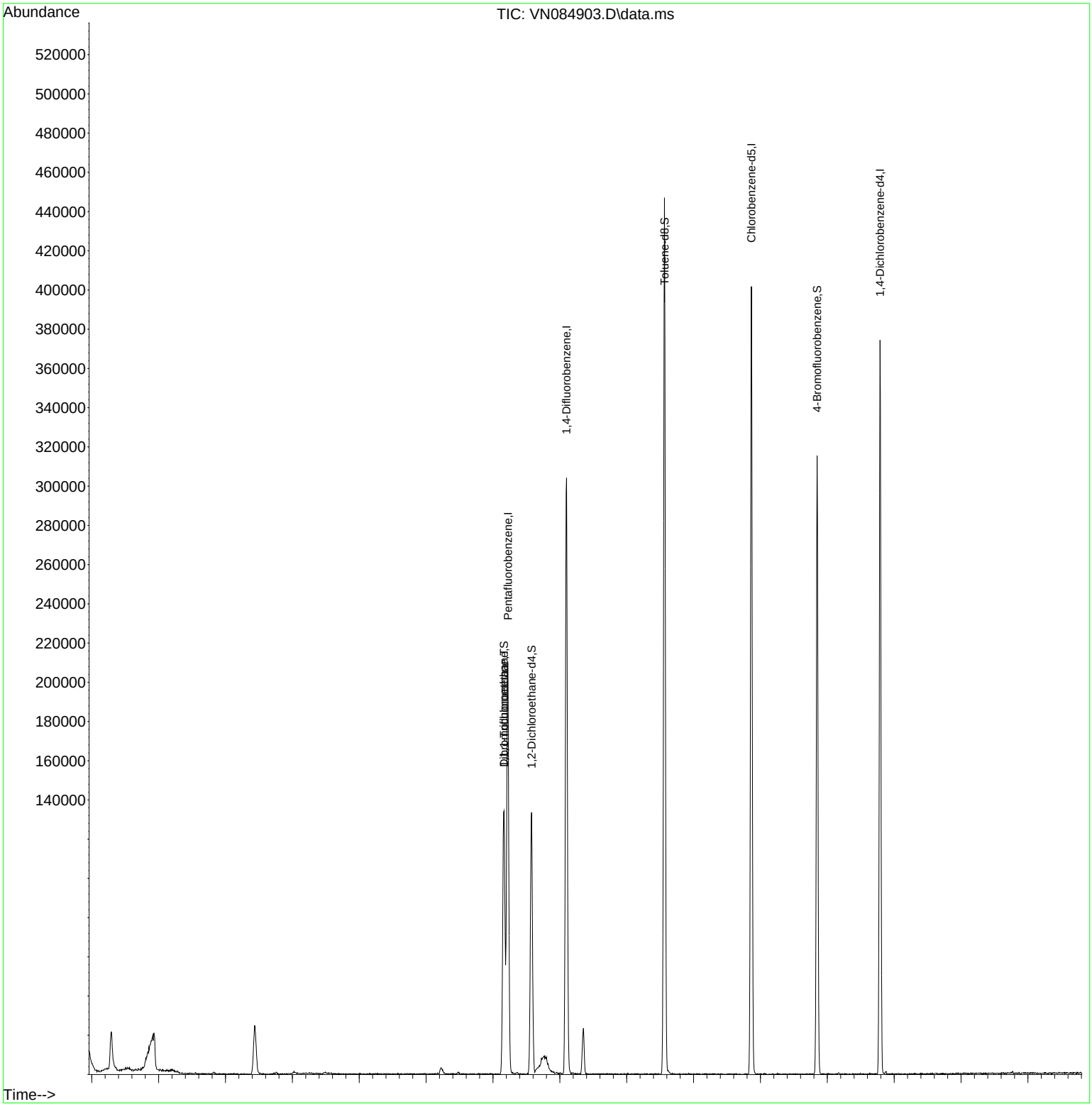
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	153393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	262761	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	229735	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	101267	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	109706	49.517	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.040%			
35) Dibromofluoromethane	8.165	113	90712	51.003	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.000%			
50) Toluene-d8	10.565	98	302331	46.145	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.300%			
62) 4-Bromofluorobenzene	12.847	95	108981	44.508	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.020%			
Target Compounds						Qvalue
32) 1,1,1-Trichloroethane	8.165	97	12438	3.973	ug/l	90
44) Trichloroethene	9.347	130	9106	4.984	ug/l	95

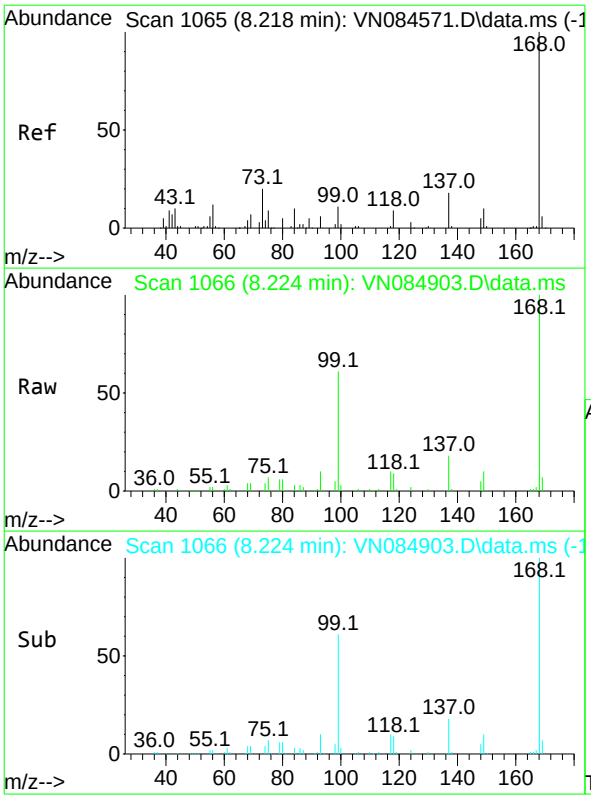
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084903.D
Acq On : 17 Nov 2024 18:25
Operator : JC\MD
Sample : P4845-18
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-FD-2-20241111

Quant Time: Nov 18 03:20:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



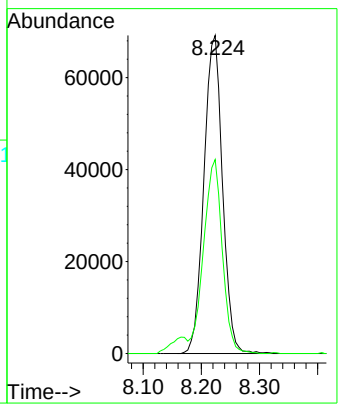


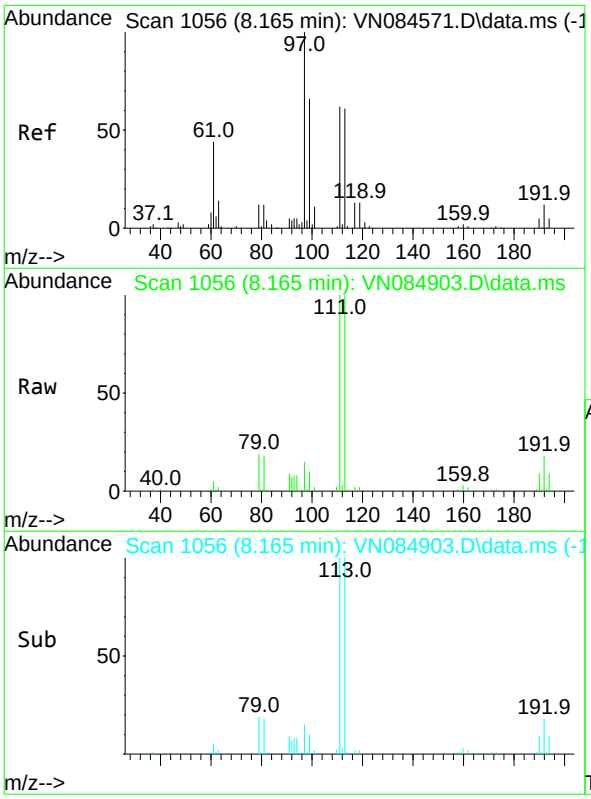
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084903.D
Acq: 17 Nov 2024 18:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-FD-2-20241111

Tgt Ion:168 Resp: 153393

Ion	Ratio	Lower	Upper
168	100		
99	60.7	54.2	81.2

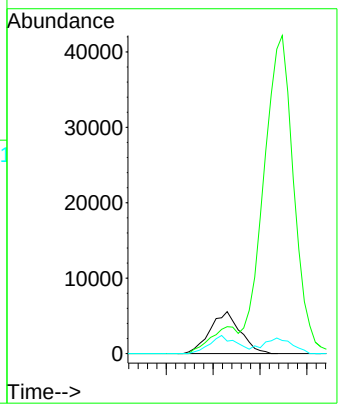


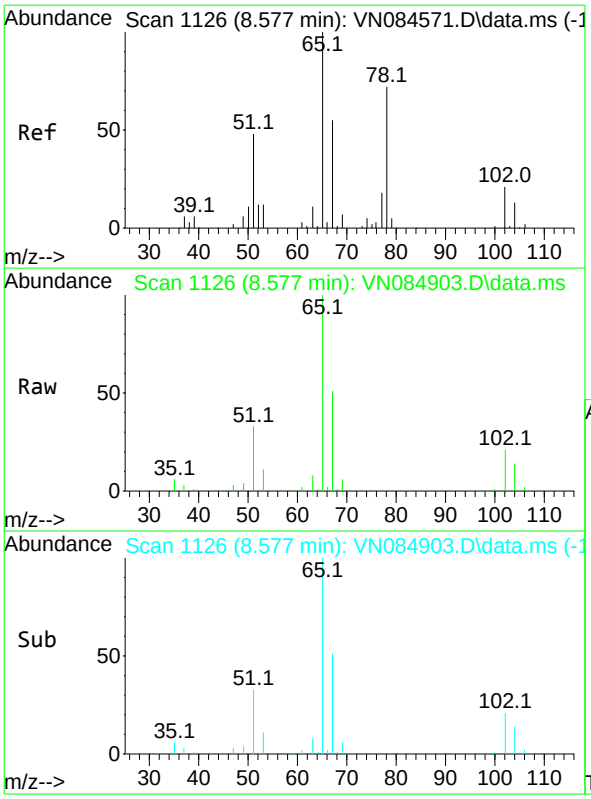


#32
1,1,1-Trichloroethane
Concen: 3.973 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084903.D
Acq: 17 Nov 2024 18:25

Tgt Ion: 97 Resp: 12438

Ion	Ratio	Lower	Upper
97	100		
99	58.3	51.2	76.8
61	38.5	37.5	56.3



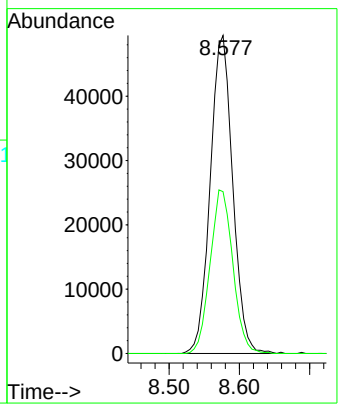


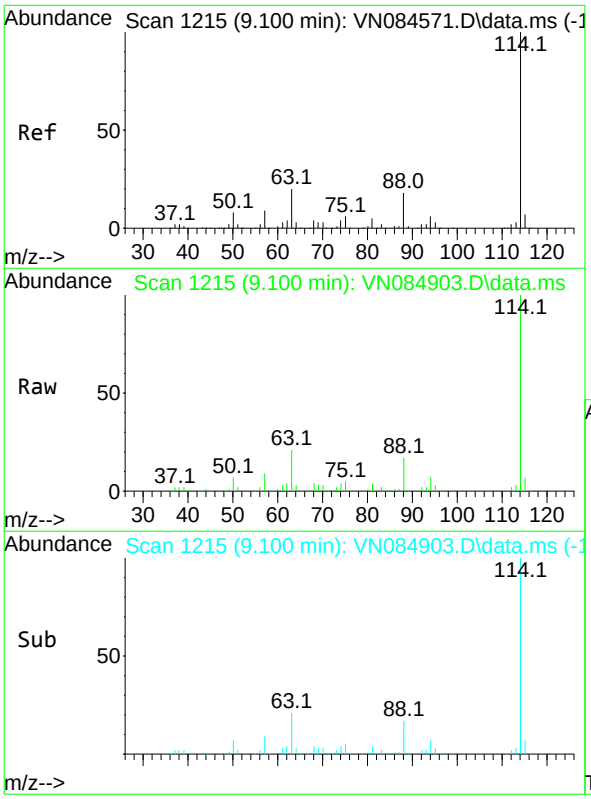
#33
1,2-Dichloroethane-d4
Concen: 49.517 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084903.D
Acq: 17 Nov 2024 18:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-FD-2-20241111

Tgt Ion: 65 Resp: 109706

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	102.0

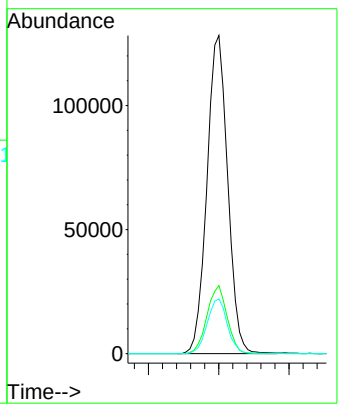


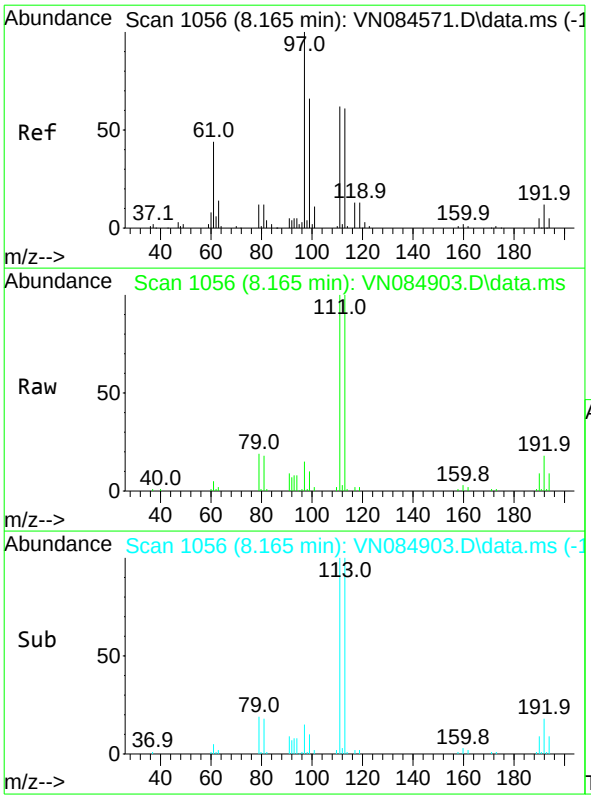


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084903.D
Acq: 17 Nov 2024 18:25

Tgt Ion:114 Resp: 262761

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.8
88	17.2	0.0	31.6



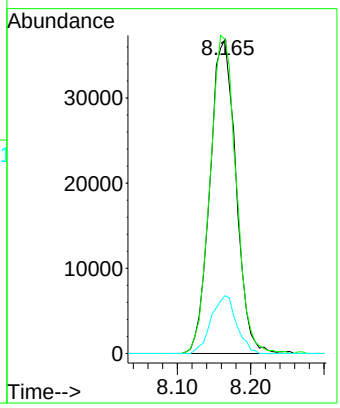


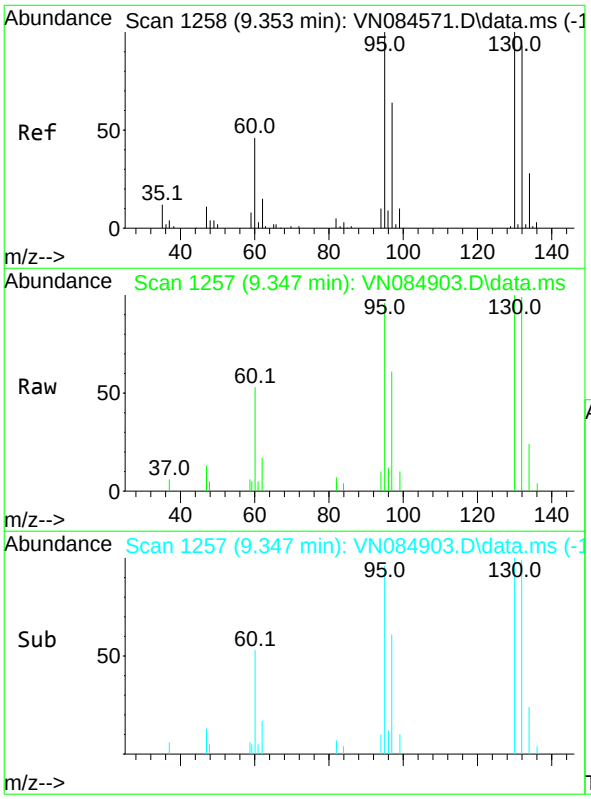
#35
Dibromofluoromethane
Concen: 51.003 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084903.D
Acq: 17 Nov 2024 18:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-FD-2-20241111

Tgt Ion:113 Resp: 90712

Ion	Ratio	Lower	Upper
113	100		
111	101.4	83.3	124.9
192	17.9	13.5	20.3

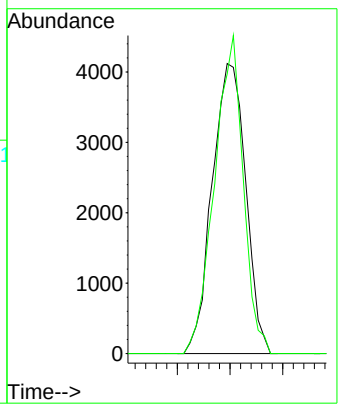


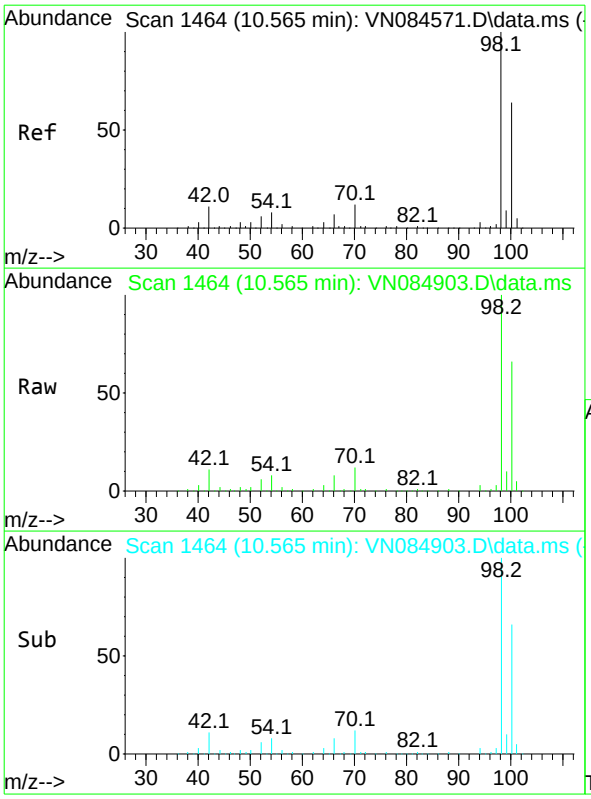


#44
Trichloroethene
Concen: 4.984 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084903.D
Acq: 17 Nov 2024 18:25

Tgt Ion:130 Resp: 9106

Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	203.0



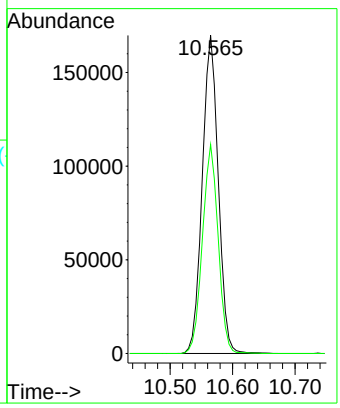


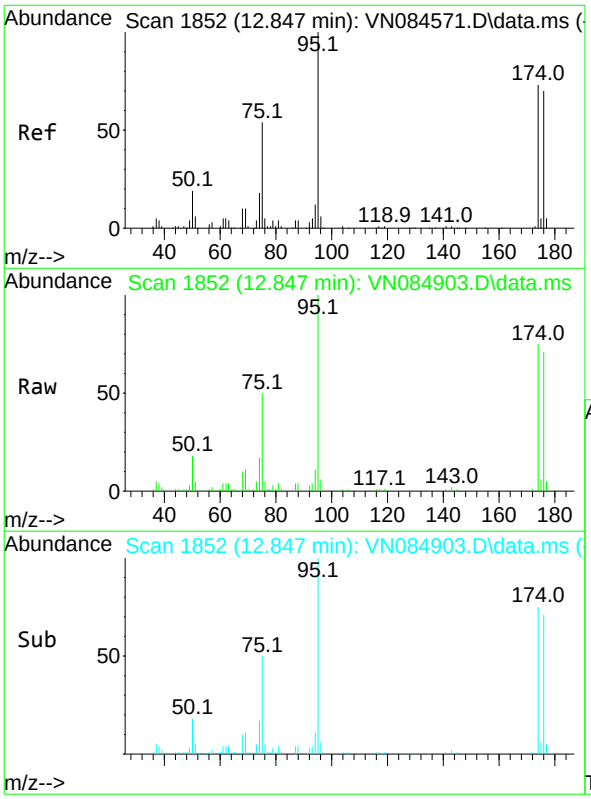
#50
Toluene-d8
Concen: 46.145 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084903.D
Acq: 17 Nov 2024 18:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-FD-2-20241111

Tgt Ion: 98 Resp: 302331

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.7	79.1

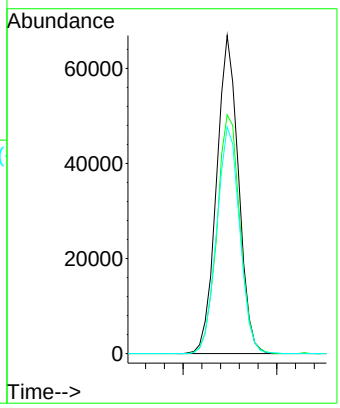


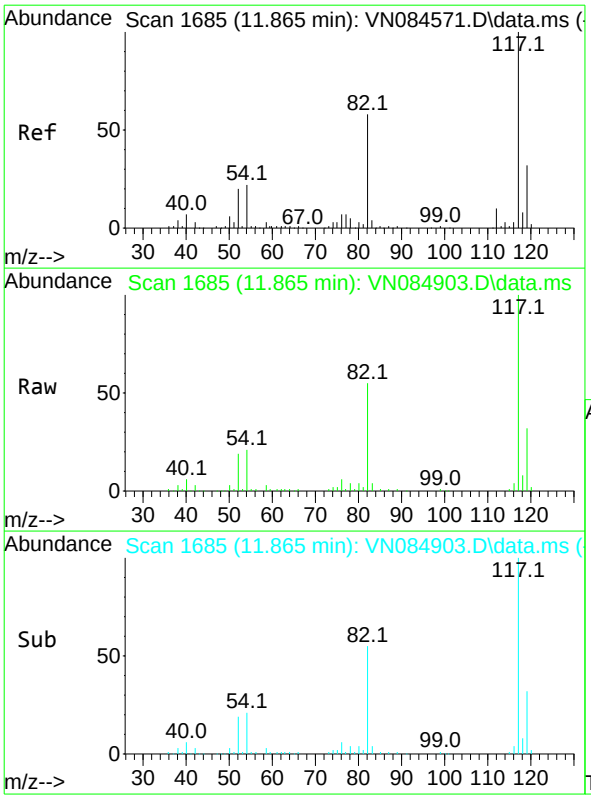


#62
4-Bromofluorobenzene
Concen: 44.508 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084903.D
Acq: 17 Nov 2024 18:25

Tgt Ion: 95 Resp: 108981

Ion	Ratio	Lower	Upper
95	100		
174	78.4	0.0	145.2
176	74.6	0.0	140.0



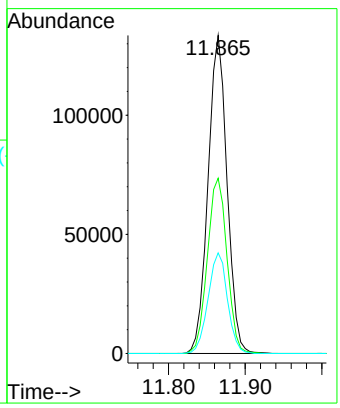


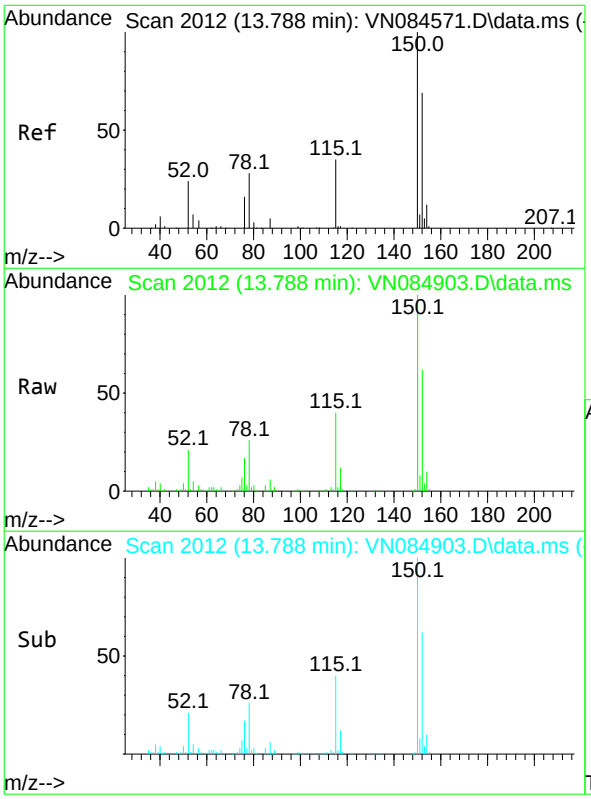
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084903.D
Acq: 17 Nov 2024 18:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-FD-2-20241111

Tgt Ion:117 Resp: 229735

Ion	Ratio	Lower	Upper
117	100		
82	55.1	47.2	70.8
119	31.6	25.4	38.0

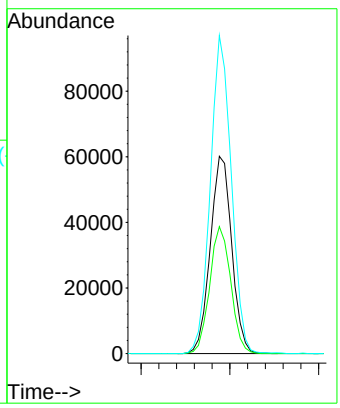




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084903.D
Acq: 17 Nov 2024 18:25

Tgt Ion:152 Resp: 101267

Ion	Ratio	Lower	Upper
152	100		
115	62.9	31.3	93.9
150	157.2	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084903.D
Acq On : 17 Nov 2024 18:25
Operator : JC\MD
Sample : P4845-18
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-FD-2-20241111

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084903.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.295	51	58	68	rBV2	18723	45636	5.72%	0.985%
2	2.842	140	151	152	rBV5	8133	20857	2.62%	0.450%
3	2.912	152	163	164	rVV5	16856	56820	7.13%	1.226%
4	2.930	164	166	174	rVB4	18553	30101	3.78%	0.650%
5	4.436	411	422	434	rBV	24879	69610	8.73%	1.502%
6	7.224	891	896	907	rVB2	3271	8923	1.12%	0.193%
7	8.165	1046	1056	1060	rBV3	134408	327980	41.14%	7.078%
8	8.224	1060	1066	1077	rVB	208922	469821	58.93%	10.139%
9	8.577	1117	1126	1134	rBV	133425	294961	37.00%	6.366%
10	9.100	1206	1215	1226	rVB	303838	617122	77.41%	13.318%
11	9.353	1251	1258	1264	rVB3	23387	45899	5.76%	0.991%
12	10.565	1453	1464	1472	rBV	447061	797195	100.00%	17.204%
13	11.865	1677	1685	1697	rVB	401581	704362	88.36%	15.201%
14	12.847	1843	1852	1862	rVB	315275	528715	66.32%	11.410%
15	13.788	2005	2012	2020	rBV	374284	615644	77.23%	13.286%

Sum of corrected areas: 4633646

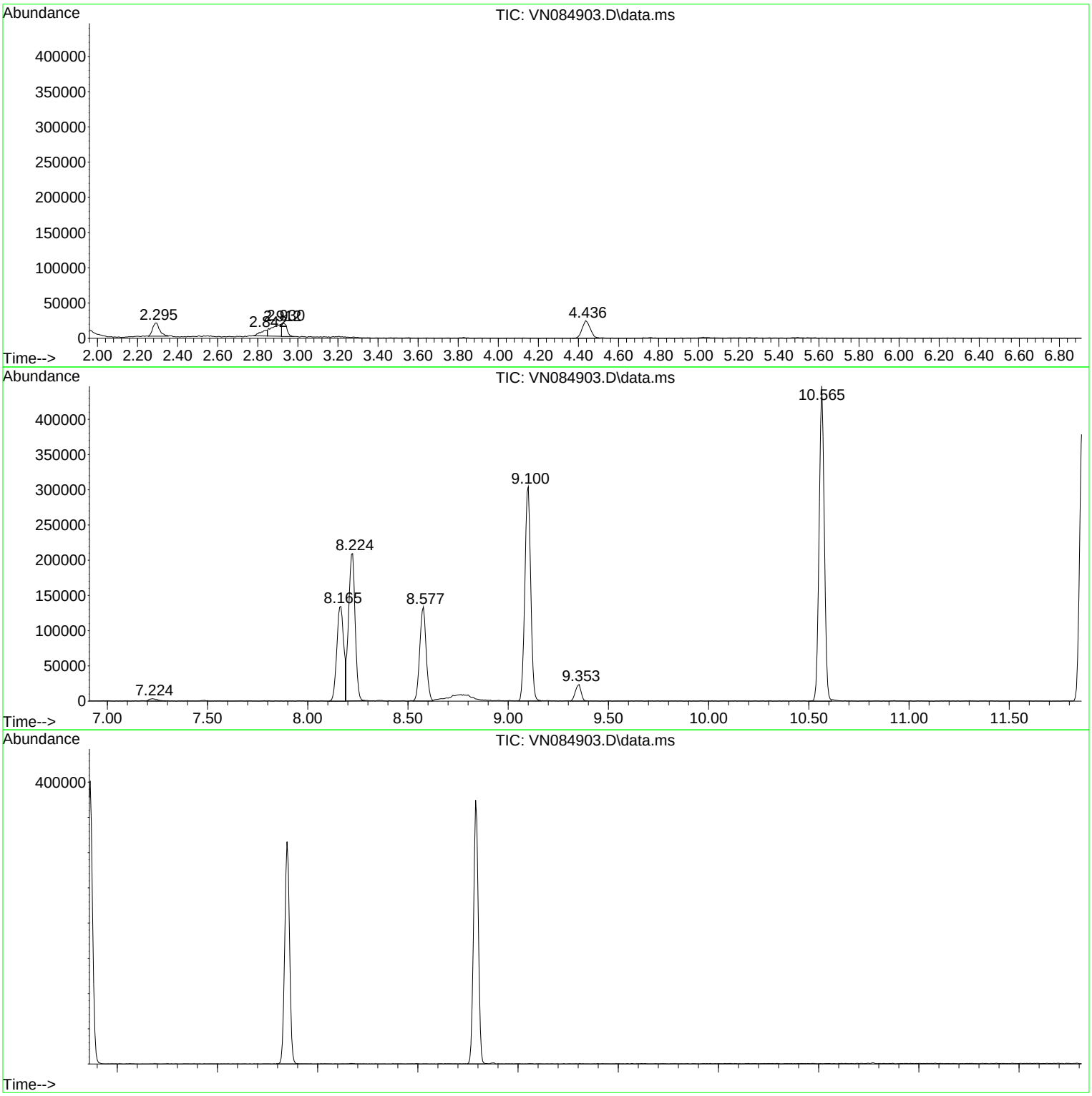
Sample Results: **VN084903.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084903.D
Acq On : 17 Nov 2024 18:25
Operator : JC\MD
Sample : P4845-18
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-FD-2-20241111

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084903.D
Acq On : 17 Nov 2024 18:25
Operator : JC\MD
Sample : P4845-18
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-FD-2-20241111

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

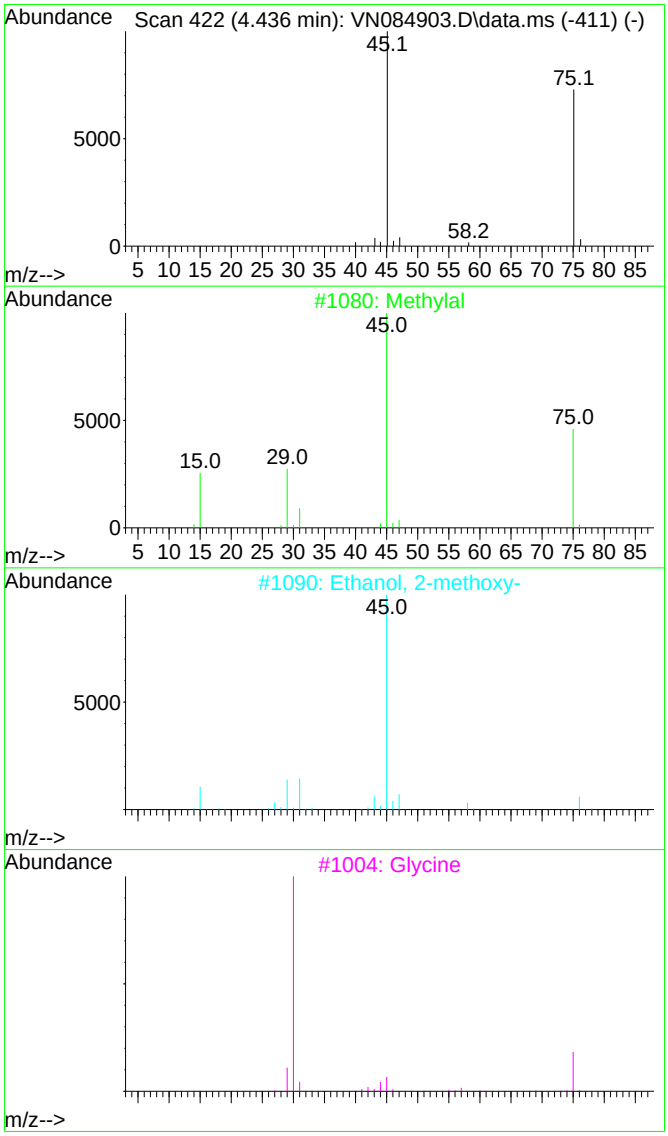
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

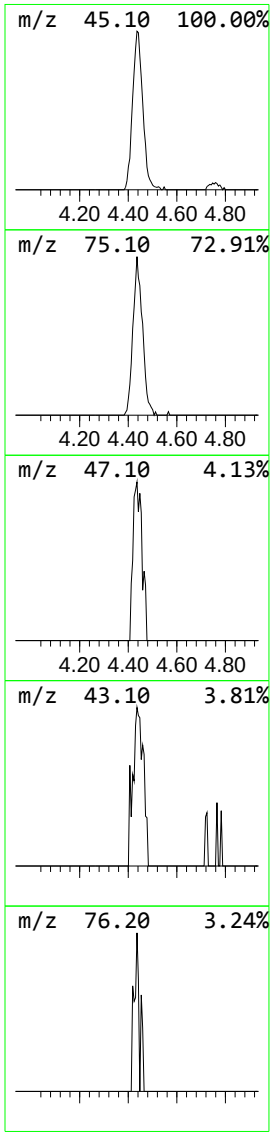
****

Peak Number 2 Methylal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.436	7.41 ug/l	69610	Pentafluorobenzene	8.224

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylal	76	C3H8O2	000109-87-5	83
2	Ethanol, 2-methoxy-	76	C3H8O2	000109-86-4	9
3	Glycine	75	C2H5NO2	000056-40-6	4
4	(S)-(+)-1,2-Propanediol	76	C3H8O2	004254-15-3	4
5	Methanamine, N,N-dimethyl-, N-oxide	75	C3H9NO	001184-78-7	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084903.D
Acq On : 17 Nov 2024 18:25
Operator : JC\MD
Sample : P4845-18
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-FD-2-20241111

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Methylal	4.436	7.4	ug/l	69610	1	8.224	469821	50.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/11/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-GEP-2-20241111	SDG No.:	P4845
Lab Sample ID:	P4845-19	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084904.D	1		11/17/24 18:49	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.41	J	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.31	J	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	12.1		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	190	E	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/11/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-GEP-2-20241111	SDG No.:	P4845
Lab Sample ID:	P4845-19	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084904.D	1		11/17/24 18:49	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	4.70		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.7		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	47.9		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.1		85 - 114		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	153000	8.218				
540-36-3	1,4-Difluorobenzene	262000	9.1				
3114-55-4	Chlorobenzene-d5	238000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	110000	13.788				

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/11/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-GEP-2-20241111	SDG No.:	P4845
Lab Sample ID:	P4845-19	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084904.D	1		11/17/24 18:49	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084904.D
Acq On : 17 Nov 2024 18:49
Operator : JC\MD
Sample : P4845-19
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-2-20241111

Quant Time: Nov 18 00:25:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

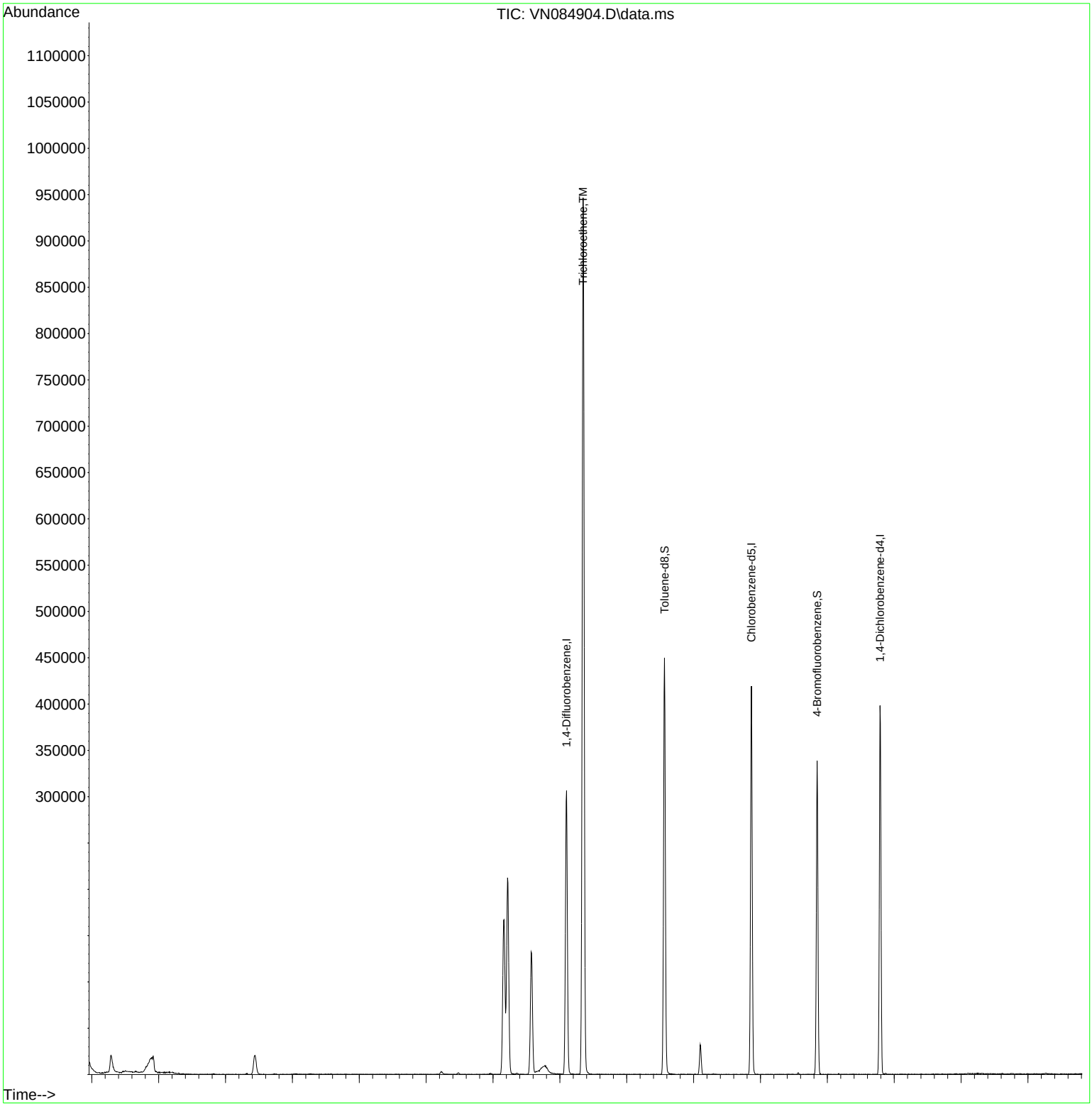
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	153449	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	261859	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	237602	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110127	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	112346	50.690	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.380%			
35) Dibromofluoromethane	8.159	113	90371	50.986	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.980%			
50) Toluene-d8	10.565	98	313048	47.946	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.900%			
62) 4-Bromofluorobenzene	12.847	95	117421	48.120	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.240%			
Target Compounds						Qvalue
27) cis-1,2-Dichloroethene	7.483	96	854	0.408	ug/l	75
30) Chloroform	7.965	83	1076	0.313	ug/l	96
32) 1,1,1-Trichloroethane	8.159	97	38022	12.140	ug/l	96
44) Trichloroethene	9.347	130	341480	187.560	ug/l	100
64) Tetrachloroethene	11.100	164	7357	4.655	ug/l	96

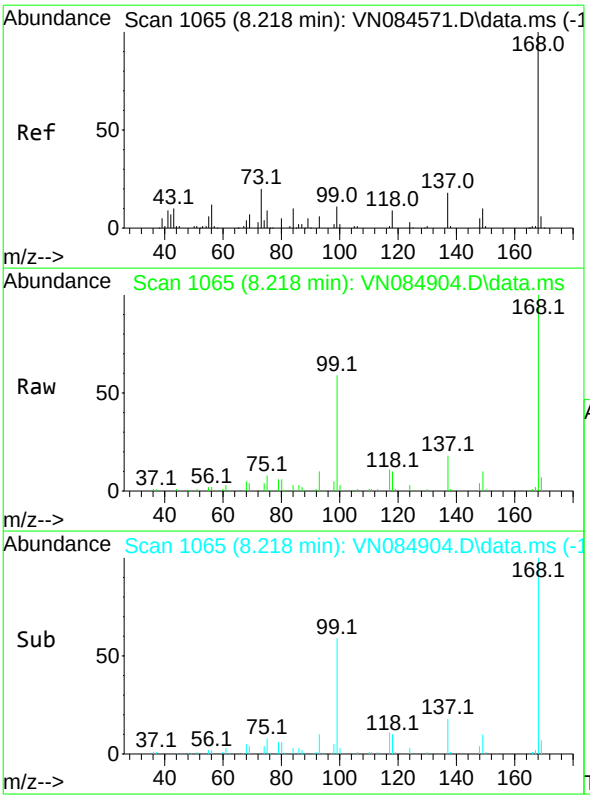
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084904.D
Acq On : 17 Nov 2024 18:49
Operator : JC\MD
Sample : P4845-19
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-2-20241111

Quant Time: Nov 18 00:25:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



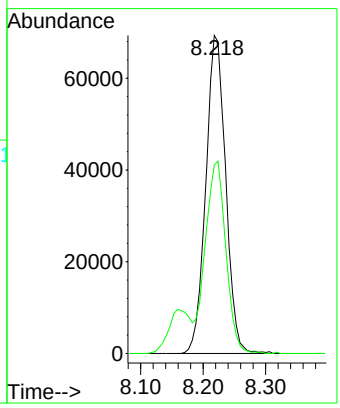


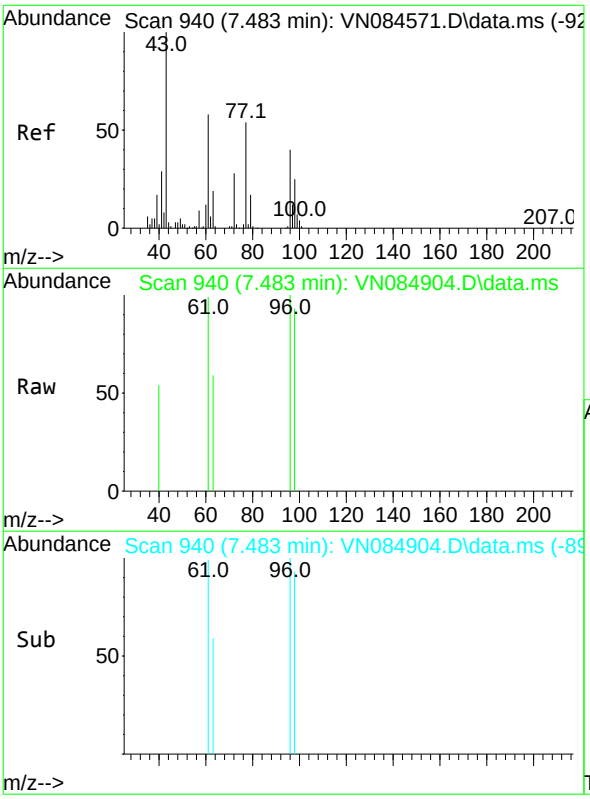
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084904.D
Acq: 17 Nov 2024 18:49

Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-2-20241111

Tgt Ion:168 Resp: 153449

Ion	Ratio	Lower	Upper
168	100		
99	58.9	54.2	81.2

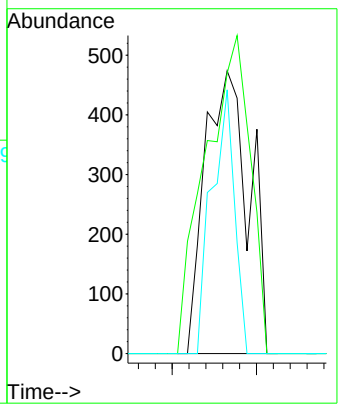


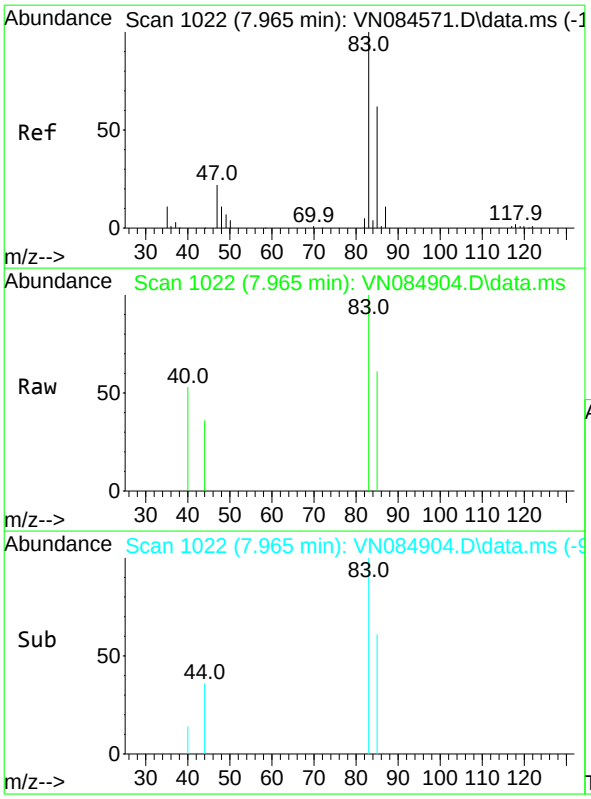


#27
cis-1,2-Dichloroethene
Concen: 0.408 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084904.D
Acq: 17 Nov 2024 18:49

Tgt Ion: 96 Resp: 854

Ion	Ratio	Lower	Upper
96	100		
61	115.3	0.0	301.8
98	48.9	0.0	128.2



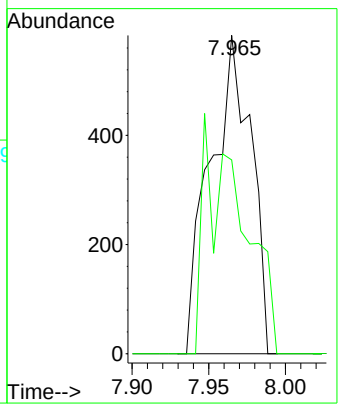


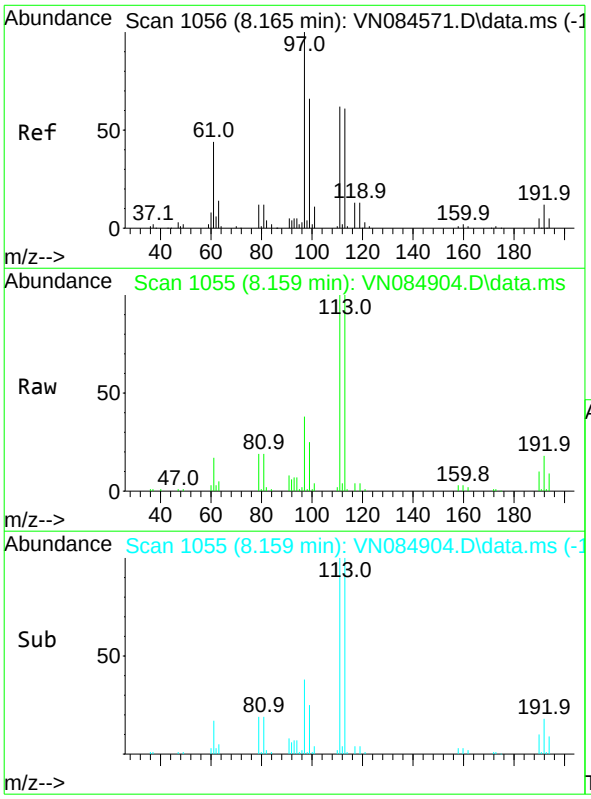
#30
Chloroform
Concen: 0.313 ug/l
RT: 7.965 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084904.D
Acq: 17 Nov 2024 18:49

Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-2-20241111

Tgt Ion: 83 Resp: 1076

Ion	Ratio	Lower	Upper
83	100		
85	60.9	51.0	76.4

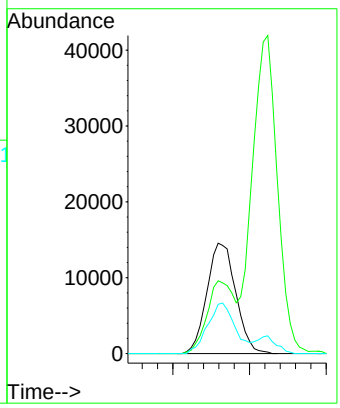


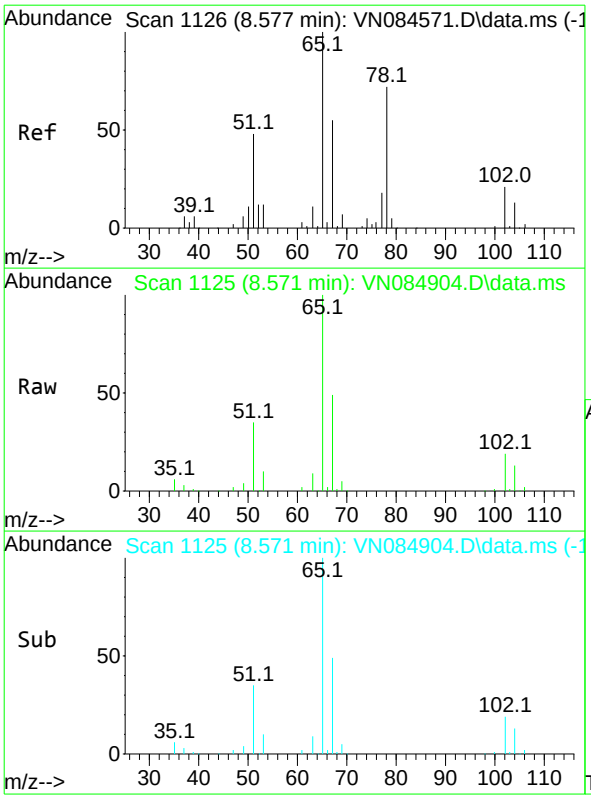


#32
1,1,1-Trichloroethane
Concen: 12.140 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.012 min
Lab File: VN084904.D
Acq: 17 Nov 2024 18:49

Tgt Ion: 97 Resp: 38022

Ion	Ratio	Lower	Upper
97	100		
99	61.0	51.2	76.8
61	43.7	37.5	56.3



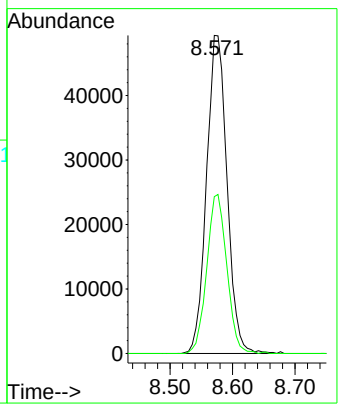


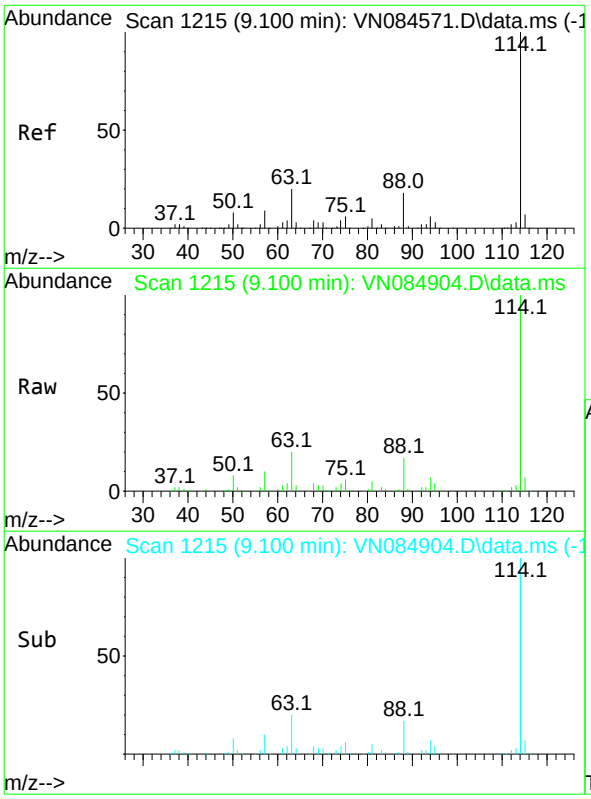
#33
1,2-Dichloroethane-d4
Concen: 50.690 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084904.D
Acq: 17 Nov 2024 18:49

Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-2-20241111

Tgt Ion: 65 Resp: 112346

Ion	Ratio	Lower	Upper
65	100		
67	48.9	0.0	102.0

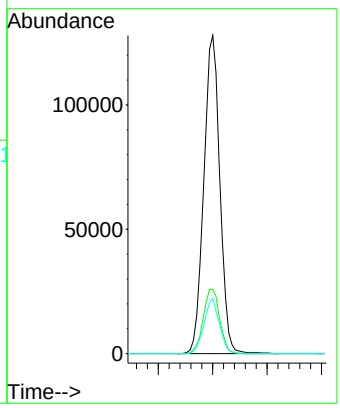


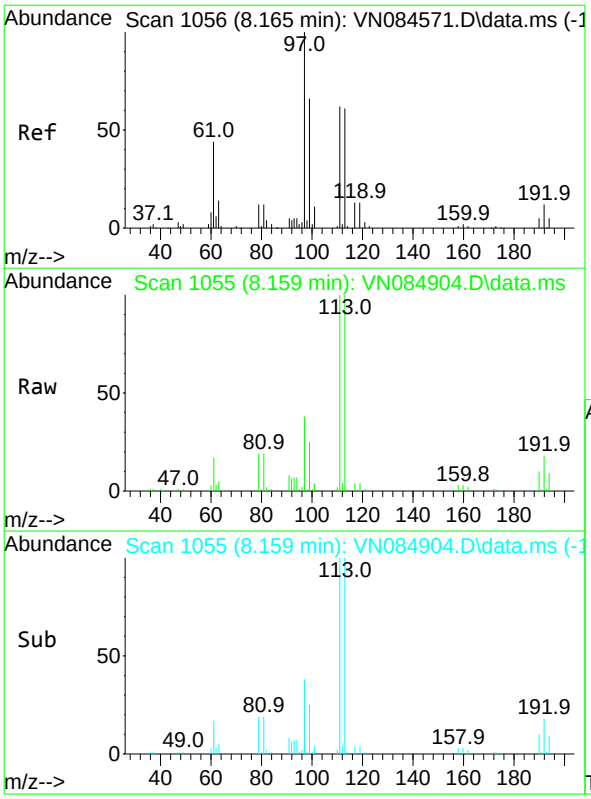


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084904.D
Acq: 17 Nov 2024 18:49

Tgt Ion:114 Resp: 261859

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	43.8
88	17.5	0.0	31.6



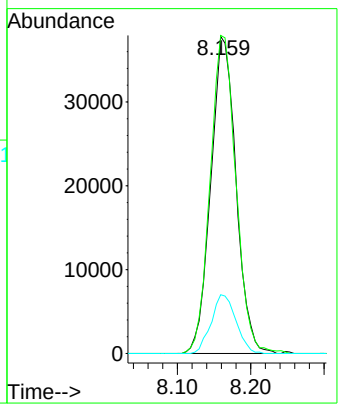


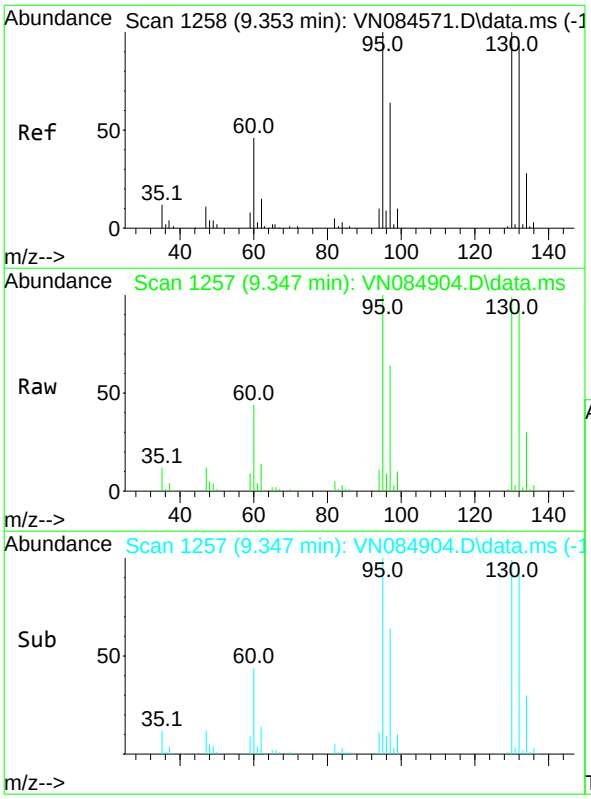
#35
Dibromofluoromethane
Concen: 50.986 ug/l
RT: 8.159 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084904.D
Acq: 17 Nov 2024 18:49

Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-2-20241111

Tgt Ion:113 Resp: 90371

Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.3	124.9
192	18.2	13.5	20.3

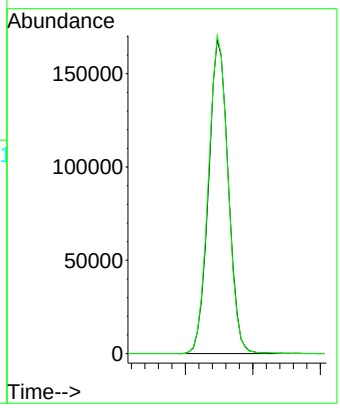


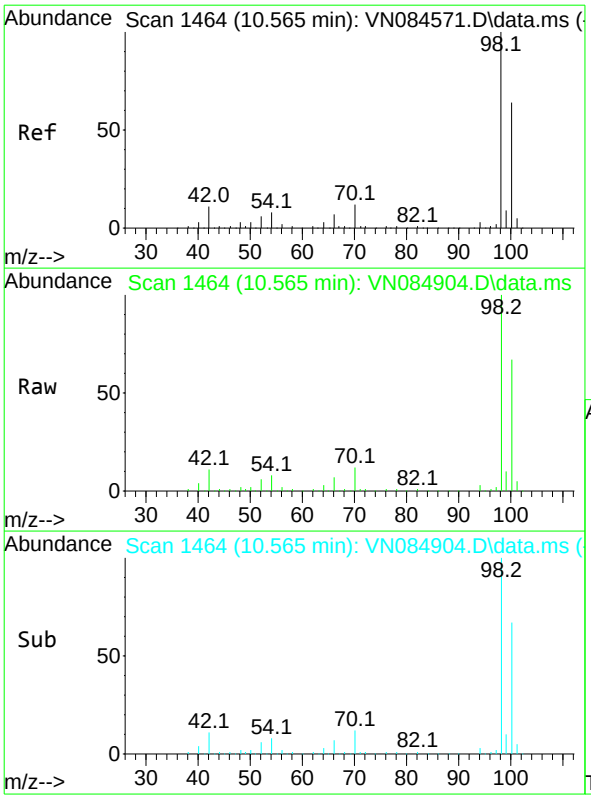


#44
Trichloroethene
Concen: 187.560 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084904.D
Acq: 17 Nov 2024 18:49

Tgt Ion:130 Resp: 341480

Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	203.0



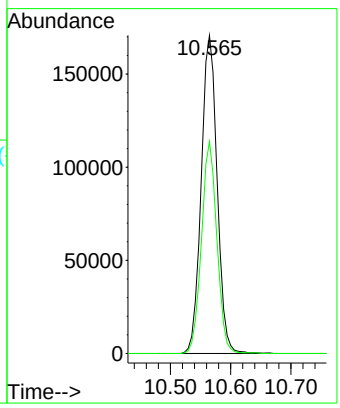


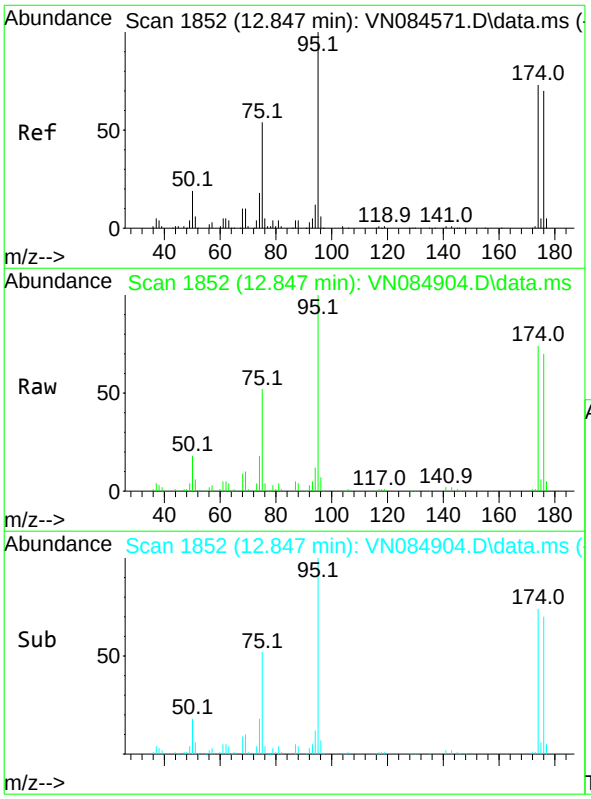
#50
Toluene-d8
Concen: 47.946 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084904.D
Acq: 17 Nov 2024 18:49

Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-2-20241111

Tgt Ion: 98 Resp: 313048

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.7	79.1

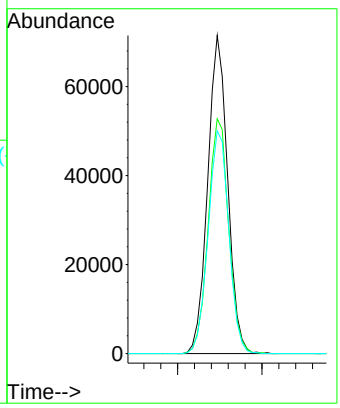


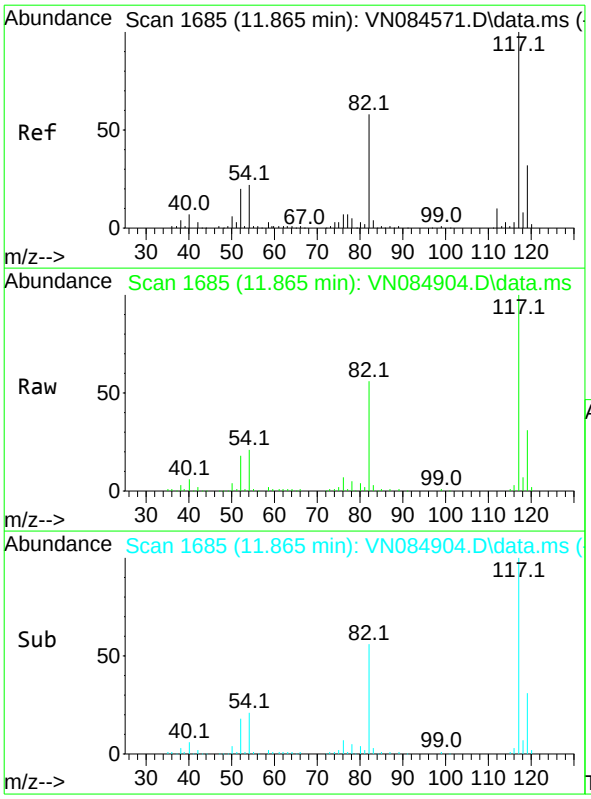


#62
4-Bromofluorobenzene
Concen: 48.120 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084904.D
Acq: 17 Nov 2024 18:49

Tgt Ion: 95 Resp: 117421

Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	145.2
176	72.4	0.0	140.0



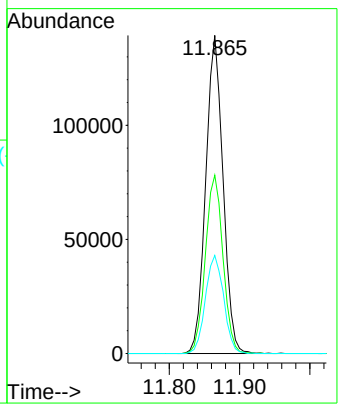


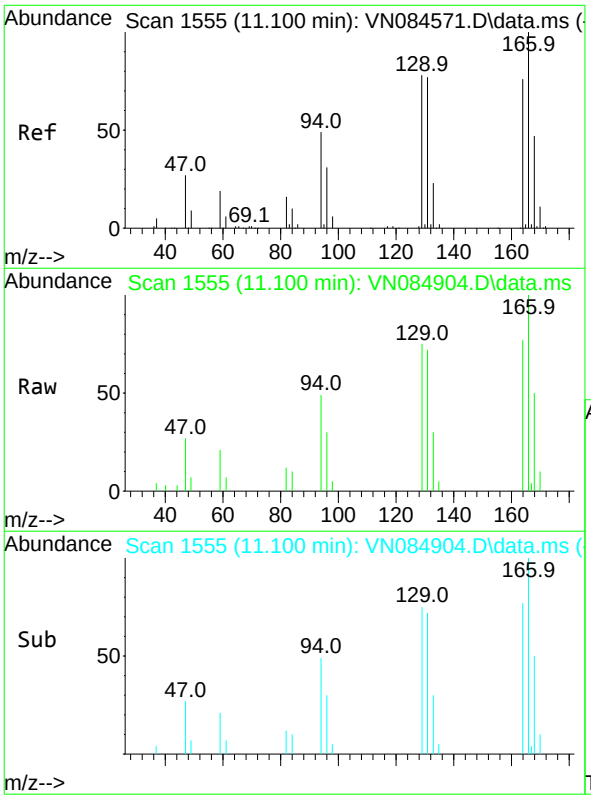
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084904.D
Acq: 17 Nov 2024 18:49

Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-2-20241111

Tgt Ion:117 Resp: 237602

Ion	Ratio	Lower	Upper
117	100		
82	56.0	47.2	70.8
119	30.8	25.4	38.0

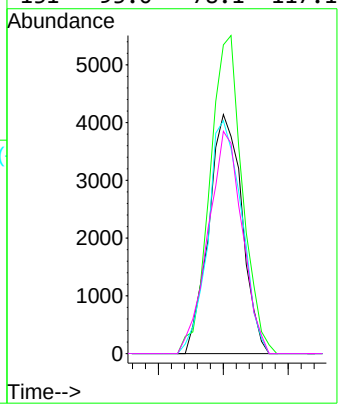


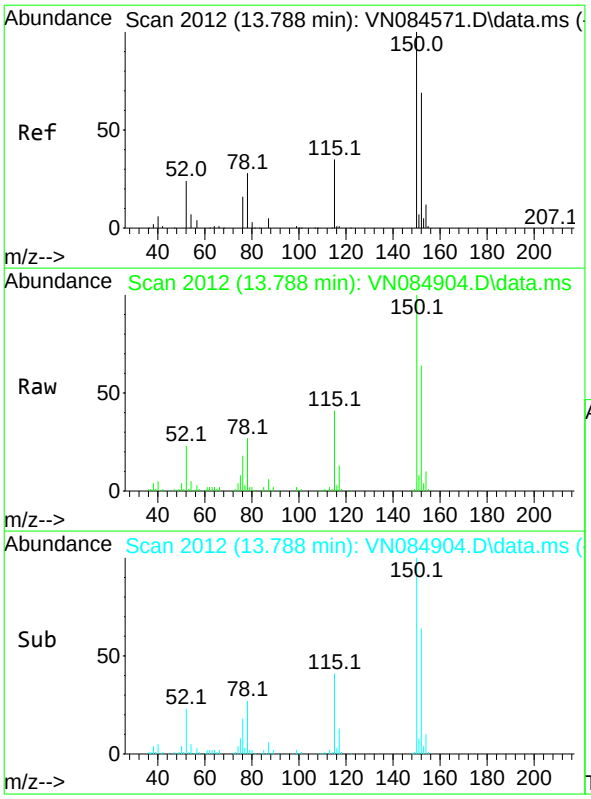


#64
Tetrachloroethene
Concen: 4.655 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084904.D
Acq: 17 Nov 2024 18:49

Tgt Ion:164 Resp: 7357

Ion	Ratio	Lower	Upper
164	100		
166	129.1	101.0	151.4
129	97.4	80.8	121.2
131	93.0	78.1	117.1



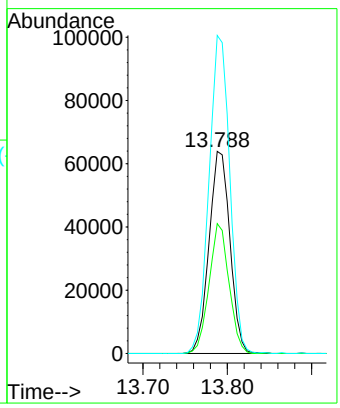


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084904.D
Acq: 17 Nov 2024 18:49

Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-2-20241111

Tgt Ion:152 Resp: 110127

Ion	Ratio	Lower	Upper
152	100		
115	61.2	31.3	93.9
150	156.2	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084904.D
Acq On : 17 Nov 2024 18:49
Operator : JC\MD
Sample : P4845-19
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-2-20241111

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084904.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.289	51	57	71	rBV2	18060	46716	2.43%	0.696%
2	2.895	149	160	162	rBV8	11452	37180	1.94%	0.554%
3	2.918	162	164	170	rVB3	16827	23497	1.22%	0.350%
4	4.442	411	423	432	rBV	20787	61760	3.21%	0.920%
5	8.165	1046	1056	1060	rBV	167058	403700	21.01%	6.011%
6	8.218	1060	1065	1075	rVB	211527	474582	24.70%	7.067%
7	8.571	1117	1125	1135	rBV	132118	294319	15.32%	4.383%
8	9.100	1203	1215	1227	rBV	306055	618260	32.18%	9.206%
9	9.347	1248	1257	1274	rBV	946304	1921370	100.00%	28.611%
10	10.565	1456	1464	1476	rBV	449705	823678	42.87%	12.265%
11	11.100	1548	1555	1563	rBB2	32198	56476	2.94%	0.841%
12	11.865	1676	1685	1697	rBB	419371	729645	37.98%	10.865%
13	12.847	1845	1852	1861	rVB	338568	558987	29.09%	8.324%
14	13.788	2005	2012	2021	rBV	398201	665391	34.63%	9.908%

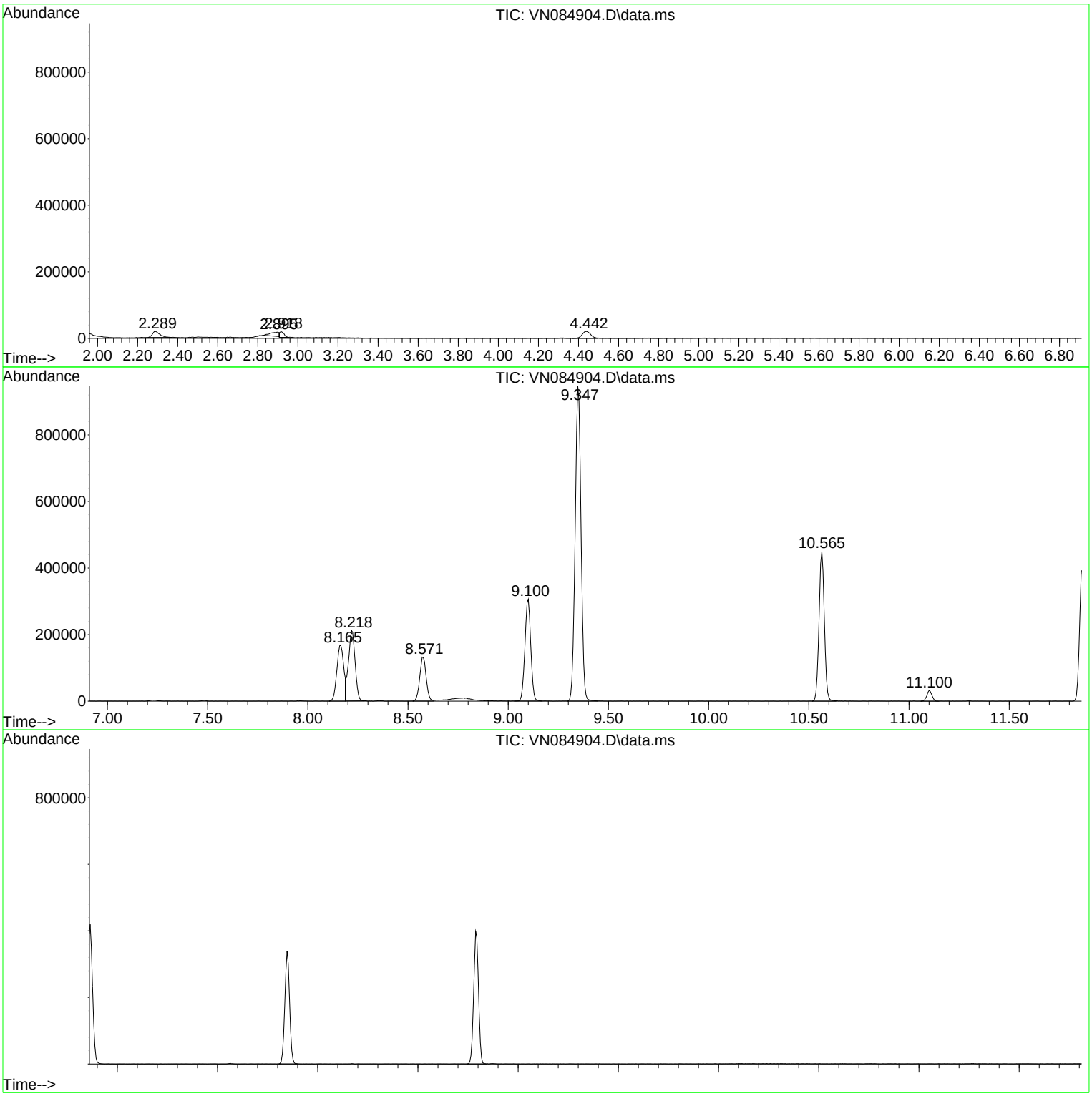
Sum of corrected areas: 6715561

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084904.D
Acq On : 17 Nov 2024 18:49
Operator : JC\MD
Sample : P4845-19
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-2-20241111

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084904.D
Acq On : 17 Nov 2024 18:49
Operator : JC\MD
Sample : P4845-19
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-2-20241111

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084904.D
Acq On : 17 Nov 2024 18:49
Operator : JC\MD
Sample : P4845-19
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-2-20241111

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/11/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-GEP-2-20241111DL	SDG No.:	P4845
Lab Sample ID:	P4845-19DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084945.D	5		11/19/24 14:29	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.50	UD	1.10	2.50	5.00	ug/L
74-87-3	Chloromethane	2.50	UD	1.80	2.50	5.00	ug/L
75-01-4	Vinyl Chloride	3.80	UD	1.70	3.80	5.00	ug/L
74-83-9	Bromomethane	18.8	UD	6.80	18.8	25.0	ug/L
75-00-3	Chloroethane	3.80	UD	2.80	3.80	5.00	ug/L
75-69-4	Trichlorofluoromethane	2.50	UD	1.70	2.50	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	UD	1.30	2.50	5.00	ug/L
75-35-4	1,1-Dichloroethene	3.80	UD	1.30	3.80	5.00	ug/L
67-64-1	Acetone	18.8	UD	7.00	18.8	25.0	ug/L
75-15-0	Carbon Disulfide	3.80	UD	1.60	3.80	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	2.50	UD	0.80	2.50	5.00	ug/L
79-20-9	Methyl Acetate	3.80	UD	3.00	3.80	5.00	ug/L
75-09-2	Methylene Chloride	2.50	UD	1.60	2.50	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	2.50	UD	1.30	2.50	5.00	ug/L
75-34-3	1,1-Dichloroethane	2.50	UD	1.20	2.50	5.00	ug/L
110-82-7	Cyclohexane	12.5	UD	8.10	12.5	25.0	ug/L
78-93-3	2-Butanone	12.5	UD	6.50	12.5	25.0	ug/L
56-23-5	Carbon Tetrachloride	2.50	UD	1.30	2.50	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	3.80	UD	1.30	3.80	5.00	ug/L
74-97-5	Bromochloromethane	2.50	UD	0.90	2.50	5.00	ug/L
67-66-3	Chloroform	2.50	UD	1.30	2.50	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	2.50	UD	0.95	2.50	5.00	ug/L
108-87-2	Methylcyclohexane	2.50	UD	0.95	2.50	5.00	ug/L
71-43-2	Benzene	2.50	UD	0.80	2.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	2.50	UD	1.20	2.50	5.00	ug/L
79-01-6	Trichloroethene	170	D	1.60	3.80	5.00	ug/L
78-87-5	1,2-Dichloropropane	2.50	UD	0.95	2.50	5.00	ug/L
75-27-4	Bromodichloromethane	2.50	UD	1.20	2.50	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	12.5	UD	3.80	12.5	25.0	ug/L
108-88-3	Toluene	2.50	UD	0.90	2.50	5.00	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/11/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-GEP-2-20241111DL	SDG No.:	P4845
Lab Sample ID:	P4845-19DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084945.D	5		11/19/24 14:29	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	2.50	UD	1.10	2.50	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	2.50	UD	0.90	2.50	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	2.50	UD	1.10	2.50	5.00	ug/L
591-78-6	2-Hexanone	12.5	UD	5.70	12.5	25.0	ug/L
124-48-1	Dibromochloromethane	2.50	UD	0.90	2.50	5.00	ug/L
106-93-4	1,2-Dibromoethane	2.50	UD	0.80	2.50	5.00	ug/L
127-18-4	Tetrachloroethene	4.60	JD	1.30	2.50	5.00	ug/L
108-90-7	Chlorobenzene	2.50	UD	0.65	2.50	5.00	ug/L
100-41-4	Ethyl Benzene	2.50	UD	0.80	2.50	5.00	ug/L
179601-23-1	m/p-Xylenes	5.00	UD	1.60	5.00	10.0	ug/L
95-47-6	o-Xylene	2.50	UD	0.70	2.50	5.00	ug/L
100-42-5	Styrene	2.50	UD	0.80	2.50	5.00	ug/L
75-25-2	Bromoform	2.50	UD	1.10	2.50	5.00	ug/L
98-82-8	Isopropylbenzene	2.50	UD	0.65	2.50	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.50	UD	1.40	2.50	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	2.50	UD	1.20	2.50	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	2.50	UD	1.40	2.50	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	2.50	UD	0.95	2.50	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	3.80	UD	2.30	3.80	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	2.50	UD	2.10	2.50	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	3.80	UD	2.60	3.80	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.7		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	46.5		89 - 112		93%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.5		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	179000	8.218				
540-36-3	1,4-Difluorobenzene	324000	9.1				
3114-55-4	Chlorobenzene-d5	286000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	123000	13.794				

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Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/11/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-GEP-2-20241111DL	SDG No.:	P4845
Lab Sample ID:	P4845-19DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084945.D	5		11/19/24 14:29	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084945.D
Acq On : 19 Nov 2024 14:29
Operator : JC\MD
Sample : P4845-19DL 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-2-20241111DL

Quant Time: Nov 20 00:29:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

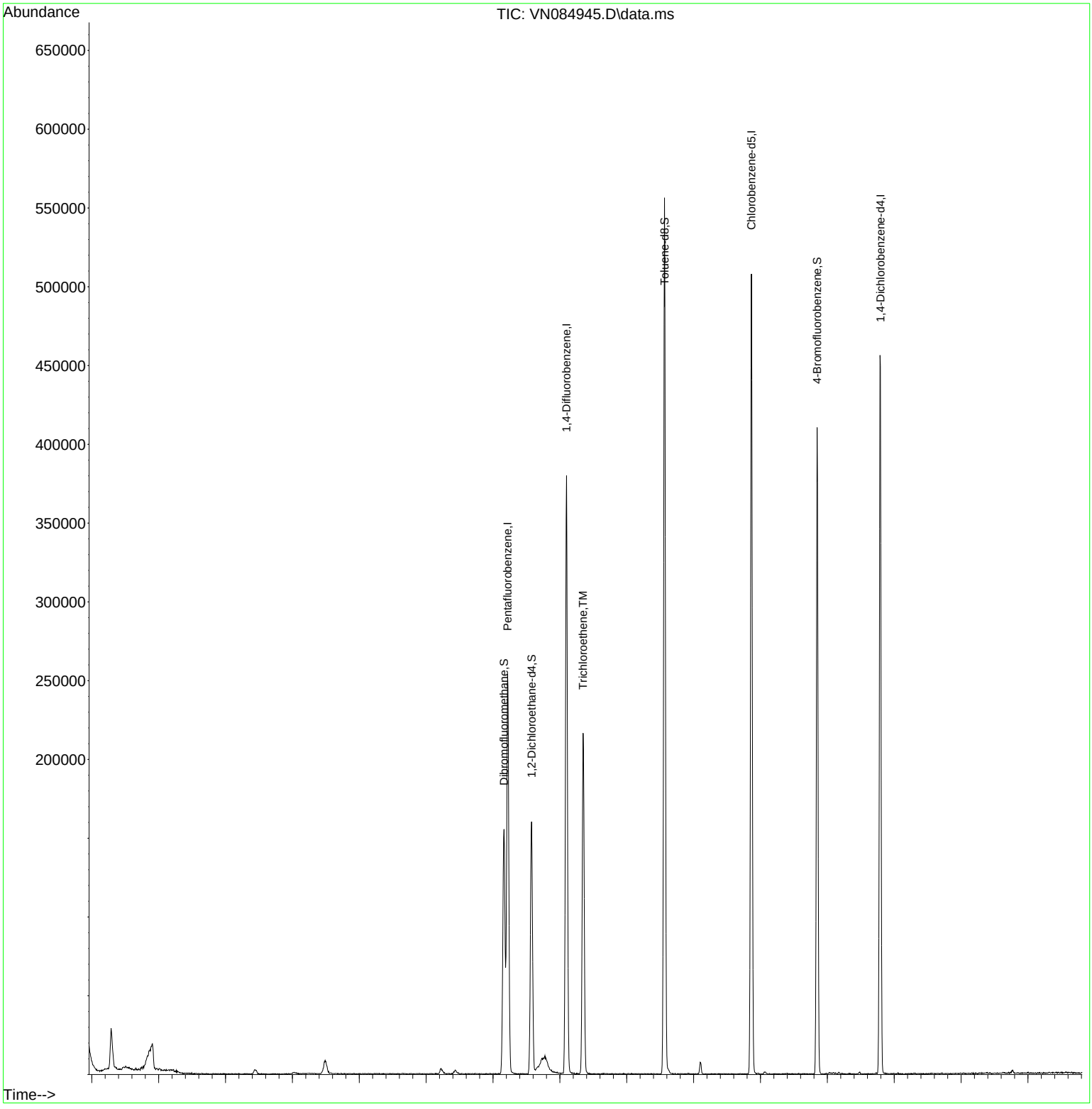
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	178600	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	324130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	285884	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	123358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	133492	51.749	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.500%			
35) Dibromofluoromethane	8.165	113	104996	47.857	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.720%			
50) Toluene-d8	10.565	98	375860	46.507	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.020%			
62) 4-Bromofluorobenzene	12.847	95	143610	47.546	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.100%			
Target Compounds						Qvalue
44) Trichloroethene	9.347	130	78042	34.630	ug/l	99
64) Tetrachloroethene	11.100	164	1733	0.911	ug/l #	81

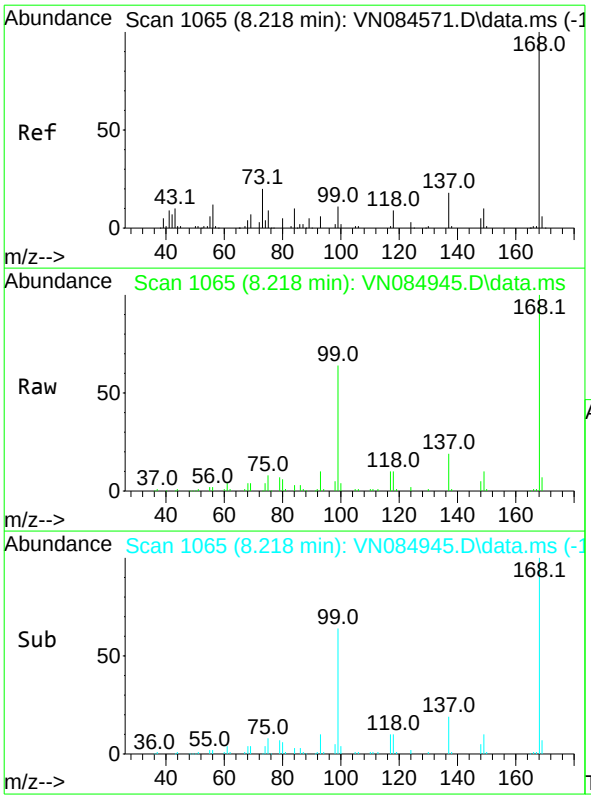
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084945.D
Acq On : 19 Nov 2024 14:29
Operator : JC\MD
Sample : P4845-19DL 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-2-20241111DL

Quant Time: Nov 20 00:29:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



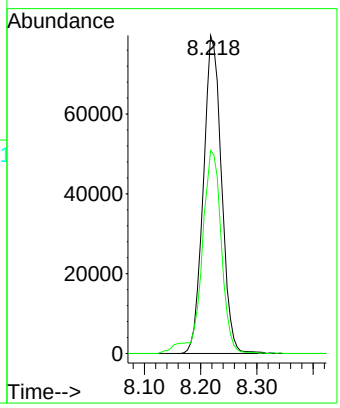


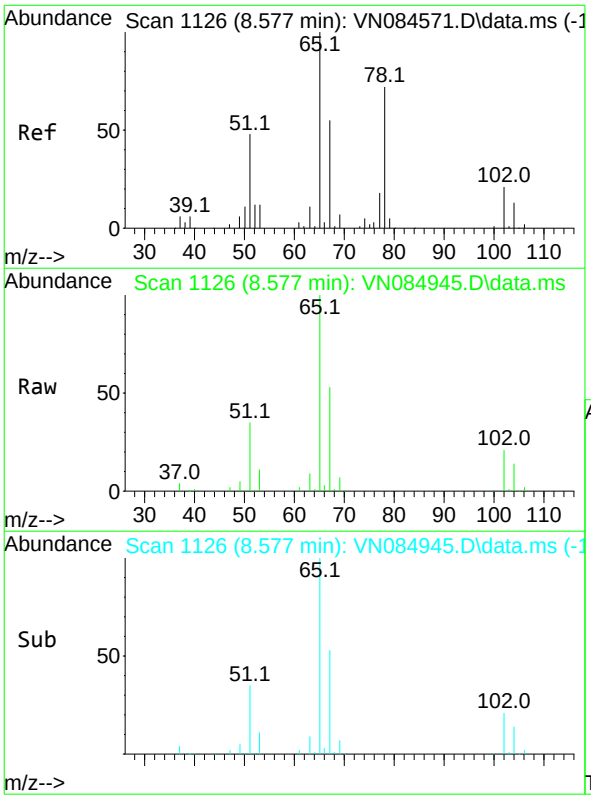
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084945.D
Acq: 19 Nov 2024 14:29

Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-2-20241111DL

Tgt Ion:168 Resp: 178600

Ion	Ratio	Lower	Upper
168	100		
99	63.8	54.2	81.2

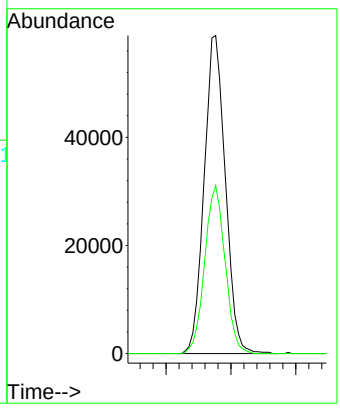


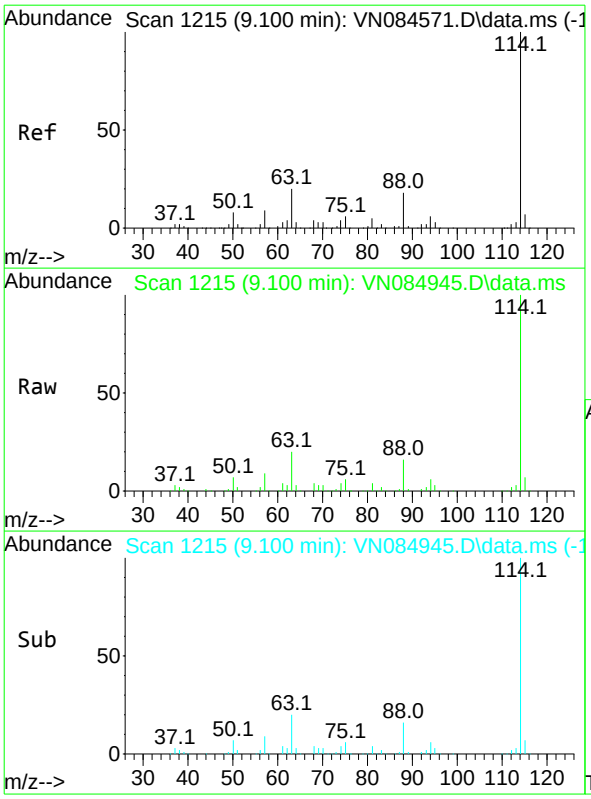


#33
1,2-Dichloroethane-d4
Concen: 51.749 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084945.D
Acq: 19 Nov 2024 14:29

Tgt Ion: 65 Resp: 133492

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	102.0



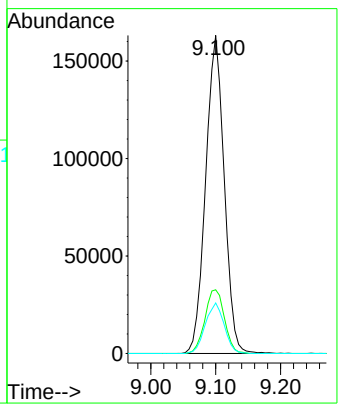


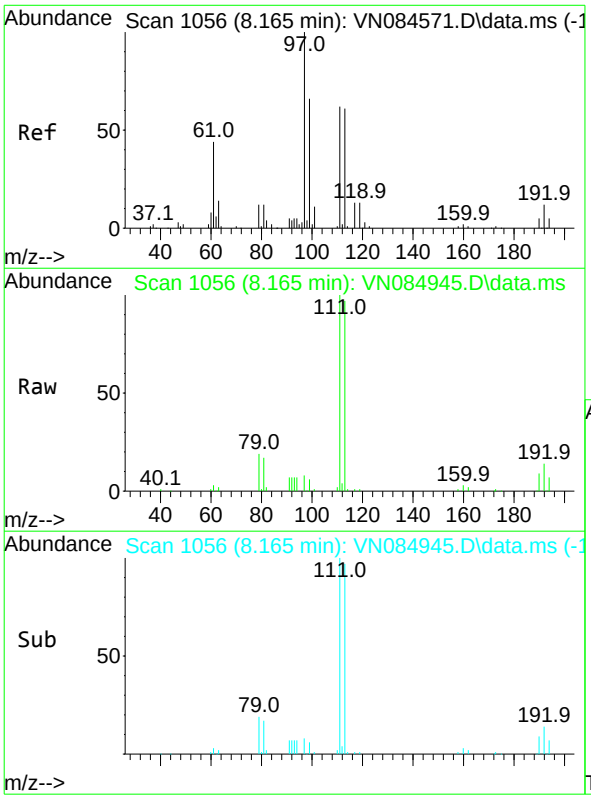
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084945.D
Acq: 19 Nov 2024 14:29

Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-2-20241111DL

Tgt Ion:114 Resp: 324130

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	43.8
88	15.9	0.0	31.6

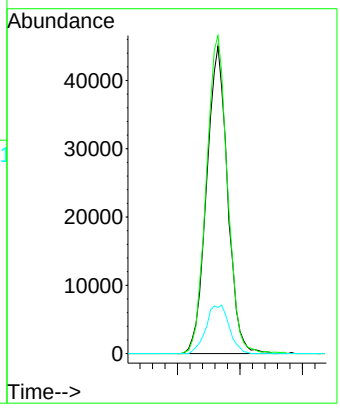


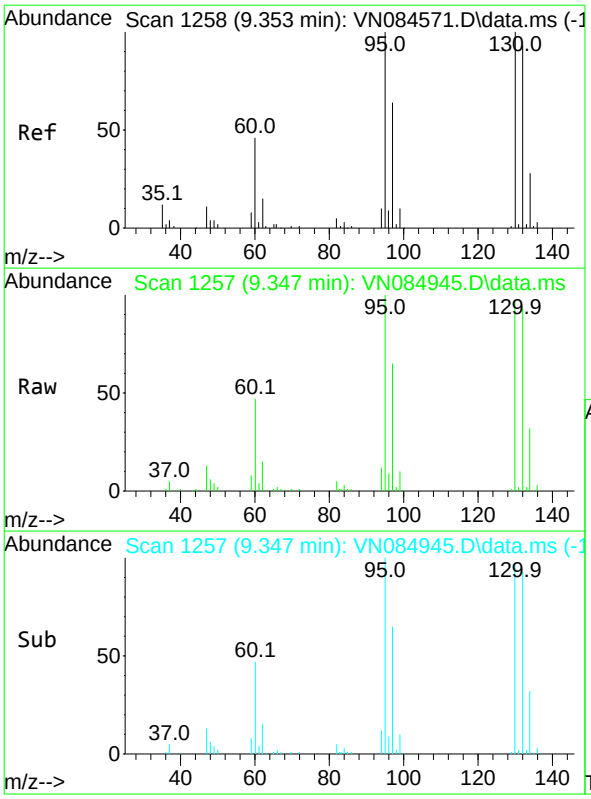


#35
Dibromofluoromethane
Concen: 47.857 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084945.D
Acq: 19 Nov 2024 14:29

Tgt Ion:113 Resp: 104996

Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.3	124.9
192	17.4	13.5	20.3



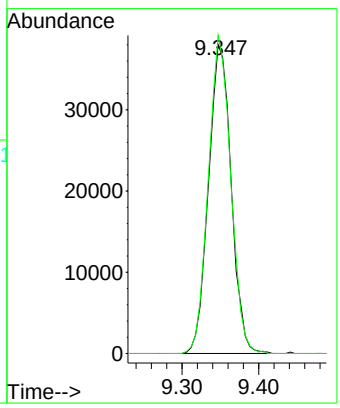


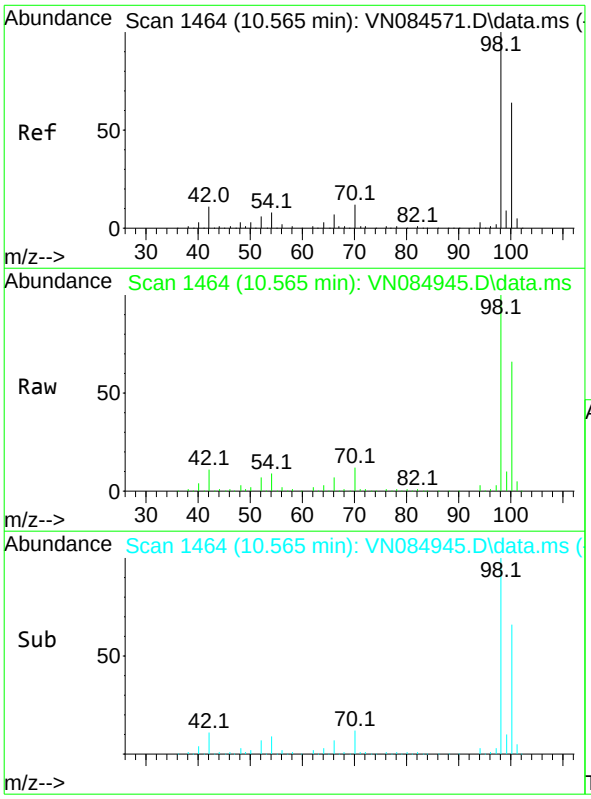
#44
Trichloroethene
Concen: 34.630 ug/l
RT: 9.347 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084945.D
Acq: 19 Nov 2024 14:29

Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-2-20241111DL

Tgt Ion:130 Resp: 78042

Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	203.0

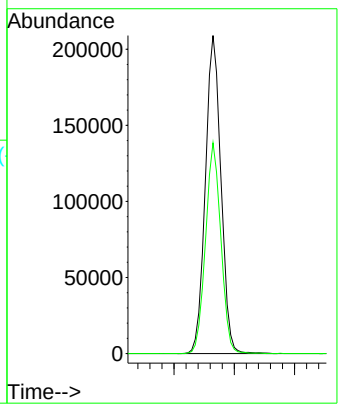


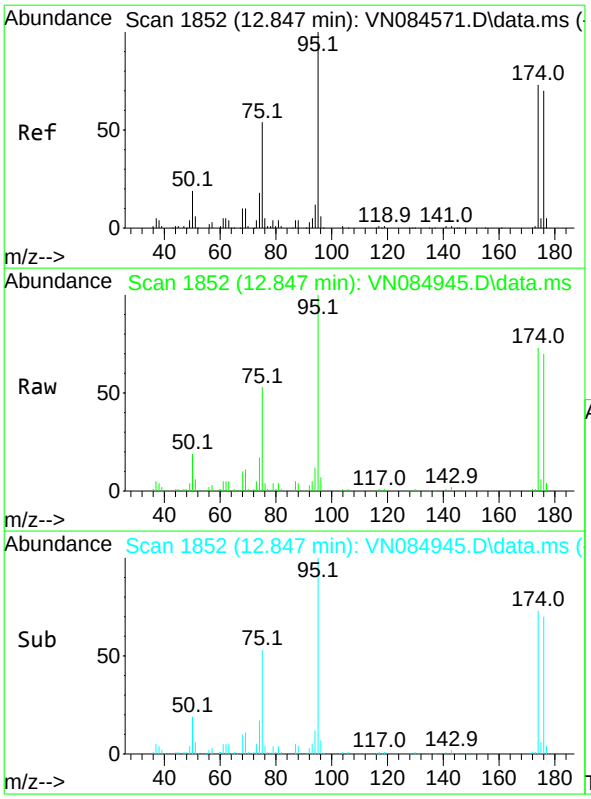


#50
Toluene-d8
Concen: 46.507 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084945.D
Acq: 19 Nov 2024 14:29

Tgt Ion: 98 Resp: 375860

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.7	79.1



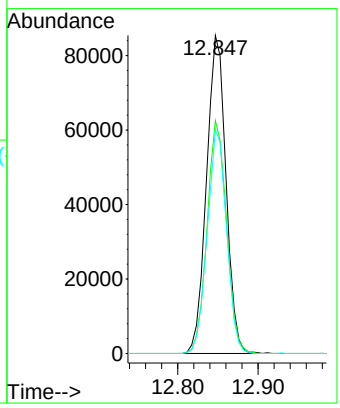


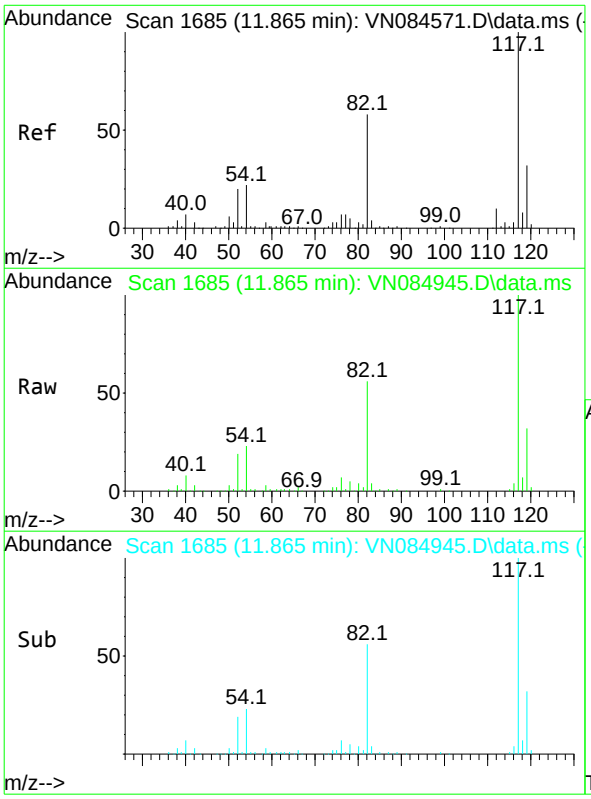
#62
4-Bromofluorobenzene
Concen: 47.546 ug/l
RT: 12.847 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084945.D
Acq: 19 Nov 2024 14:29

Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-2-20241111DL

Tgt Ion: 95 Resp: 143610

Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	145.2
176	69.8	0.0	140.0

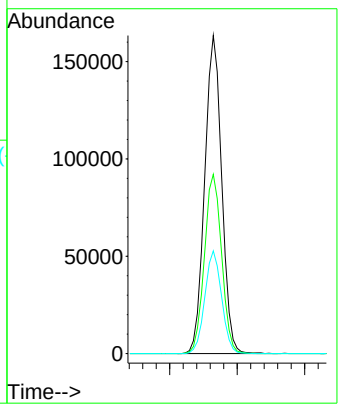


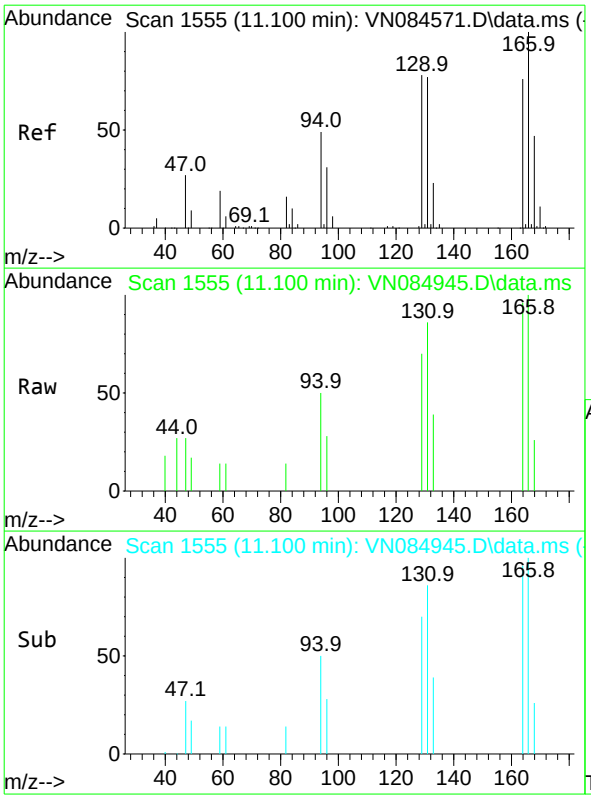


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084945.D
Acq: 19 Nov 2024 14:29

Tgt Ion:117 Resp: 285884

Ion	Ratio	Lower	Upper
117	100		
82	56.4	47.2	70.8
119	32.3	25.4	38.0



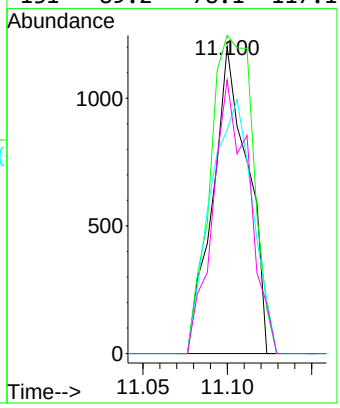


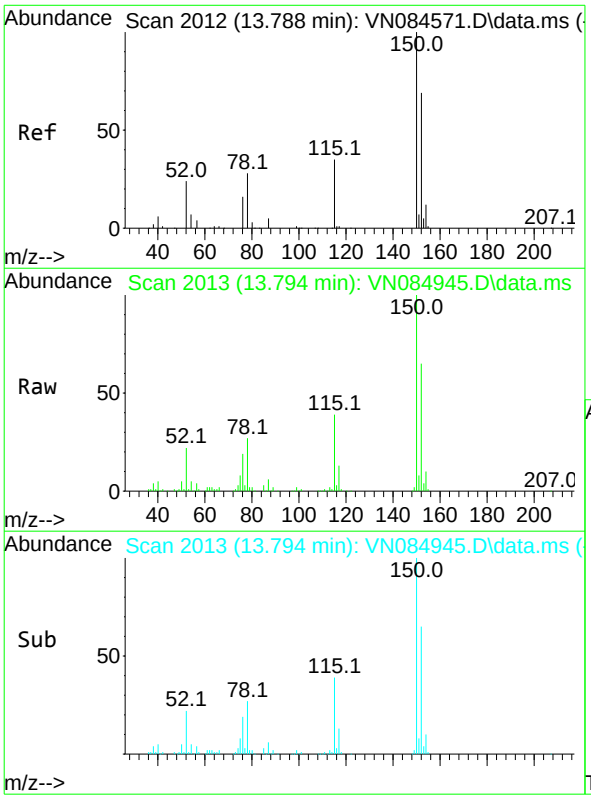
#64
Tetrachloroethene
Concen: 0.911 ug/l
RT: 11.100 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084945.D
Acq: 19 Nov 2024 14:29

Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-2-20241111DL

Tgt Ion:164 Resp: 1733

Ion	Ratio	Lower	Upper
164	100		
166	103.7	101.0	151.4
129	72.8	80.8	121.2#
131	89.2	78.1	117.1

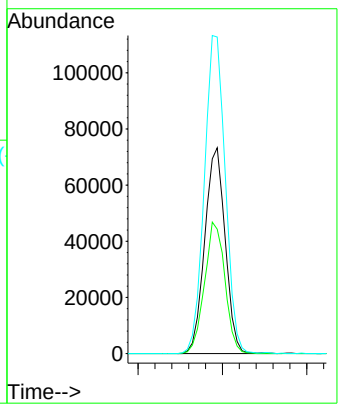




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084945.D
Acq: 19 Nov 2024 14:29

Tgt Ion:152 Resp: 123358

Ion	Ratio	Lower	Upper
152	100		
115	63.7	31.3	93.9
150	158.4	0.0	349.8



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/11/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-14-20241111	SDG No.:	P4845
Lab Sample ID:	P4845-20	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084951.D	1		11/19/24 16:52	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.62	J	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	3.50		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.35	J	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	7.00		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	6.40		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/11/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-14-20241111	SDG No.:	P4845
Lab Sample ID:	P4845-20	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084951.D	1		11/19/24 16:52	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	23.8		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.4		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	46.2		89 - 112		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.6		85 - 114		91%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	165000	8.224				
540-36-3	1,4-Difluorobenzene	303000	9.1				
3114-55-4	Chlorobenzene-d5	266000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	111000	13.788				
TENTATIVE IDENTIFIED COMPOUNDS							

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/11/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-14-20241111	SDG No.:	P4845
Lab Sample ID:	P4845-20	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084951.D	1		11/19/24 16:52	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	8.20	J			2.29	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084951.D
Acq On : 19 Nov 2024 16:52
Operator : JC\MD
Sample : P4845-20
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-14-20241111

Quant Time: Nov 20 00:31:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

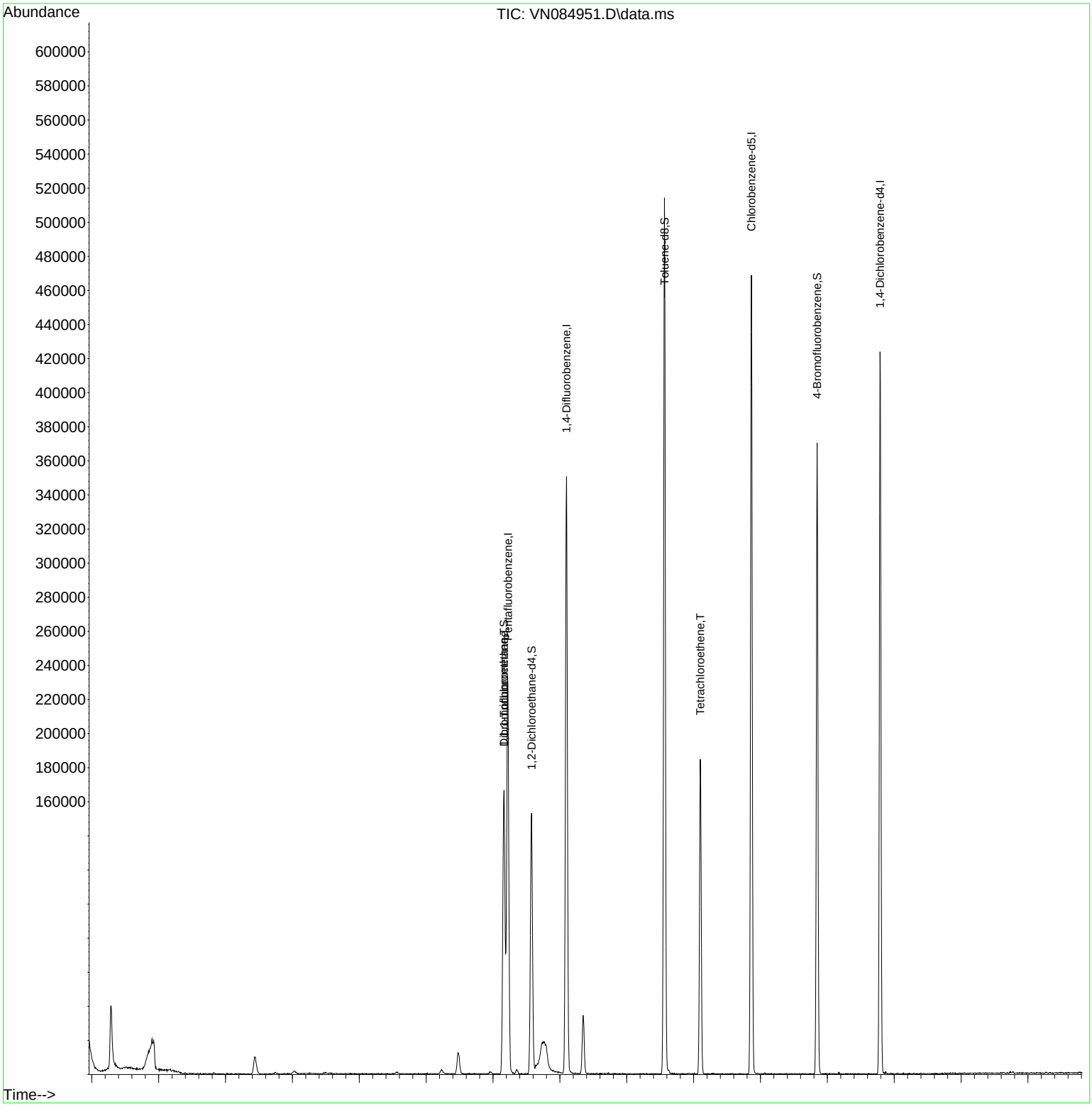
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	164761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	302975	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	266331	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	111142	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	124632	52.373	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.740%			
35) Dibromofluoromethane	8.165	113	100118	48.820	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.640%			
50) Toluene-d8	10.565	98	348683	46.156	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.320%			
62) 4-Bromofluorobenzene	12.847	95	128826	45.629	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.260%			
Target Compounds						Qvalue
27) cis-1,2-Dichloroethene	7.483	96	7815	3.474	ug/l	91
30) Chloroform	7.971	83	1309	0.354	ug/l #	71
32) 1,1,1-Trichloroethane	8.165	97	23575	7.011	ug/l	97
38) Carbon Tetrachloride	8.347	117	1959	0.616	ug/l #	81
44) Trichloroethene	9.353	130	13508	6.412	ug/l	78
64) Tetrachloroethene	11.100	164	42179	23.809	ug/l	97

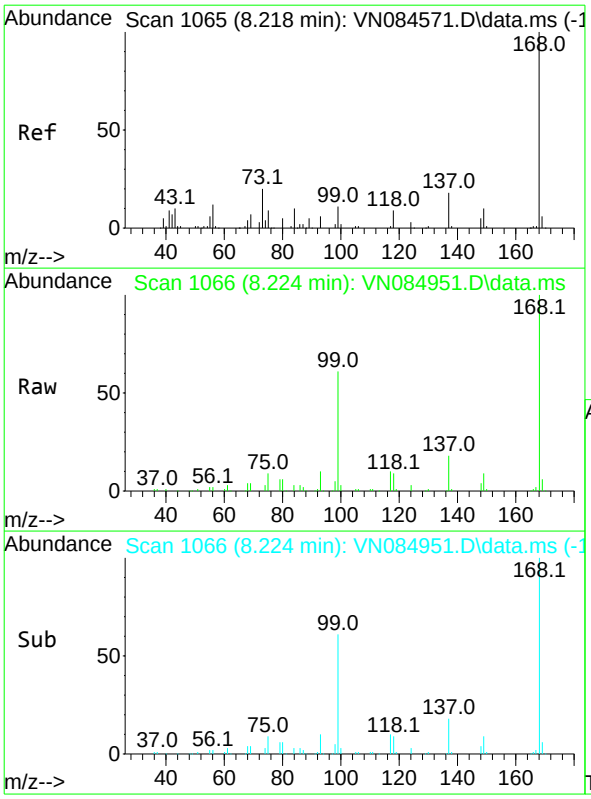
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084951.D
Acq On : 19 Nov 2024 16:52
Operator : JC\MD
Sample : P4845-20
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-14-20241111

Quant Time: Nov 20 00:31:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



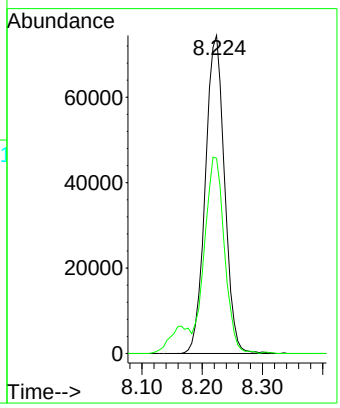


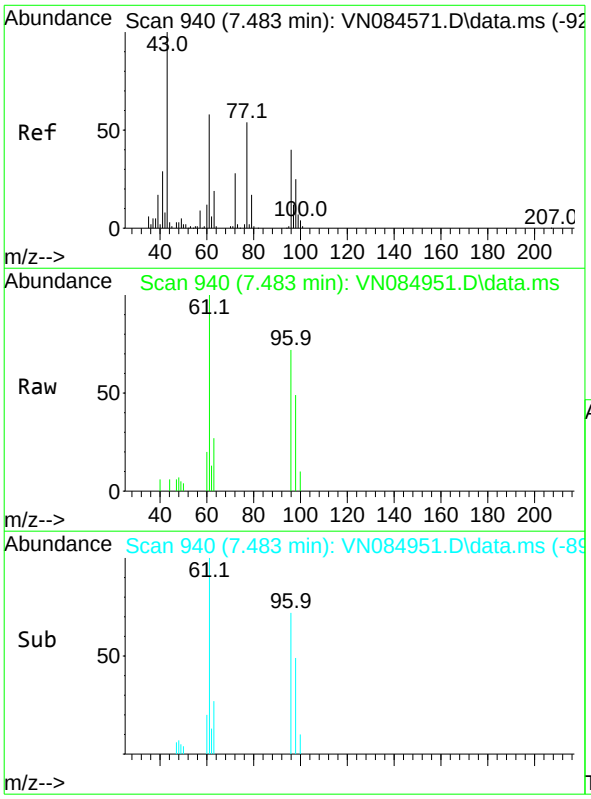
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084951.D
Acq: 19 Nov 2024 16:52

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-14-20241111

Tgt Ion:168 Resp: 164761

Ion	Ratio	Lower	Upper
168	100		
99	61.4	54.2	81.2

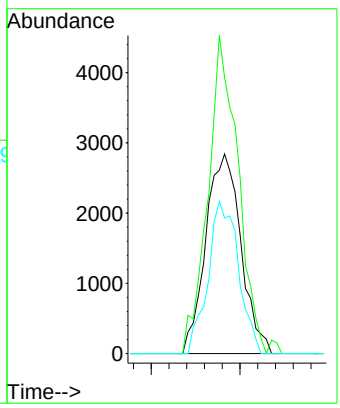


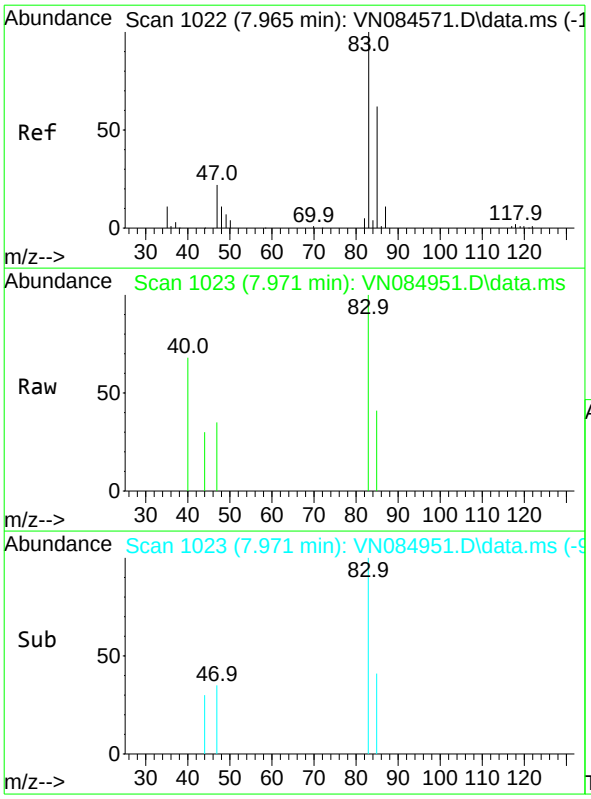


#27
cis-1,2-Dichloroethene
Concen: 3.474 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084951.D
Acq: 19 Nov 2024 16:52

Tgt Ion: 96 Resp: 7815

Ion	Ratio	Lower	Upper
96	100		
61	136.3	0.0	301.8
98	65.9	0.0	128.2



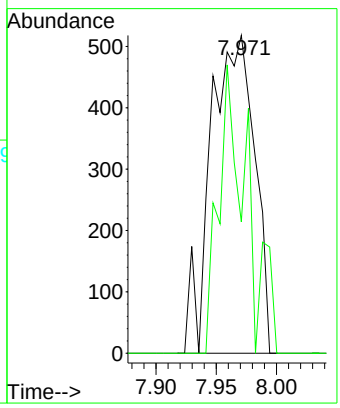


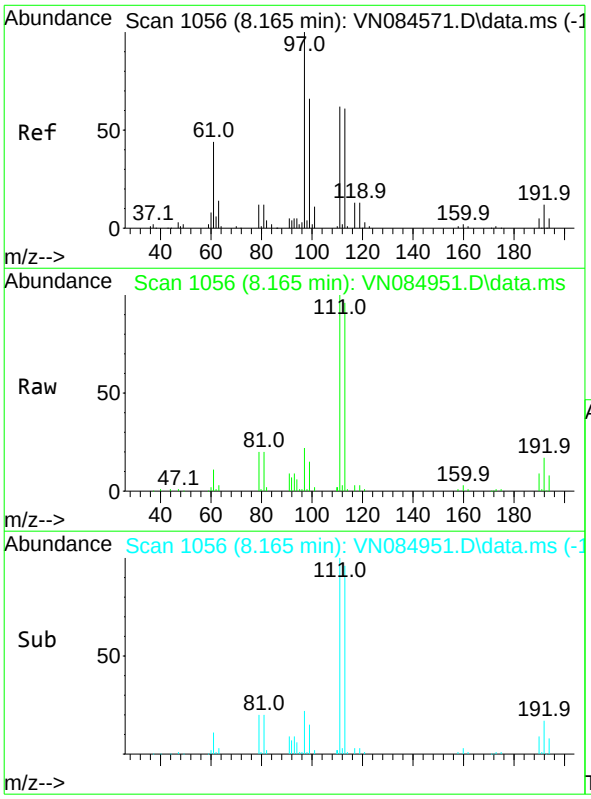
#30
Chloroform
Concen: 0.354 ug/l
RT: 7.971 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN084951.D
Acq: 19 Nov 2024 16:52

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-14-20241111

Tgt Ion: 83 Resp: 1309

Ion	Ratio	Lower	Upper
83	100		
85	41.3	51.0	76.4#

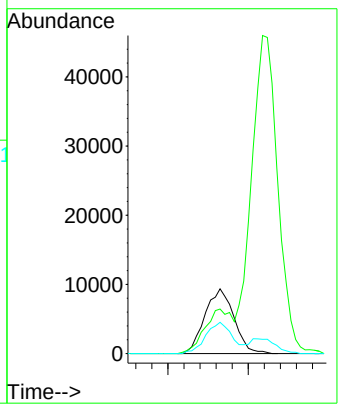


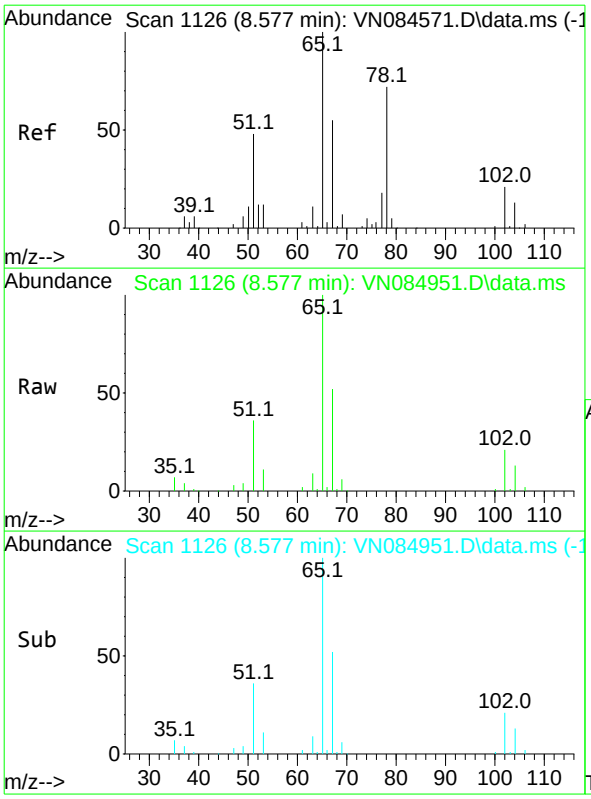


#32
1,1,1-Trichloroethane
Concen: 7.011 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084951.D
Acq: 19 Nov 2024 16:52

Tgt Ion: 97 Resp: 23575

Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.2	76.8
61	44.2	37.5	56.3



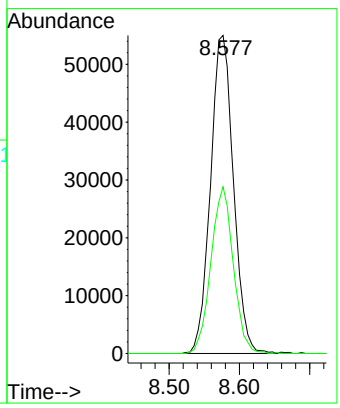


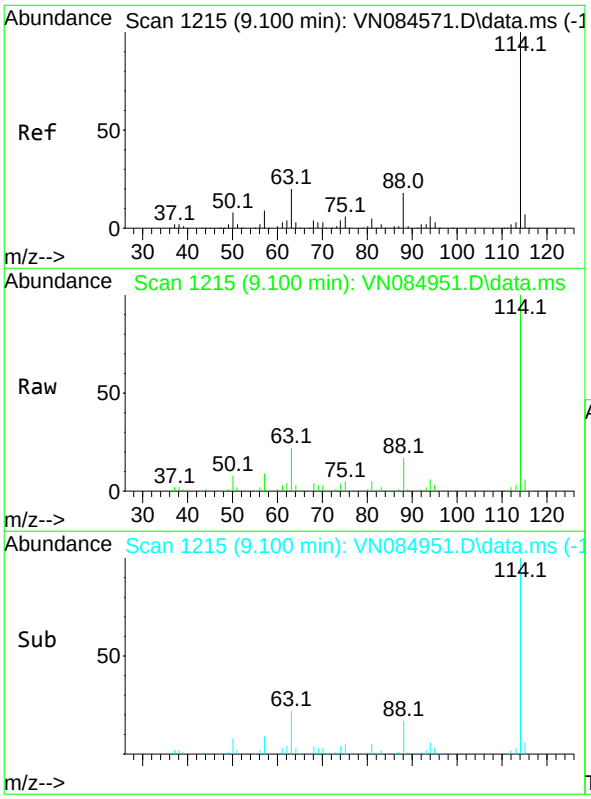
#33
1,2-Dichloroethane-d4
Concen: 52.373 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084951.D
Acq: 19 Nov 2024 16:52

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-14-20241111

Tgt Ion: 65 Resp: 124632

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	102.0

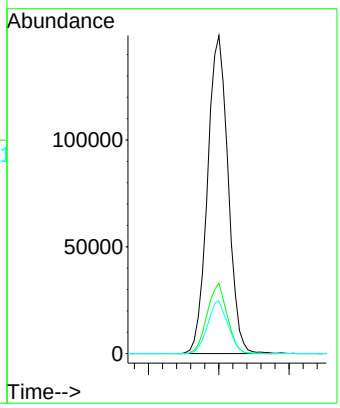


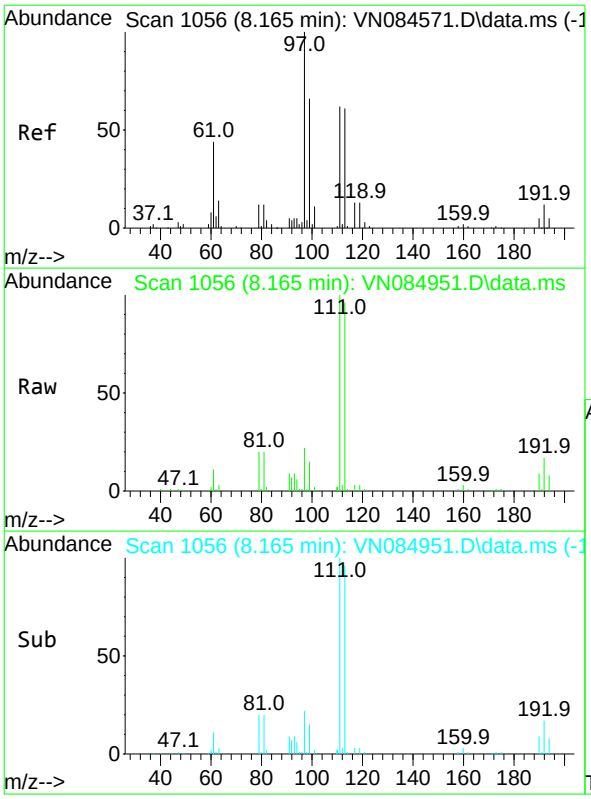


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084951.D
Acq: 19 Nov 2024 16:52

Tgt Ion:114 Resp: 302975

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	43.8
88	16.6	0.0	31.6



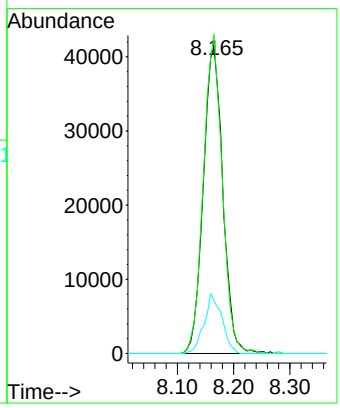


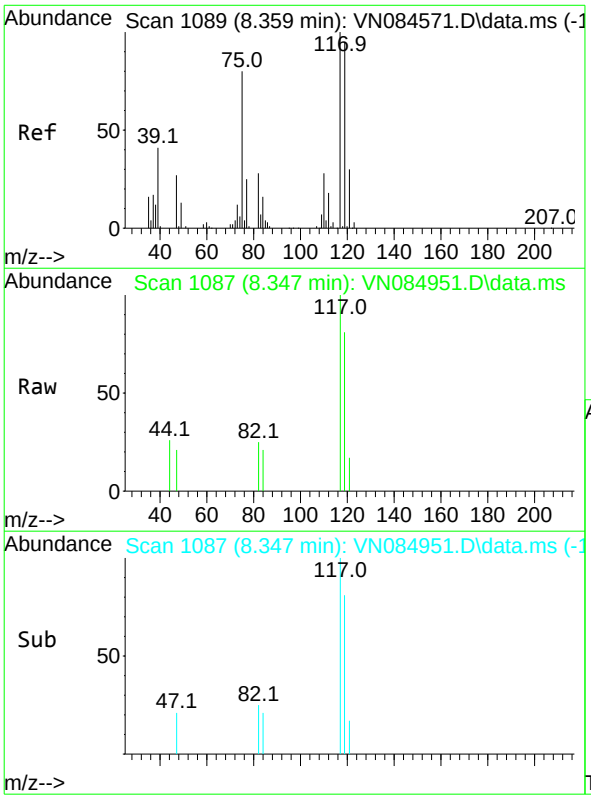
#35
Dibromofluoromethane
Concen: 48.820 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084951.D
Acq: 19 Nov 2024 16:52

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-14-20241111

Tgt Ion:113 Resp: 100118

Ion	Ratio	Lower	Upper
113	100		
111	100.5	83.3	124.9
192	17.7	13.5	20.3

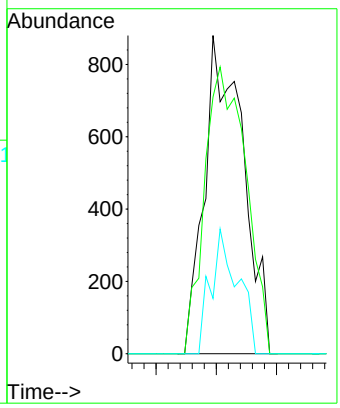


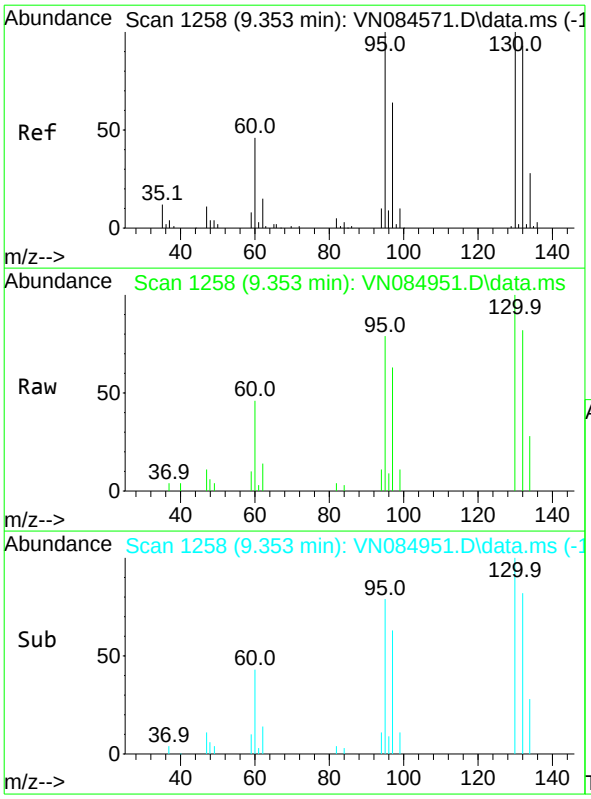


#38
Carbon Tetrachloride
Concen: 0.616 ug/l
RT: 8.347 min Scan# 1087
Delta R.T. -0.012 min
Lab File: VN084951.D
Acq: 19 Nov 2024 16:52

Tgt Ion:117 Resp: 1959

Ion	Ratio	Lower	Upper
117	100		
119	80.7	78.7	118.1
121	17.4	24.4	36.6#



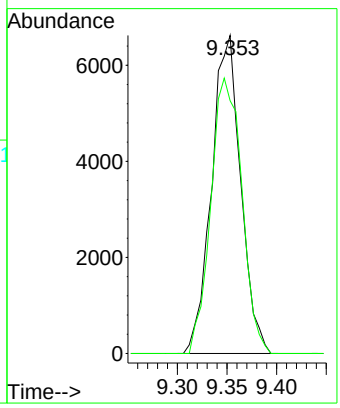


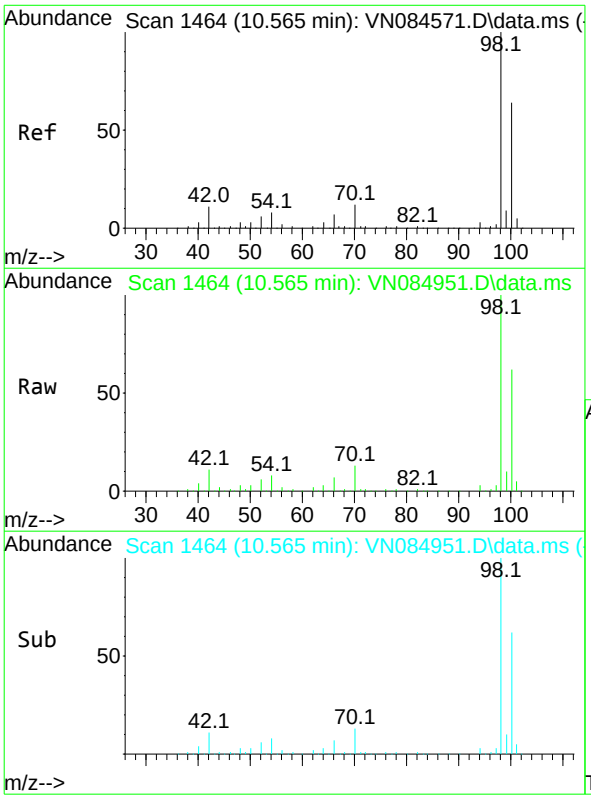
#44
Trichloroethene
Concen: 6.412 ug/l
RT: 9.353 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN084951.D
Acq: 19 Nov 2024 16:52

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-14-20241111

Tgt Ion:130 Resp: 13508

Ion	Ratio	Lower	Upper
130	100		
95	79.5	0.0	203.0

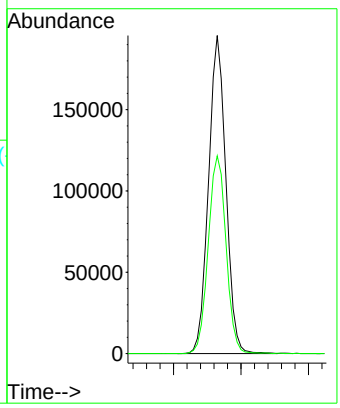


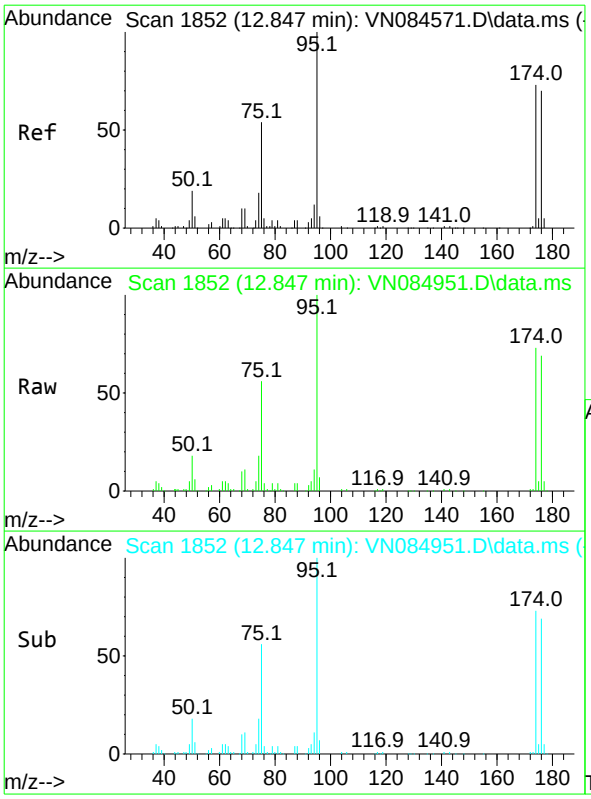


#50
Toluene-d8
Concen: 46.156 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084951.D
Acq: 19 Nov 2024 16:52

Tgt Ion: 98 Resp: 348683

Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.7	79.1



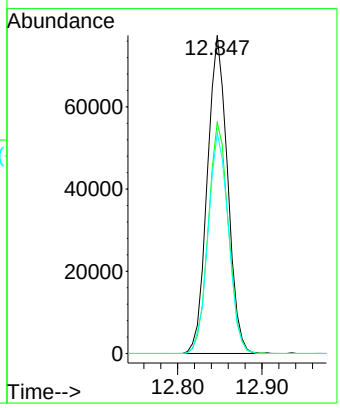


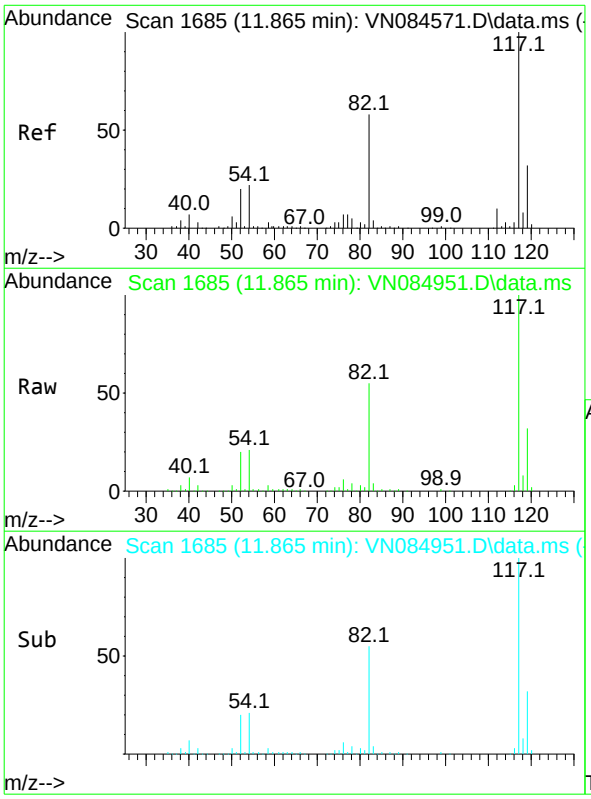
#62
4-Bromofluorobenzene
Concen: 45.629 ug/l
RT: 12.847 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084951.D
Acq: 19 Nov 2024 16:52

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-14-20241111

Tgt Ion: 95 Resp: 128826

Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	145.2
176	69.8	0.0	140.0

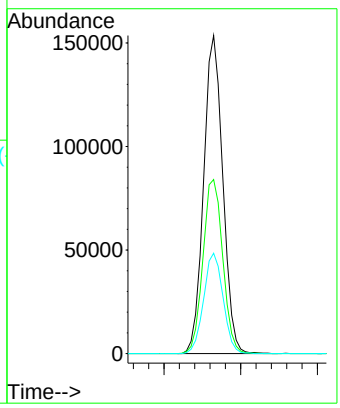


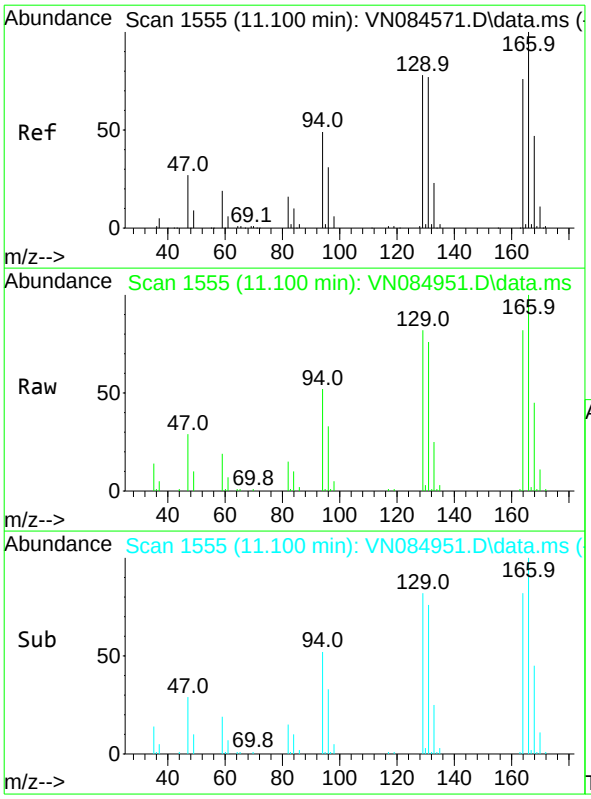


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084951.D
Acq: 19 Nov 2024 16:52

Tgt Ion:117 Resp: 266331

Ion	Ratio	Lower	Upper
117	100		
82	54.7	47.2	70.8
119	31.6	25.4	38.0



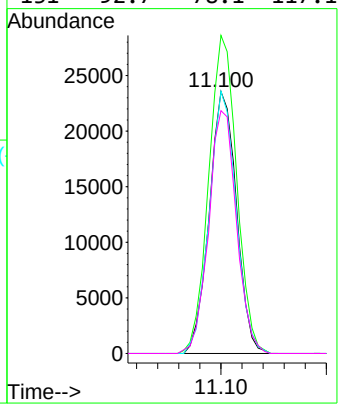


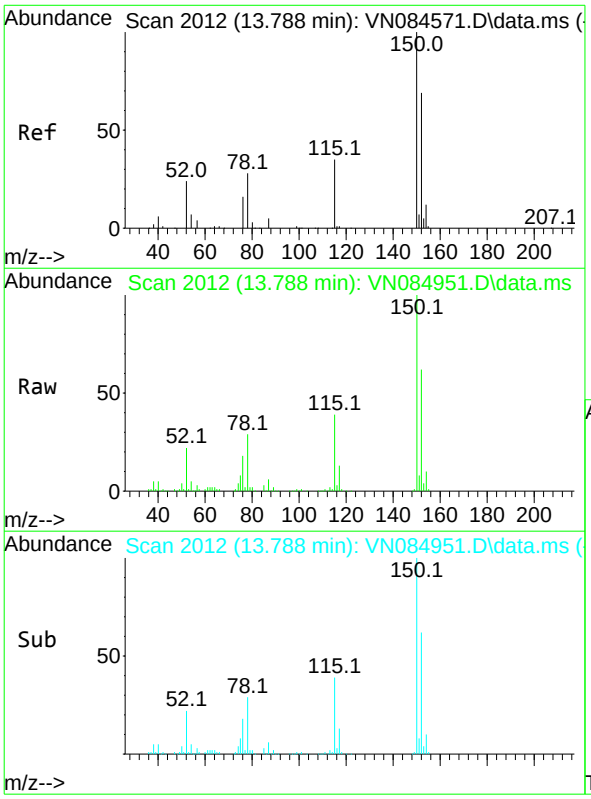
#64
Tetrachloroethene
Concen: 23.809 ug/l
RT: 11.100 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084951.D
Acq: 19 Nov 2024 16:52

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-14-20241111

Tgt Ion:164 Resp: 42179

Ion	Ratio	Lower	Upper
164	100		
166	121.4	101.0	151.4
129	100.1	80.8	121.2
131	92.7	78.1	117.1

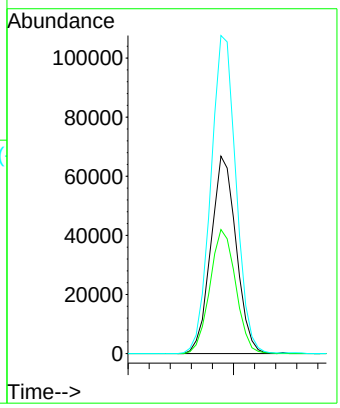




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084951.D
Acq: 19 Nov 2024 16:52

Tgt Ion:152 Resp: 111142

Ion	Ratio	Lower	Upper
152	100		
115	63.9	31.3	93.9
150	161.1	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084951.D
Acq On : 19 Nov 2024 16:52
Operator : JC\MD
Sample : P4845-20
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-14-20241111

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084951.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.289	50	57	67	rBV2	36938	85500	9.28%	1.519%
2	2.830	139	149	150	rBV3	7717	15622	1.70%	0.278%
3	4.436	410	422	437	rBV2	10404	32706	3.55%	0.581%
4	7.477	932	939	949	rBV4	12494	32977	3.58%	0.586%
5	8.165	1045	1056	1060	rBV	166591	390774	42.41%	6.945%
6	8.218	1060	1065	1078	rVB	232520	522853	56.75%	9.292%
7	8.577	1117	1126	1134	rBV	152839	337904	36.67%	6.005%
8	8.735	1142	1153	1154	rBV3	12735	28721	3.12%	0.510%
9	9.100	1205	1215	1225	rBV	350002	712440	77.32%	12.661%
10	9.347	1249	1257	1267	rBV2	34443	72096	7.82%	1.281%
11	10.565	1456	1464	1473	rBV	513956	921384	100.00%	16.375%
12	11.100	1548	1555	1564	rBV	184564	329742	35.79%	5.860%
13	11.865	1677	1685	1697	rVB	468521	820521	89.05%	14.582%
14	12.847	1845	1852	1865	rBV	370273	613338	66.57%	10.900%
15	13.788	2004	2012	2021	rBV	423934	710360	77.10%	12.624%

Sum of corrected areas: 5626938

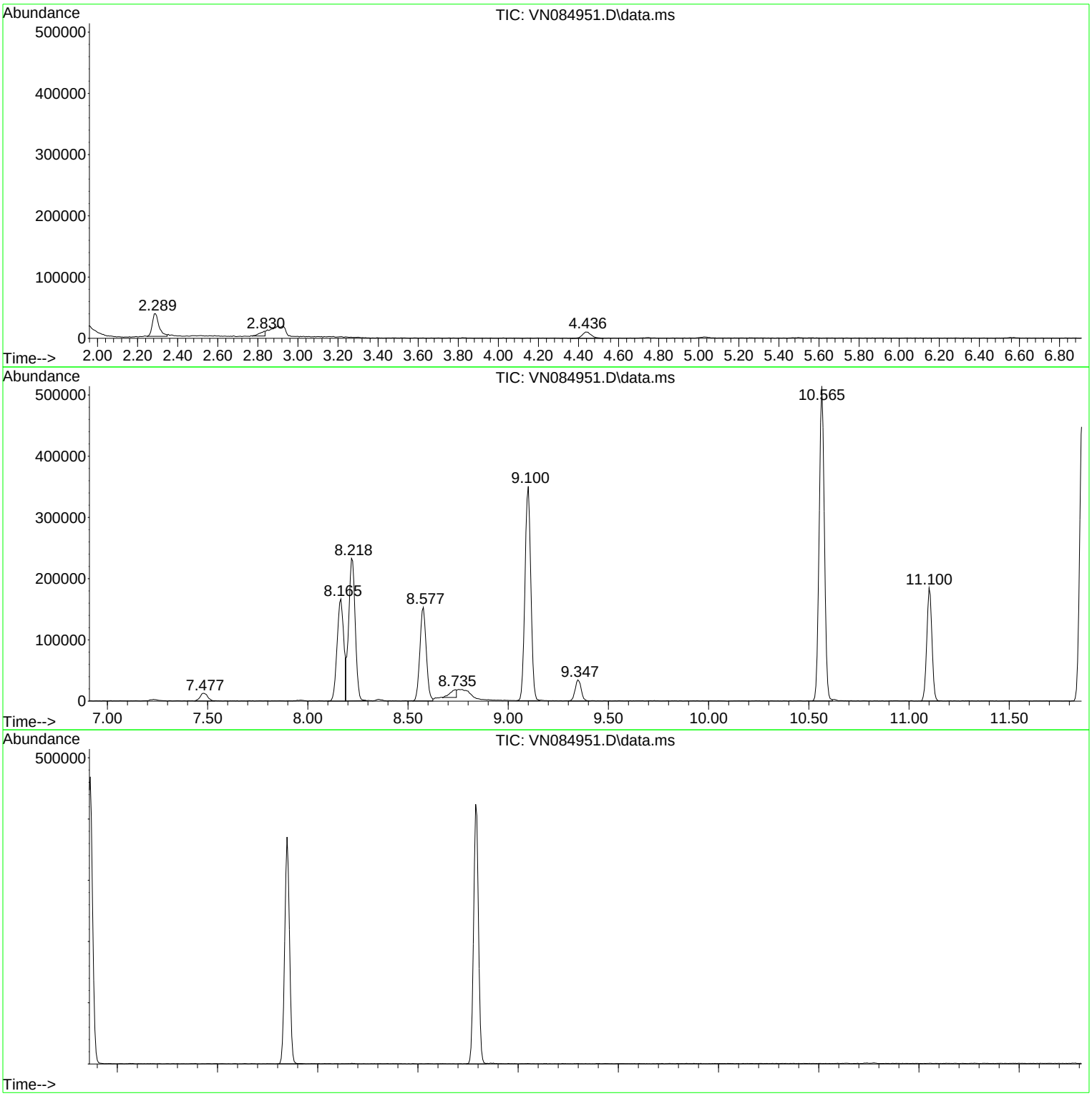
Sample Results: **VN084951.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084951.D
Acq On : 19 Nov 2024 16:52
Operator : JC\MD
Sample : P4845-20
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-14-20241111

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084951.D
Acq On : 19 Nov 2024 16:52
Operator : JC\MD
Sample : P4845-20
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-14-20241111

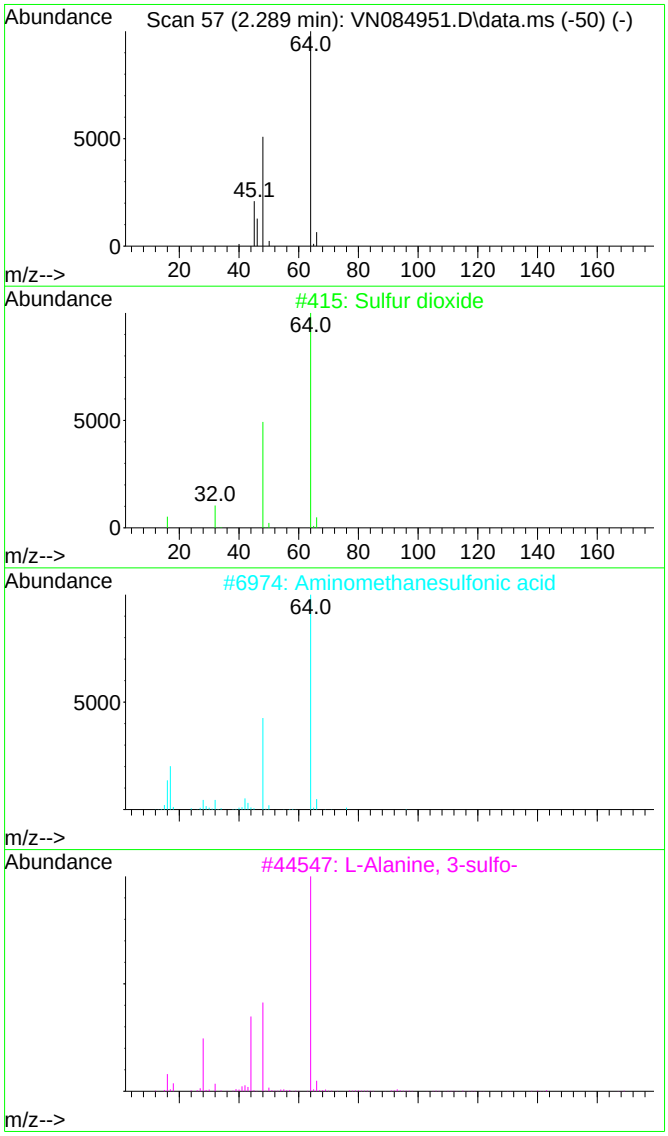
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

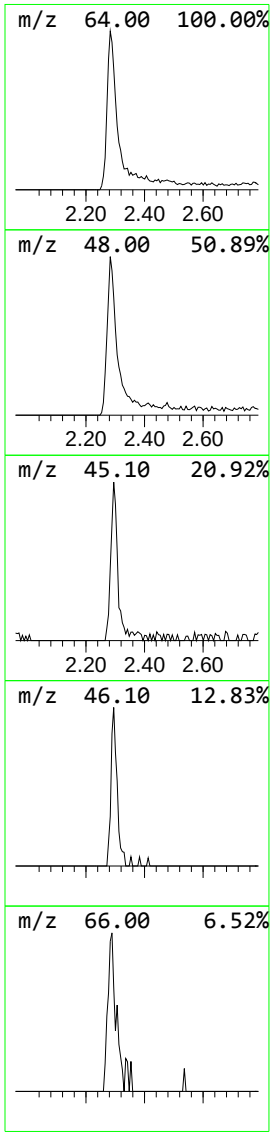
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.289	8.18 ug/l	85500	Pentafluorobenzene	8.224

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	86
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	43
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethanol, 2-fluoro-	64	C2H5FO	000371-62-0	5
5	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084951.D
Acq On : 19 Nov 2024 16:52
Operator : JC\MD
Sample : P4845-20
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-14-20241111

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	2.289	8.2	ug/l	85500	1	8.224	522853	50.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-13-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-21	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085016.D	1		11/22/24 19:17	VN112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	120	E	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-13-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-21	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085016.D	1		11/22/24 19:17	VN112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.74	J	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.7		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	47.8		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.9		85 - 114		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	152000	8.218				
540-36-3	1,4-Difluorobenzene	265000	9.094				
3114-55-4	Chlorobenzene-d5	223000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	99500	13.788				

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-13-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-21	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085016.D	1		11/22/24 19:17	VN112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085016.D
Acq On : 22 Nov 2024 19:17
Operator : JC\MD
Sample : P4845-21
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Quant Time: Nov 23 03:25:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

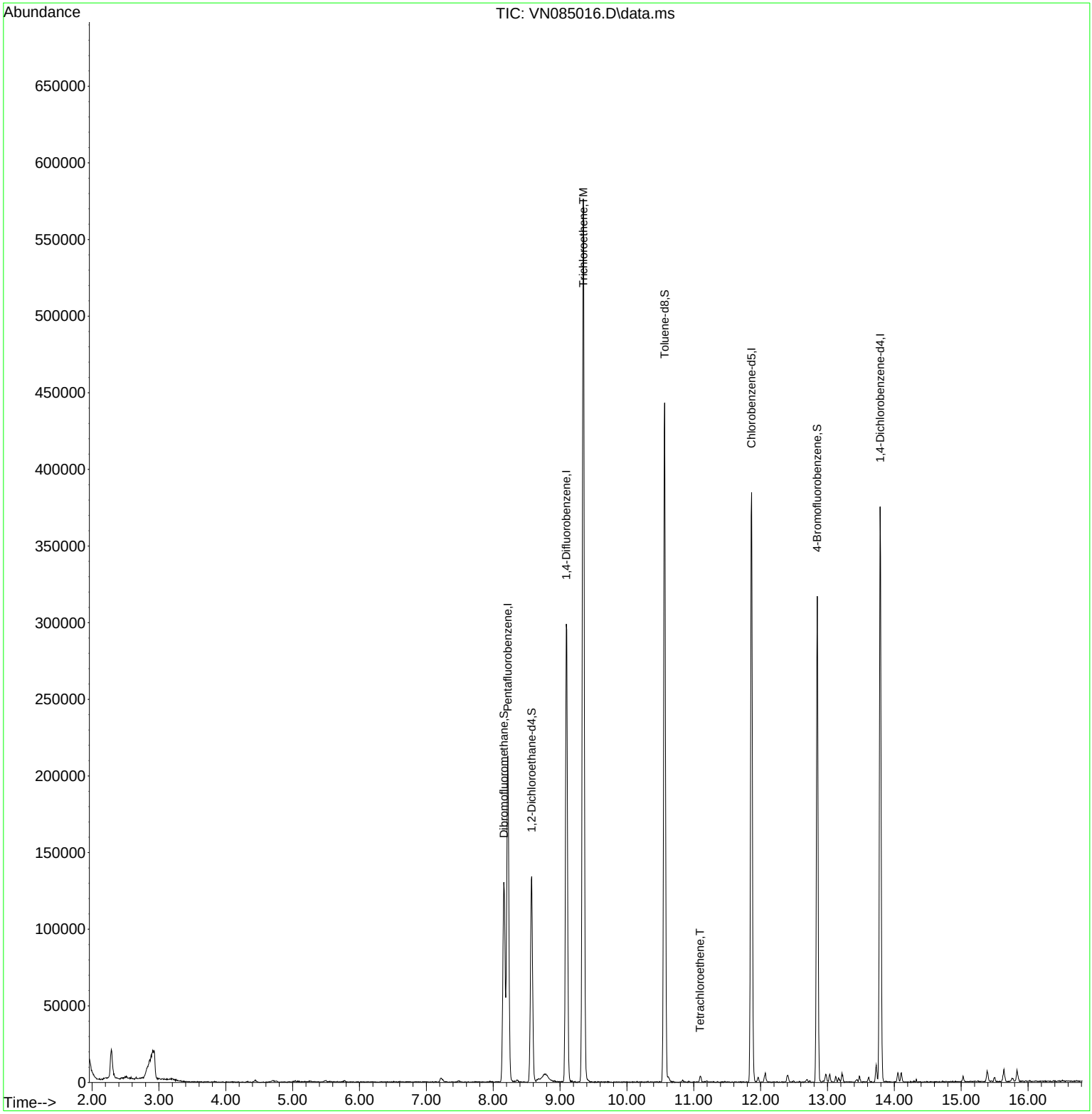
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	152210	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	264627	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	222942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	99476	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	109942	50.708	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.420%			
35) Dibromofluoromethane	8.159	113	86430	48.432	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.860%			
50) Toluene-d8	10.565	98	305909	47.832	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.660%			
62) 4-Bromofluorobenzene	12.847	95	109809	45.913	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.820%			
Target Compounds						Qvalue
44) Trichloroethene	9.347	130	205953	115.921	ug/l	94
64) Tetrachloroethene	11.094	164	1116	0.743	ug/l #	73

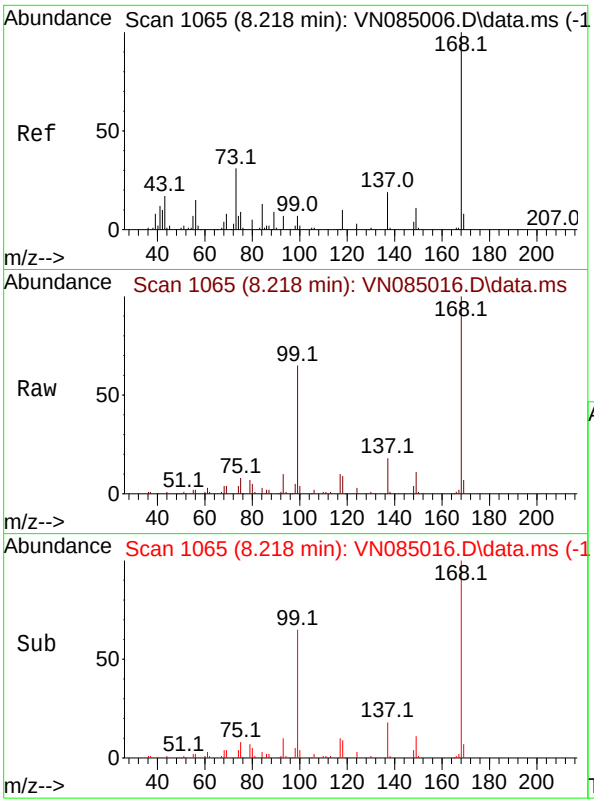
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085016.D
Acq On : 22 Nov 2024 19:17
Operator : JC\MD
Sample : P4845-21
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Quant Time: Nov 23 03:25:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



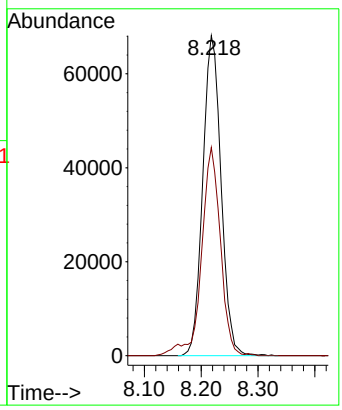


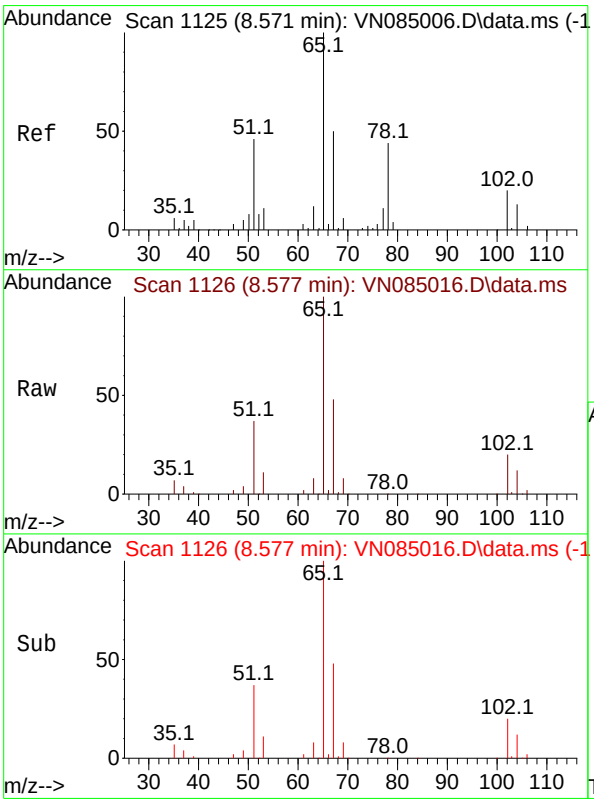
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Tgt Ion:168 Resp: 152210

Ion	Ratio	Lower	Upper
168	100		
99	65.0	51.2	76.8

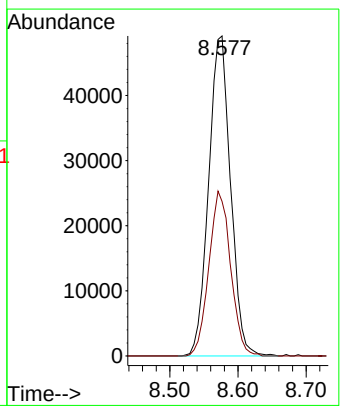


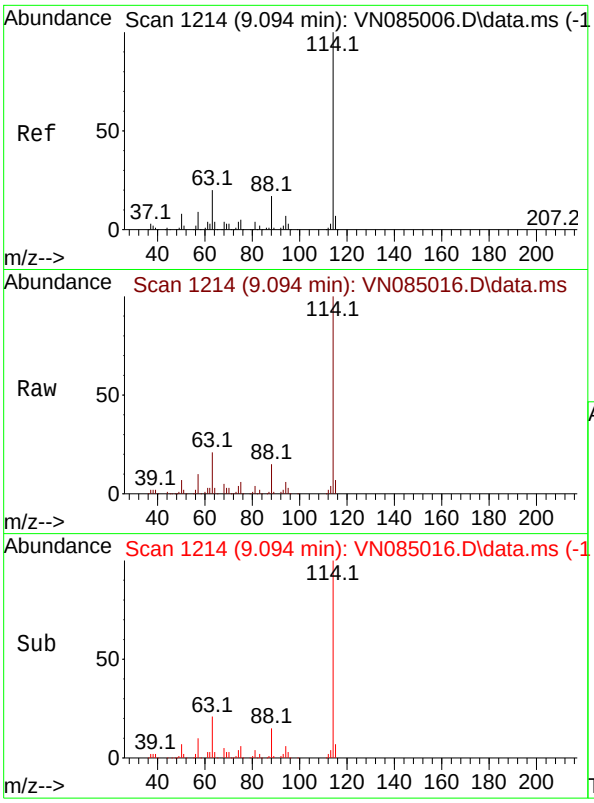


#33
1,2-Dichloroethane-d4
Concen: 50.708 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Tgt Ion: 65 Resp: 109942

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	105.0



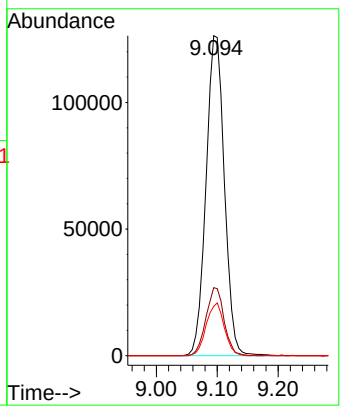


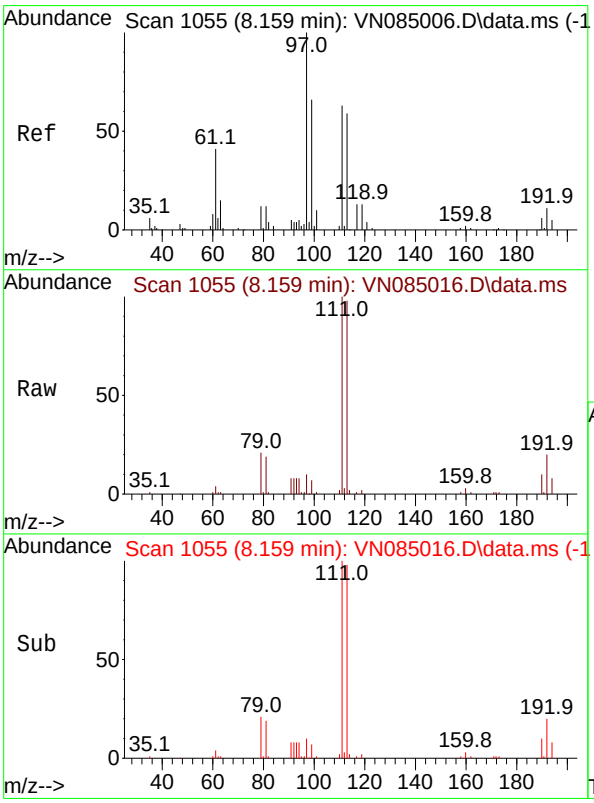
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Tgt Ion:114 Resp: 264627

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	41.0
88	15.4	0.0	34.8

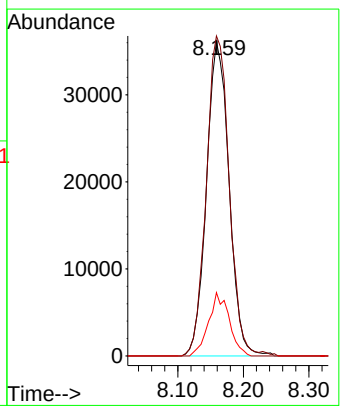


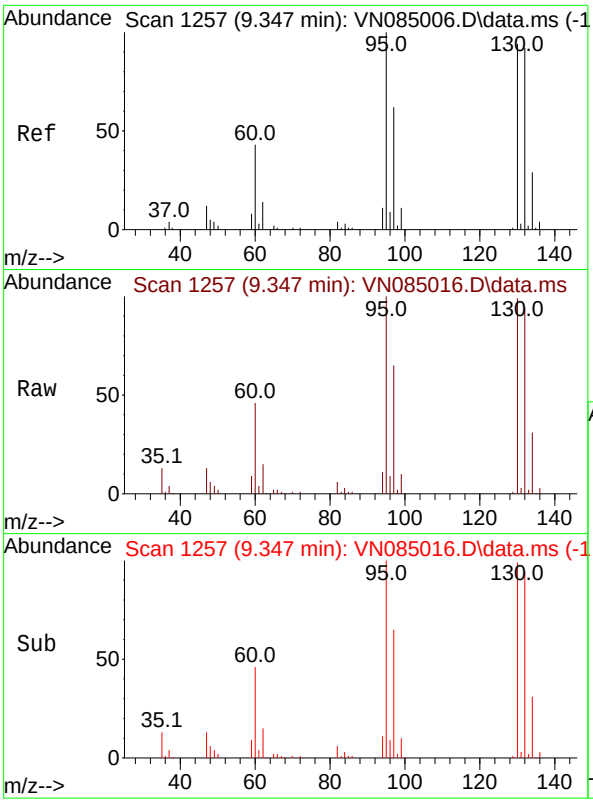


#35
Dibromofluoromethane
Concen: 48.432 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Tgt Ion:113 Resp: 86430

Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.0	123.0
192	18.4	14.8	22.2



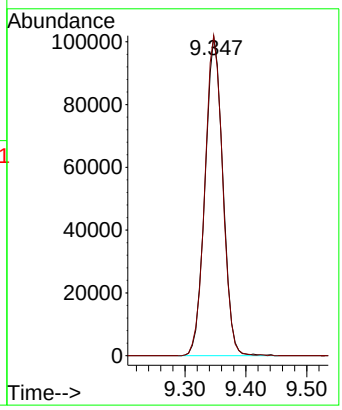


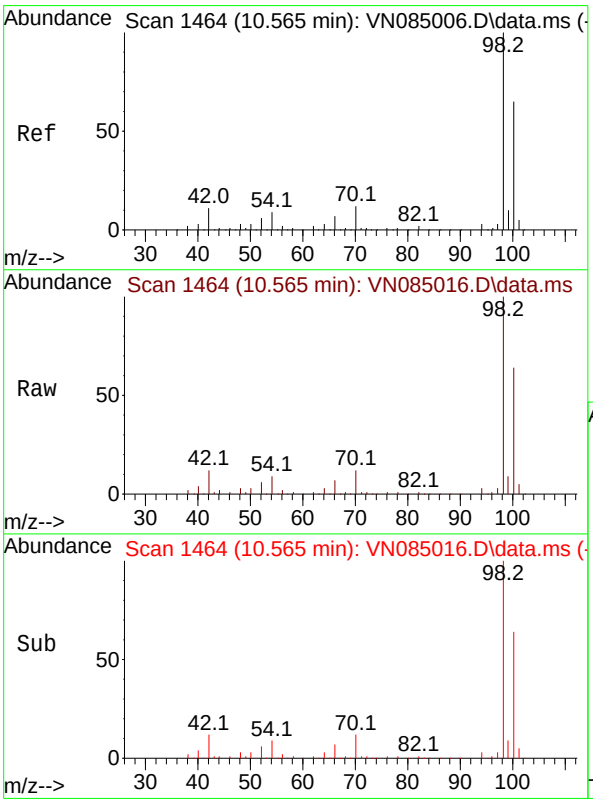
#44
Trichloroethene
Concen: 115.921 ug/l
RT: 9.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Tgt Ion:130 Resp: 205953

Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	213.4

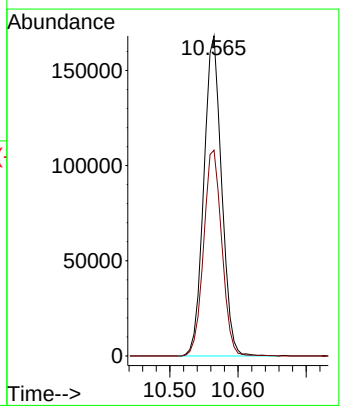


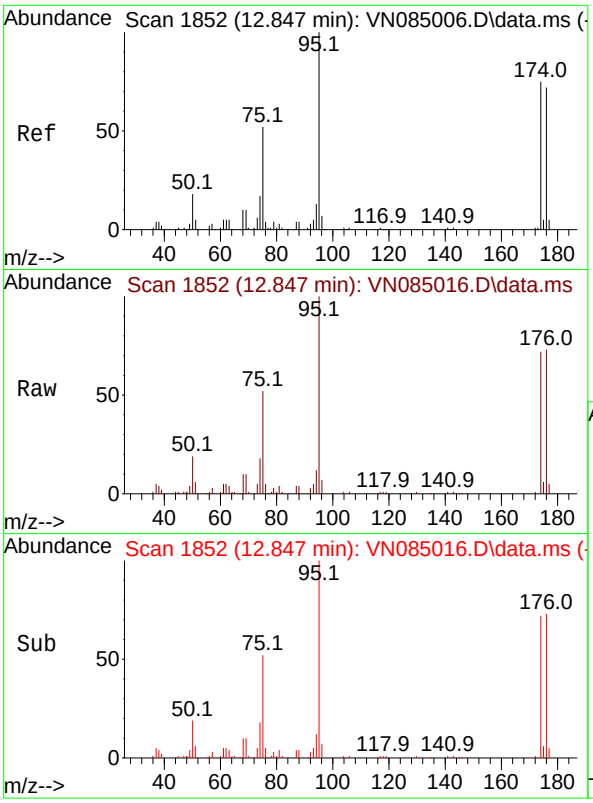


#50
Toluene-d8
Concen: 47.832 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Tgt Ion: 98 Resp: 305909

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.5	78.7



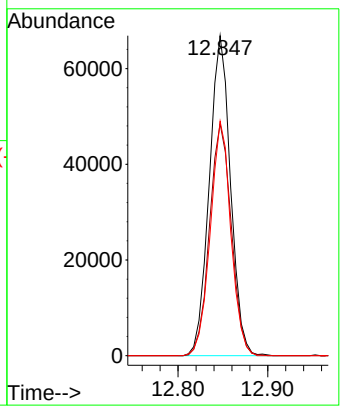


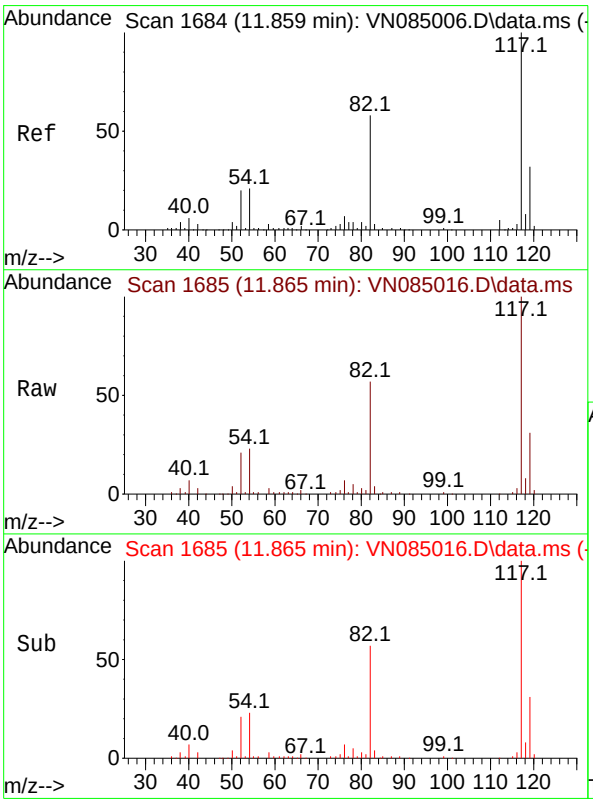
#62
4-Bromofluorobenzene
Concen: 45.913 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Tgt Ion: 95 Resp: 109809

Ion	Ratio	Lower	Upper
95	100		
174	74.4	0.0	146.6
176	70.9	0.0	141.8

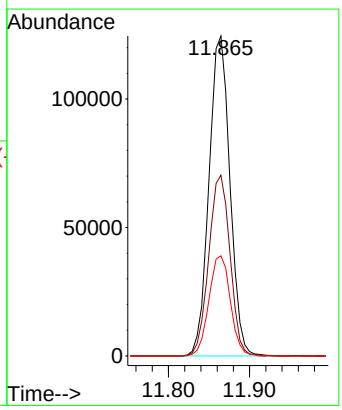


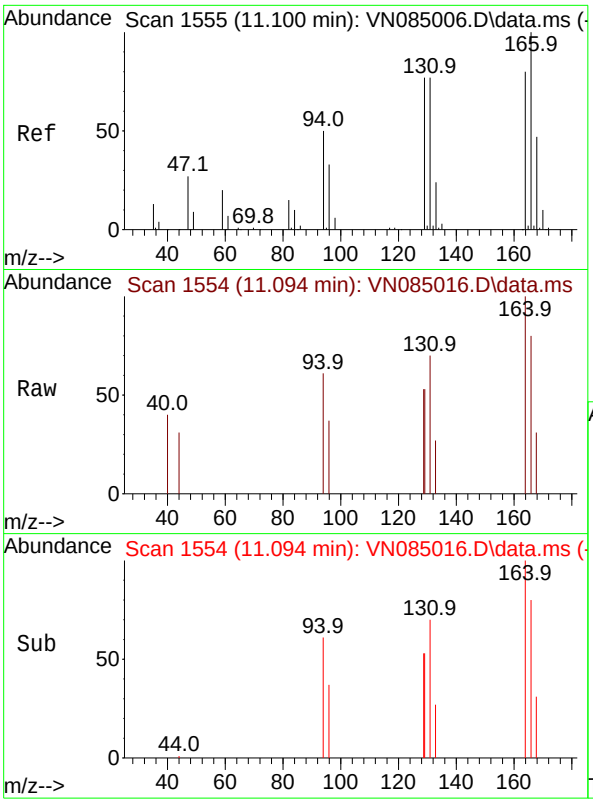


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Tgt Ion:117 Resp: 222942

Ion	Ratio	Lower	Upper
117	100		
82	56.5	46.0	69.0
119	31.3	25.6	38.4



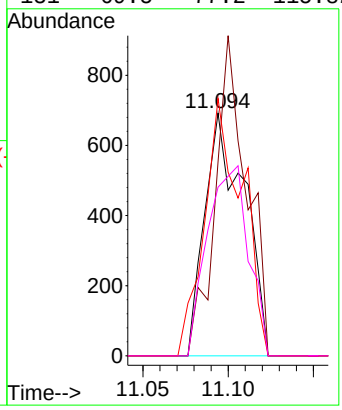


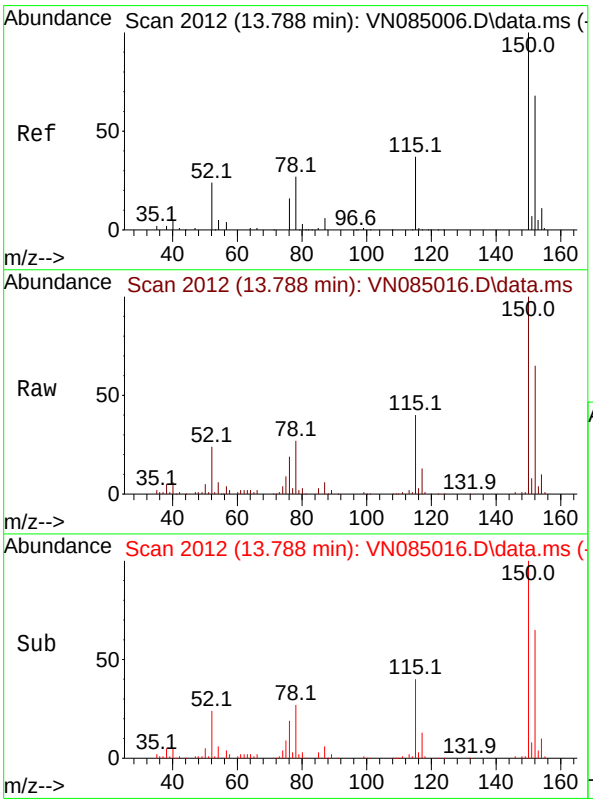
#64
Tetrachloroethene
Concen: 0.743 ug/l
RT: 11.094 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Tgt Ion:164 Resp: 1116

Ion	Ratio	Lower	Upper
164	100		
166	79.9	100.6	151.0#
129	106.1	77.7	116.5
131	69.5	77.2	115.8#

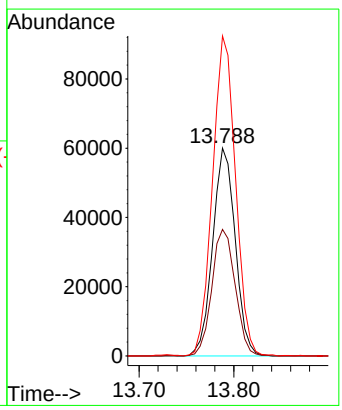




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Tgt Ion:152 Resp: 99476

Ion	Ratio	Lower	Upper
152	100		
115	62.8	31.7	95.1
150	157.0	0.0	351.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085016.D
Acq On : 22 Nov 2024 19:17
Operator : JC\MD
Sample : P4845-21
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Title : SW846 8260

Signal : TIC: VN085016.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.289	49	57	67	rVB3	18590	43427	3.73%	0.765%
2	2.865	139	155	156	rBV5	12140	39706	3.41%	0.699%
3	8.159	1044	1055	1060	rBV2	130405	314110	27.01%	5.533%
4	8.218	1060	1065	1079	rVB	212656	469220	40.35%	8.265%
5	8.577	1115	1126	1137	rBV	134496	300636	25.85%	5.296%
6	9.094	1204	1214	1224	rBV	298866	620010	53.31%	10.921%
7	9.347	1248	1257	1269	rBV	576100	1162976	100.00%	20.486%
8	10.565	1456	1464	1472	rBV	443237	810972	69.73%	14.285%
9	11.865	1677	1685	1697	rBV	385029	700616	60.24%	12.341%
10	12.847	1844	1852	1862	rVB	317228	523628	45.02%	9.224%
11	13.729	1997	2002	2006	rBV3	11115	16404	1.41%	0.289%
12	13.788	2006	2012	2022	rVB	375261	635350	54.63%	11.192%
13	15.388	2279	2284	2293	rVB2	7009	12155	1.05%	0.214%
14	15.641	2319	2327	2332	rBV2	8089	14069	1.21%	0.248%
15	15.835	2353	2360	2368	rVB3	7779	13722	1.18%	0.242%

Sum of corrected areas: 5677001

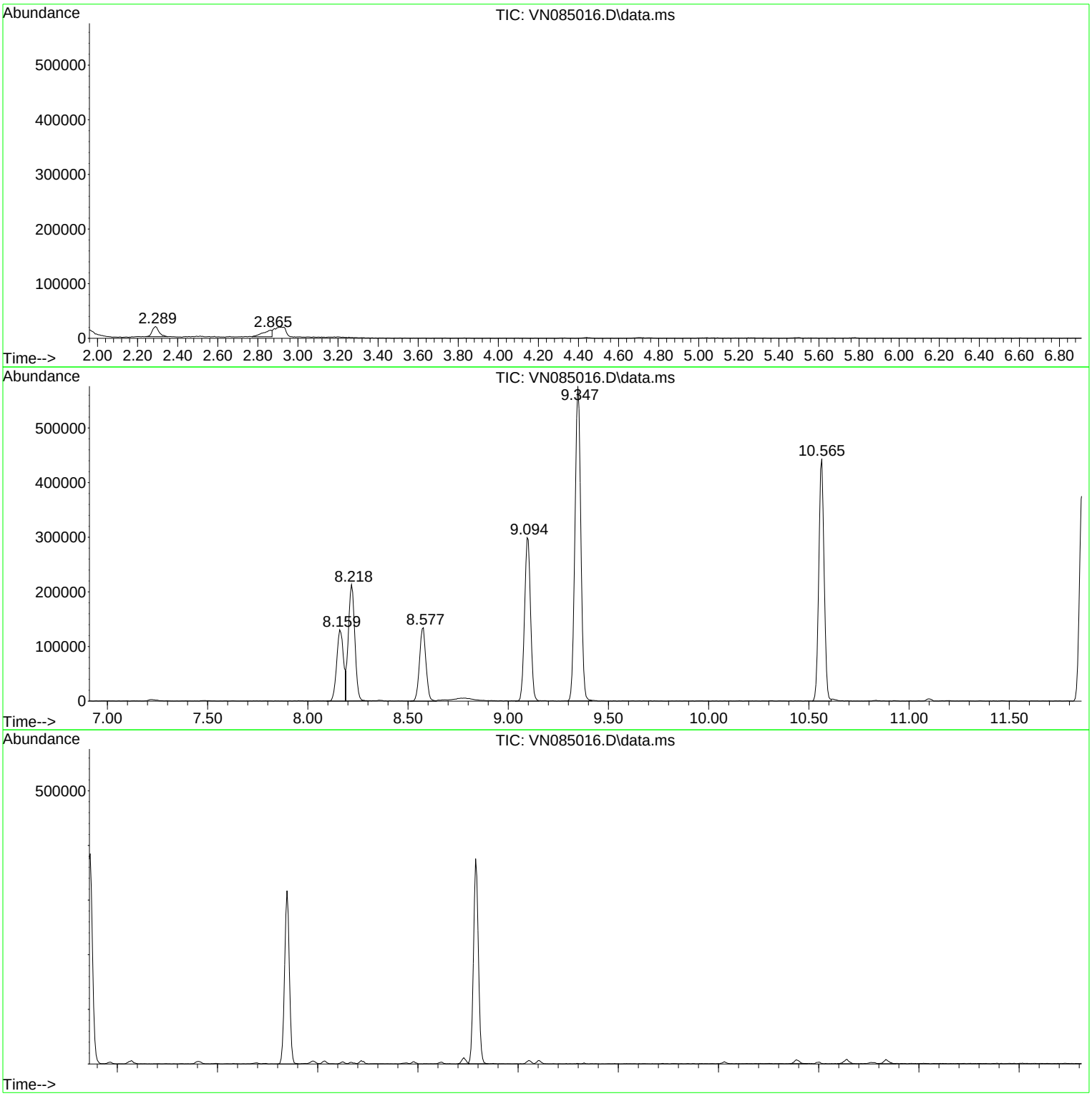
Sample Results: **VN085016.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085016.D
Acq On : 22 Nov 2024 19:17
Operator : JC\MD
Sample : P4845-21
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085016.D
Acq On : 22 Nov 2024 19:17
Operator : JC\MD
Sample : P4845-21
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085016.D
Acq On : 22 Nov 2024 19:17
Operator : JC\MD
Sample : P4845-21
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-13-20241112DL	SDG No.:	P4845
Lab Sample ID:	P4845-21DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085040.D	5		11/26/24 14:08	VN112624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.50	UD	1.10	2.50	5.00	ug/L
74-87-3	Chloromethane	2.50	UD	1.80	2.50	5.00	ug/L
75-01-4	Vinyl Chloride	3.80	UD	1.70	3.80	5.00	ug/L
74-83-9	Bromomethane	18.8	UD	6.80	18.8	25.0	ug/L
75-00-3	Chloroethane	3.80	UD	2.80	3.80	5.00	ug/L
75-69-4	Trichlorofluoromethane	2.50	UD	1.70	2.50	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	UD	1.30	2.50	5.00	ug/L
75-35-4	1,1-Dichloroethene	3.80	UD	1.30	3.80	5.00	ug/L
67-64-1	Acetone	18.8	UD	7.00	18.8	25.0	ug/L
75-15-0	Carbon Disulfide	3.80	UD	1.60	3.80	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	2.50	UD	0.80	2.50	5.00	ug/L
79-20-9	Methyl Acetate	3.80	UD	3.00	3.80	5.00	ug/L
75-09-2	Methylene Chloride	2.50	UD	1.60	2.50	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	2.50	UD	1.30	2.50	5.00	ug/L
75-34-3	1,1-Dichloroethane	2.50	UD	1.20	2.50	5.00	ug/L
110-82-7	Cyclohexane	12.5	UD	8.10	12.5	25.0	ug/L
78-93-3	2-Butanone	12.5	UD	6.50	12.5	25.0	ug/L
56-23-5	Carbon Tetrachloride	2.50	UD	1.30	2.50	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	3.80	UD	1.30	3.80	5.00	ug/L
74-97-5	Bromochloromethane	2.50	UD	0.90	2.50	5.00	ug/L
67-66-3	Chloroform	2.50	UD	1.30	2.50	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	2.50	UD	0.95	2.50	5.00	ug/L
108-87-2	Methylcyclohexane	2.50	UD	0.95	2.50	5.00	ug/L
71-43-2	Benzene	2.50	UD	0.80	2.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	2.50	UD	1.20	2.50	5.00	ug/L
79-01-6	Trichloroethene	110	D	1.60	3.80	5.00	ug/L
78-87-5	1,2-Dichloropropane	2.50	UD	0.95	2.50	5.00	ug/L
75-27-4	Bromodichloromethane	2.50	UD	1.20	2.50	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	12.5	UD	3.80	12.5	25.0	ug/L
108-88-3	Toluene	2.50	UD	0.90	2.50	5.00	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-13-20241112DL	SDG No.:	P4845
Lab Sample ID:	P4845-21DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085040.D	5		11/26/24 14:08	VN112624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	2.50	UD	1.10	2.50	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	2.50	UD	0.90	2.50	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	2.50	UD	1.10	2.50	5.00	ug/L
591-78-6	2-Hexanone	12.5	UD	5.70	12.5	25.0	ug/L
124-48-1	Dibromochloromethane	2.50	UD	0.90	2.50	5.00	ug/L
106-93-4	1,2-Dibromoethane	2.50	UD	0.80	2.50	5.00	ug/L
127-18-4	Tetrachloroethene	2.50	UD	1.30	2.50	5.00	ug/L
108-90-7	Chlorobenzene	2.50	UD	0.65	2.50	5.00	ug/L
100-41-4	Ethyl Benzene	2.50	UD	0.80	2.50	5.00	ug/L
179601-23-1	m/p-Xylenes	5.00	UD	1.60	5.00	10.0	ug/L
95-47-6	o-Xylene	2.50	UD	0.70	2.50	5.00	ug/L
100-42-5	Styrene	2.50	UD	0.80	2.50	5.00	ug/L
75-25-2	Bromoform	2.50	UD	1.10	2.50	5.00	ug/L
98-82-8	Isopropylbenzene	2.50	UD	0.65	2.50	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.50	UD	1.40	2.50	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	2.50	UD	1.20	2.50	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	2.50	UD	1.40	2.50	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	2.50	UD	0.95	2.50	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	3.80	UD	2.30	3.80	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	2.50	UD	2.10	2.50	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	3.80	UD	2.60	3.80	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.0		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	47.0		89 - 112		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.9		85 - 114		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	148000	8.224				
540-36-3	1,4-Difluorobenzene	258000	9.1				
3114-55-4	Chlorobenzene-d5	226000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	94700	13.788				

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Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-13-20241112DL	SDG No.:	P4845
Lab Sample ID:	P4845-21DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085040.D	5		11/26/24 14:08	VN112624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085040.D
Acq On : 26 Nov 2024 14:08
Operator : JC\MD
Sample : P4845-21DL 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112DL

Quant Time: Nov 27 08:43:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

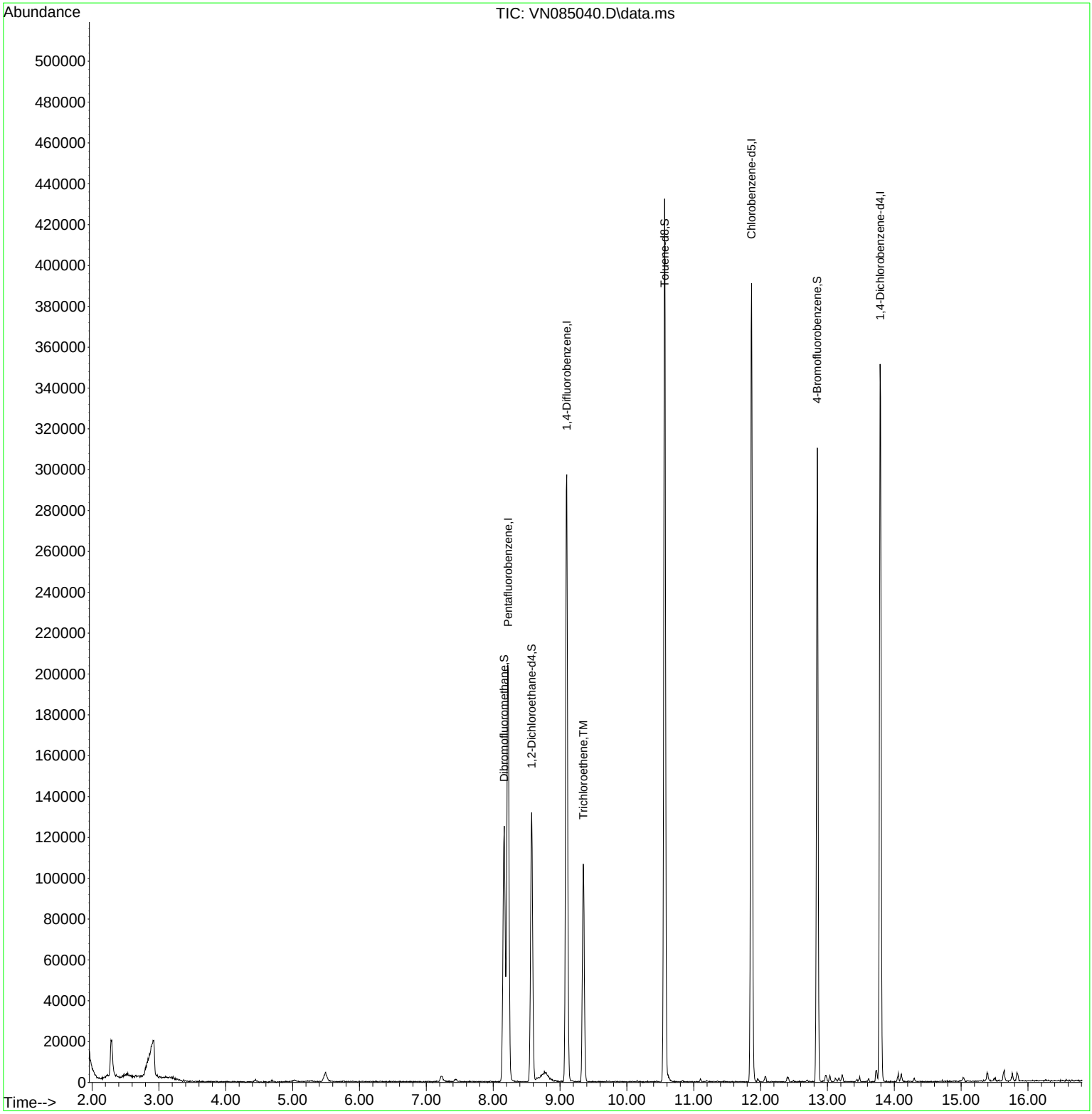
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	147741	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	257738	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	225864	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	94692	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	109334	51.953	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.900%			
35) Dibromofluoromethane	8.165	113	87308	50.232	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.460%			
50) Toluene-d8	10.565	98	293040	47.045	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.080%			
62) 4-Bromofluorobenzene	12.847	95	106814	45.854	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.700%			
Target Compounds						Qvalue
44) Trichloroethene	9.347	130	37327	21.571	ug/l	96

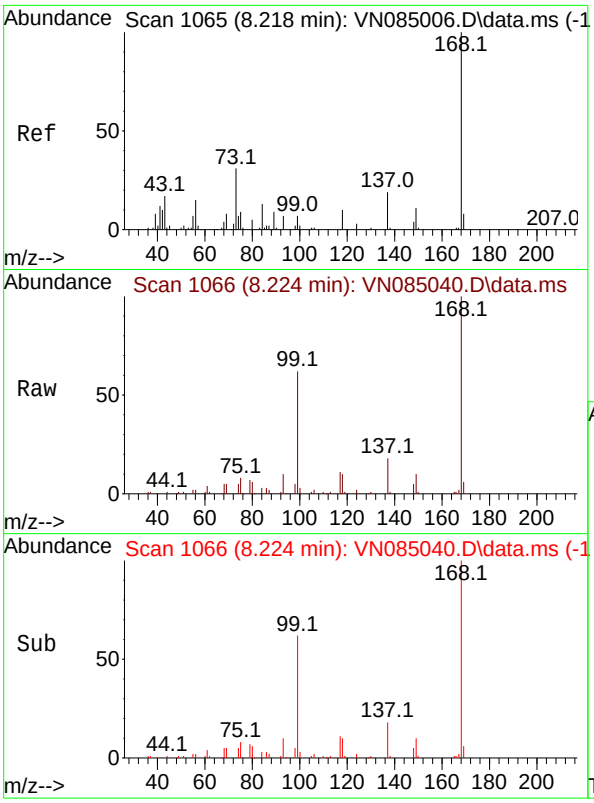
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085040.D
Acq On : 26 Nov 2024 14:08
Operator : JC\MD
Sample : P4845-21DL 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112DL

Quant Time: Nov 27 08:43:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



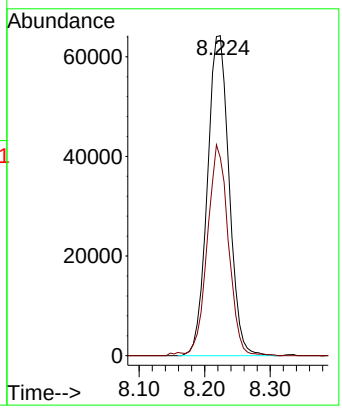


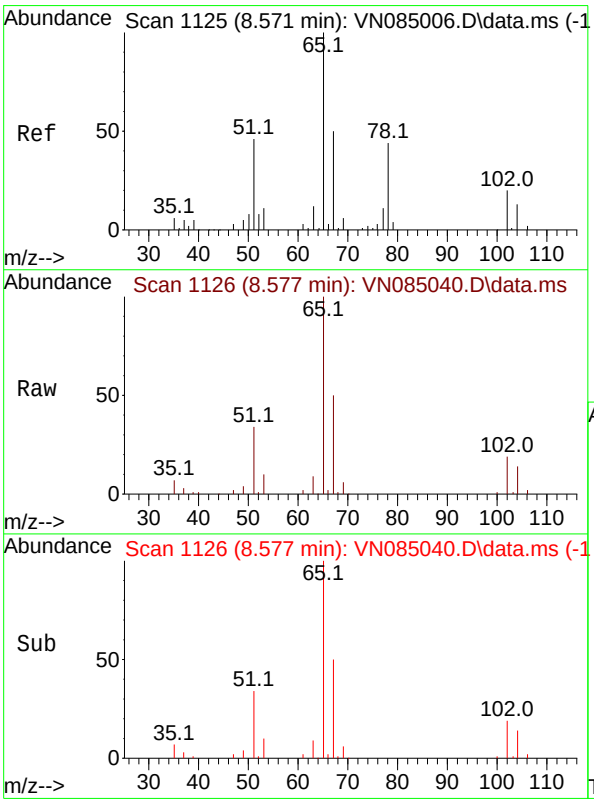
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085040.D
Acq: 26 Nov 2024 14:08

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112DL

Tgt Ion:168 Resp: 147741

Ion	Ratio	Lower	Upper
168	100		
99	61.9	51.2	76.8

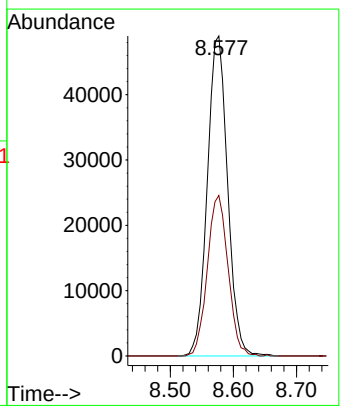


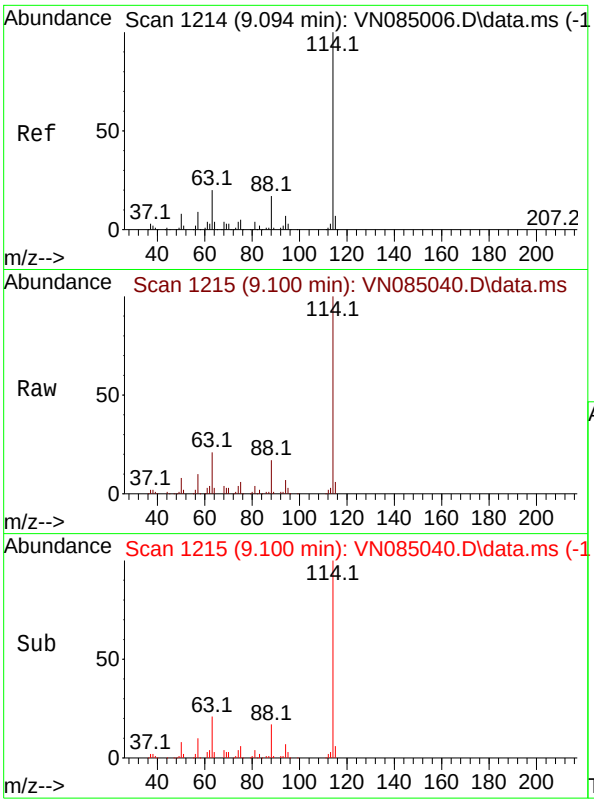


#33
1,2-Dichloroethane-d4
Concen: 51.953 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085040.D
Acq: 26 Nov 2024 14:08

Tgt Ion: 65 Resp: 109334

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	105.0



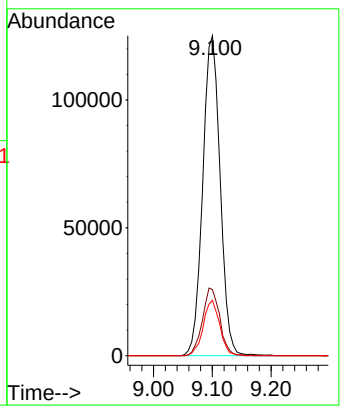


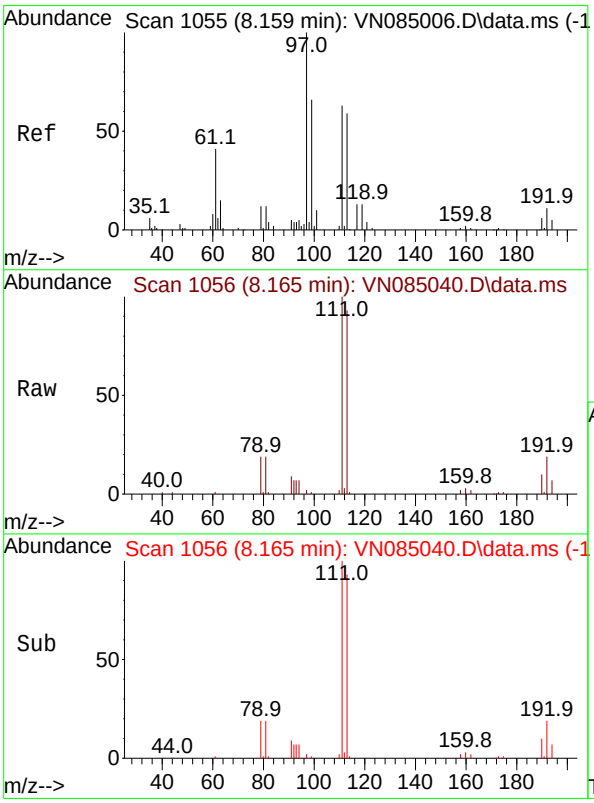
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085040.D
Acq: 26 Nov 2024 14:08

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112DL

Tgt Ion:114 Resp: 257738

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	41.0
88	17.3	0.0	34.8

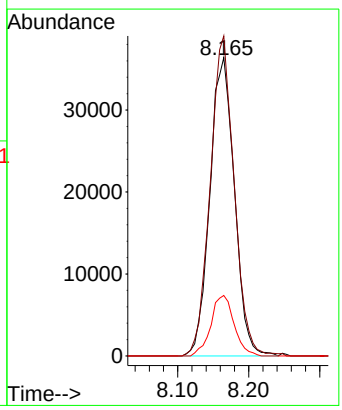


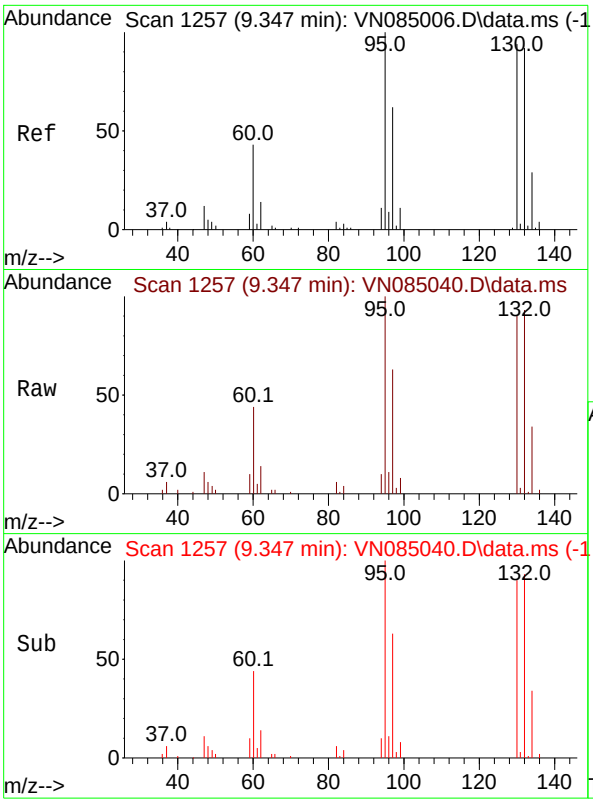


#35
Dibromofluoromethane
Concen: 50.232 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085040.D
Acq: 26 Nov 2024 14:08

Tgt Ion:113 Resp: 87308

Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.0	123.0
192	19.2	14.8	22.2



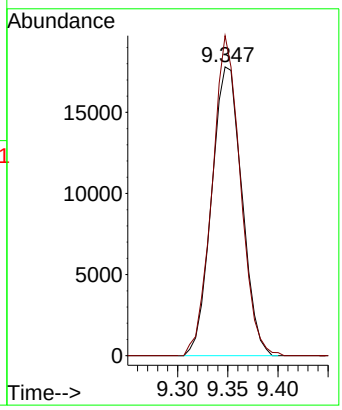


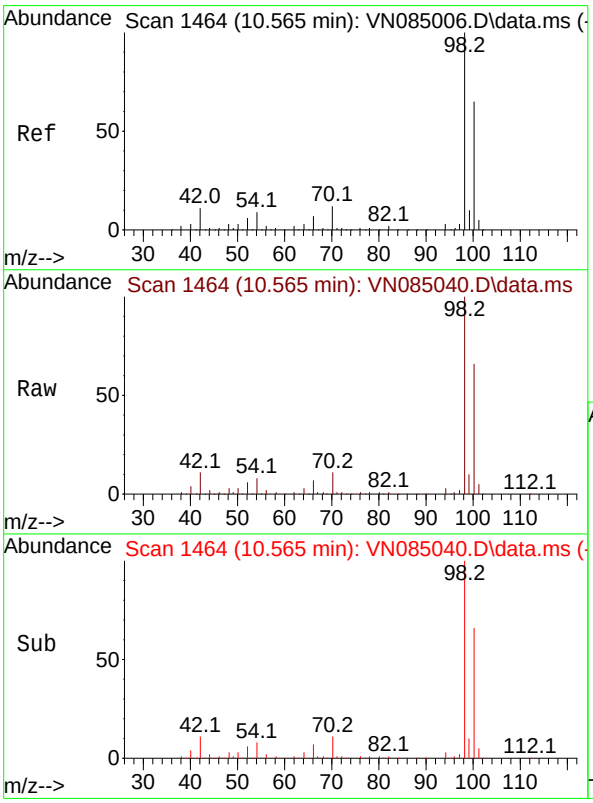
#44
Trichloroethene
Concen: 21.571 ug/l
RT: 9.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085040.D
Acq: 26 Nov 2024 14:08

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112DL

Tgt Ion:130 Resp: 37327

Ion	Ratio	Lower	Upper
130	100		
95	110.8	0.0	213.4

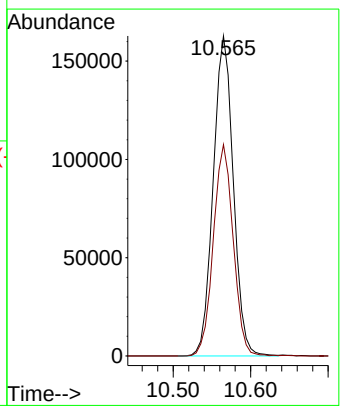


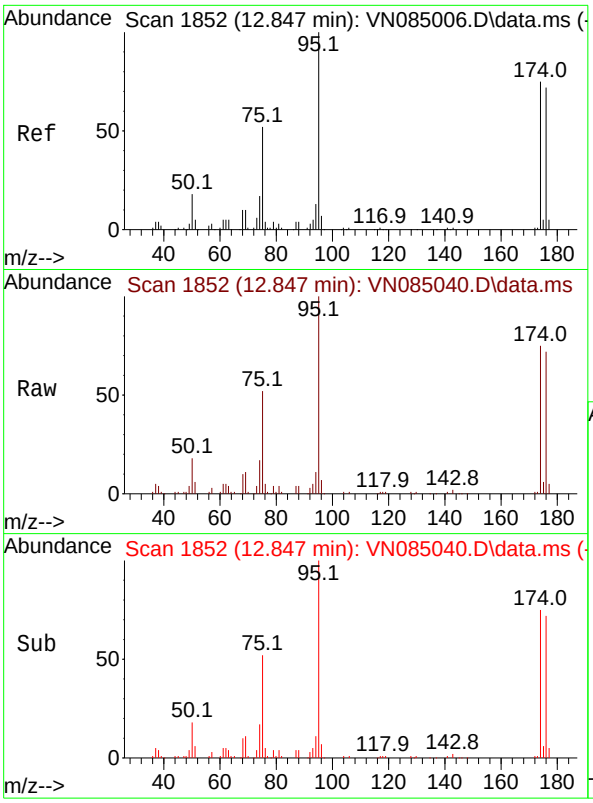


#50
Toluene-d8
Concen: 47.045 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085040.D
Acq: 26 Nov 2024 14:08

Tgt Ion: 98 Resp: 293040

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.5	78.7



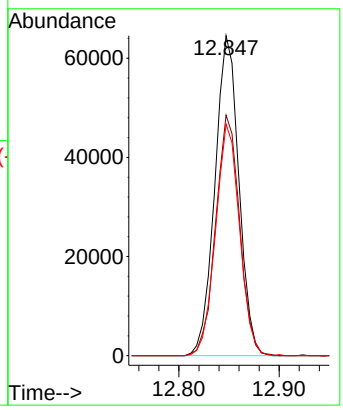


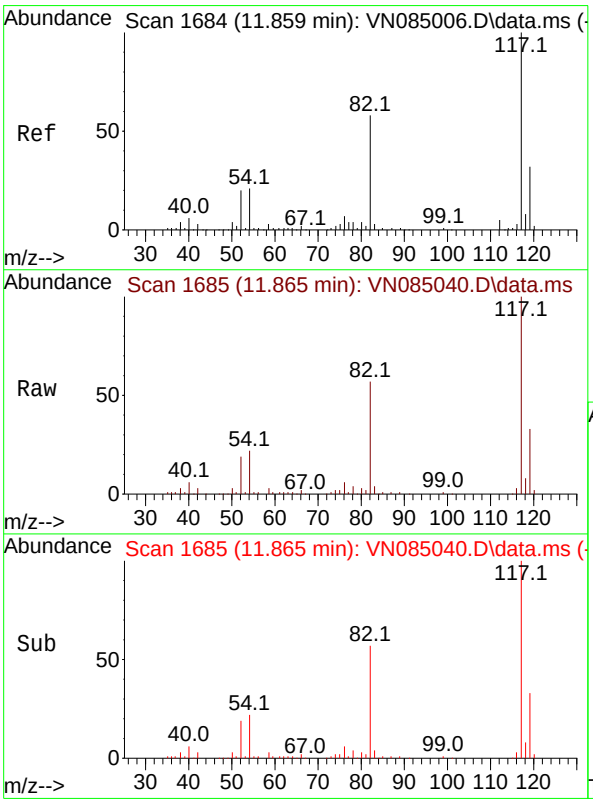
#62
4-Bromofluorobenzene
Concen: 45.854 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085040.D
Acq: 26 Nov 2024 14:08

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112DL

Tgt Ion: 95 Resp: 106814

Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	146.6
176	72.2	0.0	141.8

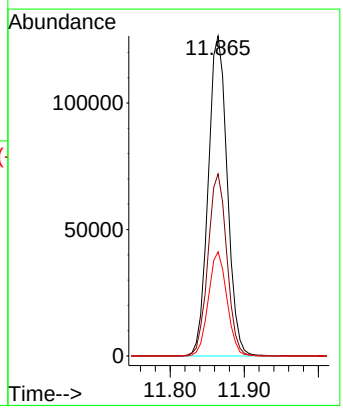


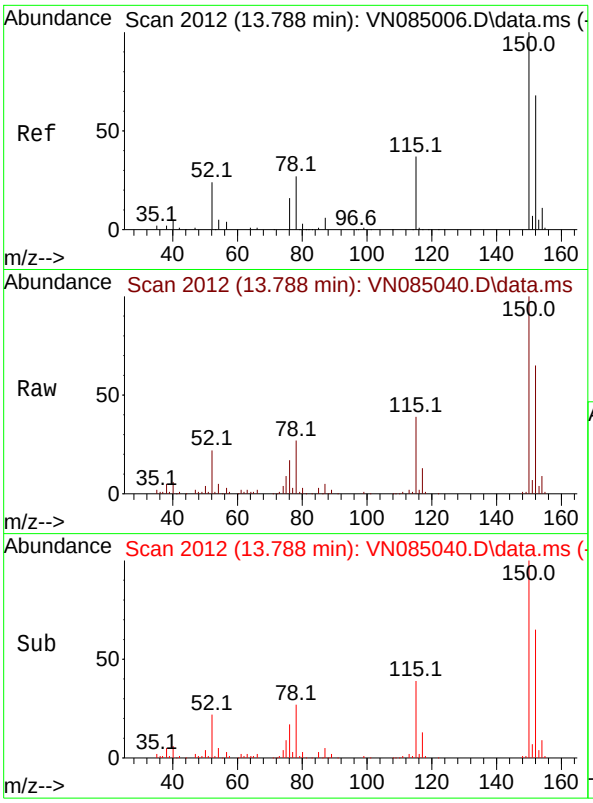


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085040.D
Acq: 26 Nov 2024 14:08

Tgt Ion:117 Resp: 225864

Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.0	69.0
119	32.5	25.6	38.4



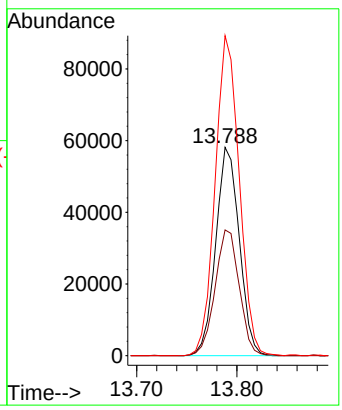


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085040.D
Acq: 26 Nov 2024 14:08

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112DL

Tgt Ion:152 Resp: 94692

Ion	Ratio	Lower	Upper
152	100		
115	62.0	31.7	95.1
150	157.1	0.0	351.4



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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-11R-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-22	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085041.D	1		11/26/24 14:32	VN112624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	4.60		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.94	J	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.70	J	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-11R-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-22	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085041.D	1		11/26/24 14:32	VN112624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.30	J	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.9		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	47.4		89 - 112		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.1		85 - 114		90%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	158000	8.224				
540-36-3	1,4-Difluorobenzene	275000	9.1				
3114-55-4	Chlorobenzene-d5	237000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	100000	13.794				
TENTATIVE IDENTIFIED COMPOUNDS							

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-11R-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-22	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085041.D	1		11/26/24 14:32	VN112624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	5.20	J			2.29	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085041.D
Acq On : 26 Nov 2024 14:32
Operator : JC\MD
Sample : P4845-22
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 27 08:34:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

Manual Integrations APPROVED

Reviewed By :John Carlone 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	157662	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	275299	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	237019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	100055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118735	52.870	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.740%			
35) Dibromofluoromethane	8.159	113	95126	51.239	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.480%			
50) Toluene-d8	10.565	98	315562	47.429	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.860%			
62) 4-Bromofluorobenzene	12.847	95	112193	45.091	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.180%			
Target Compounds						Qvalue
16) Acetone	4.447	43	2511	3.839	ug/l #	77
30) Chloroform	7.953	83	3384	0.936	ug/l #	71
38) Carbon Tetrachloride	8.359	117	13318	4.588	ug/l	90
44) Trichloroethene	9.353	130	1300	0.703	ug/l	70
87) 1,3-Dichlorobenzene	13.729	146	766	0.204	ug/l	93
88) 1,4-Dichlorobenzene	13.806	146	1126m	0.295	ug/l	
93) 1,2,4-Trichlorobenzene	15.394	180	715	0.367	ug/l #	80
95) Naphthalene	15.641	128	1921	0.346	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.847	180	901	0.484	ug/l	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085041.D
Acq On : 26 Nov 2024 14:32
Operator : JC\MD
Sample : P4845-22
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 27 08:34:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

Manual Integrations APPROVED

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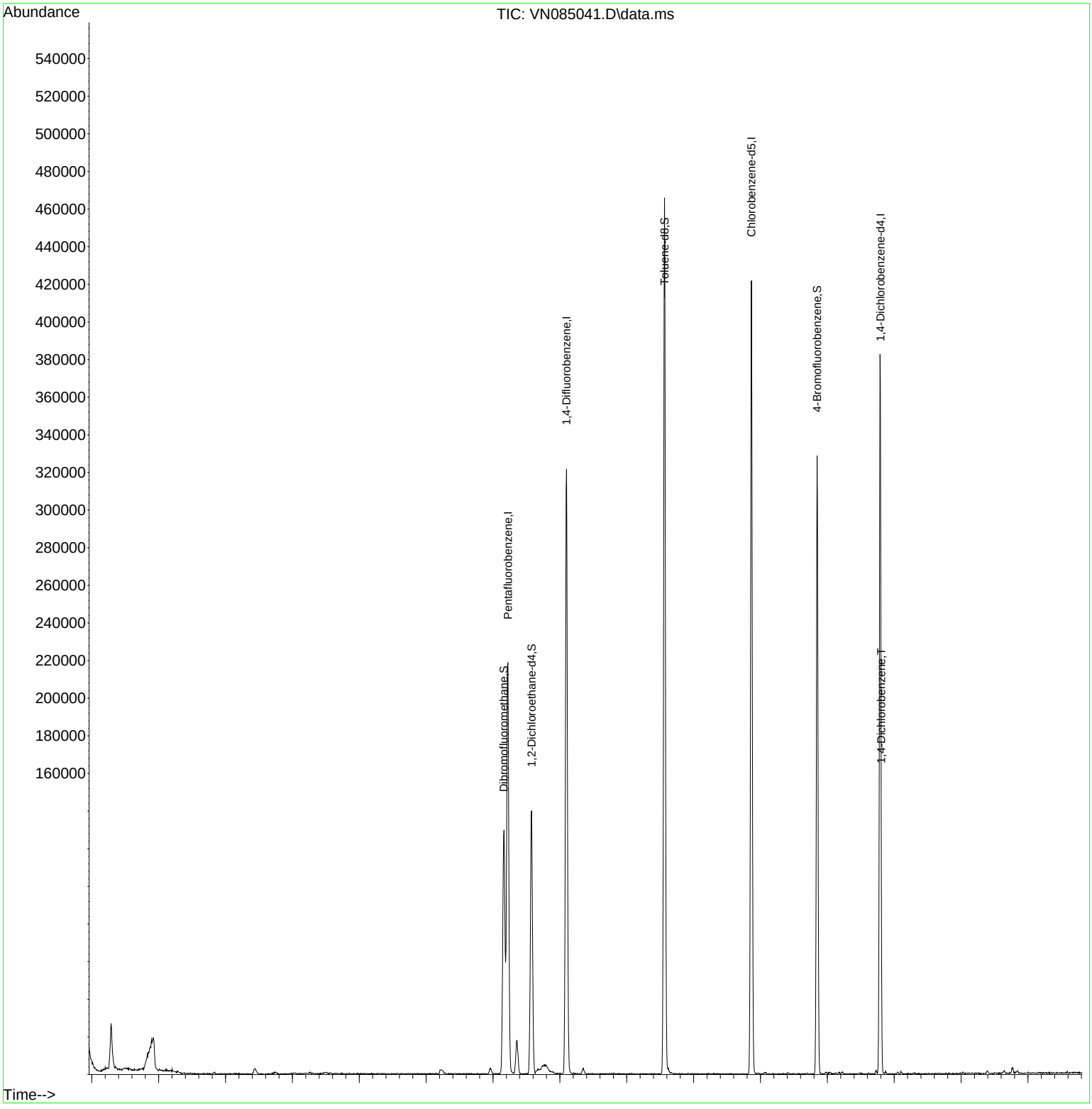
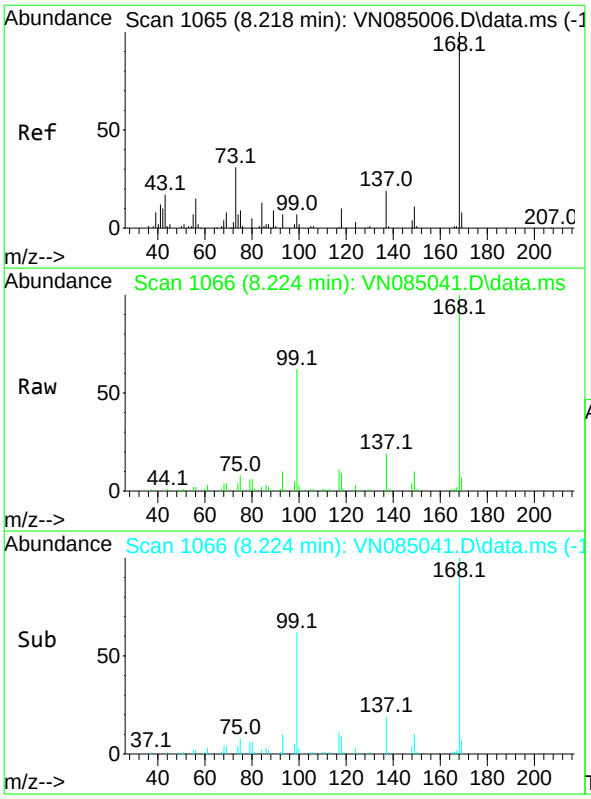
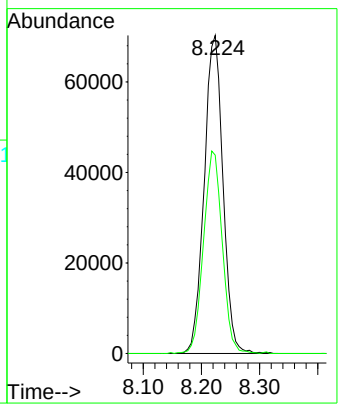




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion:168 Resp: 157662

Ion	Ratio	Lower	Upper
168	100		
99	62.4	51.2	76.8



Instrument :
MSVOA_N
ClientSampleId :
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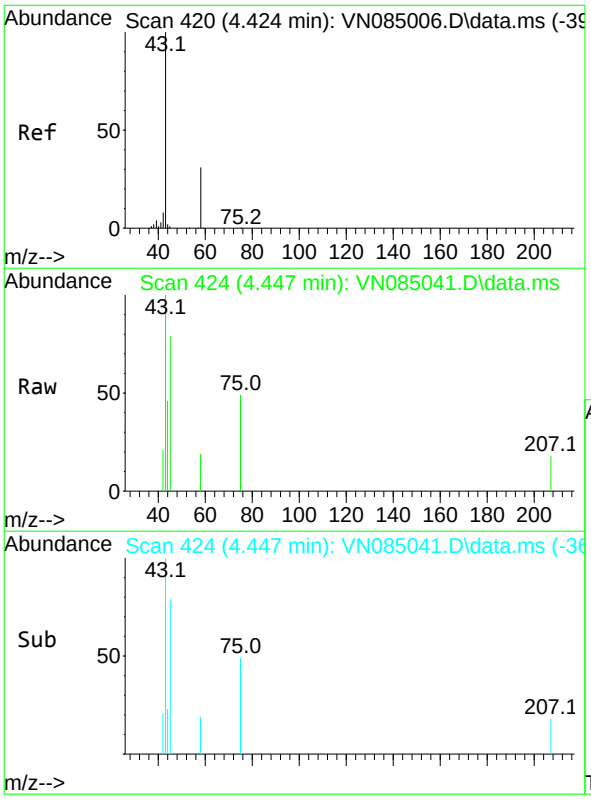
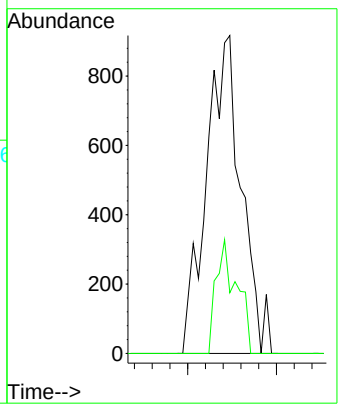
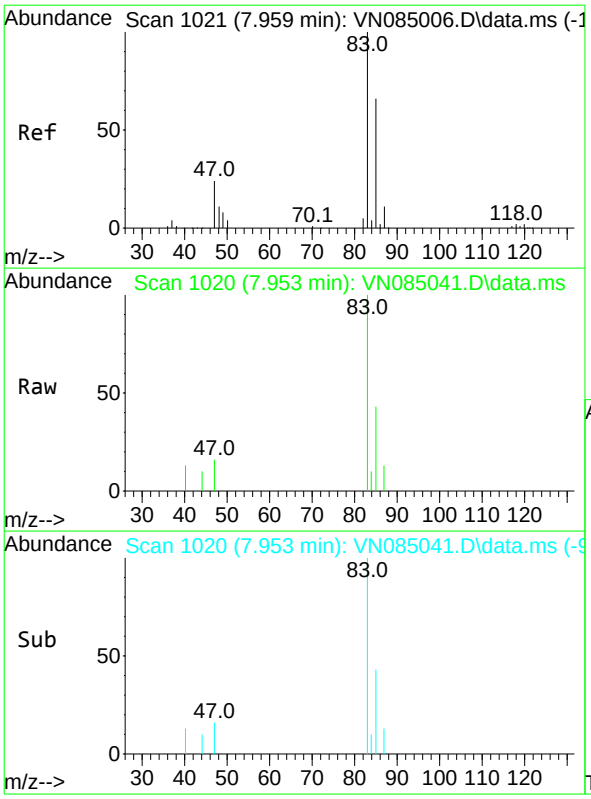


#16
Acetone
Concen: 3.839 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.023 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion: 43 Resp: 2511

Ion	Ratio	Lower	Upper
43	100		
58	19.1	25.4	38.2#

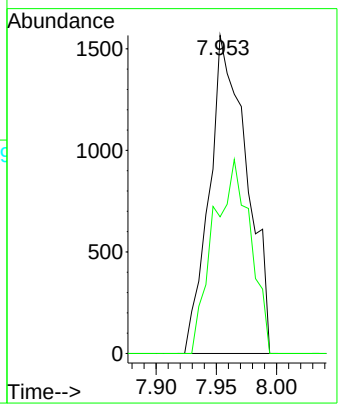




#30
Chloroform
Concen: 0.936 ug/l
RT: 7.953 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion: 83 Resp: 3384

Ion	Ratio	Lower	Upper
83	100		
85	43.0	52.6	78.8#



Instrument :
MSVOA_N
ClientSampleId :
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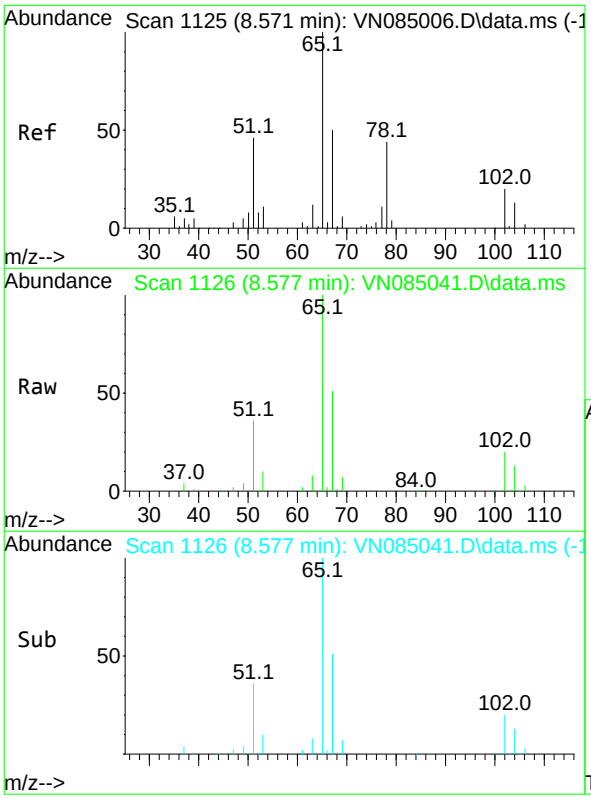
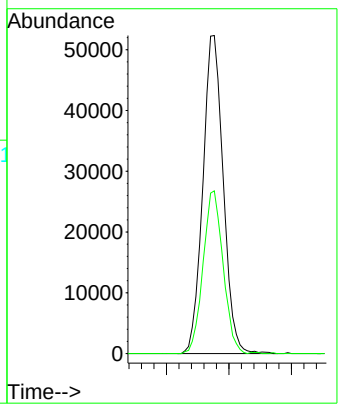
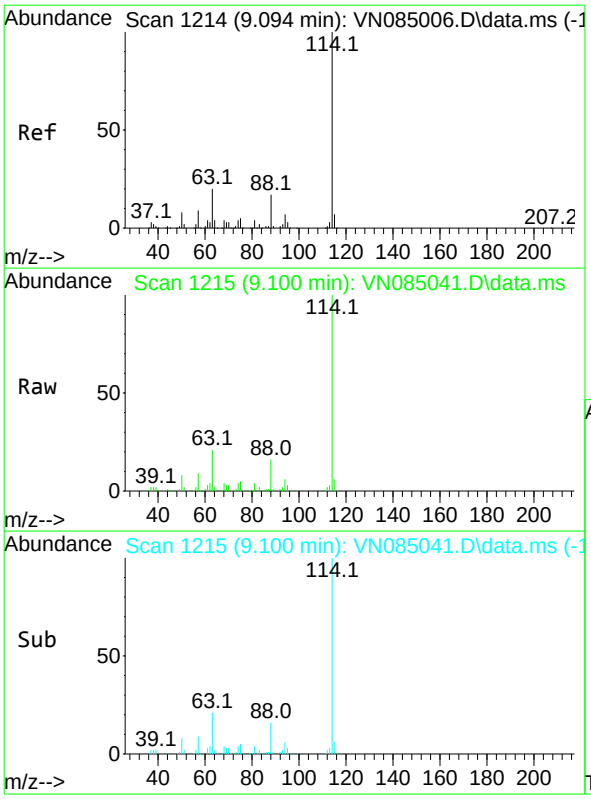


#33
1,2-Dichloroethane-d4
Concen: 52.870 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion: 65 Resp: 118735

Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	105.0

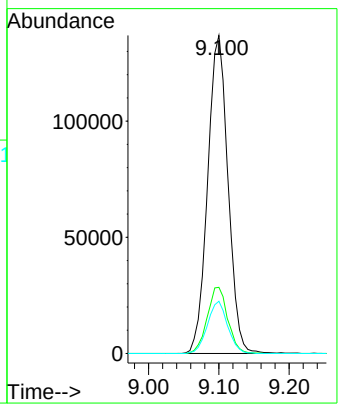




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion:114 Resp: 275299

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	41.0
88	16.4	0.0	34.8



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

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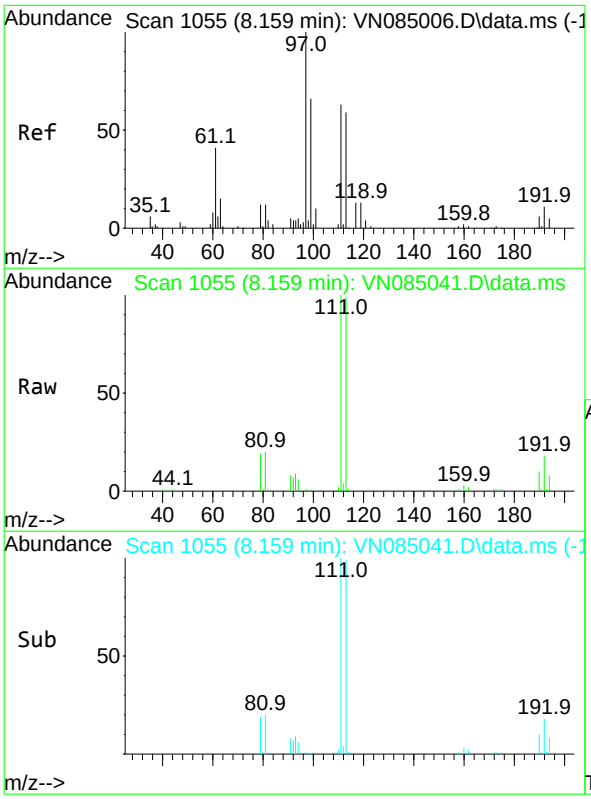
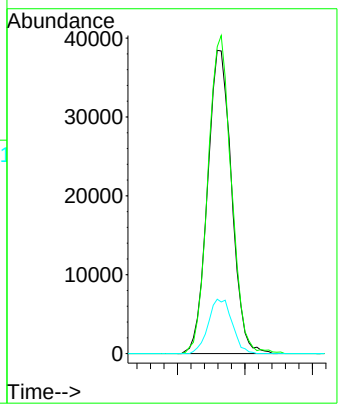
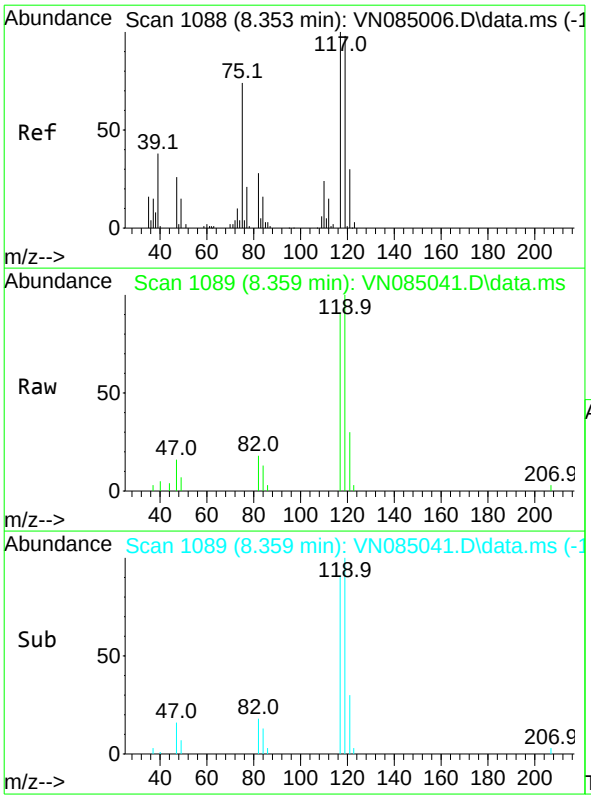


#35
Dibromofluoromethane
Concen: 51.239 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion:113 Resp: 95126

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.0	123.0
192	17.8	14.8	22.2





#38
Carbon Tetrachloride
Concen: 4.588 ug/l
RT: 8.359 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion:117 Resp: 13318

Ion	Ratio	Lower	Upper
117	100		
119	109.7	78.6	117.8
121	32.9	24.2	36.2

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

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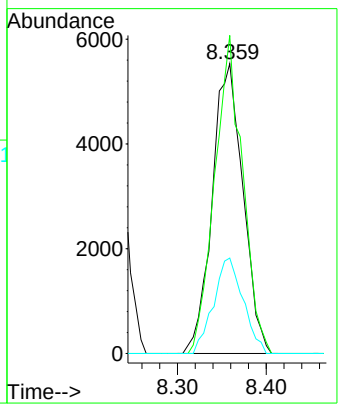
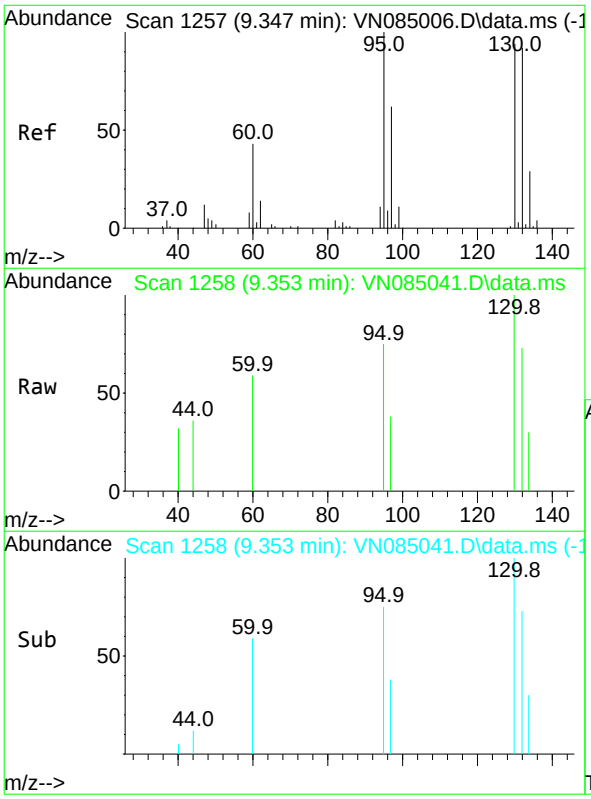
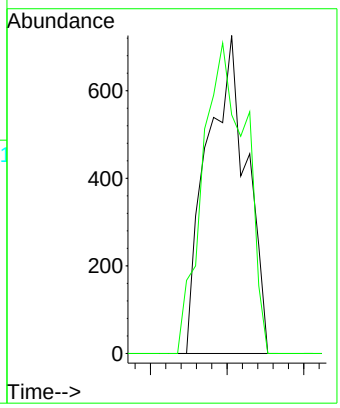


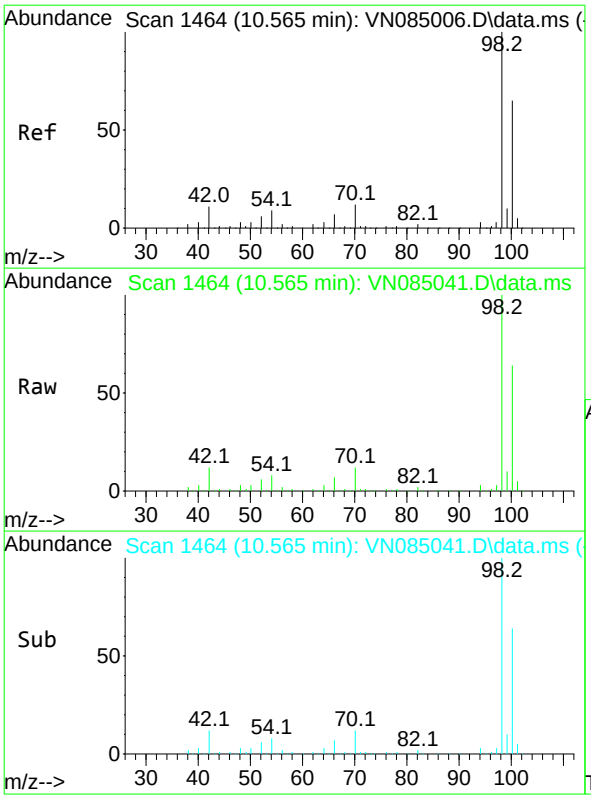


#44
Trichloroethene
Concen: 0.703 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion:130 Resp: 1300

Ion	Ratio	Lower	Upper
130	100		
95	75.1	0.0	213.4

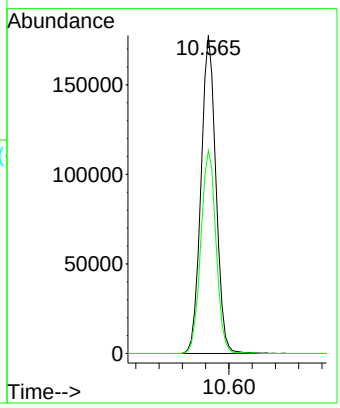




#50
Toluene-d8
Concen: 47.429 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion: 98 Resp: 315562

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.5	78.7



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

Manual Integrations
APPROVED

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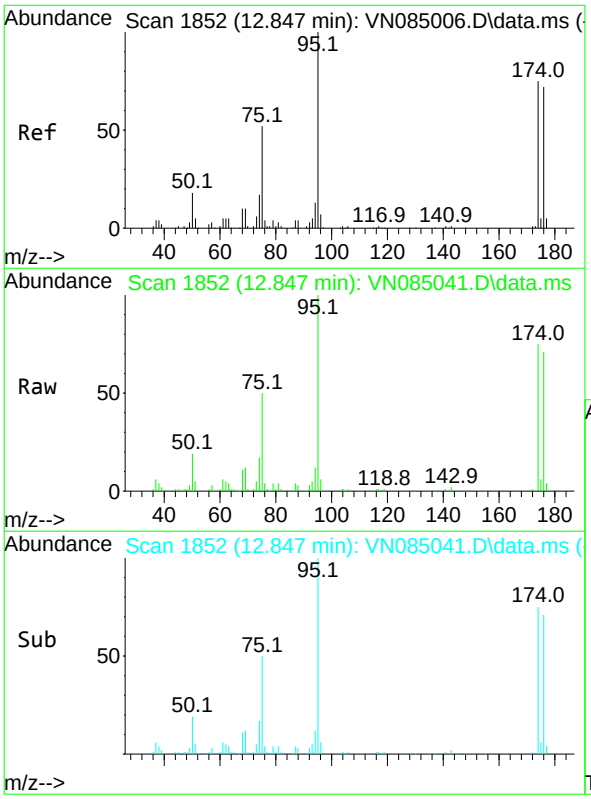
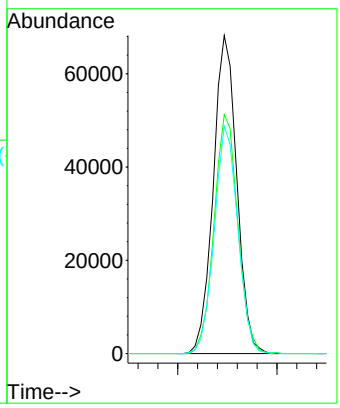
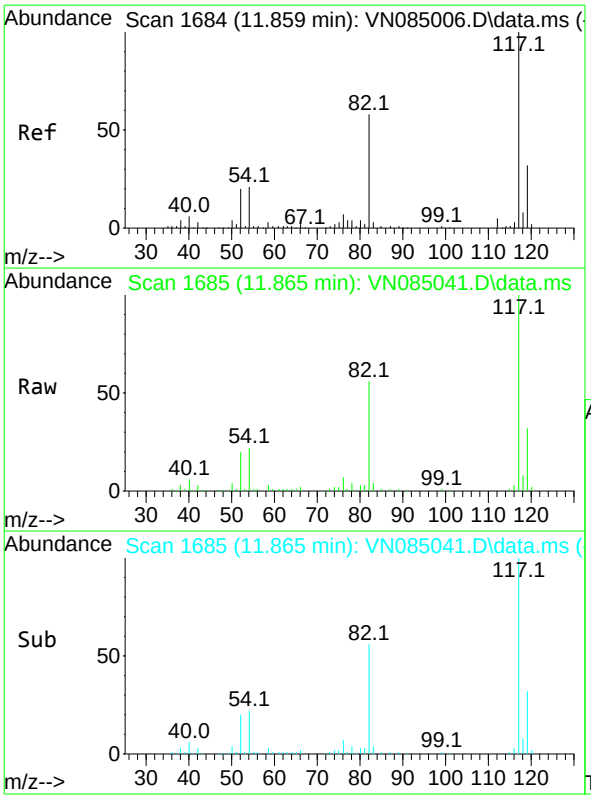


#62
4-Bromofluorobenzene
Concen: 45.091 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion: 95 Resp: 112193

Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	146.6
176	71.7	0.0	141.8

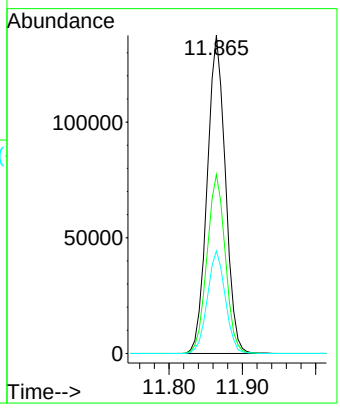




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion:117 Resp: 237019

Ion	Ratio	Lower	Upper
117	100		
82	56.3	46.0	69.0
119	32.3	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

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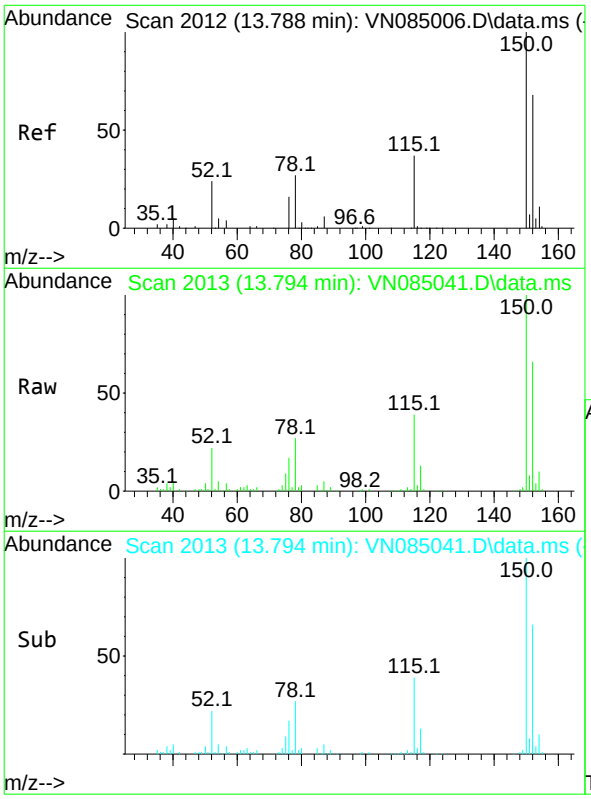
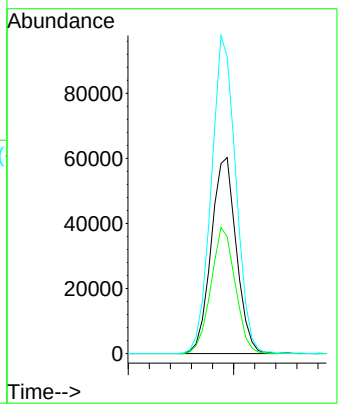
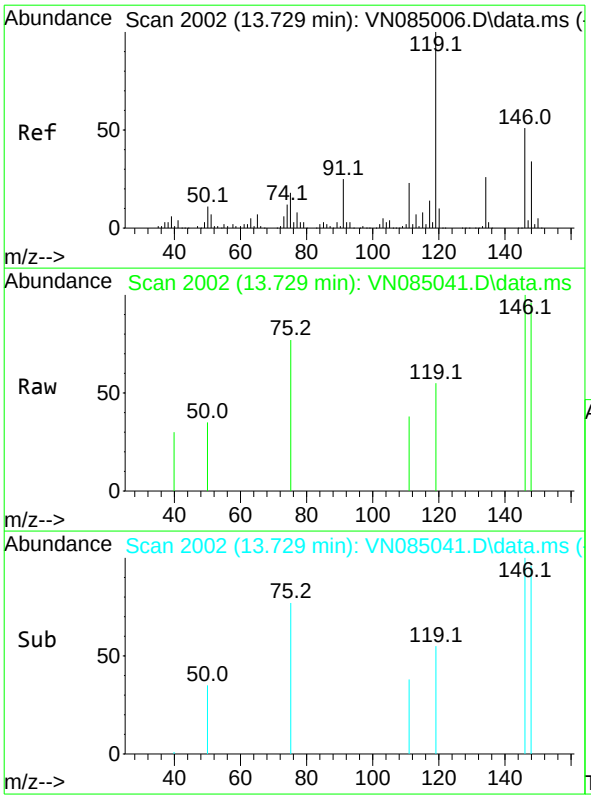


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion:152 Resp: 100055

Ion	Ratio	Lower	Upper
152	100		
115	62.1	31.7	95.1
150	157.9	0.0	351.4

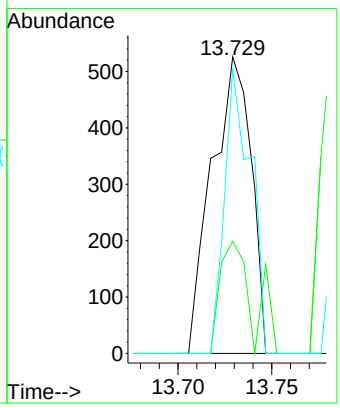




#87
1,3-Dichlorobenzene
Concen: 0.204 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion:146 Resp: 766

Ion	Ratio	Lower	Upper
146	100		
111	31.5	21.6	65.0
148	64.4	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

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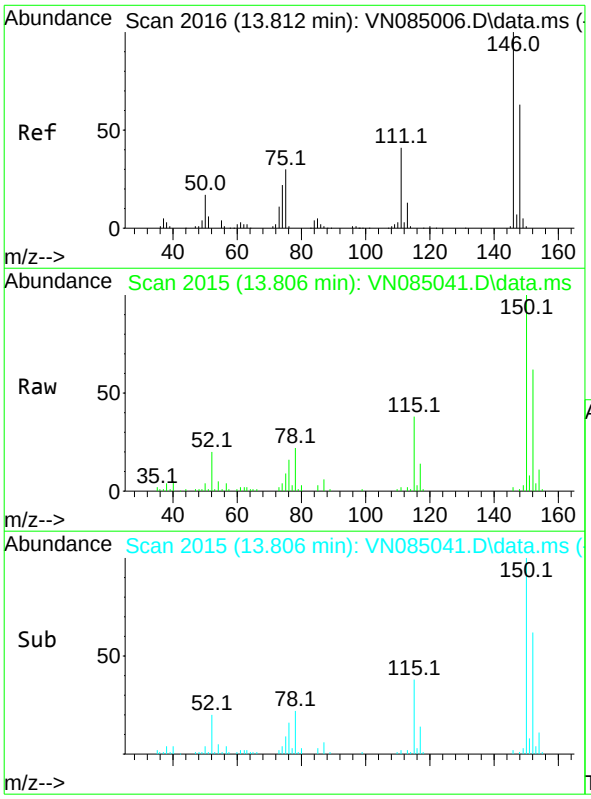
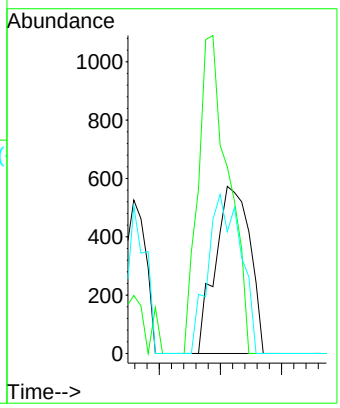
Reviewed By :John Carlone 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

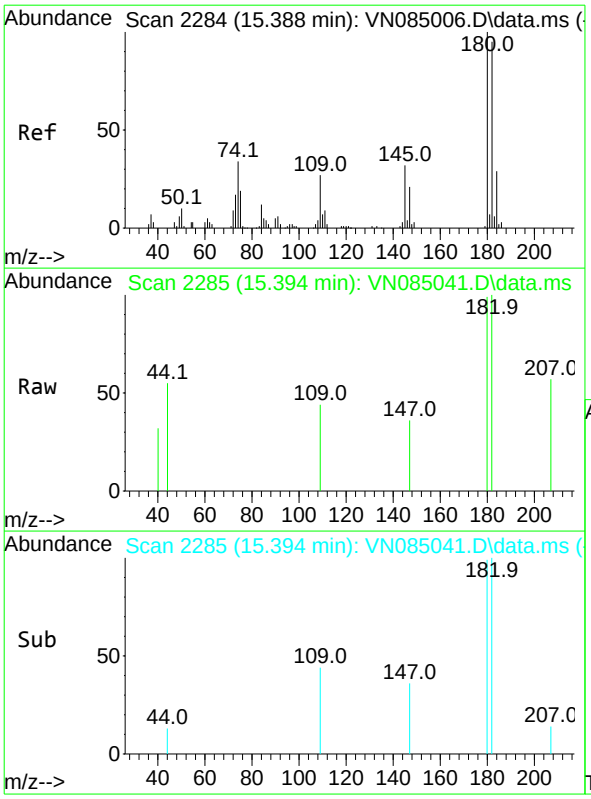


#88
1,4-Dichlorobenzene
Concen: 0.295 ug/l m
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion:146 Resp: 1126

Ion	Ratio	Lower	Upper
146	100		
111	21.4	20.9	62.8
148	43.8	31.3	93.9

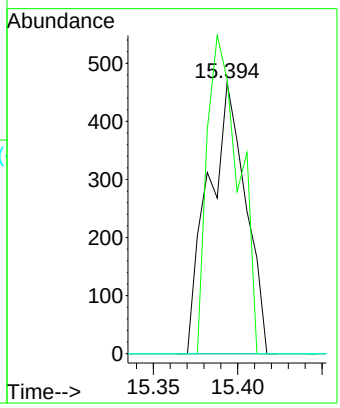




#93
1,2,4-Trichlorobenzene
Concen: 0.367 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion:180 Resp: 715

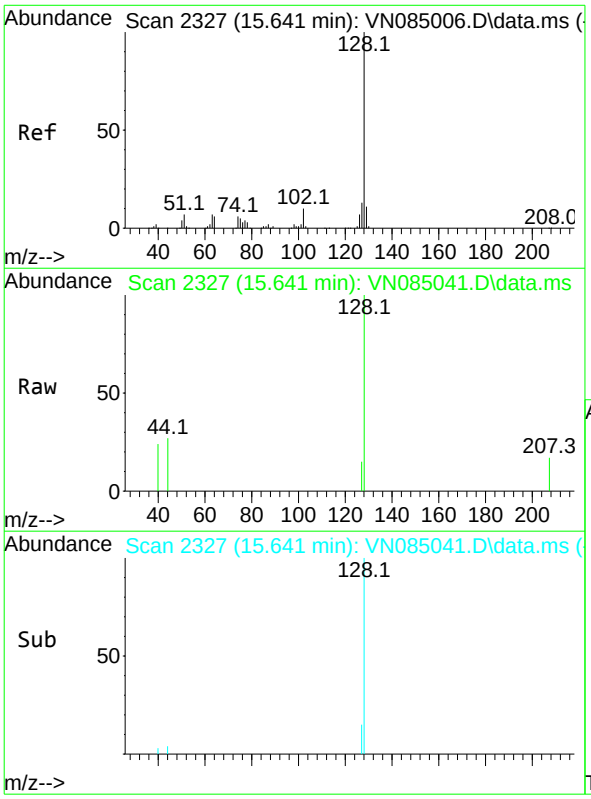
Ion	Ratio	Lower	Upper
180	100		
182	100.3	46.9	140.8
145	0.0	16.3	48.8#



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

Manual Integrations
APPROVED

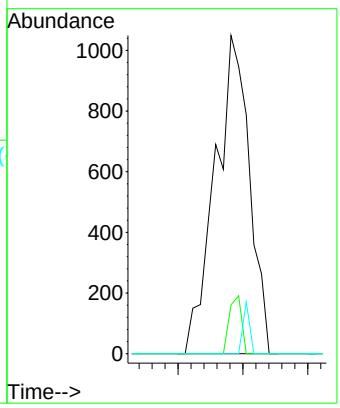
Reviewed By :John Carlone 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

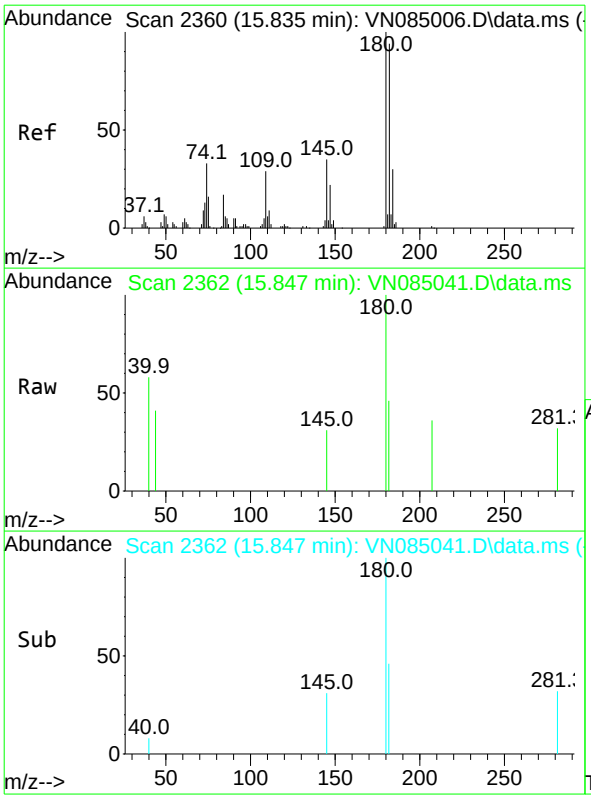


#95
Naphthalene
Concen: 0.346 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion:128 Resp: 1921

Ion	Ratio	Lower	Upper
128	100		
127	6.5	10.6	16.0#
129	3.1	8.6	12.8#

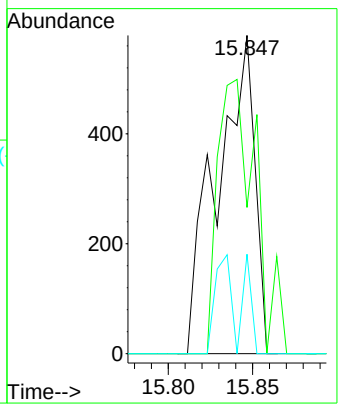




#96
1,2,3-Trichlorobenzene
Concen: 0.484 ug/l
RT: 15.847 min Scan# 23
Delta R.T. 0.012 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion:180 Resp: 901

Ion	Ratio	Lower	Upper
180	100		
182	87.1	46.4	139.2
145	20.2	17.3	52.0



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

Sample Results: **VN085041.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085041.D
Acq On : 26 Nov 2024 14:32
Operator : JC\MD
Sample : P4845-22
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Title : SW846 8260

Signal : TIC: VN085041.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.289	50	57	67	rBV3	23918	51233	6.14%	1.109%
2	2.848	140	152	153	rBV6	9312	25264	3.03%	0.547%
3	8.165	1045	1056	1060	rBV	129786	312135	37.41%	6.755%
4	8.224	1060	1066	1080	rVV	218344	494515	59.27%	10.701%
5	8.353	1082	1088	1098	rVB3	17749	41634	4.99%	0.901%
6	8.577	1117	1126	1135	rBV	139933	312379	37.44%	6.760%
7	9.100	1204	1215	1230	rVB	321603	651488	78.09%	14.098%
8	10.565	1455	1464	1473	rBV	465560	834287	100.00%	18.054%
9	11.865	1675	1685	1697	rBV	421671	729458	87.43%	15.785%
10	12.847	1844	1852	1864	rBV	328684	542495	65.02%	11.739%
11	13.788	2005	2012	2023	rBV	382328	626224	75.06%	13.551%

Sum of corrected areas: 4621112

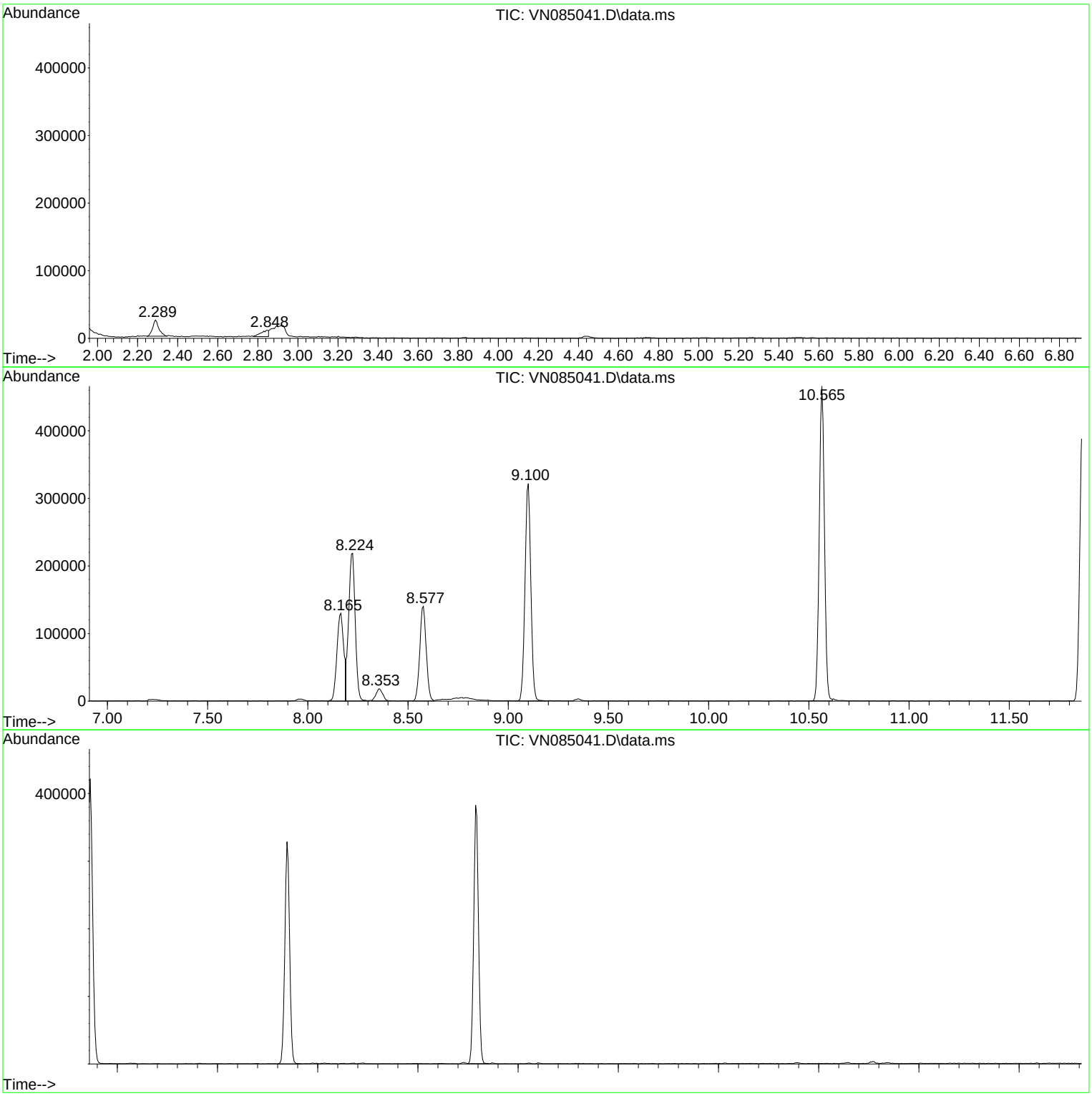
Sample Results: **VN085041.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085041.D
Acq On : 26 Nov 2024 14:32
Operator : JC\MD
Sample : P4845-22
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085041.D
Acq On : 26 Nov 2024 14:32
Operator : JC\MD
Sample : P4845-22
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

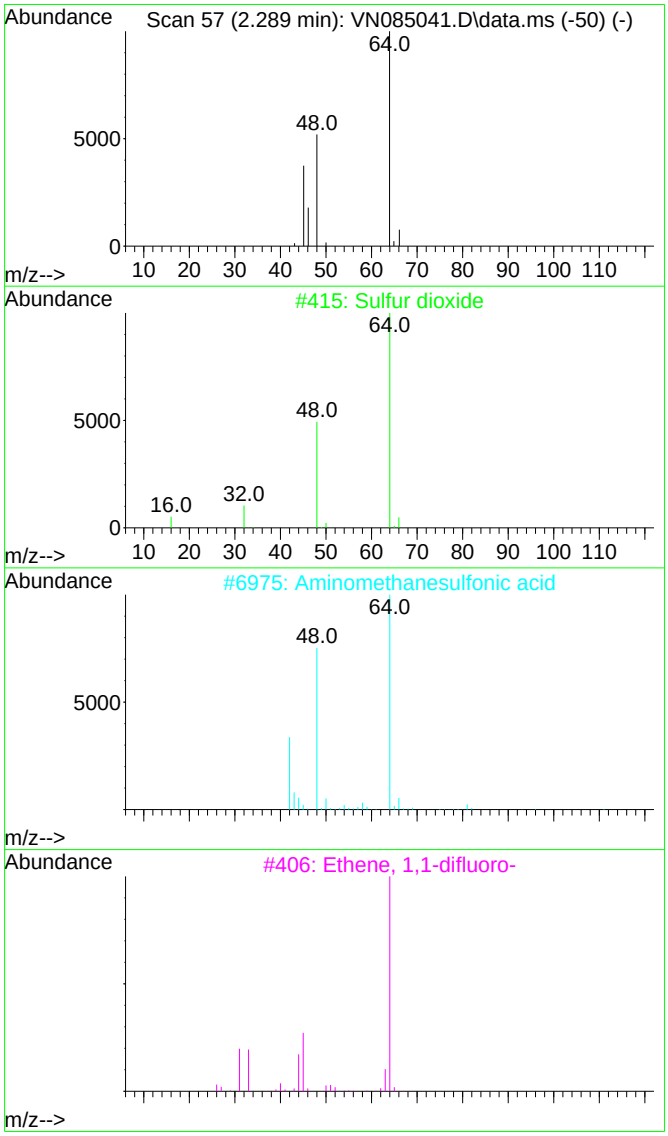
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

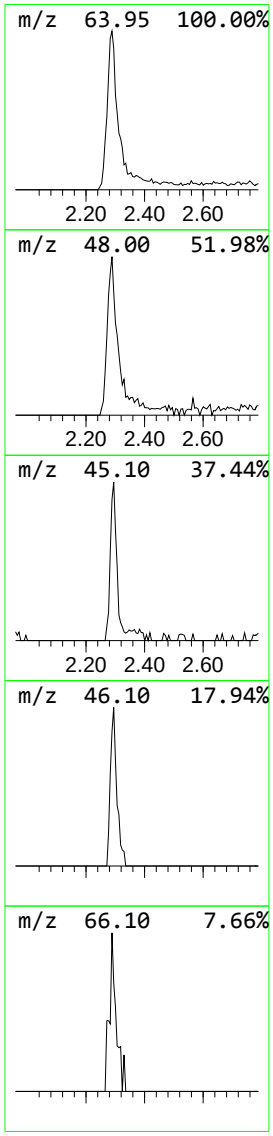
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.289	5.18 ug/l	51233	Pentafluorobenzene	8.224

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	64
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	43
3	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	9
4	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
5	Ethene, 1,2-difluoro-	64	C2H2F2	001691-13-0	7





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085041.D
Acq On : 26 Nov 2024 14:32
Operator : JC\MD
Sample : P4845-22
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	2.289	5.2	ug/l	51233	1	8.224	494515	50.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-18-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-23	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085018.D	1		11/22/24 20:05	VN112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	2.90	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	43.6		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-18-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-23	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085018.D	1		11/22/24 20:05	VN112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	UQ	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	1.20		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.7		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	47.6		89 - 112		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.0		85 - 114		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	170000	8.218				
540-36-3	1,4-Difluorobenzene	302000	9.094				
3114-55-4	Chlorobenzene-d5	265000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	117000	13.788				

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-18-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-23	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085018.D	1		11/22/24 20:05	VN112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085018.D
Acq On : 22 Nov 2024 20:05
Operator : JC\MD
Sample : P4845-23
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 23 03:26:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-20241112

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	169757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	301590	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	265028	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	117323	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	124950	51.674	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.340%			
35) Dibromofluoromethane	8.159	113	99028	48.691	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.380%			
50) Toluene-d8	10.565	98	346771	47.576	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.160%			
62) 4-Bromofluorobenzene	12.847	95	127974	46.950	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.900%			
Target Compounds						Qvalue
16) Acetone	4.430	43	2023m	2.873	ug/l	
44) Trichloroethene	9.347	130	88308	43.613	ug/l	90
64) Tetrachloroethene	11.100	164	2087	1.169	ug/l #	87
93) 1,2,4-Trichlorobenzene	15.400	180	581	0.254	ug/l	92
95) Naphthalene	15.647	128	1736	0.267	ug/l #	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

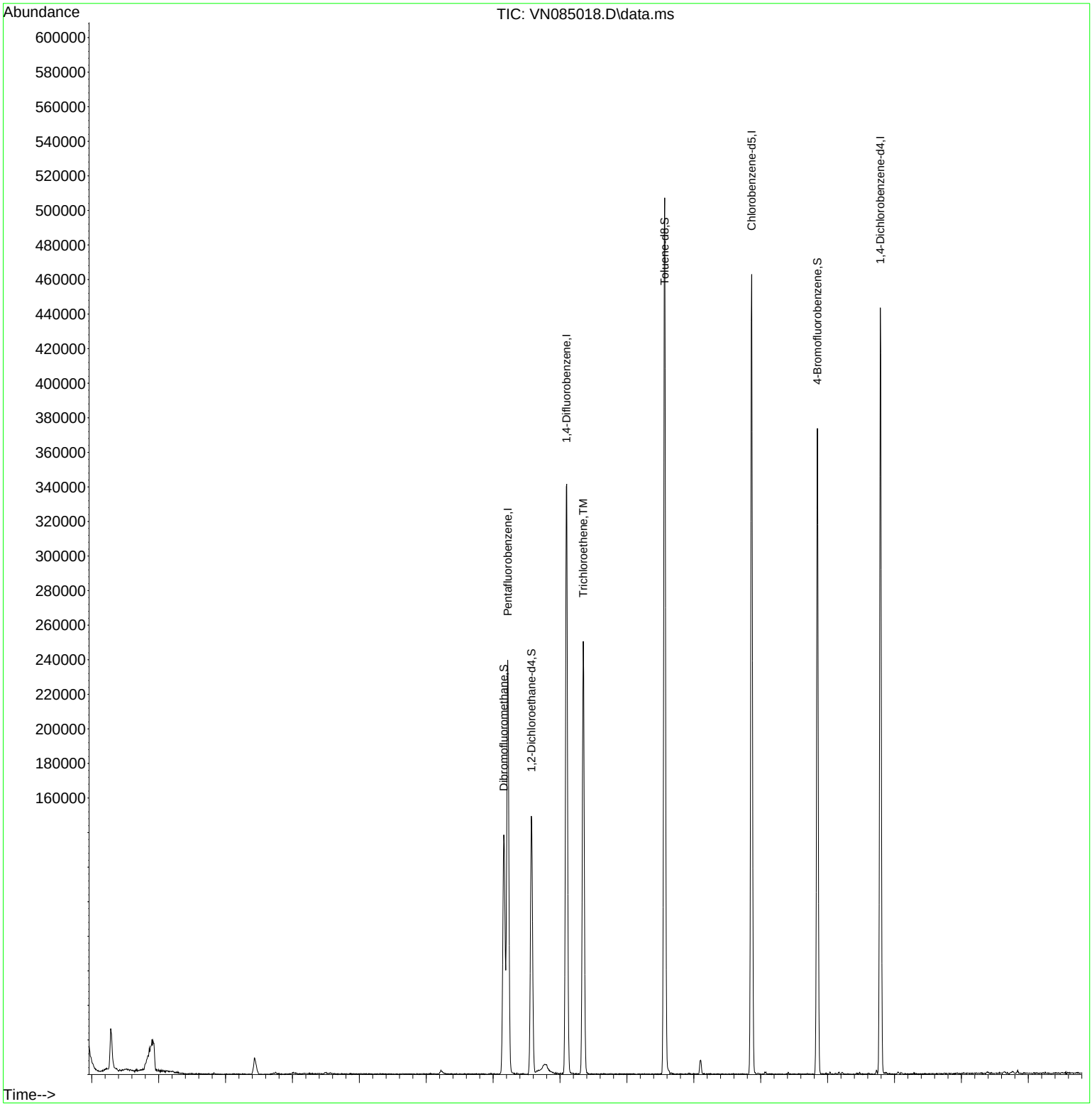
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085018.D
Acq On : 22 Nov 2024 20:05
Operator : JC\MD
Sample : P4845-23
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

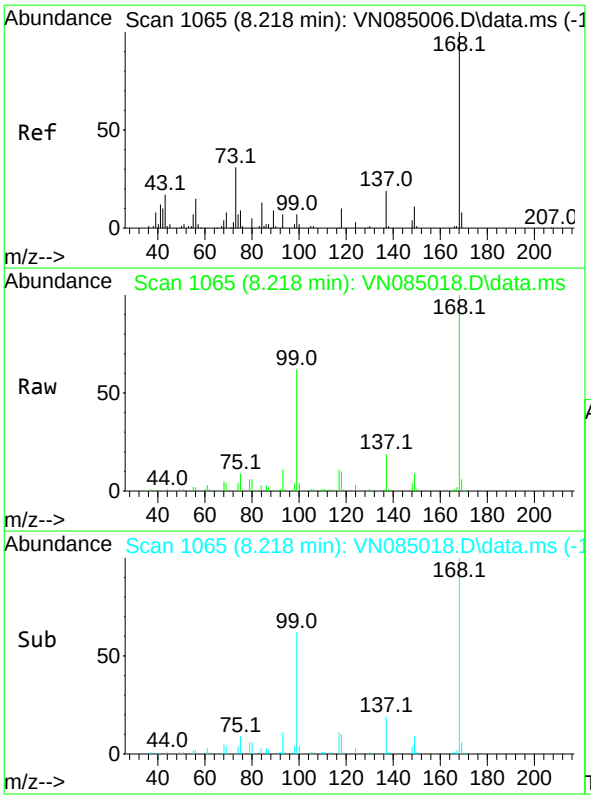
Quant Time: Nov 23 03:26:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-20241112

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

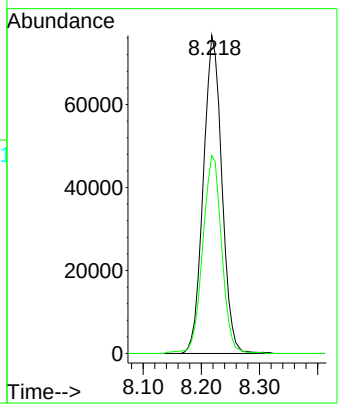




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Tgt Ion:168 Resp: 169757

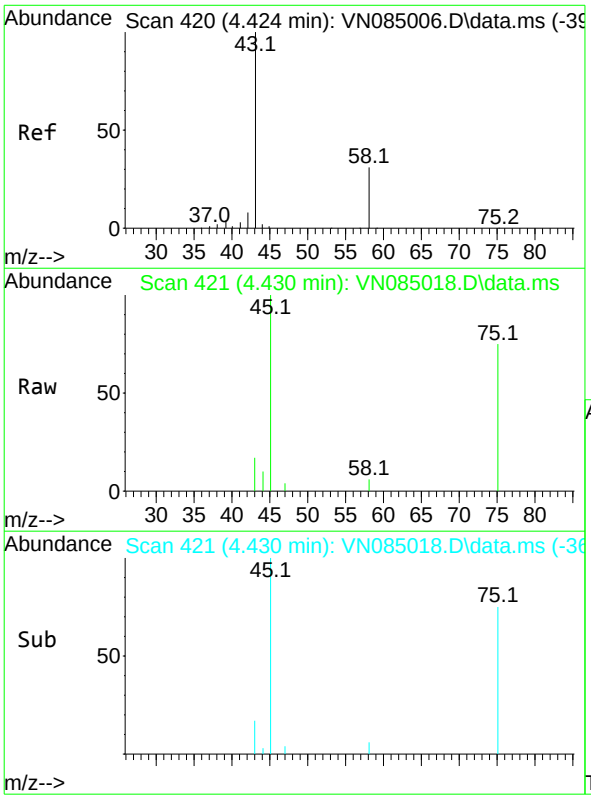
Ion	Ratio	Lower	Upper
168	100		
99	62.2	51.2	76.8



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-20241112

Manual Integrations APPROVED

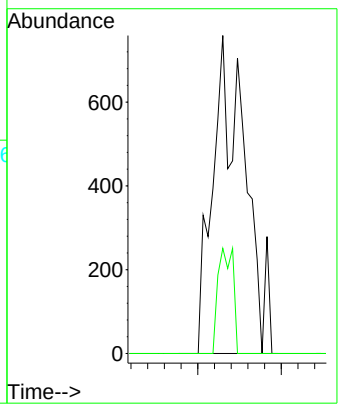
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

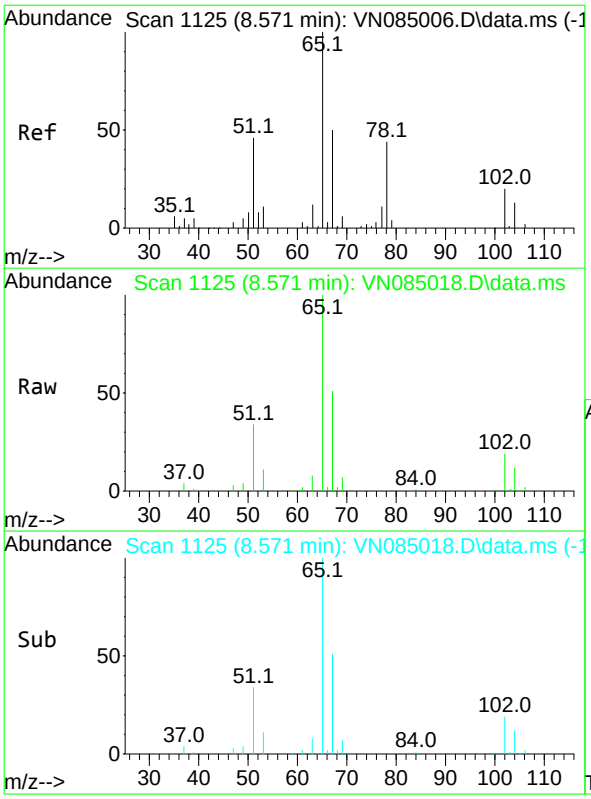


#16
Acetone
Concen: 2.873 ug/l m
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Tgt Ion: 43 Resp: 2023

Ion	Ratio	Lower	Upper
43	100		
58	33.1	25.4	38.2

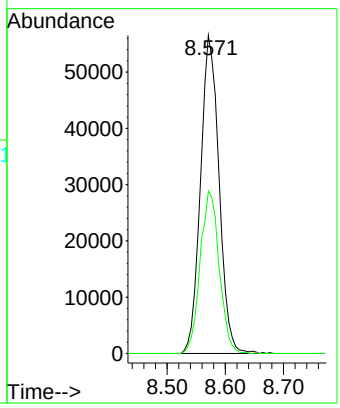




#33
1,2-Dichloroethane-d4
Concen: 51.674 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Tgt Ion: 65 Resp: 124950

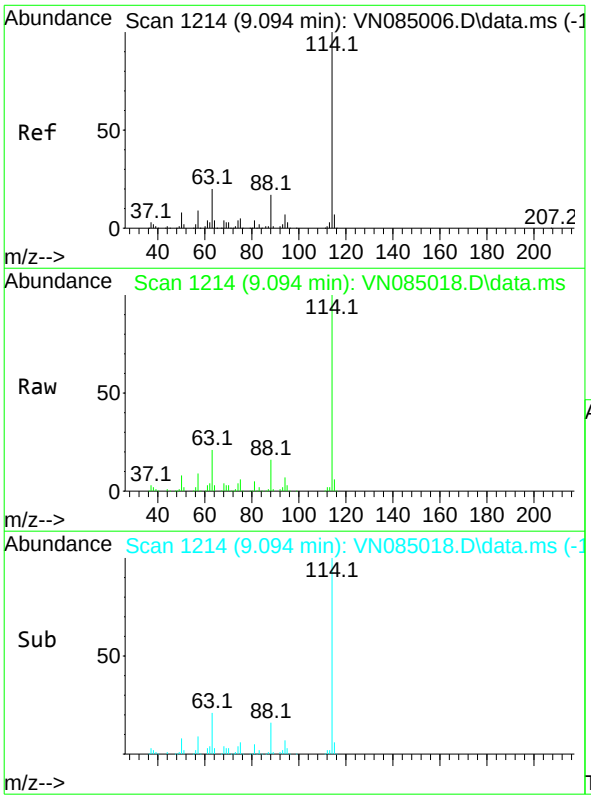
Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	105.0



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-20241112

Manual Integrations APPROVED

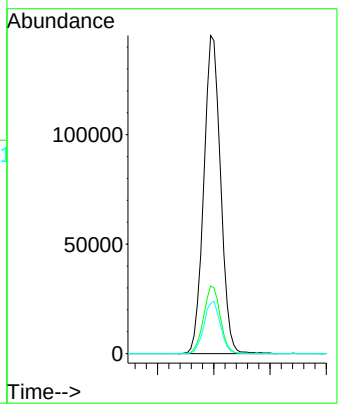
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

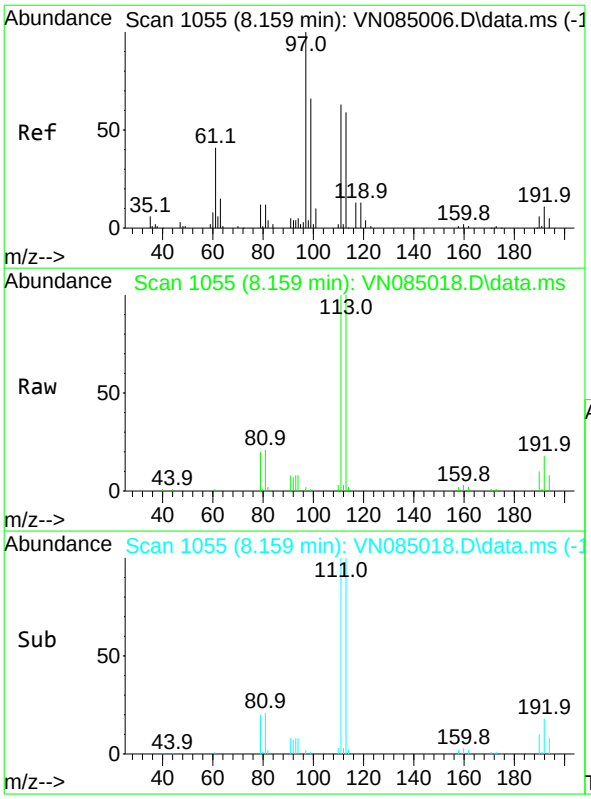


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.000 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Tgt Ion:114 Resp: 301590

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	41.0
88	15.7	0.0	34.8

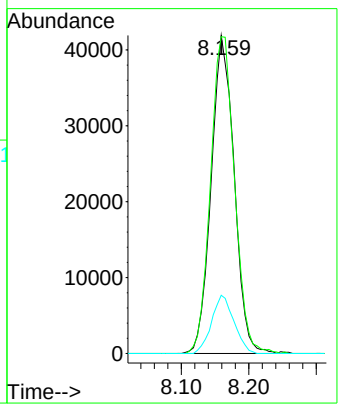




#35
Dibromofluoromethane
Concen: 48.691 ug/l
RT: 8.159 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Tgt Ion:113 Resp: 99028

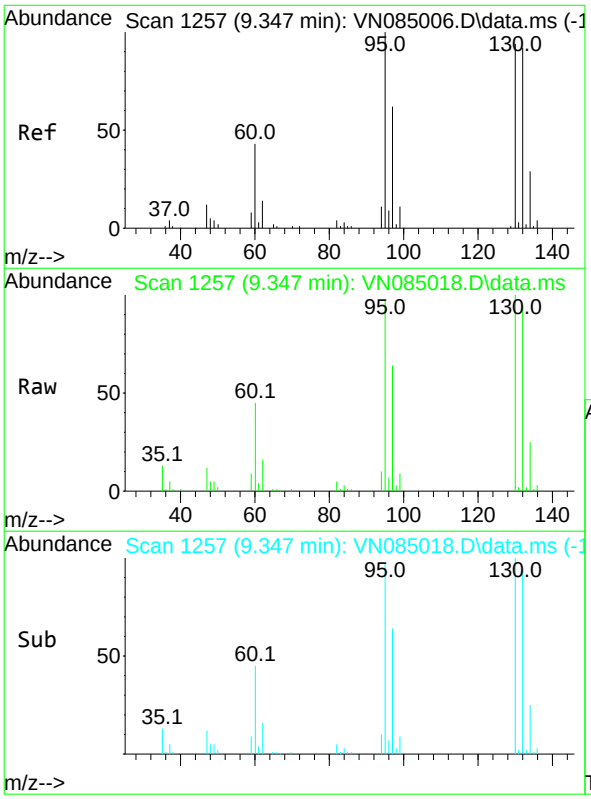
Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.0	123.0
192	17.8	14.8	22.2



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-20241112

Manual Integrations
APPROVED

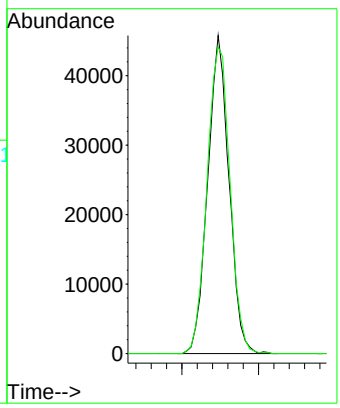
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

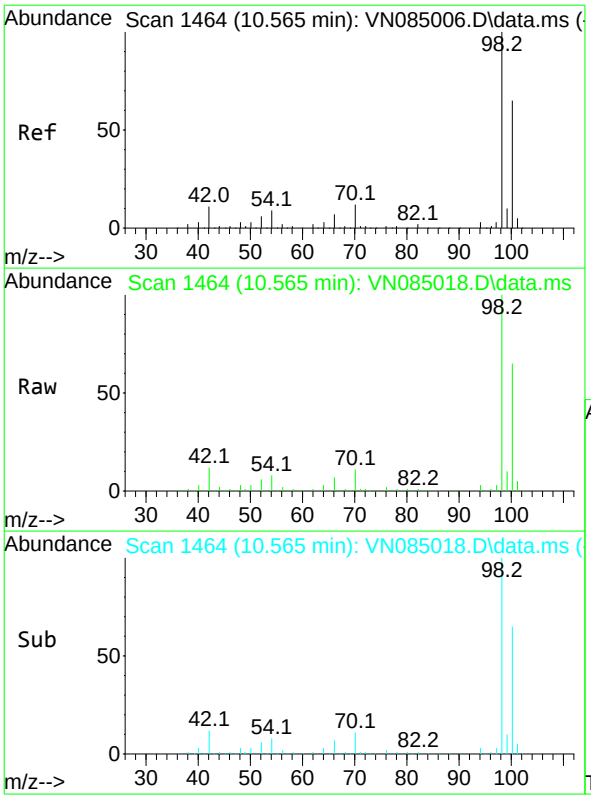


#44
Trichloroethene
Concen: 43.613 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Tgt Ion:130 Resp: 88308

Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	213.4

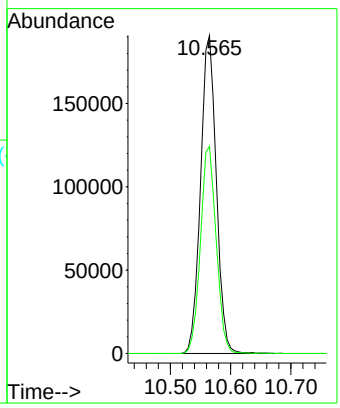




#50
Toluene-d8
Concen: 47.576 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Tgt Ion: 98 Resp: 346771

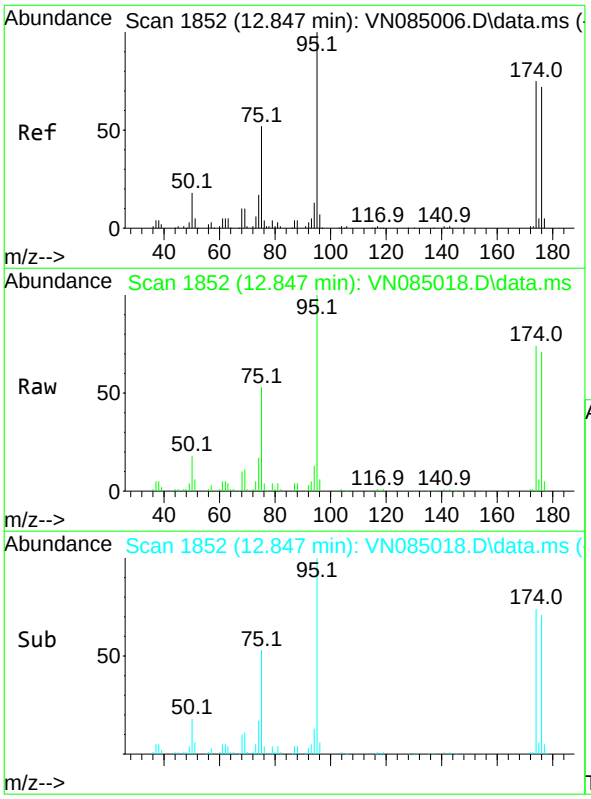
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.5	78.7



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-20241112

Manual Integrations
APPROVED

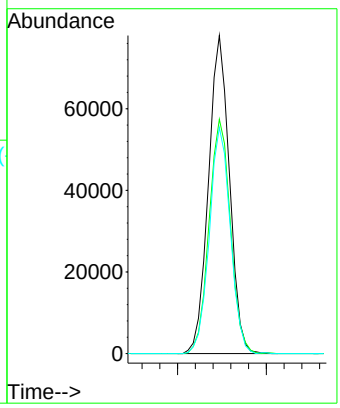
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

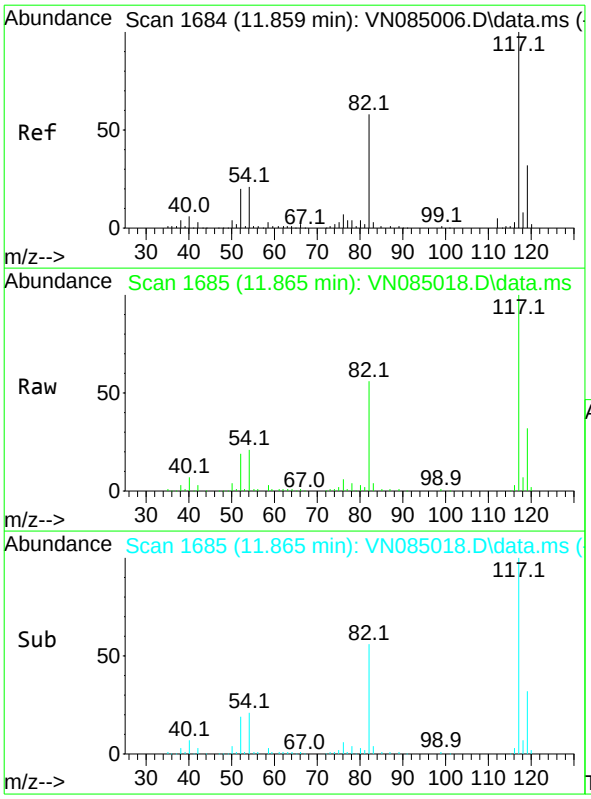


#62
4-Bromofluorobenzene
Concen: 46.950 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Tgt Ion: 95 Resp: 127974

Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	146.6
176	70.9	0.0	141.8

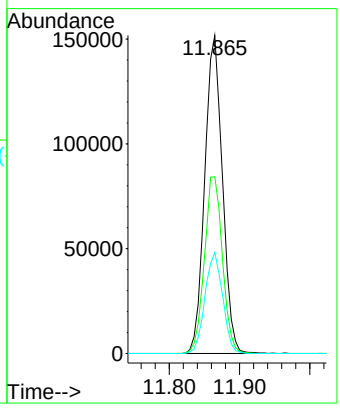




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Tgt Ion:117 Resp: 265028

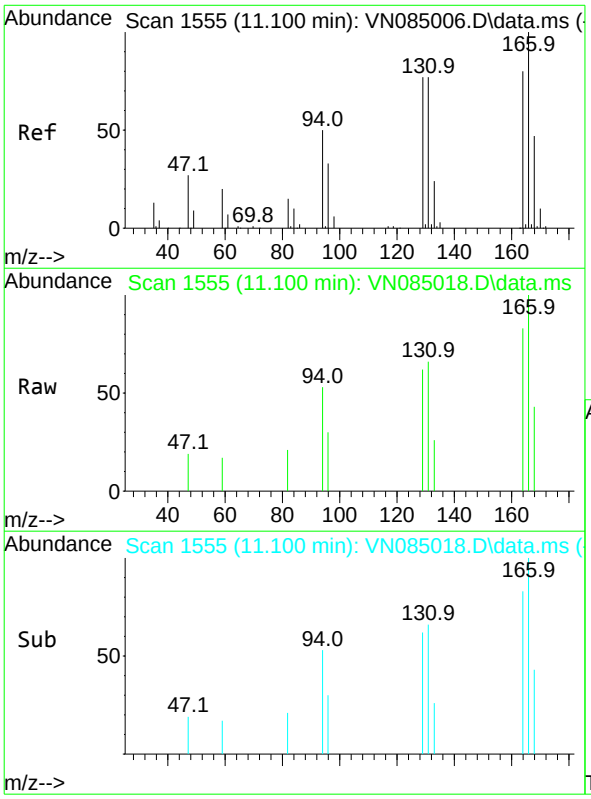
Ion	Ratio	Lower	Upper
117	100		
82	55.5	46.0	69.0
119	31.8	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-20241112

Manual Integrations
APPROVED

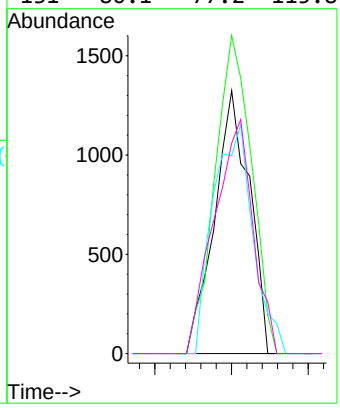
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

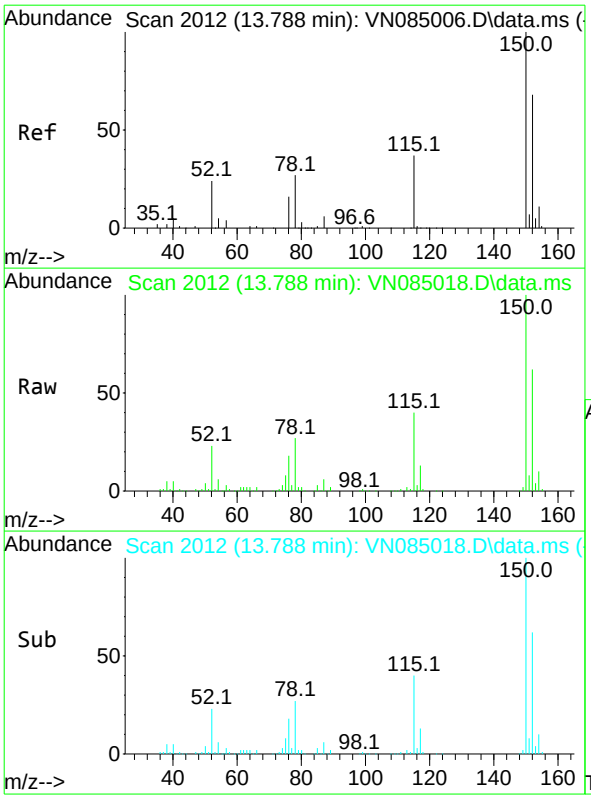


#64
Tetrachloroethene
Concen: 1.169 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Tgt Ion:164 Resp: 2087

Ion	Ratio	Lower	Upper
164	100		
166	121.0	100.6	151.0
129	75.4	77.7	116.5#
131	80.1	77.2	115.8

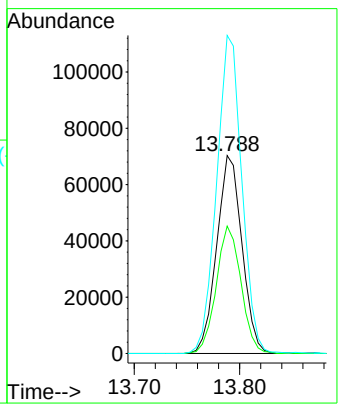




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Tgt Ion:152 Resp: 117323

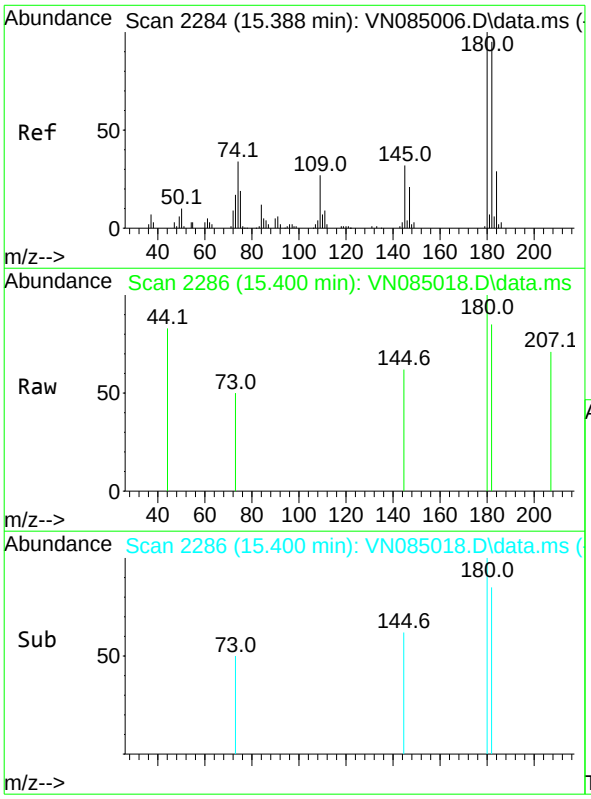
Ion	Ratio	Lower	Upper
152	100		
115	62.8	31.7	95.1
150	160.3	0.0	351.4



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-20241112

Manual Integrations APPROVED

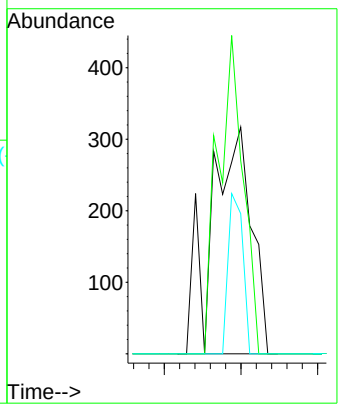
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

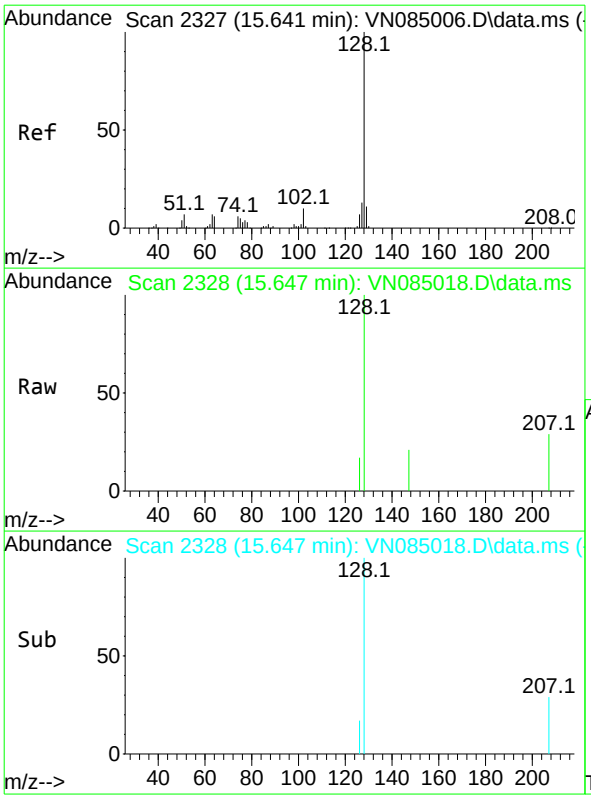


#93
1,2,4-Trichlorobenzene
Concen: 0.254 ug/l
RT: 15.400 min Scan# 2286
Delta R.T. 0.012 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Tgt Ion:180 Resp: 581

Ion	Ratio	Lower	Upper
180	100		
182	87.3	46.9	140.8
145	25.5	16.3	48.8

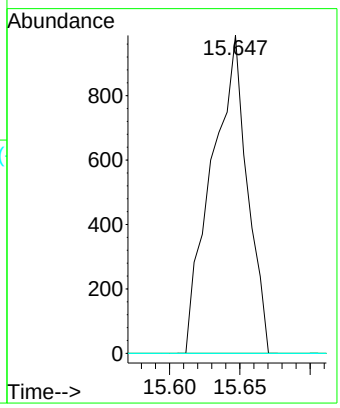




#95
Naphthalene
Concen: 0.267 ug/l
RT: 15.647 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Tgt Ion:128 Resp: 1736

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	12.8#



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-20241112

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085018.D
Acq On : 22 Nov 2024 20:05
Operator : JC\MD
Sample : P4845-23
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-20241112

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Title : SW846 8260

Signal : TIC: VN085018.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.283	50	56	66	rBV3	23455	51076	5.51%	0.906%
2	2.842	140	151	152	rBV3	8260	21081	2.27%	0.374%
3	2.901	155	161	162	rVV4	7116	9854	1.06%	0.175%
4	4.430	414	421	433	rBV2	9488	26431	2.85%	0.469%
5	8.159	1044	1055	1060	rBV	138342	334589	36.11%	5.933%
6	8.218	1060	1065	1081	rVB	239433	528598	57.04%	9.373%
7	8.571	1117	1125	1135	rBV	149527	336474	36.31%	5.966%
8	9.100	1205	1215	1226	rBV	341325	711053	76.73%	12.608%
9	9.347	1248	1257	1270	rVB2	250481	505838	54.59%	8.969%
10	10.565	1455	1464	1477	rBV	507104	926651	100.00%	16.431%
11	11.100	1550	1555	1562	rBV3	8167	15090	1.63%	0.268%
12	11.865	1677	1685	1696	rBV	463015	817358	88.21%	14.493%
13	12.847	1845	1852	1860	rBV	373718	615893	66.46%	10.921%
14	13.788	2005	2012	2021	rBV	443221	739618	79.82%	13.115%

Sum of corrected areas: 5639604

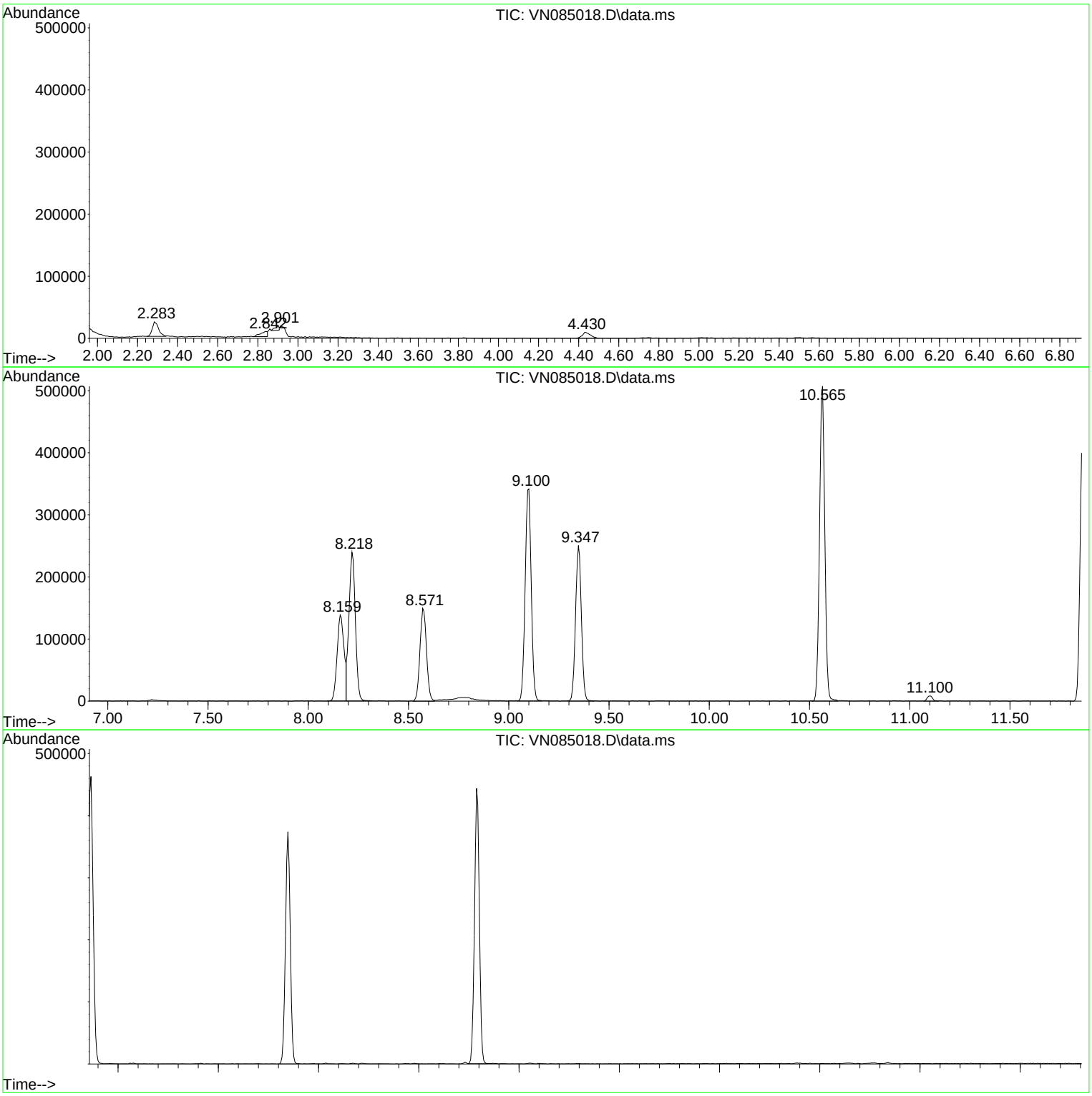
Sample Results: **VN085018.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085018.D
Acq On : 22 Nov 2024 20:05
Operator : JC\MD
Sample : P4845-23
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085018.D
Acq On : 22 Nov 2024 20:05
Operator : JC\MD
Sample : P4845-23
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085018.D
Acq On : 22 Nov 2024 20:05
Operator : JC\MD
Sample : P4845-23
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-20-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-24	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085019.D	1		11/22/24 20:29	VN112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	4.30	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	33.6		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-20-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-24	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085019.D	1		11/22/24 20:29	VN112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	UQ	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	1.50		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.0		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	47.9		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	173000	8.218				
540-36-3	1,4-Difluorobenzene	301000	9.1				
3114-55-4	Chlorobenzene-d5	267000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	120000	13.788				

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Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-20-20241112	SDG No.:	P4845
Lab Sample ID:	P4845-24	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085019.D	1		11/22/24 20:29	VN112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085019.D
Acq On : 22 Nov 2024 20:29
Operator : JC\MD
Sample : P4845-24
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 23 03:27:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-20-20241112

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	172730	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	301491	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	267127	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	119597	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127888	51.978	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.960%			
35) Dibromofluoromethane	8.159	113	100722	49.540	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.080%			
50) Toluene-d8	10.565	98	349119	47.914	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.820%			
62) 4-Bromofluorobenzene	12.847	95	135797	49.836	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.680%			
Target Compounds						Qvalue
16) Acetone	4.442	43	3085m	4.305	ug/l	
44) Trichloroethene	9.347	130	67963	33.576	ug/l	98
64) Tetrachloroethene	11.100	164	2648	1.471	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085019.D
Acq On : 22 Nov 2024 20:29
Operator : JC\MD
Sample : P4845-24
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 23 03:27:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-20-20241112

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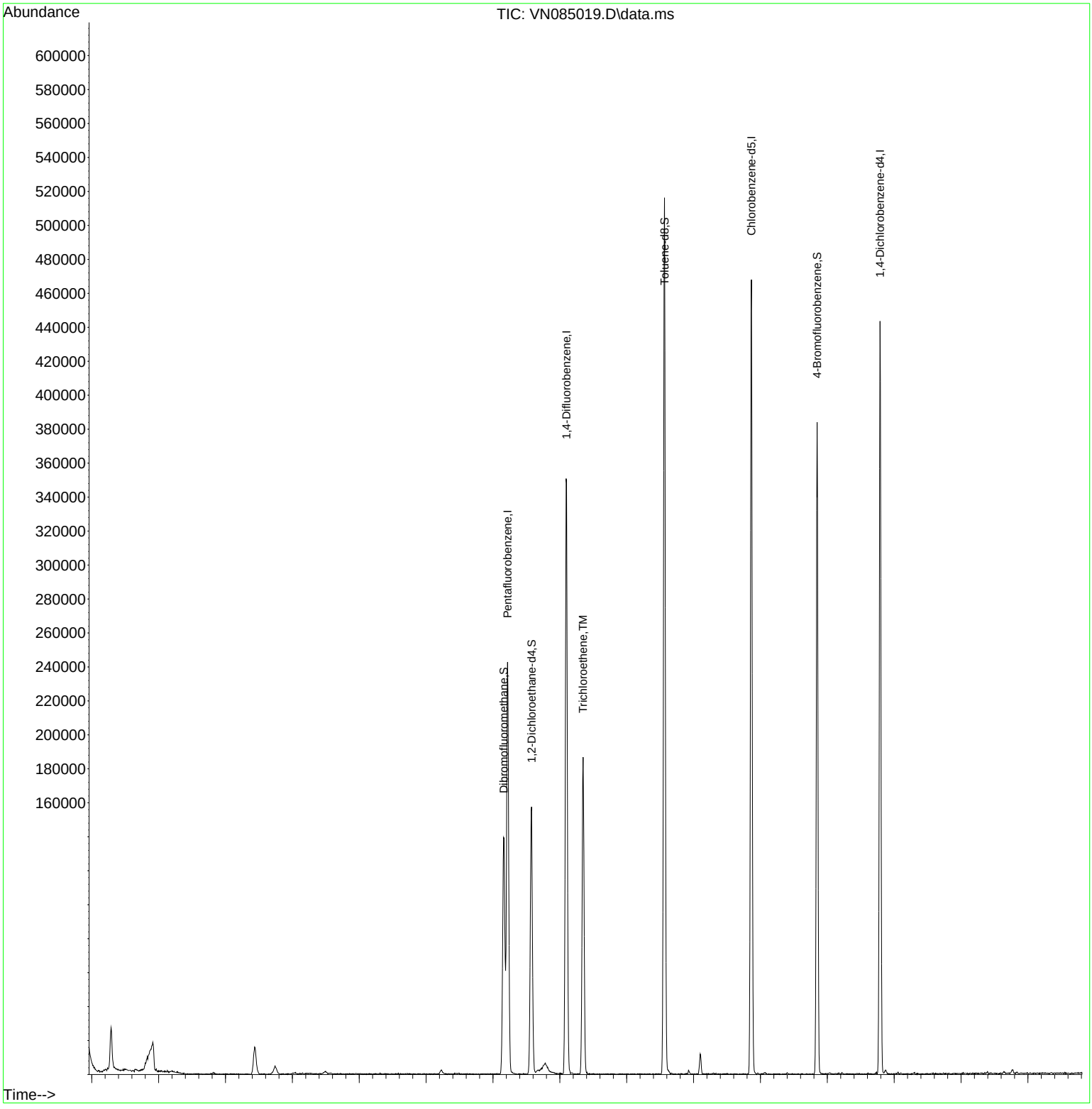

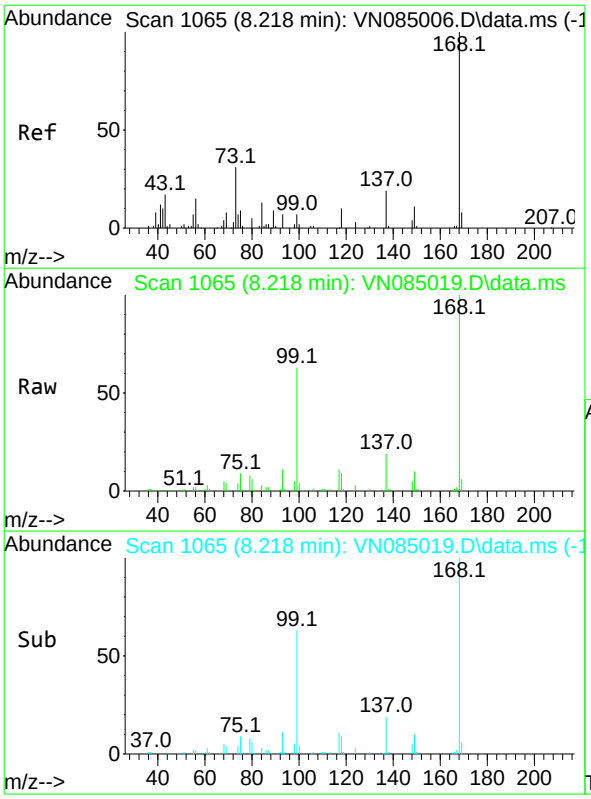

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Tgt Ion:168 Resp: 172730

Ion	Ratio	Lower	Upper
168	100		
99	62.8	51.2	76.8

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-20-20241112

Manual Integrations
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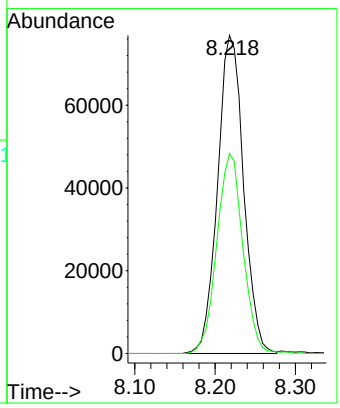
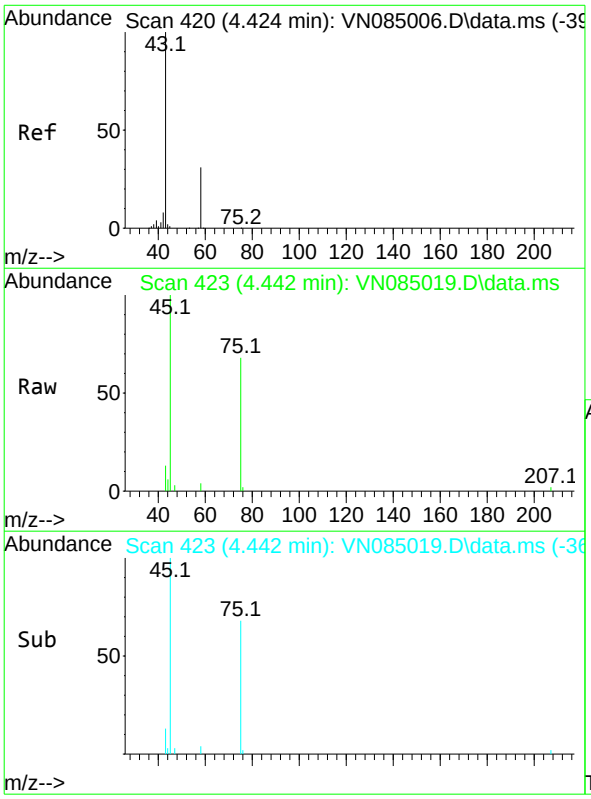
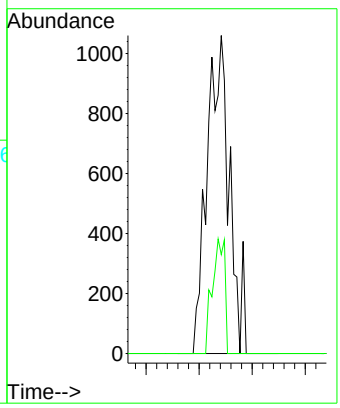


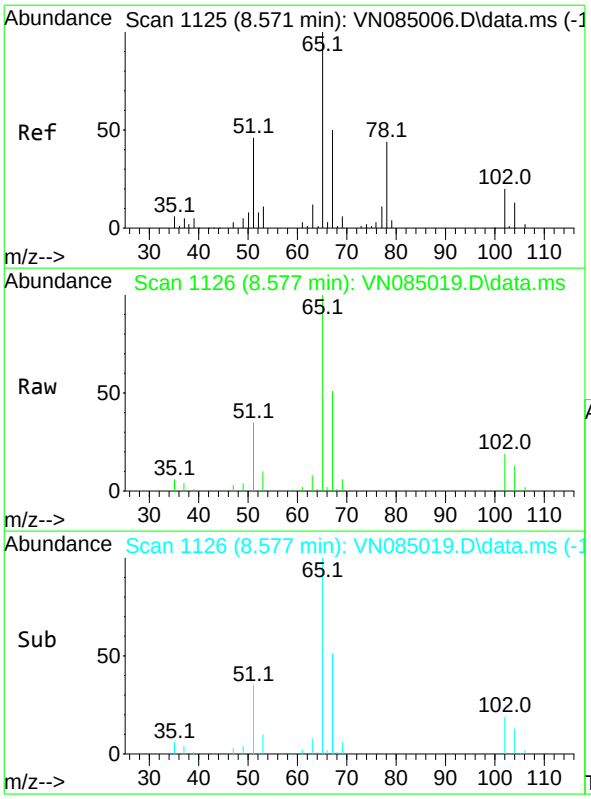


#16
Acetone
Concen: 4.305 ug/l m
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Tgt Ion: 43 Resp: 3085

Ion	Ratio	Lower	Upper
43	100		
58	31.1	25.4	38.2

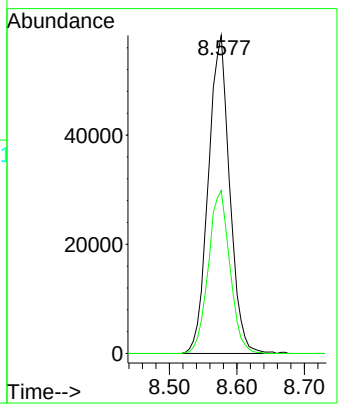




#33
1,2-Dichloroethane-d4
Concen: 51.978 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Tgt Ion: 65 Resp: 127888

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	105.0



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-20-20241112

Manual Integrations
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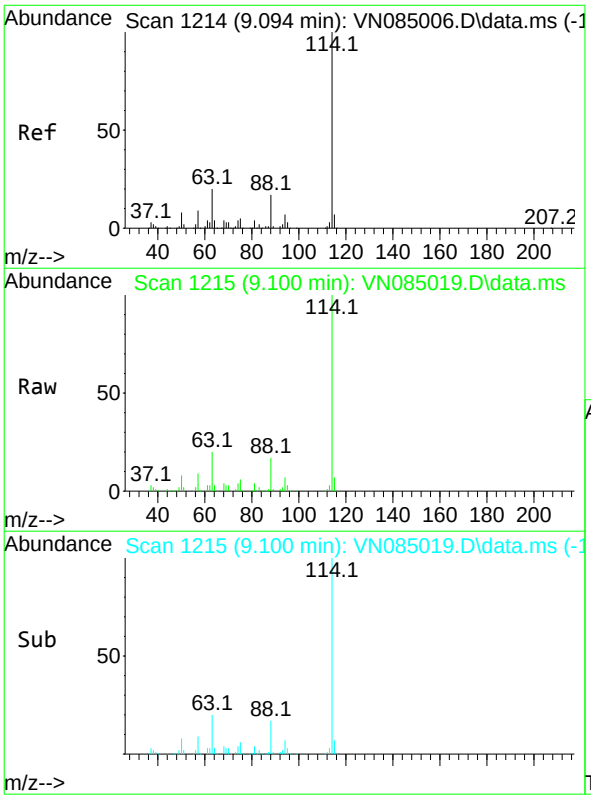
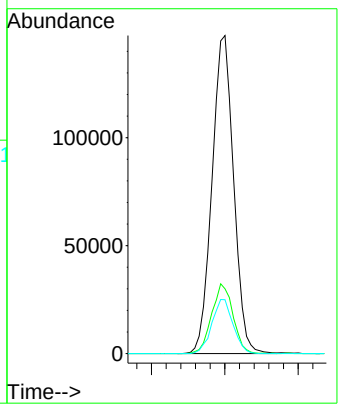
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

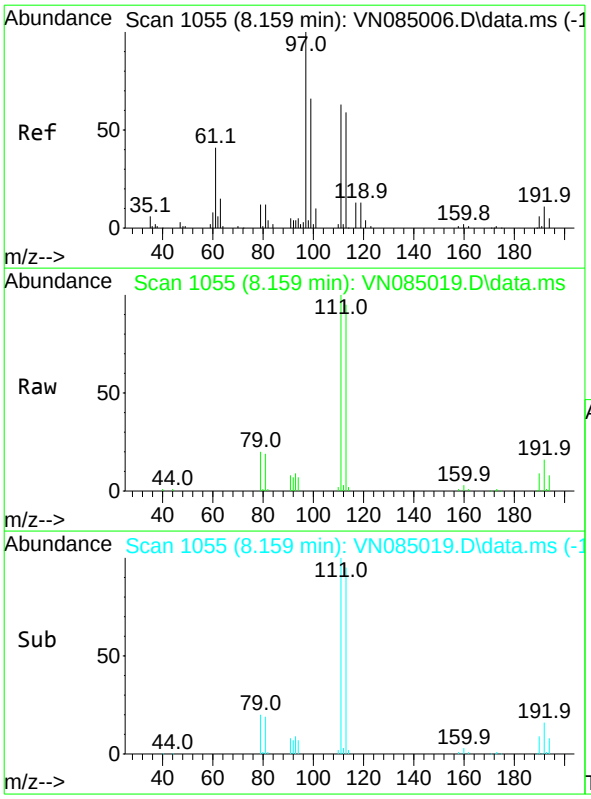


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Tgt Ion:114 Resp: 301491

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	41.0
88	16.9	0.0	34.8

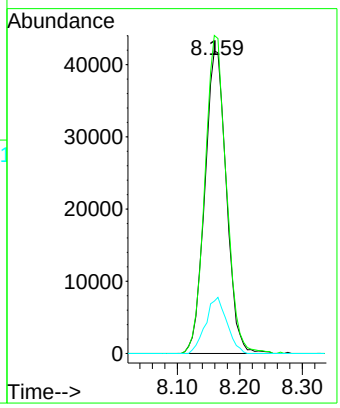




#35
Dibromofluoromethane
Concen: 49.540 ug/l
RT: 8.159 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Tgt Ion:113 Resp: 100722

Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.0	123.0
192	18.3	14.8	22.2



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-20-20241112

Manual Integrations
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Reviewed By :John Carlone 11/25/2024
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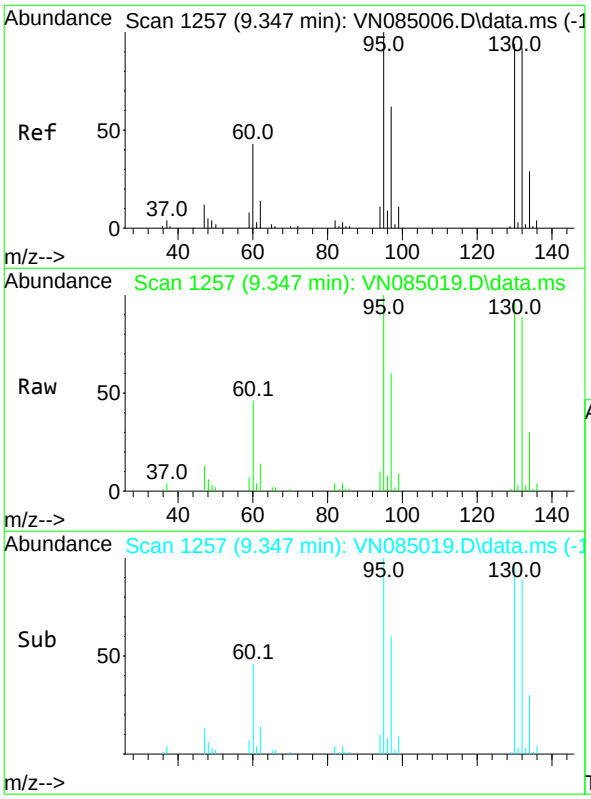
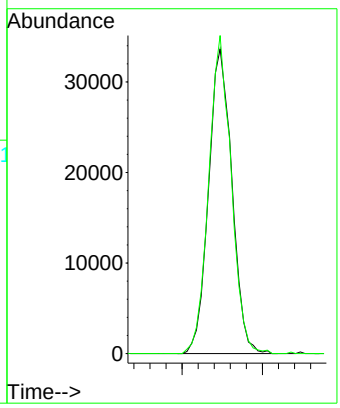
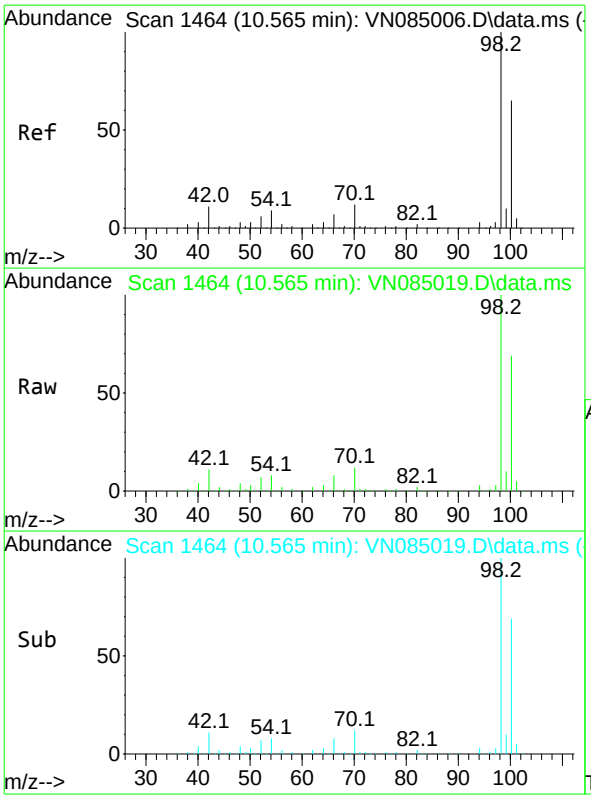


#44
Trichloroethene
Concen: 33.576 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Tgt Ion:130 Resp: 67963

Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	213.4

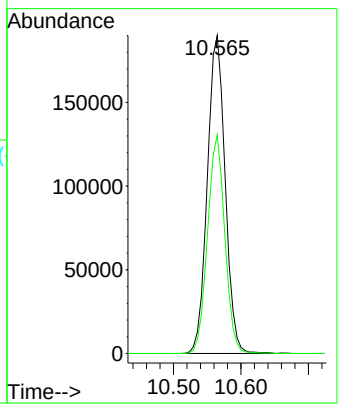




#50
Toluene-d8
Concen: 47.914 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Tgt Ion: 98 Resp: 349119

Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.5	78.7



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-20-20241112

Manual Integrations
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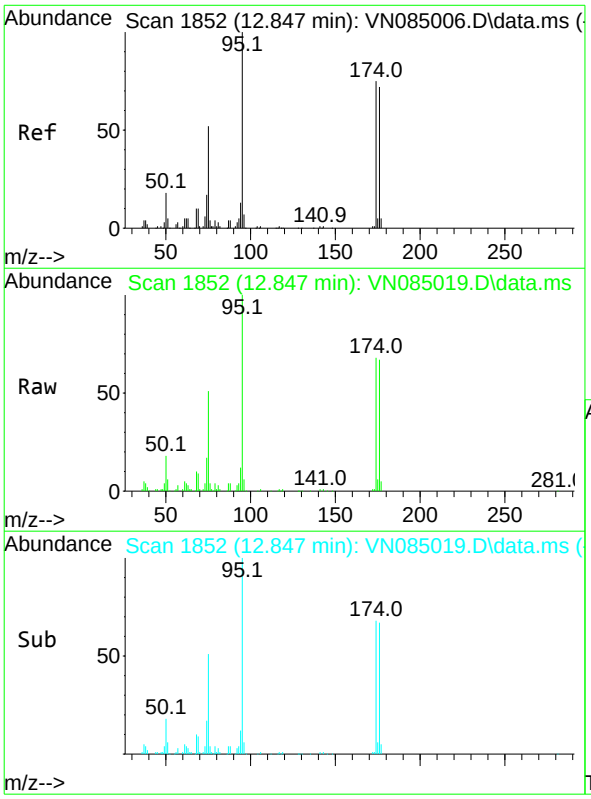
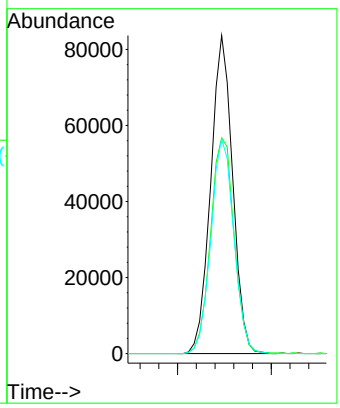
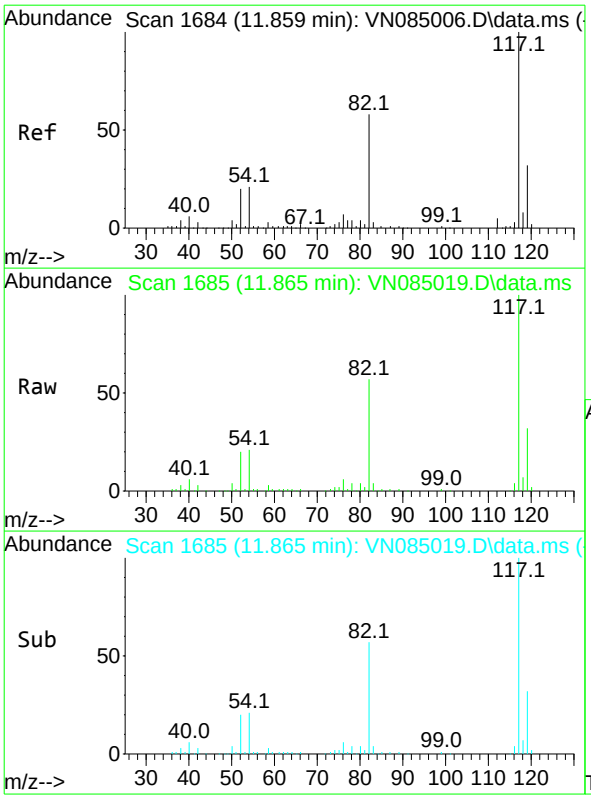


#62
4-Bromofluorobenzene
Concen: 49.836 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Tgt Ion: 95 Resp: 135797

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	146.6
176	70.7	0.0	141.8

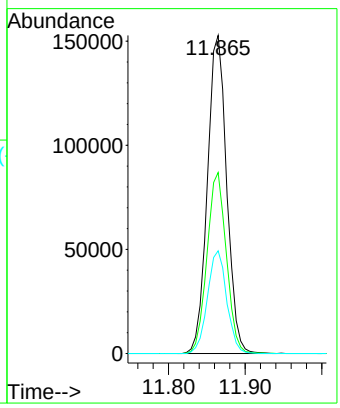




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Tgt Ion:117 Resp: 267127

Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.0	69.0
119	32.3	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-20-20241112

Manual Integrations
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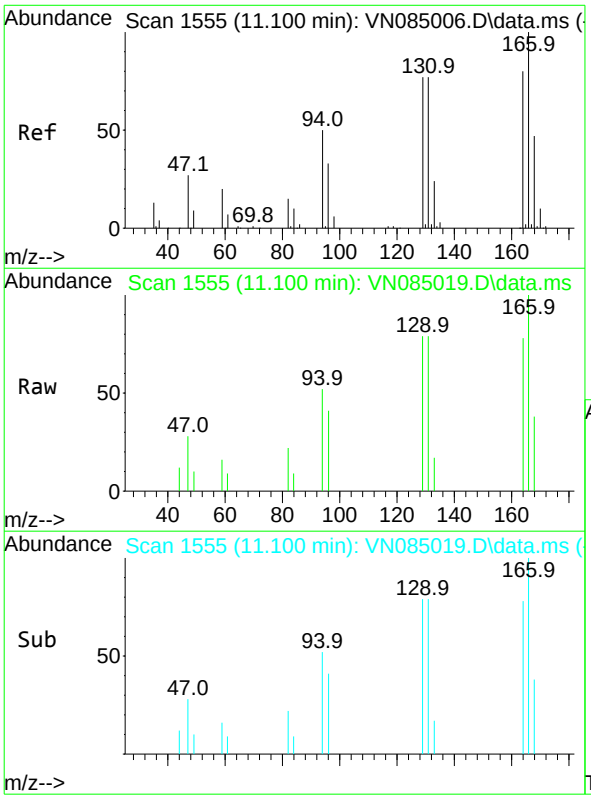
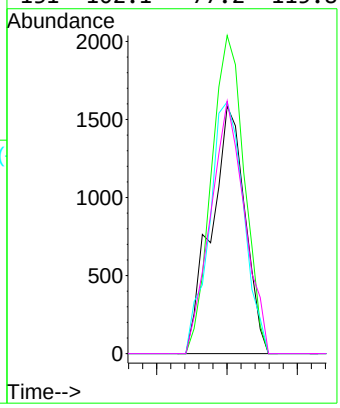
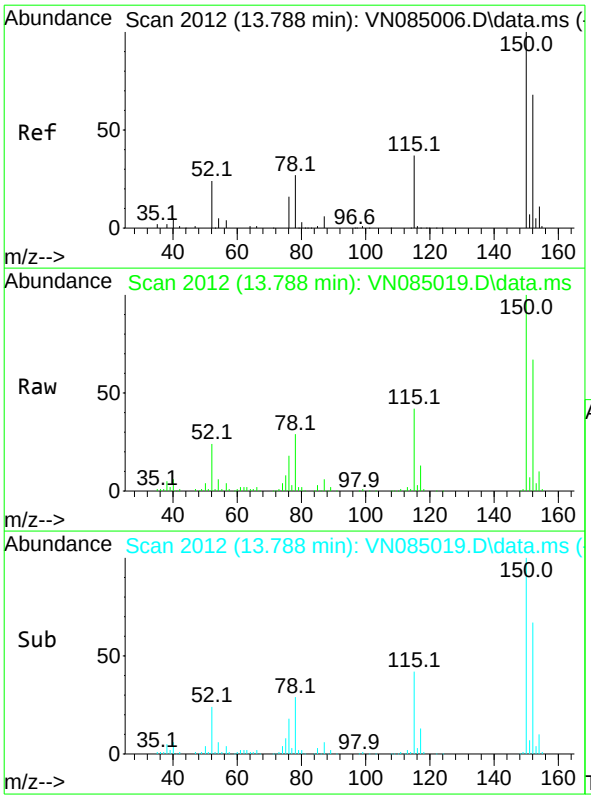


#64
Tetrachloroethene
Concen: 1.471 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Tgt Ion:164 Resp: 2648

Ion	Ratio	Lower	Upper
164	100		
166	128.6	100.6	151.0
129	101.8	77.7	116.5
131	102.1	77.2	115.8

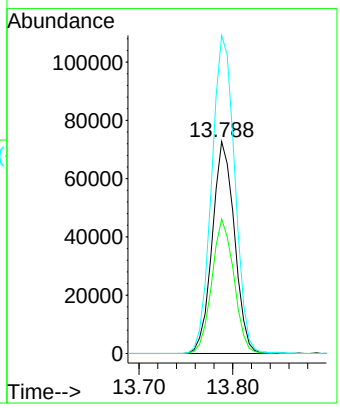




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Tgt Ion:152 Resp: 119597

Ion	Ratio	Lower	Upper
152	100		
115	62.8	31.7	95.1
150	156.0	0.0	351.4



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-20-20241112

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085019.D
Acq On : 22 Nov 2024 20:29
Operator : JC\MD
Sample : P4845-24
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-20-20241112

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Title : SW846 8260

Signal : TIC: VN085019.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.289	49	57	64	rBV4	24317	50452	5.39%	0.888%
2	2.912	150	163	170	rVB7	16571	70032	7.49%	1.232%
3	4.436	412	422	436	rBV2	16022	46722	5.00%	0.822%
4	4.742	462	474	488	rVB3	5070	17777	1.90%	0.313%
5	8.159	1045	1055	1060	rBV	139435	337609	36.10%	5.941%
6	8.218	1060	1065	1086	rVB	242499	534581	57.16%	9.407%
7	8.577	1116	1126	1136	rBV	157492	349158	37.34%	6.144%
8	8.783	1159	1161	1173	rVB4	5278	12962	1.39%	0.228%
9	9.094	1206	1214	1225	rVB	350328	717873	76.76%	12.633%
10	9.347	1248	1257	1266	rBV	186461	376988	40.31%	6.634%
11	10.565	1455	1464	1473	rBV	516038	935176	100.00%	16.457%
12	11.100	1549	1555	1560	rBV3	11908	20222	2.16%	0.356%
13	11.865	1677	1685	1698	rVB	468053	829693	88.72%	14.600%
14	12.847	1844	1852	1861	rBV	383855	641399	68.59%	11.287%
15	13.788	2004	2012	2021	rBV	443335	741995	79.34%	13.057%

Sum of corrected areas: 5682639

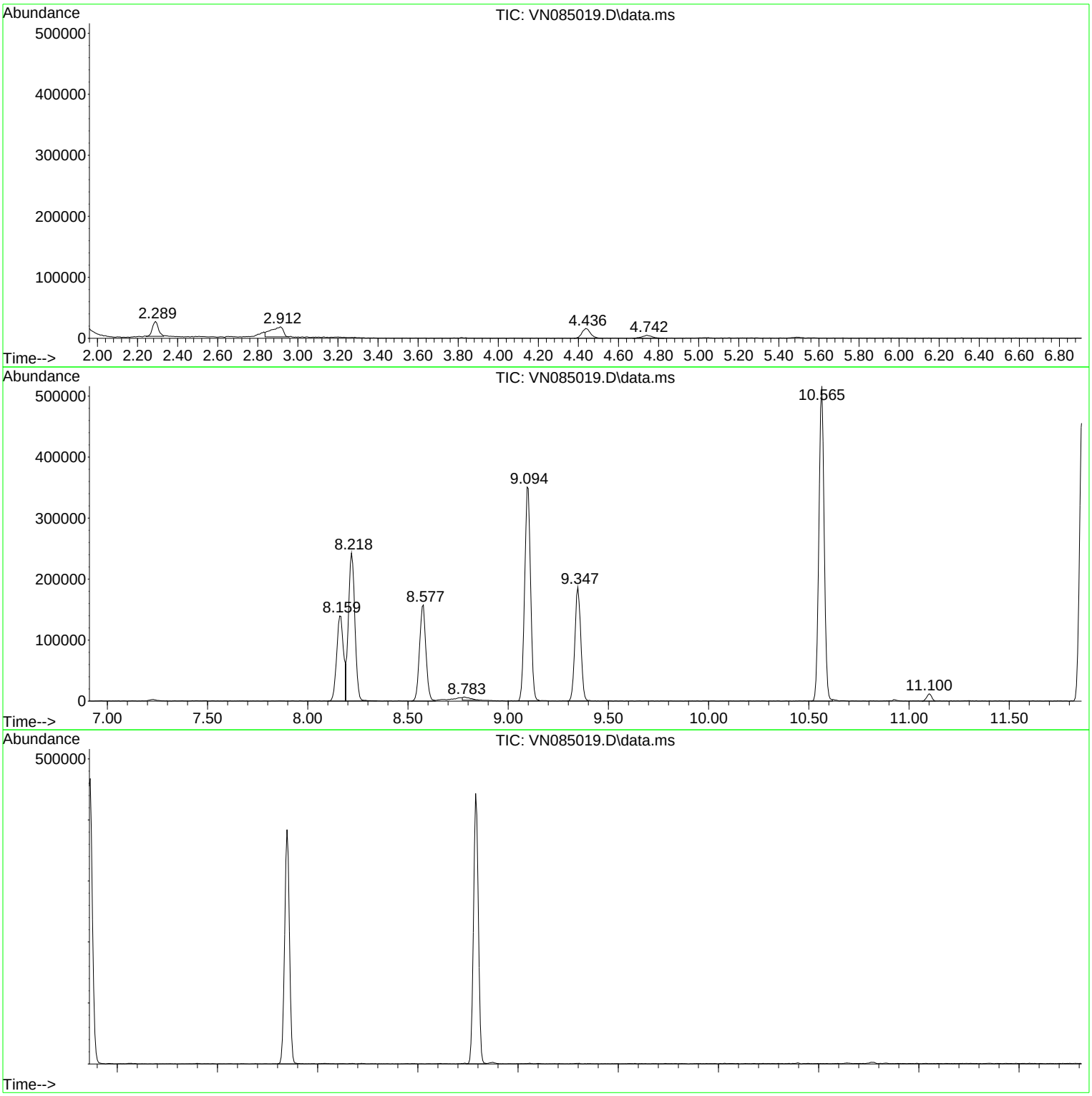
Sample Results: **VN085019.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085019.D
Acq On : 22 Nov 2024 20:29
Operator : JC\MD
Sample : P4845-24
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-20-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085019.D
Acq On : 22 Nov 2024 20:29
Operator : JC\MD
Sample : P4845-24
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-20-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085019.D
Acq On : 22 Nov 2024 20:29
Operator : JC\MD
Sample : P4845-24
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-20-20241112

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

CALIBRATION SUMMARY

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG No.: P4845

Instrument ID: MSVOA_N Calibration Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Calibration Time(s): 11:46 13:45

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF100 = VN084570.D RRF050 = VN084571.D RRF020 = VN084572.D
RRF010 = VN084573.D RRF005 = VN084574.D RRF001 = VN084575.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.571	0.552	0.552	0.598	0.594	0.581	0.575	3.4
Chloromethane	0.658	0.672	0.725	0.871	0.995	1.789	0.952	45.2
Vinyl Chloride	0.613	0.605	0.623	0.636	0.651	0.581	0.618	4
Bromomethane	0.292	0.296	0.310	0.336	0.405		0.328	14.2
Chloroethane	0.378	0.376	0.413	0.426	0.475	0.863	0.488	38.3
Trichlorofluoromethane	0.971	0.959	1.017	1.022	1.070	1.071	1.018	4.7
1,1,2-Trichlorotrifluoroethane	0.566	0.557	0.571	0.585	0.588	0.586	0.575	2.2
1,1-Dichloroethene	0.548	0.538	0.560	0.575	0.552	0.644	0.569	6.8
Acetone	0.209	0.204	0.213	0.223	0.241	0.338	0.238	21.3
Carbon Disulfide	1.604	1.603	1.700	1.714	1.784	2.117	1.753	10.9
Methyl tert-butyl Ether	1.773	1.758	1.802	1.779	1.786	1.572	1.745	4.9
Methyl Acetate	0.731	0.749	0.954	1.044	1.266	2.291	1.172	49.7
Methylene Chloride	0.604	0.602	0.633	0.658	0.714	0.600	0.635	7.1
trans-1,2-Dichloroethene	0.565	0.563	0.596	0.600	0.584	0.601	0.585	2.9
1,1-Dichloroethane	1.067	1.066	1.114	1.127	1.203	1.033	1.102	5.5
Cyclohexane	0.956	0.938	0.956	1.043	1.093		0.997	6.8
2-Butanone	0.316	0.315	0.348	0.338	0.370	0.334	0.337	6.1
Carbon Tetrachloride	0.530	0.514	0.532	0.548	0.537	0.488	0.525	4
cis-1,2-Dichloroethene	0.675	0.662	0.697	0.685	0.705	0.673	0.683	2.4
Bromochloromethane	0.483	0.511	0.388	0.415	0.408	0.429	0.439	10.8
Chloroform	1.099	1.086	1.142	1.154	1.222	1.025	1.121	6
1,1,1-Trichloroethane	1.000	0.991	1.046	1.073	1.032	0.980	1.021	3.5
Methylcyclohexane	0.546	0.509	0.495	0.487	0.458	0.371	0.478	12.5
Benzene	1.494	1.448	1.509	1.507	1.546	1.540	1.507	2.4
1,2-Dichloroethane	0.488	0.494	0.493	0.492	0.503	0.459	0.488	3.1
Trichloroethene	0.339	0.335	0.345	0.338	0.341	0.387	0.348	5.7
1,2-Dichloropropane	0.356	0.348	0.358	0.357	0.373	0.330	0.354	4
Bromodichloromethane	0.528	0.521	0.526	0.522	0.529	0.530	0.526	0.7
4-Methyl-2-Pentanone	0.424	0.423	0.416	0.417	0.412	0.344	0.406	7.6
Toluene	0.923	0.899	0.919	0.902	0.891	0.757	0.882	7.1

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG No.: P4845

Instrument ID: MSVOA_N Calibration Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Calibration Time(s): 11:46 13:45

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF100 = VN084570.D RRF050 = VN084571.D RRF020 = VN084572.D
RRF010 = VN084573.D RRF005 = VN084574.D RRF001 = VN084575.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.552	0.543	0.538	0.532	0.547	0.555	0.544	1.6
cis-1,3-Dichloropropene	0.592	0.581	0.582	0.569	0.584	0.548	0.576	2.7
1,1,2-Trichloroethane	0.336	0.329	0.334	0.342	0.342	0.309	0.332	3.7
2-Hexanone	0.314	0.312	0.301	0.297	0.294	0.256	0.296	7.1
Dibromochloromethane	0.404	0.394	0.391	0.393	0.377	0.312	0.378	8.9
1,2-Dibromoethane	0.340	0.333	0.341	0.335	0.355	0.336	0.340	2.4
Tetrachloroethene	0.326	0.313	0.333	0.347	0.351	0.325	0.333	4.3
Chlorobenzene	1.068	1.061	1.149	1.123	1.165	1.146	1.119	3.9
Ethyl Benzene	1.957	1.891	1.928	1.880	1.849	1.697	1.867	4.9
m/p-Xylenes	0.737	0.728	0.737	0.701	0.683	0.654	0.707	4.8
o-Xylene	0.703	0.690	0.701	0.679	0.645	0.550	0.661	8.9
Styrene	1.223	1.205	1.206	1.144	1.093	1.050	1.154	6.1
Bromoform	0.287	0.295	0.298	0.289	0.302	0.286	0.293	2.3
Isopropylbenzene	3.558	3.570	3.701	3.605	3.402	3.188	3.504	5.2
1,1,2,2-Tetrachloroethane	1.052	1.073	1.163	1.190	1.317	1.222	1.170	8.4
1,3-Dichlorobenzene	1.642	1.668	1.770	1.802	1.884	2.264	1.838	12.3
1,4-Dichlorobenzene	1.646	1.674	1.782	1.867	1.879	2.773	1.937	21.7
1,2-Dichlorobenzene	1.601	1.618	1.748	1.732	1.879	2.021	1.766	9.1
1,2-Dibromo-3-Chloropropane	0.204	0.217	0.229	0.226	0.274	0.272	0.237	12.3
1,2,4-Trichlorobenzene	0.852	0.865	0.895	0.881	0.956	1.353	0.967	19.9
1,2,3-Trichlorobenzene	0.832	0.841	0.953	0.877	0.939	1.189	0.939	14.1
1,2-Dichloroethane-d4	0.689	0.721	0.708	0.722	0.771		0.722	4.2
Dibromofluoromethane	0.334	0.344	0.326	0.336	0.353		0.338	3.1
Toluene-d8	1.267	1.303	1.216	1.231	1.217		1.247	3
4-Bromofluorobenzene	0.481	0.493	0.450	0.451	0.454		0.466	4.3

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N103024W.M
Title : SW846 8260
Last Update : Thu Oct 31 18:45:38 2024
Response Via : Initial Calibration

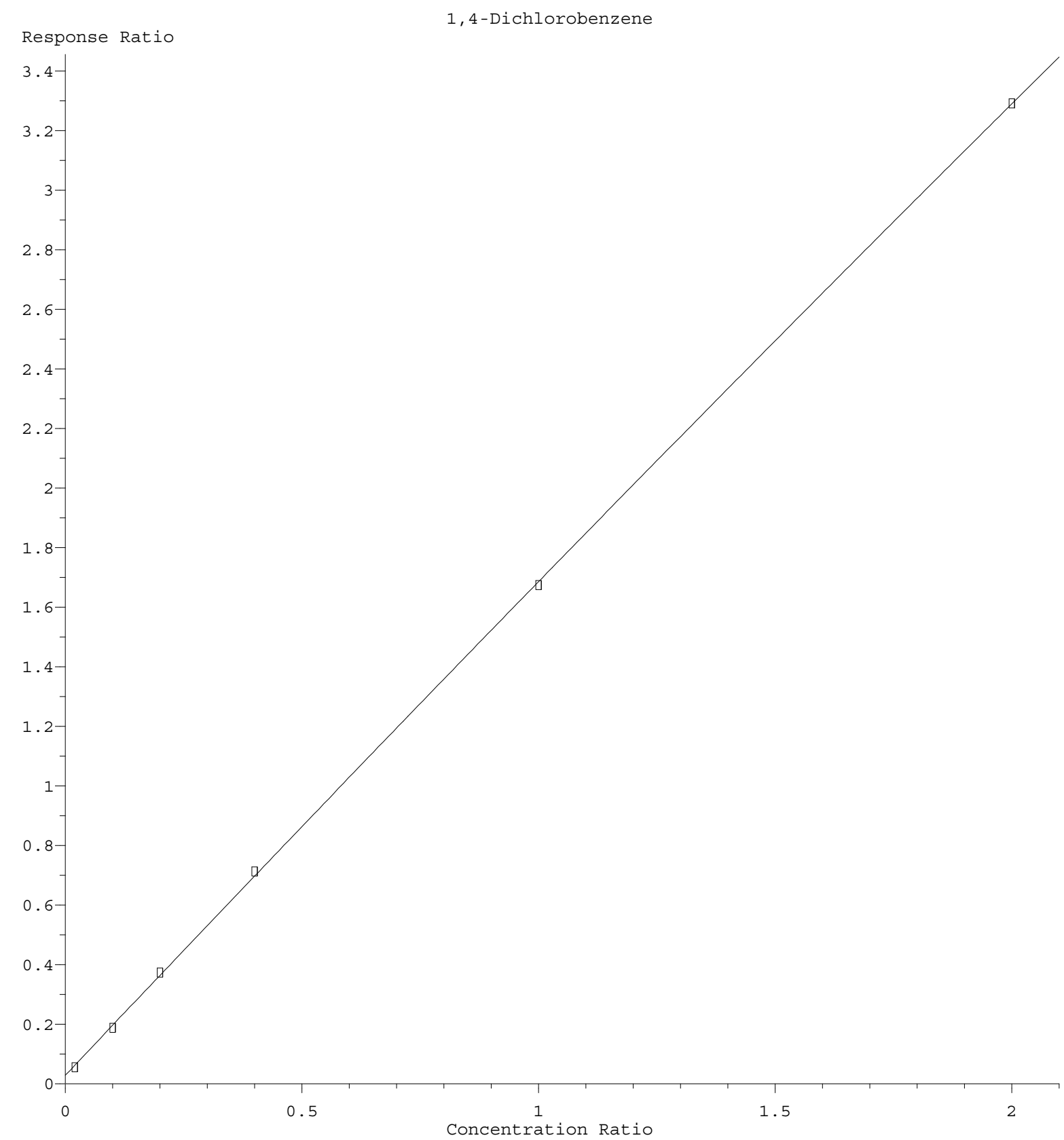
Calibration Files
1 =VN084575.D 5 =VN084574.D 10 =VN084573.D 20 =VN084572.D 50 =VN084571.D 100 =VN084570.D

		Compound	1	5	10	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.581	0.594	0.598	0.552	0.552	0.571	0.575	3.43
3)	P	Chloromethane	1.789	0.995	0.871	0.725	0.672	0.658	0.952	45.21
4)	C	Vinyl Chloride	0.581	0.651	0.636	0.623	0.605	0.613	0.618	3.98#
5)	T	Bromomethane		0.405	0.336	0.310	0.296	0.292	0.328	14.16
6)	T	Chloroethane	0.863	0.475	0.426	0.413	0.376	0.378	0.488	38.29
7)	T	Trichlorofluor...	1.071	1.070	1.022	1.017	0.959	0.971	1.018	4.66
8)	T	Diethyl Ether	0.358	0.371	0.364	0.359	0.353	0.351	0.359	2.08
9)	T	1,1,2-Trichlor...	0.586	0.588	0.585	0.571	0.557	0.566	0.575	2.23
10)	T	Methyl Iodide		0.817	0.800	0.764	0.736	0.728	0.769	5.08
11)	T	Tert butyl alc...		0.118	0.100	0.090	0.086	0.082	0.095	15.11
12)	CM	1,1-Dichloroet...	0.644	0.552	0.575	0.560	0.538	0.548	0.569	6.78#
13)	T	Acrolein		0.104	0.096	0.101	0.088	0.086	0.095	8.16
14)	T	Allyl chloride	0.849	0.977	0.925	0.939	0.917	0.934	0.923	4.56
15)	T	Acrylonitrile	0.263	0.294	0.282	0.282	0.271	0.264	0.276	4.42
16)	T	Acetone	0.338	0.241	0.223	0.213	0.204	0.209	0.238	21.31
17)	T	Carbon Disulfide	2.117	1.784	1.714	1.700	1.603	1.604	1.753	10.90
18)	T	Methyl Acetate	2.291	1.266	1.044	0.954	0.749	0.731	1.172	49.71
19)	T	Methyl tert-bu...	1.572	1.786	1.779	1.802	1.758	1.773	1.745	4.92
20)	T	Methylene Chlo...	0.600	0.714	0.658	0.633	0.602	0.604	0.635	7.09
21)	T	trans-1,2-Dich...	0.601	0.584	0.600	0.596	0.563	0.565	0.585	2.94
22)	T	Diisopropyl ether	1.623	1.843	1.909	1.921	1.855	1.858	1.835	5.91
23)	T	Vinyl Acetate	1.090	1.297	1.298	1.306	1.299	1.303	1.265	6.81
24)	P	1,1-Dichloroet...	1.033	1.203	1.127	1.114	1.066	1.067	1.102	5.49
25)	T	2-Butanone	0.334	0.370	0.338	0.348	0.315	0.316	0.337	6.14
26)	T	2,2-Dichloropr...	0.933	0.959	0.978	0.974	0.941	0.968	0.959	1.93
27)	T	cis-1,2-Dichlo...	0.673	0.705	0.685	0.697	0.662	0.675	0.683	2.38
28)	T	Bromochloromet...	0.429	0.408	0.415	0.388	0.511	0.483	0.439	10.79
29)	T	Tetrahydrofuran	0.197	0.236	0.234	0.231	0.222	0.221	0.224	6.52
30)	C	Chloroform	1.025	1.222	1.154	1.142	1.086	1.099	1.121	6.02#
31)	T	Cyclohexane		1.093	1.043	0.956	0.938	0.956	0.997	6.75
32)	T	1,1,1-Trichlor...	0.980	1.032	1.073	1.046	0.991	1.000	1.021	3.53
33)	S	1,2-Dichloroet...		0.771	0.722	0.708	0.721	0.689	0.722	4.20
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.353	0.336	0.326	0.344	0.334	0.338	3.07
36)	T	1,1-Dichloropr...	0.474	0.477	0.468	0.471	0.451	0.476	0.469	2.02
37)	T	Ethyl Acetate	0.410	0.466	0.404	0.429	0.422	0.424	0.426	5.14
38)	T	Carbon Tetrach...	0.488	0.537	0.548	0.532	0.514	0.530	0.525	4.04
39)	T	Methylcyclohexane	0.371	0.458	0.487	0.495	0.509	0.546	0.478	12.46
40)	TM	Benzene	1.540	1.546	1.507	1.509	1.448	1.494	1.507	2.35
41)	T	Methacrylonitrile	0.184	0.238	0.232	0.239	0.246	0.235	0.229	9.89
42)	TM	1,2-Dichloroet...	0.459	0.503	0.492	0.493	0.494	0.488	0.488	3.10
43)	T	Isopropyl Acetate	1.297	1.009	0.895	0.820	0.756	0.786	0.927	21.85
44)	TM	Trichloroethene	0.387	0.341	0.338	0.345	0.335	0.339	0.348	5.66
45)	C	1,2-Dichloropr...	0.330	0.373	0.357	0.358	0.348	0.356	0.354	3.95#
46)	T	Dibromomethane	0.247	0.260	0.244	0.257	0.244	0.245	0.250	2.89
47)	T	Bromodichlorom...	0.530	0.529	0.522	0.526	0.521	0.528	0.526	0.70
48)	T	Methyl methacr...	0.277	0.335	0.336	0.339	0.346	0.355	0.331	8.32
49)	T	1,4-Dioxane	0.005	0.006	0.006	0.006	0.006	0.006	0.006	8.90
50)	S	Toluene-d8		1.217	1.231	1.216	1.303	1.267	1.247	3.02
51)	T	4-Methyl-2-Pen...	0.344	0.412	0.417	0.416	0.423	0.424	0.406	7.59
52)	CM	Toluene	0.757	0.891	0.902	0.919	0.899	0.923	0.882	7.07#
53)	T	t-1,3-Dichloro...	0.555	0.547	0.532	0.538	0.543	0.552	0.544	1.60
54)	T	cis-1,3-Dichlo...	0.548	0.584	0.569	0.582	0.581	0.592	0.576	2.69
55)	T	1,1,2-Trichlor...	0.309	0.342	0.342	0.334	0.329	0.336	0.332	3.72

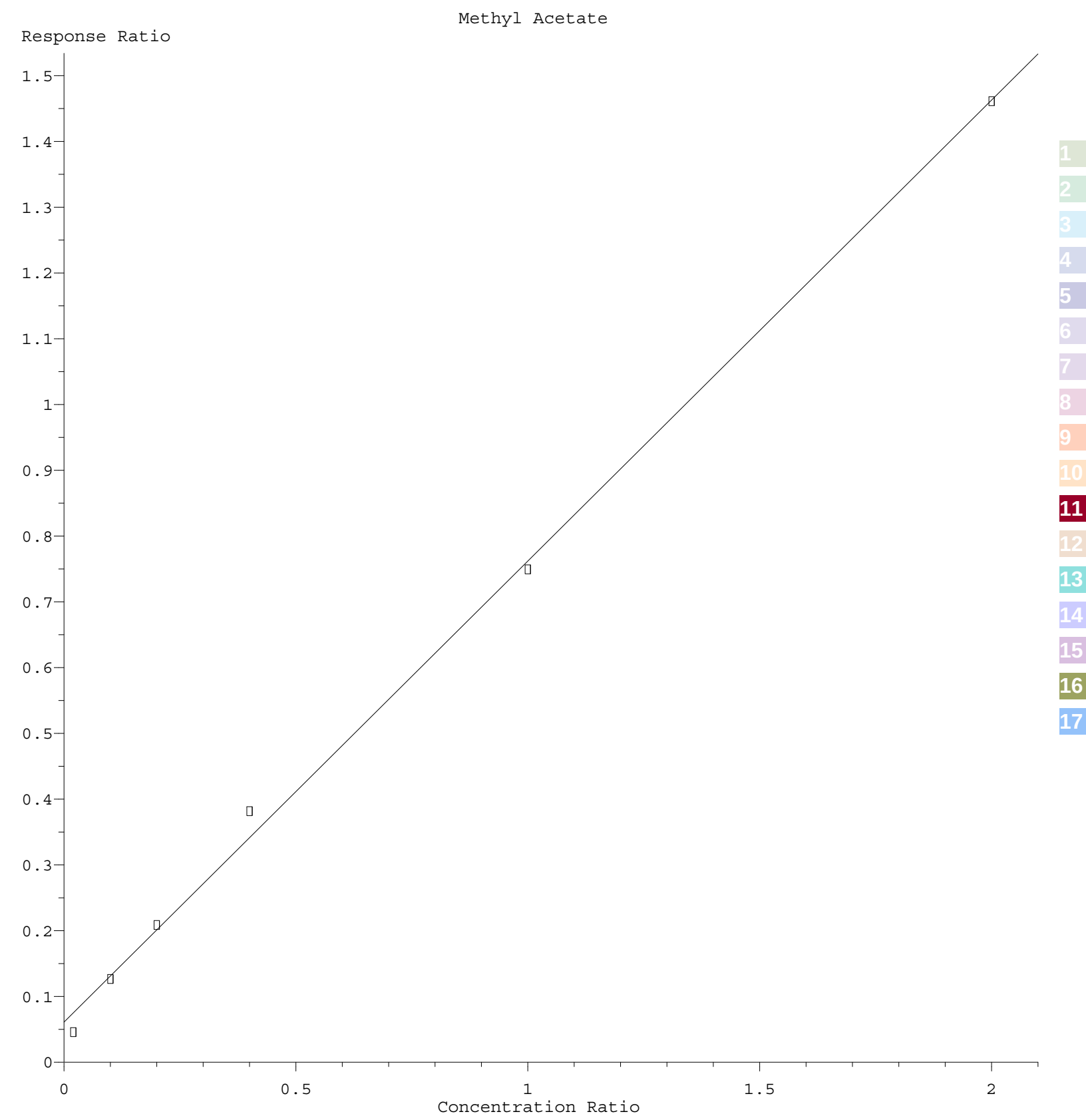
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N103024W.M

56)	T	Ethyl methacry...	0.371	0.449	0.477	0.495	0.539	0.550	0.480	13.66
57)	T	1,3-Dichloropr...	0.527	0.598	0.573	0.579	0.565	0.577	0.570	4.16
58)	T	2-Chloroethyl ...	0.167	0.202	0.214	0.229	0.262	0.275	0.225	17.62
59)	T	2-Hexanone	0.256	0.294	0.297	0.301	0.312	0.314	0.296	7.11
60)	T	Dibromochlorom...	0.312	0.377	0.393	0.391	0.394	0.404	0.378	8.92
61)	T	1,2-Dibromoethane	0.336	0.355	0.335	0.341	0.333	0.340	0.340	2.38
62)	S	4-Bromofluorob...		0.454	0.451	0.450	0.493	0.481	0.466	4.26
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.325	0.351	0.347	0.333	0.313	0.326	0.333	4.29
65)	PM	Chlorobenzene	1.146	1.164	1.123	1.149	1.061	1.068	1.119	3.93
66)	T	1,1,1,2-Tetrac...	0.399	0.404	0.390	0.392	0.375	0.375	0.389	3.01
67)	C	Ethyl Benzene	1.697	1.849	1.880	1.928	1.891	1.957	1.867	4.90#
68)	T	m/p-Xylenes	0.654	0.683	0.701	0.737	0.728	0.737	0.707	4.76
69)	T	o-Xylene	0.550	0.645	0.679	0.701	0.690	0.703	0.661	8.89
70)	T	Styrene	1.050	1.093	1.144	1.206	1.205	1.223	1.154	6.11
71)	P	Bromoform	0.286	0.302	0.289	0.298	0.295	0.287	0.293	2.26
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.188	3.402	3.605	3.701	3.570	3.558	3.504	5.21
74)	T	N-amyl acetate	1.223	1.572	1.527	1.552	1.528	1.546	1.491	8.88
75)	P	1,1,2,2-Tetrac...	1.222	1.317	1.190	1.163	1.073	1.052	1.170	8.39
76)	T	1,2,3-Trichlor...	1.246	1.013	1.020	0.958	0.887	0.873	0.999	13.58
77)	T	Bromobenzene	1.114	0.931	0.943	0.921	0.883	0.860	0.942	9.52
78)	T	n-propylbenzene	3.621	4.041	4.188	4.316	4.236	4.233	4.106	6.19
79)	T	2-Chlorotoluene	2.601	2.746	2.700	2.848	2.621	2.581	2.683	3.82
80)	T	1,3,5-Trimethy...	2.418	2.765	3.038	3.099	3.068	3.037	2.904	9.19
81)	T	trans-1,4-Dich...		0.431	0.446	0.423	0.401	0.406	0.421	4.33
82)	T	4-Chlorotoluene	3.049	2.848	2.822	2.838	2.716	2.667	2.823	4.70
83)	T	tert-Butylbenzene	1.893	2.271	2.461	2.648	2.531	2.617	2.403	11.81
84)	T	1,2,4-Trimethy...	2.579	2.766	3.075	3.265	3.148	3.151	2.997	8.86
85)	T	sec-Butylbenzene	2.962	3.145	3.517	3.608	3.538	3.600	3.395	8.04
86)	T	p-Isopropyltol...	2.218	2.518	2.843	3.003	3.050	3.075	2.784	12.43
87)	T	1,3-Dichlorobe...	2.264	1.884	1.802	1.770	1.668	1.642	1.838	12.33
88)	T	1,4-Dichlorobe...	2.773	1.879	1.867	1.782	1.674	1.646	1.937	21.72
89)	T	n-Butylbenzene	2.747	2.454	2.457	2.623	2.619	2.728	2.605	4.88
90)	T	Hexachloroethane	0.681	0.626	0.633	0.617	0.589	0.578	0.621	5.88
91)	T	1,2-Dichlorobe...	2.021	1.879	1.732	1.748	1.618	1.601	1.766	9.07
92)	T	1,2-Dibromo-3-...	0.272	0.274	0.226	0.229	0.217	0.204	0.237	12.28
93)	T	1,2,4-Trichlor...	1.353	0.956	0.881	0.895	0.865	0.852	0.967	19.90
94)	T	Hexachlorobuta...	0.551	0.438	0.403	0.426	0.369	0.359	0.425	16.33
95)	T	Naphthalene	3.355	2.788	2.710	2.953	2.780	2.778	2.894	8.29
96)	T	1,2,3-Trichlor...	1.189	0.939	0.877	0.953	0.841	0.832	0.939	14.09

(#) = Out of Range



R = -2.647e-002 A*A + 1.683e+000 A + 2.851e-002
Coef of Det (r^2) = 0.999927 Curve Fit: Quadratic
Method: C:\Chemstation\1\DataArchive\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024



Response = 7.012e-001 * Amt + 6.084e-002
Coef of Det (r^2) = 0.998099 Curve Fit: Linear
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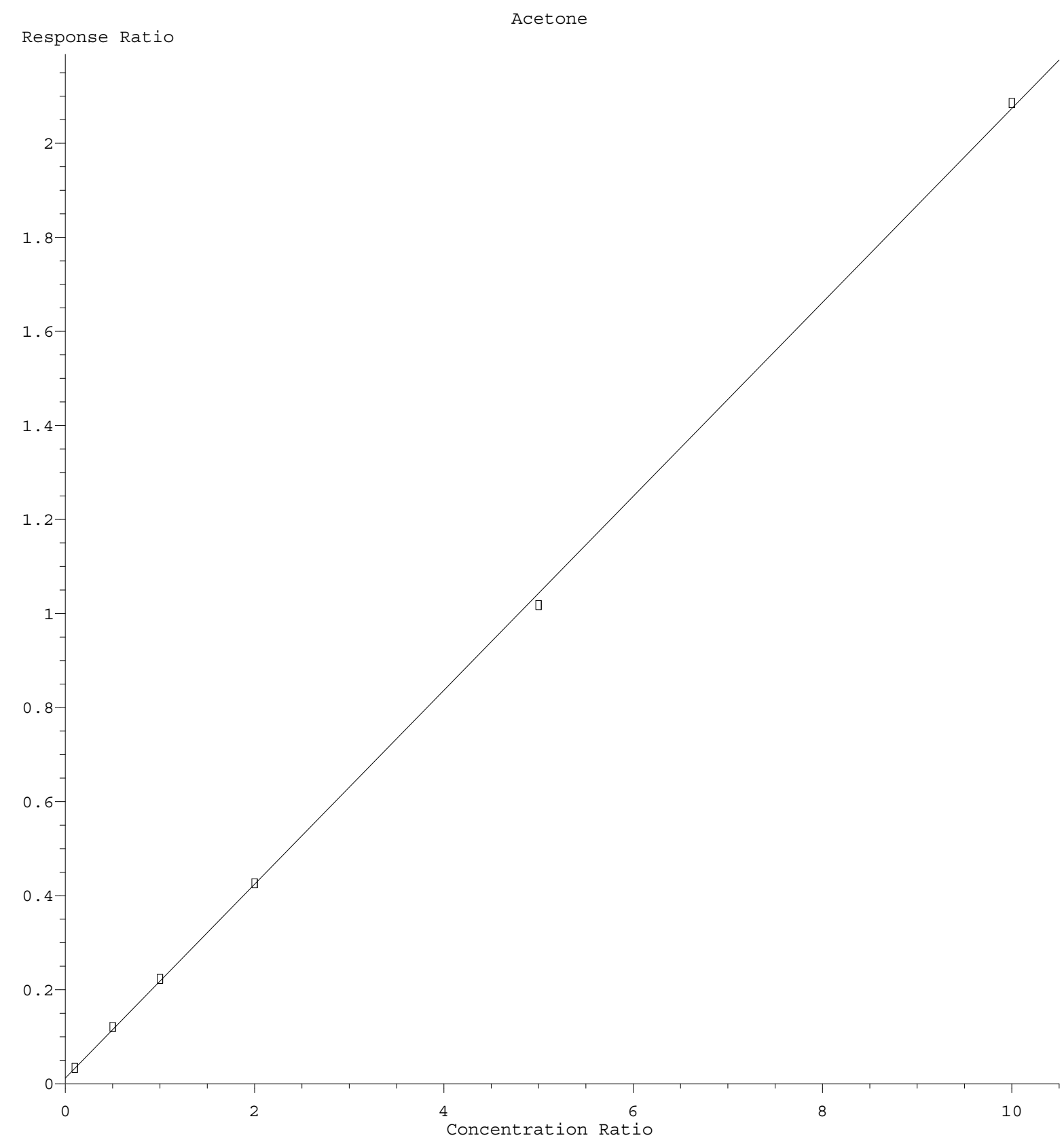
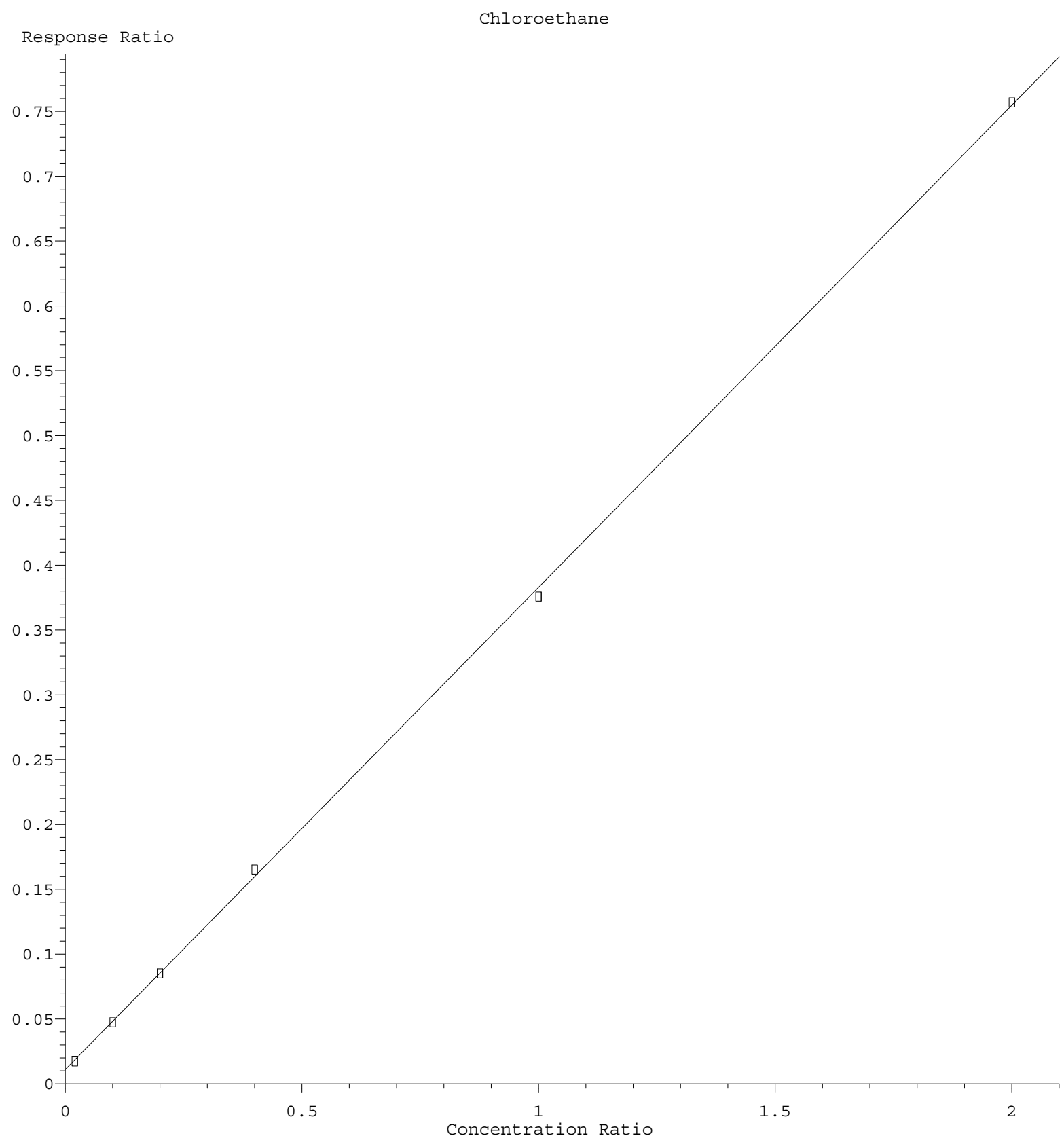
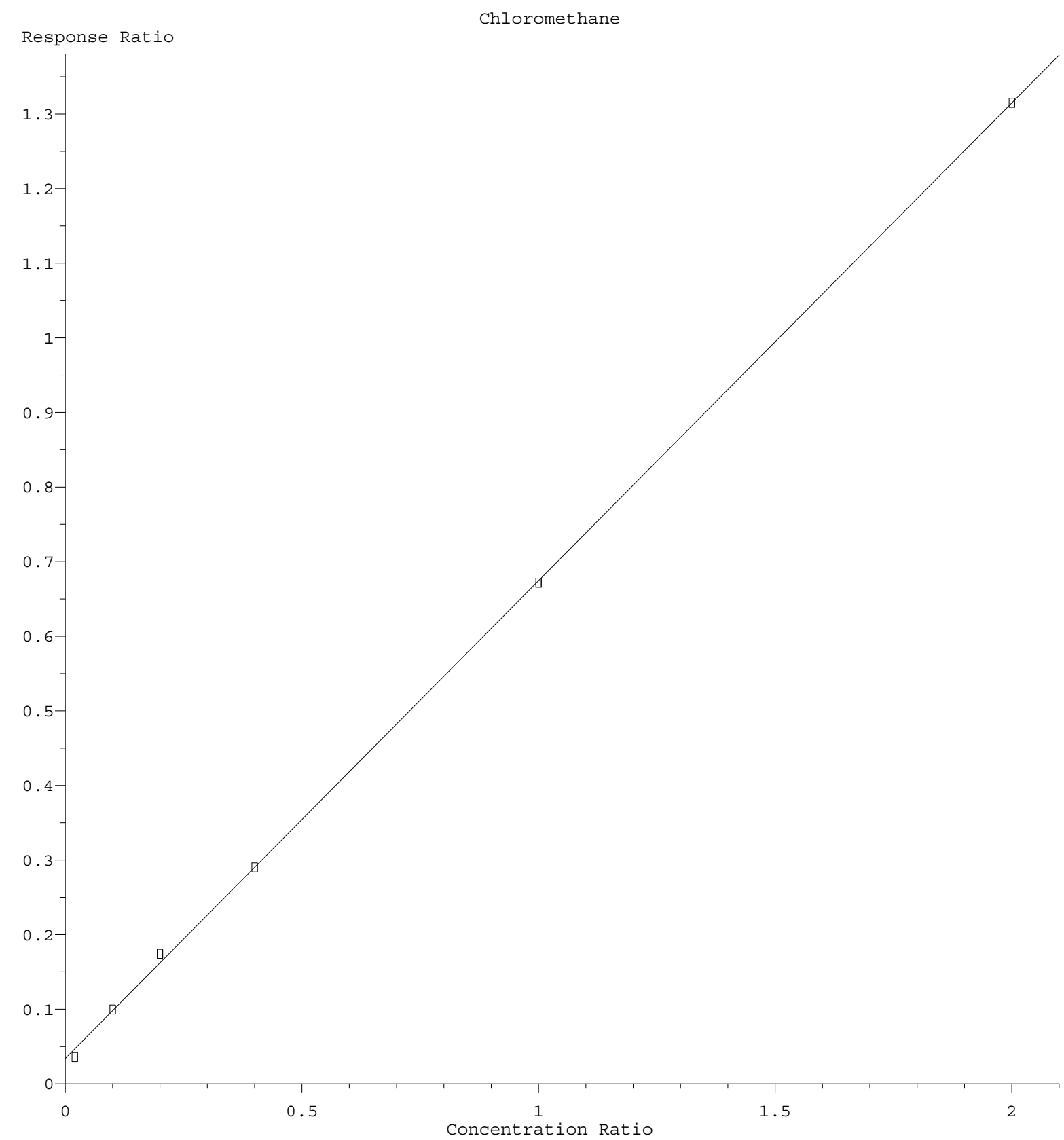
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024



Response = 2.062e-001 * Amt + 1.190e-002
Coef of Det (r^2) = 0.999735 Curve Fit: Linear
Method: C:\Chemserv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024



Response = 3.720e-001 * Amt + 1.067e-002
Coef of Det (r^2) = 0.999785 Curve Fit: Linear
Method: C:\Chemserv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024



Response = 6.405e-001 * Amt + 3.399e-002
Coef of Det (r^2) = 0.999766 Curve Fit: Linear
Method: C:\Chemserv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	187429	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	309230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	282514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	142702	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	258269	95.404	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 190.800%#			
35) Dibromofluoromethane	8.165	113	206417	98.617	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 197.240%#			
50) Toluene-d8	10.565	98	783727	101.646	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 203.300%#			
62) 4-Bromofluorobenzene	12.847	95	297647	103.292	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 206.580%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	214094	99.364	ug/l	93
3) Chloromethane	2.359	50	246492	100.015	ug/l	97
4) Vinyl Chloride	2.512	62	229760	99.144	ug/l	99
5) Bromomethane	2.901	94	109436	89.128	ug/l	97
6) Chloroethane	3.071	64	141883	100.310	ug/l	98
7) Trichlorofluoromethane	3.465	101	363937	95.335	ug/l	100
8) Diethyl Ether	3.953	74	131399	97.575	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.347	101	212244	98.394	ug/l	99
10) Methyl Iodide	4.577	142	272990	94.692	ug/l	96
11) Tert butyl alcohol	5.547	59	153595	429.840	ug/l	100
12) 1,1-Dichloroethene	4.324	96	205332	96.200	ug/l	98
13) Acrolein	4.171	56	161607	453.545	ug/l	100
14) Allyl chloride	5.012	41	350014	101.116	ug/l	92
15) Acrylonitrile	5.712	53	494070	477.613	ug/l	100
16) Acetone	4.424	43	390888	502.753	ug/l	98
17) Carbon Disulfide	4.700	76	601202	91.464	ug/l	99
18) Methyl Acetate	5.018	43	273870	99.857	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	664800	101.618	ug/l	99
20) Methylene Chloride	5.271	84	226231	95.017	ug/l	90
21) trans-1,2-Dichloroethene	5.777	96	211649	96.569	ug/l	93
22) Diisopropyl ether	6.665	45	696527	101.268	ug/l	99
23) Vinyl Acetate	6.600	43	2441301	514.697	ug/l	99
24) 1,1-Dichloroethane	6.559	63	399999	96.866	ug/l	98
25) 2-Butanone	7.483	43	591863	468.634	ug/l	98
26) 2,2-Dichloropropane	7.483	77	362927	100.979	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	252932	98.835	ug/l	96
28) Bromochloromethane	7.812	49	180881	109.944	ug/l	96
29) Tetrahydrofuran	7.835	42	415033	495.347	ug/l	97
30) Chloroform	7.959	83	412084	98.045	ug/l	100
31) Cyclohexane	8.253	56	358350	95.881	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	374940	98.012	ug/l	98
36) 1,1-Dichloropropene	8.365	75	294131	101.323	ug/l	99
37) Ethyl Acetate	7.559	43	262200	99.553	ug/l	98
38) Carbon Tetrachloride	8.359	117	327651	100.981	ug/l	98
39) Methylcyclohexane	9.600	83	337677	114.344	ug/l	97
40) Benzene	8.600	78	924038	99.119	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	145041	102.406 ug/l	95
42) 1,2-Dichloroethane	8.665	62	301932	100.005 ug/l	100
43) Isopropyl Acetate	8.688	43	485962	100.857 ug/l	99
44) Trichloroethene	9.347	130	209438	97.413 ug/l	98
45) 1,2-Dichloropropane	9.618	63	220258	100.718 ug/l	95
46) Dibromomethane	9.706	93	151661	98.281 ug/l	98
47) Bromodichloromethane	9.888	83	326466	100.364 ug/l #	96
48) Methyl methacrylate	9.677	41	219838	107.249 ug/l	98
49) 1,4-Dioxane	9.694	88	76189	2097.505 ug/l #	80
51) 4-Methyl-2-Pentanone	10.447	43	1312148	522.607 ug/l	99
52) Toluene	10.629	92	570832	104.696 ug/l	100
53) t-1,3-Dichloropropene	10.835	75	341196	101.334 ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	366358	102.804 ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	207689	101.124 ug/l	97
56) Ethyl methacrylate	10.871	69	340367	114.573 ug/l	97
57) 1,3-Dichloropropane	11.165	76	357131	101.320 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	849817	611.330 ug/l	98
59) 2-Hexanone	11.194	43	971064	531.346 ug/l	97
60) Dibromochloromethane	11.359	129	249733	106.691 ug/l	99
61) 1,2-Dibromoethane	11.471	107	210043	99.870 ug/l	100
64) Tetrachloroethene	11.100	164	184478	98.169 ug/l	96
65) Chlorobenzene	11.888	112	603595	95.500 ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	212055	96.458 ug/l	99
67) Ethyl Benzene	11.965	91	1106035	104.837 ug/l	99
68) m/p-Xylenes	12.070	106	832448	208.419 ug/l	99
69) o-Xylene	12.400	106	397449	106.372 ug/l	100
70) Styrene	12.412	104	691175	106.042 ug/l	98
71) Bromoform	12.582	173	162189	98.044 ug/l #	97
73) Isopropylbenzene	12.694	105	1015352	101.533 ug/l	100
74) N-amyl acetate	12.494	43	441232	103.666 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	300162	89.924 ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	249062m	88.446 ug/l	
77) Bromobenzene	12.982	156	245558	91.341 ug/l	94
78) n-propylbenzene	13.035	91	1208185	103.100 ug/l	98
79) 2-Chlorotoluene	13.123	91	736738	96.217 ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	866736	104.573 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	115847	96.347 ug/l	98
82) 4-Chlorotoluene	13.217	91	761196	94.462 ug/l	99
83) tert-Butylbenzene	13.435	119	746926	108.888 ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	899374	105.136 ug/l	99
85) sec-Butylbenzene	13.617	105	1027413	106.032 ug/l	99
86) p-Isopropyltoluene	13.729	119	877717	110.451 ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	468620	89.320 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	469714	100.067 ug/l	98
89) n-Butylbenzene	14.053	91	778487	104.727 ug/l	100
90) Hexachloroethane	14.335	117	165030	93.123 ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	456925	90.631 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	58247	86.136 ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	243087	88.091 ug/l	99
94) Hexachlorobutadiene	15.500	225	102558	84.631 ug/l	99
95) Naphthalene	15.641	128	792903	95.997 ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	237515	88.667 ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
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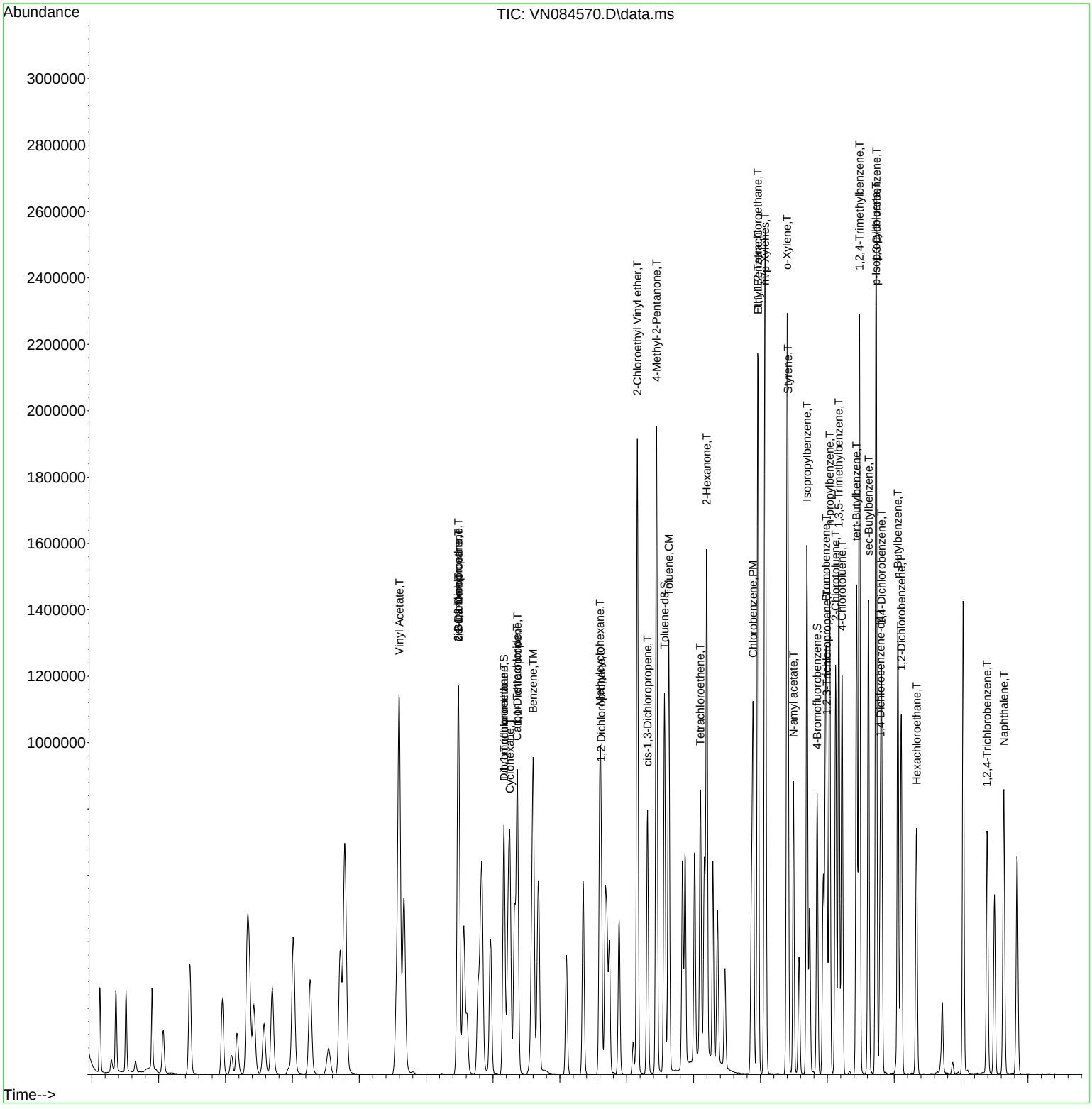
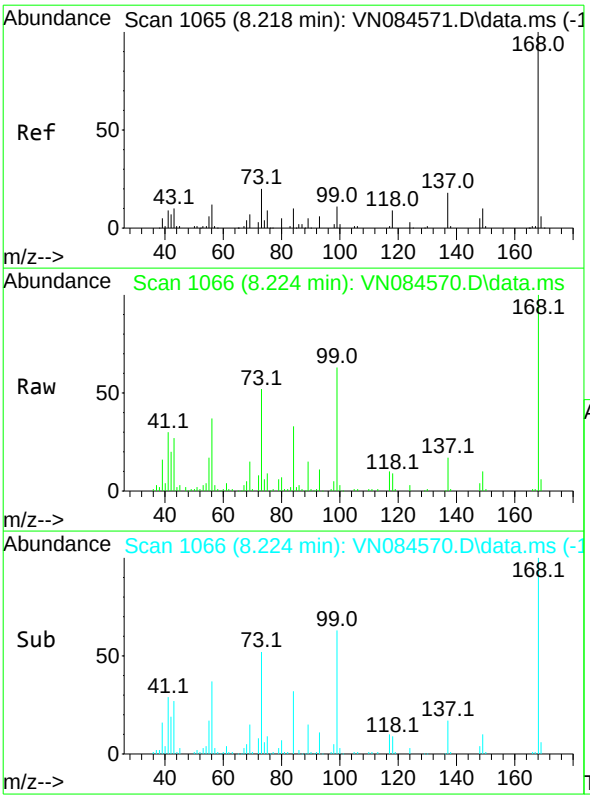
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

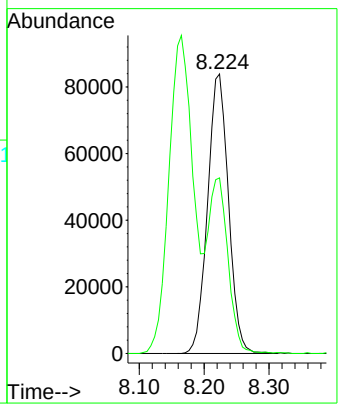




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:168 Resp: 187429

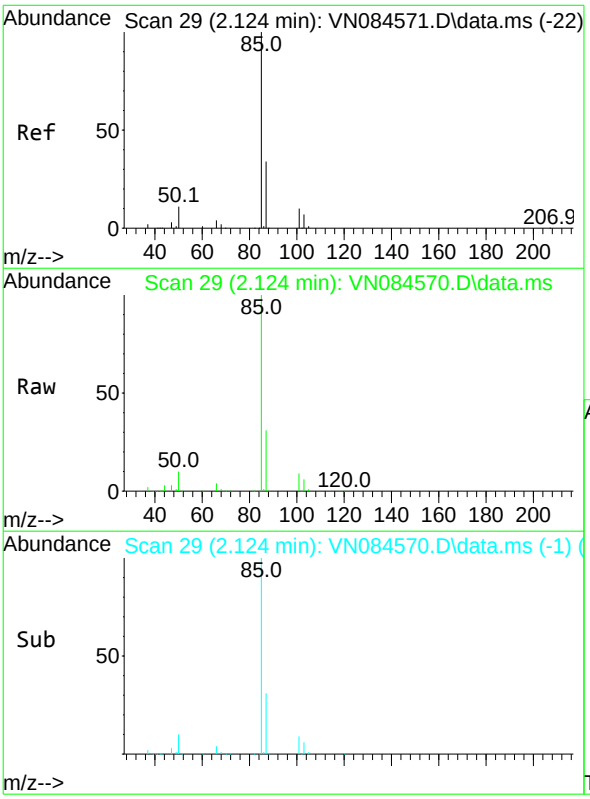
Ion	Ratio	Lower	Upper
168	100		
99	62.5	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

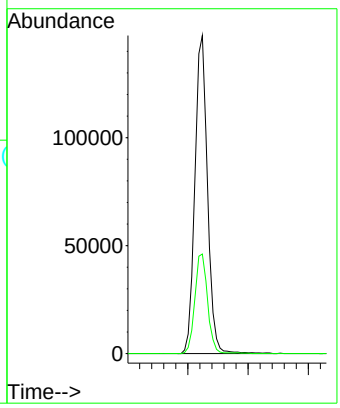
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

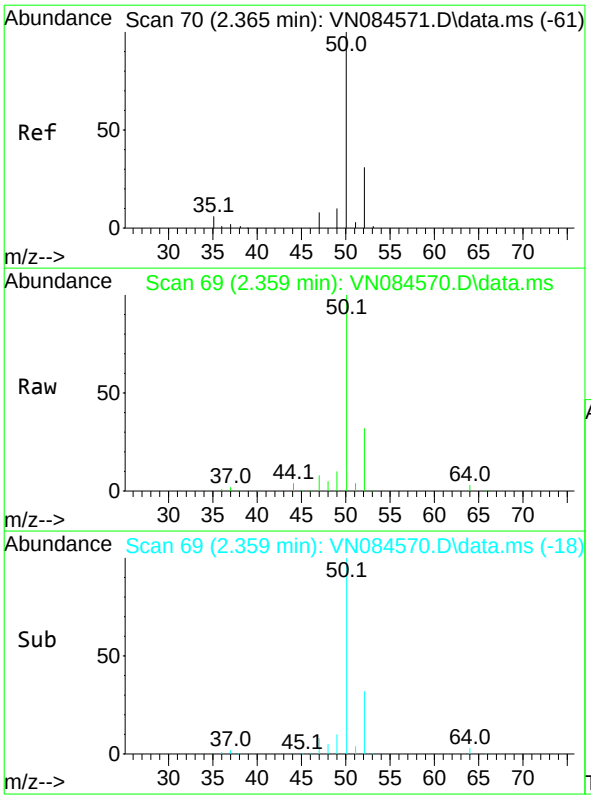


#2
Dichlorodifluoromethane
Concen: 99.364 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 85 Resp: 214094

Ion	Ratio	Lower	Upper
85	100		
87	31.3	17.6	52.9

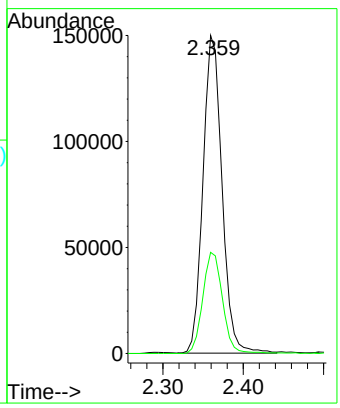




#3
Chloromethane
Concen: 100.015 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 50 Resp: 246492

Ion	Ratio	Lower	Upper
50	100		
52	31.8	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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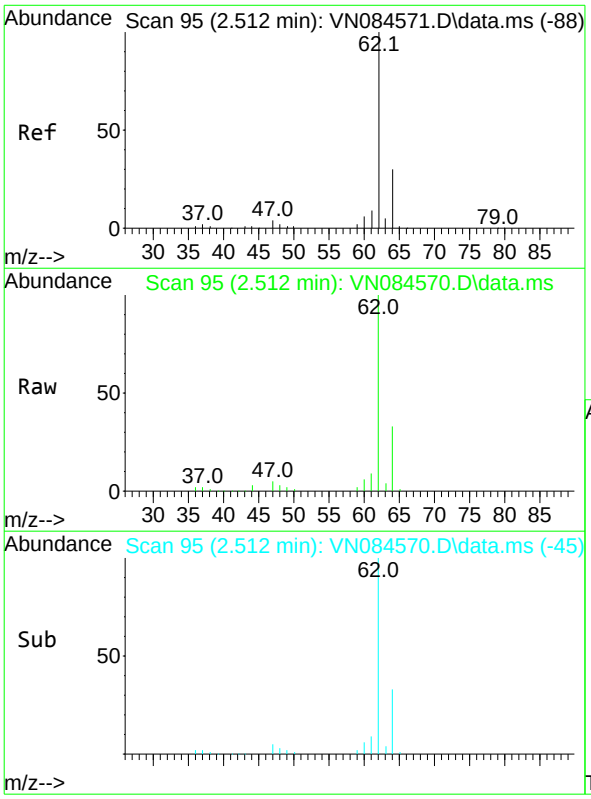
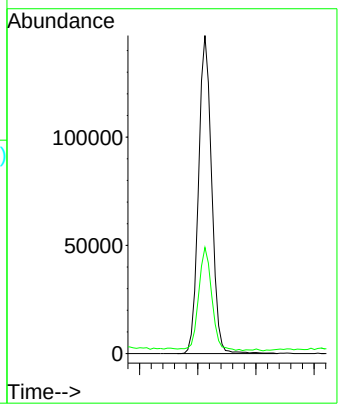
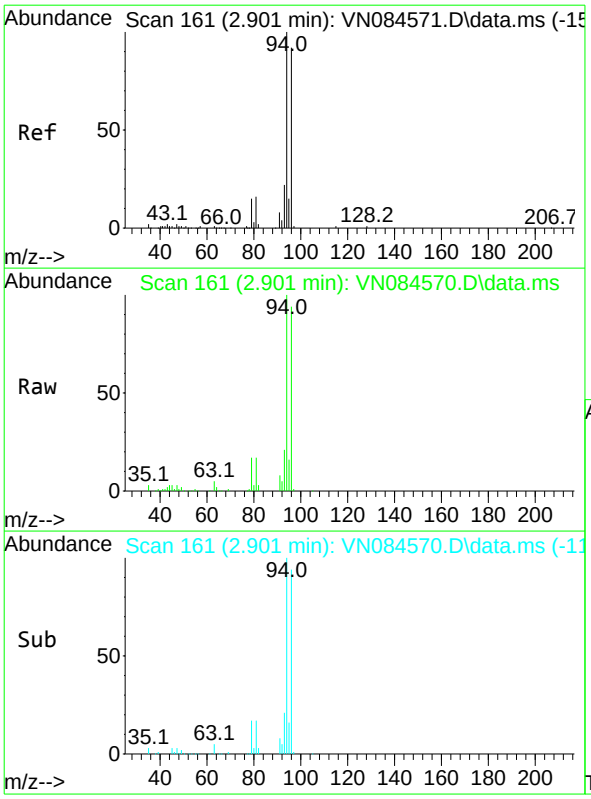


#4
Vinyl Chloride
Concen: 99.144 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 62 Resp: 229760

Ion	Ratio	Lower	Upper
62	100		
64	32.1	26.2	39.4

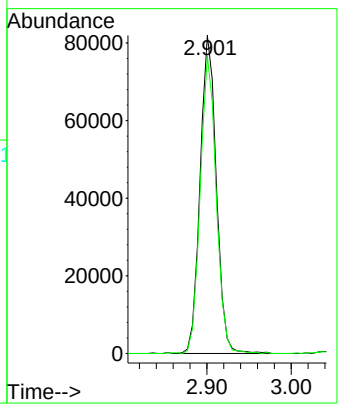




#5
Bromomethane
Concen: 89.128 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.052 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 94 Resp: 109436

Ion	Ratio	Lower	Upper
94	100		
96	93.6	72.9	109.3



Instrument :
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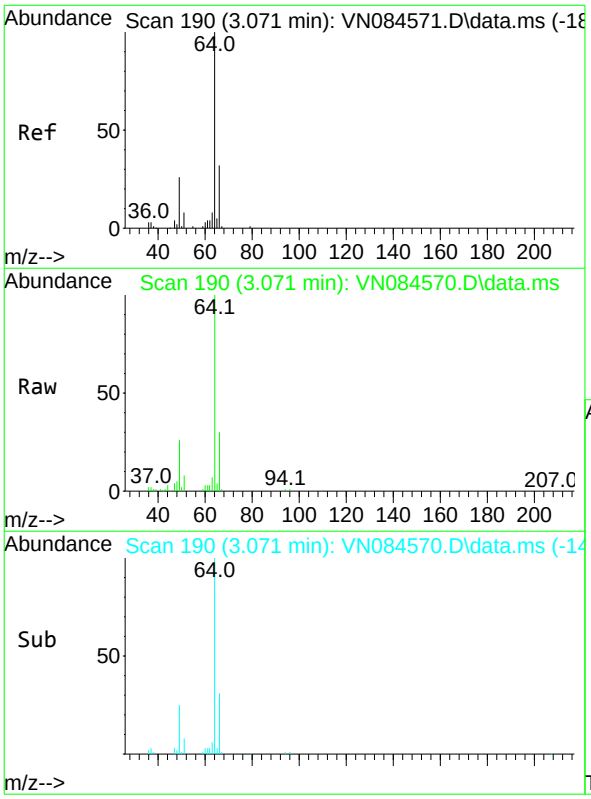
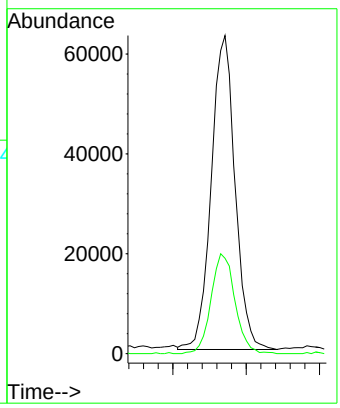
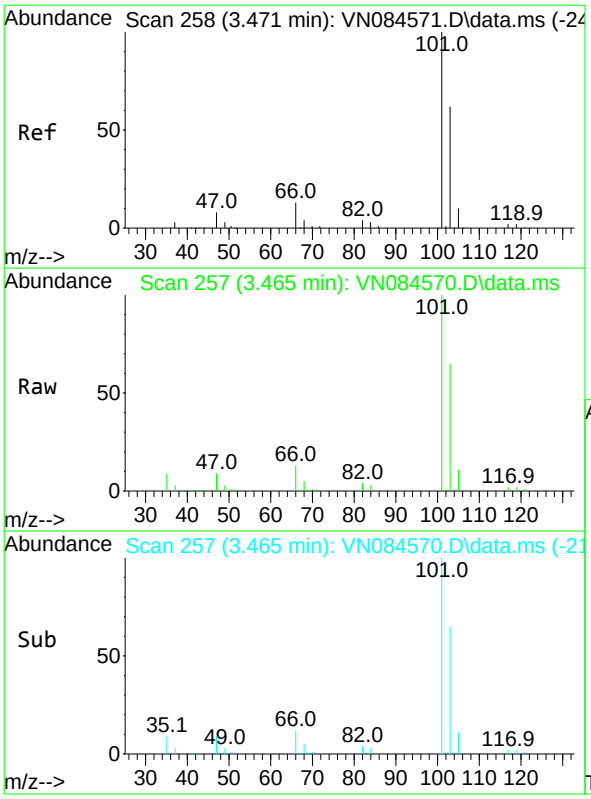


#6
Chloroethane
Concen: 100.310 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.047 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 64 Resp: 141883

Ion	Ratio	Lower	Upper
64	100		
66	30.4	23.5	35.3

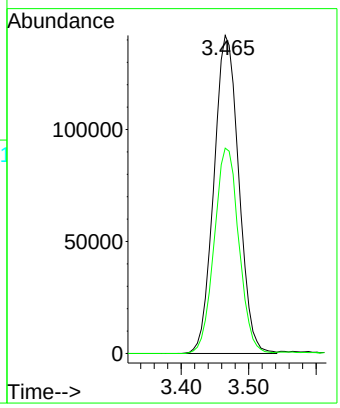




#7
Trichlorofluoromethane
Concen: 95.335 ug/l
RT: 3.465 min Scan# 25
Delta R.T. -0.030 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:101 Resp: 363937

Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.8	77.6



Instrument :
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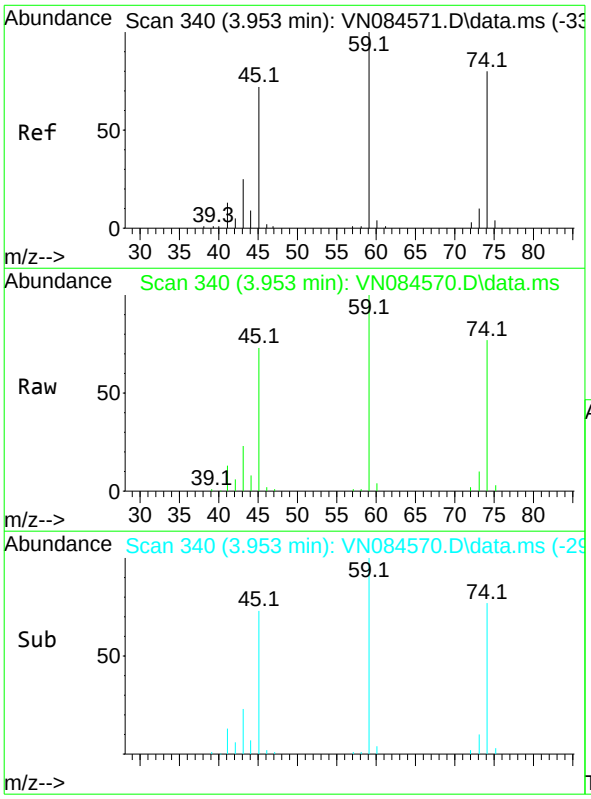
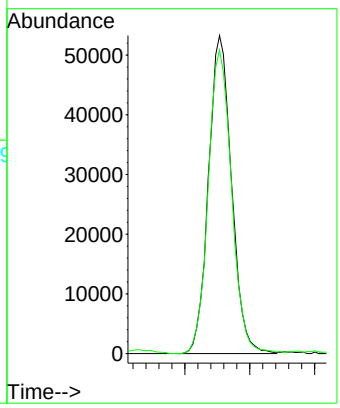
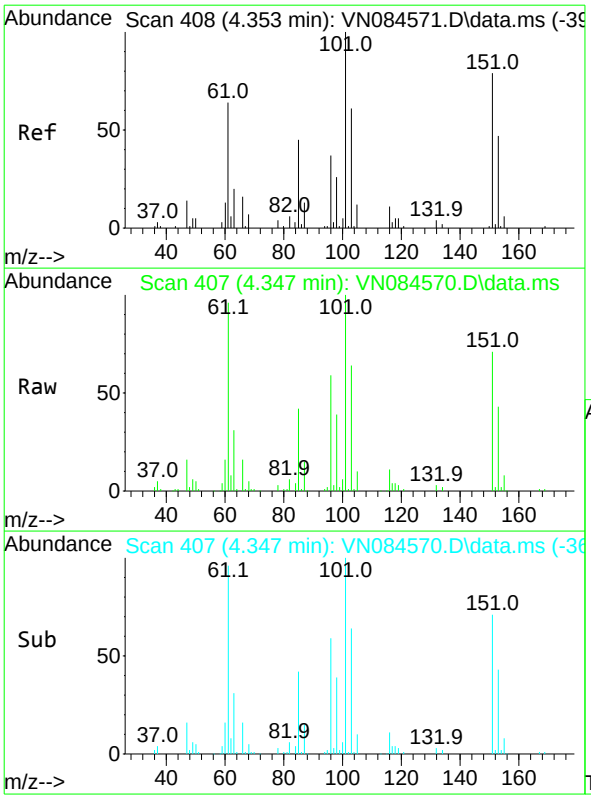


#8
Diethyl Ether
Concen: 97.575 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 74 Resp: 131399

Ion	Ratio	Lower	Upper
74	100		
45	96.8	47.7	143.1

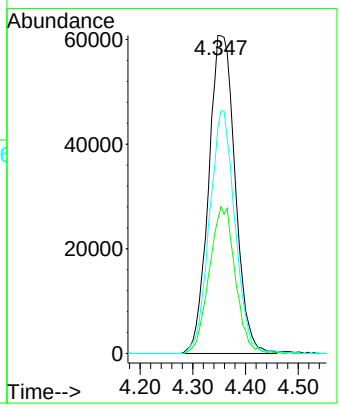




#9
1,1,2-Trichlorotrifluoroethane
Concen: 98.394 ug/l
RT: 4.347 min Scan# 40
Delta R.T. -0.024 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:101 Resp: 212244

Ion	Ratio	Lower	Upper
101	100		
85	45.2	36.2	54.4
151	73.1	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
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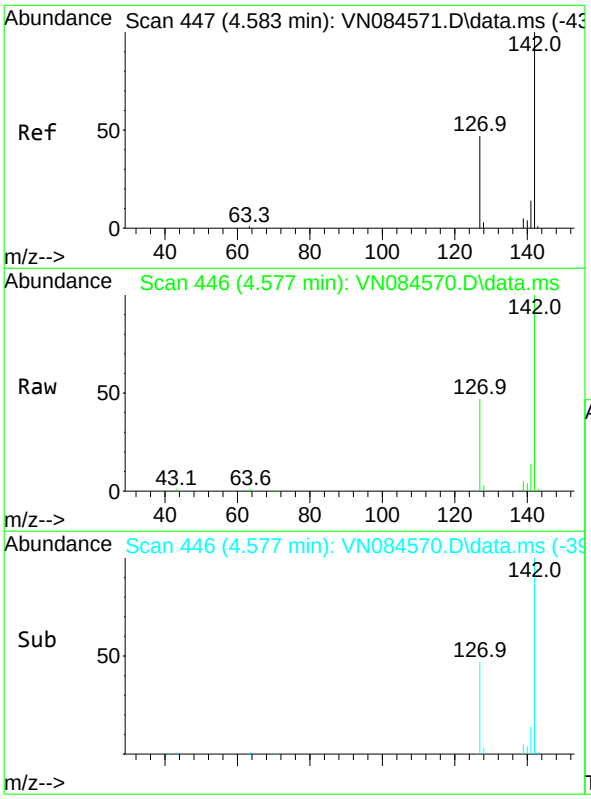
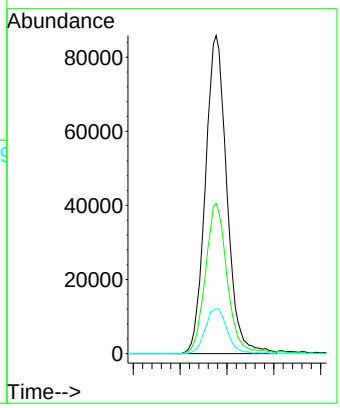
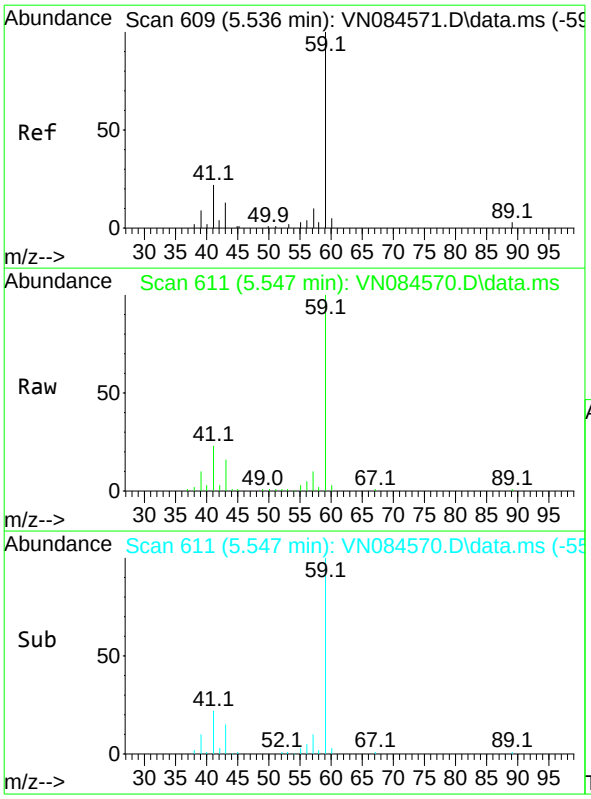


#10
Methyl Iodide
Concen: 94.692 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:142 Resp: 272990

Ion	Ratio	Lower	Upper
142	100		
127	47.2	35.3	52.9
141	14.1	11.0	16.6

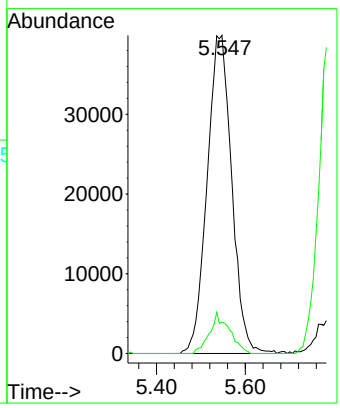




#11
Tert butyl alcohol
Concen: 429.840 ug/l
RT: 5.547 min Scan# 61
Delta R.T. 0.024 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 59 Resp: 153595

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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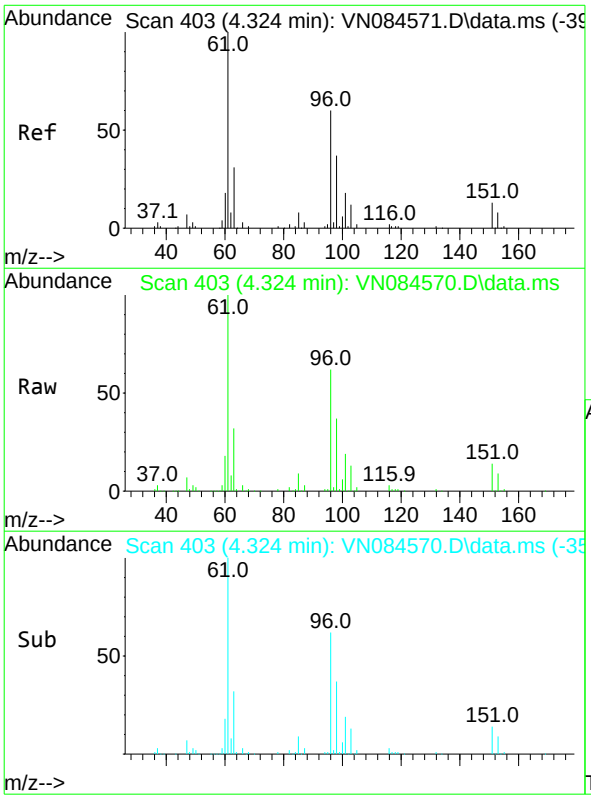
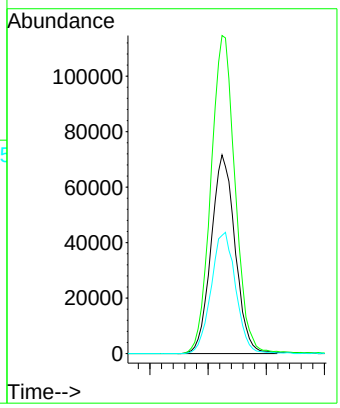
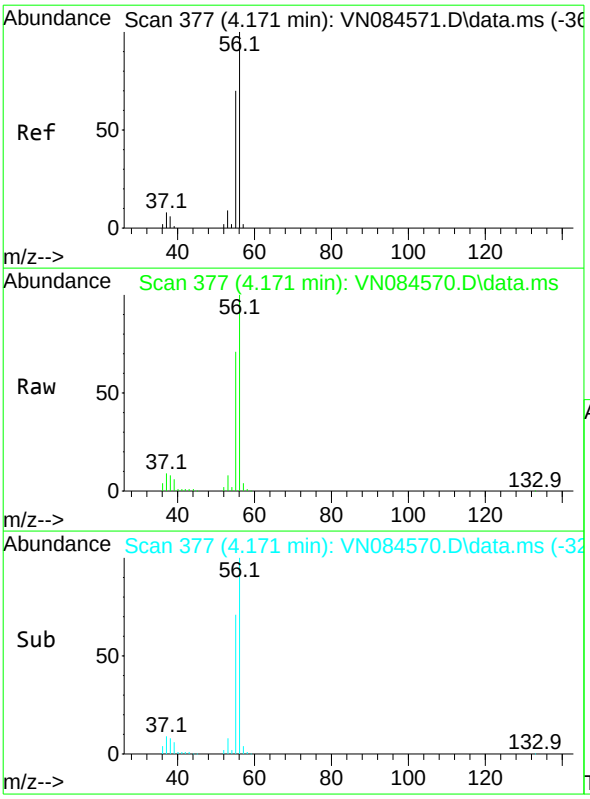


#12
1,1-Dichloroethene
Concen: 96.200 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 96 Resp: 205332

Ion	Ratio	Lower	Upper
96	100		
61	160.1	128.6	192.8
98	59.5	51.7	77.5

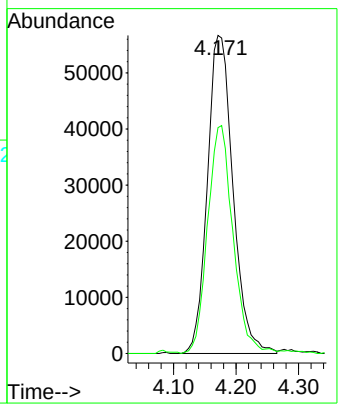




#13
Acrolein
Concen: 453.545 ug/l
RT: 4.171 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 56 Resp: 161607

Ion	Ratio	Lower	Upper
56	100		
55	71.1	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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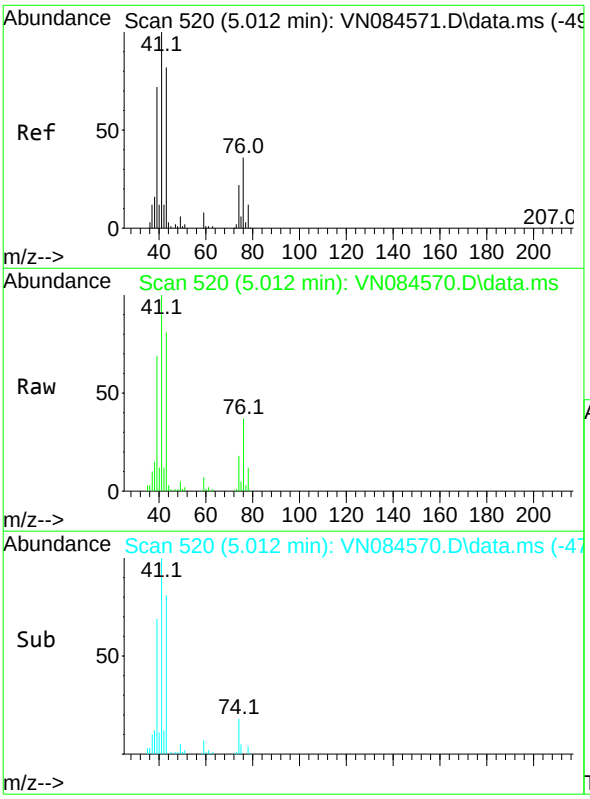
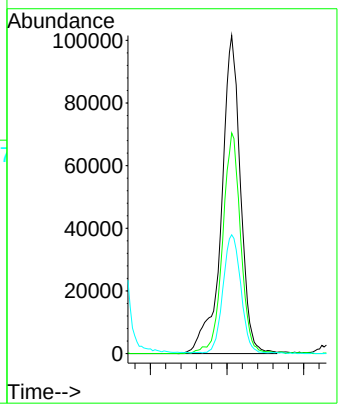
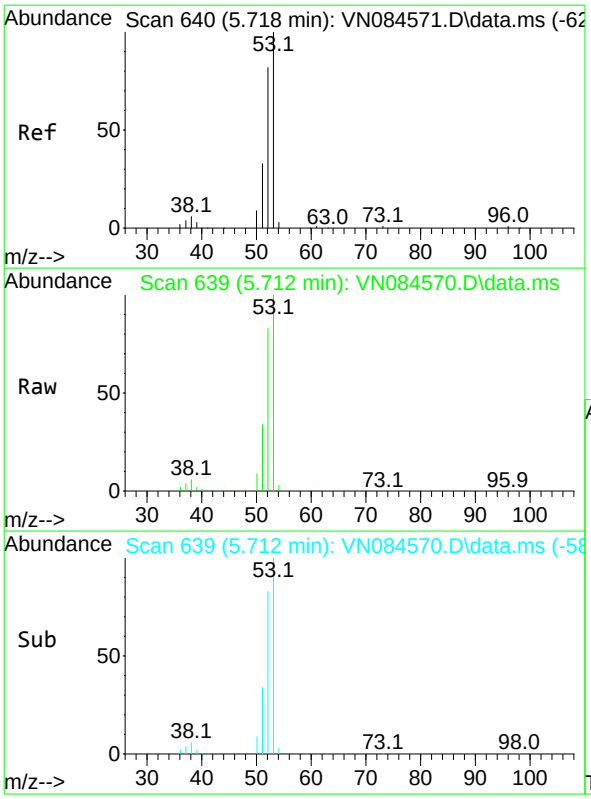


#14
Allyl chloride
Concen: 101.116 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 41 Resp: 350014

Ion	Ratio	Lower	Upper
41	100		
39	65.5	59.0	88.6
76	34.6	29.8	44.6

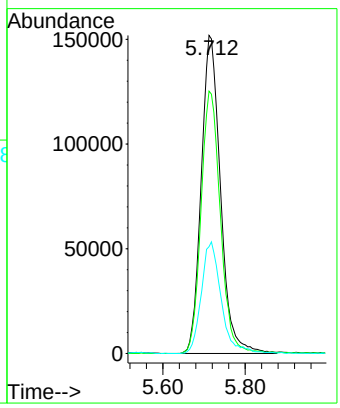




#15
Acrylonitrile
Concen: 477.613 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 53 Resp: 494070

Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.4
51	36.2	28.8	43.2



Instrument :
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ClientSampleId :
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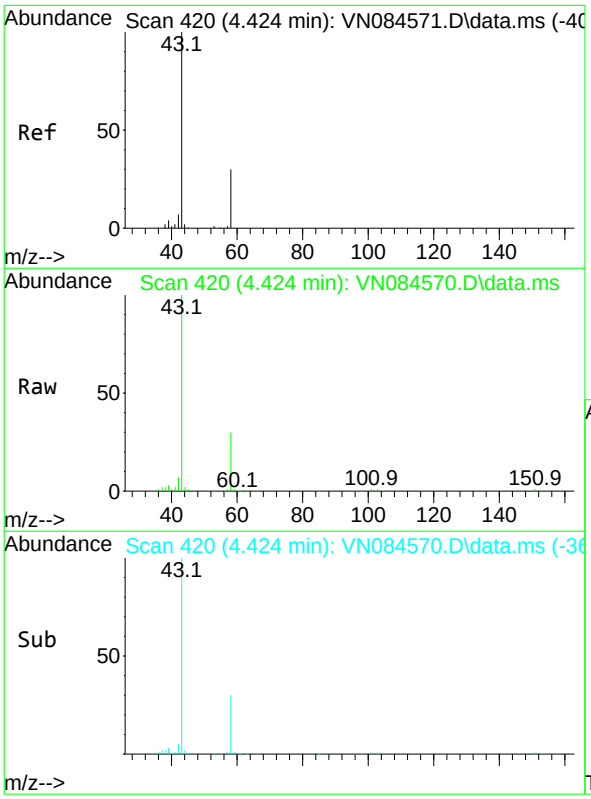
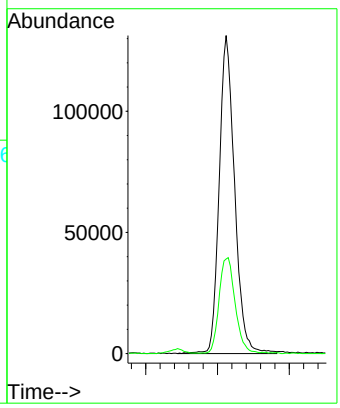
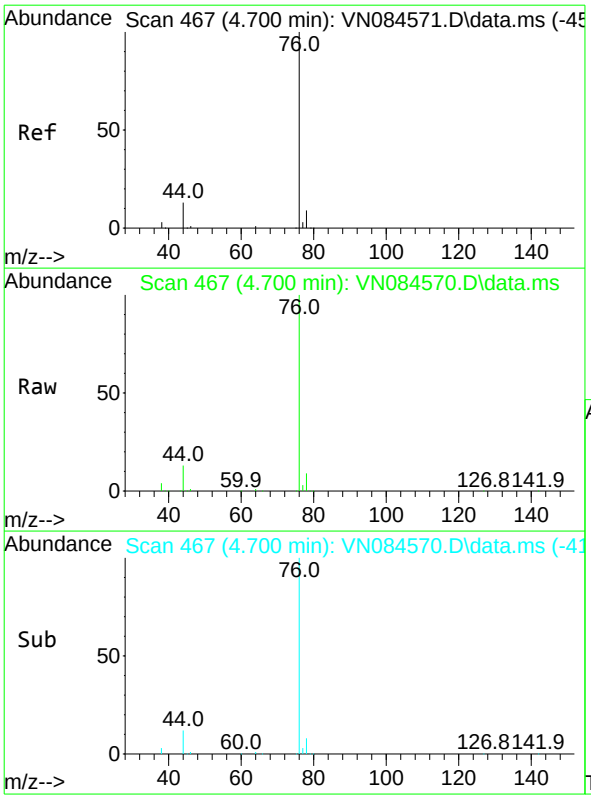


#16
Acetone
Concen: 502.753 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 43 Resp: 390888

Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.4	36.6

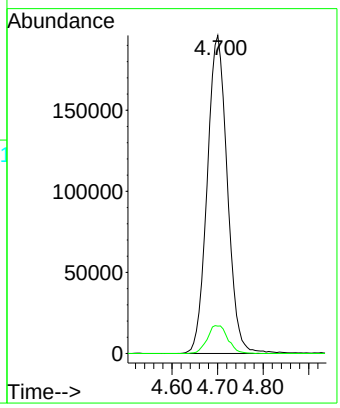




#17
Carbon Disulfide
Concen: 91.464 ug/l
RT: 4.700 min Scan# 46
Delta R.T. -0.012 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 76 Resp: 601202

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9



Instrument :
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ClientSampleId :
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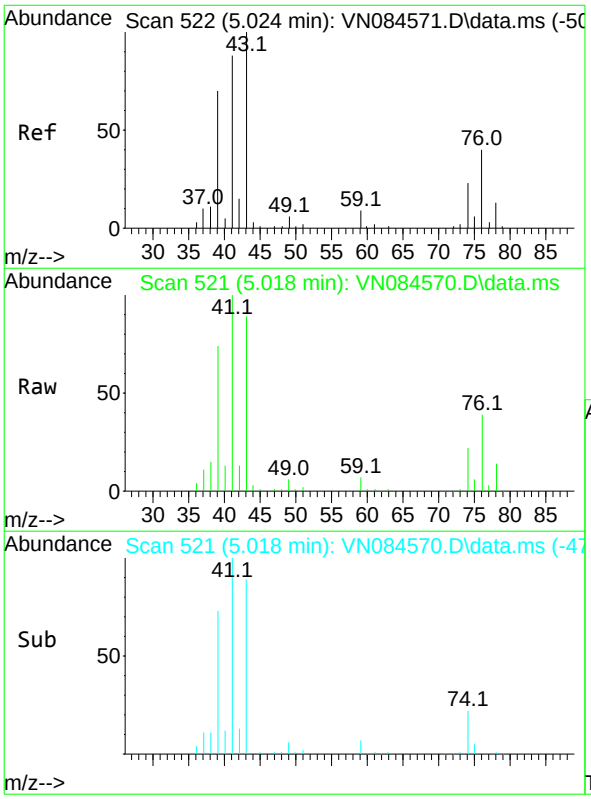
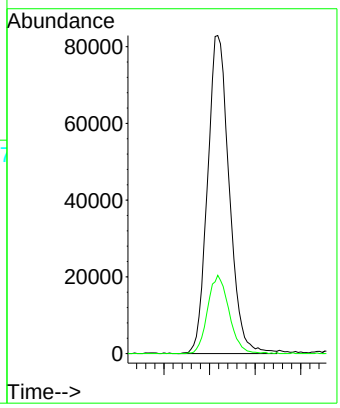
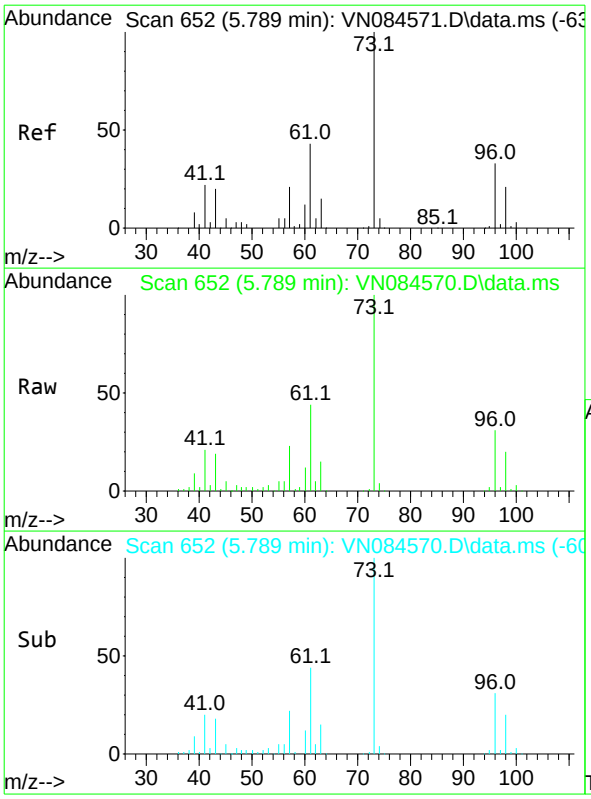


#18
Methyl Acetate
Concen: 99.857 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 43 Resp: 273870

Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.2	28.8

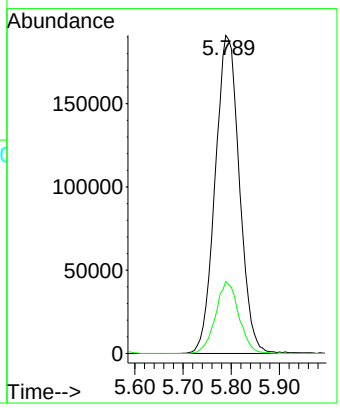




#19
Methyl tert-butyl Ether
Concen: 101.618 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 73 Resp: 664800

Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.7	26.5



Instrument :
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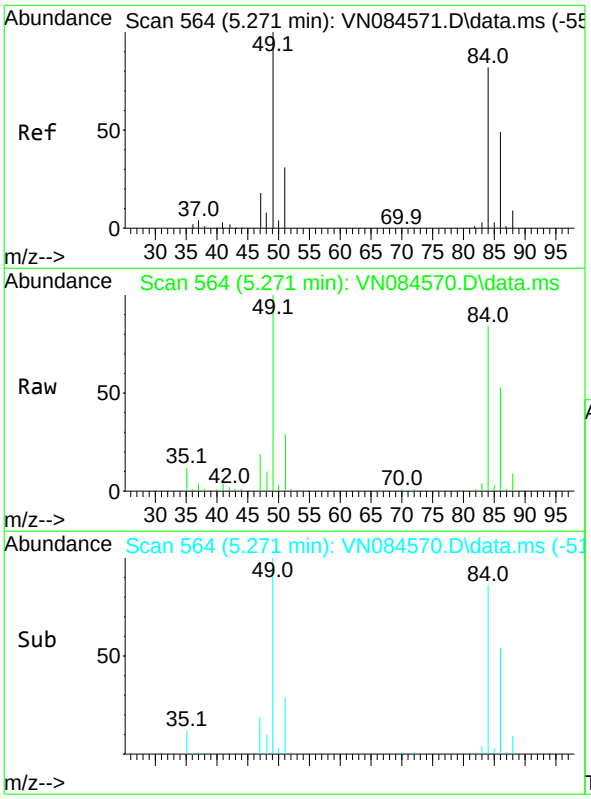
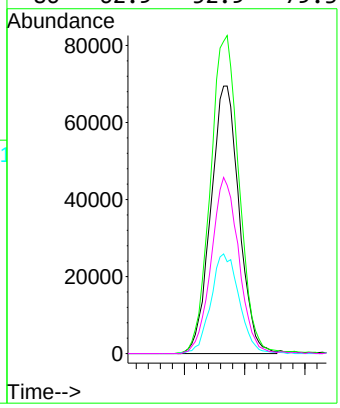
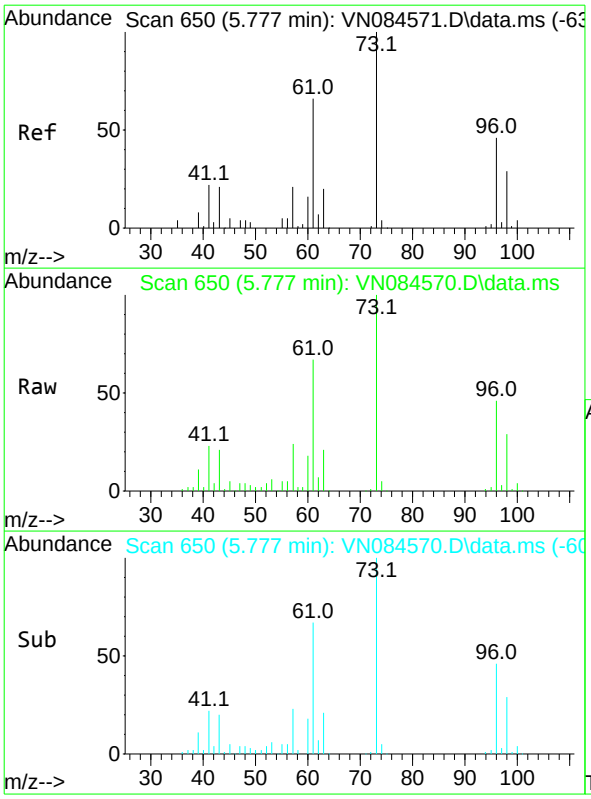


#20
Methylene Chloride
Concen: 95.017 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 84 Resp: 226231

Ion	Ratio	Lower	Upper
84	100		
49	118.6	107.2	160.8
51	34.3	31.8	47.8
86	62.9	52.9	79.3

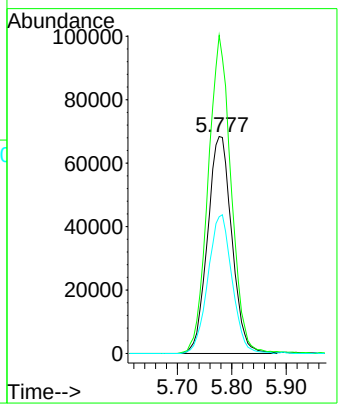




#21
trans-1,2-Dichloroethene
Concen: 96.569 ug/l
RT: 5.777 min Scan# 65
Delta R.T. -0.012 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 96 Resp: 211649

Ion	Ratio	Lower	Upper
96	100		
61	146.6	108.4	162.6
98	63.0	49.8	74.8



Instrument :
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ClientSampleId :
VSTDICC100

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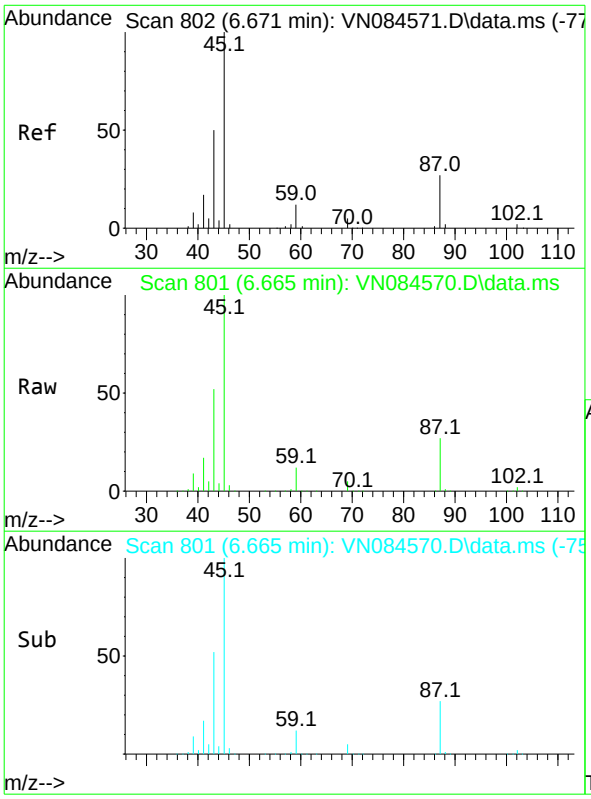
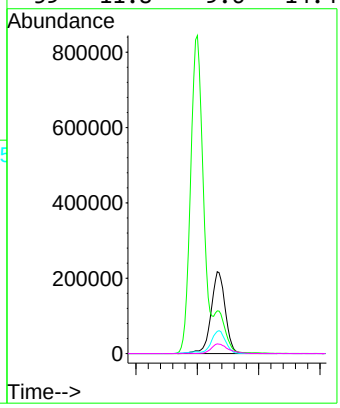
Supervised By :Mahesh Dadoda 11/04/2024

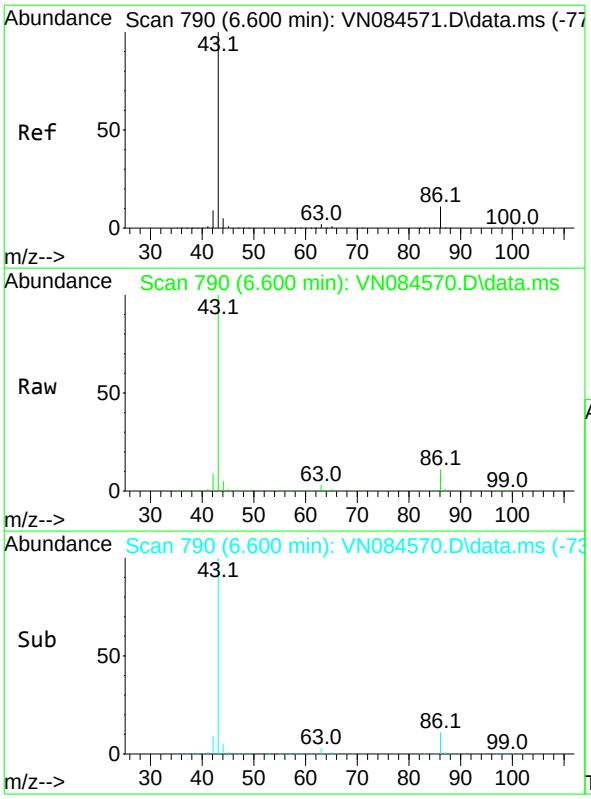


#22
Diisopropyl ether
Concen: 101.268 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 45 Resp: 696527

Ion	Ratio	Lower	Upper
45	100		
43	51.8	42.3	63.5
87	27.1	21.8	32.6
59	11.8	9.6	14.4

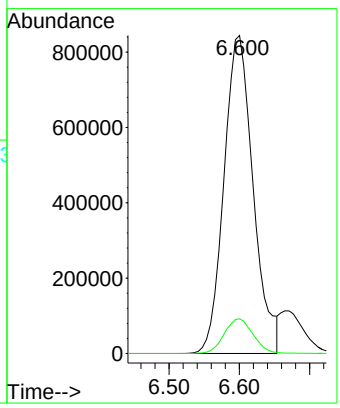




#23
Vinyl Acetate
Concen: 514.697 ug/l
RT: 6.600 min Scan# 79
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 43 Resp: 2441301

Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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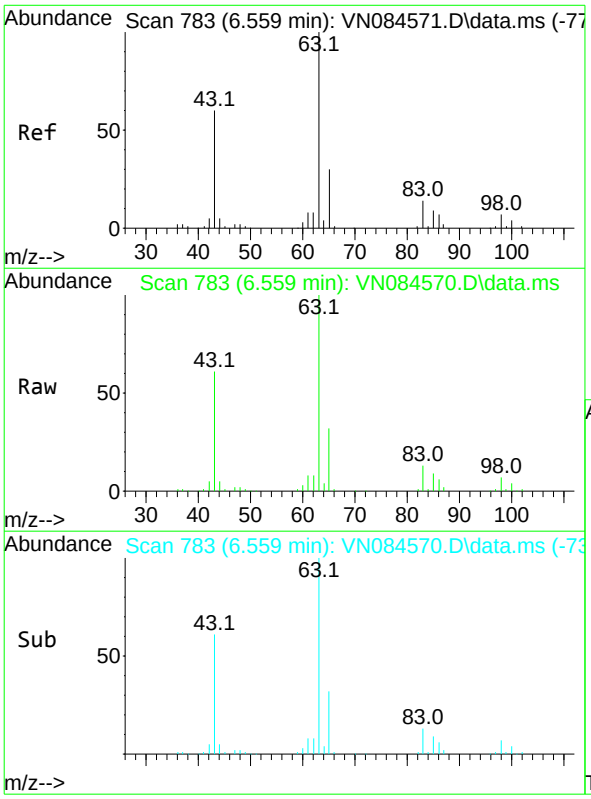
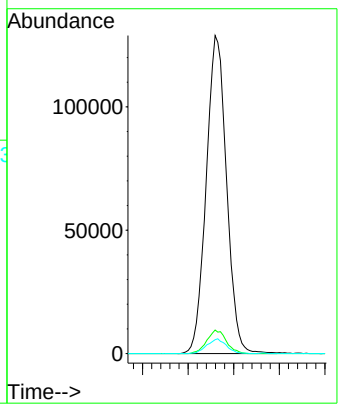
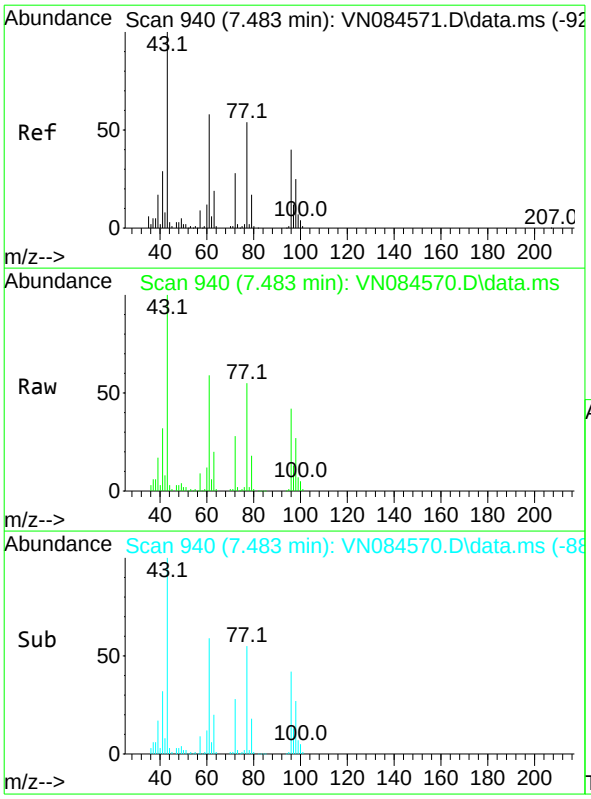


#24
1,1-Dichloroethane
Concen: 96.866 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 63 Resp: 399999

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.4	10.2
100	4.4	2.0	5.8

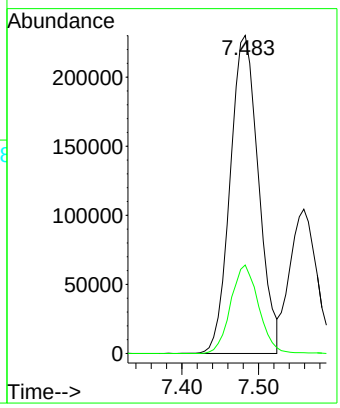




#25
2-Butanone
Concen: 468.634 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 43 Resp: 591863

Ion	Ratio	Lower	Upper
43	100		
72	27.8	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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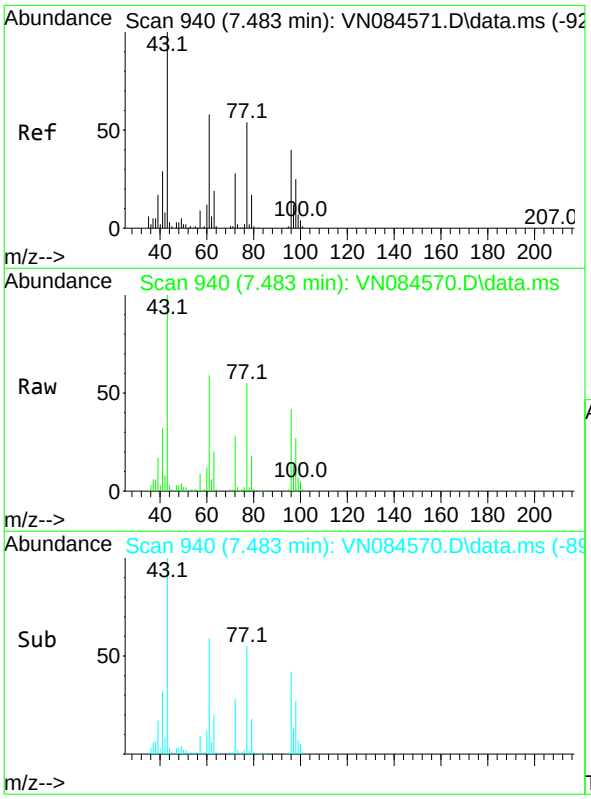
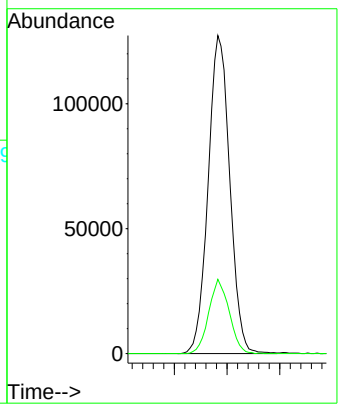
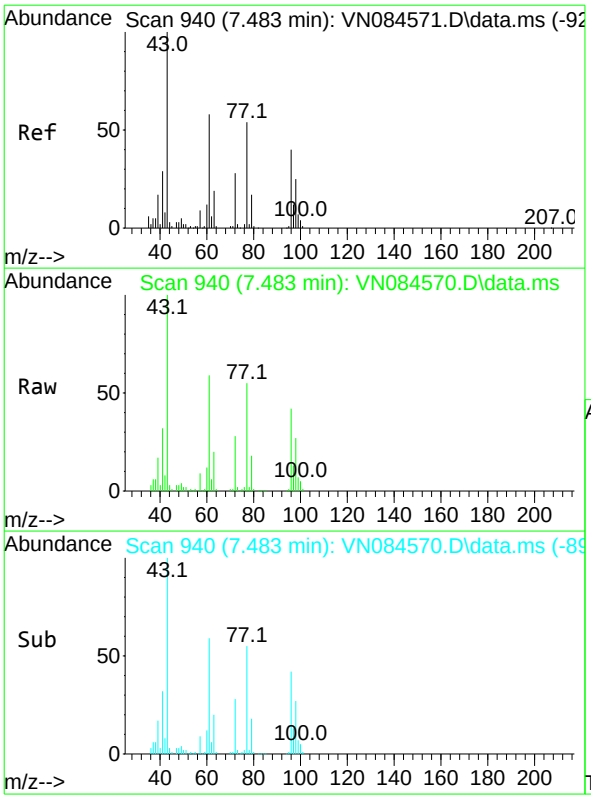


#26
2,2-Dichloropropane
Concen: 100.979 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 77 Resp: 362927

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.8	32.3

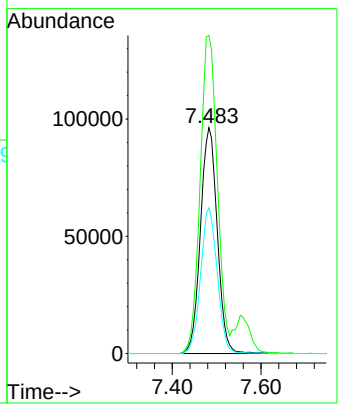




#27
cis-1,2-Dichloroethene
Concen: 98.835 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 96 Resp: 252932

Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	301.8
98	63.9	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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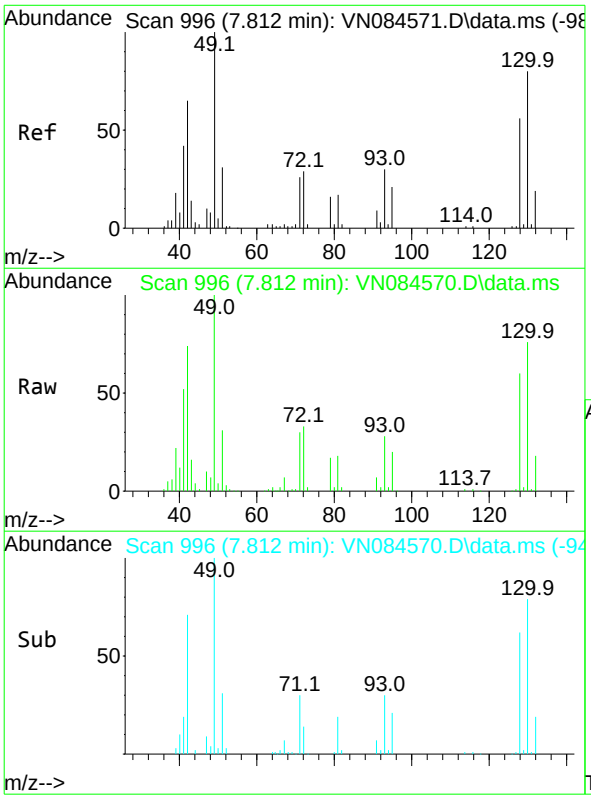
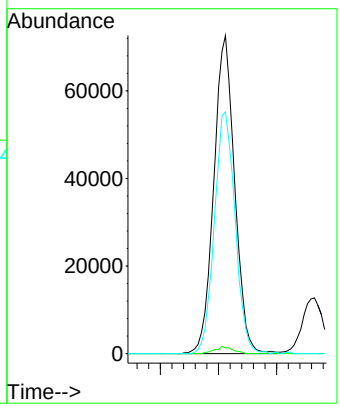
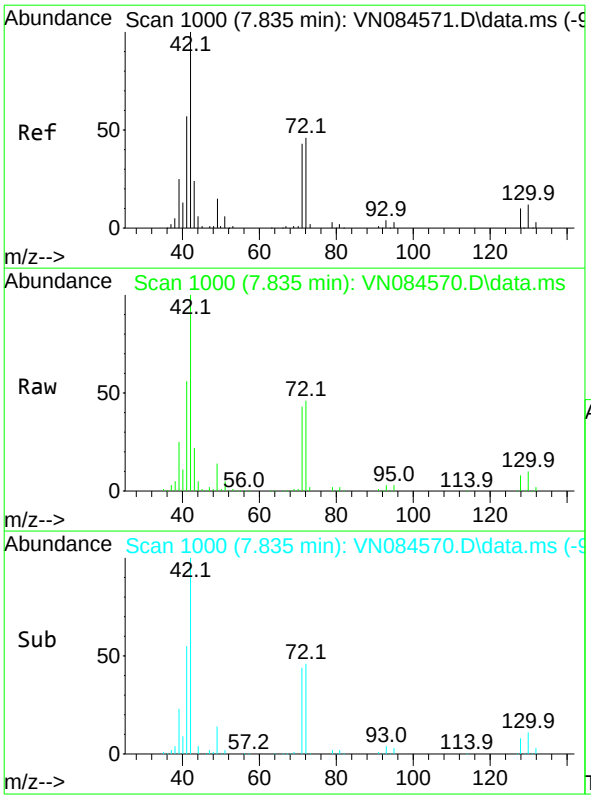


#28
Bromochloromethane
Concen: 109.944 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 49 Resp: 180881

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	75.7	58.0	87.0

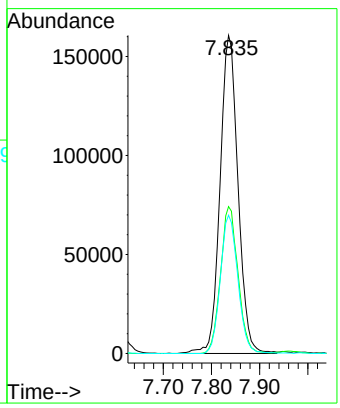




#29
Tetrahydrofuran
Concen: 495.347 ug/l
RT: 7.835 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 42 Resp: 415033

Ion	Ratio	Lower	Upper
42	100		
72	45.0	34.6	51.8
71	42.4	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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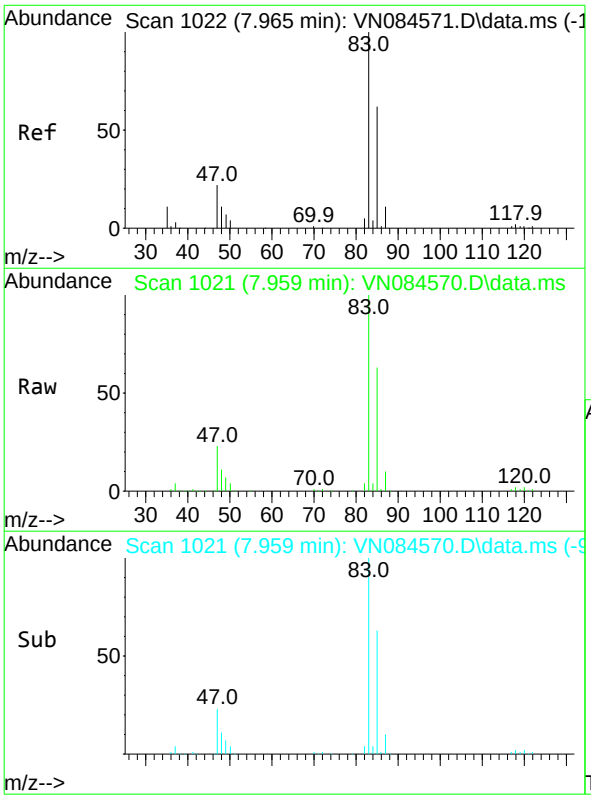
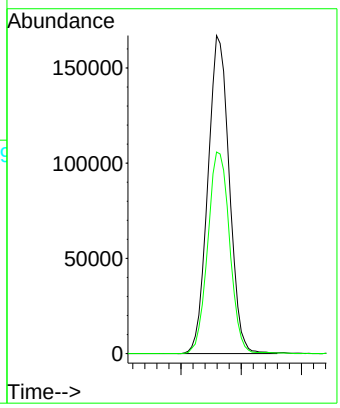
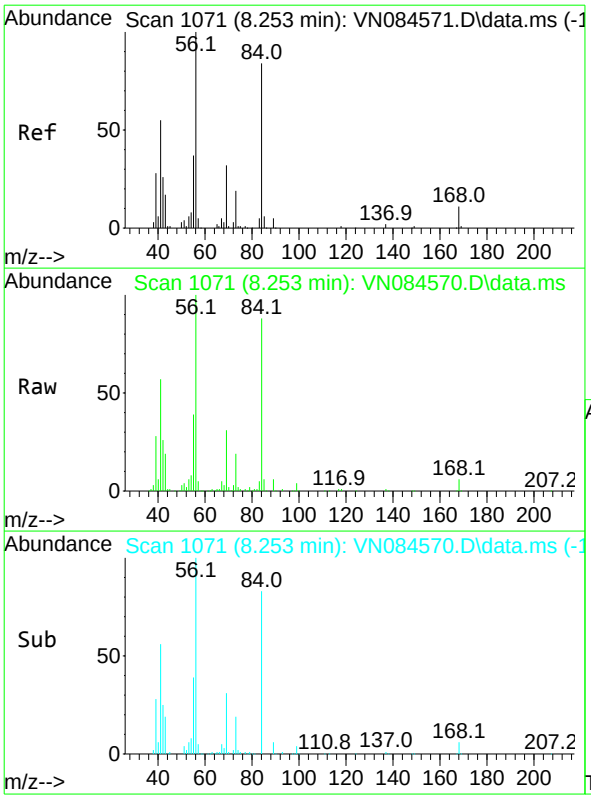


#30
Chloroform
Concen: 98.045 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 83 Resp: 412084

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.0	76.4

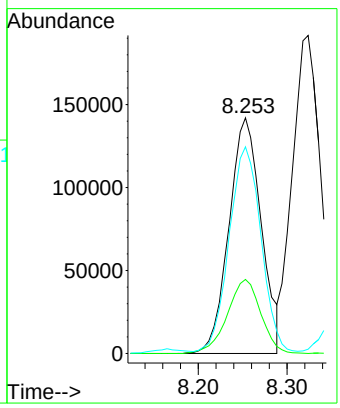




#31
Cyclohexane
Concen: 95.881 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 56 Resp: 358350

Ion	Ratio	Lower	Upper
56	100		
69	31.4	23.8	35.6
84	86.3	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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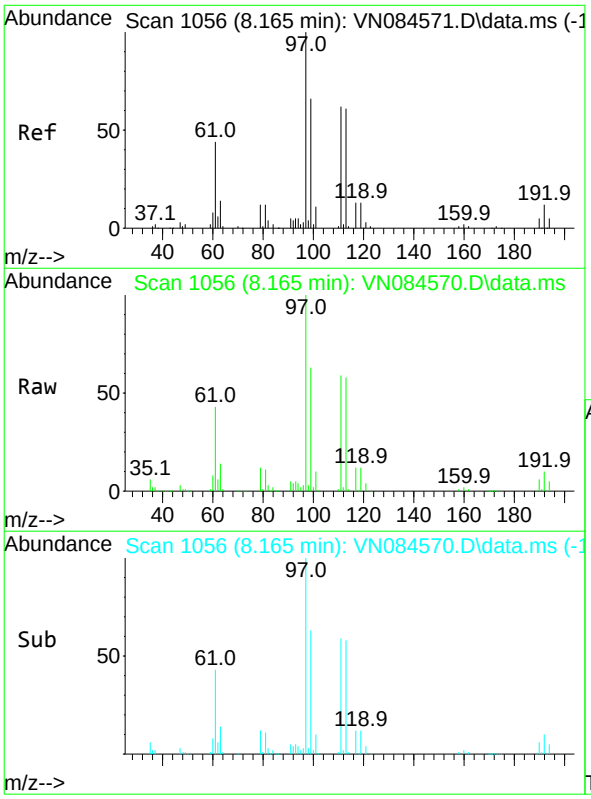
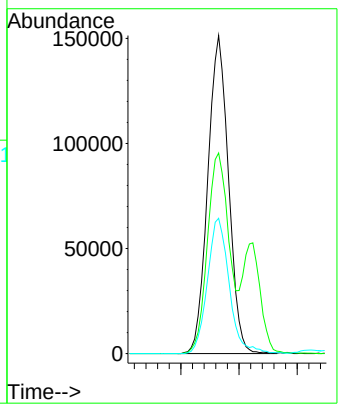
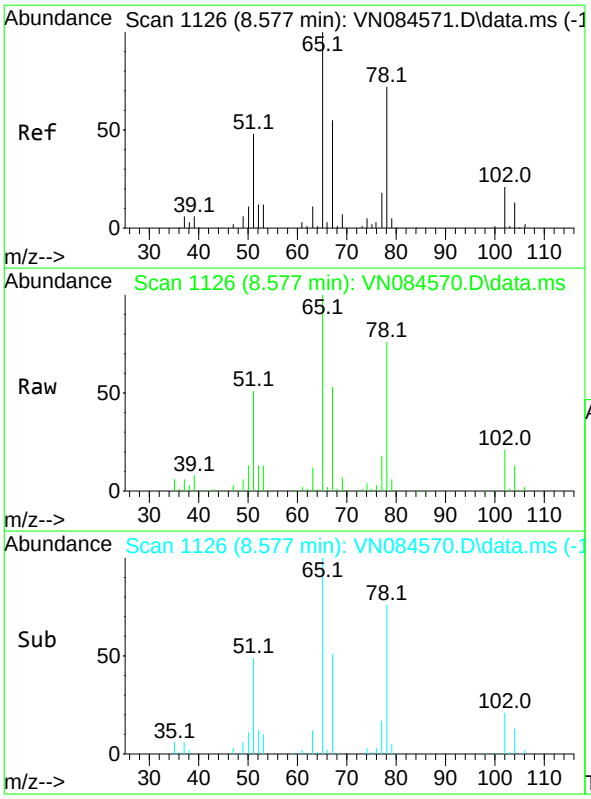


#32
1,1,1-Trichloroethane
Concen: 98.012 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 97 Resp: 374940

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.2	76.8
61	44.8	37.5	56.3

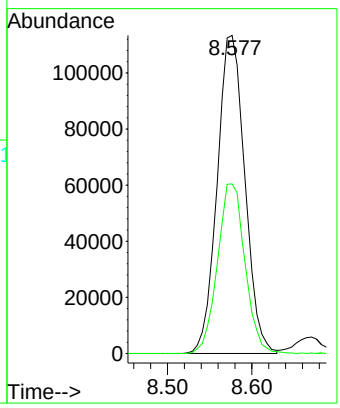




#33
1,2-Dichloroethane-d4
Concen: 95.404 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 65 Resp: 258269

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
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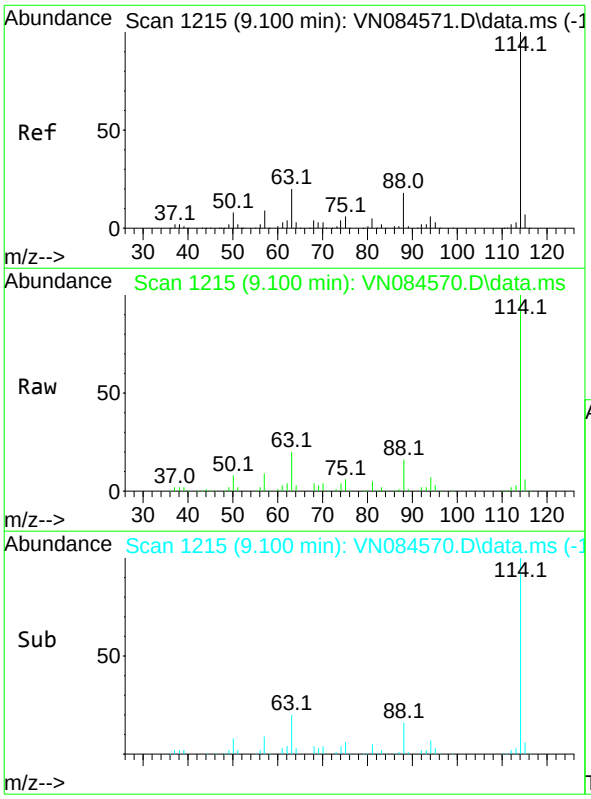
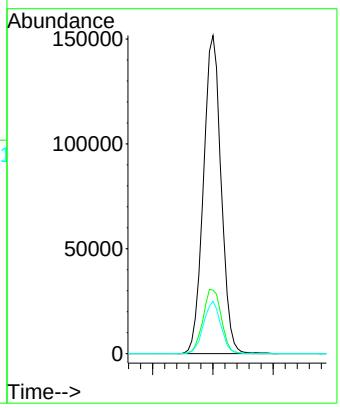
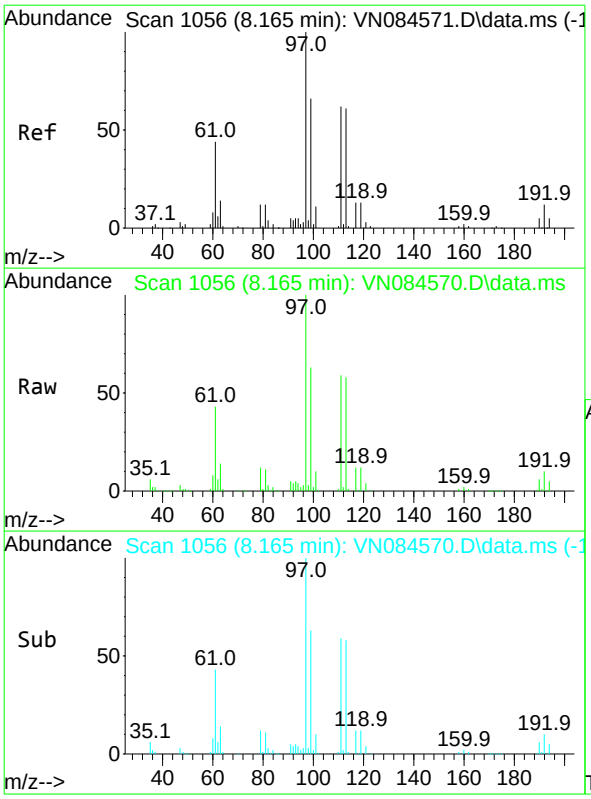


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:114 Resp: 309230

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	43.8
88	16.5	0.0	31.6

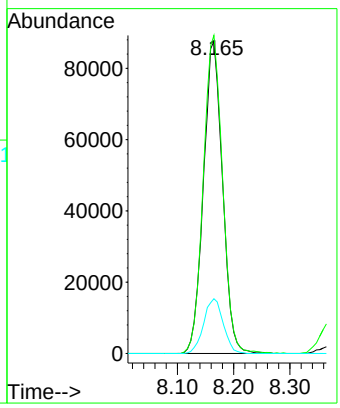




#35
Dibromofluoromethane
Concen: 98.617 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:113 Resp: 206417

Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.3	124.9
192	18.0	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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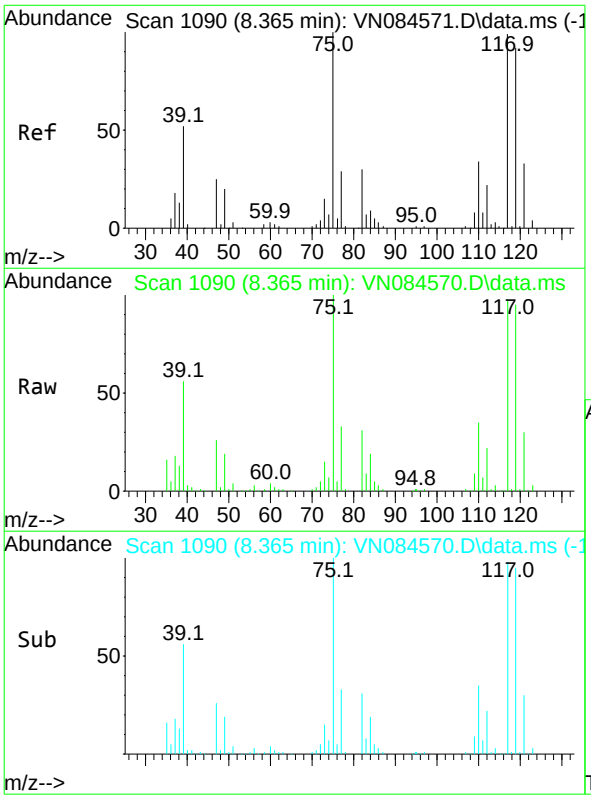
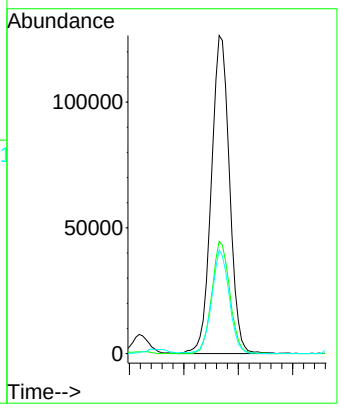
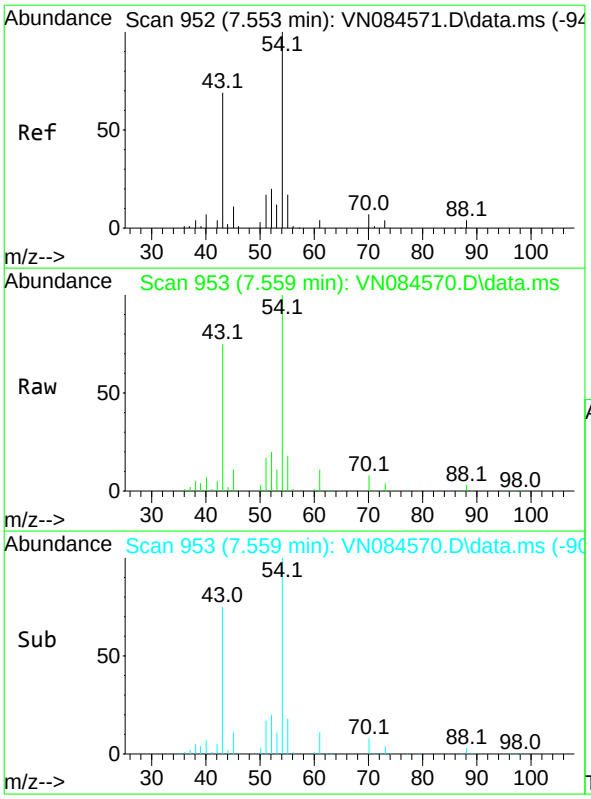


#36
1,1-Dichloropropene
Concen: 101.323 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 75 Resp: 294131

Ion	Ratio	Lower	Upper
75	100		
110	34.6	16.9	50.7
77	31.5	24.7	37.1

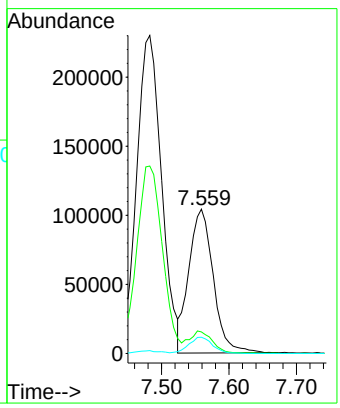




#37
Ethyl Acetate
Concen: 99.553 ug/l
RT: 7.559 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 43 Resp: 262200

Ion	Ratio	Lower	Upper
43	100		
61	12.1	10.7	16.1
70	11.0	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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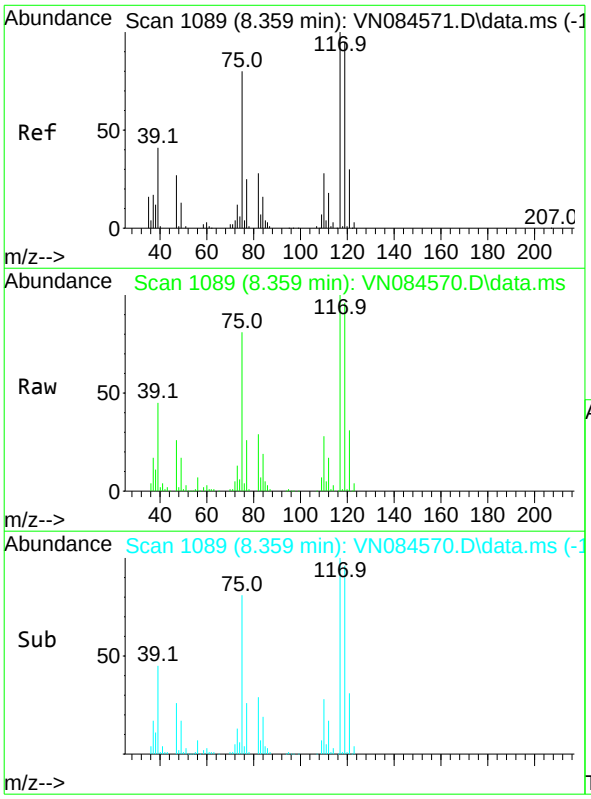
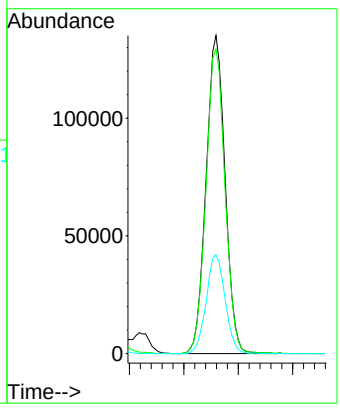
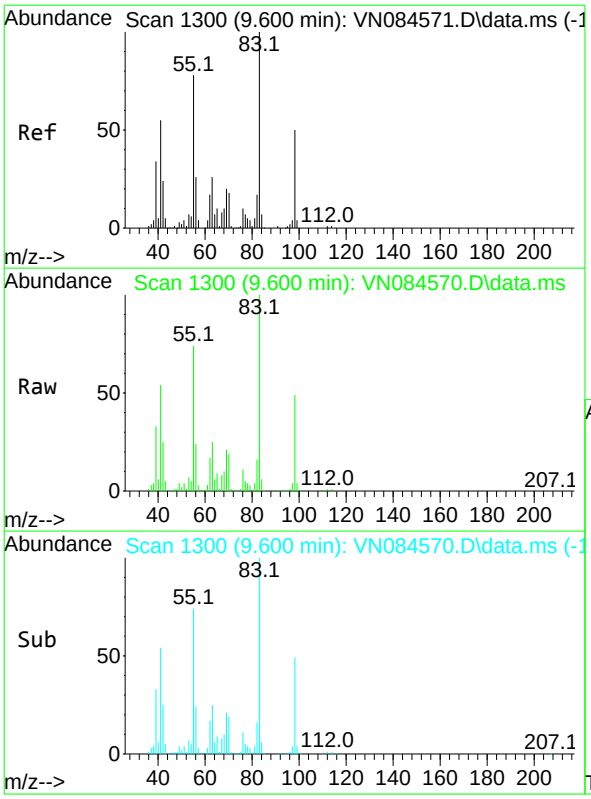


#38
Carbon Tetrachloride
Concen: 100.981 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:117 Resp: 327651

Ion	Ratio	Lower	Upper
117	100		
119	95.8	78.7	118.1
121	31.1	24.4	36.6





#39
Methylcyclohexane
Concen: 114.344 ug/l
RT: 9.600 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 83 Resp: 337677

Ion	Ratio	Lower	Upper
83	100		
55	74.5	62.8	94.2
98	48.8	38.8	58.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
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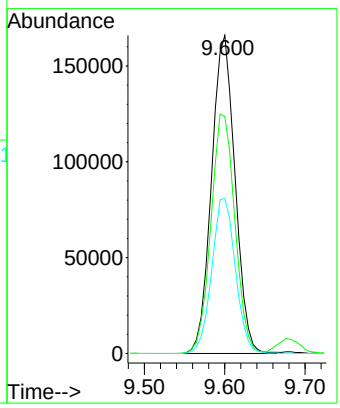
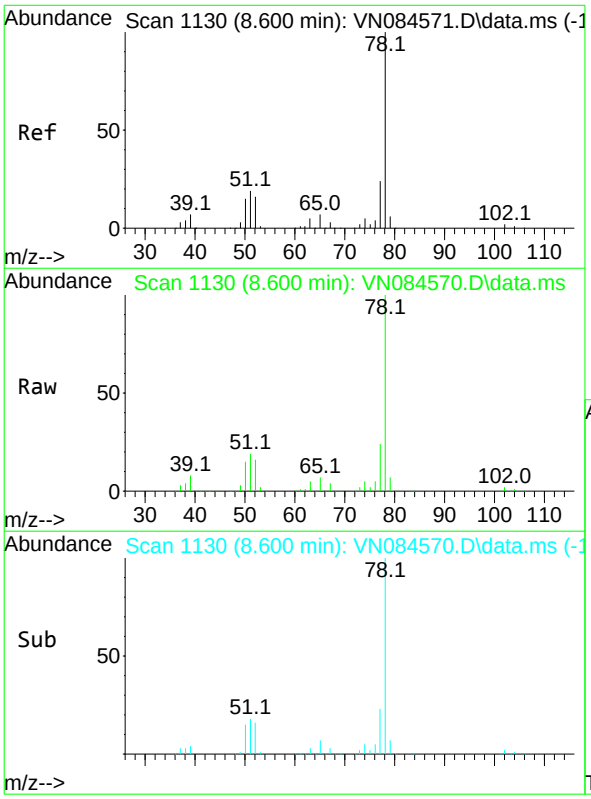
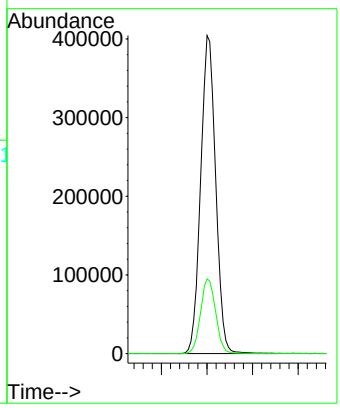


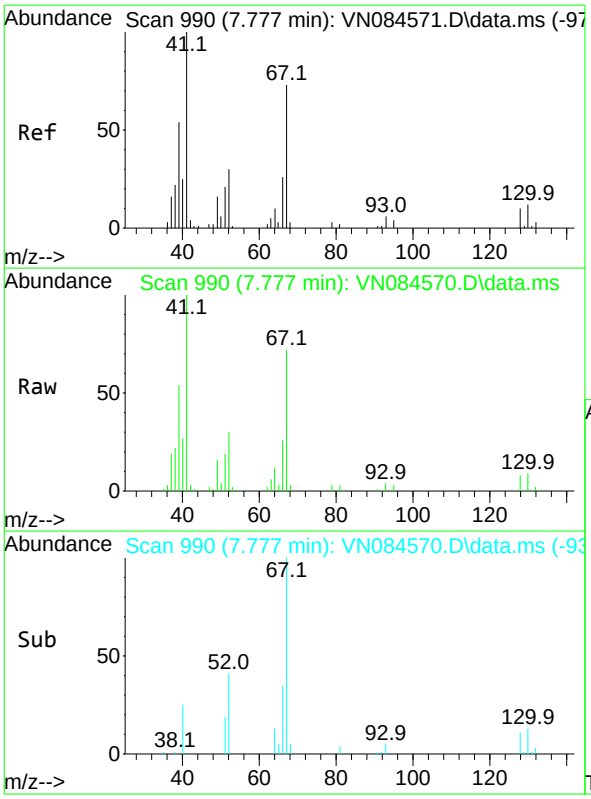


#40
Benzene
Concen: 99.119 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 78 Resp: 924038

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7

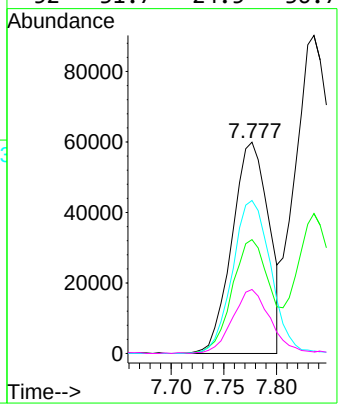




#41
Methacrylonitrile
Concen: 102.406 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 41 Resp: 145041

Ion	Ratio	Lower	Upper
41	100		
39	56.8	43.3	64.9
67	76.0	56.1	84.1
52	31.7	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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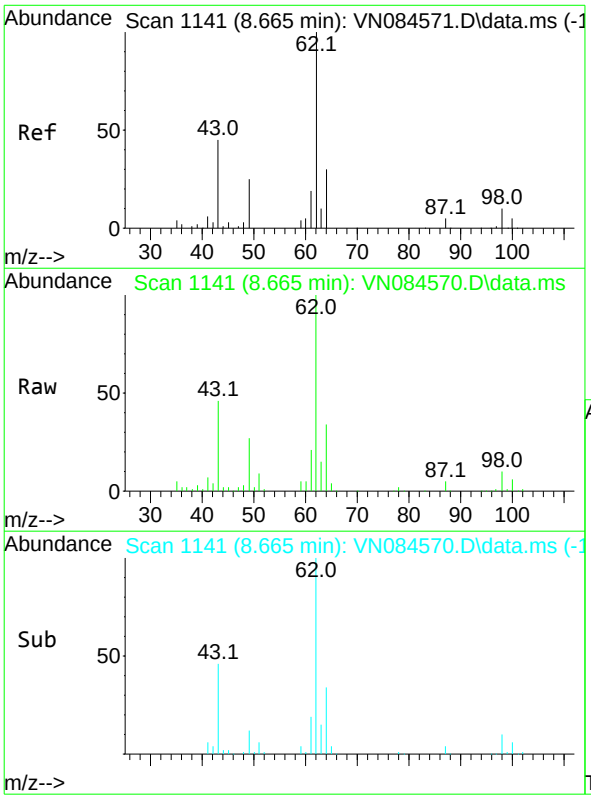
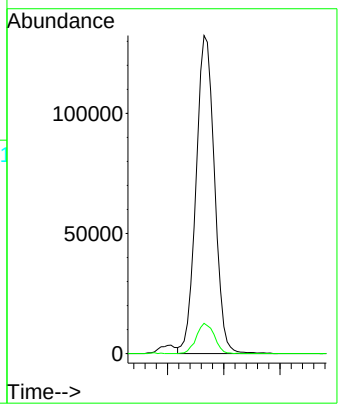
Supervised By :Mahesh Dadoda 11/04/2024

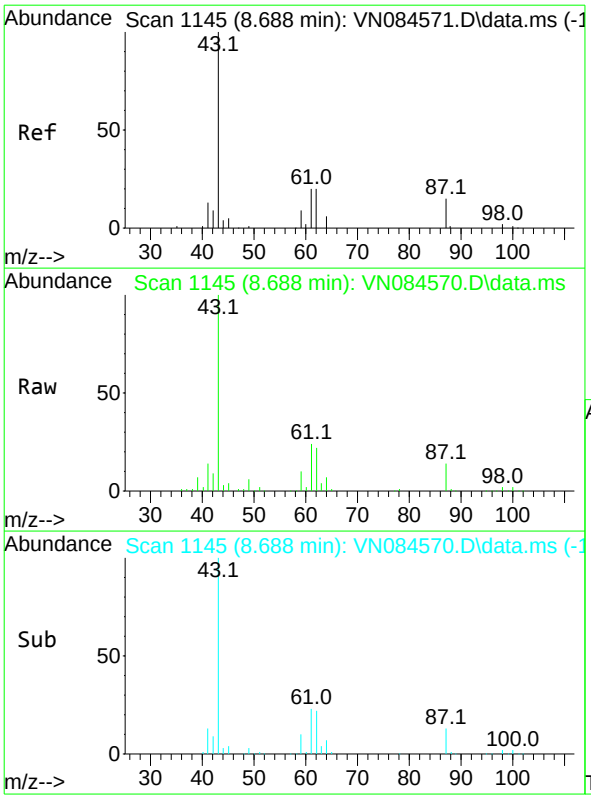


#42
1,2-Dichloroethane
Concen: 100.005 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 62 Resp: 301932

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2

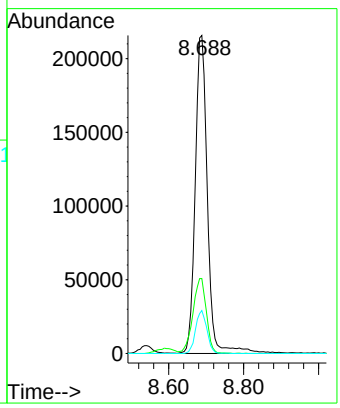




#43
Isopropyl Acetate
Concen: 100.857 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 43 Resp: 485962

Ion	Ratio	Lower	Upper
43	100		
61	26.0	20.4	30.6
87	12.5	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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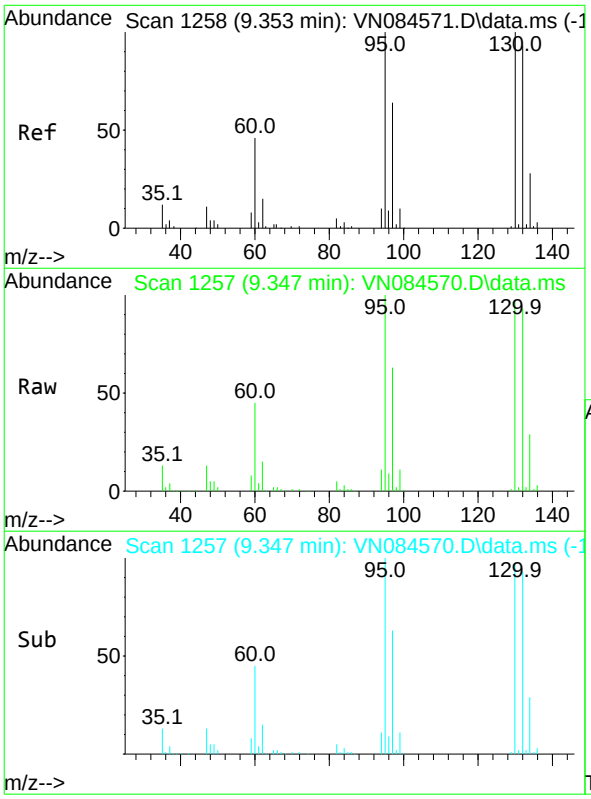
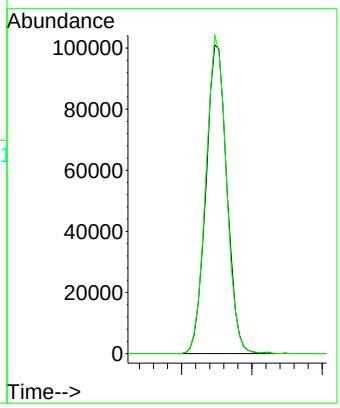
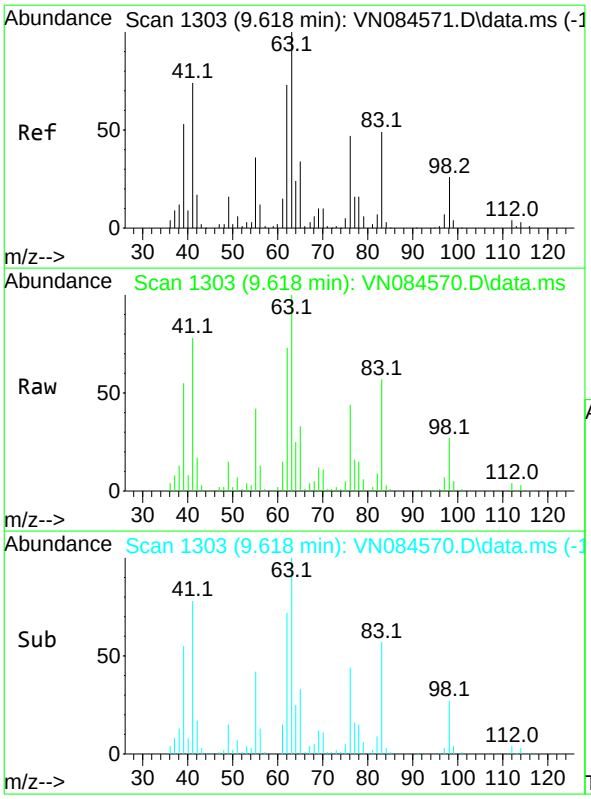


#44
Trichloroethene
Concen: 97.413 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:130 Resp: 209438

Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	203.0

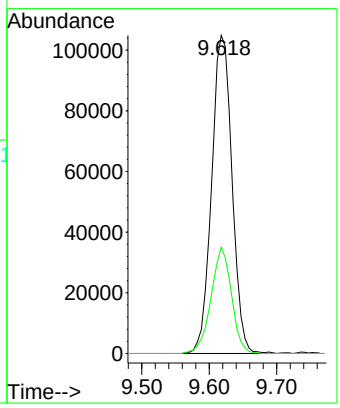




#45
1,2-Dichloropropane
Concen: 100.718 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 63 Resp: 220258

Ion	Ratio	Lower	Upper
63	100		
65	33.4	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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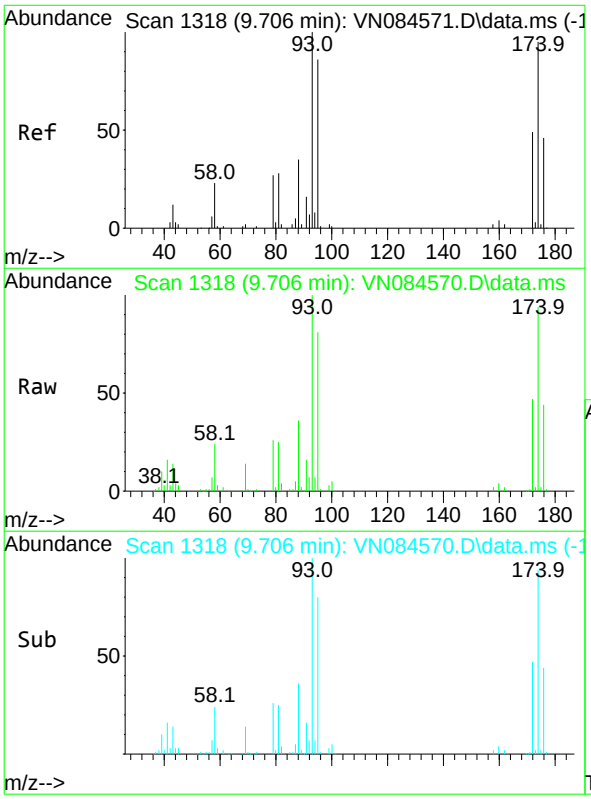
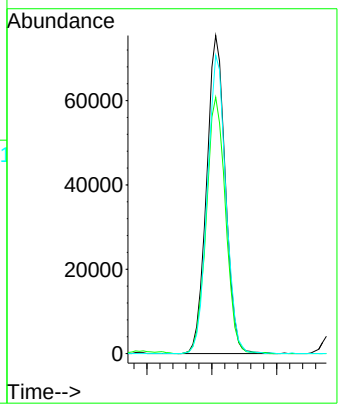
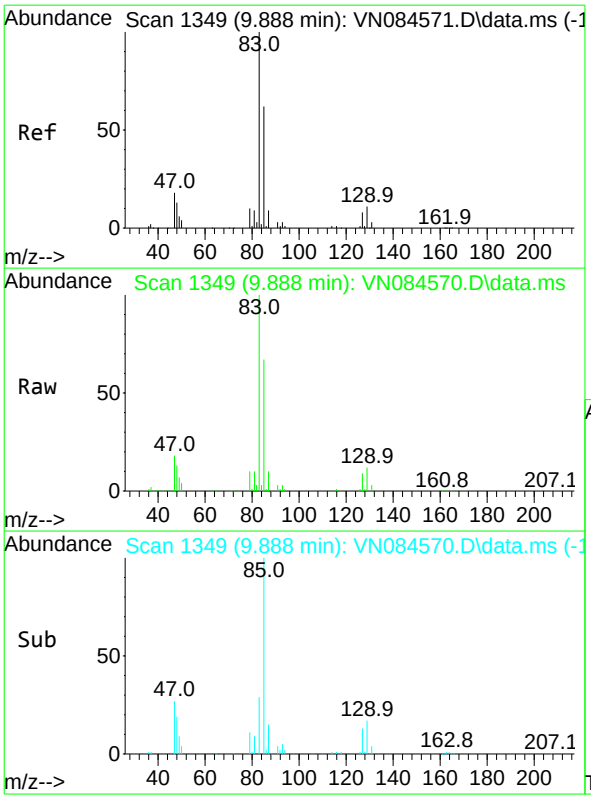


#46
Dibromomethane
Concen: 98.281 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 93 Resp: 151661

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.0	97.4
174	92.7	71.8	107.8

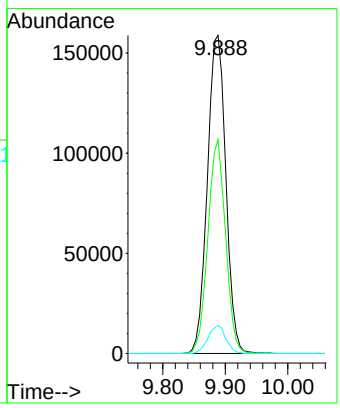




#47
Bromodichloromethane
Concen: 100.364 ug/l
RT: 9.888 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 83 Resp: 326466

Ion	Ratio	Lower	Upper
83	100		
85	67.2	51.5	77.3
127	8.8	5.7	8.5#



Instrument :
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ClientSampleId :
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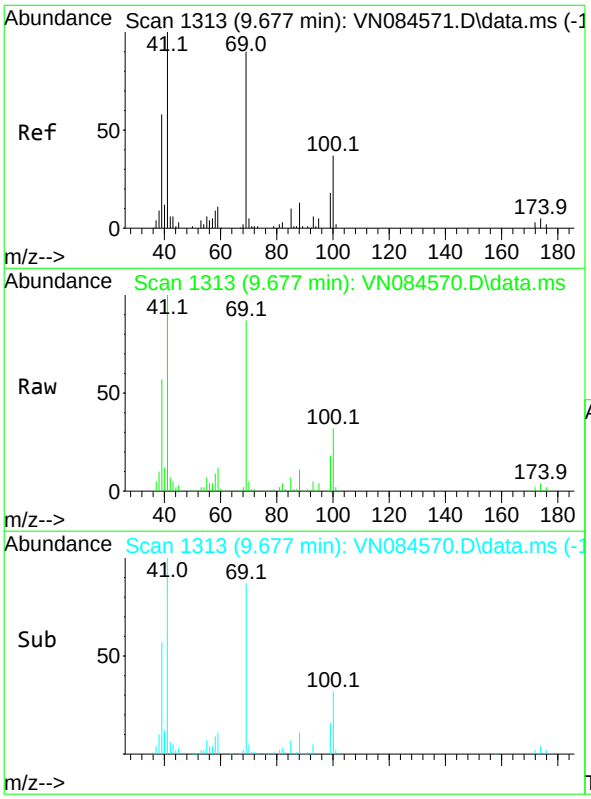
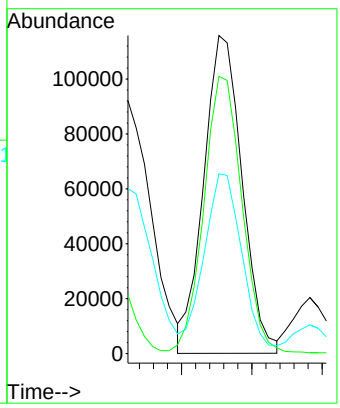
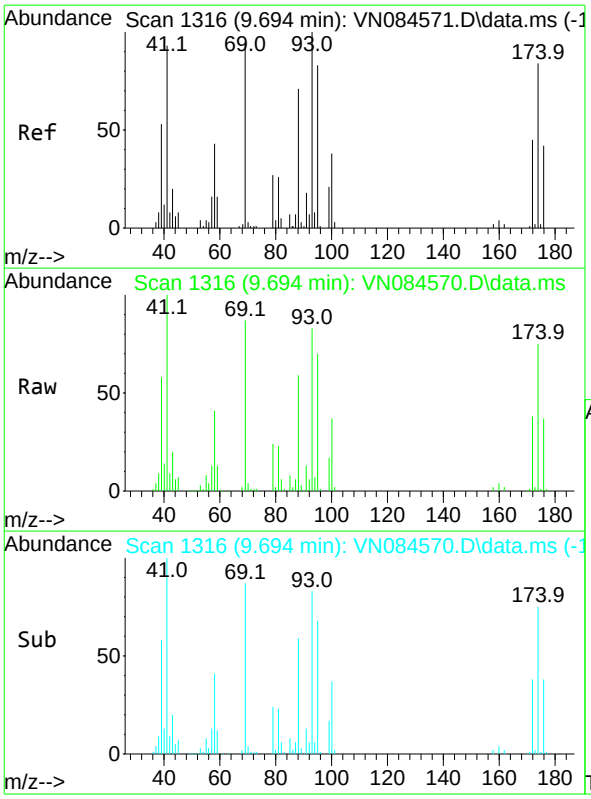


#48
Methyl methacrylate
Concen: 107.249 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 41 Resp: 219838

Ion	Ratio	Lower	Upper
41	100		
69	86.4	67.1	100.7
39	56.6	45.8	68.6

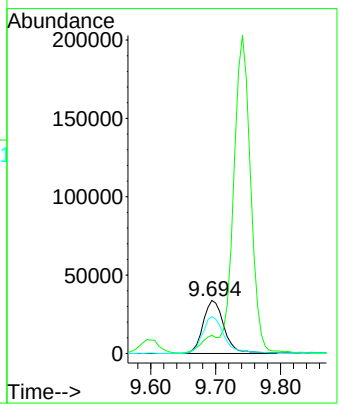




#49
1,4-Dioxane
Concen: 2097.505 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 88 Resp: 76189

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	72.9	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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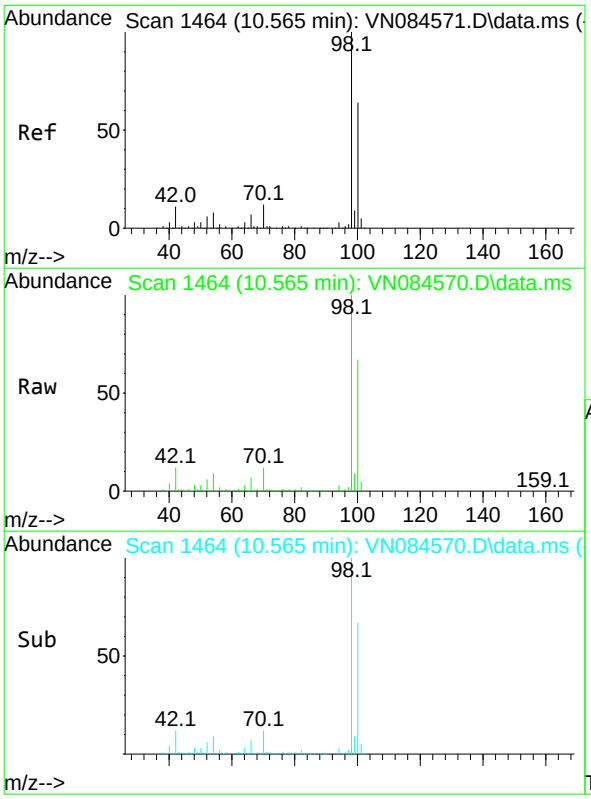
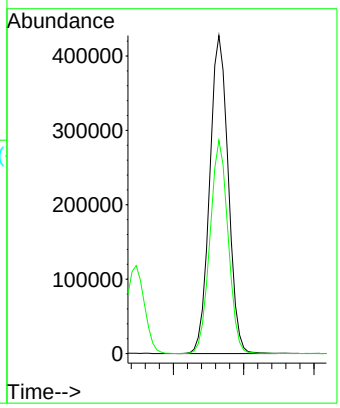
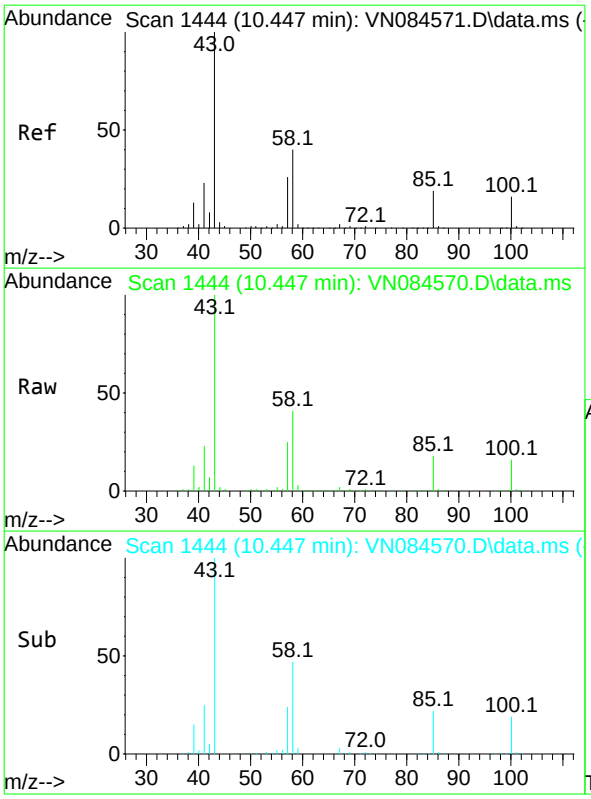


#50
Toluene-d8
Concen: 101.646 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 98 Resp: 783727

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1

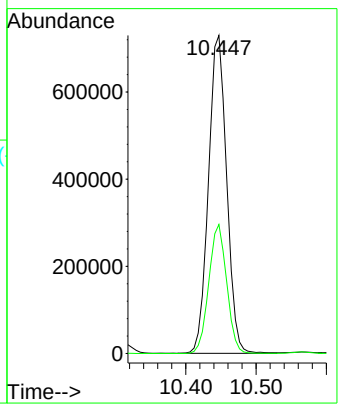




#51
4-Methyl-2-Pentanone
Concen: 522.607 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 43 Resp: 1312148

Ion	Ratio	Lower	Upper
43	100		
58	39.8	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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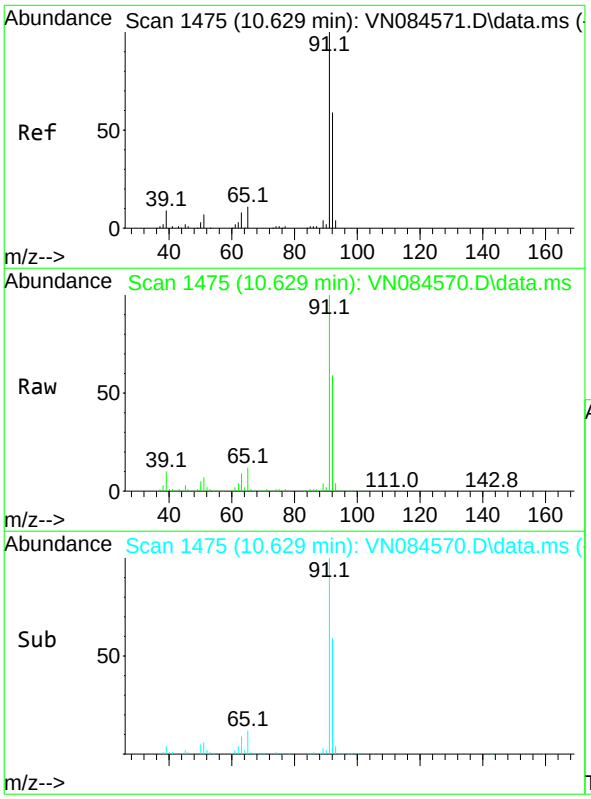
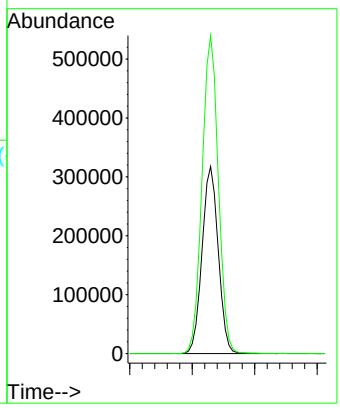
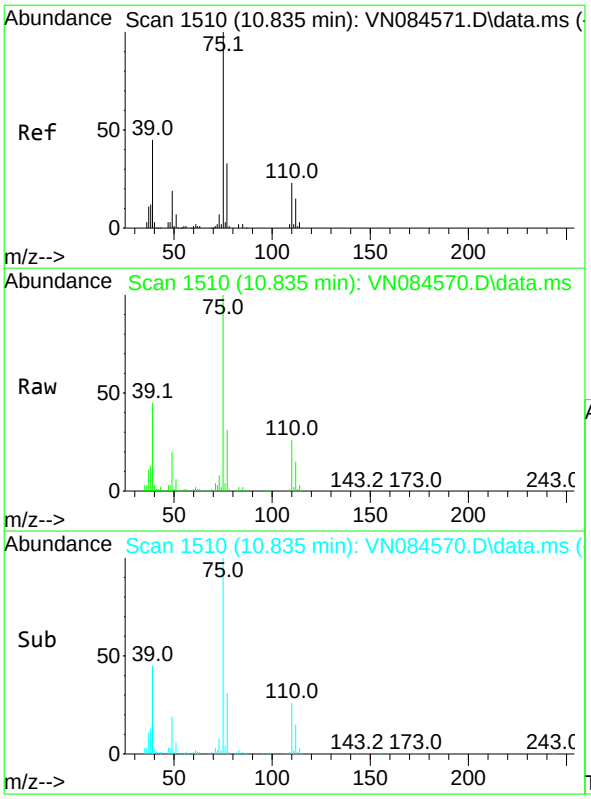


#52
Toluene
Concen: 104.696 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 92 Resp: 570832

Ion	Ratio	Lower	Upper
92	100		
91	171.3	137.3	205.9

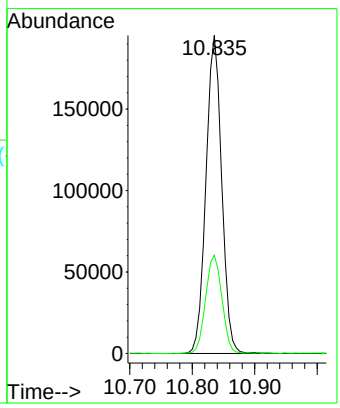




#53
t-1,3-Dichloropropene
Concen: 101.334 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 75 Resp: 341196

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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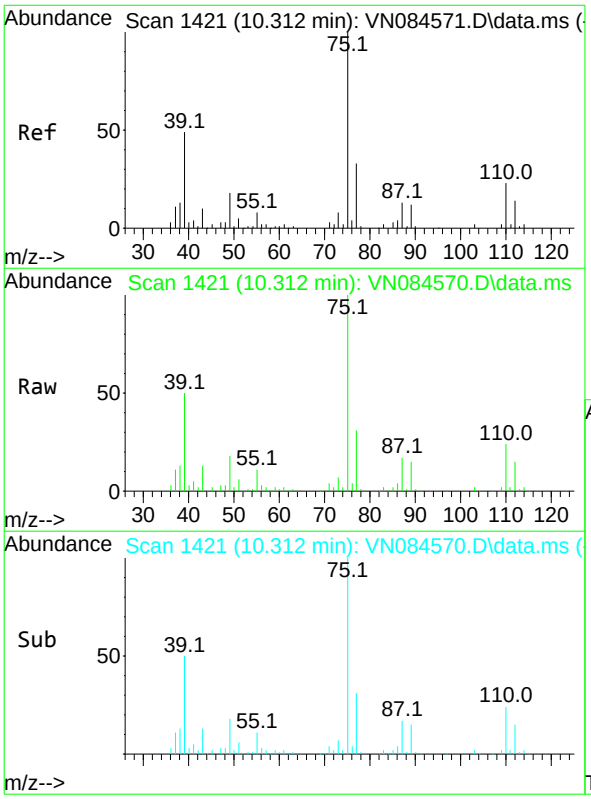
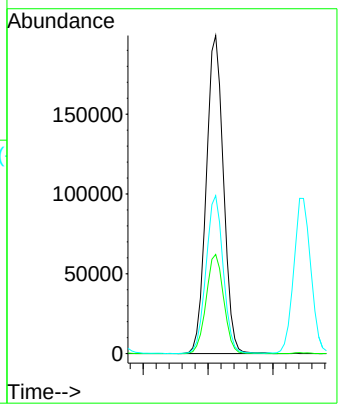
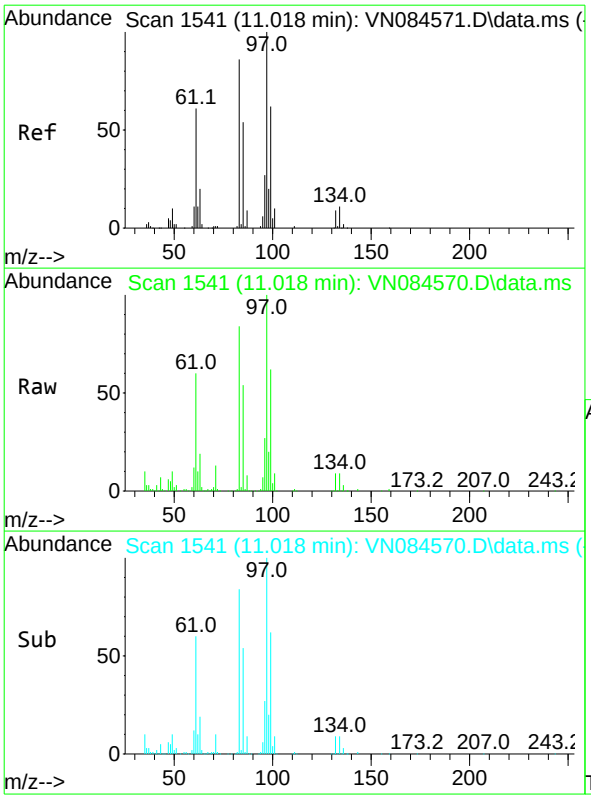


#54
cis-1,3-Dichloropropene
Concen: 102.804 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 75 Resp: 366358

Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.2	36.2
39	49.7	38.7	58.1

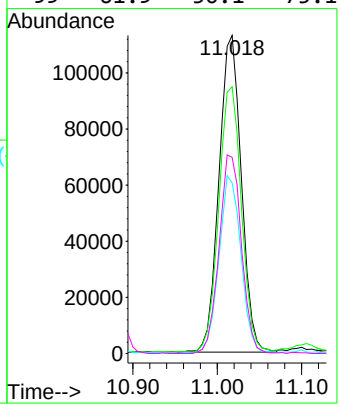




#55
1,1,2-Trichloroethane
Concen: 101.124 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 97 Resp: 207689

Ion	Ratio	Lower	Upper
97	100		
83	83.6	71.0	106.4
85	53.7	41.7	62.5
99	61.9	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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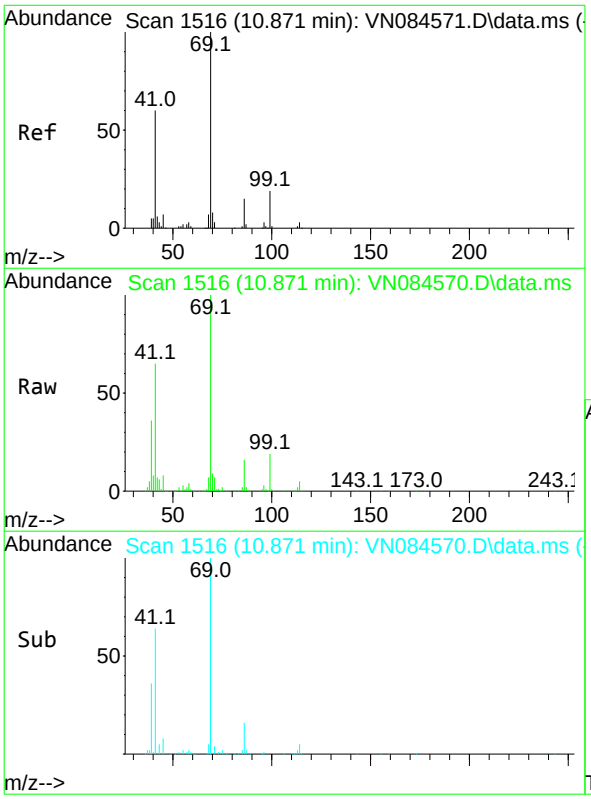
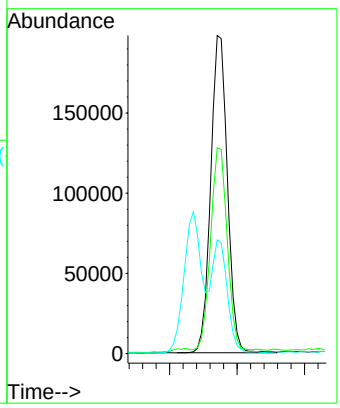
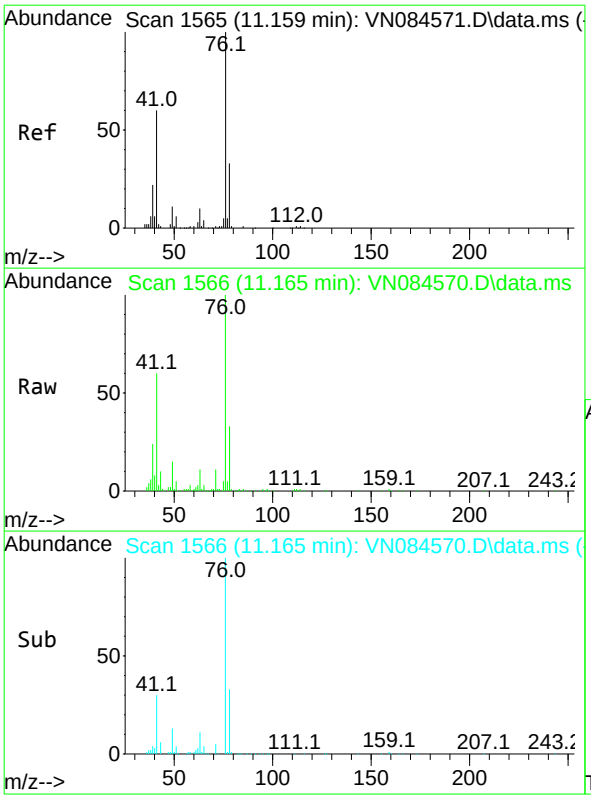


#56
Ethyl methacrylate
Concen: 114.573 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 69 Resp: 340367

Ion	Ratio	Lower	Upper
69	100		
41	63.6	53.3	79.9
39	34.5	28.8	43.2

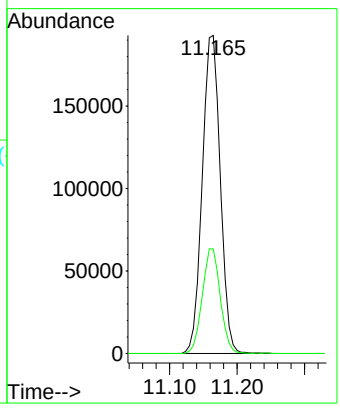




#57
1,3-Dichloropropane
Concen: 101.320 ug/l
RT: 11.165 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 76 Resp: 357131

Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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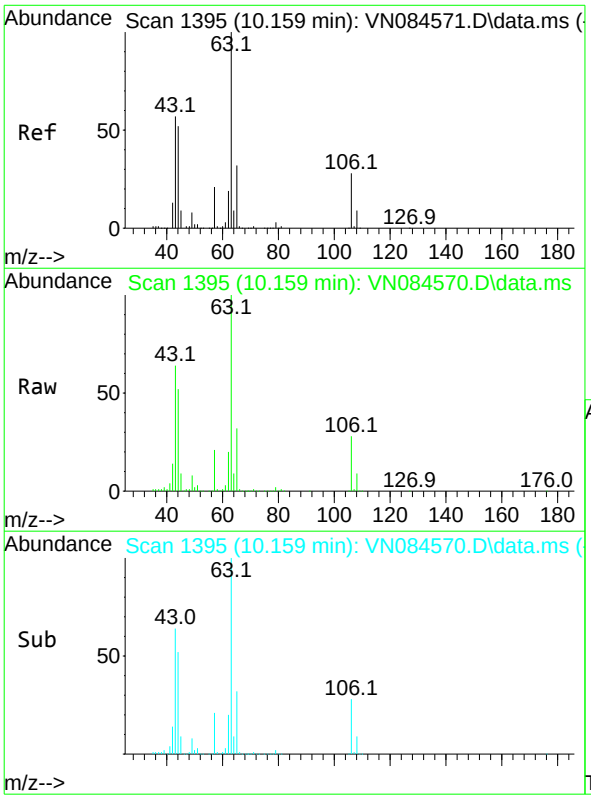
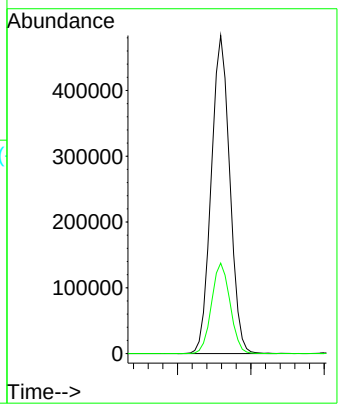
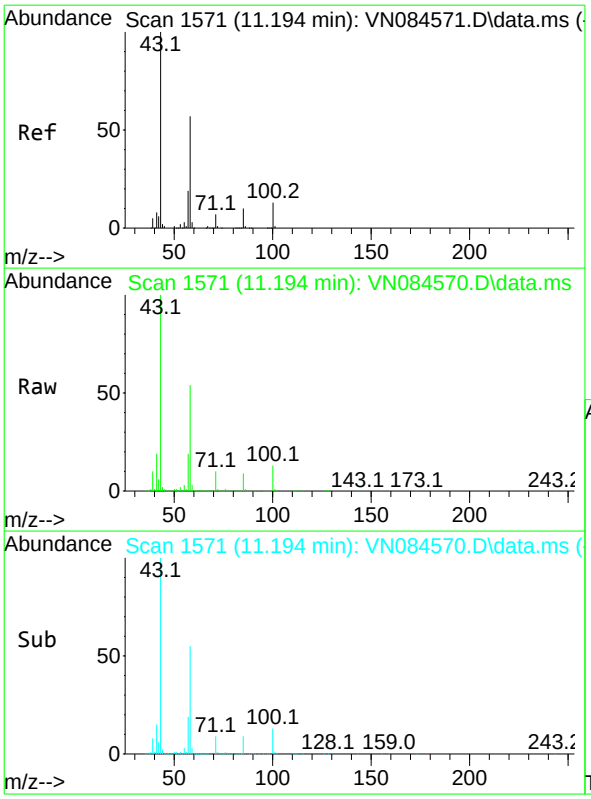


#58
2-Chloroethyl Vinyl ether
Concen: 611.330 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 63 Resp: 849817

Ion	Ratio	Lower	Upper
63	100		
106	28.4	21.8	32.6

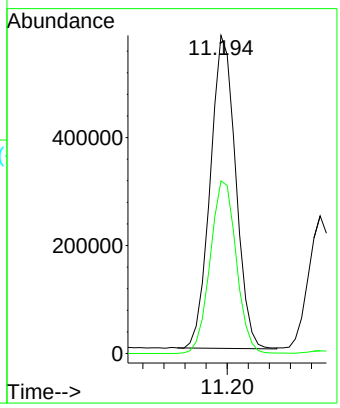




#59
2-Hexanone
Concen: 531.346 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 43 Resp: 971064

Ion	Ratio	Lower	Upper
43	100		
58	56.6	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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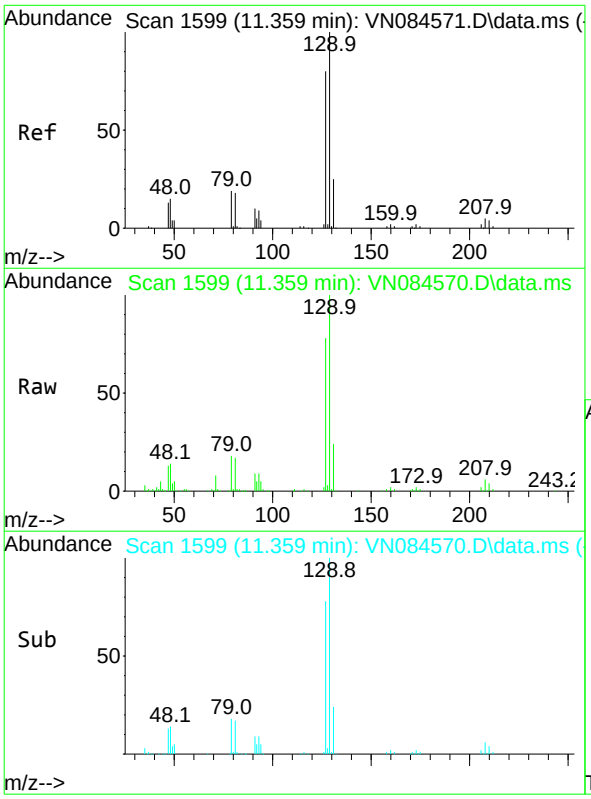
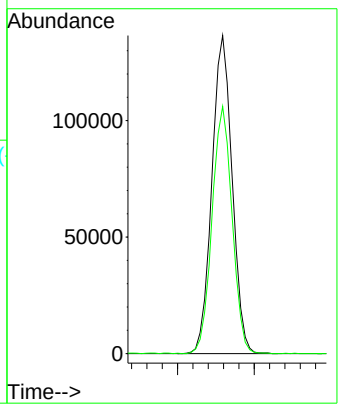
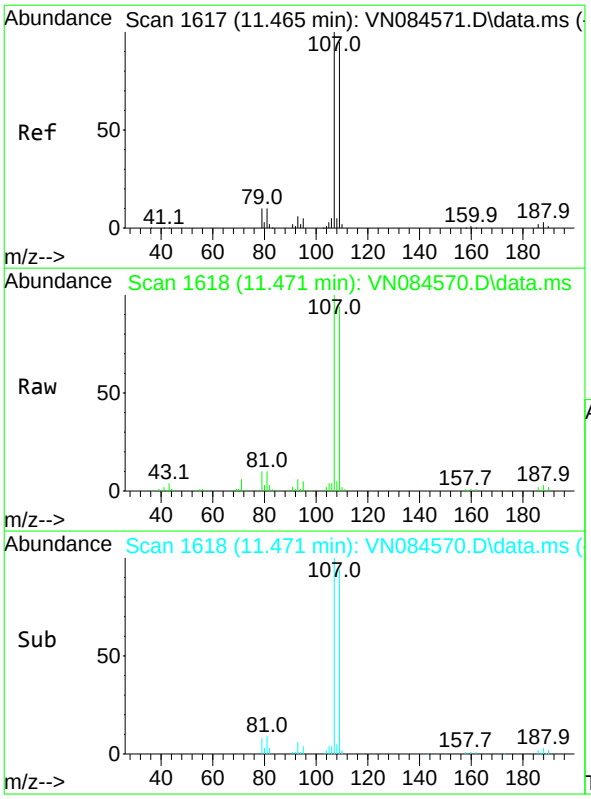


#60
Dibromochloromethane
Concen: 106.691 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:129 Resp: 249733

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.3	114.9

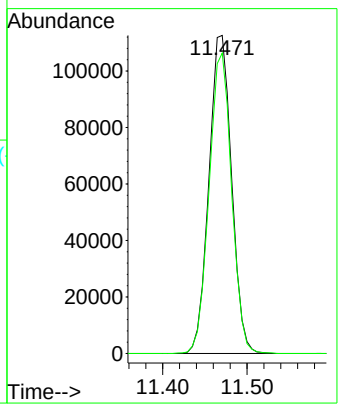




#61
1,2-Dibromoethane
Concen: 99.870 ug/l
RT: 11.471 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:107 Resp: 210043

Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.4	113.0



Instrument :
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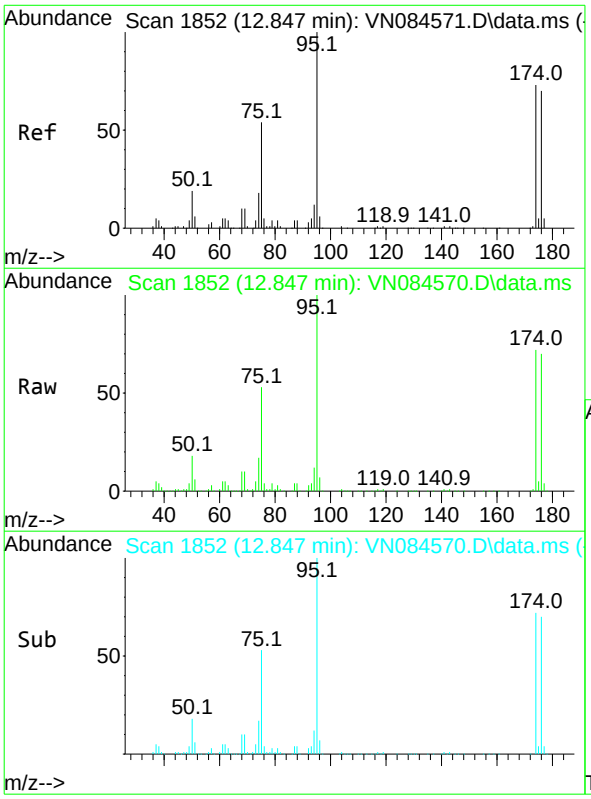
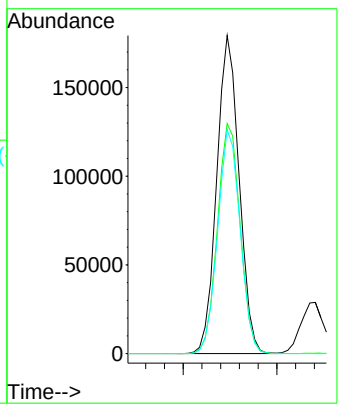
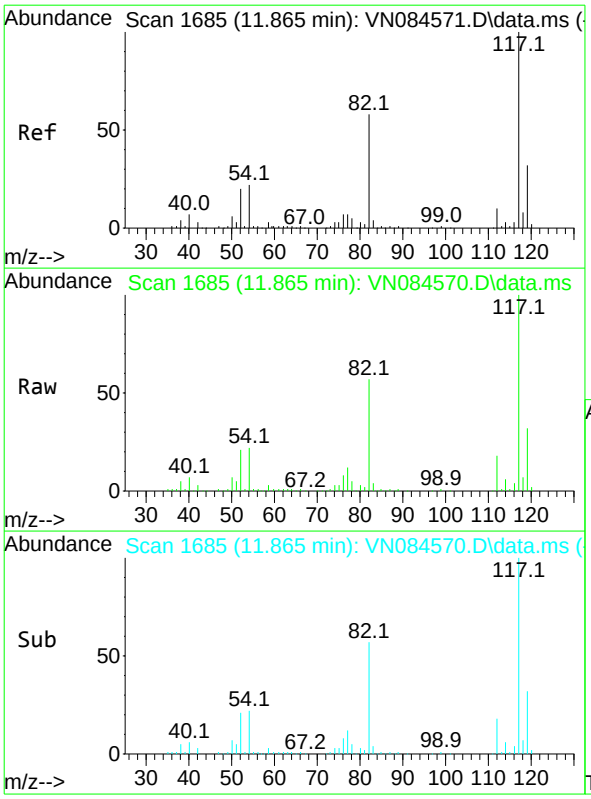


#62
4-Bromofluorobenzene
Concen: 103.292 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 95 Resp: 297647

Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	145.2
176	70.7	0.0	140.0

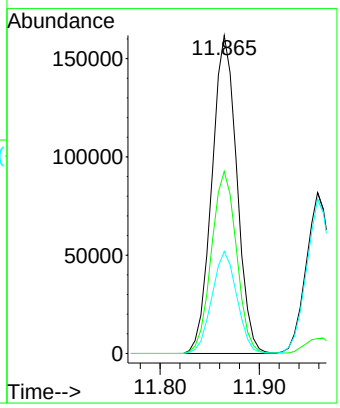




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:117 Resp: 282514

Ion	Ratio	Lower	Upper
117	100		
82	57.3	47.2	70.8
119	32.1	25.4	38.0



Instrument :
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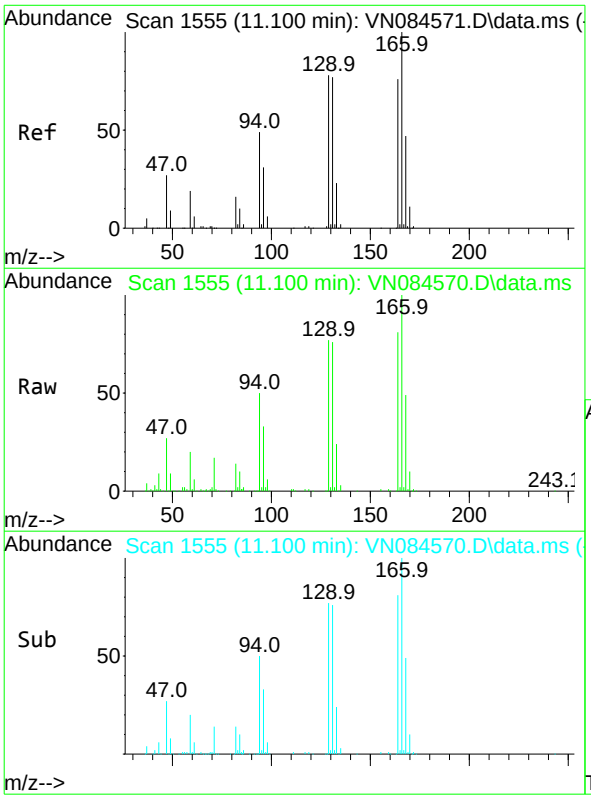
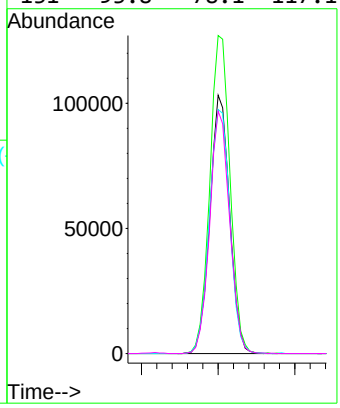
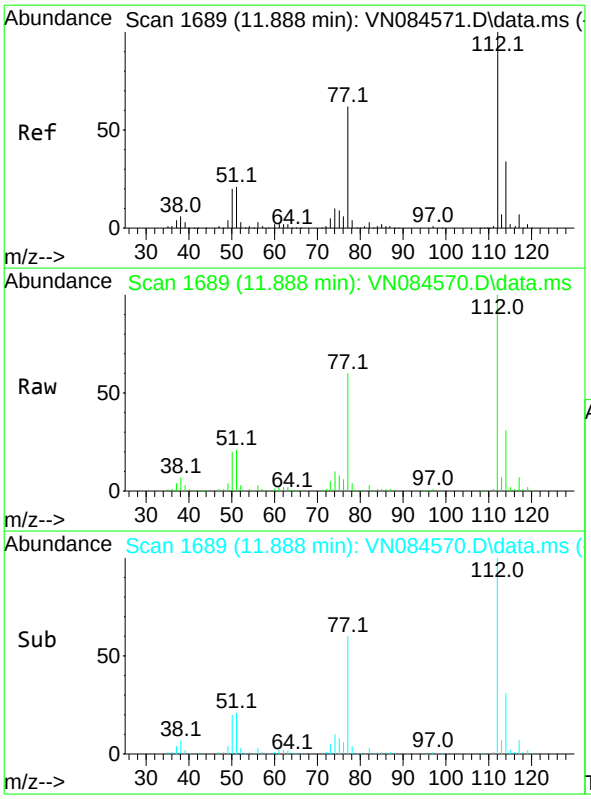


#64
Tetrachloroethene
Concen: 98.169 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:164 Resp: 184478

Ion	Ratio	Lower	Upper
164	100		
166	123.1	101.0	151.4
129	94.5	80.8	121.2
131	93.8	78.1	117.1

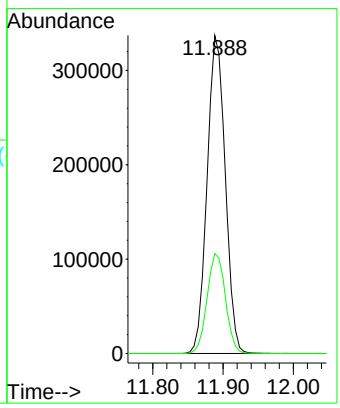




#65
Chlorobenzene
Concen: 95.500 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:112 Resp: 603595

Ion	Ratio	Lower	Upper
112	100		
114	31.4	27.0	40.6



Instrument :
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ClientSampleId :
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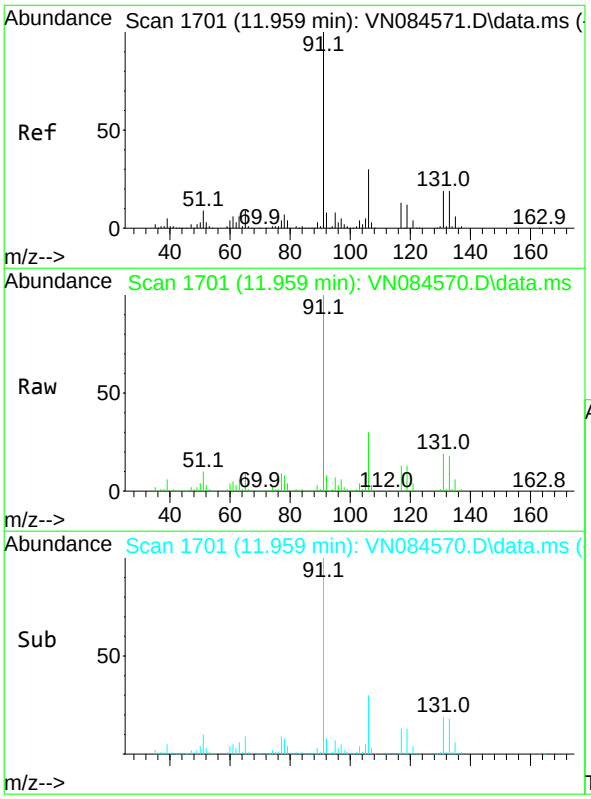
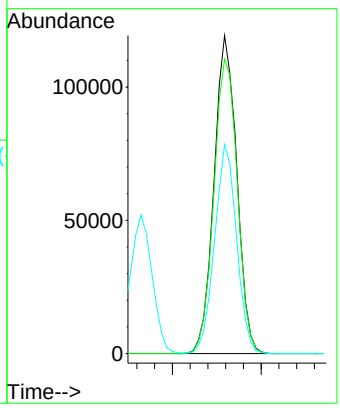
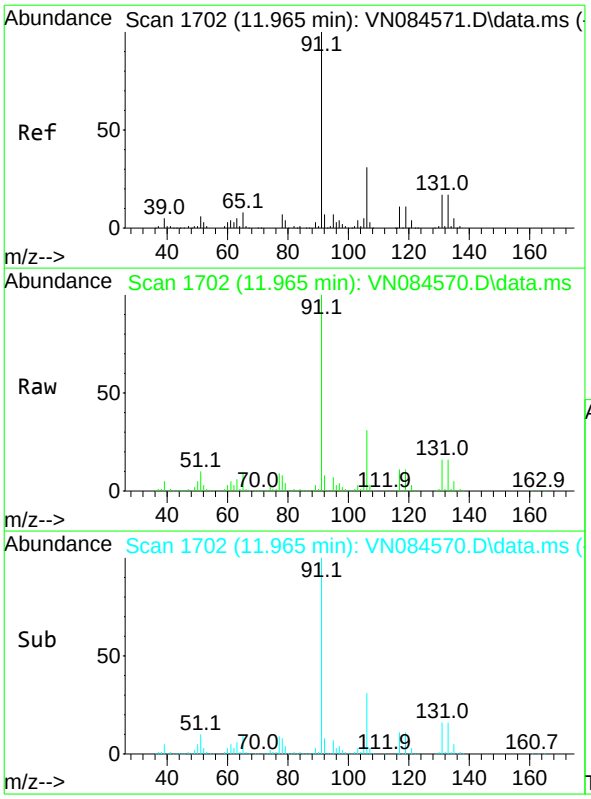


#66
1,1,1,2-Tetrachloroethane
Concen: 96.458 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:131 Resp: 212055

Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.9	143.7
119	63.9	32.8	98.3

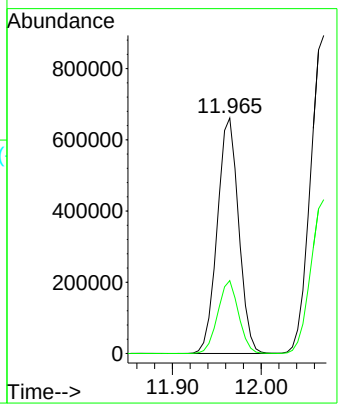




#67
Ethyl Benzene
Concen: 104.837 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 91 Resp: 1106035

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
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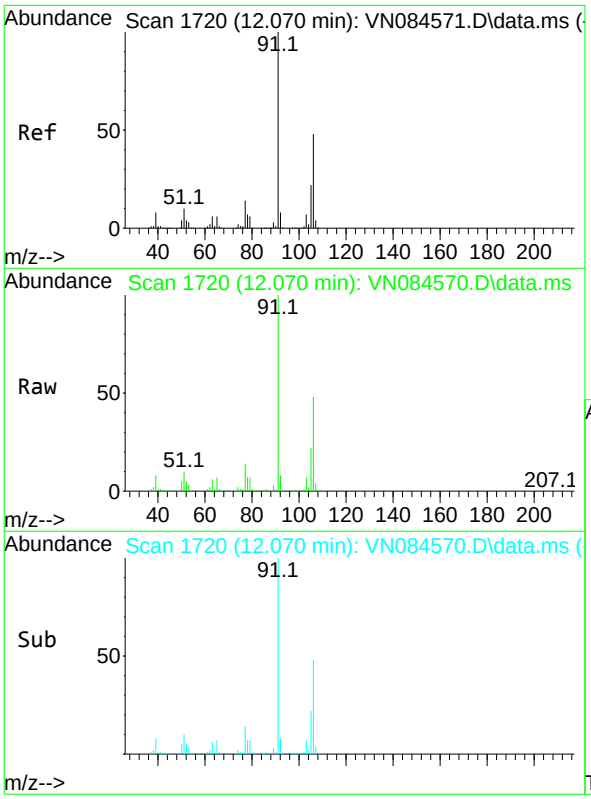
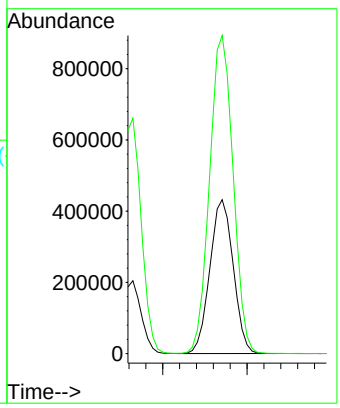
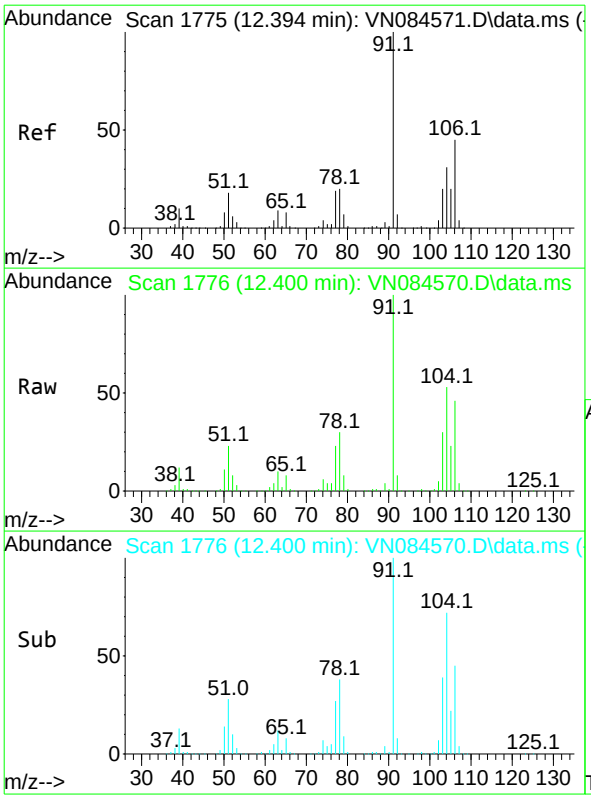


#68
m/p-Xylenes
Concen: 208.419 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:106 Resp: 832448

Ion	Ratio	Lower	Upper
106	100		
91	208.0	167.1	250.7

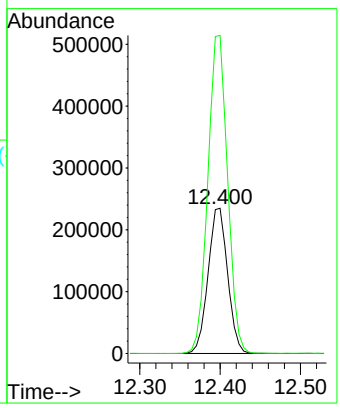




#69
o-Xylene
Concen: 106.372 ug/l
RT: 12.400 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:106 Resp: 397449

Ion	Ratio	Lower	Upper
106	100		
91	220.8	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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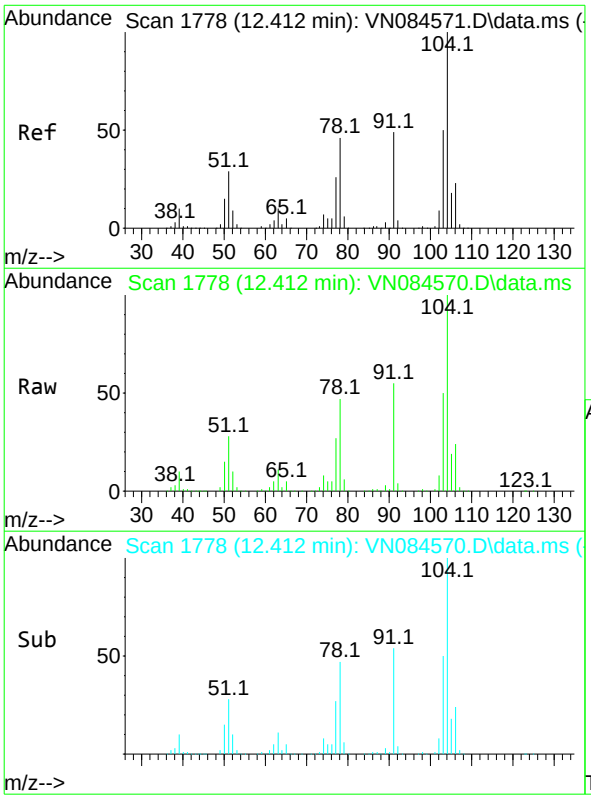
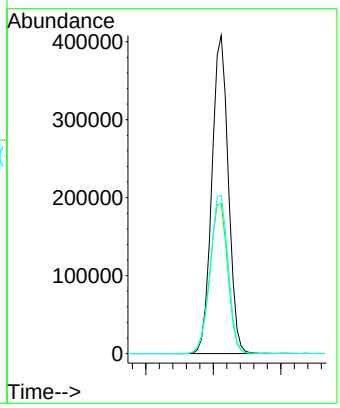
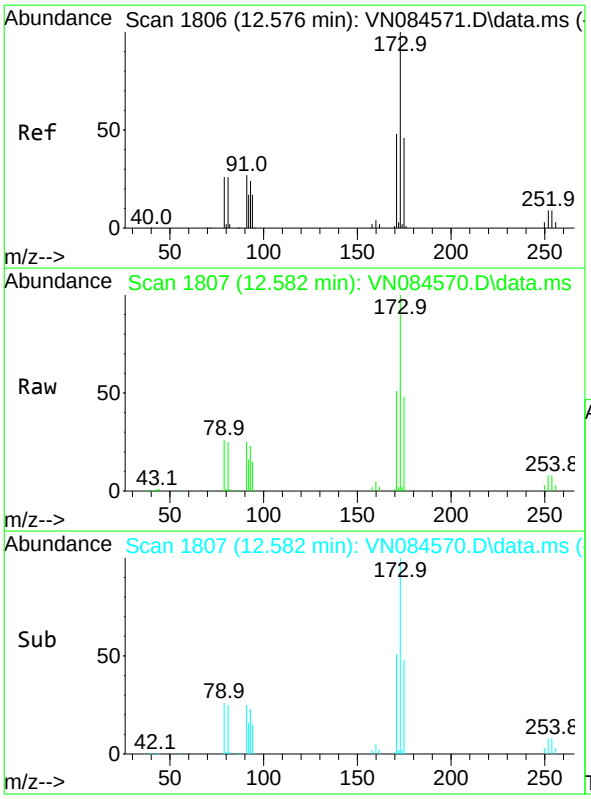


#70
Styrene
Concen: 106.042 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:104 Resp: 691175

Ion	Ratio	Lower	Upper
104	100		
78	51.5	42.7	64.1
103	54.0	43.6	65.4

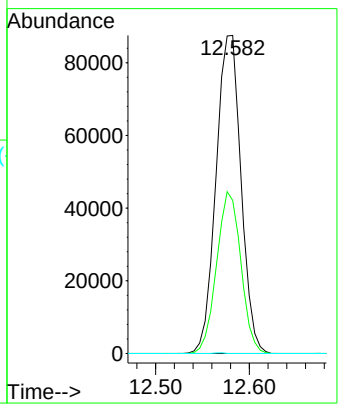




#71
Bromoform
Concen: 98.044 ug/l
RT: 12.582 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:173 Resp: 162189

Ion	Ratio	Lower	Upper
173	100		
175	49.3	23.5	70.6
254	0.1	0.0	0.0#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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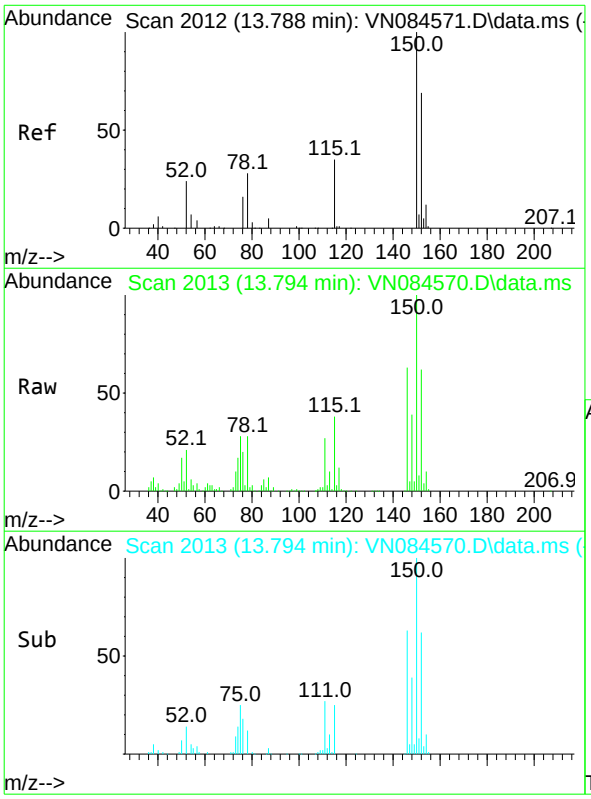
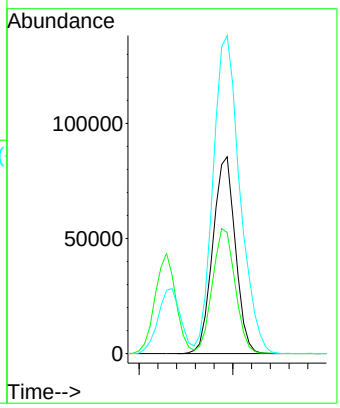
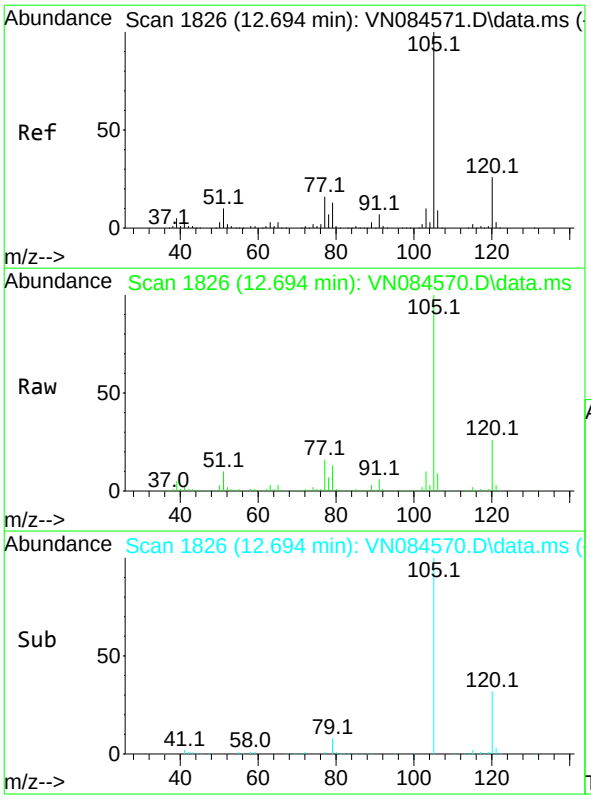


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:152 Resp: 142702

Ion	Ratio	Lower	Upper
152	100		
115	64.2	31.3	93.9
150	191.6	0.0	349.8

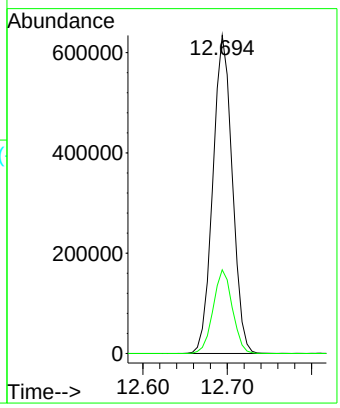




#73
Isopropylbenzene
Concen: 101.533 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:105 Resp: 1015352

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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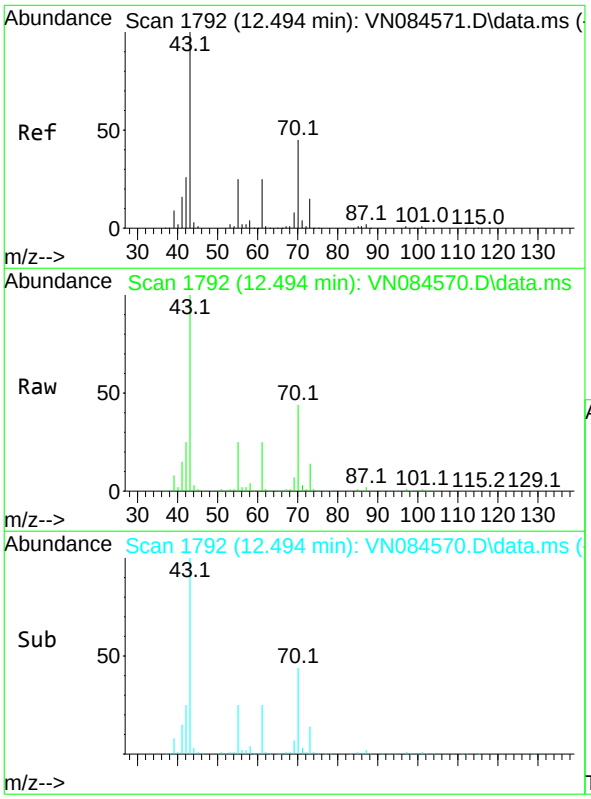
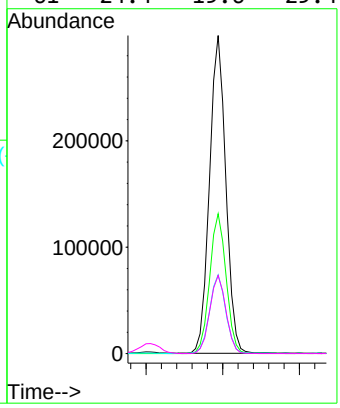
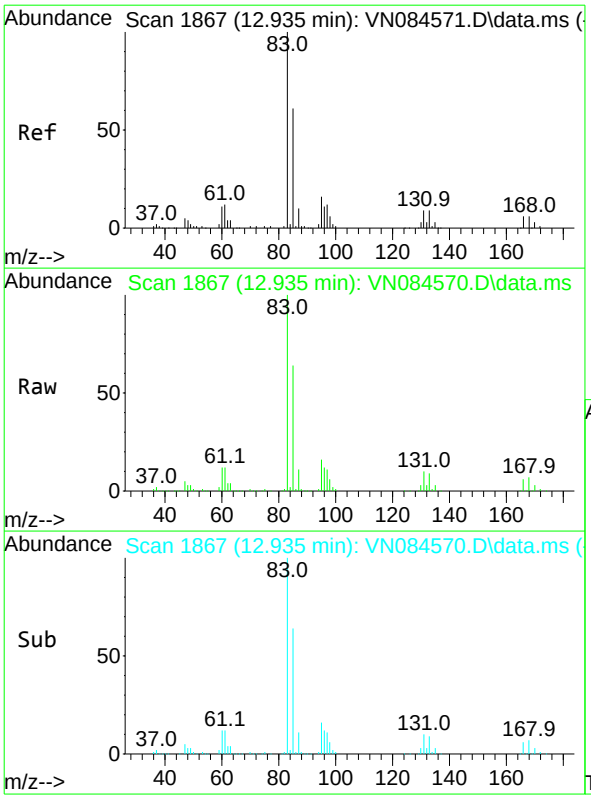


#74
N-amyl acetate
Concen: 103.666 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 43 Resp: 441232

Ion	Ratio	Lower	Upper
43	100		
70	44.2	34.4	51.6
55	25.0	19.6	29.4
61	24.4	19.6	29.4

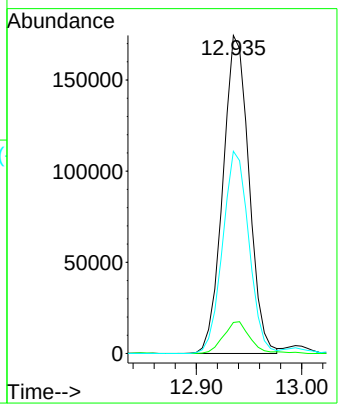




#75
1,1,2,2-Tetrachloroethane
Concen: 89.924 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 83 Resp: 300162

Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.9	14.7
85	64.0	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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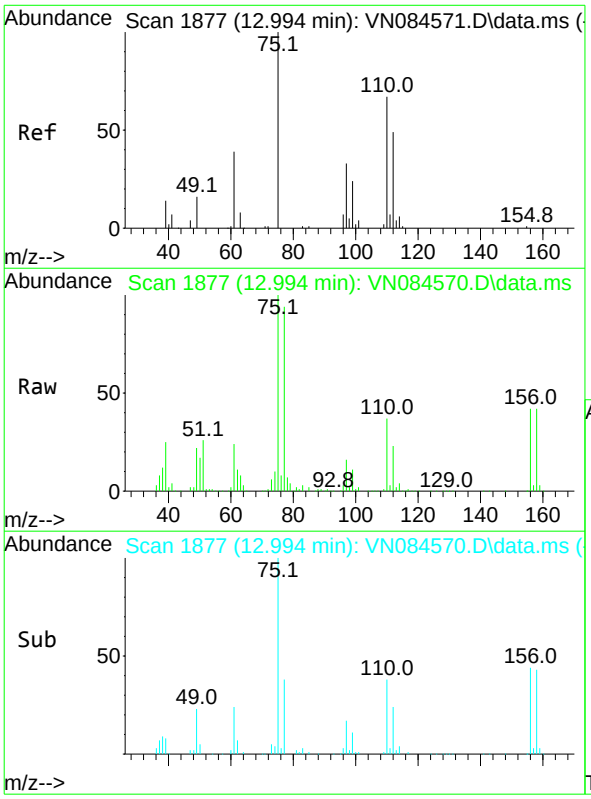
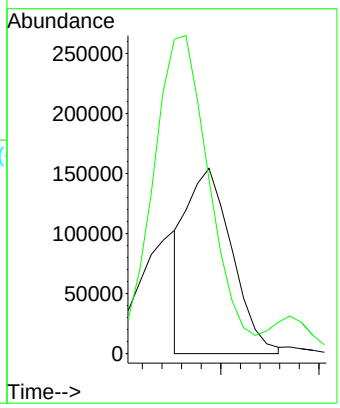
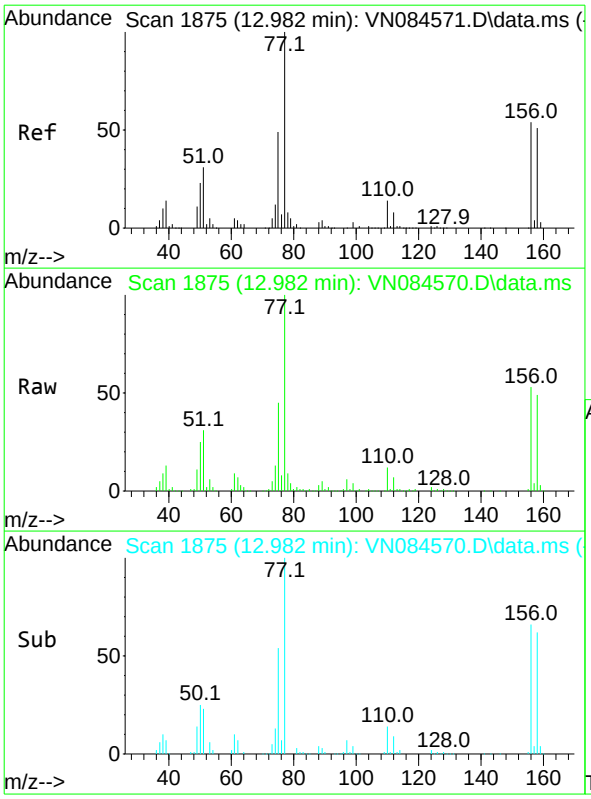


#76
1,2,3-Trichloropropane
Concen: 88.446 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 75 Resp: 249062

Ion	Ratio	Lower	Upper
75	100		
77	214.0	96.9	290.7

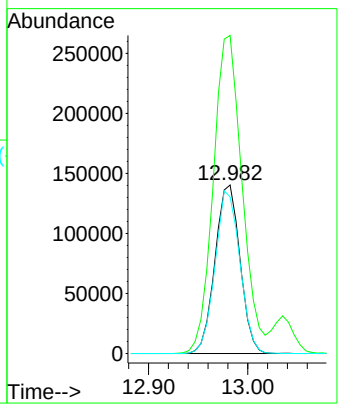




#77
Bromobenzene
Concen: 91.341 ug/l
RT: 12.982 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:156 Resp: 245558

Ion	Ratio	Lower	Upper
156	100		
77	217.0	115.1	345.3
158	96.1	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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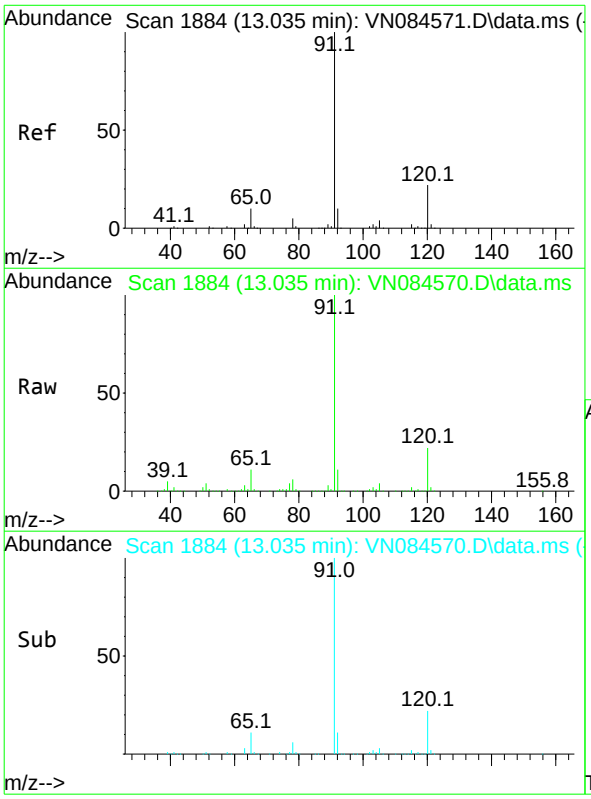
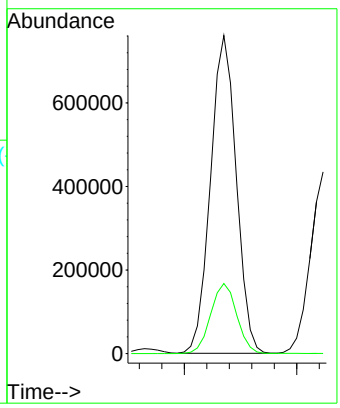
Supervised By :Mahesh Dadoda 11/04/2024

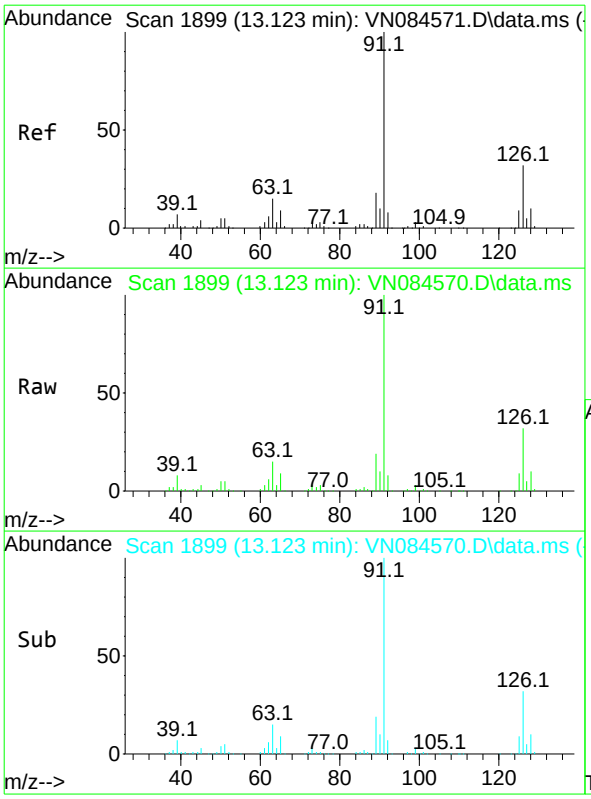


#78
n-propylbenzene
Concen: 103.100 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 91 Resp: 1208185

Ion	Ratio	Lower	Upper
91	100		
120	22.3	10.8	32.4

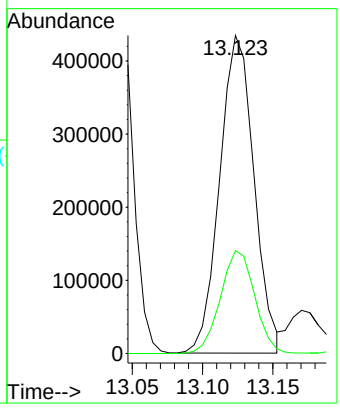




#79
2-Chlorotoluene
Concen: 96.217 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 91 Resp: 736738

Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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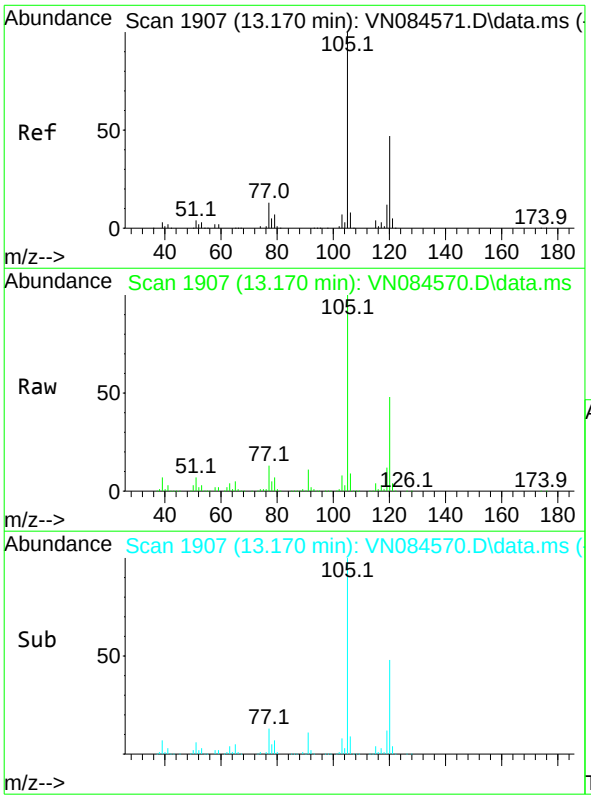
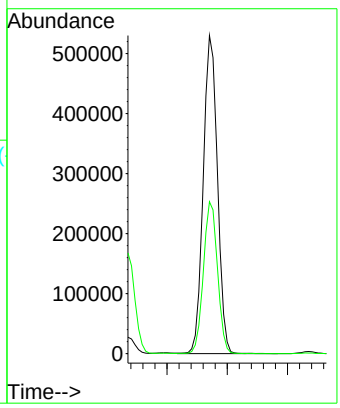
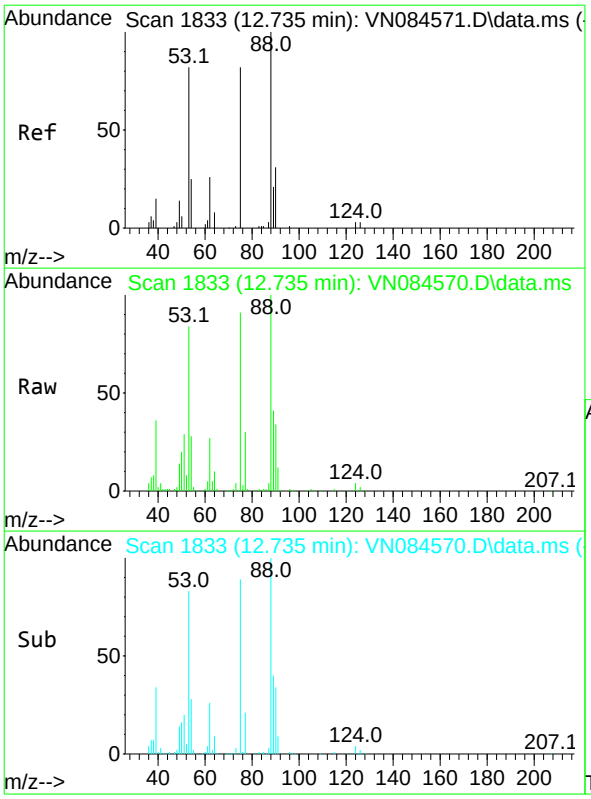


#80
1,3,5-Trimethylbenzene
Concen: 104.573 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:105 Resp: 866736

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.7	71.1

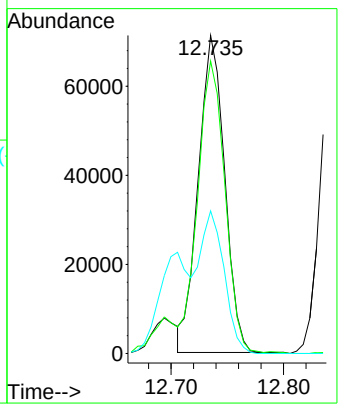




#81
trans-1,4-Dichloro-2-butene
Concen: 96.347 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 75 Resp: 115847

Ion	Ratio	Lower	Upper
75	100		
53	95.8	78.0	117.0
89	42.4	35.5	53.3



Instrument :
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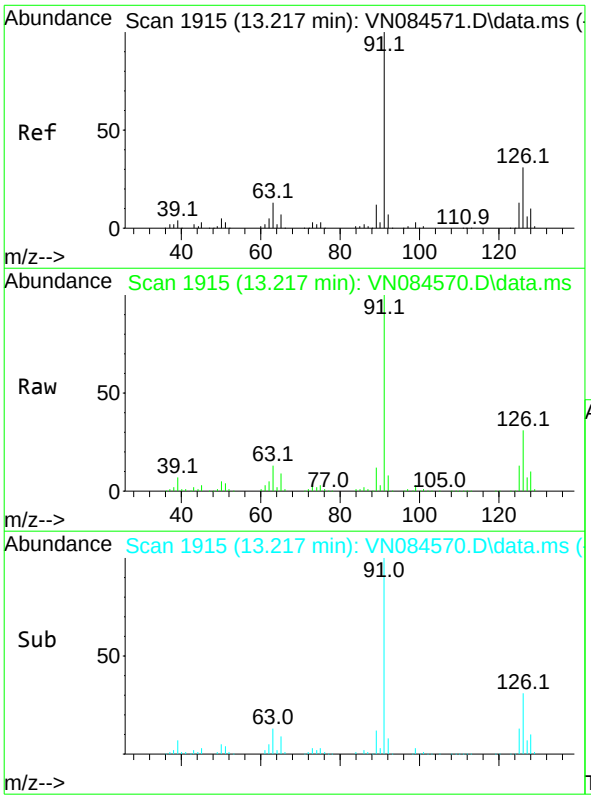
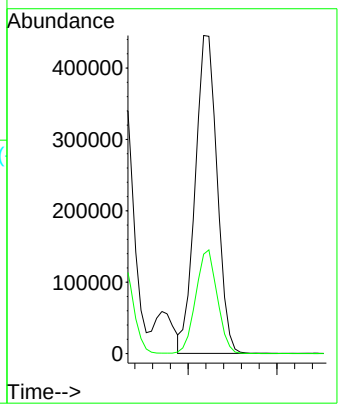
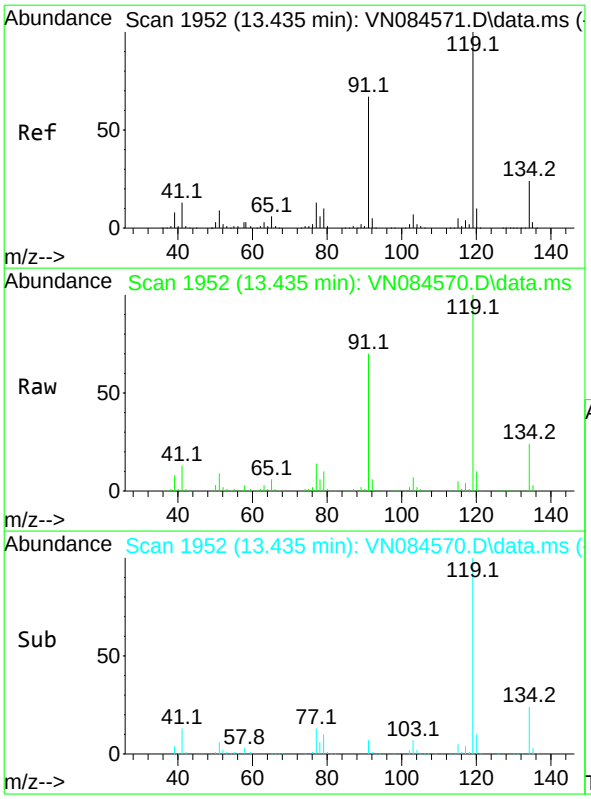


#82
4-Chlorotoluene
Concen: 94.462 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 91 Resp: 761196

Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.7	47.1

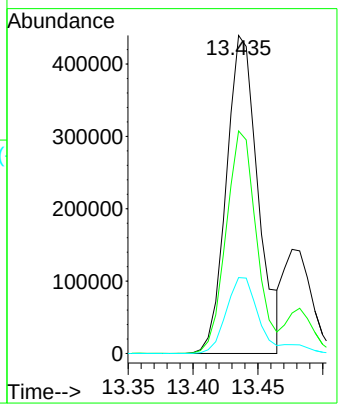




#83
tert-Butylbenzene
Concen: 108.888 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:119 Resp: 746926

Ion	Ratio	Lower	Upper
119	100		
91	67.1	34.1	102.3
134	25.9	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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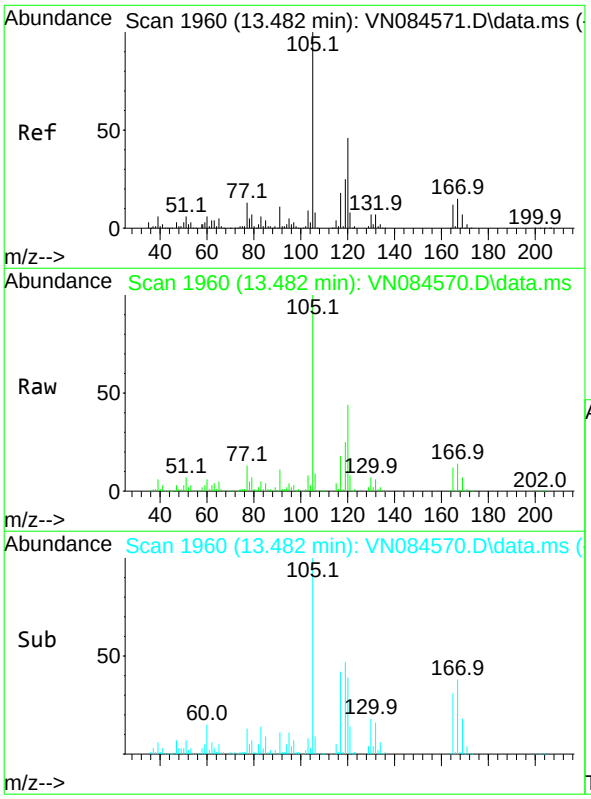
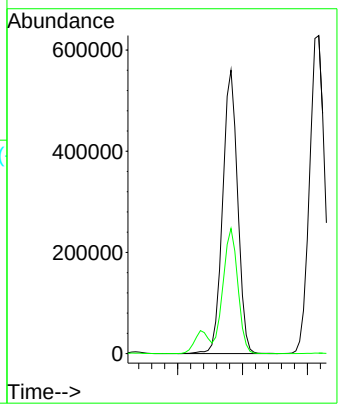
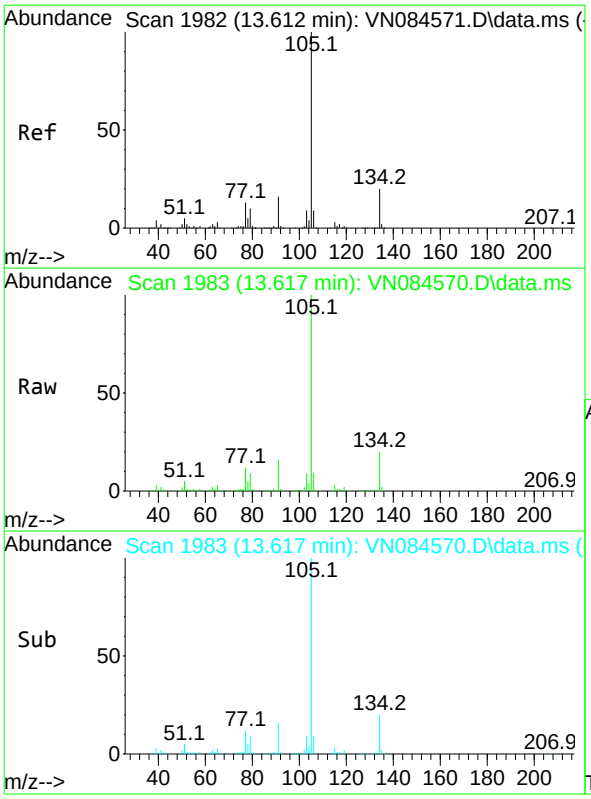


#84
1,2,4-Trimethylbenzene
Concen: 105.136 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:105 Resp: 899374

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.3	66.8

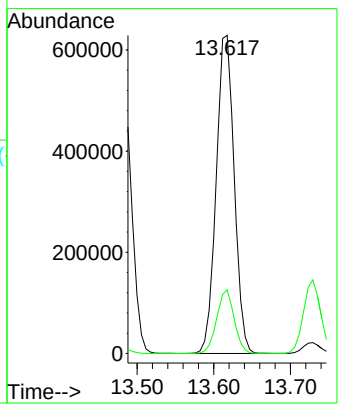




#85
sec-Butylbenzene
Concen: 106.032 ug/l
RT: 13.617 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:105 Resp: 1027413

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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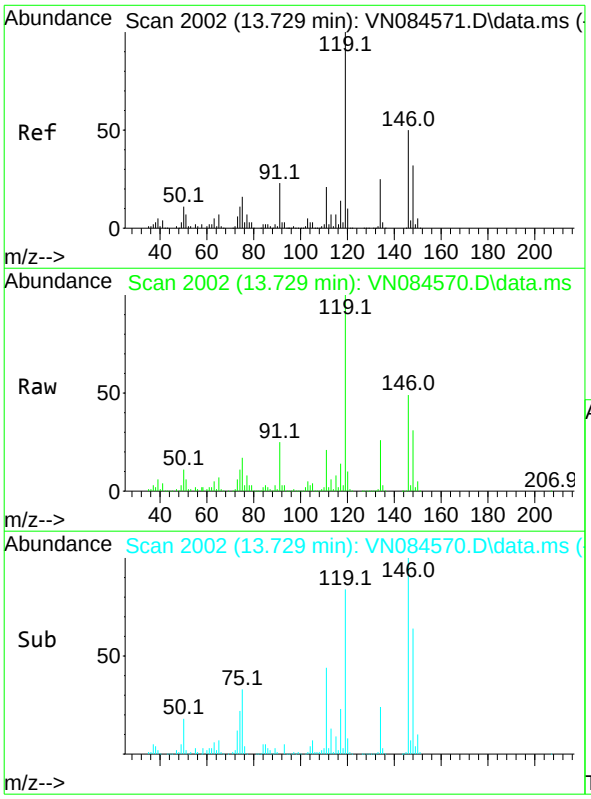
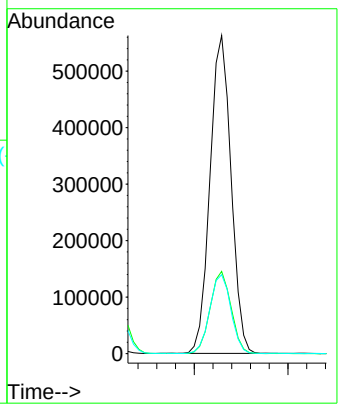
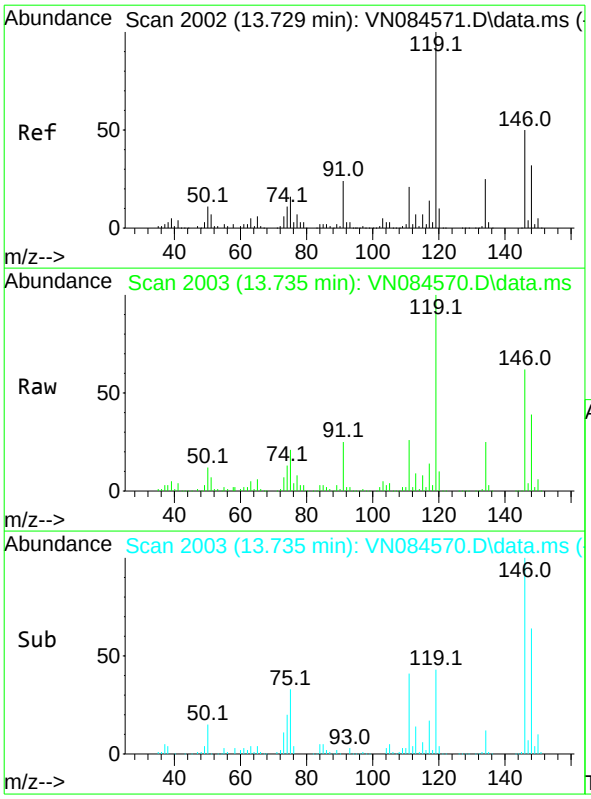


#86
p-Isopropyltoluene
Concen: 110.451 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:119 Resp: 877717

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.6	37.8
91	24.9	12.4	37.2

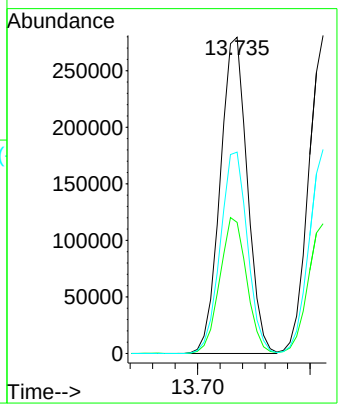




#87
1,3-Dichlorobenzene
Concen: 89.320 ug/l
RT: 13.735 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:146 Resp: 468620

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.8	65.3
148	63.8	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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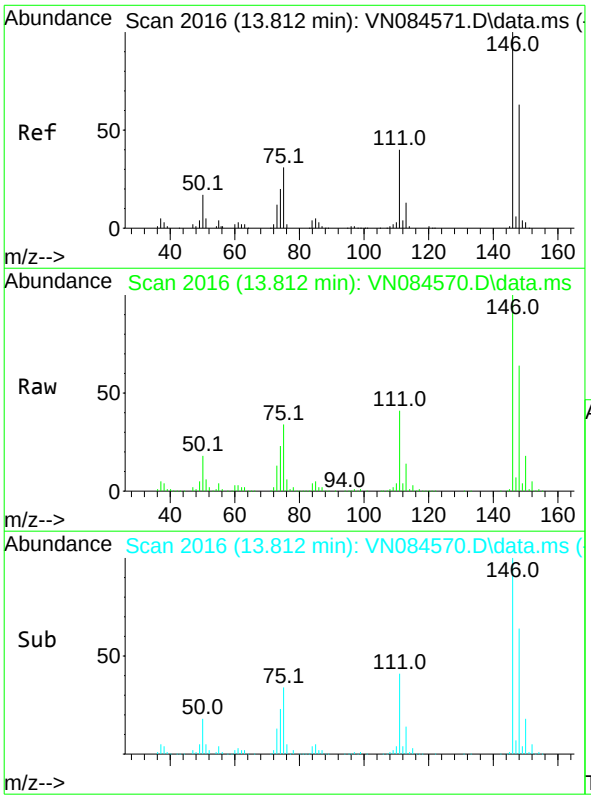
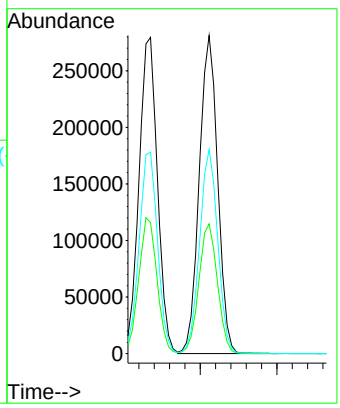
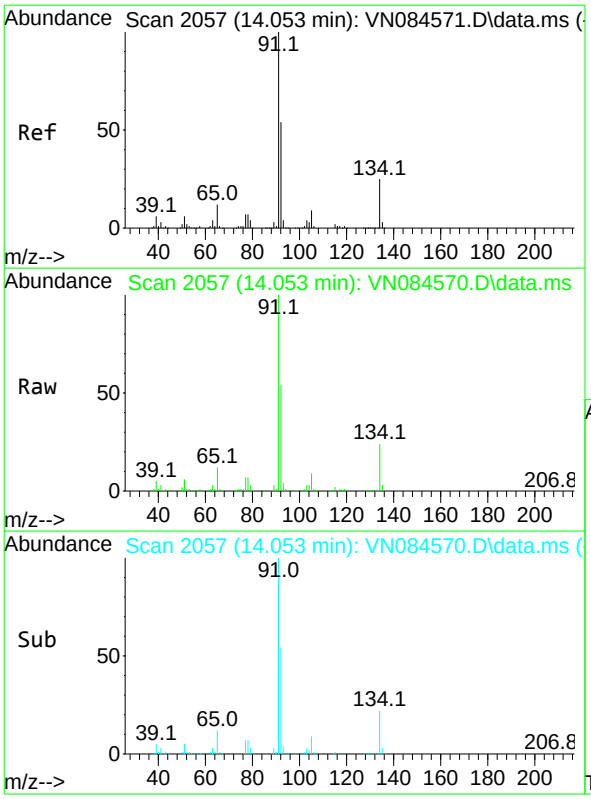


#88
1,4-Dichlorobenzene
Concen: 100.067 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:146 Resp: 469714

Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.2	63.6
148	63.1	31.9	95.9

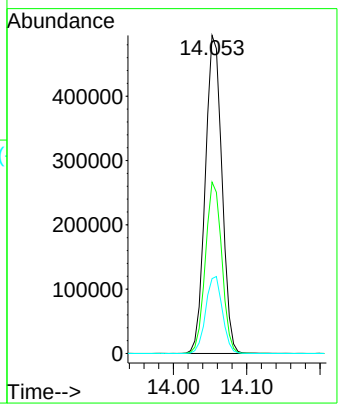




#89
n-Butylbenzene
Concen: 104.727 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 91 Resp: 778487

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.7
134	24.3	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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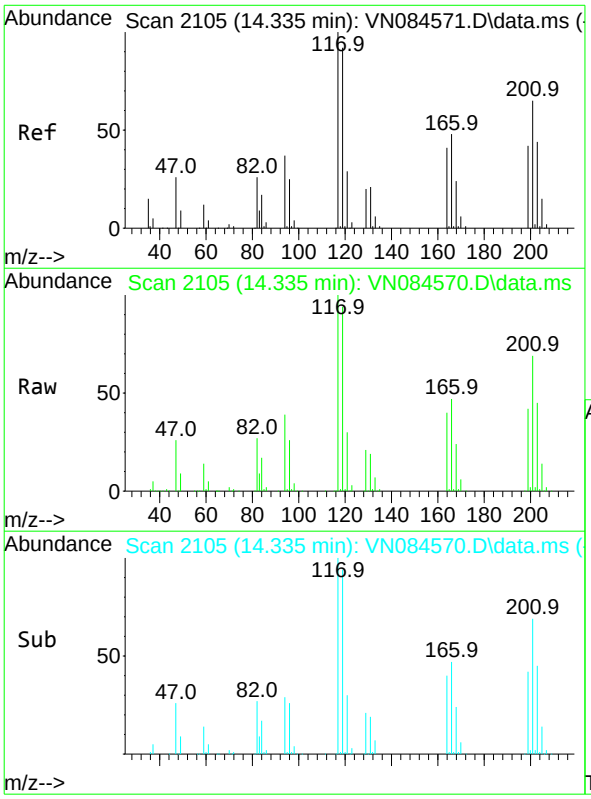
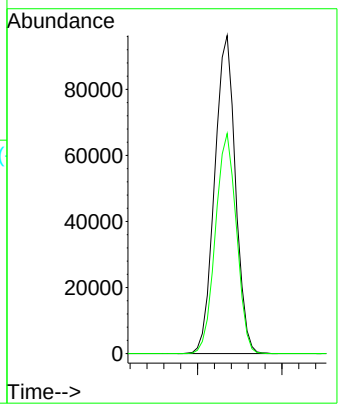
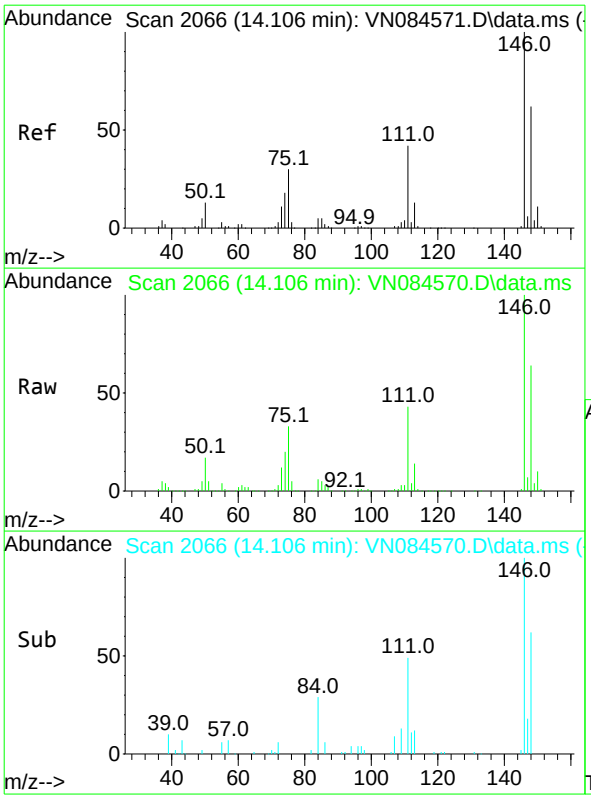


#90
Hexachloroethane
Concen: 93.123 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:117 Resp: 165030

Ion	Ratio	Lower	Upper
117	100		
201	69.8	34.4	103.2

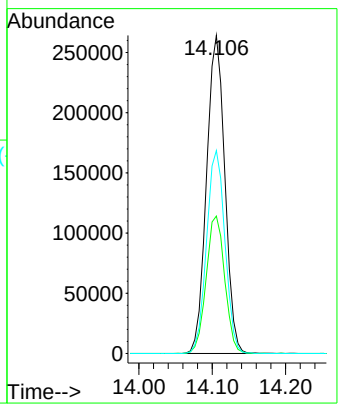




#91
1,2-Dichlorobenzene
Concen: 90.631 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:146 Resp: 456925

Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.0	66.0
148	64.2	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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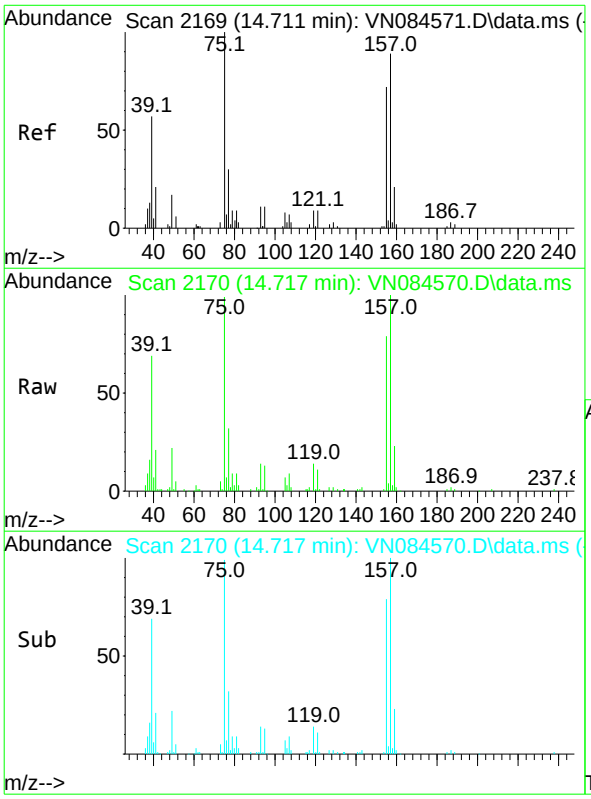
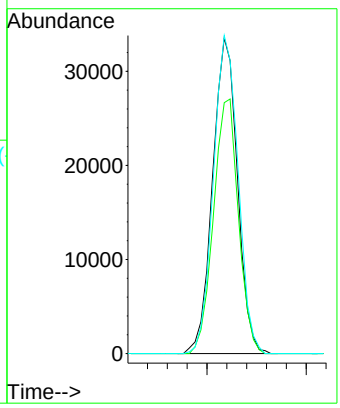
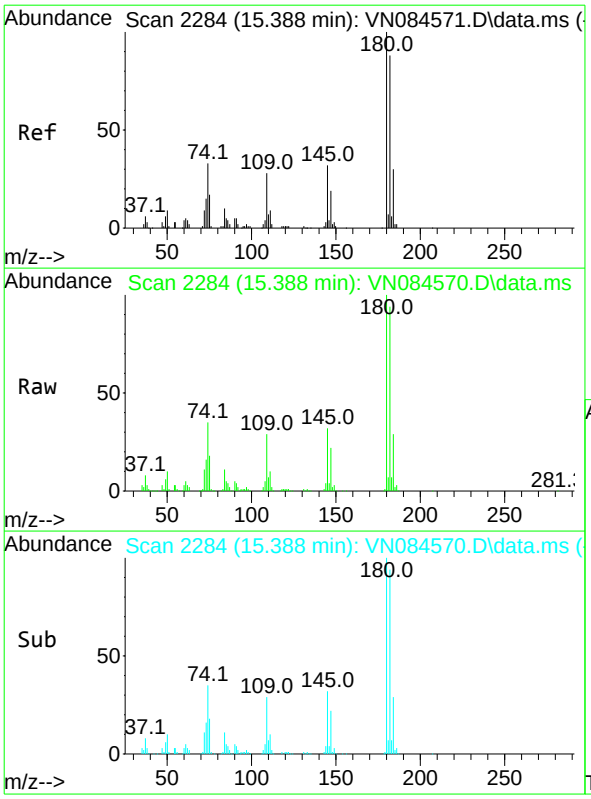


#92
1,2-Dibromo-3-Chloropropane
Concen: 86.136 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 75 Resp: 58247

Ion	Ratio	Lower	Upper
75	100		
155	81.0	38.1	114.5
157	100.4	49.6	149.0





#93
1,2,4-Trichlorobenzene
Concen: 88.091 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:180 Resp: 243087

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.0	141.0
145	32.9	16.4	49.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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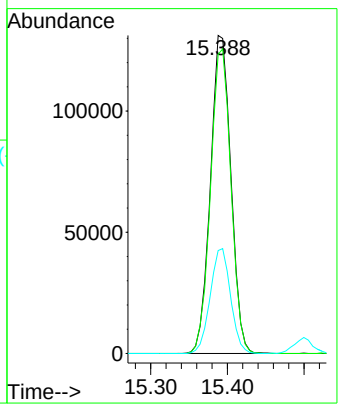
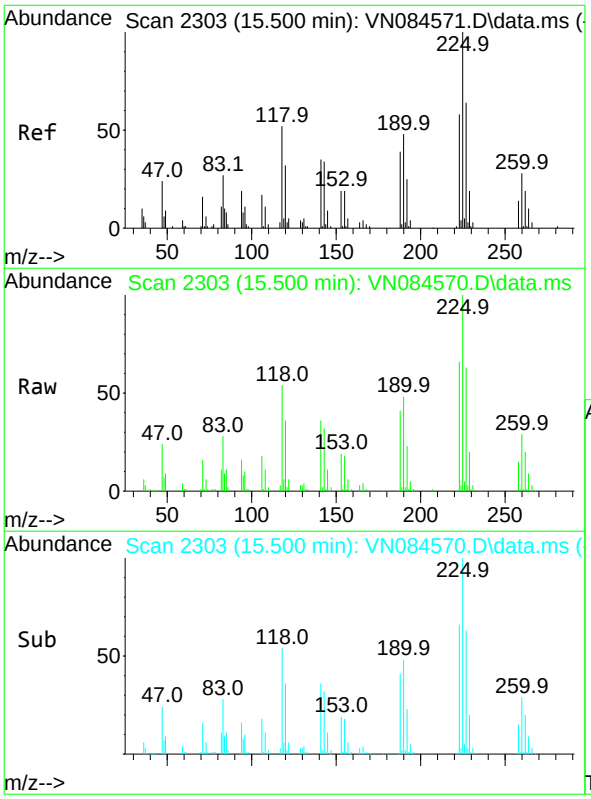
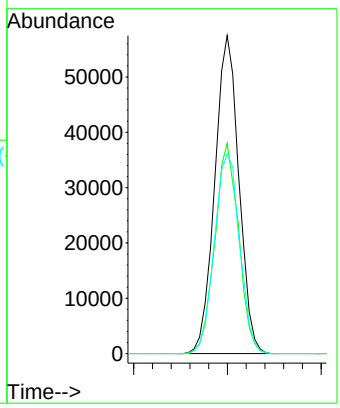


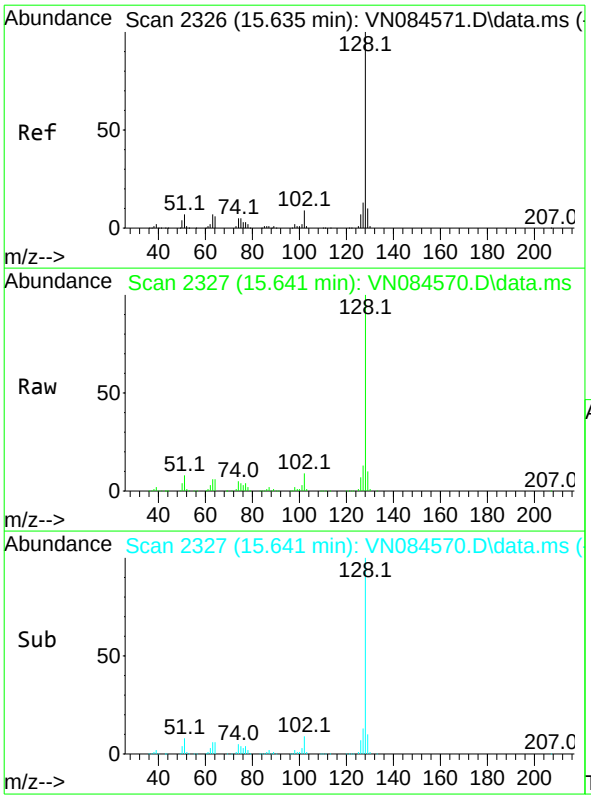


#94
Hexachlorobutadiene
Concen: 84.631 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:225 Resp: 102558

Ion	Ratio	Lower	Upper
225	100		
223	65.1	32.4	97.2
227	65.6	32.4	97.0

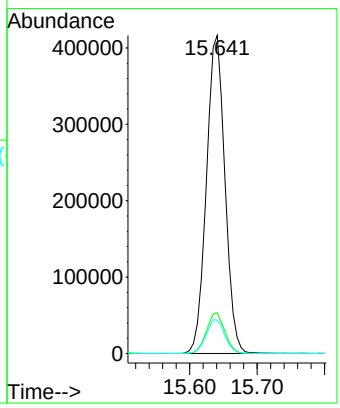




#95
Naphthalene
Concen: 95.997 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:128 Resp: 792903

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.8	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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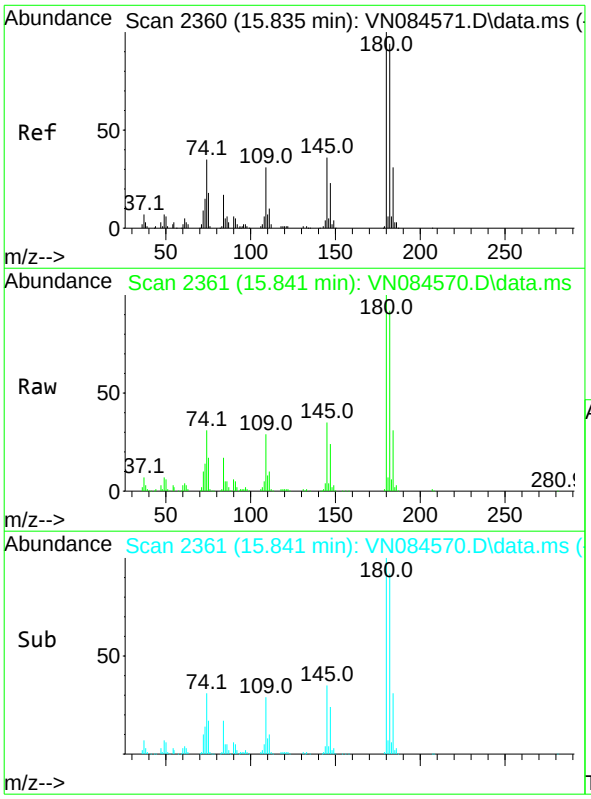
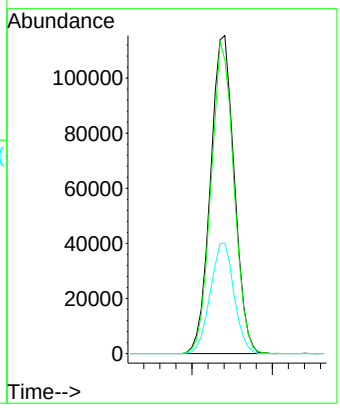


#96
1,2,3-Trichlorobenzene
Concen: 88.667 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:180 Resp: 237515

Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.2	144.6
145	34.6	17.3	51.9



ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	186594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	311554	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	279228	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	138307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	134521	49.914	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.820%			
35) Dibromofluoromethane	8.165	113	107131	50.801	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.600%			
50) Toluene-d8	10.565	98	405874	52.247	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.500%			
62) 4-Bromofluorobenzene	12.847	95	153622	52.913	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	103092	48.061	ug/l	97
3) Chloromethane	2.365	50	125344	49.788	ug/l	95
4) Vinyl Chloride	2.512	62	112961	48.962	ug/l	95
5) Bromomethane	2.901	94	55194	45.153	ug/l	100
6) Chloroethane	3.071	64	70126	49.078	ug/l	96
7) Trichlorofluoromethane	3.471	101	178947	47.086	ug/l	97
8) Diethyl Ether	3.953	74	65946	49.190	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.353	101	103864	48.366	ug/l	98
10) Methyl Iodide	4.583	142	137274	47.829	ug/l	97
11) Tert butyl alcohol	5.536	59	80598	226.565	ug/l	100
12) 1,1-Dichloroethene	4.324	96	100445	47.270	ug/l	96
13) Acrolein	4.171	56	82129	231.524	ug/l	99
14) Allyl chloride	5.012	41	171045	49.635	ug/l	92
15) Acrylonitrile	5.718	53	252853	245.525	ug/l	98
16) Acetone	4.424	43	189949	243.925	ug/l	99
17) Carbon Disulfide	4.700	76	299041	45.698	ug/l	99
18) Methyl Acetate	5.024	43	139826	49.097	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	328099	50.376	ug/l	97
20) Methylene Chloride	5.271	84	112282	47.370	ug/l	92
21) trans-1,2-Dichloroethene	5.777	96	105050	48.146	ug/l	96
22) Diisopropyl ether	6.671	45	346126	50.549	ug/l	98
23) Vinyl Acetate	6.600	43	1212022	256.673	ug/l	99
24) 1,1-Dichloroethane	6.559	63	198817	48.362	ug/l	100
25) 2-Butanone	7.483	43	294207	233.994	ug/l	98
26) 2,2-Dichloropropane	7.483	77	175511	49.052	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	123436	48.450	ug/l	97
28) Bromochloromethane	7.812	49	95269	58.166	ug/l	95
29) Tetrahydrofuran	7.835	42	206980	248.139	ug/l	97
30) Chloroform	7.965	83	202589	48.417	ug/l	98
31) Cyclohexane	8.253	56	175038	47.043	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	184986	48.573	ug/l	98
36) 1,1-Dichloropropene	8.365	75	140593	48.071	ug/l	99
37) Ethyl Acetate	7.553	43	131332	49.493	ug/l	99
38) Carbon Tetrachloride	8.359	117	160134	48.985	ug/l	97
39) Methylcyclohexane	9.600	83	158489	53.267	ug/l	99
40) Benzene	8.600	78	451074	48.024	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	76791	53.814 ug/l	97
42) 1,2-Dichloroethane	8.665	62	153960	50.614 ug/l	100
43) Isopropyl Acetate	8.688	43	235517	48.004 ug/l	99
44) Trichloroethene	9.353	130	104498	48.241 ug/l	98
45) 1,2-Dichloropropane	9.618	63	108302	49.154 ug/l	95
46) Dibromomethane	9.706	93	76019	48.895 ug/l	97
47) Bromodichloromethane	9.888	83	162307	49.525 ug/l	97
48) Methyl methacrylate	9.677	41	107828	52.212 ug/l	98
49) 1,4-Dioxane	9.694	88	37719	1030.669 ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	658351	260.254 ug/l	98
52) Toluene	10.629	92	280034	50.978 ug/l	99
53) t-1,3-Dichloropropene	10.835	75	169085	49.843 ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	180909	50.386 ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	102401	49.487 ug/l	98
56) Ethyl methacrylate	10.871	69	168060	56.150 ug/l	96
57) 1,3-Dichloropropane	11.159	76	175929	49.539 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	407857	291.210 ug/l	97
59) 2-Hexanone	11.194	43	485391	263.615 ug/l	98
60) Dibromochloromethane	11.359	129	122816	52.078 ug/l	98
61) 1,2-Dibromoethane	11.465	107	103901	49.034 ug/l	98
64) Tetrachloroethene	11.100	164	87457	47.088 ug/l	96
65) Chlorobenzene	11.888	112	296199	47.416 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	104844	48.252 ug/l	99
67) Ethyl Benzene	11.965	91	528107	50.646 ug/l	100
68) m/p-Xylenes	12.070	106	406816	103.053 ug/l	98
69) o-Xylene	12.394	106	192710	52.183 ug/l	99
70) Styrene	12.412	104	336570	52.245 ug/l	99
71) Bromoform	12.576	173	82245	50.303 ug/l #	99
73) Isopropylbenzene	12.694	105	493742	50.942 ug/l	99
74) N-amyl acetate	12.494	43	211326	51.228 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	148441	45.884 ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	122649m	44.939 ug/l	
77) Bromobenzene	12.982	156	122062	46.847 ug/l	95
78) n-propylbenzene	13.035	91	585903	51.587 ug/l	100
79) 2-Chlorotoluene	13.123	91	362526	48.850 ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	424332	52.823 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	55485	47.612 ug/l	92
82) 4-Chlorotoluene	13.217	91	375636	48.097 ug/l	99
83) tert-Butylbenzene	13.435	119	350031	52.649 ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	435421	52.518 ug/l	99
85) sec-Butylbenzene	13.612	105	489305	52.102 ug/l	100
86) p-Isopropyltoluene	13.729	119	421834	54.770 ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	230686	45.366 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	231568	49.658 ug/l	98
89) n-Butylbenzene	14.053	91	362215	50.276 ug/l	99
90) Hexachloroethane	14.335	117	81515	47.459 ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	223772	45.796 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.711	75	29987	45.754 ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	119579	44.711 ug/l	99
94) Hexachlorobutadiene	15.500	225	51033	43.451 ug/l	98
95) Naphthalene	15.635	128	384553	48.037 ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	116341	44.812 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
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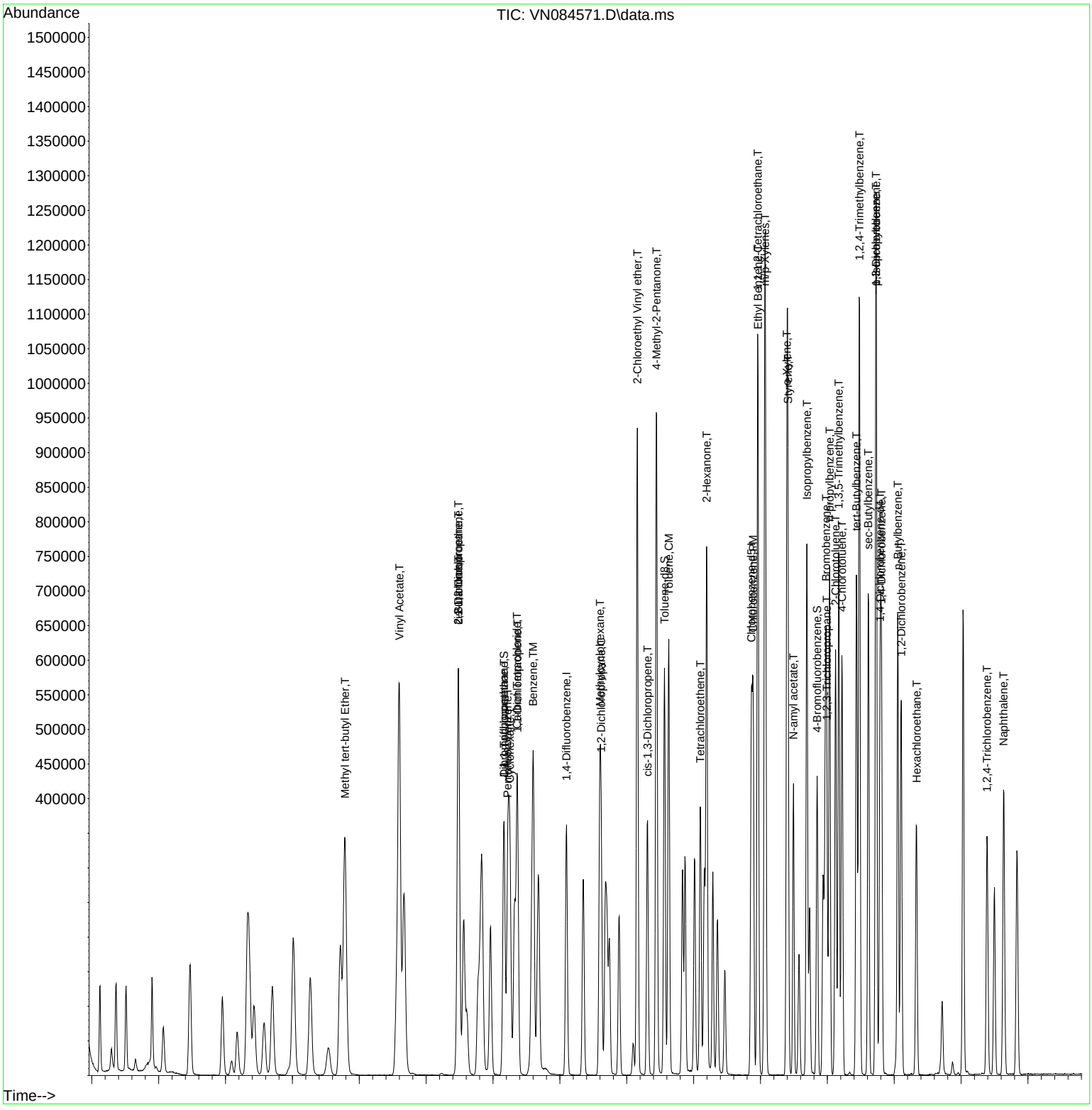
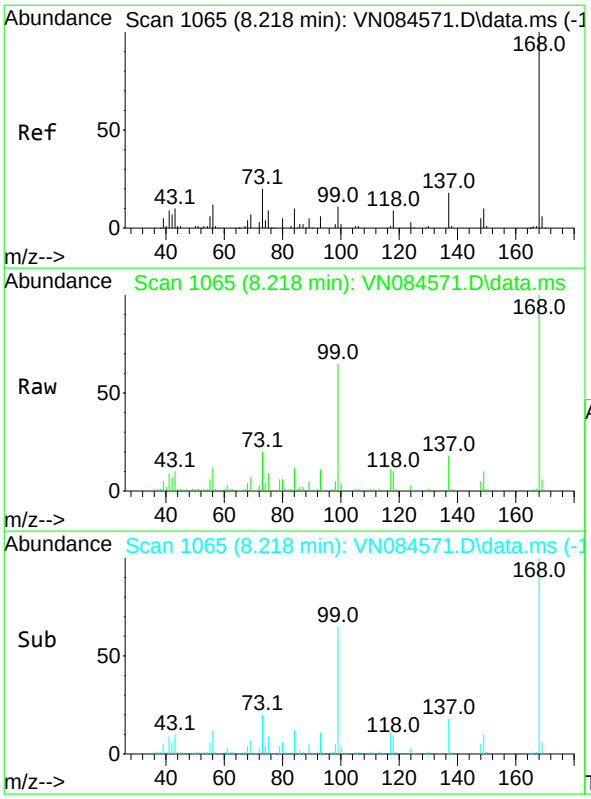
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

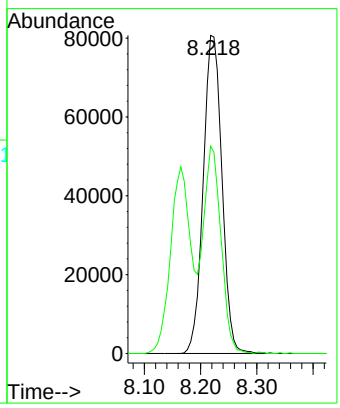




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:168 Resp: 186594

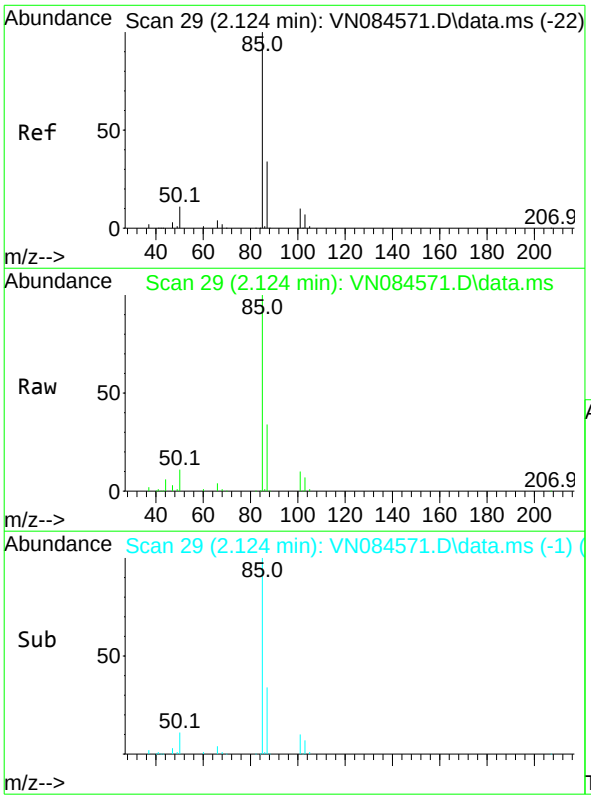
Ion	Ratio	Lower	Upper
168	100		
99	65.2	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

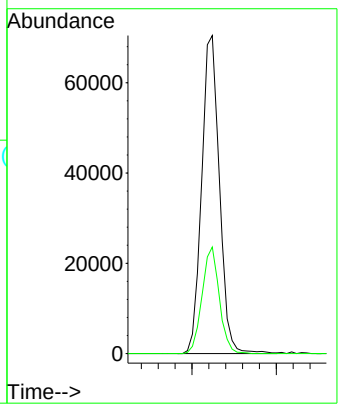
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

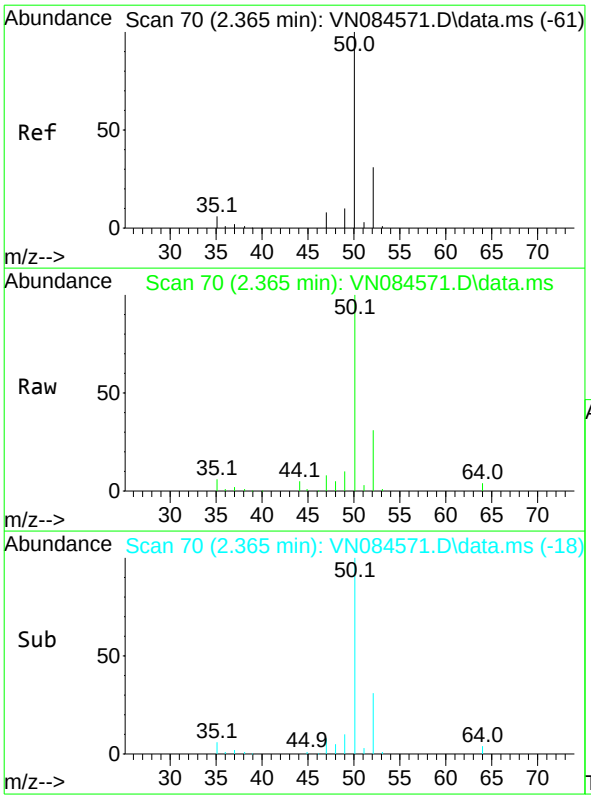


#2
Dichlorodifluoromethane
Concen: 48.061 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 85 Resp: 103092

Ion	Ratio	Lower	Upper
85	100		
87	33.5	17.6	52.9

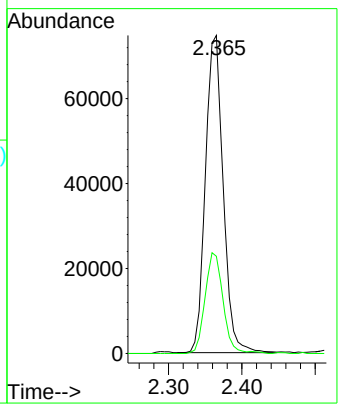




#3
Chloromethane
Concen: 49.788 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 50 Resp: 125344

Ion	Ratio	Lower	Upper
50	100		
52	30.6	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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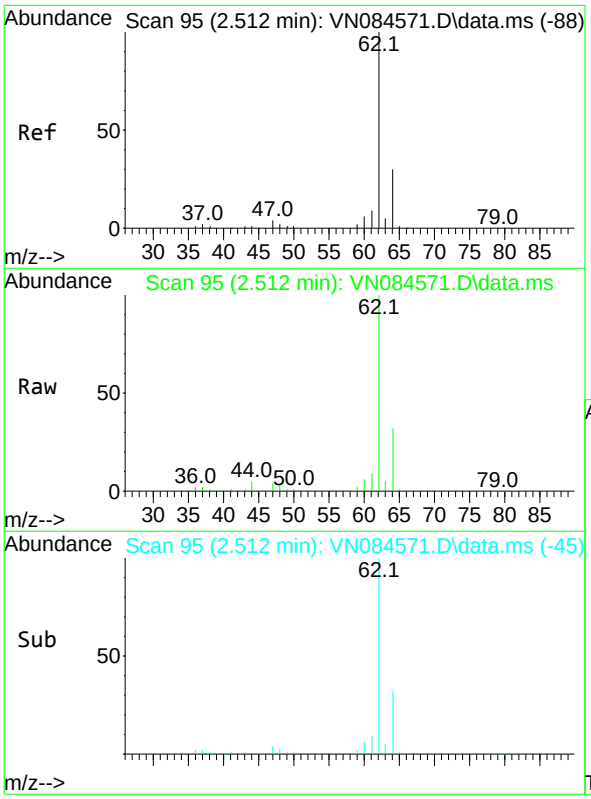
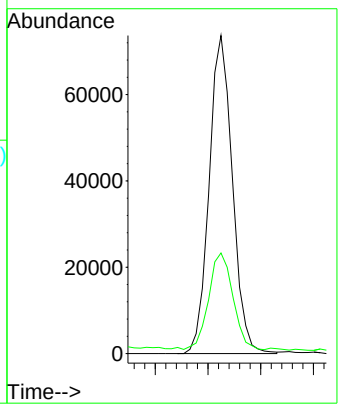
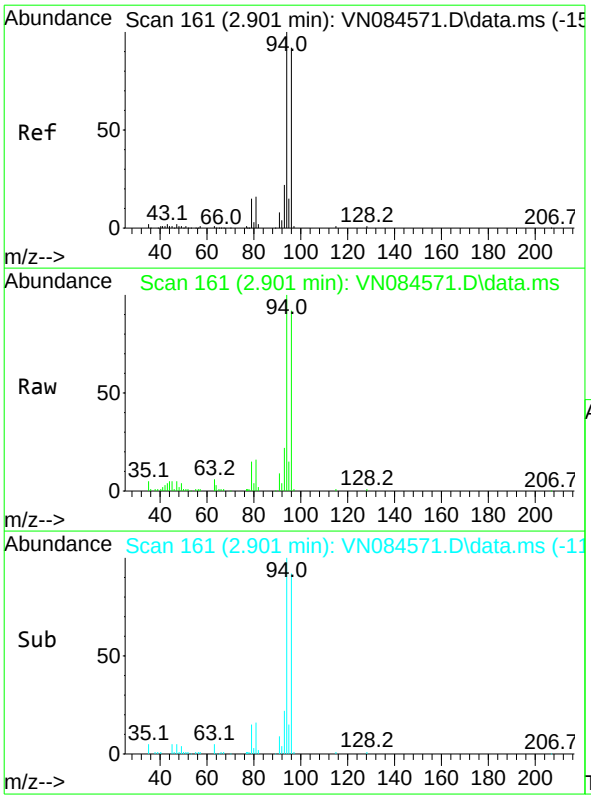


#4
Vinyl Chloride
Concen: 48.962 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 62 Resp: 112961

Ion	Ratio	Lower	Upper
62	100		
64	30.1	26.2	39.4

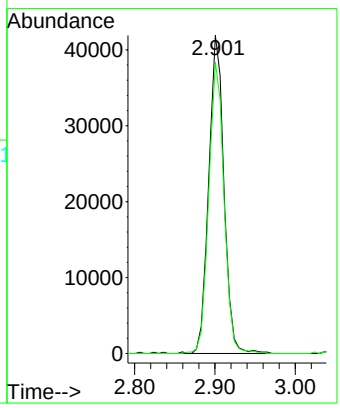




#5
Bromomethane
Concen: 45.153 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.052 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 94 Resp: 55194

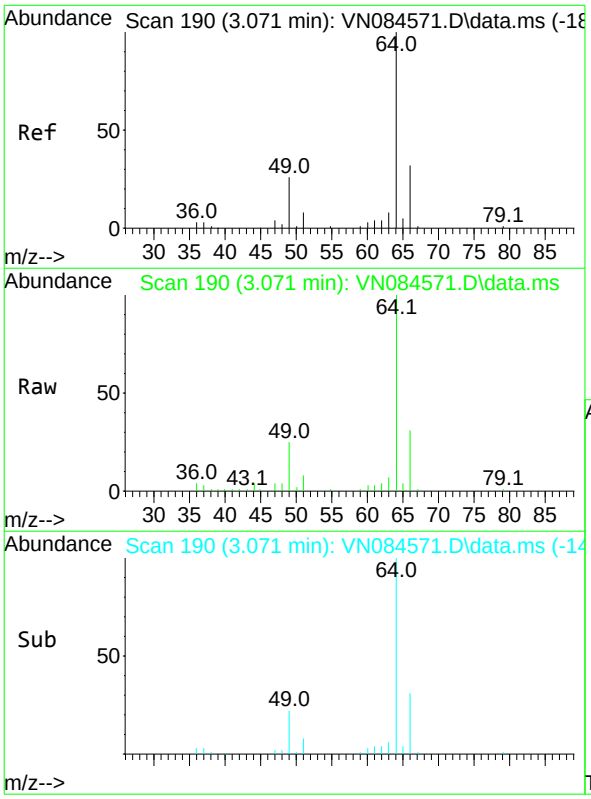
Ion	Ratio	Lower	Upper
94	100		
96	91.5	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

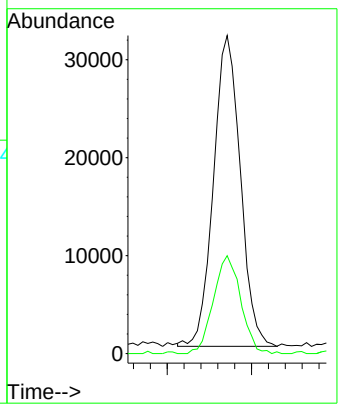
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

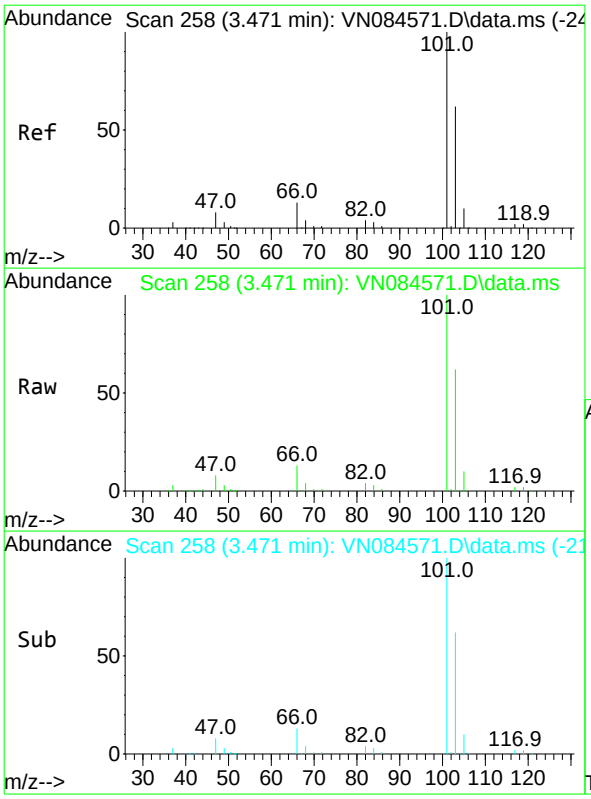


#6
Chloroethane
Concen: 49.078 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.047 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 64 Resp: 70126

Ion	Ratio	Lower	Upper
64	100		
66	31.5	23.5	35.3

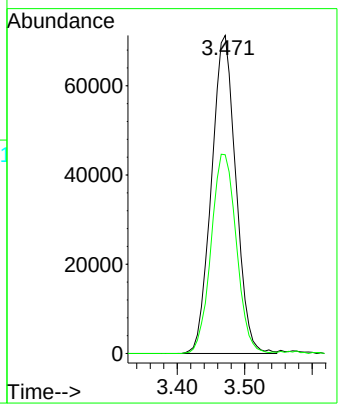




#7
Trichlorofluoromethane
Concen: 47.086 ug/l
RT: 3.471 min Scan# 25
Delta R.T. -0.024 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:101 Resp: 178947

Ion	Ratio	Lower	Upper
101	100		
103	62.5	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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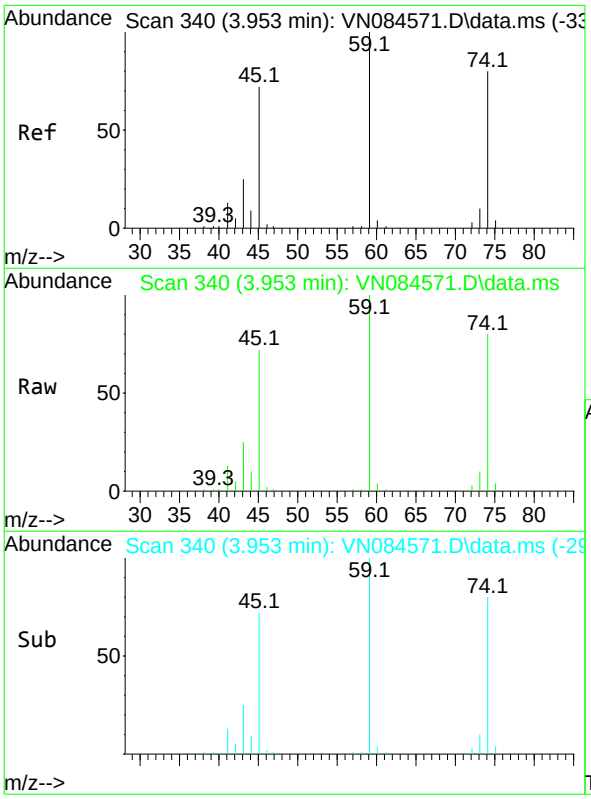
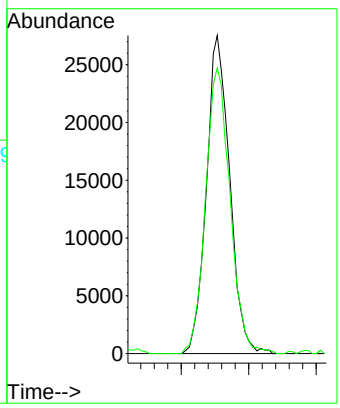
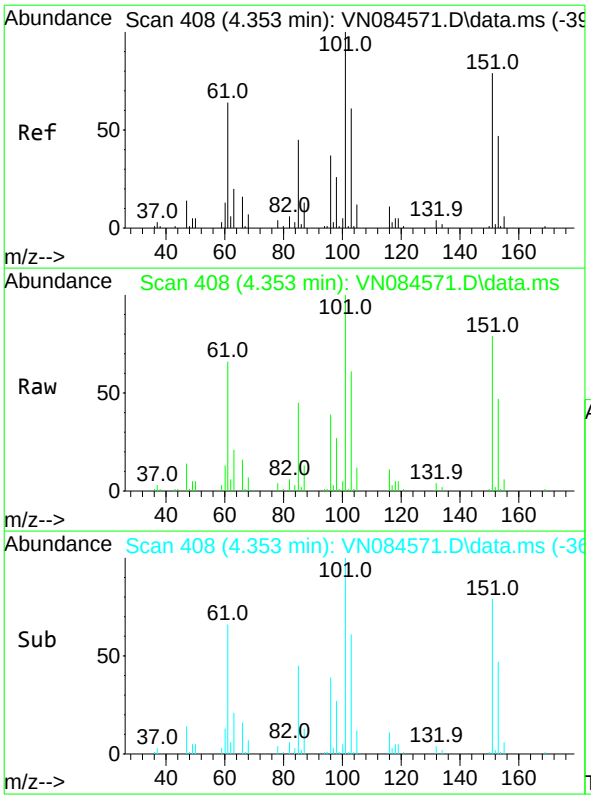


#8
Diethyl Ether
Concen: 49.190 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 74 Resp: 65946

Ion	Ratio	Lower	Upper
74	100		
45	94.5	47.7	143.1

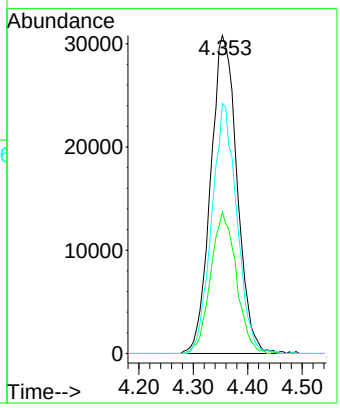




#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.366 ug/l
RT: 4.353 min Scan# 40
Delta R.T. -0.018 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:101 Resp: 103864

Ion	Ratio	Lower	Upper
101	100		
85	43.2	36.2	54.4
151	74.7	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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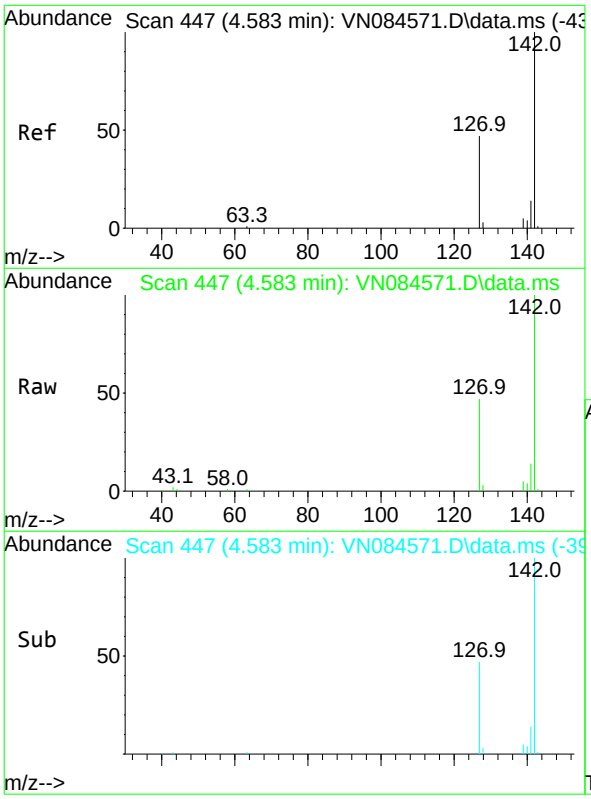
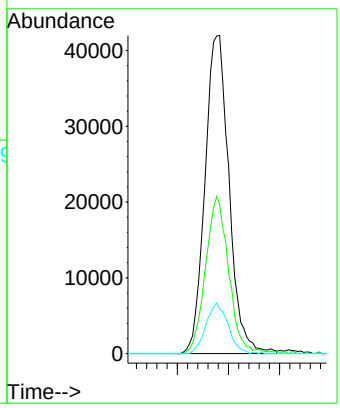
Supervised By :Mahesh Dadoda 11/04/2024

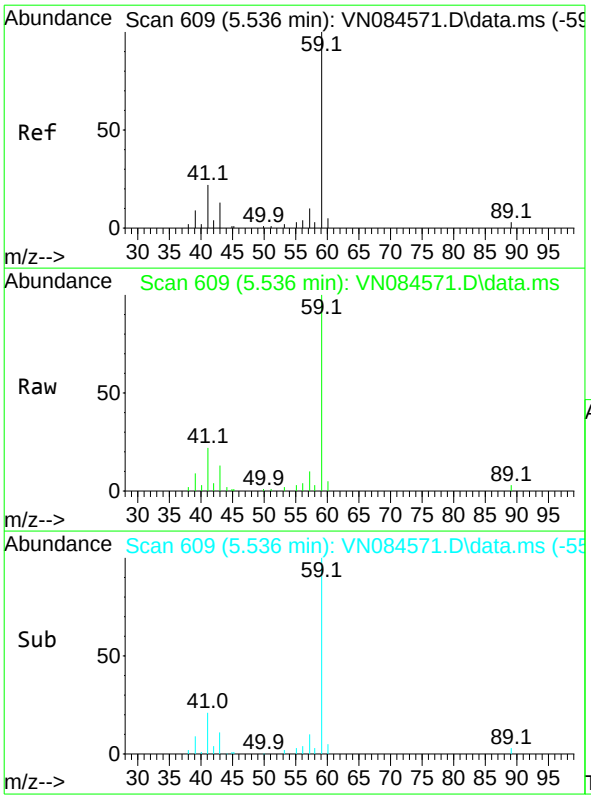


#10
Methyl Iodide
Concen: 47.829 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:142 Resp: 137274

Ion	Ratio	Lower	Upper
142	100		
127	46.9	35.3	52.9
141	14.0	11.0	16.6

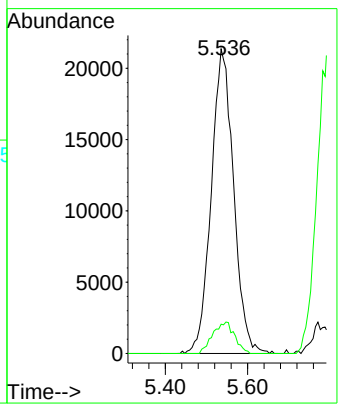




#11
Tert butyl alcohol
Concen: 226.565 ug/l
RT: 5.536 min Scan# 60
Delta R.T. 0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 59 Resp: 80598

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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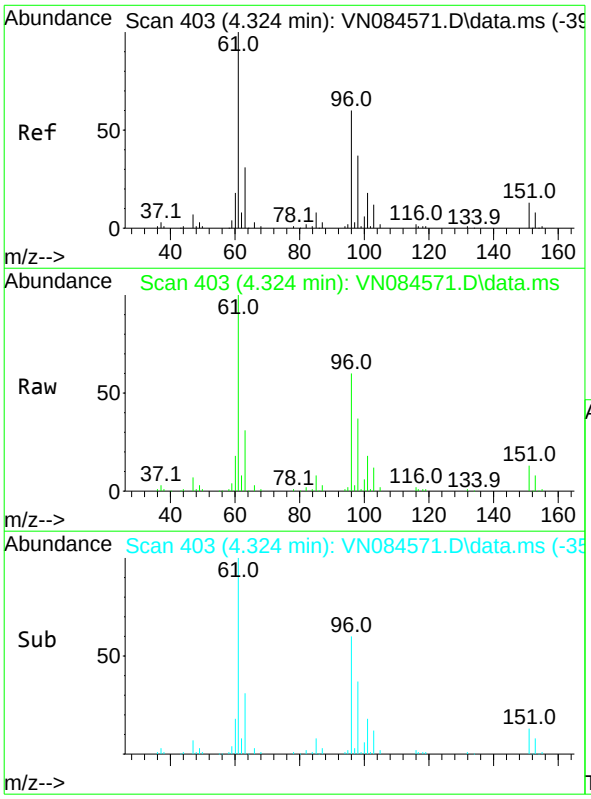
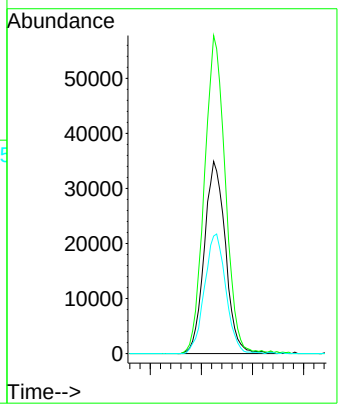
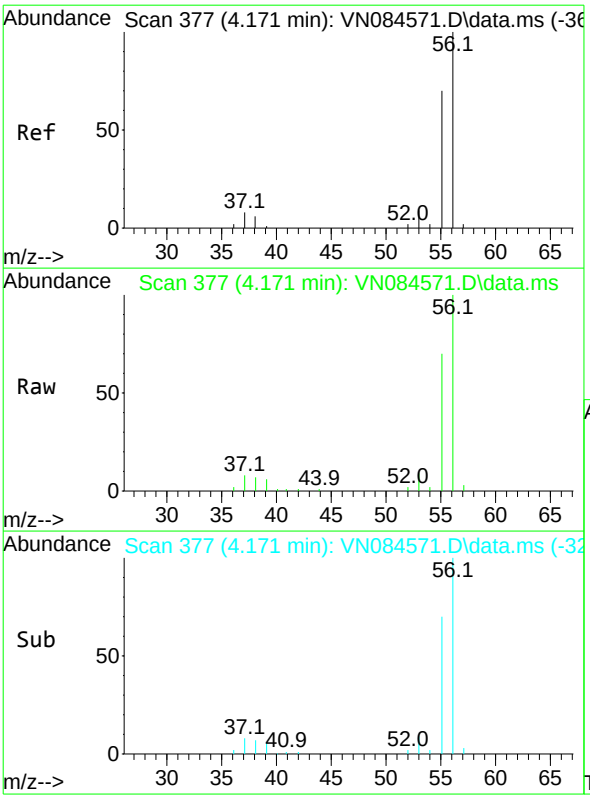


#12
1,1-Dichloroethene
Concen: 47.270 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 96 Resp: 100445

Ion	Ratio	Lower	Upper
96	100		
61	165.4	128.6	192.8
98	61.1	51.7	77.5

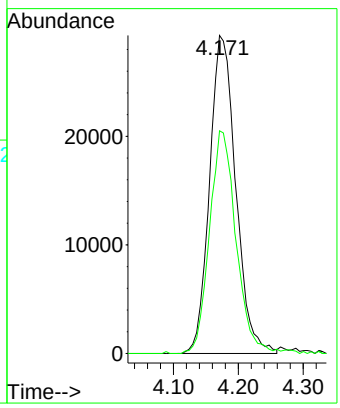




#13
Acrolein
Concen: 231.524 ug/l
RT: 4.171 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 56 Resp: 82129

Ion	Ratio	Lower	Upper
56	100		
55	70.8	57.2	85.8



Instrument :
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ClientSampleId :
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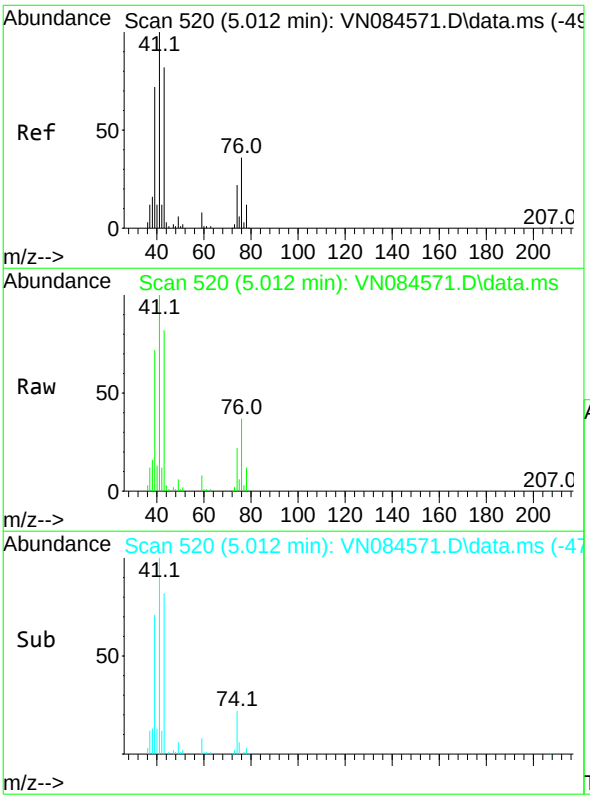
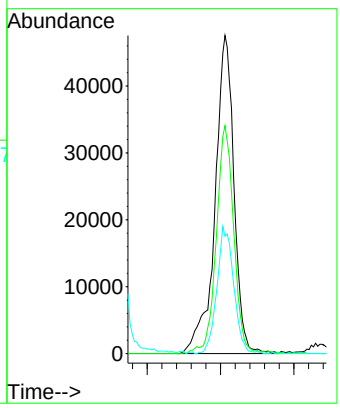
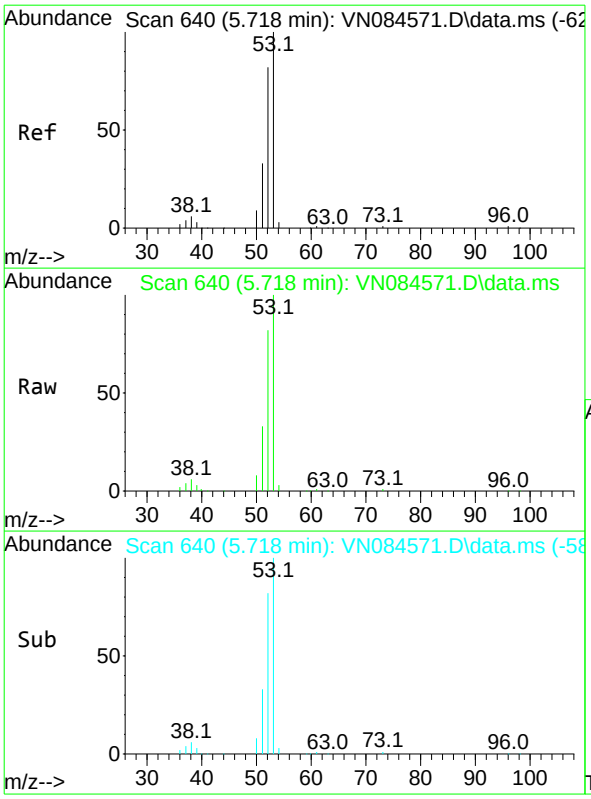


#14
Allyl chloride
Concen: 49.635 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 41 Resp: 171045

Ion	Ratio	Lower	Upper
41	100		
39	65.6	59.0	88.6
76	35.1	29.8	44.6

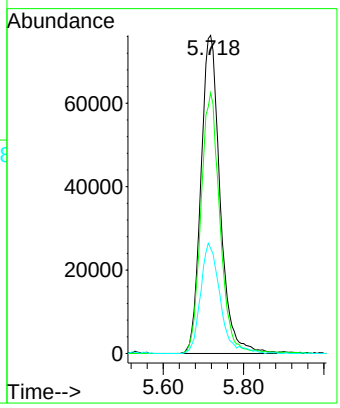




#15
Acrylonitrile
Concen: 245.525 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 53 Resp: 252853

Ion	Ratio	Lower	Upper
53	100		
52	80.1	66.2	99.4
51	35.4	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
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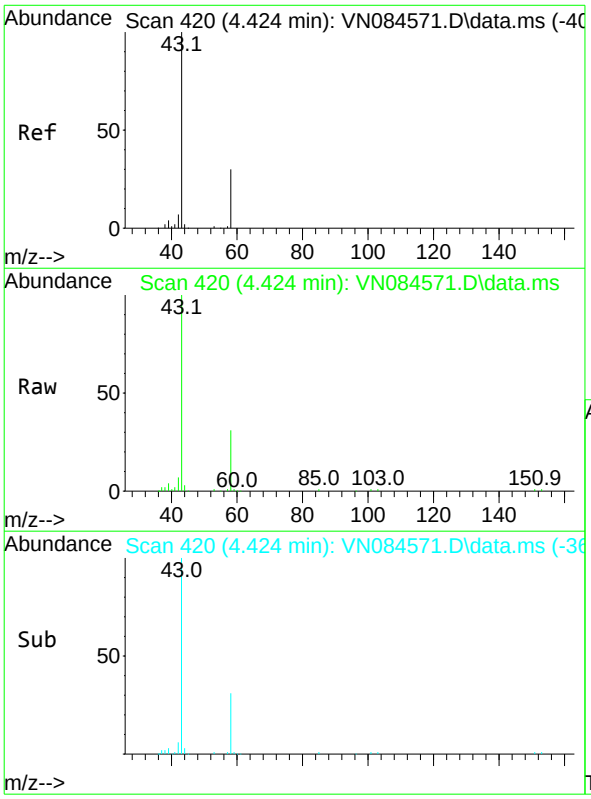
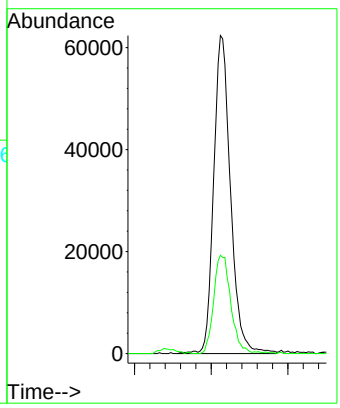
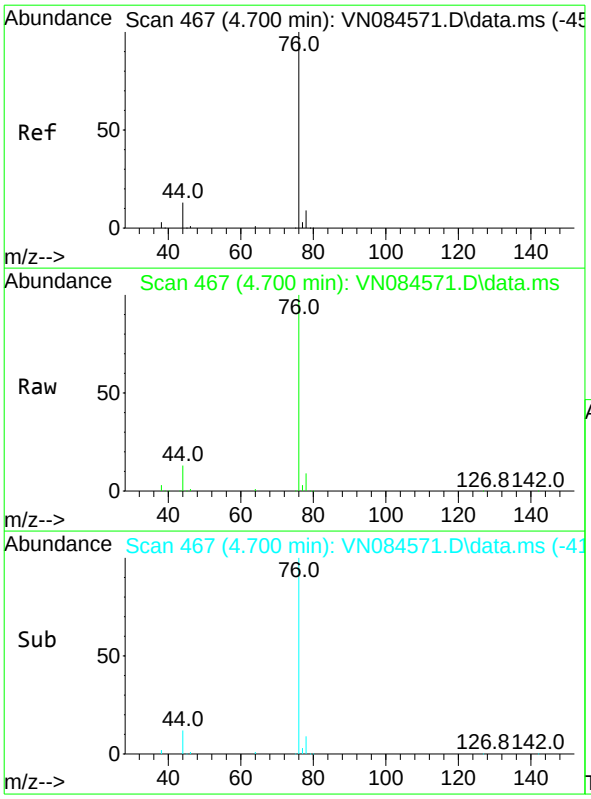


#16
Acetone
Concen: 243.925 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 43 Resp: 189949

Ion	Ratio	Lower	Upper
43	100		
58	30.9	24.4	36.6

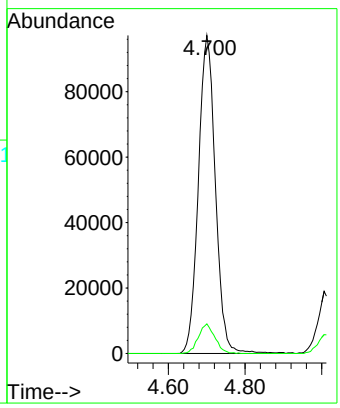




#17
Carbon Disulfide
Concen: 45.698 ug/l
RT: 4.700 min Scan# 46
Delta R.T. -0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 76 Resp: 299041

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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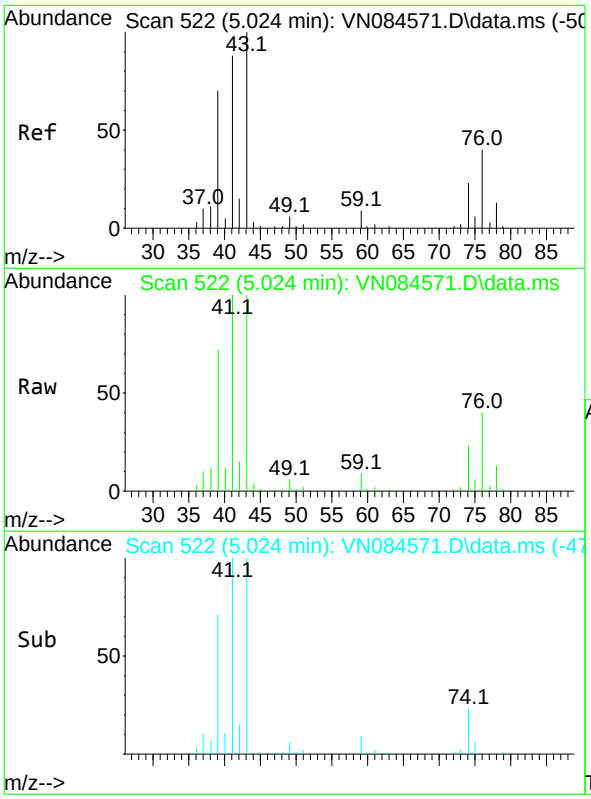
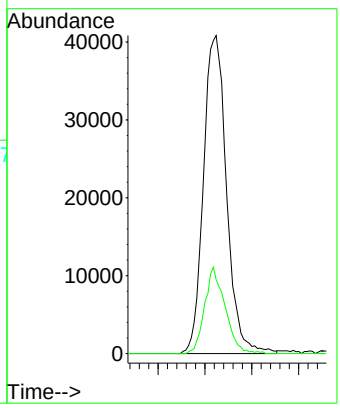
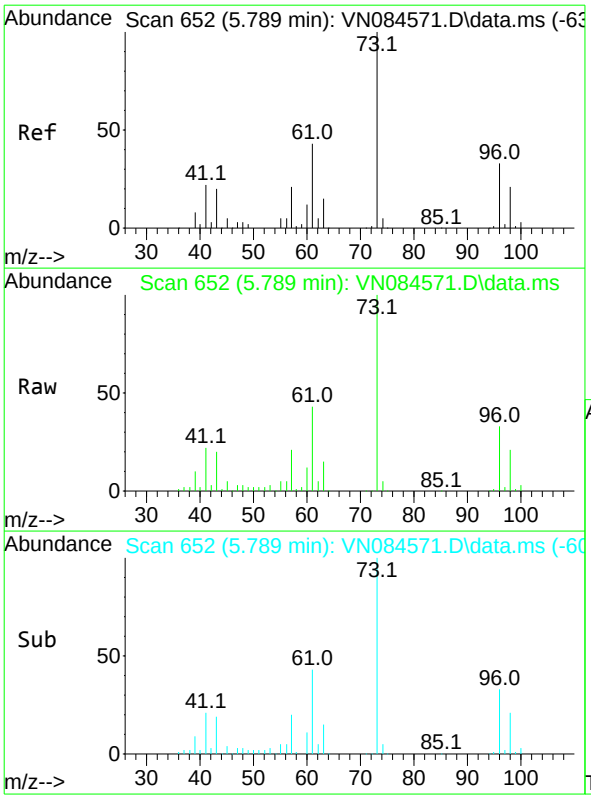


#18
Methyl Acetate
Concen: 49.097 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 43 Resp: 139826

Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.2	28.8

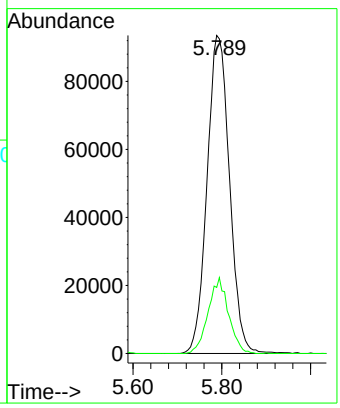




#19
Methyl tert-butyl Ether
Concen: 50.376 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 73 Resp: 328099

Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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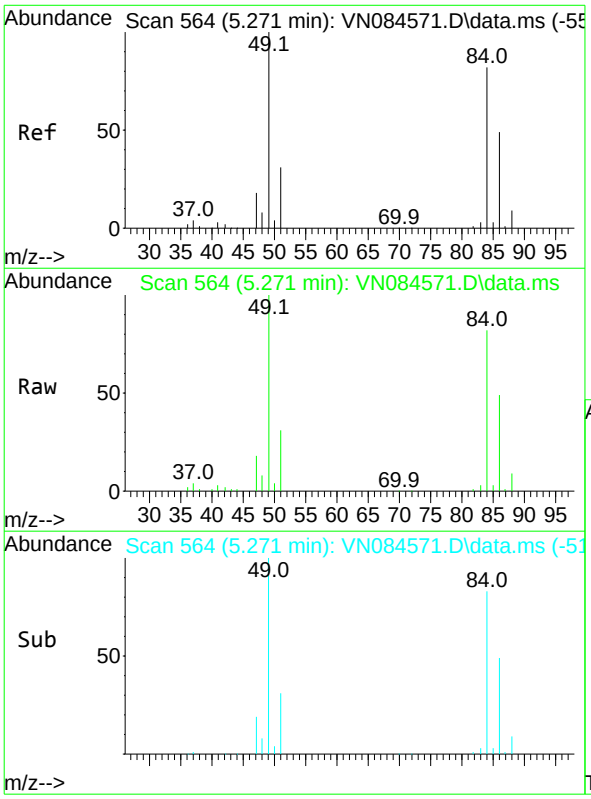
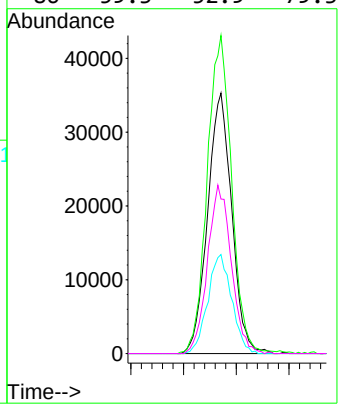
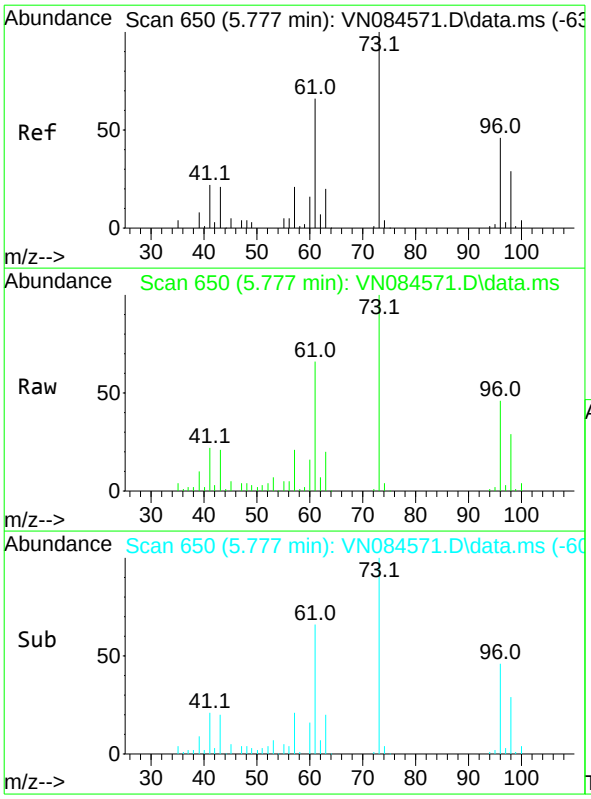


#20
Methylene Chloride
Concen: 47.370 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 84 Resp: 112282

Ion	Ratio	Lower	Upper
84	100		
49	122.1	107.2	160.8
51	38.0	31.8	47.8
86	59.3	52.9	79.3

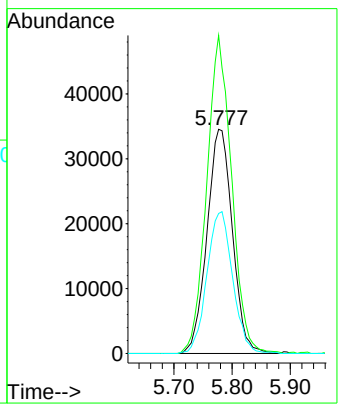




#21
trans-1,2-Dichloroethene
Concen: 48.146 ug/l
RT: 5.777 min Scan# 65
Delta R.T. -0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 96 Resp: 105050

Ion	Ratio	Lower	Upper
96	100		
61	141.9	108.4	162.6
98	62.5	49.8	74.8



Instrument :
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ClientSampleId :
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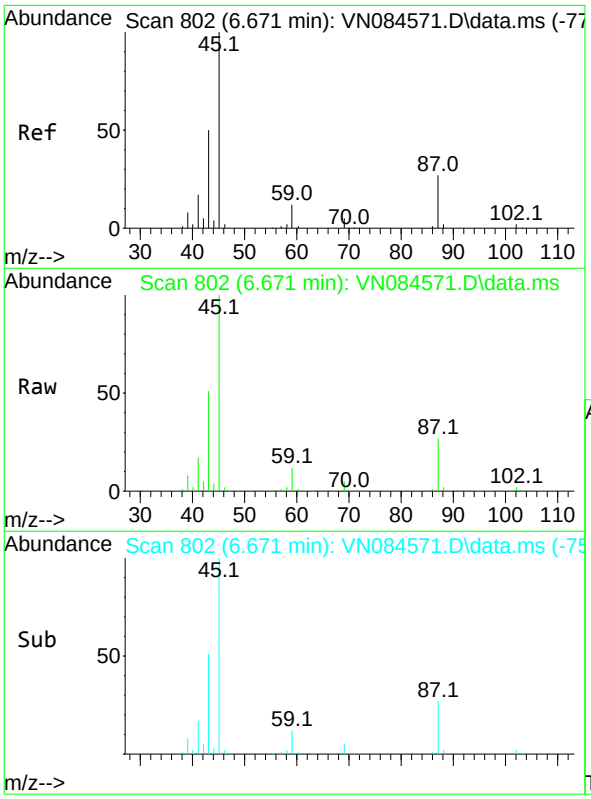
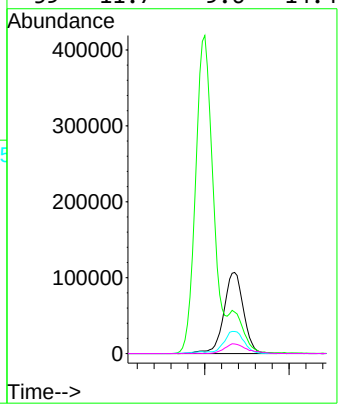
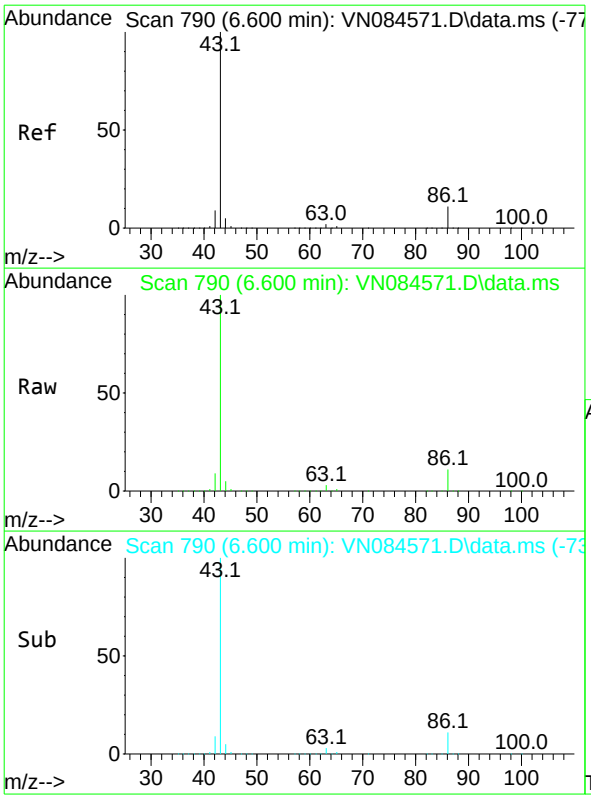


#22
Diisopropyl ether
Concen: 50.549 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 45 Resp: 346126

Ion	Ratio	Lower	Upper
45	100		
43	50.3	42.3	63.5
87	27.3	21.8	32.6
59	11.7	9.6	14.4

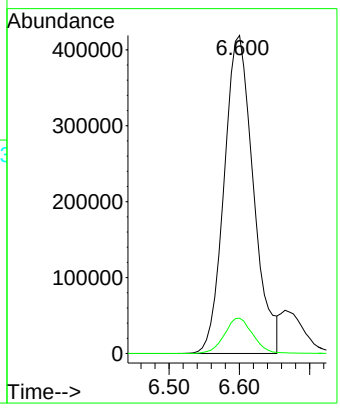




#23
Vinyl Acetate
Concen: 256.673 ug/l
RT: 6.600 min Scan# 79
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 43 Resp: 1212022

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.6	12.8



Instrument :
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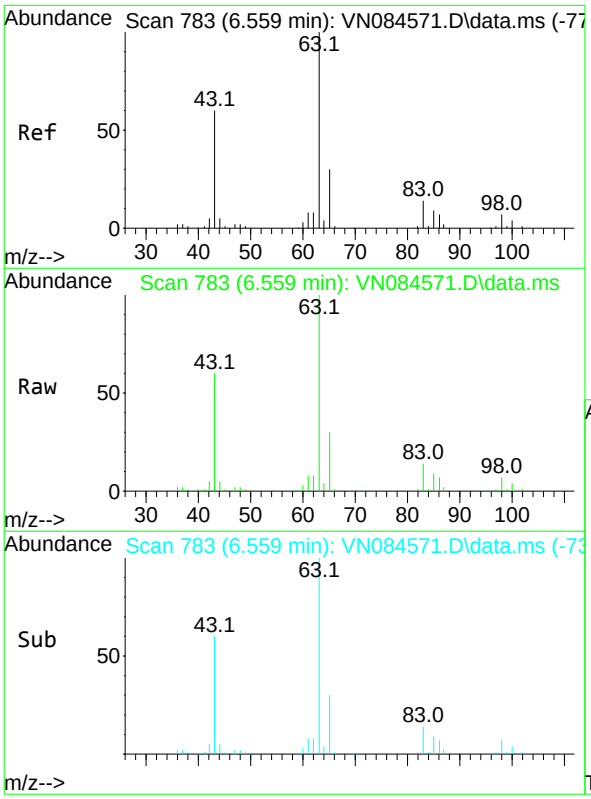
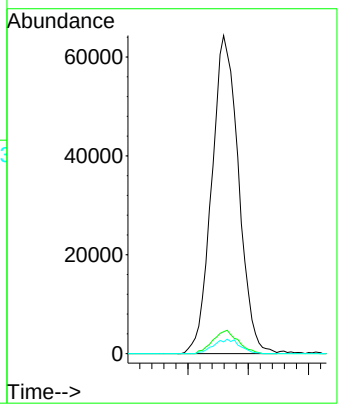
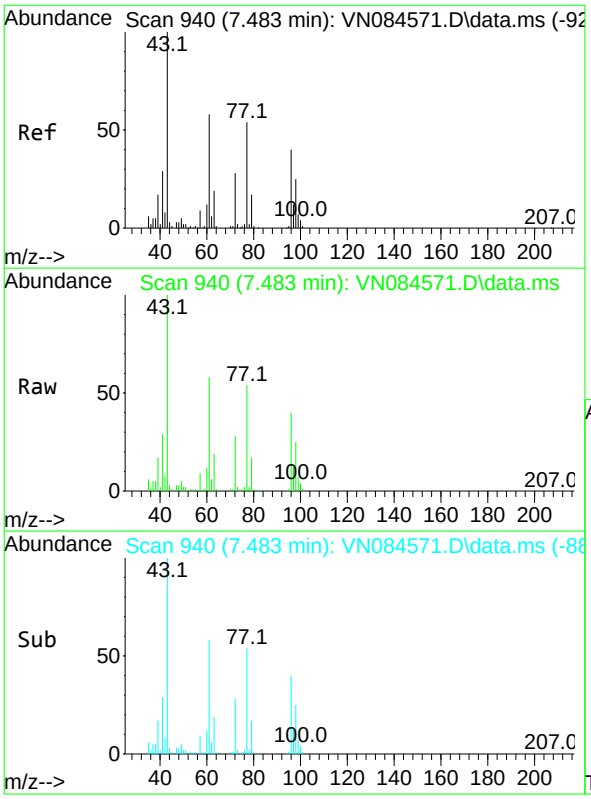


#24
1,1-Dichloroethane
Concen: 48.362 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 63 Resp: 198817

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.4	10.2
100	3.7	2.0	5.8

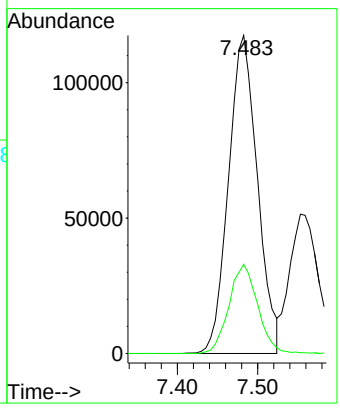




#25
2-Butanone
Concen: 233.994 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 43 Resp: 294207

Ion	Ratio	Lower	Upper
43	100		
72	28.0	21.4	32.2



Instrument :
MSVOA_N
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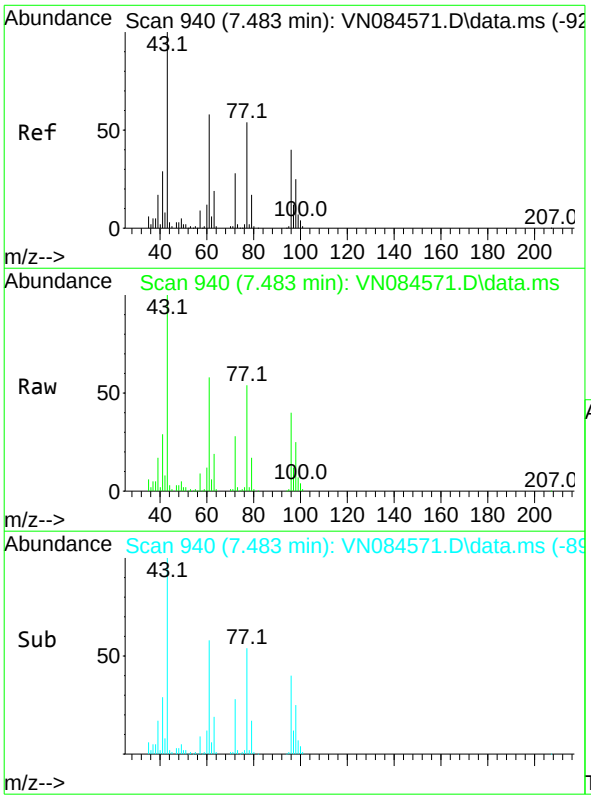
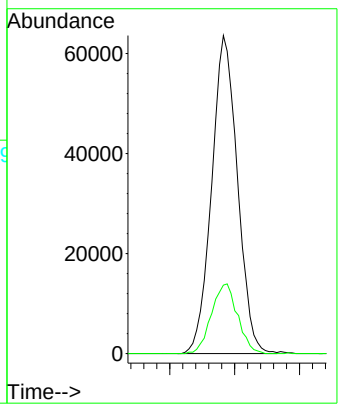
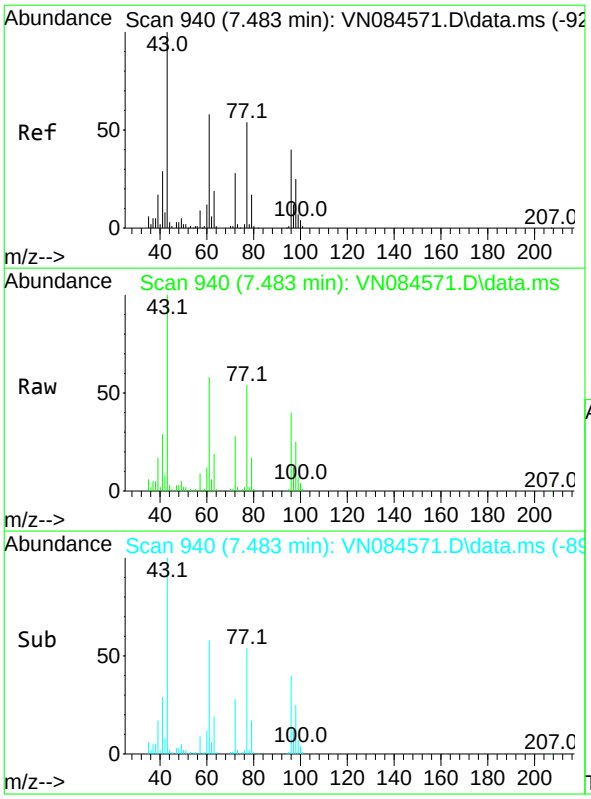


#26
2,2-Dichloropropane
Concen: 49.052 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 77 Resp: 175511

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.8	32.3

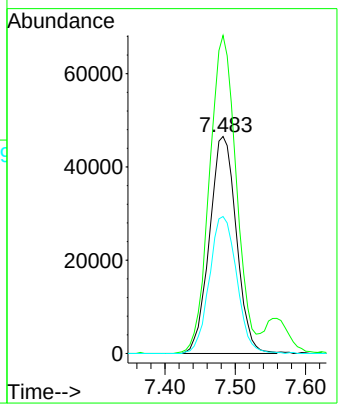




#27
cis-1,2-Dichloroethene
Concen: 48.450 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 96 Resp: 123436

Ion	Ratio	Lower	Upper
96	100		
61	146.2	0.0	301.8
98	64.3	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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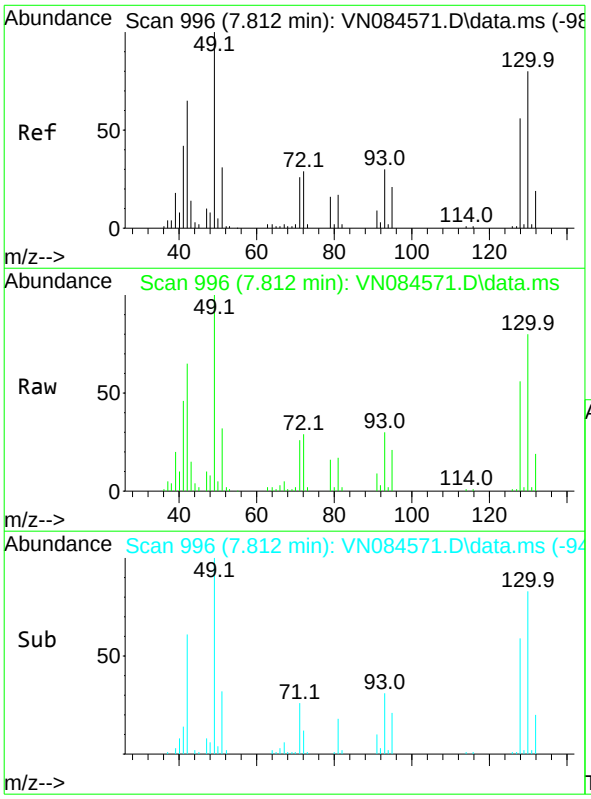
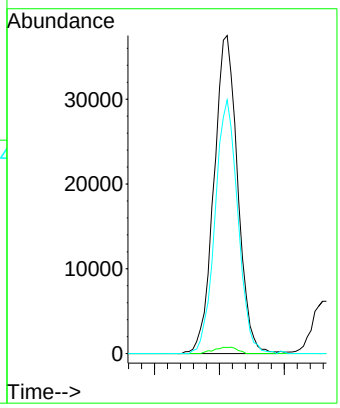
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

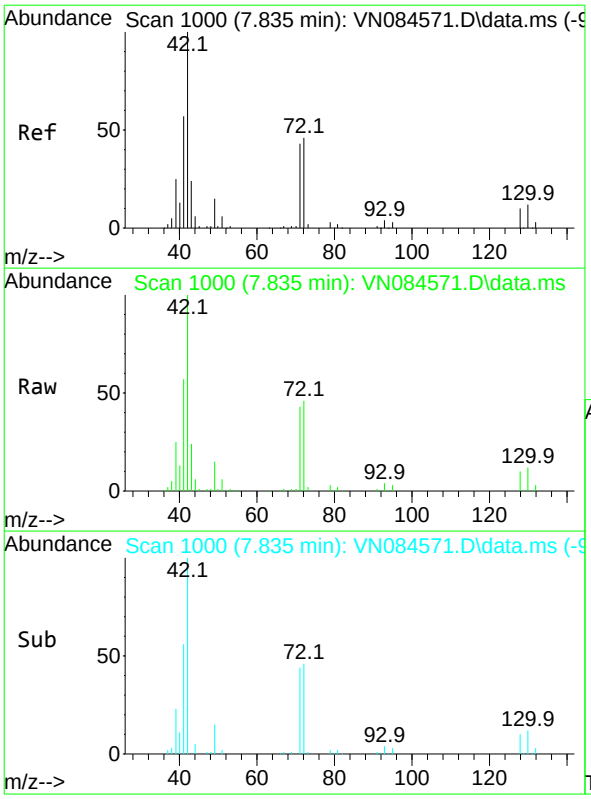


#28
Bromochloromethane
Concen: 58.166 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 49 Resp: 95269

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	76.9	58.0	87.0

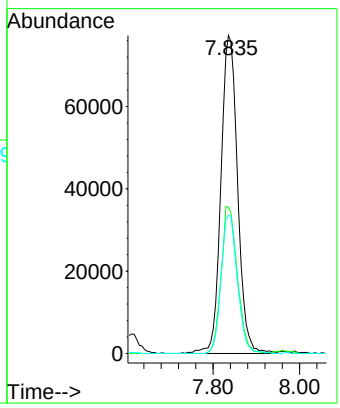




#29
Tetrahydrofuran
Concen: 248.139 ug/l
RT: 7.835 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 42 Resp: 206980

Ion	Ratio	Lower	Upper
42	100		
72	44.8	34.6	51.8
71	42.3	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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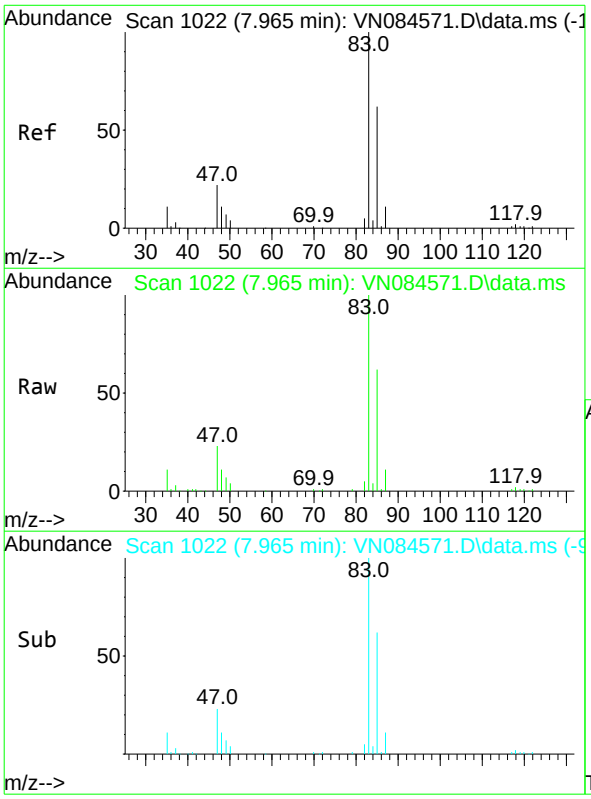
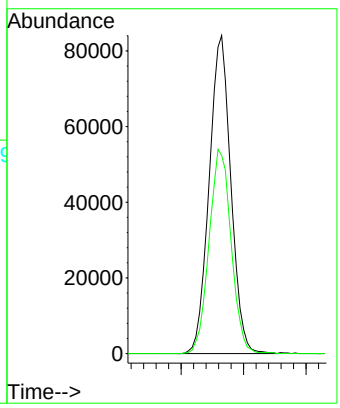
Supervised By :Mahesh Dadoda 11/04/2024

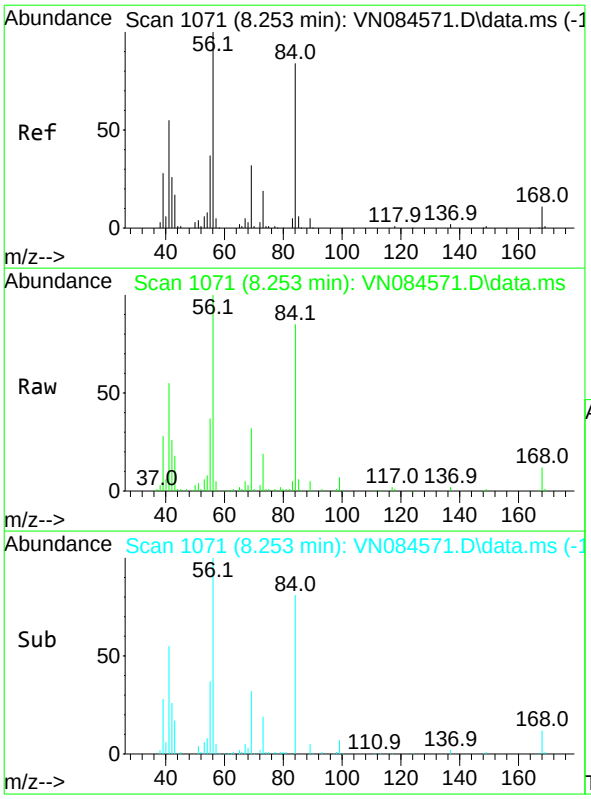


#30
Chloroform
Concen: 48.417 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 83 Resp: 202589

Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.0	76.4

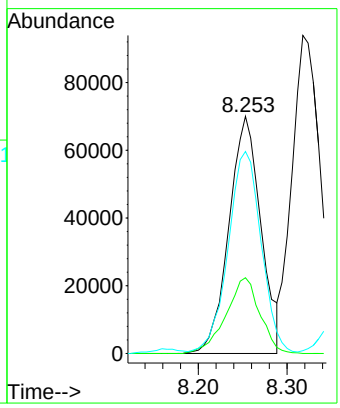




#31
Cyclohexane
Concen: 47.043 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 56 Resp: 175038

Ion	Ratio	Lower	Upper
56	100		
69	31.9	23.8	35.6
84	83.9	68.8	103.2



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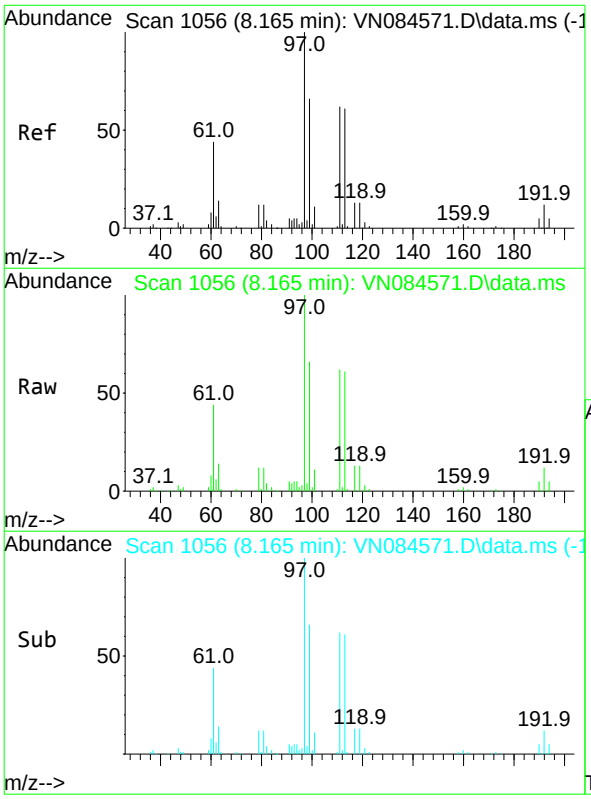
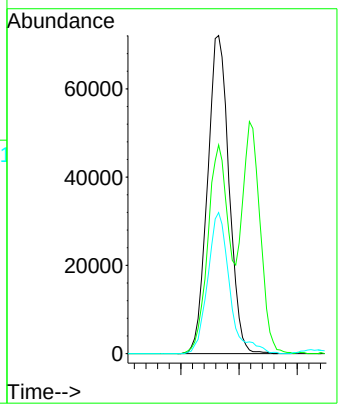
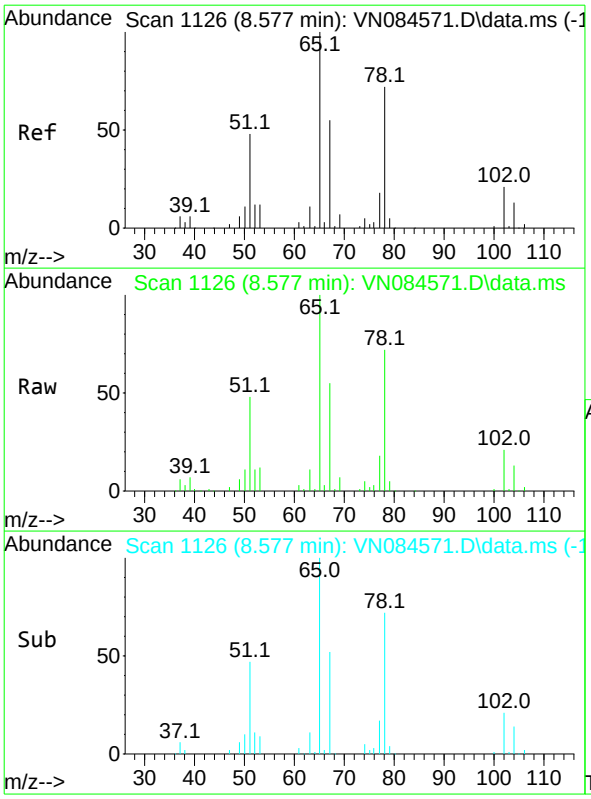


#32
1,1,1-Trichloroethane
Concen: 48.573 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 97 Resp: 184986

Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.2	76.8
61	45.2	37.5	56.3

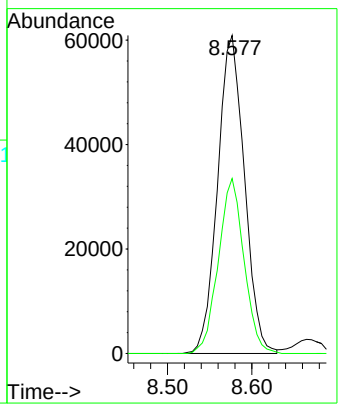




#33
1,2-Dichloroethane-d4
Concen: 49.914 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 65 Resp: 134521

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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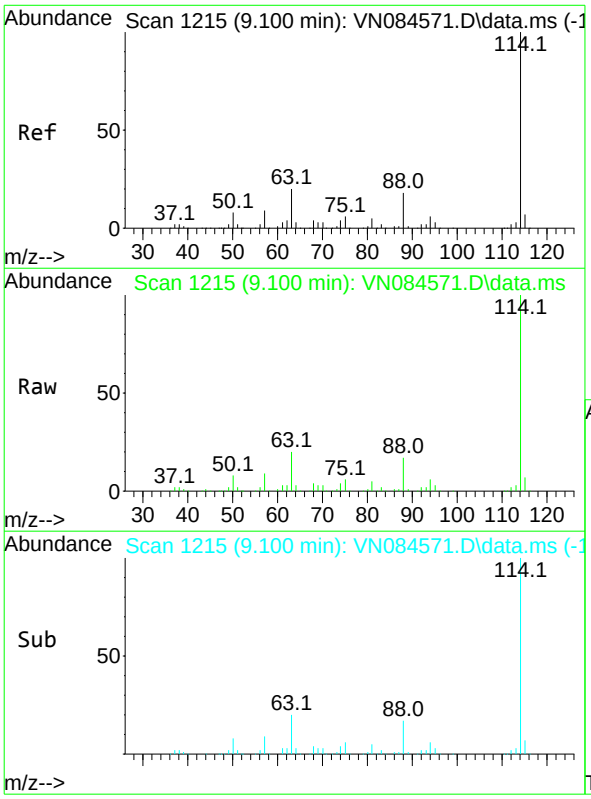
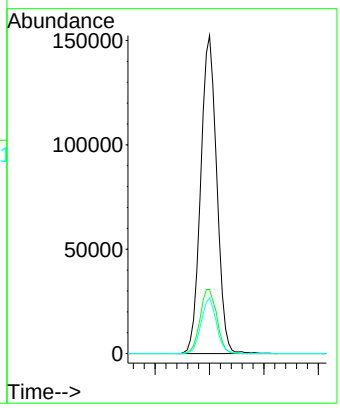
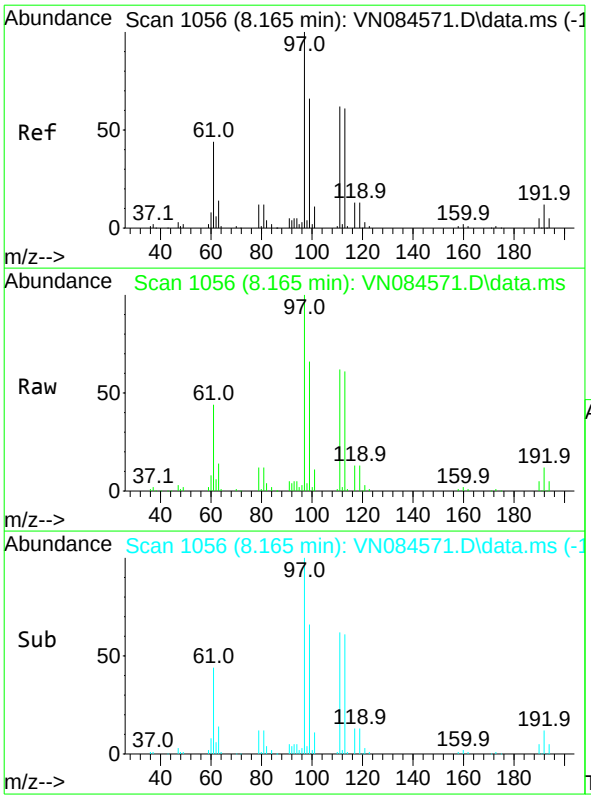


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:114 Resp: 311554

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	43.8
88	17.5	0.0	31.6

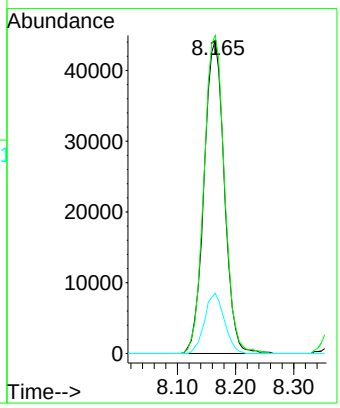




#35
Dibromofluoromethane
Concen: 50.801 ug/l
RT: 8.165 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:113 Resp: 107131

Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.3	124.9
192	18.7	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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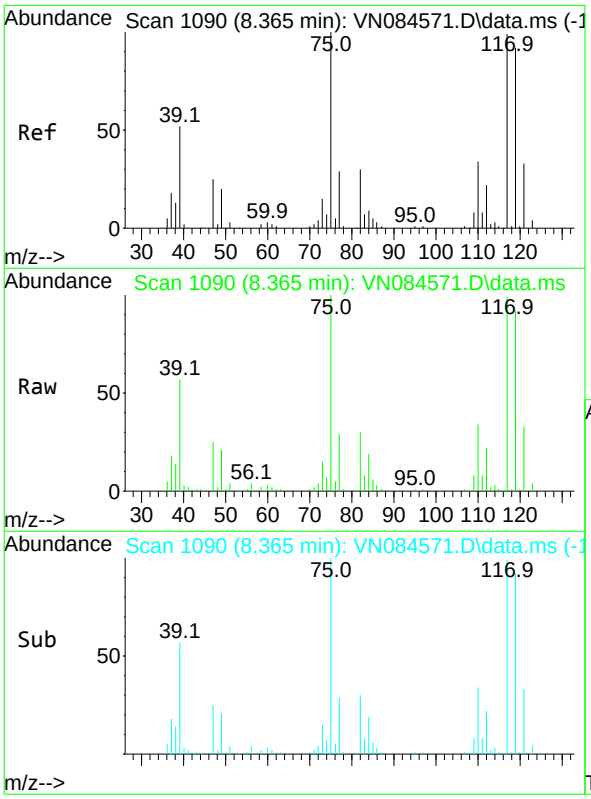
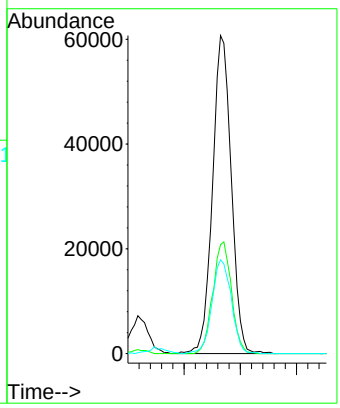
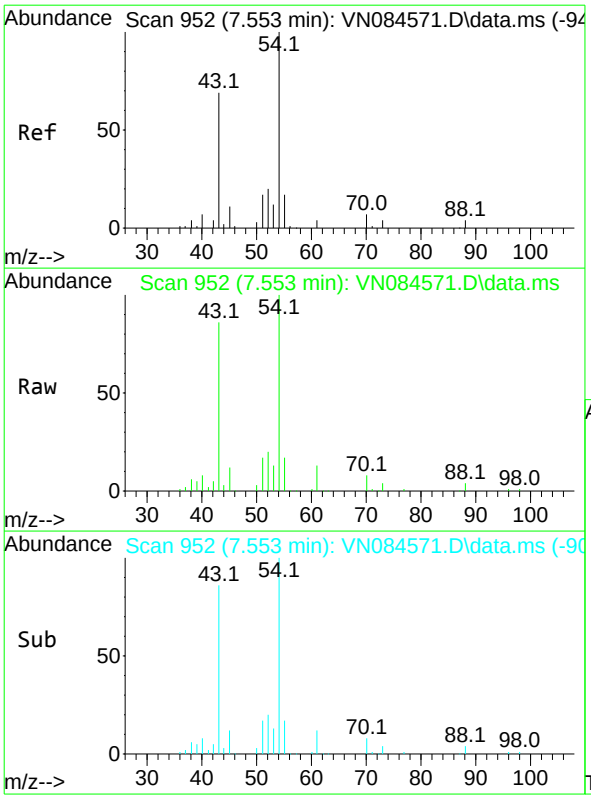


#36
1,1-Dichloropropene
Concen: 48.071 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 75 Resp: 140593

Ion	Ratio	Lower	Upper
75	100		
110	34.9	16.9	50.7
77	30.5	24.7	37.1





#37
Ethyl Acetate
Concen: 49.493 ug/l
RT: 7.553 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 43 Resp: 131332

Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.7	16.1
70	11.0	8.8	13.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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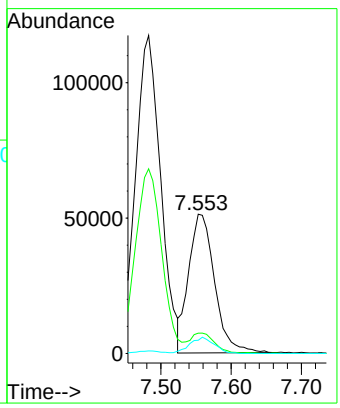
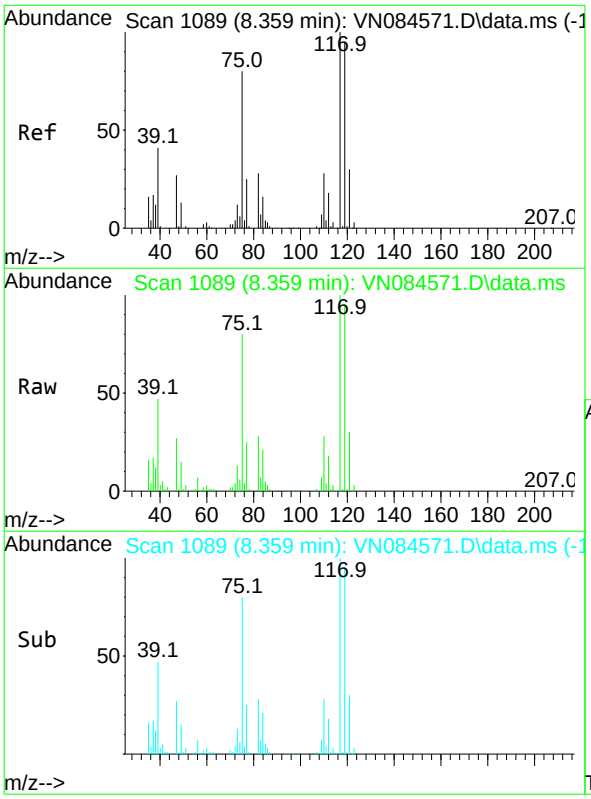
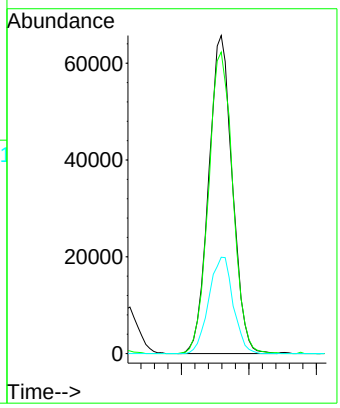


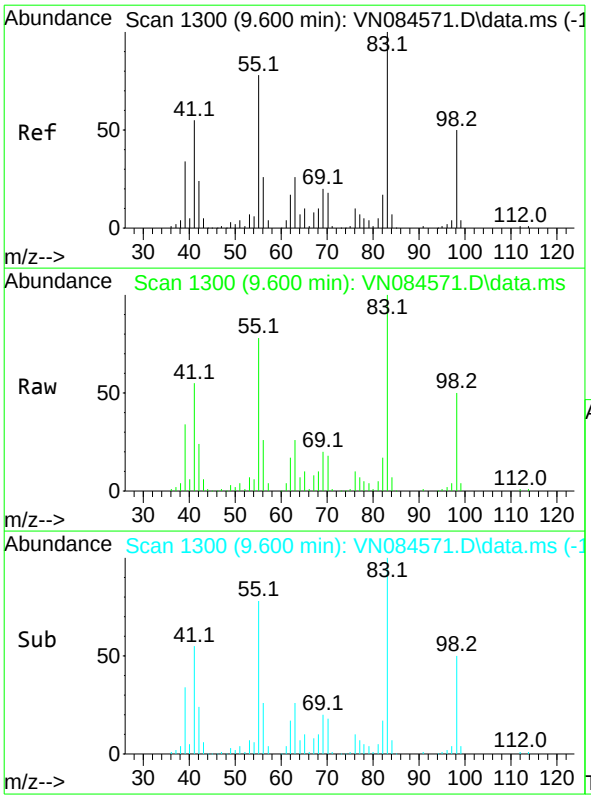


#38
Carbon Tetrachloride
Concen: 48.985 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:117 Resp: 160134

Ion	Ratio	Lower	Upper
117	100		
119	94.8	78.7	118.1
121	30.3	24.4	36.6

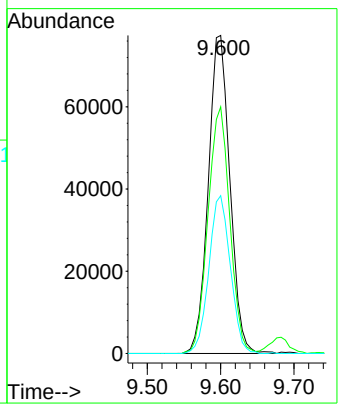




#39
Methylcyclohexane
Concen: 53.267 ug/l
RT: 9.600 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 83 Resp: 158489

Ion	Ratio	Lower	Upper
83	100		
55	77.5	62.8	94.2
98	49.6	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
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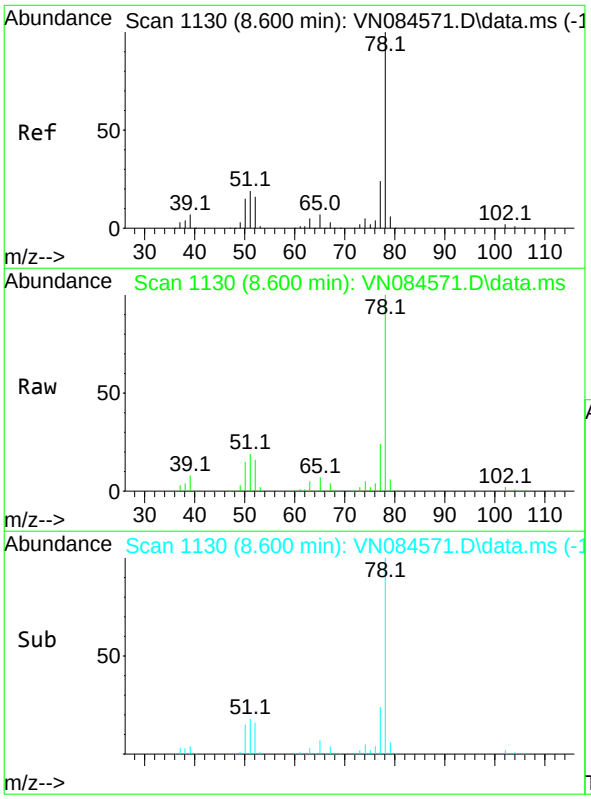
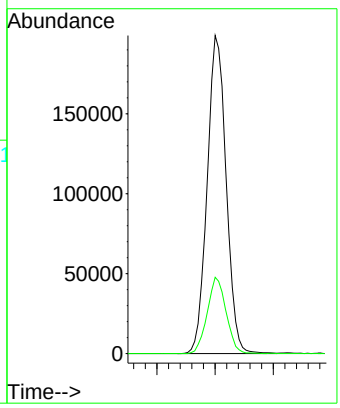
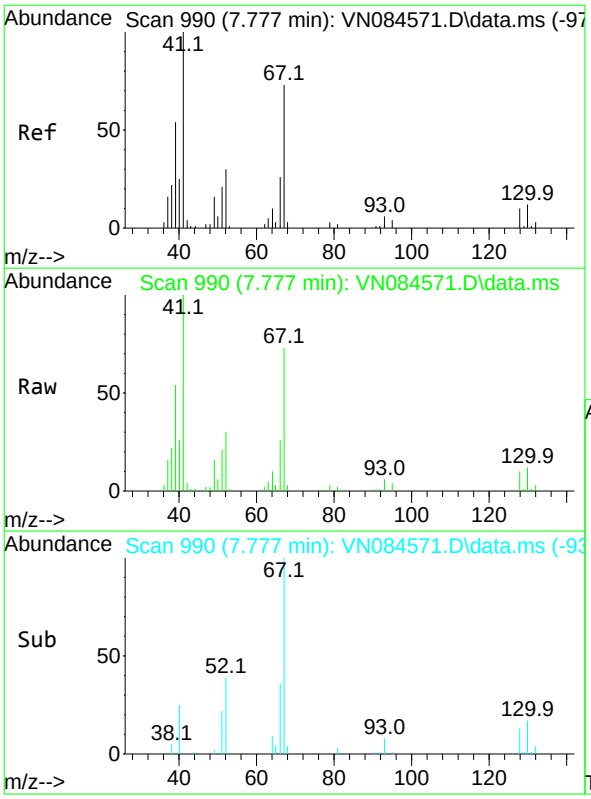


#40
Benzene
Concen: 48.024 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 78 Resp: 451074

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7

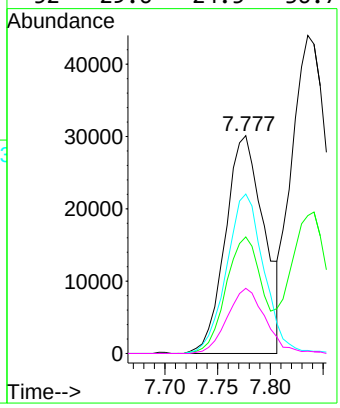




#41
Methacrylonitrile
Concen: 53.814 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 41 Resp: 76791

Ion	Ratio	Lower	Upper
41	100		
39	49.1	43.3	64.9
67	71.0	56.1	84.1
52	29.6	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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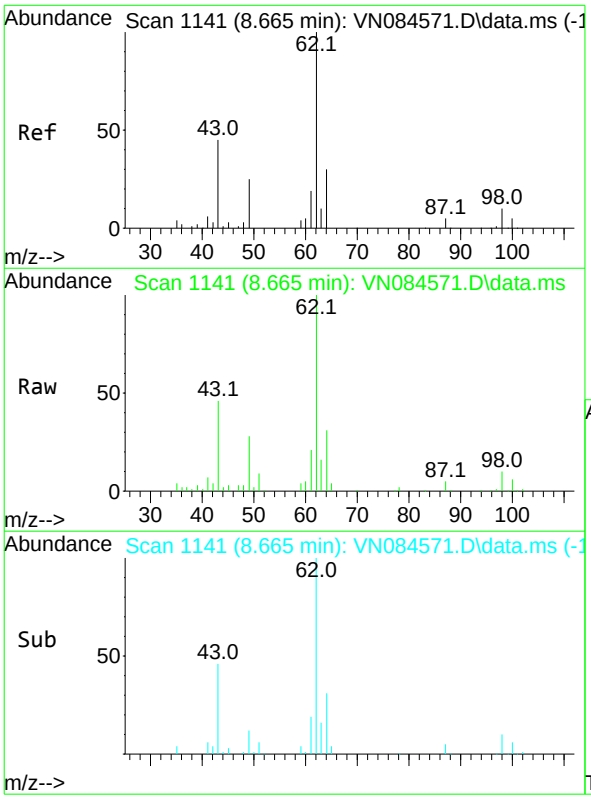
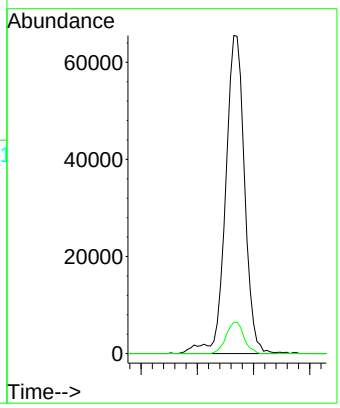
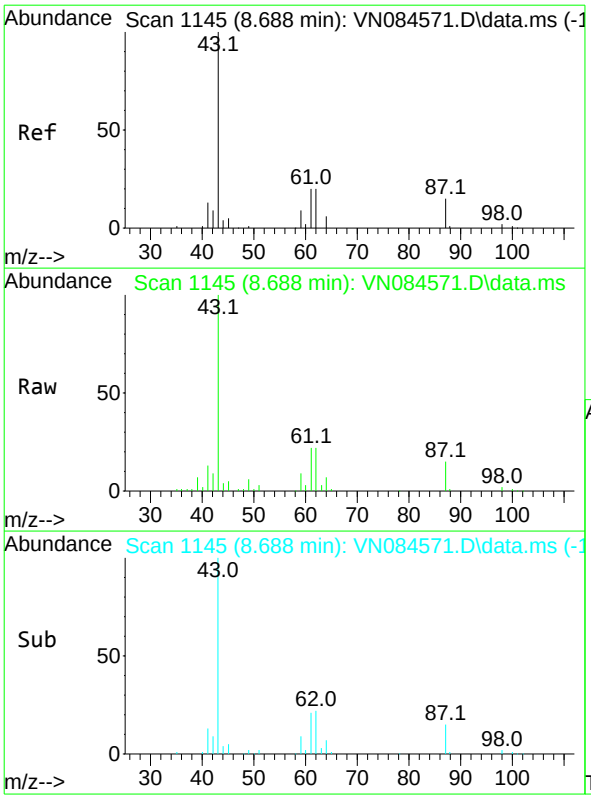


#42
1,2-Dichloroethane
Concen: 50.614 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 62 Resp: 153960

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2

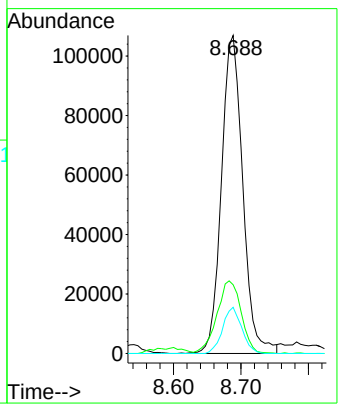




#43
Isopropyl Acetate
Concen: 48.004 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 43 Resp: 235517

Ion	Ratio	Lower	Upper
43	100		
61	25.9	20.4	30.6
87	13.0	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
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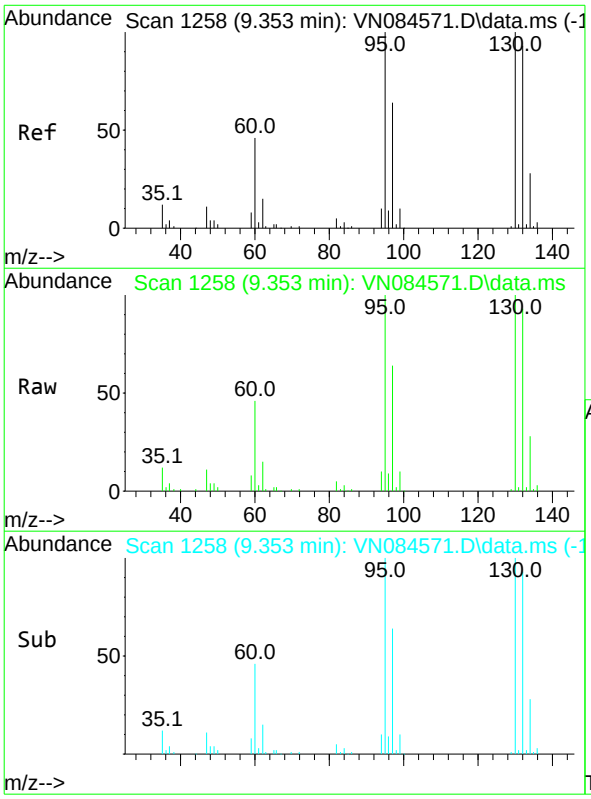
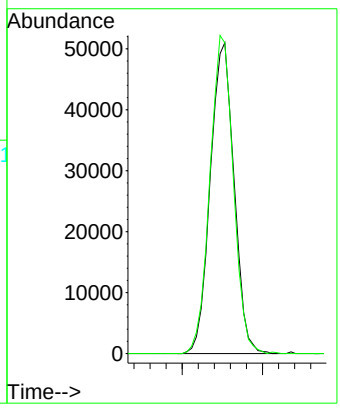
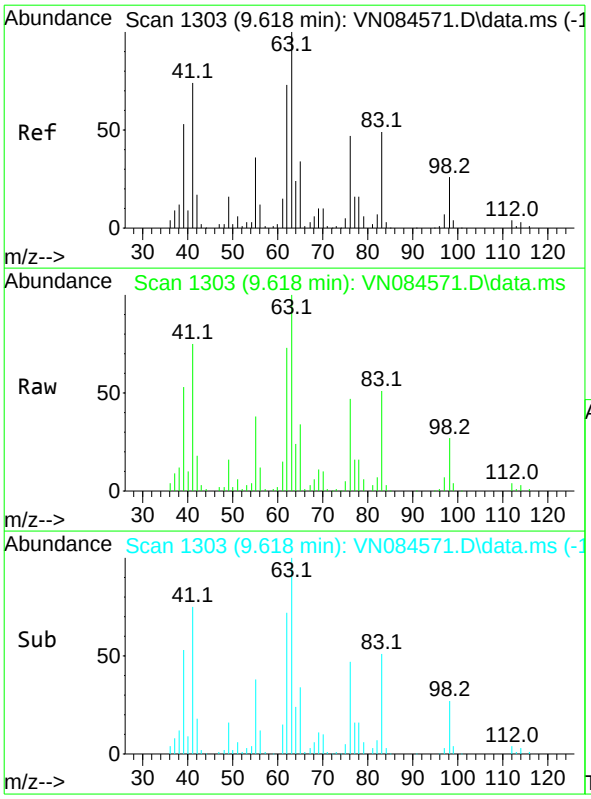


#44
Trichloroethene
Concen: 48.241 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:130 Resp: 104498

Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	203.0

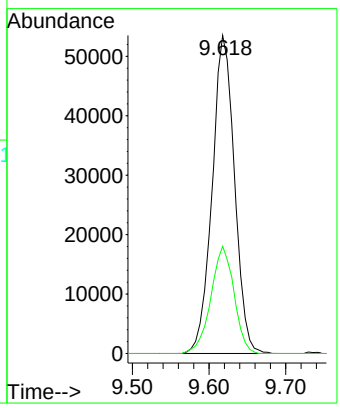




#45
1,2-Dichloropropane
Concen: 49.154 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 63 Resp: 108302

Ion	Ratio	Lower	Upper
63	100		
65	33.7	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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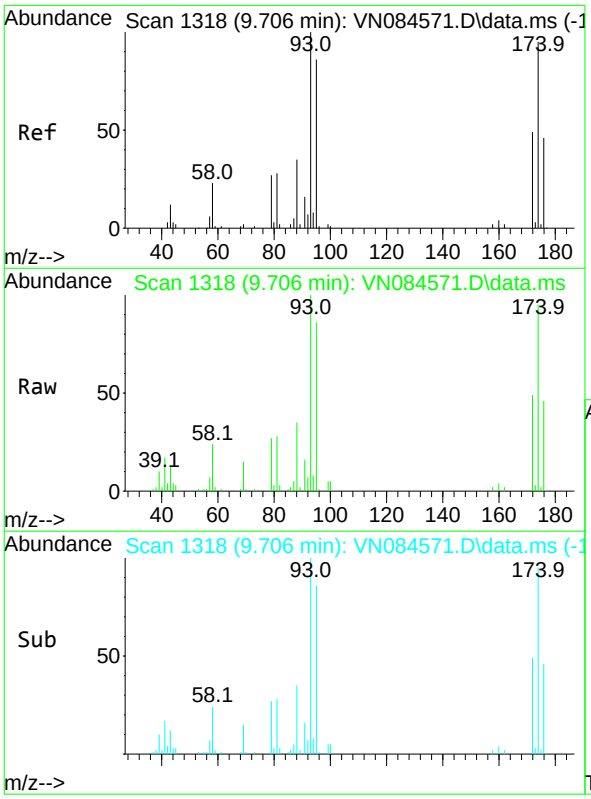
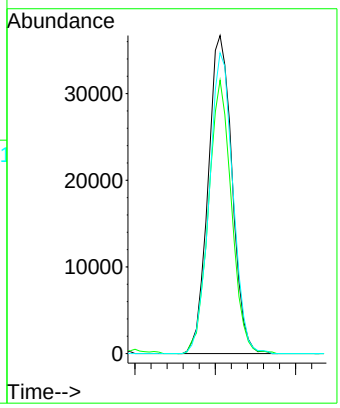
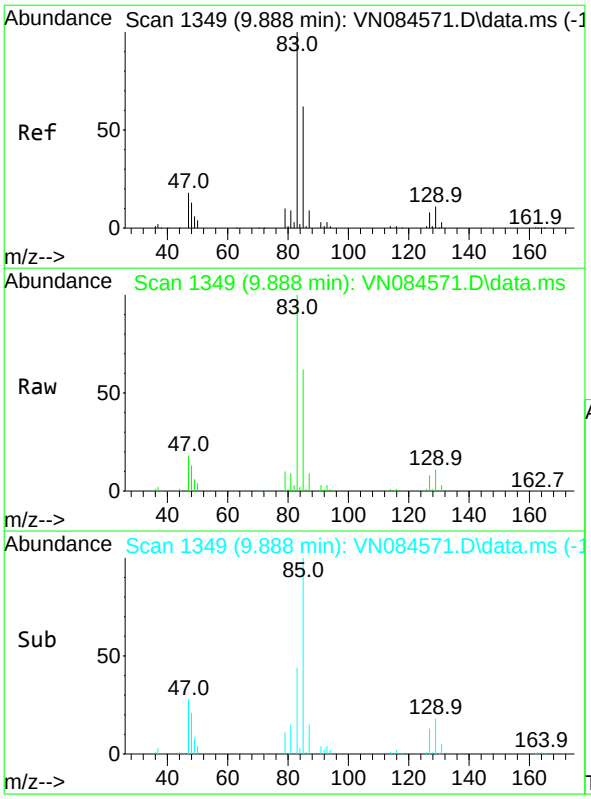


#46
Dibromomethane
Concen: 48.895 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 93 Resp: 76019

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.0	97.4
174	93.3	71.8	107.8

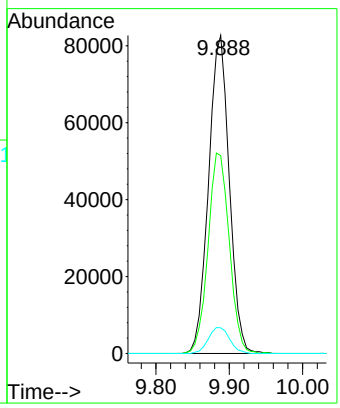




#47
Bromodichloromethane
Concen: 49.525 ug/l
RT: 9.888 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 83 Resp: 162307

Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.5	77.3
127	8.1	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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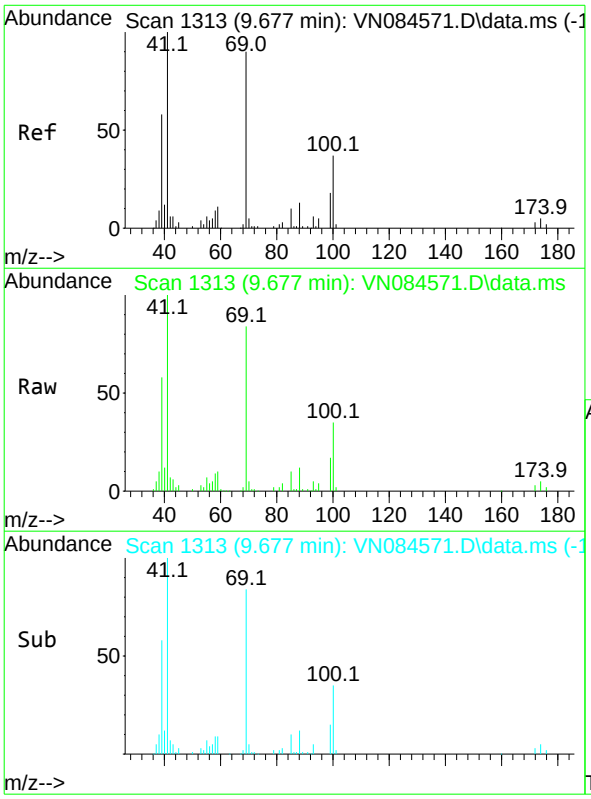
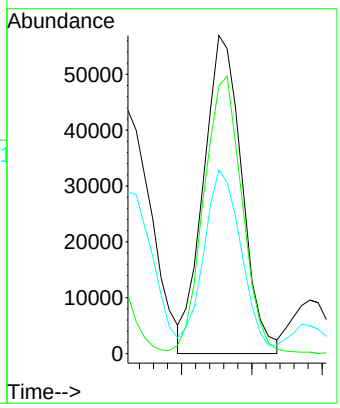
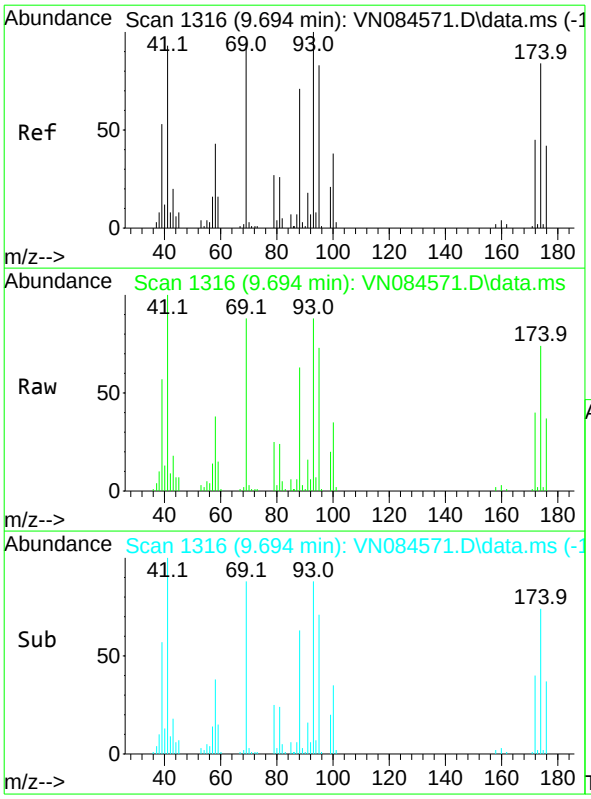


#48
Methyl methacrylate
Concen: 52.212 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 41 Resp: 107828

Ion	Ratio	Lower	Upper
41	100		
69	87.1	67.1	100.7
39	57.5	45.8	68.6

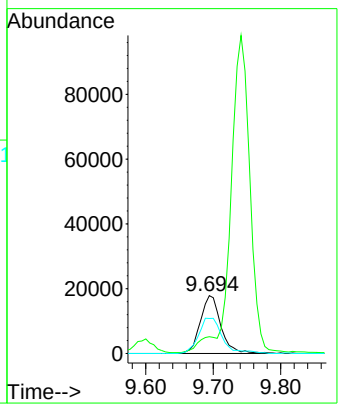




#49
1,4-Dioxane
Concen: 1030.669 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 88 Resp: 37719

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	70.5	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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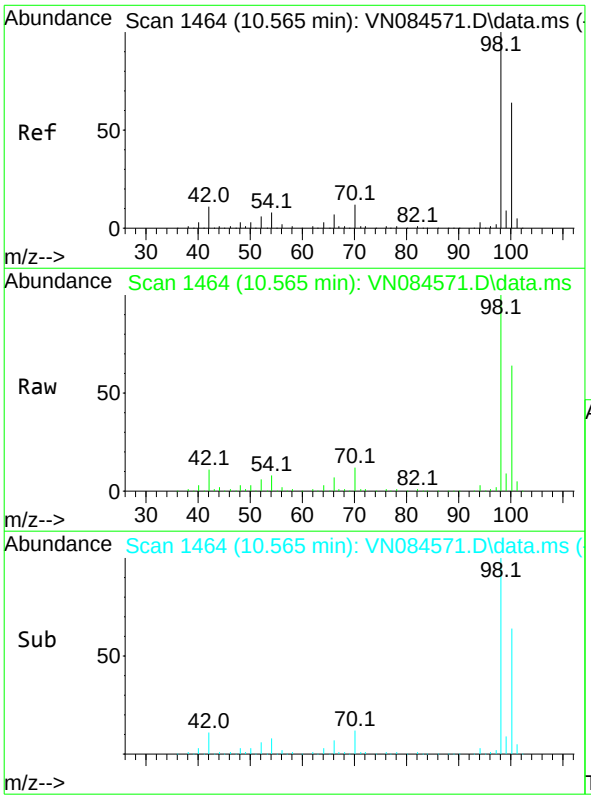
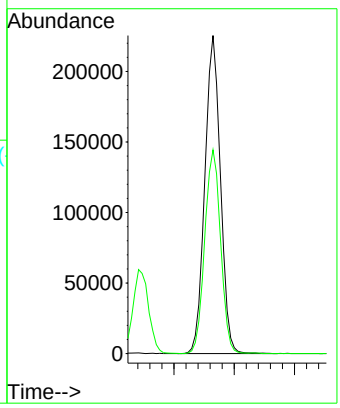
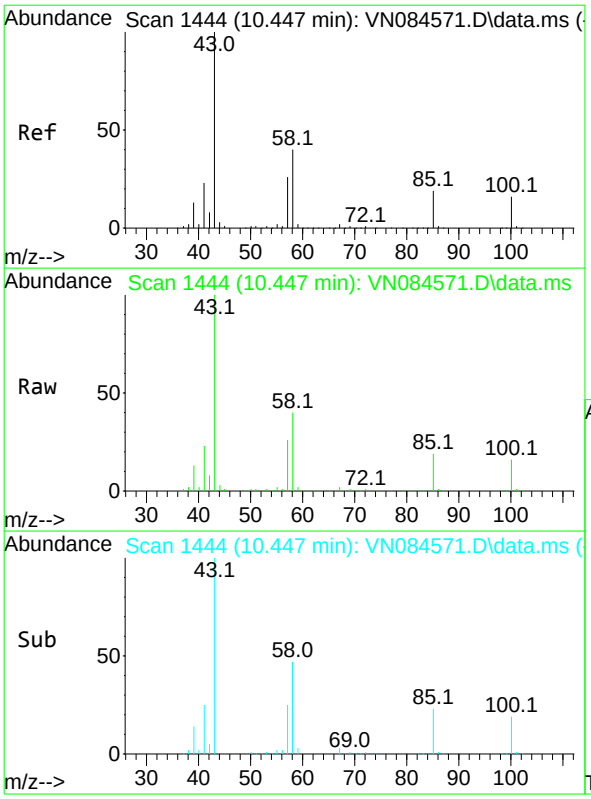


#50
Toluene-d8
Concen: 52.247 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 98 Resp: 405874

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.7	79.1

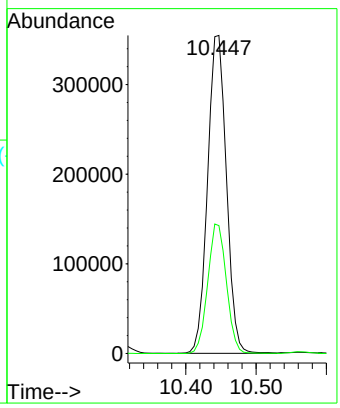




#51
4-Methyl-2-Pentanone
Concen: 260.254 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 43 Resp: 658351

Ion	Ratio	Lower	Upper
43	100		
58	40.4	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
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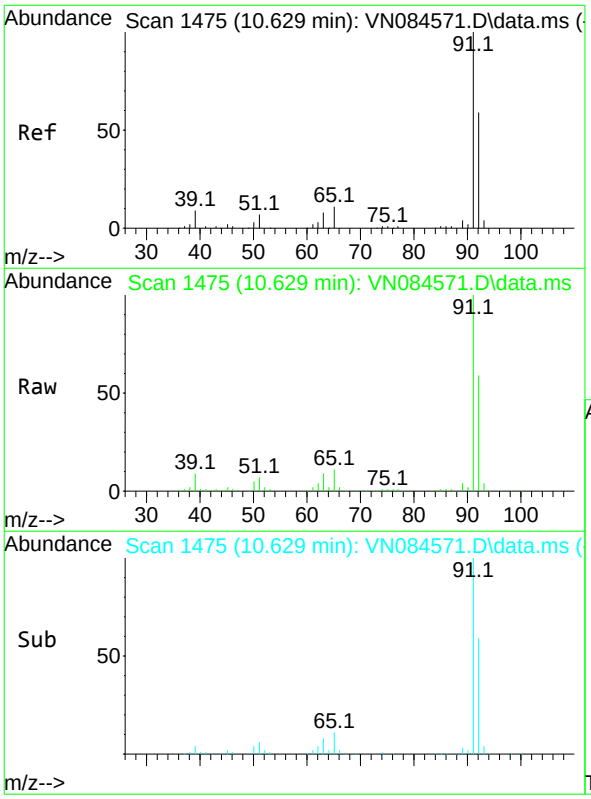
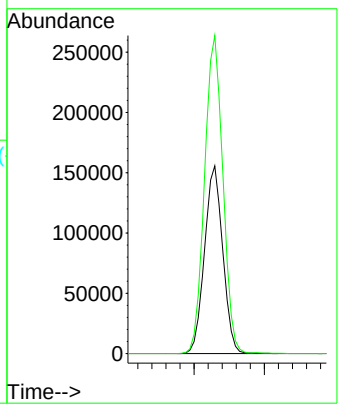
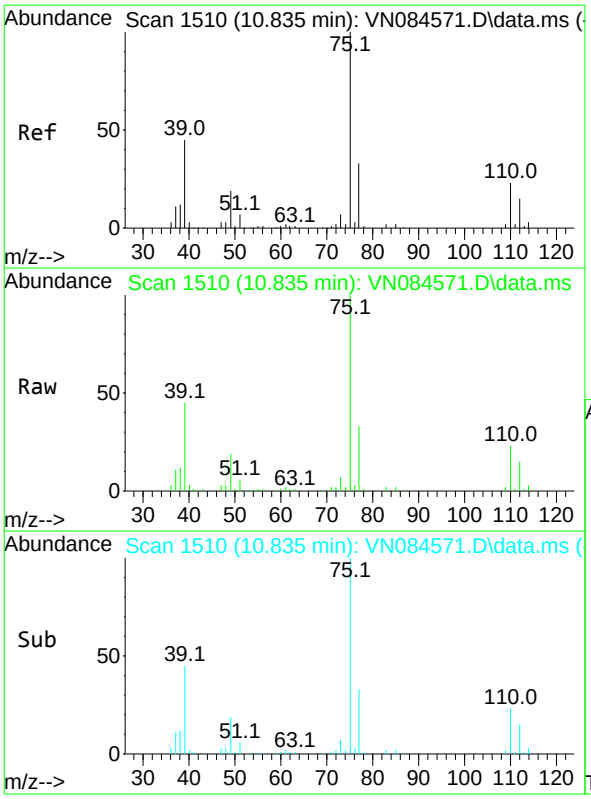


#52
Toluene
Concen: 50.978 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 92 Resp: 280034

Ion	Ratio	Lower	Upper
92	100		
91	170.3	137.3	205.9

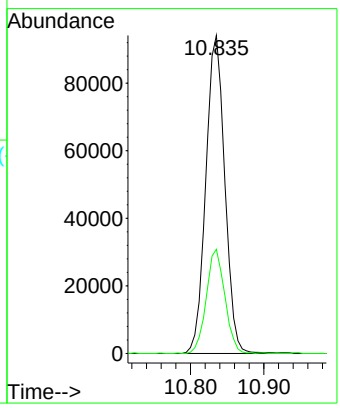




#53
t-1,3-Dichloropropene
Concen: 49.843 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 75 Resp: 169085

Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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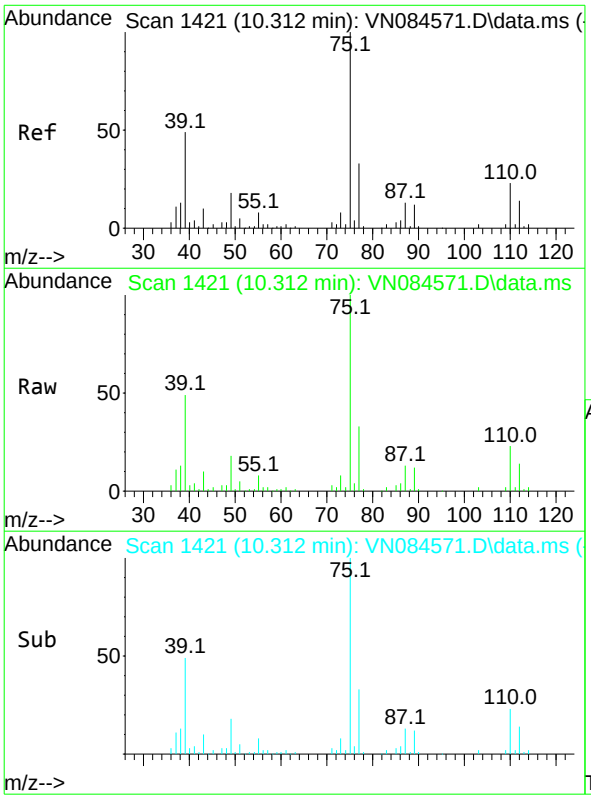
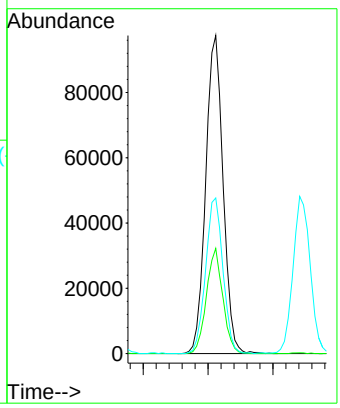
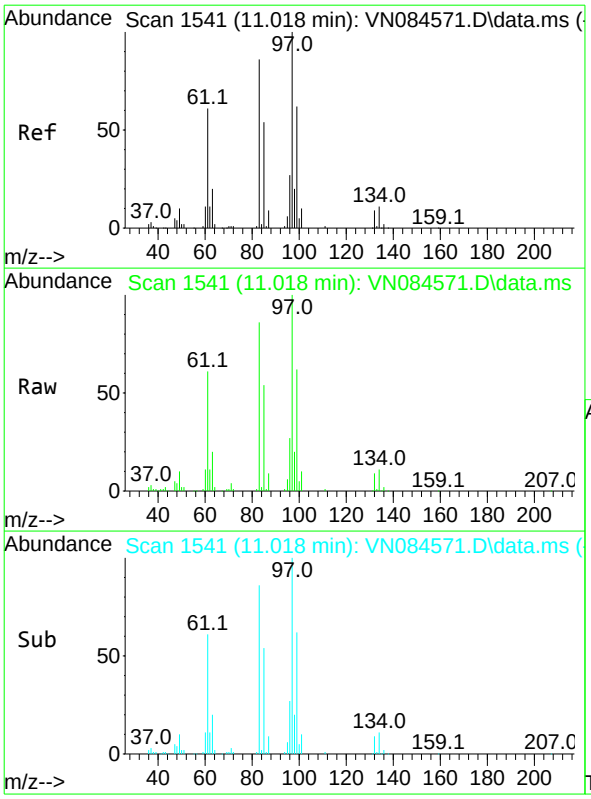


#54
cis-1,3-Dichloropropene
Concen: 50.386 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 75 Resp: 180909

Ion	Ratio	Lower	Upper
75	100		
77	33.1	24.2	36.2
39	48.9	38.7	58.1

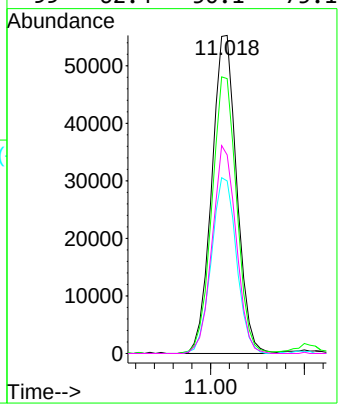




#55
1,1,2-Trichloroethane
Concen: 49.487 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 97 Resp: 102401

Ion	Ratio	Lower	Upper
97	100		
83	86.4	71.0	106.4
85	54.2	41.7	62.5
99	62.4	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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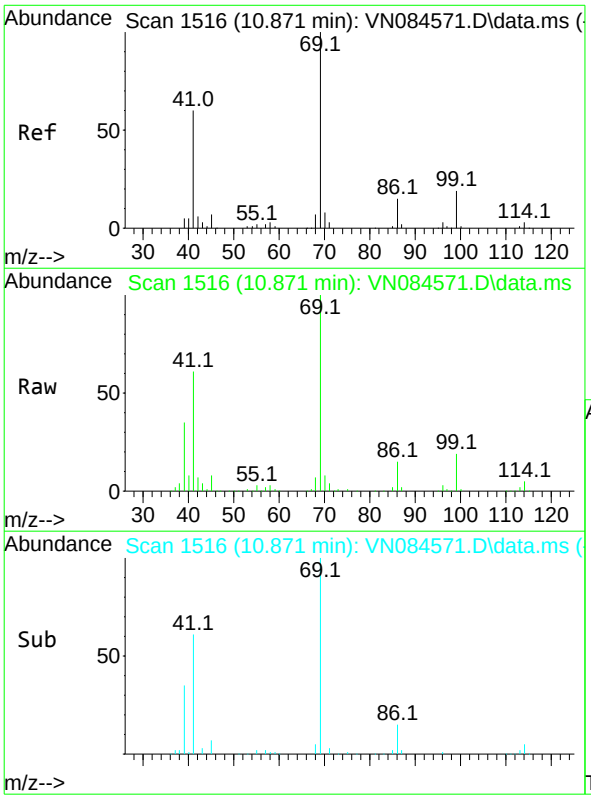
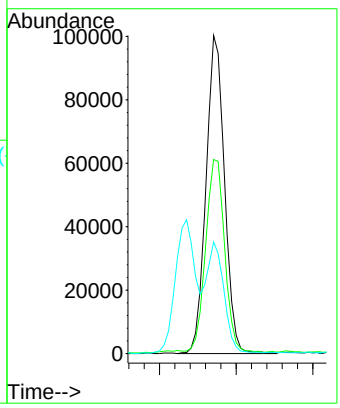
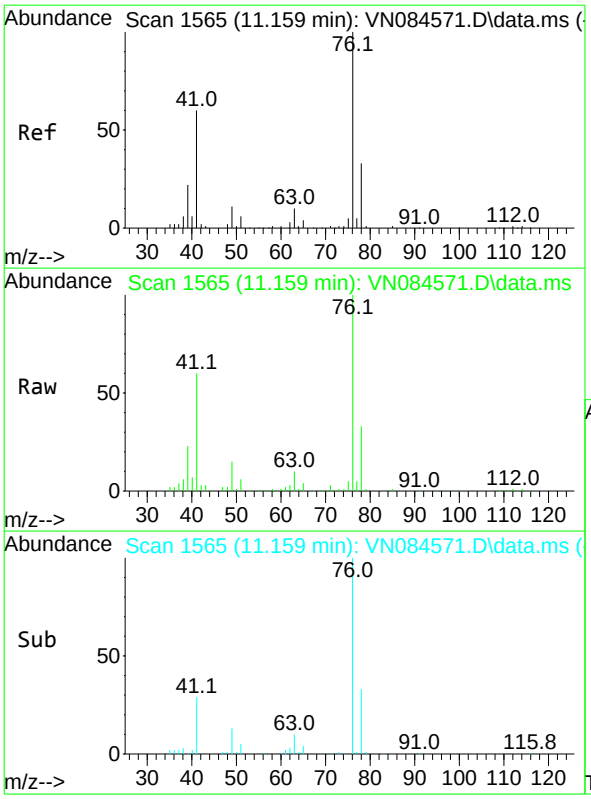


#56
Ethyl methacrylate
Concen: 56.150 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 69 Resp: 168060

Ion	Ratio	Lower	Upper
69	100		
41	63.8	53.3	79.9
39	33.4	28.8	43.2

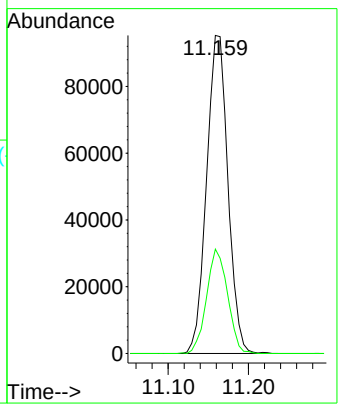




#57
1,3-Dichloropropane
Concen: 49.539 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 76 Resp: 175929

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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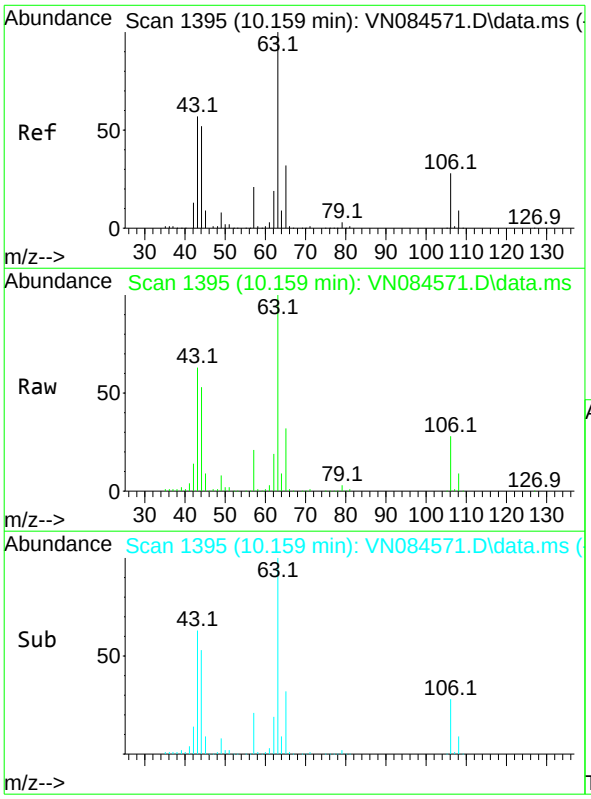
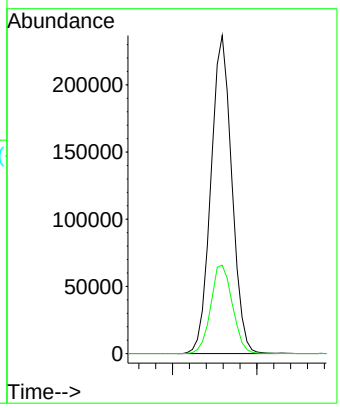
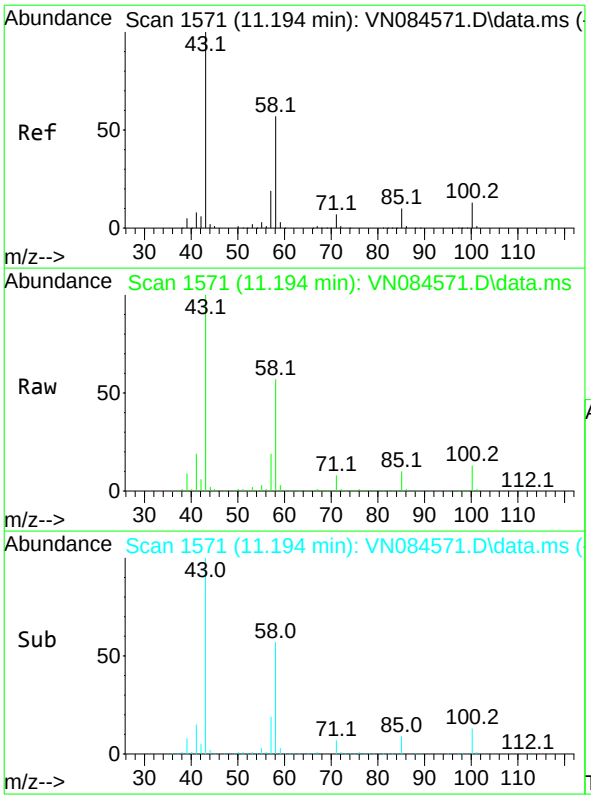


#58
2-Chloroethyl Vinyl ether
Concen: 291.210 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 63 Resp: 407857

Ion	Ratio	Lower	Upper
63	100		
106	28.9	21.8	32.6

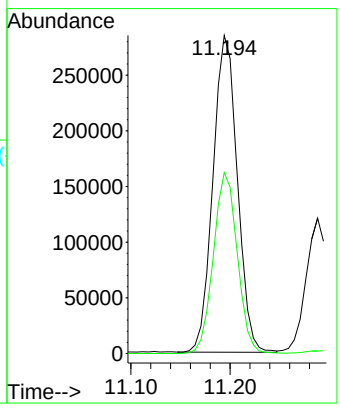




#59
2-Hexanone
Concen: 263.615 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 43 Resp: 485391

Ion	Ratio	Lower	Upper
43	100		
58	56.0	27.3	81.8



Instrument :
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ClientSampleId :
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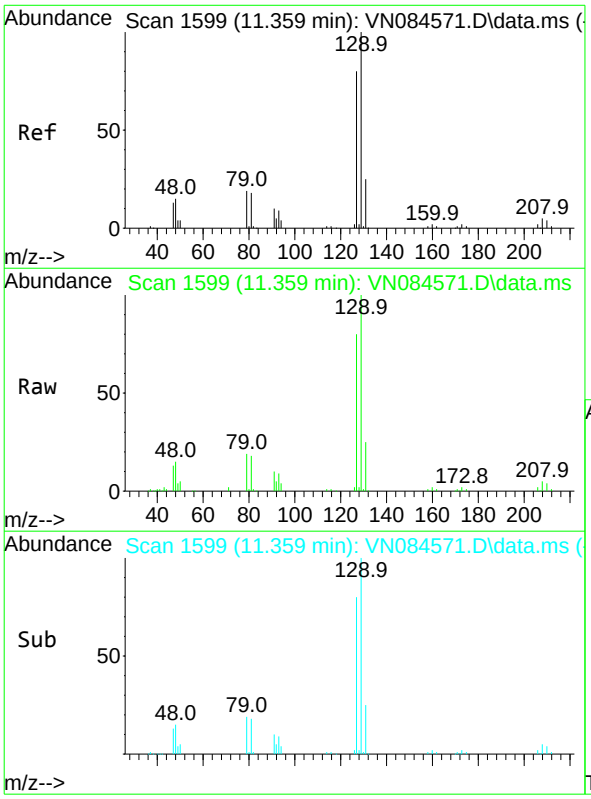
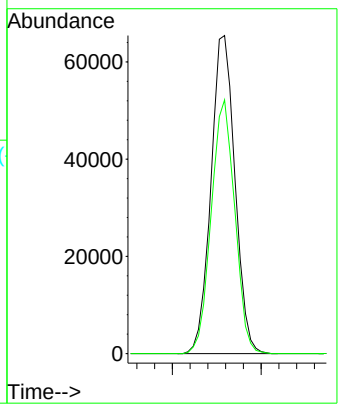
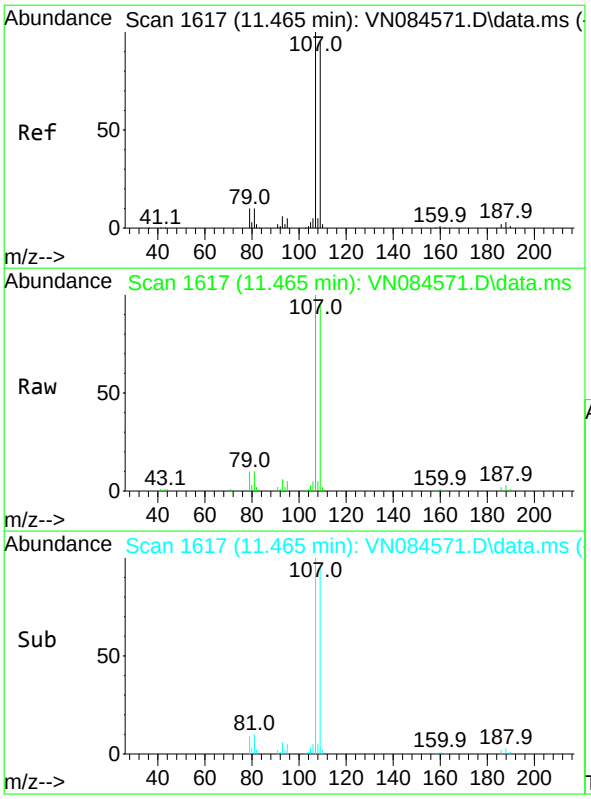


#60
Dibromochloromethane
Concen: 52.078 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:129 Resp: 122816

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.3	114.9

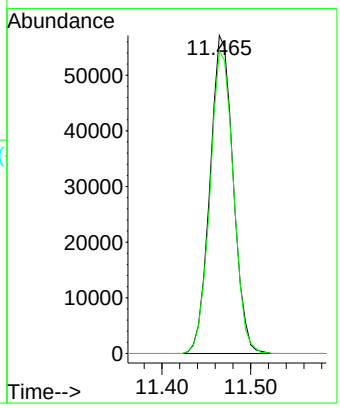




#61
1,2-Dibromoethane
Concen: 49.034 ug/l
RT: 11.465 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:107 Resp: 103901

Ion	Ratio	Lower	Upper
107	100		
109	96.1	75.4	113.0



Instrument :
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ClientSampleId :
VSTDICCC050

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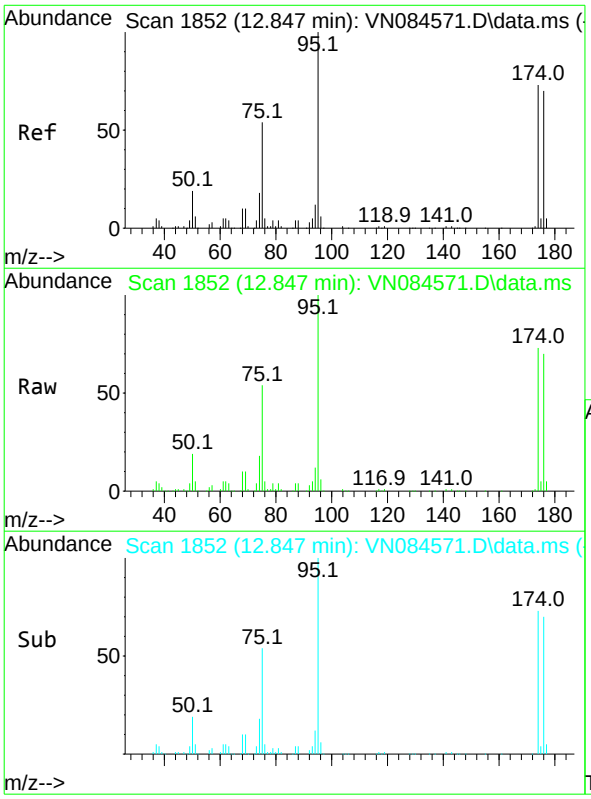
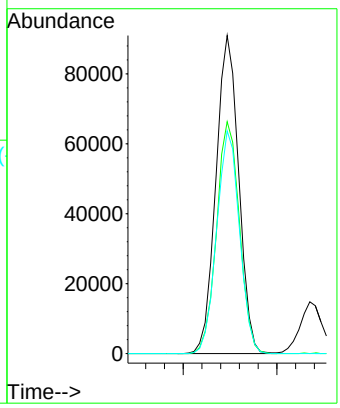
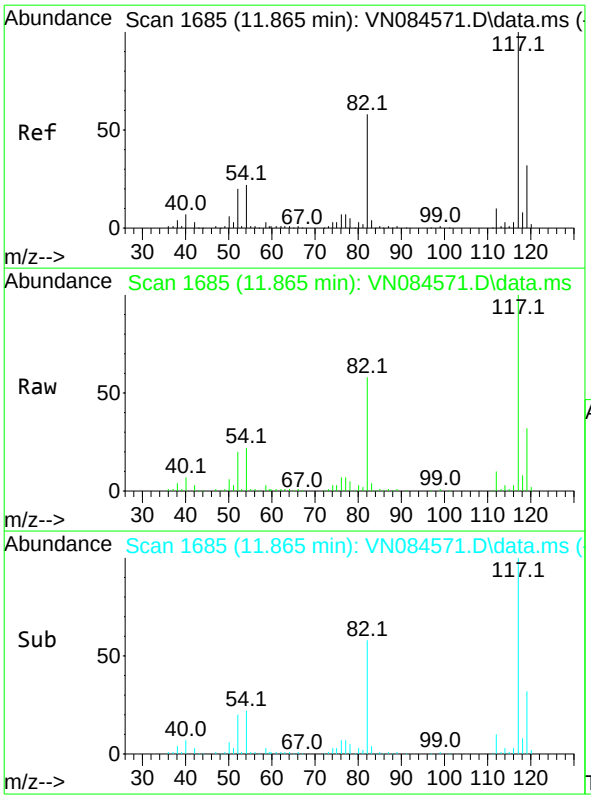


#62
4-Bromofluorobenzene
Concen: 52.913 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 95 Resp: 153622

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	145.2
176	70.0	0.0	140.0

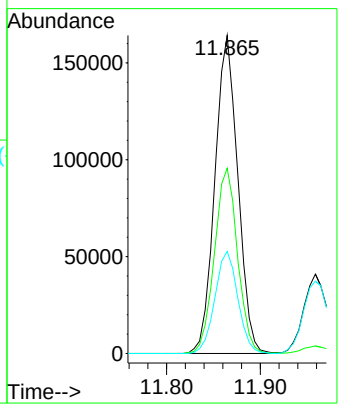




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:117 Resp: 279228

Ion	Ratio	Lower	Upper
117	100		
82	58.3	47.2	70.8
119	32.1	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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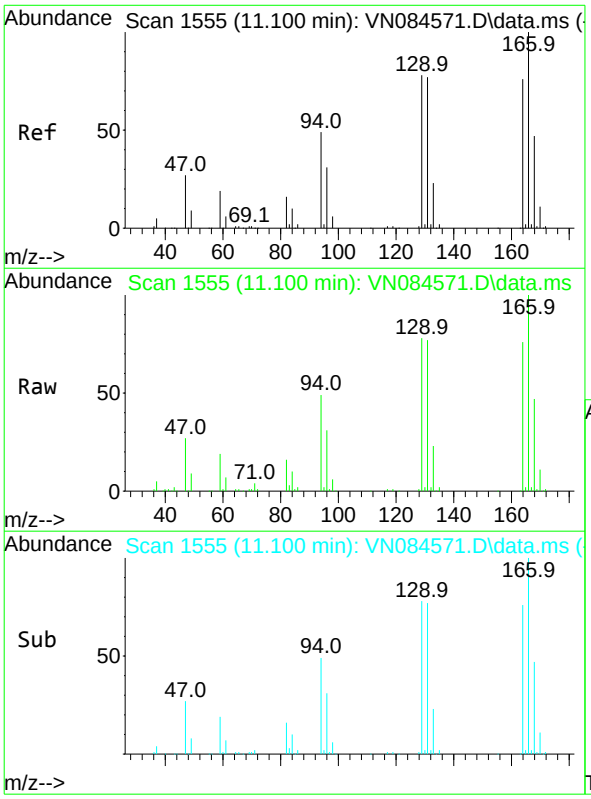
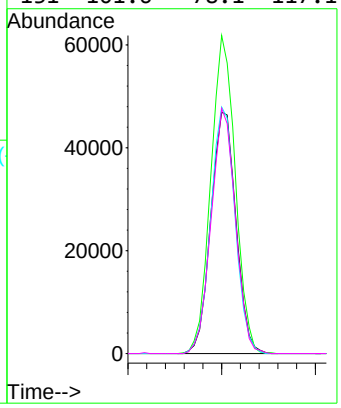
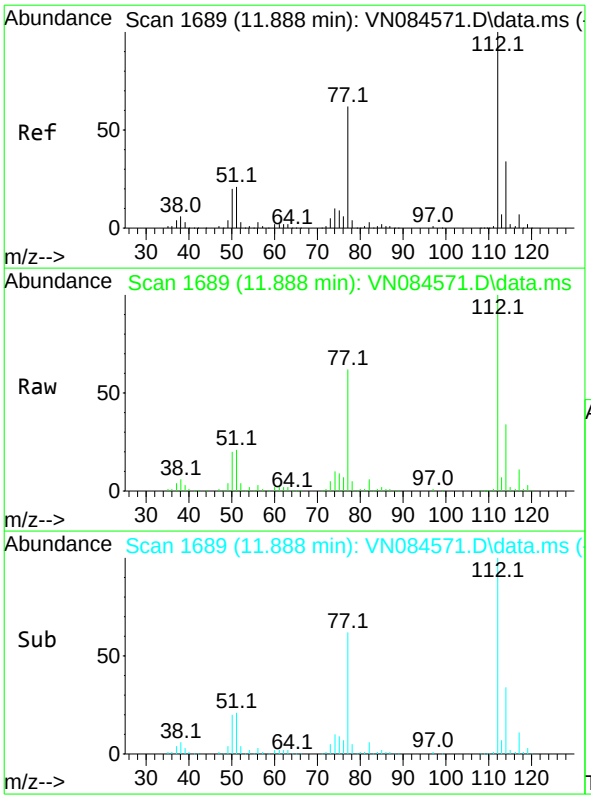


#64
Tetrachloroethene
Concen: 47.088 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:164 Resp: 87457

Ion	Ratio	Lower	Upper
164	100		
166	131.8	101.0	151.4
129	102.2	80.8	121.2
131	101.6	78.1	117.1

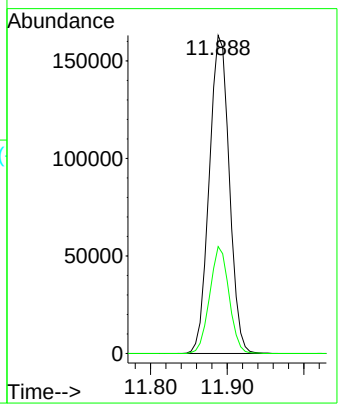




#65
Chlorobenzene
Concen: 47.416 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:112 Resp: 296199

Ion	Ratio	Lower	Upper
112	100		
114	33.6	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
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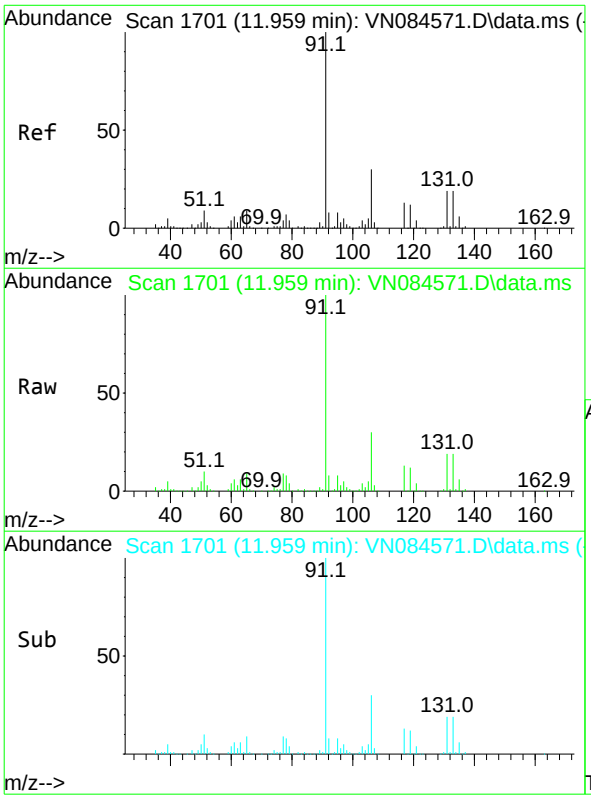
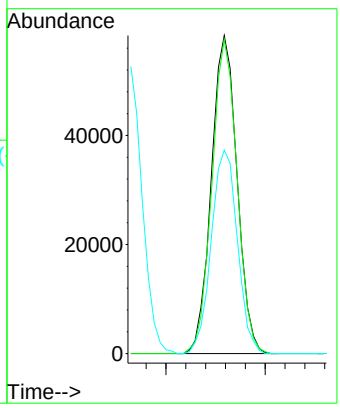
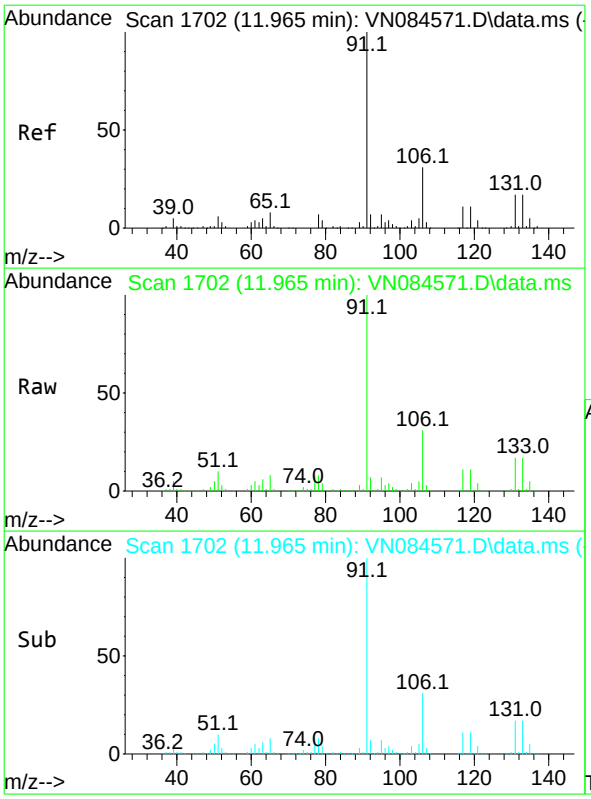


#66
1,1,1,2-Tetrachloroethane
Concen: 48.252 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:131 Resp: 104844

Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.9	143.7
119	65.0	32.8	98.3

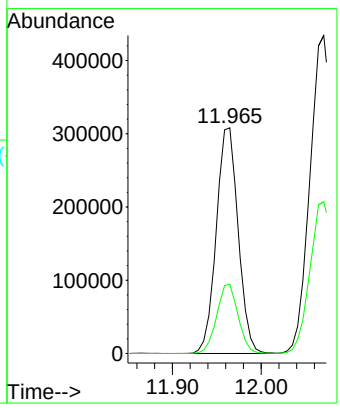




#67
Ethyl Benzene
Concen: 50.646 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 91 Resp: 528107

Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
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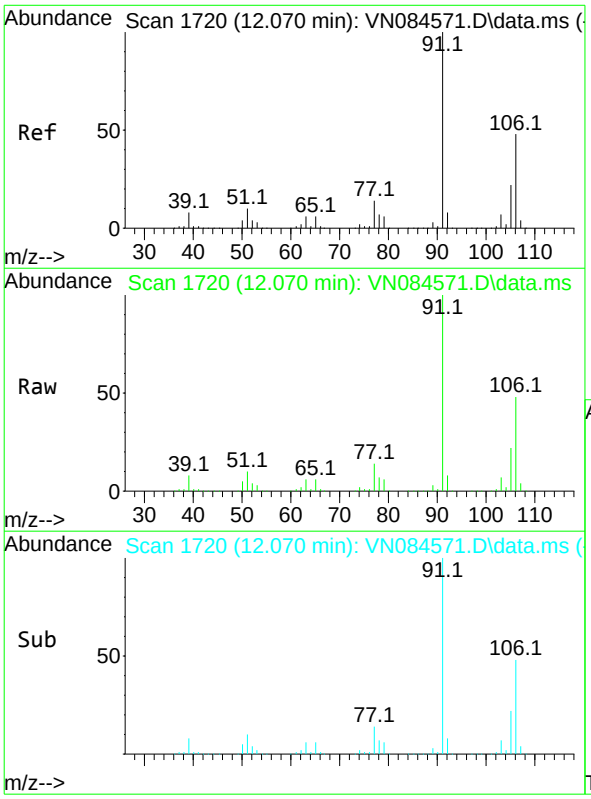
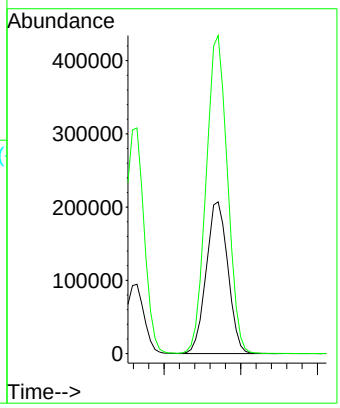
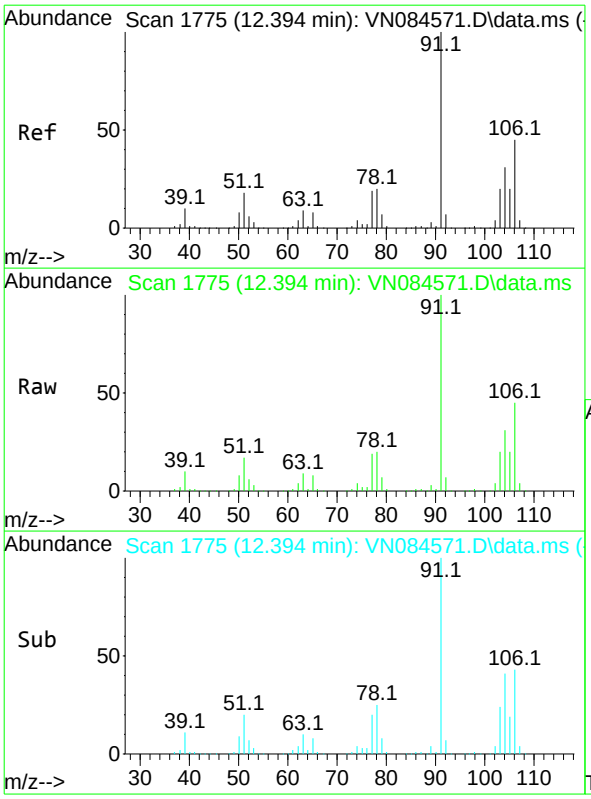


#68
m/p-Xylenes
Concen: 103.053 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:106 Resp: 406816

Ion	Ratio	Lower	Upper
106	100		
91	206.2	167.1	250.7





#69
o-Xylene
Concen: 52.183 ug/l
RT: 12.394 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:106 Resp: 192710

Ion	Ratio	Lower	Upper
106	100		
91	222.8	110.2	330.6

Instrument :
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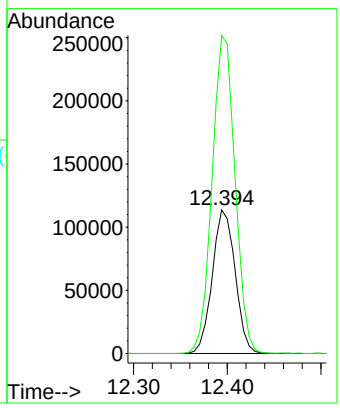
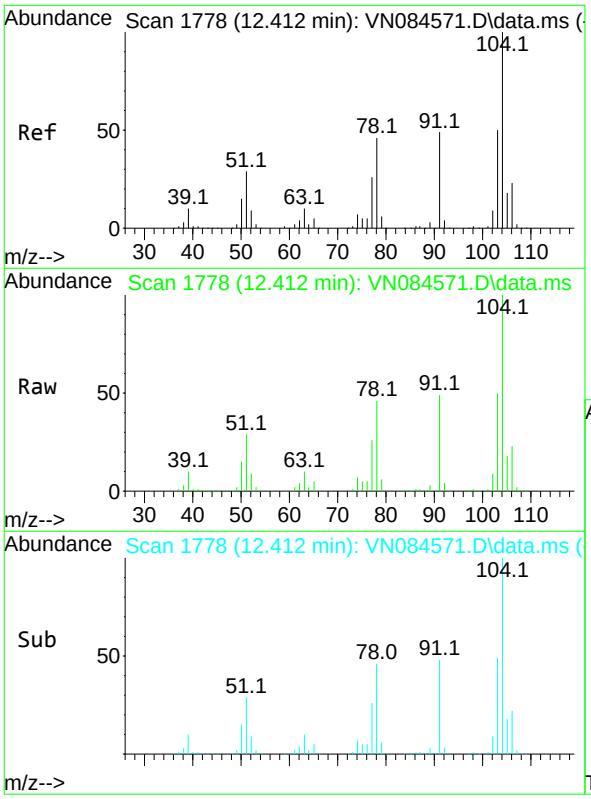
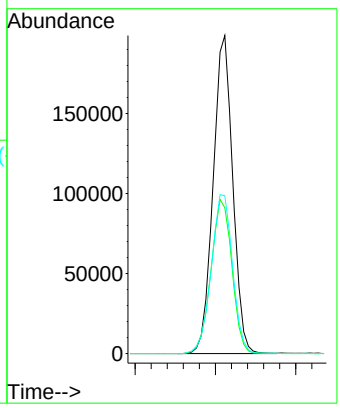


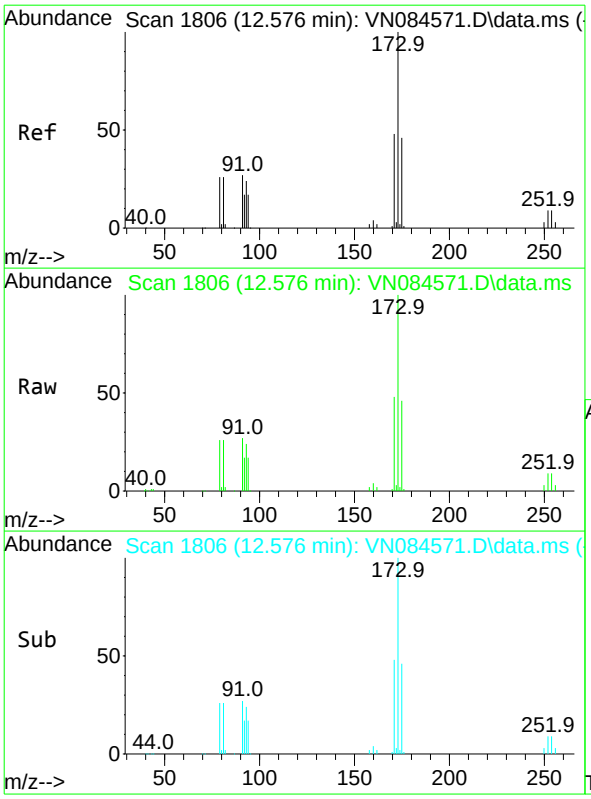


#70
Styrene
Concen: 52.245 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:104 Resp: 336570

Ion	Ratio	Lower	Upper
104	100		
78	51.7	42.7	64.1
103	54.4	43.6	65.4

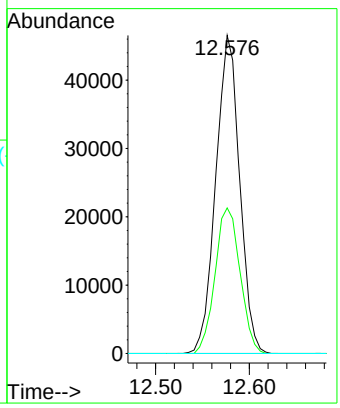




#71
Bromoform
Concen: 50.303 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:173 Resp: 82245

Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
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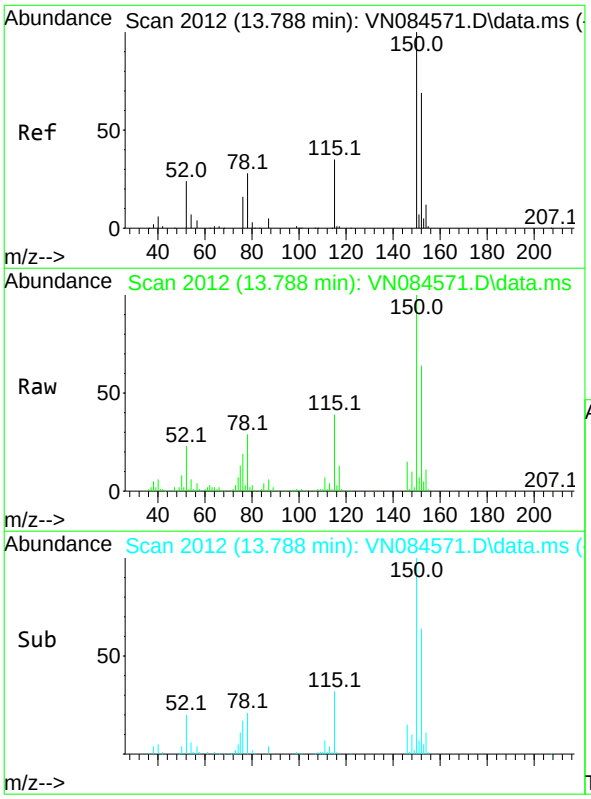
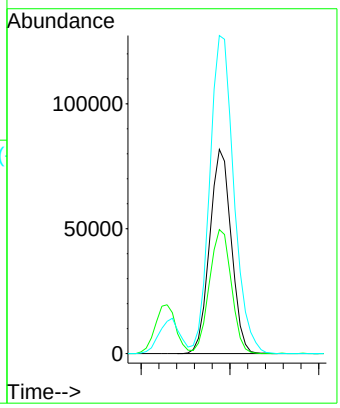
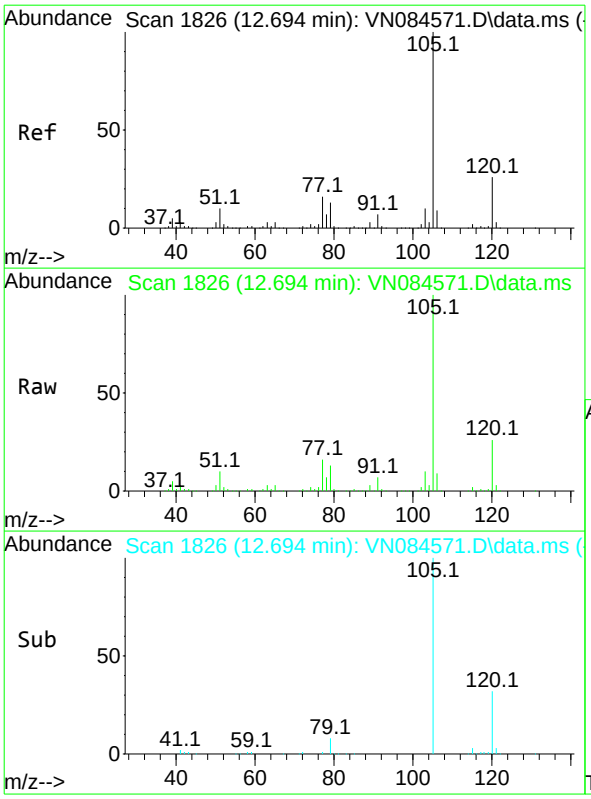


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:152 Resp: 138307

Ion	Ratio	Lower	Upper
152	100		
115	61.6	31.3	93.9
150	173.8	0.0	349.8

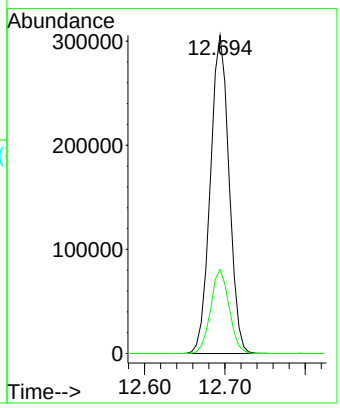




#73
Isopropylbenzene
Concen: 50.942 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:105 Resp: 493742

Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
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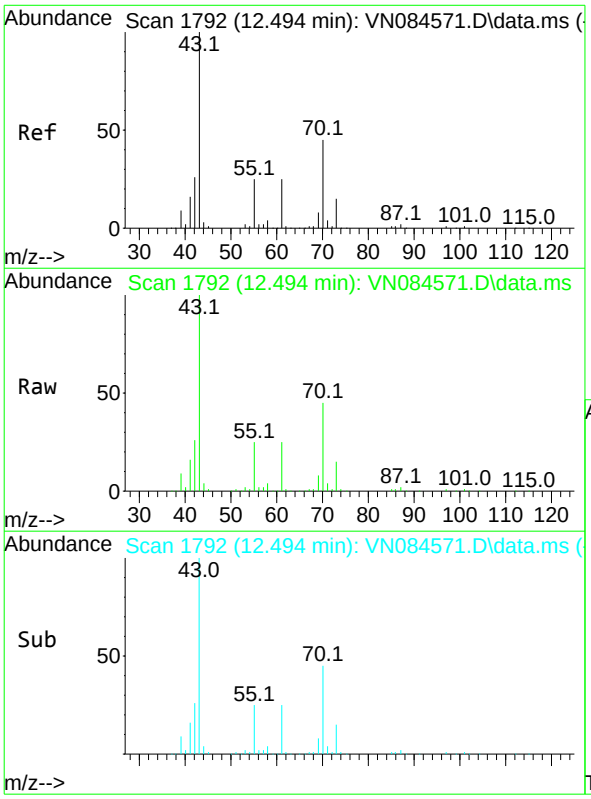
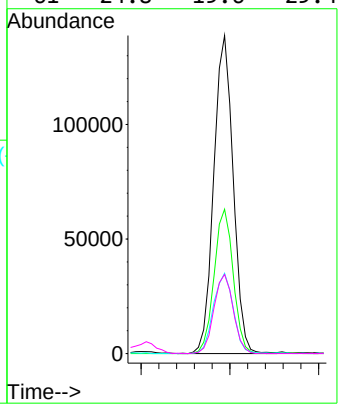
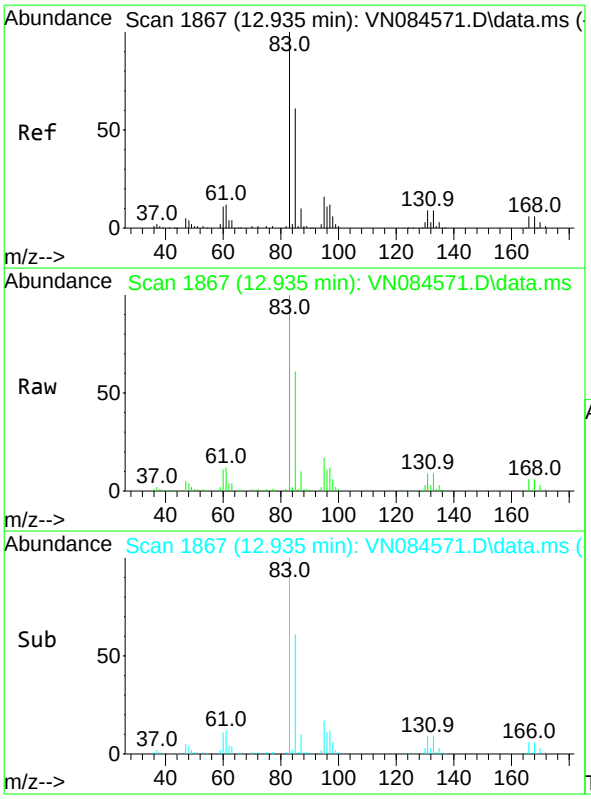


#74
N-amyl acetate
Concen: 51.228 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 43 Resp: 211326

Ion	Ratio	Lower	Upper
43	100		
70	44.6	34.4	51.6
55	25.9	19.6	29.4
61	24.8	19.6	29.4

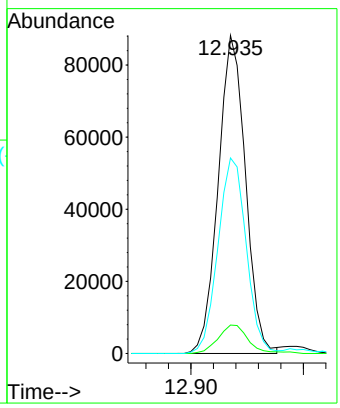




#75
1,1,2,2-Tetrachloroethane
Concen: 45.884 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 83 Resp: 148441

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.9	14.7
85	63.7	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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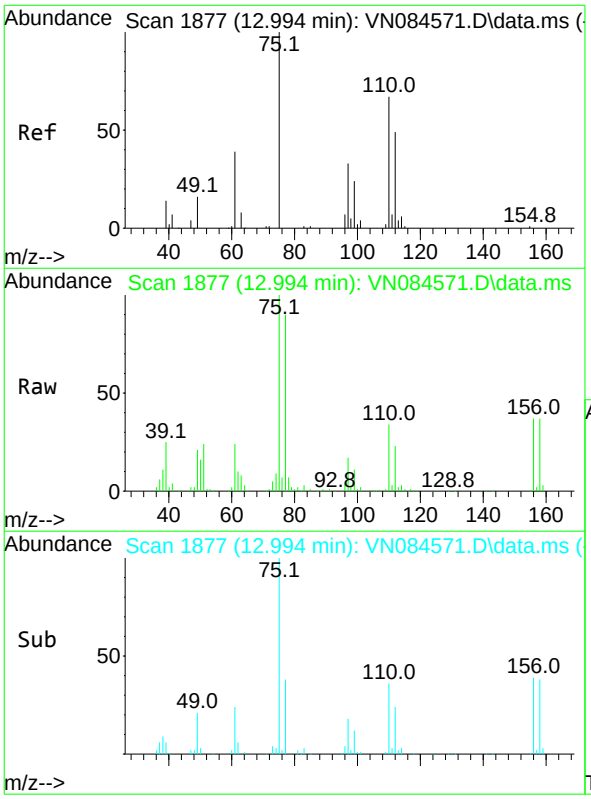
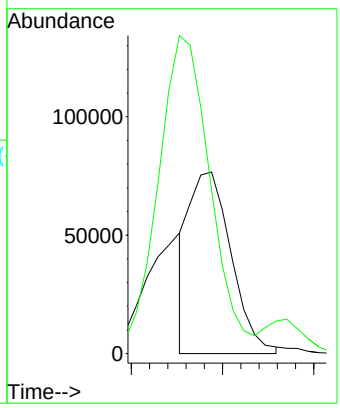
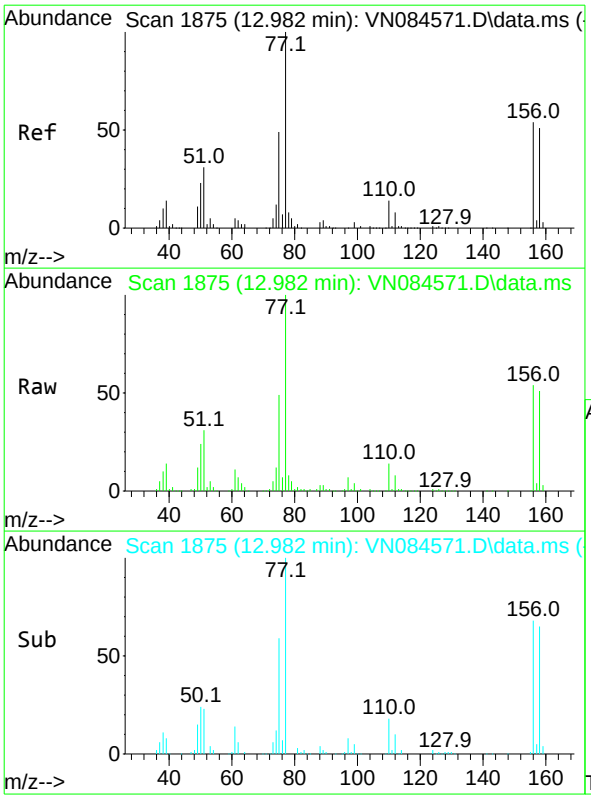


#76
1,2,3-Trichloropropane
Concen: 44.939 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 75 Resp: 122649

Ion	Ratio	Lower	Upper
75	100		
77	217.7	96.9	290.7

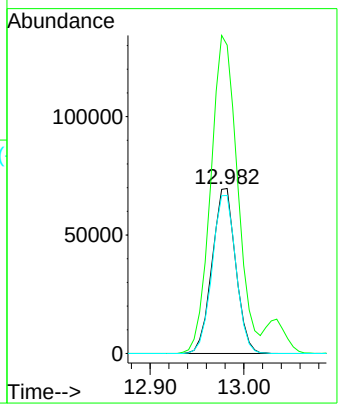




#77
Bromobenzene
Concen: 46.847 ug/l
RT: 12.982 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:156 Resp: 122062

Ion	Ratio	Lower	Upper
156	100		
77	218.7	115.1	345.3
158	96.5	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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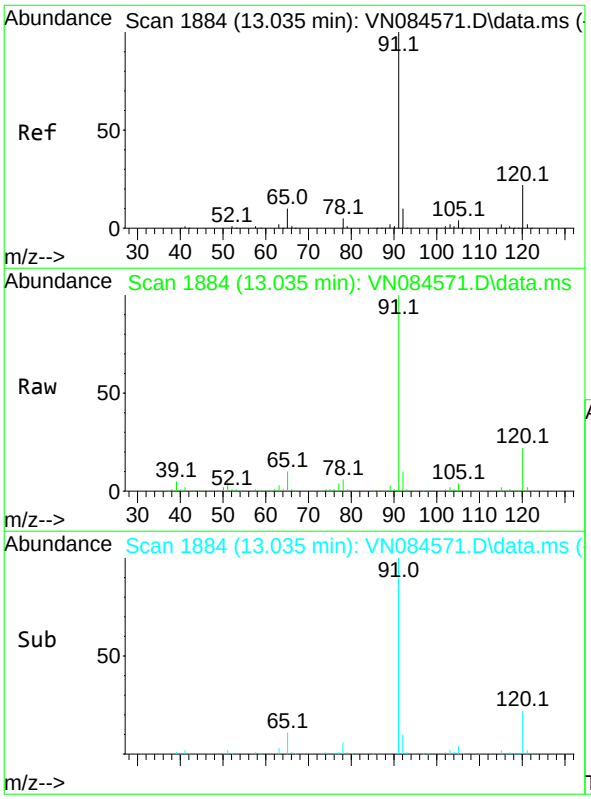
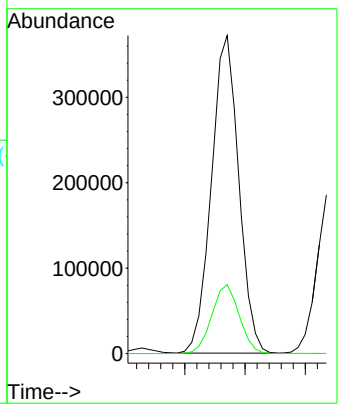
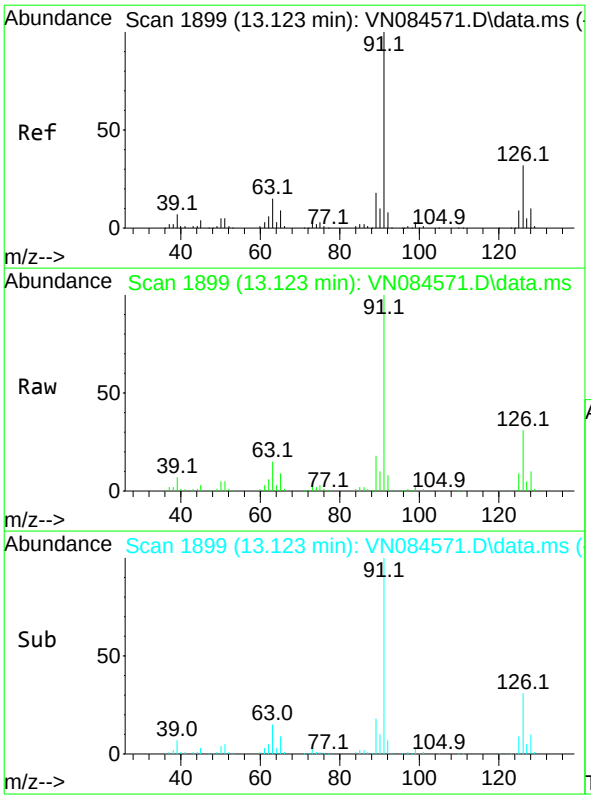


#78
n-propylbenzene
Concen: 51.587 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 91 Resp: 585903

Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.8	32.4

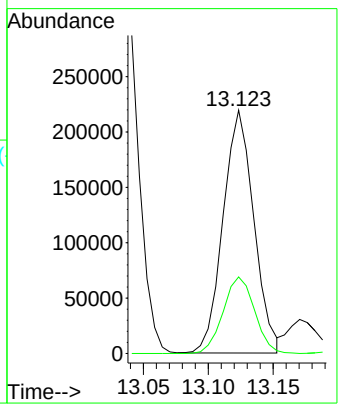




#79
2-Chlorotoluene
Concen: 48.850 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 91 Resp: 362526

Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
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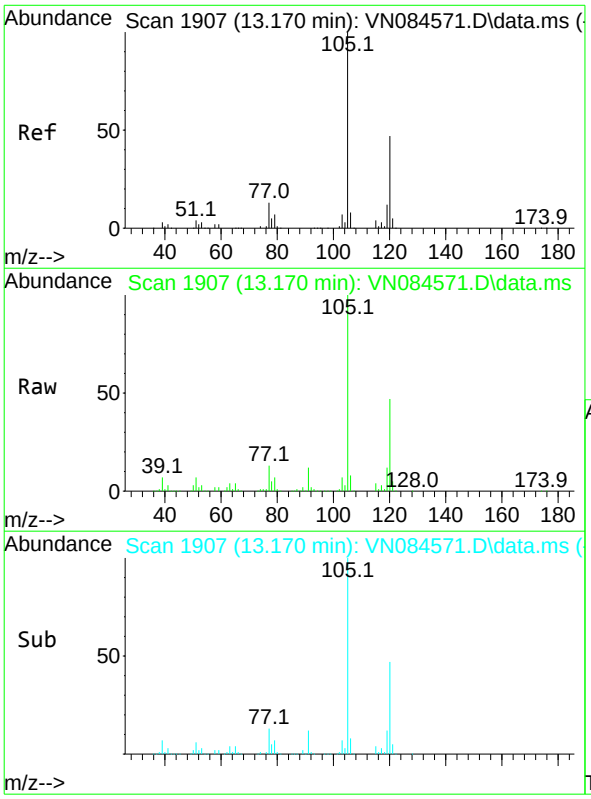
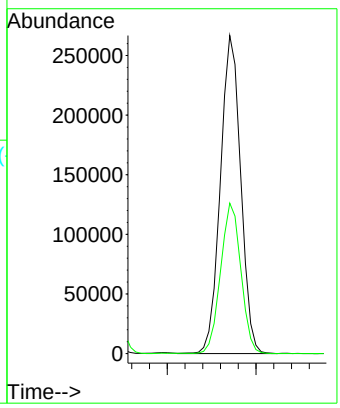
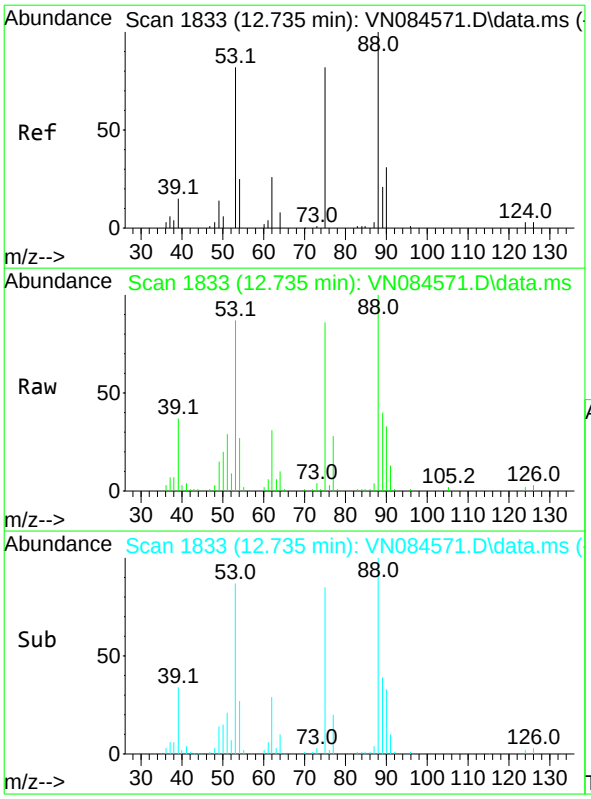


#80
1,3,5-Trimethylbenzene
Concen: 52.823 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:105 Resp: 424332

Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.7	71.1

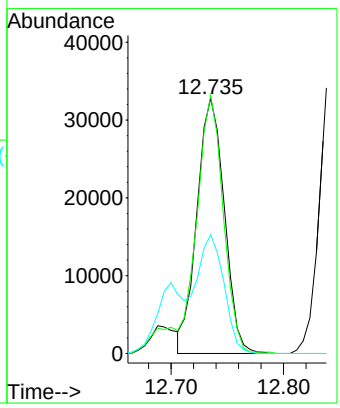




#81
trans-1,4-Dichloro-2-butene
Concen: 47.612 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 75 Resp: 55485

Ion	Ratio	Lower	Upper
75	100		
53	107.3	78.0	117.0
89	47.3	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
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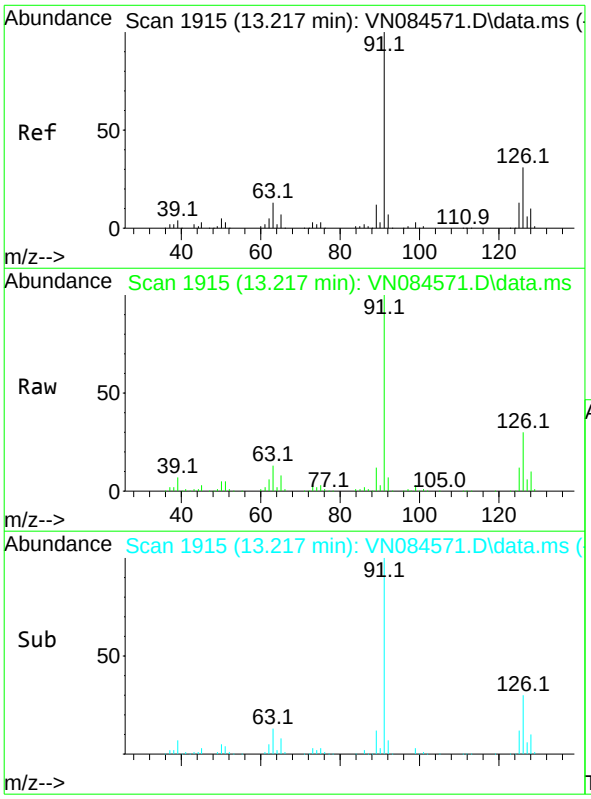
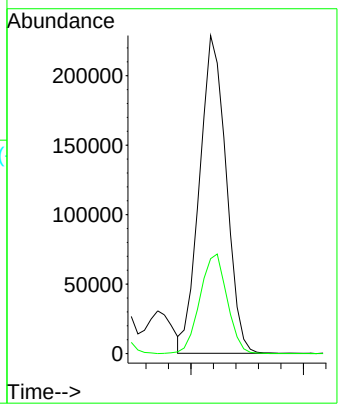
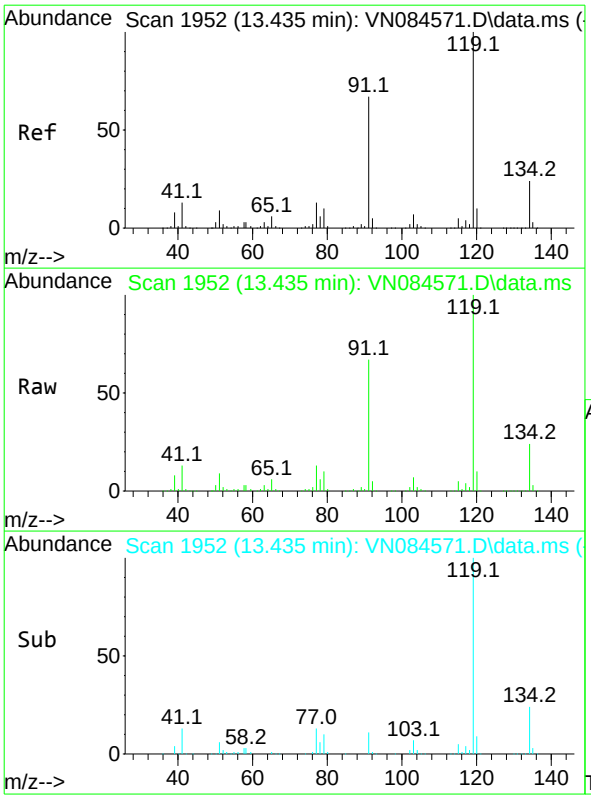


#82
4-Chlorotoluene
Concen: 48.097 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 91 Resp: 375636

Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1

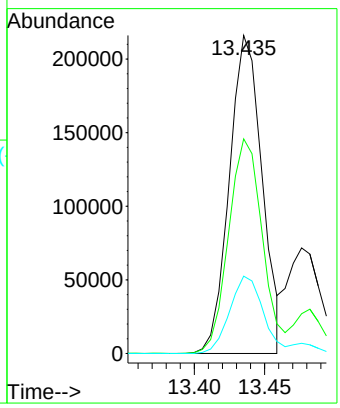




#83
tert-Butylbenzene
Concen: 52.649 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:119 Resp: 350031

Ion	Ratio	Lower	Upper
119	100		
91	69.8	34.1	102.3
134	24.7	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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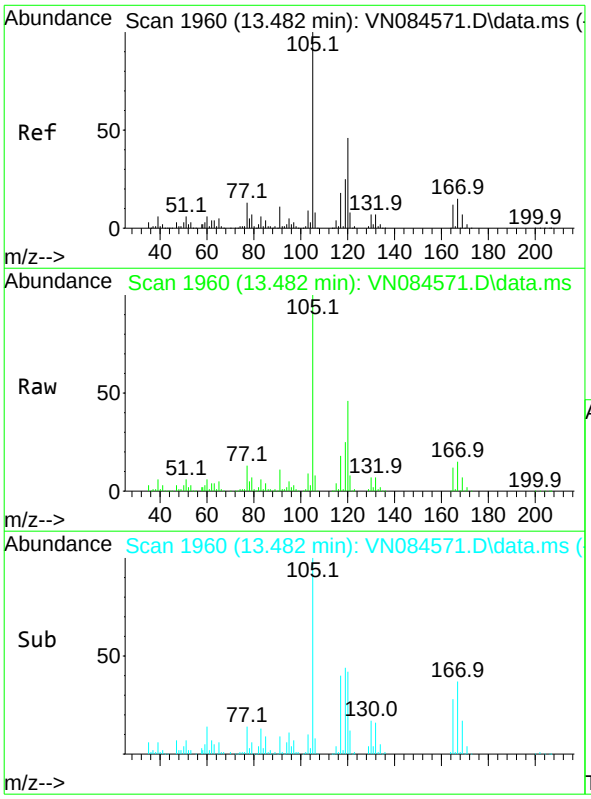
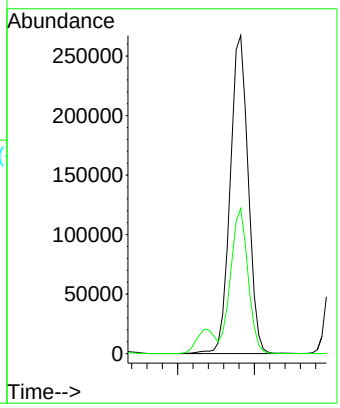
Supervised By :Mahesh Dadoda 11/04/2024

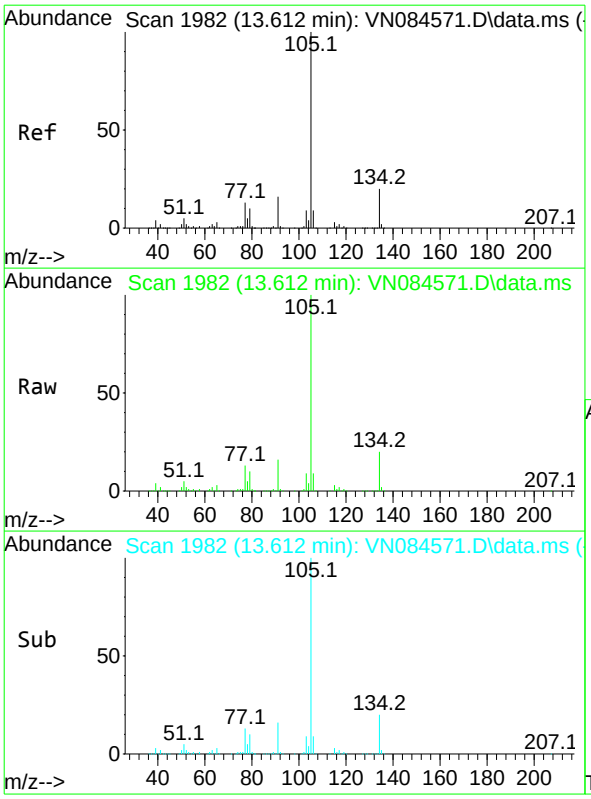


#84
1,2,4-Trimethylbenzene
Concen: 52.518 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:105 Resp: 435421

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.3	66.8

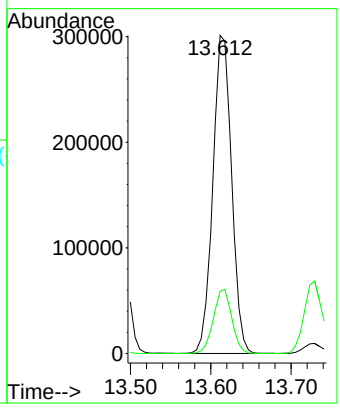




#85
sec-Butylbenzene
Concen: 52.102 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:105 Resp: 489305

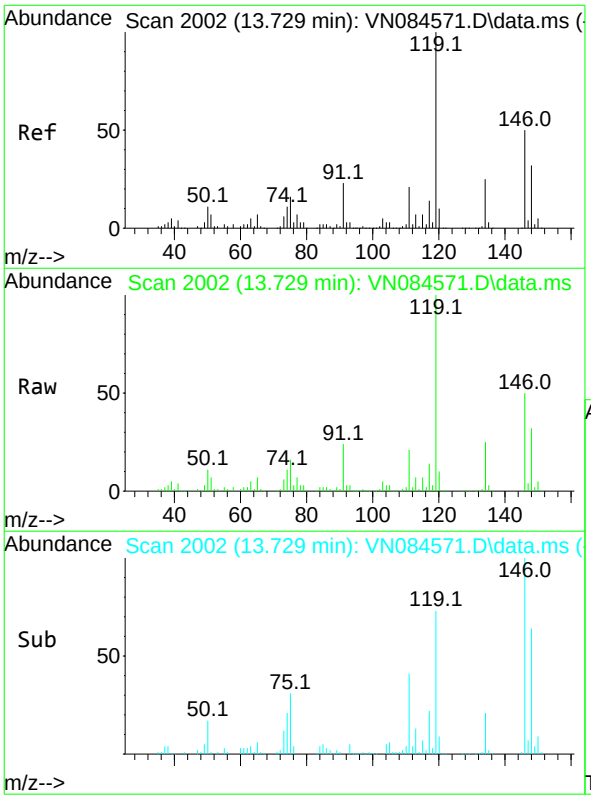
Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

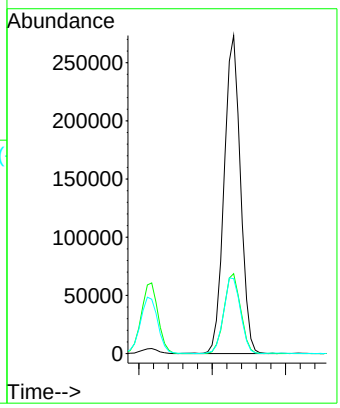
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

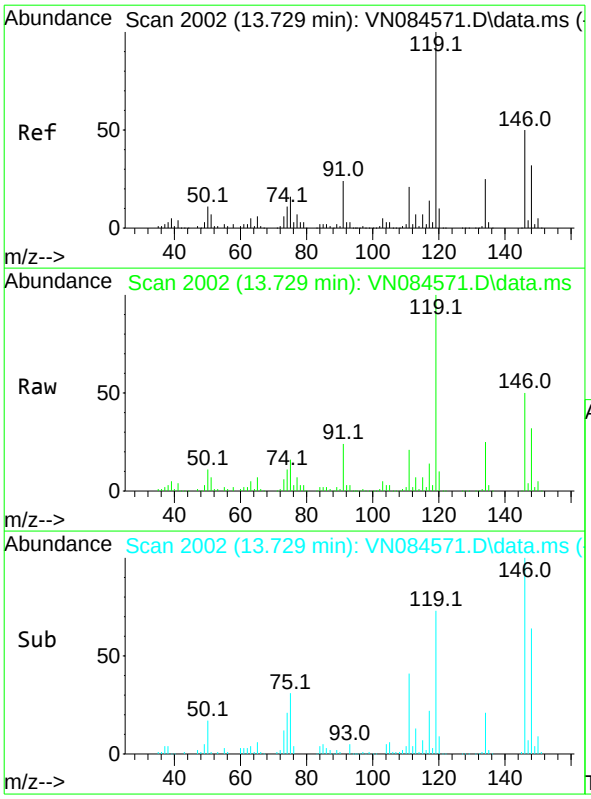


#86
p-Isopropyltoluene
Concen: 54.770 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:119 Resp: 421834

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.6	37.8
91	24.7	12.4	37.2

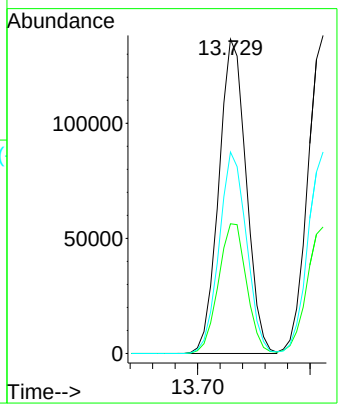




#87
1,3-Dichlorobenzene
Concen: 45.366 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:146 Resp: 230686

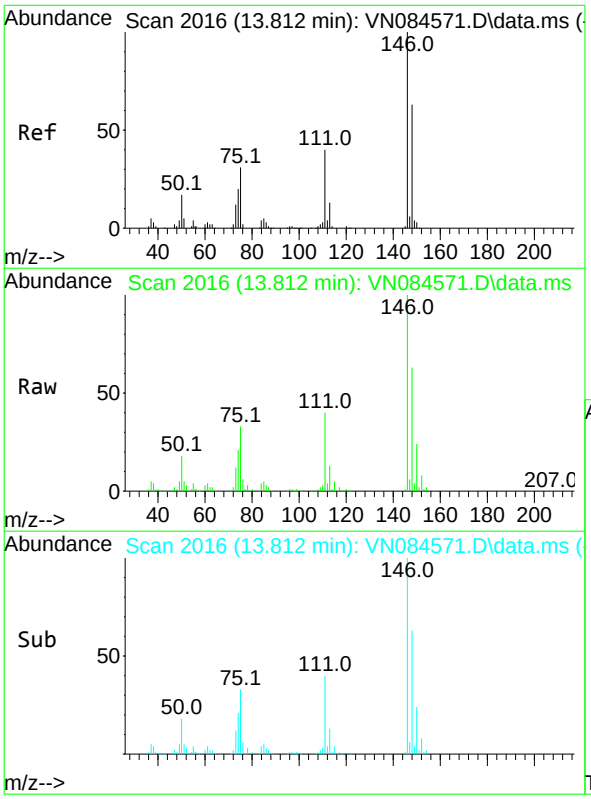
Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.8	65.3
148	64.1	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

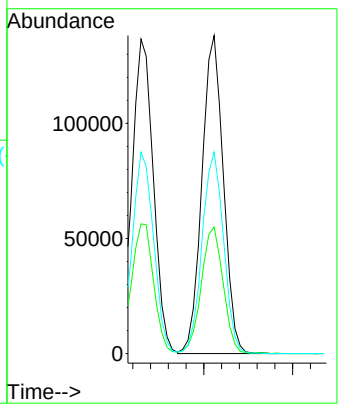
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

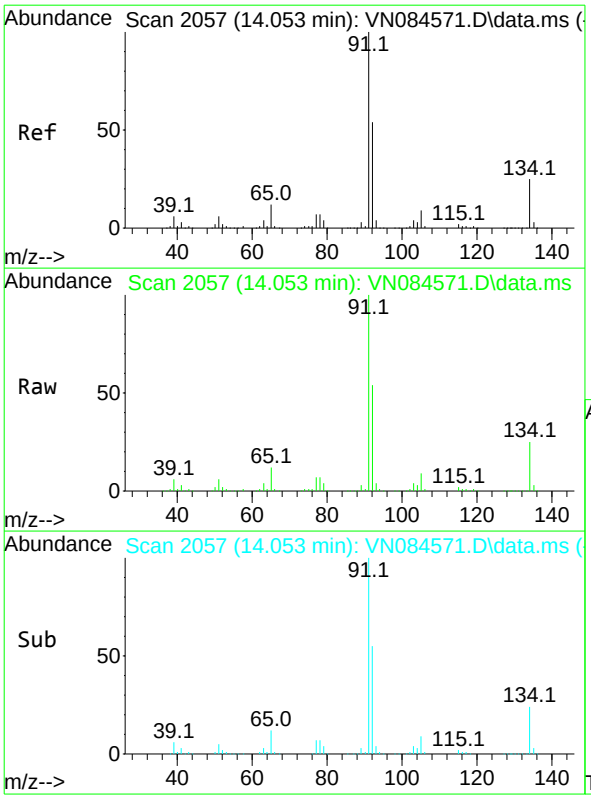


#88
1,4-Dichlorobenzene
Concen: 49.658 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:146 Resp: 231568

Ion	Ratio	Lower	Upper
146	100		
111	40.2	21.2	63.6
148	63.6	31.9	95.9

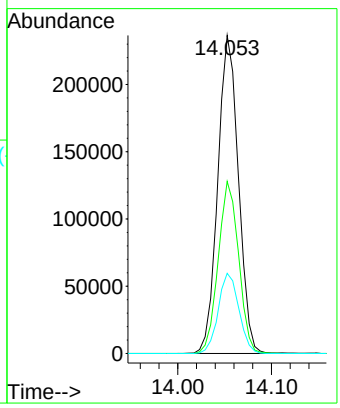




#89
n-Butylbenzene
Concen: 50.276 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 91 Resp: 362215

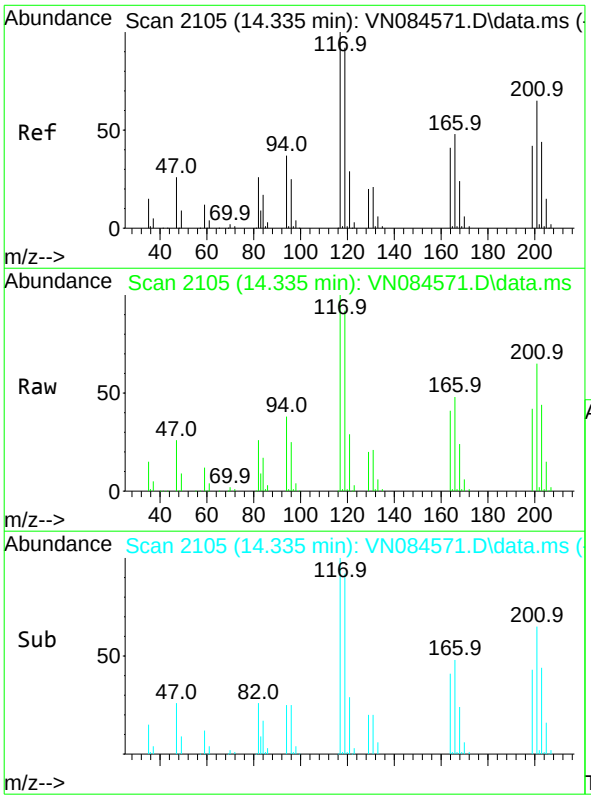
Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.6	79.7
134	25.2	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

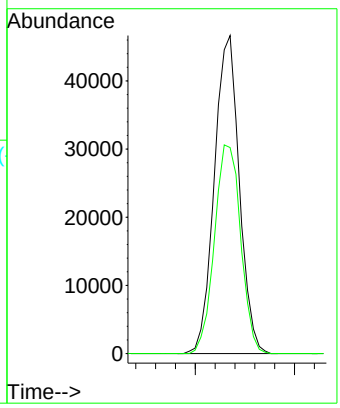
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

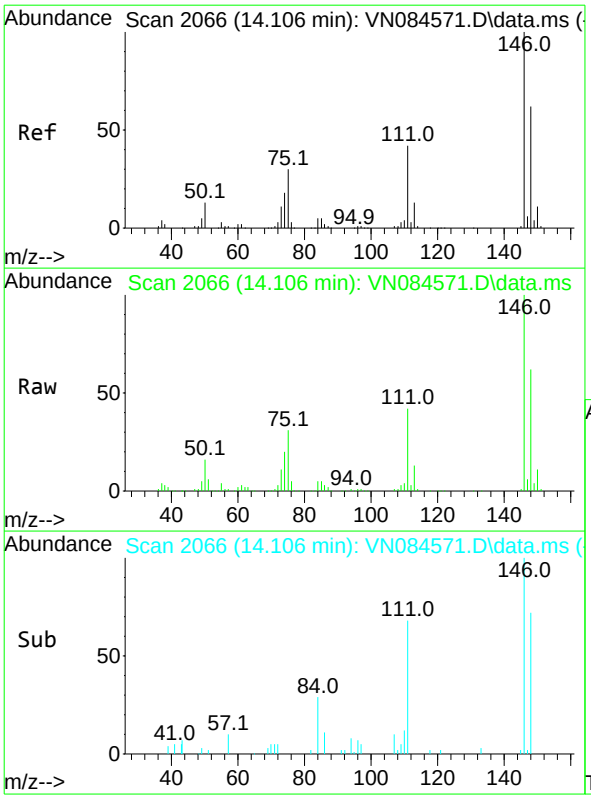


#90
Hexachloroethane
Concen: 47.459 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:117 Resp: 81515

Ion	Ratio	Lower	Upper
117	100		
201	68.9	34.4	103.2

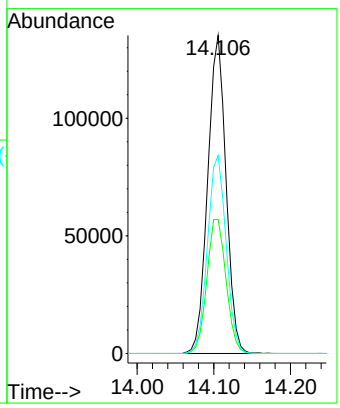




#91
1,2-Dichlorobenzene
Concen: 45.796 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:146 Resp: 223772

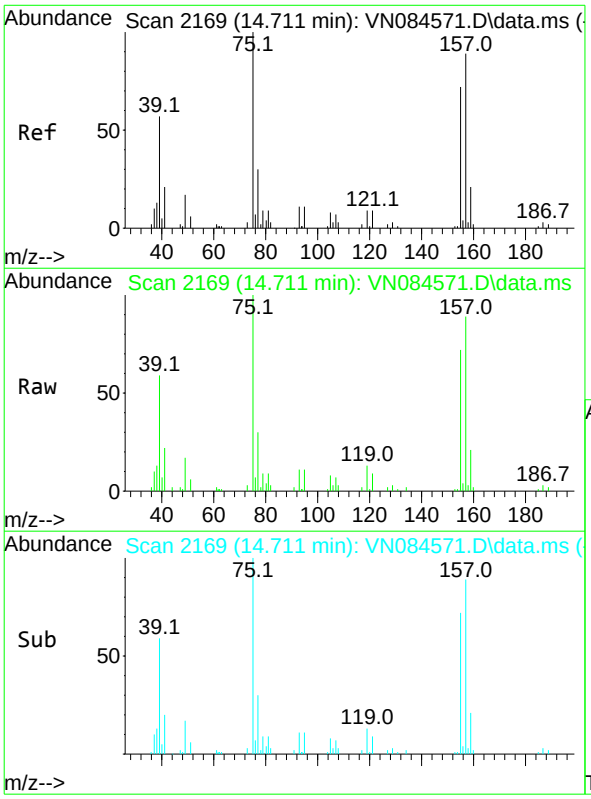
Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.0	66.0
148	63.7	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

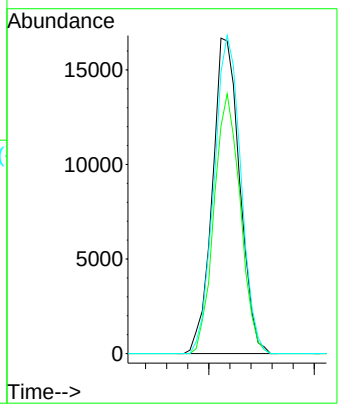
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

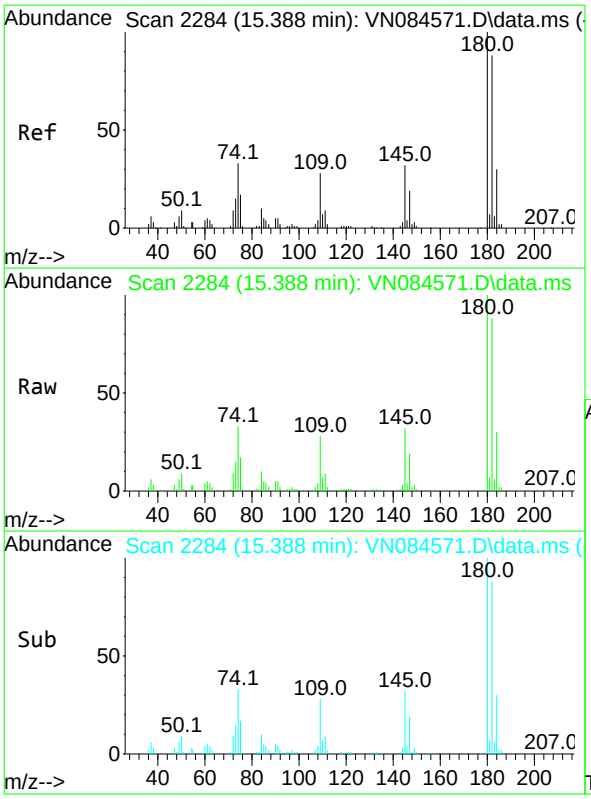


#92
1,2-Dibromo-3-Chloropropane
Concen: 45.754 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 75 Resp: 29987

Ion	Ratio	Lower	Upper
75	100		
155	79.0	38.1	114.5
157	99.0	49.6	149.0

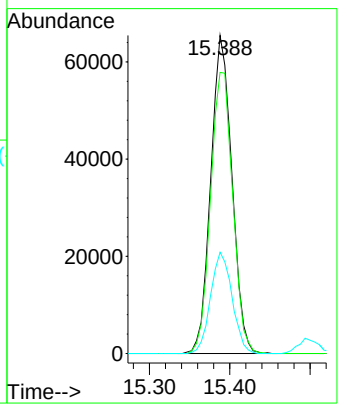




#93
1,2,4-Trichlorobenzene
Concen: 44.711 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:180 Resp: 119579

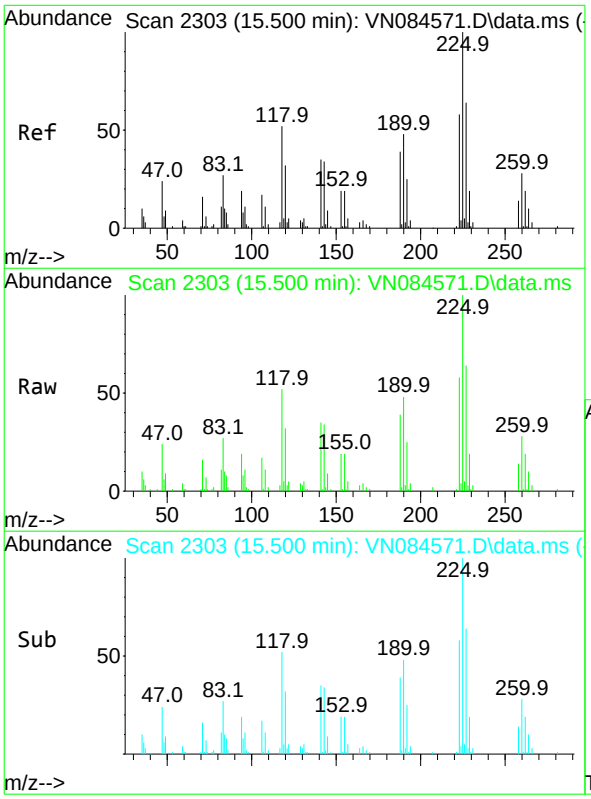
Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.0	141.0
145	32.4	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

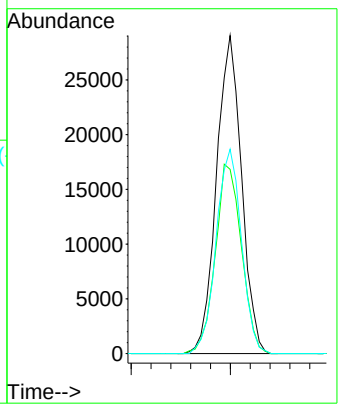
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

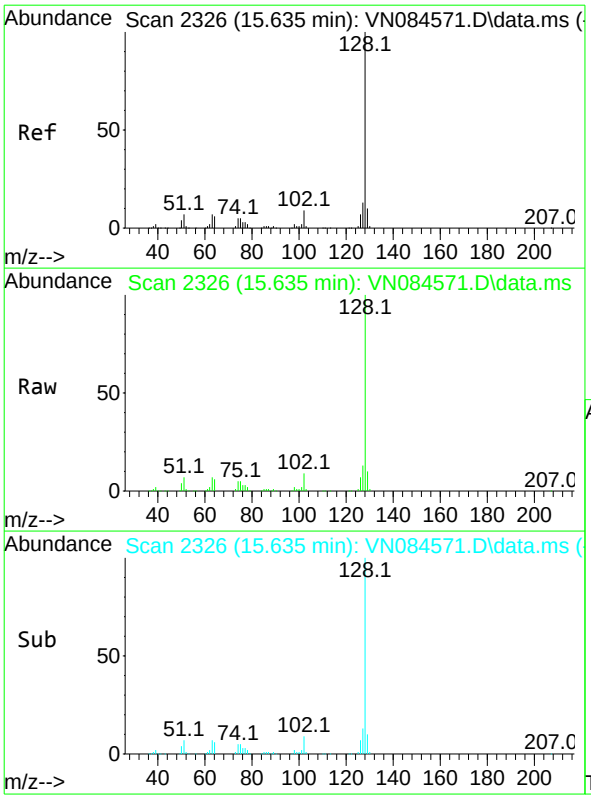


#94
Hexachlorobutadiene
Concen: 43.451 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:225 Resp: 51033

Ion	Ratio	Lower	Upper
225	100		
223	62.0	32.4	97.2
227	64.9	32.4	97.0

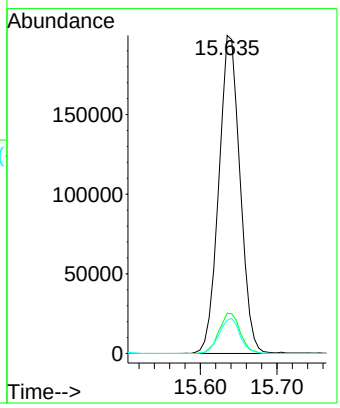




#95
Naphthalene
Concen: 48.037 ug/l
RT: 15.635 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:128 Resp: 384553

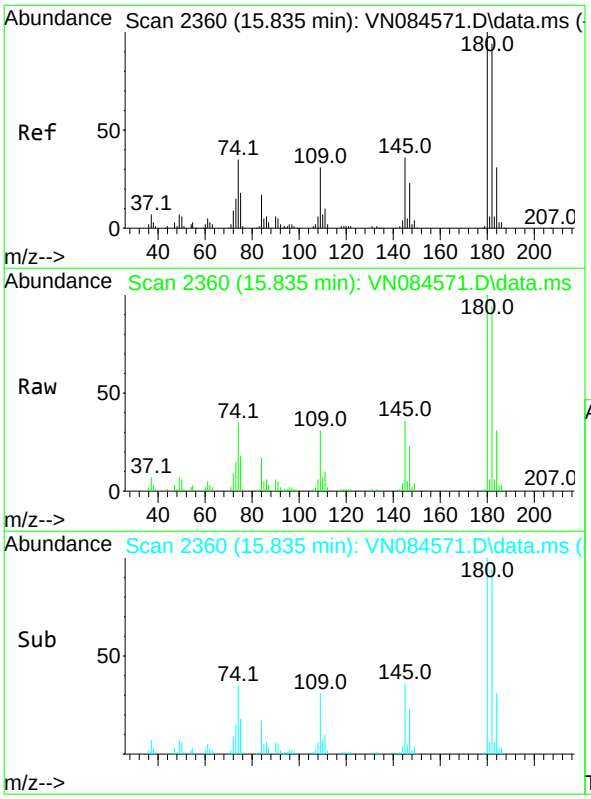
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	10.9	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

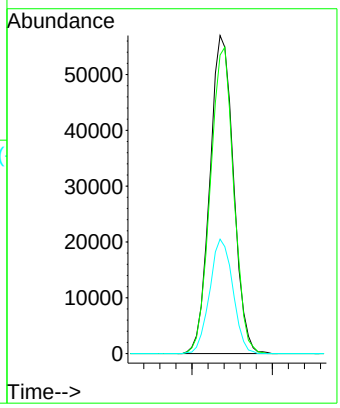
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#96
1,2,3-Trichlorobenzene
Concen: 44.812 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:180 Resp: 116341

Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.2	144.6
145	35.3	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	187576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	319890	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	53102	19.600	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	39.200%#		
35) Dibromofluoromethane	8.165	113	41686	19.252	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	38.500%#		
50) Toluene-d8	10.565	98	155563	19.504	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.000%#		
62) 4-Bromofluorobenzene	12.847	95	57622	19.330	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	38.660%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	41443	19.219	ug/l	99
3) Chloromethane	2.359	50	54414	19.993	ug/l	97
4) Vinyl Chloride	2.512	62	46710	20.140	ug/l	93
5) Bromomethane	2.901	94	23244	18.916	ug/l	100
6) Chloroethane	3.042	64	30992	20.772	ug/l	94
7) Trichlorofluoromethane	3.442	101	76339	19.982	ug/l	96
8) Diethyl Ether	3.948	74	26904	19.963	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.342	101	42830	19.840	ug/l	99
10) Methyl Iodide	4.565	142	57315	19.865	ug/l	96
11) Tert butyl alcohol	5.559	59	33927	94.871	ug/l	99
12) 1,1-Dichloroethene	4.318	96	41980	19.653	ug/l	89
13) Acrolein	4.171	56	38007	106.582	ug/l	96
14) Allyl chloride	5.006	41	70420	20.328	ug/l	92
15) Acrylonitrile	5.718	53	105912	102.304	ug/l	97
16) Acetone	4.430	43	79971	100.481	ug/l	99
17) Carbon Disulfide	4.689	76	127521	19.385	ug/l	98
18) Methyl Acetate	5.024	43	71604	22.882	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	135170	20.645	ug/l	100
20) Methylene Chloride	5.271	84	47467	19.921	ug/l	88
21) trans-1,2-Dichloroethene	5.771	96	44697	20.378	ug/l	93
22) Diisopropyl ether	6.671	45	144115	20.937	ug/l	97
23) Vinyl Acetate	6.594	43	490034	103.232	ug/l	100
24) 1,1-Dichloroethane	6.559	63	83555	20.218	ug/l	97
25) 2-Butanone	7.483	43	130541	103.281	ug/l	99
26) 2,2-Dichloropropane	7.483	77	73066	20.313	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	52279	20.412	ug/l	97
28) Bromochloromethane	7.806	49	29146	17.702	ug/l	91
29) Tetrahydrofuran	7.836	42	86837	103.560	ug/l	97
30) Chloroform	7.959	83	85675	20.368	ug/l	100
31) Cyclohexane	8.247	56	71698	19.169	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	78458	20.493	ug/l	97
36) 1,1-Dichloropropene	8.371	75	60208	20.050	ug/l	99
37) Ethyl Acetate	7.559	43	54942	20.165	ug/l	97
38) Carbon Tetrachloride	8.359	117	68076	20.282	ug/l	98
39) Methylcyclohexane	9.600	83	63305	20.722	ug/l	93
40) Benzene	8.600	78	193129	20.026	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	30596	20.882	ug/l		97
42) 1,2-Dichloroethane	8.665	62	63026	20.180	ug/l		99
43) Isopropyl Acetate	8.688	43	104951	20.277	ug/l		98
44) Trichloroethene	9.347	130	44176	19.862	ug/l		99
45) 1,2-Dichloropropane	9.618	63	45764	20.229	ug/l		93
46) Dibromomethane	9.706	93	32857	20.583	ug/l		99
47) Bromodichloromethane	9.888	83	67288	19.997	ug/l	#	98
48) Methyl methacrylate	9.682	41	43398	20.466	ug/l		97
49) 1,4-Dioxane	9.700	88	15417	410.291	ug/l	#	79
51) 4-Methyl-2-Pentanone	10.447	43	266010	102.417	ug/l		100
52) Toluene	10.629	92	117530	20.838	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	68847	19.766	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	74498	20.208	ug/l		95
55) 1,1,2-Trichloroethane	11.012	97	42791	20.141	ug/l		95
56) Ethyl methacrylate	10.871	69	63347	20.613	ug/l		96
57) 1,3-Dichloropropane	11.159	76	74082	20.317	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	146372	101.786	ug/l		98
59) 2-Hexanone	11.194	43	192335	101.735	ug/l		99
60) Dibromochloromethane	11.359	129	50039	20.665	ug/l		99
61) 1,2-Dibromoethane	11.465	107	43666	20.070	ug/l		100
64) Tetrachloroethene	11.106	164	36798	20.054	ug/l		92
65) Chlorobenzene	11.888	112	126753	20.539	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	43201	20.125	ug/l		99
67) Ethyl Benzene	11.965	91	212737	20.651	ug/l		99
68) m/p-Xylenes	12.071	106	162754	41.732	ug/l		99
69) o-Xylene	12.400	106	77396	21.214	ug/l		99
70) Styrene	12.412	104	133059	20.907	ug/l		96
71) Bromoform	12.576	173	32901	20.369	ug/l	#	99
73) Isopropylbenzene	12.694	105	193023	21.127	ug/l		100
74) N-amyl acetate	12.494	43	80939	20.815	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	60645	19.886	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	49947m	19.414	ug/l		
77) Bromobenzene	12.976	156	48017	19.550	ug/l		97
78) n-propylbenzene	13.035	91	225085	21.024	ug/l		99
79) 2-Chlorotoluene	13.123	91	148533	21.233	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	161619	21.343	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	22047	20.070	ug/l	#	85
82) 4-Chlorotoluene	13.218	91	147989	20.102	ug/l		100
83) tert-Butylbenzene	13.435	119	138079	22.033	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	170246	21.783	ug/l		99
85) sec-Butylbenzene	13.618	105	188158	21.255	ug/l		100
86) p-Isopropyltoluene	13.729	119	156598	21.569	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	92310	19.258	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	92940	20.458	ug/l		99
89) n-Butylbenzene	14.053	91	136771	20.139	ug/l		99
90) Hexachloroethane	14.329	117	32199	19.887	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	91138	19.787	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11962	19.362	ug/l		96
93) 1,2,4-Trichlorobenzene	15.394	180	46698	18.523	ug/l		96
94) Hexachlorobutadiene	15.500	225	22216	20.066	ug/l		96
95) Naphthalene	15.635	128	153972	20.404	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	49699	20.308	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
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ClientSampleId :
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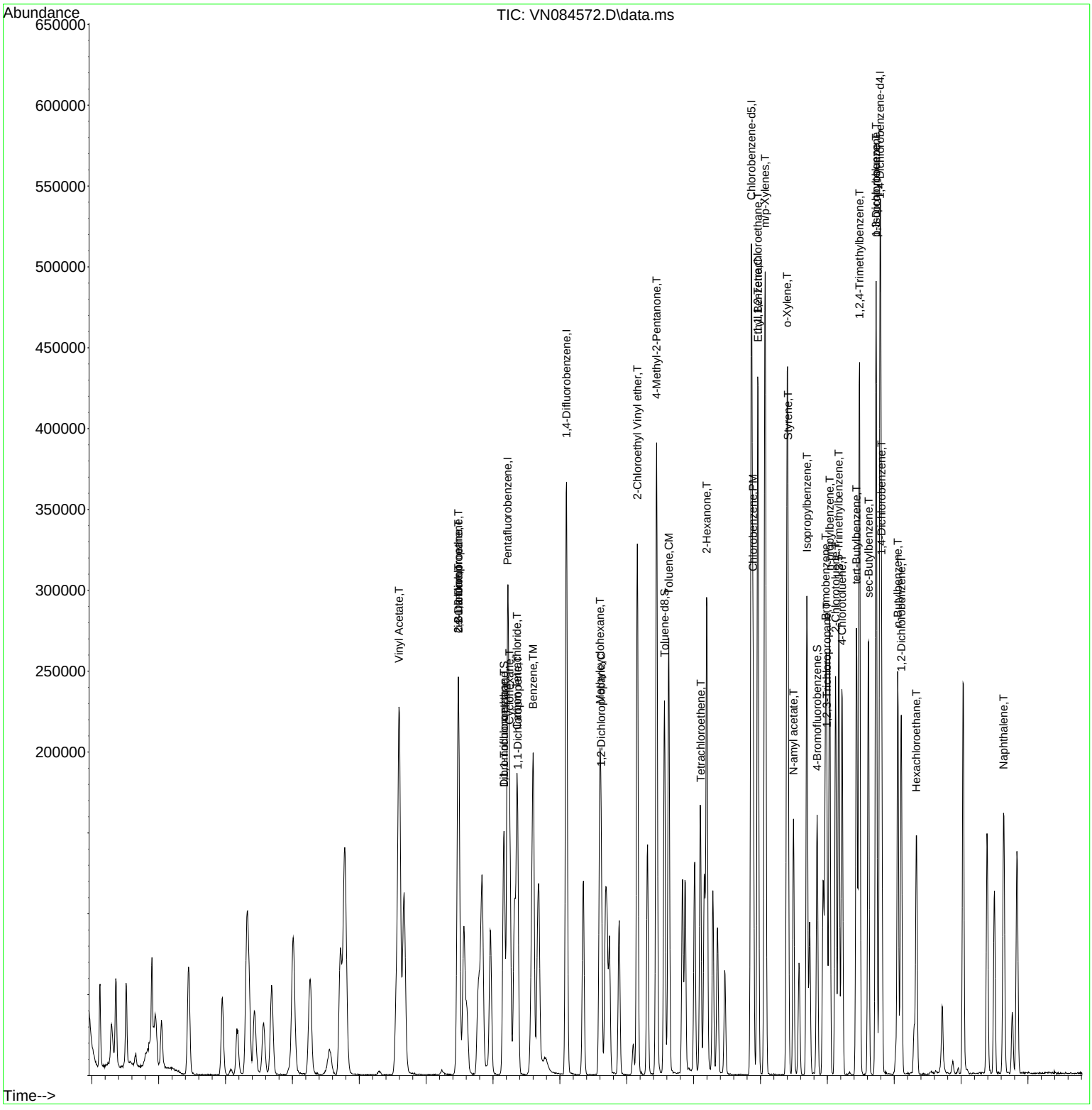
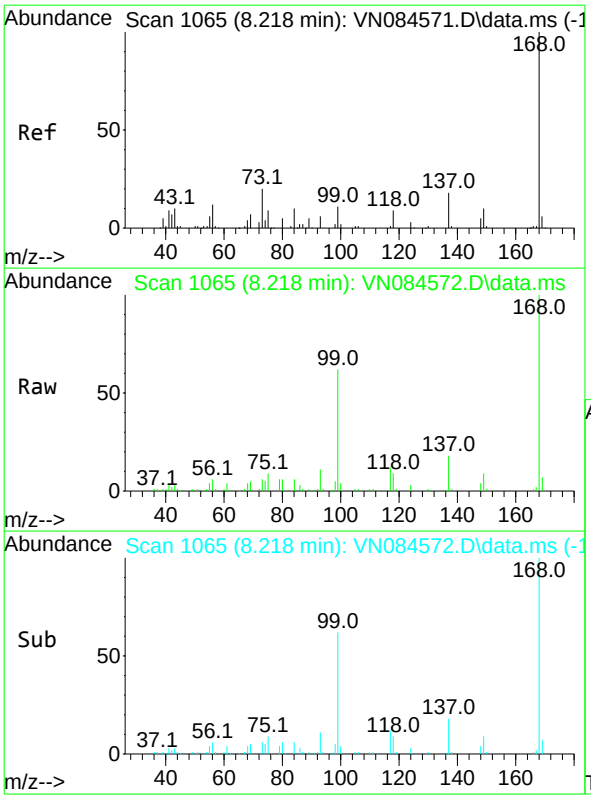
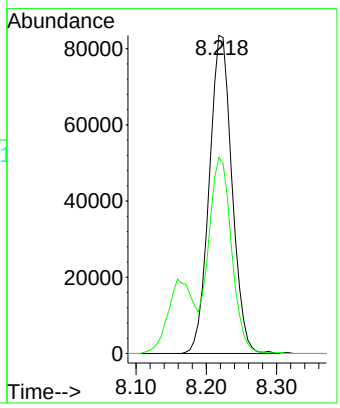




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:168 Resp: 187576

Ion	Ratio	Lower	Upper
168	100		
99	61.5	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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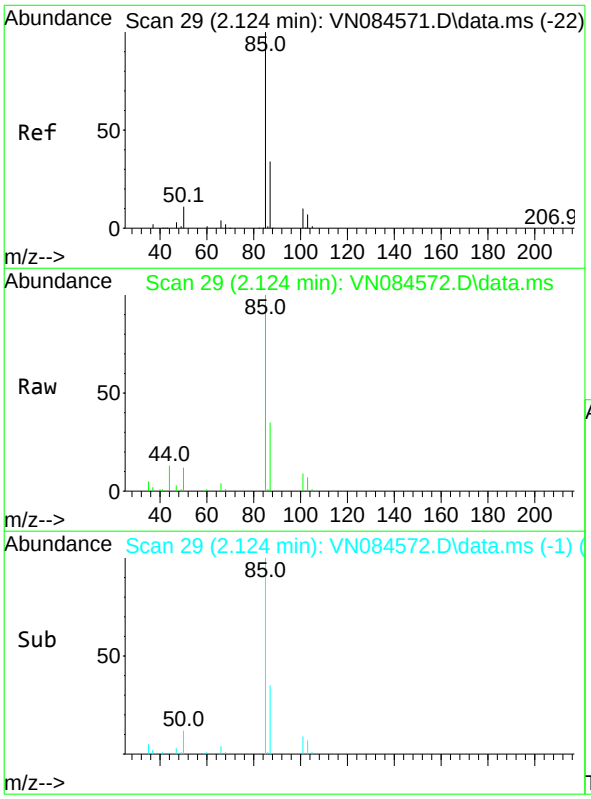
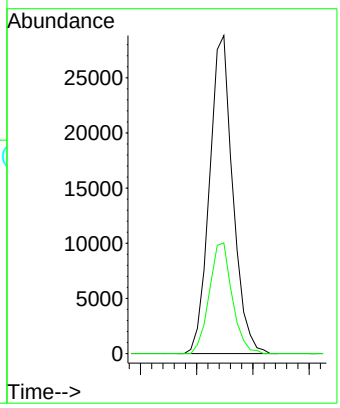
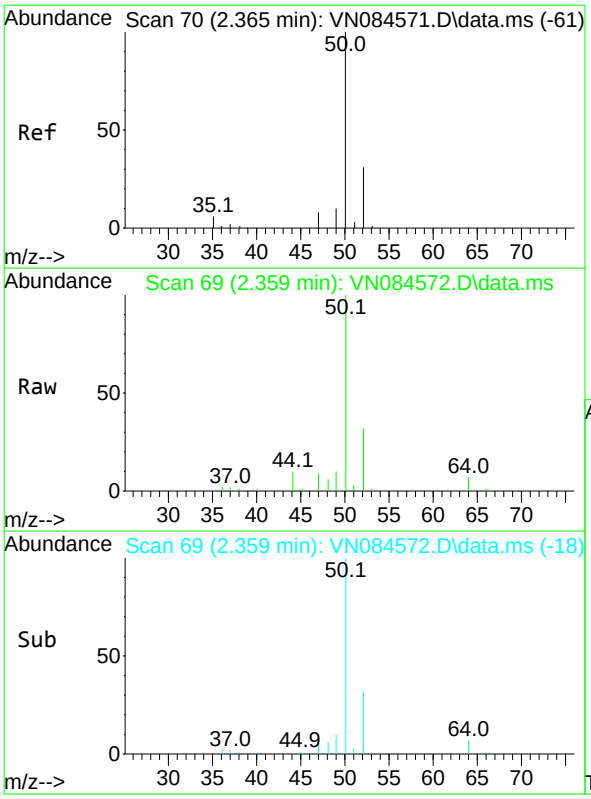


#2
Dichlorodifluoromethane
Concen: 19.219 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 85 Resp: 41443

Ion	Ratio	Lower	Upper
85	100		
87	34.8	17.6	52.9

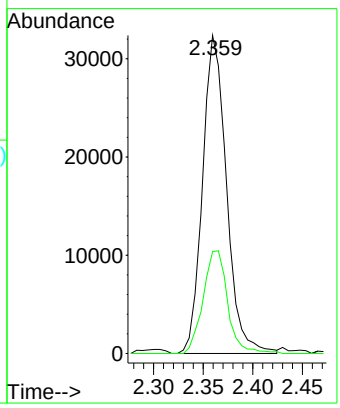




#3
Chloromethane
Concen: 19.993 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 50 Resp: 54414

Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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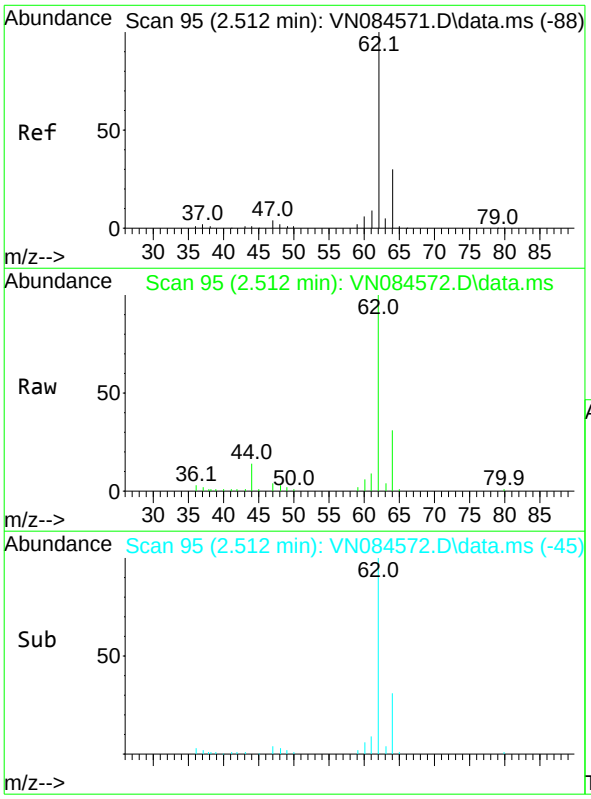
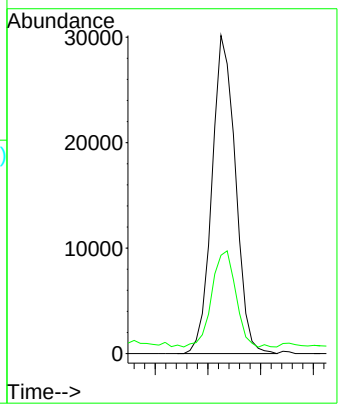
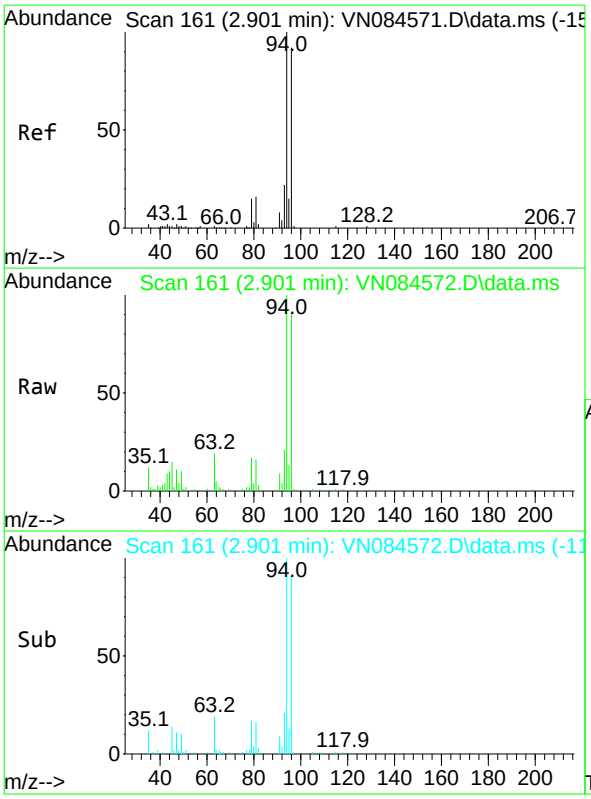


#4
Vinyl Chloride
Concen: 20.140 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 62 Resp: 46710

Ion	Ratio	Lower	Upper
62	100		
64	28.8	26.2	39.4

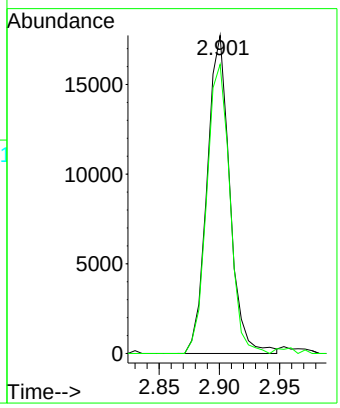




#5
Bromomethane
Concen: 18.916 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.052 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 94 Resp: 23244

Ion	Ratio	Lower	Upper
94	100		
96	90.9	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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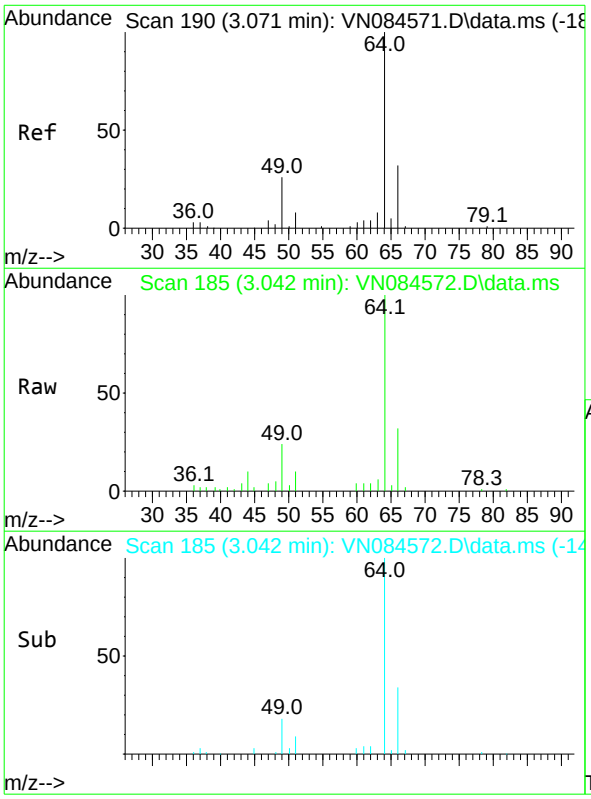
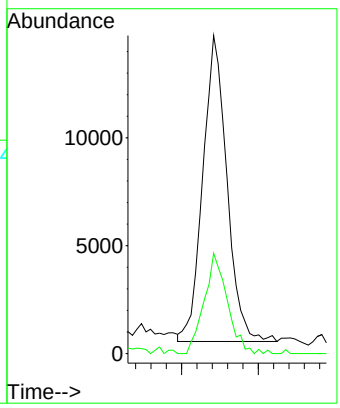
Supervised By :Mahesh Dadoda 11/04/2024

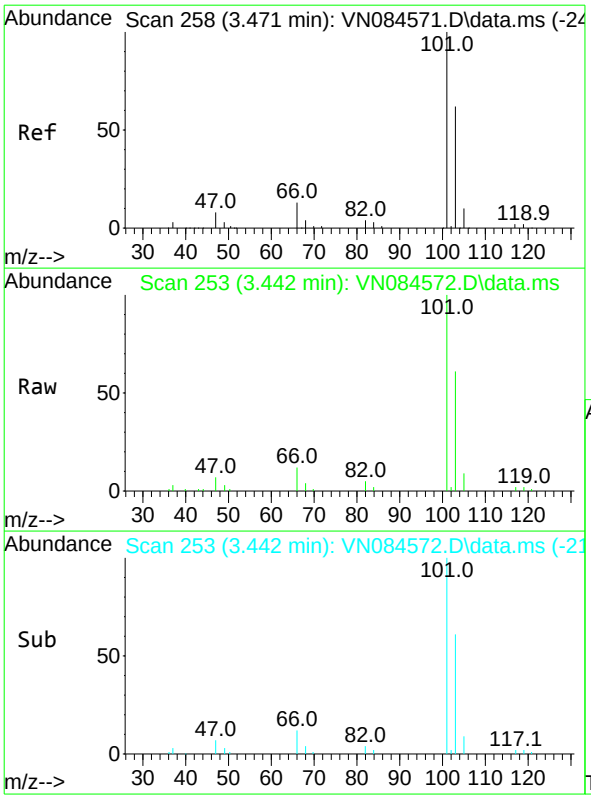


#6
Chloroethane
Concen: 20.772 ug/l
RT: 3.042 min Scan# 185
Delta R.T. -0.076 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 64 Resp: 30992

Ion	Ratio	Lower	Upper
64	100		
66	32.8	23.5	35.3

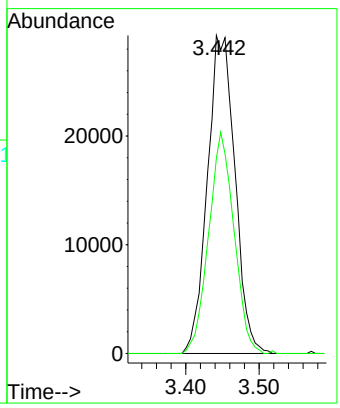




#7
Trichlorofluoromethane
Concen: 19.982 ug/l
RT: 3.442 min Scan# 25
Delta R.T. -0.053 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:101 Resp: 76339

Ion	Ratio	Lower	Upper
101	100		
103	61.4	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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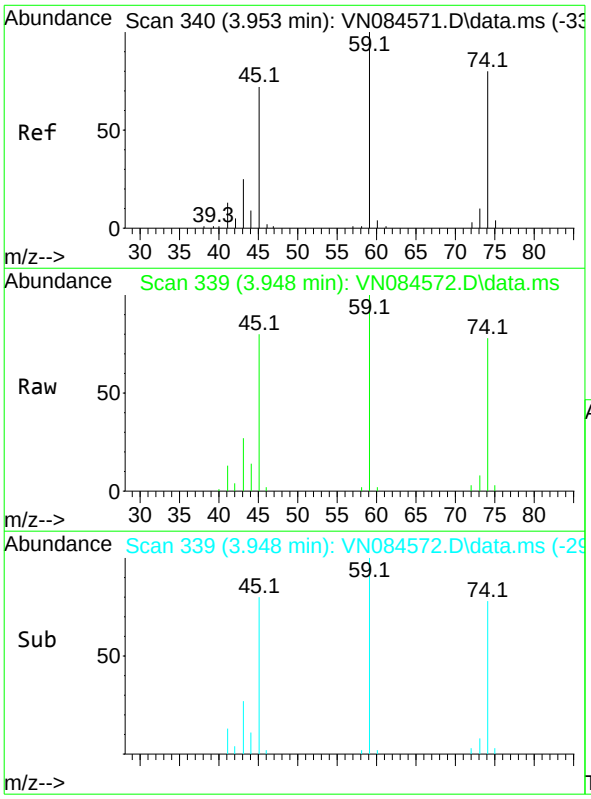
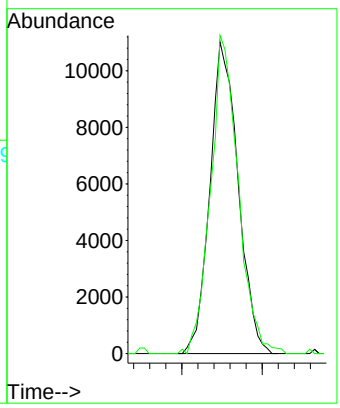
Supervised By :Mahesh Dadoda 11/04/2024

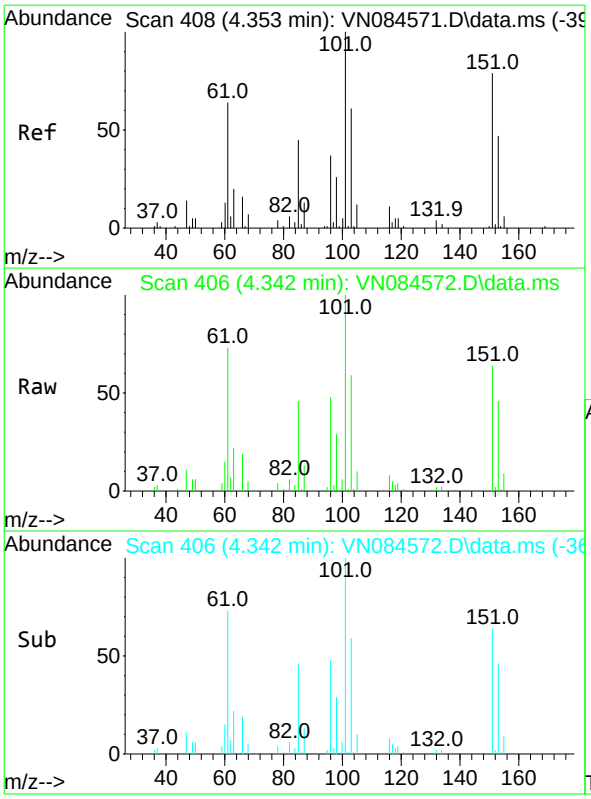


#8
Diethyl Ether
Concen: 19.963 ug/l
RT: 3.948 min Scan# 339
Delta R.T. -0.011 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 74 Resp: 26904

Ion	Ratio	Lower	Upper
74	100		
45	99.7	47.7	143.1

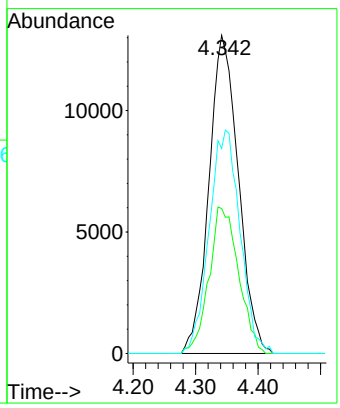




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.840 ug/l
RT: 4.342 min Scan# 40
Delta R.T. -0.029 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:101 Resp: 42830

Ion	Ratio	Lower	Upper
101	100		
85	46.4	36.2	54.4
151	73.6	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
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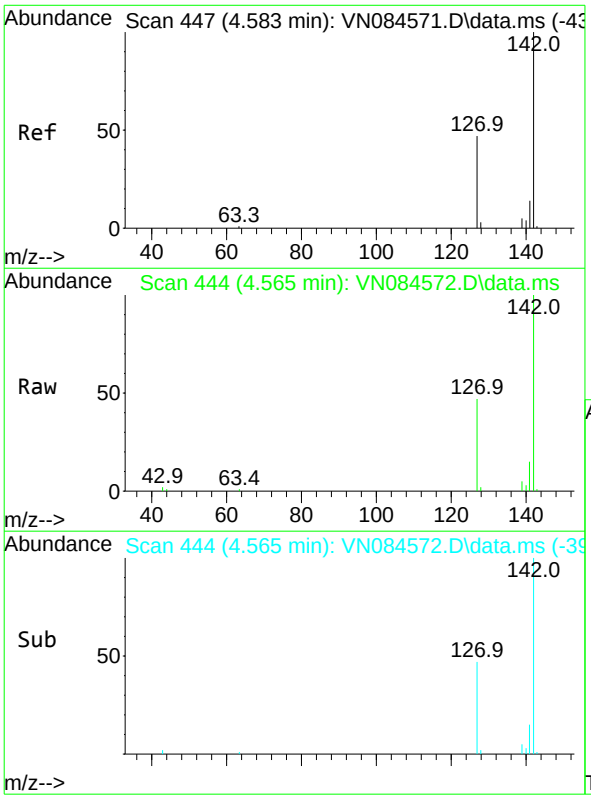
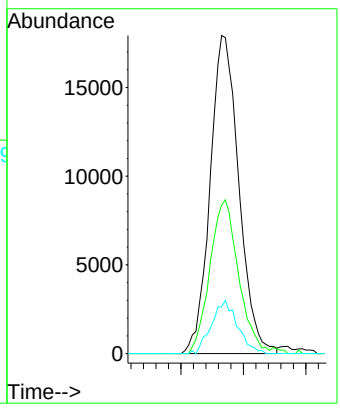
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

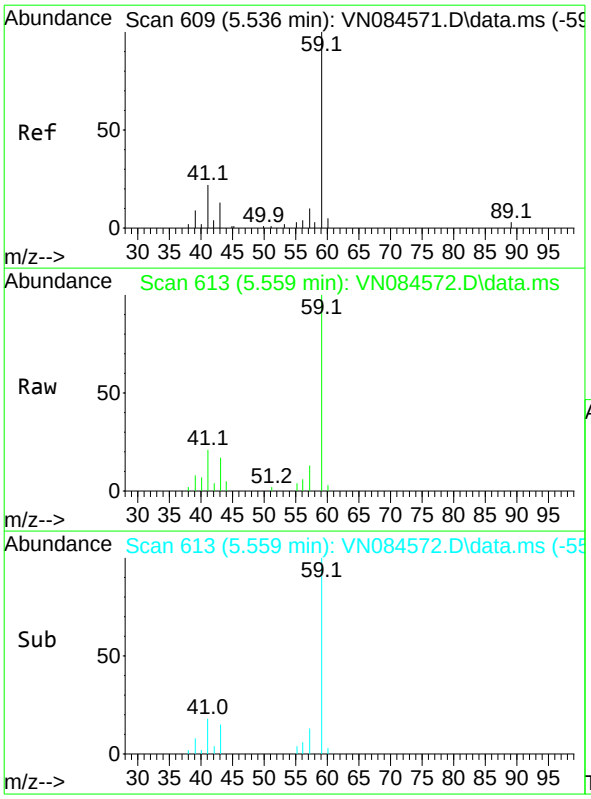


#10
Methyl Iodide
Concen: 19.865 ug/l
RT: 4.565 min Scan# 444
Delta R.T. -0.029 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:142 Resp: 57315

Ion	Ratio	Lower	Upper
142	100		
127	46.7	35.3	52.9
141	14.8	11.0	16.6

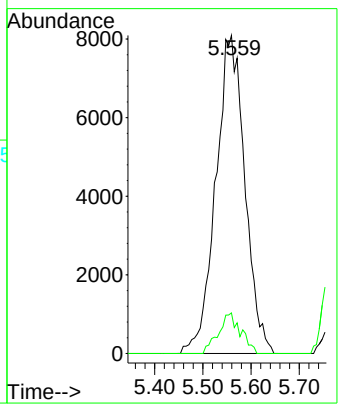




#11
Tert butyl alcohol
Concen: 94.871 ug/l
RT: 5.559 min Scan# 61
Delta R.T. 0.035 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 59 Resp: 33927

Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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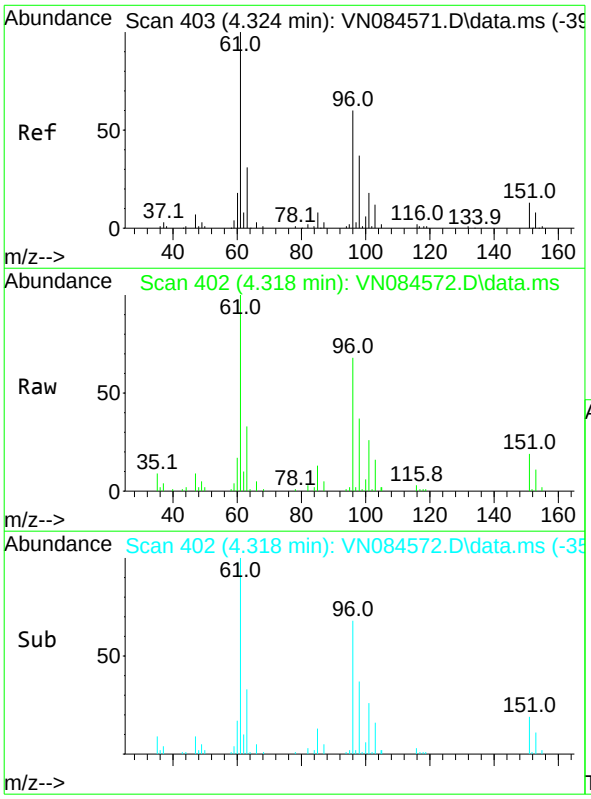
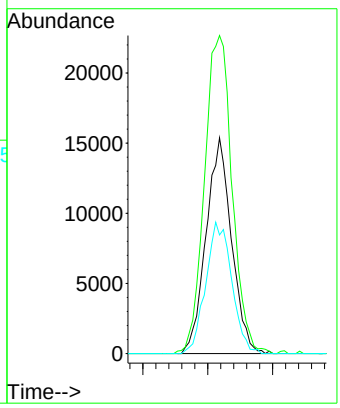
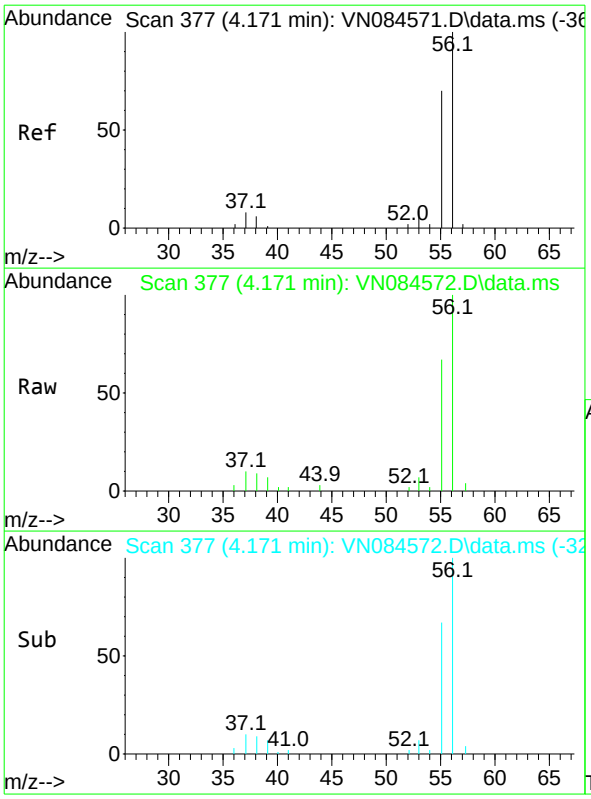


#12
1,1-Dichloroethene
Concen: 19.653 ug/l
RT: 4.318 min Scan# 402
Delta R.T. -0.023 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 96 Resp: 41980

Ion	Ratio	Lower	Upper
96	100		
61	147.4	128.6	192.8
98	55.0	51.7	77.5

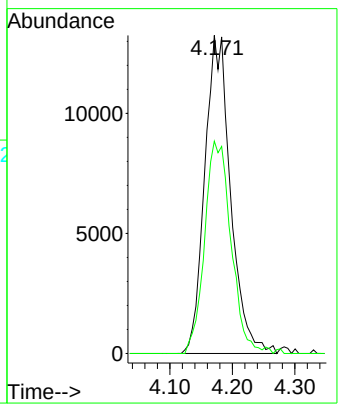




#13
Acrolein
Concen: 106.582 ug/l
RT: 4.171 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 56 Resp: 38007

Ion	Ratio	Lower	Upper
56	100		
55	68.4	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
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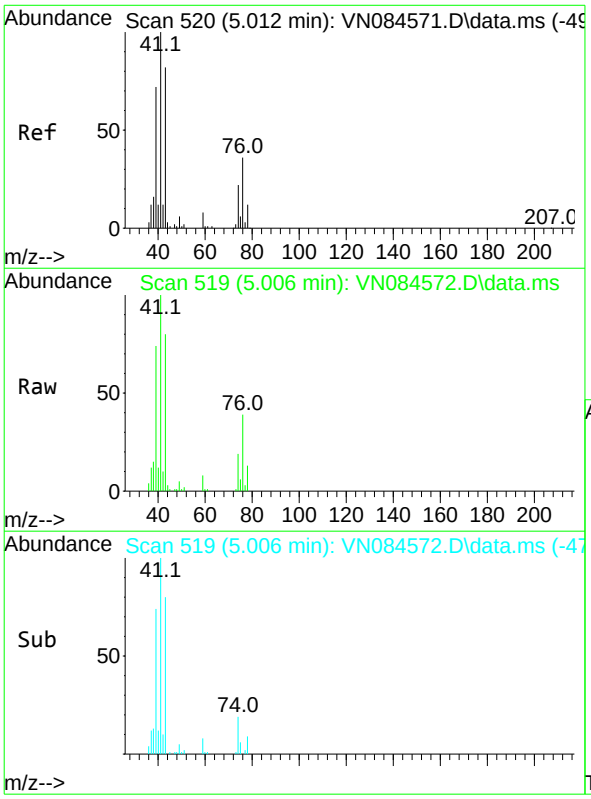
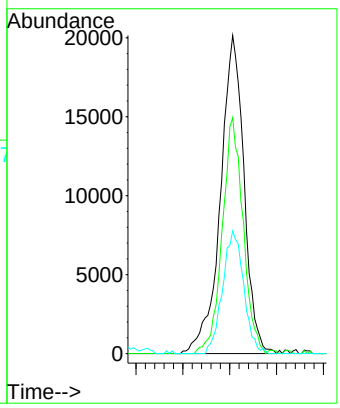
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

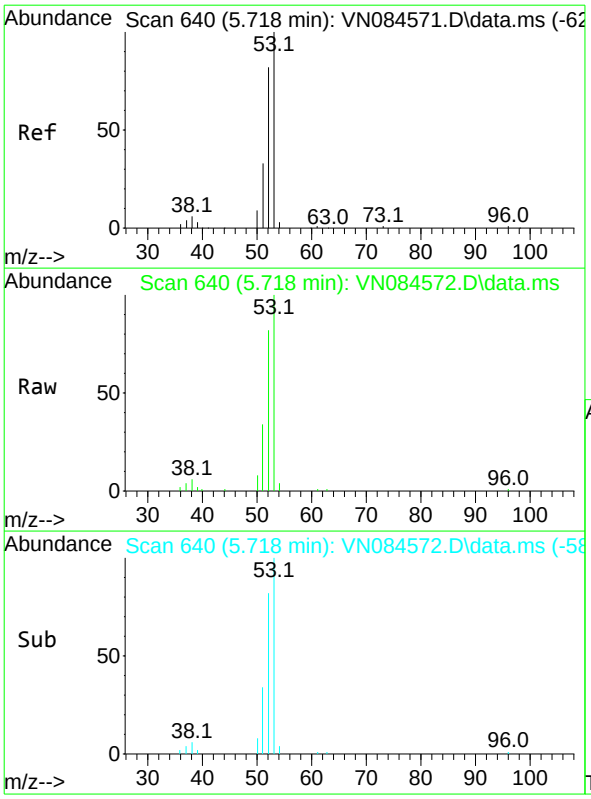


#14
Allyl chloride
Concen: 20.328 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.018 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 41 Resp: 70420

Ion	Ratio	Lower	Upper
41	100		
39	65.3	59.0	88.6
76	34.4	29.8	44.6

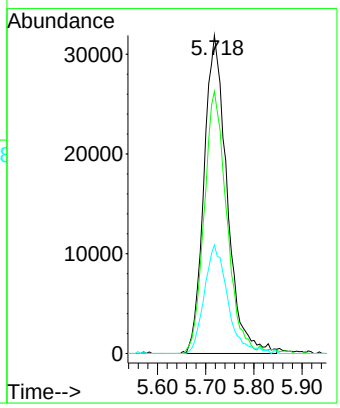




#15
Acrylonitrile
Concen: 102.304 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 53 Resp: 105912

Ion	Ratio	Lower	Upper
53	100		
52	80.3	66.2	99.4
51	34.7	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
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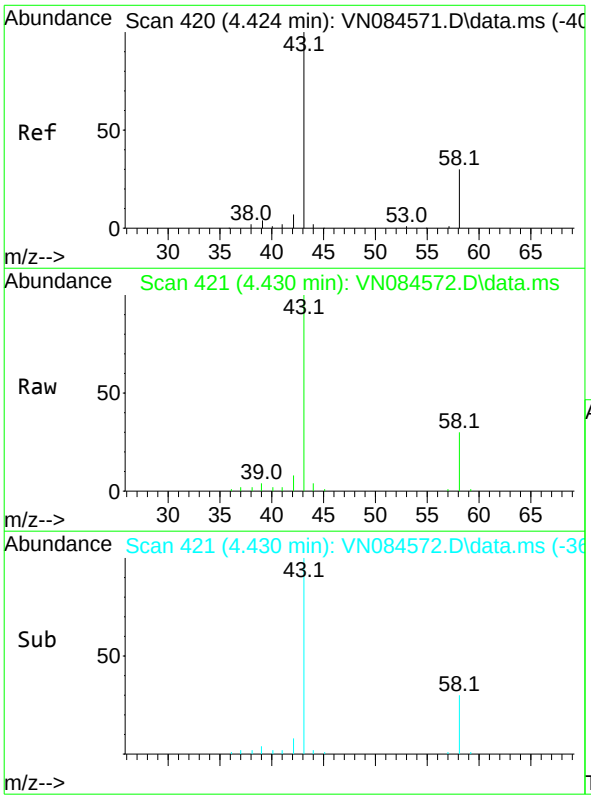
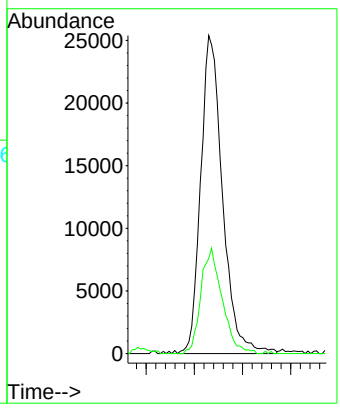
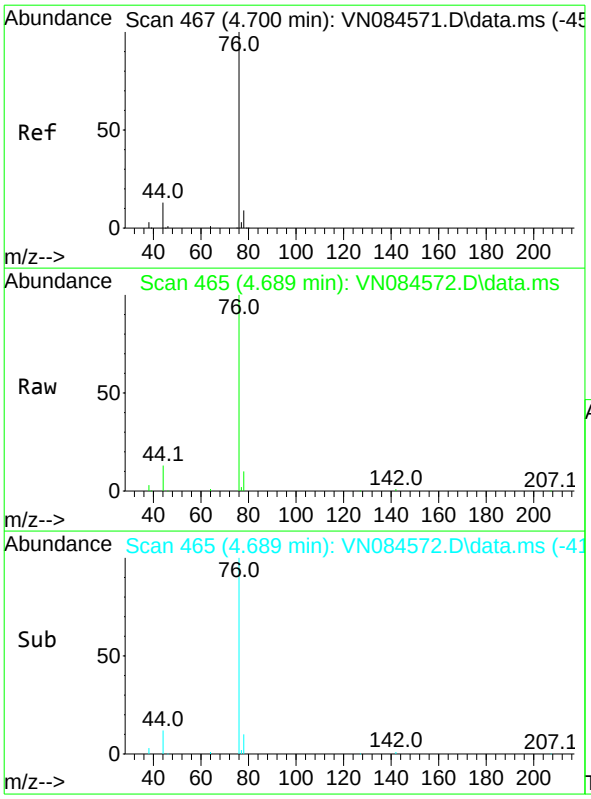


#16
Acetone
Concen: 100.481 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 43 Resp: 79971

Ion	Ratio	Lower	Upper
43	100		
58	29.9	24.4	36.6

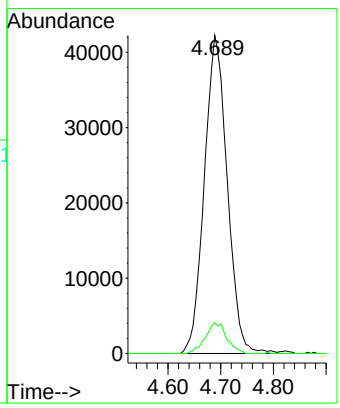




#17
Carbon Disulfide
Concen: 19.385 ug/l
RT: 4.689 min Scan# 46
Delta R.T. -0.023 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 76 Resp: 127521

Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.3	10.9



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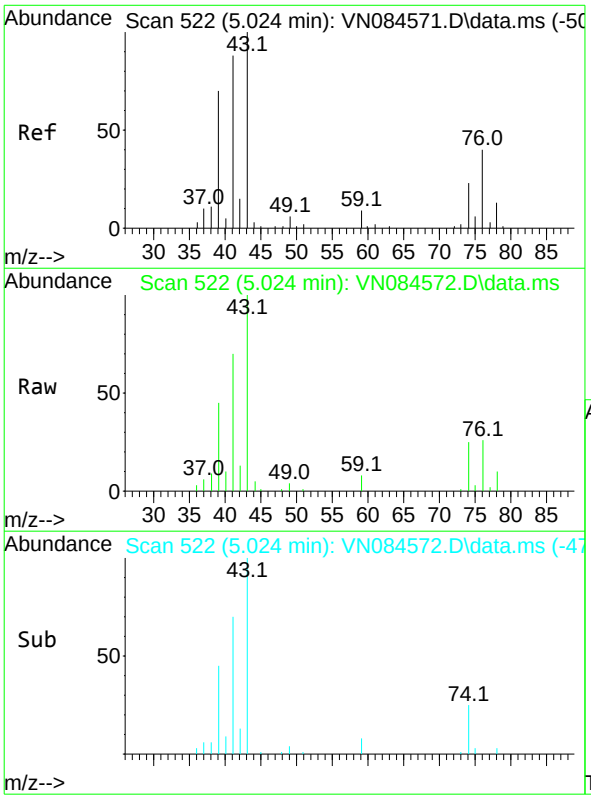
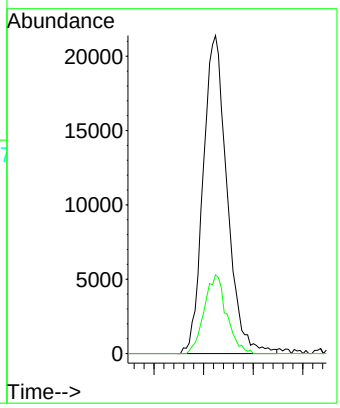
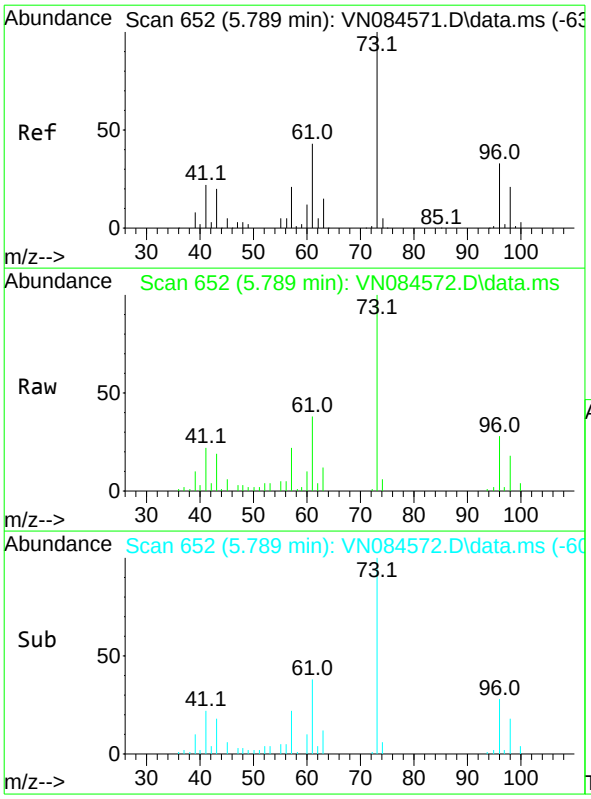


#18
Methyl Acetate
Concen: 22.882 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 43 Resp: 71604

Ion	Ratio	Lower	Upper
43	100		
74	23.1	19.2	28.8

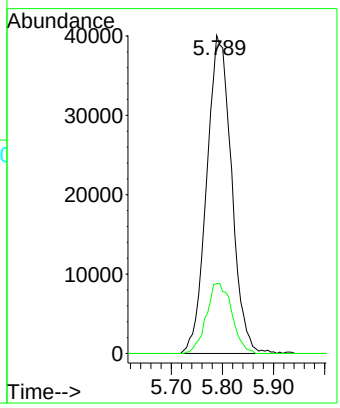




#19
Methyl tert-butyl Ether
Concen: 20.645 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 73 Resp: 135170

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.7	26.5



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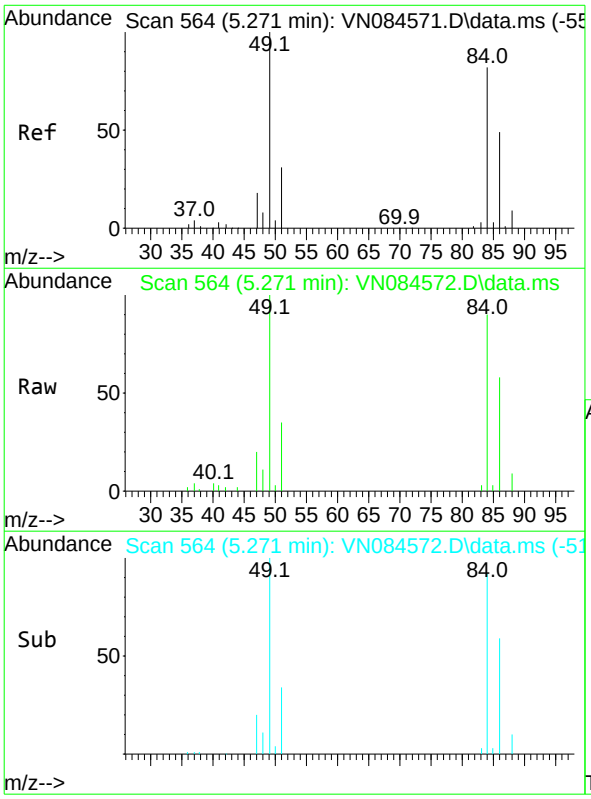
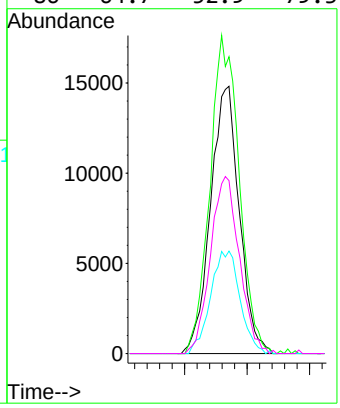
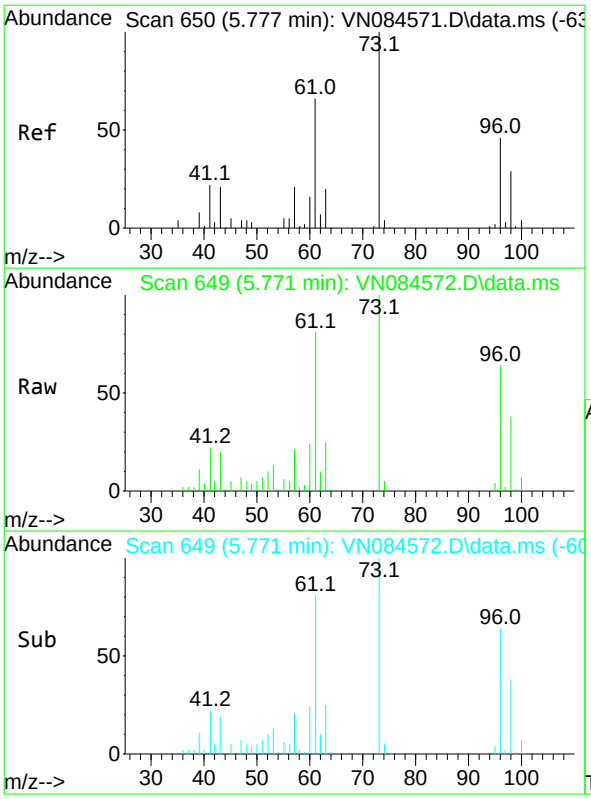


#20
Methylene Chloride
Concen: 19.921 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 84 Resp: 47467

Ion	Ratio	Lower	Upper
84	100		
49	111.0	107.2	160.8
51	38.3	31.8	47.8
86	64.7	52.9	79.3

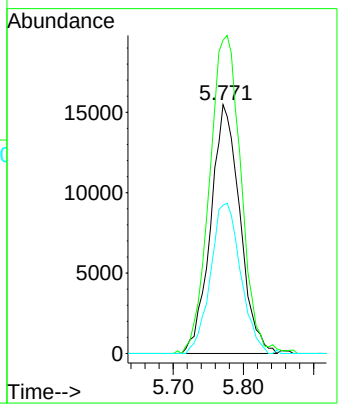




#21
trans-1,2-Dichloroethene
Concen: 20.378 ug/l
RT: 5.771 min Scan# 64
Delta R.T. -0.018 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 96 Resp: 44697

Ion	Ratio	Lower	Upper
96	100		
61	124.8	108.4	162.6
98	59.6	49.8	74.8



Instrument :
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ClientSampleId :
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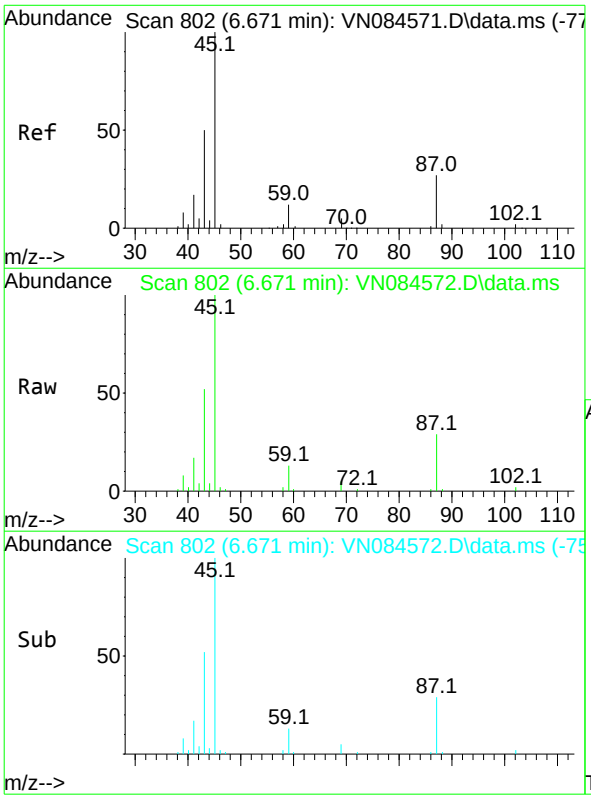
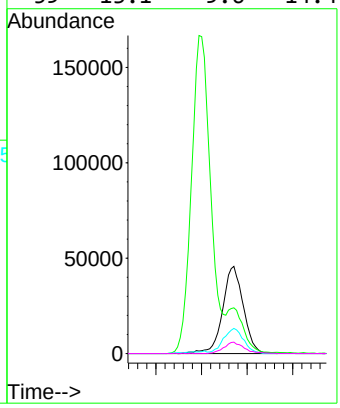
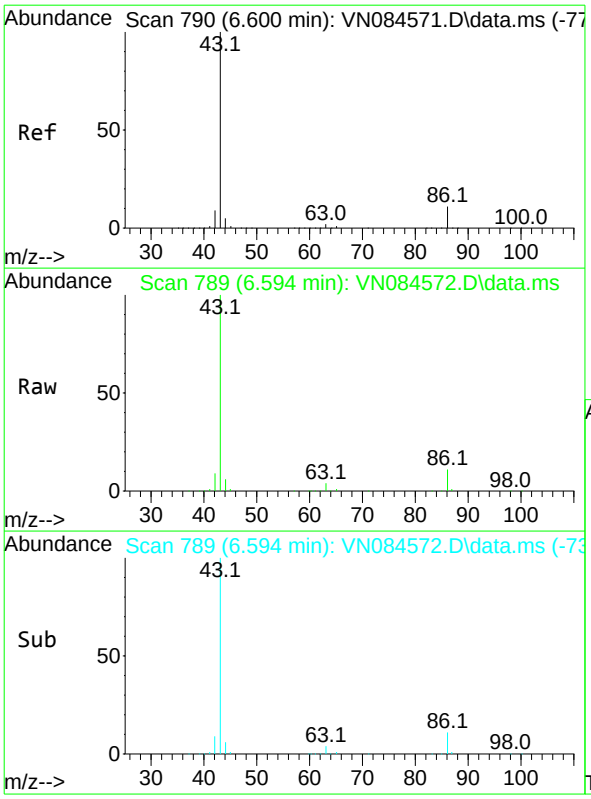


#22
Diisopropyl ether
Concen: 20.937 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 45 Resp: 144115

Ion	Ratio	Lower	Upper
45	100		
43	51.0	42.3	63.5
87	28.9	21.8	32.6
59	13.1	9.6	14.4

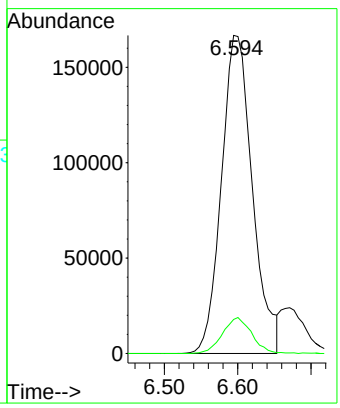




#23
Vinyl Acetate
Concen: 103.232 ug/l
RT: 6.594 min Scan# 78
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 43 Resp: 490034

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
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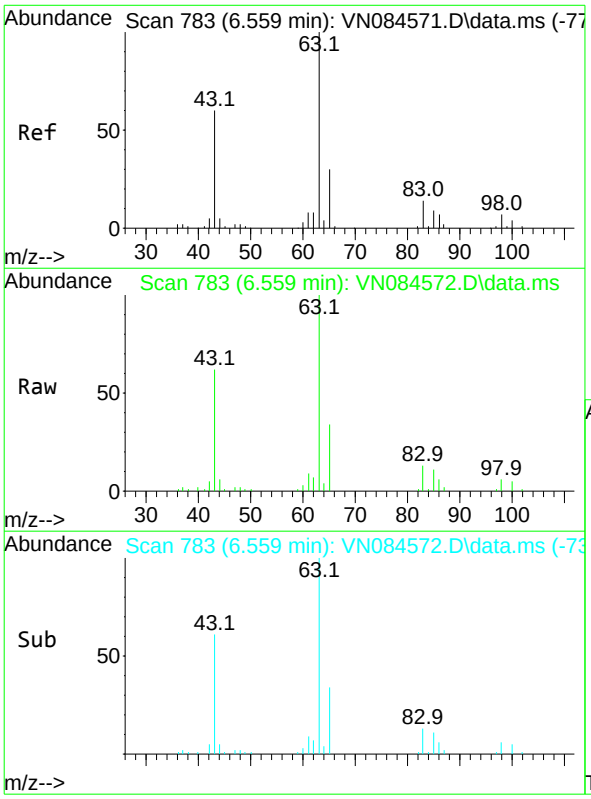
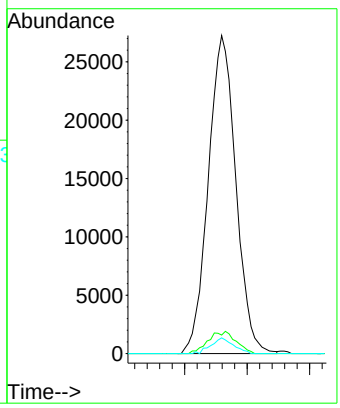
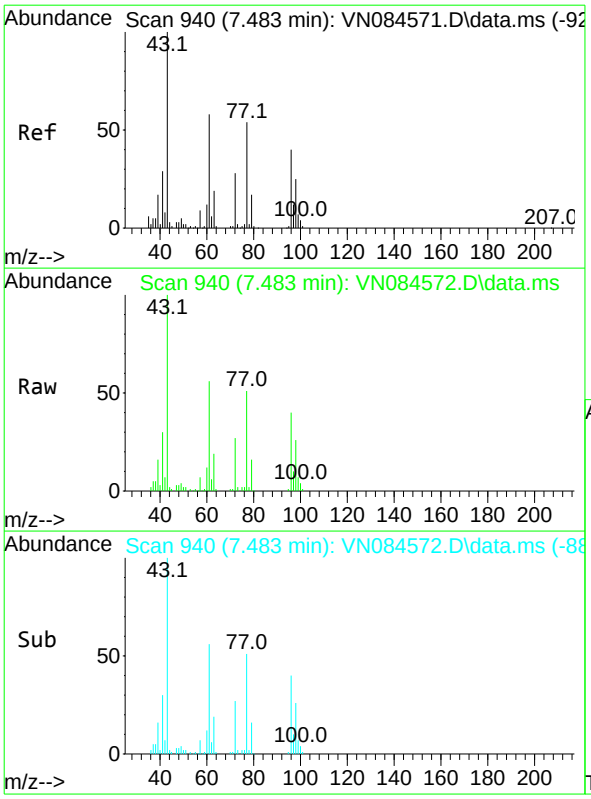


#24
1,1-Dichloroethane
Concen: 20.218 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 63 Resp: 83555

Ion	Ratio	Lower	Upper
63	100		
98	5.8	3.4	10.2
100	4.9	2.0	5.8

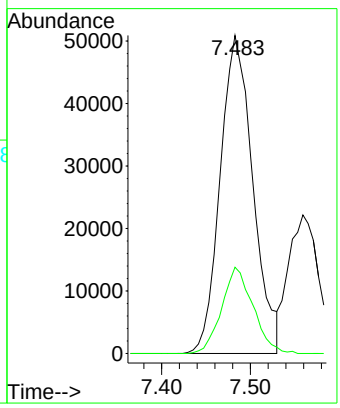




#25
2-Butanone
Concen: 103.281 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 43 Resp: 130541

Ion	Ratio	Lower	Upper
43	100		
72	27.1	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
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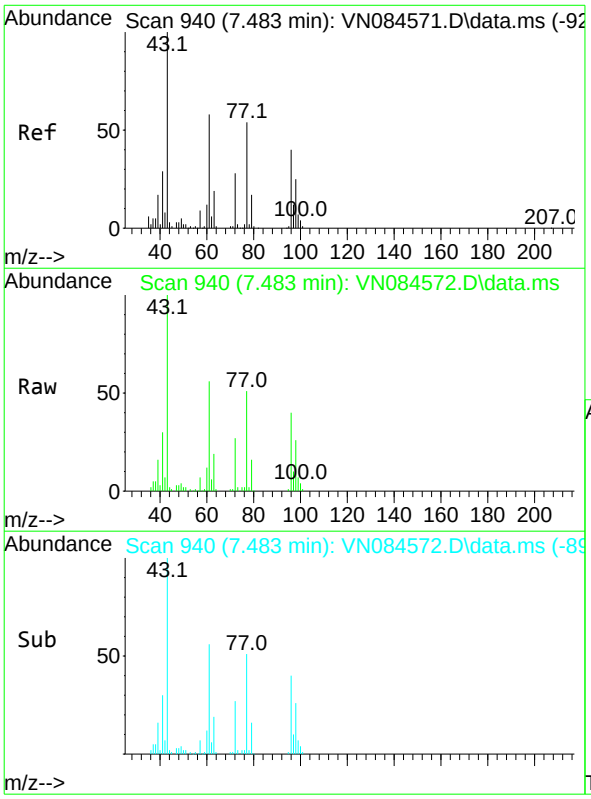
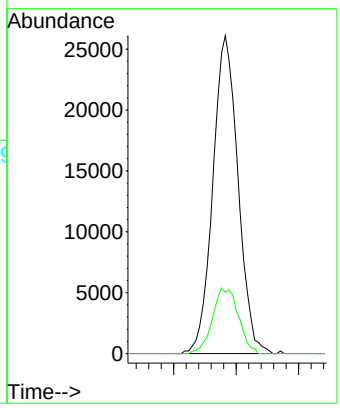
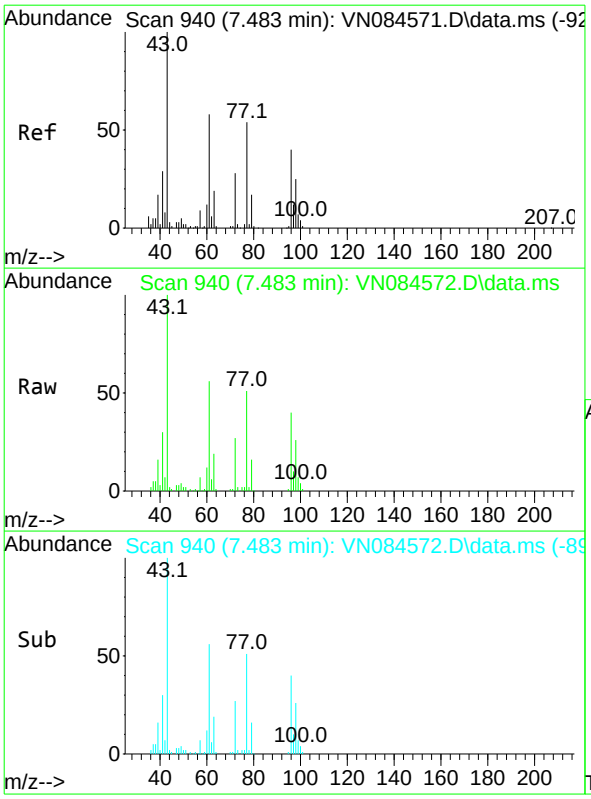


#26
2,2-Dichloropropane
Concen: 20.313 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 77 Resp: 73066

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.8	32.3

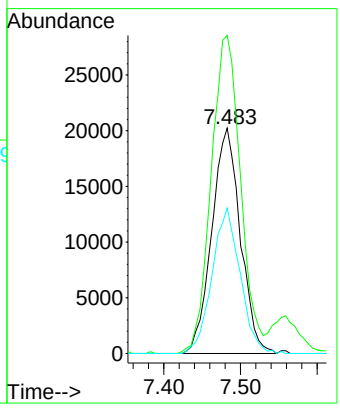




#27
cis-1,2-Dichloroethene
Concen: 20.412 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 96 Resp: 52279

Ion	Ratio	Lower	Upper
96	100		
61	145.3	0.0	301.8
98	63.6	0.0	128.2



Instrument :
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ClientSampleId :
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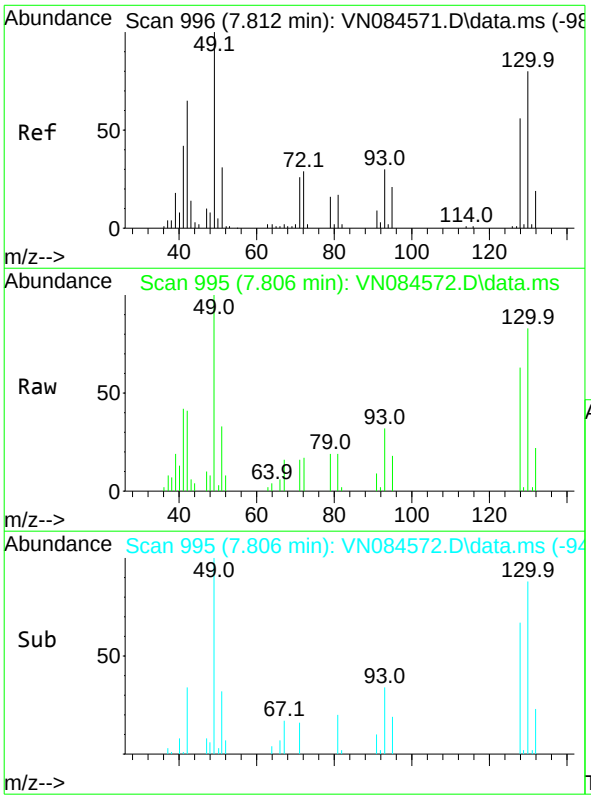
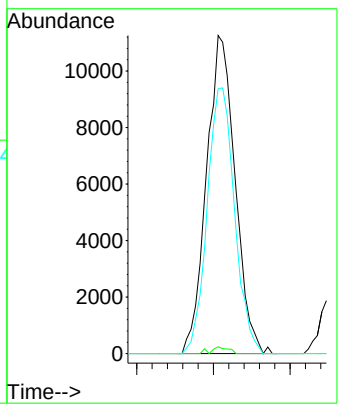
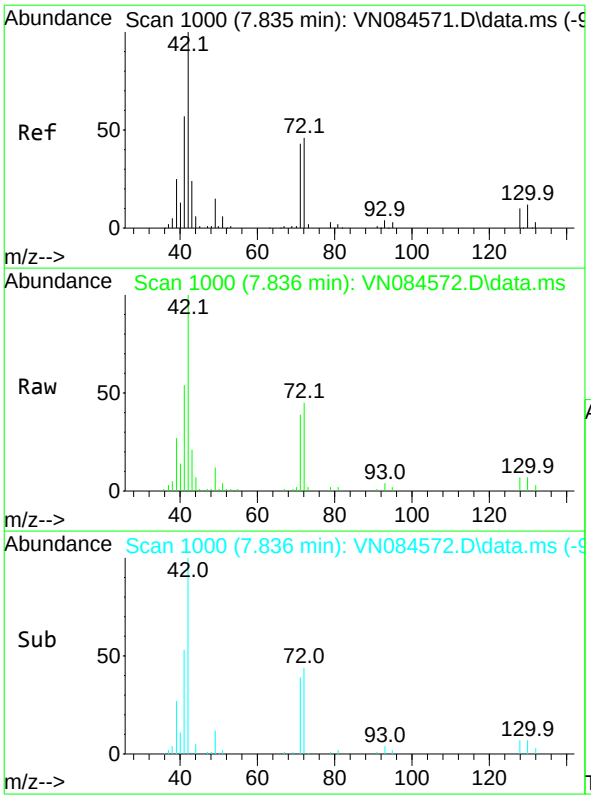


#28
Bromochloromethane
Concen: 17.702 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 49 Resp: 29146

Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.6
130	79.9	58.0	87.0

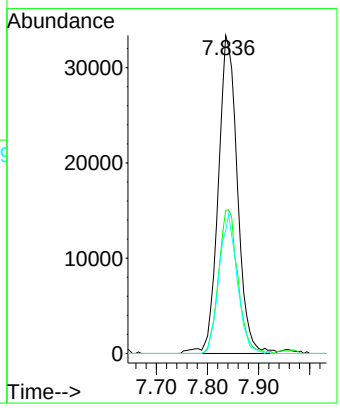




#29
Tetrahydrofuran
Concen: 103.560 ug/l
RT: 7.836 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 42 Resp: 86837

Ion	Ratio	Lower	Upper
42	100		
72	45.4	34.6	51.8
71	41.5	32.2	48.4



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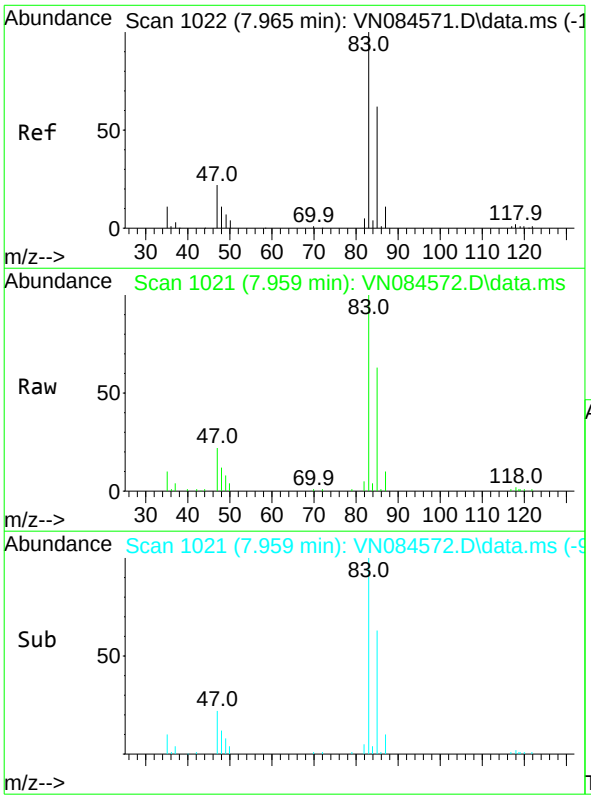
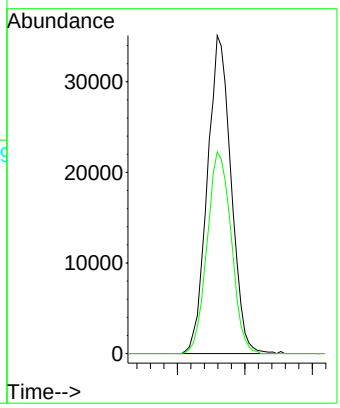
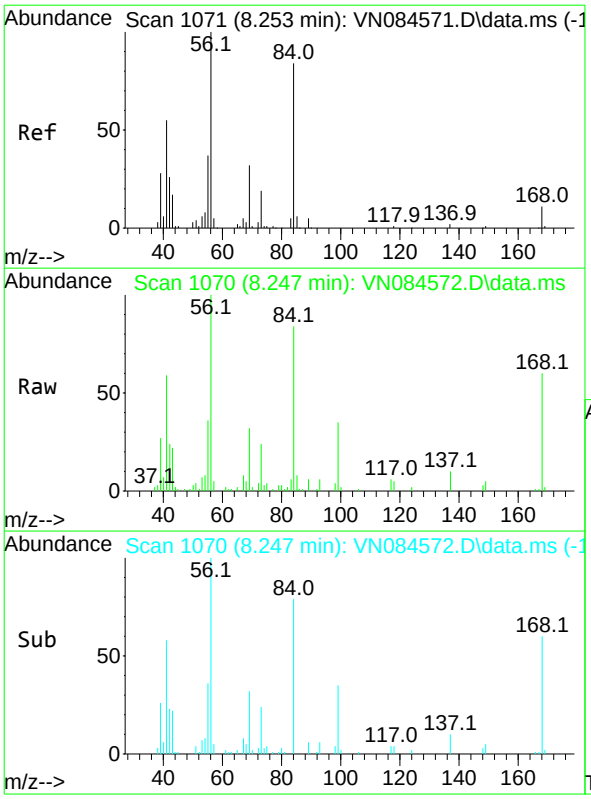


#30
Chloroform
Concen: 20.368 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 83 Resp: 85675

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.0	76.4

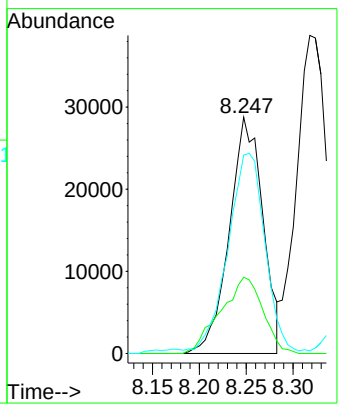




#31
Cyclohexane
Concen: 19.169 ug/l
RT: 8.247 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 56 Resp: 71698

Ion	Ratio	Lower	Upper
56	100		
69	32.3	23.8	35.6
84	82.2	68.8	103.2



Instrument :
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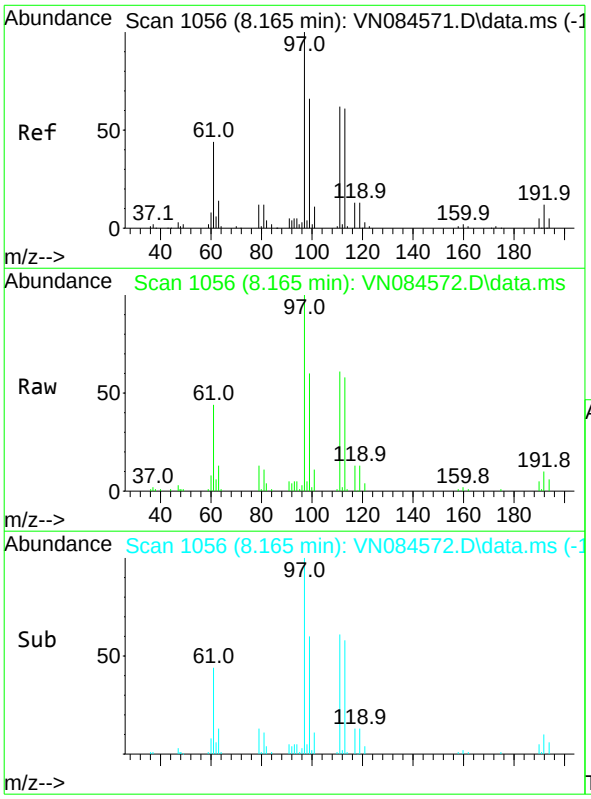
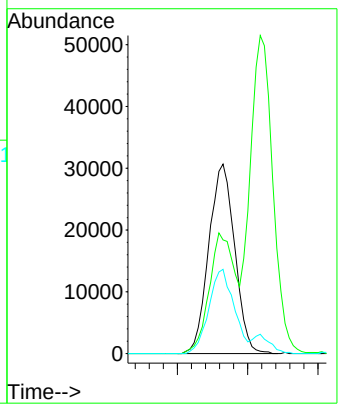
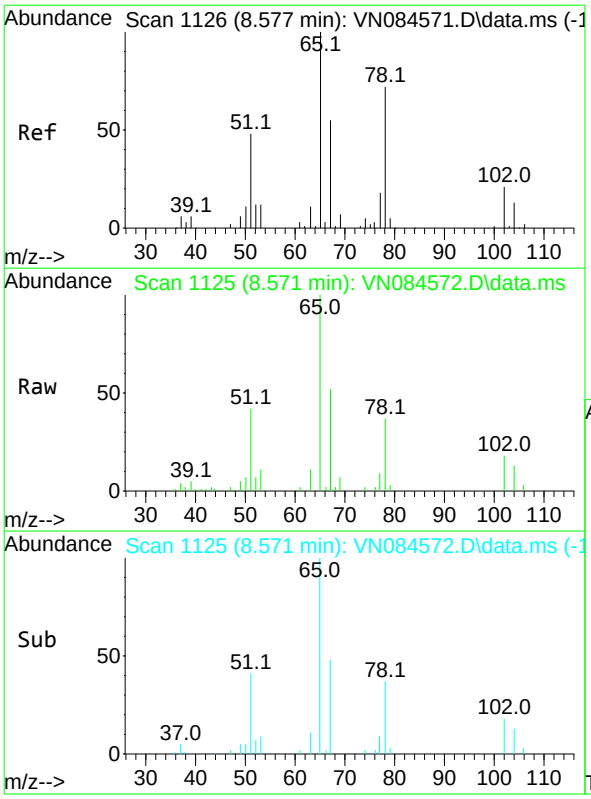


#32
1,1,1-Trichloroethane
Concen: 20.493 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 97 Resp: 78458

Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.2	76.8
61	43.3	37.5	56.3

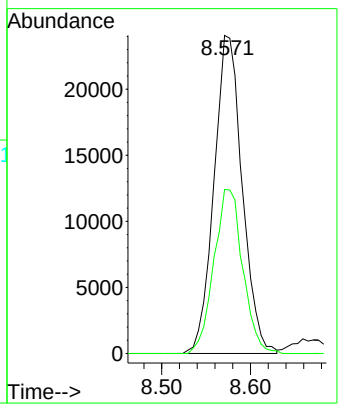




#33
1,2-Dichloroethane-d4
Concen: 19.600 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 65 Resp: 53102

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	102.0



Instrument :
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ClientSampleId :
VSTDICC020

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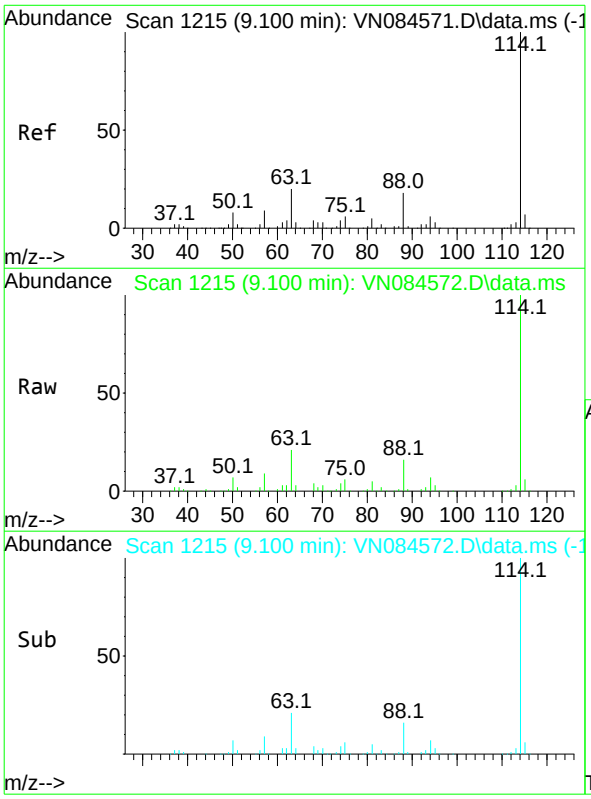
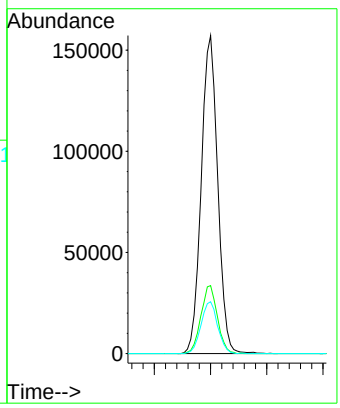
Supervised By :Mahesh Dadoda 11/04/2024

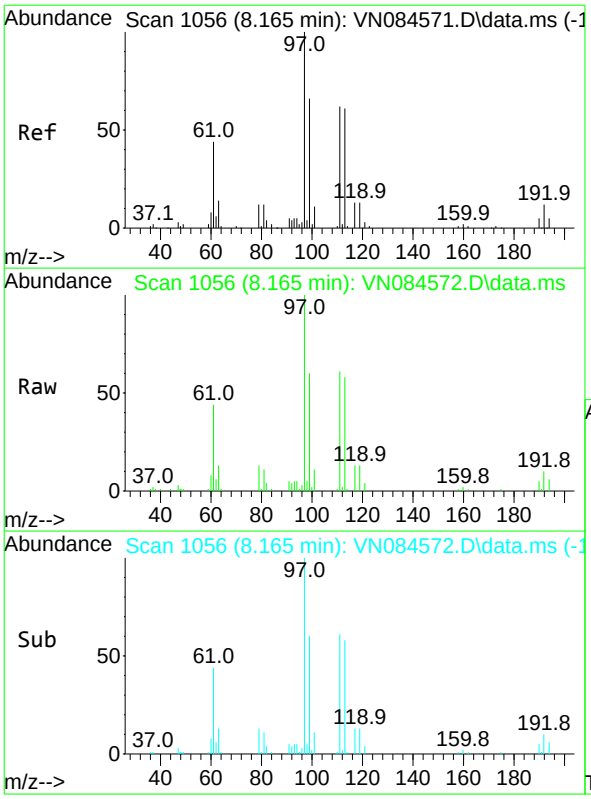


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:114 Resp: 319890

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.8
88	16.3	0.0	31.6

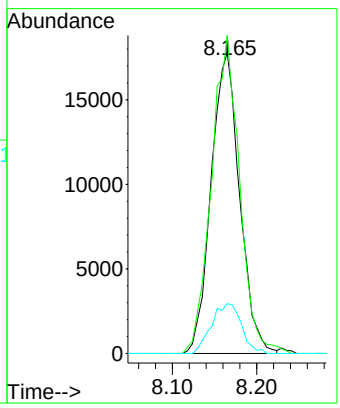




#35
Dibromofluoromethane
Concen: 19.252 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:113 Resp: 41686

Ion	Ratio	Lower	Upper
113	100		
111	105.0	83.3	124.9
192	17.4	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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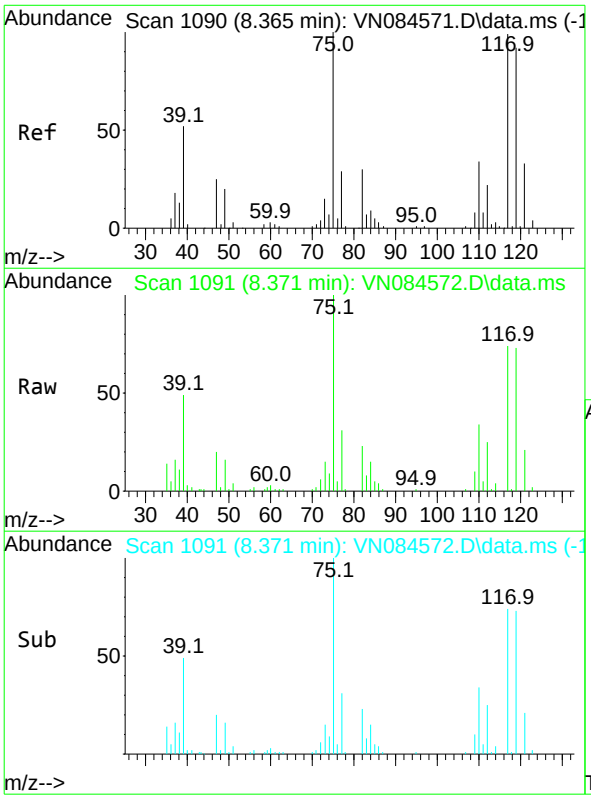
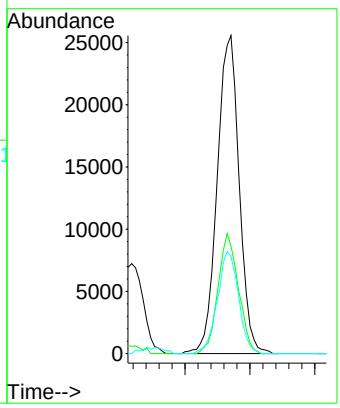
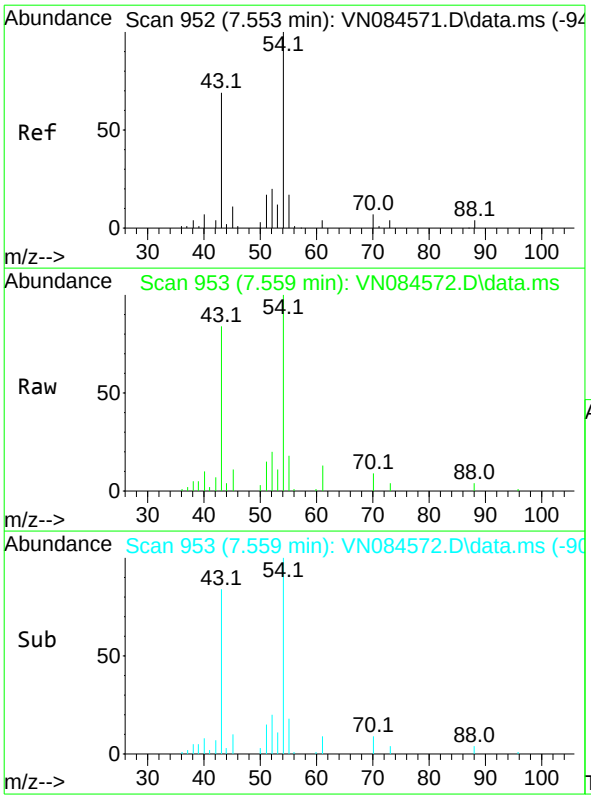


#36
1,1-Dichloropropene
Concen: 20.050 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 75 Resp: 60208

Ion	Ratio	Lower	Upper
75	100		
110	34.9	16.9	50.7
77	30.9	24.7	37.1

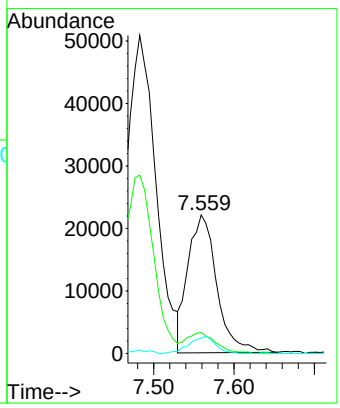




#37
Ethyl Acetate
Concen: 20.165 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 43 Resp: 54942

Ion	Ratio	Lower	Upper
43	100		
61	15.7	10.7	16.1
70	11.2	8.8	13.2



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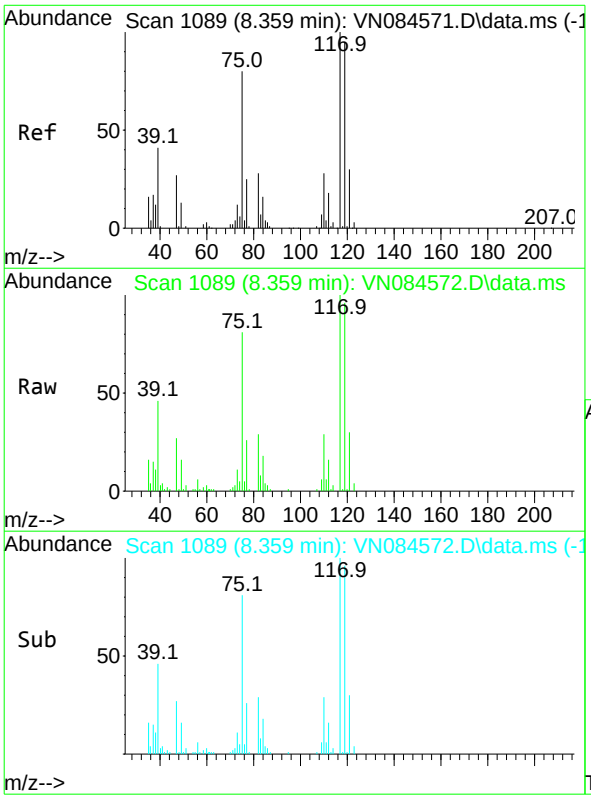
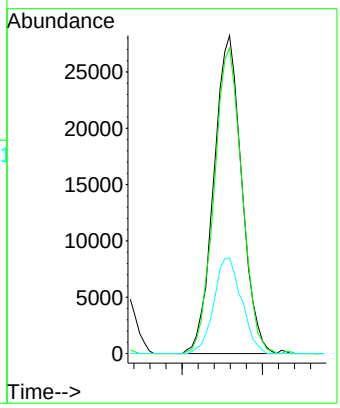
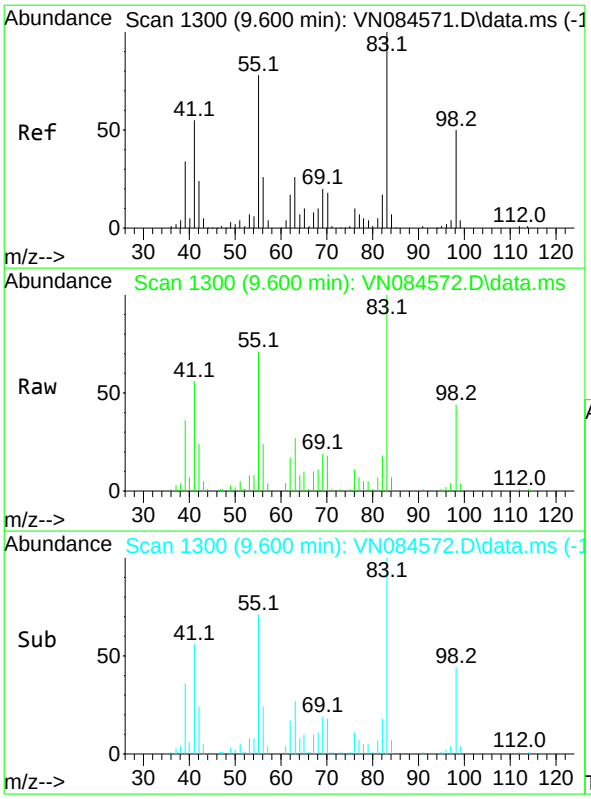


#38
Carbon Tetrachloride
Concen: 20.282 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:117 Resp: 68076

Ion	Ratio	Lower	Upper
117	100		
119	96.1	78.7	118.1
121	30.1	24.4	36.6

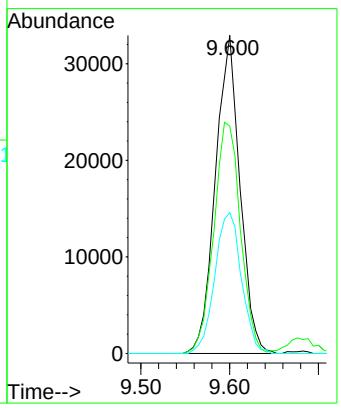




#39
Methylcyclohexane
Concen: 20.722 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 83 Resp: 63305

Ion	Ratio	Lower	Upper
83	100		
55	71.5	62.8	94.2
98	44.3	38.8	58.2



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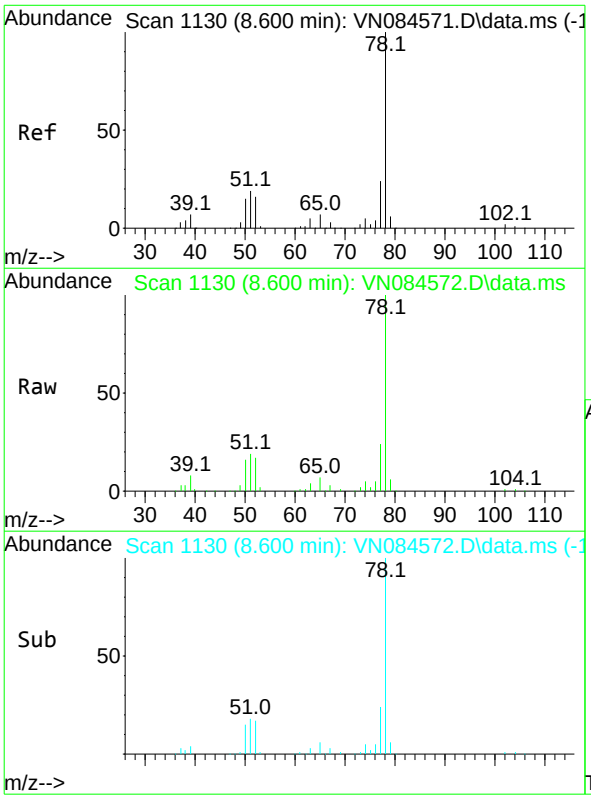
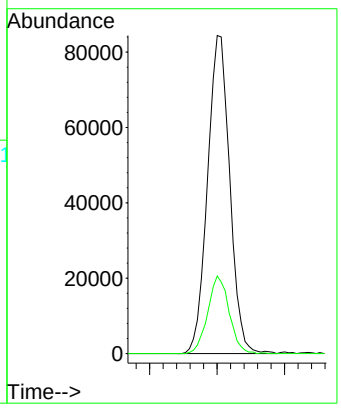
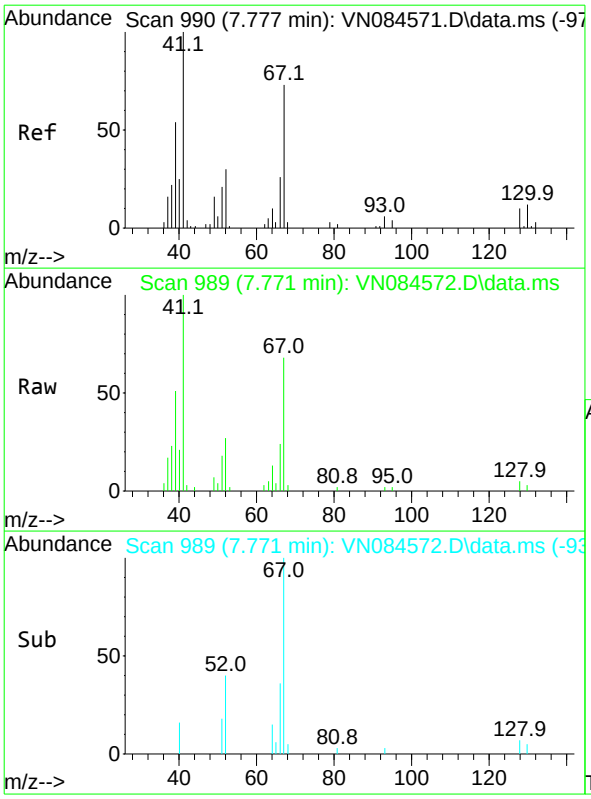


#40
Benzene
Concen: 20.026 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 78 Resp: 193129

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.1	28.7

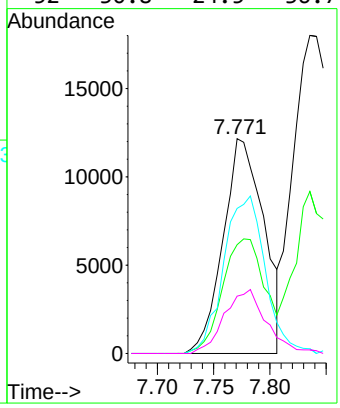




#41
Methacrylonitrile
Concen: 20.882 ug/l
RT: 7.771 min Scan# 98
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 41 Resp: 30596

Ion	Ratio	Lower	Upper
41	100		
39	55.5	43.3	64.9
67	74.5	56.1	84.1
52	30.8	24.5	36.7



Instrument :
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ClientSampleId :
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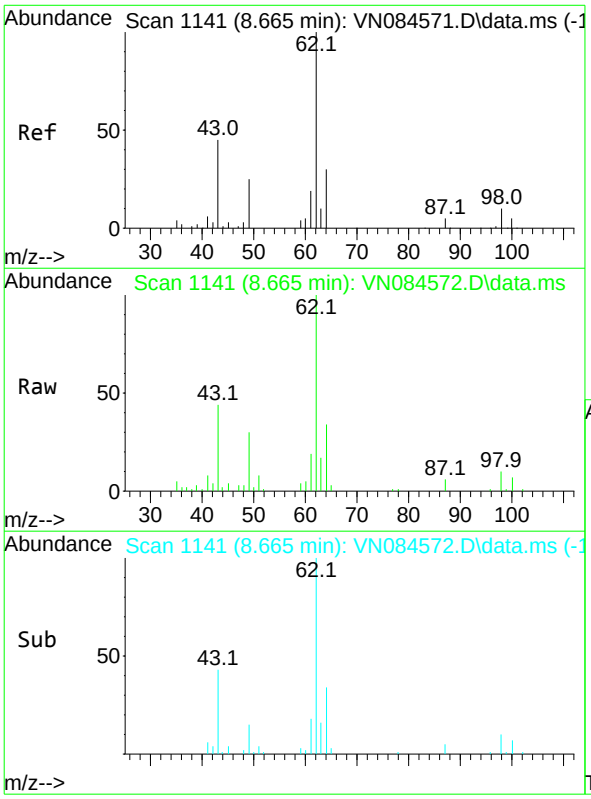
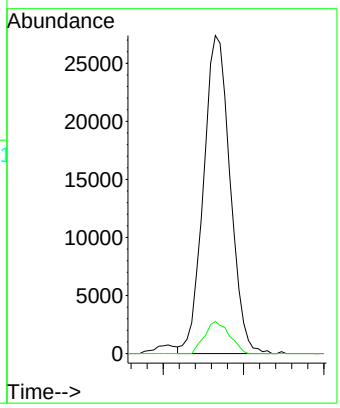
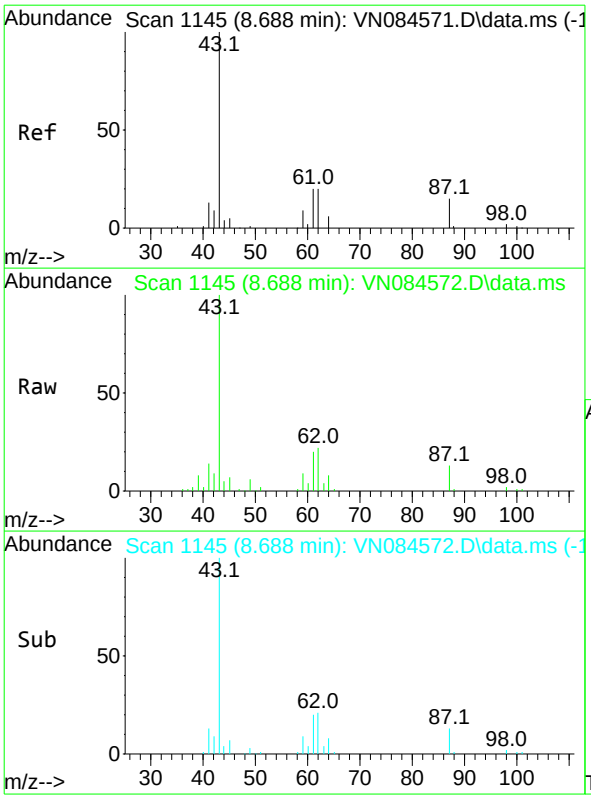


#42
1,2-Dichloroethane
Concen: 20.180 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 62 Resp: 63026

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.2

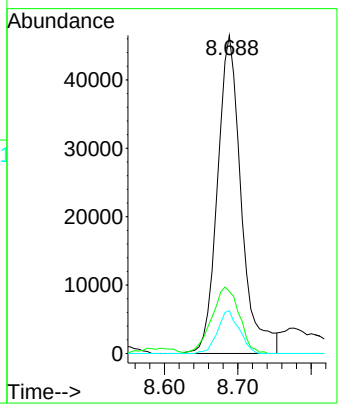




#43
Isopropyl Acetate
Concen: 20.277 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 43 Resp: 104951

Ion	Ratio	Lower	Upper
43	100		
61	24.2	20.4	30.6
87	12.1	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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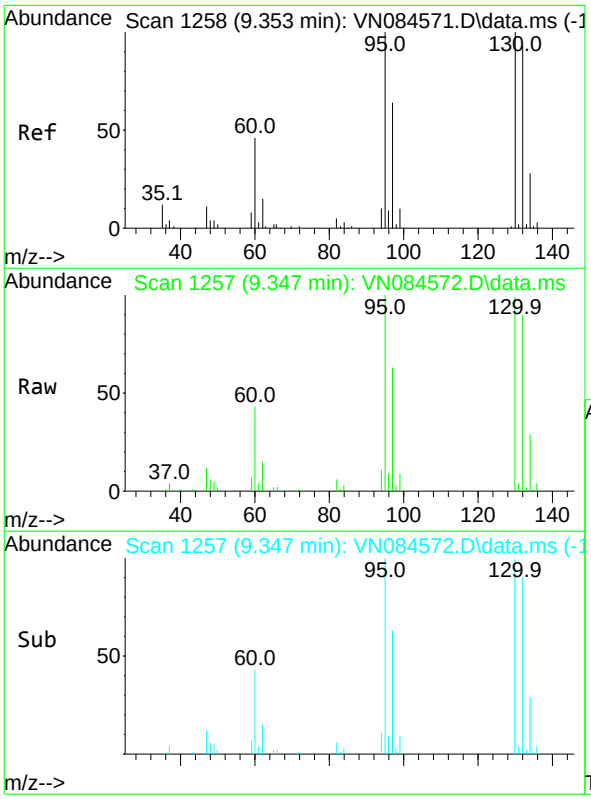
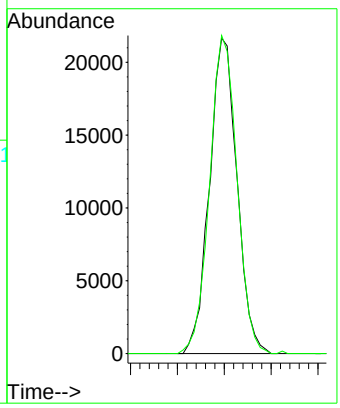
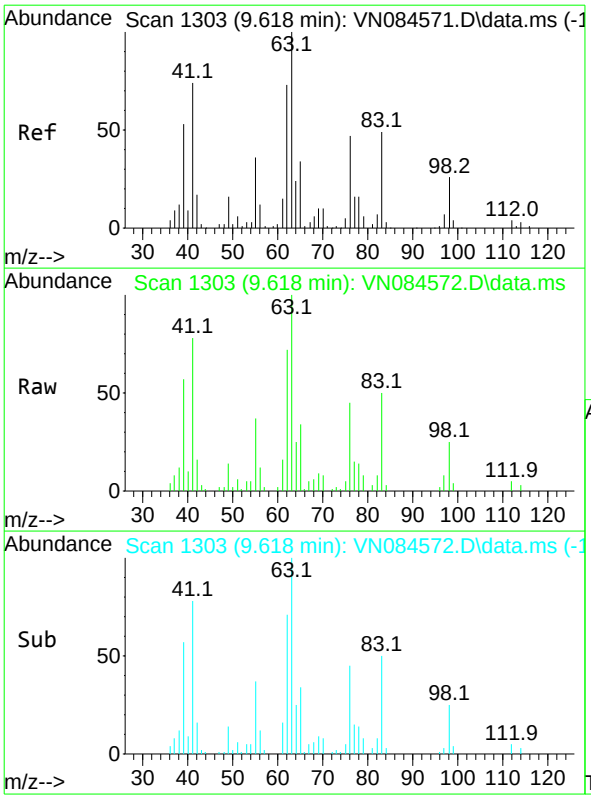


#44
Trichloroethene
Concen: 19.862 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:130 Resp: 44176

Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	203.0

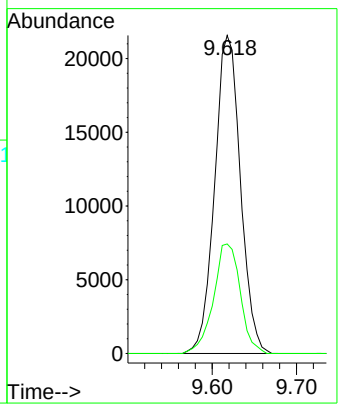




#45
1,2-Dichloropropane
Concen: 20.229 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 63 Resp: 45764

Ion	Ratio	Lower	Upper
63	100		
65	34.4	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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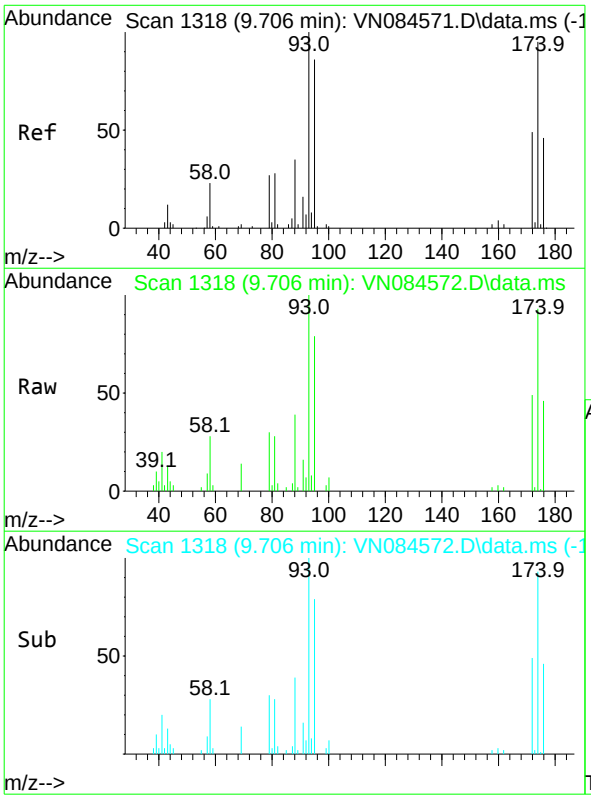
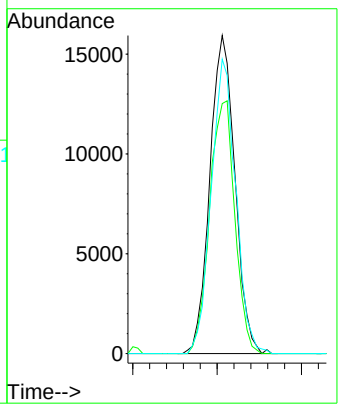
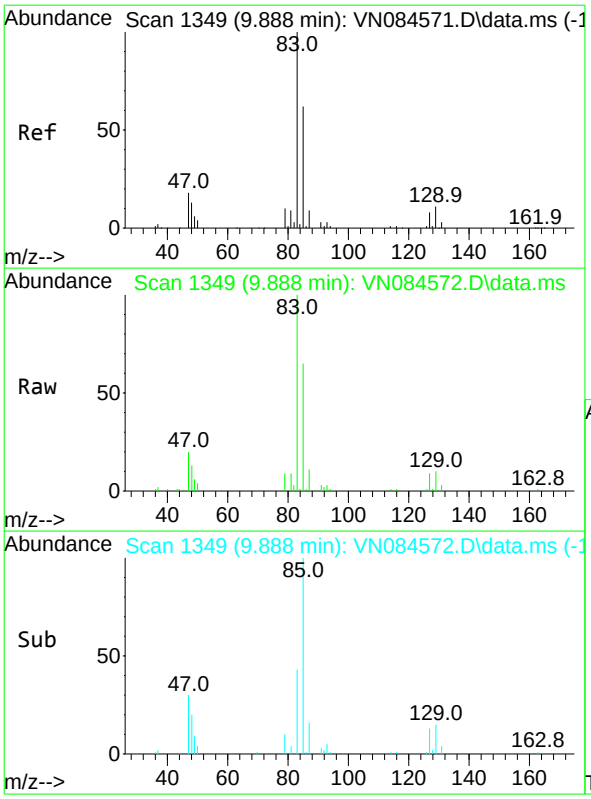


#46
Dibromomethane
Concen: 20.583 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 93 Resp: 32857

Ion	Ratio	Lower	Upper
93	100		
95	79.9	65.0	97.4
174	90.6	71.8	107.8

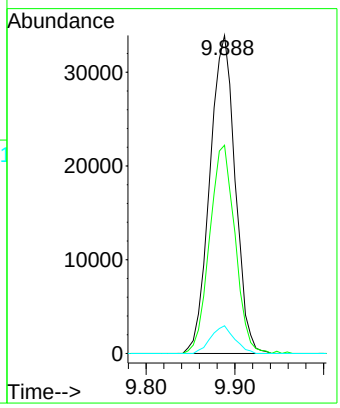




#47
Bromodichloromethane
Concen: 19.997 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 83 Resp: 67288

Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.5	77.3
127	8.7	5.7	8.5#



Instrument :
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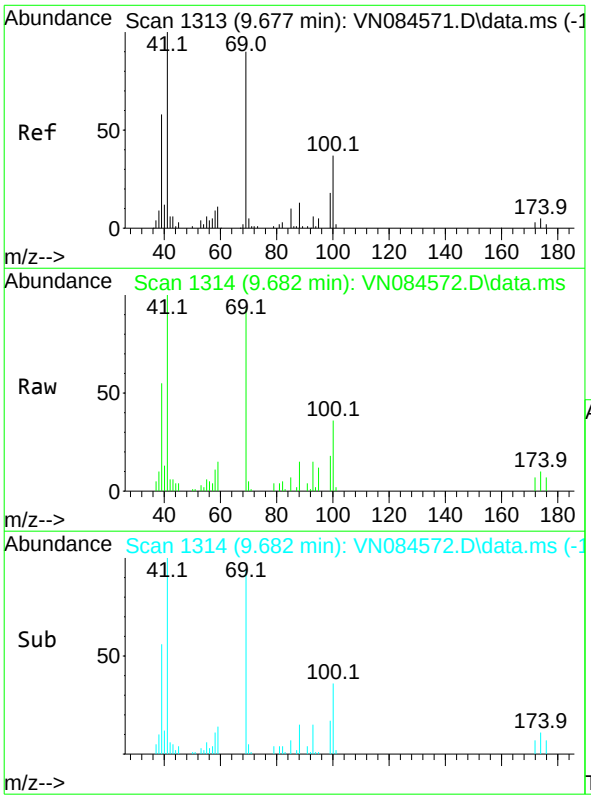
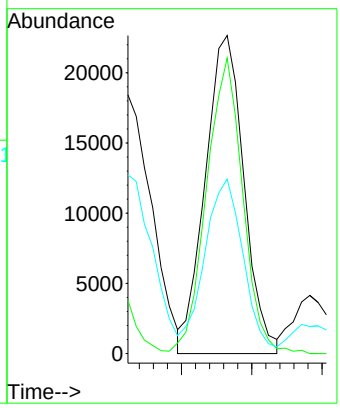
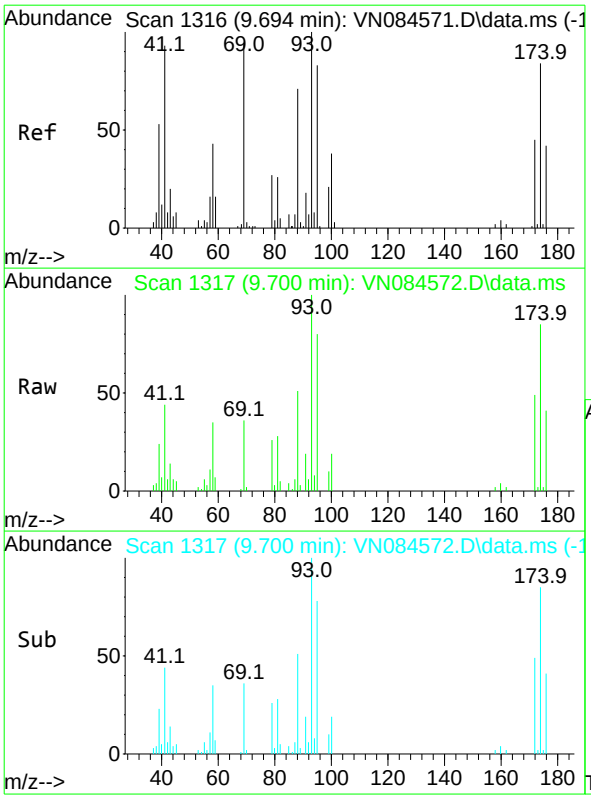


#48
Methyl methacrylate
Concen: 20.466 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 41 Resp: 43398

Ion	Ratio	Lower	Upper
41	100		
69	86.8	67.1	100.7
39	55.1	45.8	68.6

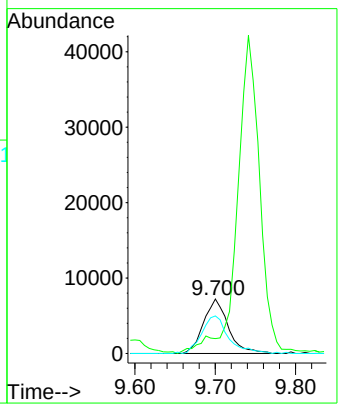




#49
1,4-Dioxane
Concen: 410.291 ug/l
RT: 9.700 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 88 Resp: 15417

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	74.6	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
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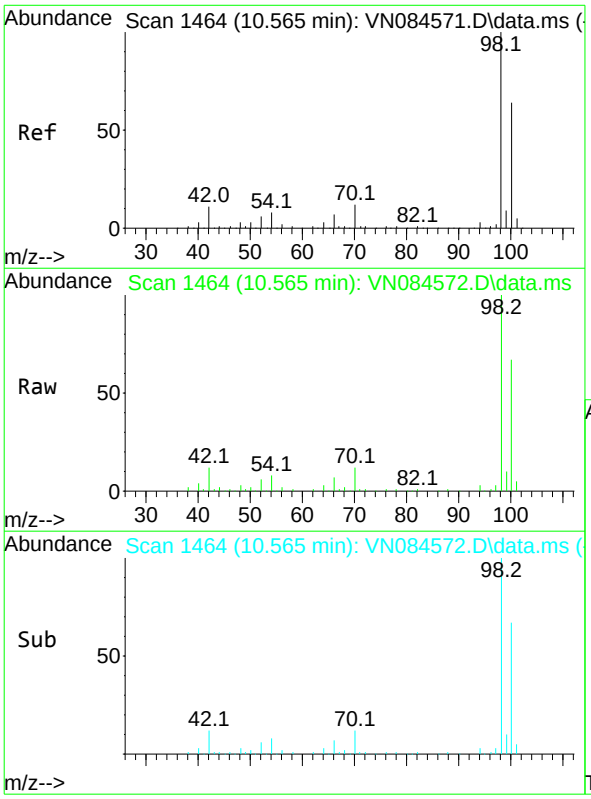
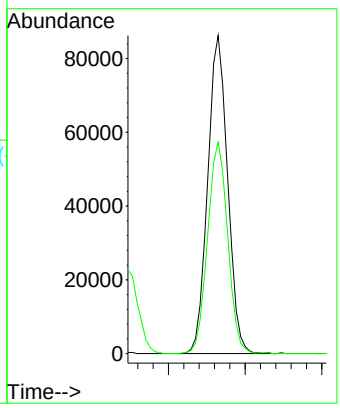
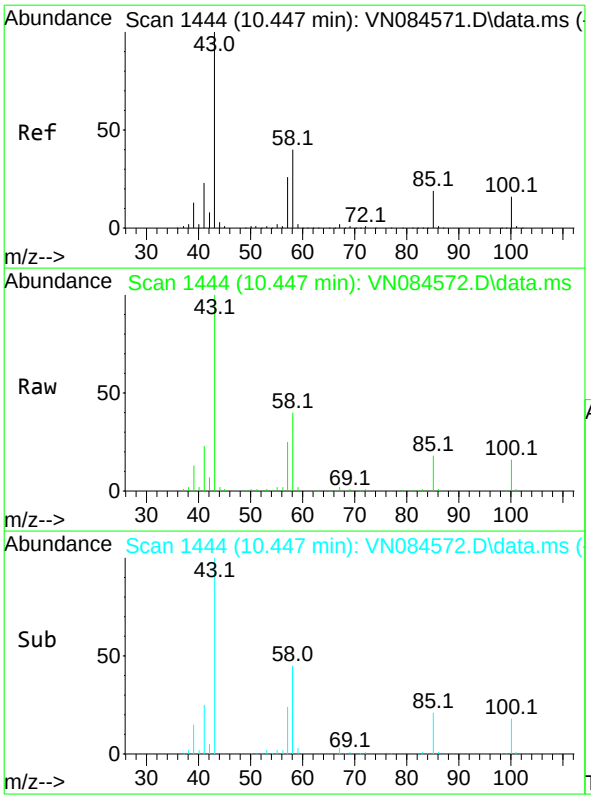


#50
Toluene-d8
Concen: 19.504 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 98 Resp: 155563

Ion	Ratio	Lower	Upper
98	100		
100	67.2	52.7	79.1

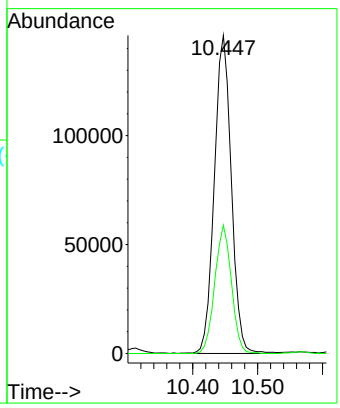




#51
4-Methyl-2-Pentanone
Concen: 102.417 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 43 Resp: 266010

Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.6	47.4



Instrument :
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ClientSampleId :
VSTDICC020

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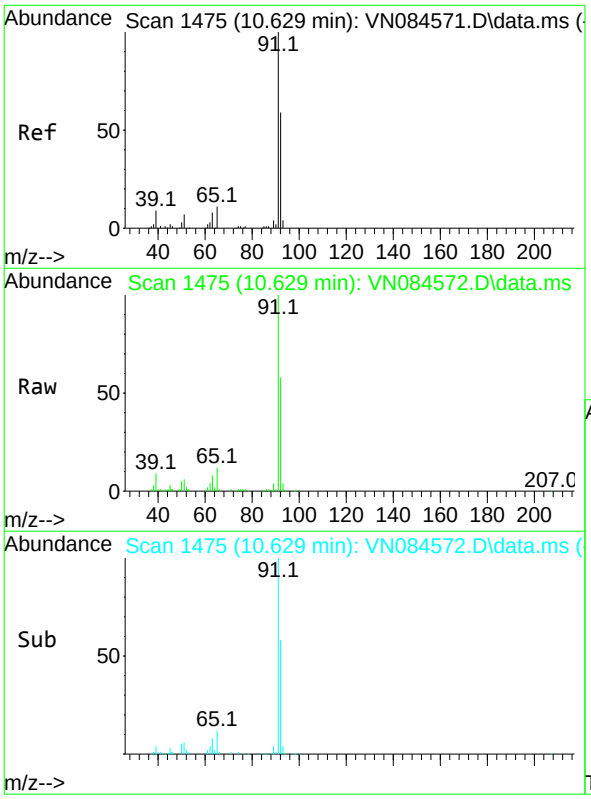
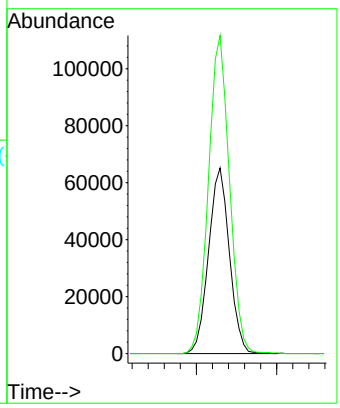
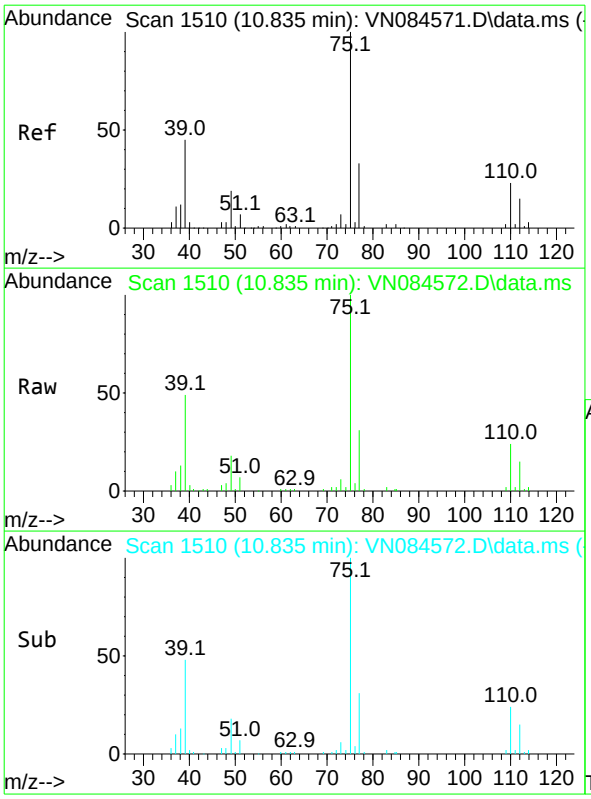


#52
Toluene
Concen: 20.838 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 92 Resp: 117530

Ion	Ratio	Lower	Upper
92	100		
91	172.4	137.3	205.9

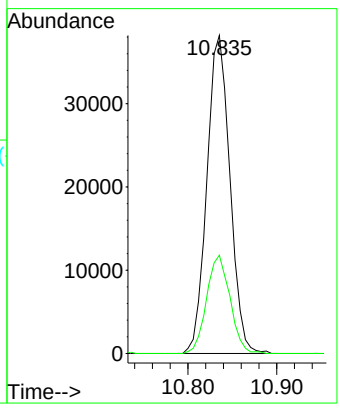




#53
t-1,3-Dichloropropene
Concen: 19.766 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 75 Resp: 68847

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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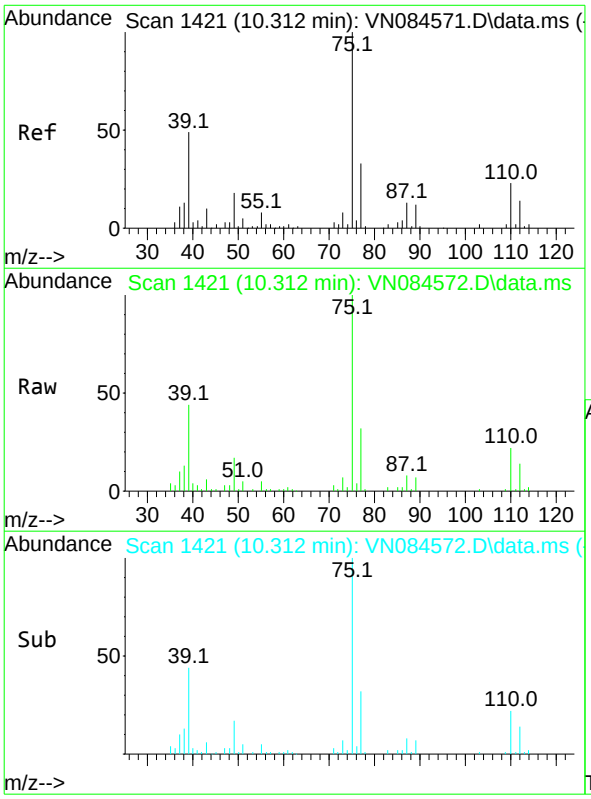
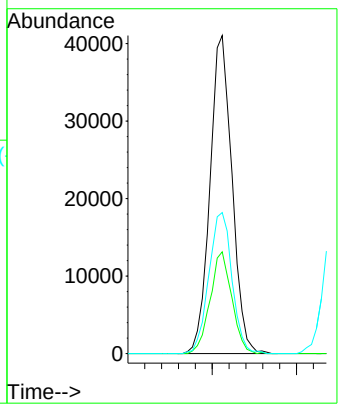
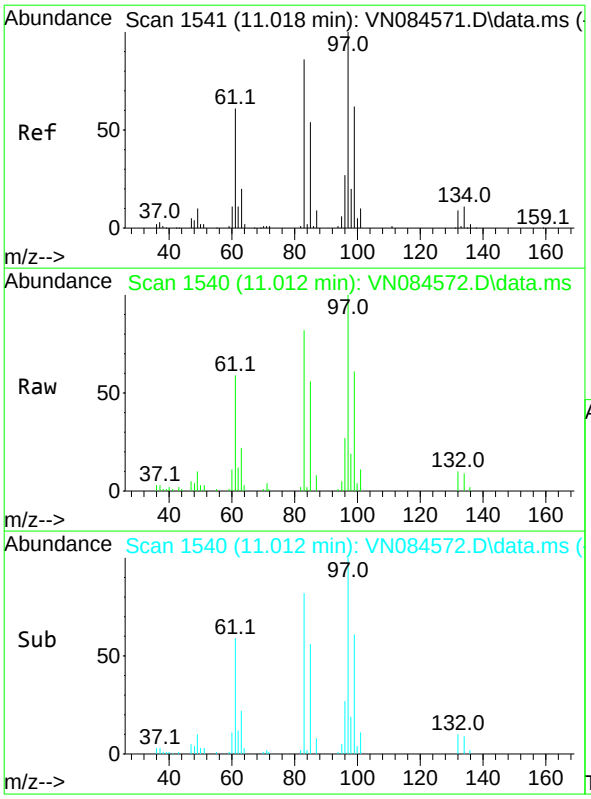


#54
cis-1,3-Dichloropropene
Concen: 20.208 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 75 Resp: 74498

Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.2	36.2
39	44.3	38.7	58.1

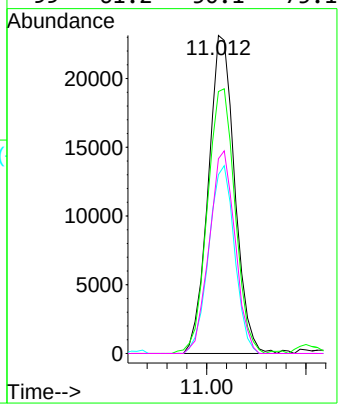




#55
1,1,2-Trichloroethane
Concen: 20.141 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 97 Resp: 42791

Ion	Ratio	Lower	Upper
97	100		
83	81.7	71.0	106.4
85	56.2	41.7	62.5
99	61.2	50.1	75.1



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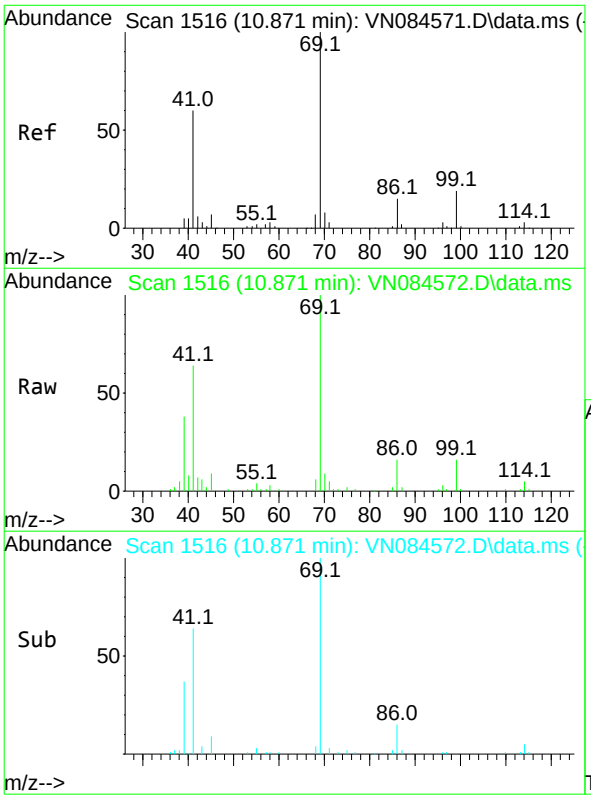
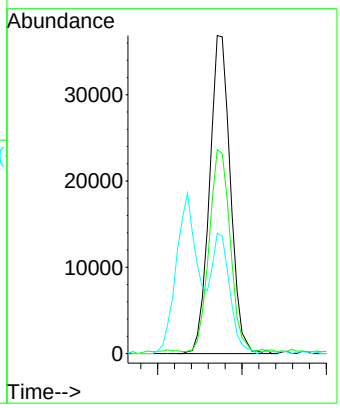
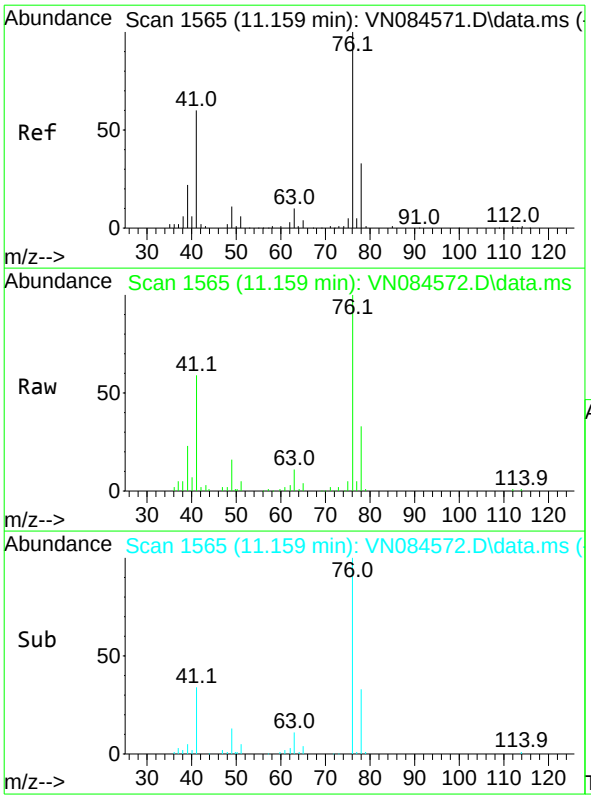


#56
Ethyl methacrylate
Concen: 20.613 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 69 Resp: 63347

Ion	Ratio	Lower	Upper
69	100		
41	64.3	53.3	79.9
39	31.9	28.8	43.2

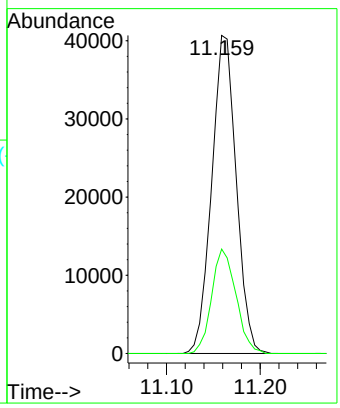




#57
1,3-Dichloropropane
Concen: 20.317 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 76 Resp: 74082

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6



Instrument :
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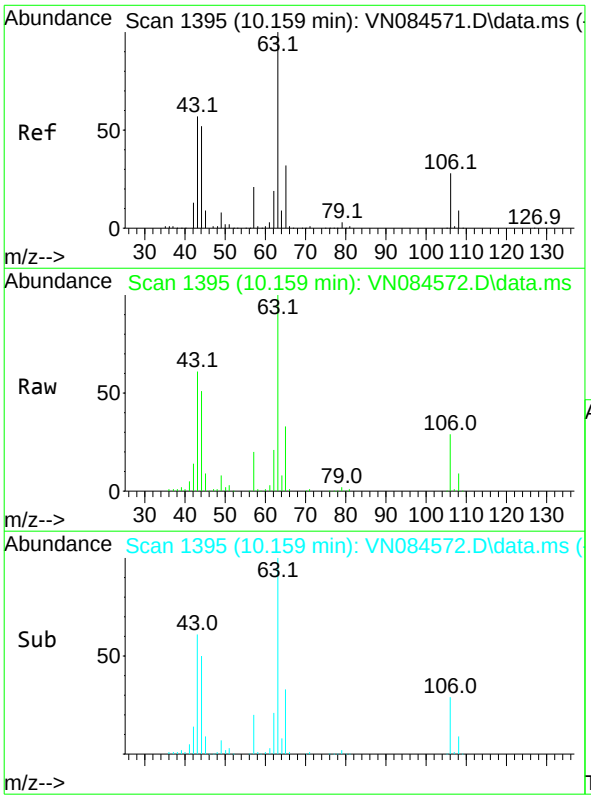
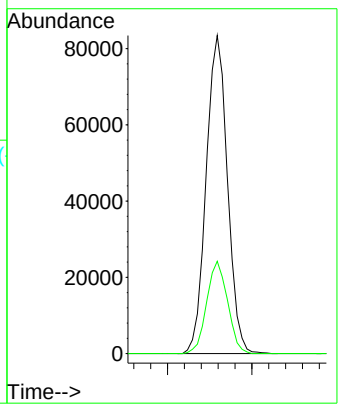
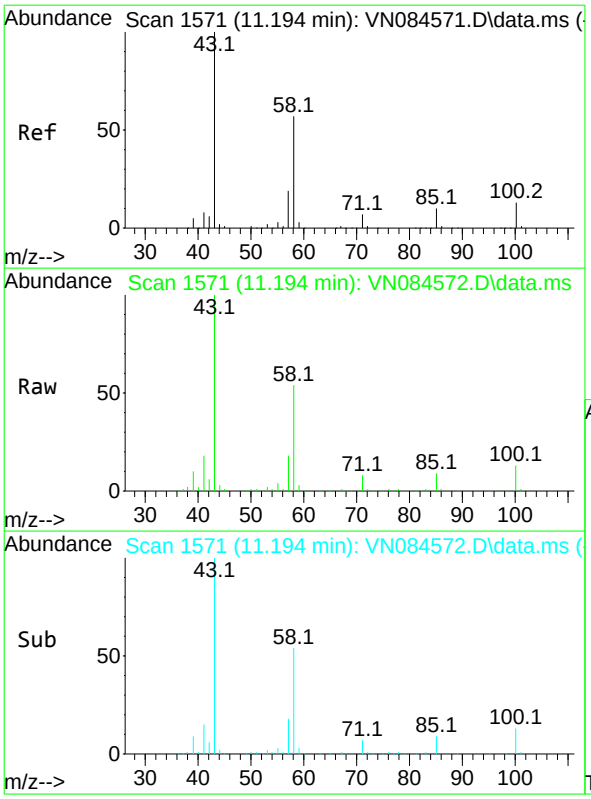


#58
2-Chloroethyl Vinyl ether
Concen: 101.786 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 63 Resp: 146372

Ion	Ratio	Lower	Upper
63	100		
106	28.4	21.8	32.6

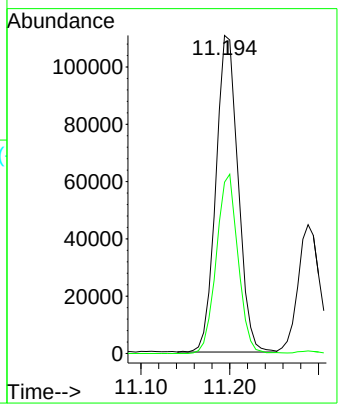




#59
2-Hexanone
Concen: 101.735 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 43 Resp: 192335

Ion	Ratio	Lower	Upper
43	100		
58	55.2	27.3	81.8



Instrument :
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ClientSampleId :
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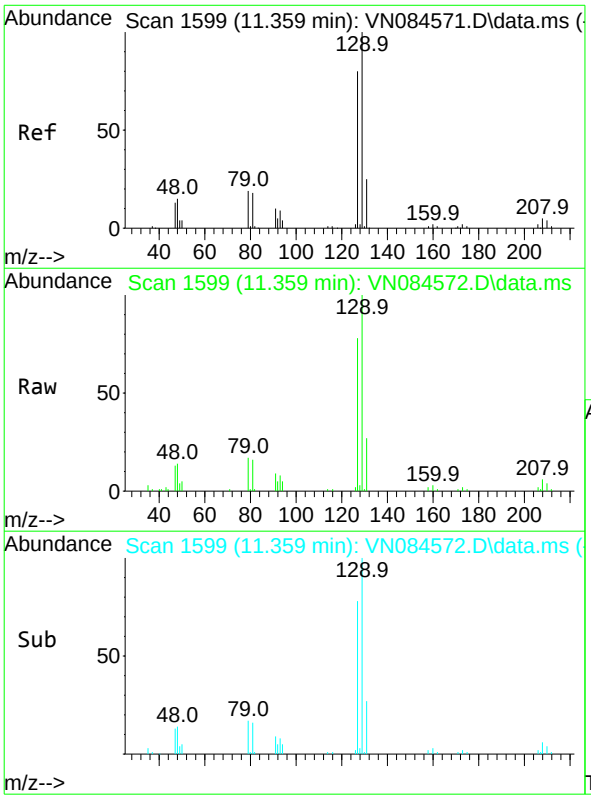
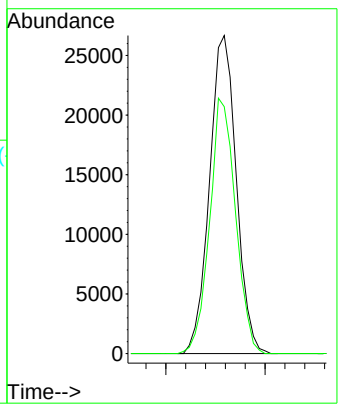
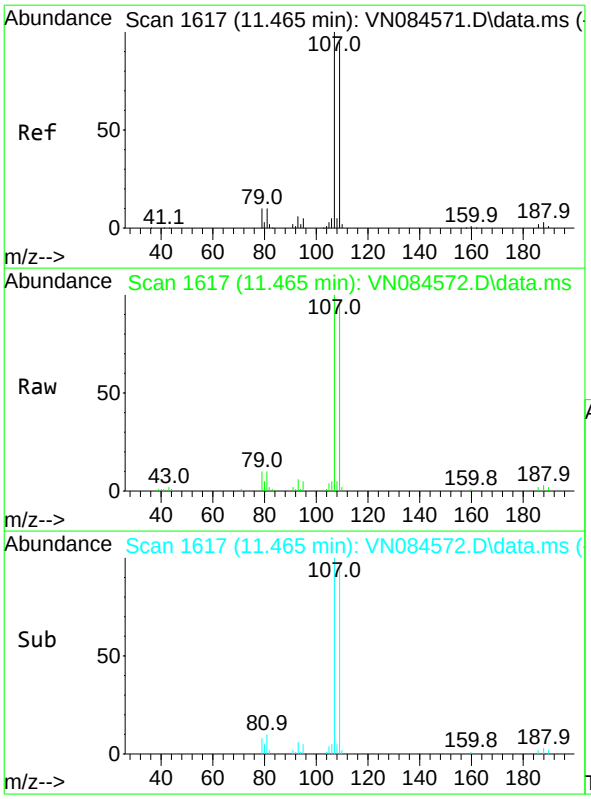


#60
Dibromochloromethane
Concen: 20.665 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:129 Resp: 50039

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.3	114.9

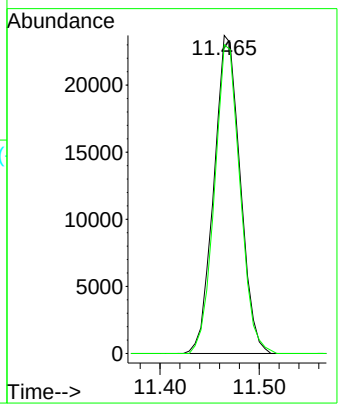




#61
1,2-Dibromoethane
Concen: 20.070 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:107 Resp: 43666

Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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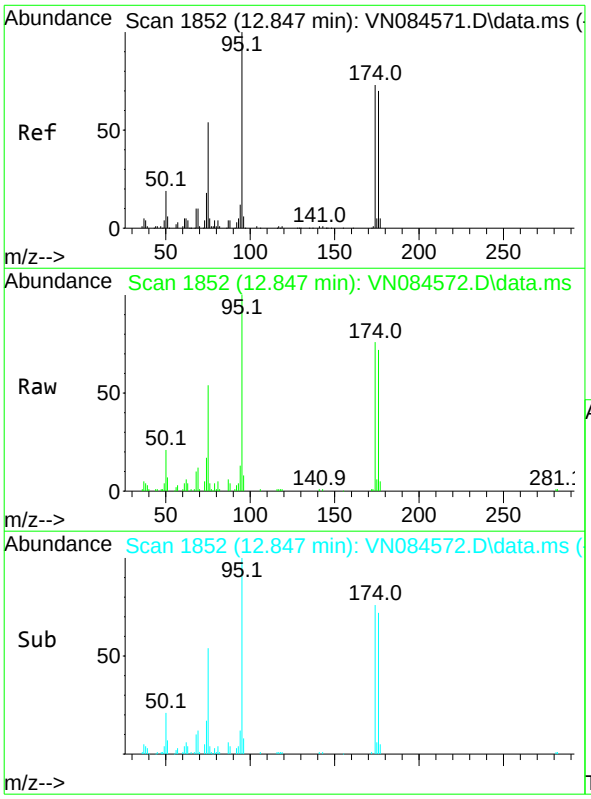
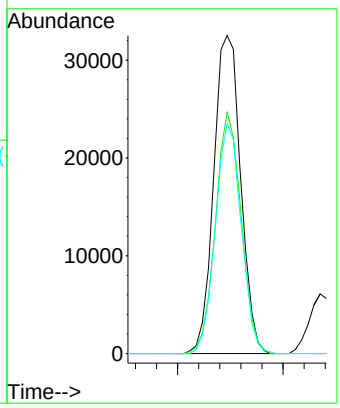
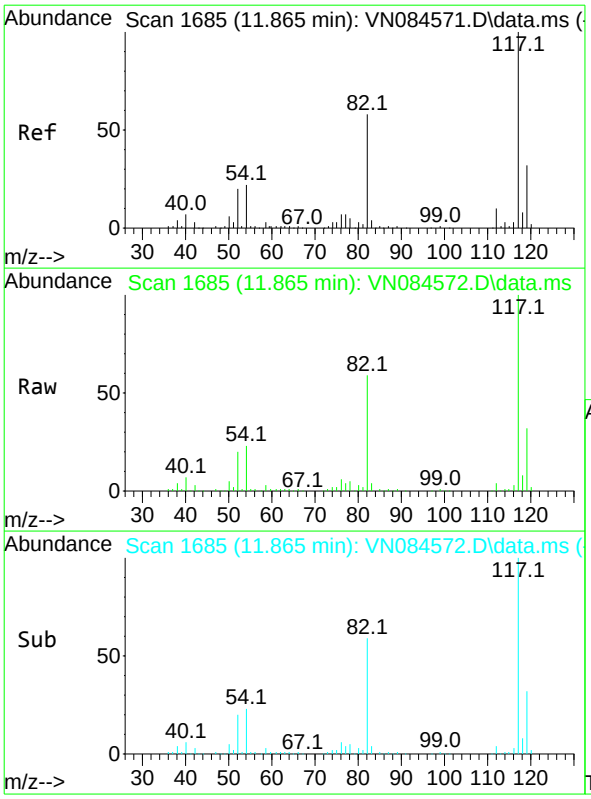


#62
4-Bromofluorobenzene
Concen: 19.330 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 95 Resp: 57622

Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	145.2
176	69.4	0.0	140.0

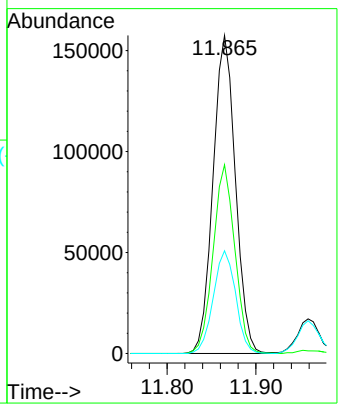




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:117 Resp: 275857

Ion	Ratio	Lower	Upper
117	100		
82	59.3	47.2	70.8
119	32.3	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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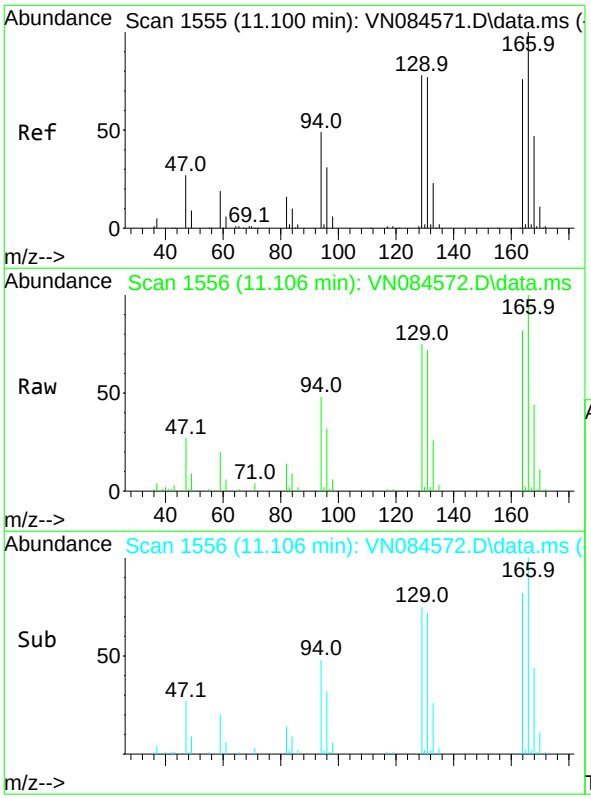
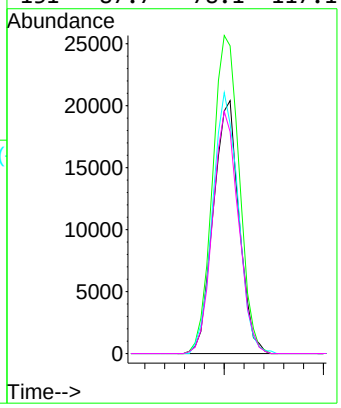
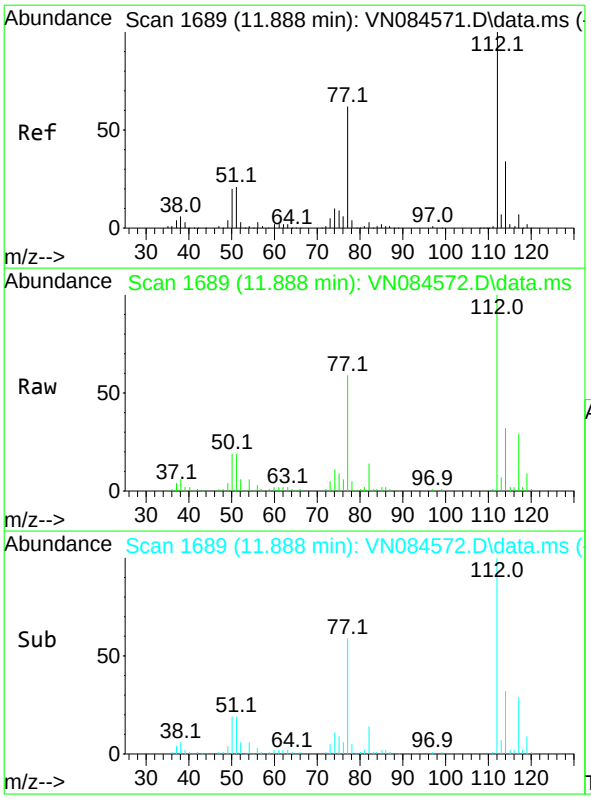


#64
Tetrachloroethene
Concen: 20.054 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:164 Resp: 36798

Ion	Ratio	Lower	Upper
164	100		
166	121.7	101.0	151.4
129	90.9	80.8	121.2
131	87.7	78.1	117.1

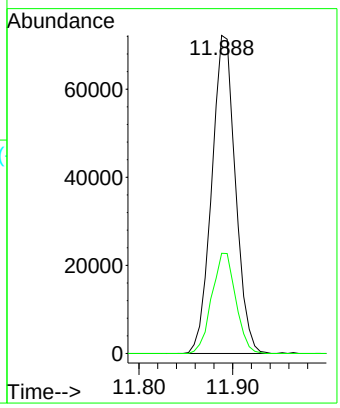




#65
Chlorobenzene
Concen: 20.539 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:112 Resp: 126753

Ion	Ratio	Lower	Upper
112	100		
114	31.5	27.0	40.6



Instrument :
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ClientSampleId :
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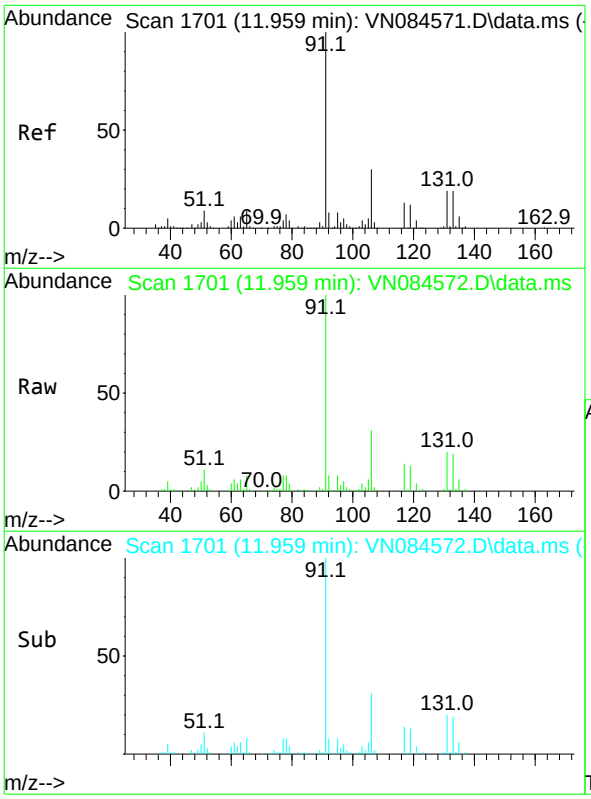
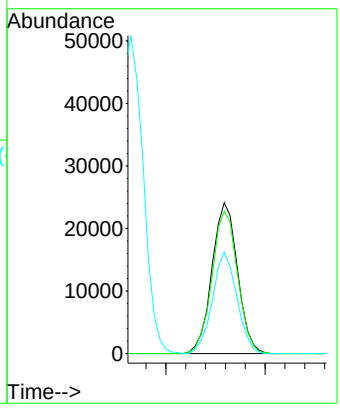
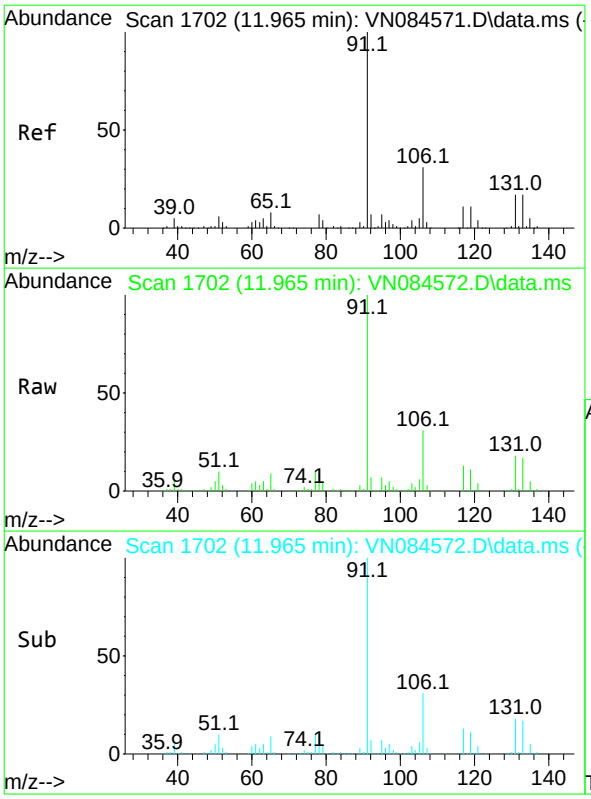


#66
1,1,1,2-Tetrachloroethane
Concen: 20.125 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:131 Resp: 43201

Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.9	143.7
119	64.3	32.8	98.3

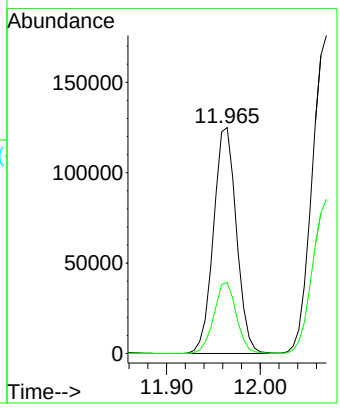




#67
Ethyl Benzene
Concen: 20.651 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 91 Resp: 212737

Ion	Ratio	Lower	Upper
91	100		
106	31.4	24.5	36.7



Instrument :
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ClientSampleId :
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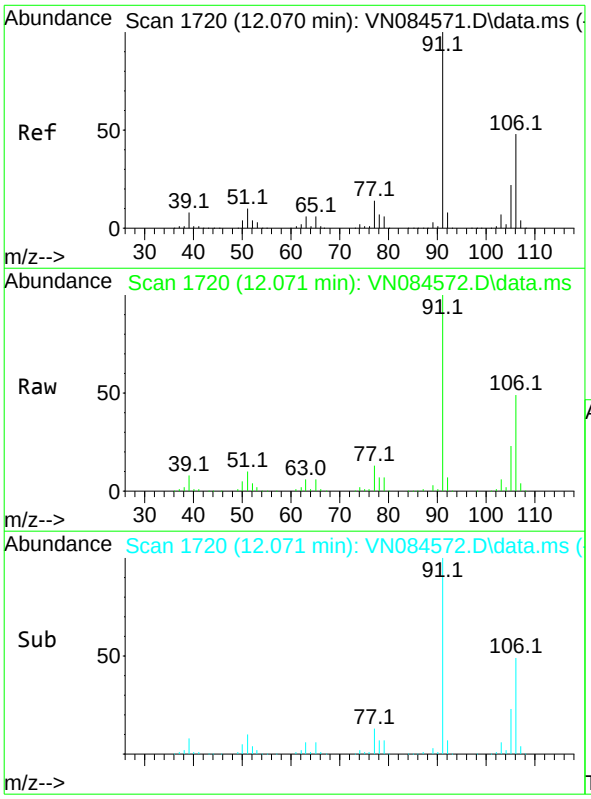
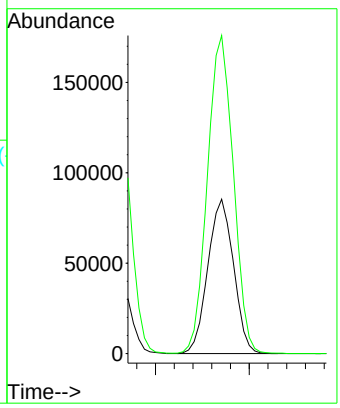
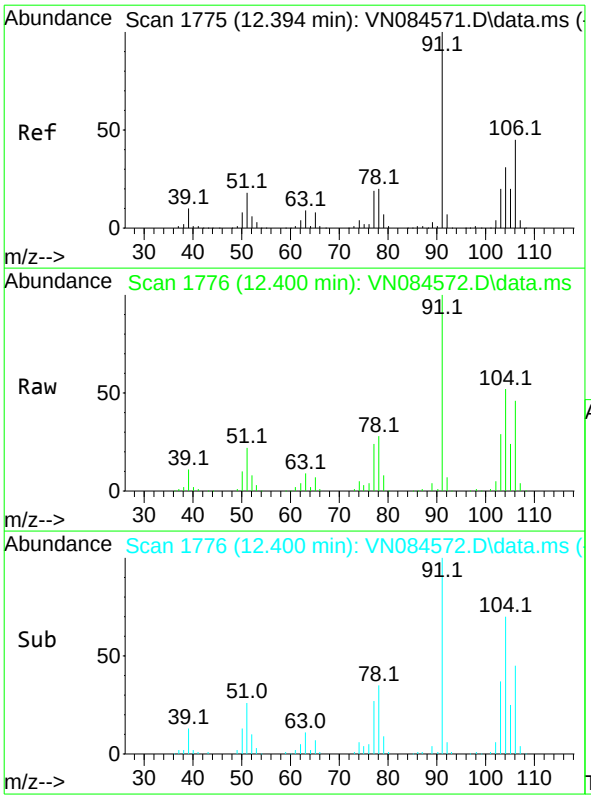


#68
m/p-Xylenes
Concen: 41.732 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:106 Resp: 162754

Ion	Ratio	Lower	Upper
106	100		
91	207.9	167.1	250.7

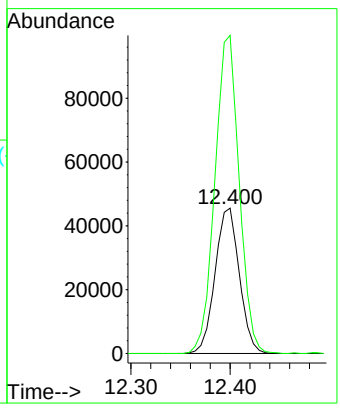




#69
o-Xylene
Concen: 21.214 ug/l
RT: 12.400 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:106 Resp: 77396

Ion	Ratio	Lower	Upper
106	100		
91	219.2	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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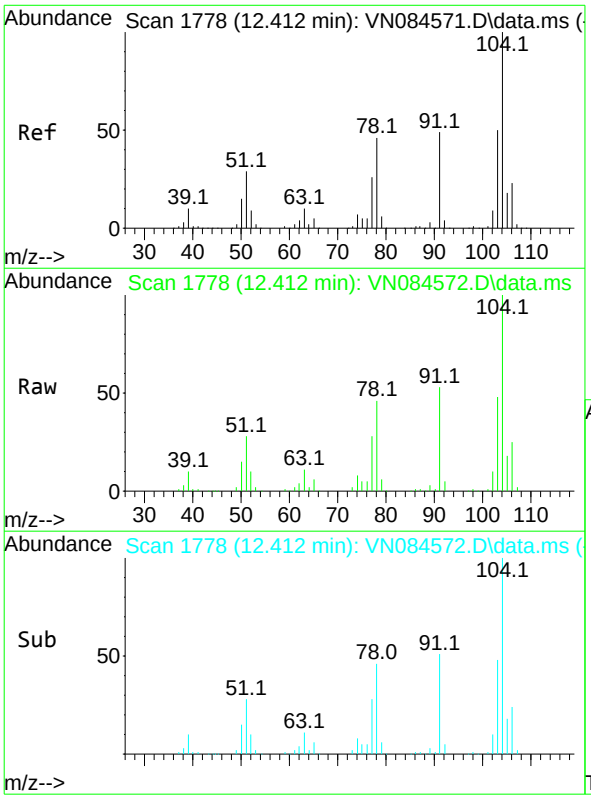
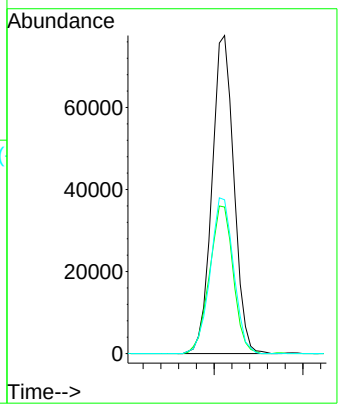
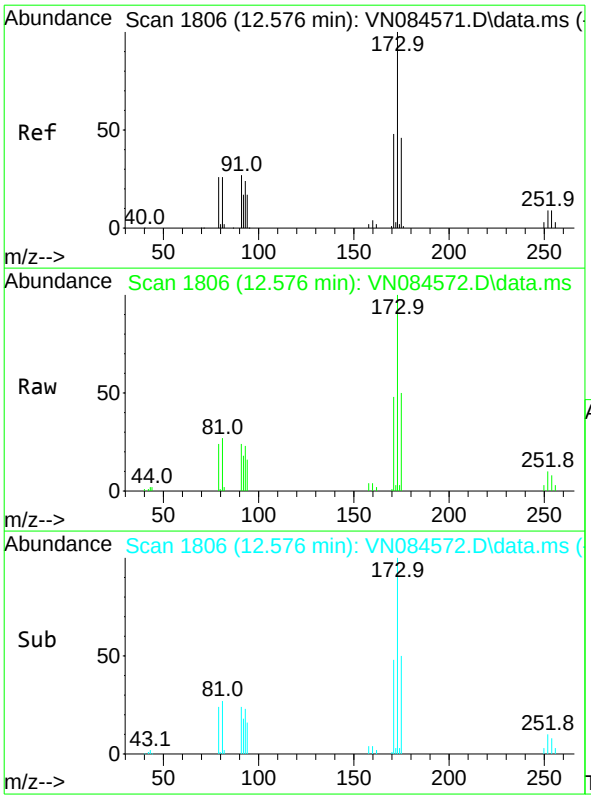


#70
Styrene
Concen: 20.907 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:104 Resp: 133059

Ion	Ratio	Lower	Upper
104	100		
78	50.1	42.7	64.1
103	52.2	43.6	65.4

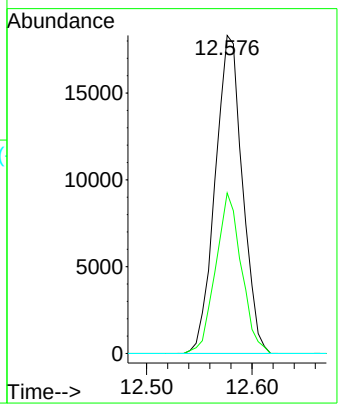




#71
Bromoform
Concen: 20.369 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:173 Resp: 32901

Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
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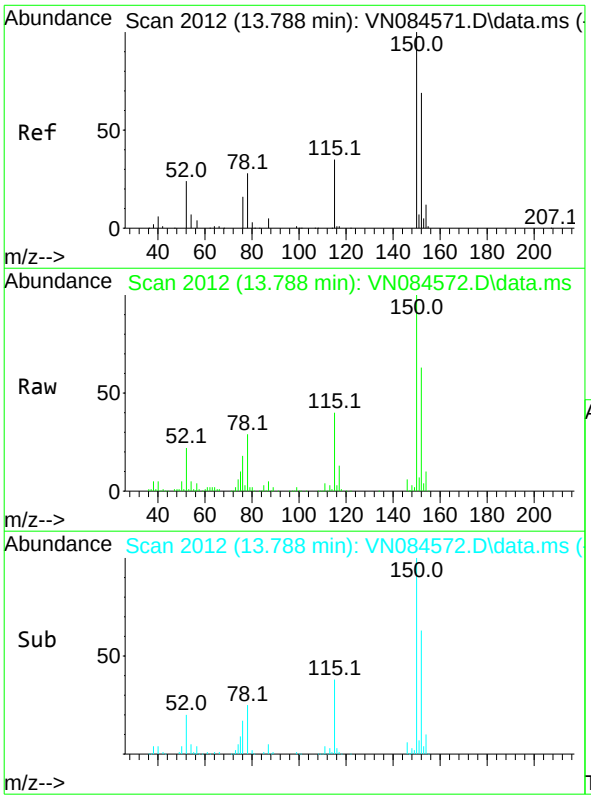
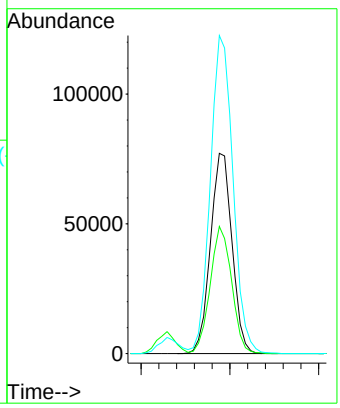
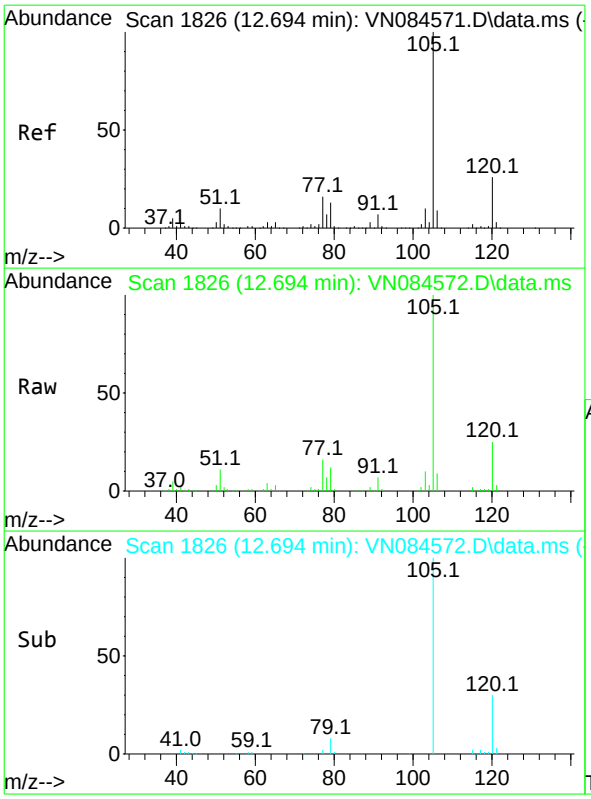


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:152 Resp: 130374

Ion	Ratio	Lower	Upper
152	100		
115	63.0	31.3	93.9
150	166.7	0.0	349.8

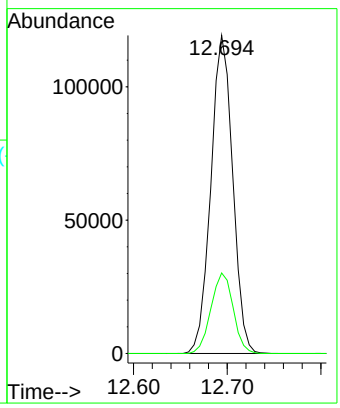




#73
Isopropylbenzene
Concen: 21.127 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:105 Resp: 193023

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.9	38.7



Instrument :
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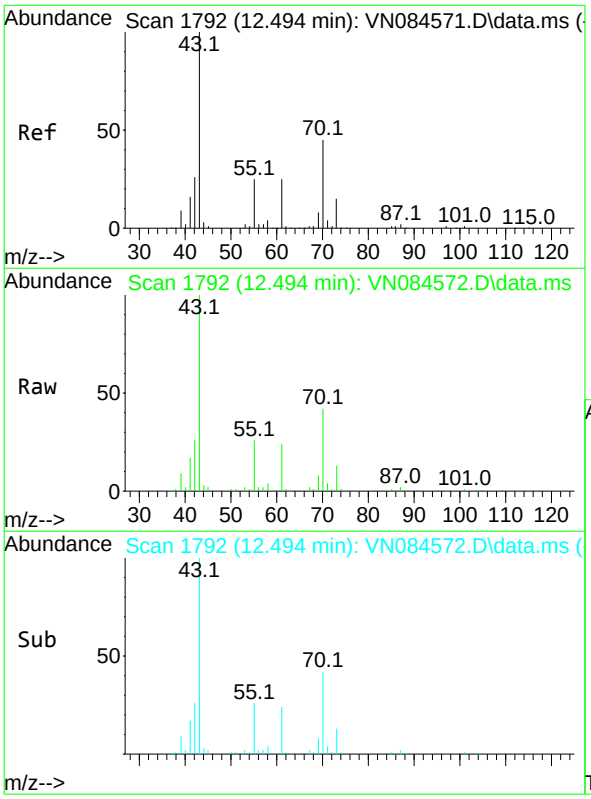
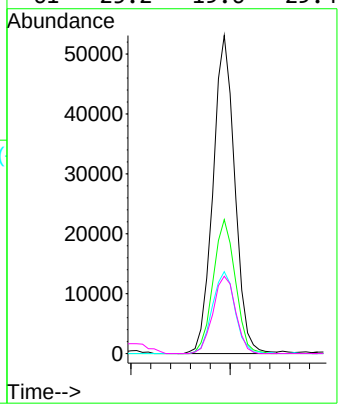
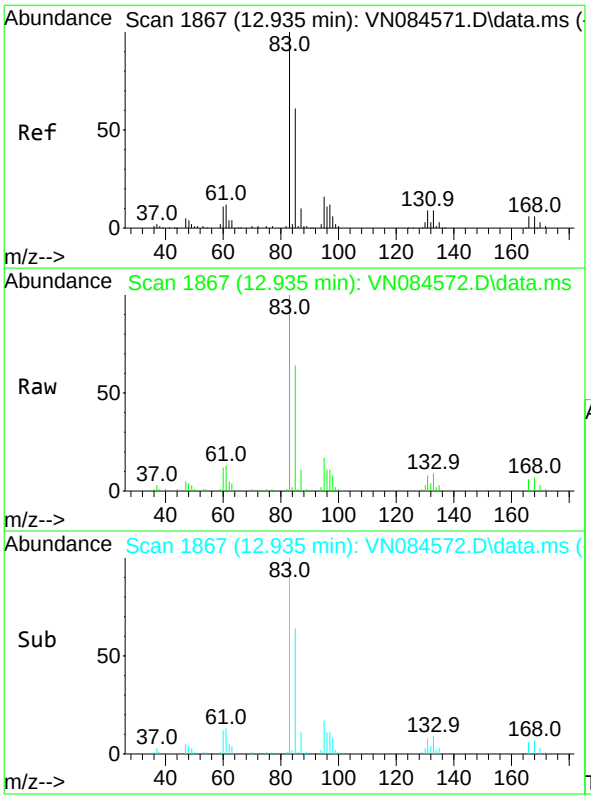


#74
N-amyl acetate
Concen: 20.815 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 43 Resp: 80939

Ion	Ratio	Lower	Upper
43	100		
70	42.8	34.4	51.6
55	26.8	19.6	29.4
61	25.2	19.6	29.4

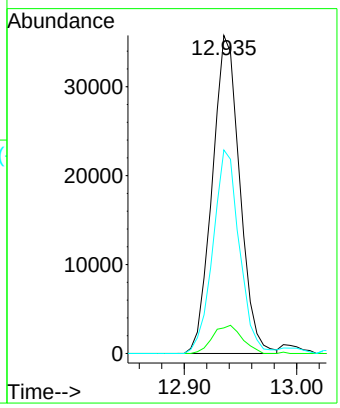




#75
1,1,2,2-Tetrachloroethane
Concen: 19.886 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 83 Resp: 60645

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.7
85	61.8	31.9	95.7



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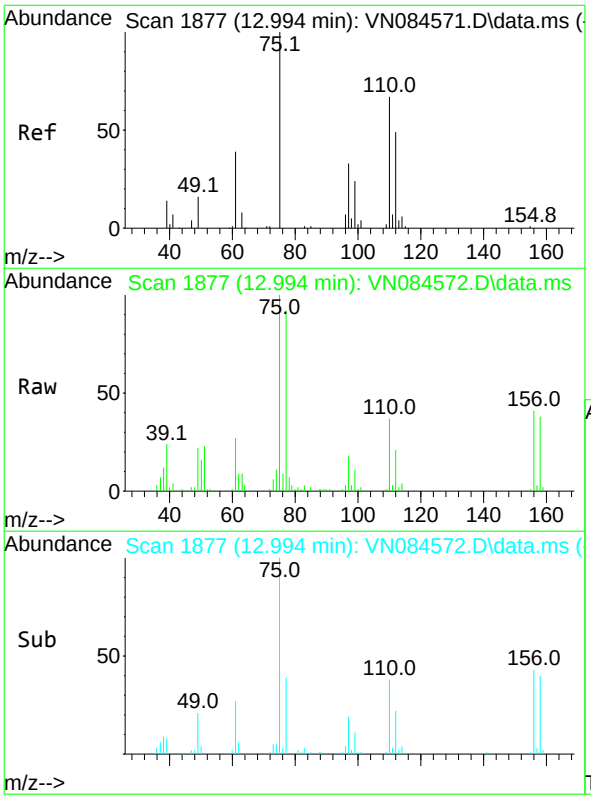
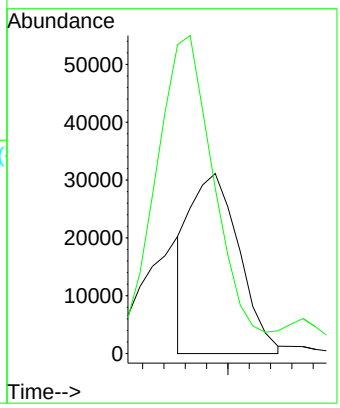
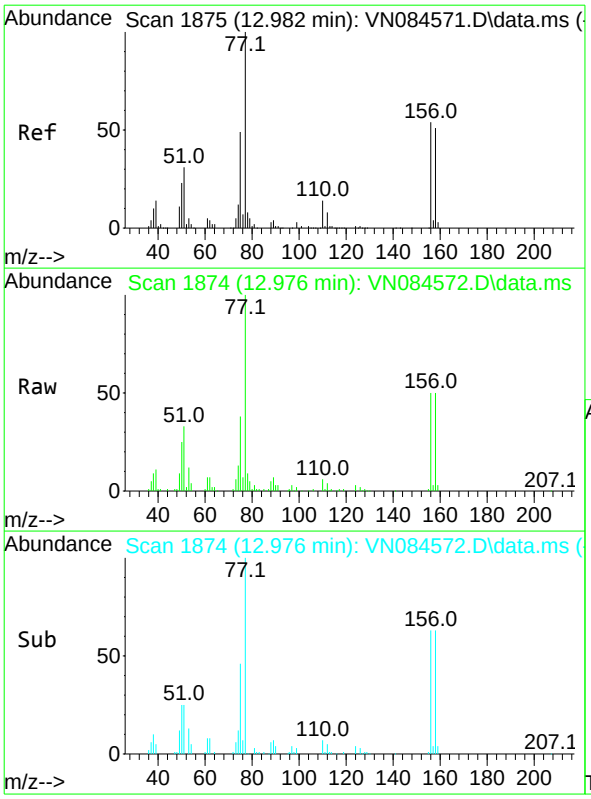


#76
1,2,3-Trichloropropane
Concen: 19.414 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 75 Resp: 49947

Ion	Ratio	Lower	Upper
75	100		
77	215.5	96.9	290.7

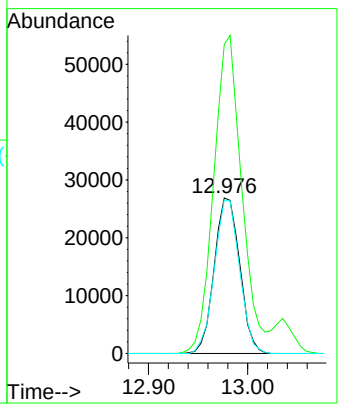




#77
Bromobenzene
Concen: 19.550 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:156 Resp: 48017

Ion	Ratio	Lower	Upper
156	100		
77	224.2	115.1	345.3
158	97.5	48.9	146.8



Instrument :
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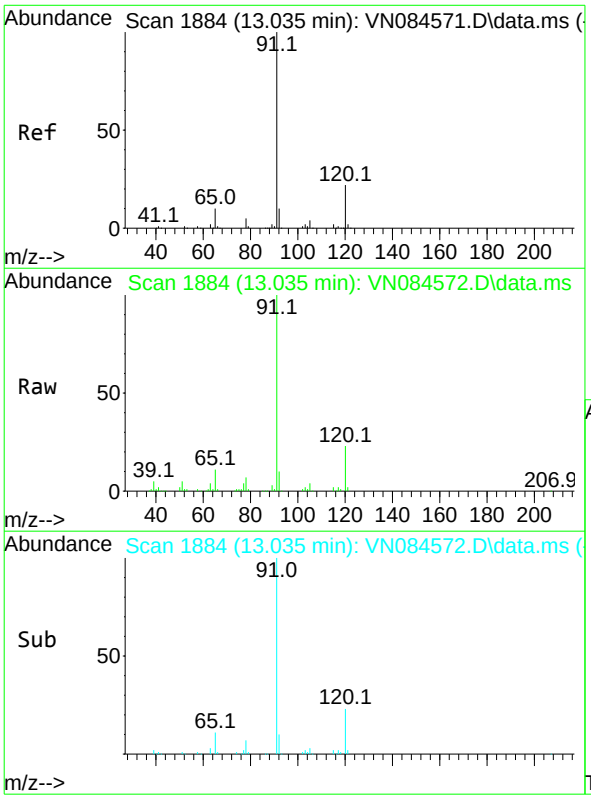
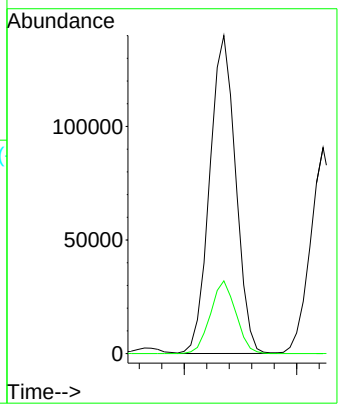
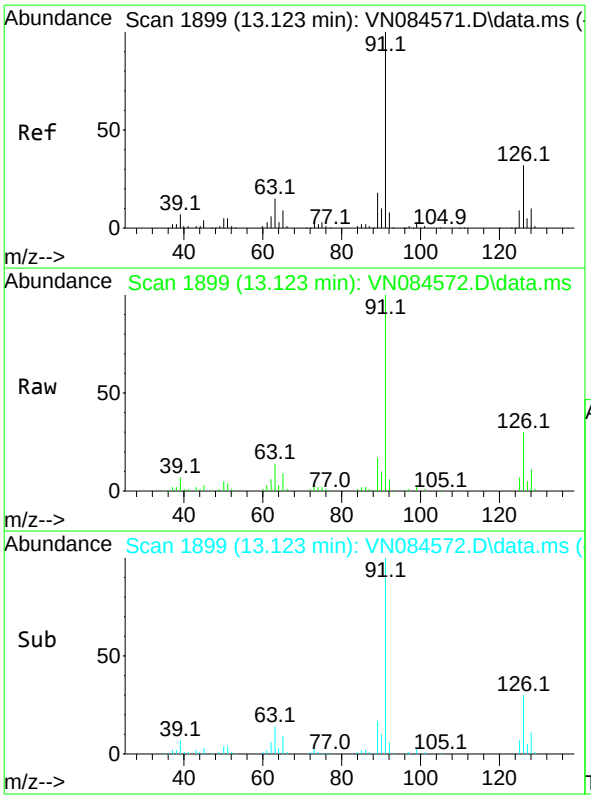


#78
n-propylbenzene
Concen: 21.024 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 91 Resp: 225085

Ion	Ratio	Lower	Upper
91	100		
120	22.3	10.8	32.4

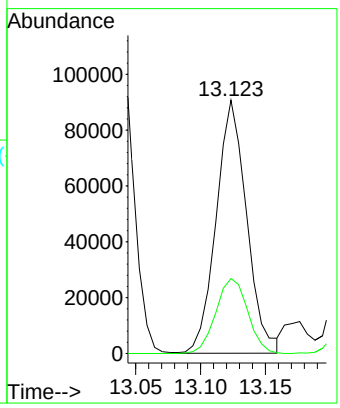




#79
2-Chlorotoluene
Concen: 21.233 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 91 Resp: 148533

Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
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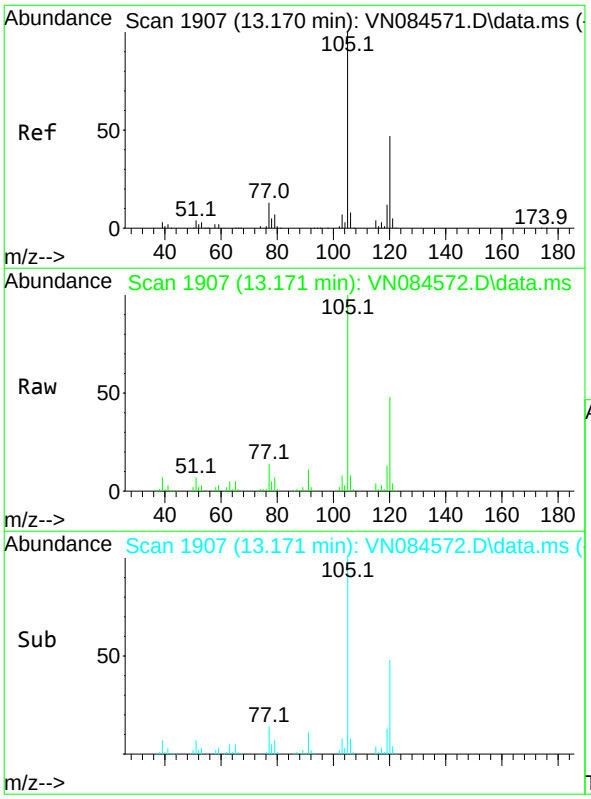
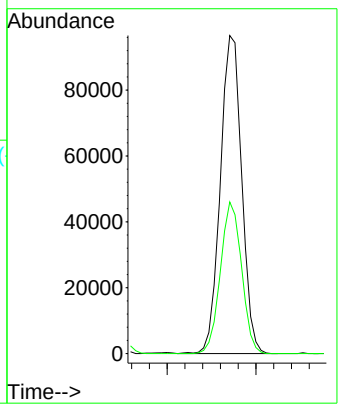
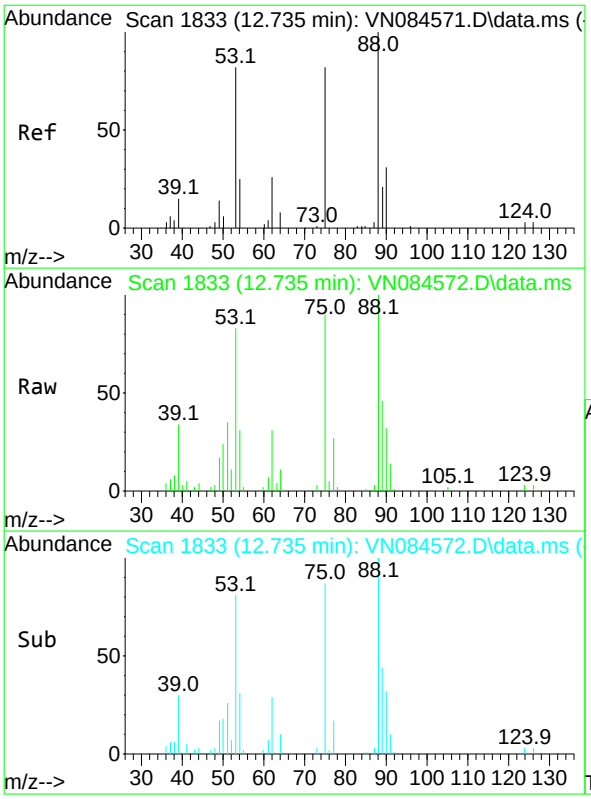


#80
1,3,5-Trimethylbenzene
Concen: 21.343 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:105 Resp: 161619

Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.7	71.1

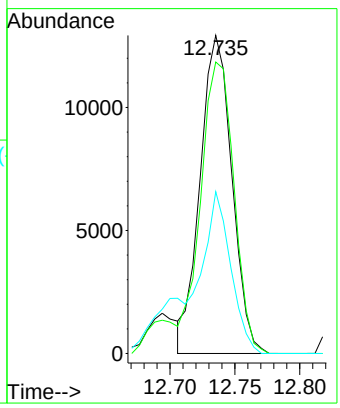




#81
trans-1,4-Dichloro-2-butene
Concen: 20.070 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 75 Resp: 22047

Ion	Ratio	Lower	Upper
75	100		
53	106.0	78.0	117.0
89	64.0	35.5	53.3#



Instrument :
MSVOA_N
ClientSampleId :
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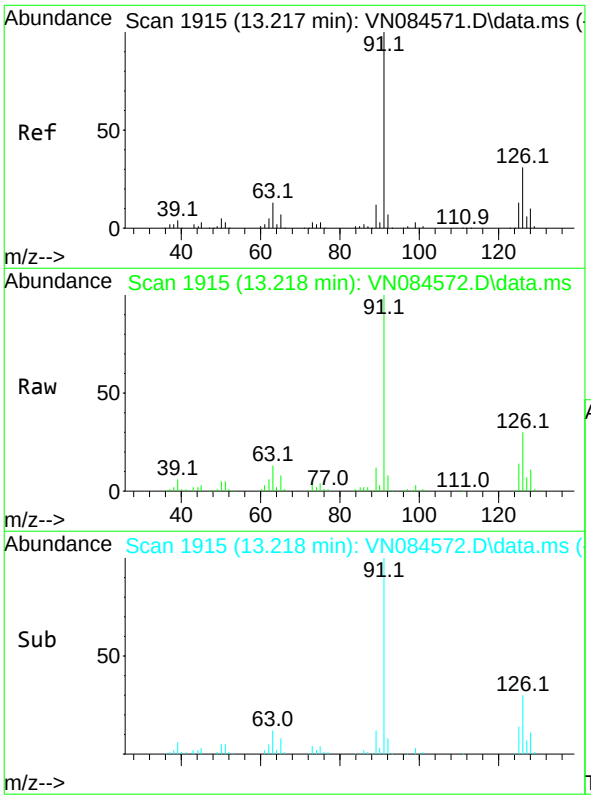
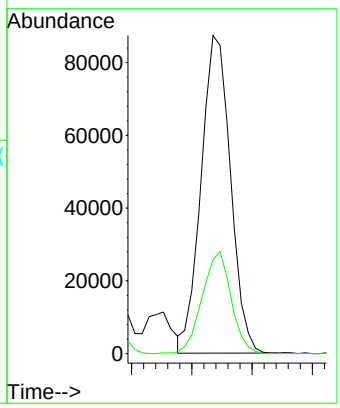
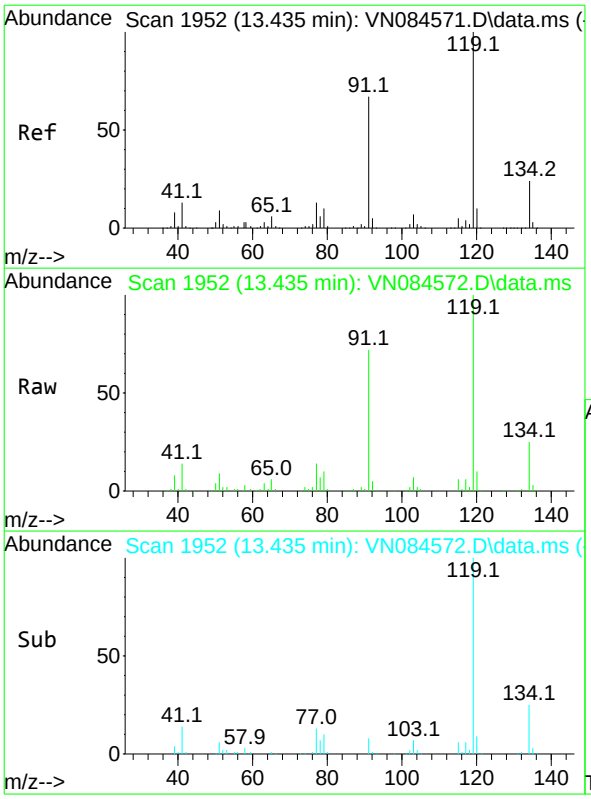


#82
4-Chlorotoluene
Concen: 20.102 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 91 Resp: 147989

Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.7	47.1

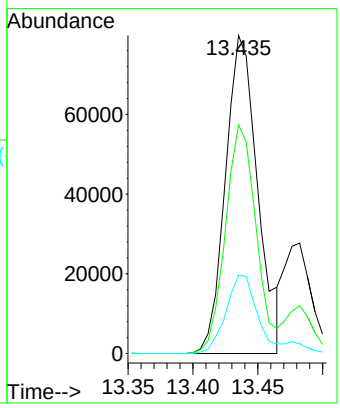




#83
tert-Butylbenzene
Concen: 22.033 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:119 Resp: 138079

Ion	Ratio	Lower	Upper
119	100		
91	68.5	34.1	102.3
134	26.4	12.8	38.4



Instrument :
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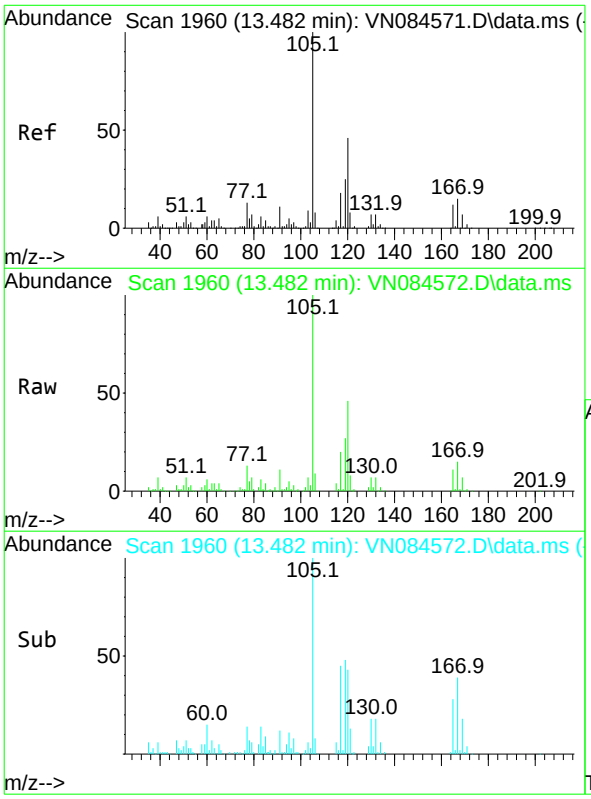
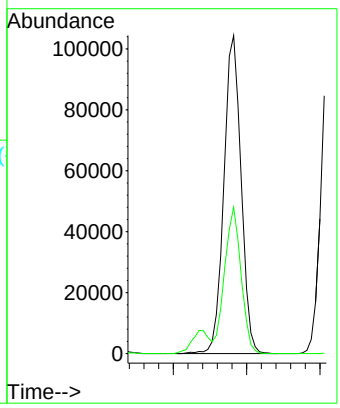
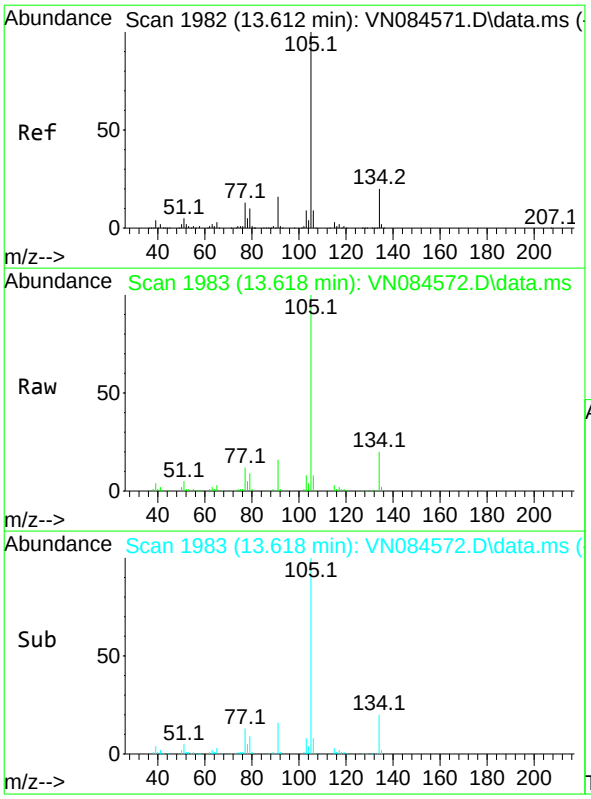


#84
1,2,4-Trimethylbenzene
Concen: 21.783 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:105 Resp: 170246

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.3	66.8

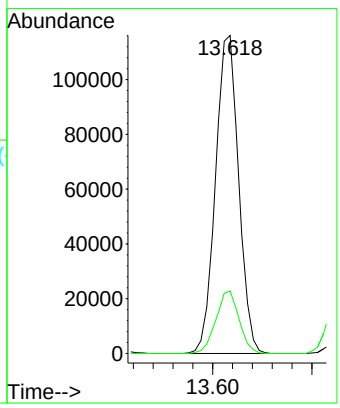




#85
sec-Butylbenzene
Concen: 21.255 ug/l
RT: 13.618 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:105 Resp: 188158

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4



Instrument :
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ClientSampleId :
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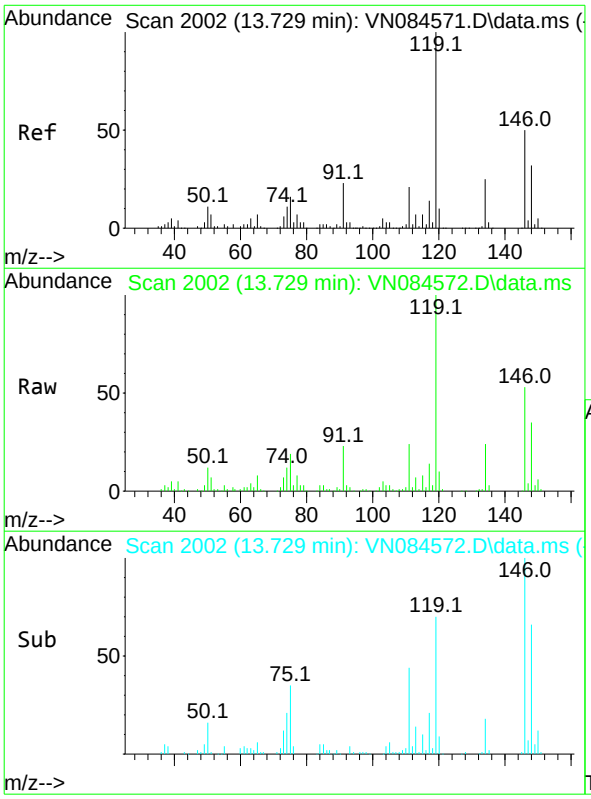
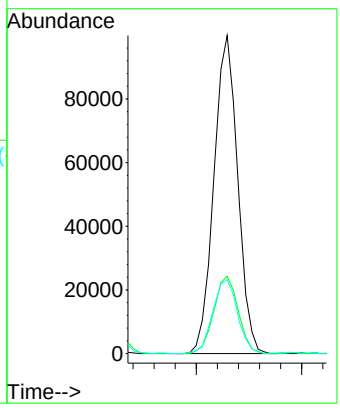
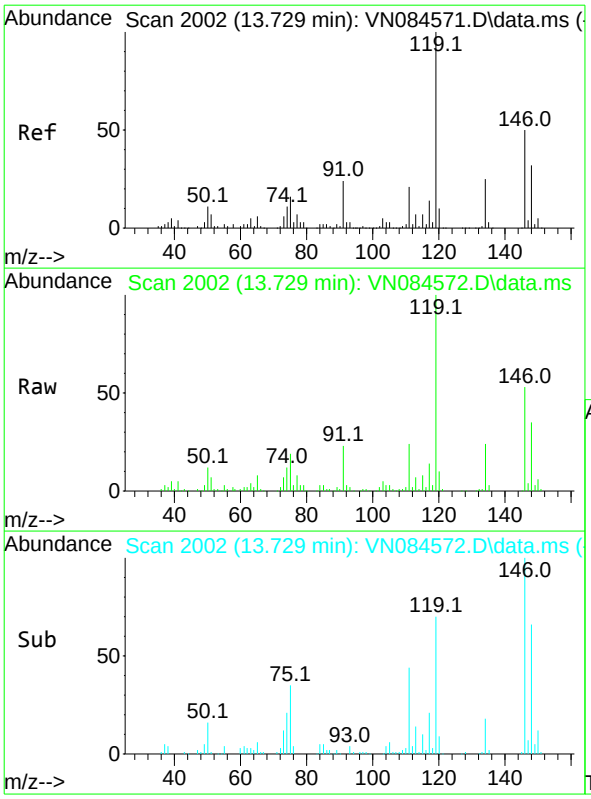


#86
p-Isopropyltoluene
Concen: 21.569 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:119 Resp: 156598

Ion	Ratio	Lower	Upper
119	100		
134	24.9	12.6	37.8
91	24.3	12.4	37.2

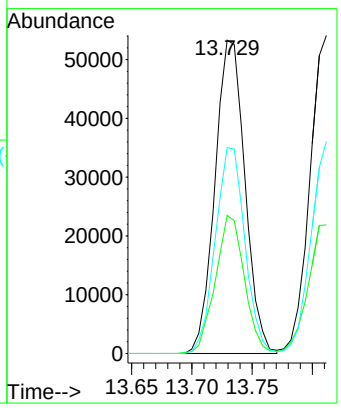




#87
1,3-Dichlorobenzene
Concen: 19.258 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:146 Resp: 92310

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.8	65.3
148	64.8	31.9	95.7



Instrument :
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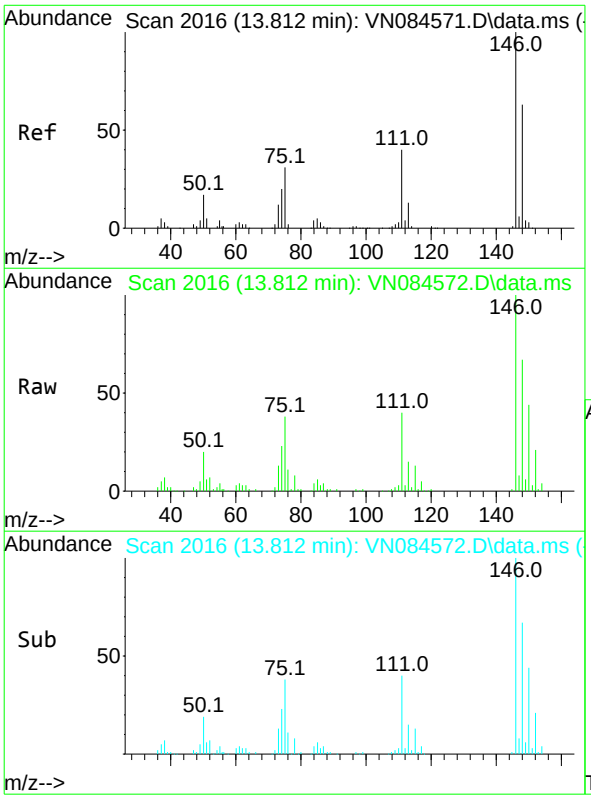
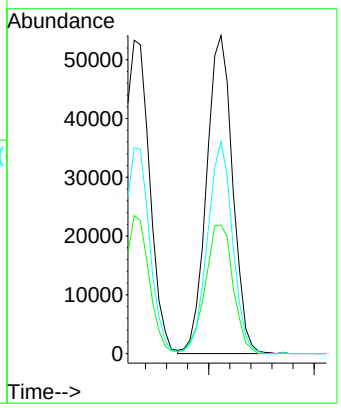
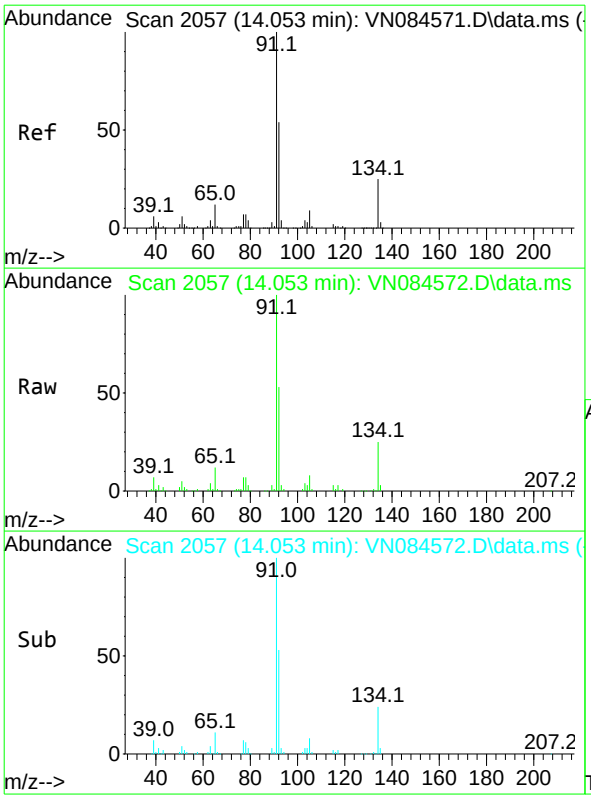


#88
1,4-Dichlorobenzene
Concen: 20.458 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:146 Resp: 92940

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.2	63.6
148	63.9	31.9	95.9

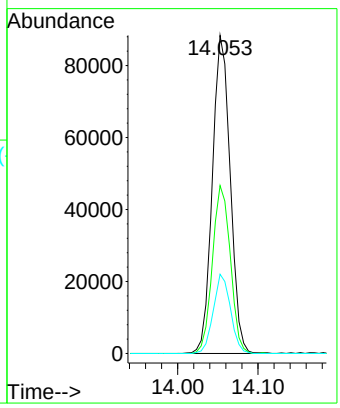




#89
n-Butylbenzene
Concen: 20.139 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 91 Resp: 136771

Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.6	79.7
134	24.0	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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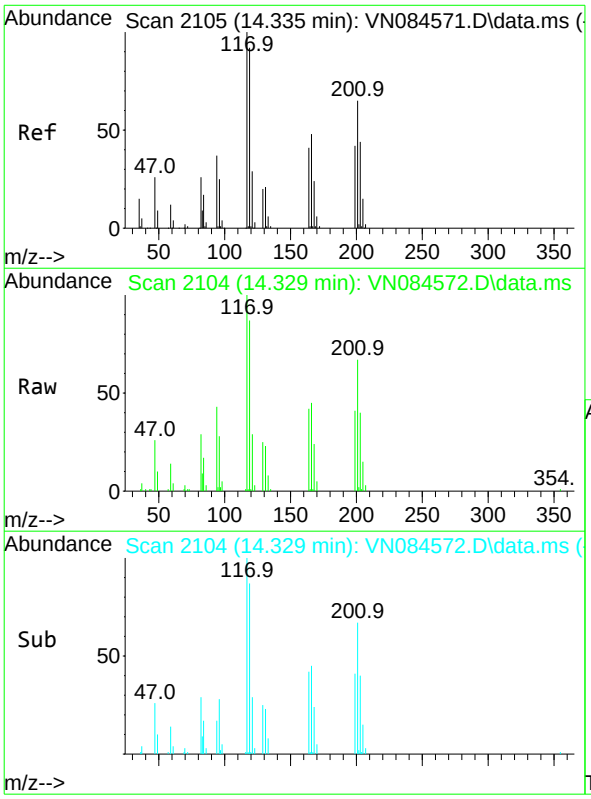
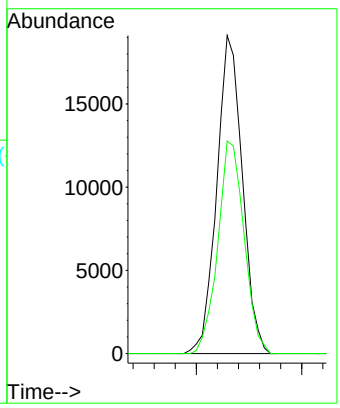
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

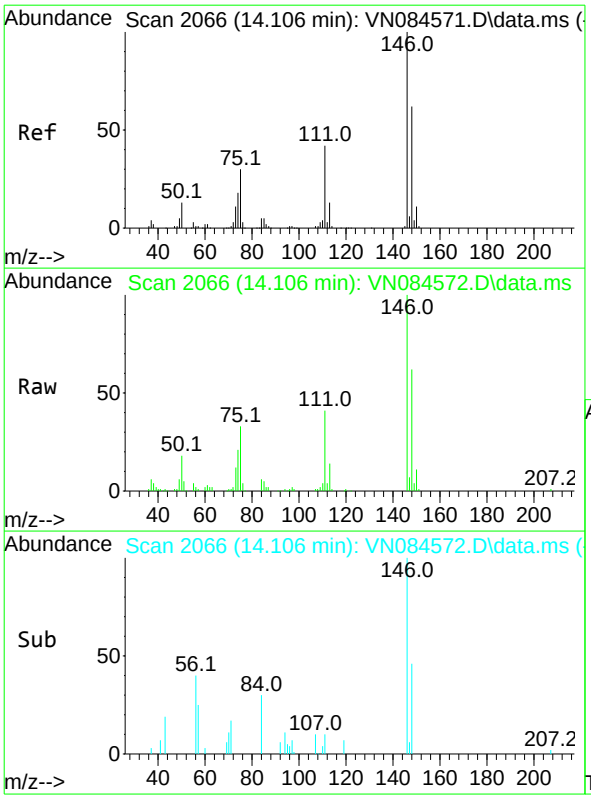


#90
Hexachloroethane
Concen: 19.887 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:117 Resp: 32199

Ion	Ratio	Lower	Upper
117	100		
201	68.7	34.4	103.2

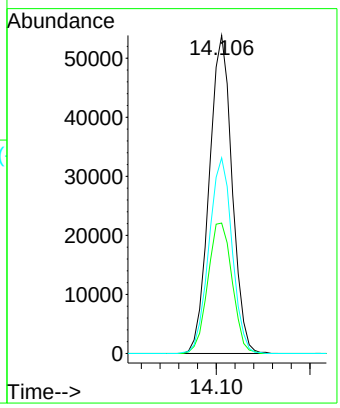




#91
1,2-Dichlorobenzene
Concen: 19.787 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:146 Resp: 91138

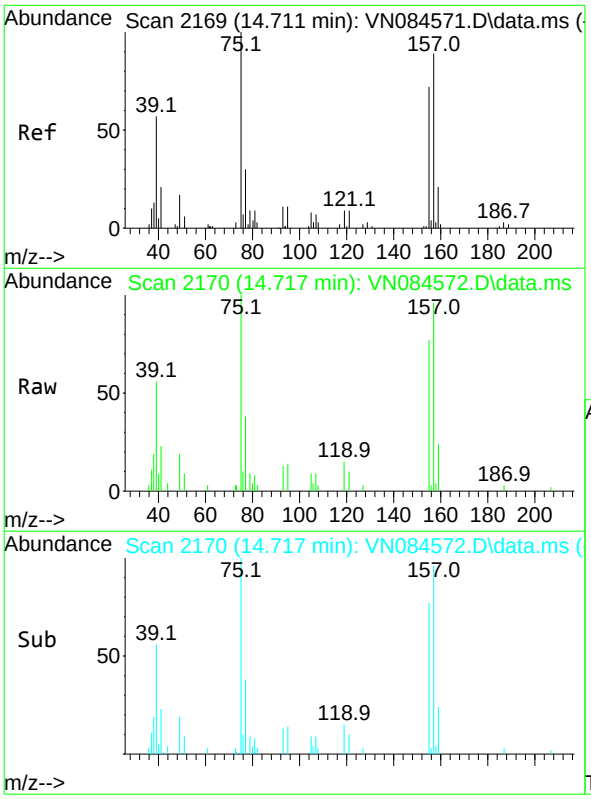
Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.0	66.0
148	62.3	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

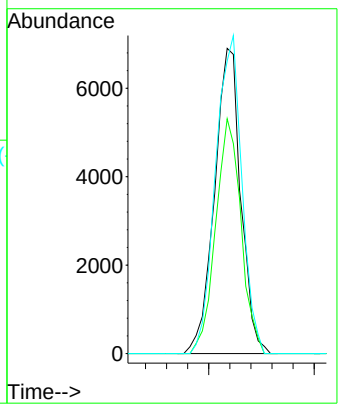
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

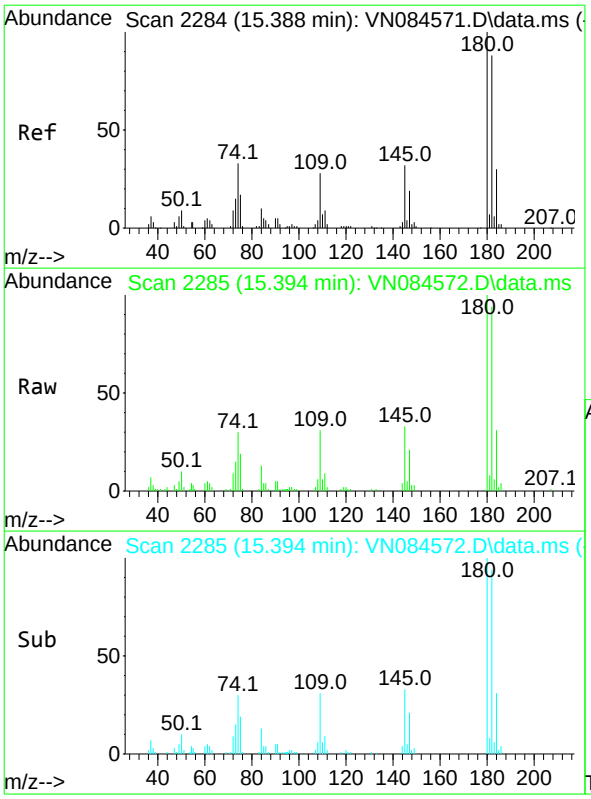


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.362 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 75 Resp: 11962

Ion	Ratio	Lower	Upper
75	100		
155	74.1	38.1	114.5
157	103.8	49.6	149.0

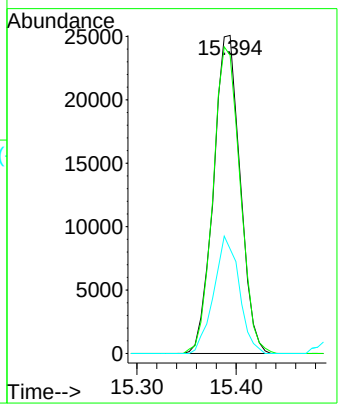




#93
1,2,4-Trichlorobenzene
Concen: 18.523 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:180 Resp: 46698

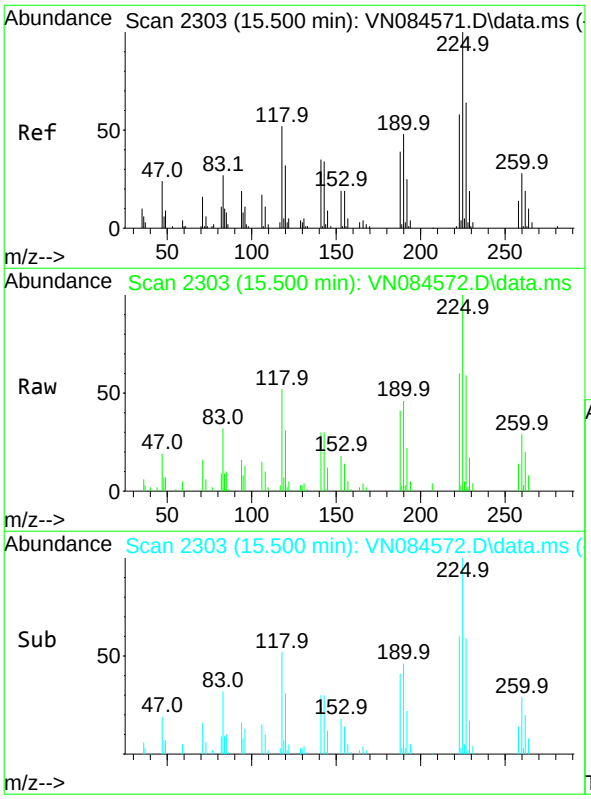
Ion	Ratio	Lower	Upper
180	100		
182	97.9	47.0	141.0
145	35.2	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

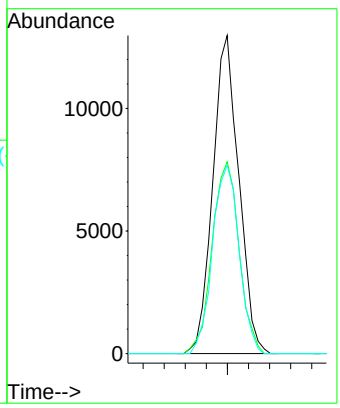
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

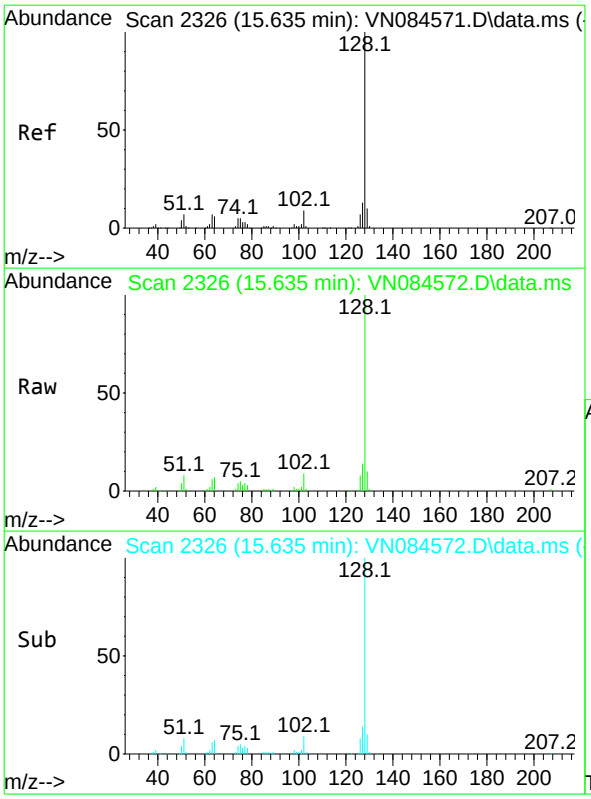


#94
Hexachlorobutadiene
Concen: 20.066 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:225 Resp: 22216

Ion	Ratio	Lower	Upper
225	100		
223	62.5	32.4	97.2
227	60.4	32.4	97.0

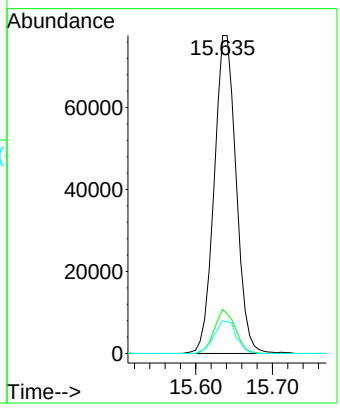




#95
Naphthalene
Concen: 20.404 ug/l
RT: 15.635 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:128 Resp: 153972

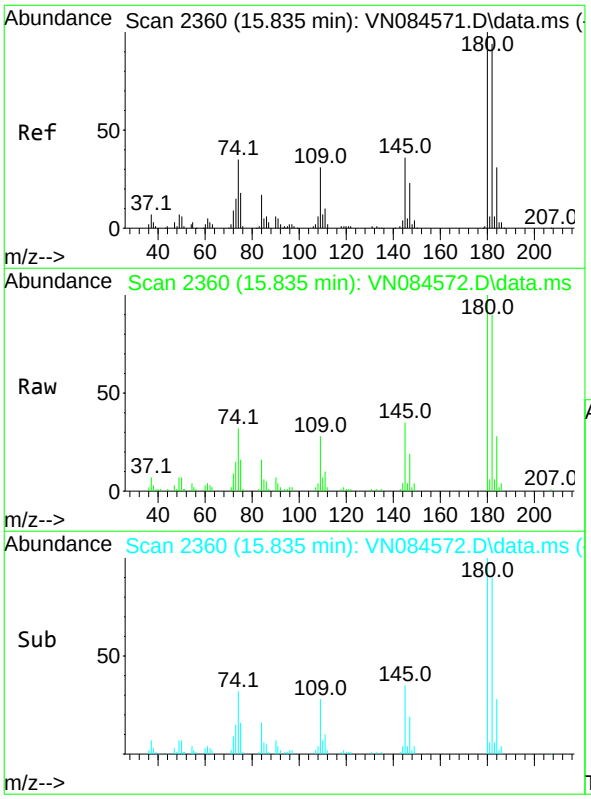
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.5	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

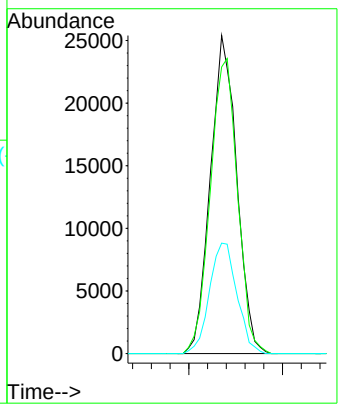
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#96
1,2,3-Trichlorobenzene
Concen: 20.308 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:180 Resp: 49699

Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.2	144.6
145	36.2	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	179863	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	312244	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	270408	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127178	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.583	65	25986	10.003	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 20.000%#				
35) Dibromofluoromethane	8.159	113	20969	9.921	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 19.840%#				
50) Toluene-d8	10.565	98	76892	9.876	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 19.760%#				
62) 4-Bromofluorobenzene	12.847	95	28191	9.689	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 19.380%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	21501	10.399	ug/l		96
3) Chloromethane	2.359	50	31342	10.950	ug/l		98
4) Vinyl Chloride	2.512	62	22896	10.295	ug/l		93
5) Bromomethane	2.901	94	12071	10.245	ug/l		95
6) Chloroethane	3.059	64	15315	10.010	ug/l	#	83
7) Trichlorofluoromethane	3.459	101	36747	10.031	ug/l		99
8) Diethyl Ether	3.953	74	13090	10.129	ug/l		100
9) 1,1,2-Trichlorotrifluo...	4.353	101	21028	10.158	ug/l		98
10) Methyl Iodide	4.577	142	28795	10.408	ug/l		97
11) Tert butyl alcohol	5.542	59	17899	52.198	ug/l	#	85
12) 1,1-Dichloroethene	4.324	96	20669	10.091	ug/l		87
13) Acrolein	4.177	56	17284	50.547	ug/l		99
14) Allyl chloride	5.012	41	33287	10.021	ug/l		93
15) Acrylonitrile	5.718	53	50731	51.104	ug/l		98
16) Acetone	4.430	43	40100	51.168	ug/l		93
17) Carbon Disulfide	4.695	76	61652	9.774	ug/l		97
18) Methyl Acetate	5.030	43	37538	10.544	ug/l		100
19) Methyl tert-butyl Ether	5.789	73	64007	10.195	ug/l		97
20) Methylene Chloride	5.265	84	23684	10.366	ug/l		94
21) trans-1,2-Dichloroethene	5.771	96	21581	10.261	ug/l		84
22) Diisopropyl ether	6.671	45	68672	10.404	ug/l	#	97
23) Vinyl Acetate	6.600	43	233407	51.279	ug/l		99
24) 1,1-Dichloroethane	6.565	63	40556	10.234	ug/l	#	95
25) 2-Butanone	7.483	43	60876	50.229	ug/l		96
26) 2,2-Dichloropropane	7.483	77	35189	10.203	ug/l		100
27) cis-1,2-Dichloroethene	7.483	96	24626	10.028	ug/l		99
28) Bromochloromethane	7.806	49	14918	9.449	ug/l	#	15
29) Tetrahydrofuran	7.841	42	42072	52.326	ug/l		99
30) Chloroform	7.965	83	41496	10.288	ug/l		97
31) Cyclohexane	8.247	56	37514	10.460	ug/l		96
32) 1,1,1-Trichloroethane	8.165	97	38612	10.518	ug/l		94
36) 1,1-Dichloropropene	8.371	75	29218	9.968	ug/l		99
37) Ethyl Acetate	7.559	43	25249	9.494	ug/l		96
38) Carbon Tetrachloride	8.359	117	34214	10.443	ug/l		95
39) Methylcyclohexane	9.600	83	30390	10.191	ug/l		96
40) Benzene	8.606	78	94121	9.999	ug/l		95

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.777	41	14485	10.128 ug/l		96
42) 1,2-Dichloroethane	8.671	62	30752	10.087 ug/l		99
43) Isopropyl Acetate	8.688	43	55871	10.611 ug/l		94
44) Trichloroethene	9.353	130	21099	9.719 ug/l		98
45) 1,2-Dichloropropane	9.618	63	22314	10.105 ug/l		96
46) Dibromomethane	9.706	93	15211	9.762 ug/l		99
47) Bromodichloromethane	9.883	83	32612	9.929 ug/l	#	93
48) Methyl methacrylate	9.683	41	20961	10.127 ug/l		98
49) 1,4-Dioxane	9.700	88	7375	201.076 ug/l	#	76
51) 4-Methyl-2-Pentanone	10.447	43	130324	51.405 ug/l		99
52) Toluene	10.630	92	56321	10.230 ug/l		100
53) t-1,3-Dichloropropene	10.835	75	33220	9.771 ug/l		95
54) cis-1,3-Dichloropropene	10.312	75	35562	9.883 ug/l		92
55) 1,1,2-Trichloroethane	11.018	97	21367	10.303 ug/l		94
56) Ethyl methacrylate	10.871	69	29804	9.936 ug/l		98
57) 1,3-Dichloropropane	11.165	76	35790	10.056 ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	66790	47.583 ug/l		97
59) 2-Hexanone	11.200	43	92772	50.273 ug/l		100
60) Dibromochloromethane	11.359	129	24541	10.383 ug/l		97
61) 1,2-Dibromoethane	11.471	107	20895	9.839 ug/l		97
64) Tetrachloroethene	11.100	164	18777	10.439 ug/l		94
65) Chlorobenzene	11.888	112	60746	10.041 ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	21080	10.018 ug/l		98
67) Ethyl Benzene	11.965	91	101653	10.067 ug/l		99
68) m/p-Xylenes	12.071	106	75857	19.842 ug/l		100
69) o-Xylene	12.394	106	36696	10.261 ug/l		100
70) Styrene	12.412	104	61865	9.916 ug/l		98
71) Bromoform	12.576	173	15630	9.871 ug/l	#	95
73) Isopropylbenzene	12.694	105	91683	10.287 ug/l		98
74) N-amyl acetate	12.494	43	38841	10.240 ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	30270	10.175 ug/l		97
76) 1,2,3-Trichloropropane	12.994	75	25940m	10.336 ug/l		
77) Bromobenzene	12.982	156	23987	10.012 ug/l		94
78) n-propylbenzene	13.035	91	106518	10.199 ug/l		99
79) 2-Chlorotoluene	13.123	91	68678	10.064 ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	77273	10.461 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	11334	10.577 ug/l		96
82) 4-Chlorotoluene	13.218	91	71787	9.996 ug/l		99
83) tert-Butylbenzene	13.435	119	62600	10.240 ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	78207	10.258 ug/l		98
85) sec-Butylbenzene	13.612	105	89469	10.361 ug/l		99
86) p-Isopropyltoluene	13.729	119	72307	10.210 ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	45832	9.802 ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	47483	10.276 ug/l		97
89) n-Butylbenzene	14.053	91	62495	9.433 ug/l		100
90) Hexachloroethane	14.335	117	16100	10.194 ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	44055	9.805 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	5744	9.531 ug/l		97
93) 1,2,4-Trichlorobenzene	15.394	180	22413	9.114 ug/l		97
94) Hexachlorobutadiene	15.494	225	10263	9.503 ug/l		97
95) Naphthalene	15.641	128	68919	9.363 ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	22303	9.342 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
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Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
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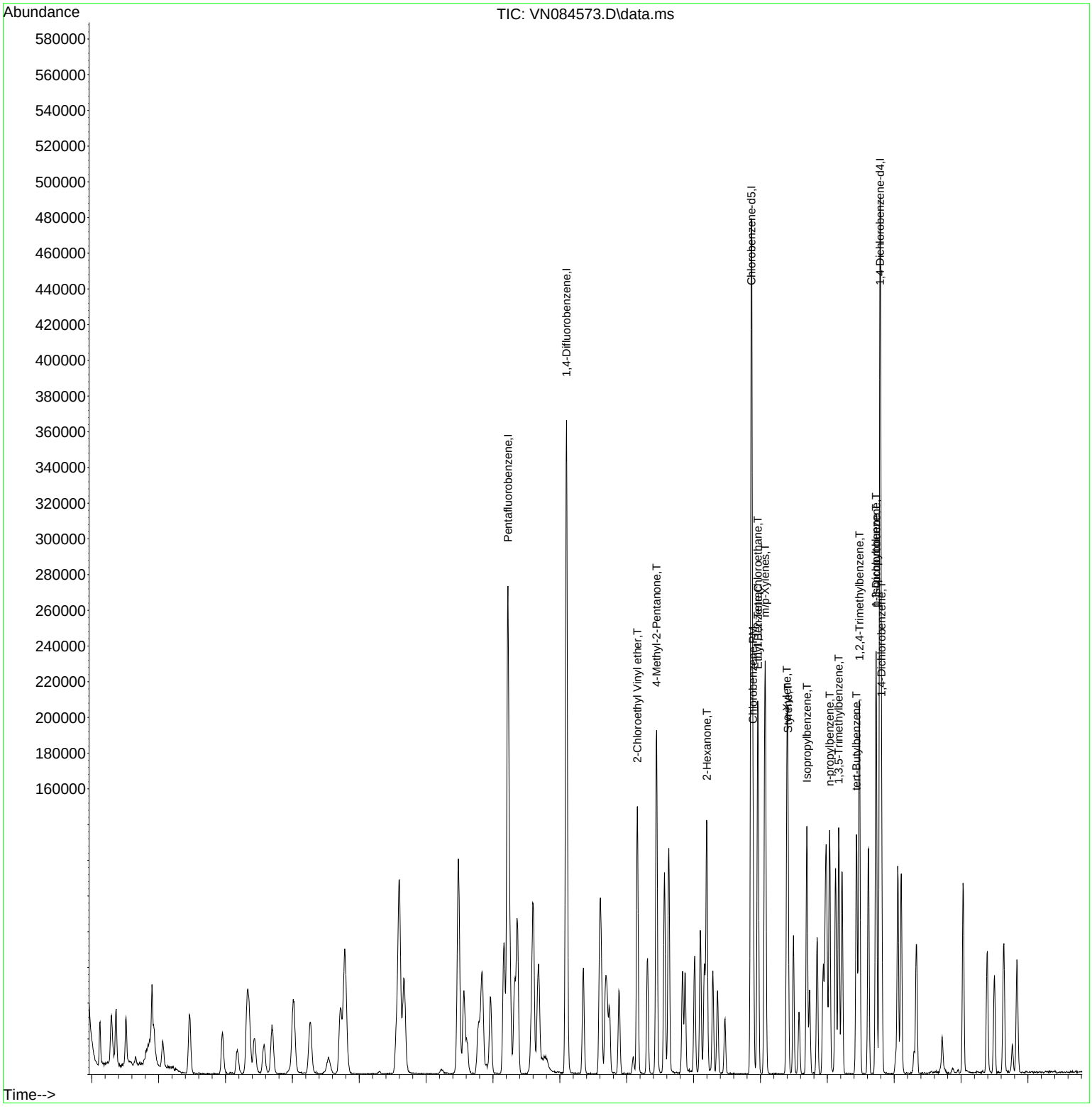
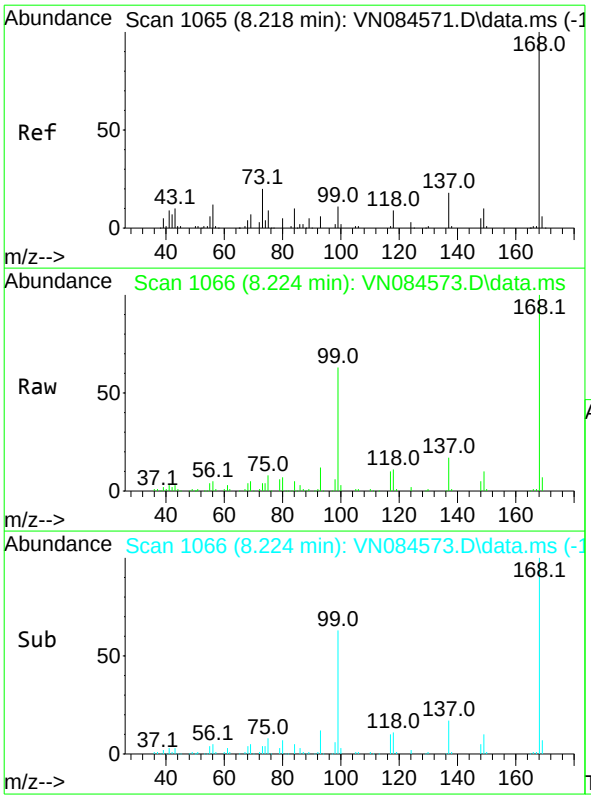
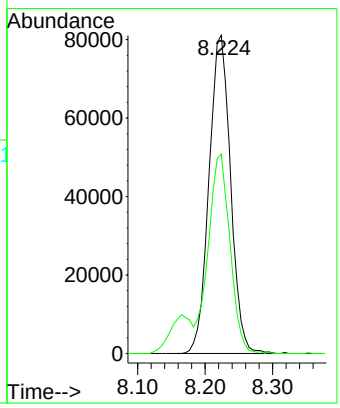




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:168 Resp: 179863

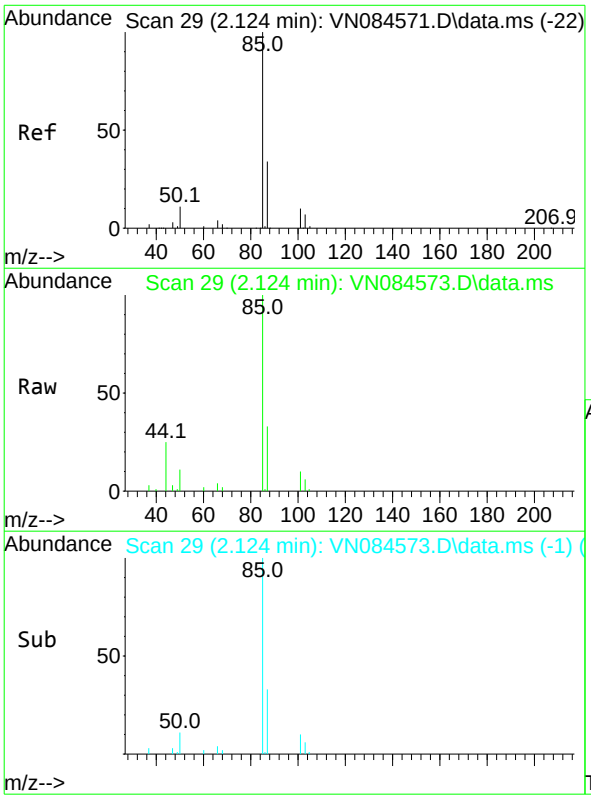
Ion	Ratio	Lower	Upper
168	100		
99	62.6	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

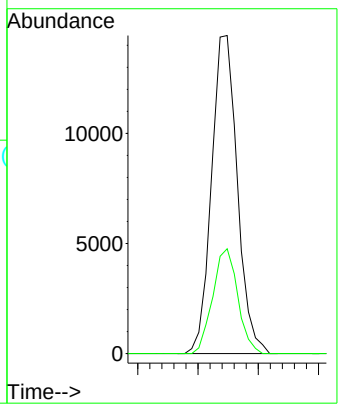
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

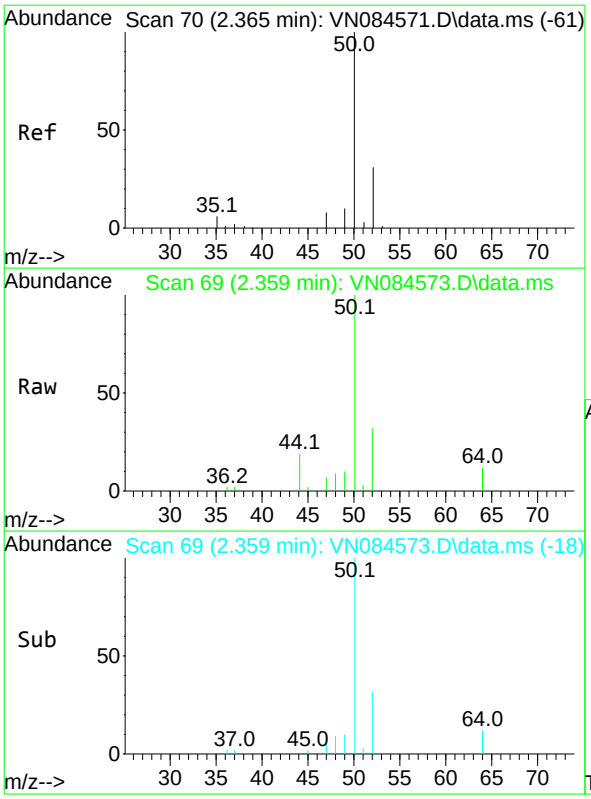


#2
Dichlorodifluoromethane
Concen: 10.399 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 85 Resp: 21501

Ion	Ratio	Lower	Upper
85	100		
87	33.0	17.6	52.9

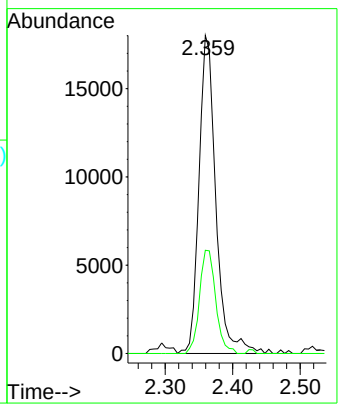




#3
Chloromethane
Concen: 10.950 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 50 Resp: 31342

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
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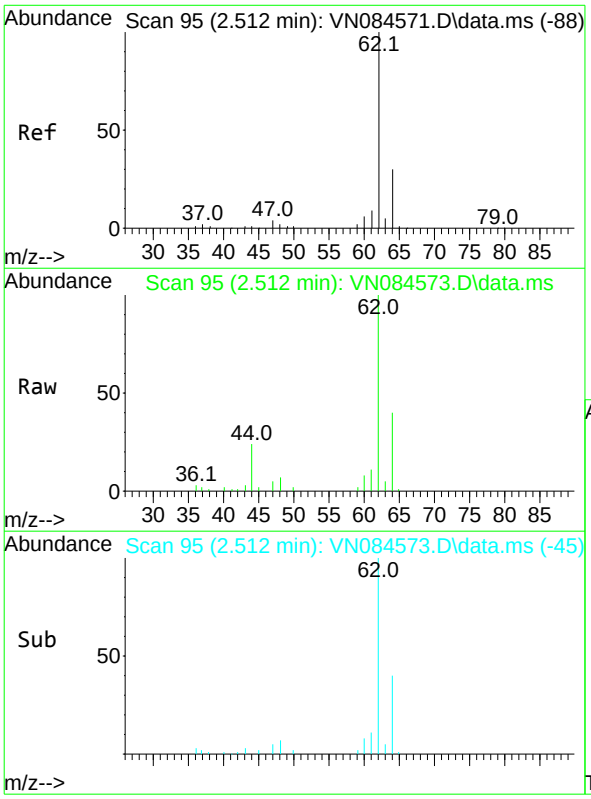
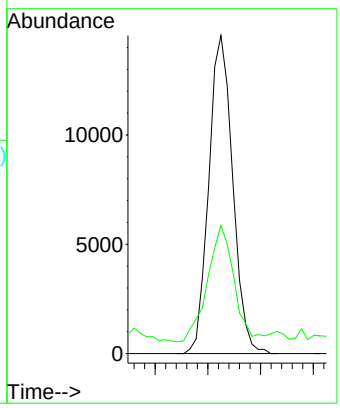
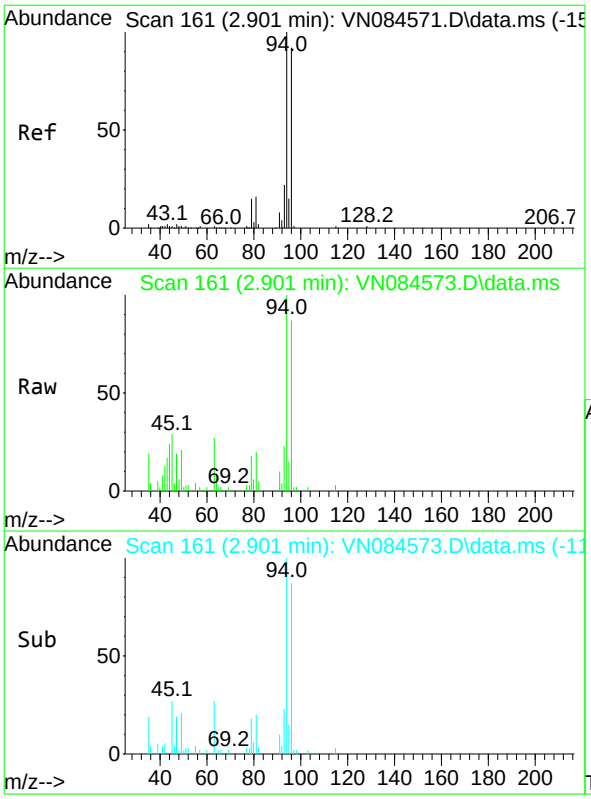


#4
Vinyl Chloride
Concen: 10.295 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 62 Resp: 22896

Ion	Ratio	Lower	Upper
62	100		
64	36.6	26.2	39.4

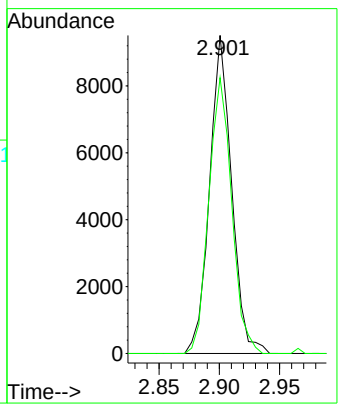




#5
Bromomethane
Concen: 10.245 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.052 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 94 Resp: 12071

Ion	Ratio	Lower	Upper
94	100		
96	86.7	72.9	109.3



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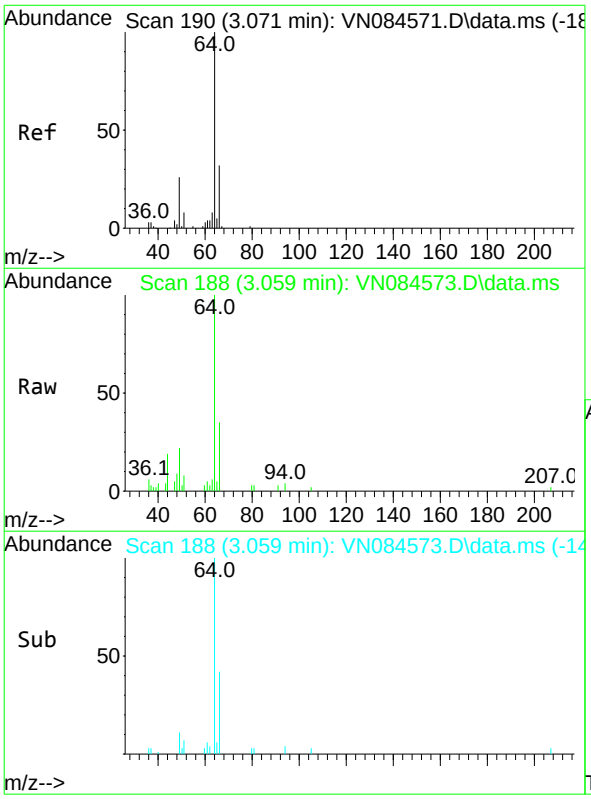
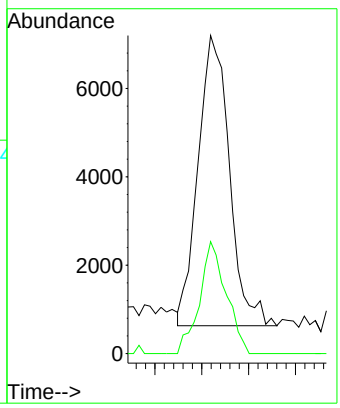
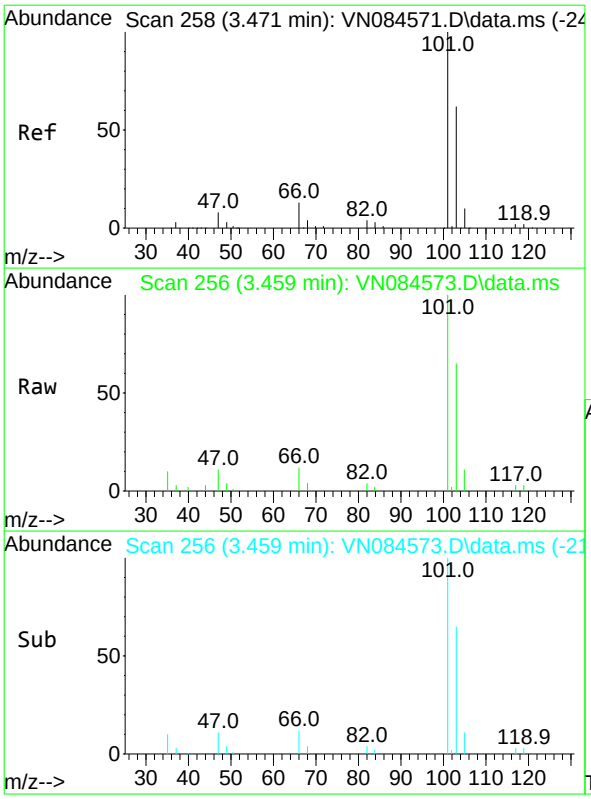


#6
Chloroethane
Concen: 10.010 ug/l
RT: 3.059 min Scan# 188
Delta R.T. -0.059 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 64 Resp: 15315

Ion	Ratio	Lower	Upper
64	100		
66	38.6	23.5	35.3#

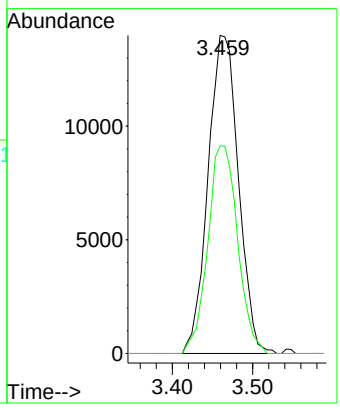




#7
Trichlorofluoromethane
Concen: 10.031 ug/l
RT: 3.459 min Scan# 25
Delta R.T. -0.036 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:101 Resp: 36747

Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.8	77.6



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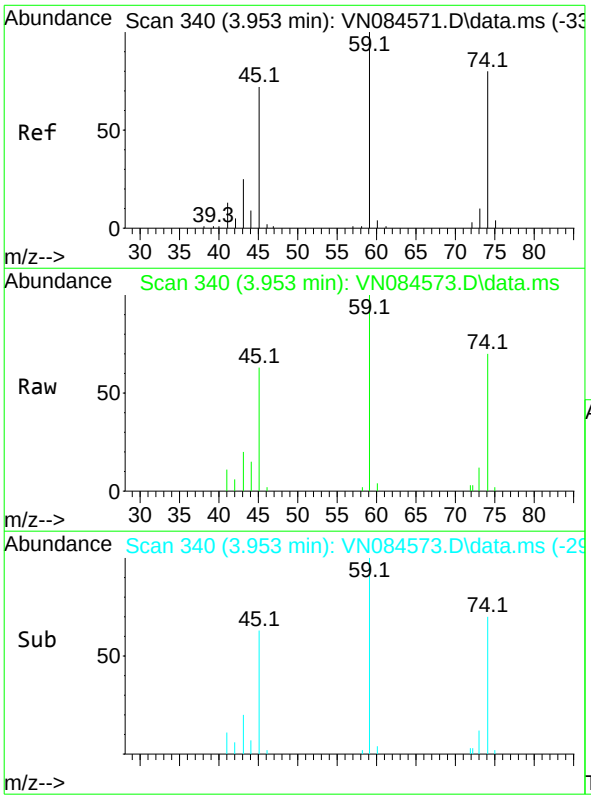
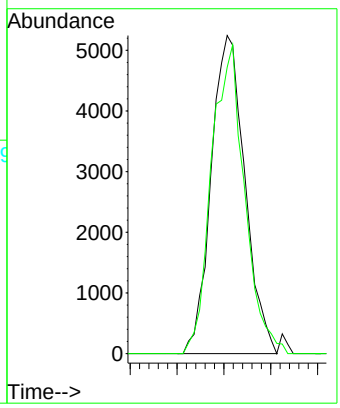
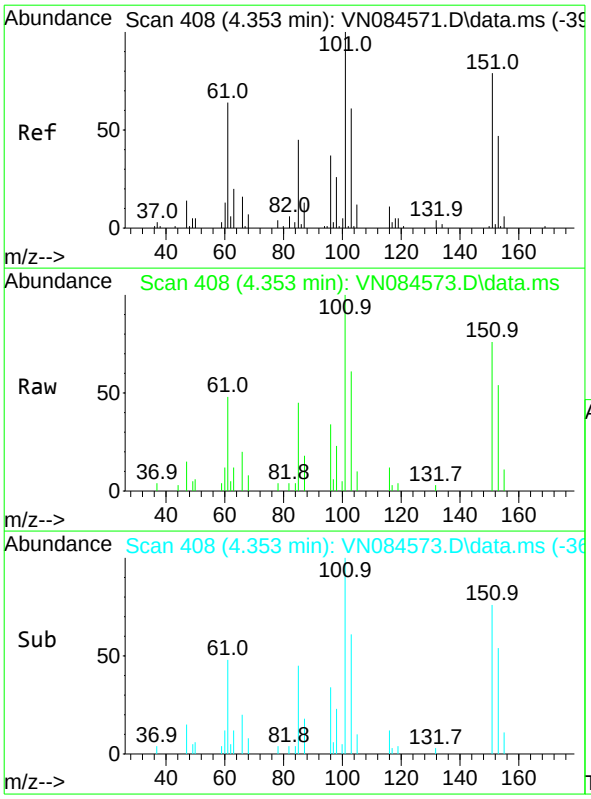


#8
Diethyl Ether
Concen: 10.129 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 74 Resp: 13090

Ion	Ratio	Lower	Upper
74	100		
45	95.3	47.7	143.1

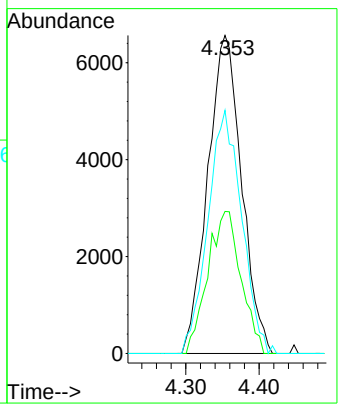




#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.158 ug/l
RT: 4.353 min Scan# 40
Delta R.T. -0.018 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:101 Resp: 21028

Ion	Ratio	Lower	Upper
101	100		
85	43.9	36.2	54.4
151	76.4	59.3	88.9



Instrument :
MSVOA_N
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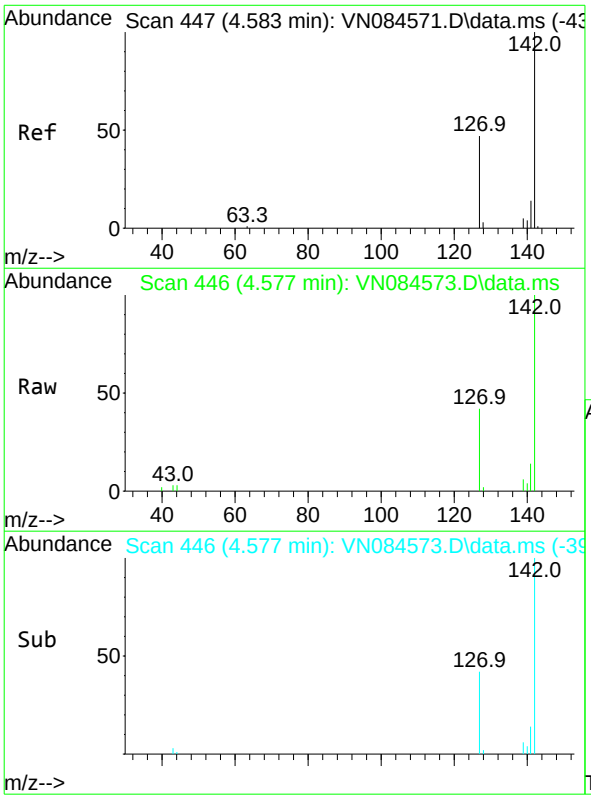
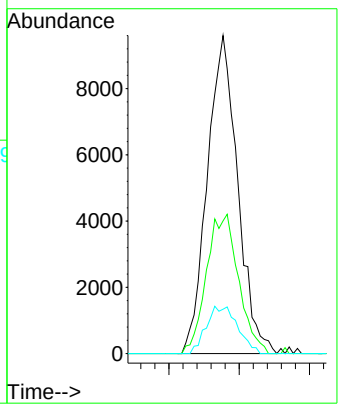
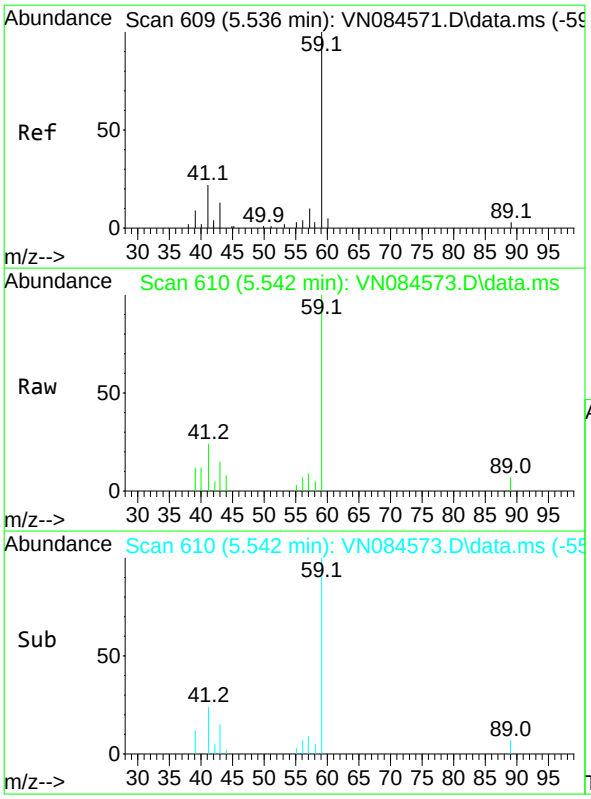


#10
Methyl Iodide
Concen: 10.408 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:142 Resp: 28795

Ion	Ratio	Lower	Upper
142	100		
127	41.7	35.3	52.9
141	13.9	11.0	16.6

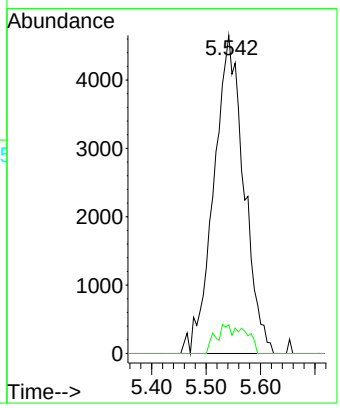




#11
Tert butyl alcohol
Concen: 52.198 ug/l
RT: 5.542 min Scan# 61
Delta R.T. 0.018 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 59 Resp: 17899

Ion	Ratio	Lower	Upper
59	100		
57	4.7	8.2	12.2#



Instrument :
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ClientSampleId :
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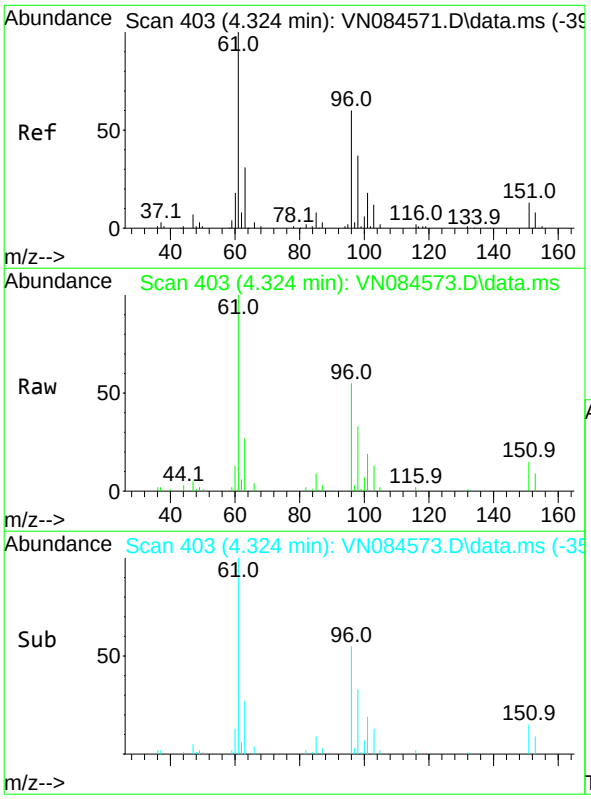
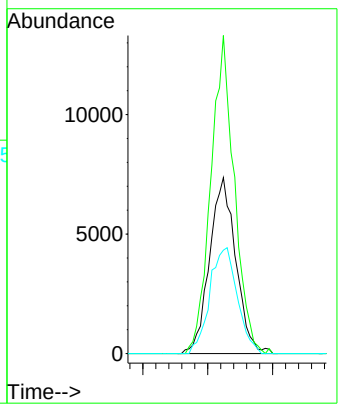
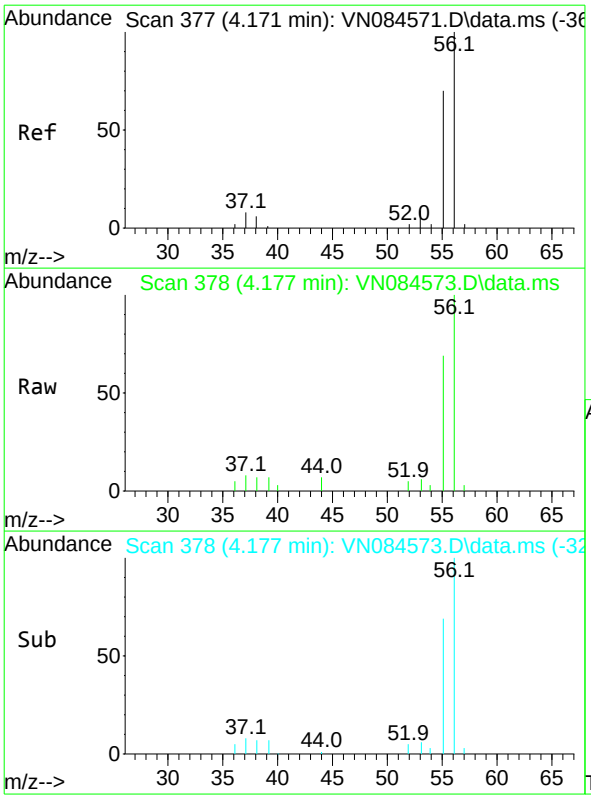


#12
1,1-Dichloroethene
Concen: 10.091 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 96 Resp: 20669

Ion	Ratio	Lower	Upper
96	100		
61	180.8	128.6	192.8
98	58.8	51.7	77.5

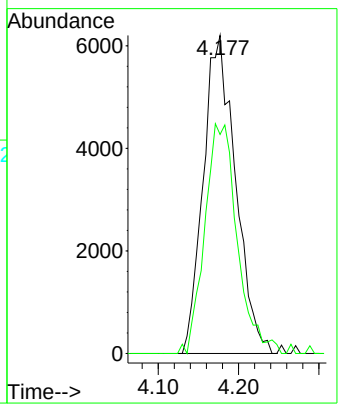




#13
Acrolein
Concen: 50.547 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 56 Resp: 17284

Ion	Ratio	Lower	Upper
56	100		
55	72.7	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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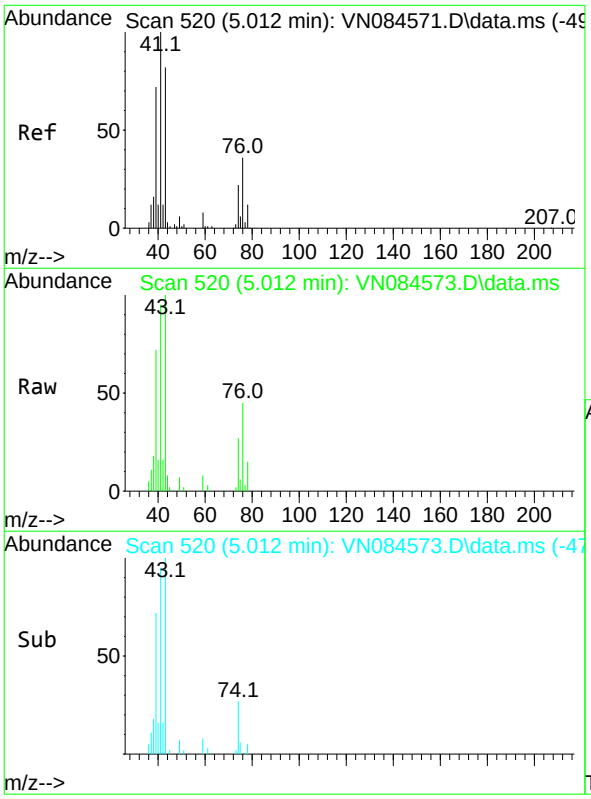
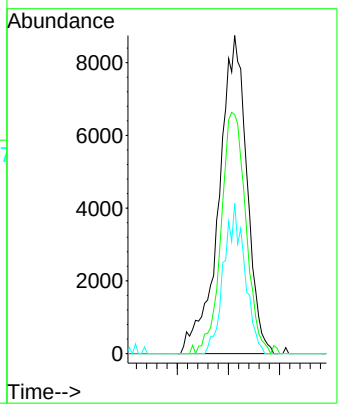
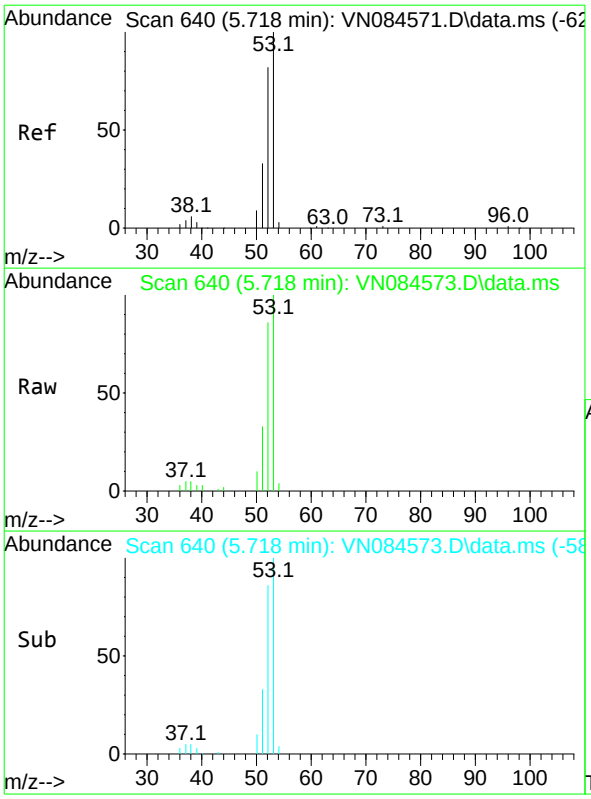


#14
Allyl chloride
Concen: 10.021 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 41 Resp: 33287

Ion	Ratio	Lower	Upper
41	100		
39	66.7	59.0	88.6
76	35.1	29.8	44.6

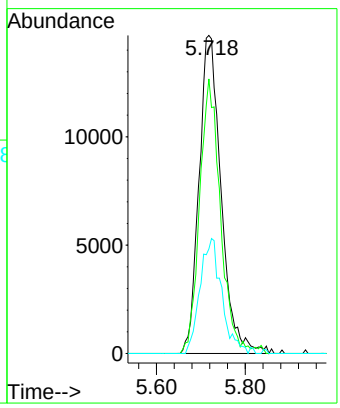




#15
Acrylonitrile
Concen: 51.104 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 53 Resp: 50731

Ion	Ratio	Lower	Upper
53	100		
52	80.9	66.2	99.4
51	35.5	28.8	43.2



Instrument :
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ClientSampleId :
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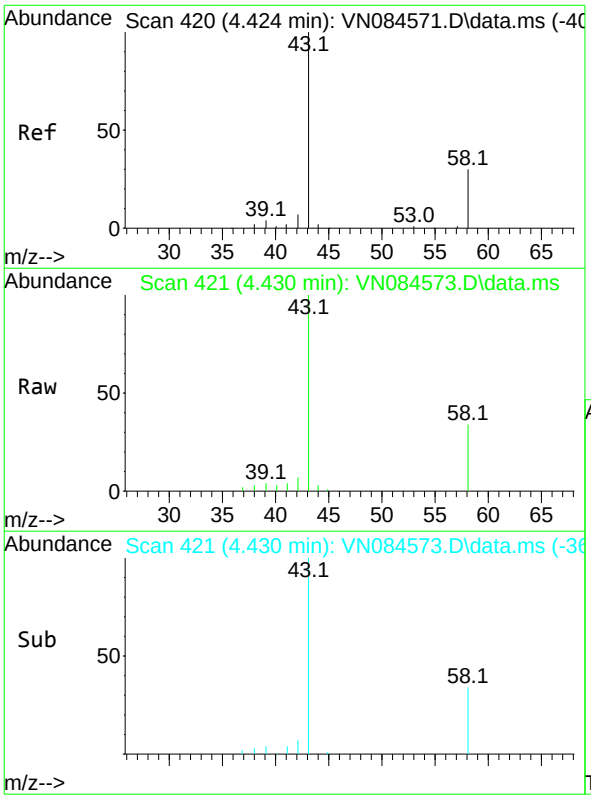
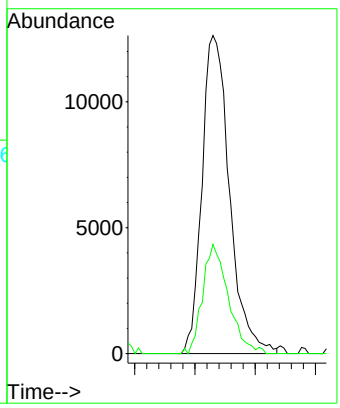
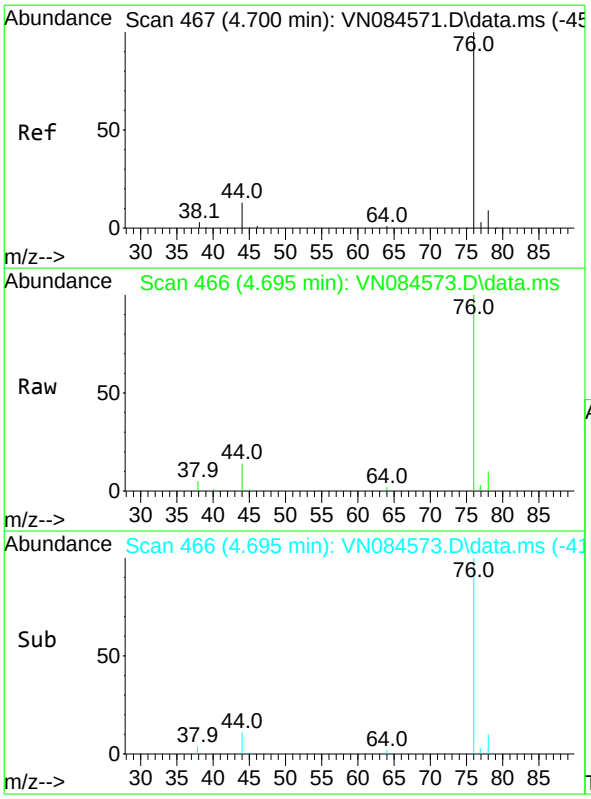


#16
Acetone
Concen: 51.168 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 43 Resp: 40100

Ion	Ratio	Lower	Upper
43	100		
58	34.3	24.4	36.6

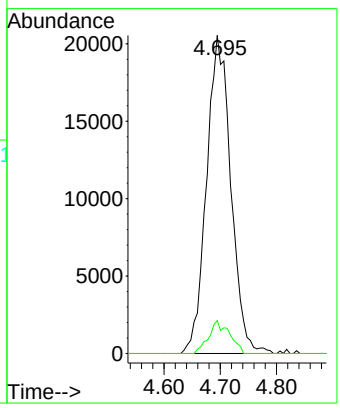




#17
Carbon Disulfide
Concen: 9.774 ug/l
RT: 4.695 min Scan# 46
Delta R.T. -0.017 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 76 Resp: 61652

Ion	Ratio	Lower	Upper
76	100		
78	10.3	7.3	10.9



Instrument :
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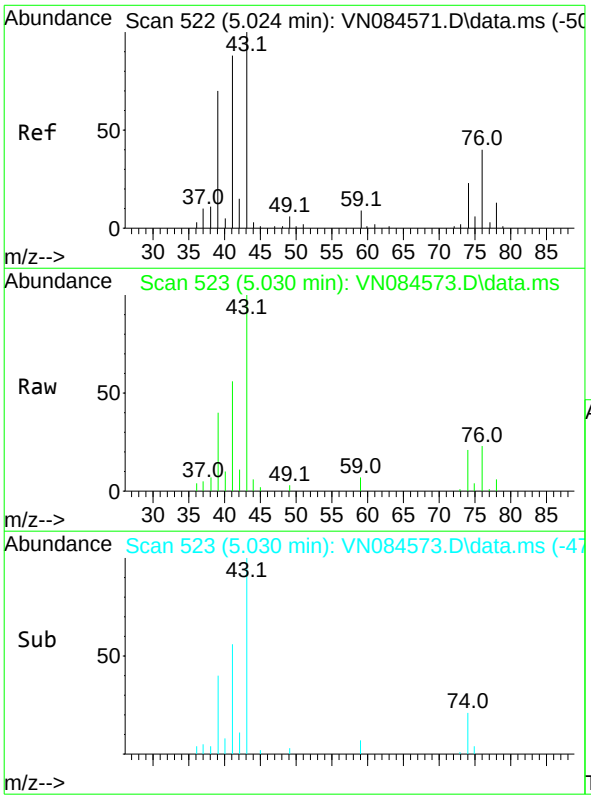
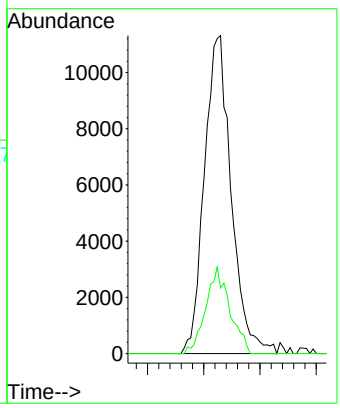
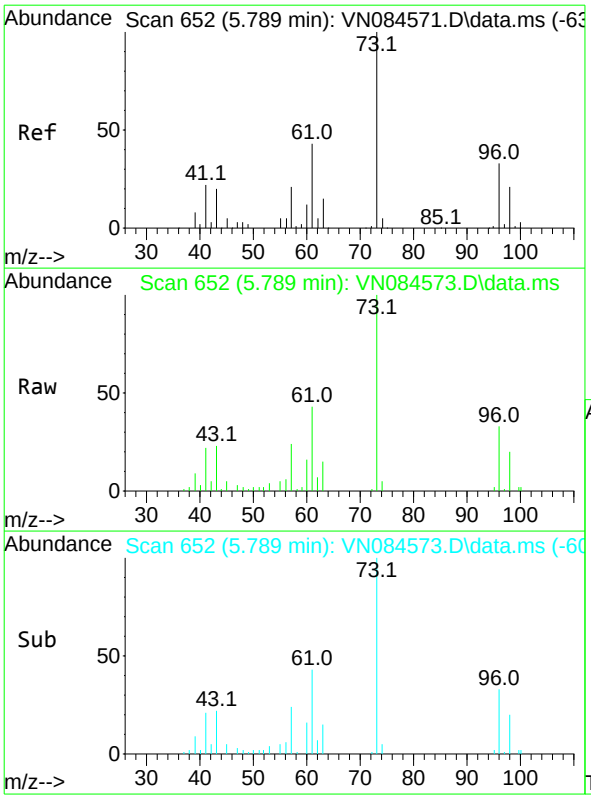


#18
Methyl Acetate
Concen: 10.544 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 43 Resp: 37538

Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.2	28.8

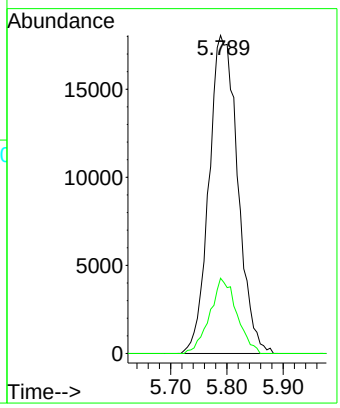




#19
Methyl tert-butyl Ether
Concen: 10.195 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 73 Resp: 64007

Ion	Ratio	Lower	Upper
73	100		
57	23.7	17.7	26.5



Instrument :
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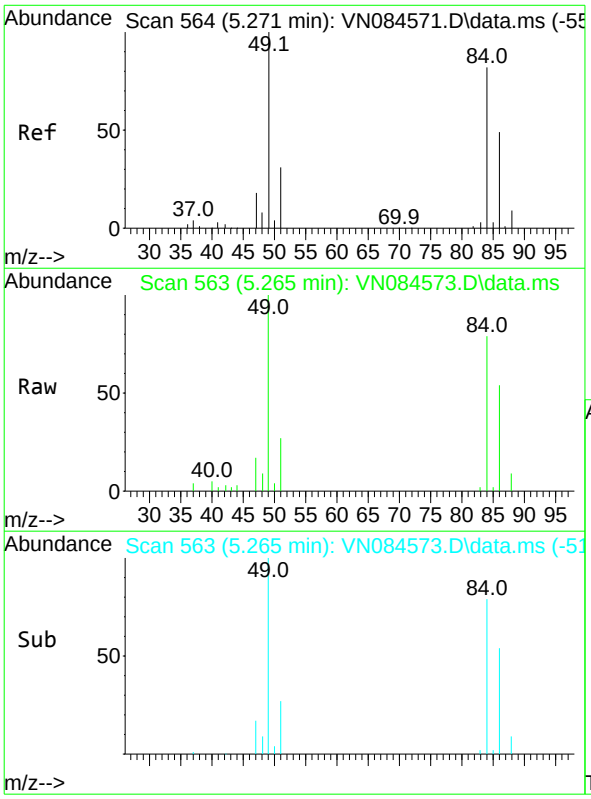
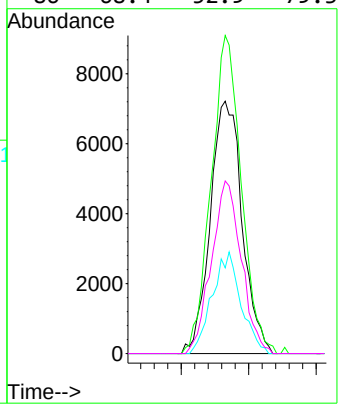
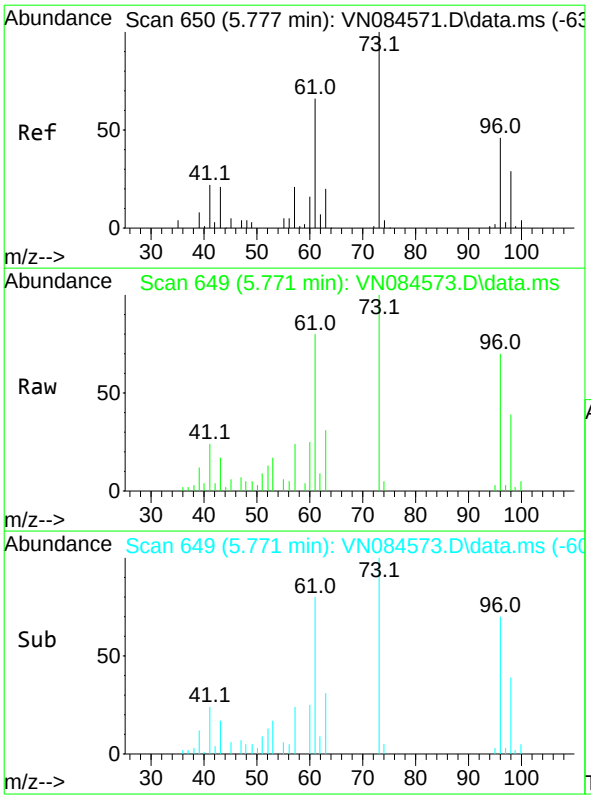


#20
Methylene Chloride
Concen: 10.366 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 84 Resp: 23684

Ion	Ratio	Lower	Upper
84	100		
49	126.0	107.2	160.8
51	34.0	31.8	47.8
86	68.4	52.9	79.3





#21
trans-1,2-Dichloroethene
Concen: 10.261 ug/l
RT: 5.771 min Scan# 64
Delta R.T. -0.018 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 96 Resp: 21581

Ion	Ratio	Lower	Upper
96	100		
61	113.5	108.4	162.6
98	55.0	49.8	74.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
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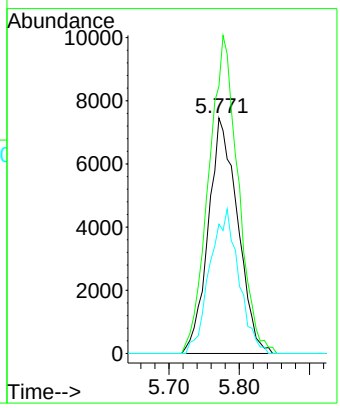
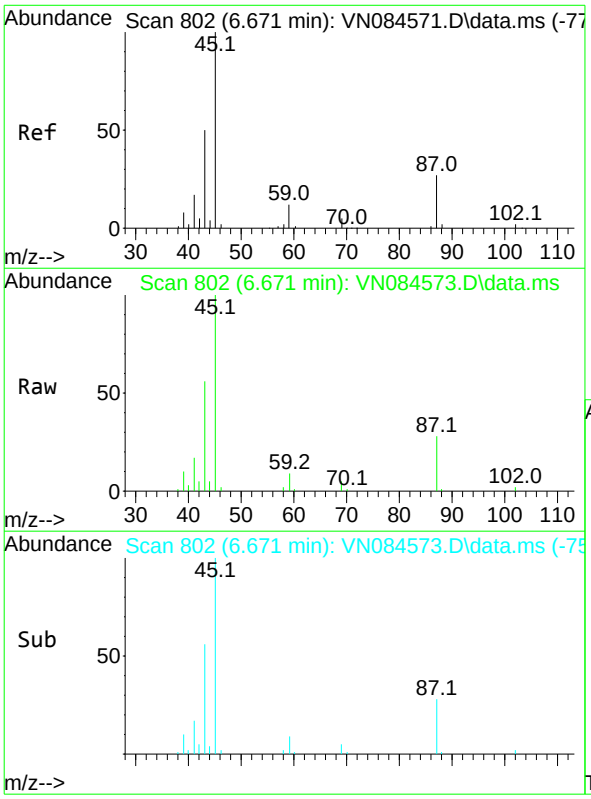
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

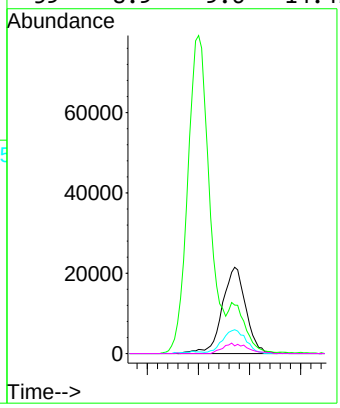


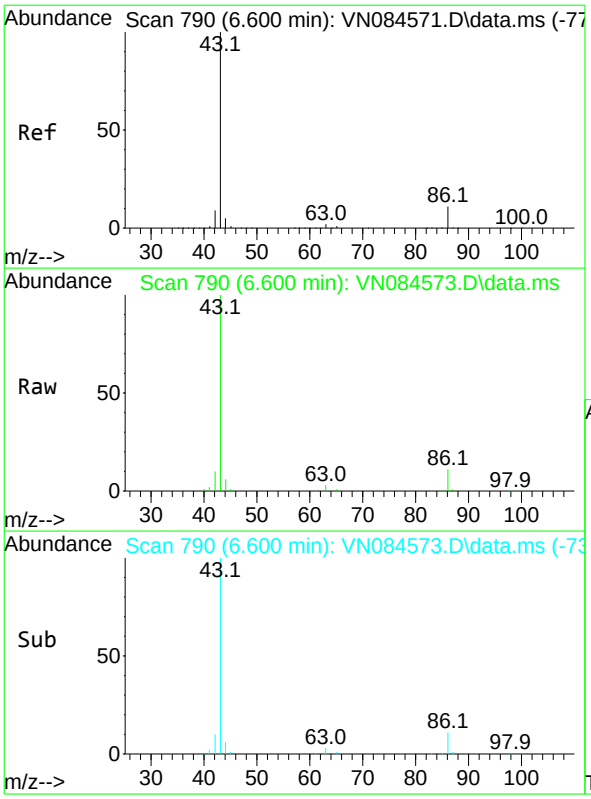


#22
Diisopropyl ether
Concen: 10.404 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 45 Resp: 68672

Ion	Ratio	Lower	Upper
45	100		
43	54.8	42.3	63.5
87	27.7	21.8	32.6
59	8.9	9.6	14.4#

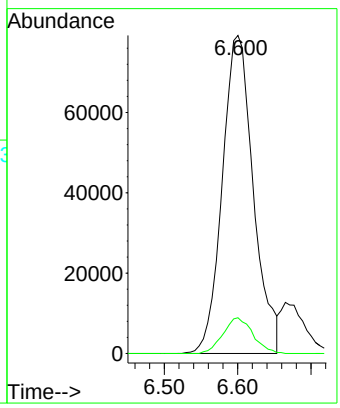




#23
Vinyl Acetate
Concen: 51.279 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 43 Resp: 233407

Ion	Ratio	Lower	Upper
43	100		
86	11.2	8.6	12.8



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ClientSampleId :
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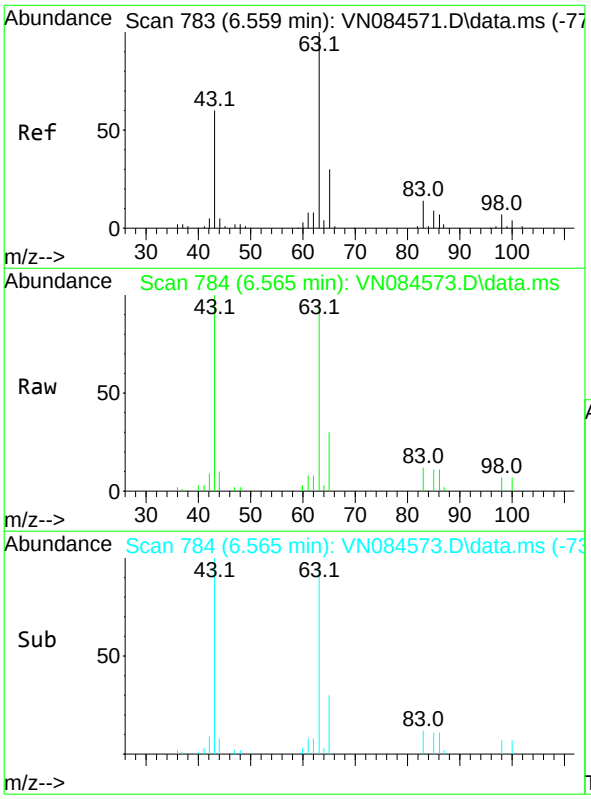
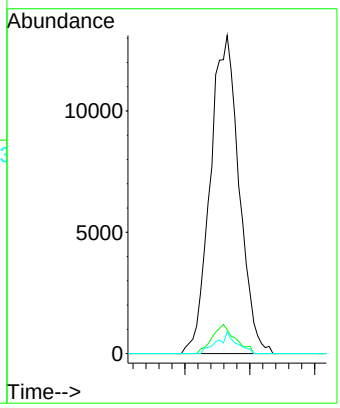
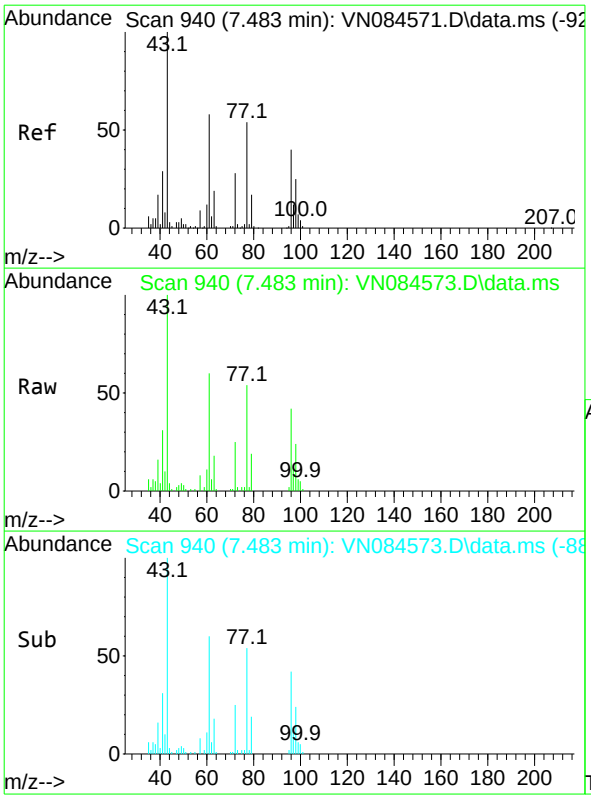


#24
1,1-Dichloroethane
Concen: 10.234 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 63 Resp: 40556

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.4	10.2
100	6.8	2.0	5.8#

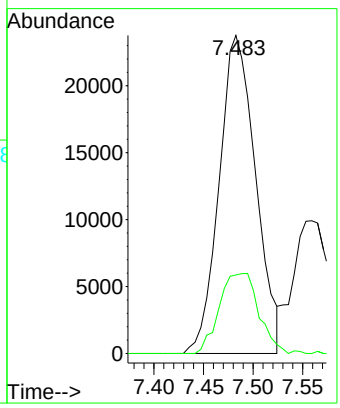




#25
2-Butanone
Concen: 50.229 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 43 Resp: 60876

Ion	Ratio	Lower	Upper
43	100		
72	24.7	21.4	32.2



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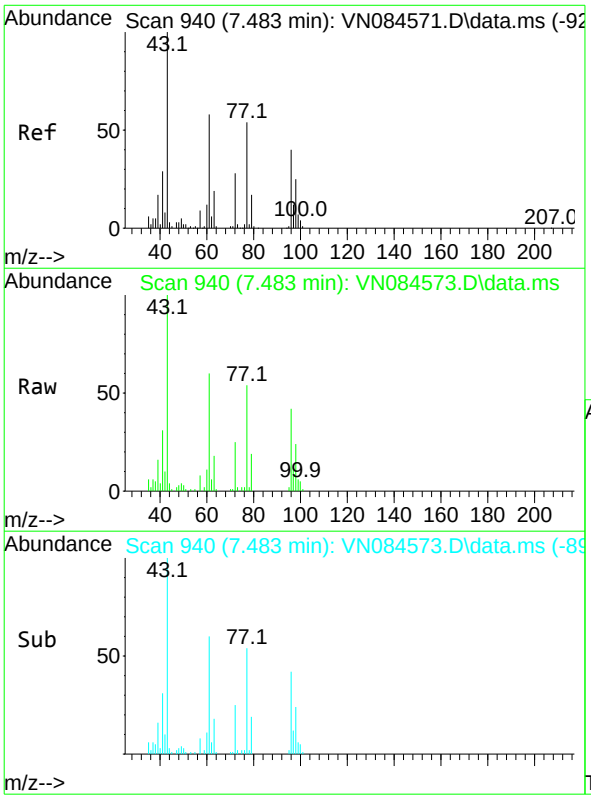
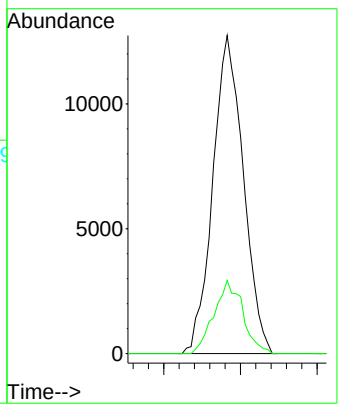
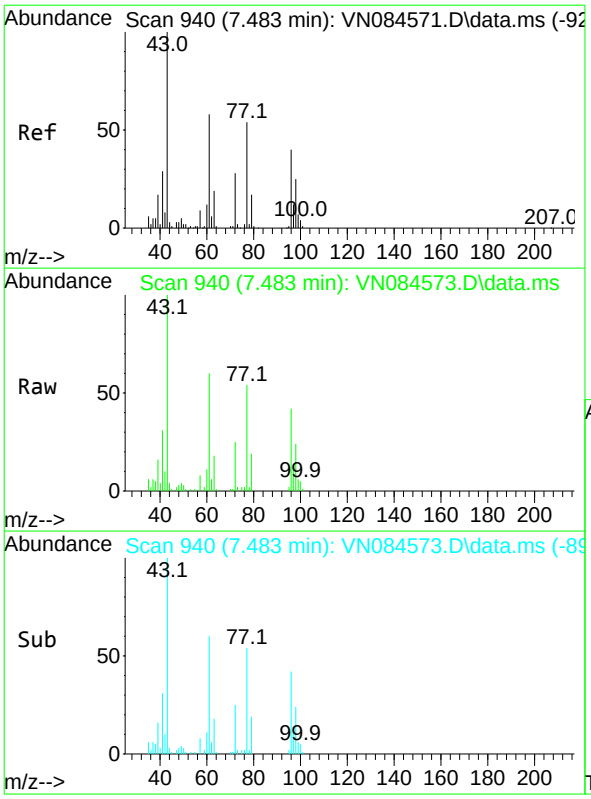


#26
2,2-Dichloropropane
Concen: 10.203 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 77 Resp: 35189

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.8	32.3

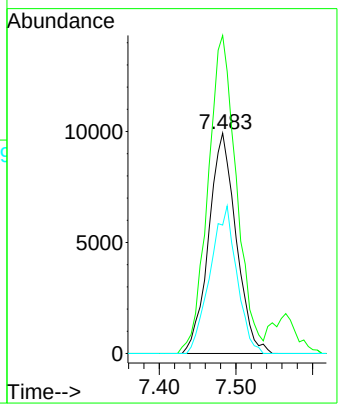




#27
cis-1,2-Dichloroethene
Concen: 10.028 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 96 Resp: 24626

Ion	Ratio	Lower	Upper
96	100		
61	150.1	0.0	301.8
98	65.2	0.0	128.2



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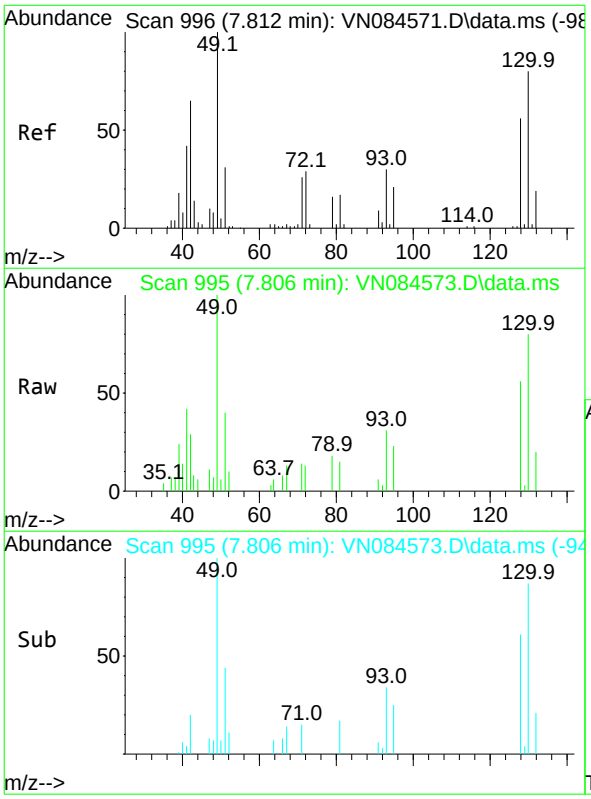
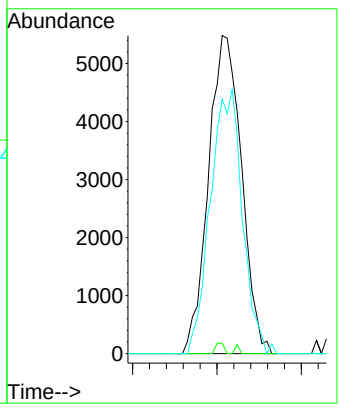
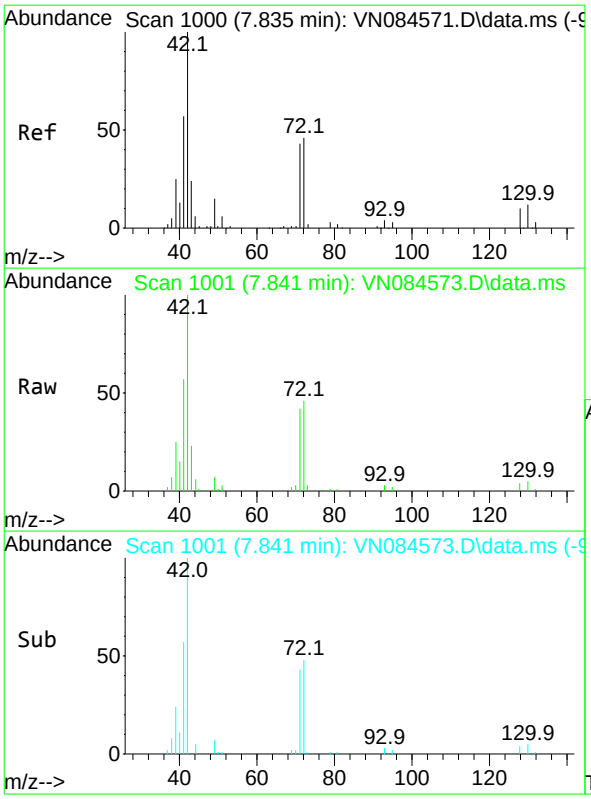


#28
Bromochloromethane
Concen: 9.449 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 49 Resp: 14918

Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.6
130	0.0	58.0	87.0#

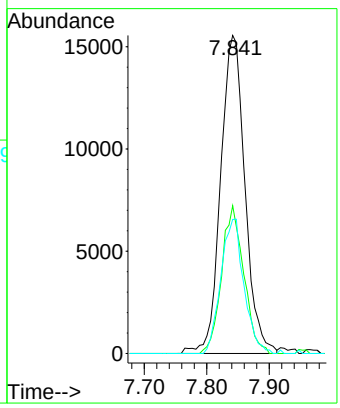




#29
Tetrahydrofuran
Concen: 52.326 ug/l
RT: 7.841 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 42 Resp: 42072

Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.6	51.8
71	40.1	32.2	48.4



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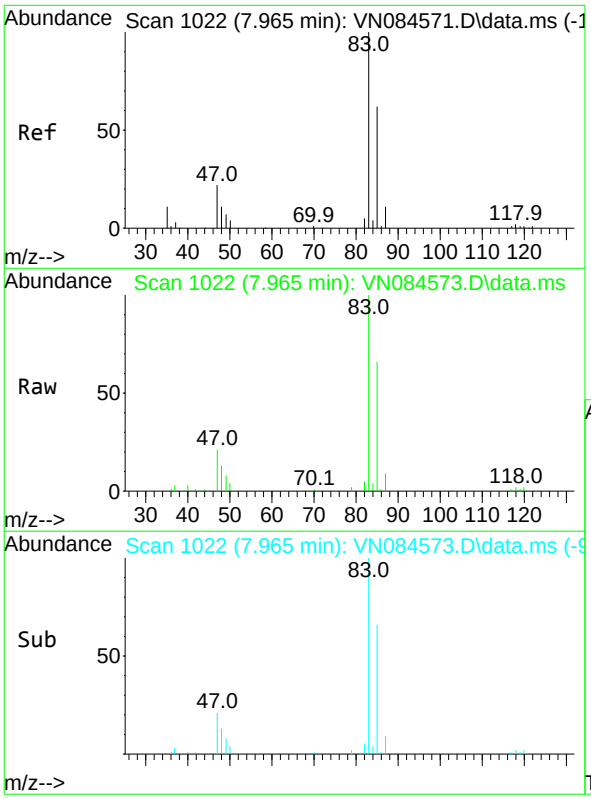
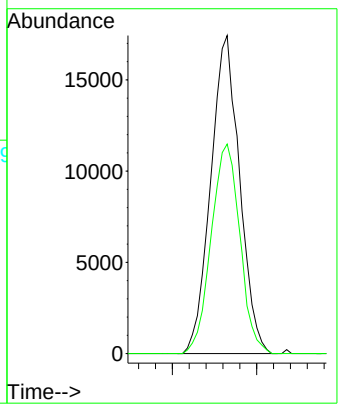
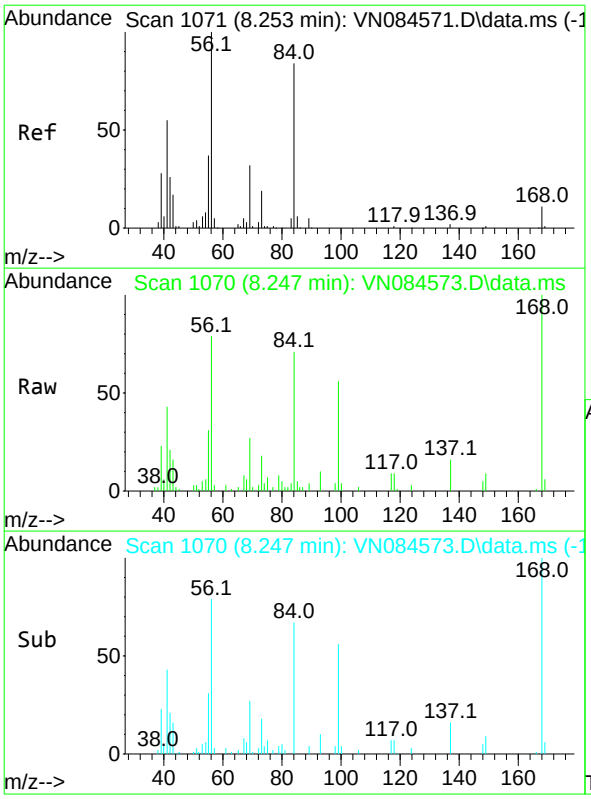


#30
Chloroform
Concen: 10.288 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 83 Resp: 41496

Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.0	76.4

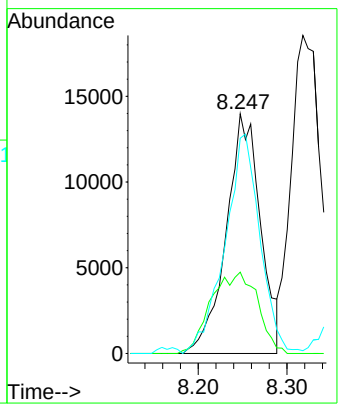




#31
Cyclohexane
Concen: 10.460 ug/l
RT: 8.247 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 56 Resp: 37514

Ion	Ratio	Lower	Upper
56	100		
69	33.9	23.8	35.6
84	88.1	68.8	103.2



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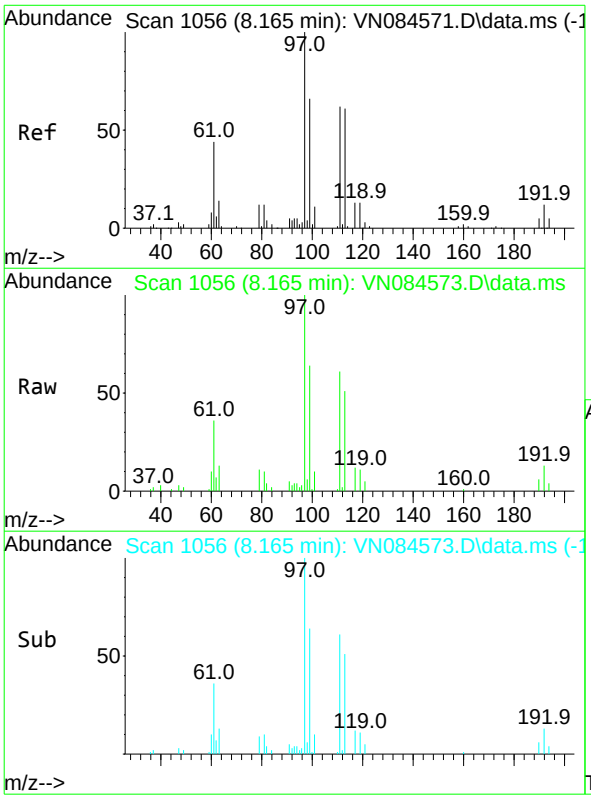
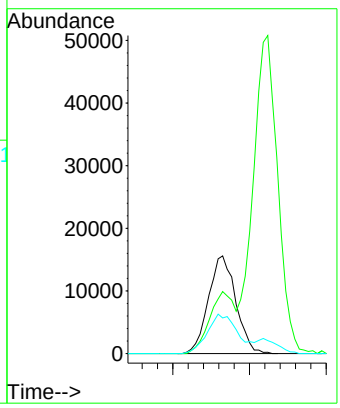
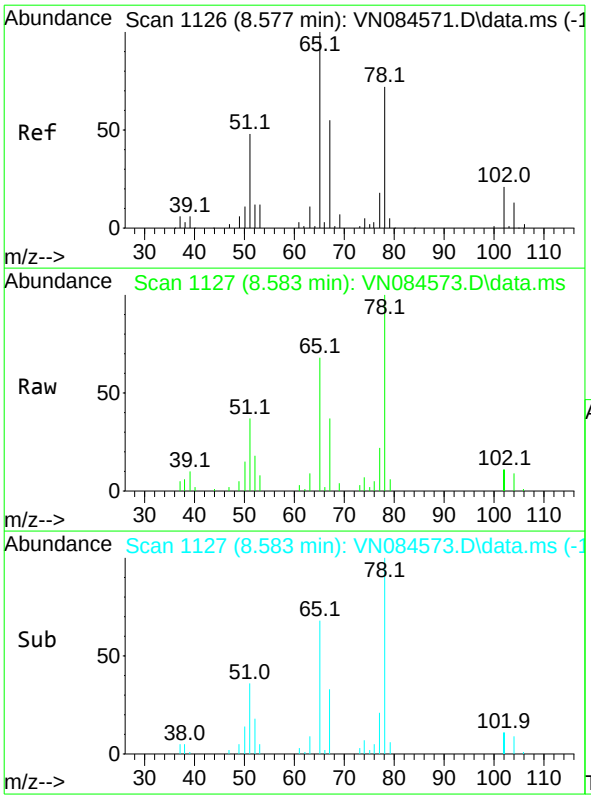


#32
1,1,1-Trichloroethane
Concen: 10.518 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 97 Resp: 38612

Ion	Ratio	Lower	Upper
97	100		
99	57.5	51.2	76.8
61	45.3	37.5	56.3

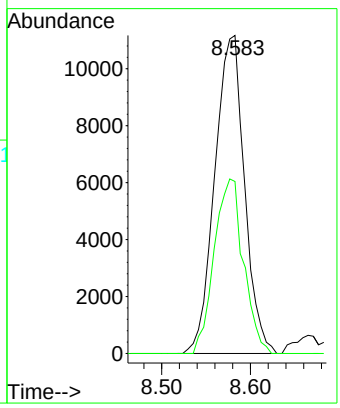




#33
1,2-Dichloroethane-d4
Concen: 10.003 ug/l
RT: 8.583 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 65 Resp: 25986

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	102.0



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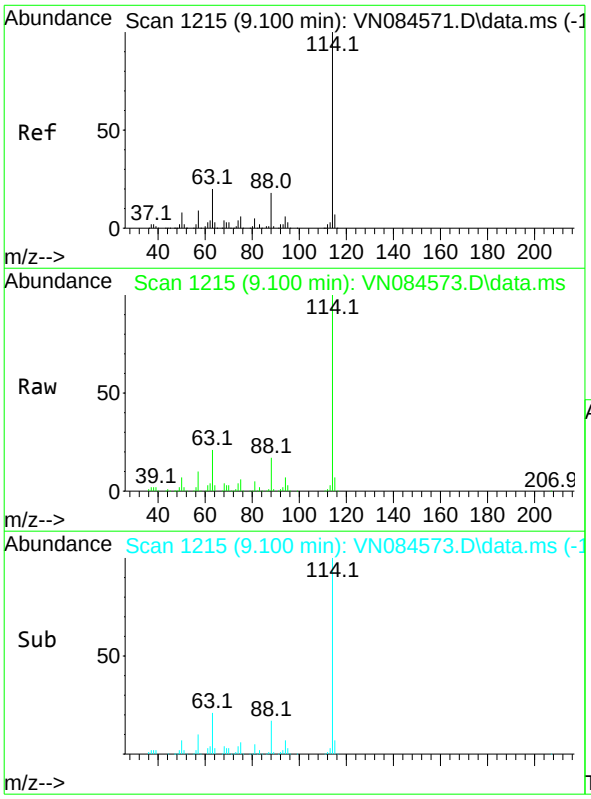
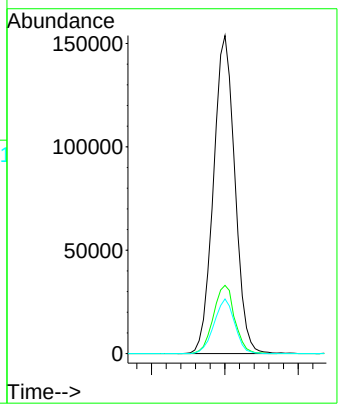
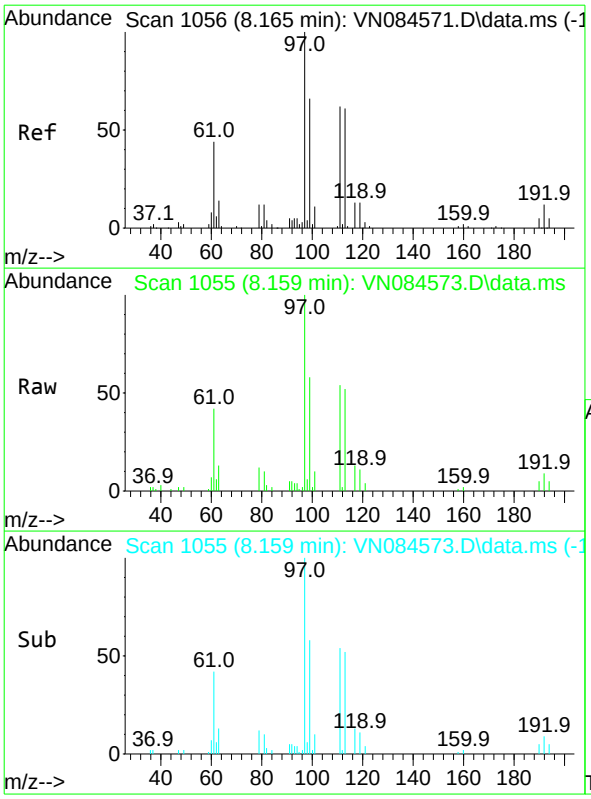


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:114 Resp: 312244

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.8
88	17.2	0.0	31.6

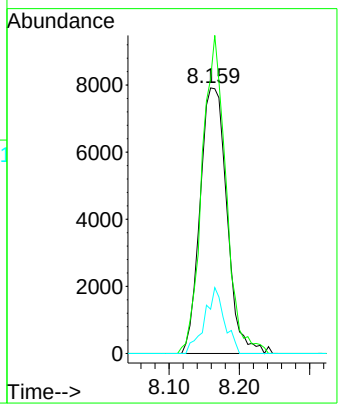




#35
Dibromofluoromethane
Concen: 9.921 ug/l
RT: 8.159 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:113 Resp: 20969

Ion	Ratio	Lower	Upper
113	100		
111	106.8	83.3	124.9
192	18.4	13.5	20.3



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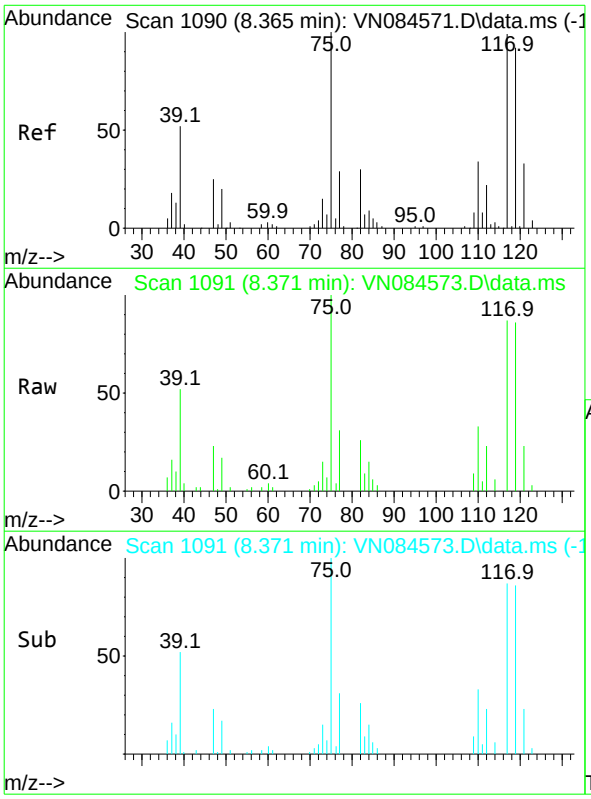
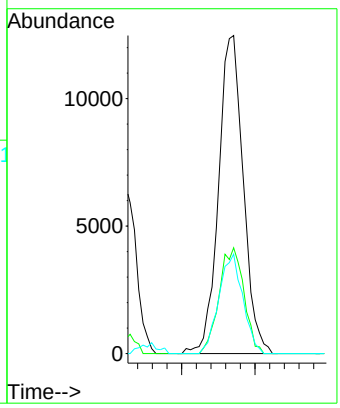
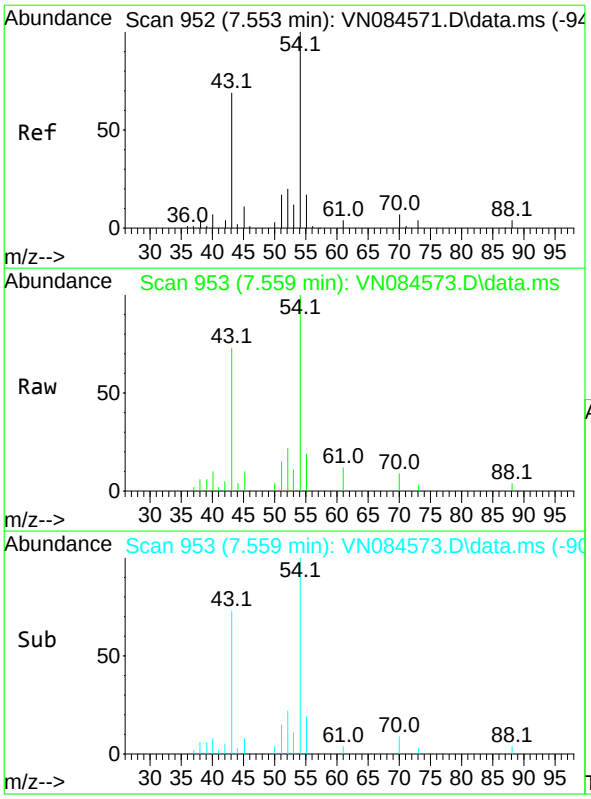


#36
1,1-Dichloropropene
Concen: 9.968 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 75 Resp: 29218

Ion	Ratio	Lower	Upper
75	100		
110	33.3	16.9	50.7
77	30.3	24.7	37.1

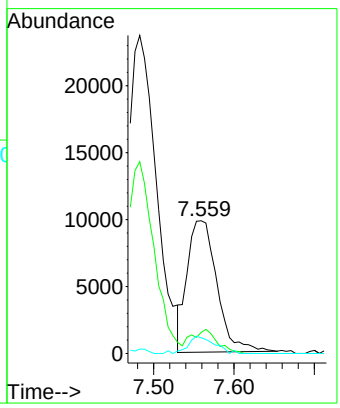




#37
Ethyl Acetate
Concen: 9.494 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 43 Resp: 25249

Ion	Ratio	Lower	Upper
43	100		
61	16.0	10.7	16.1
70	11.6	8.8	13.2



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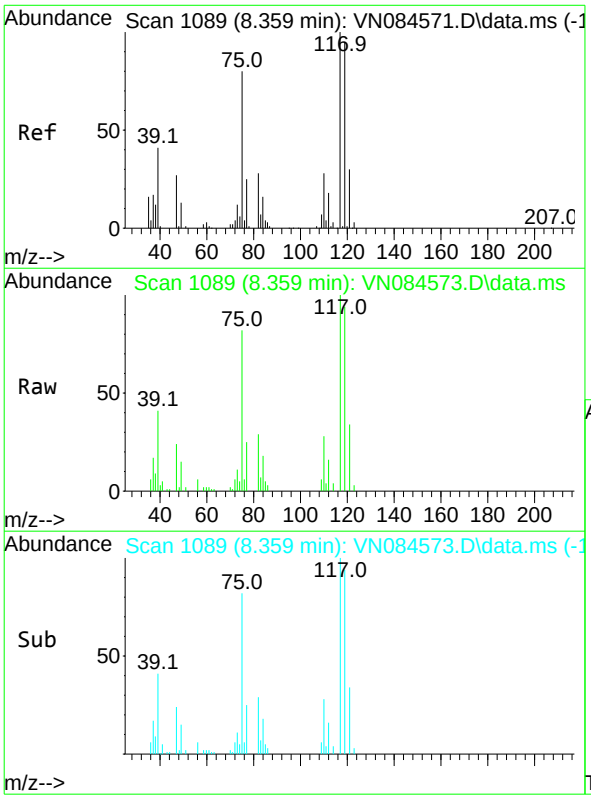
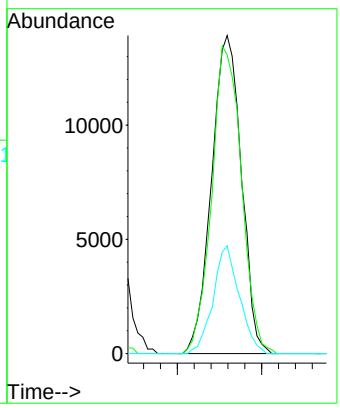
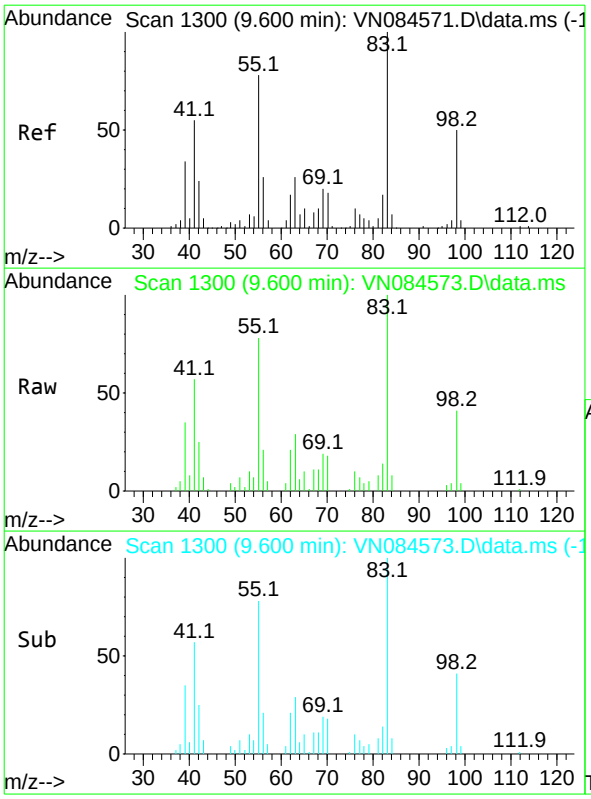


#38
Carbon Tetrachloride
Concen: 10.443 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:117 Resp: 34214

Ion	Ratio	Lower	Upper
117	100		
119	93.9	78.7	118.1
121	33.9	24.4	36.6

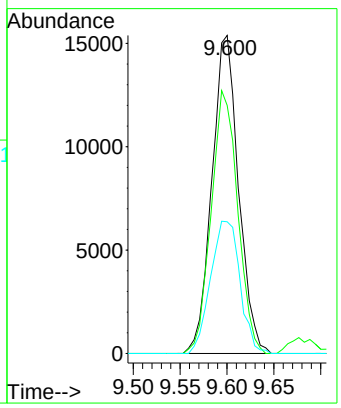




#39
Methylcyclohexane
Concen: 10.191 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 83 Resp: 30390

Ion	Ratio	Lower	Upper
83	100		
55	78.0	62.8	94.2
98	41.4	38.8	58.2



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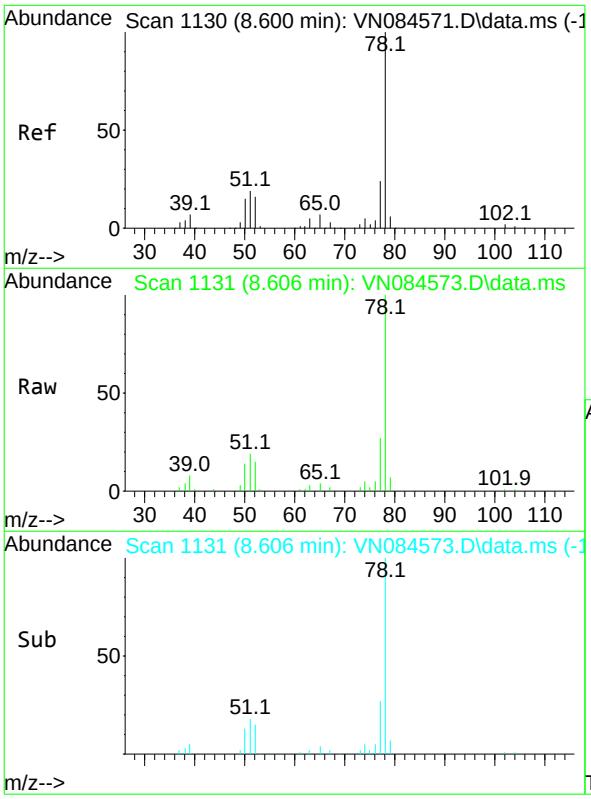
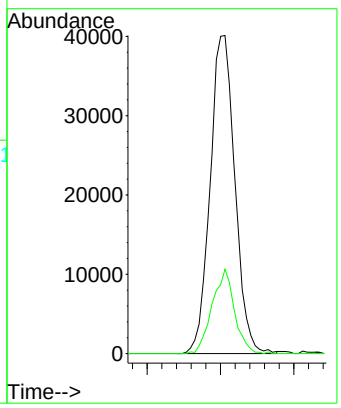
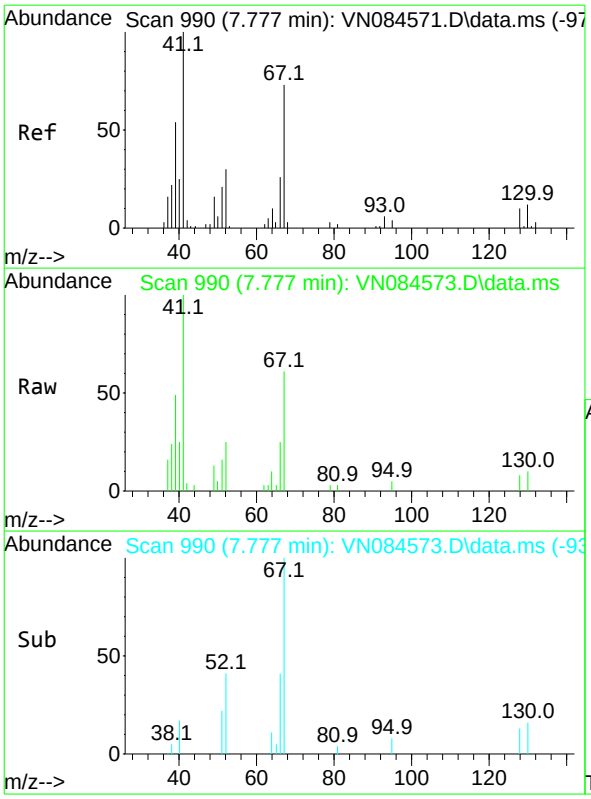


#40
Benzene
Concen: 9.999 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 78 Resp: 94121

Ion	Ratio	Lower	Upper
78	100		
77	26.5	19.1	28.7

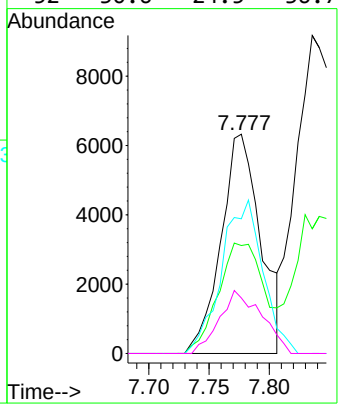




#41
Methacrylonitrile
Concen: 10.128 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 41 Resp: 14485

Ion	Ratio	Lower	Upper
41	100		
39	58.4	43.3	64.9
67	72.8	56.1	84.1
52	30.6	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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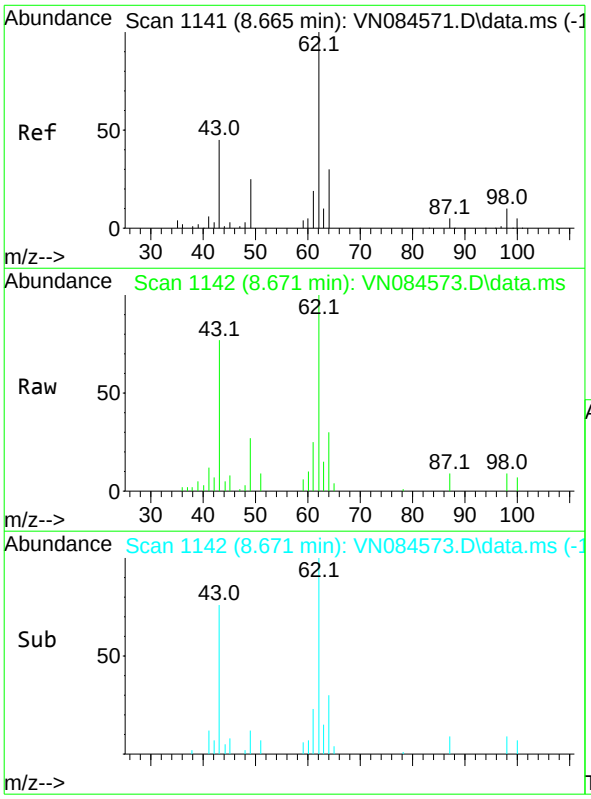
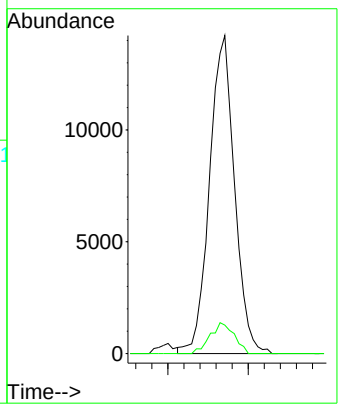
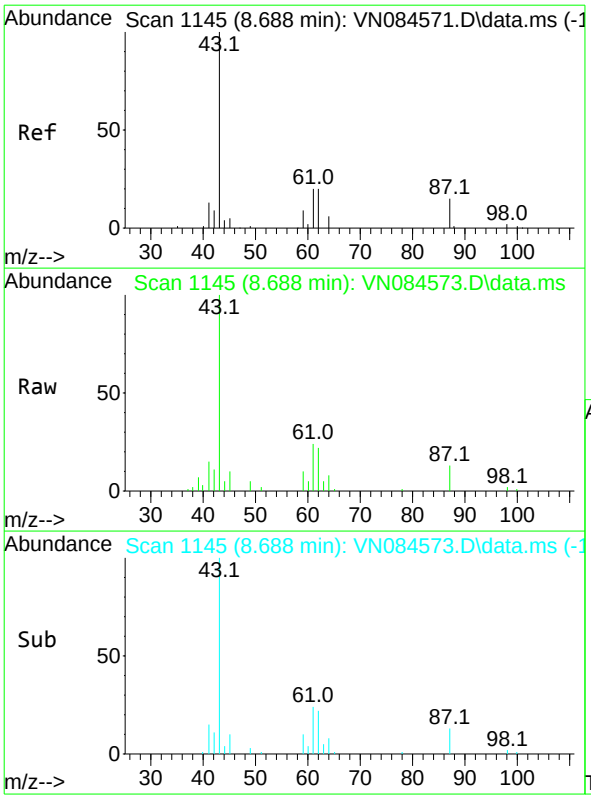


#42
1,2-Dichloroethane
Concen: 10.087 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 62 Resp: 30752

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2

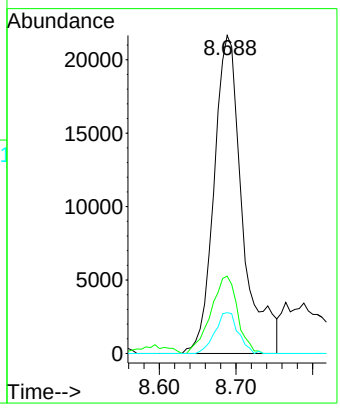




#43
Isopropyl Acetate
Concen: 10.611 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 43 Resp: 55871

Ion	Ratio	Lower	Upper
43	100		
61	22.8	20.4	30.6
87	10.5	10.3	15.5



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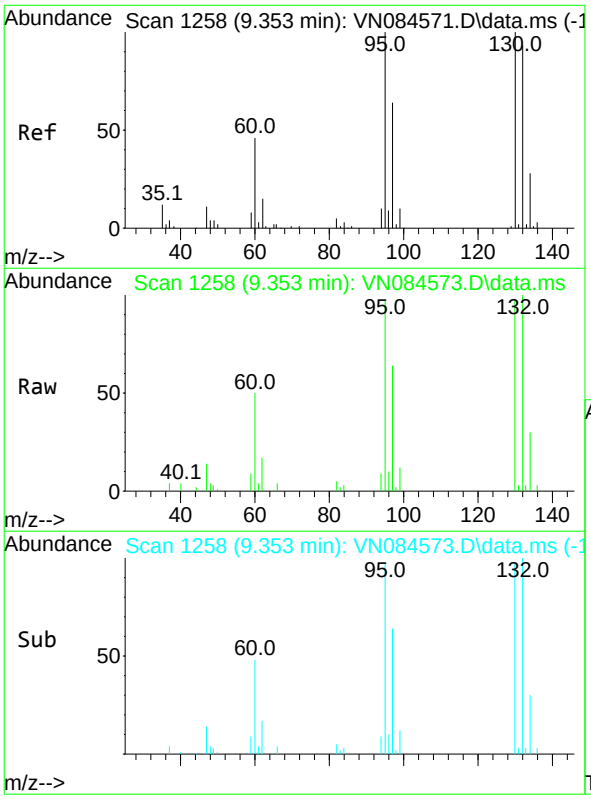
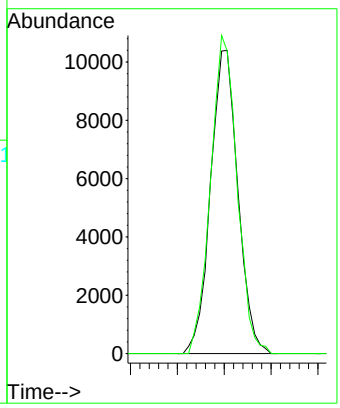
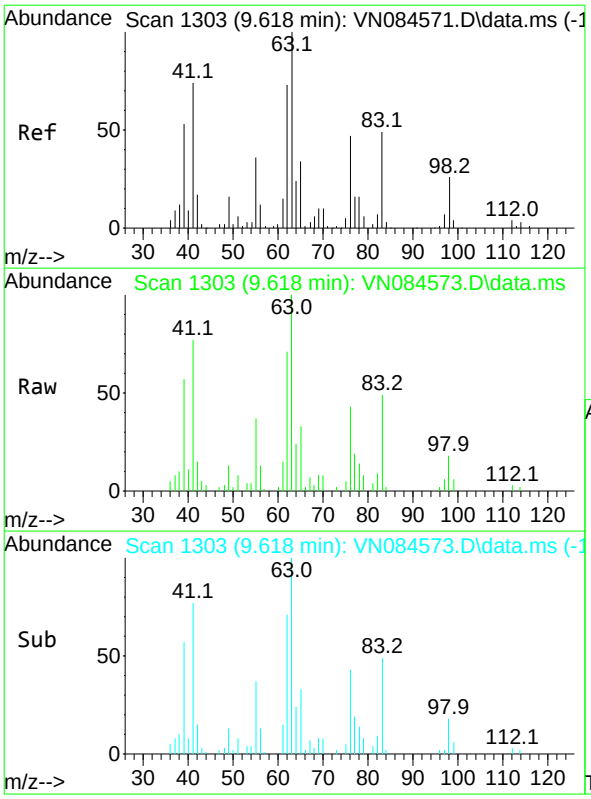


#44
Trichloroethene
Concen: 9.719 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:130 Resp: 21099

Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	203.0

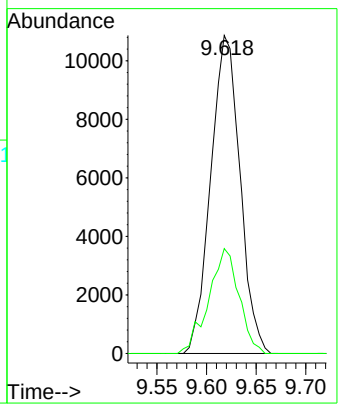




#45
1,2-Dichloropropane
Concen: 10.105 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 63 Resp: 22314

Ion	Ratio	Lower	Upper
63	100		
65	33.0	24.6	37.0



Instrument :
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ClientSampleId :
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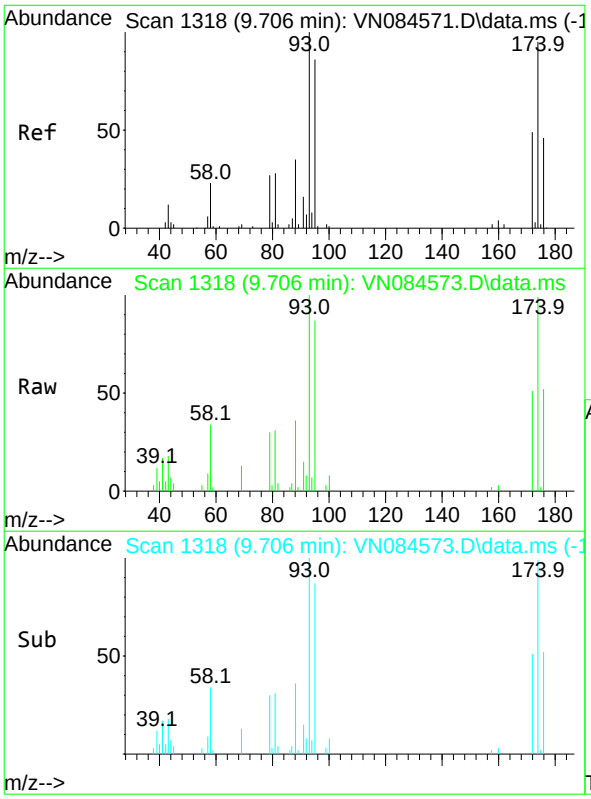
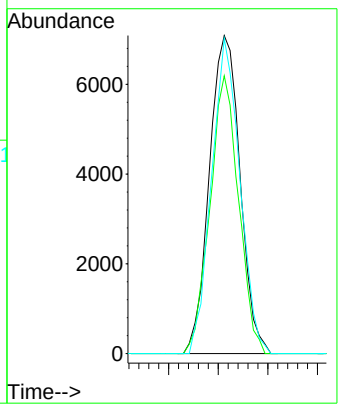
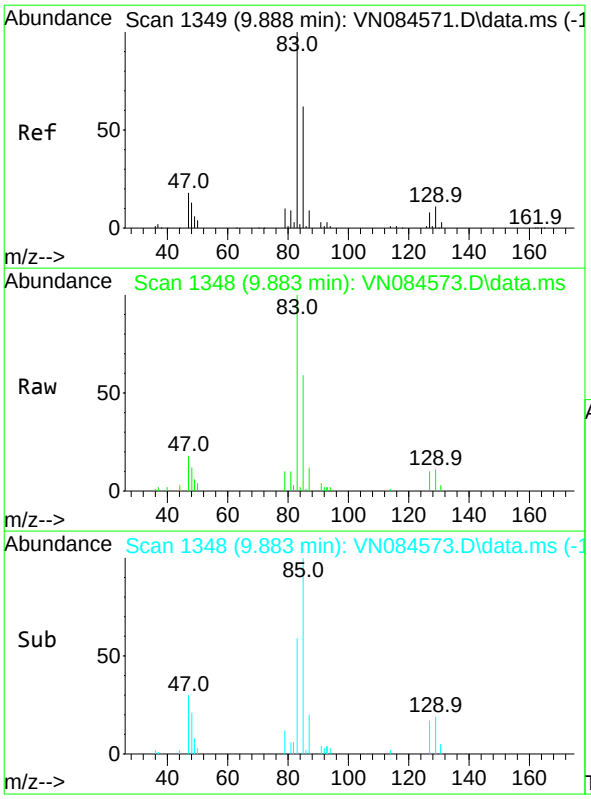


#46
Dibromomethane
Concen: 9.762 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 93 Resp: 15211

Ion	Ratio	Lower	Upper
93	100		
95	81.5	65.0	97.4
174	91.7	71.8	107.8

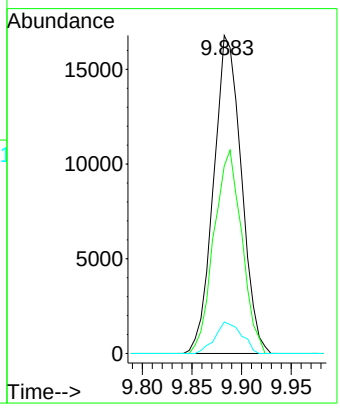




#47
Bromodichloromethane
Concen: 9.929 ug/l
RT: 9.883 min Scan# 13
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 83 Resp: 32612

Ion	Ratio	Lower	Upper
83	100		
85	59.0	51.5	77.3
127	9.9	5.7	8.5#



Instrument :
MSVOA_N
ClientSampleId :
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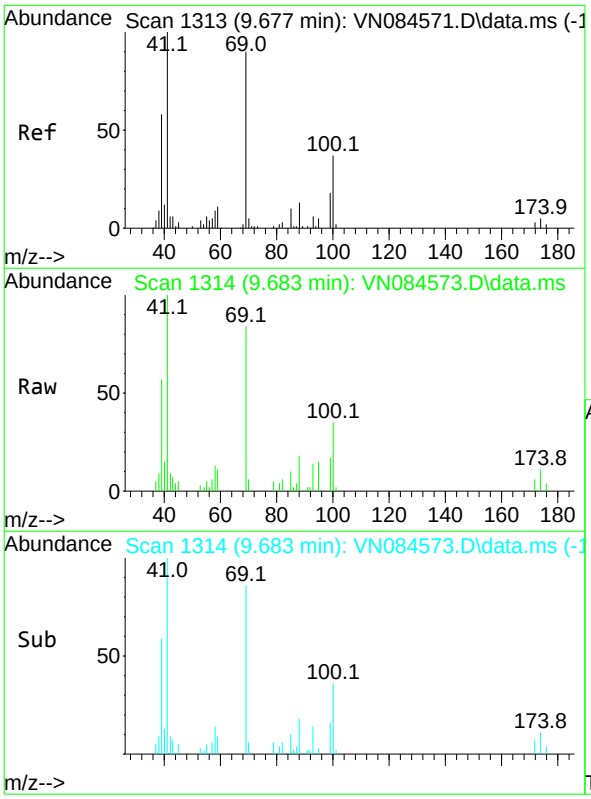
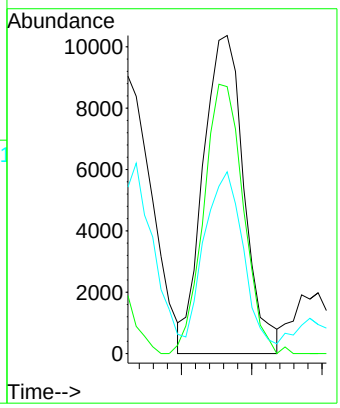
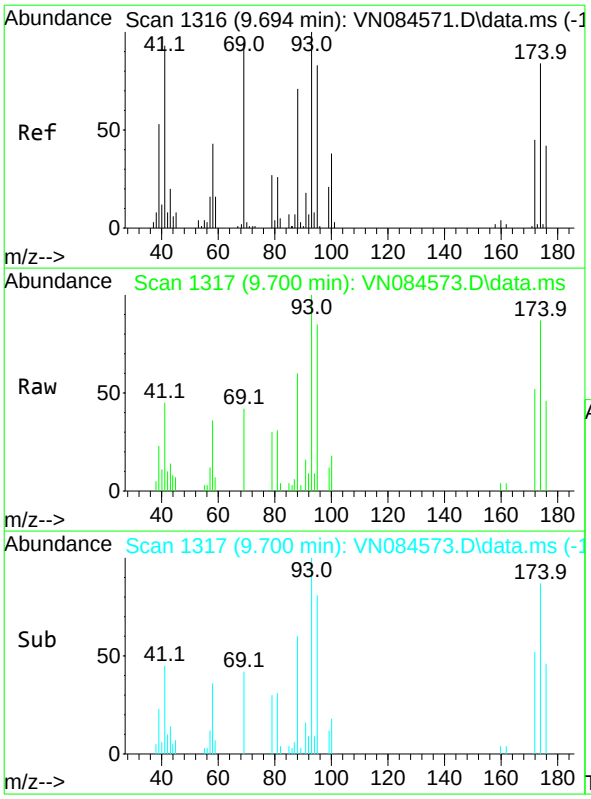


#48
Methyl methacrylate
Concen: 10.127 ug/l
RT: 9.683 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 41 Resp: 20961

Ion	Ratio	Lower	Upper
41	100		
69	81.9	67.1	100.7
39	55.2	45.8	68.6

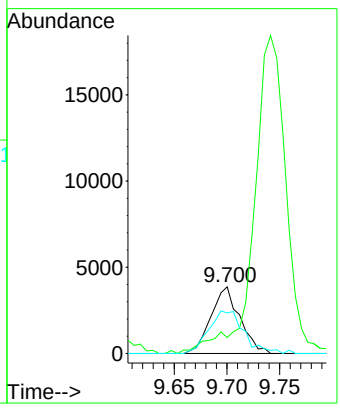




#49
1,4-Dioxane
Concen: 201.076 ug/l
RT: 9.700 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 88 Resp: 7375

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	78.6	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
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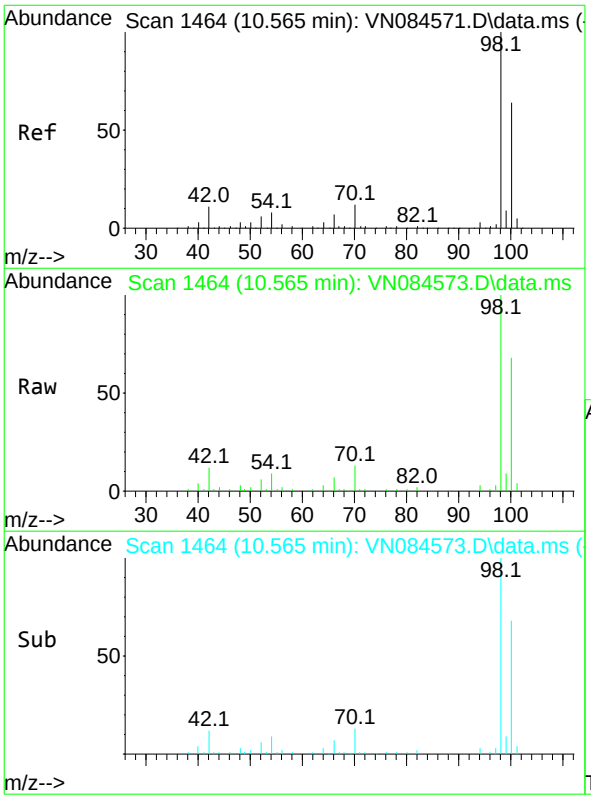
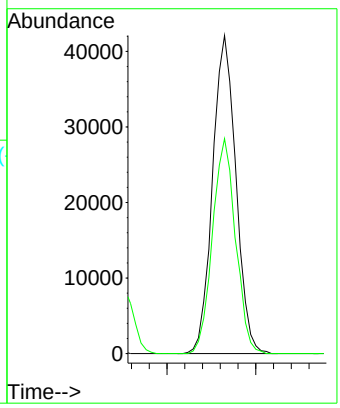
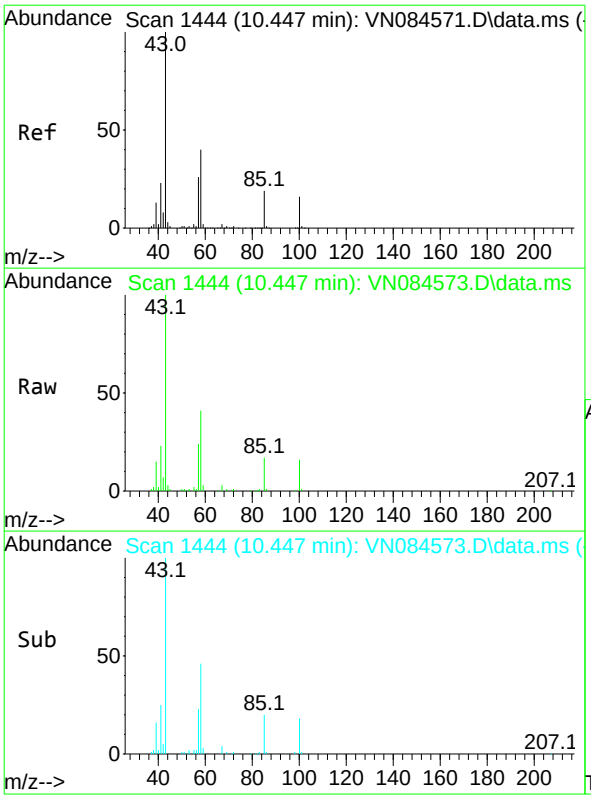


#50
Toluene-d8
Concen: 9.876 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 98 Resp: 76892

Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.7	79.1

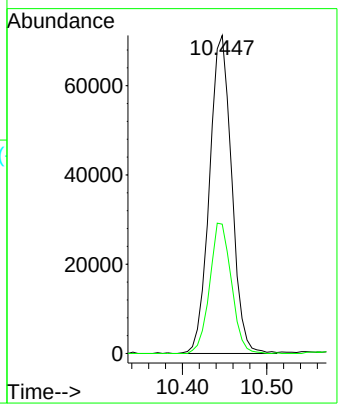




#51
4-Methyl-2-Pentanone
Concen: 51.405 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 43 Resp: 130324

Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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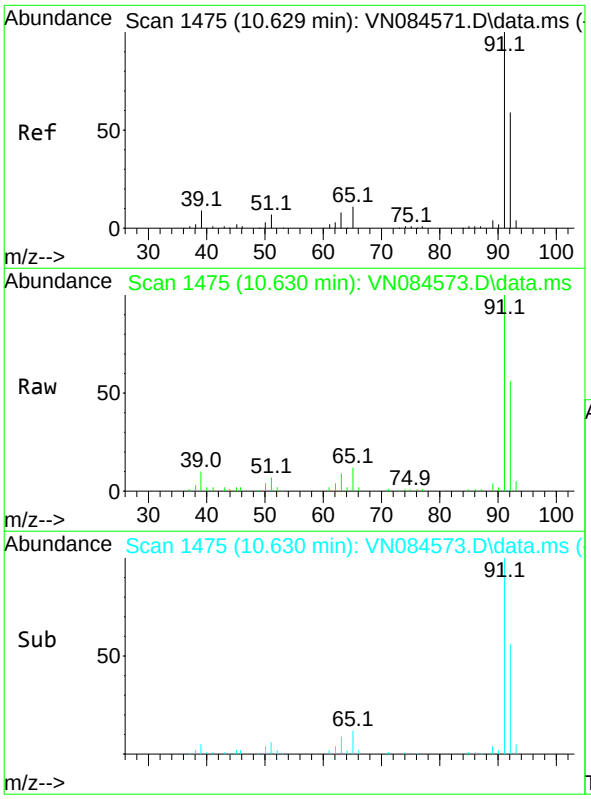
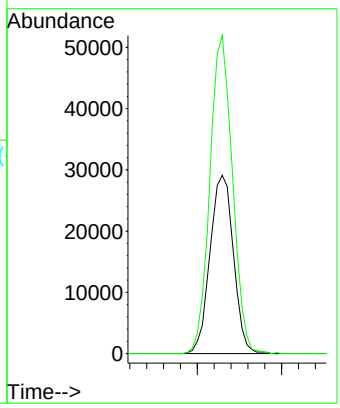
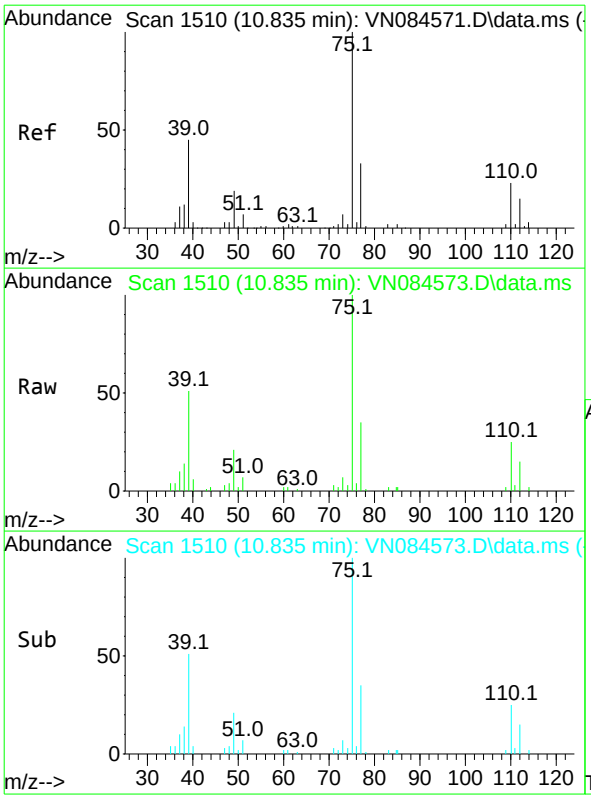


#52
Toluene
Concen: 10.230 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 92 Resp: 56321

Ion	Ratio	Lower	Upper
92	100		
91	172.0	137.3	205.9

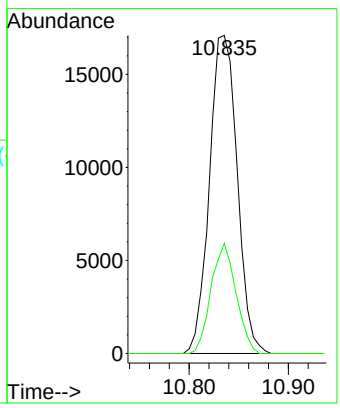




#53
t-1,3-Dichloropropene
Concen: 9.771 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 75 Resp: 33220

Ion	Ratio	Lower	Upper
75	100		
77	34.6	25.4	38.0



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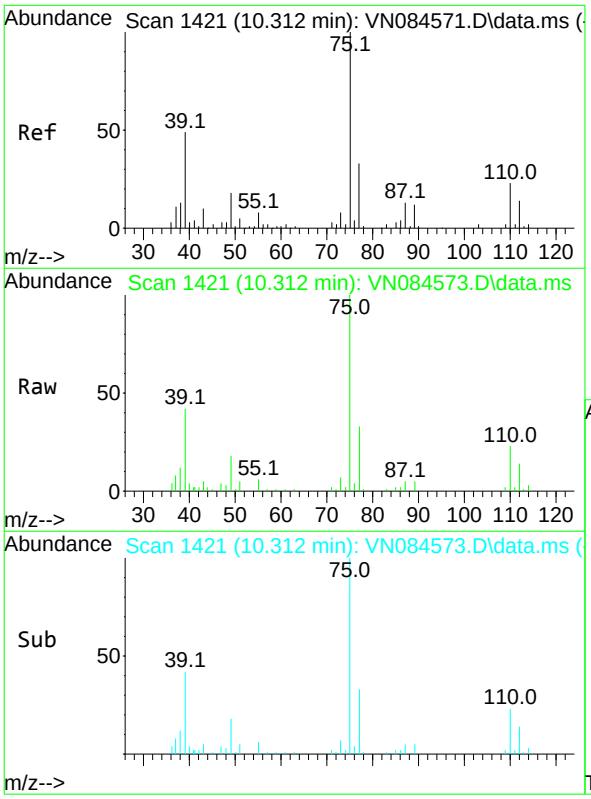
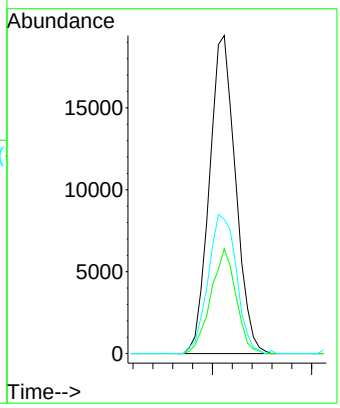
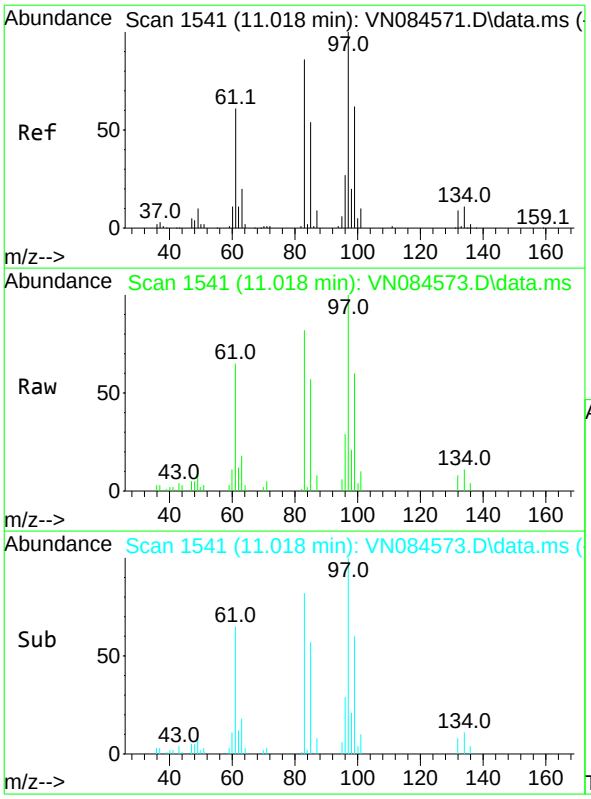


#54
cis-1,3-Dichloropropene
Concen: 9.883 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 75 Resp: 35562

Ion	Ratio	Lower	Upper
75	100		
77	32.9	24.2	36.2
39	42.2	38.7	58.1

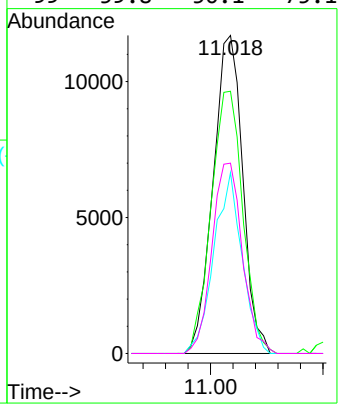




#55
1,1,2-Trichloroethane
Concen: 10.303 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 97 Resp: 21367

Ion	Ratio	Lower	Upper
97	100		
83	82.4	71.0	106.4
85	56.9	41.7	62.5
99	59.8	50.1	75.1



Instrument :
MSVOA_N
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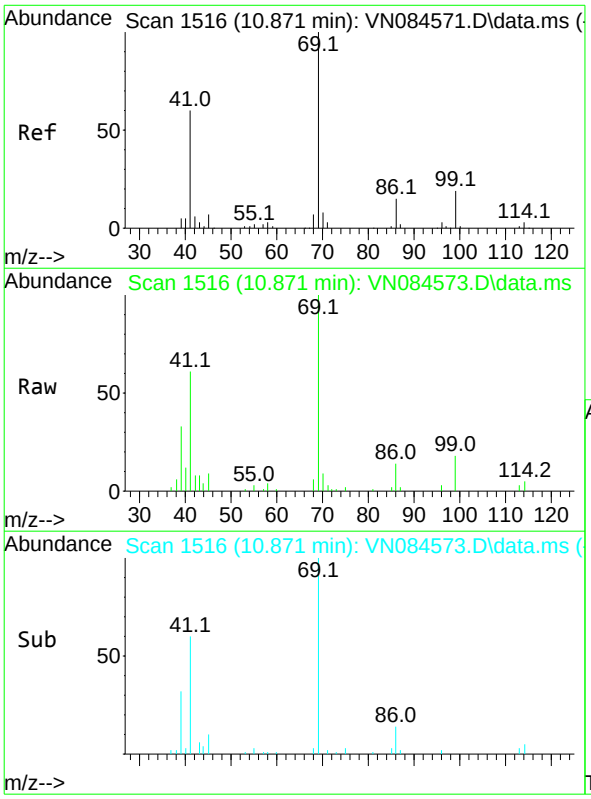
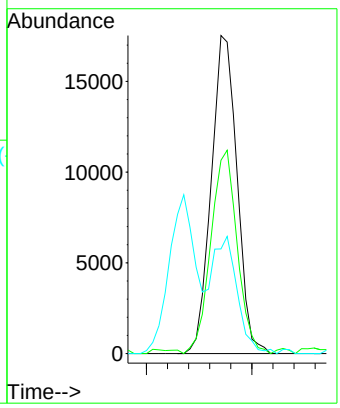
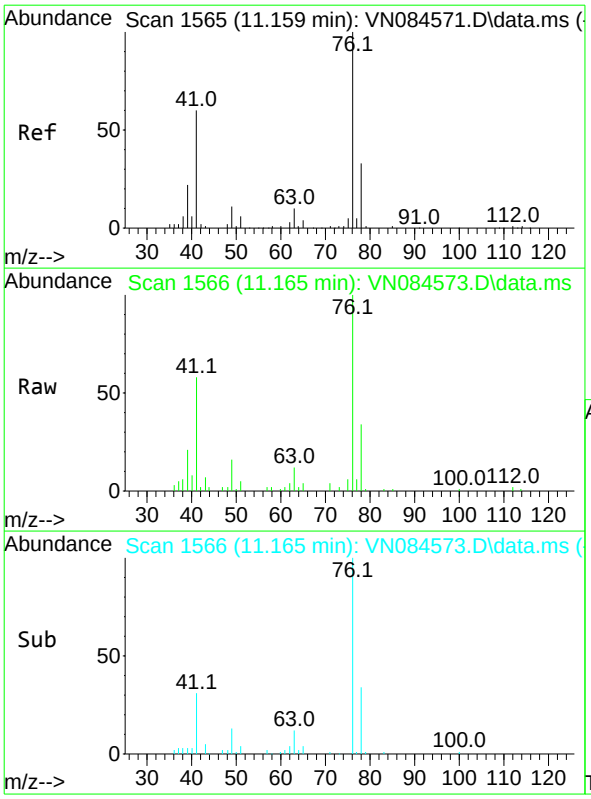


#56
Ethyl methacrylate
Concen: 9.936 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 69 Resp: 29804

Ion	Ratio	Lower	Upper
69	100		
41	65.4	53.3	79.9
39	37.1	28.8	43.2

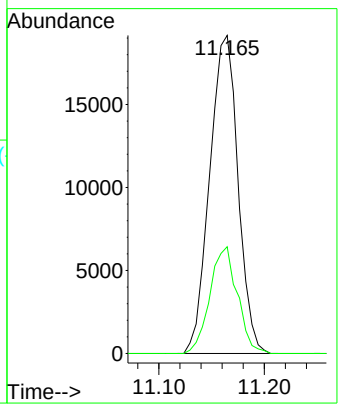




#57
1,3-Dichloropropane
Concen: 10.056 ug/l
RT: 11.165 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 76 Resp: 35790

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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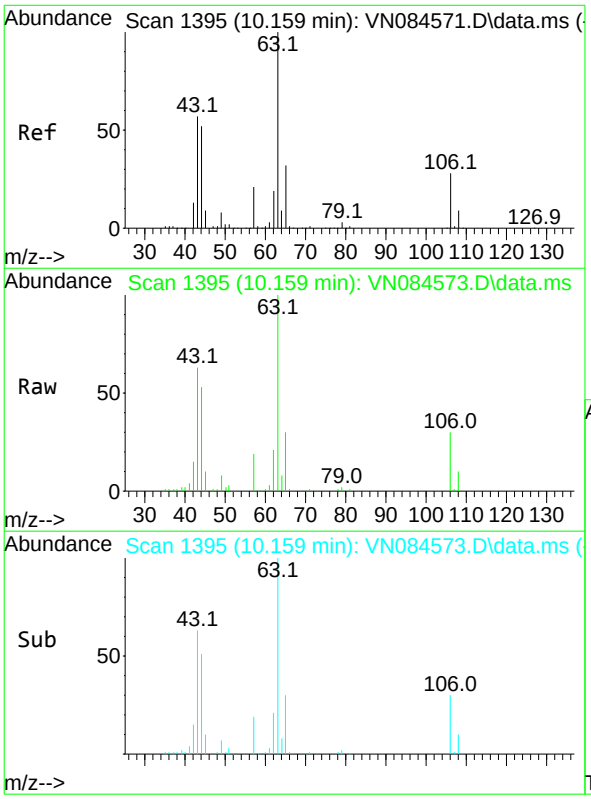
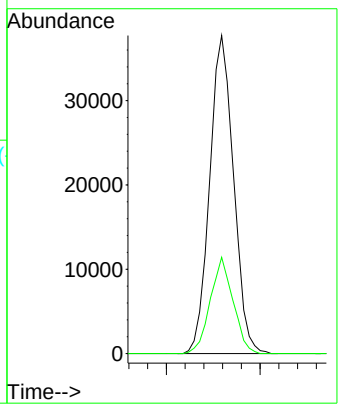
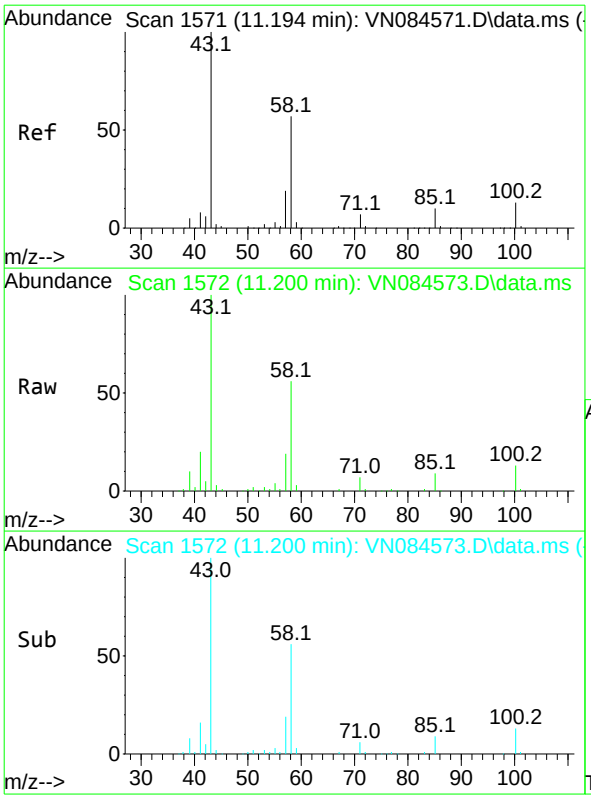


#58
2-Chloroethyl Vinyl ether
Concen: 47.583 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 63 Resp: 66790

Ion	Ratio	Lower	Upper
63	100		
106	28.9	21.8	32.6

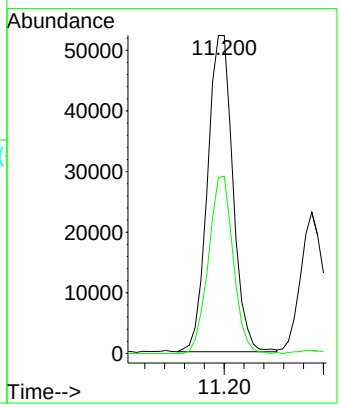




#59
2-Hexanone
Concen: 50.273 ug/l
RT: 11.200 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 43 Resp: 92772

Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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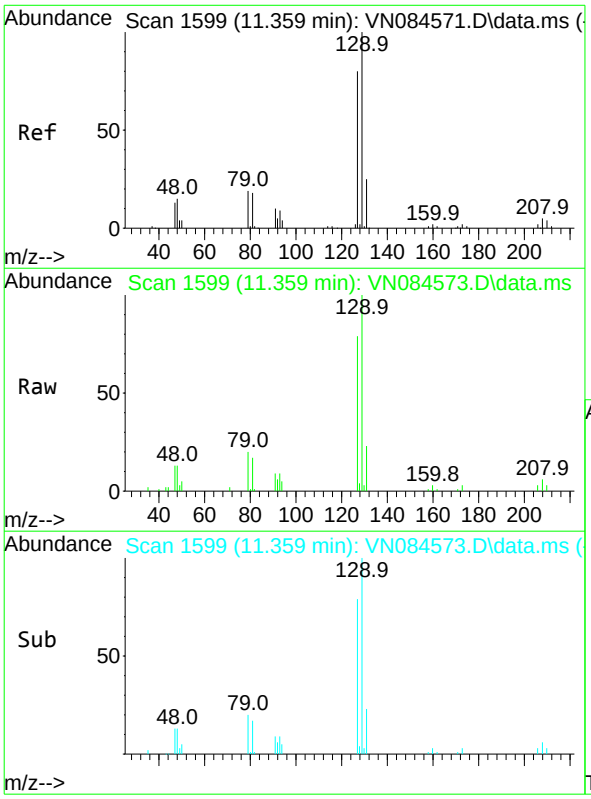
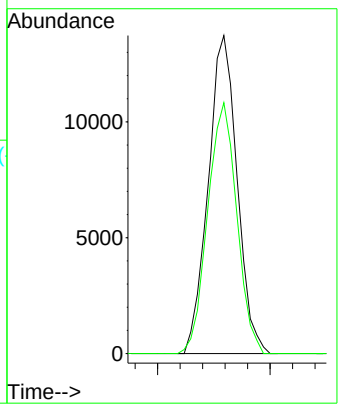
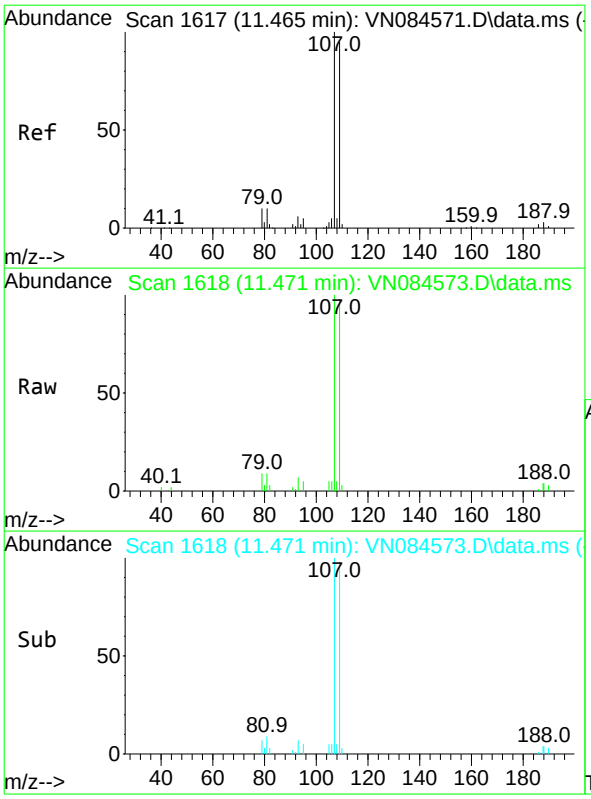


#60
Dibromochloromethane
Concen: 10.383 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:129 Resp: 24541

Ion	Ratio	Lower	Upper
129	100		
127	79.2	38.3	114.9

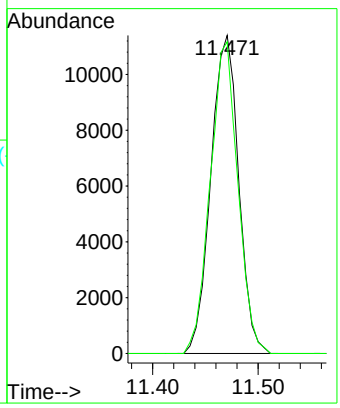




#61
1,2-Dibromoethane
Concen: 9.839 ug/l
RT: 11.471 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:107 Resp: 20895

Ion	Ratio	Lower	Upper
107	100		
109	97.4	75.4	113.0



Instrument :
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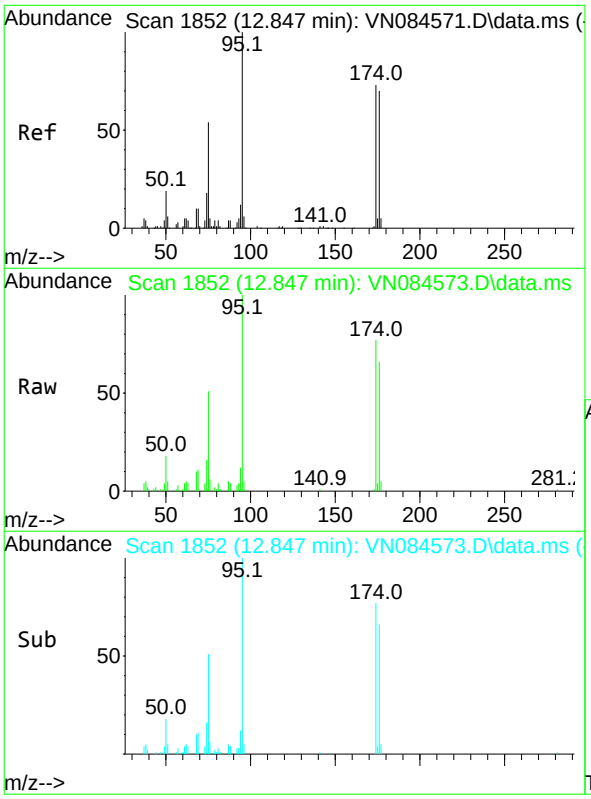
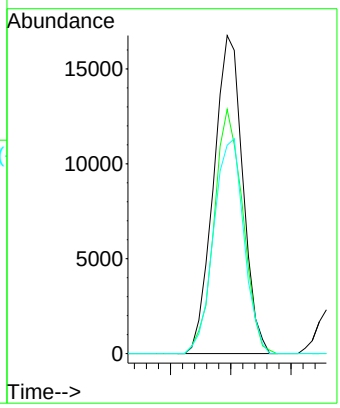
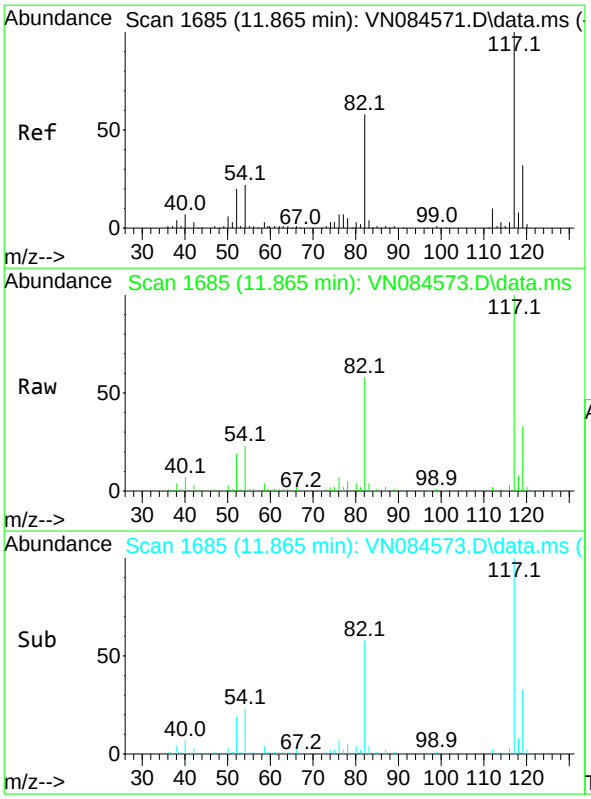


#62
4-Bromofluorobenzene
Concen: 9.689 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 95 Resp: 28191

Ion	Ratio	Lower	Upper
95	100		
174	75.6	0.0	145.2
176	70.1	0.0	140.0

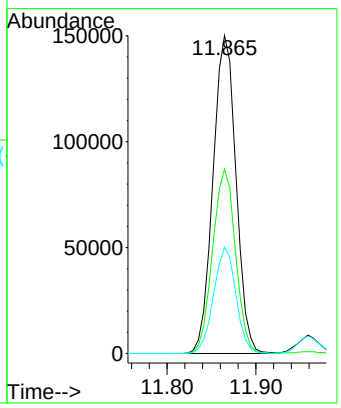




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:117 Resp: 270408

Ion	Ratio	Lower	Upper
117	100		
82	58.0	47.2	70.8
119	33.4	25.4	38.0



Instrument :
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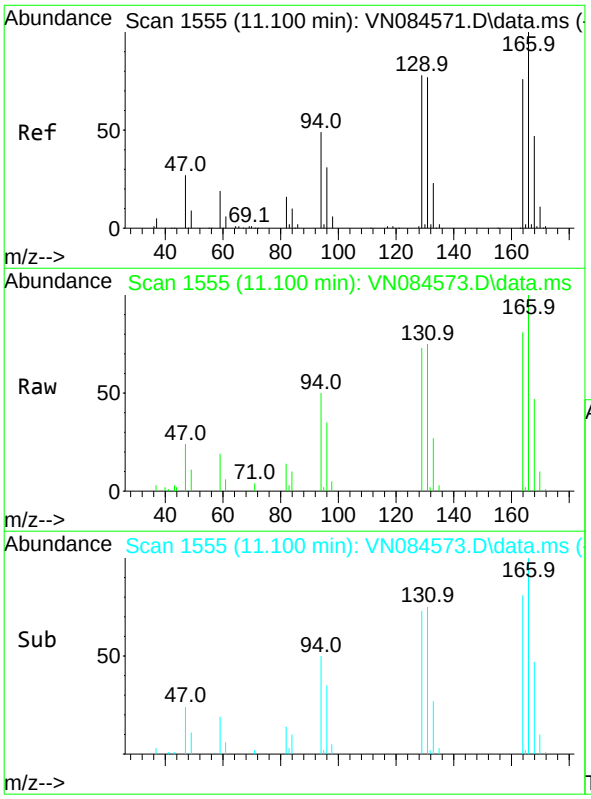
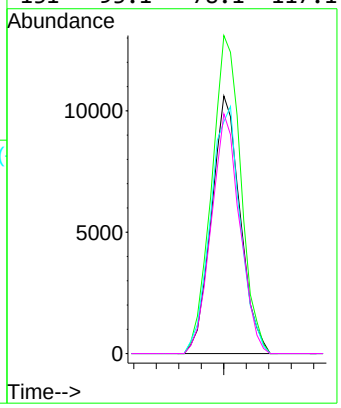
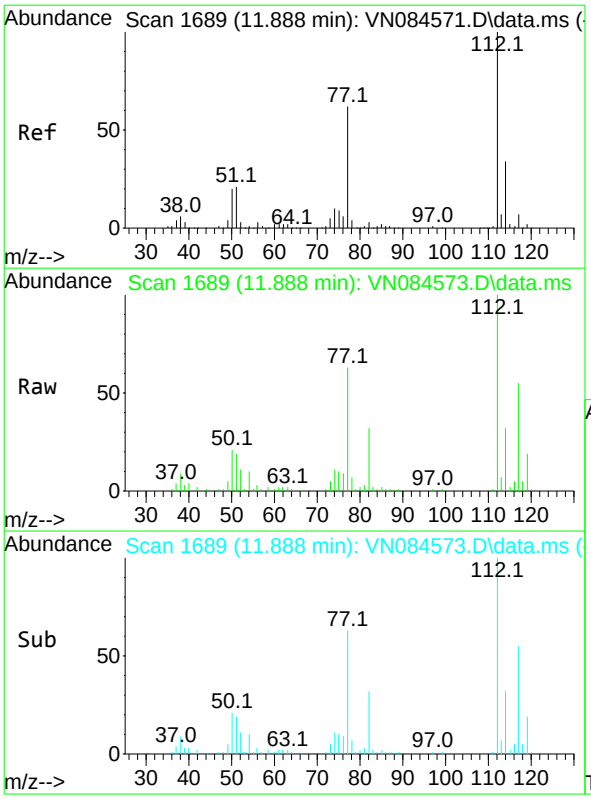


#64
Tetrachloroethene
Concen: 10.439 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:164 Resp: 18777

Ion	Ratio	Lower	Upper
164	100		
166	123.4	101.0	151.4
129	90.0	80.8	121.2
131	93.1	78.1	117.1

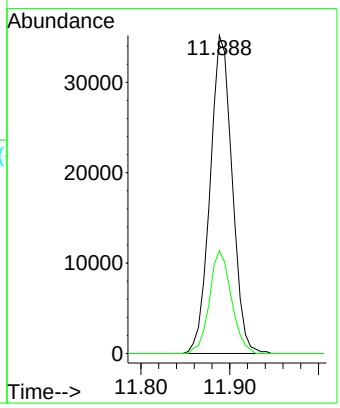




#65
Chlorobenzene
Concen: 10.041 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:112 Resp: 60746

Ion	Ratio	Lower	Upper
112	100		
114	32.3	27.0	40.6



Instrument :
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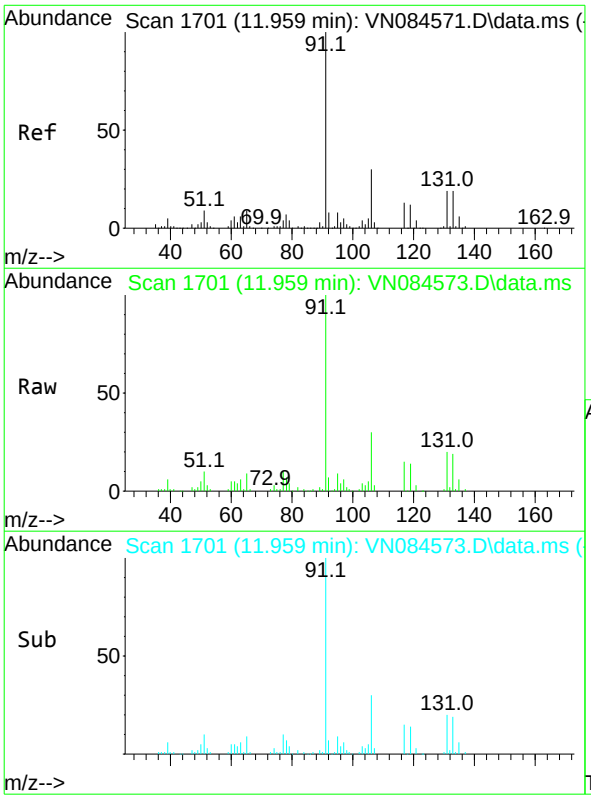
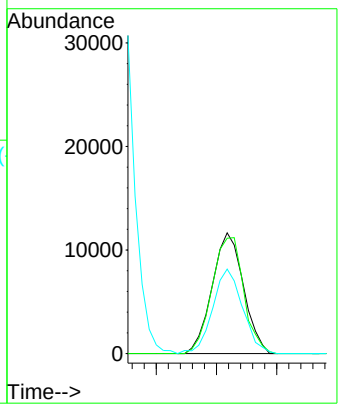
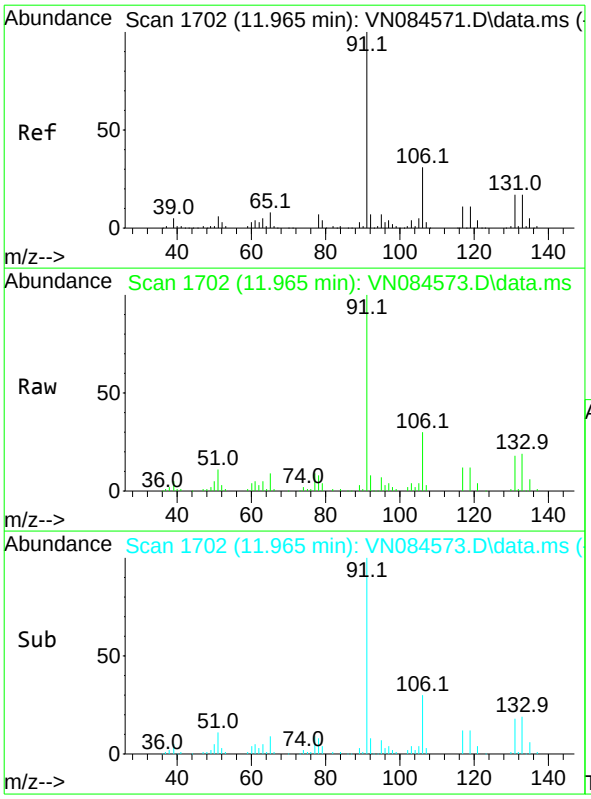


#66
1,1,1,2-Tetrachloroethane
Concen: 10.018 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:131 Resp: 21080

Ion	Ratio	Lower	Upper
131	100		
133	97.6	47.9	143.7
119	66.8	32.8	98.3

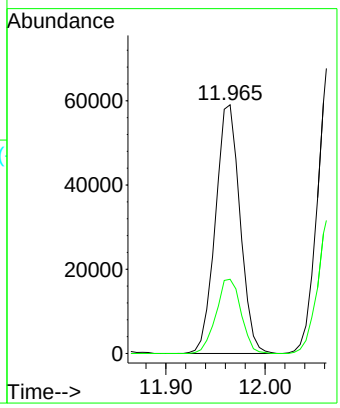




#67
Ethyl Benzene
Concen: 10.067 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 91 Resp: 101653

Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.5	36.7



Instrument :
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ClientSampleId :
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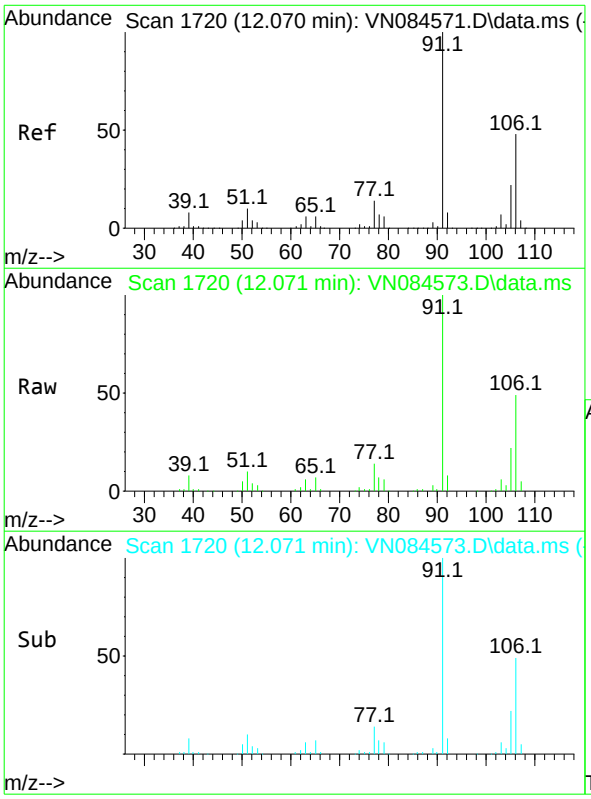
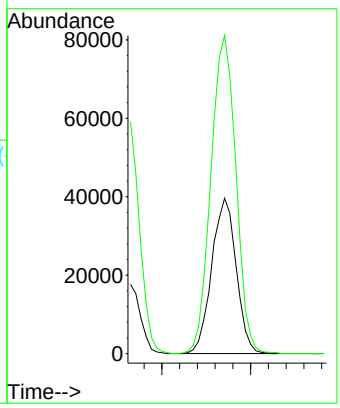
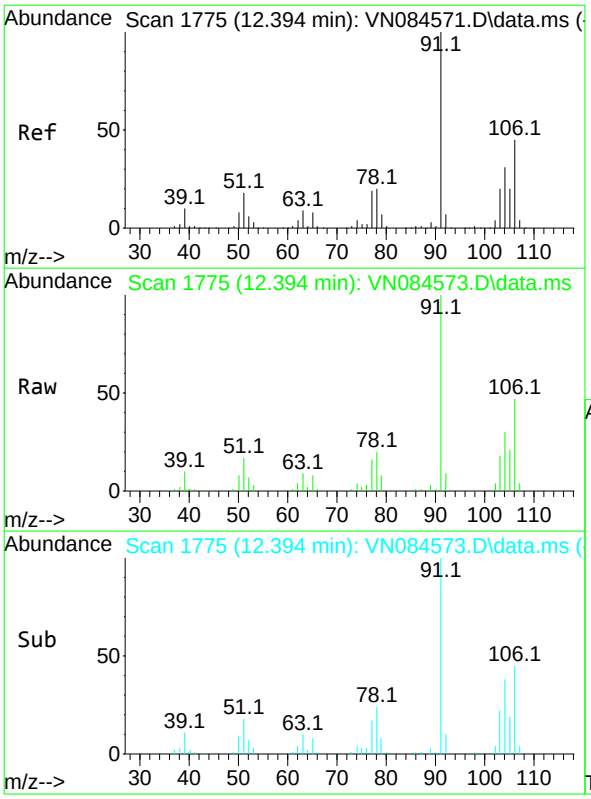


#68
m/p-Xylenes
Concen: 19.842 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:106 Resp: 75857

Ion	Ratio	Lower	Upper
106	100		
91	209.6	167.1	250.7

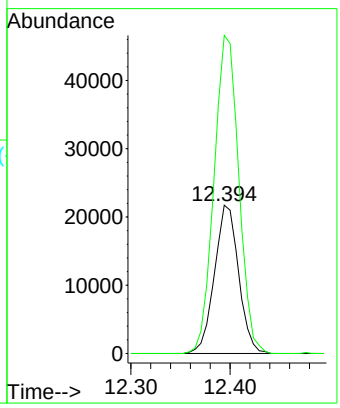




#69
o-Xylene
Concen: 10.261 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:106 Resp: 36696

Ion	Ratio	Lower	Upper
106	100		
91	220.1	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
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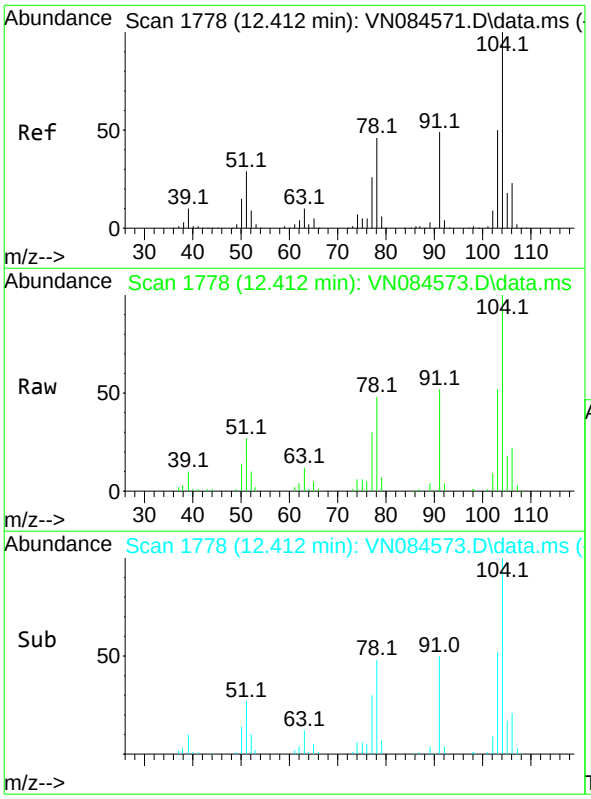
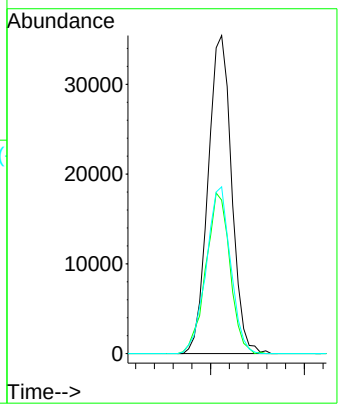
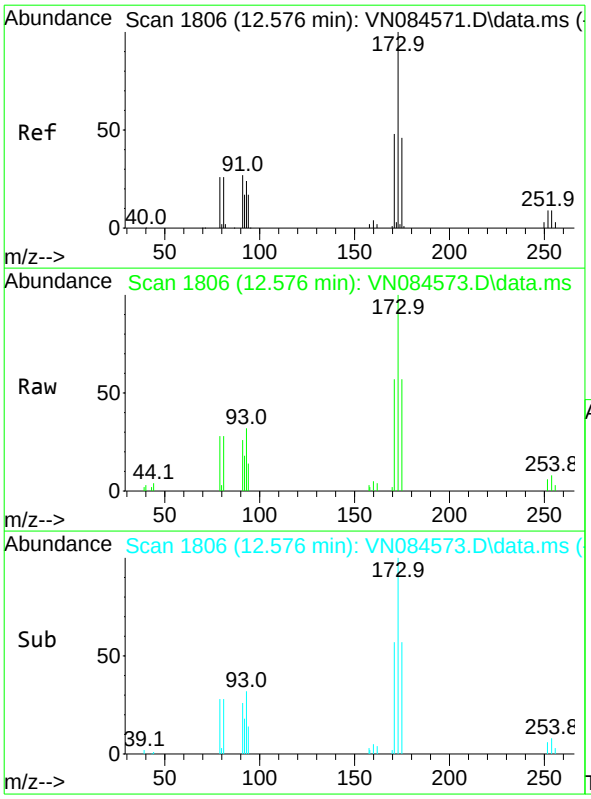


#70
Styrene
Concen: 9.916 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:104 Resp: 61865

Ion	Ratio	Lower	Upper
104	100		
78	51.5	42.7	64.1
103	54.2	43.6	65.4

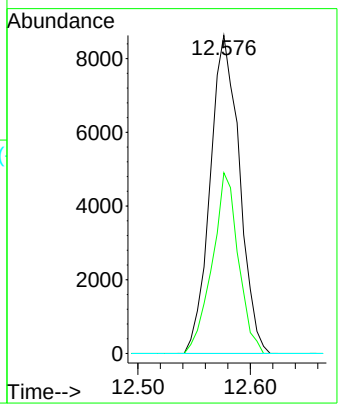




#71
Bromoform
Concen: 9.871 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:173 Resp: 15630

Ion	Ratio	Lower	Upper
173	100		
175	50.6	23.5	70.6
254	0.0	0.0	0.0



Instrument :
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ClientSampleId :
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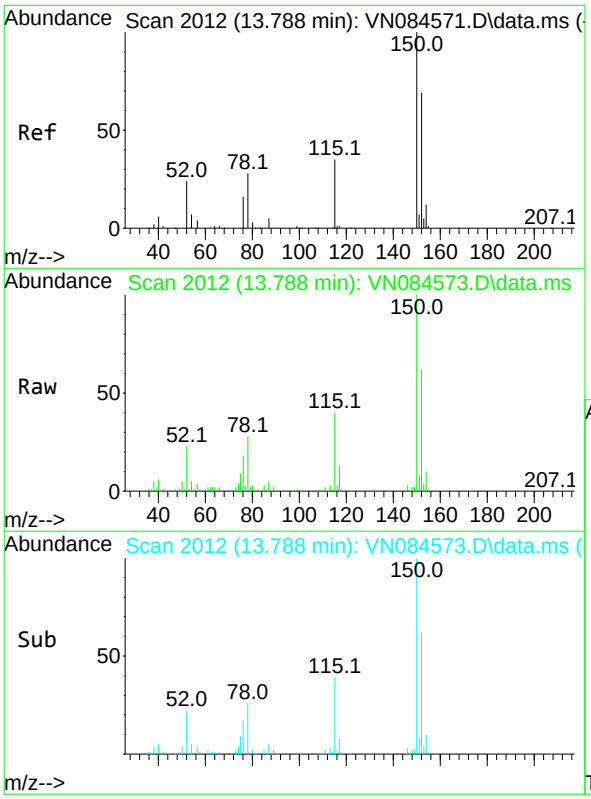
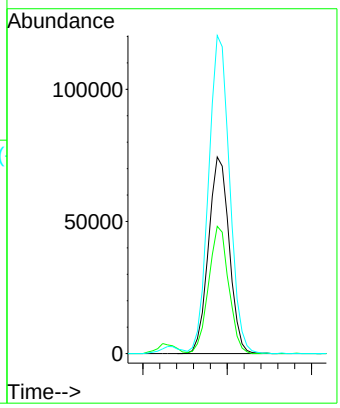
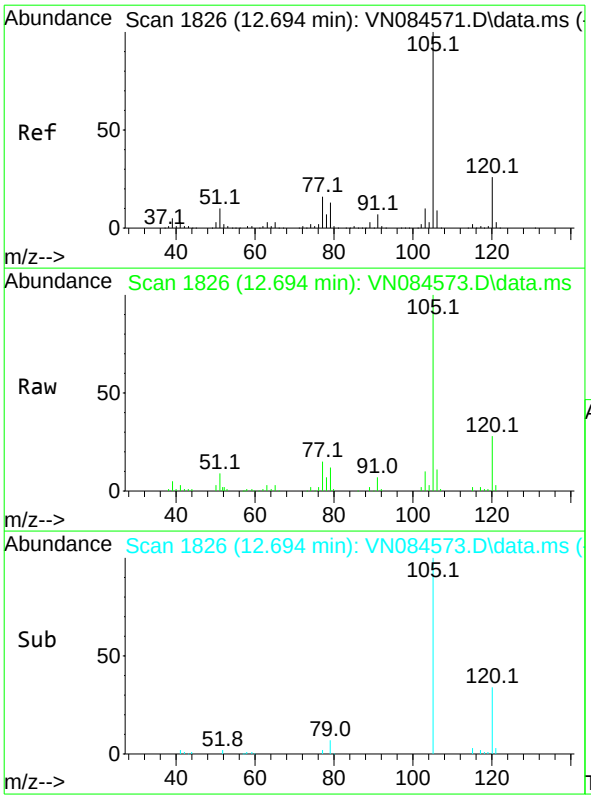


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:152 Resp: 127178

Ion	Ratio	Lower	Upper
152	100		
115	62.6	31.3	93.9
150	163.6	0.0	349.8

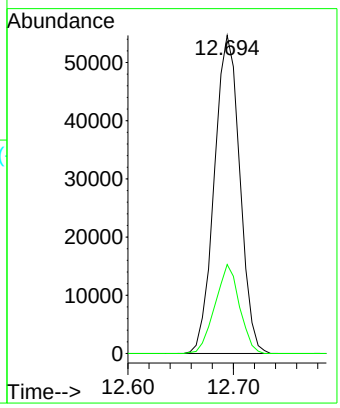




#73
Isopropylbenzene
Concen: 10.287 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:105 Resp: 91683

Ion	Ratio	Lower	Upper
105	100		
120	26.8	12.9	38.7



Instrument :
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ClientSampleId :
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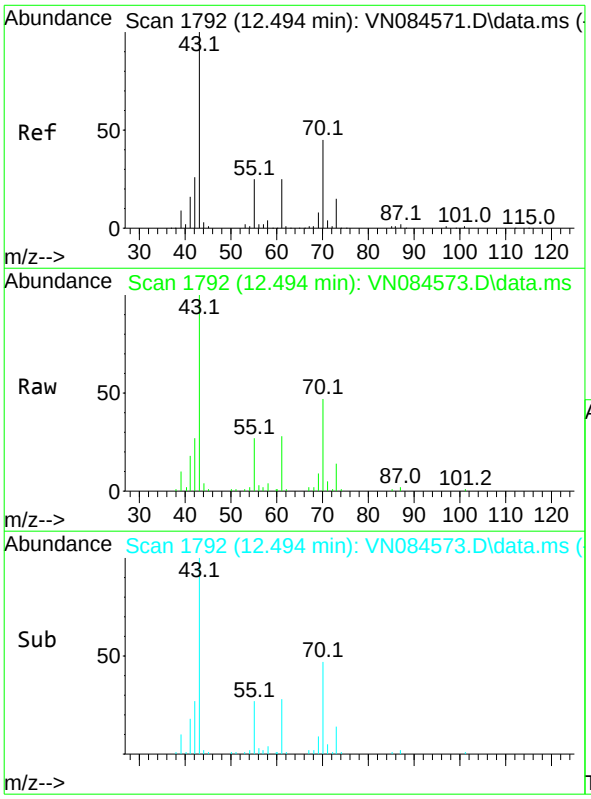
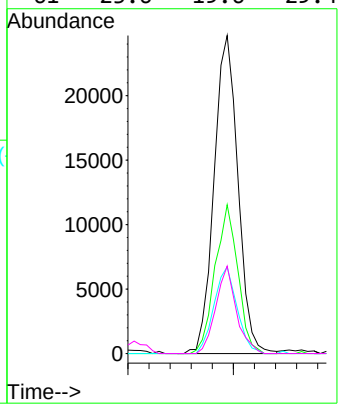
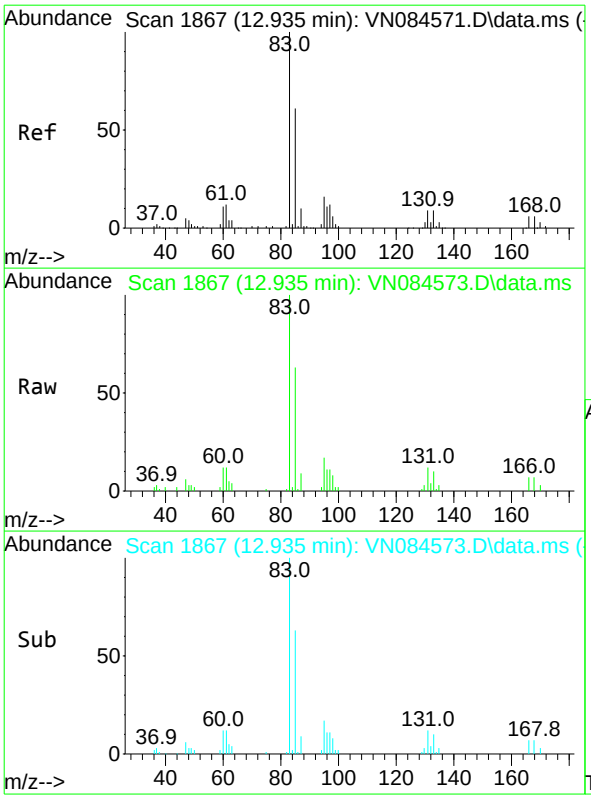


#74
N-amyl acetate
Concen: 10.240 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 43 Resp: 38841

Ion	Ratio	Lower	Upper
43	100		
70	44.5	34.4	51.6
55	26.2	19.6	29.4
61	23.6	19.6	29.4

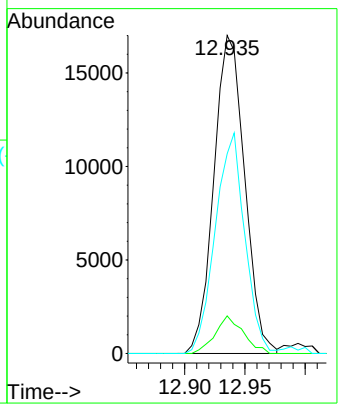




#75
1,1,2,2-Tetrachloroethane
Concen: 10.175 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 83 Resp: 30270

Ion	Ratio	Lower	Upper
83	100		
131	10.8	4.9	14.7
85	66.4	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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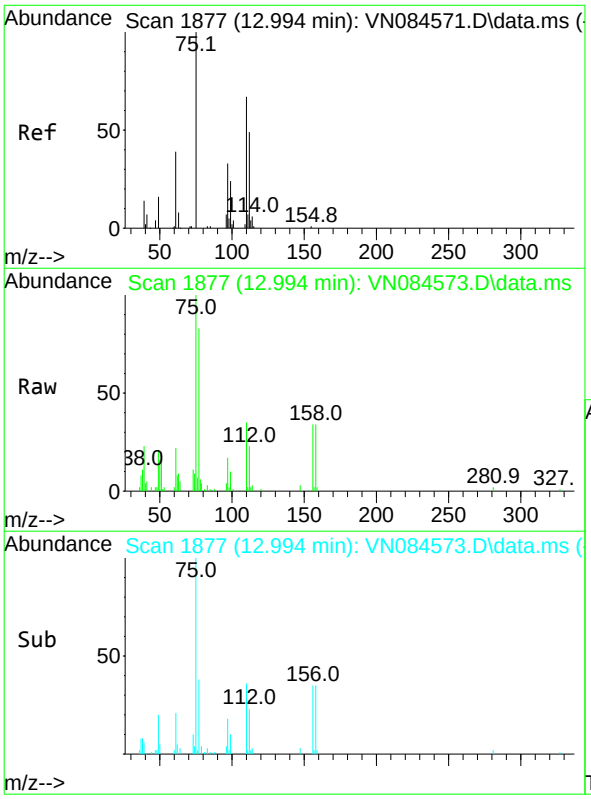
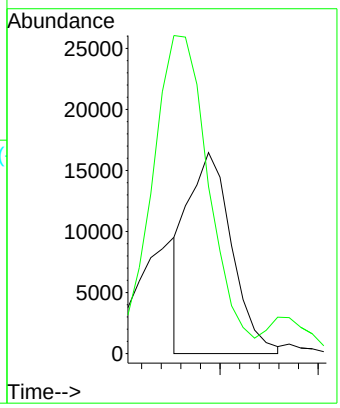
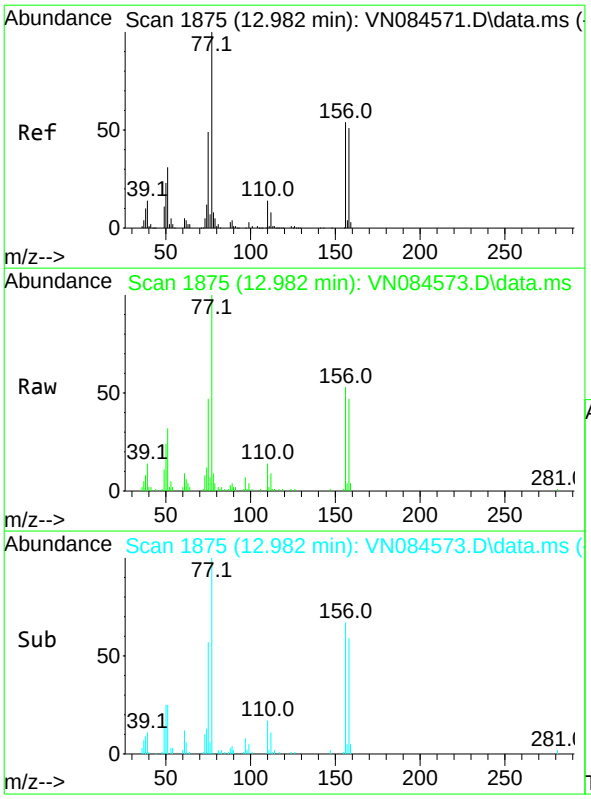


#76
1,2,3-Trichloropropane
Concen: 10.336 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 75 Resp: 25940

Ion	Ratio	Lower	Upper
75	100		
77	202.8	96.9	290.7

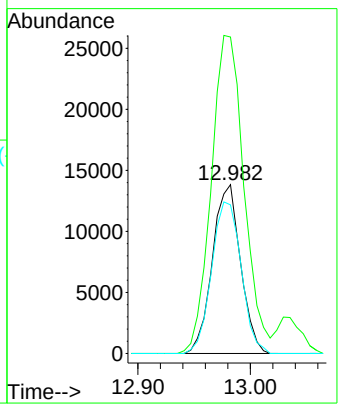




#77
Bromobenzene
Concen: 10.012 ug/l
RT: 12.982 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:156 Resp: 23987

Ion	Ratio	Lower	Upper
156	100		
77	219.4	115.1	345.3
158	94.5	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
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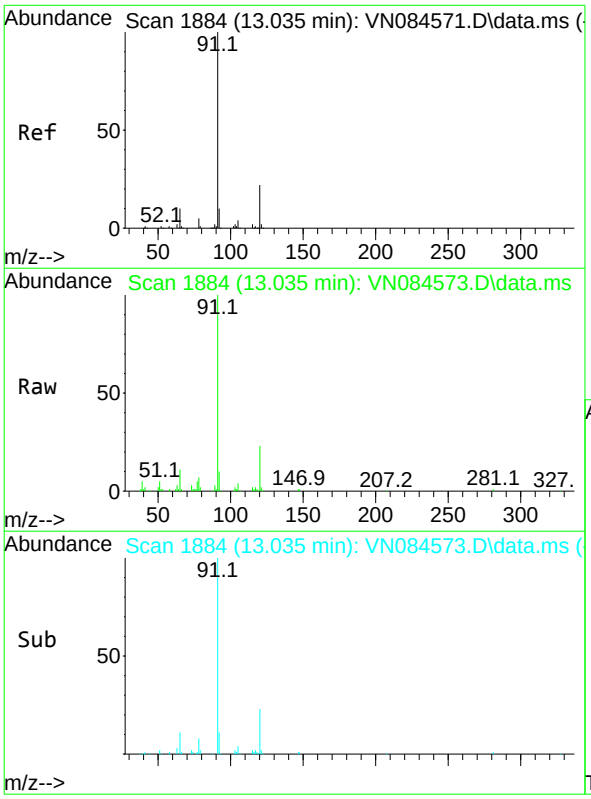
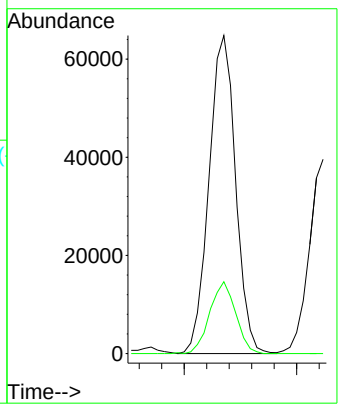
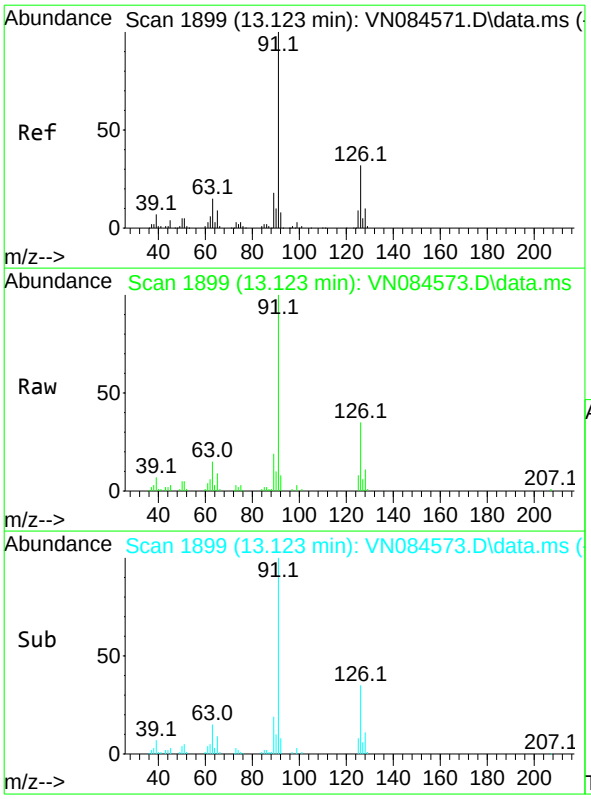


#78
n-propylbenzene
Concen: 10.199 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 91 Resp: 106518

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4

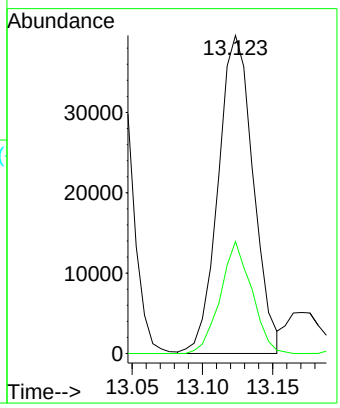




#79
2-Chlorotoluene
Concen: 10.064 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 91 Resp: 68678

Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.7	47.1



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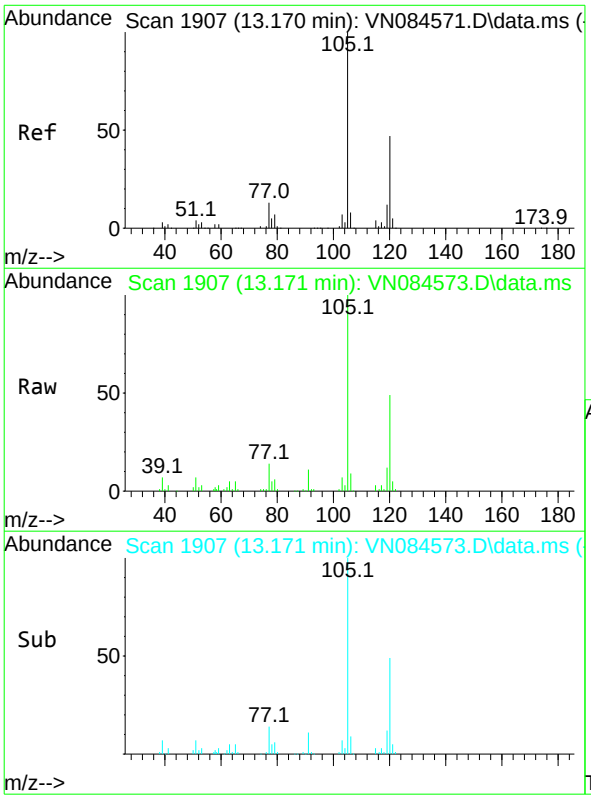
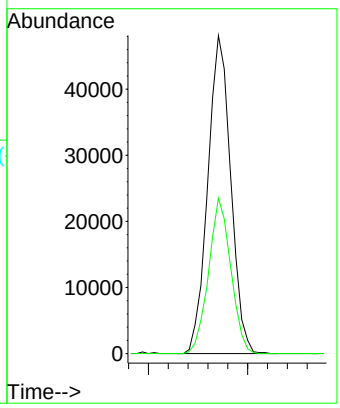
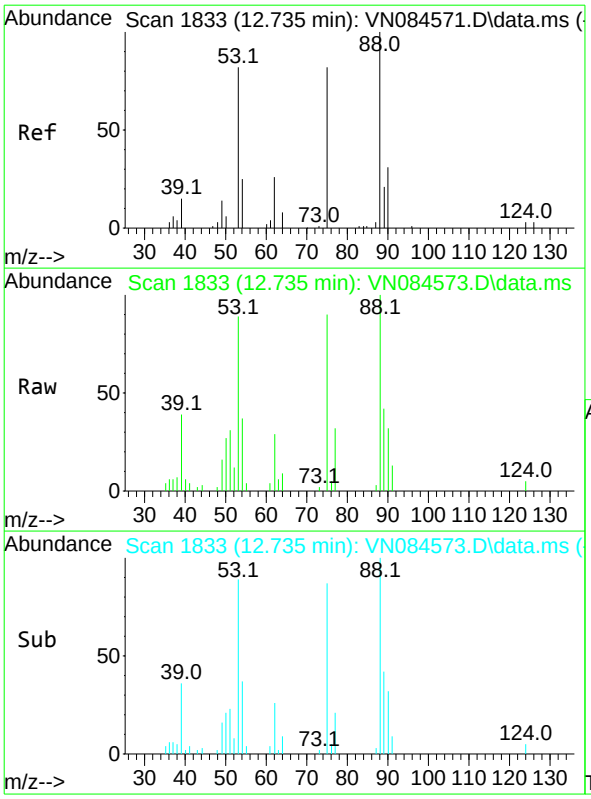


#80
1,3,5-Trimethylbenzene
Concen: 10.461 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:105 Resp: 77273

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.7	71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 10.577 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 75 Resp: 11334

Ion	Ratio	Lower	Upper
75	100		
53	92.2	78.0	117.0
89	43.2	35.5	53.3

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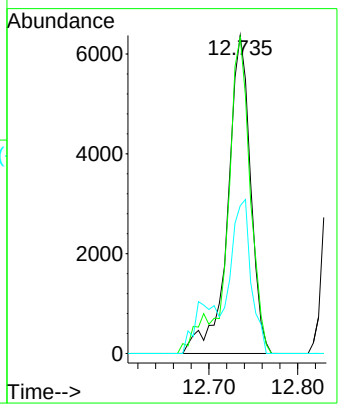
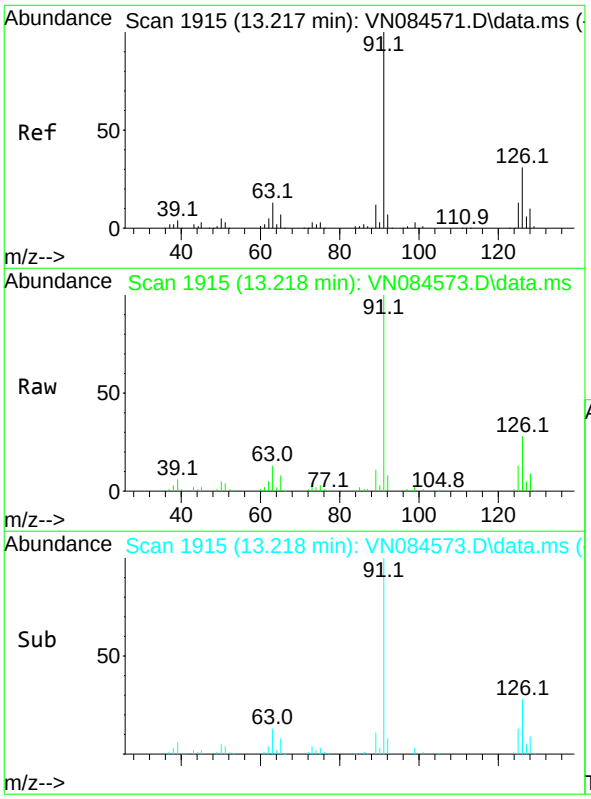
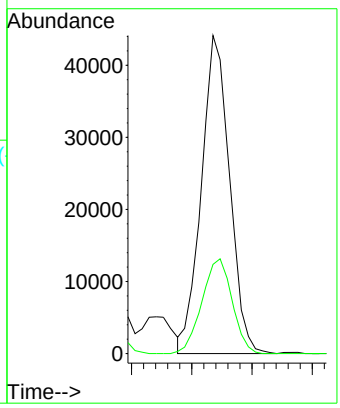


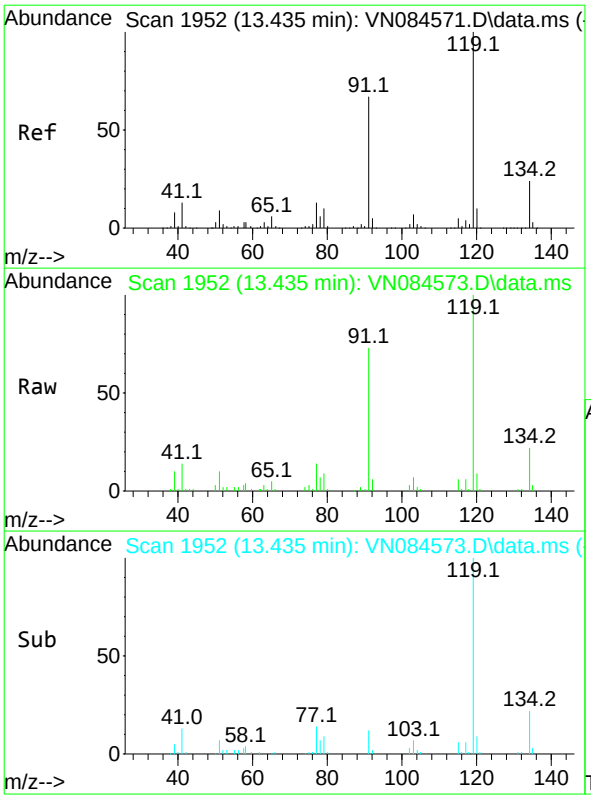


#82
4-Chlorotoluene
Concen: 9.996 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 91 Resp: 71787

Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.7	47.1

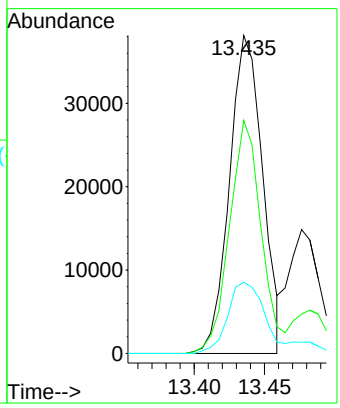




#83
tert-Butylbenzene
Concen: 10.240 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:119 Resp: 62600

Ion	Ratio	Lower	Upper
119	100		
91	70.4	34.1	102.3
134	24.7	12.8	38.4



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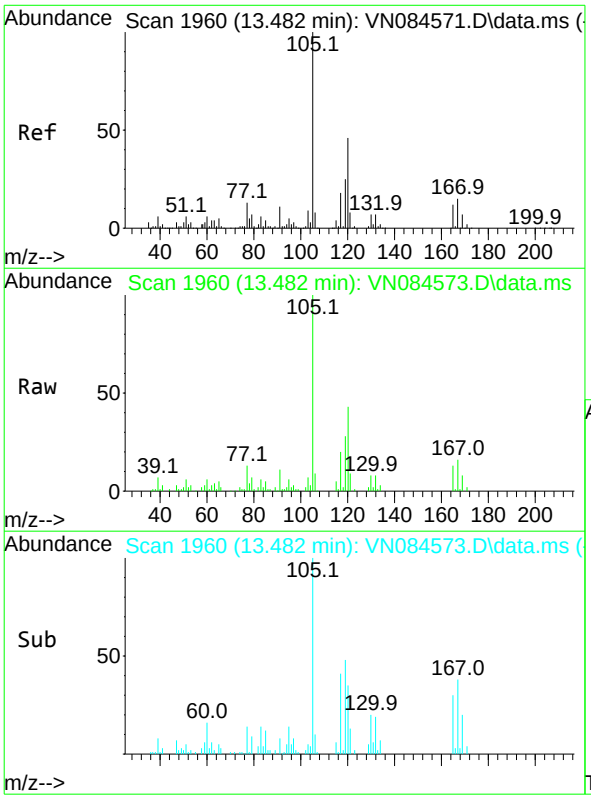
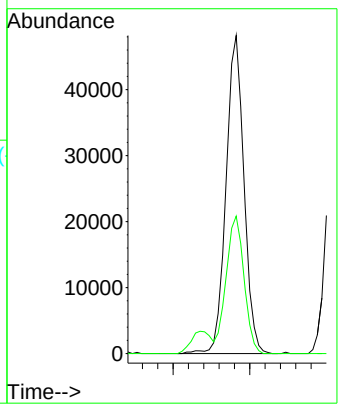
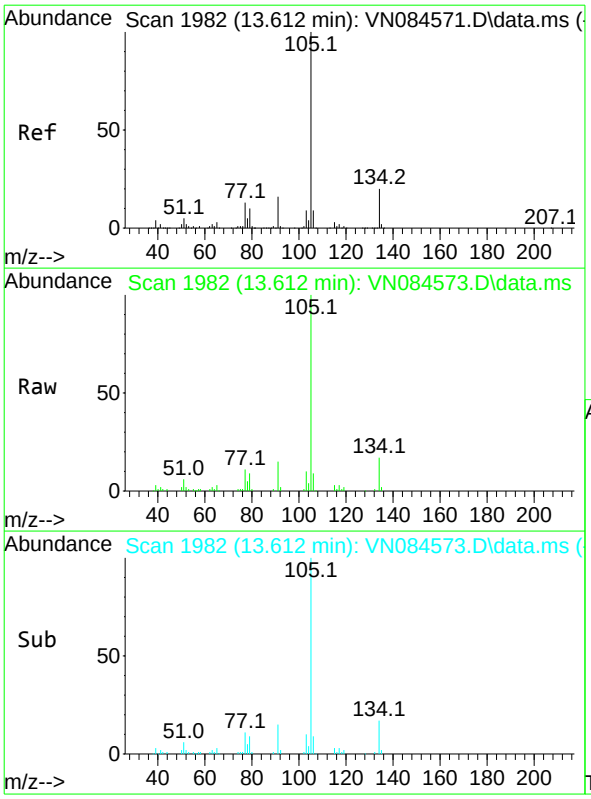


#84
1,2,4-Trimethylbenzene
Concen: 10.258 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:105 Resp: 78207

Ion	Ratio	Lower	Upper
105	100		
120	43.2	22.3	66.8

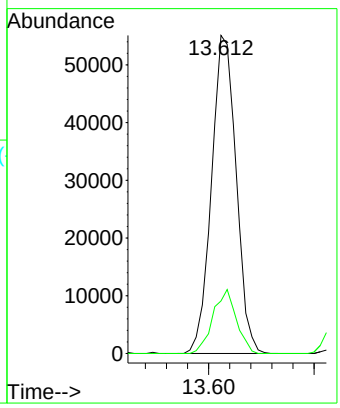




#85
sec-Butylbenzene
Concen: 10.361 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:105 Resp: 89469

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.4



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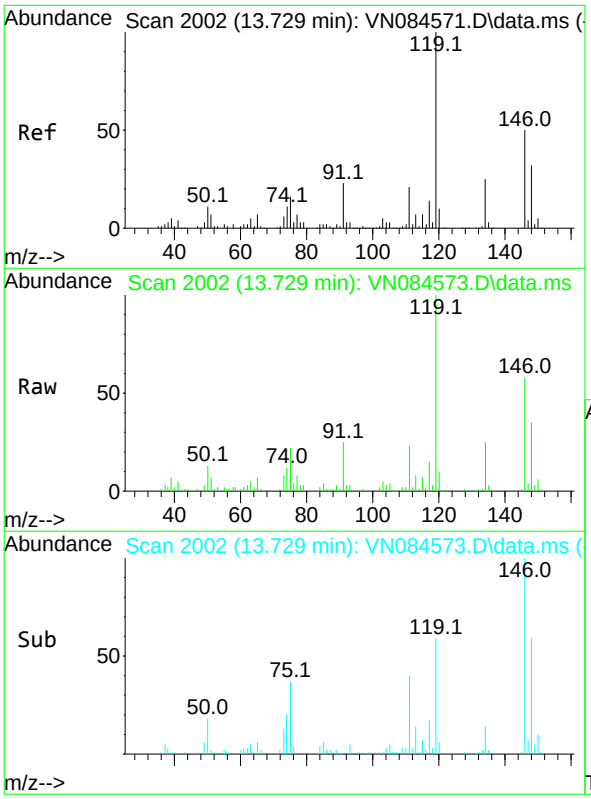
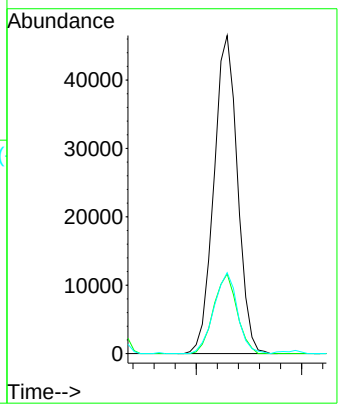
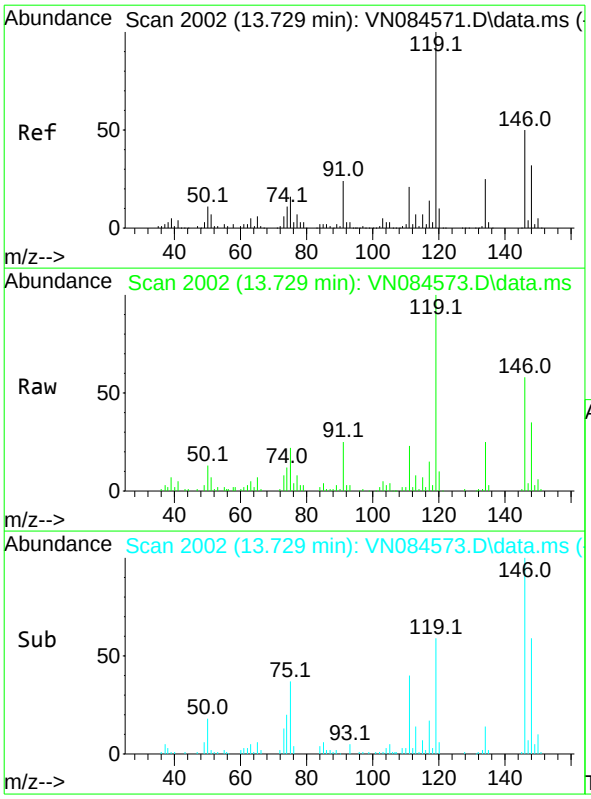


#86
p-Isopropyltoluene
Concen: 10.210 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:119 Resp: 72307

Ion	Ratio	Lower	Upper
119	100		
134	24.8	12.6	37.8
91	25.5	12.4	37.2

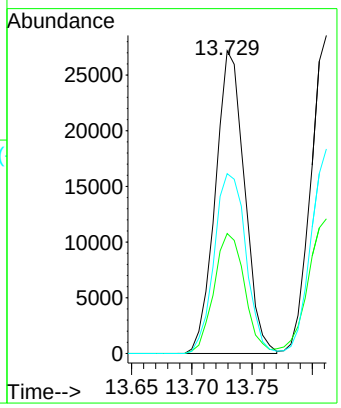




#87
1,3-Dichlorobenzene
Concen: 9.802 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:146 Resp: 45832

Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.8	65.3
148	64.6	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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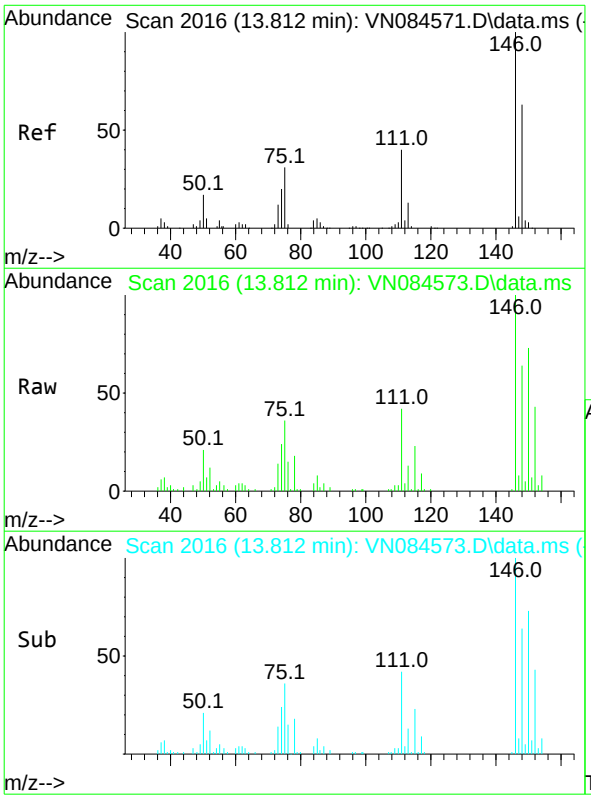
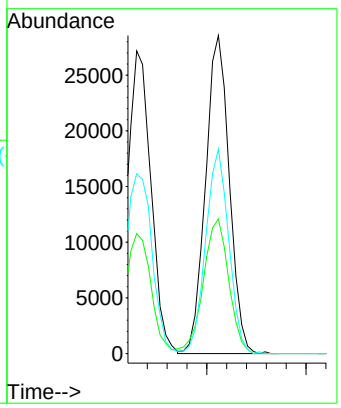
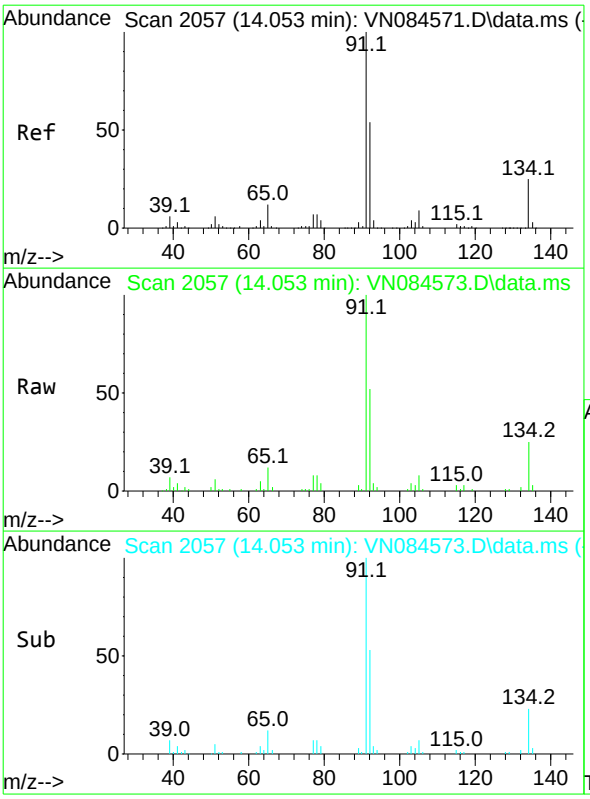


#88
1,4-Dichlorobenzene
Concen: 10.276 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:146 Resp: 47483

Ion	Ratio	Lower	Upper
146	100		
111	45.2	21.2	63.6
148	62.4	31.9	95.9

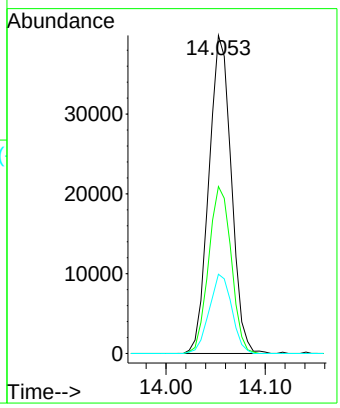




#89
n-Butylbenzene
Concen: 9.433 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 91 Resp: 62495

Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.6	79.7
134	25.1	12.3	36.9



Instrument :
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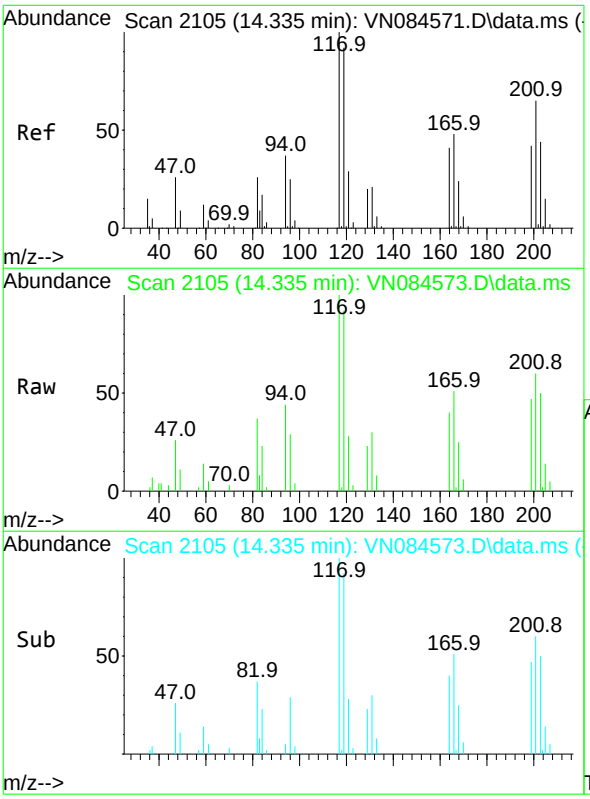
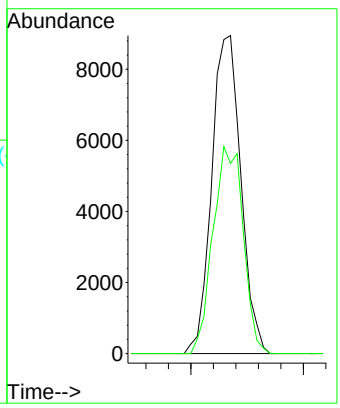
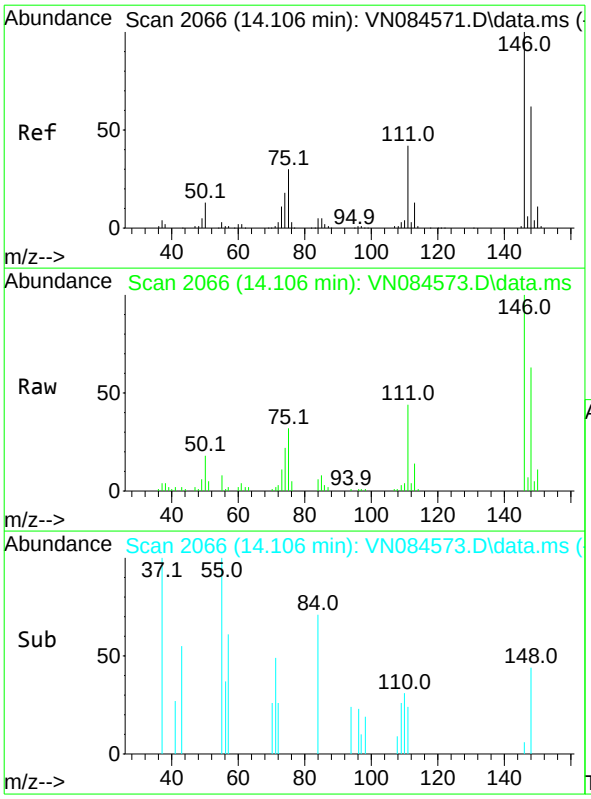


#90
Hexachloroethane
Concen: 10.194 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:117 Resp: 16100

Ion	Ratio	Lower	Upper
117	100		
201	67.4	34.4	103.2

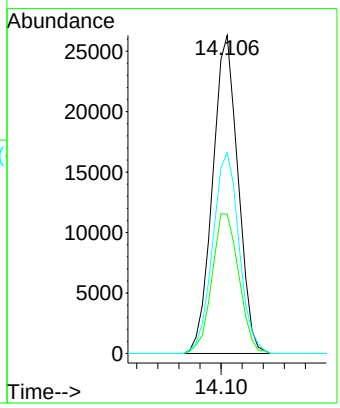




#91
1,2-Dichlorobenzene
Concen: 9.805 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:146 Resp: 44055

Ion	Ratio	Lower	Upper
146	100		
111	46.3	22.0	66.0
148	65.6	32.1	96.3



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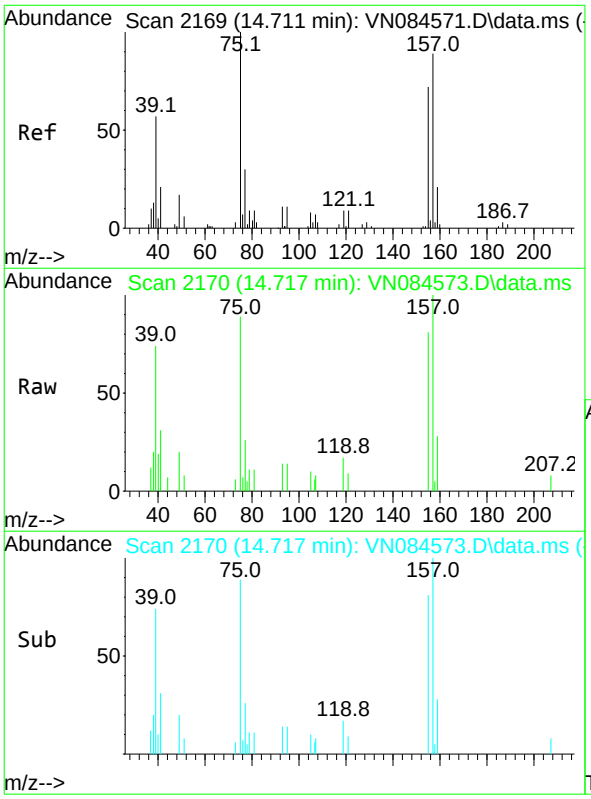
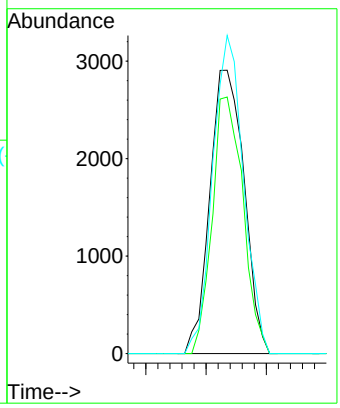
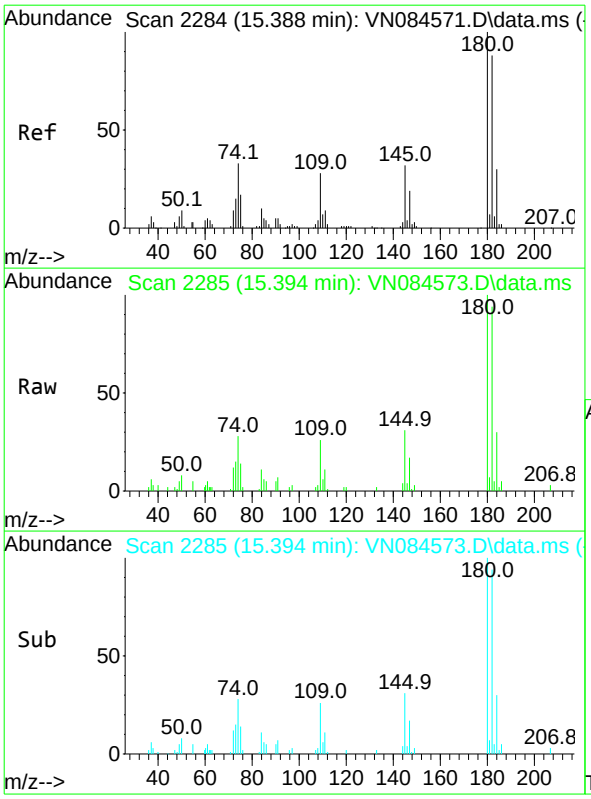


#92
1,2-Dibromo-3-Chloropropane
Concen: 9.531 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 75 Resp: 5744

Ion	Ratio	Lower	Upper
75	100		
155	81.3	38.1	114.5
157	101.0	49.6	149.0

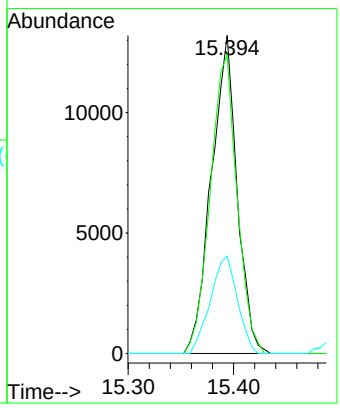




#93
1,2,4-Trichlorobenzene
Concen: 9.114 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:180 Resp: 22413

Ion	Ratio	Lower	Upper
180	100		
182	97.6	47.0	141.0
145	32.1	16.4	49.4



Instrument :
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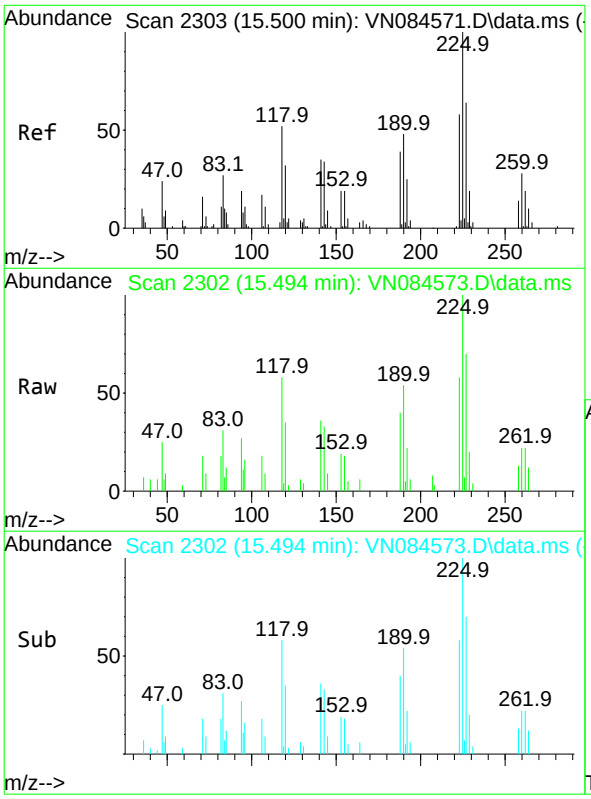
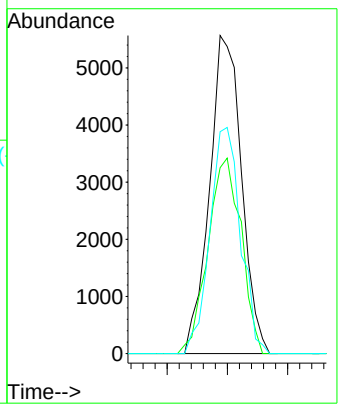
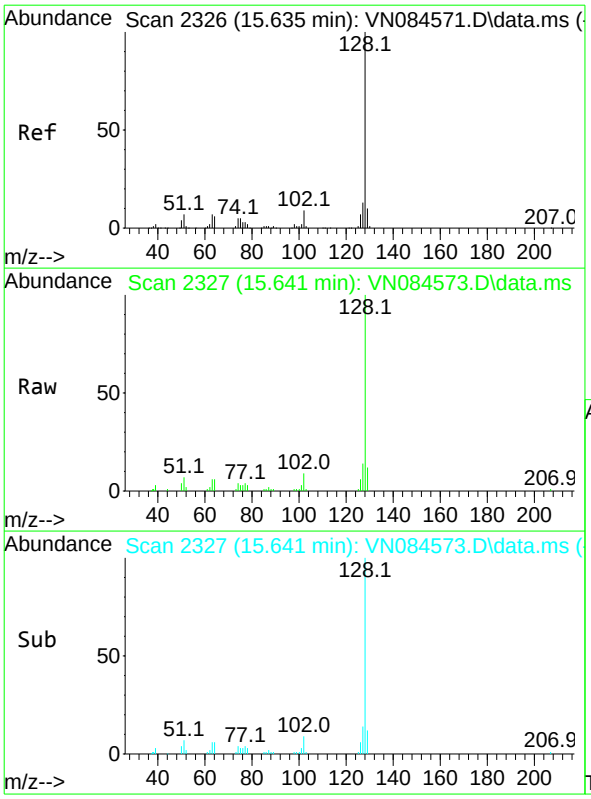


#94
Hexachlorobutadiene
Concen: 9.503 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:225 Resp: 10263

Ion	Ratio	Lower	Upper
225	100		
223	63.8	32.4	97.2
227	68.2	32.4	97.0

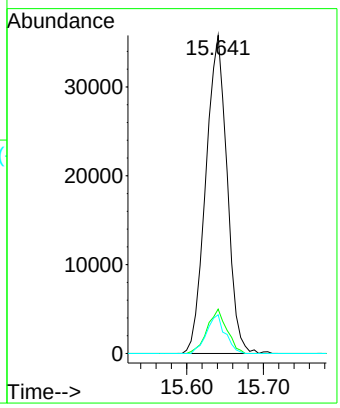




#95
Naphthalene
Concen: 9.363 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:128 Resp: 68919

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.7	8.7	13.1



Instrument :
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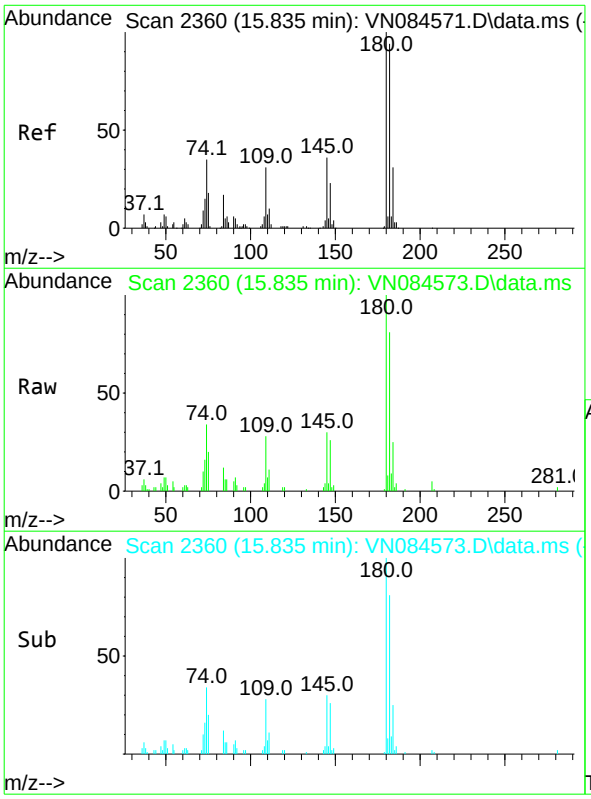
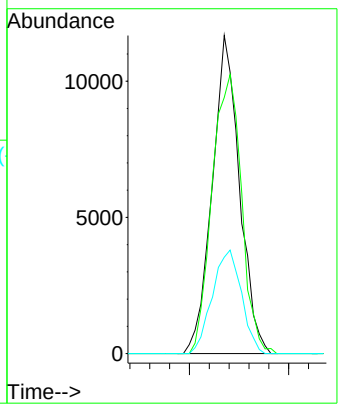
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#96
1,2,3-Trichlorobenzene
Concen: 9.342 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:180 Resp: 22303

Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.2	144.6
145	34.7	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	171598	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	297777	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	254342	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	118229	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.577	65	13227	5.337	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 10.680%#				
35) Dibromofluoromethane	8.165	113	10512	5.215	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 10.440%#				
50) Toluene-d8	10.565	98	36225	4.879	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 9.760%#				
62) 4-Bromofluorobenzene	12.847	95	13506	4.867	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 9.740%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	10192	5.167	ug/l		93
3) Chloromethane	2.360	50	17076	5.115	ug/l		97
4) Vinyl Chloride	2.513	62	11174	5.267	ug/l		96
5) Bromomethane	2.901	94	6944	6.177	ug/l		98
6) Chloroethane	3.060	64	8146	4.946	ug/l		98
7) Trichlorofluoromethane	3.460	101	18362	5.254	ug/l		98
8) Diethyl Ether	3.954	74	6372	5.168	ug/l		91
9) 1,1,2-Trichlorotrifluo...	4.348	101	10090	5.109	ug/l		99
10) Methyl Iodide	4.571	142	14021	5.312	ug/l	#	96
11) Tert butyl alcohol	5.536	59	10153	31.035	ug/l	#	87
12) 1,1-Dichloroethene	4.324	96	9474	4.848	ug/l		91
13) Acrolein	4.183	56	8890	27.251	ug/l		97
14) Allyl chloride	5.012	41	16771	5.292	ug/l		94
15) Acrylonitrile	5.724	53	25212	26.621	ug/l		99
16) Acetone	4.430	43	20706	26.370	ug/l		91
17) Carbon Disulfide	4.689	76	30614	5.087	ug/l	#	86
18) Methyl Acetate	5.030	43	21727	4.691	ug/l		99
19) Methyl tert-butyl Ether	5.795	73	30655	5.118	ug/l	#	89
20) Methylene Chloride	5.265	84	12258	5.623	ug/l		91
21) trans-1,2-Dichloroethene	5.771	96	10024	4.996	ug/l		94
22) Diisopropyl ether	6.671	45	31631	5.023	ug/l		93
23) Vinyl Acetate	6.601	43	111267	25.622	ug/l		98
24) 1,1-Dichloroethane	6.559	63	20644	5.460	ug/l		96
25) 2-Butanone	7.489	43	31742	27.452	ug/l		97
26) 2,2-Dichloropropane	7.483	77	16462	5.003	ug/l		94
27) cis-1,2-Dichloroethene	7.483	96	12105	5.167	ug/l		98
28) Bromochloromethane	7.806	49	7002	4.649	ug/l	#	91
29) Tetrahydrofuran	7.842	42	20240	26.385	ug/l		99
30) Chloroform	7.959	83	20974	5.451	ug/l		92
31) Cyclohexane	8.253	56	18750	5.480	ug/l		98
32) 1,1,1-Trichloroethane	8.165	97	17717	5.059	ug/l		97
36) 1,1-Dichloropropene	8.371	75	14193	5.077	ug/l		99
37) Ethyl Acetate	7.559	43	13884	5.474	ug/l	#	94
38) Carbon Tetrachloride	8.353	117	15977	5.113	ug/l		96
39) Methylcyclohexane	9.600	83	13624	4.791	ug/l		95
40) Benzene	8.600	78	46044	5.129	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	7091	5.199	ug/l		97
42) 1,2-Dichloroethane	8.665	62	14972	5.150	ug/l		98
43) Isopropyl Acetate	8.689	43	30044	5.554	ug/l	#	90
44) Trichloroethene	9.347	130	10168	4.911	ug/l		89
45) 1,2-Dichloropropane	9.618	63	11095	5.269	ug/l		97
46) Dibromomethane	9.706	93	7752	5.217	ug/l		97
47) Bromodichloromethane	9.889	83	15749	5.028	ug/l	#	98
48) Methyl methacrylate	9.677	41	9971	5.051	ug/l		97
49) 1,4-Dioxane	9.700	88	3729	106.609	ug/l		95
51) 4-Methyl-2-Pentanone	10.447	43	61332	25.367	ug/l		100
52) Toluene	10.630	92	26518	5.051	ug/l		99
53) t-1,3-Dichloropropene	10.836	75	16279	5.021	ug/l		93
54) cis-1,3-Dichloropropene	10.312	75	17395	5.069	ug/l		96
55) 1,1,2-Trichloroethane	11.018	97	10193	5.154	ug/l		93
56) Ethyl methacrylate	10.871	69	13362	4.671	ug/l		94
57) 1,3-Dichloropropane	11.165	76	17816	5.249	ug/l		96
58) 2-Chloroethyl Vinyl ether	10.159	63	30088	22.477	ug/l		98
59) 2-Hexanone	11.194	43	43750	24.860	ug/l		97
60) Dibromochloromethane	11.359	129	11226	4.980	ug/l		96
61) 1,2-Dibromoethane	11.471	107	10584	5.226	ug/l		97
64) Tetrachloroethene	11.100	164	8917	5.271	ug/l	#	87
65) Chlorobenzene	11.888	112	29618	5.205	ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.959	131	10265	5.186	ug/l		99
67) Ethyl Benzene	11.965	91	47037	4.952	ug/l		98
68) m/p-Xylenes	12.065	106	34753	9.665	ug/l		100
69) o-Xylene	12.394	106	16393	4.873	ug/l		99
70) Styrene	12.412	104	27807	4.739	ug/l		98
71) Bromoform	12.577	173	7686	5.161	ug/l	#	95
73) Isopropylbenzene	12.694	105	40223	4.855	ug/l		99
74) N-amyl acetate	12.494	43	18583	5.270	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	15573	5.631	ug/l		97
76) 1,2,3-Trichloropropane	12.994	75	11982m	5.136	ug/l		
77) Bromobenzene	12.983	156	11012	4.944	ug/l		98
78) n-propylbenzene	13.035	91	47776	4.921	ug/l		99
79) 2-Chlorotoluene	13.124	91	32460	5.117	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	32685	4.760	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.730	75	5096	5.116	ug/l		93
82) 4-Chlorotoluene	13.218	91	33672	5.044	ug/l		98
83) tert-Butylbenzene	13.435	119	26850	4.724	ug/l		95
84) 1,2,4-Trimethylbenzene	13.483	105	32703	4.614	ug/l		100
85) sec-Butylbenzene	13.612	105	37187	4.632	ug/l		97
86) p-Isopropyltoluene	13.730	119	29767	4.521	ug/l		97
87) 1,3-Dichlorobenzene	13.730	146	22272	5.124	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	22213	4.741	ug/l		91
89) n-Butylbenzene	14.053	91	29010	4.710	ug/l		99
90) Hexachloroethane	14.335	117	7404	5.043	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	22221	5.320	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.718	75	3239	5.781	ug/l		93
93) 1,2,4-Trichlorobenzene	15.394	180	11298	4.942	ug/l		99
94) Hexachlorobutadiene	15.500	225	5184	5.163	ug/l		96
95) Naphthalene	15.641	128	32966	4.817	ug/l		98
96) 1,2,3-Trichlorobenzene	15.835	180	11106	5.004	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

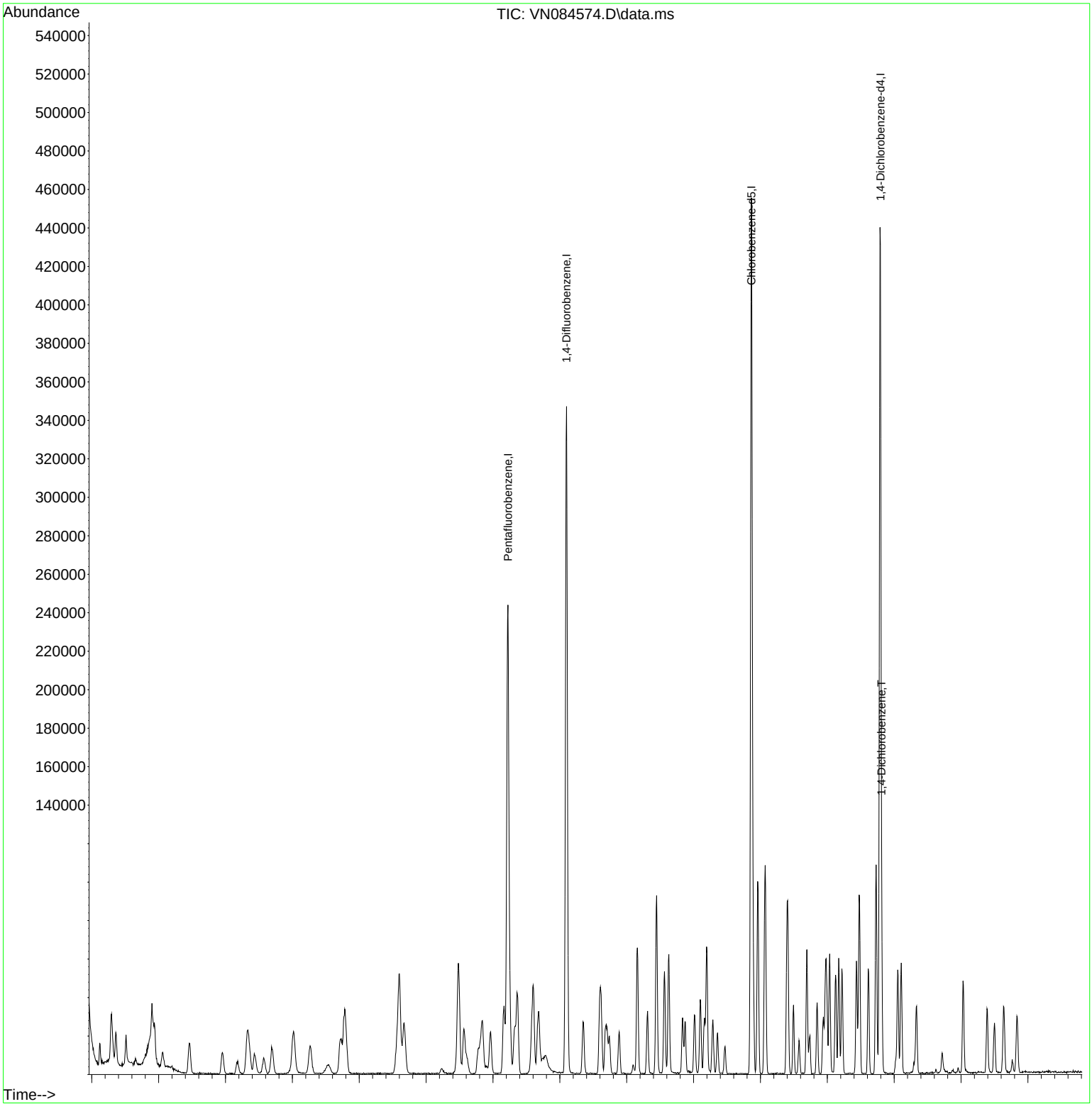
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

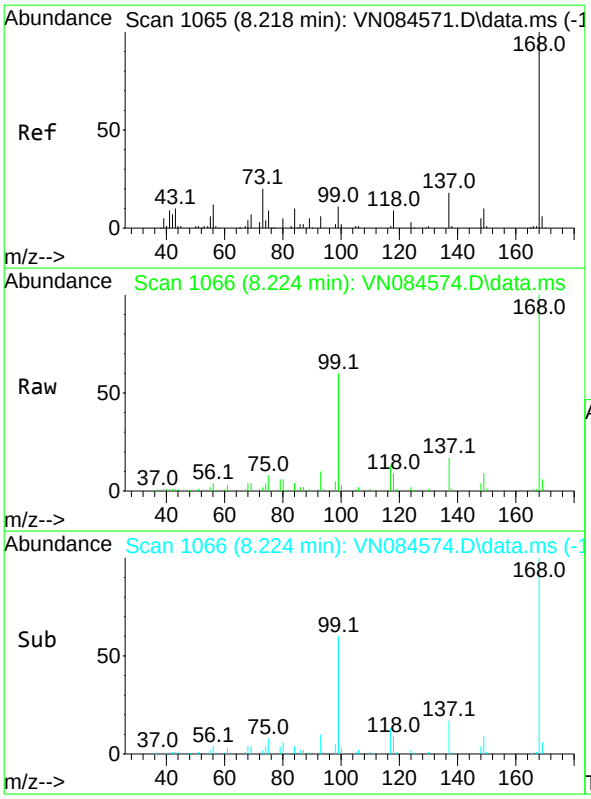
Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

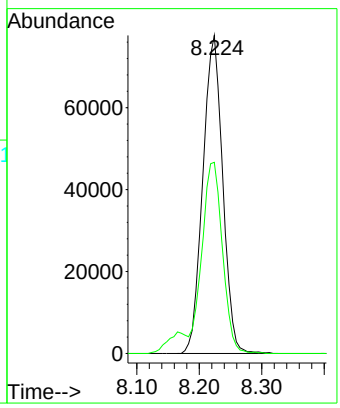




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:168 Resp: 171598

Ion	Ratio	Lower	Upper
168	100		
99	60.1	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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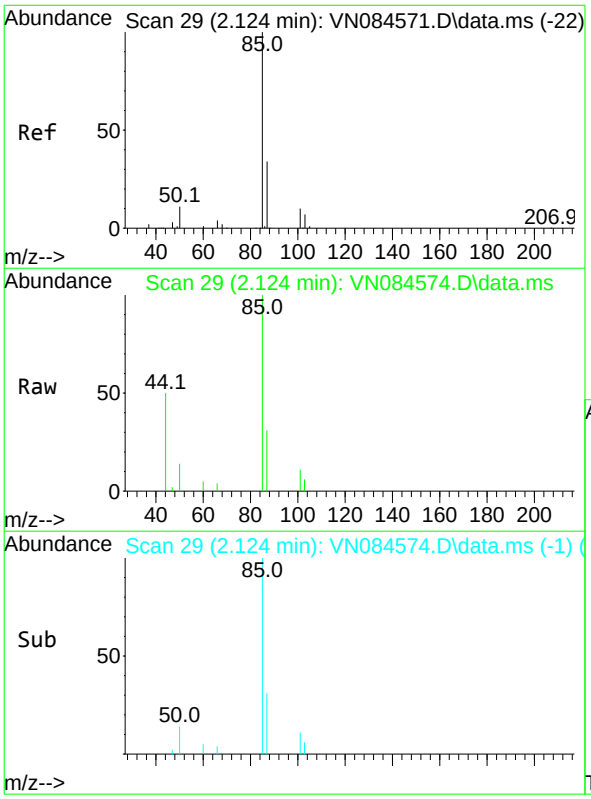
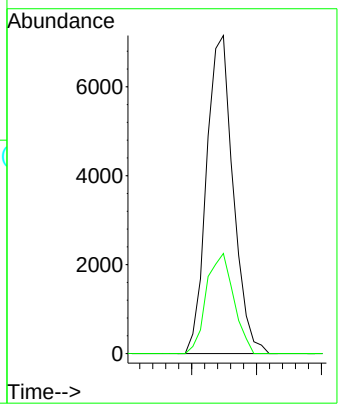
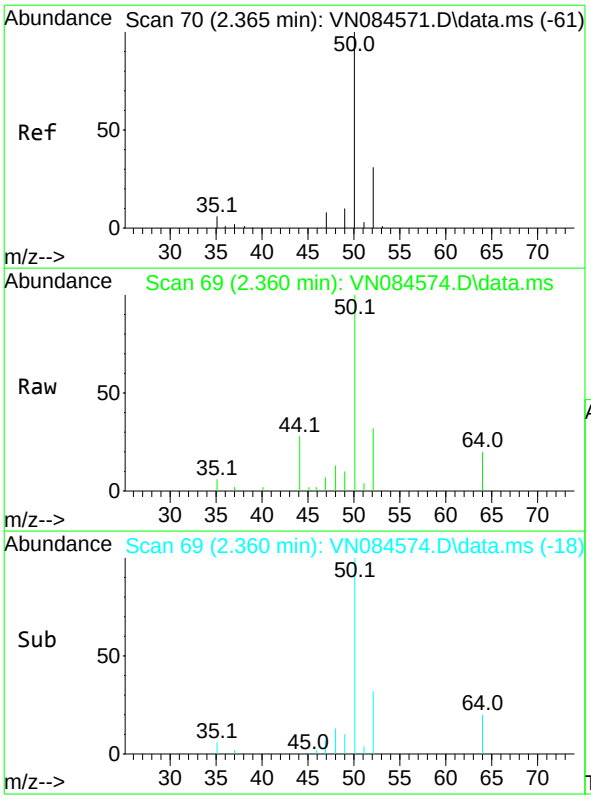


#2
Dichlorodifluoromethane
Concen: 5.167 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 85 Resp: 10192

Ion	Ratio	Lower	Upper
85	100		
87	31.5	17.6	52.9

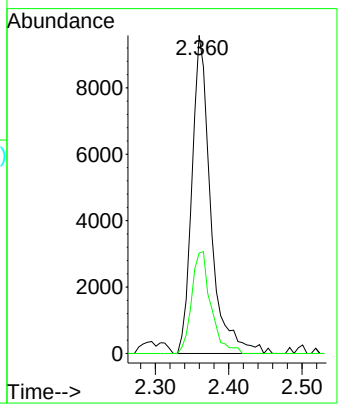




#3
Chloromethane
Concen: 5.115 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.001 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 50 Resp: 17076

Ion	Ratio	Lower	Upper
50	100		
52	31.6	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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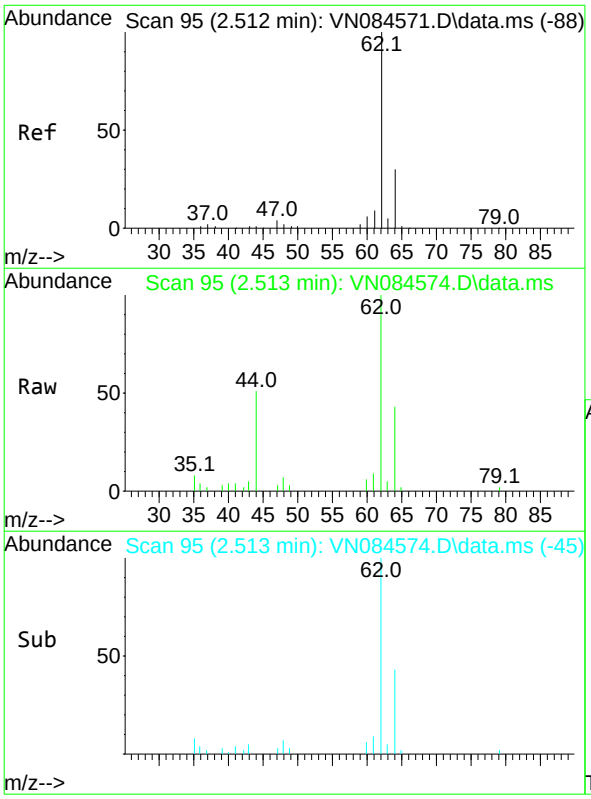
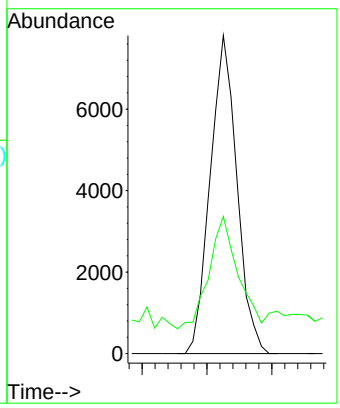
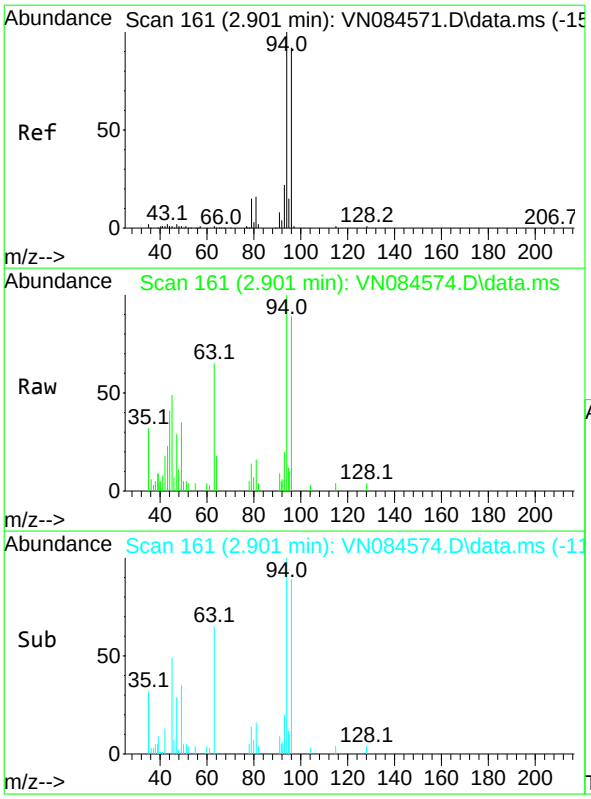


#4
Vinyl Chloride
Concen: 5.267 ug/l
RT: 2.513 min Scan# 95
Delta R.T. -0.005 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 62 Resp: 11174

Ion	Ratio	Lower	Upper
62	100		
64	35.3	26.2	39.4

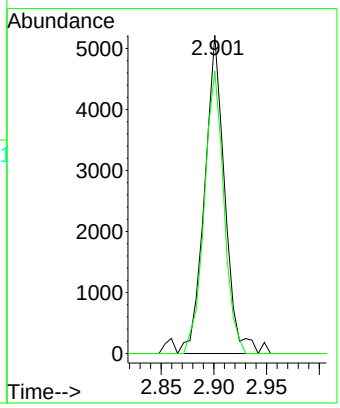




#5
Bromomethane
Concen: 6.177 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.052 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 94 Resp: 6944

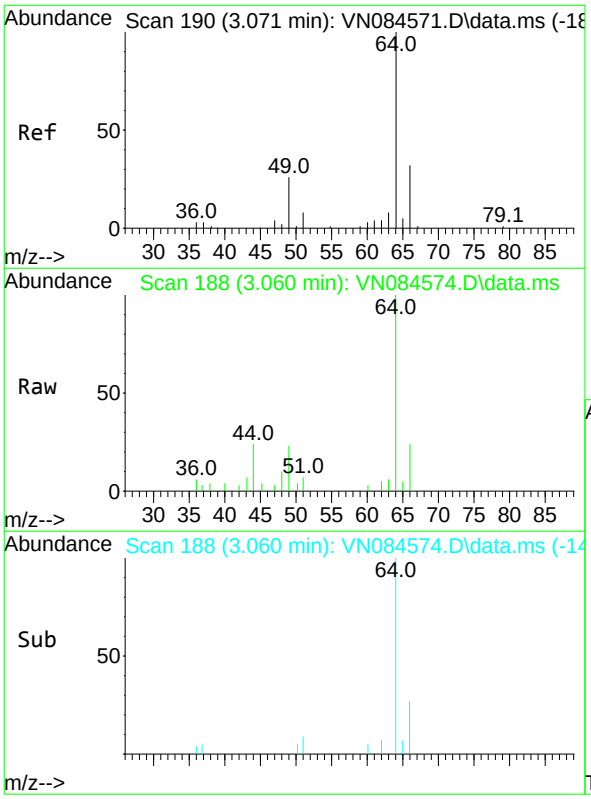
Ion	Ratio	Lower	Upper
94	100		
96	88.8	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

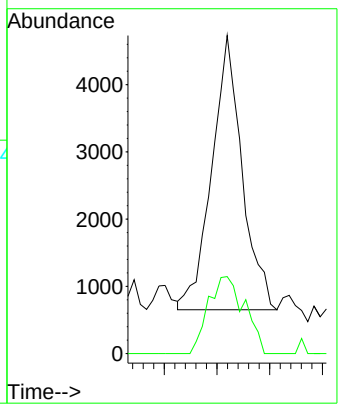
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

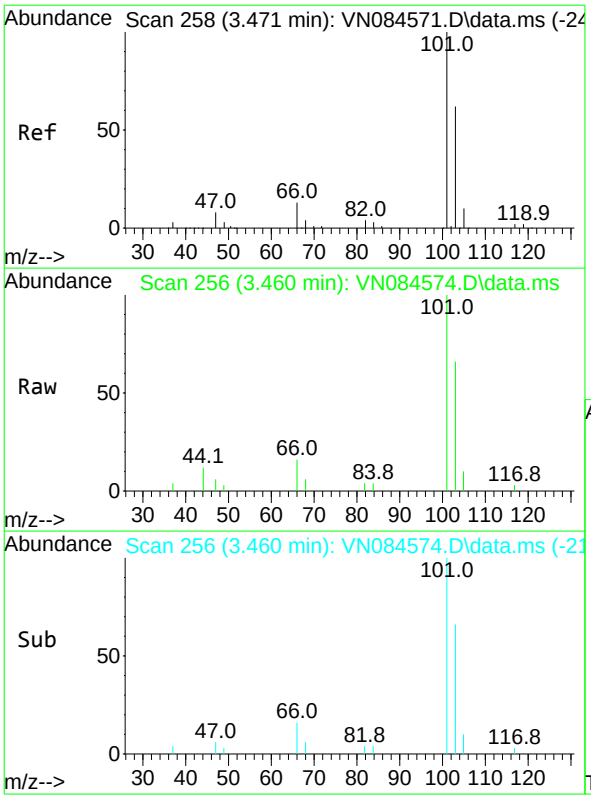


#6
Chloroethane
Concen: 4.946 ug/l
RT: 3.060 min Scan# 188
Delta R.T. -0.058 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 64 Resp: 8146

Ion	Ratio	Lower	Upper
64	100		
66	28.1	23.5	35.3

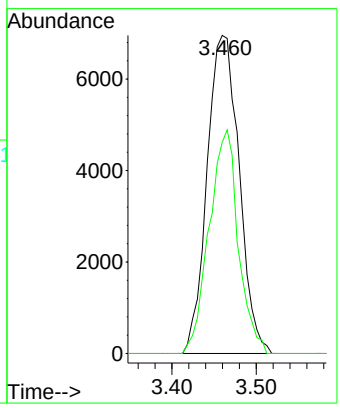




#7
Trichlorofluoromethane
Concen: 5.254 ug/l
RT: 3.460 min Scan# 25
Delta R.T. -0.035 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:101 Resp: 18362

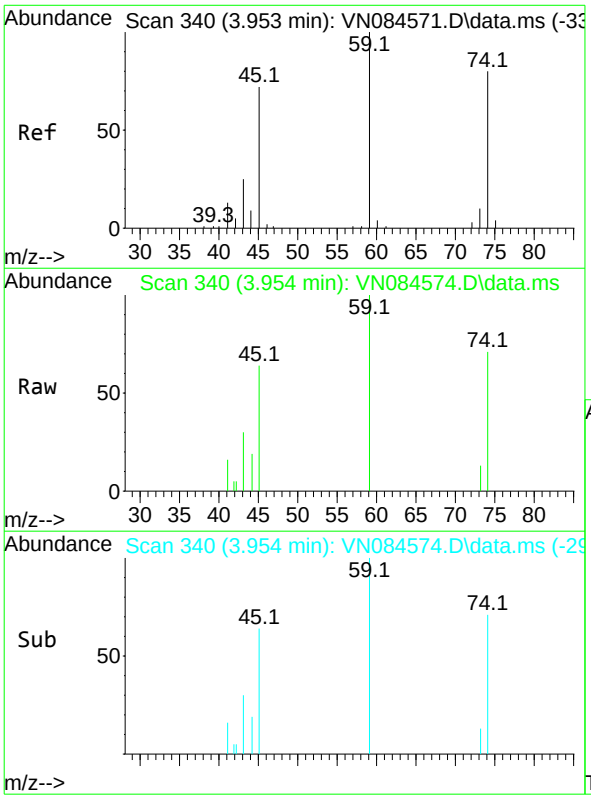
Ion	Ratio	Lower	Upper
101	100		
103	66.4	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

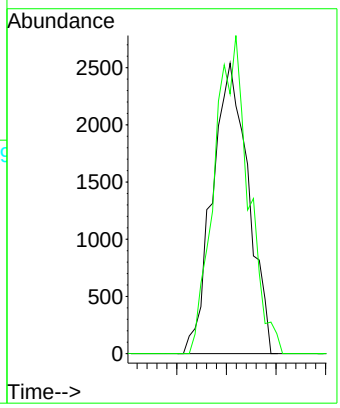
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

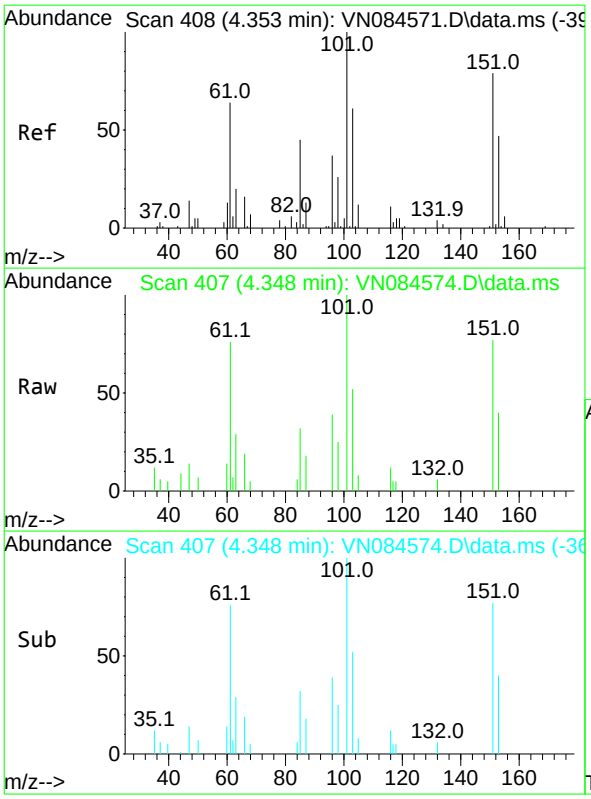


#8
Diethyl Ether
Concen: 5.168 ug/l
RT: 3.954 min Scan# 340
Delta R.T. -0.005 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 74 Resp: 6372

Ion	Ratio	Lower	Upper
74	100		
45	104.5	47.7	143.1

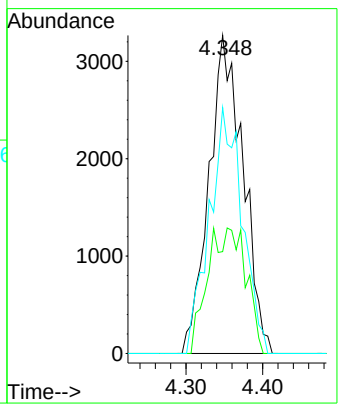




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.109 ug/l
RT: 4.348 min Scan# 40
Delta R.T. -0.023 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:101 Resp: 10090

Ion	Ratio	Lower	Upper
101	100		
85	44.4	36.2	54.4
151	74.7	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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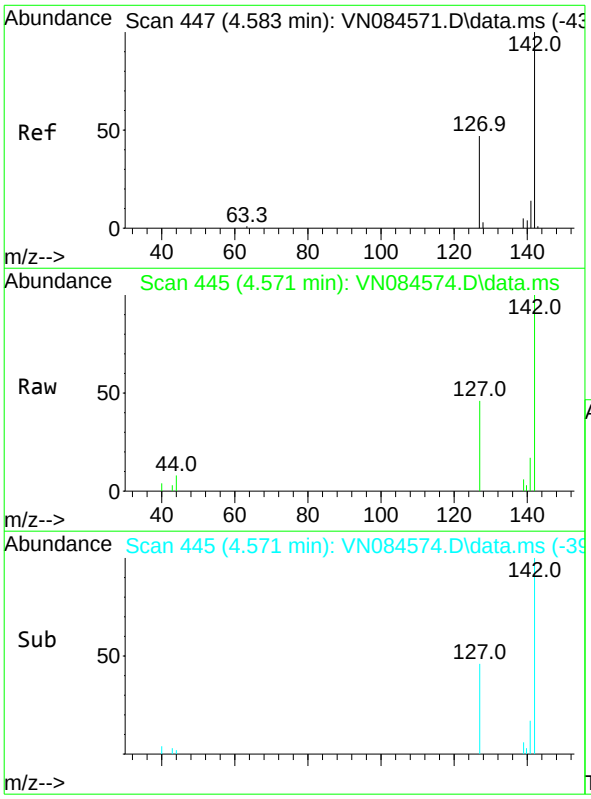
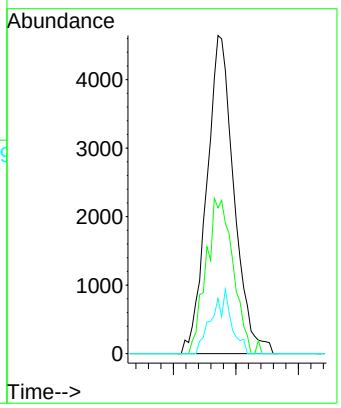
Supervised By :Mahesh Dadoda 11/04/2024

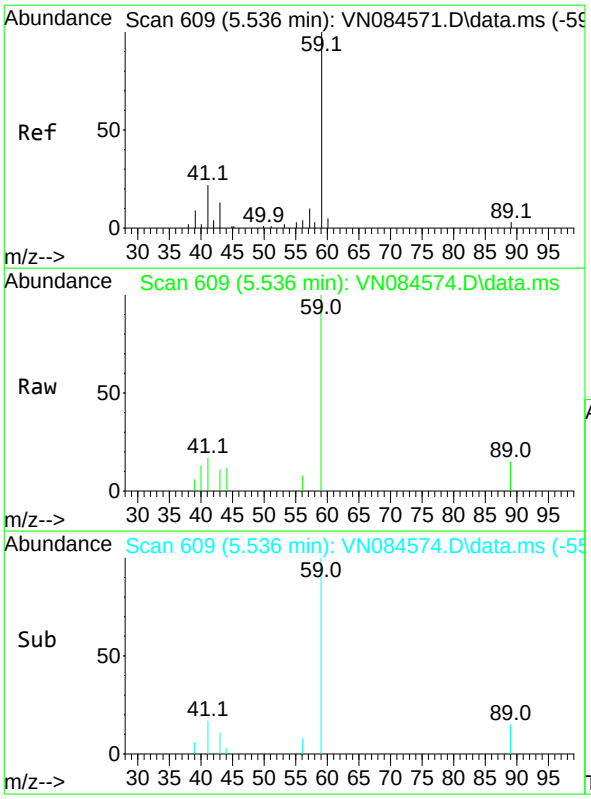


#10
Methyl Iodide
Concen: 5.312 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.023 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:142 Resp: 14021

Ion	Ratio	Lower	Upper
142	100		
127	45.8	35.3	52.9
141	17.3	11.0	16.6#

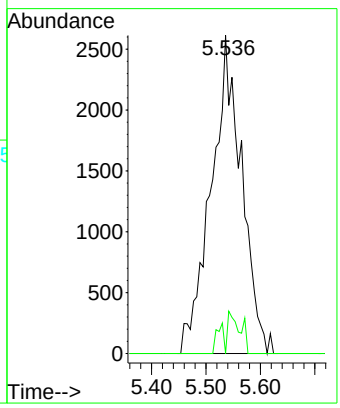




#11
Tert butyl alcohol
Concen: 31.035 ug/l
RT: 5.536 min Scan# 60
Delta R.T. 0.012 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 59 Resp: 10153

Ion	Ratio	Lower	Upper
59	100		
57	5.4	8.2	12.2#



Instrument :
MSVOA_N
ClientSampleId :
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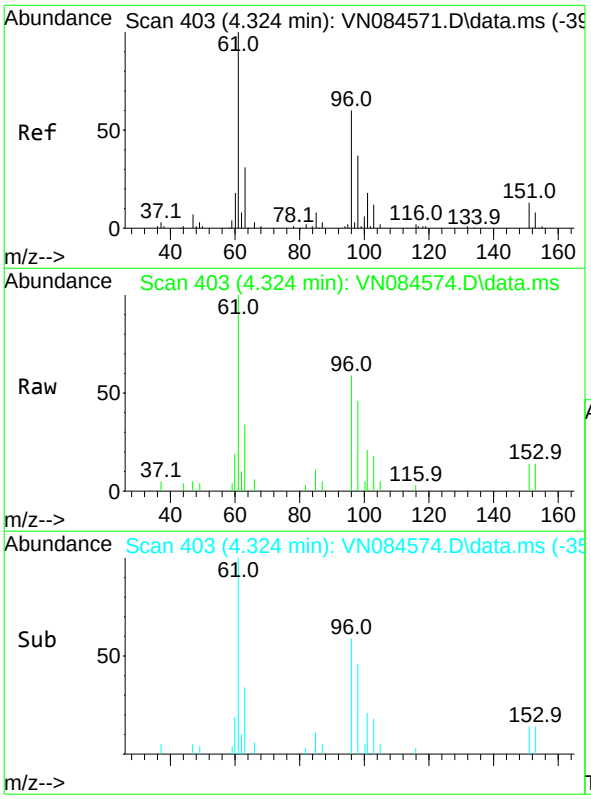
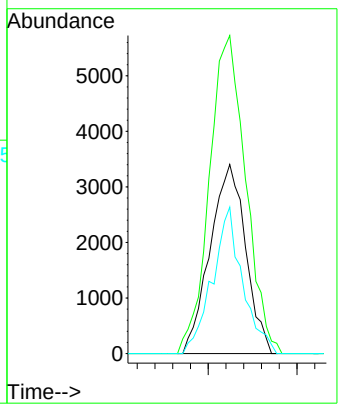
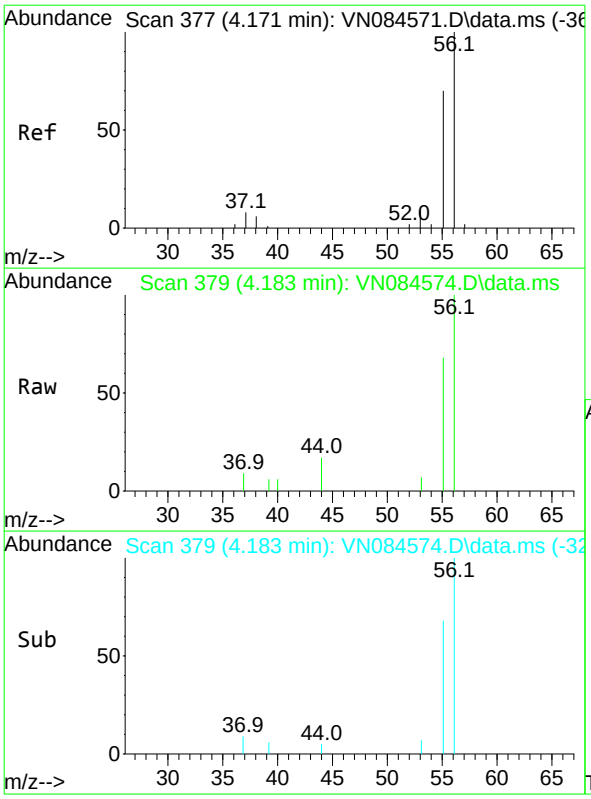


#12
1,1-Dichloroethene
Concen: 4.848 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.017 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 96 Resp: 9474

Ion	Ratio	Lower	Upper
96	100		
61	168.2	128.6	192.8
98	77.5	51.7	77.5

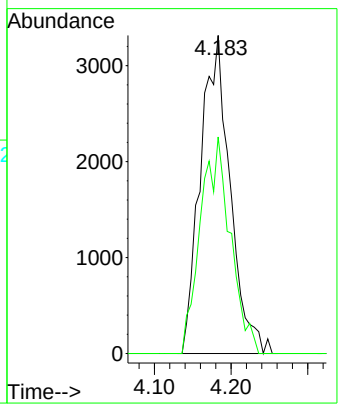




#13
Acrolein
Concen: 27.251 ug/l
RT: 4.183 min Scan# 37
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 56 Resp: 8890

Ion	Ratio	Lower	Upper
56	100		
55	68.6	57.2	85.8



Instrument :
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ClientSampleId :
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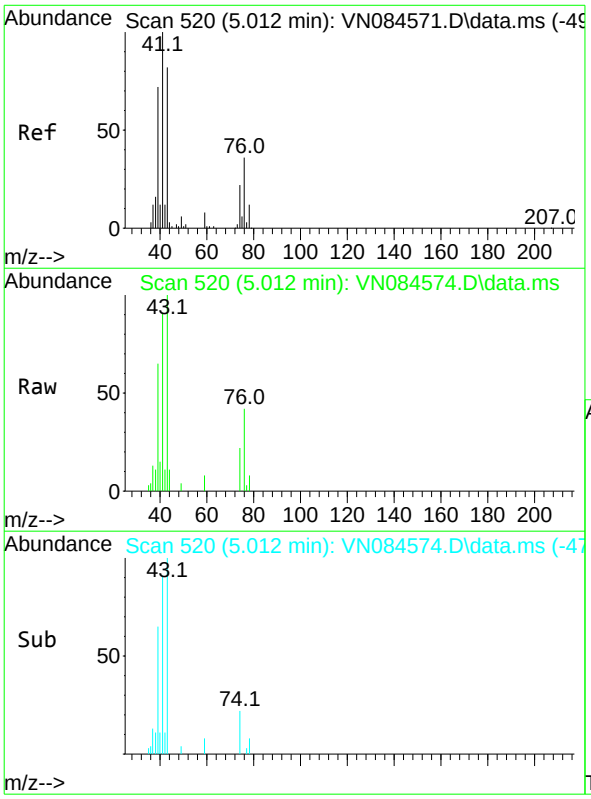
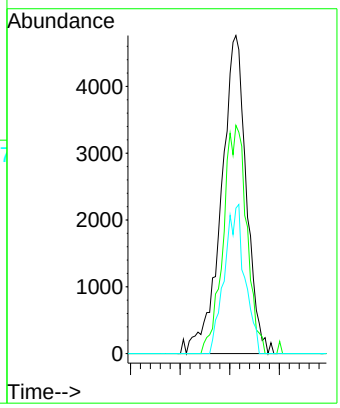
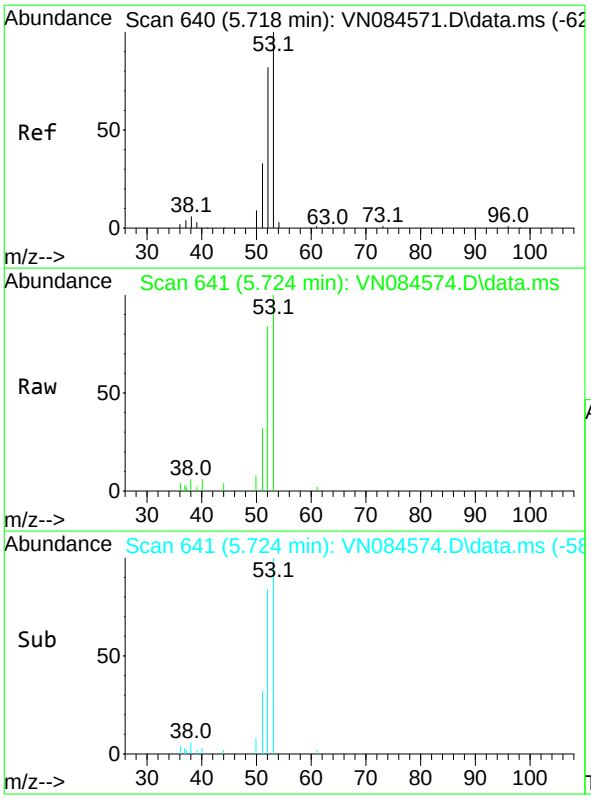


#14
Allyl chloride
Concen: 5.292 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 41 Resp: 16771

Ion	Ratio	Lower	Upper
41	100		
39	67.1	59.0	88.6
76	38.0	29.8	44.6

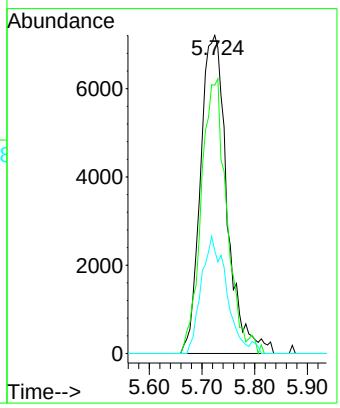




#15
Acrylonitrile
Concen: 26.621 ug/l
RT: 5.724 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 53 Resp: 25212

Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.2	99.4
51	34.6	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
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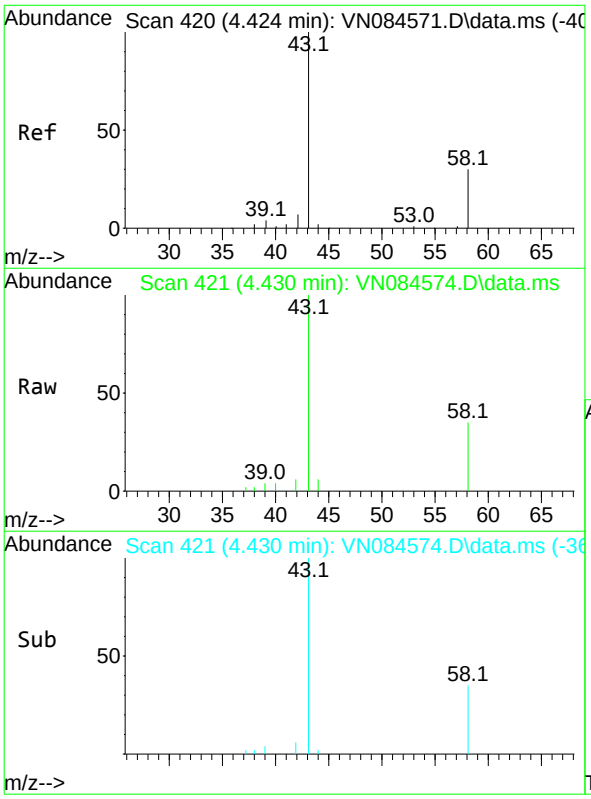
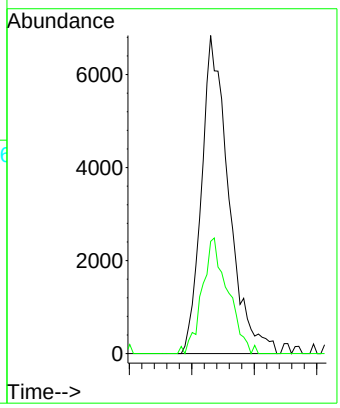
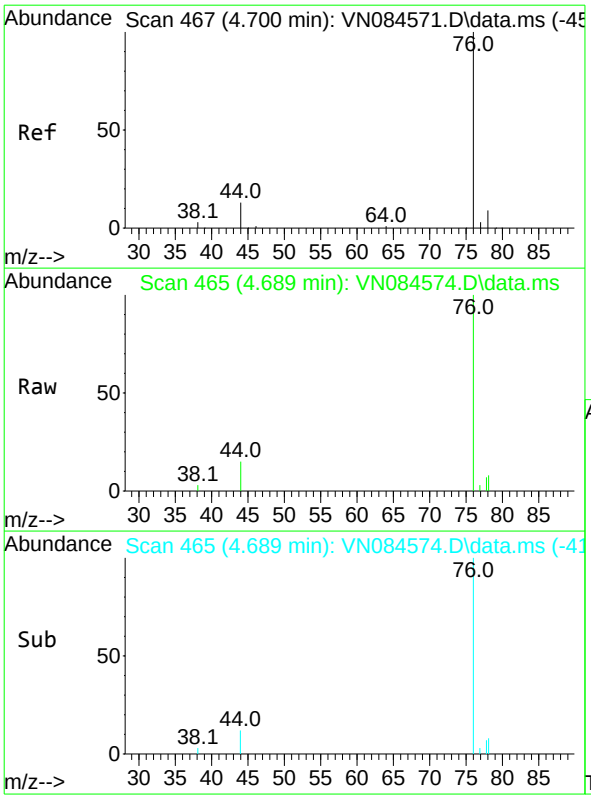


#16
Acetone
Concen: 26.370 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 43 Resp: 20706

Ion	Ratio	Lower	Upper
43	100		
58	35.3	24.4	36.6





#17
Carbon Disulfide
Concen: 5.087 ug/l
RT: 4.689 min Scan# 46
Delta R.T. -0.023 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 76 Resp: 30614

Ion	Ratio	Lower	Upper
76	100		
78	14.2	7.3	10.9#

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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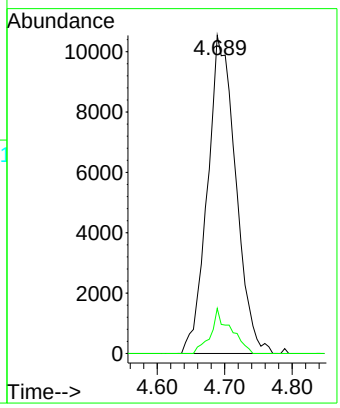
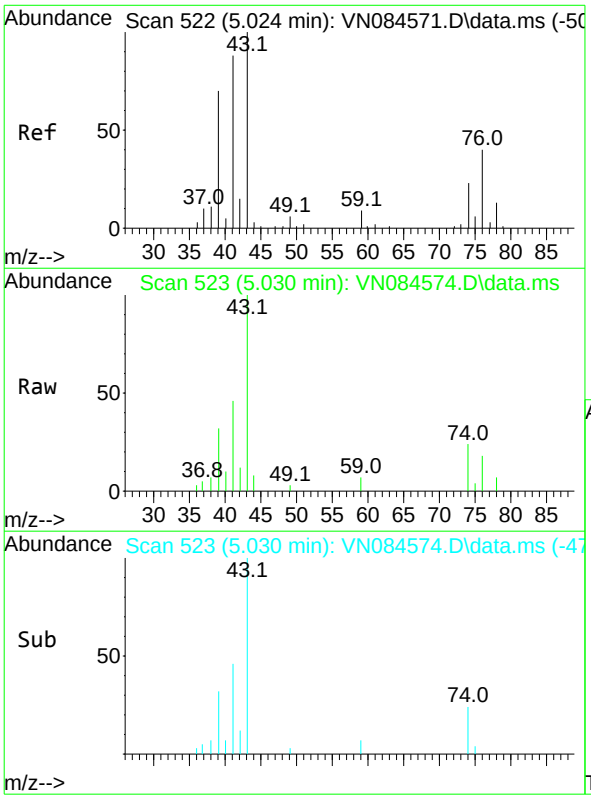
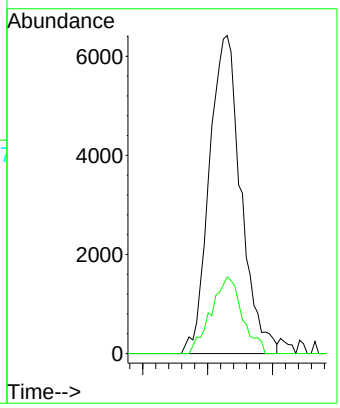


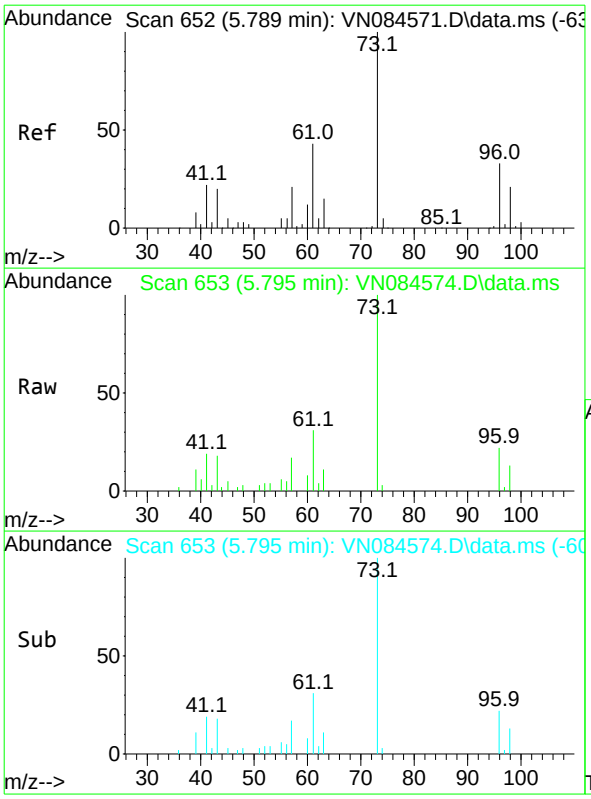


#18
Methyl Acetate
Concen: 4.691 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 43 Resp: 21727

Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.2	28.8

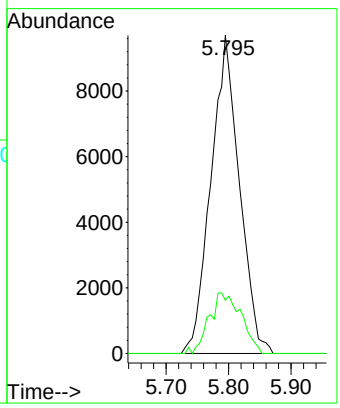




#19
Methyl tert-butyl Ether
Concen: 5.118 ug/l
RT: 5.795 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 73 Resp: 30655

Ion	Ratio	Lower	Upper
73	100		
57	16.7	17.7	26.5#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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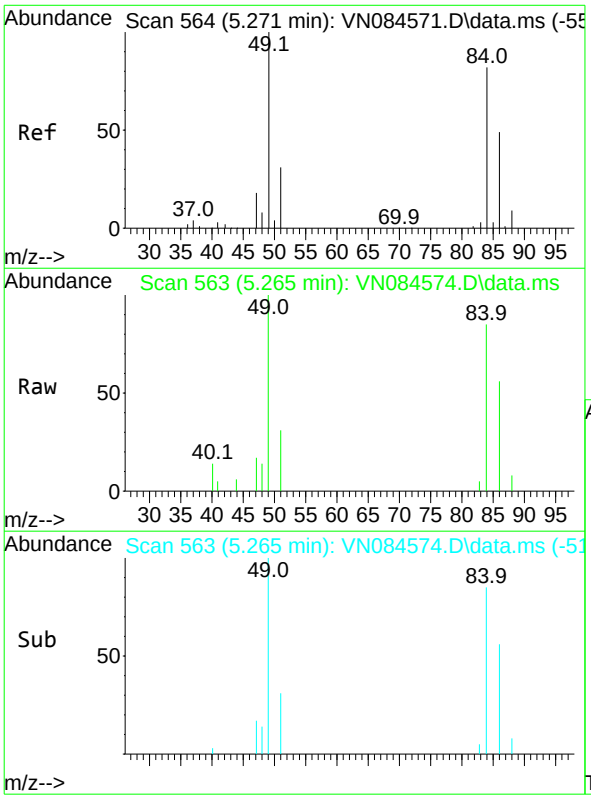
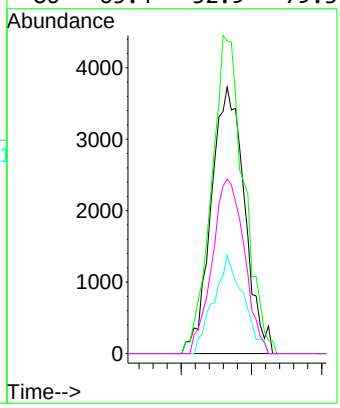
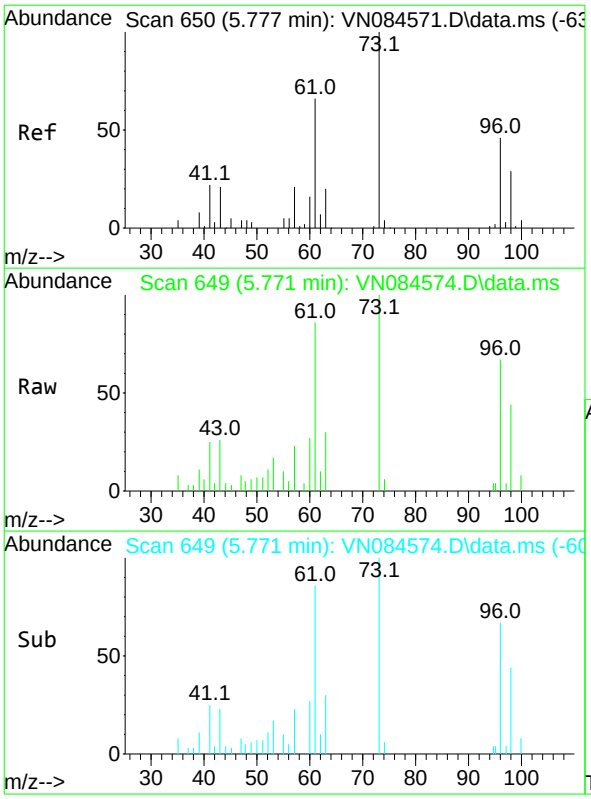


#20
Methylene Chloride
Concen: 5.623 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 84 Resp: 12258

Ion	Ratio	Lower	Upper
84	100		
49	117.4	107.2	160.8
51	36.9	31.8	47.8
86	65.4	52.9	79.3

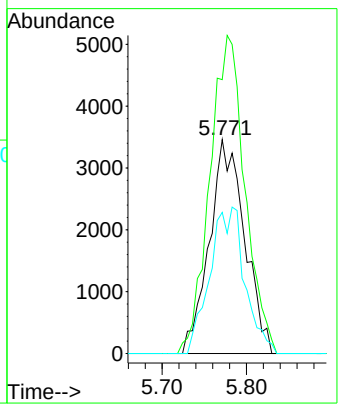




#21
trans-1,2-Dichloroethene
Concen: 4.996 ug/l
RT: 5.771 min Scan# 64
Delta R.T. -0.017 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 96 Resp: 10024

Ion	Ratio	Lower	Upper
96	100		
61	128.0	108.4	162.6
98	66.0	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
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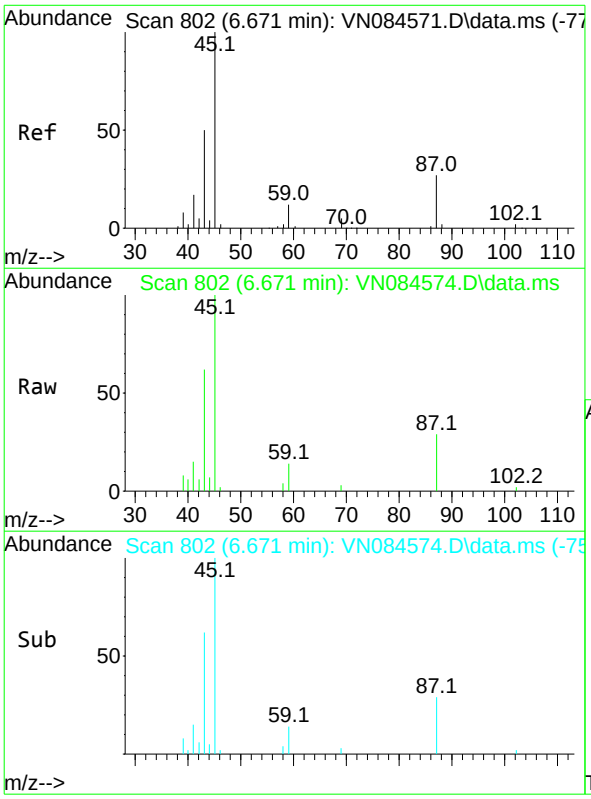
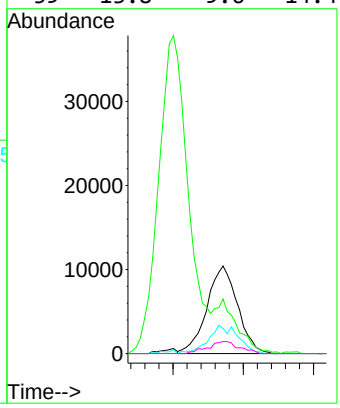
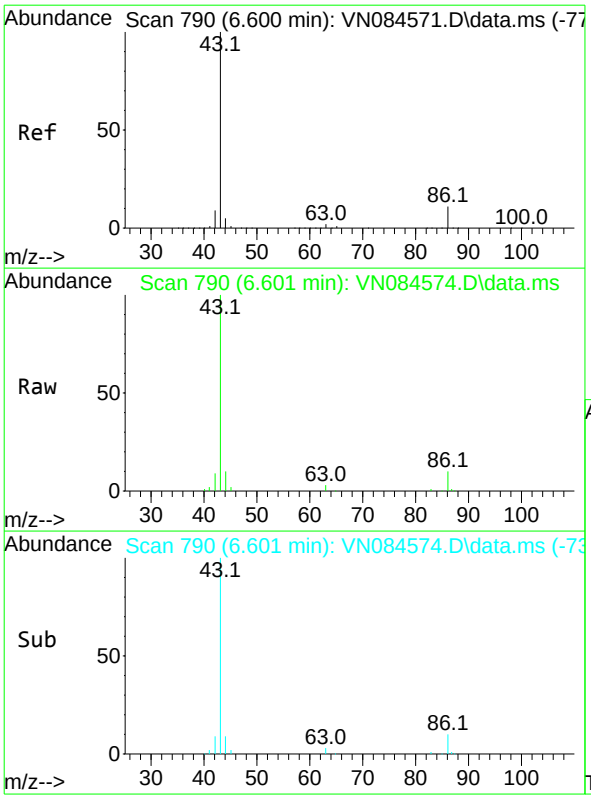


#22
Diisopropyl ether
Concen: 5.023 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 45 Resp: 31631

Ion	Ratio	Lower	Upper
45	100		
43	60.3	42.3	63.5
87	28.8	21.8	32.6
59	13.8	9.6	14.4

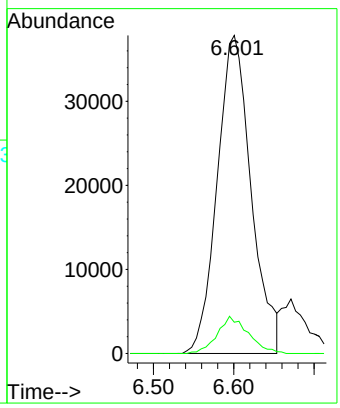




#23
Vinyl Acetate
Concen: 25.622 ug/l
RT: 6.601 min Scan# 79
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 43 Resp: 111267

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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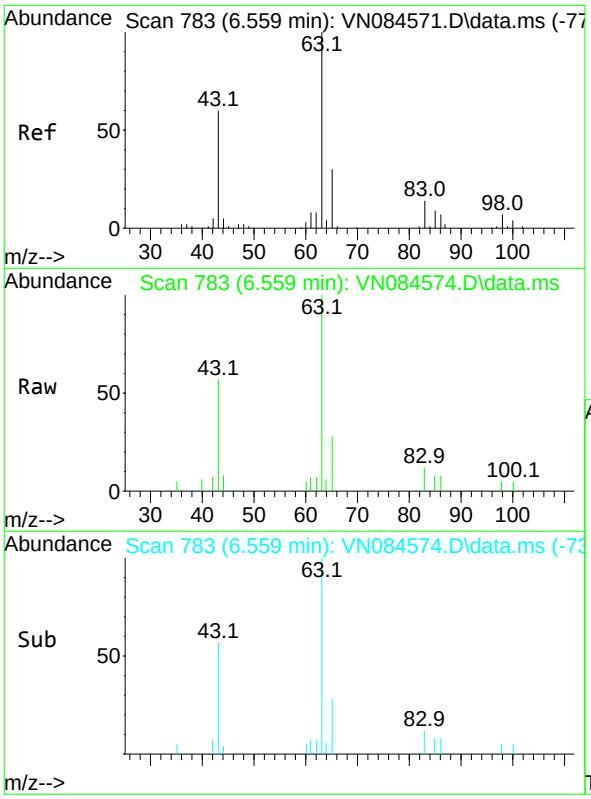
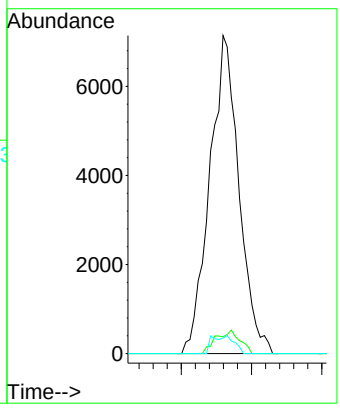
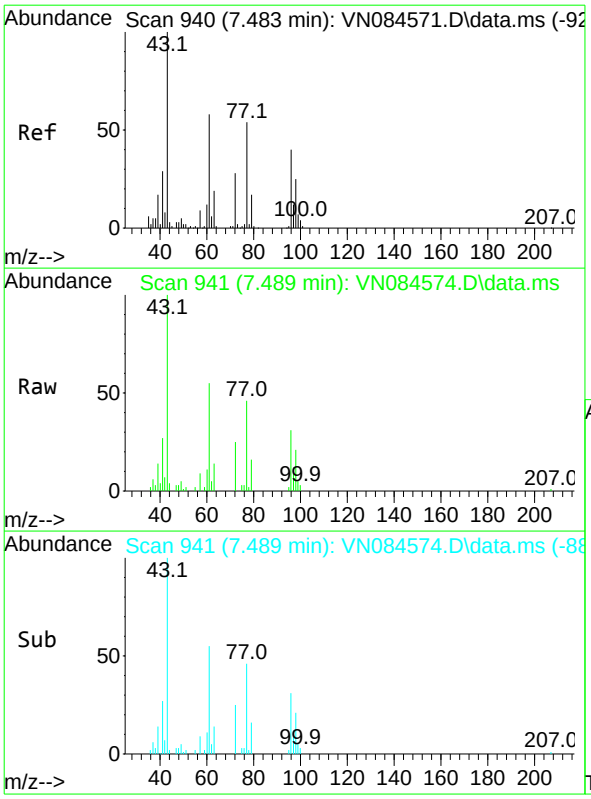


#24
1,1-Dichloroethane
Concen: 5.460 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.011 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 63 Resp: 20644

Ion	Ratio	Lower	Upper
63	100		
98	5.3	3.4	10.2
100	4.9	2.0	5.8

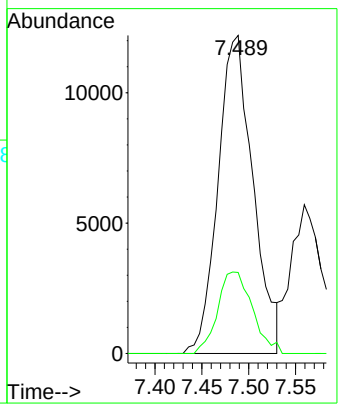




#25
2-Butanone
Concen: 27.452 ug/l
RT: 7.489 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 43 Resp: 31742

Ion	Ratio	Lower	Upper
43	100		
72	25.5	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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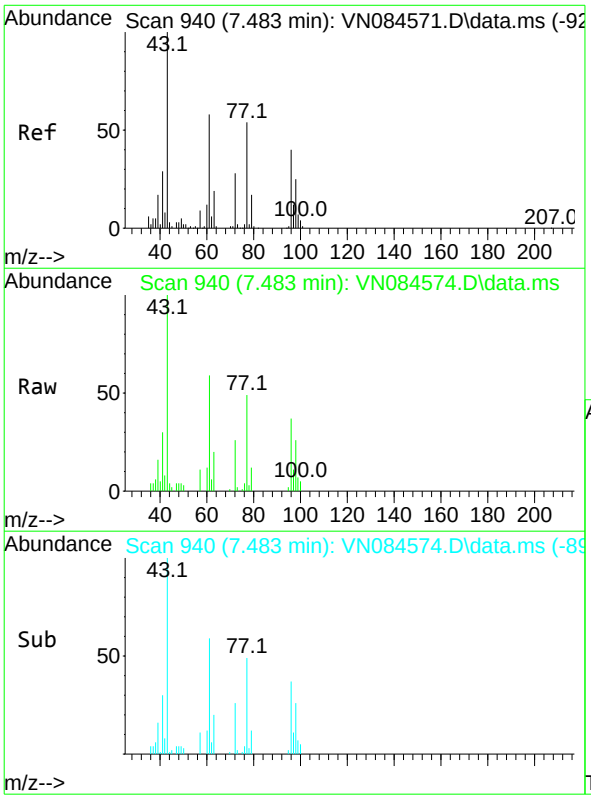
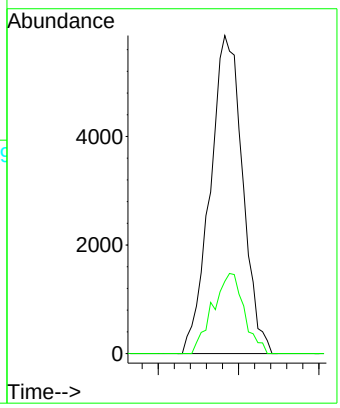
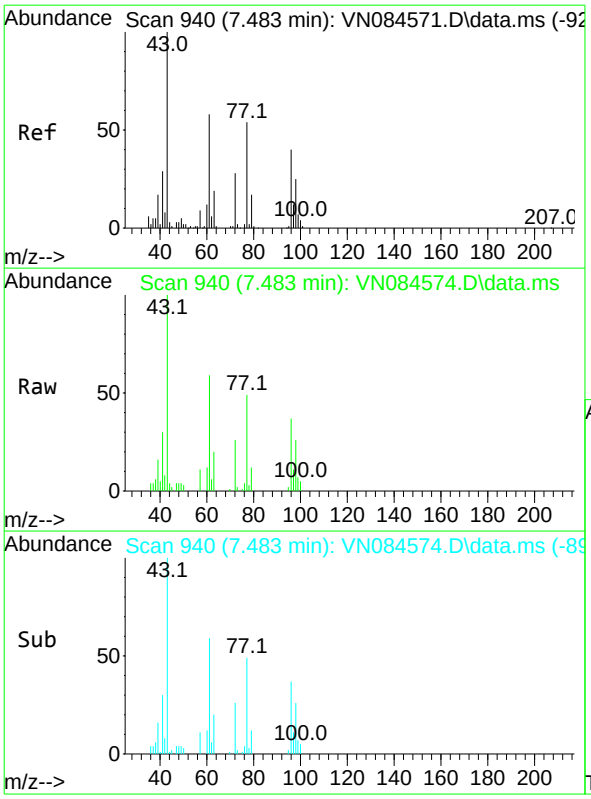


#26
2,2-Dichloropropane
Concen: 5.003 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 77 Resp: 16462

Ion	Ratio	Lower	Upper
77	100		
97	24.2	10.8	32.3

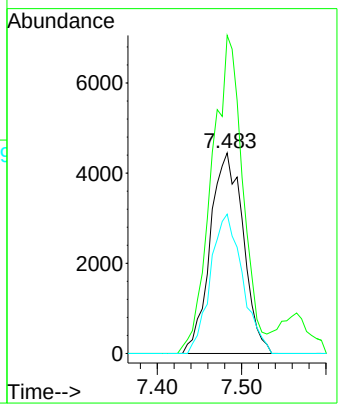




#27
cis-1,2-Dichloroethene
Concen: 5.167 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 96 Resp: 12105

Ion	Ratio	Lower	Upper
96	100		
61	150.0	0.0	301.8
98	67.6	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
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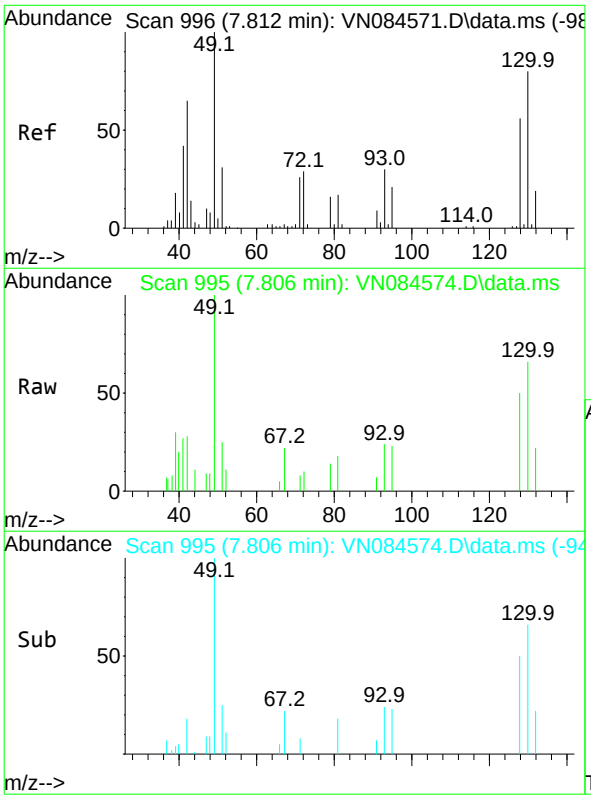
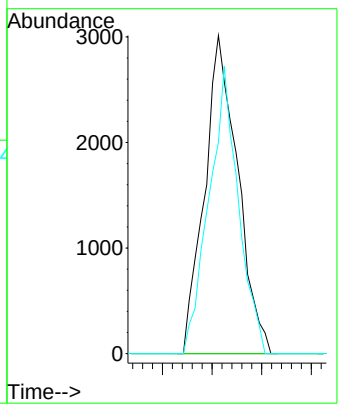
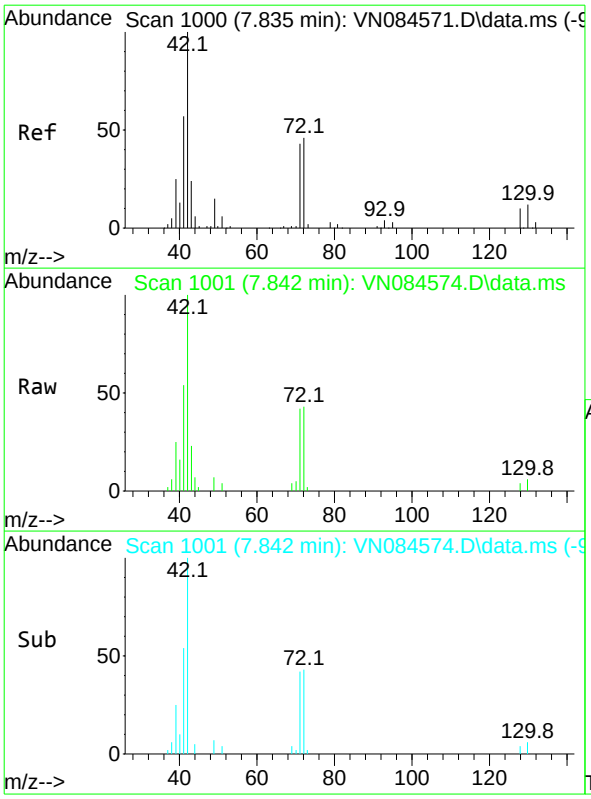


#28
Bromochloromethane
Concen: 4.649 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 49 Resp: 7002

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	79.7	58.0	87.0

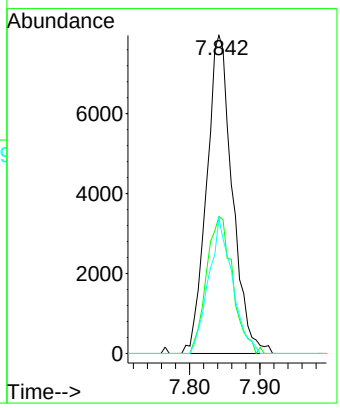




#29
Tetrahydrofuran
Concen: 26.385 ug/l
RT: 7.842 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 42 Resp: 20240

Ion	Ratio	Lower	Upper
42	100		
72	43.6	34.6	51.8
71	39.3	32.2	48.4



Instrument :
MSVOA_N
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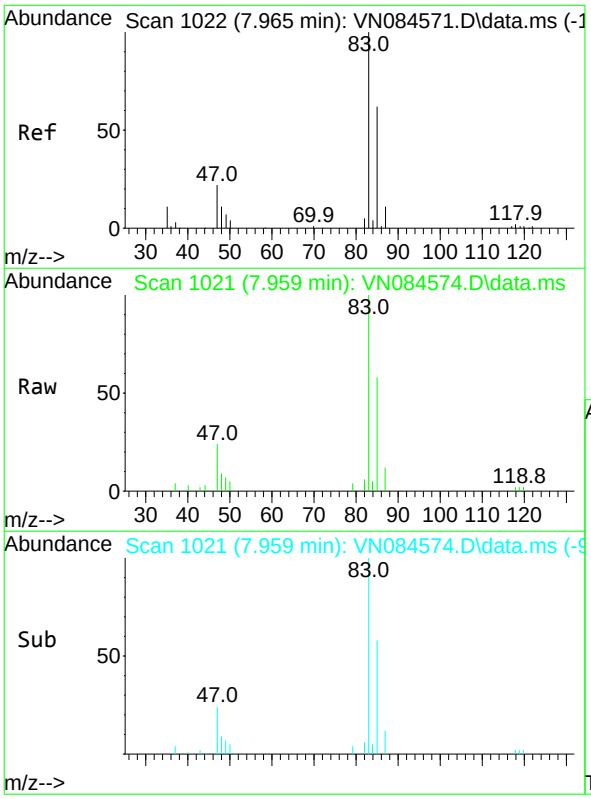
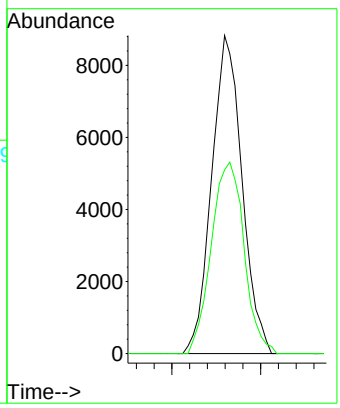
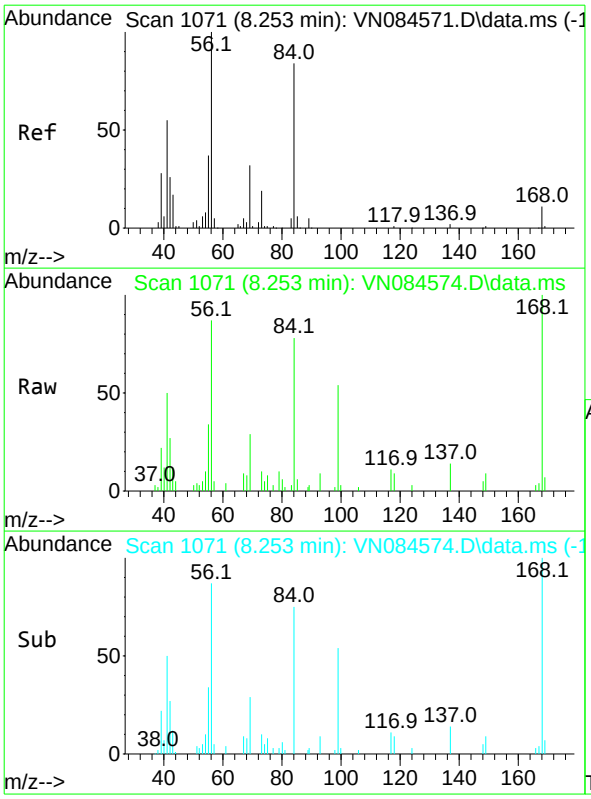


#30
Chloroform
Concen: 5.451 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 83 Resp: 20974

Ion	Ratio	Lower	Upper
83	100		
85	57.8	51.0	76.4

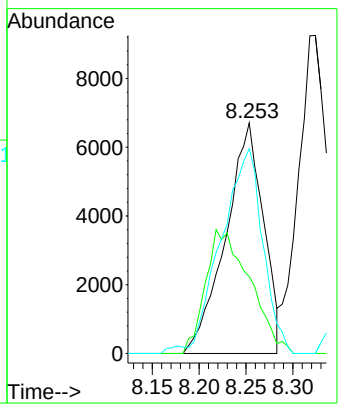




#31
Cyclohexane
Concen: 5.480 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 56 Resp: 18750

Ion	Ratio	Lower	Upper
56	100		
69	33.3	23.8	35.6
84	85.6	68.8	103.2



Instrument :
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ClientSampleId :
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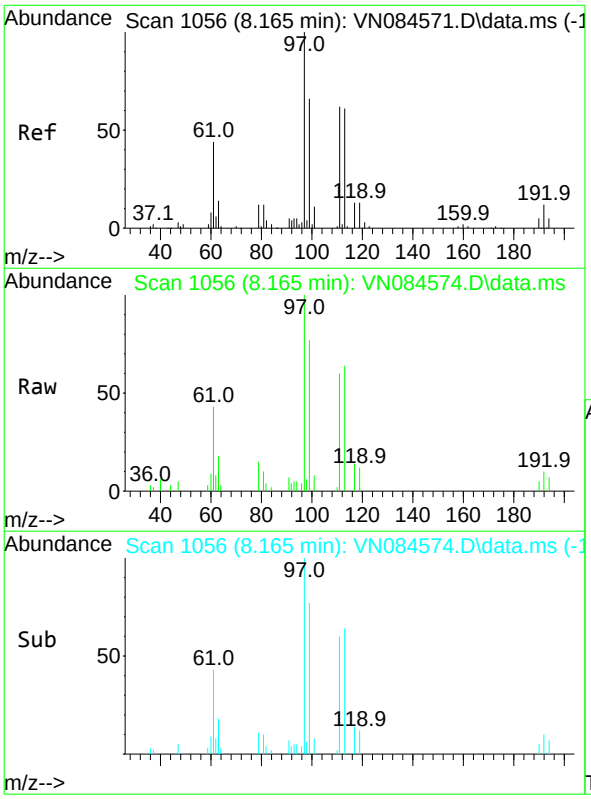
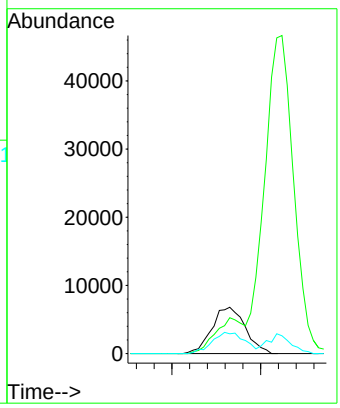
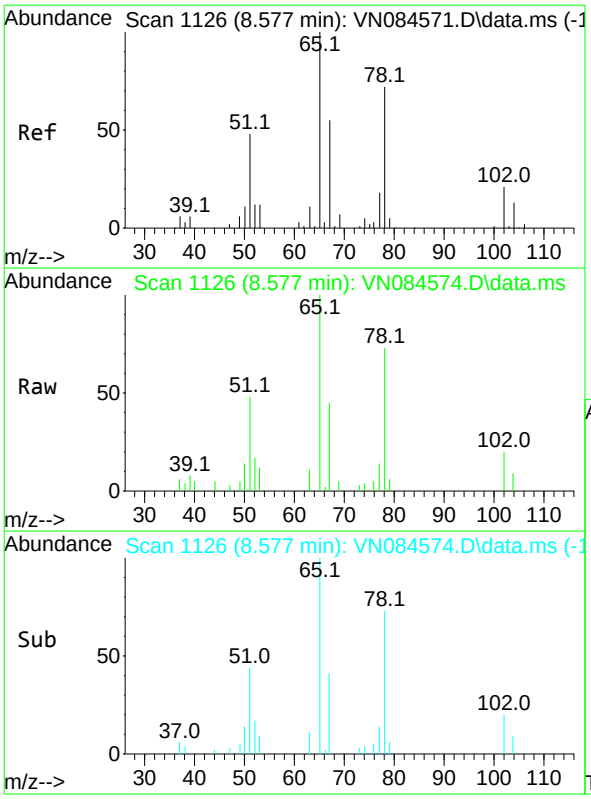


#32
1,1,1-Trichloroethane
Concen: 5.059 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 97 Resp: 17717

Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.2	76.8
61	44.8	37.5	56.3

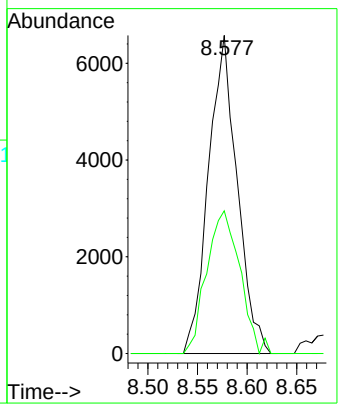




#33
1,2-Dichloroethane-d4
Concen: 5.337 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 65 Resp: 13227

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	102.0



Instrument :
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ClientSampleId :
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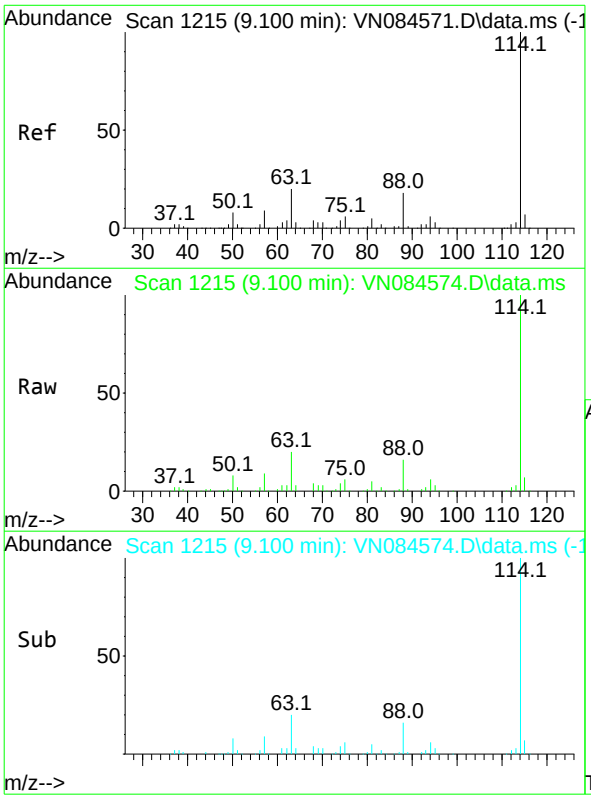
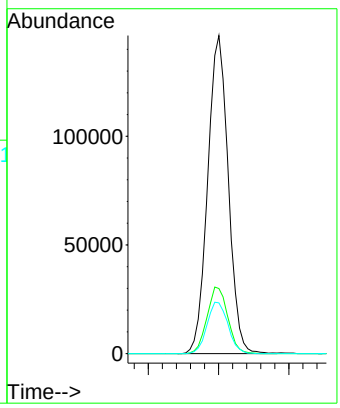
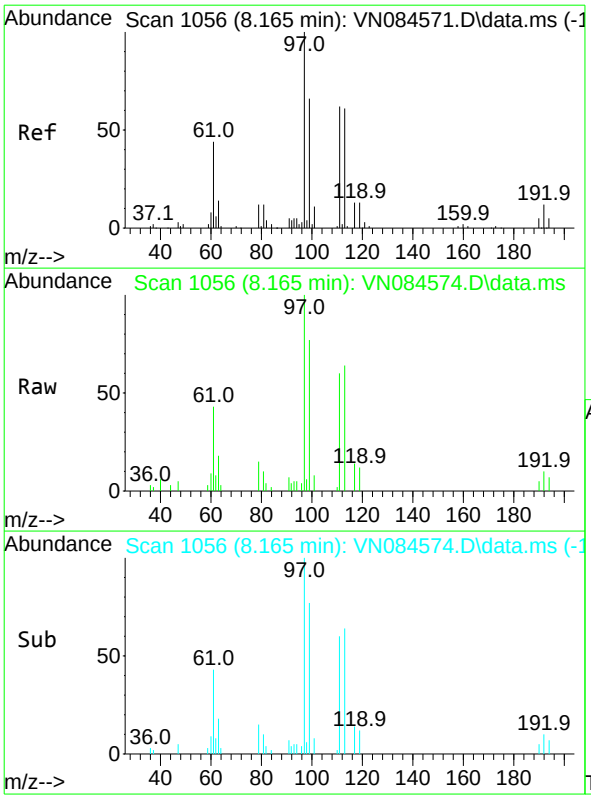


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:114 Resp: 297777

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	43.8
88	15.9	0.0	31.6

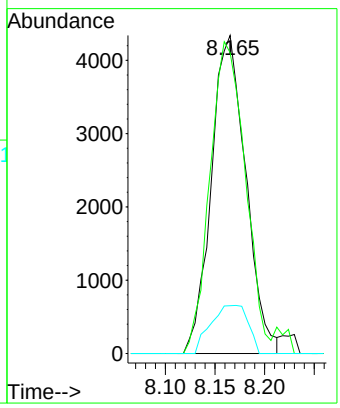




#35
Dibromofluoromethane
Concen: 5.215 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:113 Resp: 10512

Ion	Ratio	Lower	Upper
113	100		
111	100.0	83.3	124.9
192	16.2	13.5	20.3



Instrument :
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ClientSampleId :
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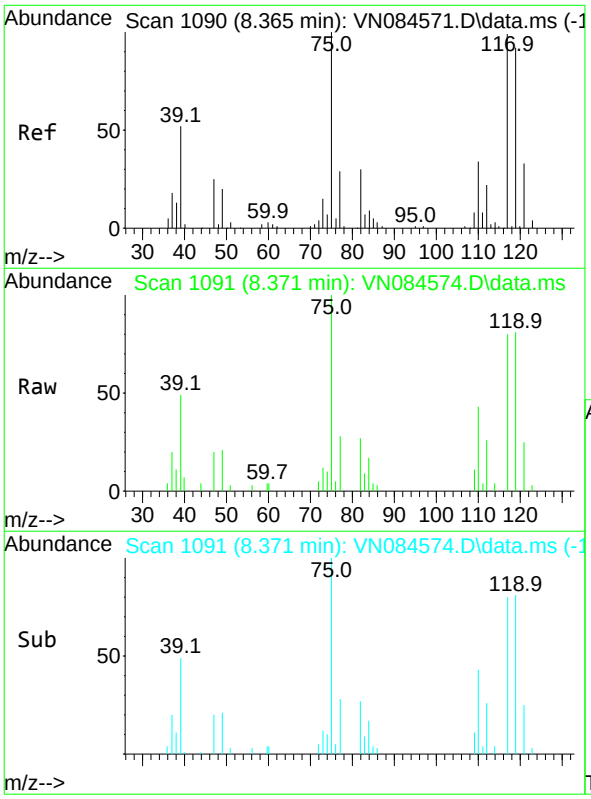
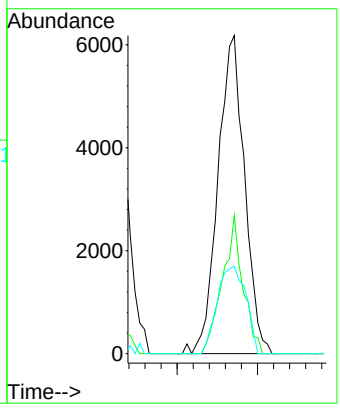
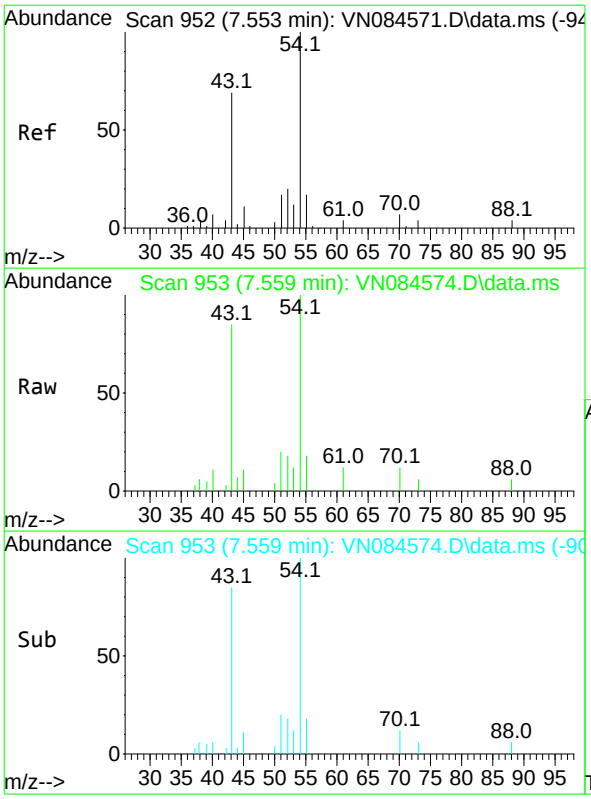


#36
1,1-Dichloropropene
Concen: 5.077 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 75 Resp: 14193

Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.9	50.7
77	29.6	24.7	37.1

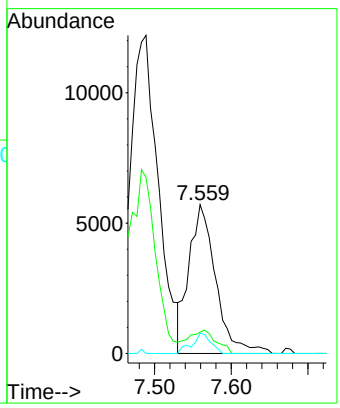




#37
Ethyl Acetate
Concen: 5.474 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 43 Resp: 13884

Ion	Ratio	Lower	Upper
43	100		
61	16.4	10.7	16.1#
70	9.5	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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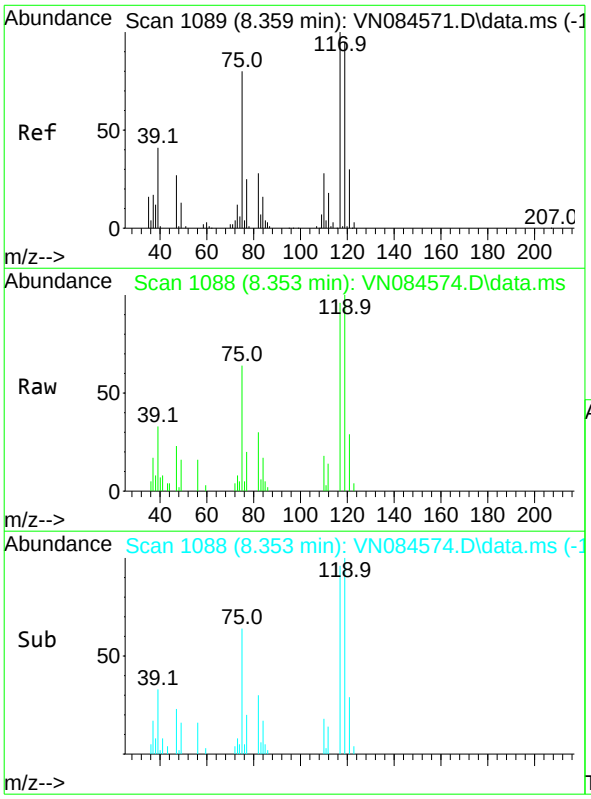
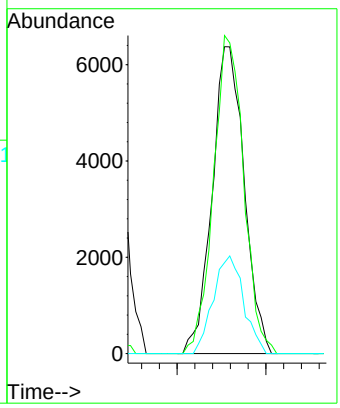
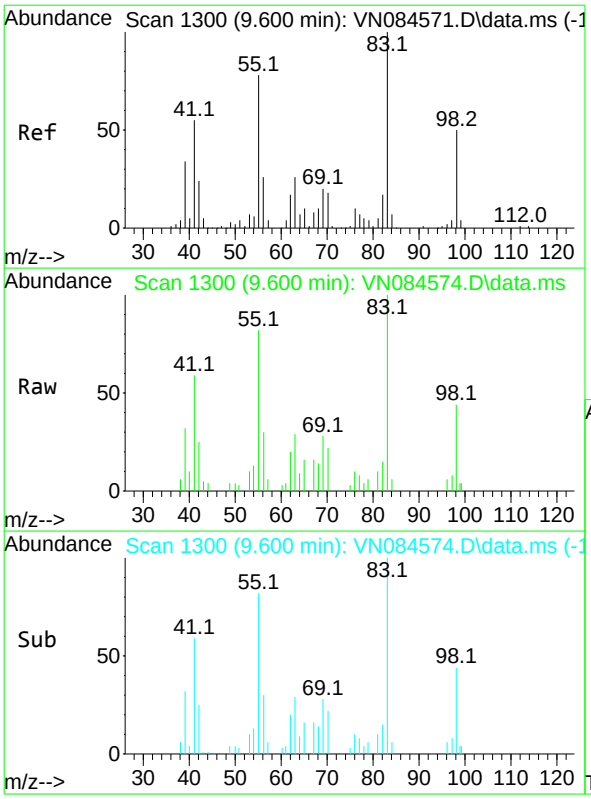


#38
Carbon Tetrachloride
Concen: 5.113 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:117 Resp: 15977

Ion	Ratio	Lower	Upper
117	100		
119	103.6	78.7	118.1
121	29.6	24.4	36.6

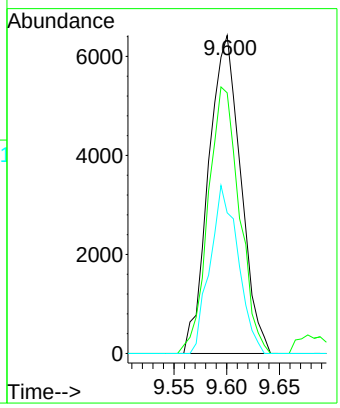




#39
Methylcyclohexane
Concen: 4.791 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 83 Resp: 13624

Ion	Ratio	Lower	Upper
83	100		
55	81.9	62.8	94.2
98	44.2	38.8	58.2



Instrument :
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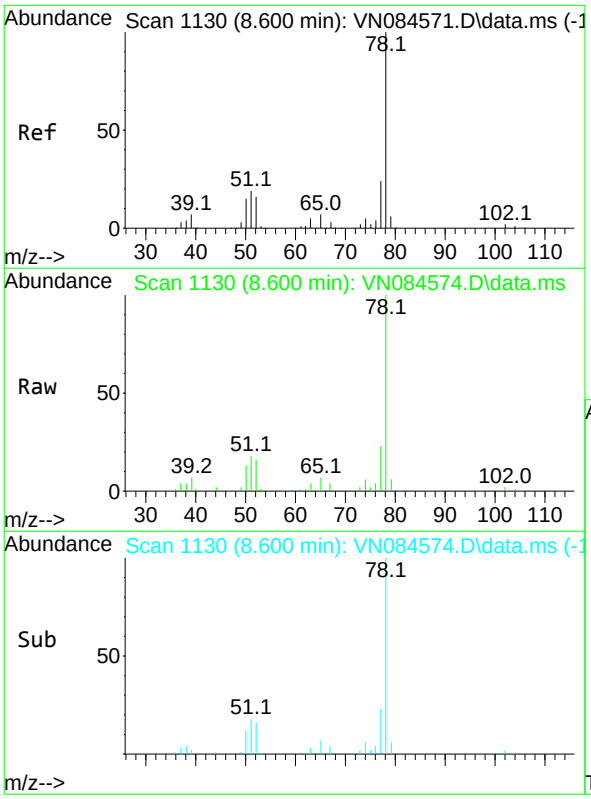
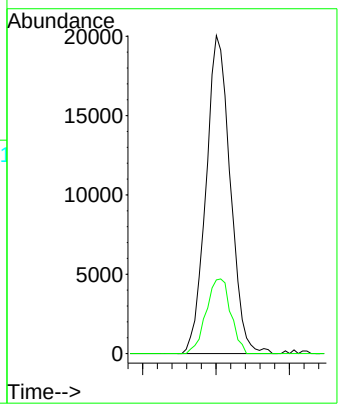
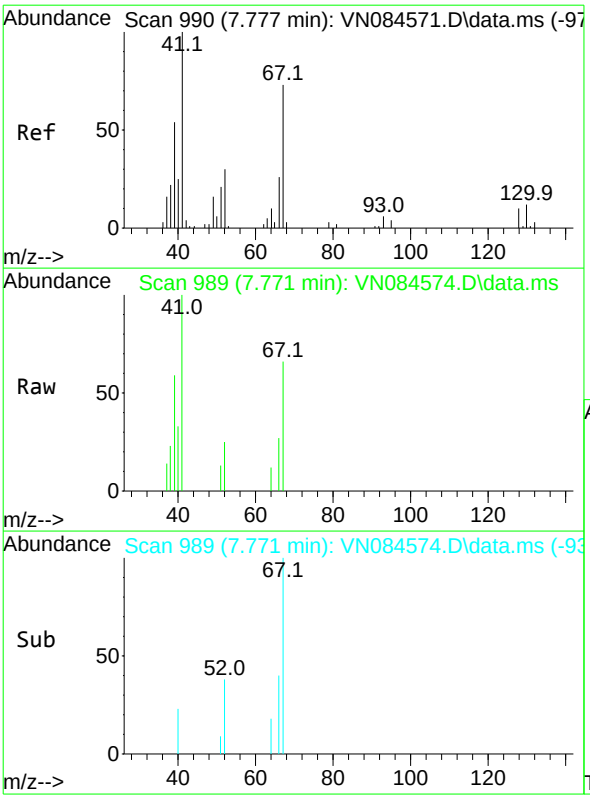


#40
Benzene
Concen: 5.129 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 78 Resp: 46044

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.1	28.7

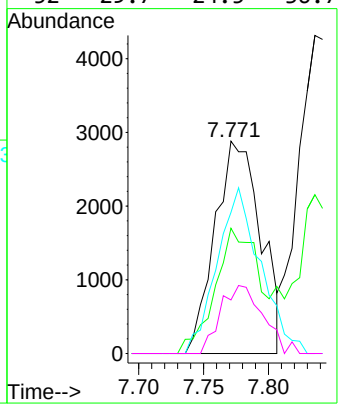




#41
Methacrylonitrile
Concen: 5.199 ug/l
RT: 7.771 min Scan# 98
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 41 Resp: 7091

Ion	Ratio	Lower	Upper
41	100		
39	55.8	43.3	64.9
67	73.5	56.1	84.1
52	29.7	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
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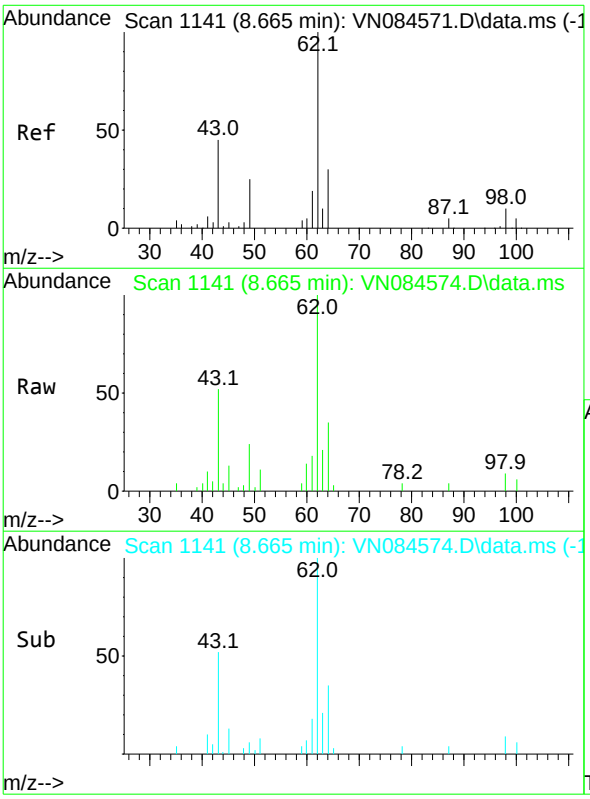
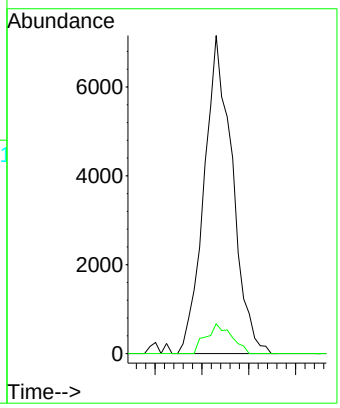
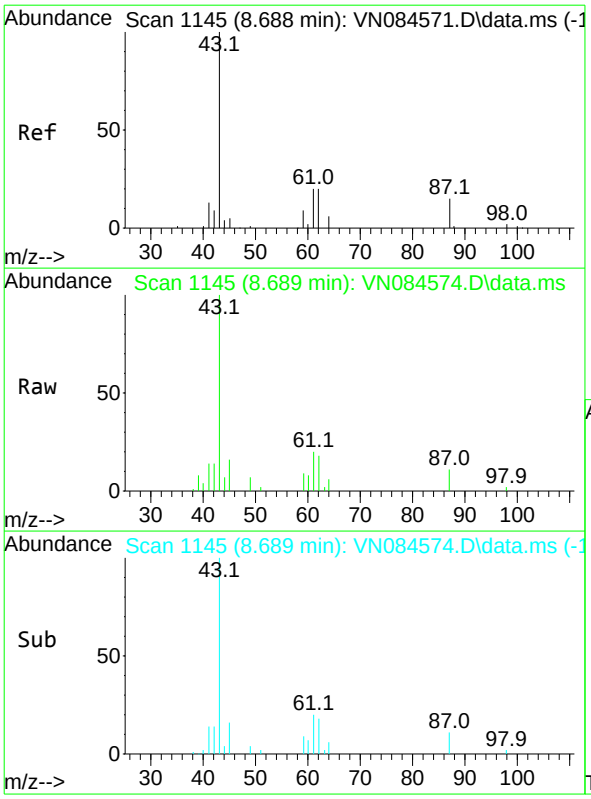


#42
1,2-Dichloroethane
Concen: 5.150 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 62 Resp: 14972

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2

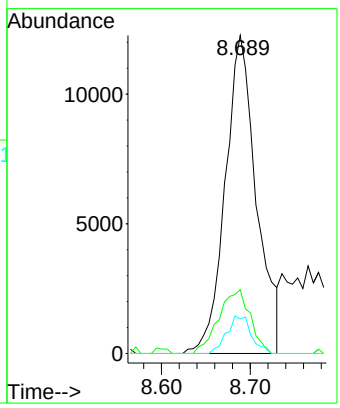




#43
Isopropyl Acetate
Concen: 5.554 ug/l
RT: 8.689 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 43 Resp: 30044

Ion	Ratio	Lower	Upper
43	100		
61	20.1	20.4	30.6#
87	9.3	10.3	15.5#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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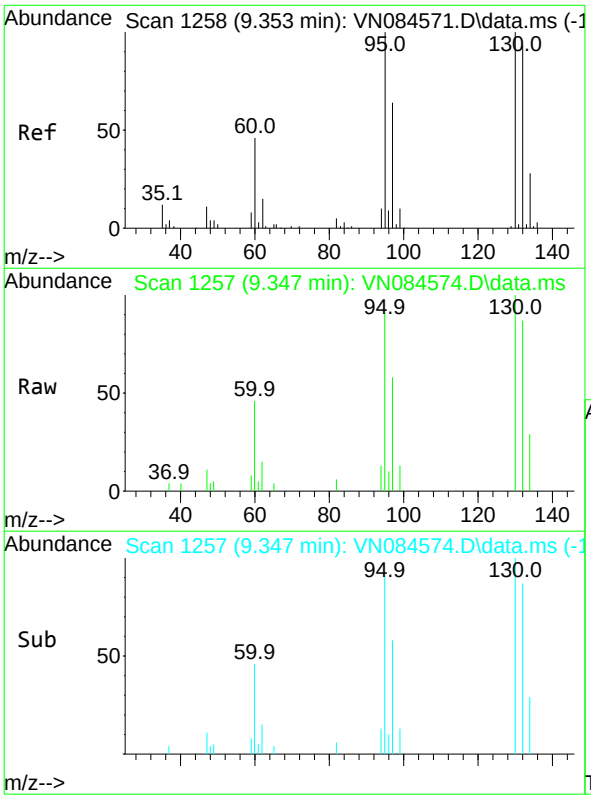
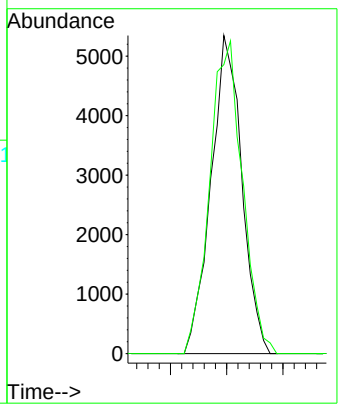
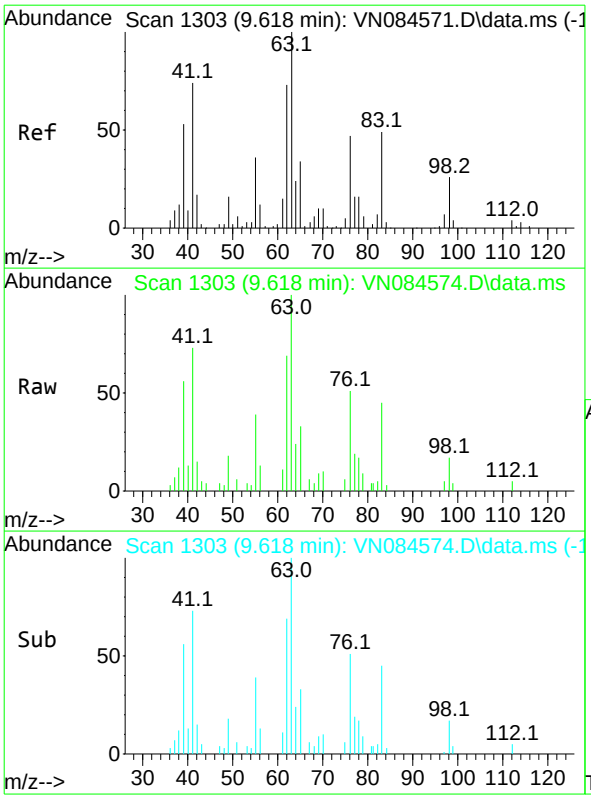


#44
Trichloroethene
Concen: 4.911 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:130 Resp: 10168

Ion	Ratio	Lower	Upper
130	100		
95	90.9	0.0	203.0

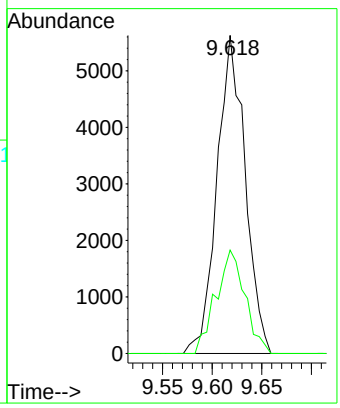




#45
1,2-Dichloropropane
Concen: 5.269 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 63 Resp: 11095

Ion	Ratio	Lower	Upper
63	100		
65	32.5	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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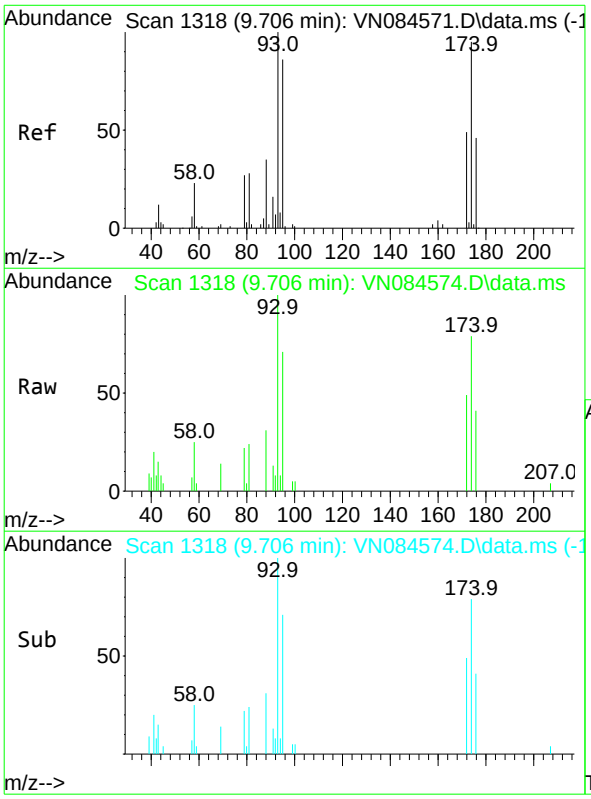
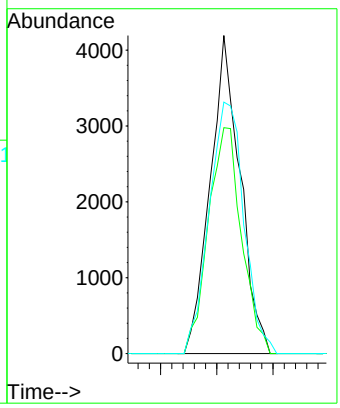
Supervised By :Mahesh Dadoda 11/04/2024

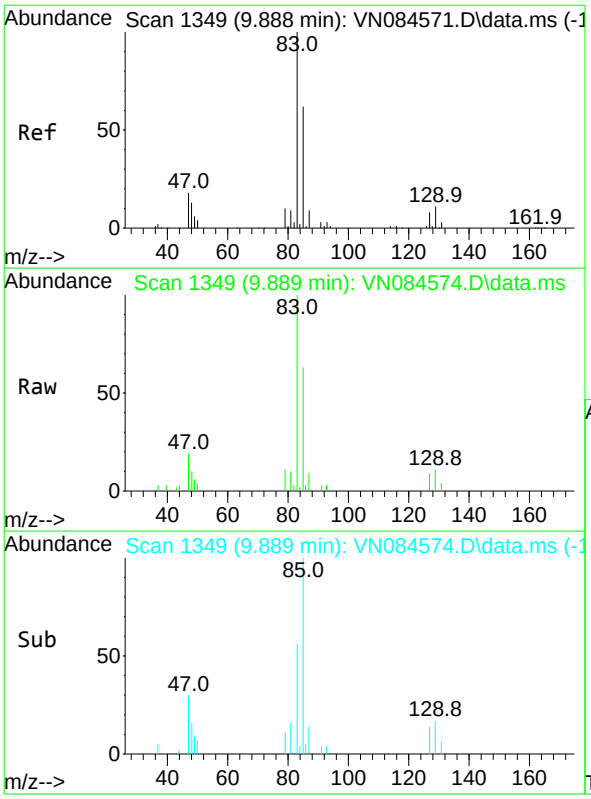


#46
Dibromomethane
Concen: 5.217 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 93 Resp: 7752

Ion	Ratio	Lower	Upper
93	100		
95	78.8	65.0	97.4
174	92.1	71.8	107.8

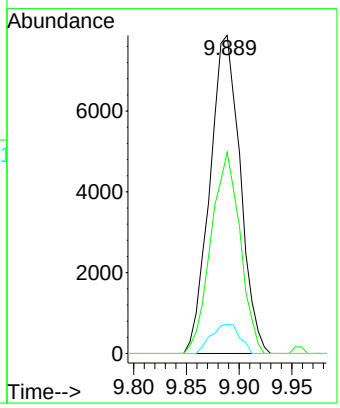




#47
Bromodichloromethane
Concen: 5.028 ug/l
RT: 9.889 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 83 Resp: 15749

Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.5	77.3
127	9.2	5.7	8.5#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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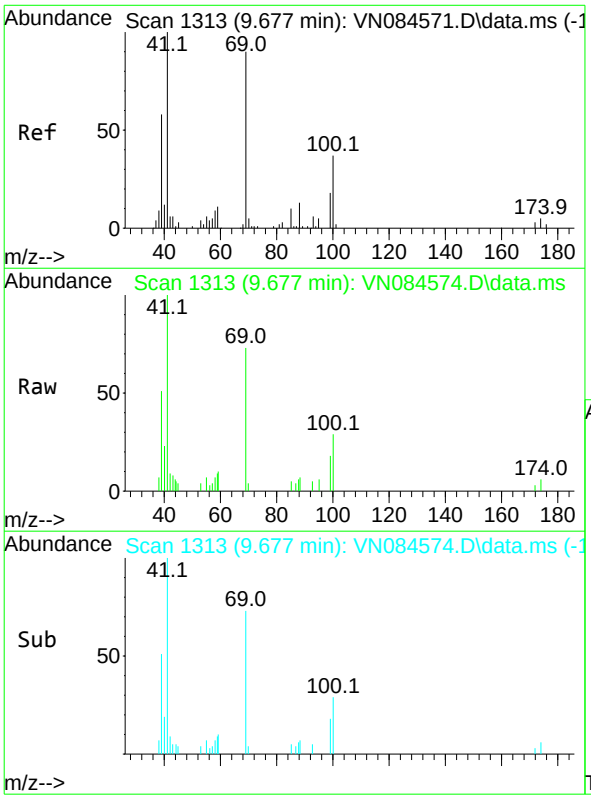
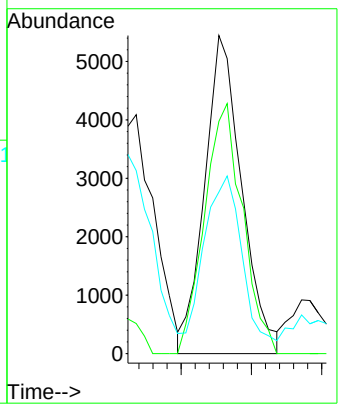
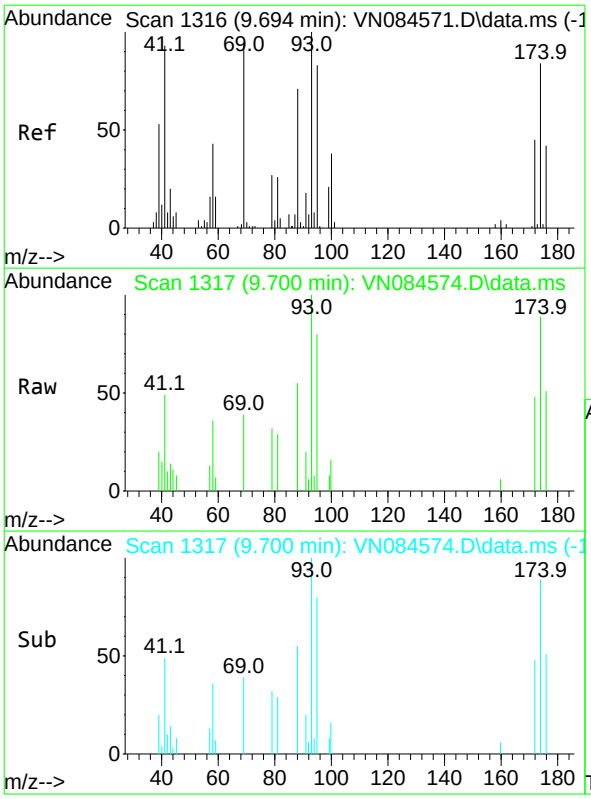


#48
Methyl methacrylate
Concen: 5.051 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 41 Resp: 9971

Ion	Ratio	Lower	Upper
41	100		
69	80.8	67.1	100.7
39	59.6	45.8	68.6

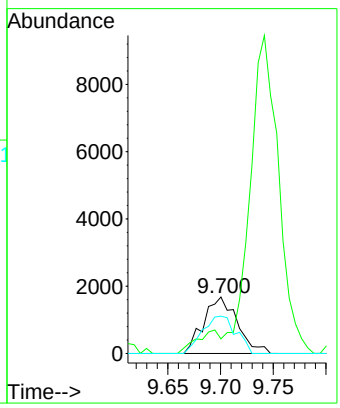




#49
1,4-Dioxane
Concen: 106.609 ug/l
RT: 9.700 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 88 Resp: 3729

Ion	Ratio	Lower	Upper
88	100		
43	29.3	25.3	37.9
58	65.6	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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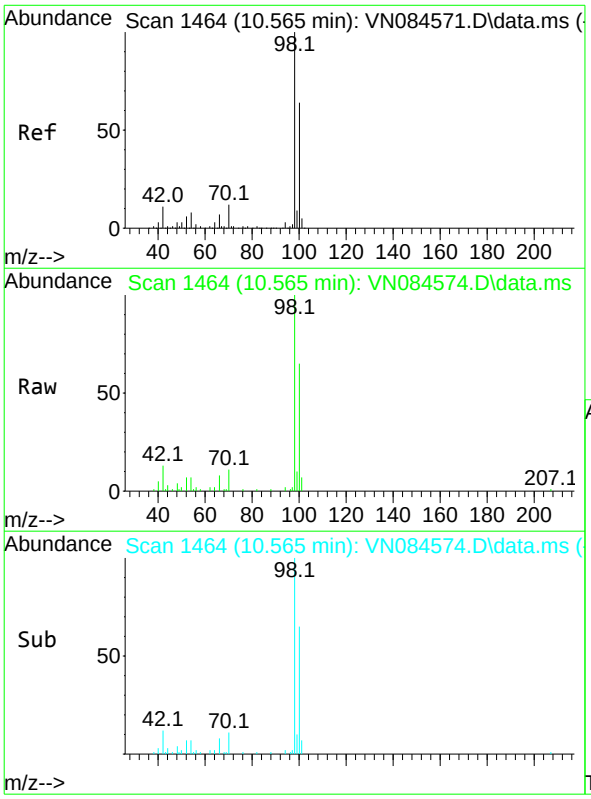
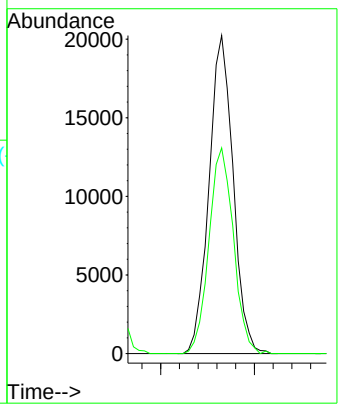
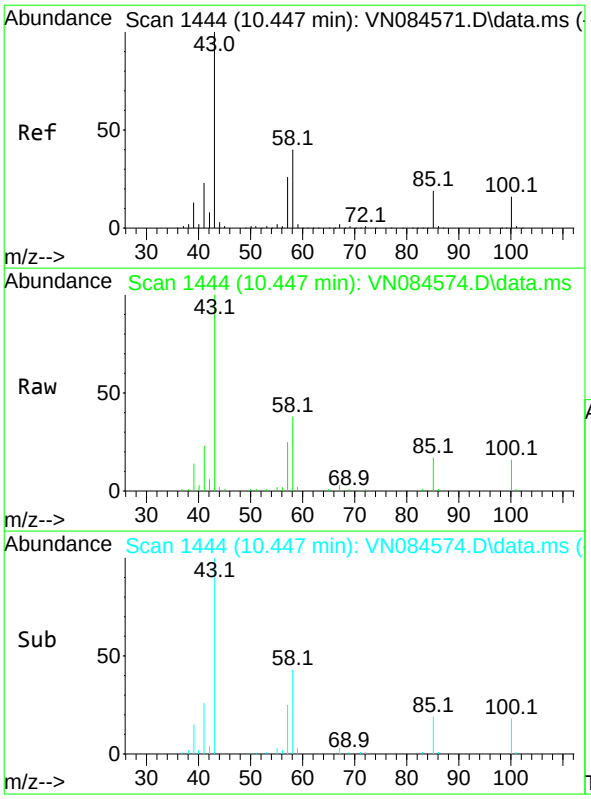


#50
Toluene-d8
Concen: 4.879 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 98 Resp: 36225

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1

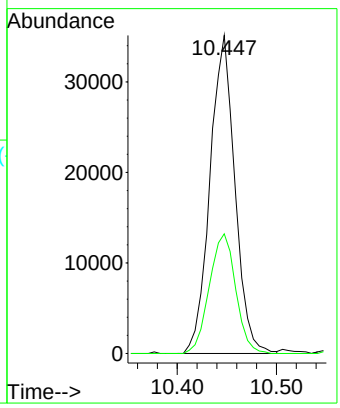




#51
4-Methyl-2-Pentanone
Concen: 25.367 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 43 Resp: 61332

Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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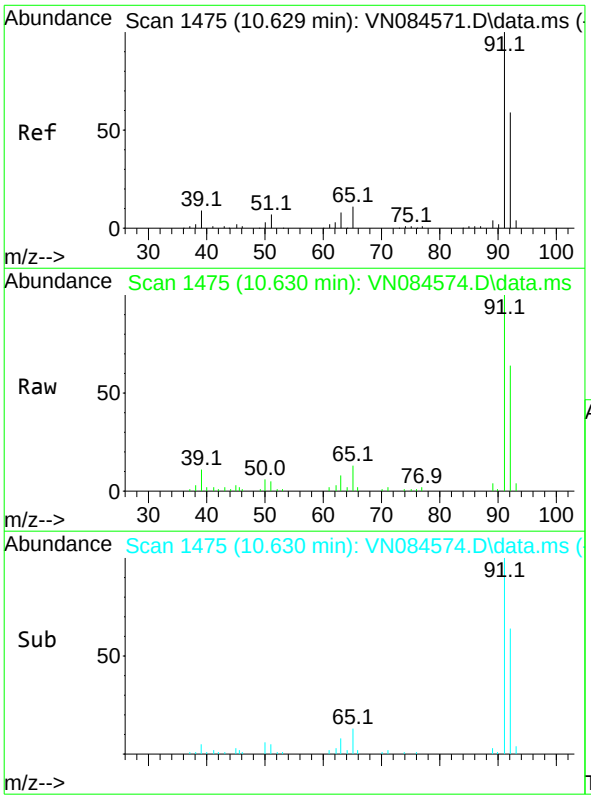
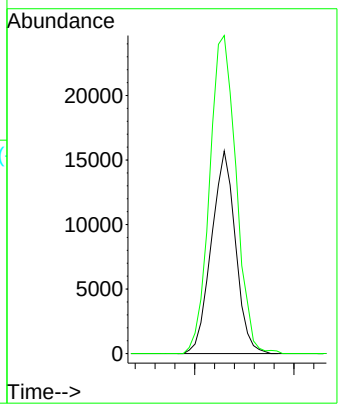
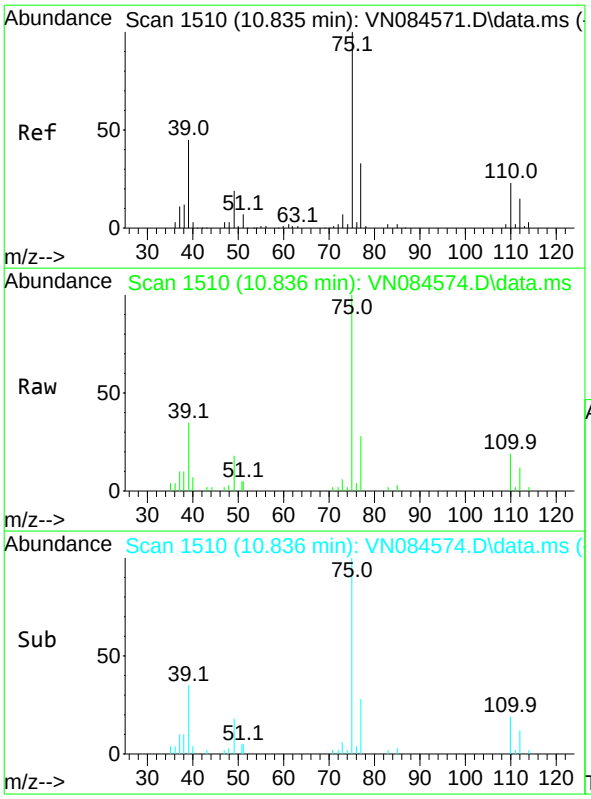


#52
Toluene
Concen: 5.051 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 92 Resp: 26518

Ion	Ratio	Lower	Upper
92	100		
91	172.5	137.3	205.9

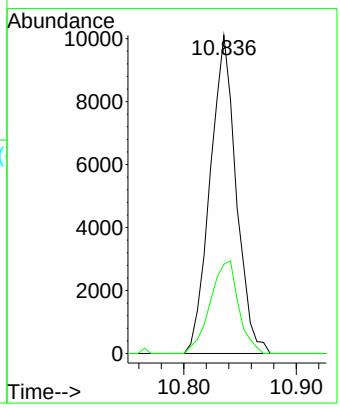




#53
t-1,3-Dichloropropene
Concen: 5.021 ug/l
RT: 10.836 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 75 Resp: 16279

Ion	Ratio	Lower	Upper
75	100		
77	28.0	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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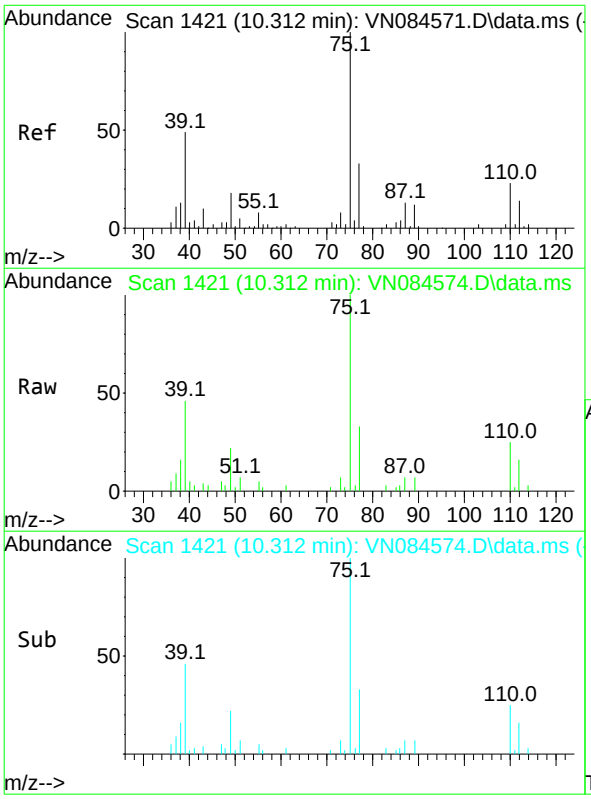
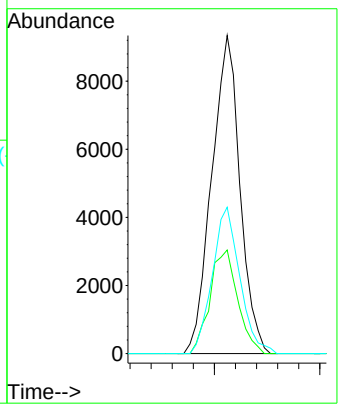
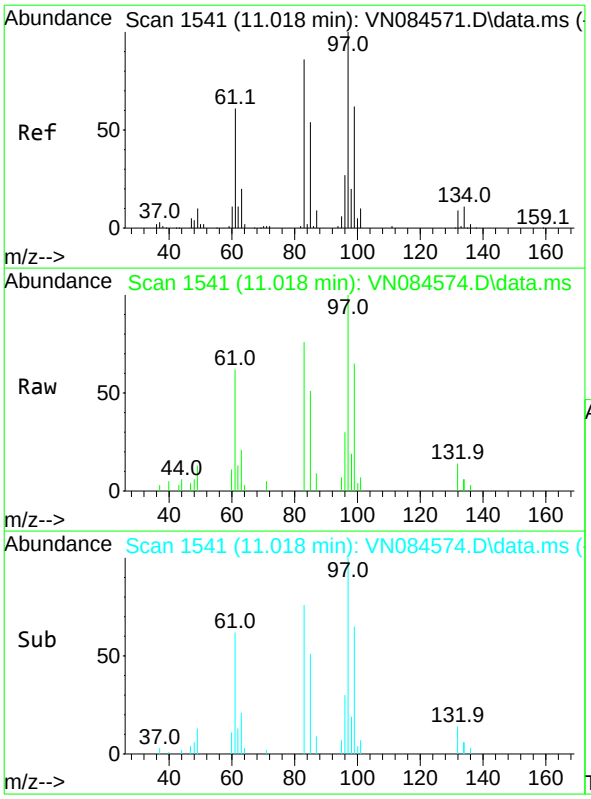


#54
cis-1,3-Dichloropropene
Concen: 5.069 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 75 Resp: 17395

Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.2	36.2
39	46.0	38.7	58.1

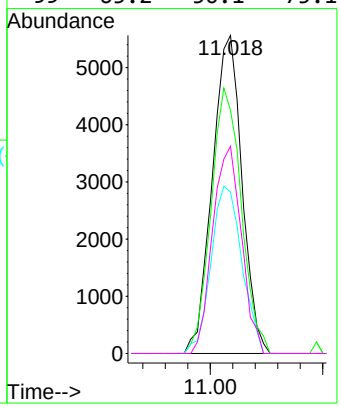




#55
1,1,2-Trichloroethane
Concen: 5.154 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 97 Resp: 10193

Ion	Ratio	Lower	Upper
97	100		
83	76.4	71.0	106.4
85	50.7	41.7	62.5
99	65.2	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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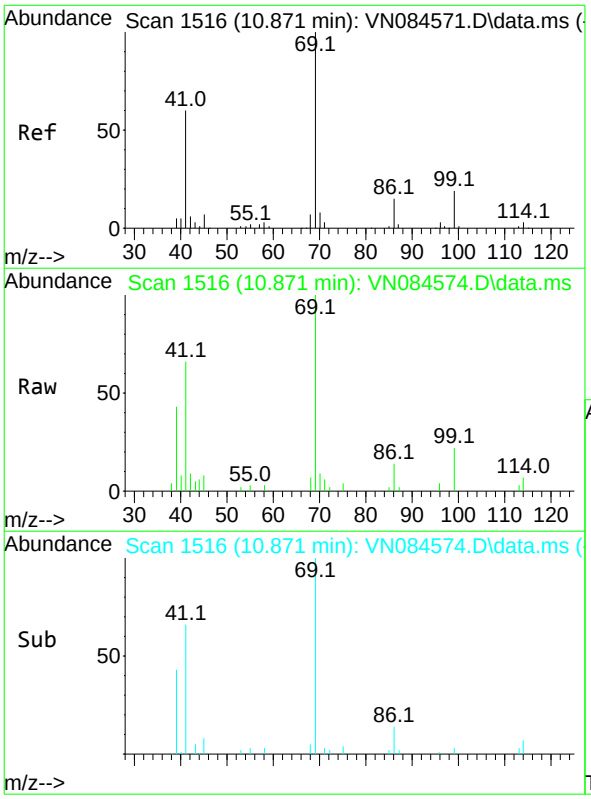
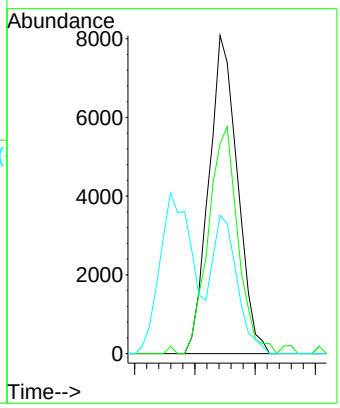
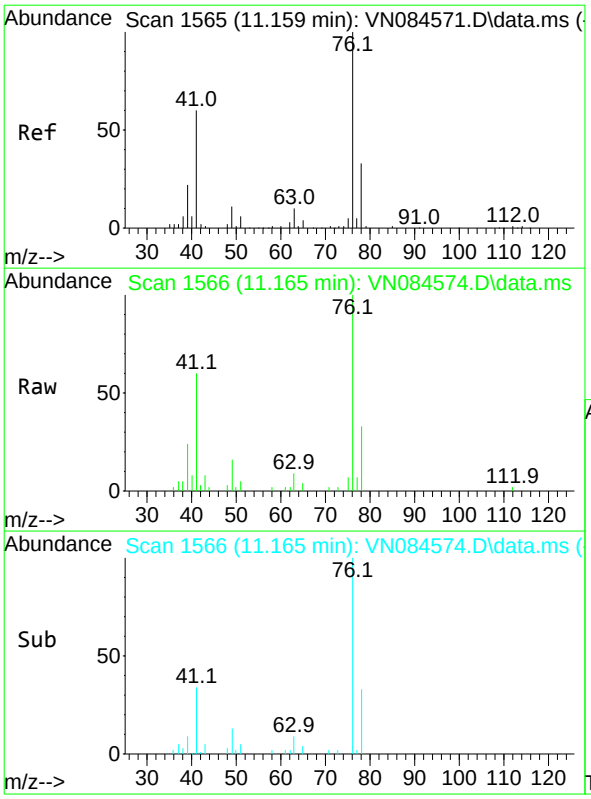


#56
Ethyl methacrylate
Concen: 4.671 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 69 Resp: 13362

Ion	Ratio	Lower	Upper
69	100		
41	73.3	53.3	79.9
39	36.7	28.8	43.2

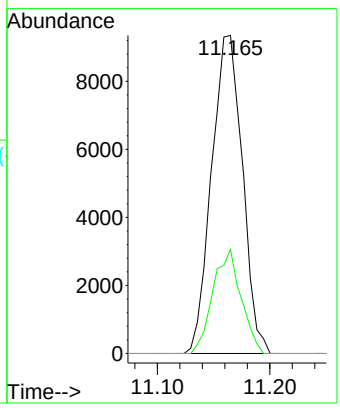




#57
1,3-Dichloropropane
Concen: 5.249 ug/l
RT: 11.165 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 76 Resp: 17816

Ion	Ratio	Lower	Upper
76	100		
78	29.8	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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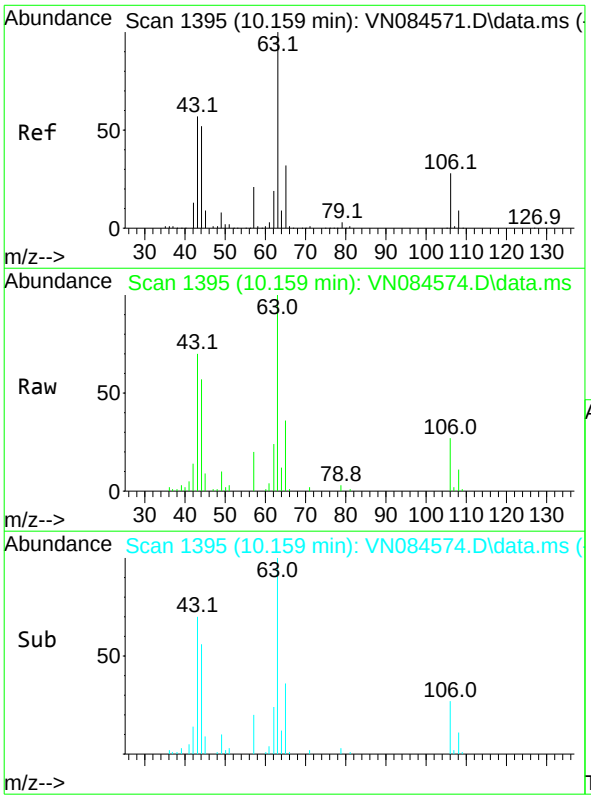
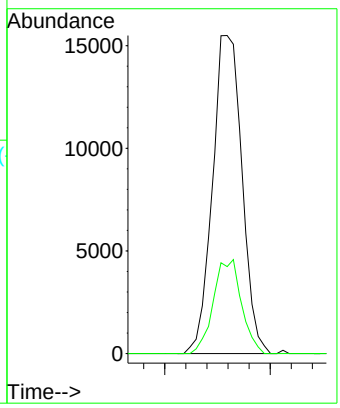
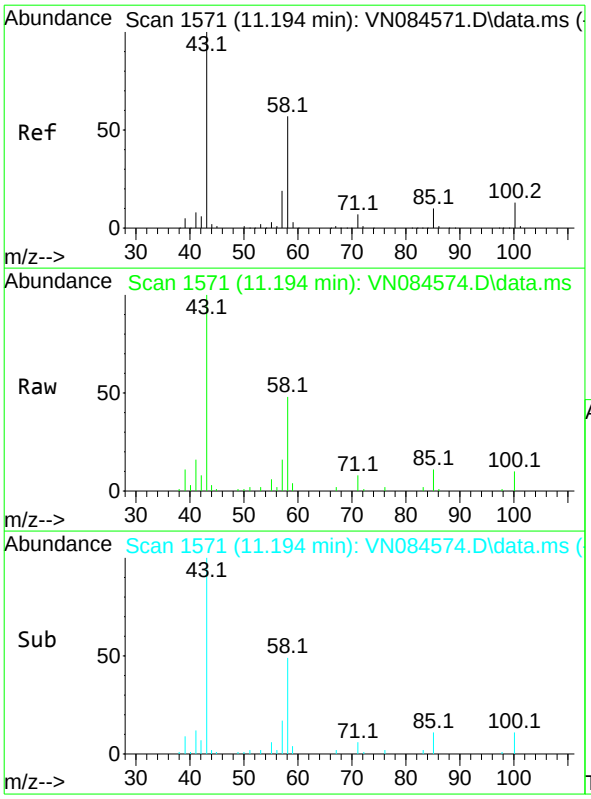


#58
2-Chloroethyl Vinyl ether
Concen: 22.477 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 63 Resp: 30088

Ion	Ratio	Lower	Upper
63	100		
106	28.1	21.8	32.6

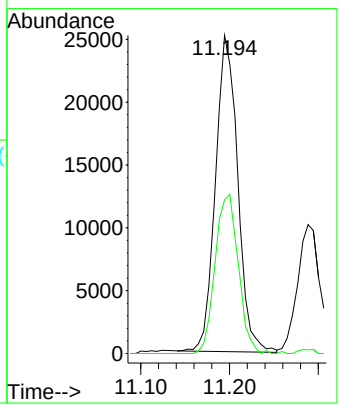




#59
2-Hexanone
Concen: 24.860 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 43 Resp: 43750

Ion	Ratio	Lower	Upper
43	100		
58	52.3	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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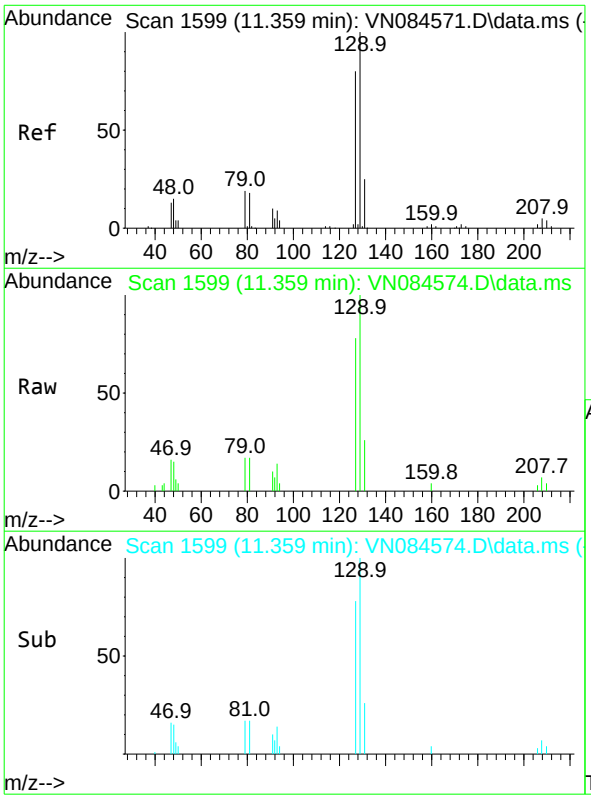
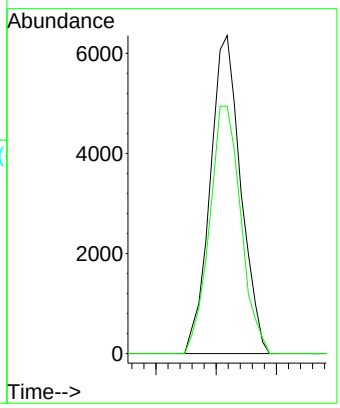
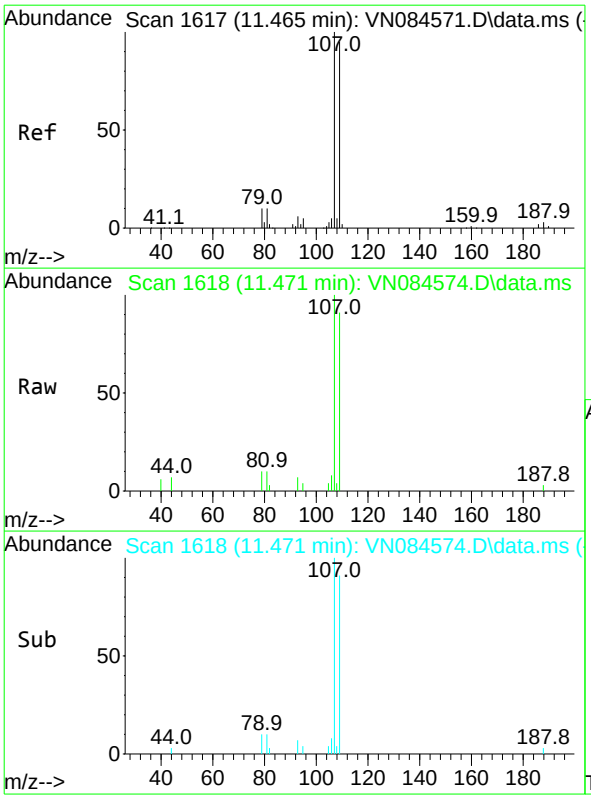


#60
Dibromochloromethane
Concen: 4.980 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:129 Resp: 11226

Ion	Ratio	Lower	Upper
129	100		
127	79.6	38.3	114.9

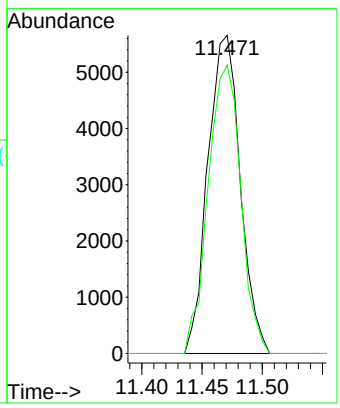




#61
1,2-Dibromoethane
Concen: 5.226 ug/l
RT: 11.471 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:107 Resp: 10584

Ion	Ratio	Lower	Upper
107	100		
109	91.2	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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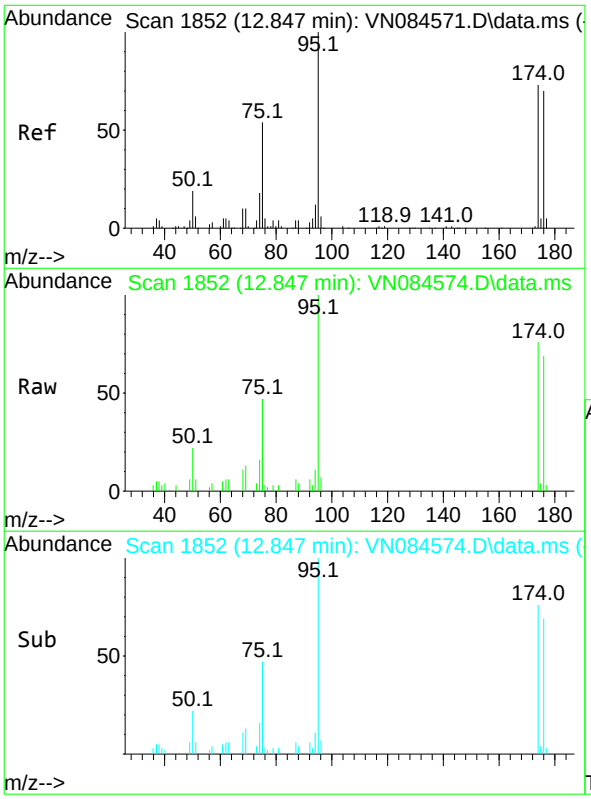
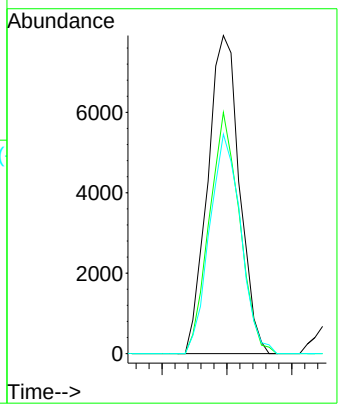
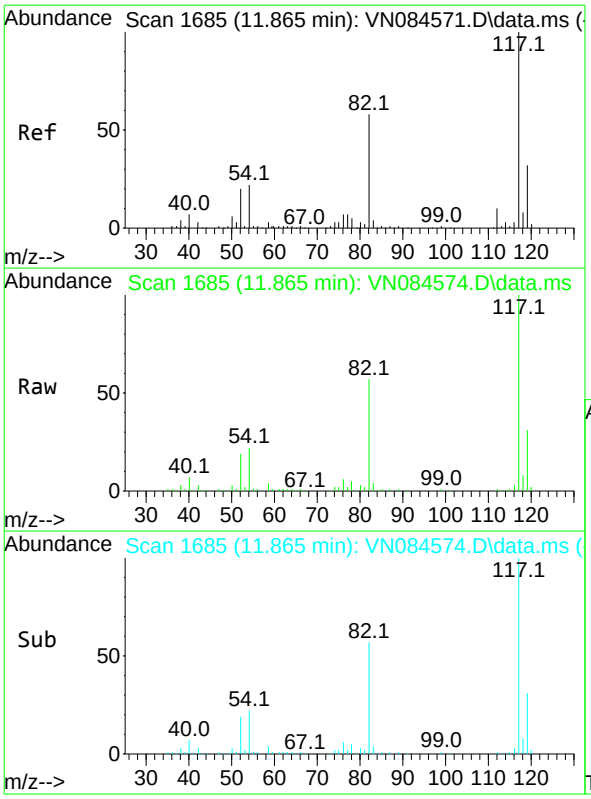


#62
4-Bromofluorobenzene
Concen: 4.867 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 95 Resp: 13506

Ion	Ratio	Lower	Upper
95	100		
174	71.6	0.0	145.2
176	67.5	0.0	140.0

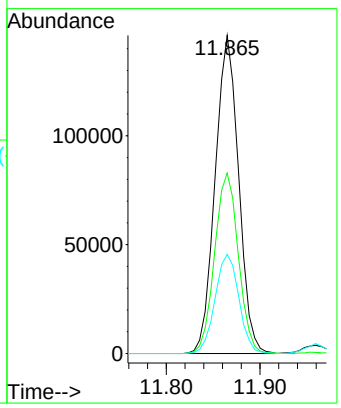




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:117 Resp: 254342

Ion	Ratio	Lower	Upper
117	100		
82	56.8	47.2	70.8
119	31.2	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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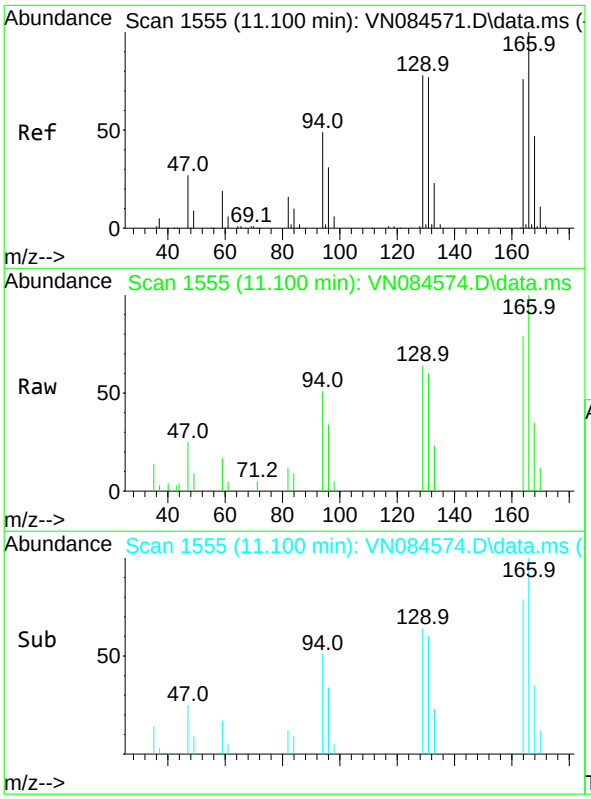
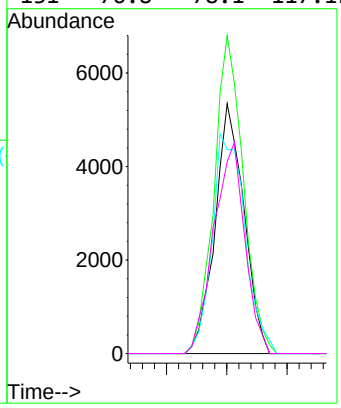
Supervised By :Mahesh Dadoda 11/04/2024

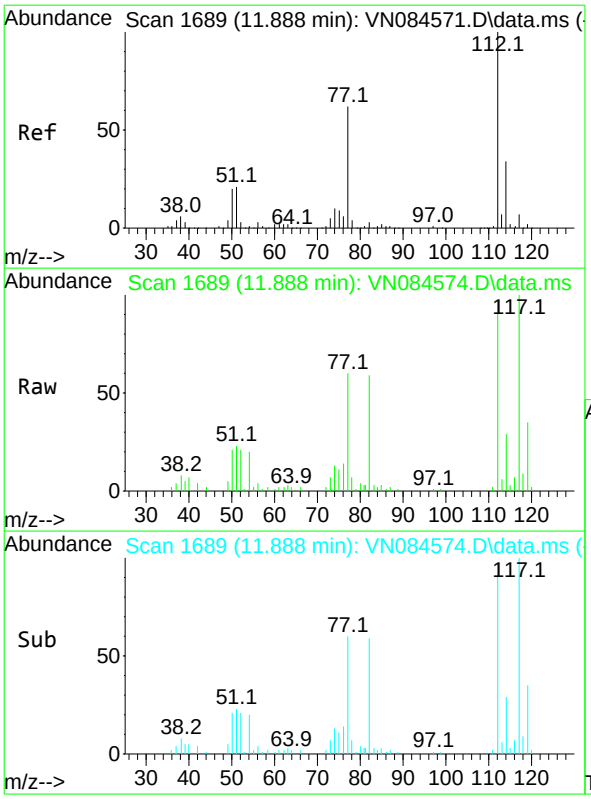


#64
Tetrachloroethene
Concen: 5.271 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:164 Resp: 8917

Ion	Ratio	Lower	Upper
164	100		
166	127.3	101.0	151.4
129	81.6	80.8	121.2
131	76.8	78.1	117.1#

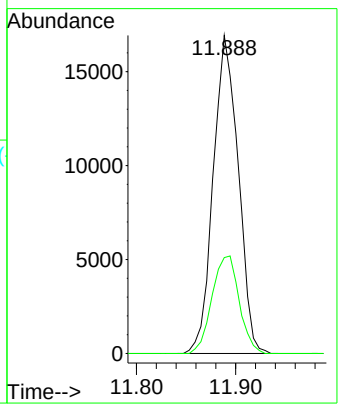




#65
Chlorobenzene
Concen: 5.205 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:112 Resp: 29618

Ion	Ratio	Lower	Upper
112	100		
114	30.1	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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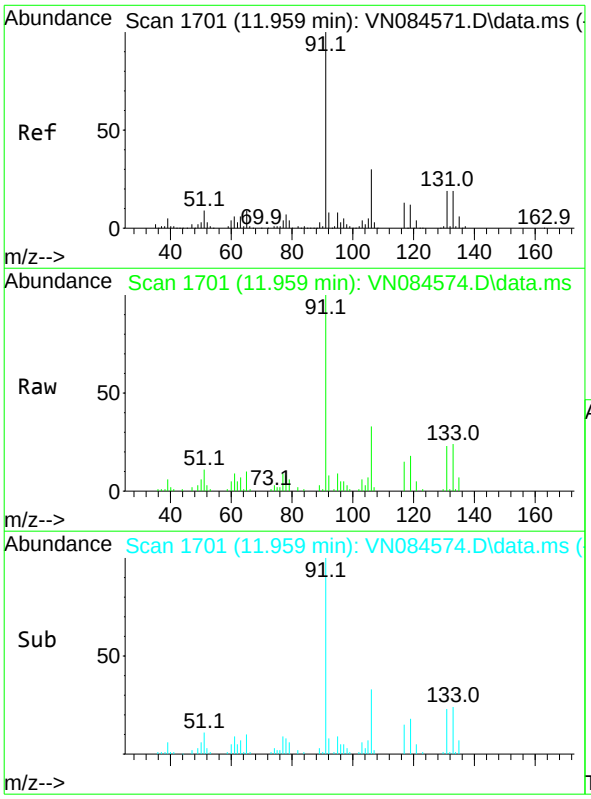
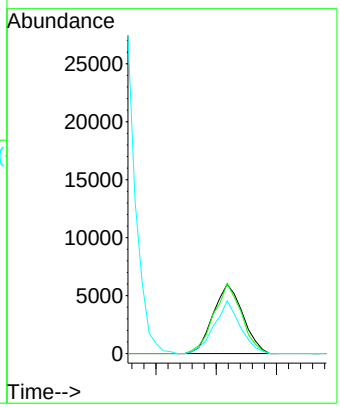
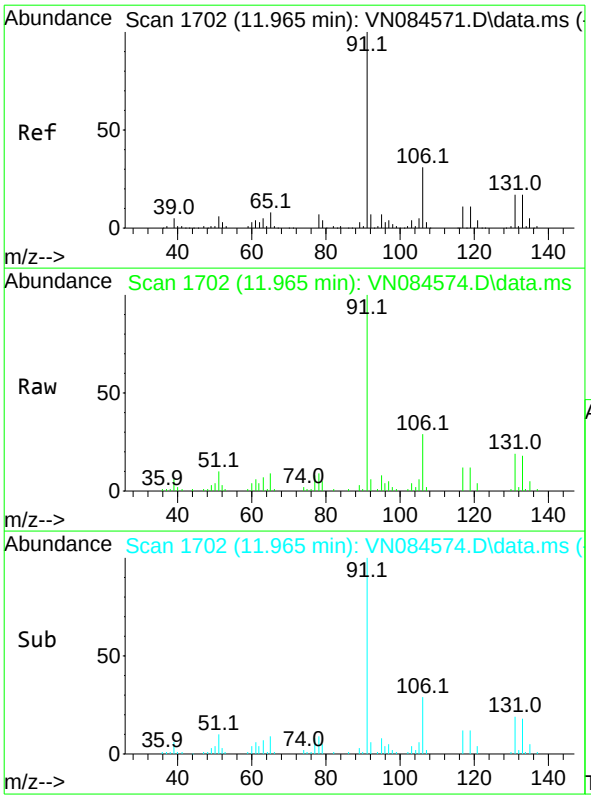


#66
1,1,1,2-Tetrachloroethane
Concen: 5.186 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:131 Resp: 10265

Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.9	143.7
119	66.8	32.8	98.3

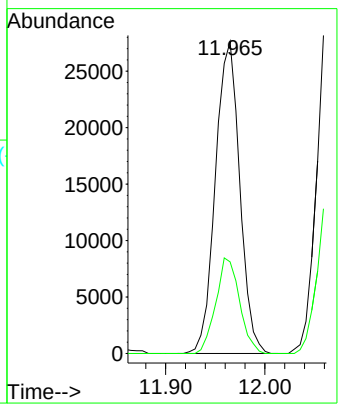




#67
Ethyl Benzene
Concen: 4.952 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 91 Resp: 47037

Ion	Ratio	Lower	Upper
91	100		
106	29.4	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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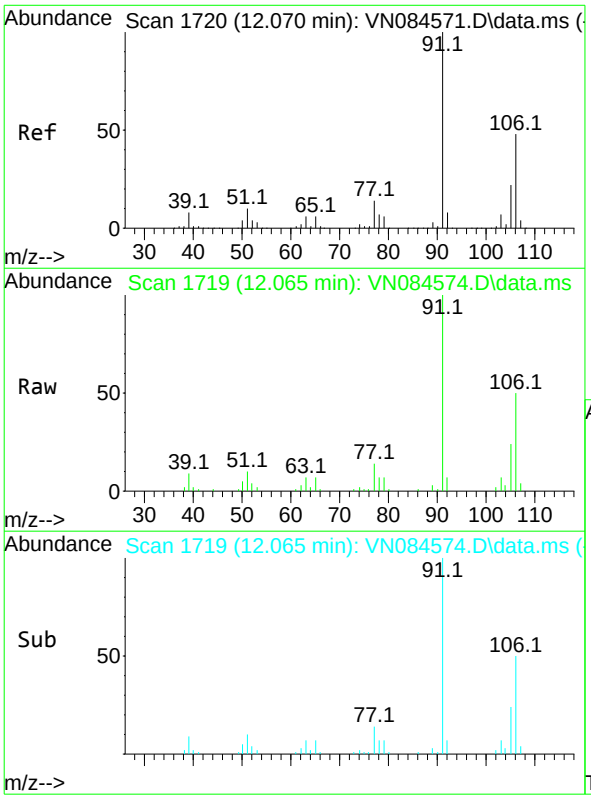
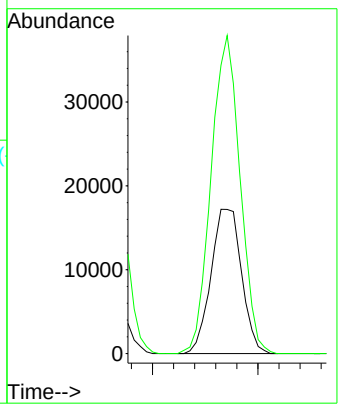
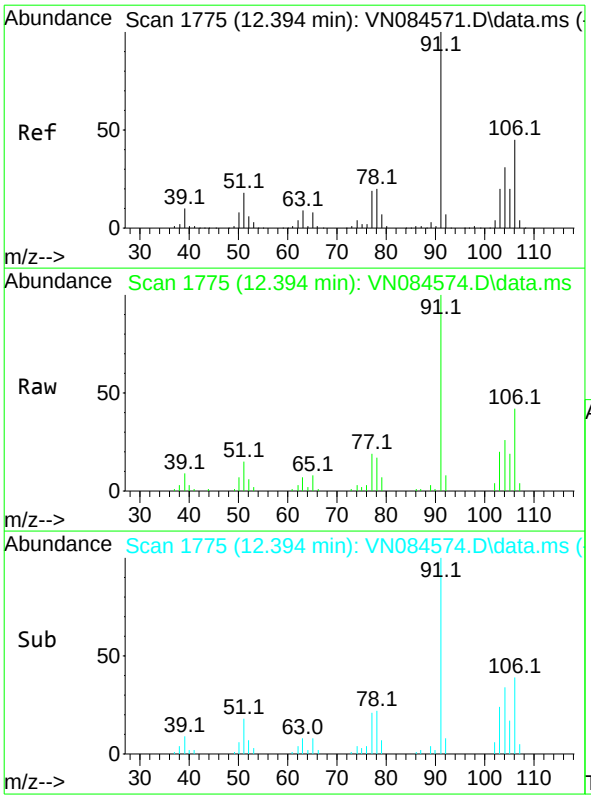


#68
m/p-Xylenes
Concen: 9.665 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:106 Resp: 34753

Ion	Ratio	Lower	Upper
106	100		
91	208.3	167.1	250.7

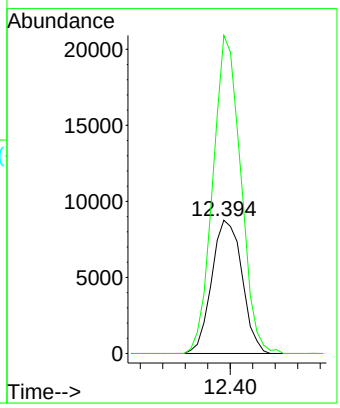




#69
o-Xylene
Concen: 4.873 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:106 Resp: 16393

Ion	Ratio	Lower	Upper
106	100		
91	219.5	110.2	330.6



Instrument :
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ClientSampleId :
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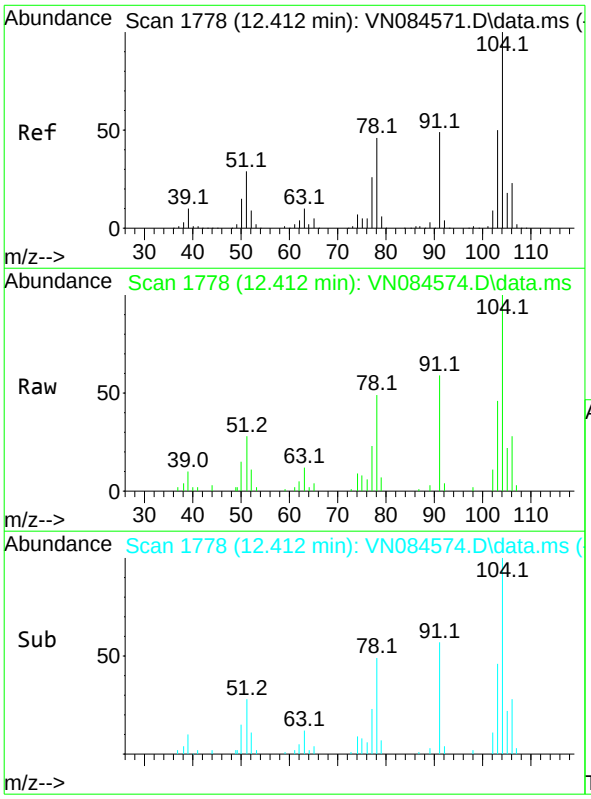
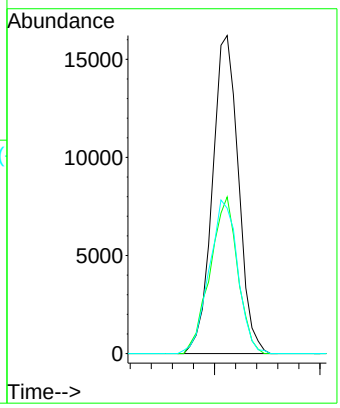
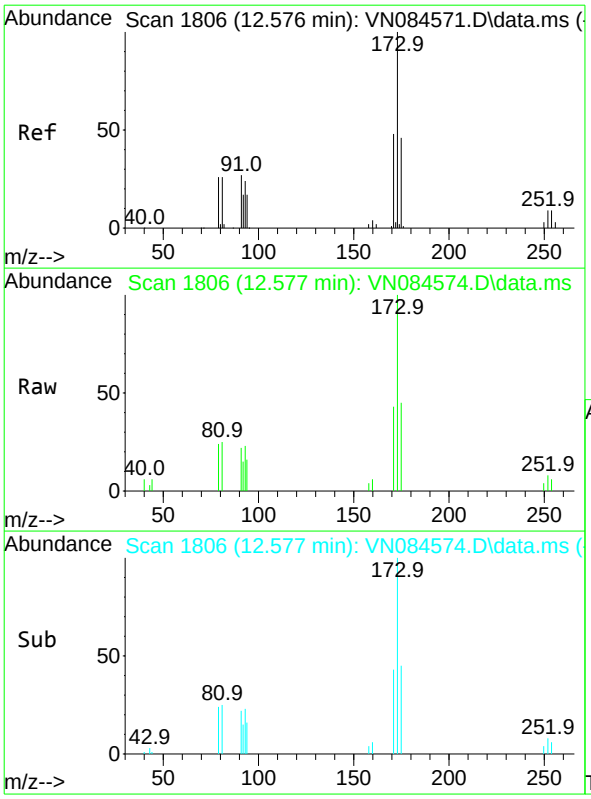


#70
Styrene
Concen: 4.739 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:104 Resp: 27807

Ion	Ratio	Lower	Upper
104	100		
78	52.0	42.7	64.1
103	53.0	43.6	65.4

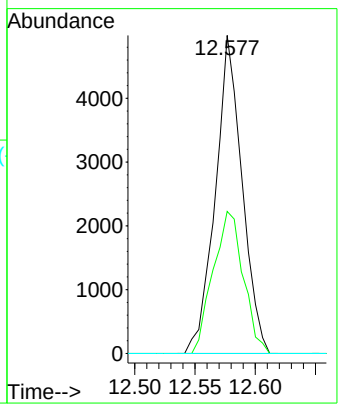




#71
Bromoform
Concen: 5.161 ug/l
RT: 12.577 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:173 Resp: 7686

Ion	Ratio	Lower	Upper
173	100		
175	50.5	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
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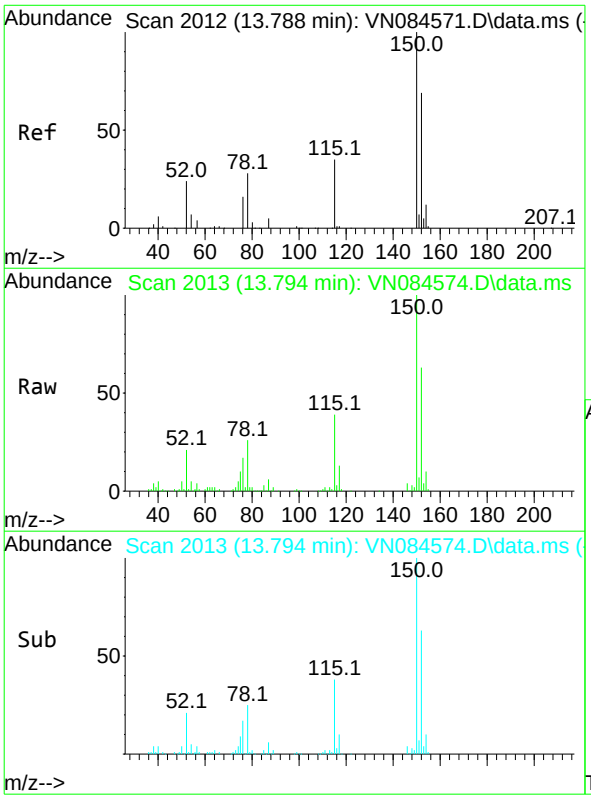
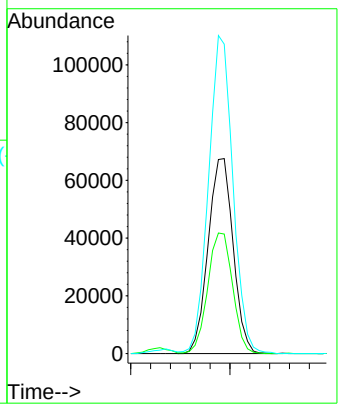
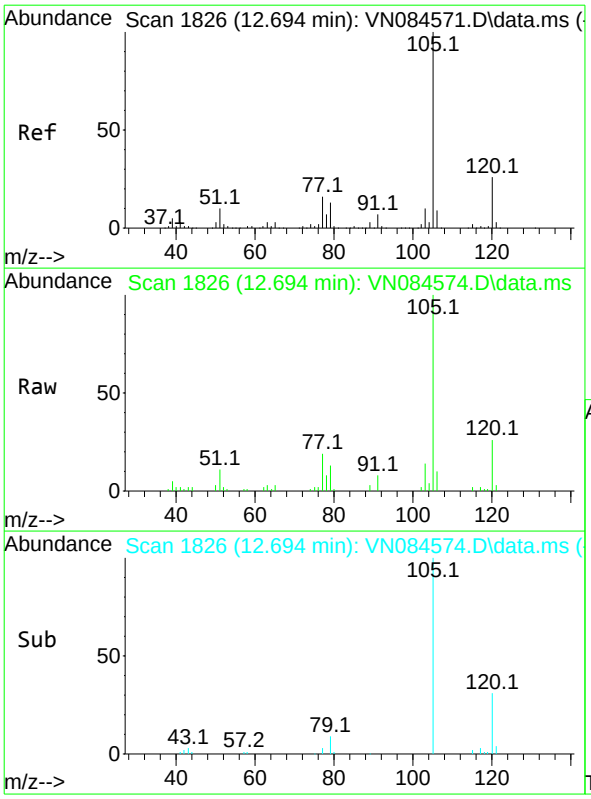


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:152 Resp: 118229

Ion	Ratio	Lower	Upper
152	100		
115	61.4	31.3	93.9
150	159.1	0.0	349.8

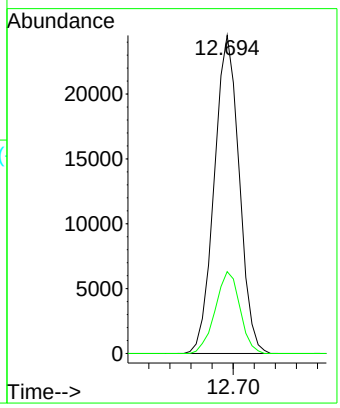




#73
Isopropylbenzene
Concen: 4.855 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:105 Resp: 40223

Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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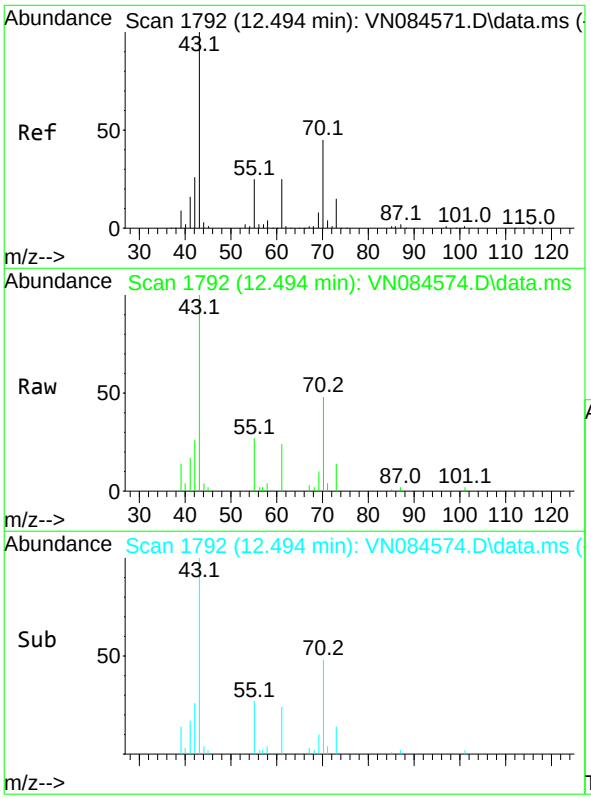
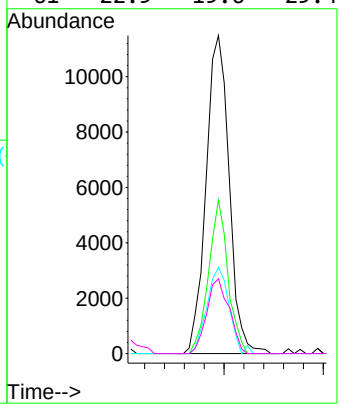
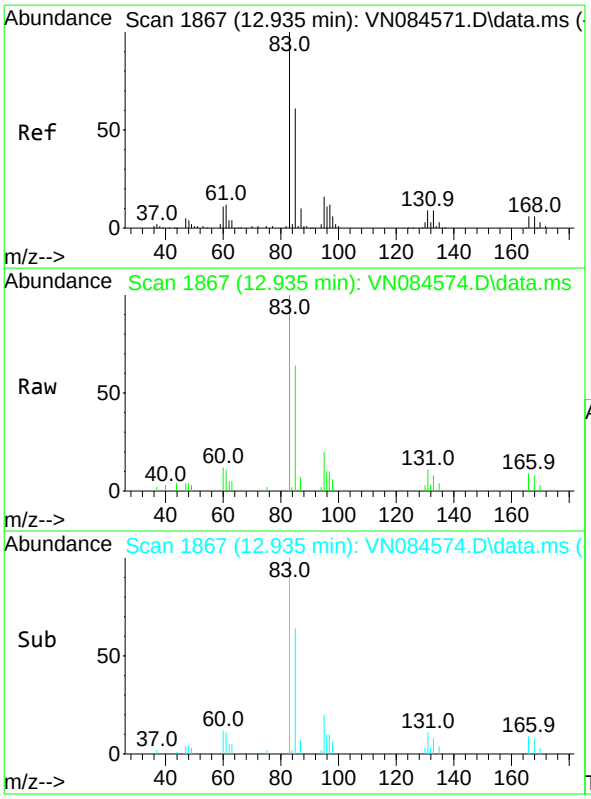


#74
N-amyl acetate
Concen: 5.270 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 43 Resp: 18583

Ion	Ratio	Lower	Upper
43	100		
70	40.5	34.4	51.6
55	25.9	19.6	29.4
61	22.9	19.6	29.4

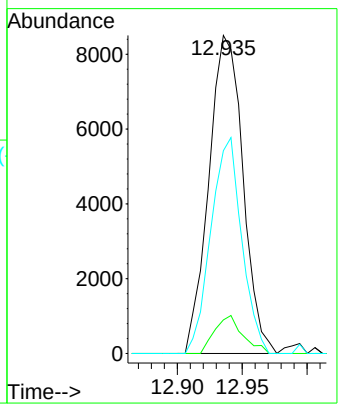




#75
1,1,2,2-Tetrachloroethane
Concen: 5.631 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 83 Resp: 15573

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	61.3	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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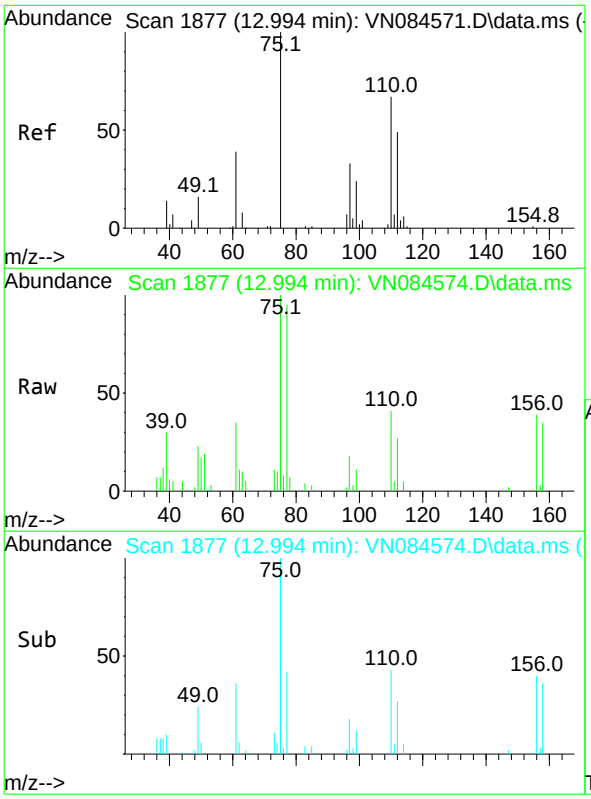
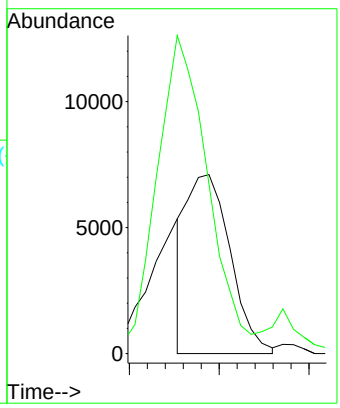
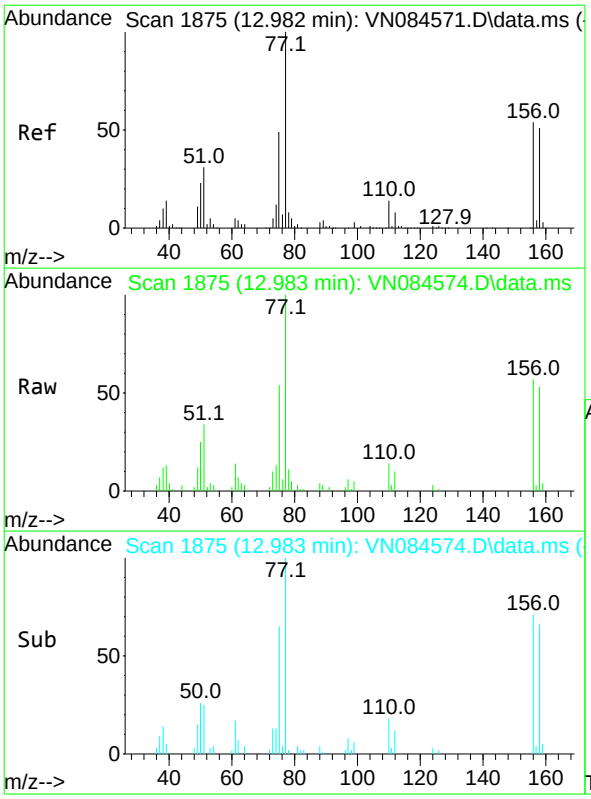


#76
1,2,3-Trichloropropane
Concen: 5.136 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 75 Resp: 11982

Ion	Ratio	Lower	Upper
75	100		
77	208.5	96.9	290.7

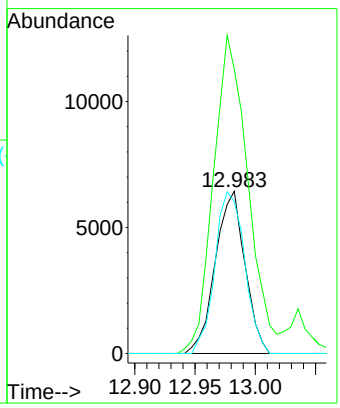




#77
Bromobenzene
Concen: 4.944 ug/l
RT: 12.983 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:156 Resp: 11012

Ion	Ratio	Lower	Upper
156	100		
77	226.9	115.1	345.3
158	100.2	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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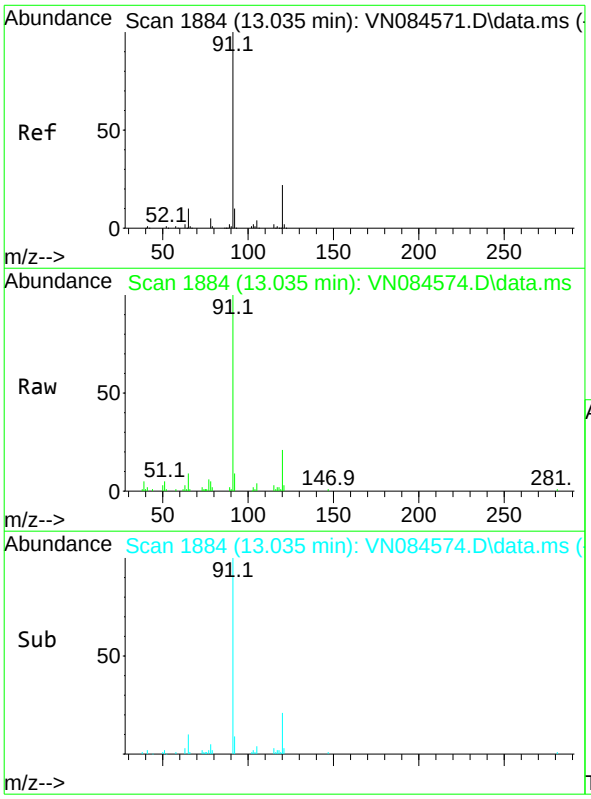
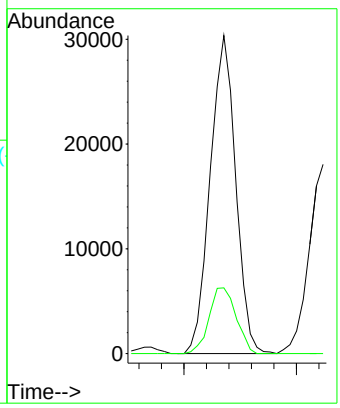
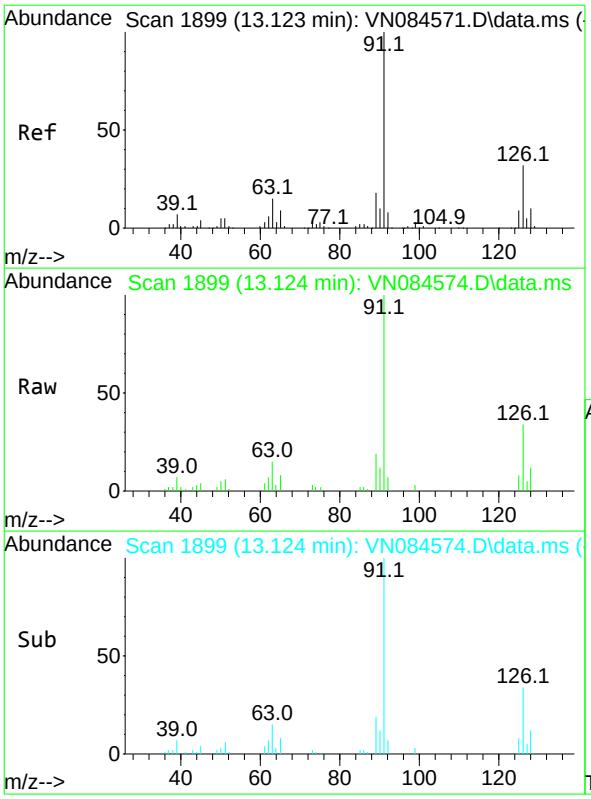


#78
n-propylbenzene
Concen: 4.921 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 91 Resp: 47776

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.4

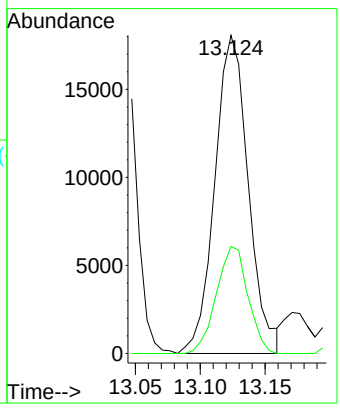




#79
2-Chlorotoluene
Concen: 5.117 ug/l
RT: 13.124 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 91 Resp: 32460

Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
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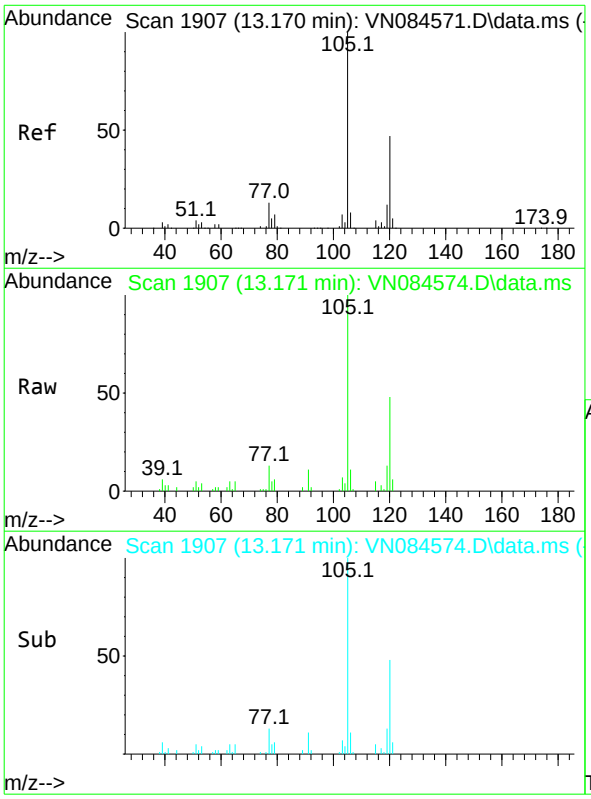
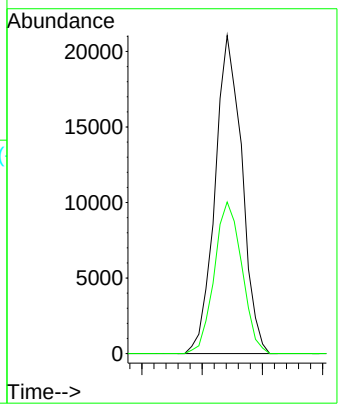
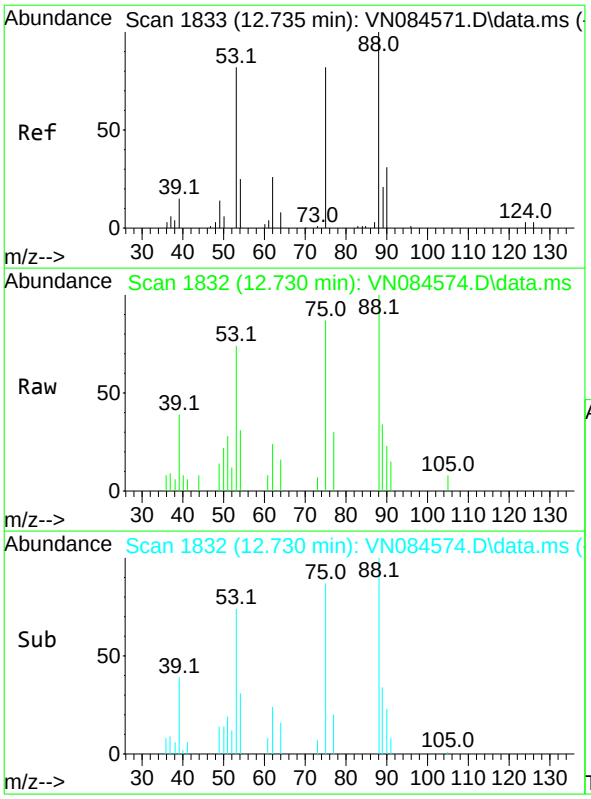


#80
1,3,5-Trimethylbenzene
Concen: 4.760 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:105 Resp: 32685

Ion	Ratio	Lower	Upper
105	100		
120	48.9	23.7	71.1

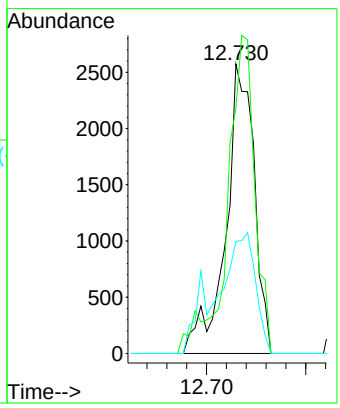




#81
trans-1,4-Dichloro-2-butene
Concen: 5.116 ug/l
RT: 12.730 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 75 Resp: 5096

Ion	Ratio	Lower	Upper
75	100		
53	106.8	78.0	117.0
89	43.5	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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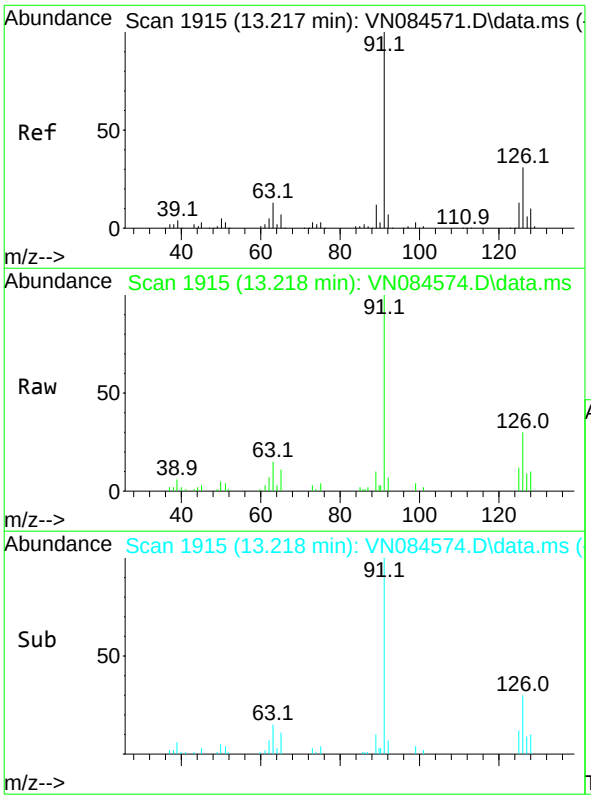
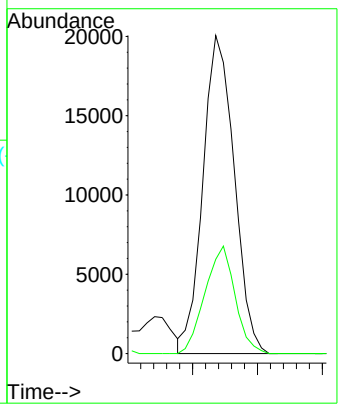
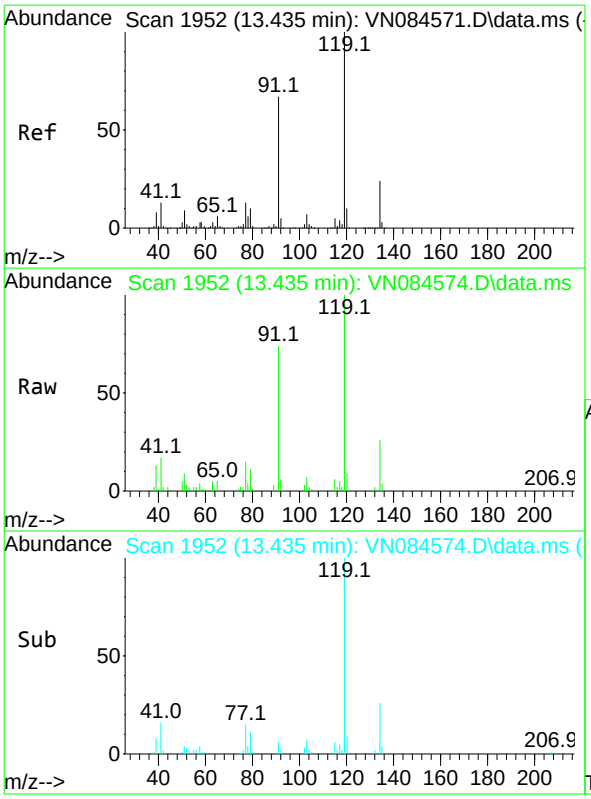


#82
4-Chlorotoluene
Concen: 5.044 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 91 Resp: 33672

Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.7	47.1

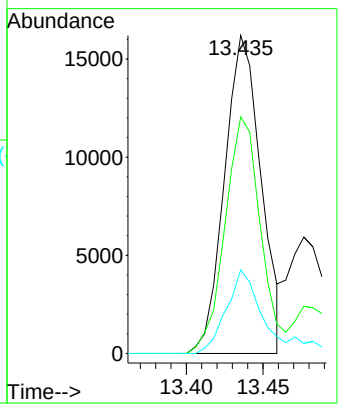




#83
tert-Butylbenzene
Concen: 4.724 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:119 Resp: 26850

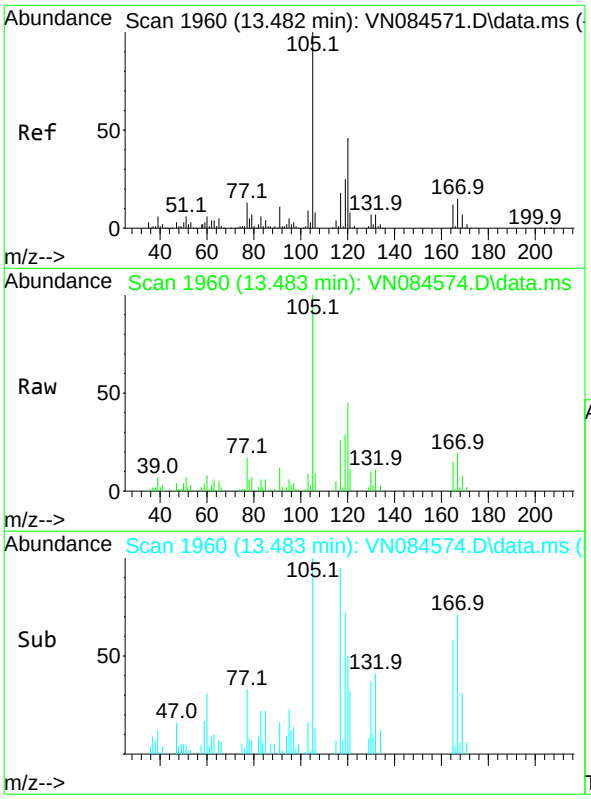
Ion	Ratio	Lower	Upper
119	100		
91	72.6	34.1	102.3
134	27.9	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

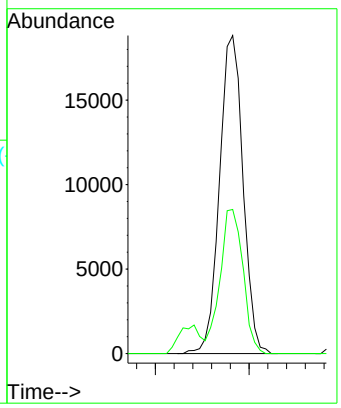
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

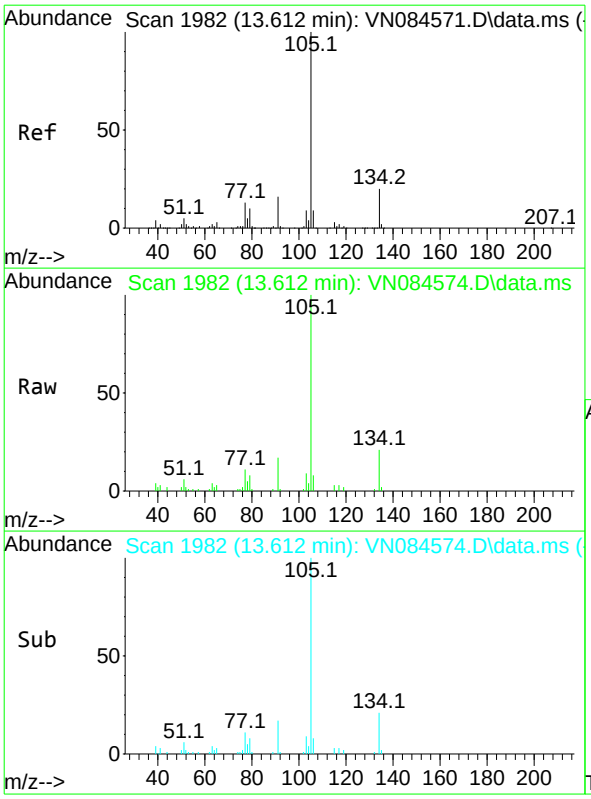


#84
1,2,4-Trimethylbenzene
Concen: 4.614 ug/l
RT: 13.483 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:105 Resp: 32703

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.3	66.8

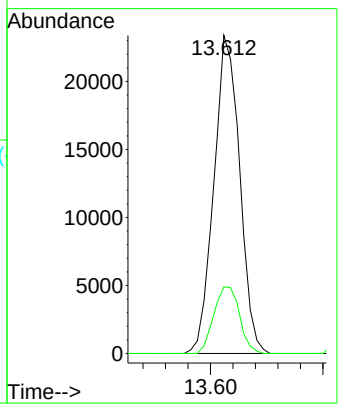




#85
sec-Butylbenzene
Concen: 4.632 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:105 Resp: 37187

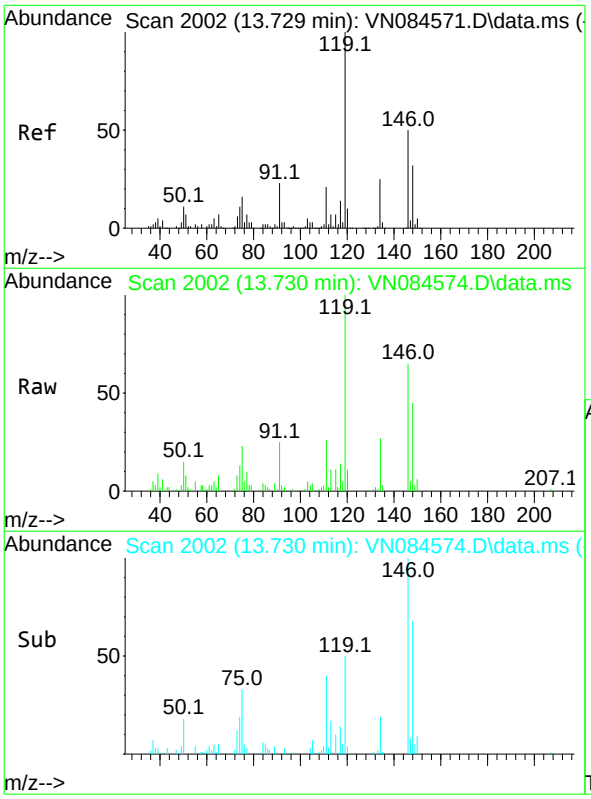
Ion	Ratio	Lower	Upper
105	100		
134	20.8	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

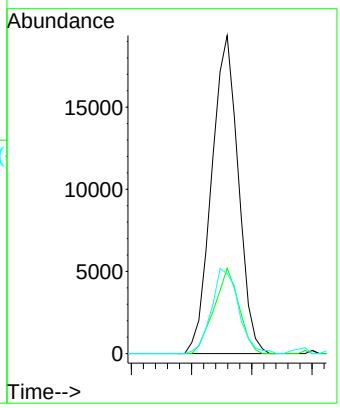
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

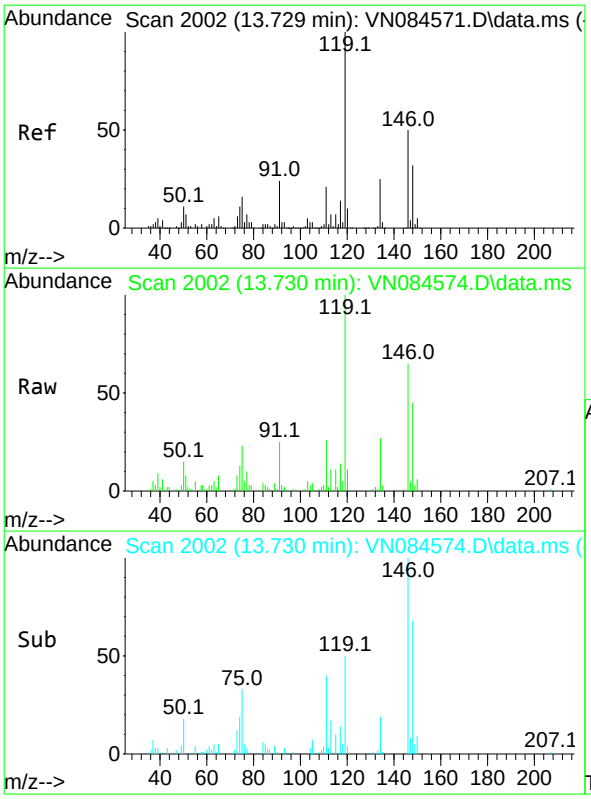


#86
p-Isopropyltoluene
Concen: 4.521 ug/l
RT: 13.730 min Scan# 2002
Delta R.T. 0.001 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:119 Resp: 29767

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.6	37.8
91	27.2	12.4	37.2

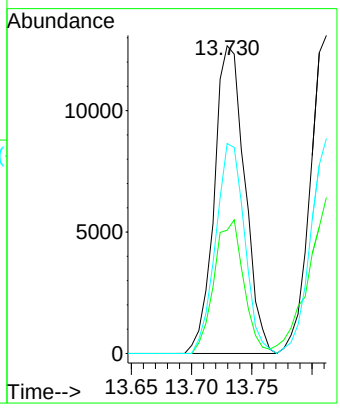




#87
1,3-Dichlorobenzene
Concen: 5.124 ug/l
RT: 13.730 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:146 Resp: 22272

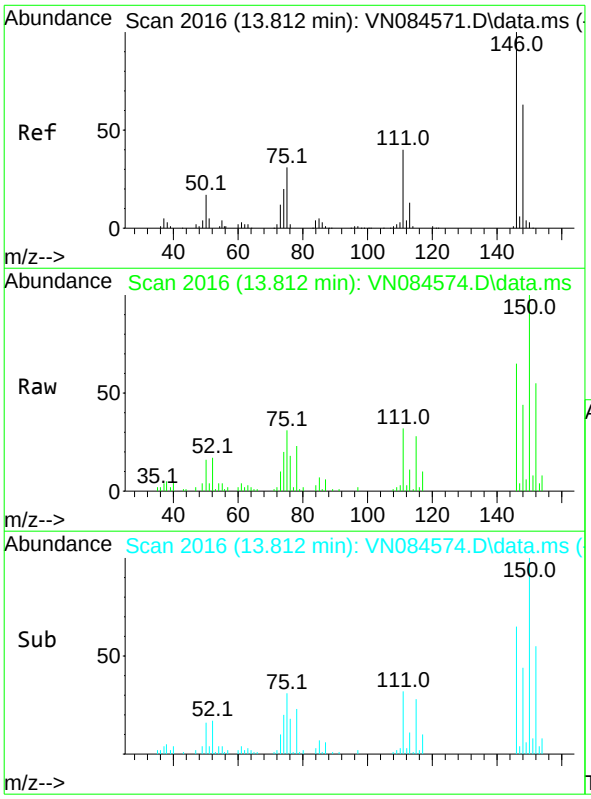
Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.8	65.3
148	64.7	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

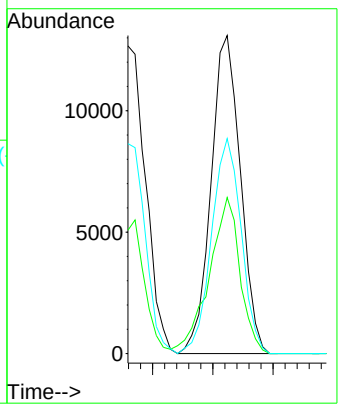
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

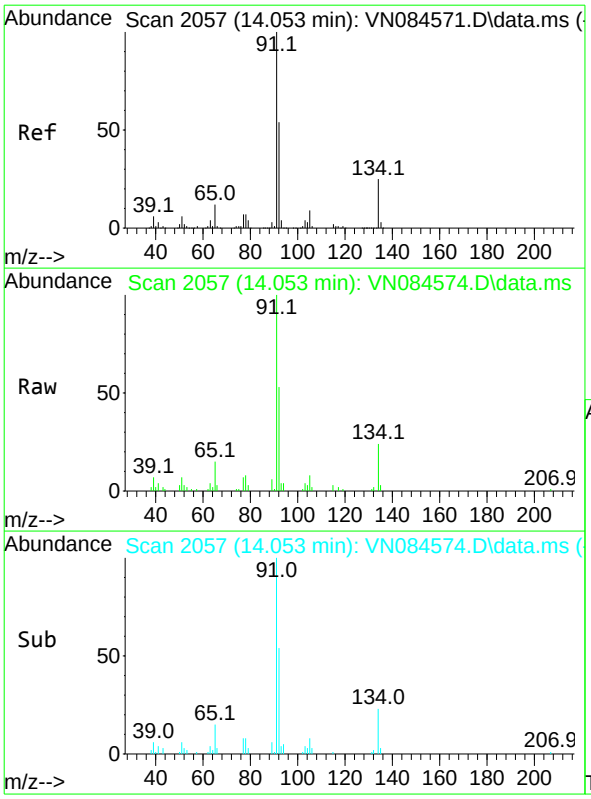


#88
1,4-Dichlorobenzene
Concen: 4.741 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:146 Resp: 22213

Ion	Ratio	Lower	Upper
146	100		
111	51.5	21.2	63.6
148	68.1	31.9	95.9

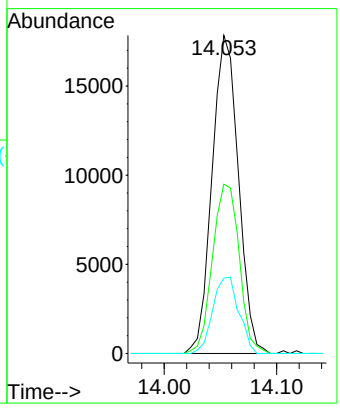




#89
n-Butylbenzene
Concen: 4.710 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 91 Resp: 29010

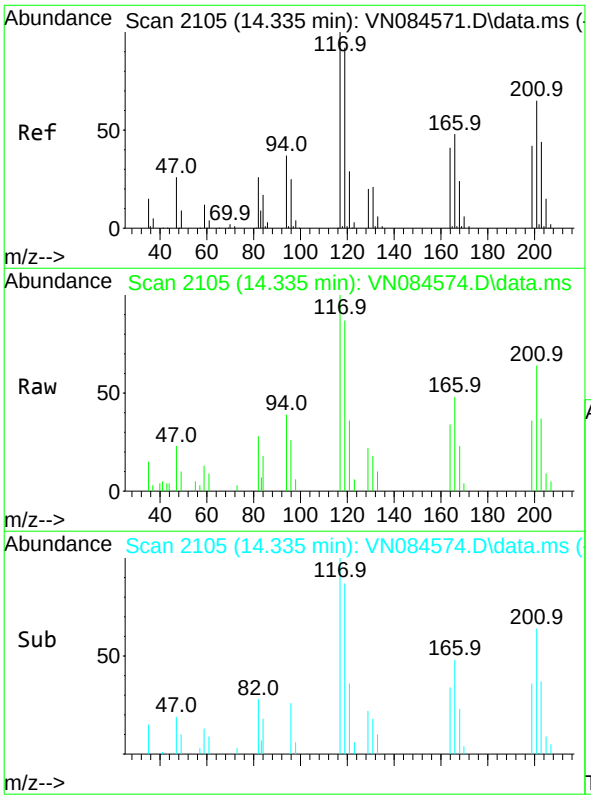
Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.6	79.7
134	23.7	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

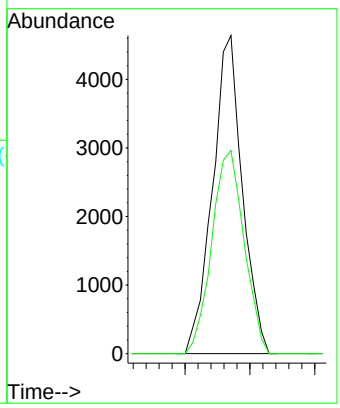
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

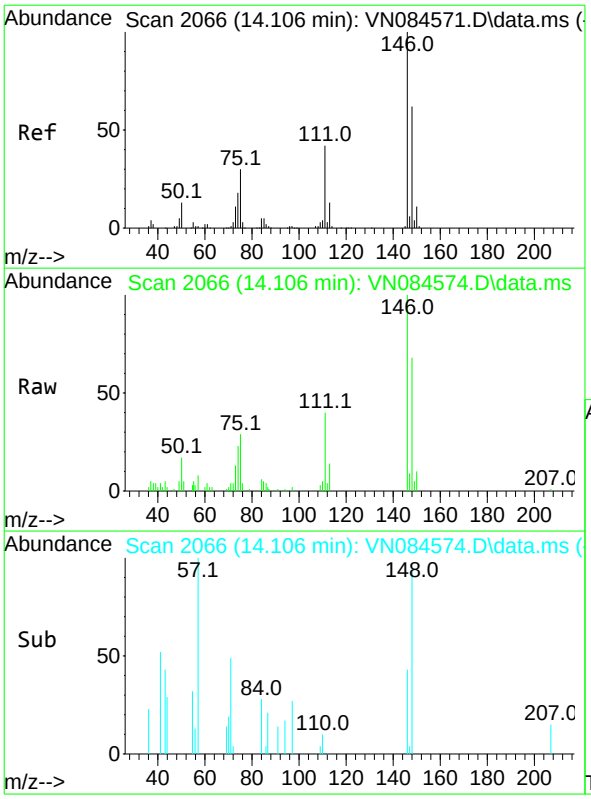


#90
Hexachloroethane
Concen: 5.043 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:117 Resp: 7404

Ion	Ratio	Lower	Upper
117	100		
201	69.0	34.4	103.2

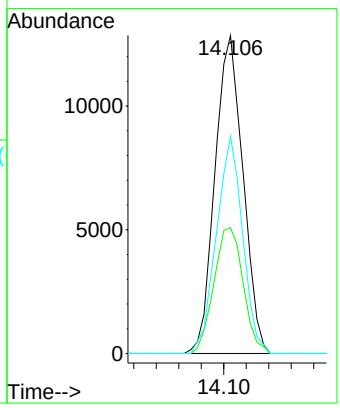




#91
1,2-Dichlorobenzene
Concen: 5.320 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:146 Resp: 22221

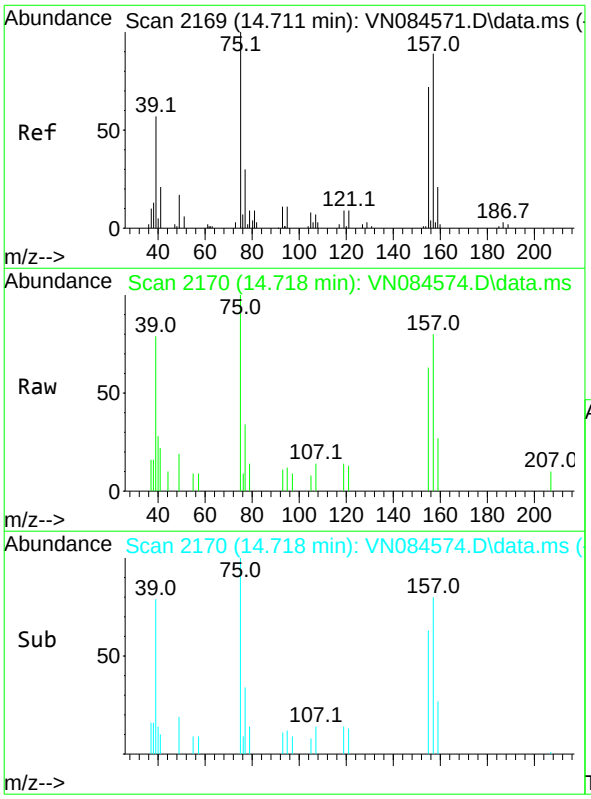
Ion	Ratio	Lower	Upper
146	100		
111	41.3	22.0	66.0
148	64.0	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

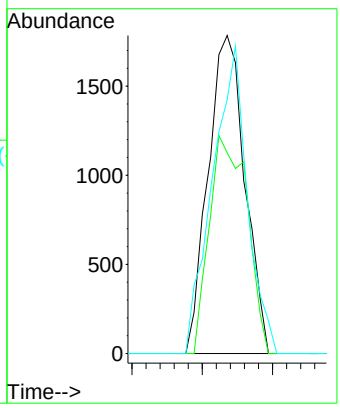
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

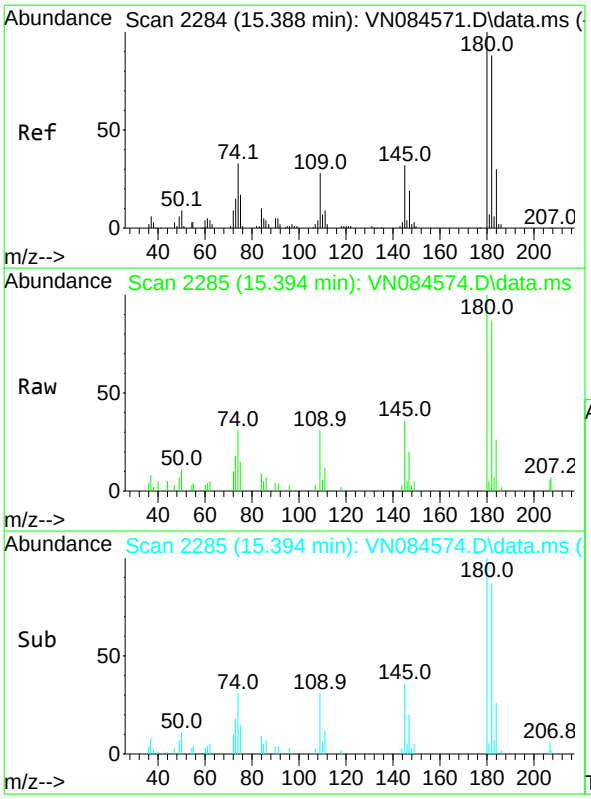


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.781 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 75 Resp: 3239

Ion	Ratio	Lower	Upper
75	100		
155	70.5	38.1	114.5
157	91.9	49.6	149.0

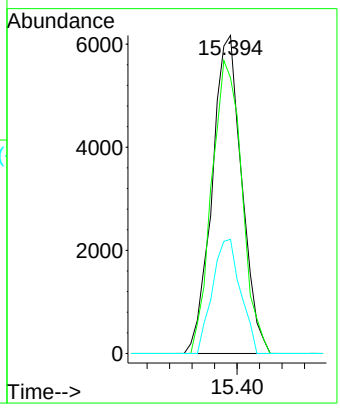




#93
1,2,4-Trichlorobenzene
Concen: 4.942 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:180 Resp: 11298

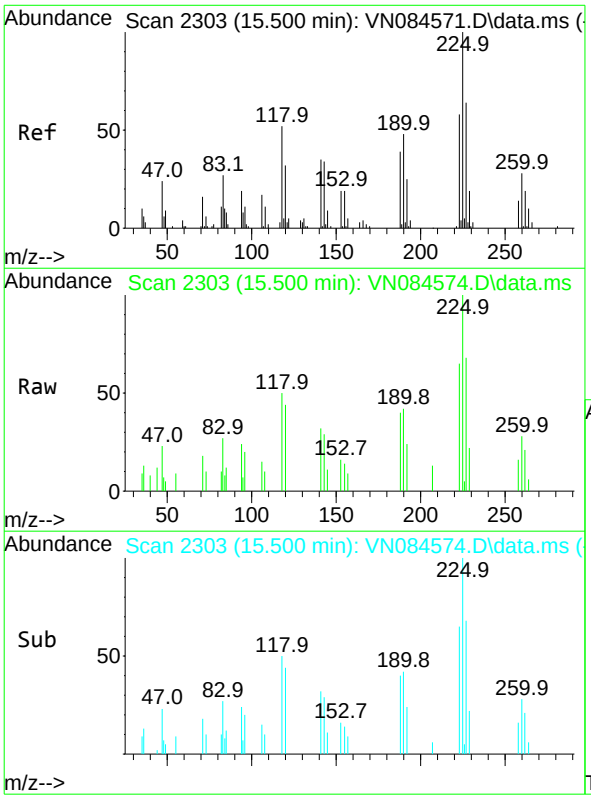
Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.0	141.0
145	33.9	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

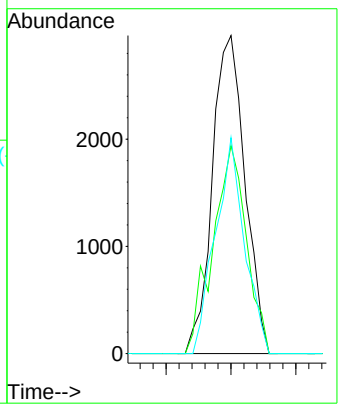
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

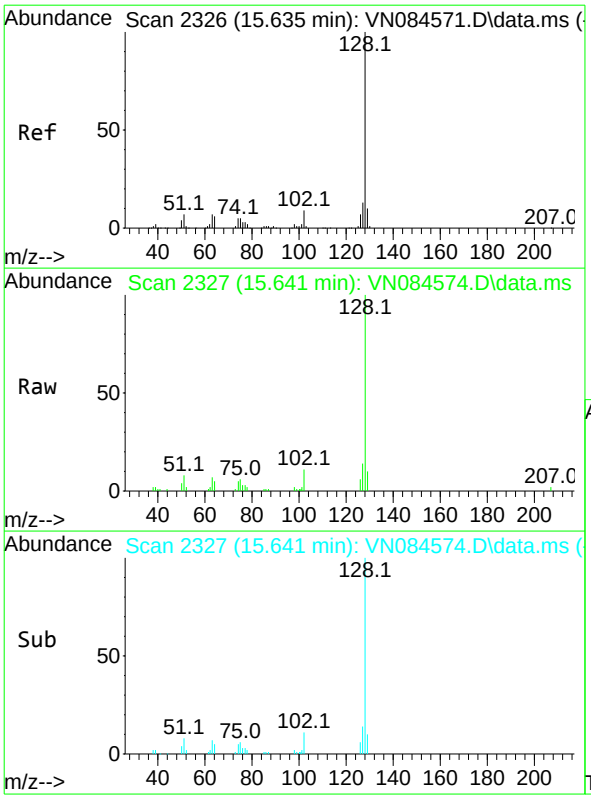


#94
Hexachlorobutadiene
Concen: 5.163 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:225 Resp: 5184

Ion	Ratio	Lower	Upper
225	100		
223	67.7	32.4	97.2
227	60.8	32.4	97.0

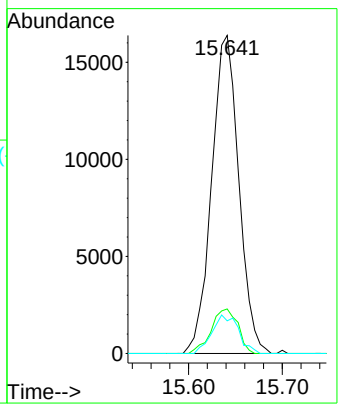




#95
Naphthalene
Concen: 4.817 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:128 Resp: 32966

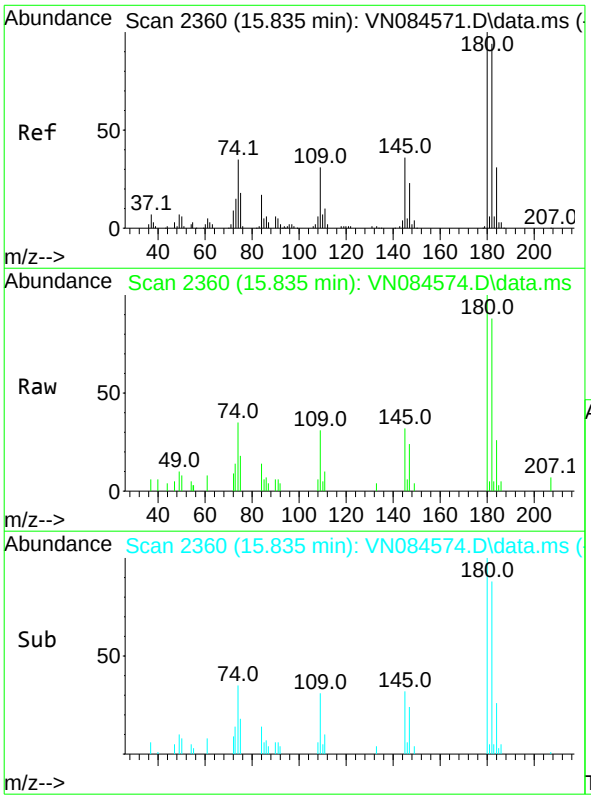
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.5	15.7
129	11.9	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

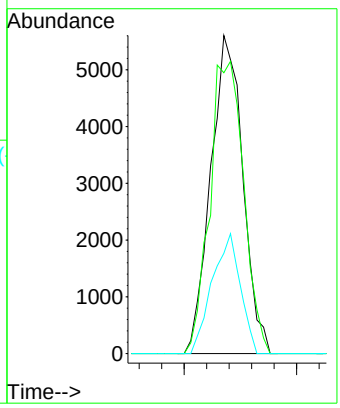
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#96
1,2,3-Trichlorobenzene
Concen: 5.004 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:180 Resp: 11106

Ion	Ratio	Lower	Upper
180	100		
182	97.1	48.2	144.6
145	33.0	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084575.D
Acq On : 30 Oct 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:13:36 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	168991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	297772	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	250990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	109560	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%#		
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#		
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%#		
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	1964	1.011	ug/l	100
3) Chloromethane	2.365	50	6046	1.880	ug/l #	80
4) Vinyl Chloride	2.512	62	1963	0.939	ug/l	89
6) Chloroethane	3.083	64	2917	0.885	ug/l	98
7) Trichlorofluoromethane	3.471	101	3621	1.052	ug/l #	74
8) Diethyl Ether	3.971	74	1209m	0.996	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.359	101	1982	1.019	ug/l	90
12) 1,1-Dichloroethene	4.336	96	2177	1.131	ug/l #	68
14) Allyl chloride	5.006	41	2869	0.919	ug/l #	29
15) Acrylonitrile	5.730	53	4443	4.764	ug/l #	55
16) Acetone	4.430	43	5707m	5.302	ug/l	
17) Carbon Disulfide	4.700	76	7155	1.207	ug/l #	93
18) Methyl Acetate	5.024	43	7743	1.954	ug/l #	89
19) Methyl tert-butyl Ether	5.806	73	5314	0.901	ug/l	95
20) Methylene Chloride	5.271	84	2029	0.945	ug/l #	81
21) trans-1,2-Dichloroethene	5.789	96	2030	1.027	ug/l #	78
22) Diisopropyl ether	6.665	45	5485	0.884	ug/l #	89
23) Vinyl Acetate	6.600	43	18413	4.306	ug/l	96
24) 1,1-Dichloroethane	6.553	63	3491	0.938	ug/l #	83
25) 2-Butanone	7.494	43	5644	4.956	ug/l #	88
26) 2,2-Dichloropropane	7.488	77	3152	0.973	ug/l #	70
27) cis-1,2-Dichloroethene	7.477	96	2275	0.986	ug/l #	75
28) Bromochloromethane	7.812	49	1450	0.978	ug/l #	97
29) Tetrahydrofuran	7.847	42	3321	4.396	ug/l	96
30) Chloroform	7.965	83	3463	0.914	ug/l	87
32) 1,1,1-Trichloroethane	8.171	97	3312	0.960	ug/l #	34
36) 1,1-Dichloropropene	8.365	75	2825	1.011	ug/l	97
37) Ethyl Acetate	7.559	43	2440	0.962	ug/l #	88
38) Carbon Tetrachloride	8.353	117	2904	0.929	ug/l #	73
39) Methylcyclohexane	9.600	83	2212	0.778	ug/l	89
40) Benzene	8.600	78	9169	1.021	ug/l	94
41) Methacrylonitrile	7.777	41	1095	0.803	ug/l #	84
42) 1,2-Dichloroethane	8.665	62	2733	0.940	ug/l	81
43) Isopropyl Acetate	8.688	43	7724	0.697	ug/l #	78
44) Trichloroethene	9.353	130	2306	1.114	ug/l	74
45) 1,2-Dichloropropane	9.624	63	1967	0.934	ug/l #	86

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084575.D
Acq On : 30 Oct 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:13:36 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) Dibromomethane	9.712	93	1472	0.991 ug/l	93
47) Bromodichloromethane	9.882	83	3156	1.008 ug/l #	96
48) Methyl methacrylate	9.682	41	1652	0.837 ug/l #	84
49) 1,4-Dioxane	9.700	88	576	16.468 ug/l #	73
51) 4-Methyl-2-Pentanone	10.441	43	10237	4.234 ug/l	92
52) Toluene	10.629	92	4507	0.858 ug/l	89
53) t-1,3-Dichloropropene	10.835	75	3308	1.020 ug/l	93
54) cis-1,3-Dichloropropene	10.312	75	3266	0.952 ug/l #	94
55) 1,1,2-Trichloroethane	11.012	97	1841	0.931 ug/l #	86
56) Ethyl methacrylate	10.876	69	2211	0.773 ug/l	94
57) 1,3-Dichloropropane	11.165	76	3139	0.925 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	4979	3.720 ug/l #	87
59) 2-Hexanone	11.194	43	7617	4.328 ug/l	89
60) Dibromochloromethane	11.353	129	1857	0.824 ug/l	88
61) 1,2-Dibromoethane	11.465	107	2001	0.988 ug/l	89
64) Tetrachloroethene	11.100	164	1629	0.976 ug/l #	69
65) Chlorobenzene	11.894	112	5753	1.025 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	2002	1.025 ug/l #	61
67) Ethyl Benzene	11.965	91	8520	0.909 ug/l	98
68) m/p-Xylenes	12.070	106	6568	1.851 ug/l	96
69) o-Xylene	12.400	106	2759	0.831 ug/l	99
70) Styrene	12.406	104	5269	0.910 ug/l	95
71) Bromoform	12.582	173	1434	0.976 ug/l #	95
73) Isopropylbenzene	12.694	105	6985	0.910 ug/l	99
74) N-amyl acetate	12.488	43	2680	0.820 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.929	83	2678	1.045 ug/l #	91
76) 1,2,3-Trichloropropane	12.994	75	2731m	1.263 ug/l	
77) Bromobenzene	12.982	156	2440	1.182 ug/l	95
78) n-propylbenzene	13.035	91	7935	0.882 ug/l	95
79) 2-Chlorotoluene	13.123	91	5699	0.969 ug/l	96
80) 1,3,5-Trimethylbenzene	13.170	105	5298	0.833 ug/l	98
82) 4-Chlorotoluene	13.223	91	6682	1.080 ug/l	96
83) tert-Butylbenzene	13.435	119	4148	0.788 ug/l	89
84) 1,2,4-Trimethylbenzene	13.482	105	5651	0.860 ug/l	98
85) sec-Butylbenzene	13.617	105	6490	0.872 ug/l	93
86) p-Isopropyltoluene	13.729	119	4859	0.796 ug/l	94
87) 1,3-Dichlorobenzene	13.729	146	4961	1.232 ug/l	95
88) 1,4-Dichlorobenzene	13.817	146	6076m	0.801 ug/l	
89) n-Butylbenzene	14.059	91	6020	1.055 ug/l	95
90) Hexachloroethane	14.329	117	1493	1.097 ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	4428	1.144 ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.717	75	595	1.146 ug/l	83
93) 1,2,4-Trichlorobenzene	15.394	180	2964	1.399 ug/l	98
94) Hexachlorobutadiene	15.506	225	1208	1.298 ug/l	88
95) Naphthalene	15.635	128	7352	1.159 ug/l	96
96) 1,2,3-Trichlorobenzene	15.835	180	2605	1.267 ug/l	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

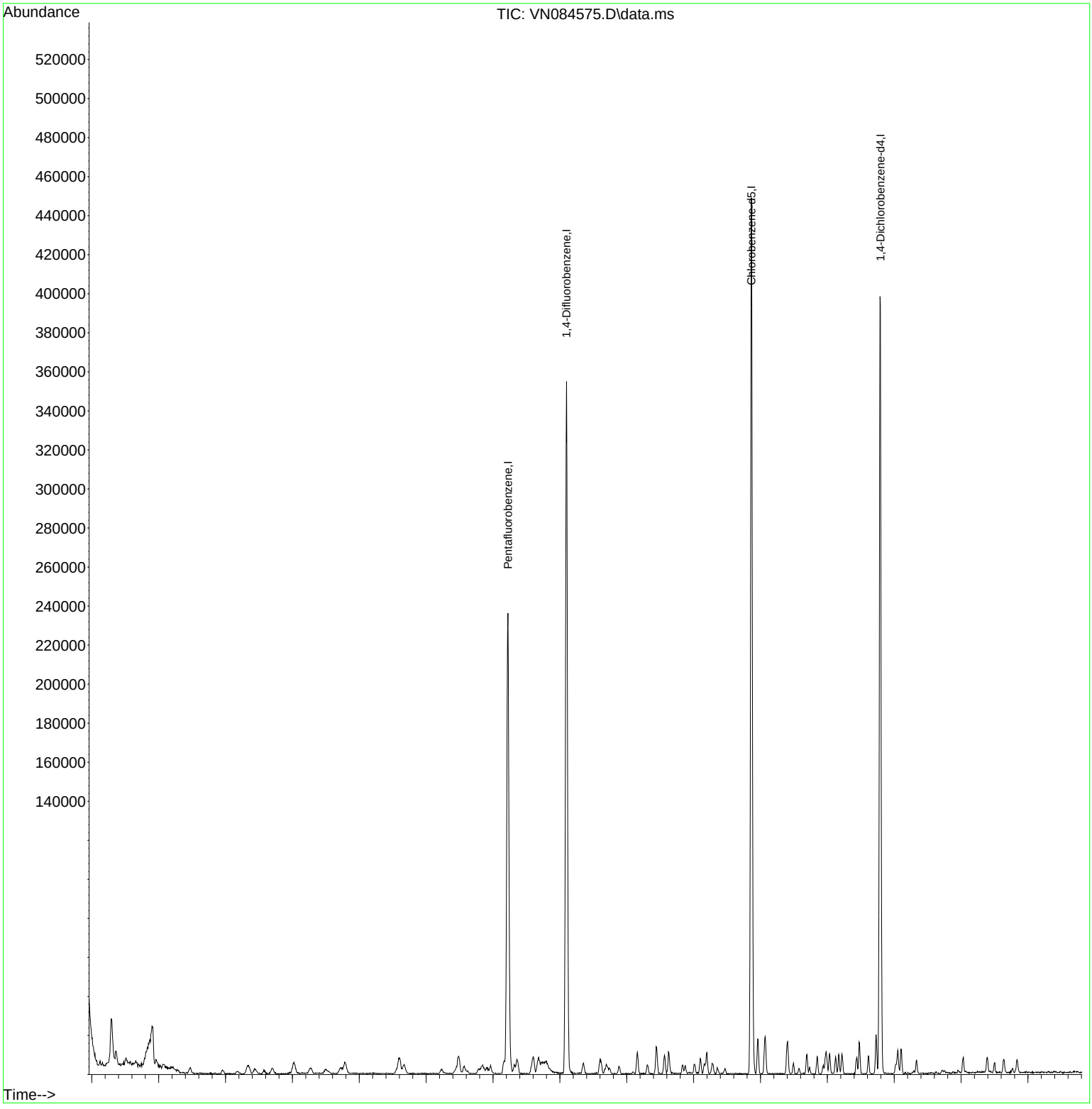
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084575.D
Acq On : 30 Oct 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

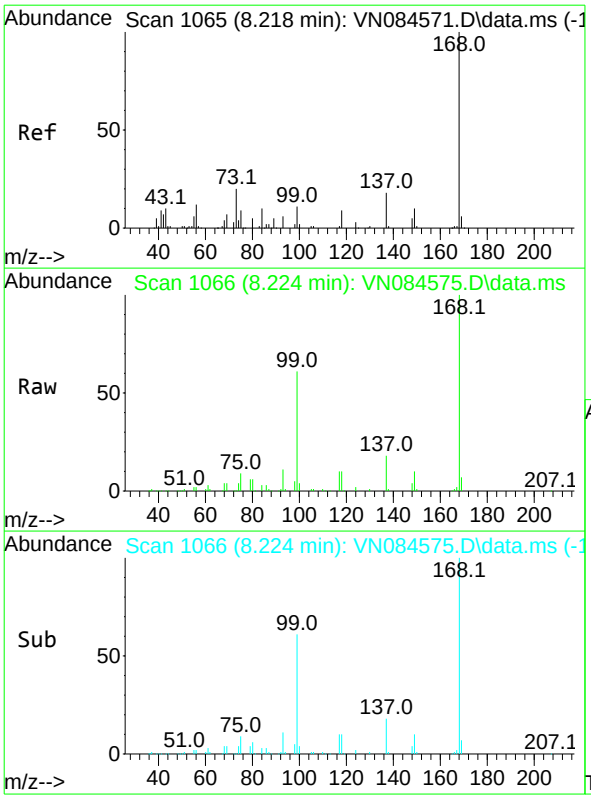
Quant Time: Oct 31 18:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:13:36 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

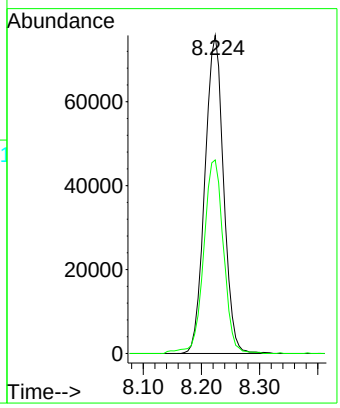




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:168 Resp: 168991

Ion	Ratio	Lower	Upper
168	100		
99	60.9	54.2	81.2



Instrument :
MSVOA_N
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VSTDICC001

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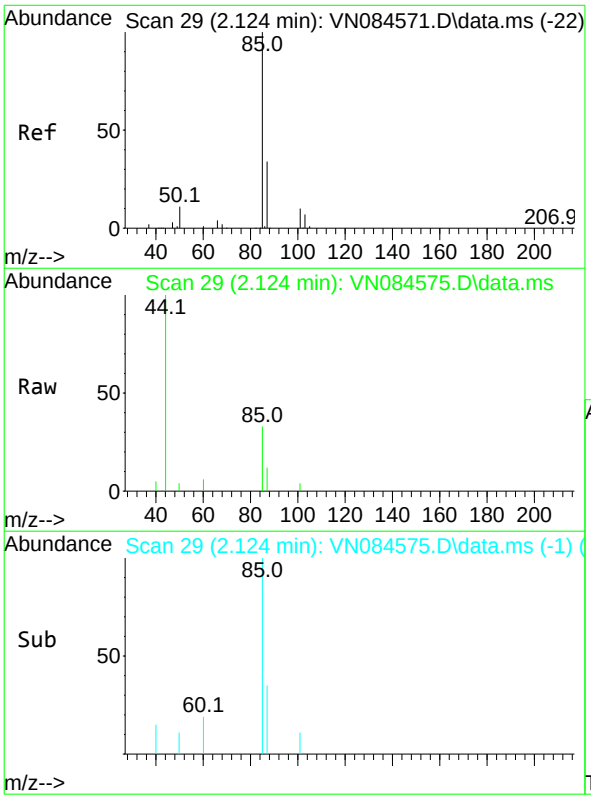
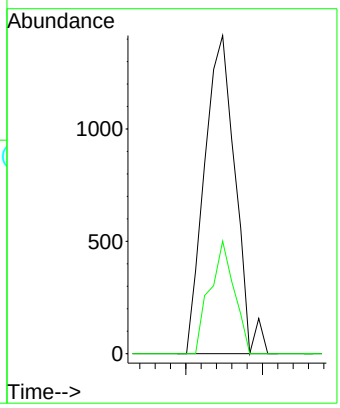
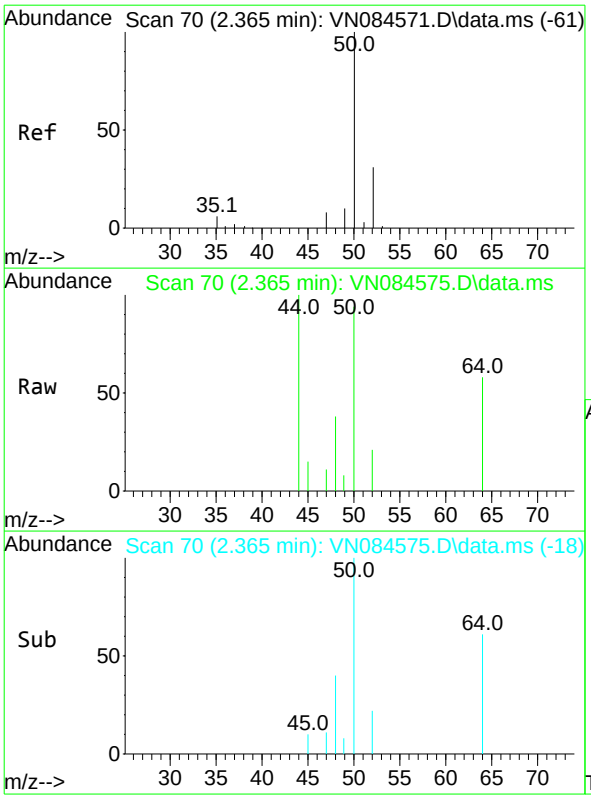


#2
Dichlorodifluoromethane
Concen: 1.011 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 85 Resp: 1964

Ion	Ratio	Lower	Upper
85	100		
87	35.4	17.6	52.9

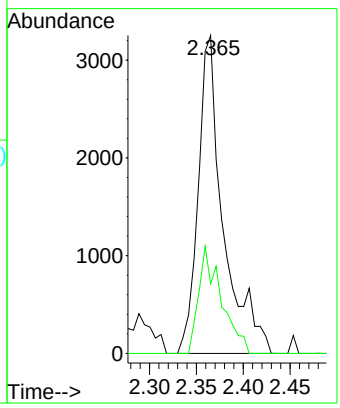




#3
Chloromethane
Concen: 1.880 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 50 Resp: 6046

Ion	Ratio	Lower	Upper
50	100		
52	21.9	26.8	40.2#



Instrument :
MSVOA_N
ClientSampleId :
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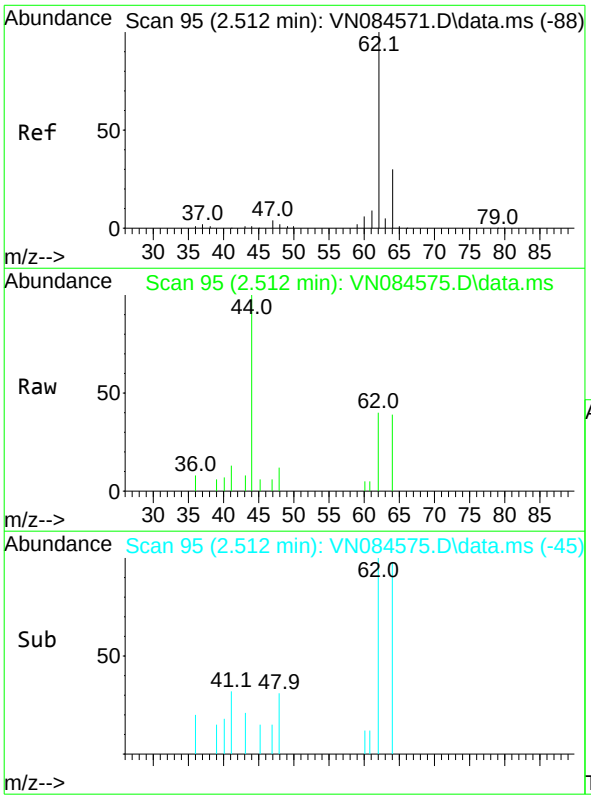
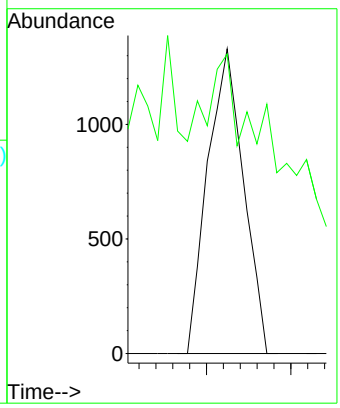
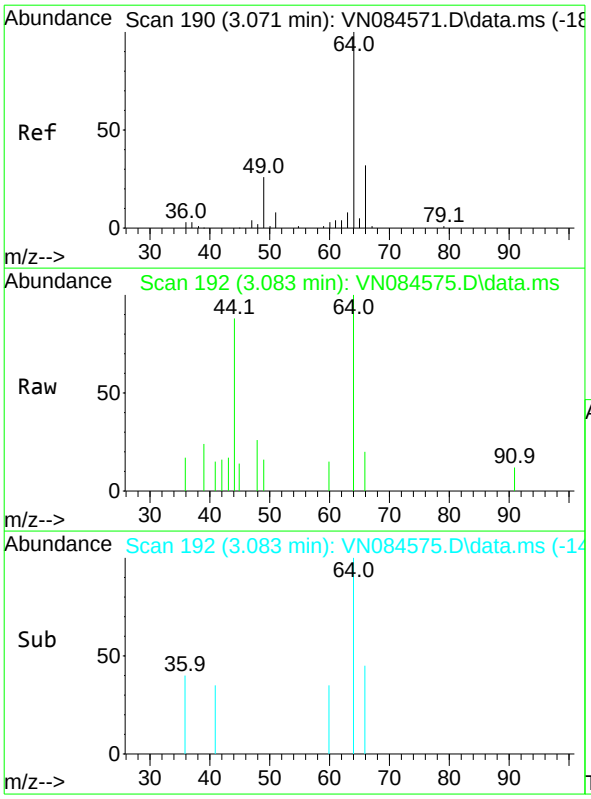


#4
Vinyl Chloride
Concen: 0.939 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 62 Resp: 1963

Ion	Ratio	Lower	Upper
62	100		
64	38.9	26.2	39.4

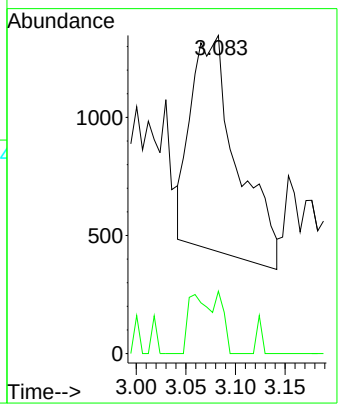




#6
Chloroethane
Concen: 0.885 ug/l
RT: 3.083 min Scan# 19
Delta R.T. -0.035 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 64 Resp: 2917

Ion	Ratio	Lower	Upper
64	100		
66	30.6	23.5	35.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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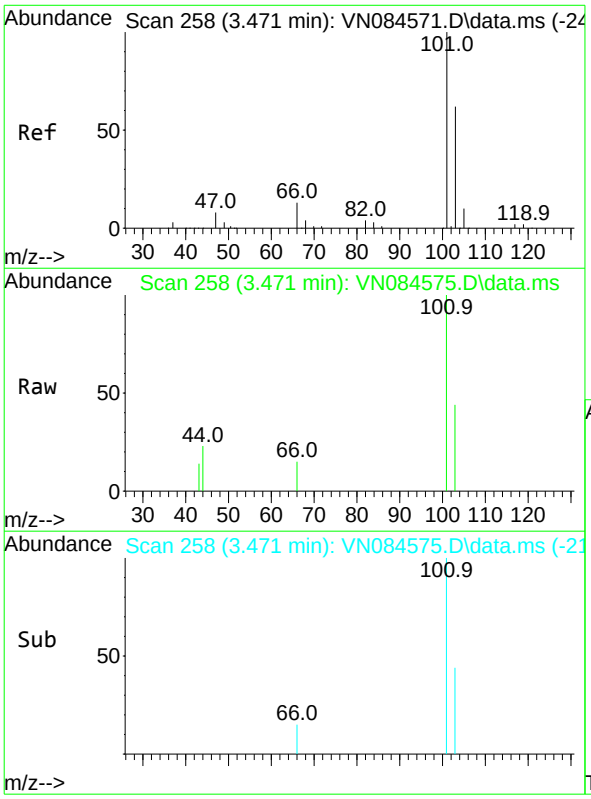
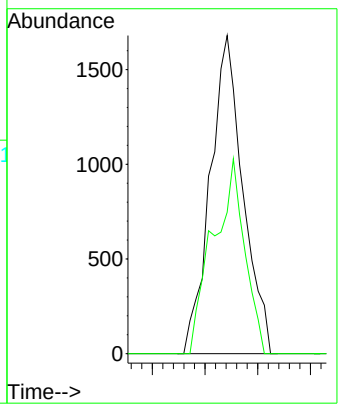
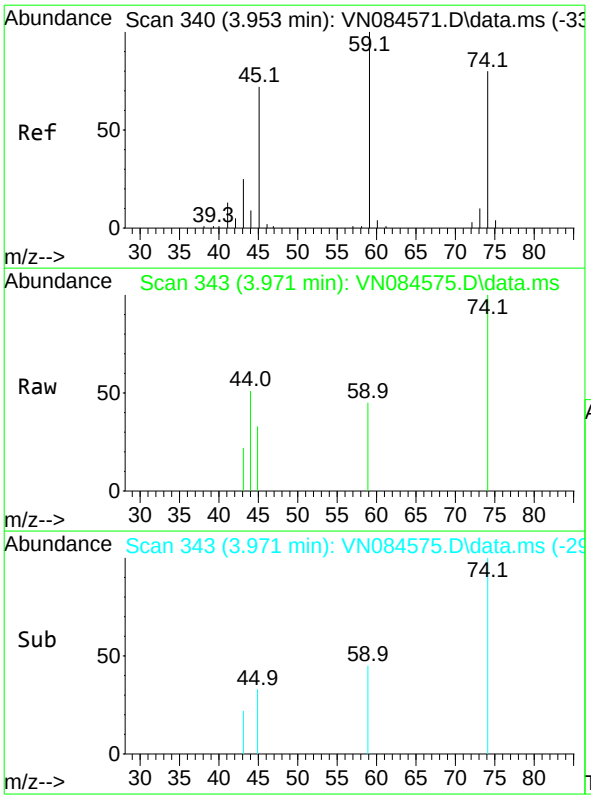


#7
Trichlorofluoromethane
Concen: 1.052 ug/l
RT: 3.471 min Scan# 258
Delta R.T. -0.024 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:101 Resp: 3621

Ion	Ratio	Lower	Upper
101	100		
103	44.5	51.8	77.6#

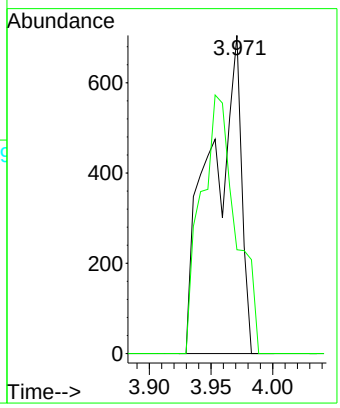




#8
Diethyl Ether
Concen: 0.996 ug/l m
RT: 3.971 min Scan# 34
Delta R.T. 0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 74 Resp: 1209

Ion	Ratio	Lower	Upper
74	100		
45	92.5	47.7	143.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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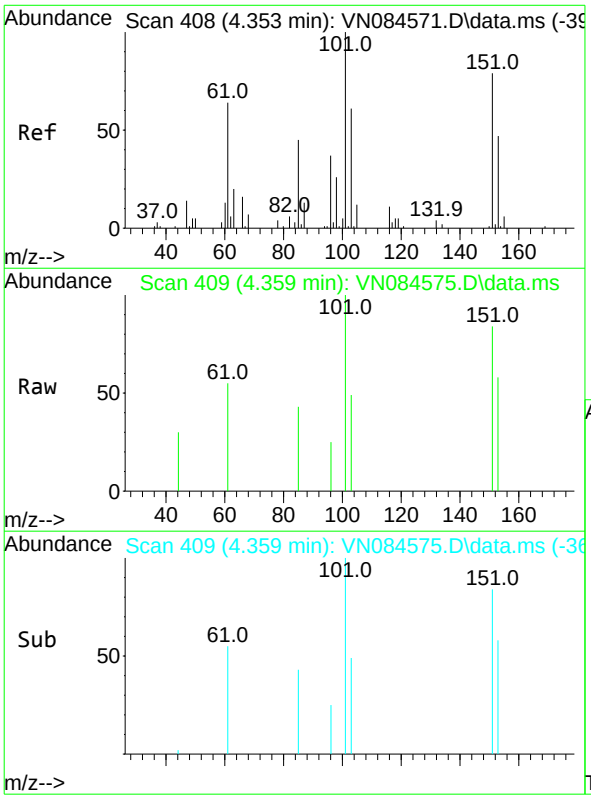
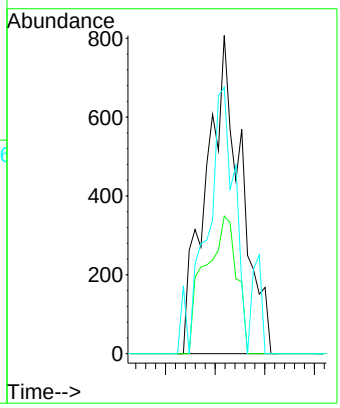
Supervised By :Mahesh Dadoda 11/04/2024

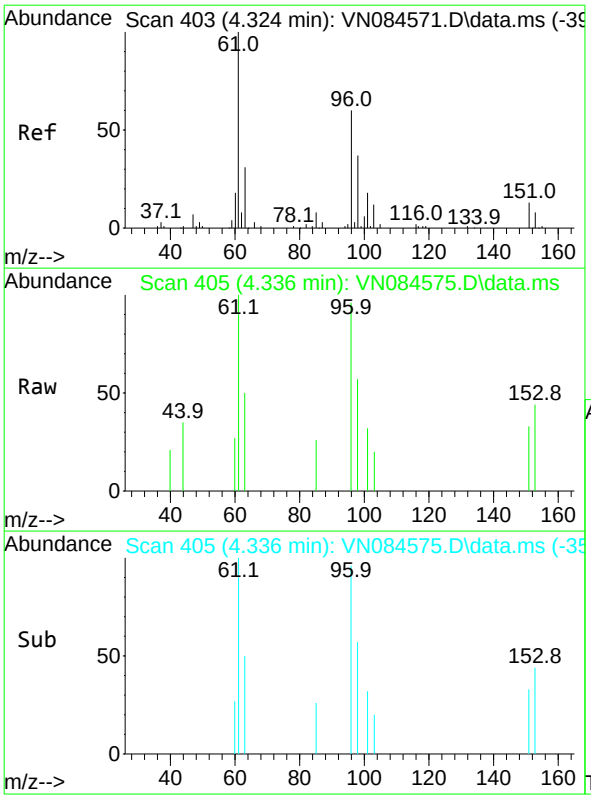


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.019 ug/l
RT: 4.359 min Scan# 409
Delta R.T. -0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:101 Resp: 1982

Ion	Ratio	Lower	Upper
101	100		
85	39.1	36.2	54.4
151	65.9	59.3	88.9

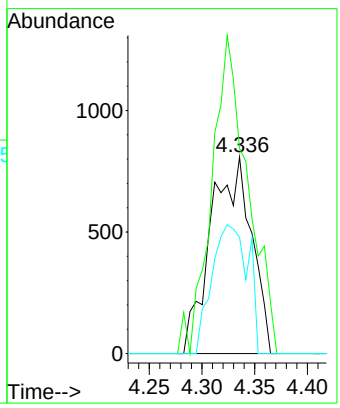




#12
1,1-Dichloroethene
Concen: 1.131 ug/l
RT: 4.336 min Scan# 40
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 96 Resp: 2177

Ion	Ratio	Lower	Upper
96	100		
61	104.3	128.6	192.8#
98	59.2	51.7	77.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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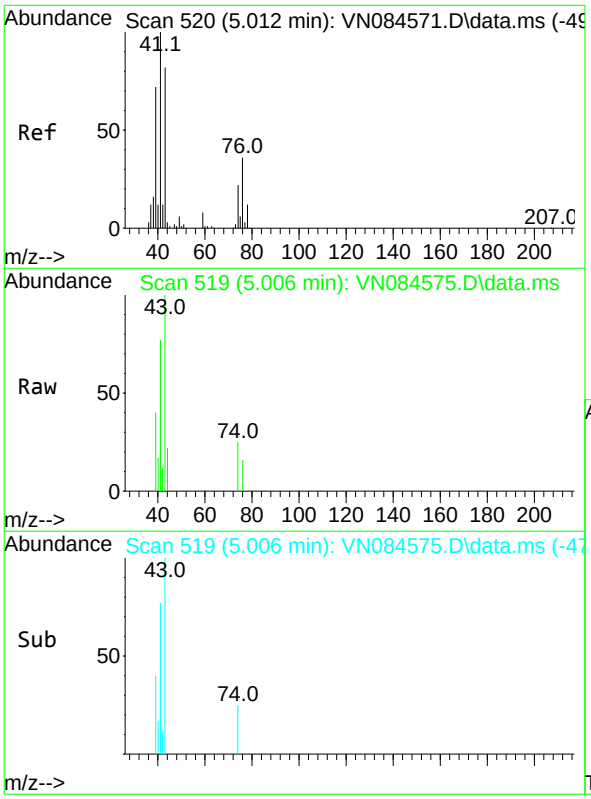
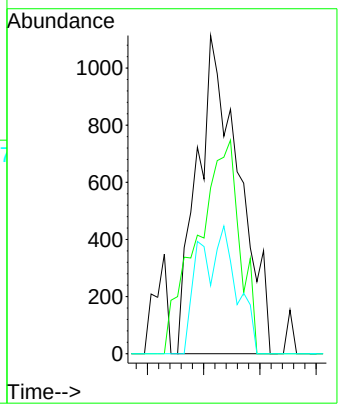
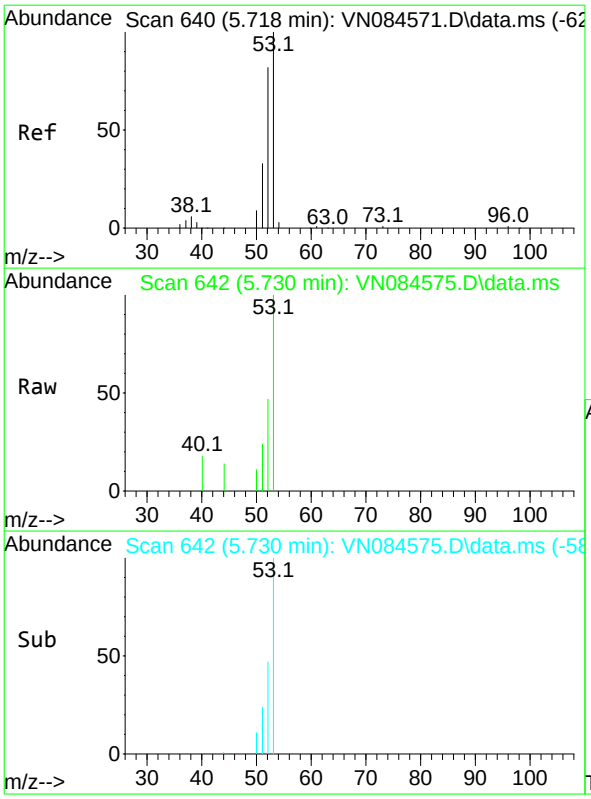


#14
Allyl chloride
Concen: 0.919 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.018 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 41 Resp: 2869

Ion	Ratio	Lower	Upper
41	100		
39	0.0	59.0	88.6#
76	14.8	29.8	44.6#





#15
Acrylonitrile
Concen: 4.764 ug/l
RT: 5.730 min Scan# 64
Delta R.T. 0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 53 Resp: 4443

Ion	Ratio	Lower	Upper
53	100		
52	48.3	66.2	99.4#
51	0.0	28.8	43.2#

Instrument :
MSVOA_N
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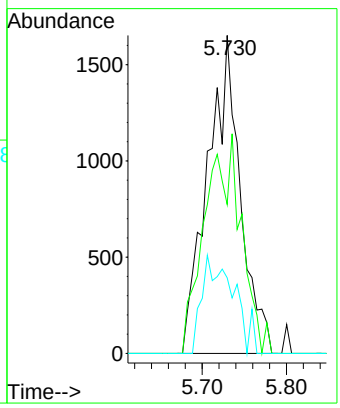
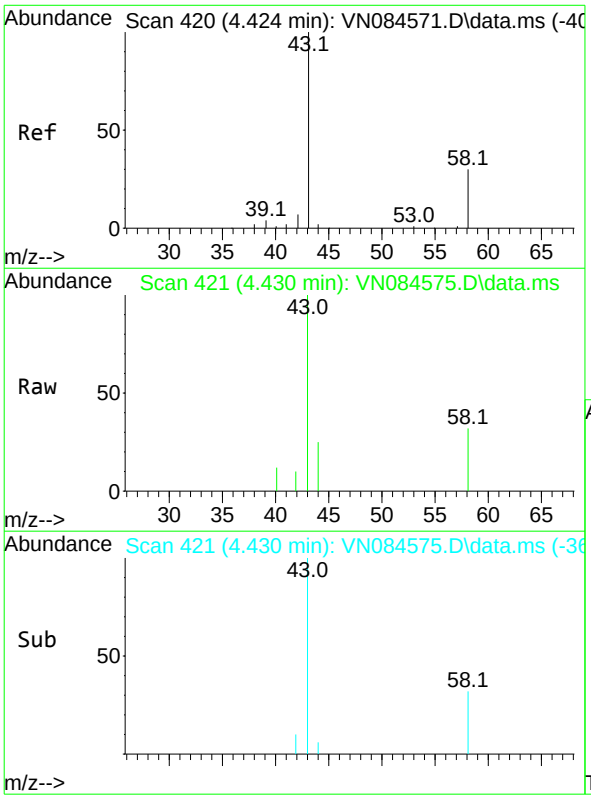
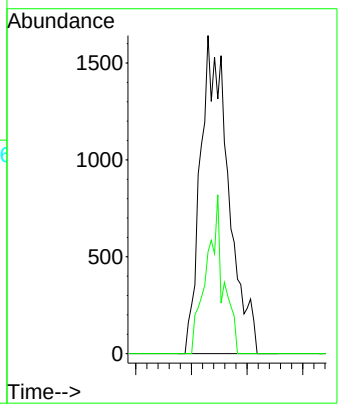


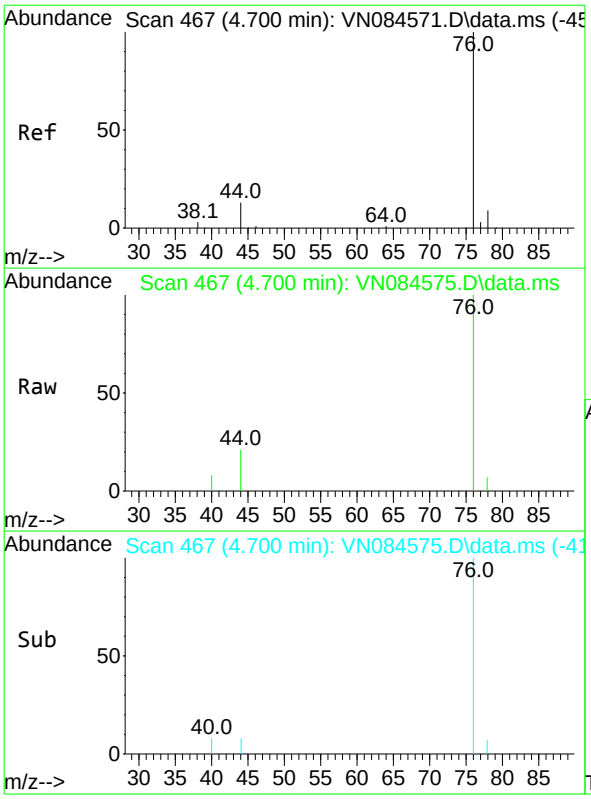


#16
Acetone
Concen: 5.302 ug/l m
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 43 Resp: 5707

Ion	Ratio	Lower	Upper
43	100		
58	32.0	24.4	36.6





#17
Carbon Disulfide
Concen: 1.207 ug/l
RT: 4.700 min Scan# 46
Delta R.T. -0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 76 Resp: 7155

Ion	Ratio	Lower	Upper
76	100		
78	6.7	7.3	10.9#

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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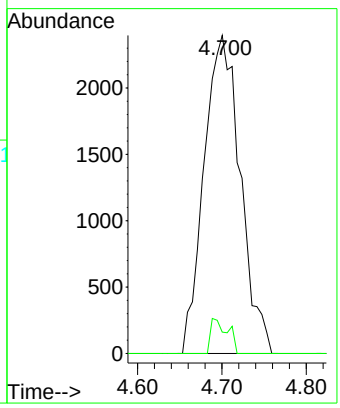
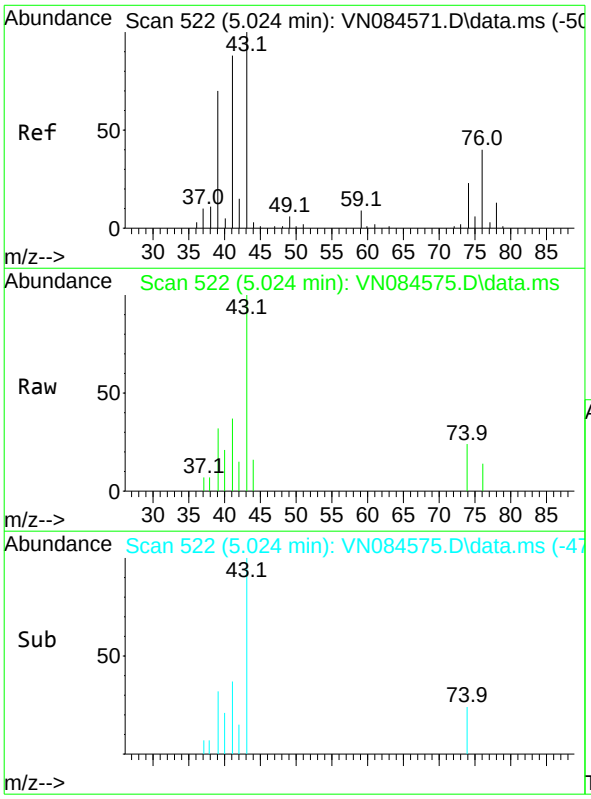
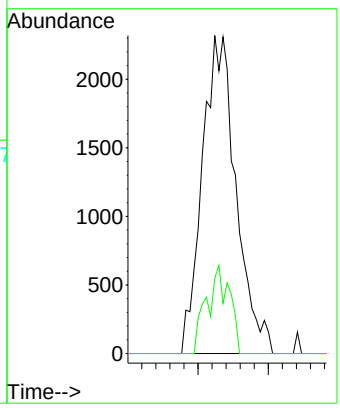


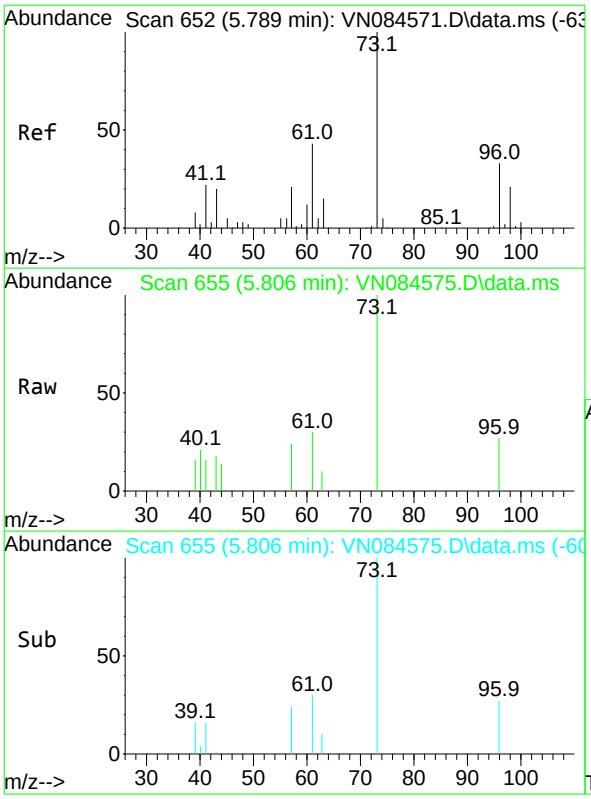


#18
Methyl Acetate
Concen: 1.954 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 43 Resp: 7743

Ion	Ratio	Lower	Upper
43	100		
74	18.6	19.2	28.8#

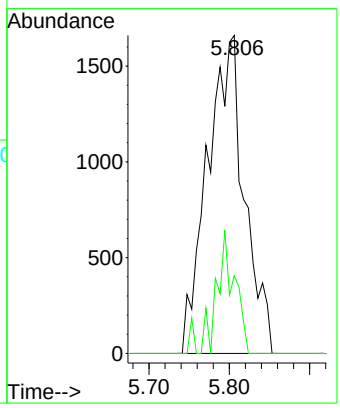




#19
Methyl tert-butyl Ether
Concen: 0.901 ug/l
RT: 5.806 min Scan# 65
Delta R.T. 0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 73 Resp: 5314

Ion	Ratio	Lower	Upper
73	100		
57	24.5	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
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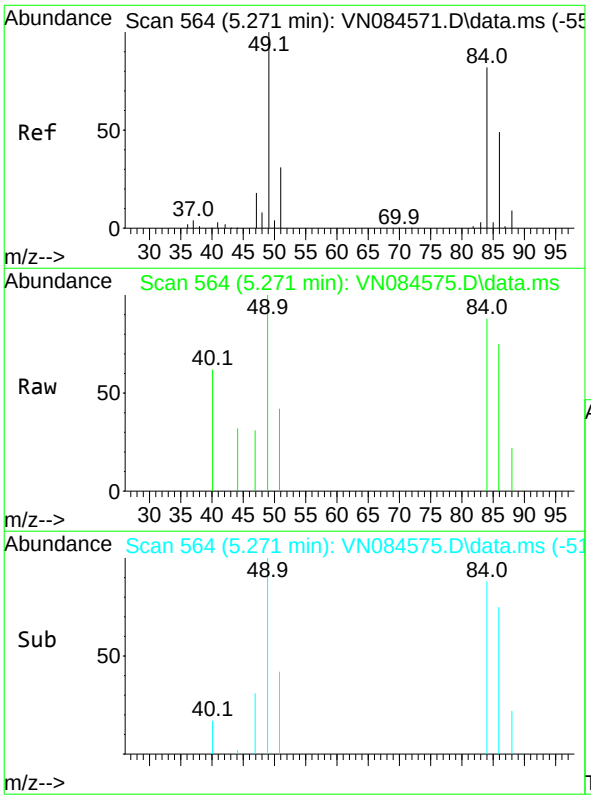
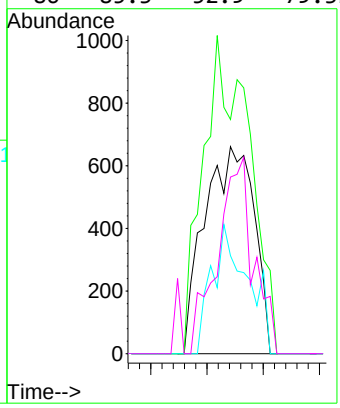
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

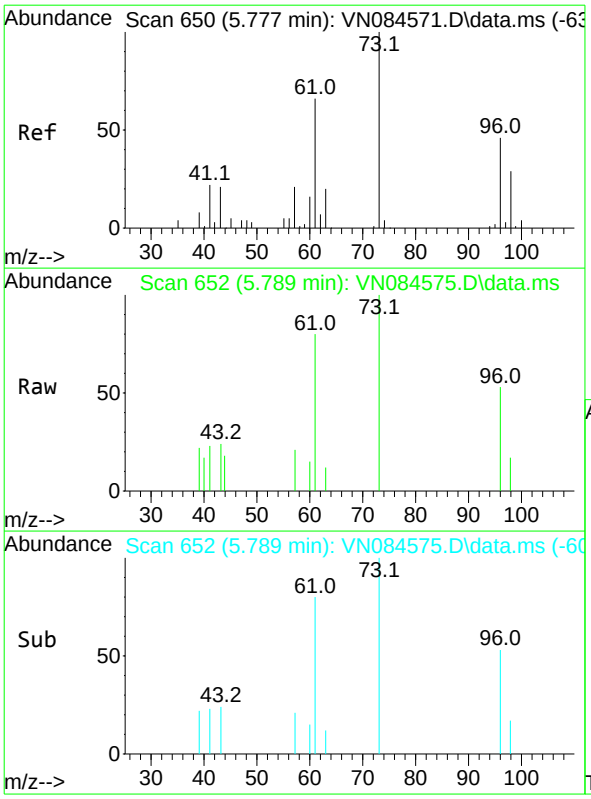


#20
Methylene Chloride
Concen: 0.945 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 84 Resp: 2029

Ion	Ratio	Lower	Upper
84	100		
49	113.2	107.2	160.8
51	47.4	31.8	47.8
86	85.3	52.9	79.3#

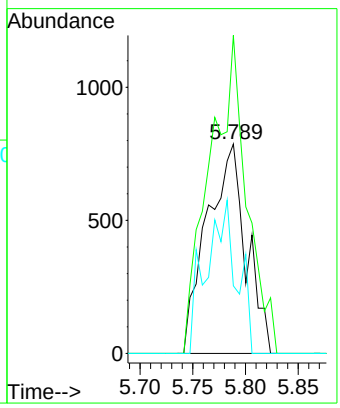




#21
trans-1,2-Dichloroethene
Concen: 1.027 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 96 Resp: 2030

Ion	Ratio	Lower	Upper
96	100		
61	151.8	108.4	162.6
98	32.3	49.8	74.8#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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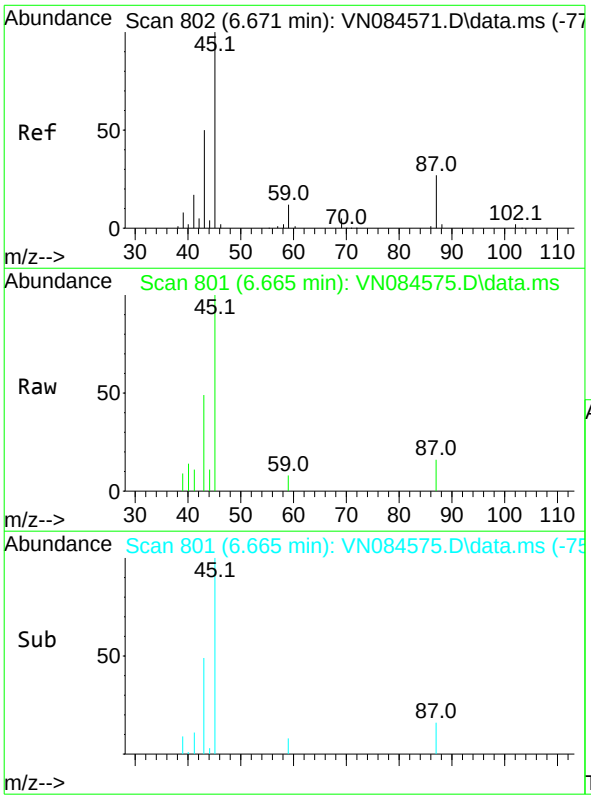
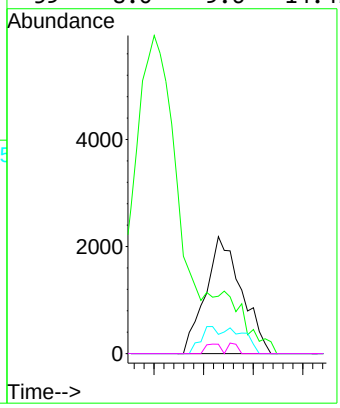
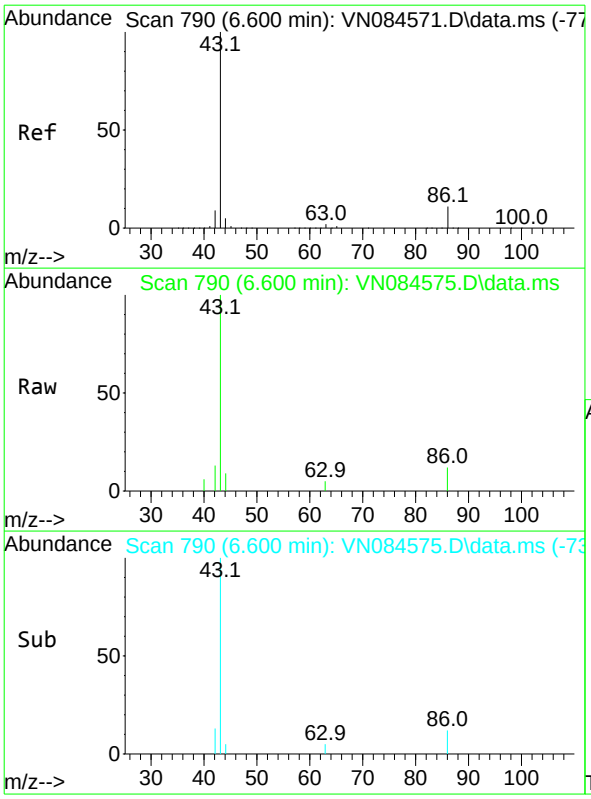


#22
Diisopropyl ether
Concen: 0.884 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 45 Resp: 5485

Ion	Ratio	Lower	Upper
45	100		
43	49.1	42.3	63.5
87	16.4	21.8	32.6#
59	8.0	9.6	14.4#

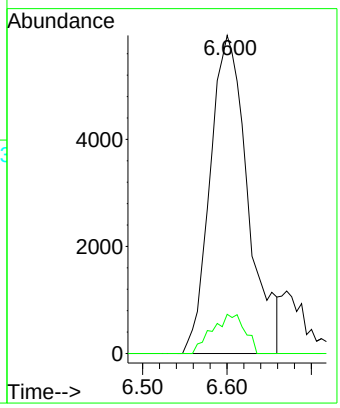




#23
Vinyl Acetate
Concen: 4.306 ug/l
RT: 6.600 min Scan# 79
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 43 Resp: 18413

Ion	Ratio	Lower	Upper
43	100		
86	12.3	8.6	12.8



Instrument :
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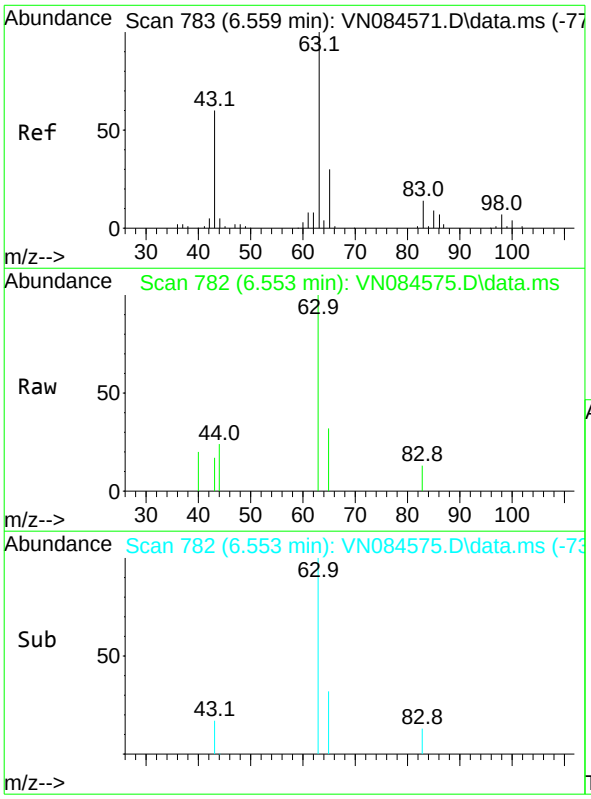
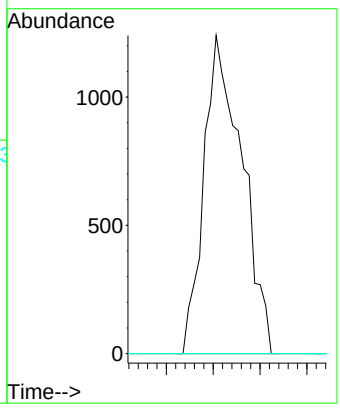
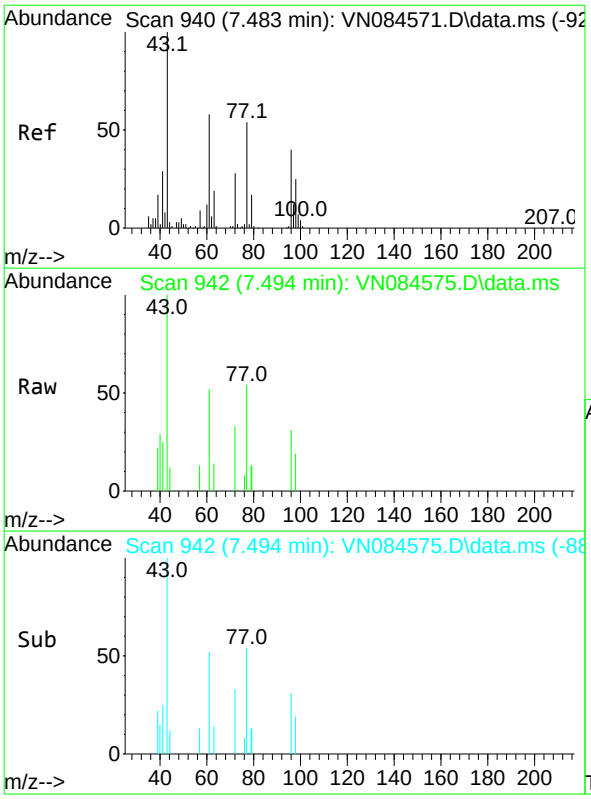


#24
1,1-Dichloroethane
Concen: 0.938 ug/l
RT: 6.553 min Scan# 782
Delta R.T. -0.018 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 63 Resp: 3491

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.4	10.2#
100	0.0	2.0	5.8#

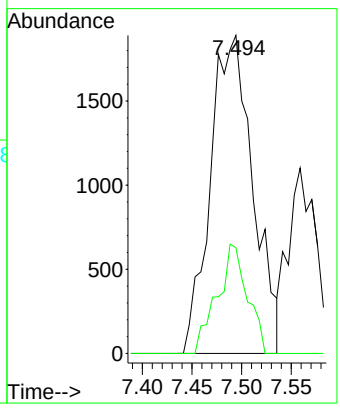




#25
2-Butanone
Concen: 4.956 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 43 Resp: 5644

Ion	Ratio	Lower	Upper
43	100		
72	33.2	21.4	32.2#



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ClientSampleId :
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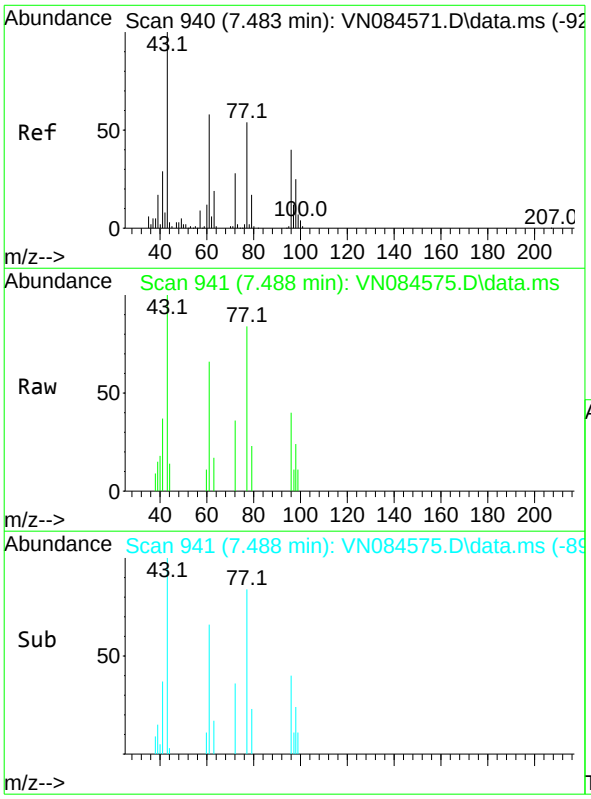
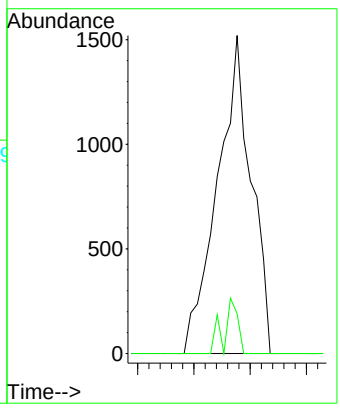
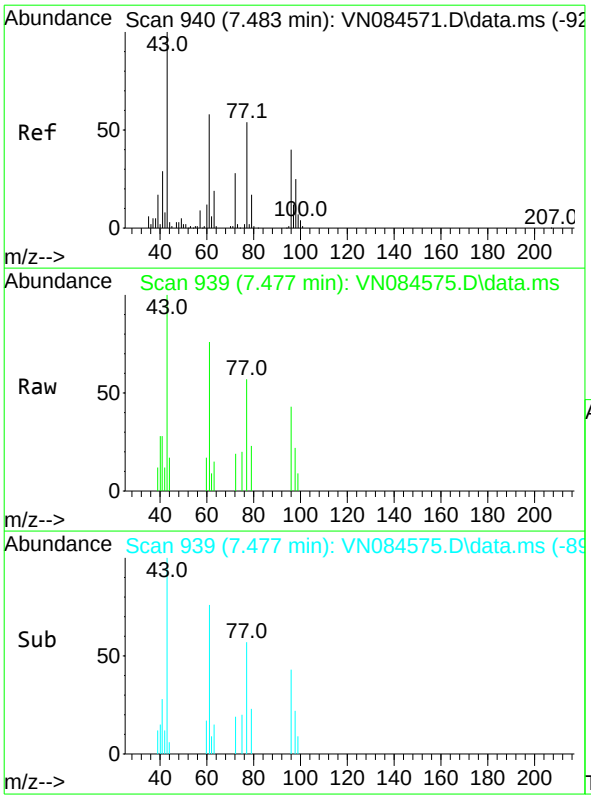


#26
2,2-Dichloropropane
Concen: 0.973 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 77 Resp: 3152

Ion	Ratio	Lower	Upper
77	100		
97	7.2	10.8	32.3#

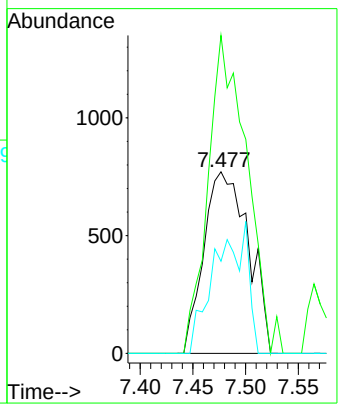




#27
cis-1,2-Dichloroethene
Concen: 0.986 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 96 Resp: 2275

Ion	Ratio	Lower	Upper
96	100		
61	152.0	0.0	301.8
98	0.0	0.0	128.2



Instrument :
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ClientSampleId :
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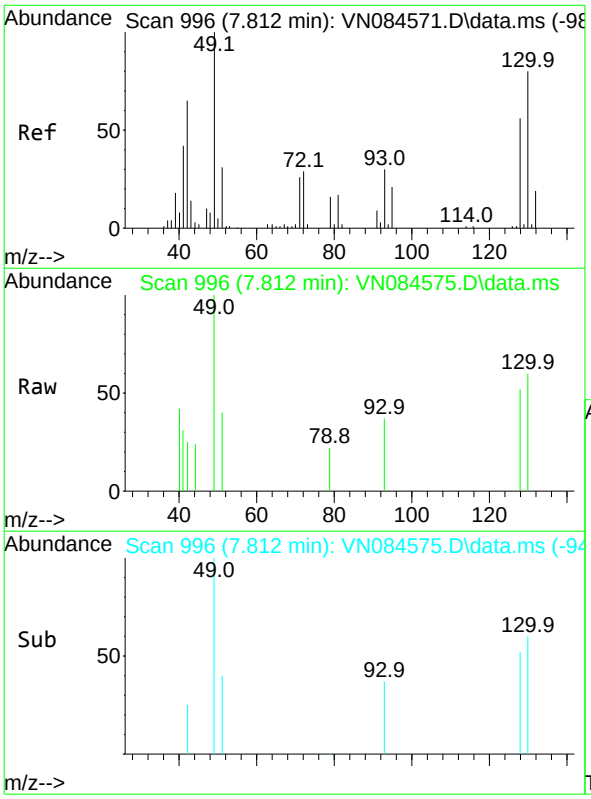
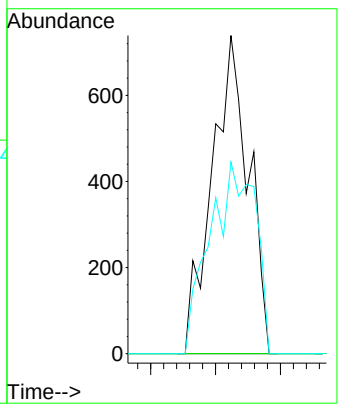
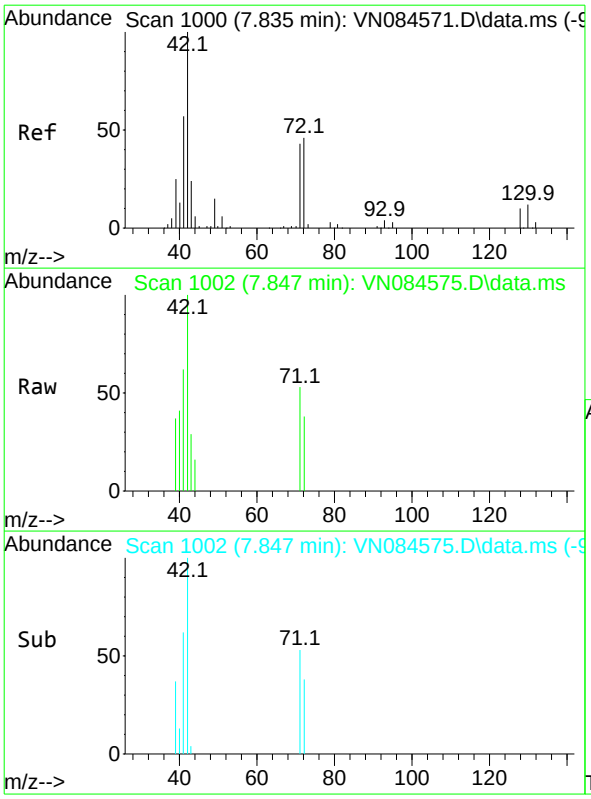


#28
Bromochloromethane
Concen: 0.978 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 49 Resp: 1450

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	74.9	58.0	87.0

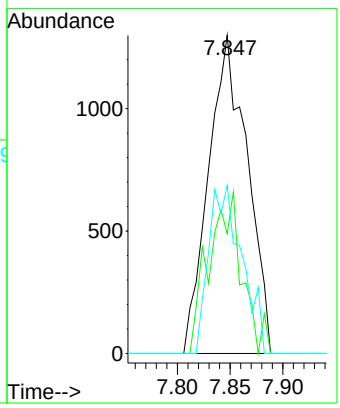




#29
Tetrahydrofuran
Concen: 4.396 ug/l
RT: 7.847 min Scan# 10
Delta R.T. 0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 42 Resp: 3321

Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.6	51.8
71	45.0	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
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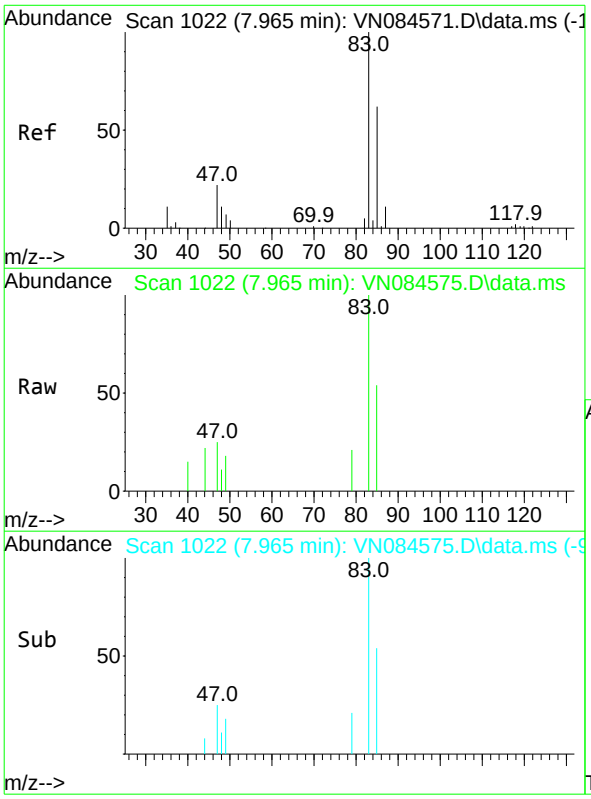
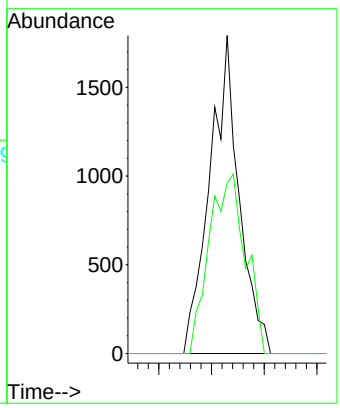
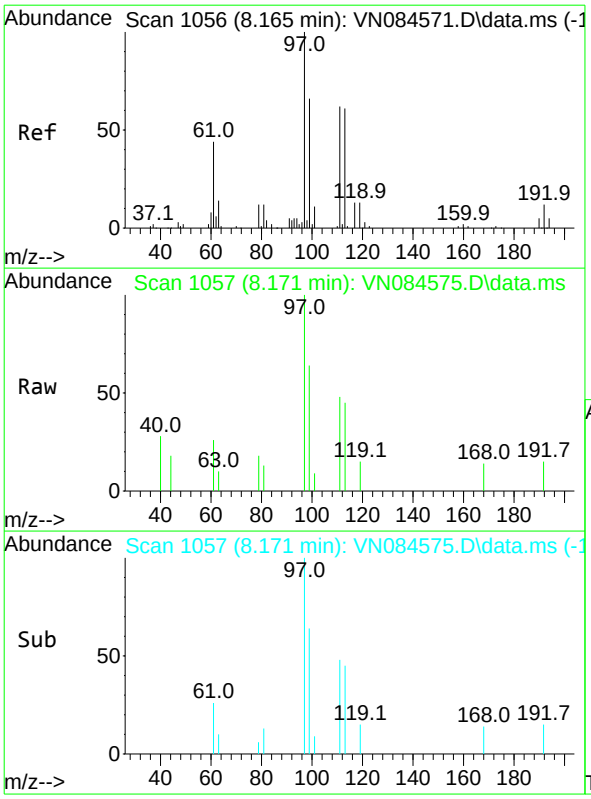


#30
Chloroform
Concen: 0.914 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 83 Resp: 3463

Ion	Ratio	Lower	Upper
83	100		
85	53.6	51.0	76.4

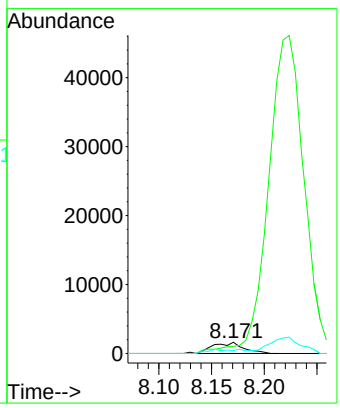




#32
1,1,1-Trichloroethane
Concen: 0.960 ug/l
RT: 8.171 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 97 Resp: 3312

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.2	76.8#
61	17.9	37.5	56.3#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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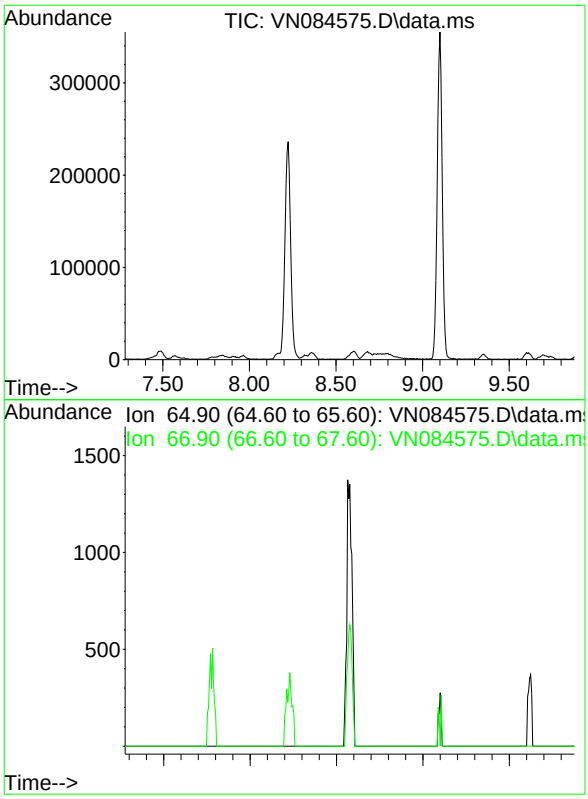
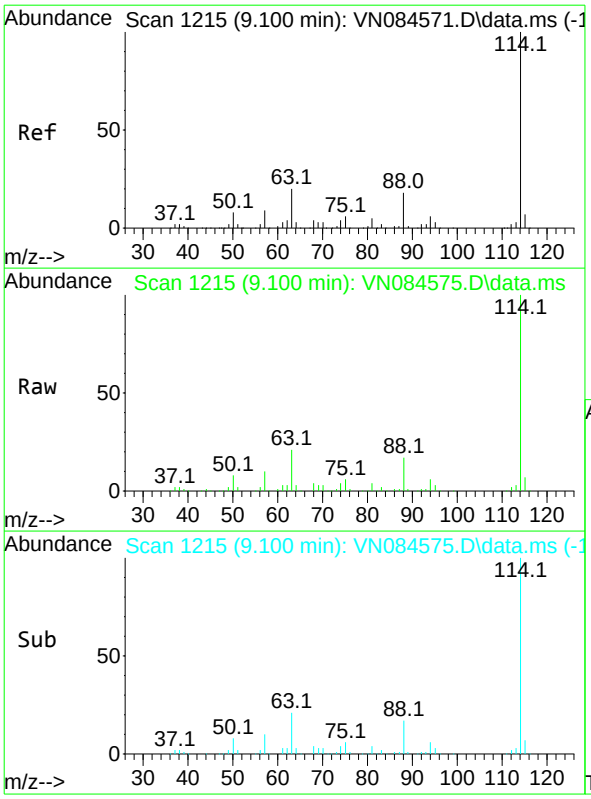


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 8.58 min

Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 65

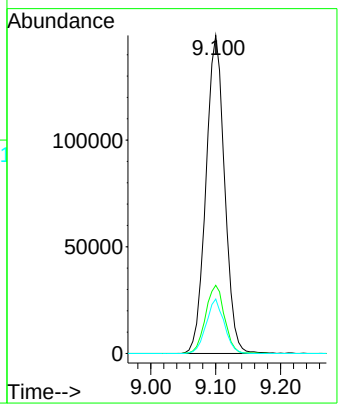
Sig	Exp Ratio
65	100
67	51.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:114 Resp: 297772

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.8
88	17.1	0.0	31.6



Instrument :
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ClientSampleId :
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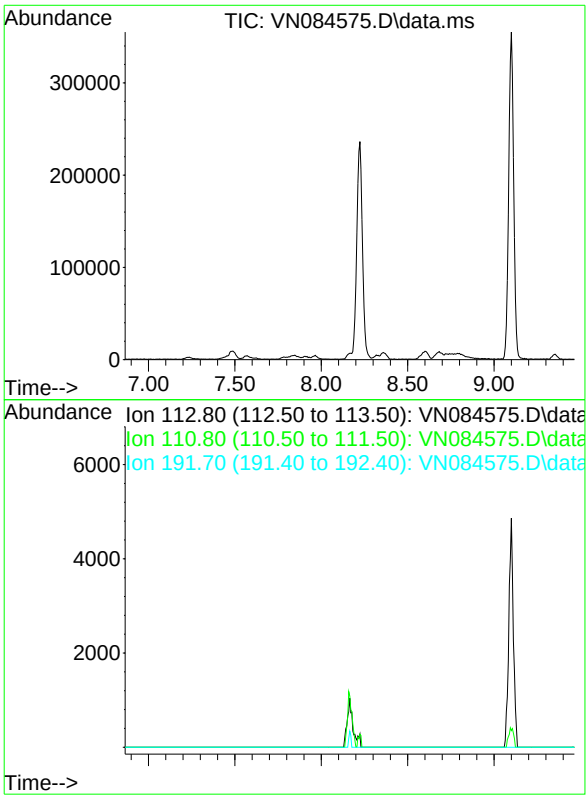
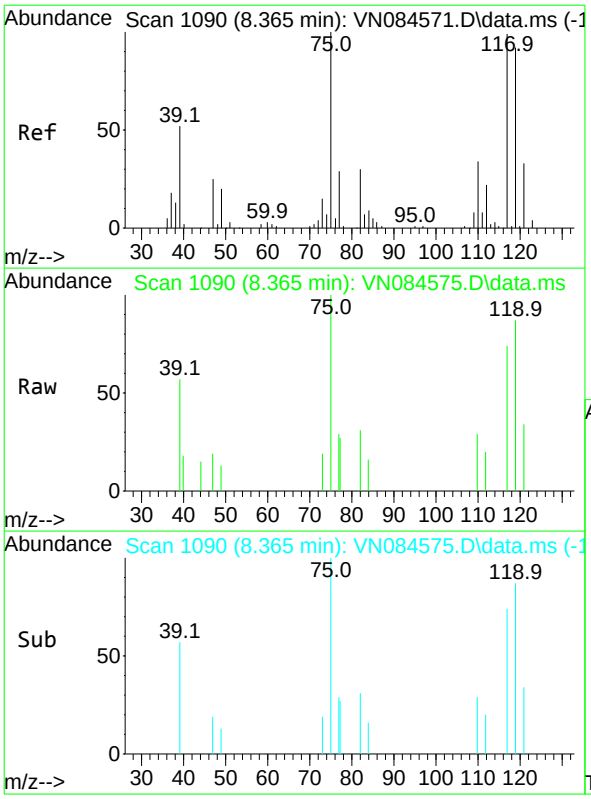


#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 8.16 min

Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 113

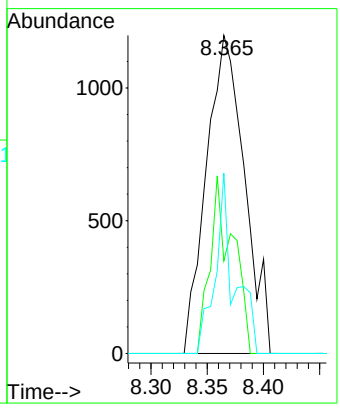
Sig	Exp Ratio
113	100
111	104.1
192	16.9



#36
1,1-Dichloropropene
Concen: 1.011 ug/l
RT: 8.365 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 75 Resp: 2825

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.7
77	28.1	24.7	37.1



Instrument :
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ClientSampleId :
VSTDICC001

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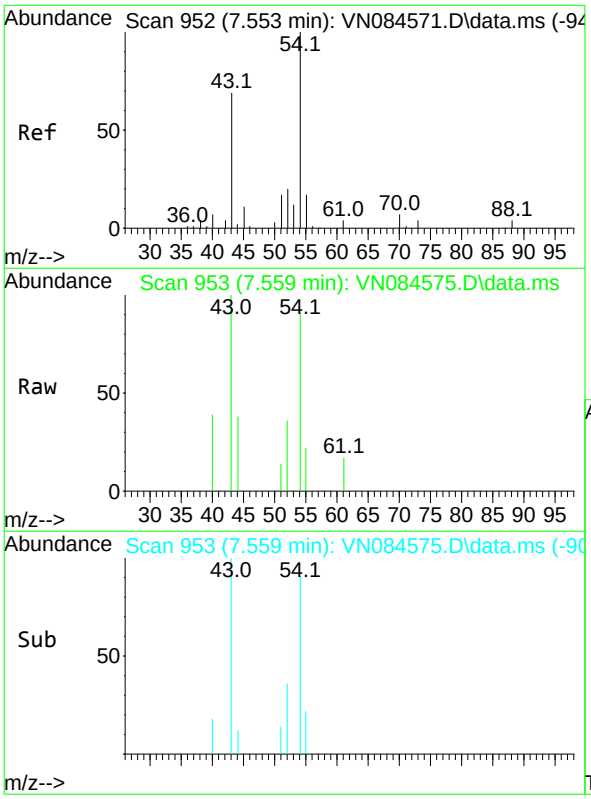
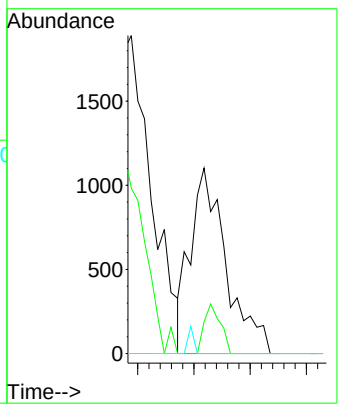
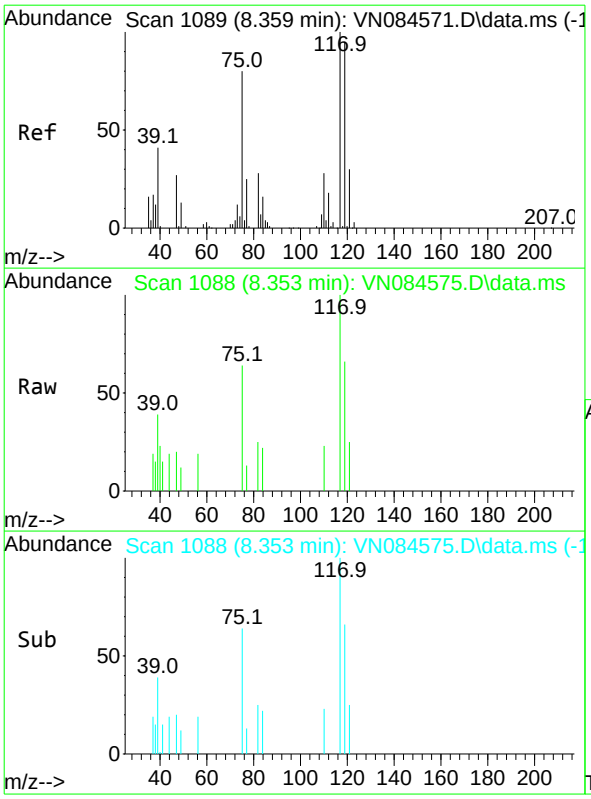


#37
Ethyl Acetate
Concen: 0.962 ug/l
RT: 7.559 min Scan# 953
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 43 Resp: 2440

Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.7	16.1
70	2.3	8.8	13.2#

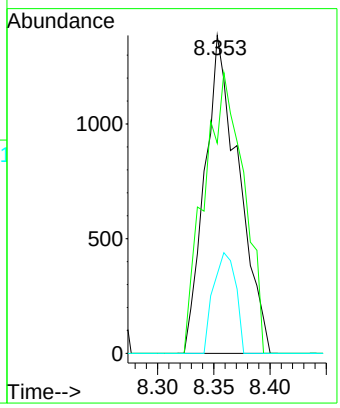




#38
Carbon Tetrachloride
Concen: 0.929 ug/l
RT: 8.353 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:117 Resp: 2904

Ion	Ratio	Lower	Upper
117	100		
119	66.1	78.7	118.1#
121	24.9	24.4	36.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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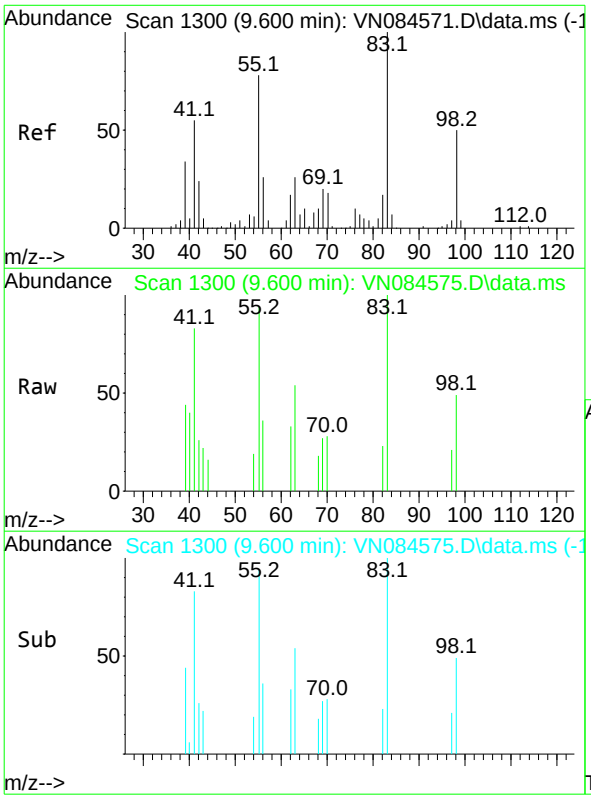
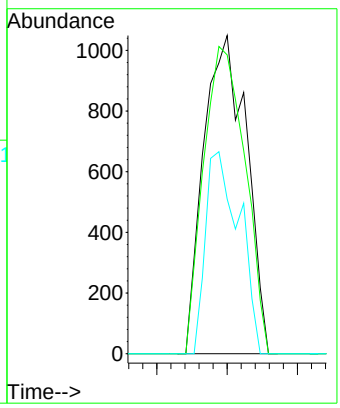
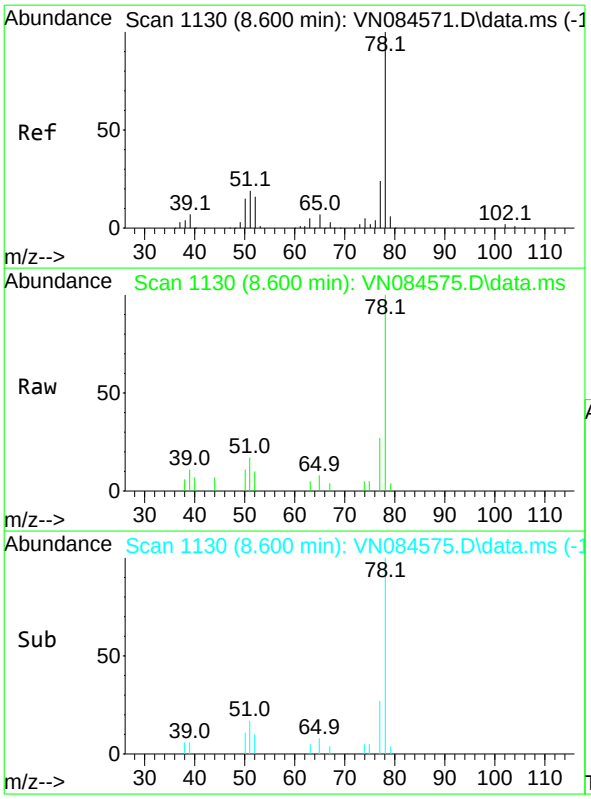


#39
Methylcyclohexane
Concen: 0.778 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 83 Resp: 2212

Ion	Ratio	Lower	Upper
83	100		
55	93.9	62.8	94.2
98	48.6	38.8	58.2

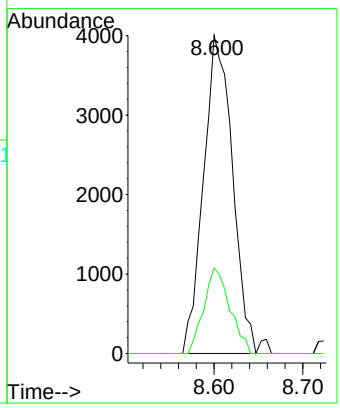




#40
Benzene
Concen: 1.021 ug/l
RT: 8.600 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 78 Resp: 9169

Ion	Ratio	Lower	Upper
78	100		
77	26.9	19.1	28.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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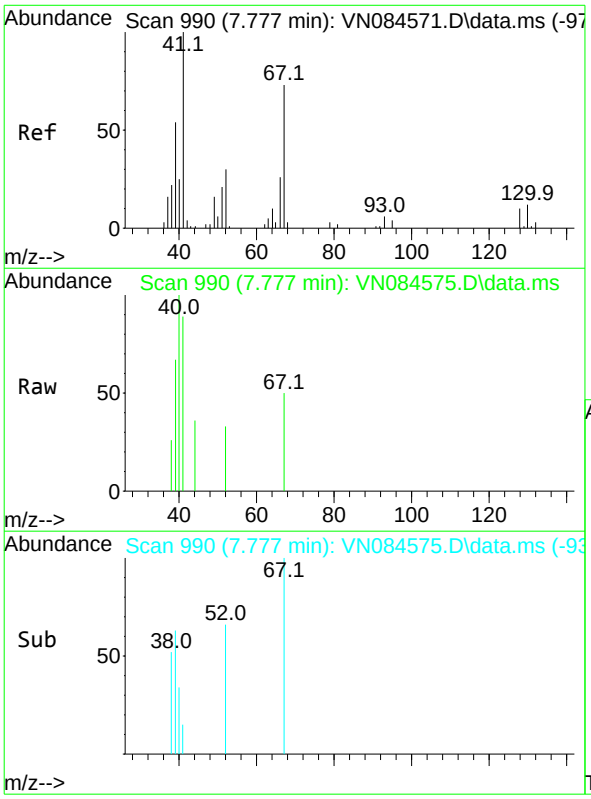
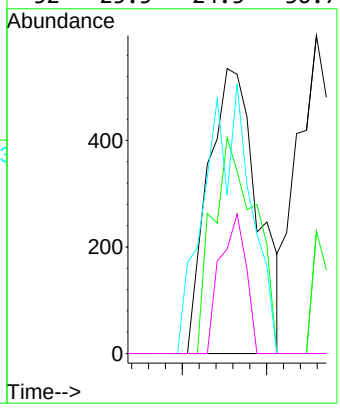
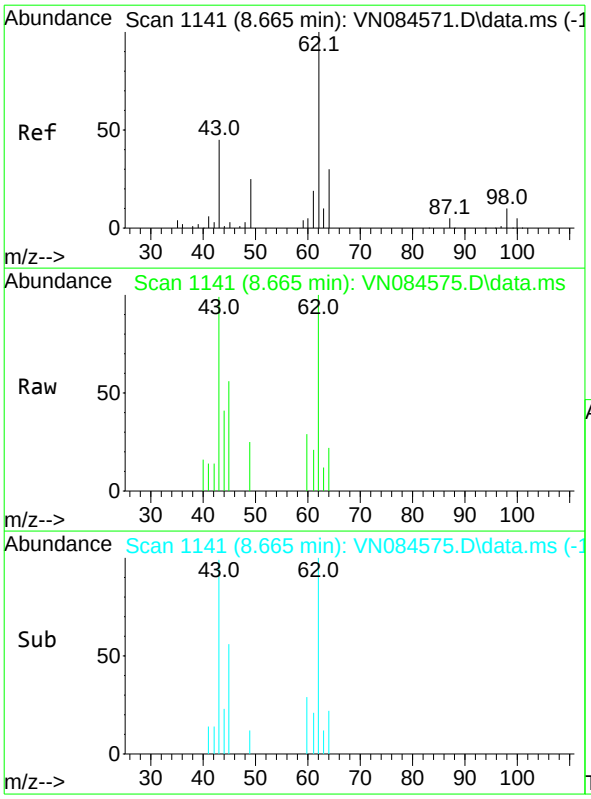


#41
Methacrylonitrile
Concen: 0.803 ug/l
RT: 7.777 min Scan# 990
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 41 Resp: 1095

Ion	Ratio	Lower	Upper
41	100		
39	64.7	43.3	64.9
67	86.7	56.1	84.1#
52	25.5	24.5	36.7

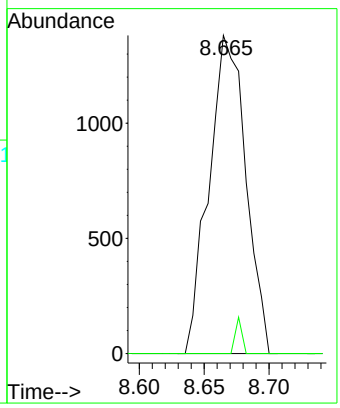




#42
1,2-Dichloroethane
Concen: 0.940 ug/l
RT: 8.665 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 62 Resp: 2733

Ion	Ratio	Lower	Upper
62	100		
98	2.0	0.0	18.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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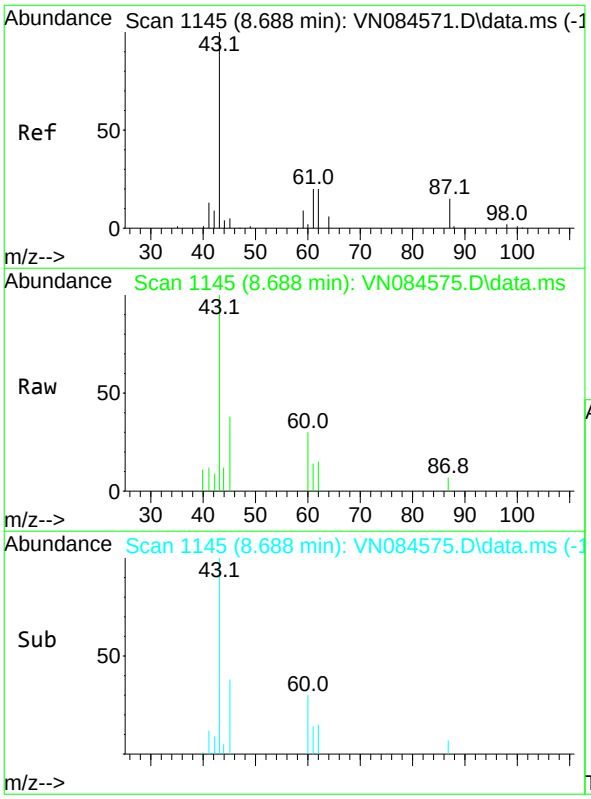
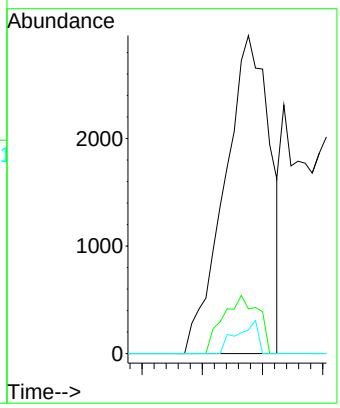
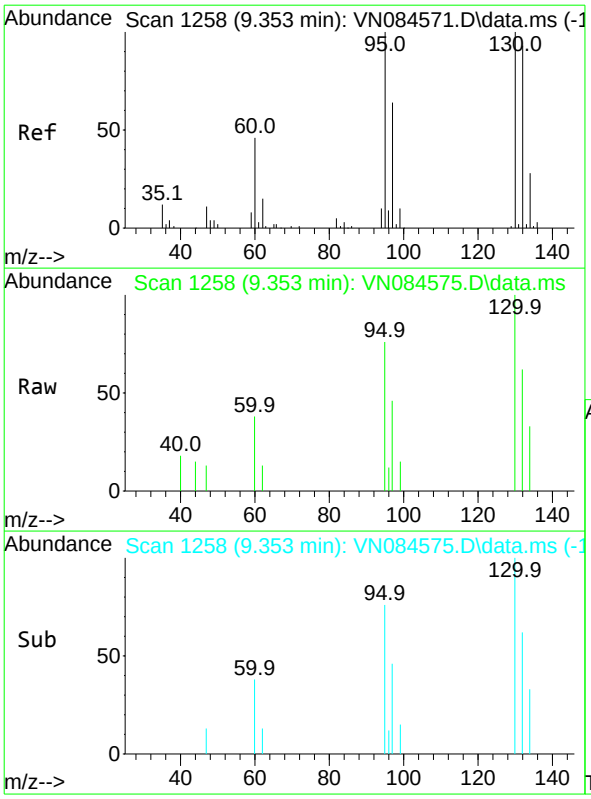


#43
Isopropyl Acetate
Concen: 0.697 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 43 Resp: 7724

Ion	Ratio	Lower	Upper
43	100		
61	14.3	20.4	30.6#
87	4.9	10.3	15.5#

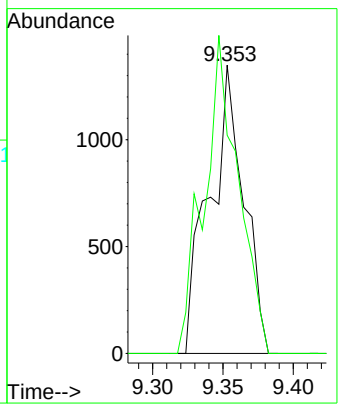




#44
Trichloroethene
Concen: 1.114 ug/l
RT: 9.353 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:130 Resp: 2306

Ion	Ratio	Lower	Upper
130	100		
95	75.7	0.0	203.0



Instrument :
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ClientSampleId :
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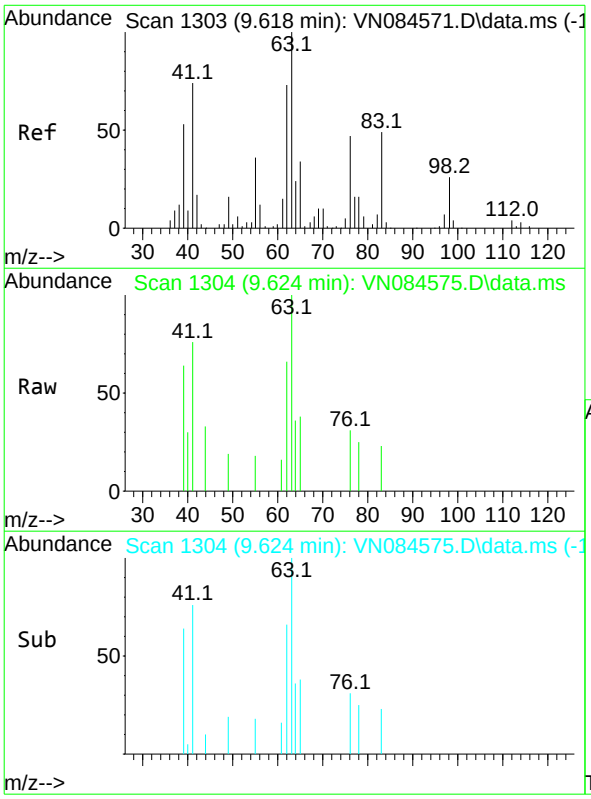
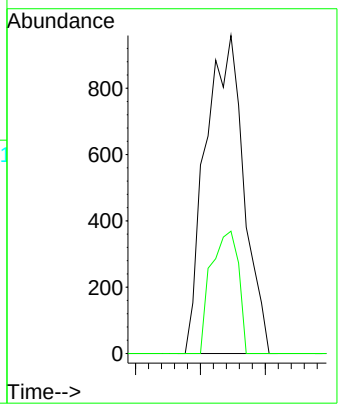
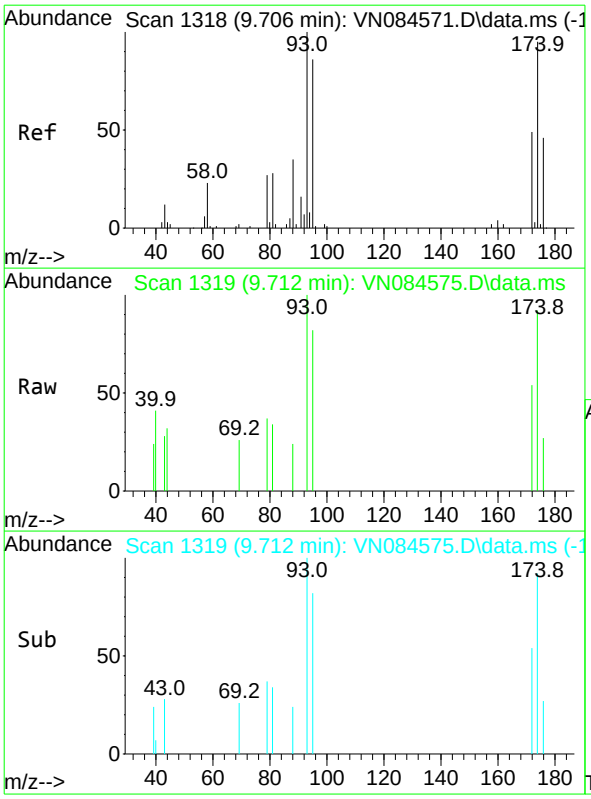


#45
1,2-Dichloropropane
Concen: 0.934 ug/l
RT: 9.624 min Scan# 1304
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 63 Resp: 1967

Ion	Ratio	Lower	Upper
63	100		
65	38.5	24.6	37.0#

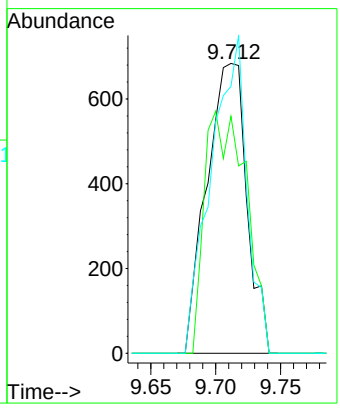




#46
Dibromomethane
Concen: 0.991 ug/l
RT: 9.712 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 93 Resp: 1472

Ion	Ratio	Lower	Upper
93	100		
95	86.6	65.0	97.4
174	97.5	71.8	107.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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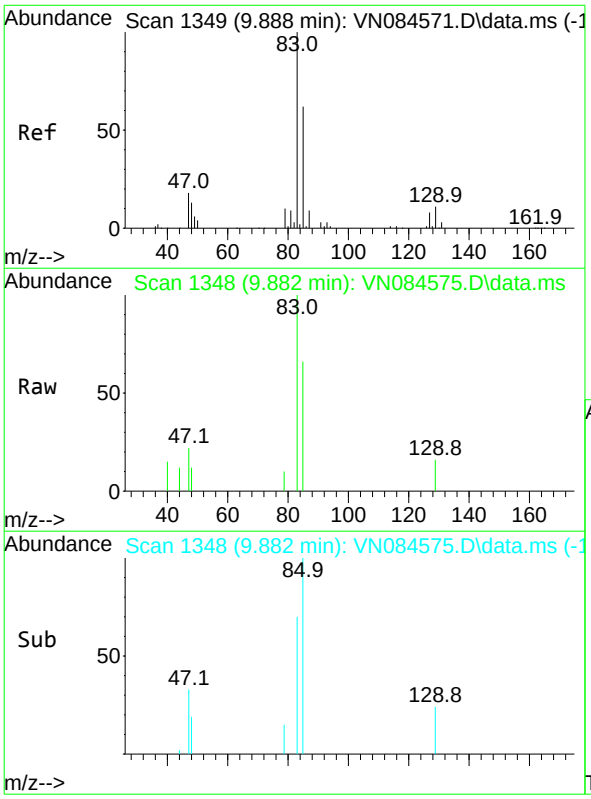
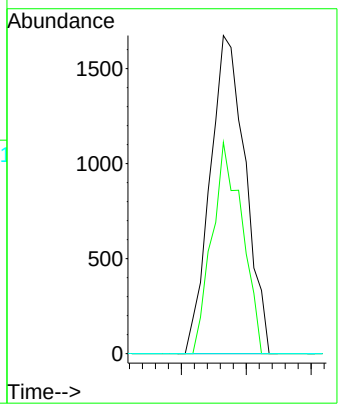
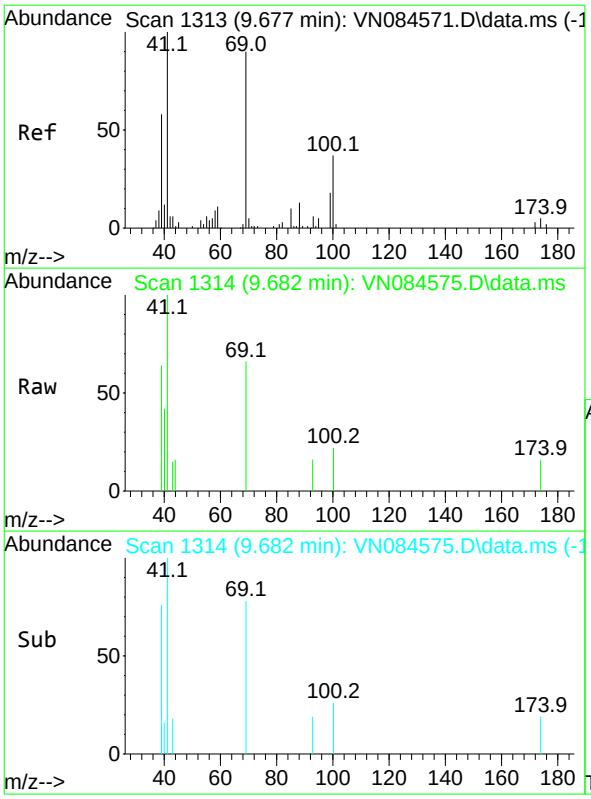


#47
Bromodichloromethane
Concen: 1.008 ug/l
RT: 9.882 min Scan# 1348
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 83 Resp: 3156

Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.5	77.3
127	0.0	5.7	8.5#

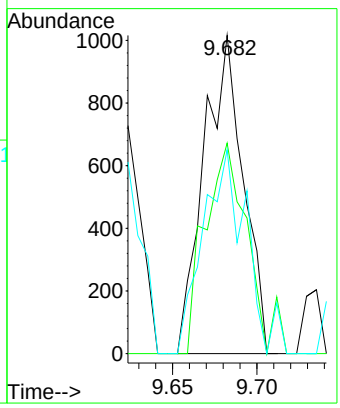




#48
Methyl methacrylate
Concen: 0.837 ug/l
RT: 9.682 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 41 Resp: 1652

Ion	Ratio	Lower	Upper
41	100		
69	71.3	67.1	100.7
39	70.6	45.8	68.6#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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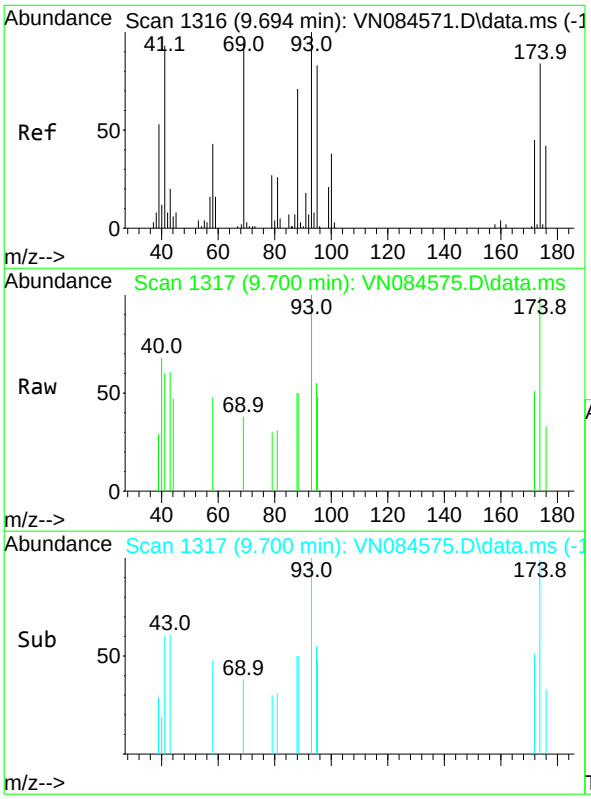
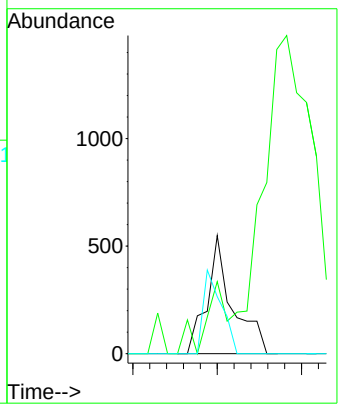
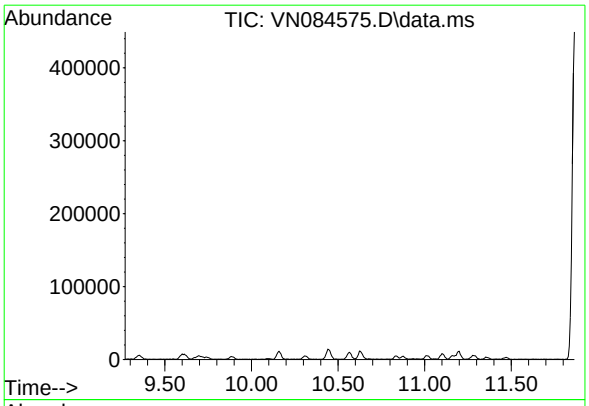


#49
1,4-Dioxane
Concen: 16.468 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 88 Resp: 576

Ion	Ratio	Lower	Upper
88	100		
43	49.8	25.3	37.9#
58	50.7	56.4	84.6#





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.57 min

Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 98

Sig	Exp Ratio
98	100
100	65.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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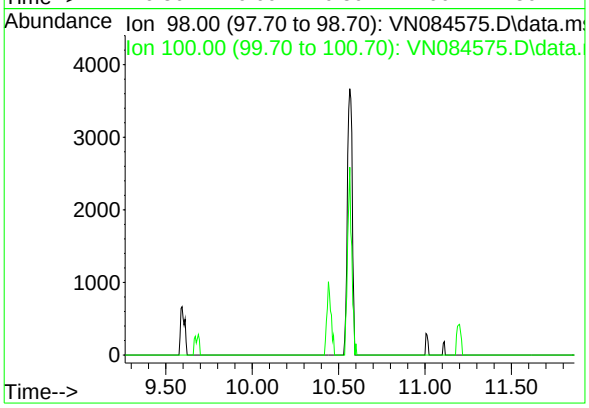
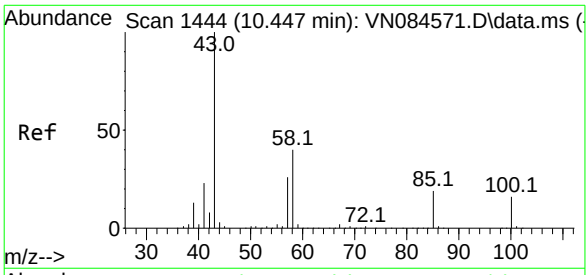
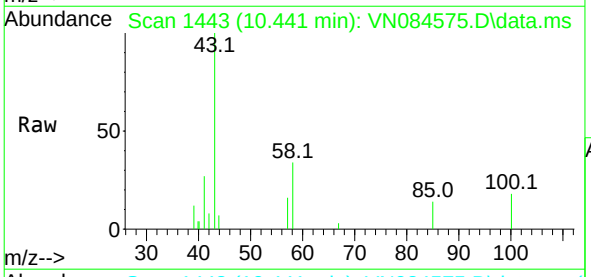


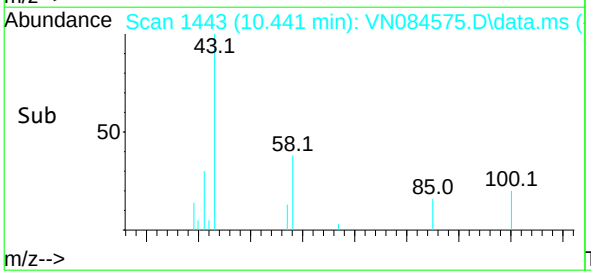


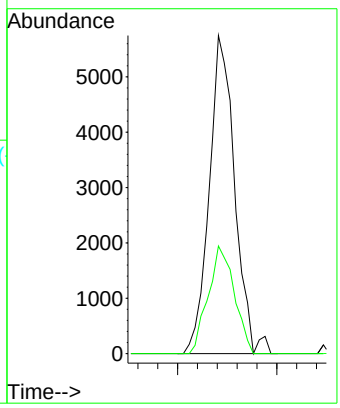
#51
4-Methyl-2-Pentanone
Concen: 4.234 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

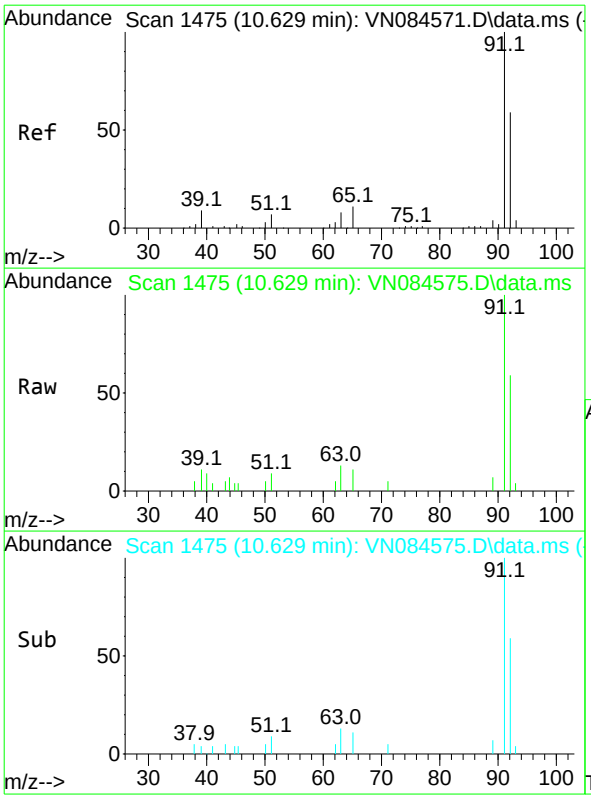
Tgt Ion: 43 Resp: 10237

Ion	Ratio	Lower	Upper
43	100		
58	34.7	31.6	47.4





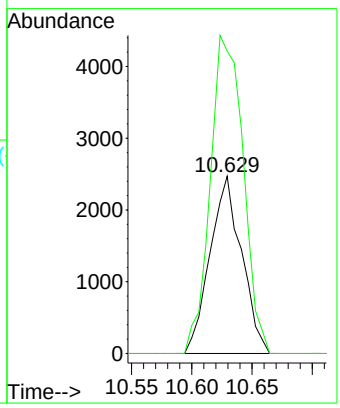




#52
Toluene
Concen: 0.858 ug/l
RT: 10.629 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 92 Resp: 4507

Ion	Ratio	Lower	Upper
92	100		
91	187.2	137.3	205.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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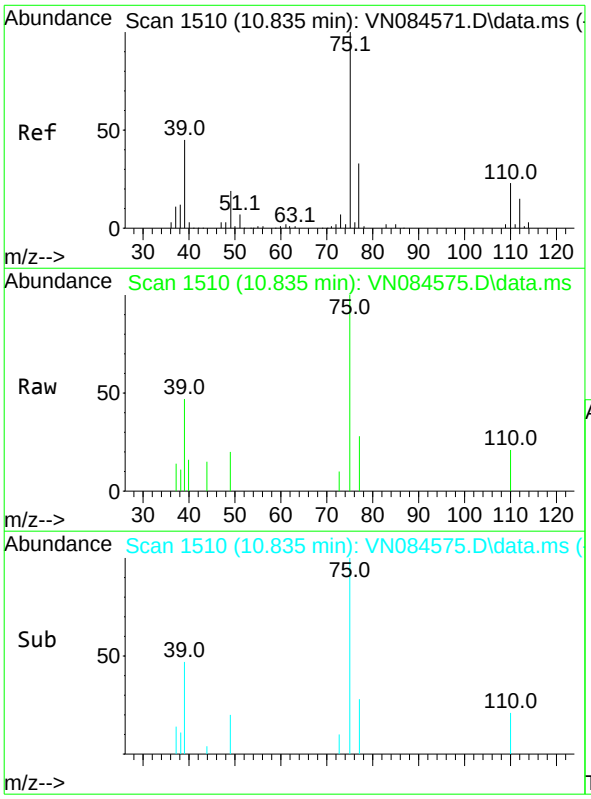
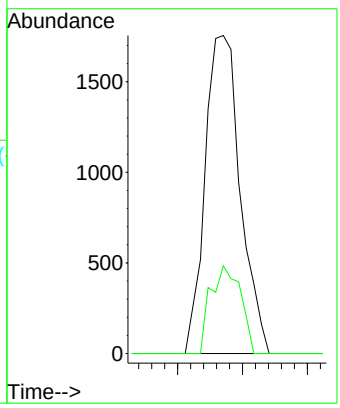
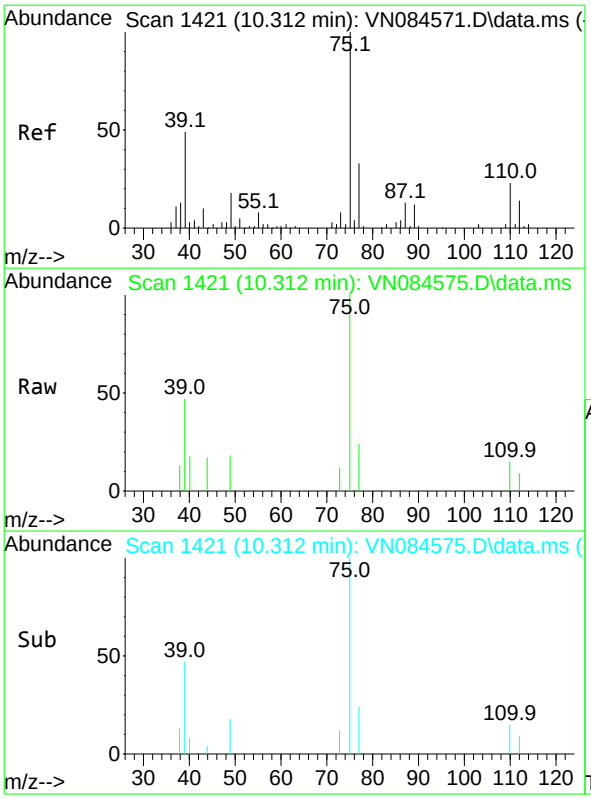


#53
t-1,3-Dichloropropene
Concen: 1.020 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 75 Resp: 3308

Ion	Ratio	Lower	Upper
75	100		
77	27.6	25.4	38.0

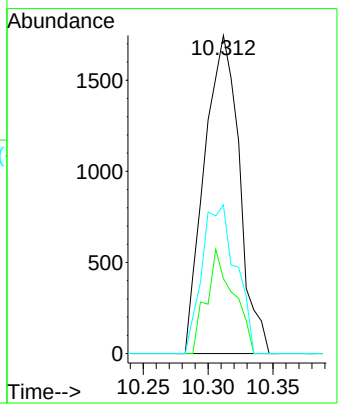




#54
cis-1,3-Dichloropropene
Concen: 0.952 ug/l
RT: 10.312 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 75 Resp: 3266

Ion	Ratio	Lower	Upper
75	100		
77	23.6	24.2	36.2#
39	46.7	38.7	58.1



Instrument :
MSVOA_N
ClientSampleId :
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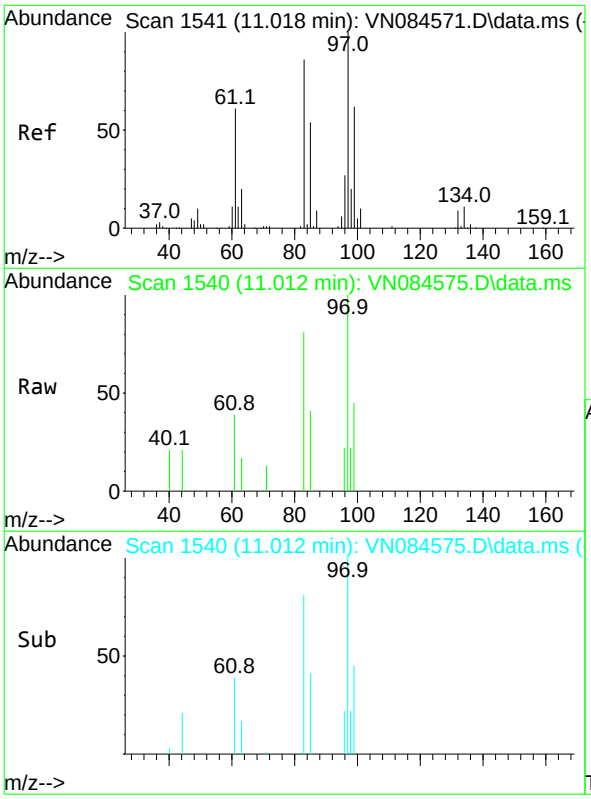
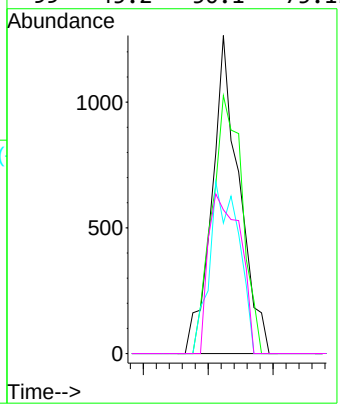
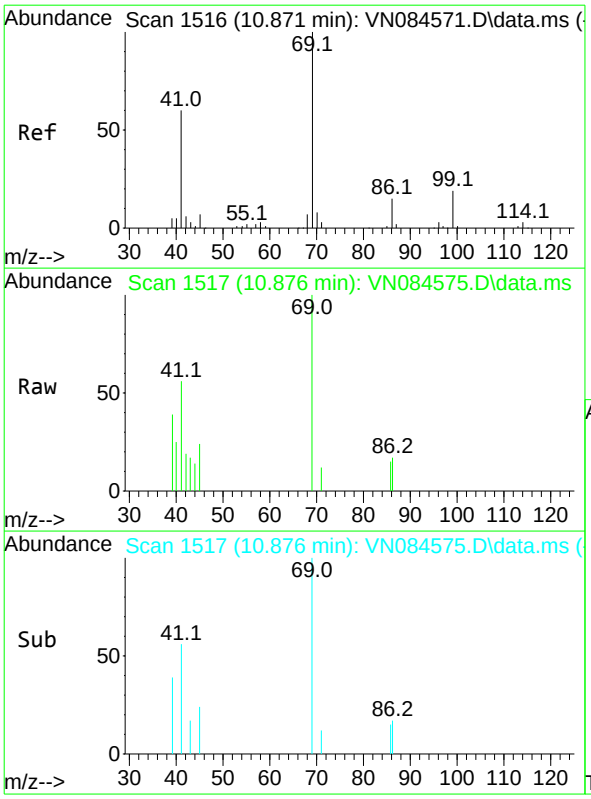


#55
1,1,2-Trichloroethane
Concen: 0.931 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 97 Resp: 1841

Ion	Ratio	Lower	Upper
97	100		
83	81.1	71.0	106.4
85	41.0	41.7	62.5#
99	45.2	50.1	75.1#

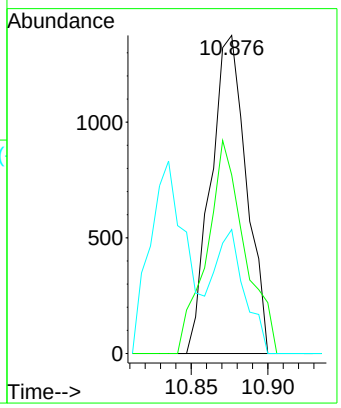




#56
Ethyl methacrylate
Concen: 0.773 ug/l
RT: 10.876 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 69 Resp: 2211

Ion	Ratio	Lower	Upper
69	100		
41	71.6	53.3	79.9
39	32.3	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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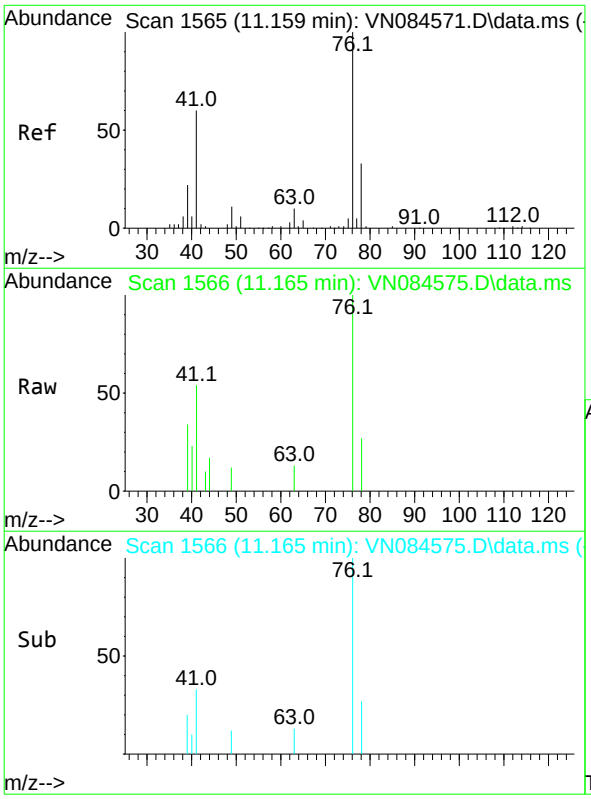
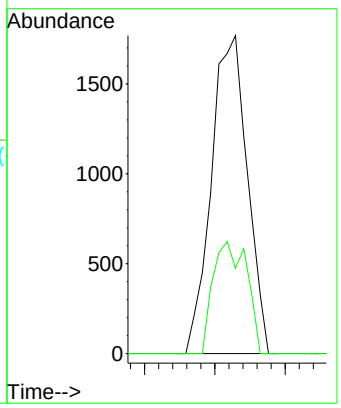
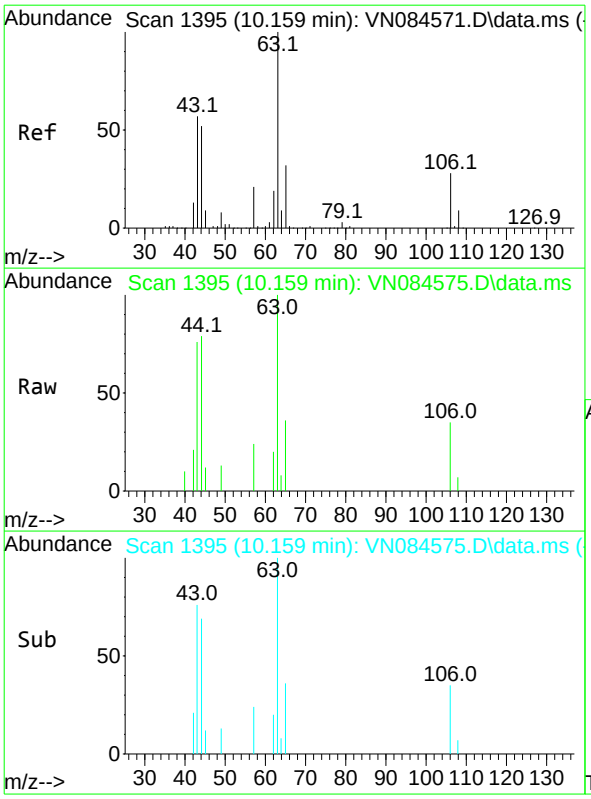


#57
1,3-Dichloropropane
Concen: 0.925 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 76 Resp: 3139

Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.8	38.6





#58
2-Chloroethyl Vinyl ether
Concen: 3.720 ug/l
RT: 10.159 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 63 Resp: 4979

Ion	Ratio	Lower	Upper
63	100		
106	34.0	21.8	32.6#

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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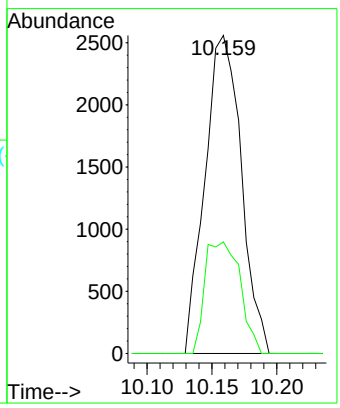
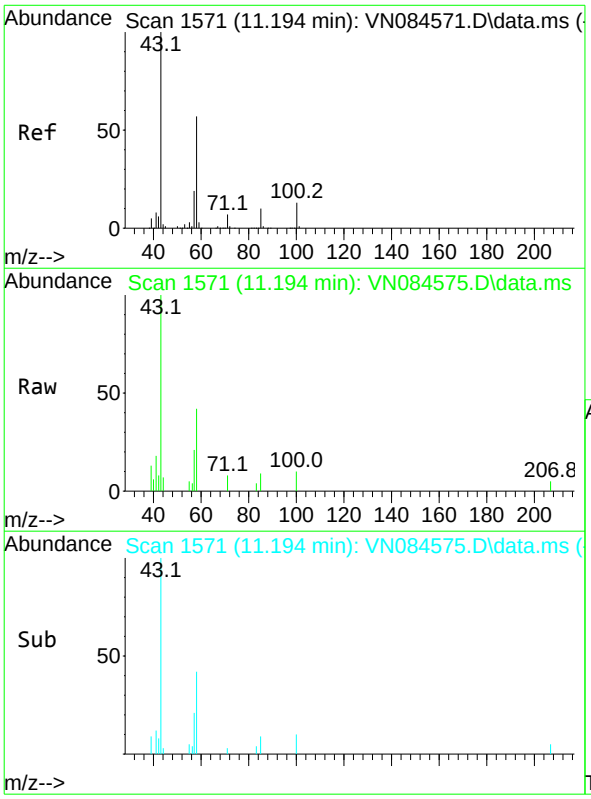
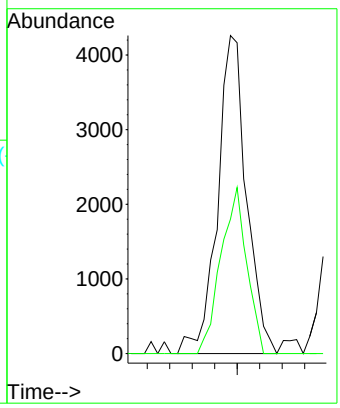


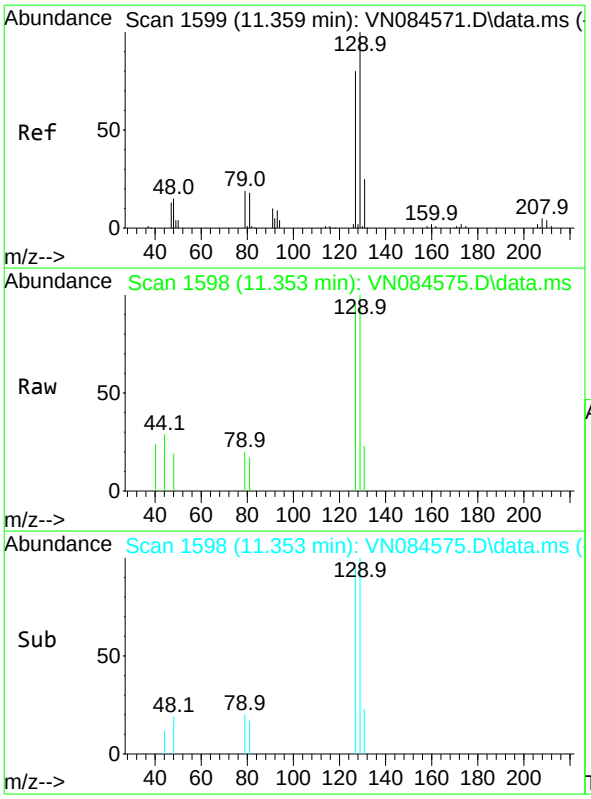


#59
2-Hexanone
Concen: 4.328 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 43 Resp: 7617

Ion	Ratio	Lower	Upper
43	100		
58	46.7	27.3	81.8

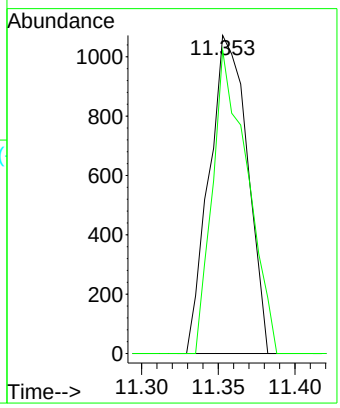




#60
Dibromochloromethane
Concen: 0.824 ug/l
RT: 11.353 min Scan# 15
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:129 Resp: 1857

Ion	Ratio	Lower	Upper
129	100		
127	87.2	38.3	114.9



Instrument :
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ClientSampleId :
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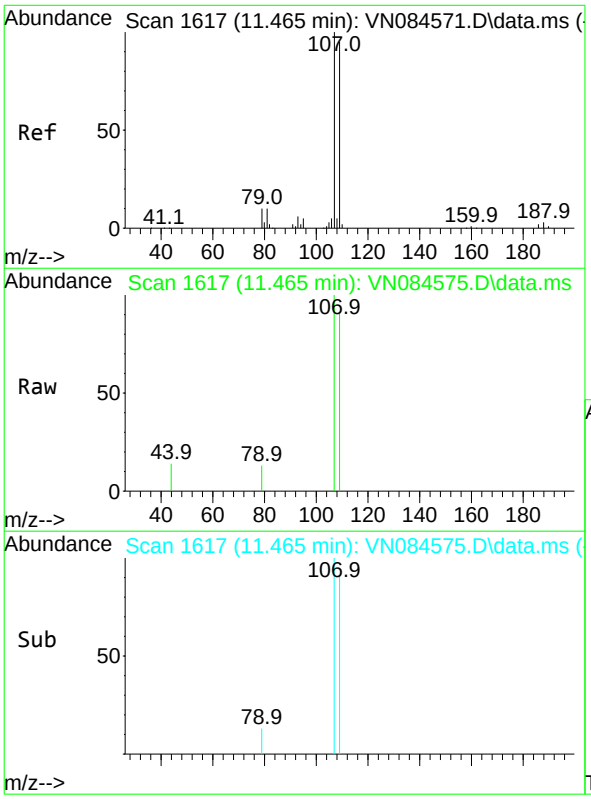
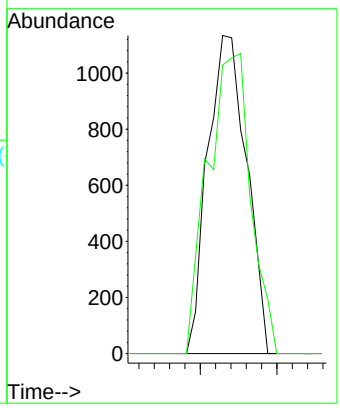
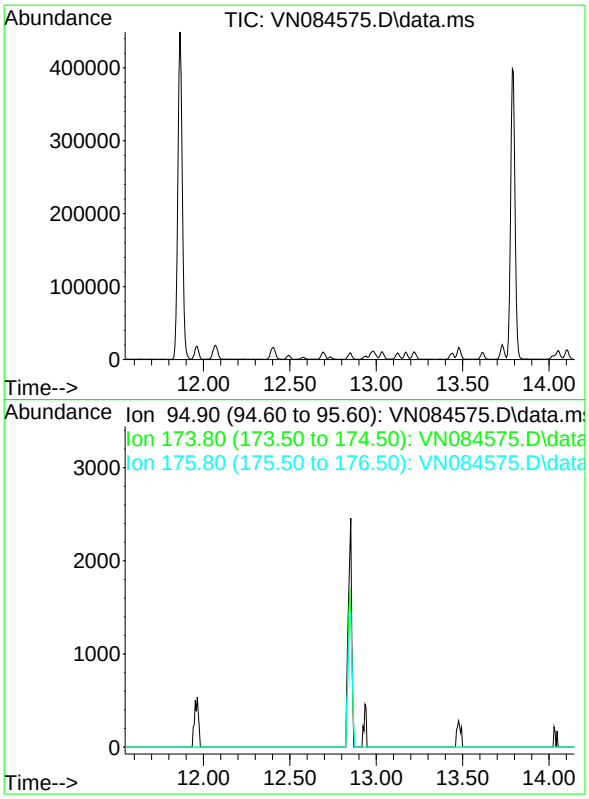


#61
1,2-Dibromoethane
Concen: 0.988 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:107 Resp: 2001

Ion	Ratio	Lower	Upper
107	100		
109	104.4	75.4	113.0





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.85 min

Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 95

Sig	Exp Ratio
95	100
174	72.6
176	70.0

Instrument :
MSVOA_N
ClientSampleId :
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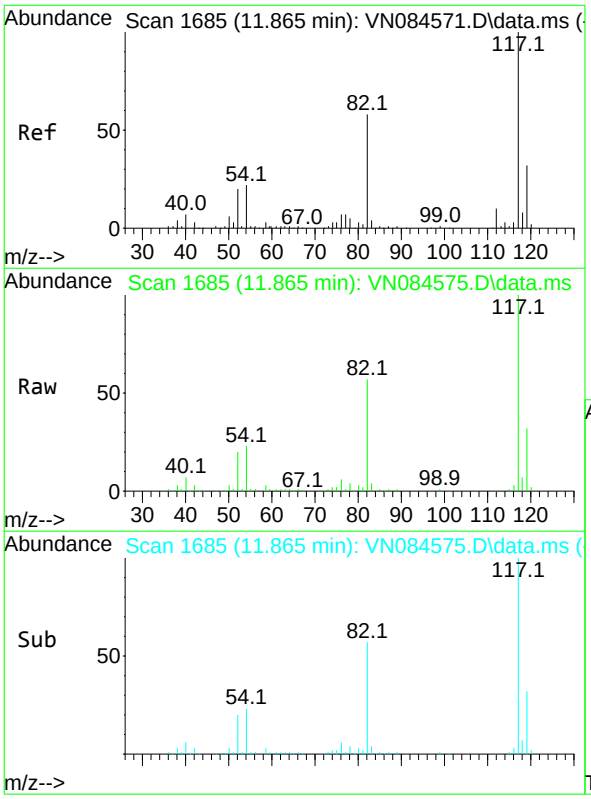
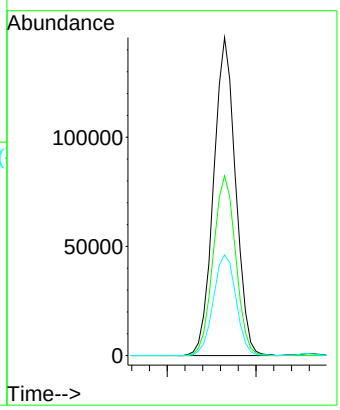
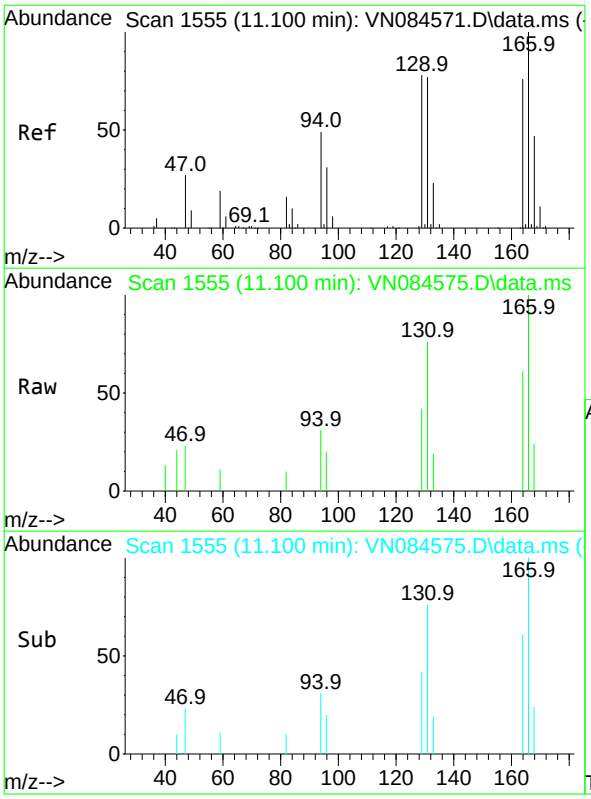


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:117 Resp: 250990

Ion	Ratio	Lower	Upper
117	100		
82	56.5	47.2	70.8
119	31.7	25.4	38.0

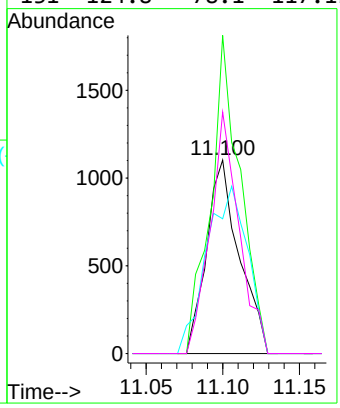




#64
Tetrachloroethene
Concen: 0.976 ug/l
RT: 11.100 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:164 Resp: 1629

Ion	Ratio	Lower	Upper
164	100		
166	164.4	101.0	151.4#
129	69.6	80.8	121.2#
131	124.8	78.1	117.1#



Instrument :
MSVOA_N
ClientSampleId :
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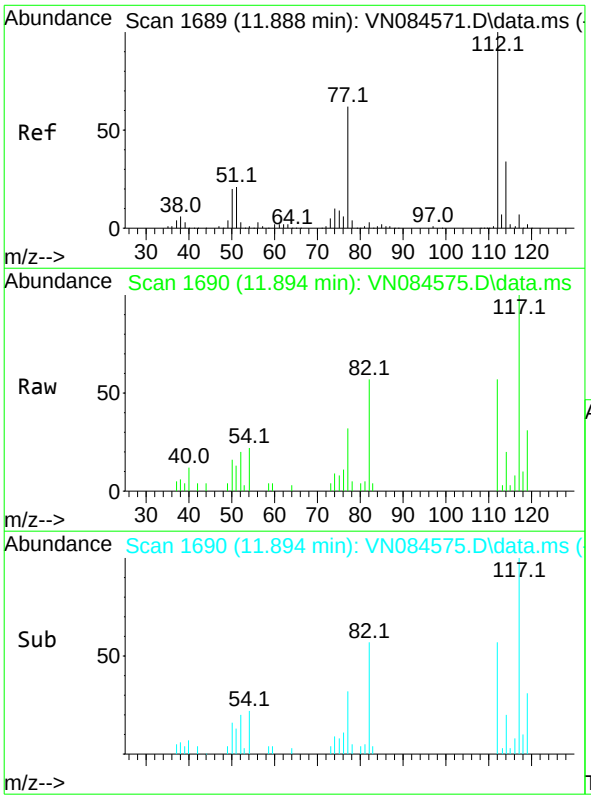
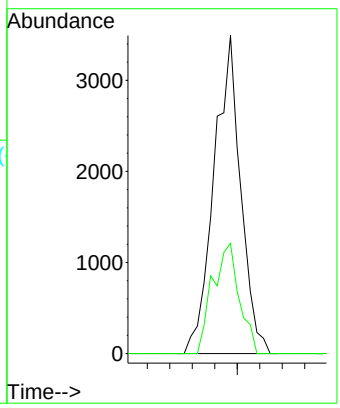
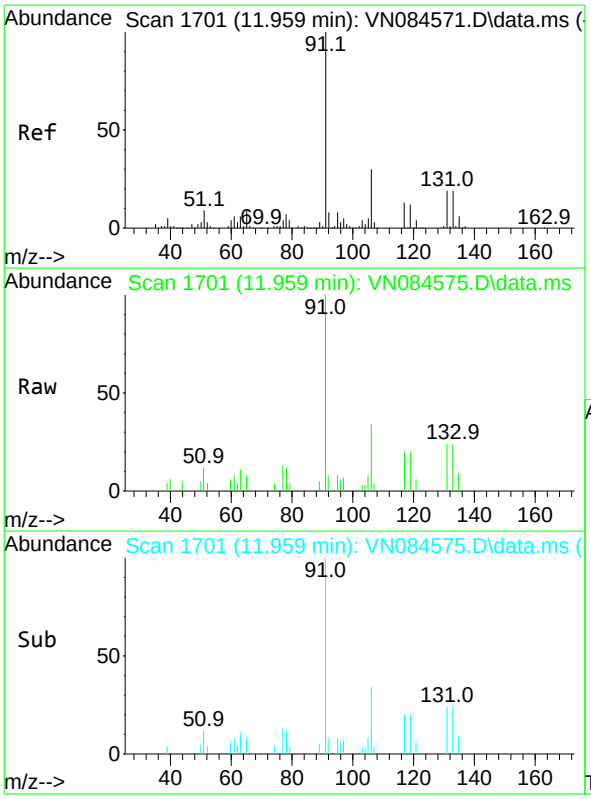


#65
Chlorobenzene
Concen: 1.025 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:112 Resp: 5753

Ion	Ratio	Lower	Upper
112	100		
114	34.7	27.0	40.6

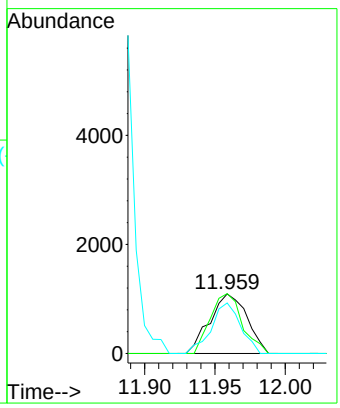




#66
1,1,1,2-Tetrachloroethane
Concen: 1.025 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:131 Resp: 2002

Ion	Ratio	Lower	Upper
131	100		
133	86.7	47.9	143.7
119	0.0	32.8	98.3#



Instrument :
MSVOA_N
ClientSampleId :
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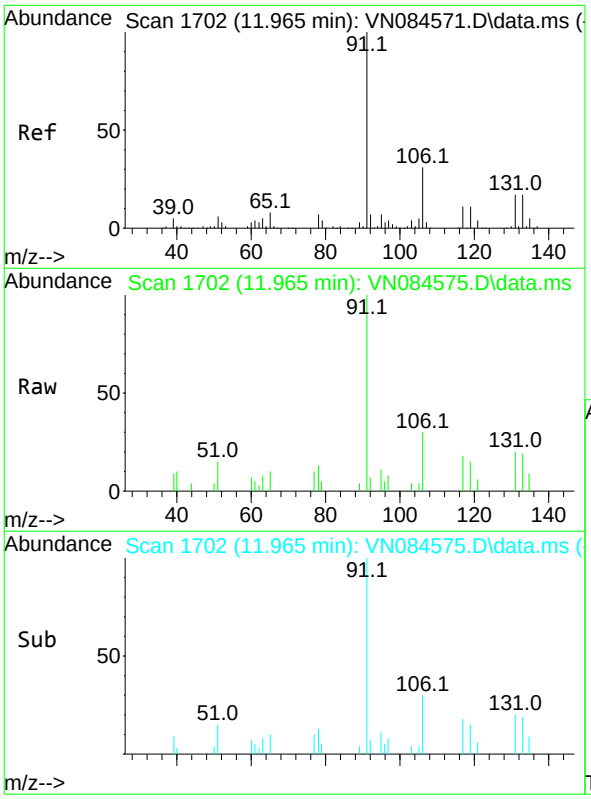
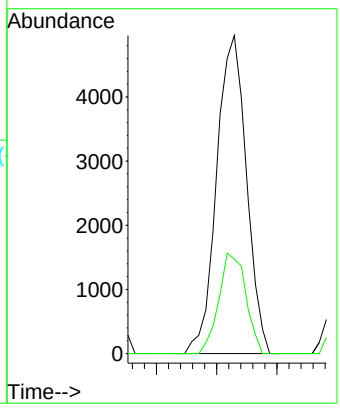
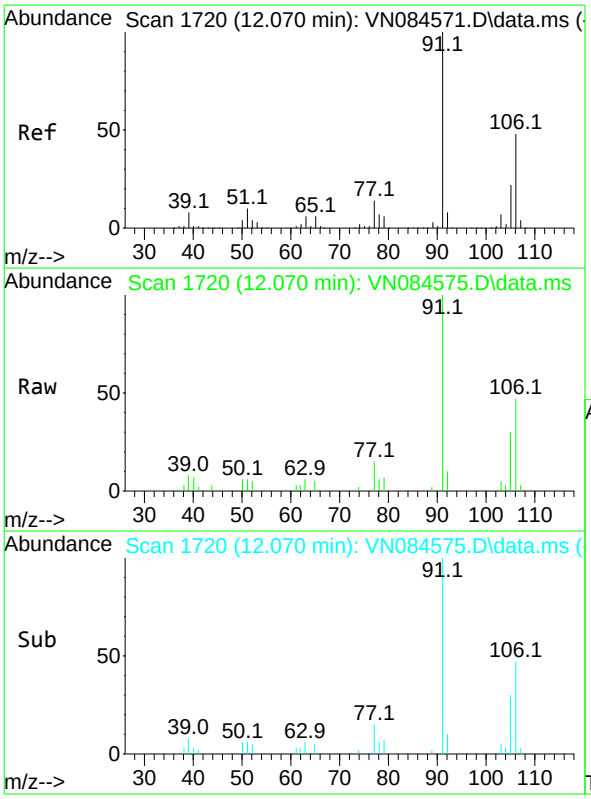


#67
Ethyl Benzene
Concen: 0.909 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 91 Resp: 8520

Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.5	36.7

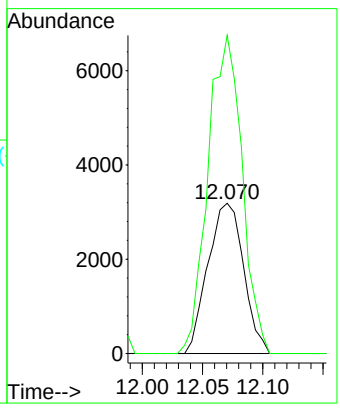




#68
m/p-Xylenes
Concen: 1.851 ug/l
RT: 12.070 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:106 Resp: 6568

Ion	Ratio	Lower	Upper
106	100		
91	202.9	167.1	250.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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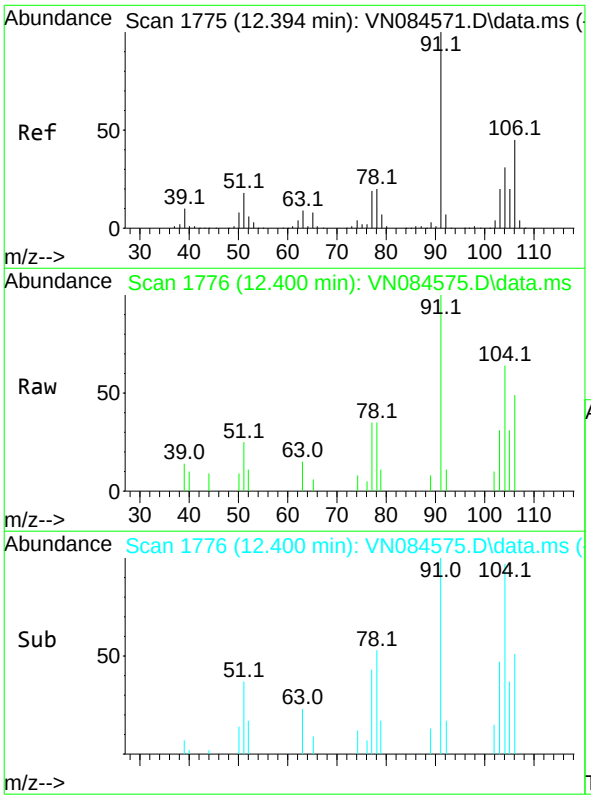
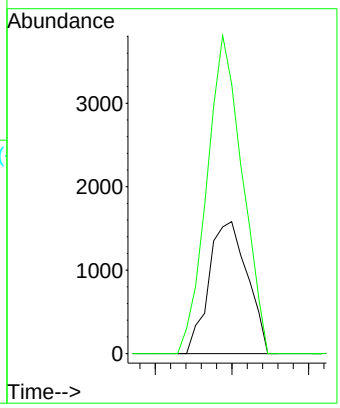
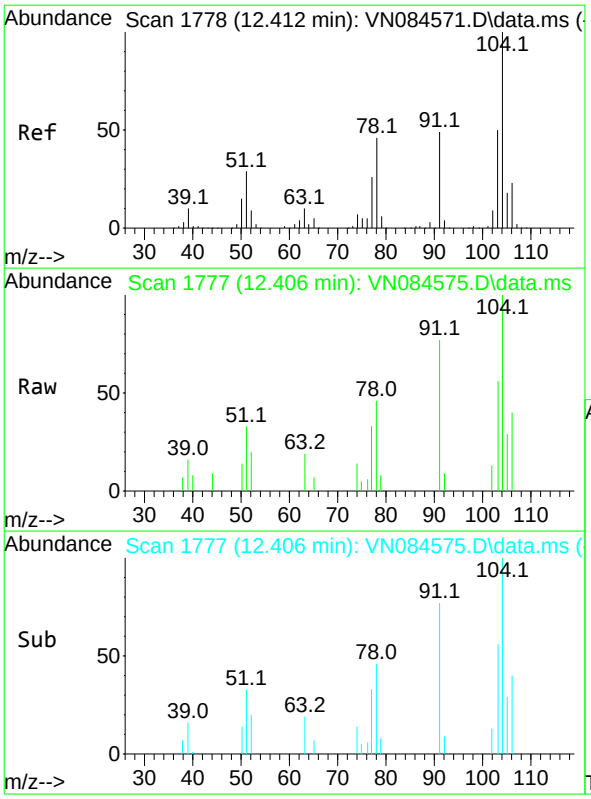


#69
o-Xylene
Concen: 0.831 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:106 Resp: 2759

Ion	Ratio	Lower	Upper
106	100		
91	221.6	110.2	330.6

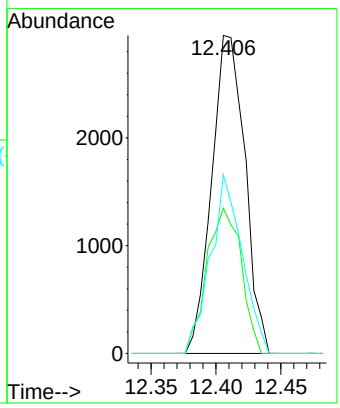




#70
Styrene
Concen: 0.910 ug/l
RT: 12.406 min Scan# 17
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:104 Resp: 5269

Ion	Ratio	Lower	Upper
104	100		
78	47.3	42.7	64.1
103	53.6	43.6	65.4



Instrument :
MSVOA_N
ClientSampleId :
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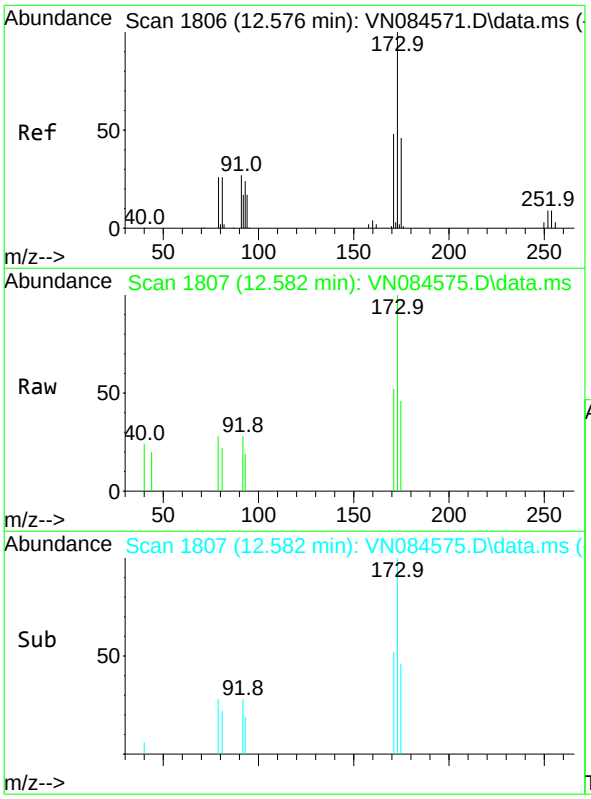
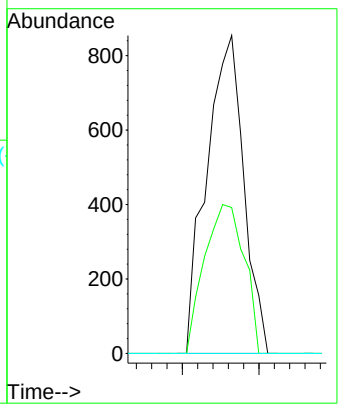
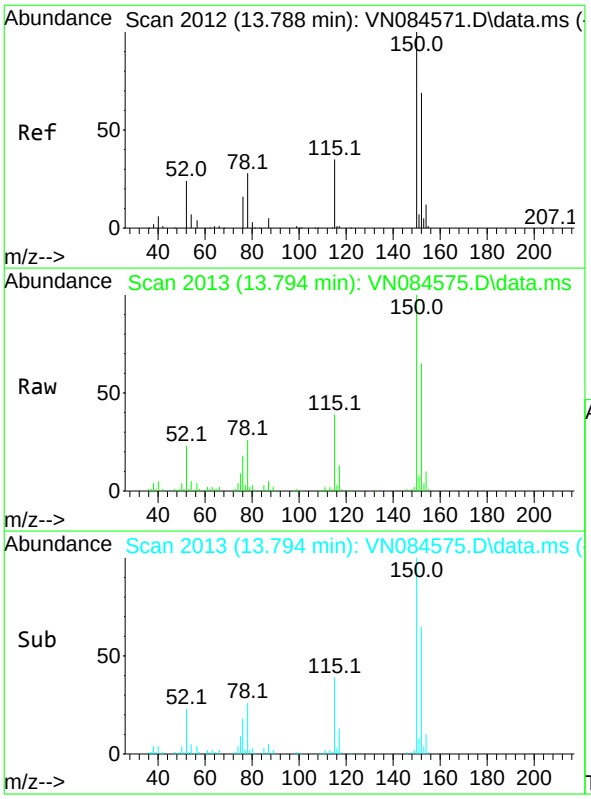


#71
Bromoform
Concen: 0.976 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:173 Resp: 1434

Ion	Ratio	Lower	Upper
173	100		
175	50.3	23.5	70.6
254	0.0	0.0	0.0

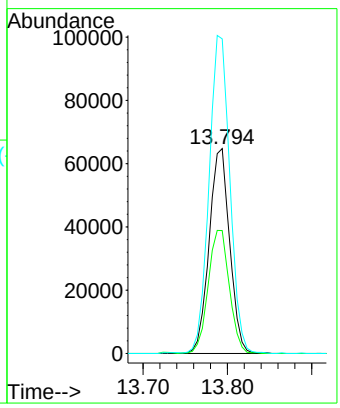




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:152 Resp: 109560

Ion	Ratio	Lower	Upper
152	100		
115	61.9	31.3	93.9
150	157.6	0.0	349.8



Instrument :
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ClientSampleId :
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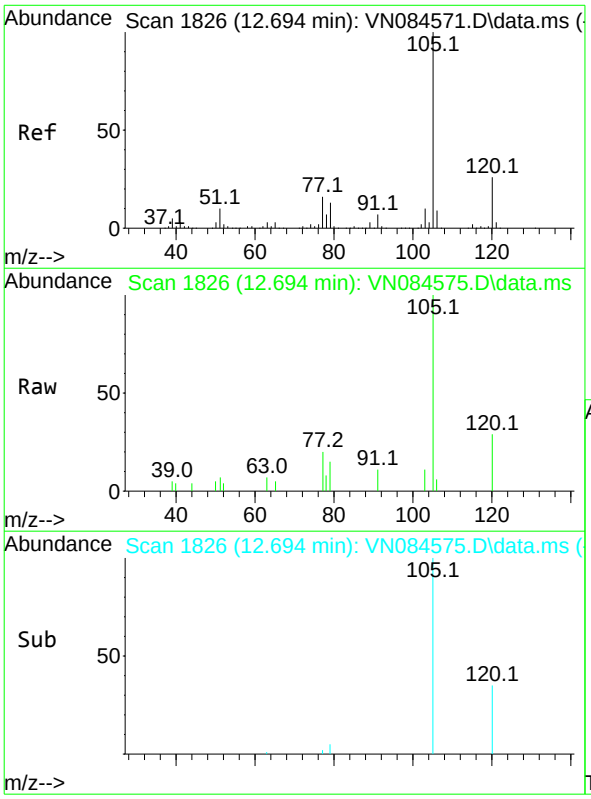
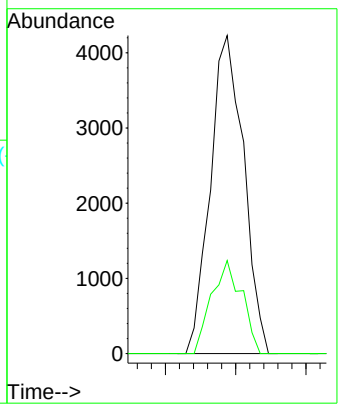
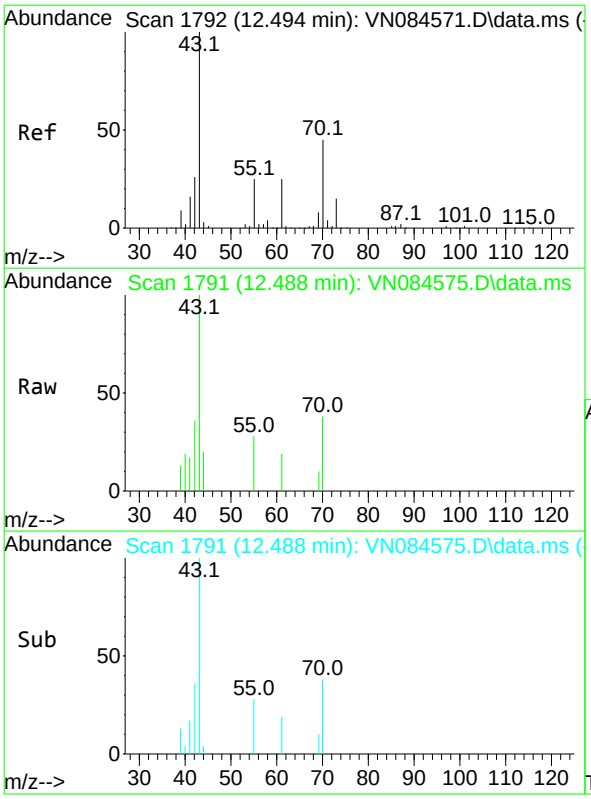


#73
Isopropylbenzene
Concen: 0.910 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:105 Resp: 6985

Ion	Ratio	Lower	Upper
105	100		
120	26.5	12.9	38.7

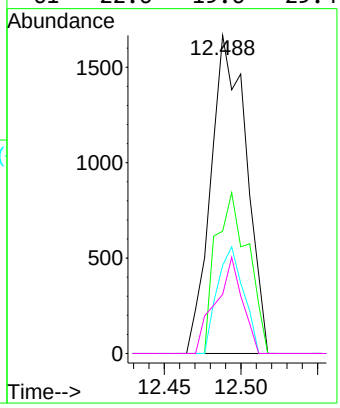




#74
N-amyl acetate
Concen: 0.820 ug/l
RT: 12.488 min Scan# 17
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 43 Resp: 2680

Ion	Ratio	Lower	Upper
43	100		
70	45.9	34.4	51.6
55	24.7	19.6	29.4
61	22.6	19.6	29.4



Instrument :
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ClientSampleId :
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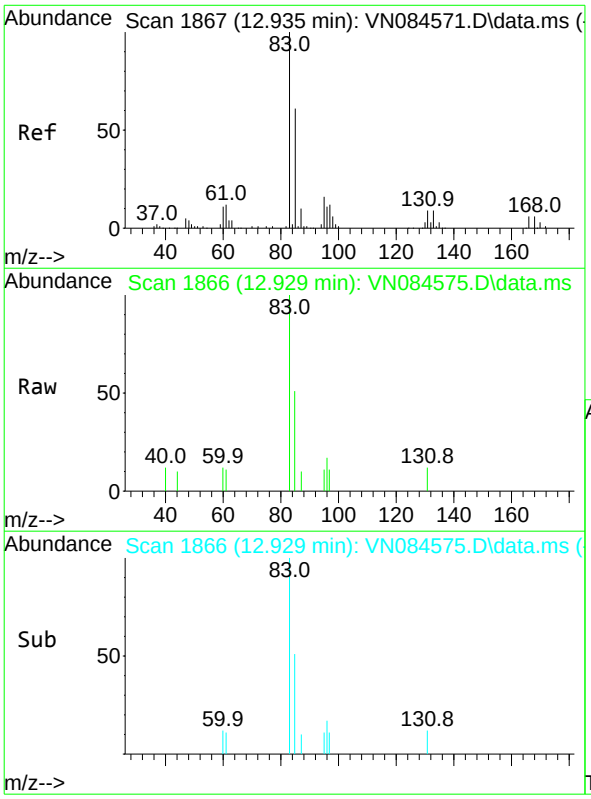
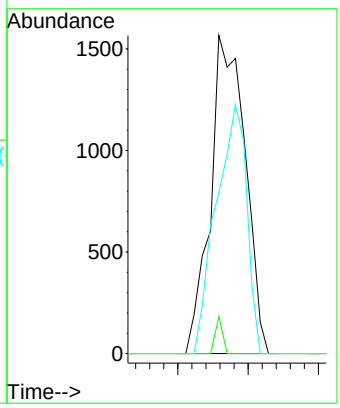
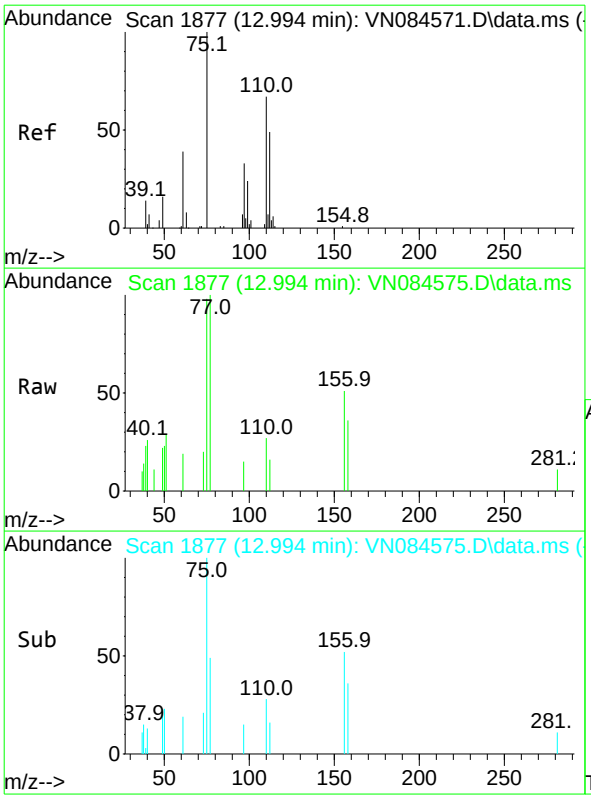


#75
1,1,2,2-Tetrachloroethane
Concen: 1.045 ug/l
RT: 12.929 min Scan# 1866
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 83 Resp: 2678

Ion	Ratio	Lower	Upper
83	100		
131	2.4	4.9	14.7#
85	69.2	31.9	95.7

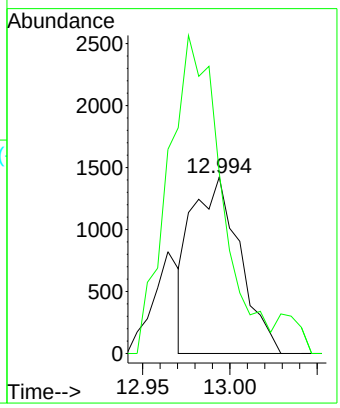




#76
1,2,3-Trichloropropane
Concen: 1.263 ug/l m
RT: 12.994 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 75 Resp: 2731

Ion	Ratio	Lower	Upper
75	100		
77	199.6	96.9	290.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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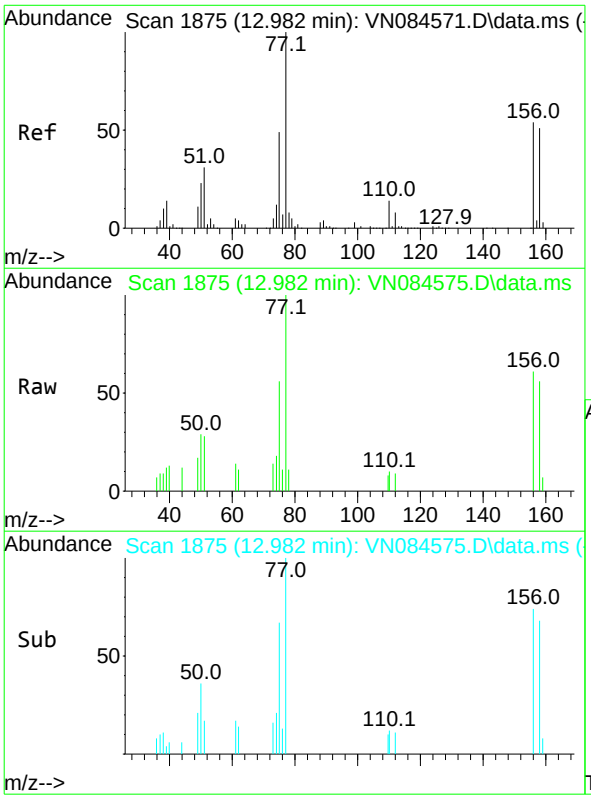
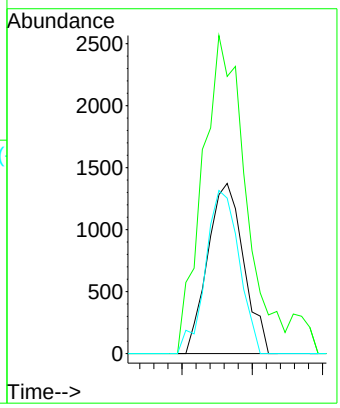
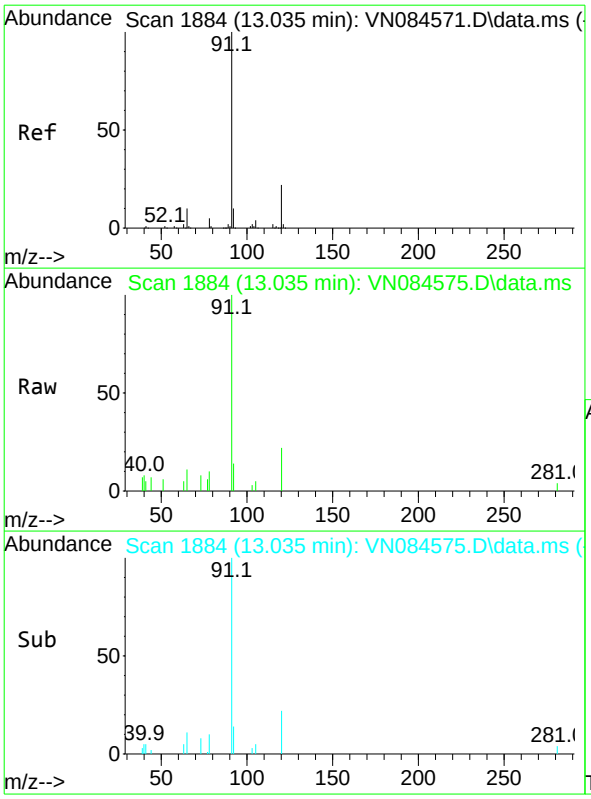


#77
Bromobenzene
Concen: 1.182 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:156 Resp: 2440

Ion	Ratio	Lower	Upper
156	100		
77	223.4	115.1	345.3
158	89.6	48.9	146.8

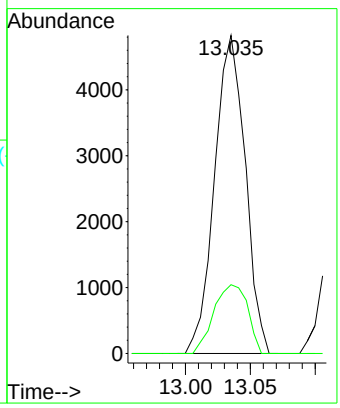




#78
n-propylbenzene
Concen: 0.882 ug/l
RT: 13.035 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 91 Resp: 7935

Ion	Ratio	Lower	Upper
91	100		
120	23.8	10.8	32.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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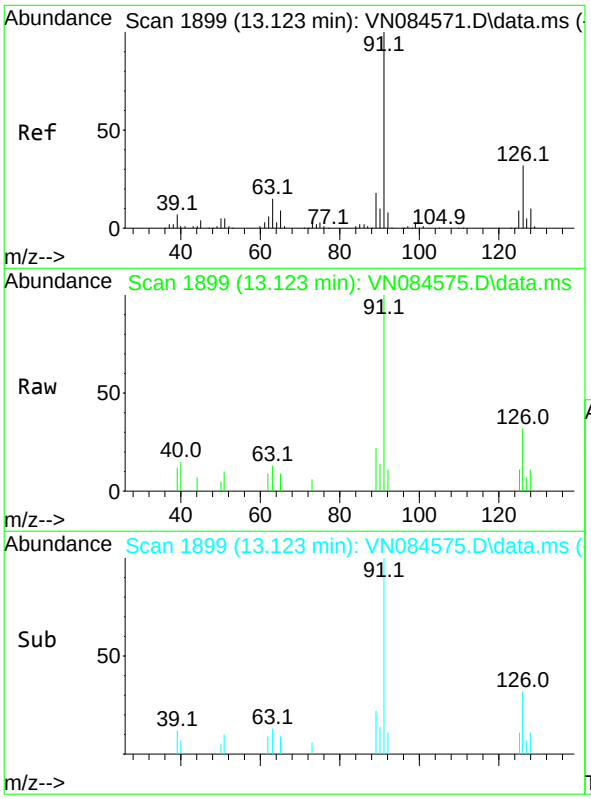
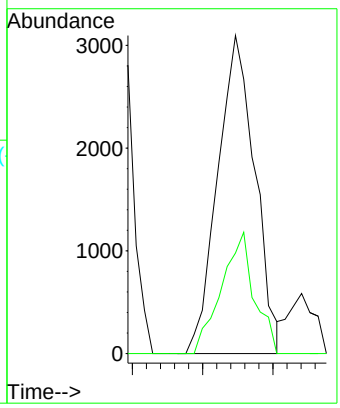
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

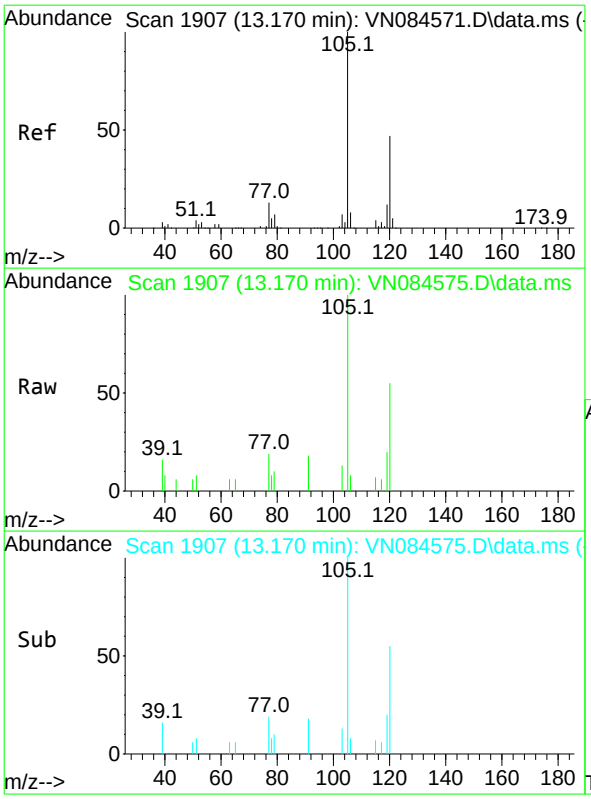


#79
2-Chlorotoluene
Concen: 0.969 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 91 Resp: 5699

Ion	Ratio	Lower	Upper
91	100		
126	33.7	15.7	47.1

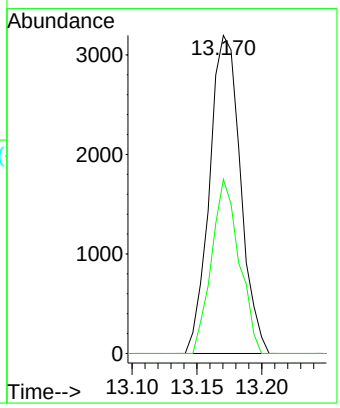




#80
1,3,5-Trimethylbenzene
Concen: 0.833 ug/l
RT: 13.170 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:105 Resp: 5298

Ion	Ratio	Lower	Upper
105	100		
120	49.0	23.7	71.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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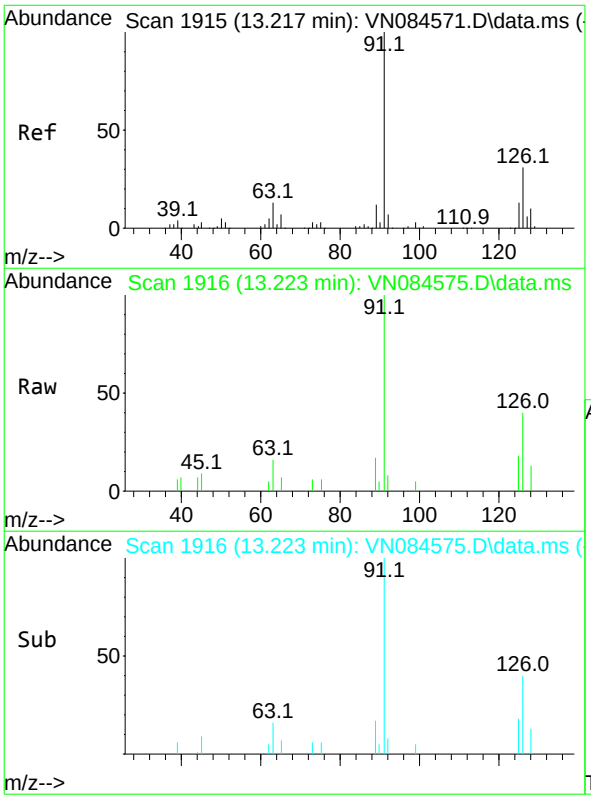
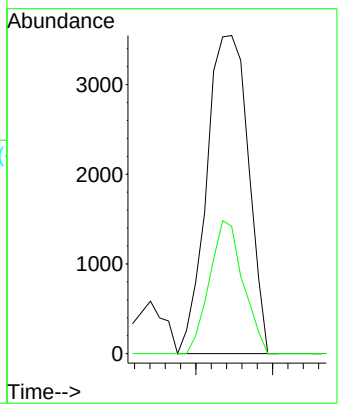
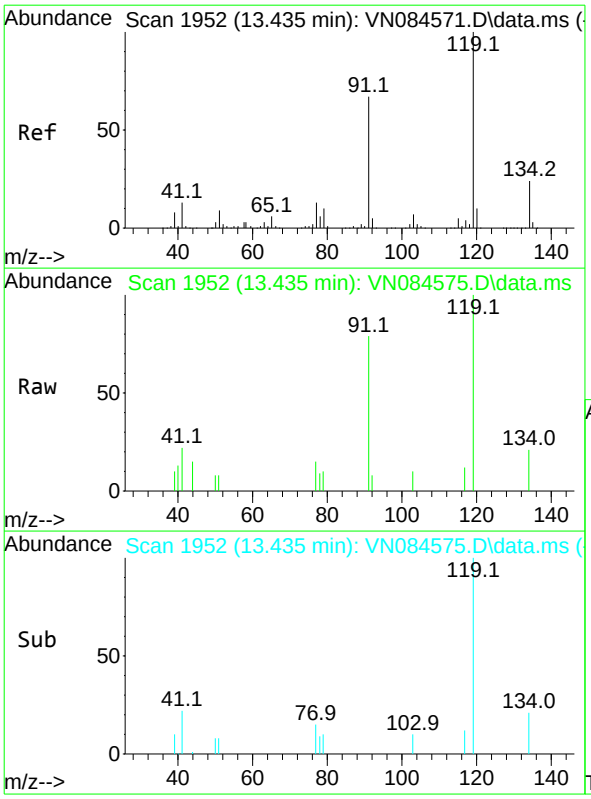


#82
4-Chlorotoluene
Concen: 1.080 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 91 Resp: 6682

Ion	Ratio	Lower	Upper
91	100		
126	33.7	15.7	47.1

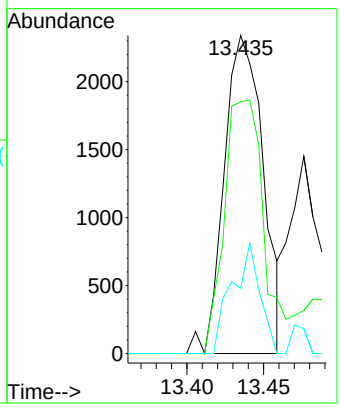




#83
tert-Butylbenzene
Concen: 0.788 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:119 Resp: 4148

Ion	Ratio	Lower	Upper
119	100		
91	79.8	34.1	102.3
134	24.9	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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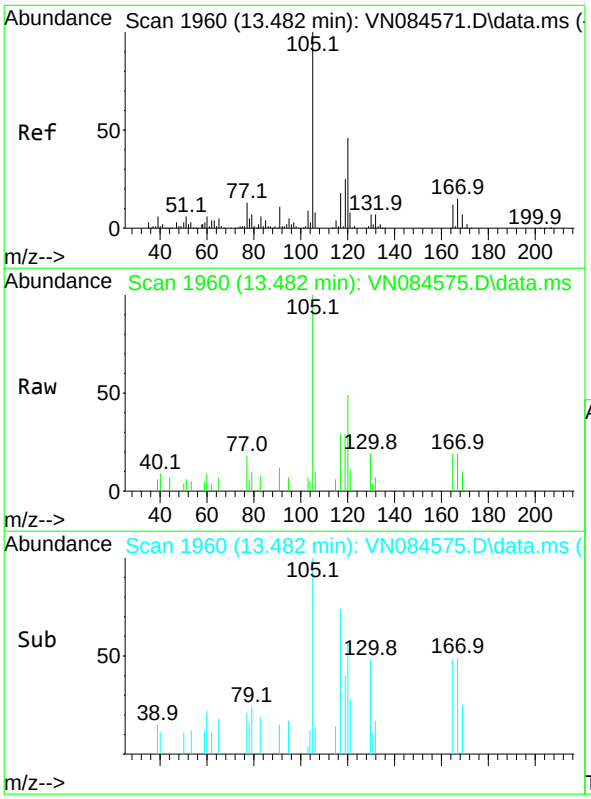
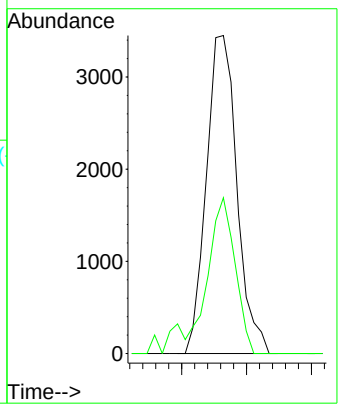
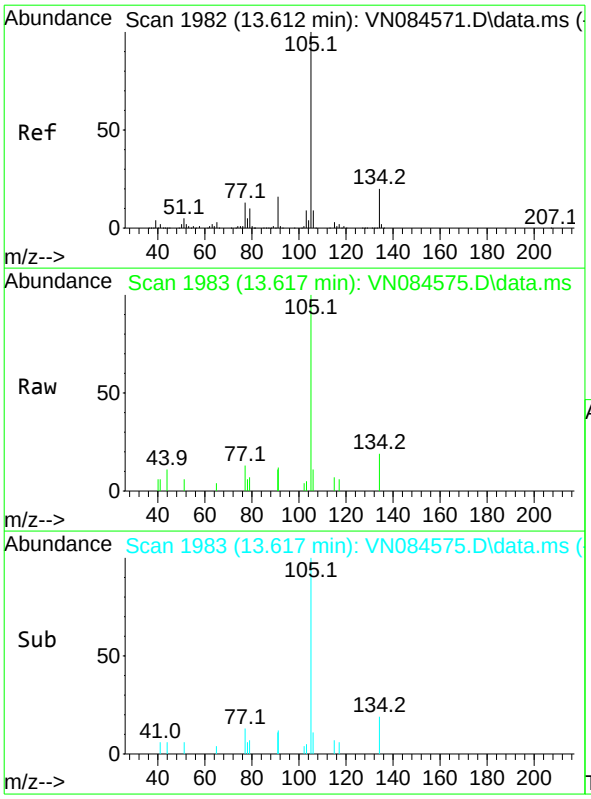


#84
1,2,4-Trimethylbenzene
Concen: 0.860 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:105 Resp: 5651

Ion	Ratio	Lower	Upper
105	100		
120	43.2	22.3	66.8

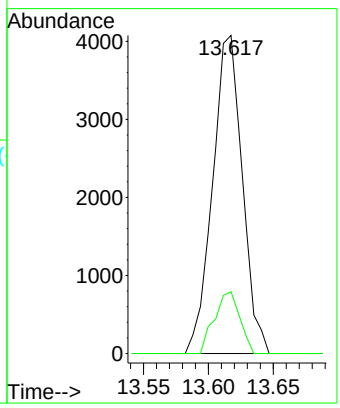




#85
sec-Butylbenzene
Concen: 0.872 ug/l
RT: 13.617 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:105 Resp: 6490

Ion	Ratio	Lower	Upper
105	100		
134	16.6	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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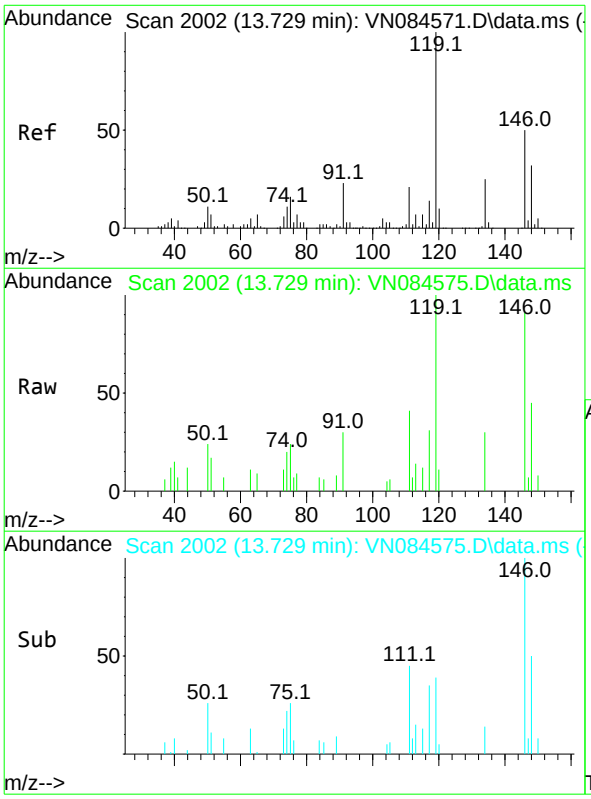
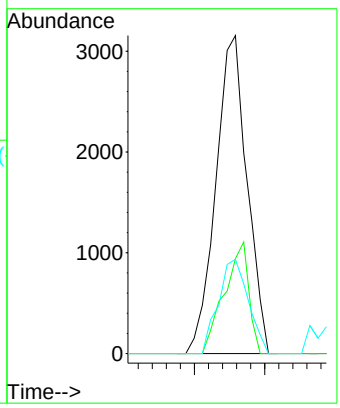
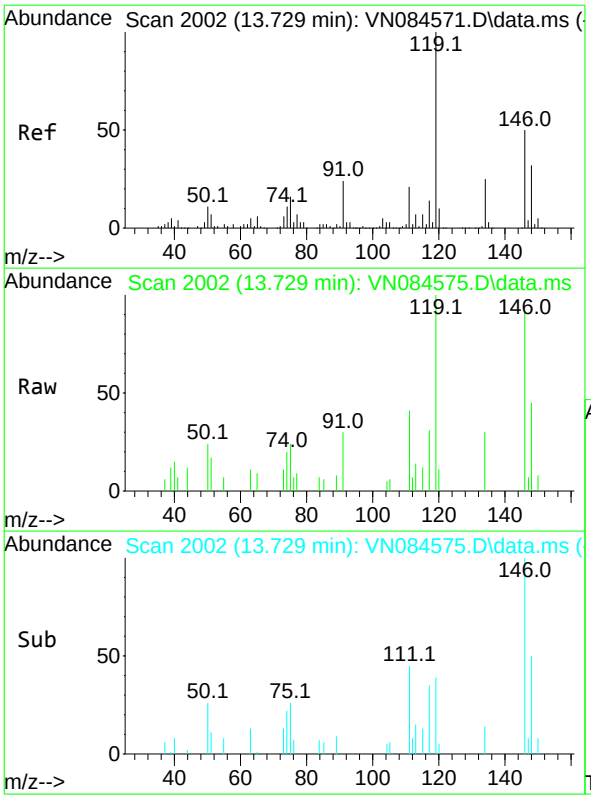


#86
p-Isopropyltoluene
Concen: 0.796 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:119 Resp: 4859

Ion	Ratio	Lower	Upper
119	100		
134	27.3	12.6	37.8
91	28.4	12.4	37.2

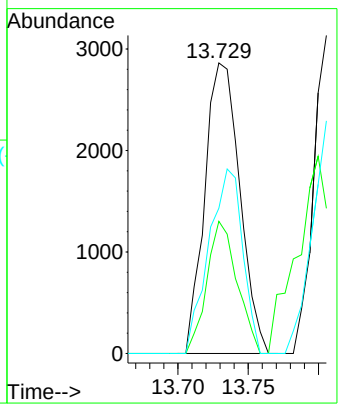




#87
1,3-Dichlorobenzene
Concen: 1.232 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:146 Resp: 4961

Ion	Ratio	Lower	Upper
146	100		
111	39.3	21.8	65.3
148	61.2	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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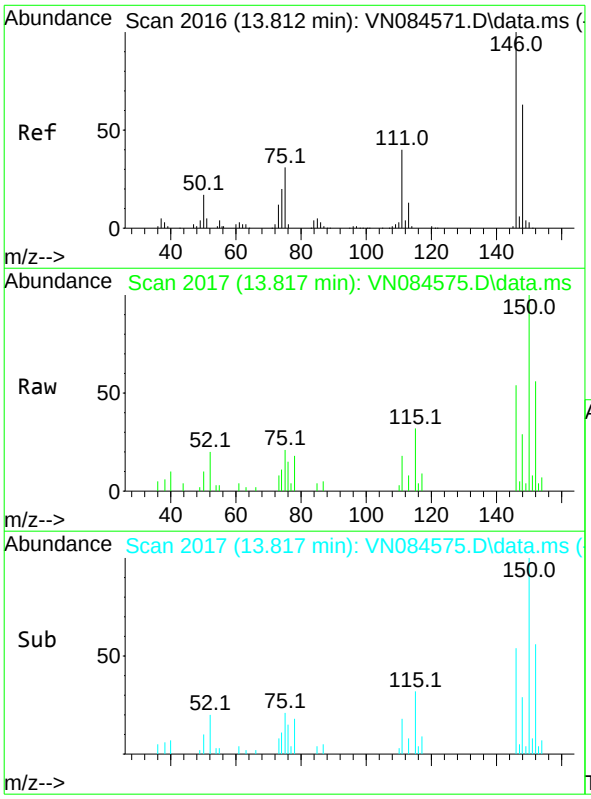
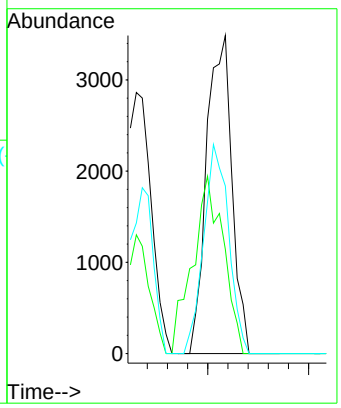
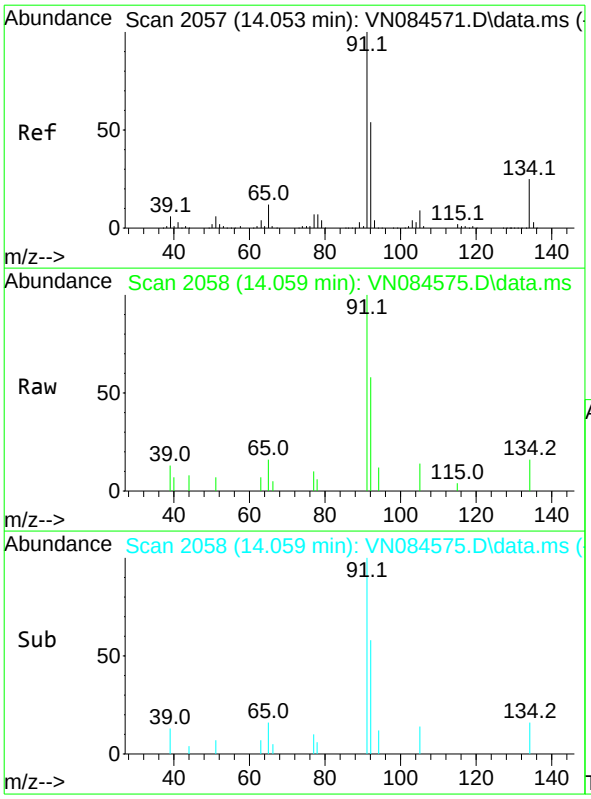


#88
1,4-Dichlorobenzene
Concen: 0.801 ug/l m
RT: 13.817 min Scan# 2017
Delta R.T. 0.005 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:146 Resp: 6076

Ion	Ratio	Lower	Upper
146	100		
111	32.1	21.2	63.6
148	49.9	31.9	95.9

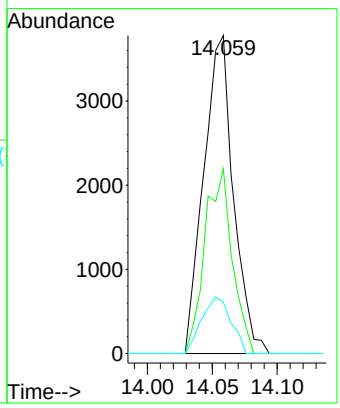




#89
n-Butylbenzene
Concen: 1.055 ug/l
RT: 14.059 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 91 Resp: 6020

Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.6	79.7
134	17.5	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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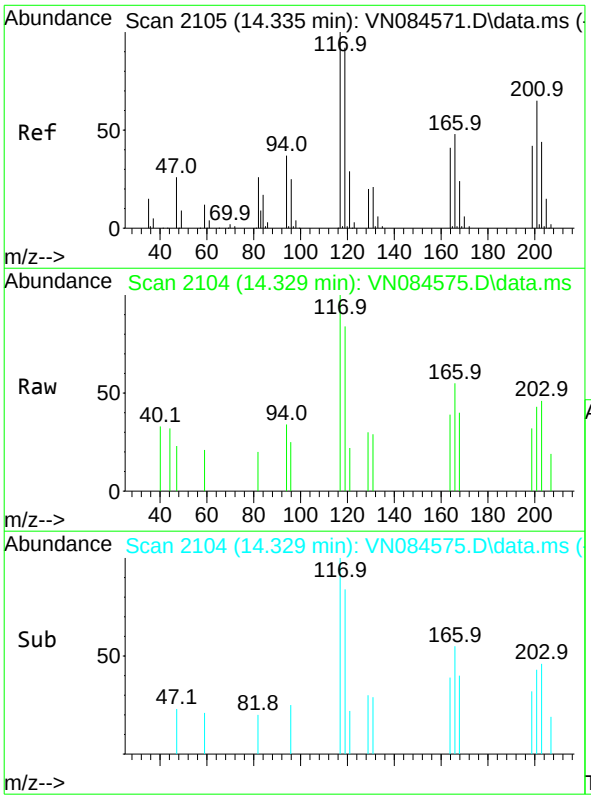
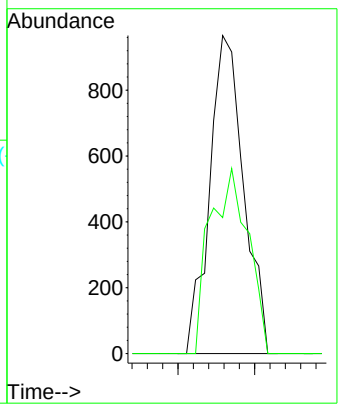
Supervised By :Mahesh Dadoda 11/04/2024

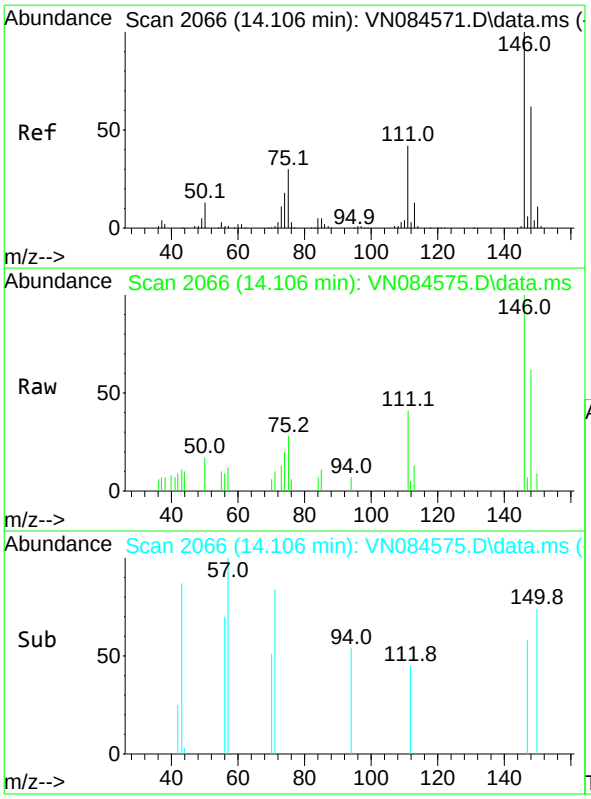


#90
Hexachloroethane
Concen: 1.097 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:117 Resp: 1493

Ion	Ratio	Lower	Upper
117	100		
201	65.1	34.4	103.2

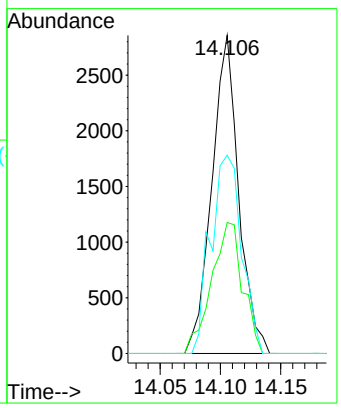




#91
1,2-Dichlorobenzene
Concen: 1.144 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:146 Resp: 4428

Ion	Ratio	Lower	Upper
146	100		
111	47.8	22.0	66.0
148	72.3	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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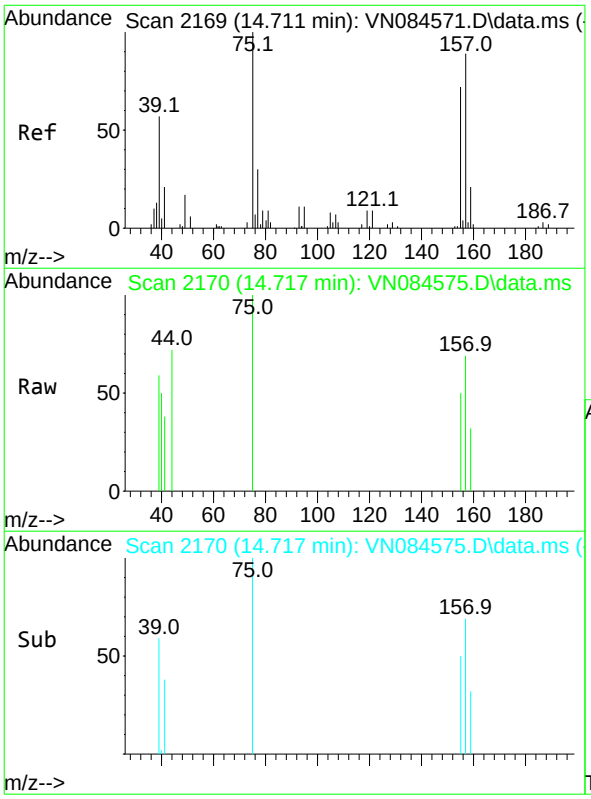
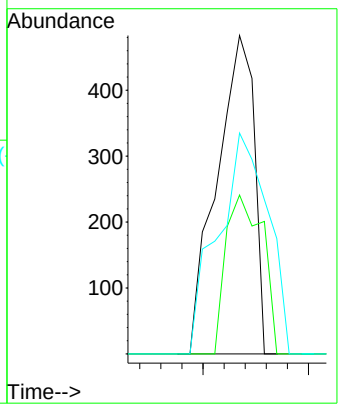
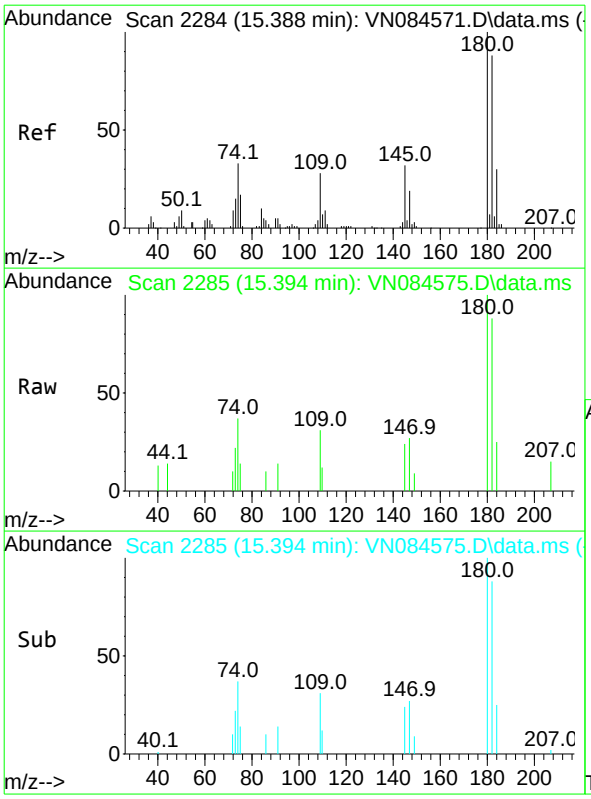


#92
1,2-Dibromo-3-Chloropropane
Concen: 1.146 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 75 Resp: 595

Ion	Ratio	Lower	Upper
75	100		
155	49.2	38.1	114.5
157	92.8	49.6	149.0

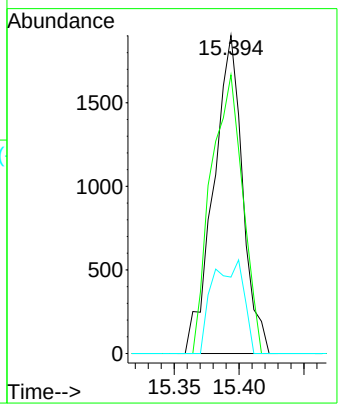




#93
1,2,4-Trichlorobenzene
Concen: 1.399 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:180 Resp: 2964

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.0	141.0
145	31.3	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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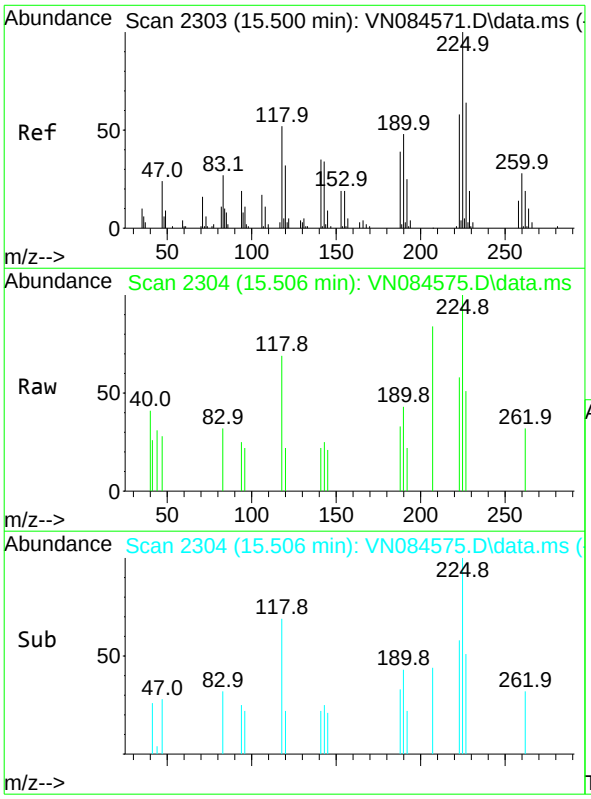
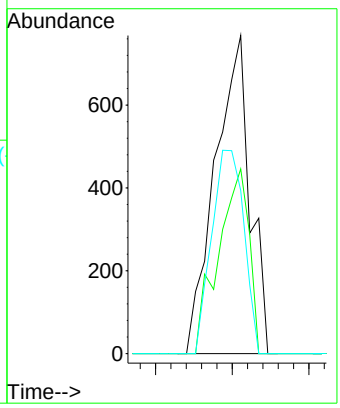
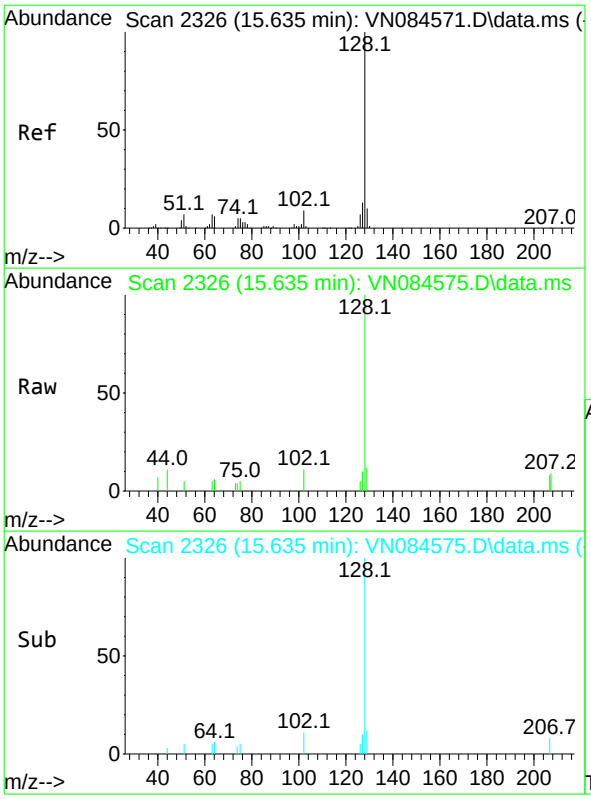


#94
Hexachlorobutadiene
Concen: 1.298 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. 0.005 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:225 Resp: 1208

Ion	Ratio	Lower	Upper
225	100		
223	51.3	32.4	97.2
227	59.2	32.4	97.0

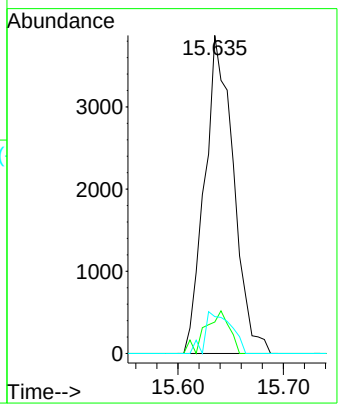




#95
Naphthalene
Concen: 1.159 ug/l
RT: 15.635 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:128 Resp: 7352

Ion	Ratio	Lower	Upper
128	100		
127	11.1	10.5	15.7
129	11.8	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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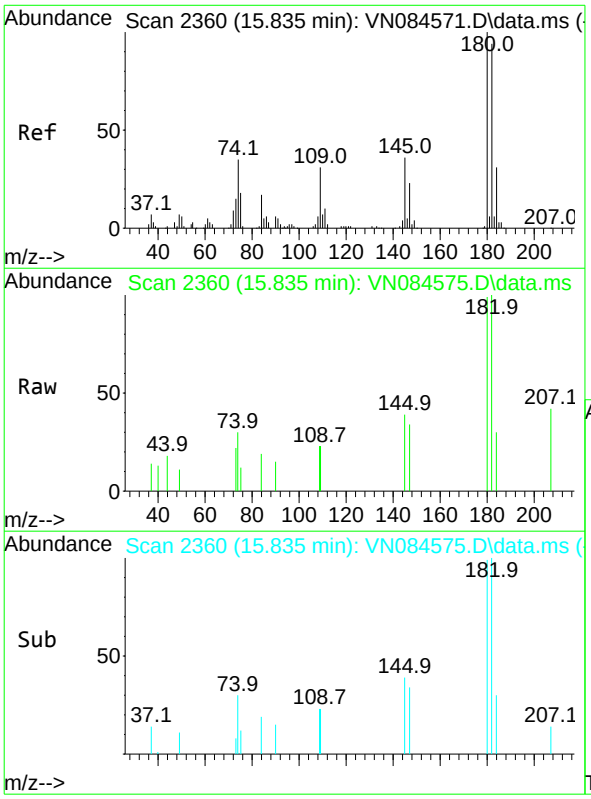
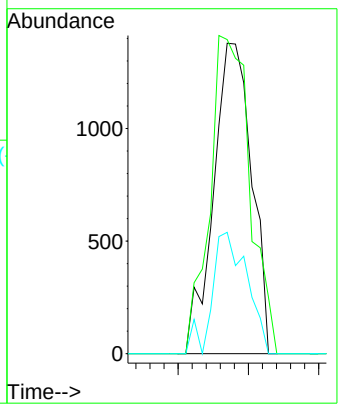


#96
1,2,3-Trichlorobenzene
Concen: 1.267 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:180 Resp: 2605

Ion	Ratio	Lower	Upper
180	100		
182	107.5	48.2	144.6
145	35.7	17.3	51.9



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Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	192202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	324264	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	291586	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	142817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	132029	47.560	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.120%			
35) Dibromofluoromethane	8.165	113	104306	47.522	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.040%			
50) Toluene-d8	10.565	98	390989	48.359	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.720%			
62) 4-Bromofluorobenzene	12.847	95	144180	47.715	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	101605	45.985	ug/l	97
3) Chloromethane	2.359	50	118060	45.299	ug/l	99
4) Vinyl Chloride	2.512	62	110340	46.430	ug/l	95
5) Bromomethane	2.900	94	54764	43.494	ug/l	100
6) Chloroethane	3.071	64	68330	46.348	ug/l	93
7) Trichlorofluoromethane	3.471	101	178683	45.644	ug/l	98
8) Diethyl Ether	3.959	74	64407	46.640	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	101094	45.702	ug/l	98
10) Methyl Iodide	4.577	142	137594	46.542	ug/l	97
11) Tert butyl alcohol	5.536	59	80556	219.840	ug/l	99
12) 1,1-Dichloroethene	4.330	96	99235	45.338	ug/l	99
13) Acrolein	4.171	56	79788	218.362	ug/l	98
14) Allyl chloride	5.012	41	170293	47.975	ug/l	92
15) Acrylonitrile	5.718	53	251141	236.747	ug/l	100
16) Acetone	4.430	43	196070	244.445	ug/l	100
17) Carbon Disulfide	4.700	76	287697	42.682	ug/l	99
18) Methyl Acetate	5.024	43	132834	44.944	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	326067	48.603	ug/l	97
20) Methylene Chloride	5.265	84	111618	45.716	ug/l	91
21) trans-1,2-Dichloroethene	5.777	96	101181	45.019	ug/l	98
22) Diisopropyl ether	6.671	45	343763	48.739	ug/l	99
23) Vinyl Acetate	6.600	43	1204384	247.614	ug/l	99
24) 1,1-Dichloroethane	6.559	63	196518	46.408	ug/l	97
25) 2-Butanone	7.483	43	307765	237.635	ug/l	97
26) 2,2-Dichloropropane	7.488	77	166234	45.103	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	121280	46.214	ug/l	97
28) Bromochloromethane	7.806	49	92741	54.971	ug/l	97
29) Tetrahydrofuran	7.835	42	211210	245.822	ug/l	98
30) Chloroform	7.965	83	203935	47.316	ug/l	100
31) Cyclohexane	8.253	56	172671	45.053	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	183488	46.774	ug/l	98
36) 1,1-Dichloropropene	8.365	75	141152	46.370	ug/l	100
37) Ethyl Acetate	7.559	43	132993	48.154	ug/l	99
38) Carbon Tetrachloride	8.359	117	157005	46.145	ug/l	97
39) Methylcyclohexane	9.600	83	154743	49.969	ug/l	99
40) Benzene	8.606	78	452351	46.273	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	77176	51.964	ug/l		99
42) 1,2-Dichloroethane	8.671	62	149173	47.118	ug/l		99
43) Isopropyl Acetate	8.688	43	232558	45.492	ug/l		98
44) Trichloroethene	9.347	130	100849	44.732	ug/l		99
45) 1,2-Dichloropropane	9.618	63	108229	47.196	ug/l		96
46) Dibromomethane	9.706	93	74292	45.911	ug/l		96
47) Bromodichloromethane	9.888	83	158814	46.560	ug/l	#	99
48) Methyl methacrylate	9.676	41	109745	51.057	ug/l		97
49) 1,4-Dioxane	9.694	88	40527	1063.992	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.447	43	665397	252.729	ug/l		98
52) Toluene	10.629	92	277957	48.616	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	162100	45.911	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	175008	46.832	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	102553	47.618	ug/l		97
56) Ethyl methacrylate	10.871	69	164370	52.764	ug/l		98
57) 1,3-Dichloropropane	11.165	76	176546	47.765	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	408174	280.013	ug/l		98
59) 2-Hexanone	11.194	43	489776	255.570	ug/l		99
60) Dibromochloromethane	11.359	129	120465	49.079	ug/l		99
61) 1,2-Dibromoethane	11.465	107	102316	46.393	ug/l		100
64) Tetrachloroethene	11.100	164	88124	45.436	ug/l		98
65) Chlorobenzene	11.888	112	292713	44.872	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	105108	46.323	ug/l		99
67) Ethyl Benzene	11.965	91	526140	48.319	ug/l		99
68) m/p-Xylenes	12.070	106	408029	98.979	ug/l		99
69) o-Xylene	12.400	106	194895	50.538	ug/l		99
70) Styrene	12.412	104	333668	49.600	ug/l		98
71) Bromoform	12.576	173	78822	46.166	ug/l	#	98
73) Isopropylbenzene	12.694	105	491033	49.063	ug/l		100
74) N-amyl acetate	12.494	43	209049	49.076	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	147181	44.058	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	122725m	42.988	ug/l		
77) Bromobenzene	12.976	156	119728	44.500	ug/l		97
78) n-propylbenzene	13.035	91	576495	49.156	ug/l		98
79) 2-Chlorotoluene	13.123	91	367294	47.930	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	420675	50.714	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	54512	45.300	ug/l		99
82) 4-Chlorotoluene	13.223	91	361596	44.837	ug/l		98
83) tert-Butylbenzene	13.435	119	361800	52.701	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	428517	50.053	ug/l		100
85) sec-Butylbenzene	13.617	105	483212	49.829	ug/l		100
86) p-Isopropyltoluene	13.729	119	410129	51.568	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	219757	41.852	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	221608	45.904	ug/l		99
89) n-Butylbenzene	14.053	91	341775	45.941	ug/l		100
90) Hexachloroethane	14.329	117	77324	43.597	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	220824	43.765	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	30895	45.651	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	111270	40.290	ug/l		98
94) Hexachlorobutadiene	15.500	225	47959	39.544	ug/l		97
95) Naphthalene	15.641	128	375360	45.408	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	108830	40.595	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
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Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Instrument :
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ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

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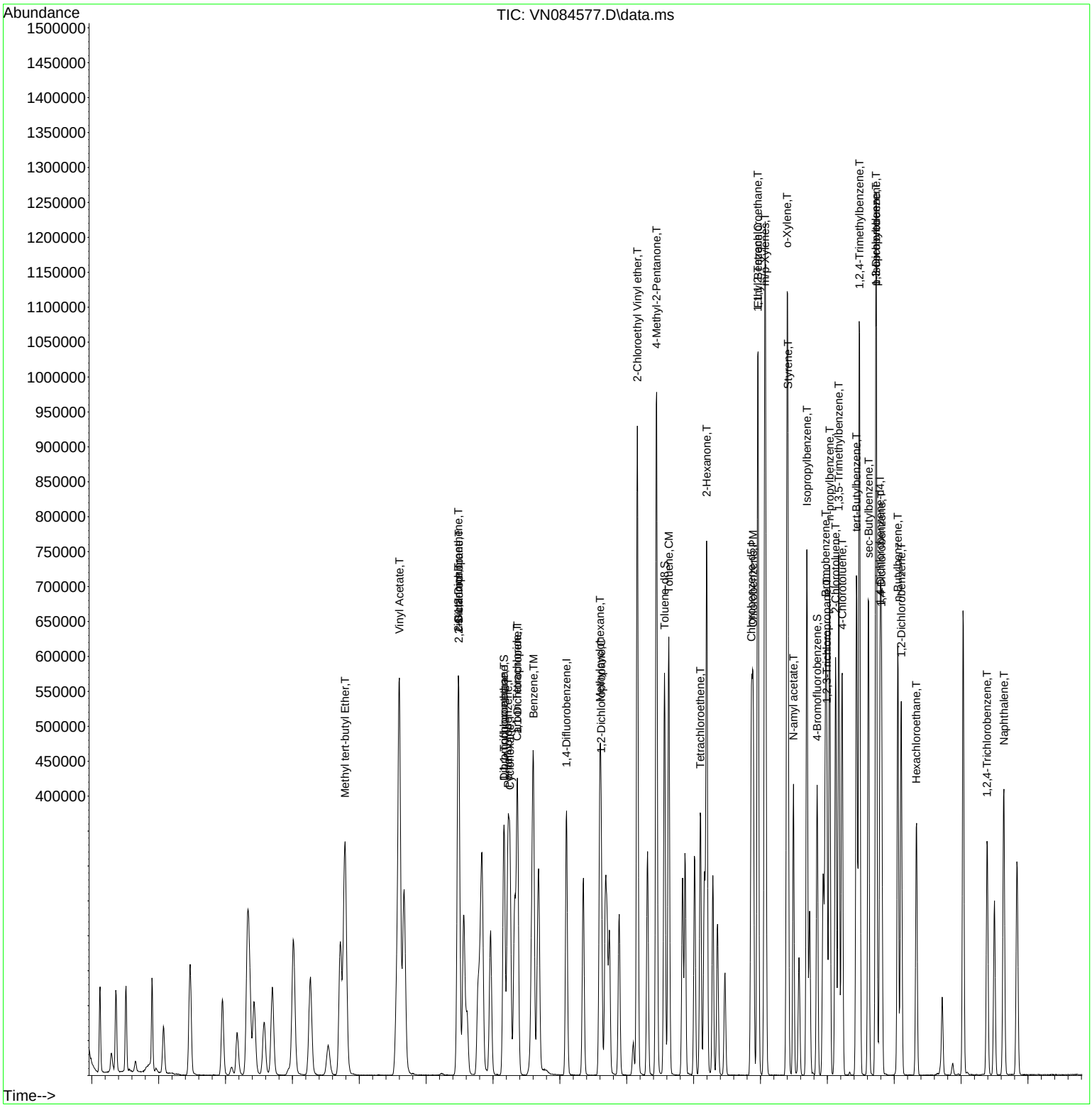
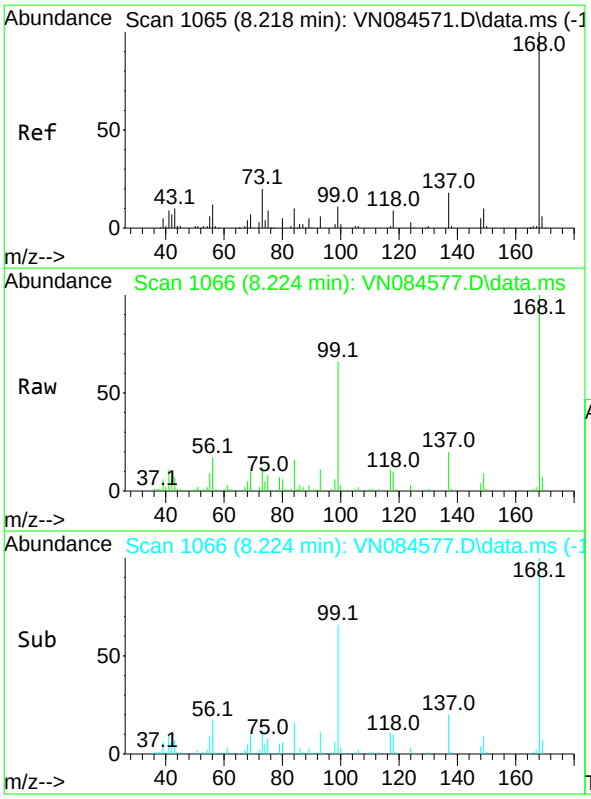
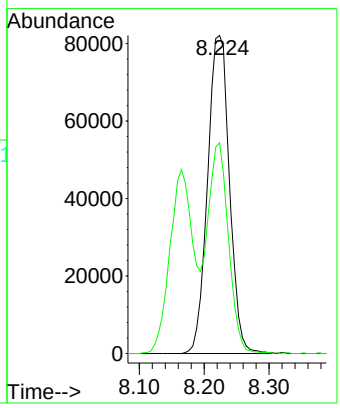




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:168 Resp: 192202

Ion	Ratio	Lower	Upper
168	100		
99	66.0	54.2	81.2



Instrument :
MSVOA_N
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Manual Integrations
APPROVED

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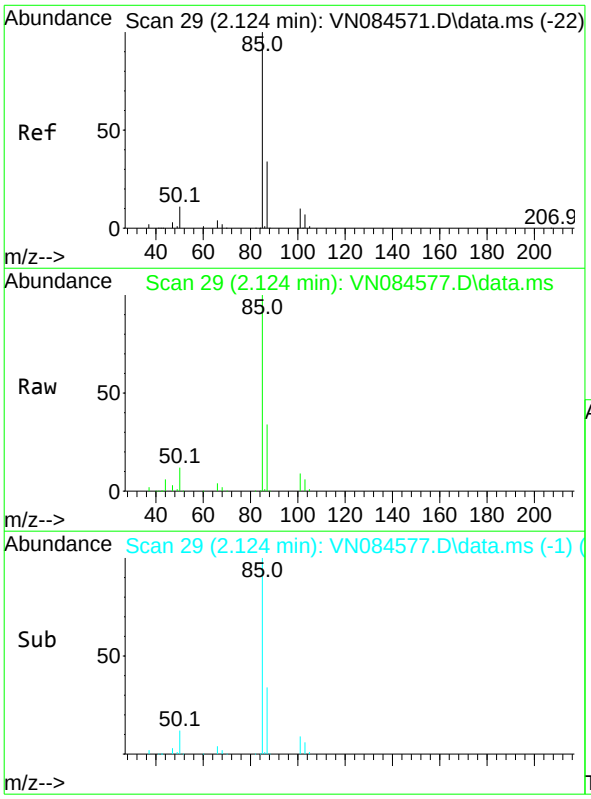
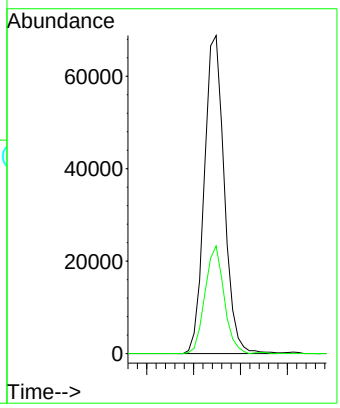
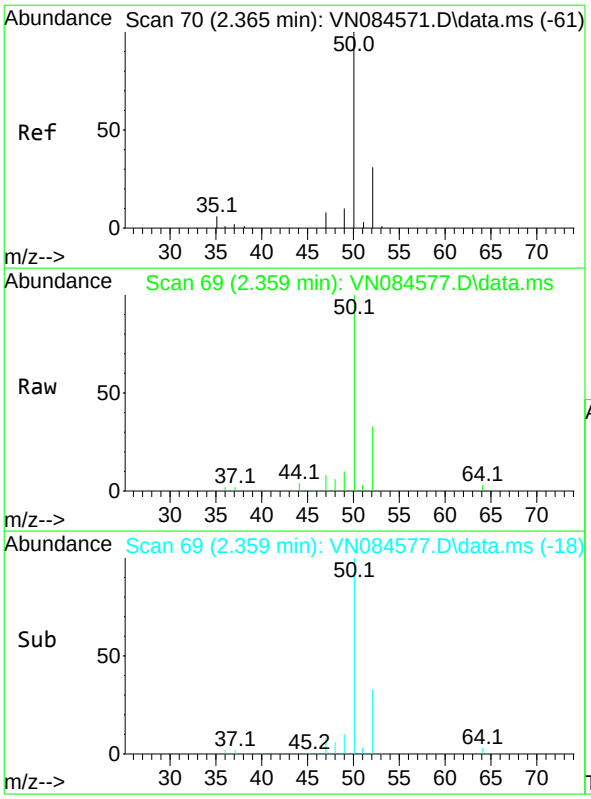


#2
Dichlorodifluoromethane
Concen: 45.985 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 85 Resp: 101605

Ion	Ratio	Lower	Upper
85	100		
87	33.8	17.6	52.9

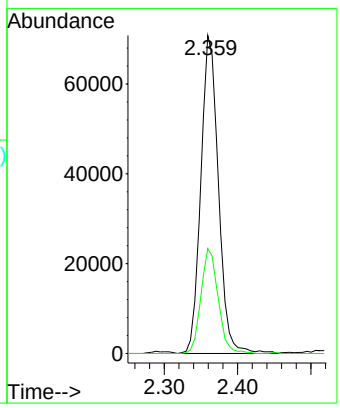




#3
Chloromethane
Concen: 45.299 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 50 Resp: 118060

Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

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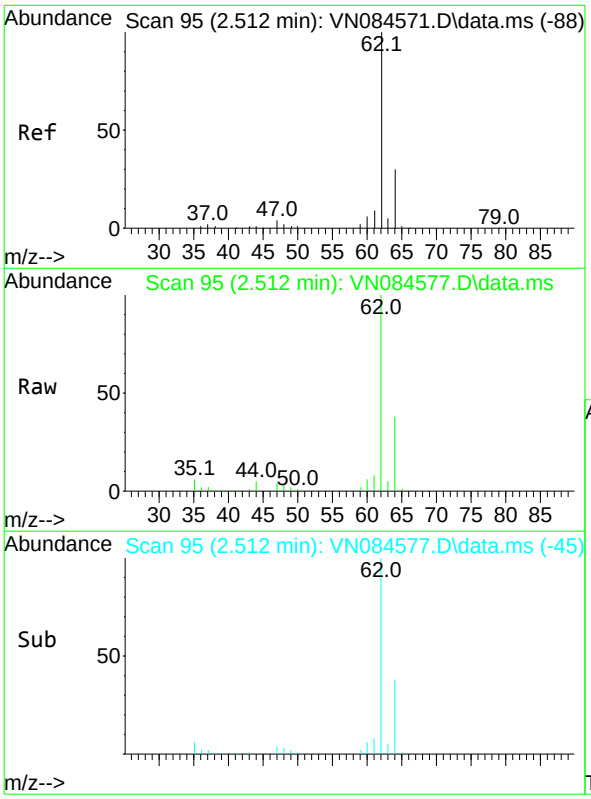
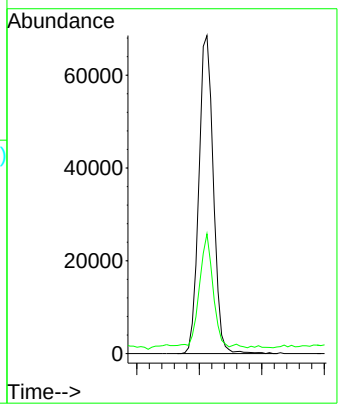
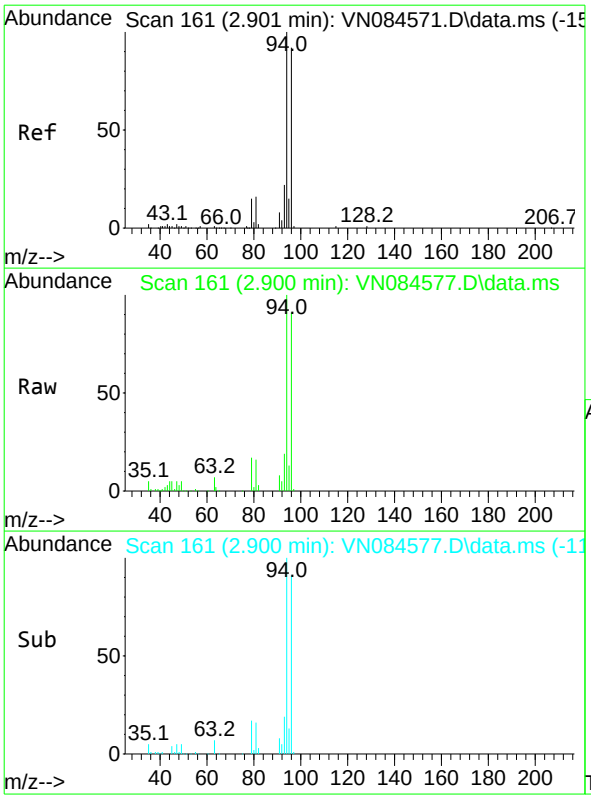


#4
Vinyl Chloride
Concen: 46.430 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 62 Resp: 110340

Ion	Ratio	Lower	Upper
62	100		
64	35.6	26.2	39.4

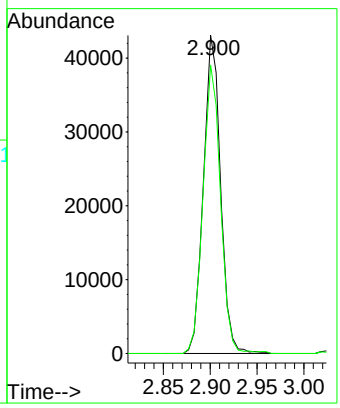




#5
Bromomethane
Concen: 43.494 ug/l
RT: 2.900 min Scan# 16
Delta R.T. -0.053 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 94 Resp: 54764

Ion	Ratio	Lower	Upper
94	100		
96	90.7	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

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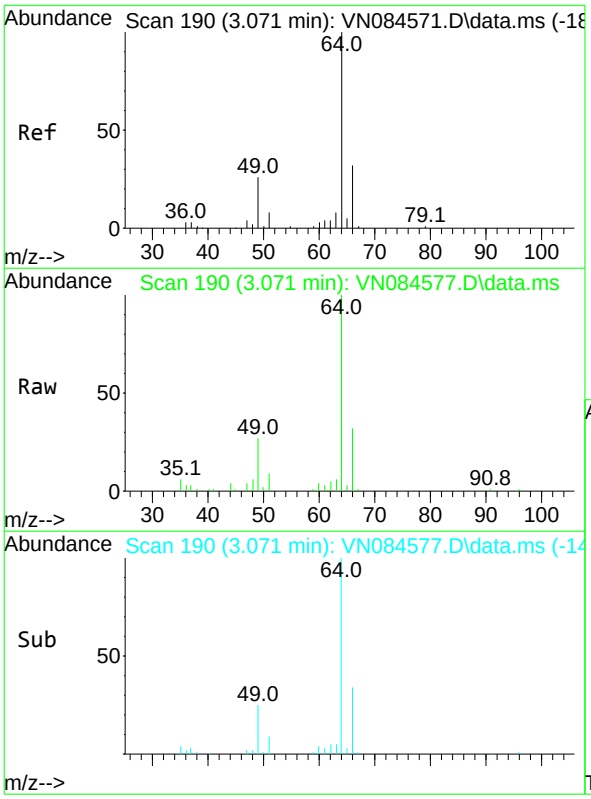
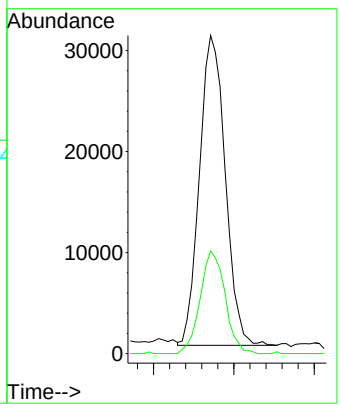
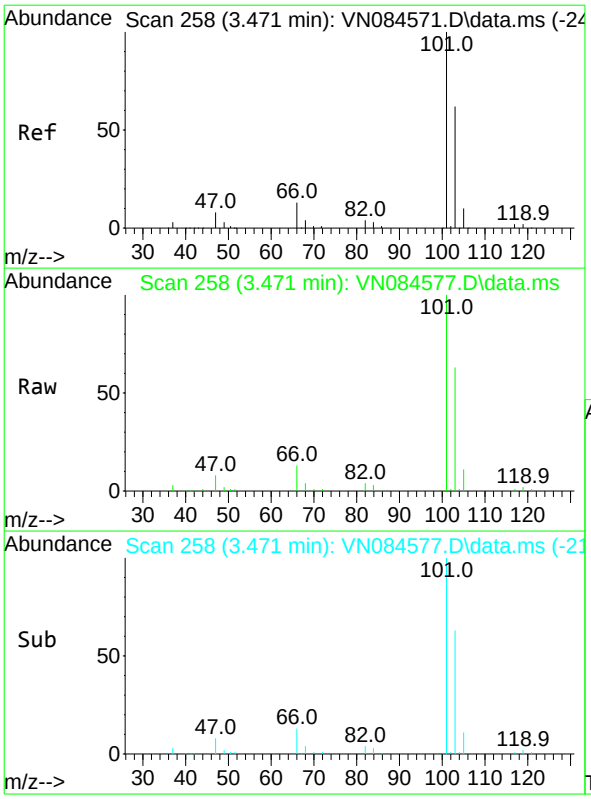


#6
Chloroethane
Concen: 46.348 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.047 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 64 Resp: 68330

Ion	Ratio	Lower	Upper
64	100		
66	33.2	23.5	35.3

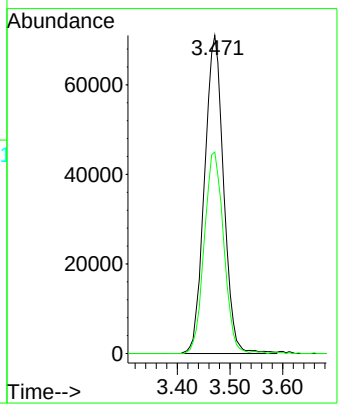




#7
Trichlorofluoromethane
Concen: 45.644 ug/l
RT: 3.471 min Scan# 25
Delta R.T. -0.024 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:101 Resp: 178683

Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

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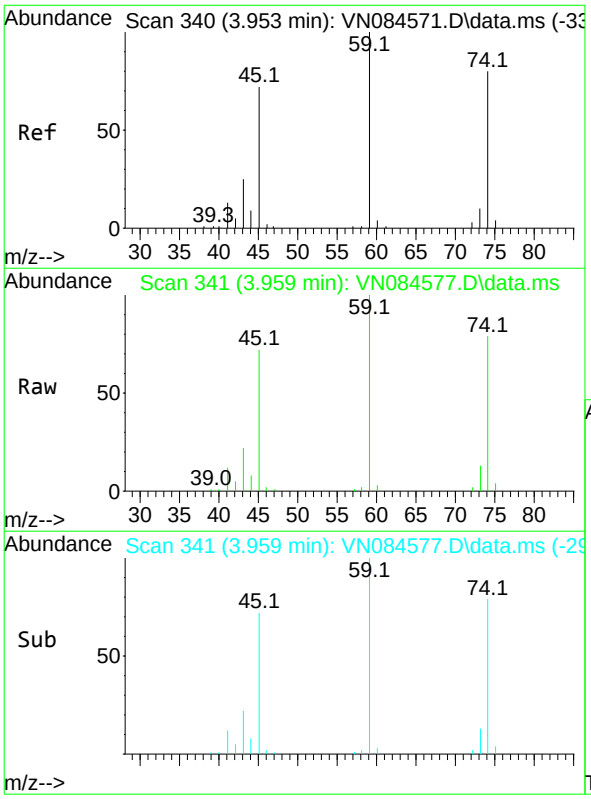
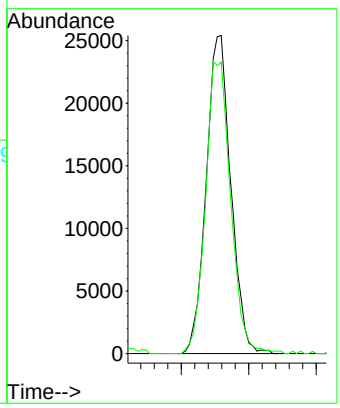
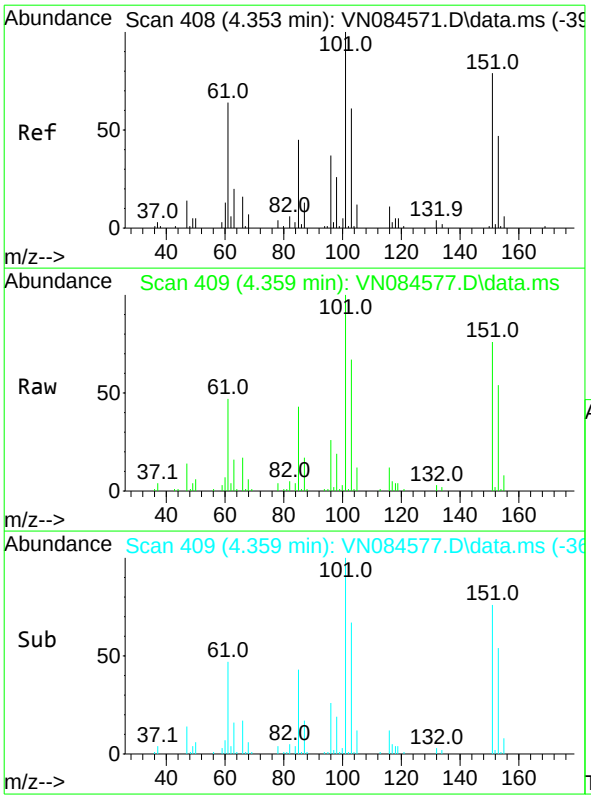


#8
Diethyl Ether
Concen: 46.640 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 74 Resp: 64407

Ion	Ratio	Lower	Upper
74	100		
45	93.7	47.7	143.1

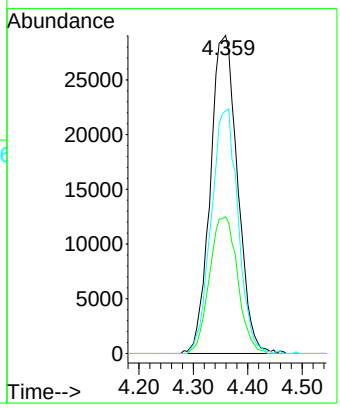




#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.702 ug/l
RT: 4.359 min Scan# 40
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:101 Resp: 101094

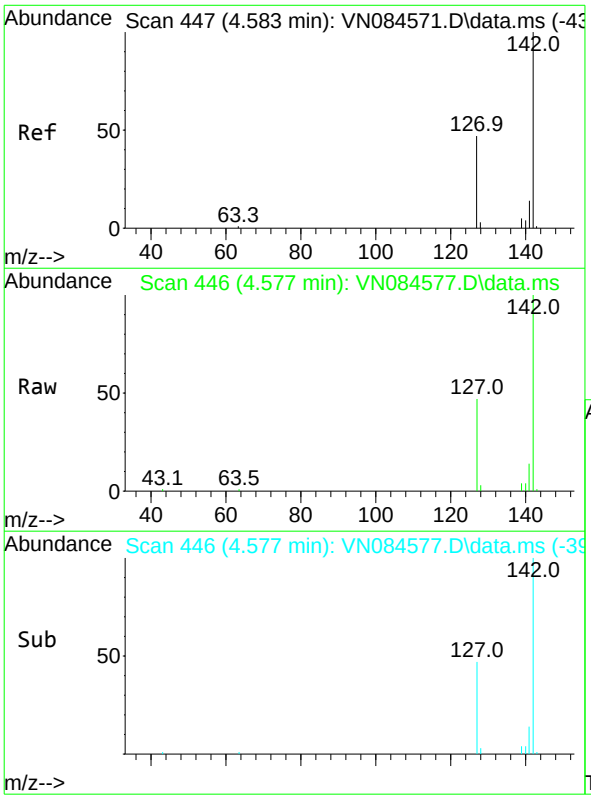
Ion	Ratio	Lower	Upper
101	100		
85	44.2	36.2	54.4
151	75.7	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

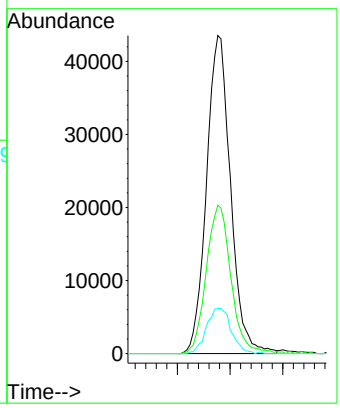
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

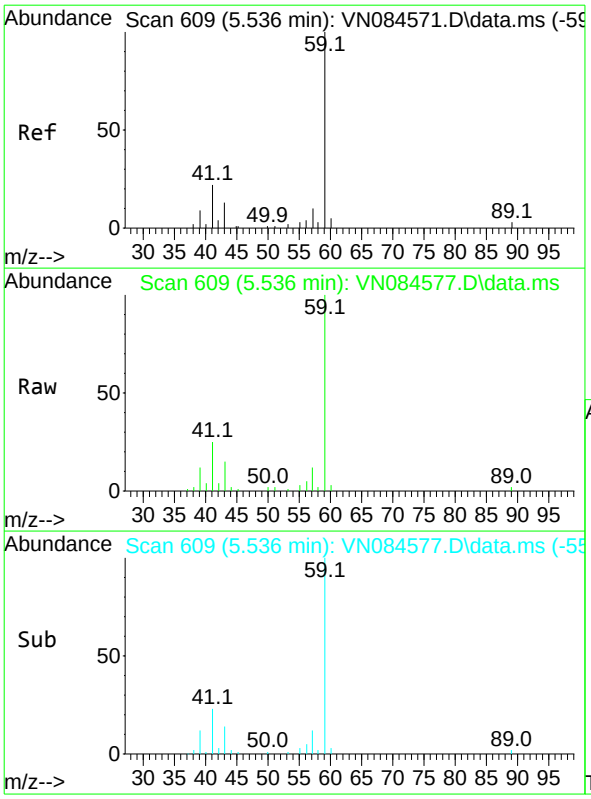


#10
Methyl Iodide
Concen: 46.542 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:142 Resp: 137594

Ion	Ratio	Lower	Upper
142	100		
127	46.6	35.3	52.9
141	14.2	11.0	16.6

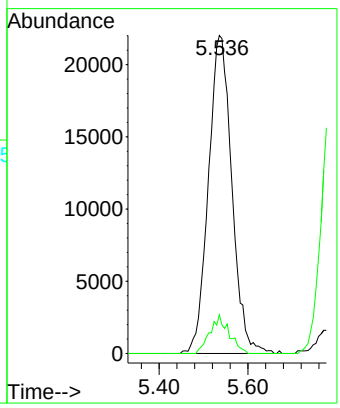




#11
Tert butyl alcohol
Concen: 219.840 ug/l
RT: 5.536 min Scan# 60
Delta R.T. 0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 59 Resp: 80556

Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
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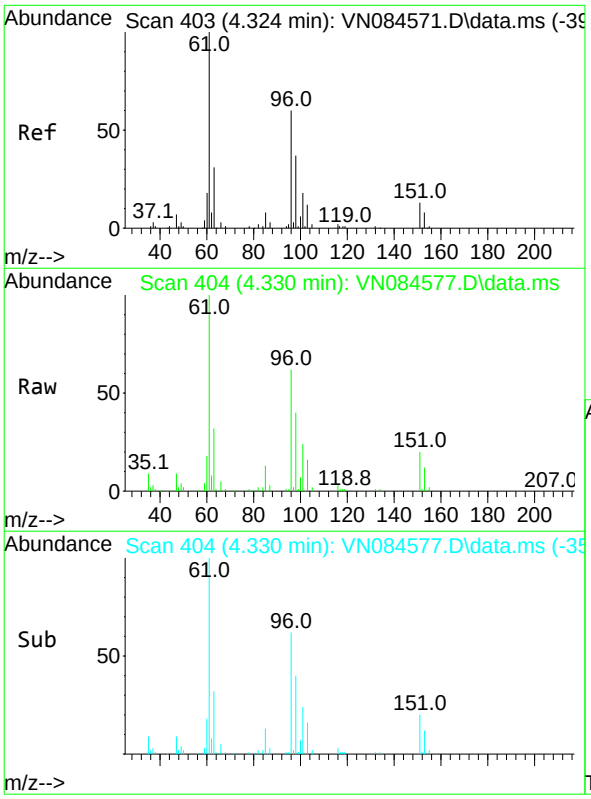
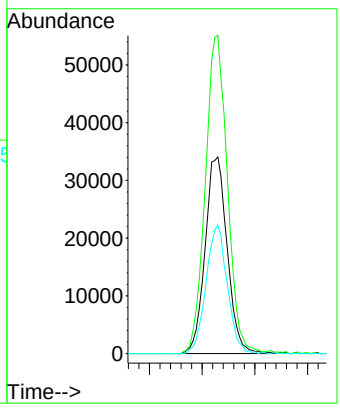
Supervised By :Mahesh Dadoda 11/04/2024

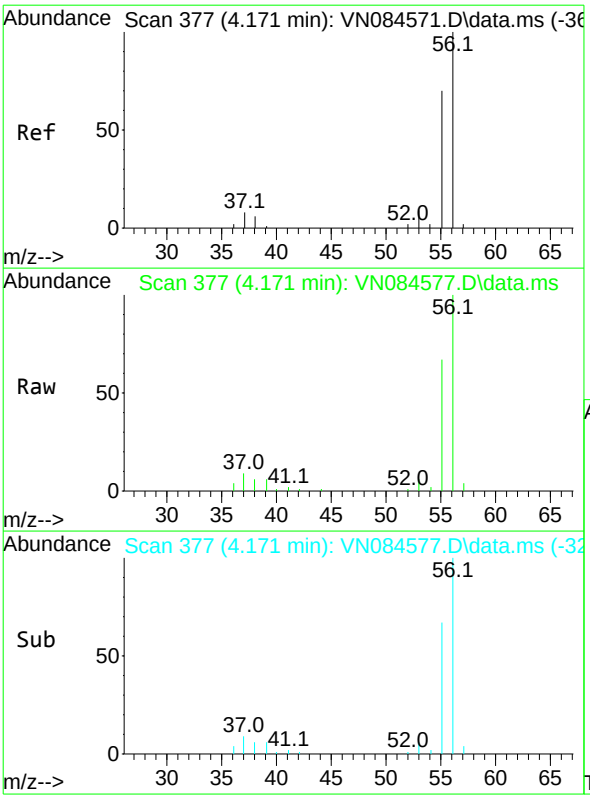


#12
1,1-Dichloroethene
Concen: 45.338 ug/l
RT: 4.330 min Scan# 404
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 96 Resp: 99235

Ion	Ratio	Lower	Upper
96	100		
61	161.8	128.6	192.8
98	65.3	51.7	77.5

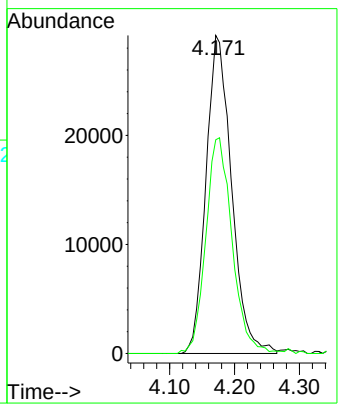




#13
Acrolein
Concen: 218.362 ug/l
RT: 4.171 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 56 Resp: 79788

Ion	Ratio	Lower	Upper
56	100		
55	69.8	57.2	85.8



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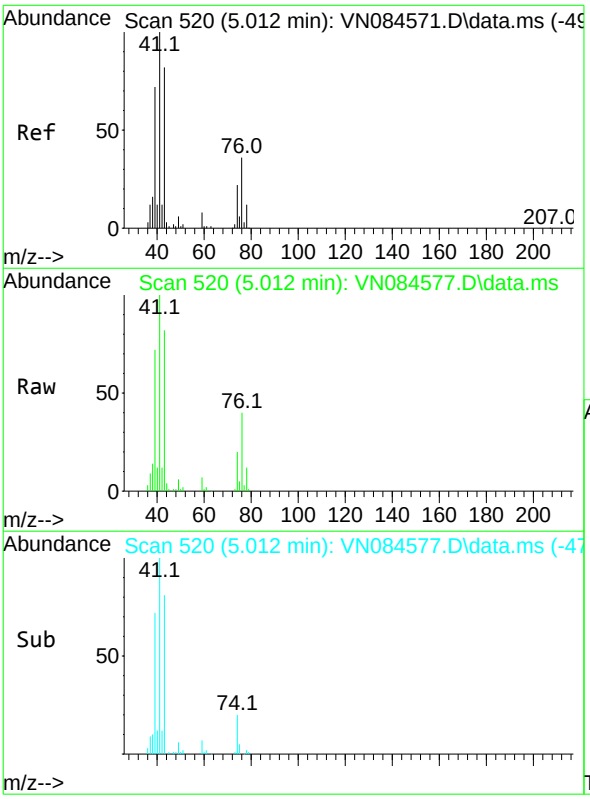
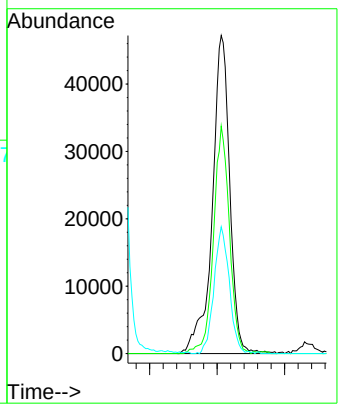
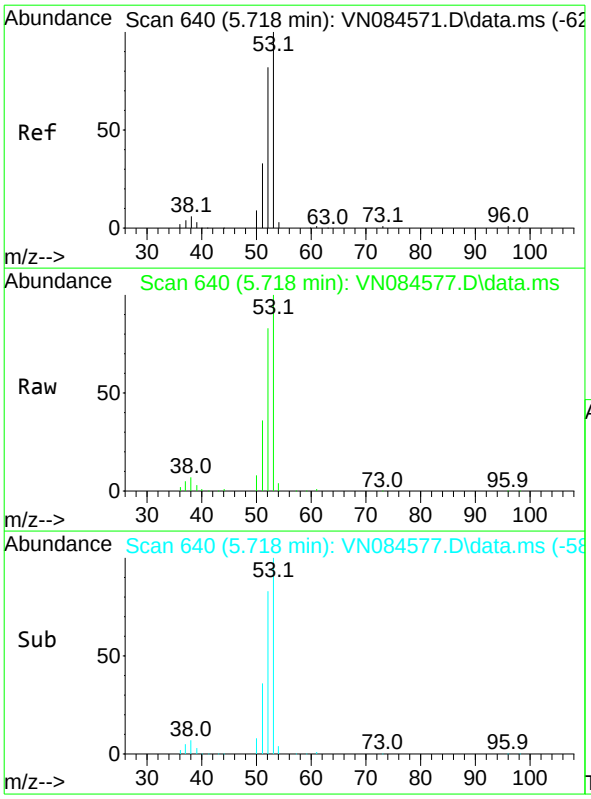


#14
Allyl chloride
Concen: 47.975 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 41 Resp: 170293

Ion	Ratio	Lower	Upper
41	100		
39	65.0	59.0	88.6
76	34.8	29.8	44.6

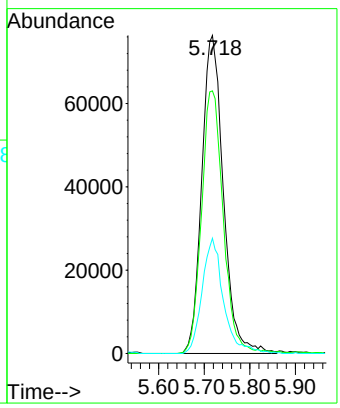




#15
Acrylonitrile
Concen: 236.747 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 53 Resp: 251141

Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.2	99.4
51	35.9	28.8	43.2



Instrument :
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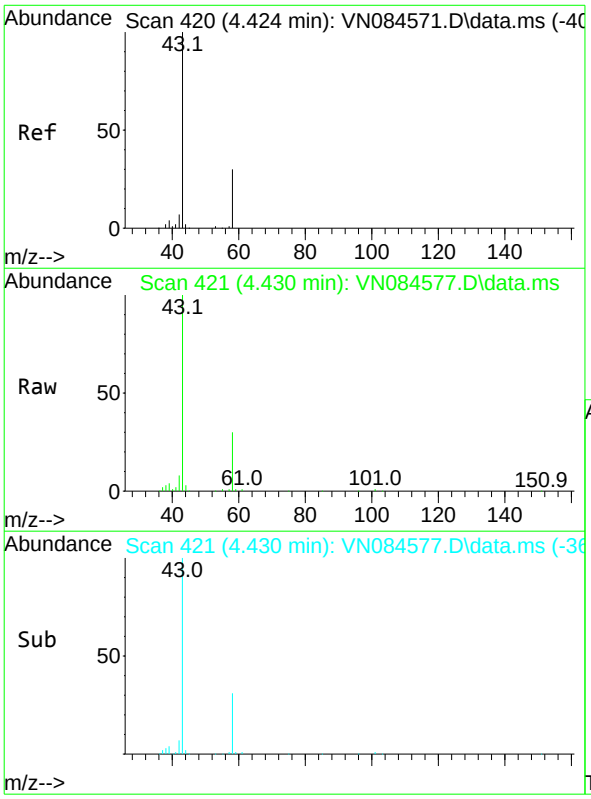
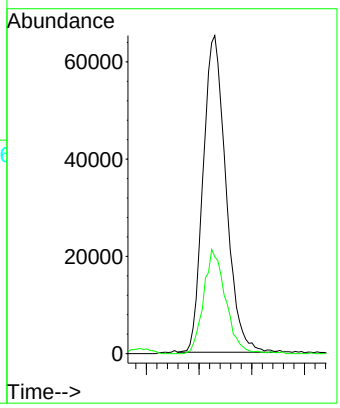
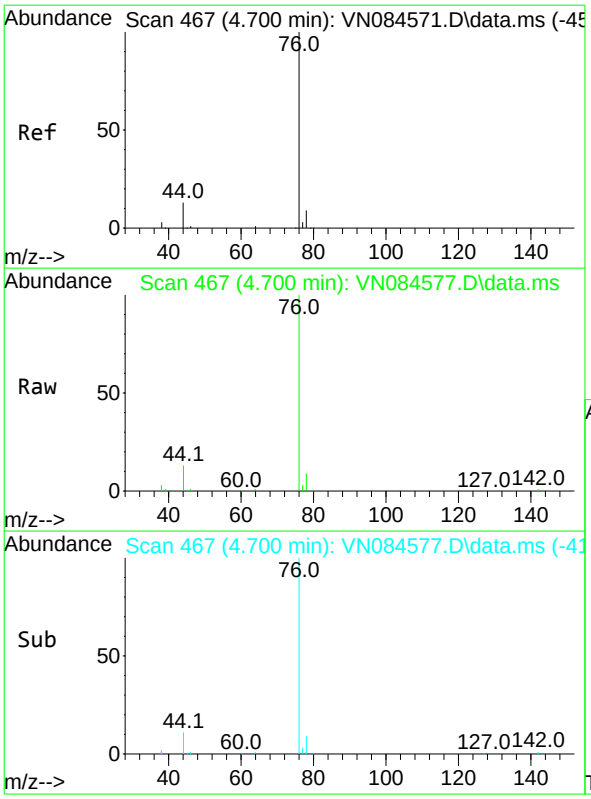


#16
Acetone
Concen: 244.445 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 43 Resp: 196070

Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.4	36.6

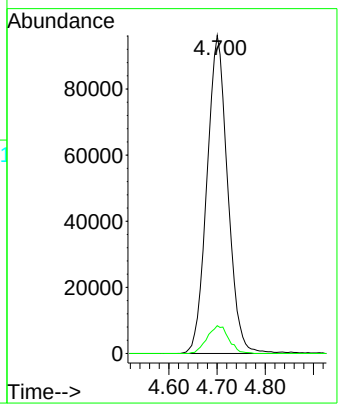




#17
Carbon Disulfide
Concen: 42.682 ug/l
RT: 4.700 min Scan# 46
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 76 Resp: 287697

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

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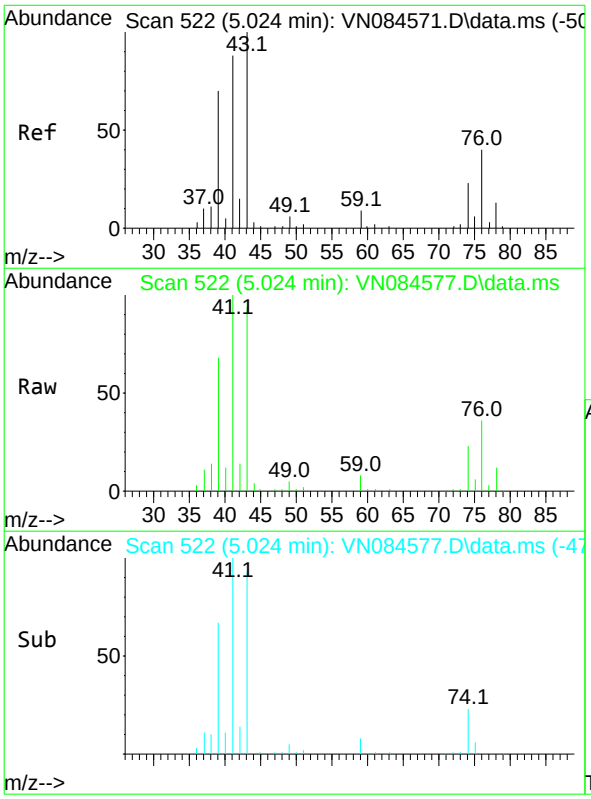
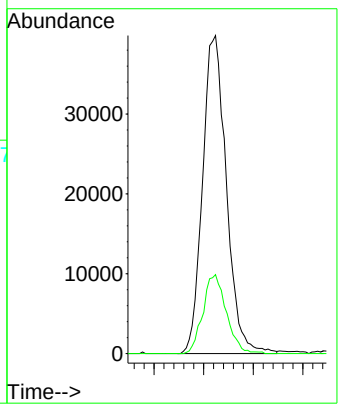
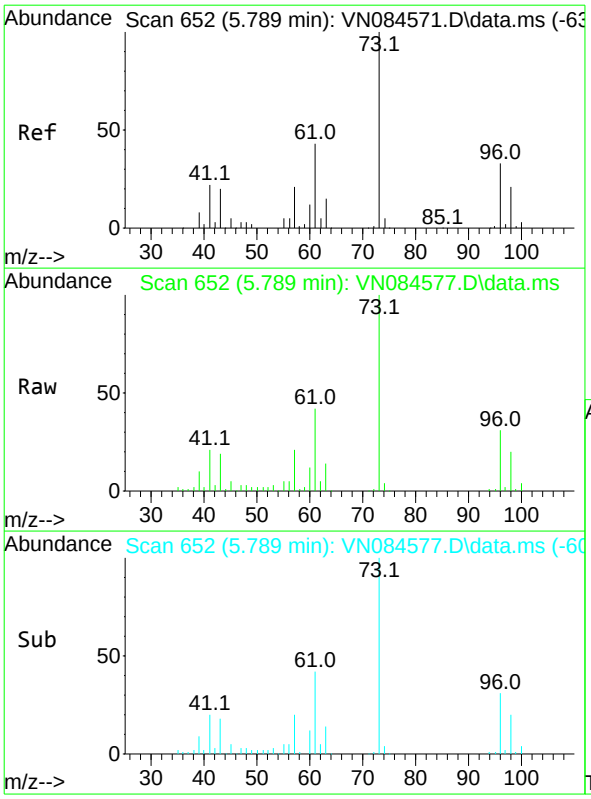


#18
Methyl Acetate
Concen: 44.944 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 43 Resp: 132834

Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.2	28.8

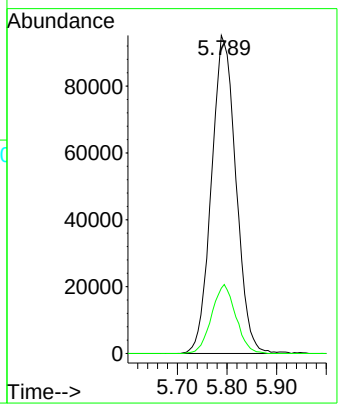




#19
Methyl tert-butyl Ether
Concen: 48.603 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 73 Resp: 326067

Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

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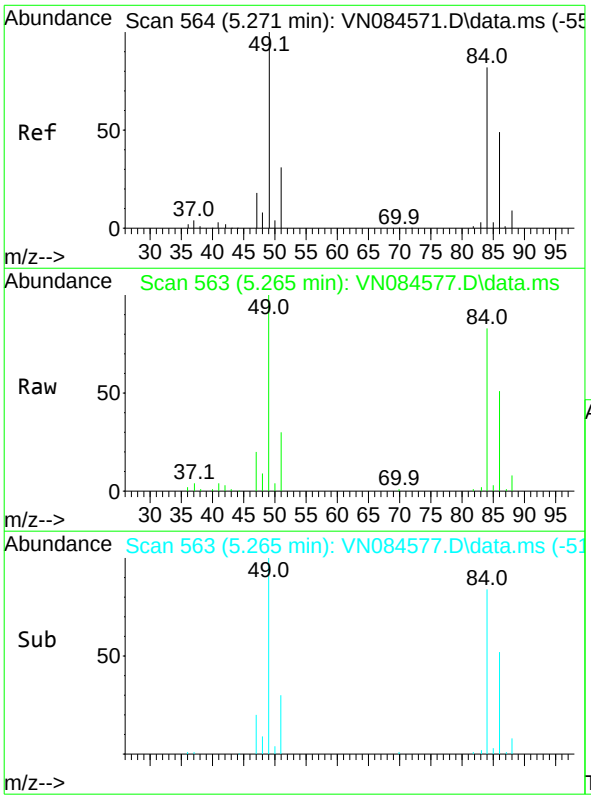
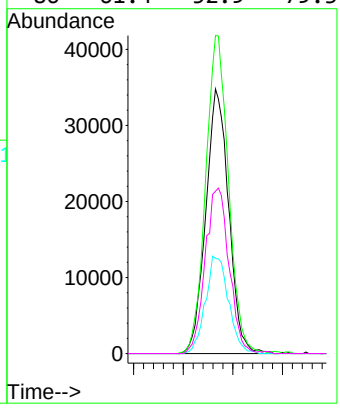
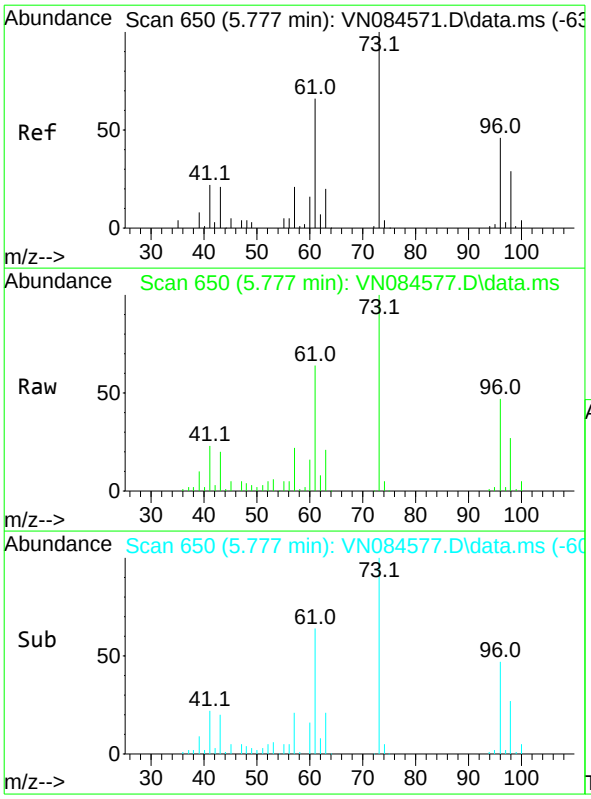


#20
Methylene Chloride
Concen: 45.716 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 84 Resp: 111618

Ion	Ratio	Lower	Upper
84	100		
49	120.2	107.2	160.8
51	36.0	31.8	47.8
86	61.4	52.9	79.3

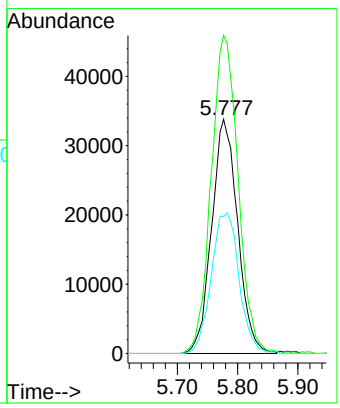




#21
trans-1,2-Dichloroethene
Concen: 45.019 ug/l
RT: 5.777 min Scan# 65
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 96 Resp: 101181

Ion	Ratio	Lower	Upper
96	100		
61	135.8	108.4	162.6
98	58.5	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

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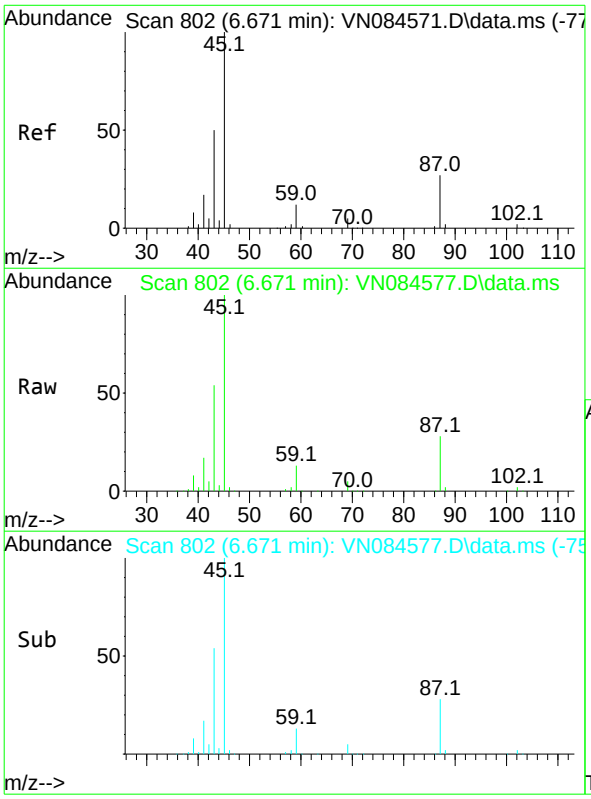
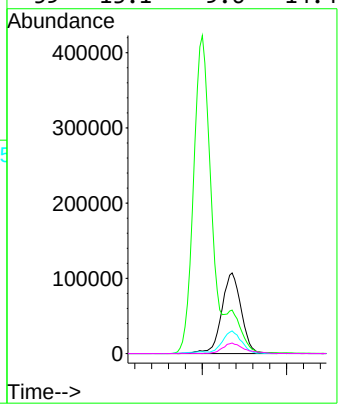
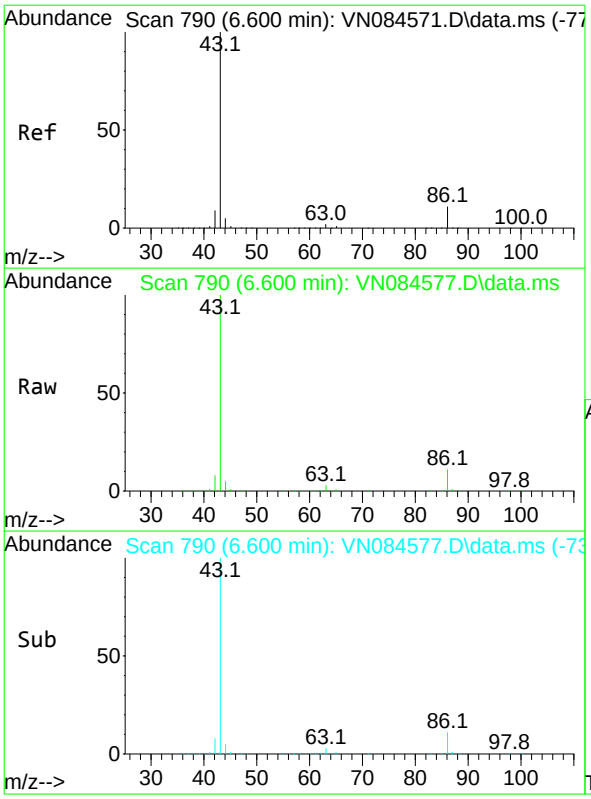


#22
Diisopropyl ether
Concen: 48.739 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 45 Resp: 343763

Ion	Ratio	Lower	Upper
45	100		
43	52.9	42.3	63.5
87	28.1	21.8	32.6
59	13.1	9.6	14.4

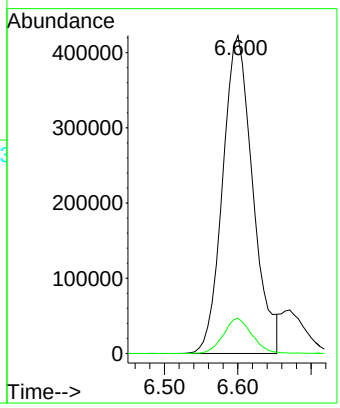




#23
Vinyl Acetate
Concen: 247.614 ug/l
RT: 6.600 min Scan# 79
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 43 Resp: 1204384

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.6	12.8



Instrument :
MSVOA_N
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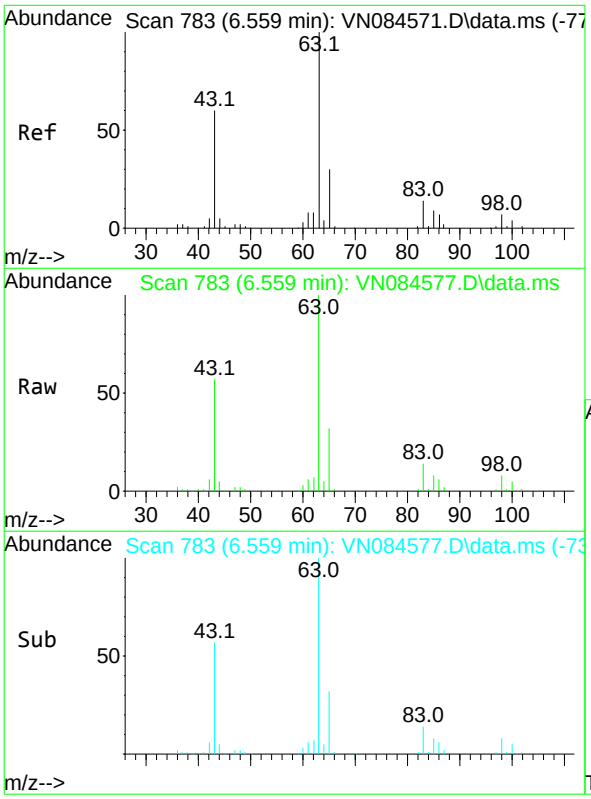
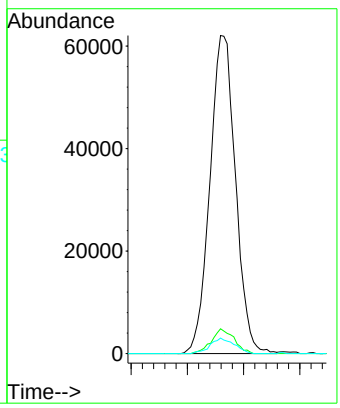
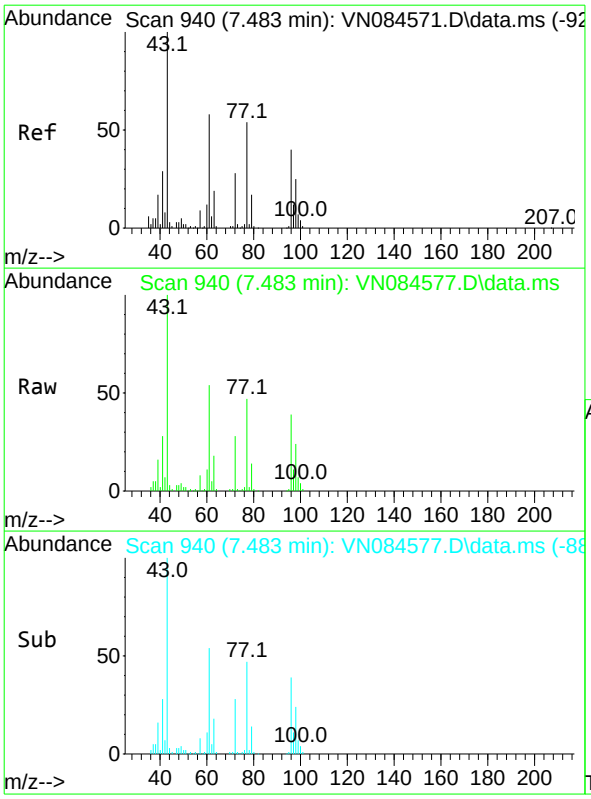


#24
1,1-Dichloroethane
Concen: 46.408 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 63 Resp: 196518

Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.4	10.2
100	4.9	2.0	5.8

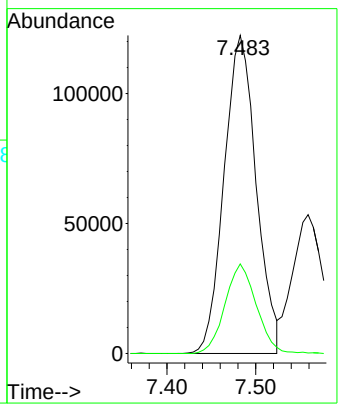




#25
2-Butanone
Concen: 237.635 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 43 Resp: 307765

Ion	Ratio	Lower	Upper
43	100		
72	28.2	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
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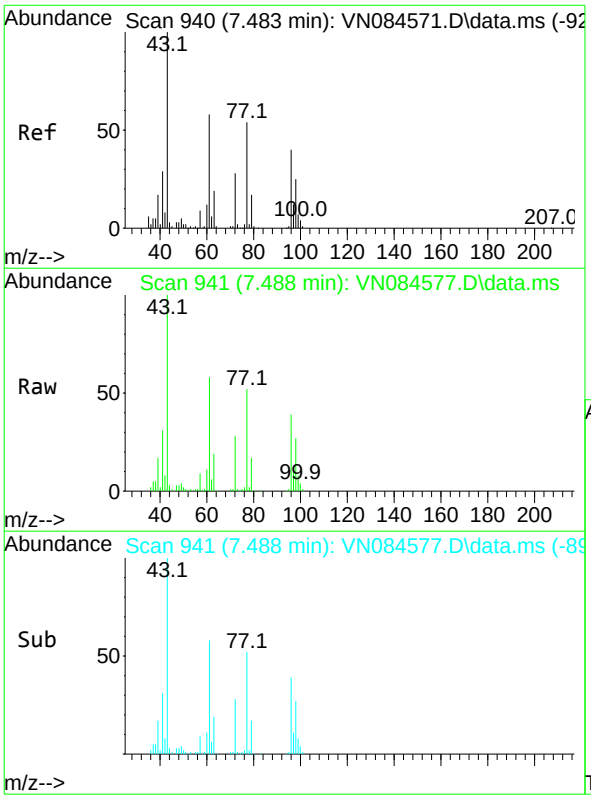
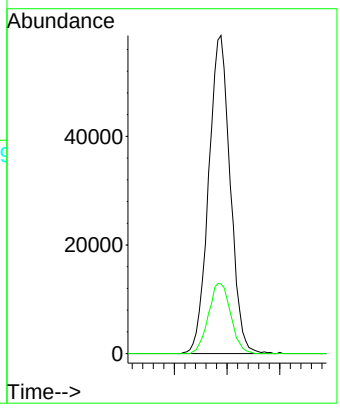
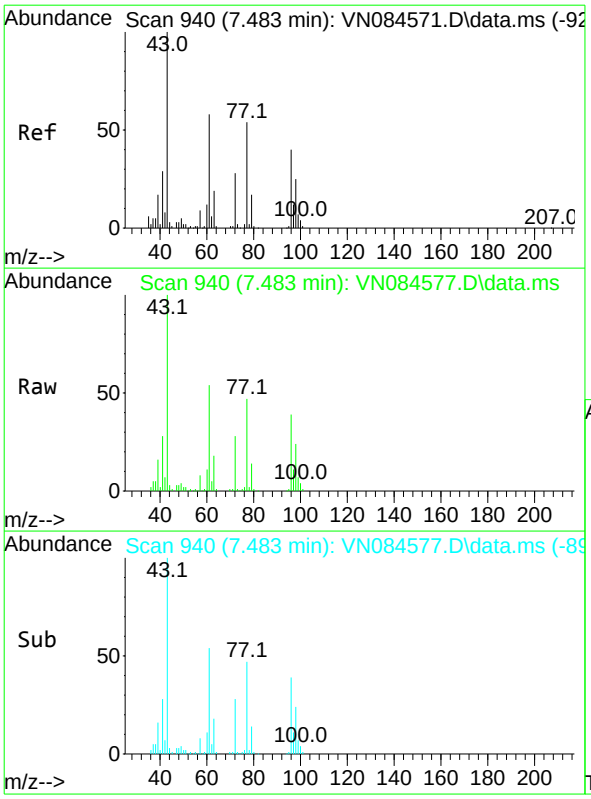


#26
2,2-Dichloropropane
Concen: 45.103 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 77 Resp: 166234

Ion	Ratio	Lower	Upper
77	100		
97	22.8	10.8	32.3

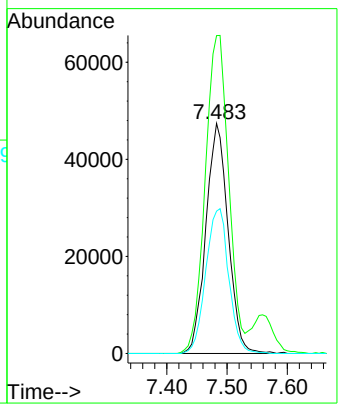




#27
cis-1,2-Dichloroethene
Concen: 46.214 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 96 Resp: 121280

Ion	Ratio	Lower	Upper
96	100		
61	145.9	0.0	301.8
98	65.2	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
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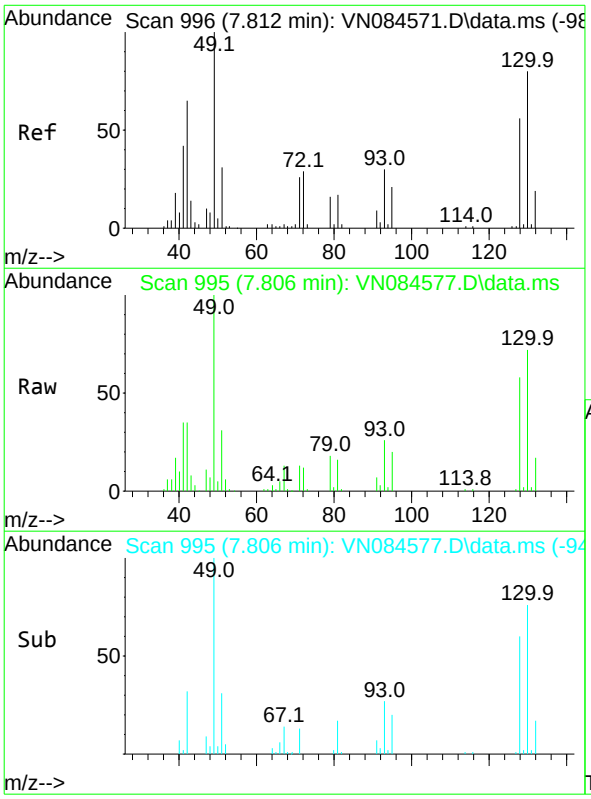
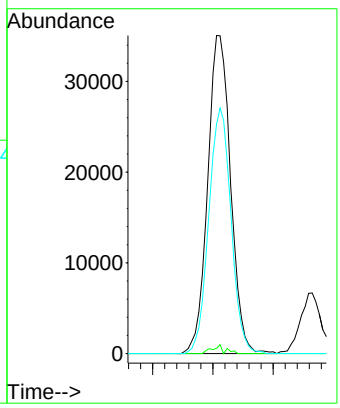
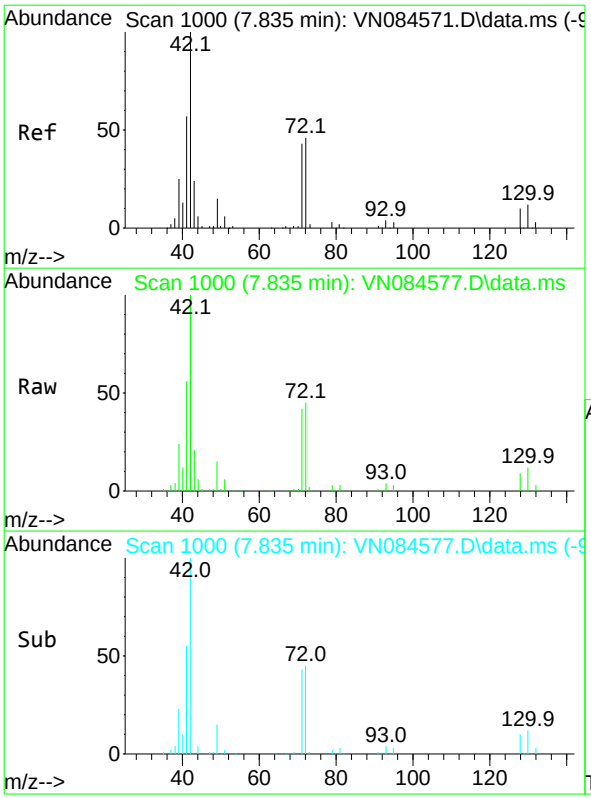


#28
Bromochloromethane
Concen: 54.971 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 49 Resp: 92741

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.6
130	75.0	58.0	87.0

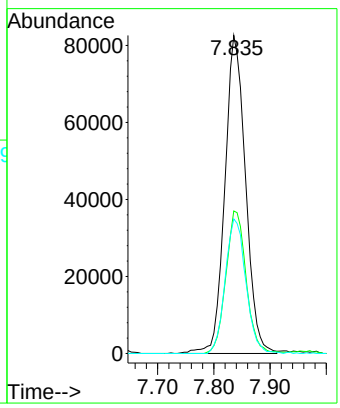




#29
Tetrahydrofuran
Concen: 245.822 ug/l
RT: 7.835 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 42 Resp: 211210

Ion	Ratio	Lower	Upper
42	100		
72	44.0	34.6	51.8
71	42.1	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

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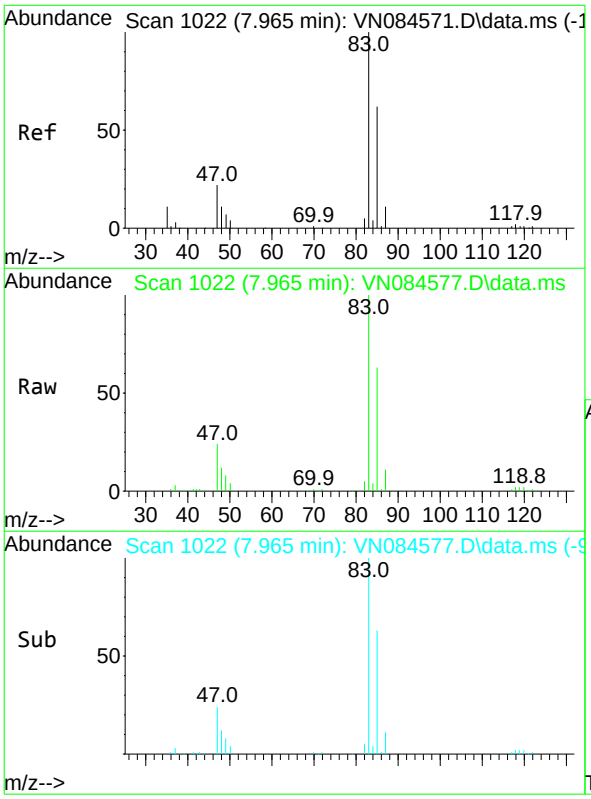
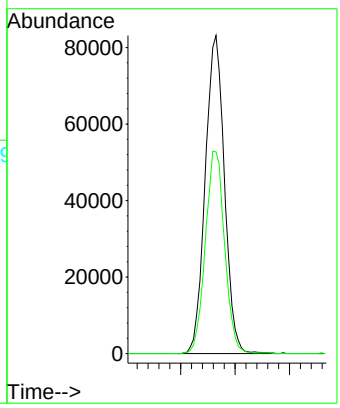
Supervised By :Mahesh Dadoda 11/04/2024

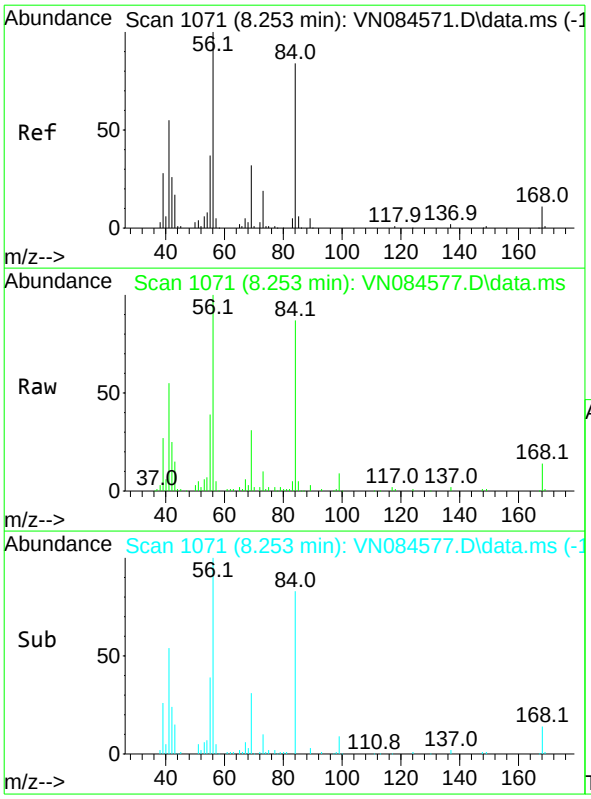


#30
Chloroform
Concen: 47.316 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 83 Resp: 203935

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.0	76.4

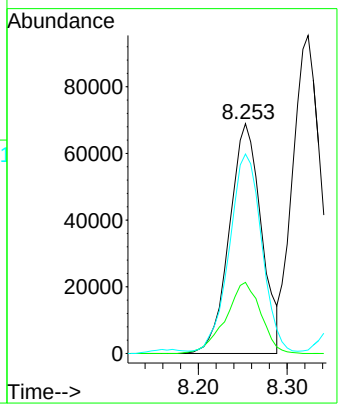




#31
Cyclohexane
Concen: 45.053 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 56 Resp: 172671

Ion	Ratio	Lower	Upper
56	100		
69	30.9	23.8	35.6
84	85.4	68.8	103.2



Instrument :
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ClientSampleId :
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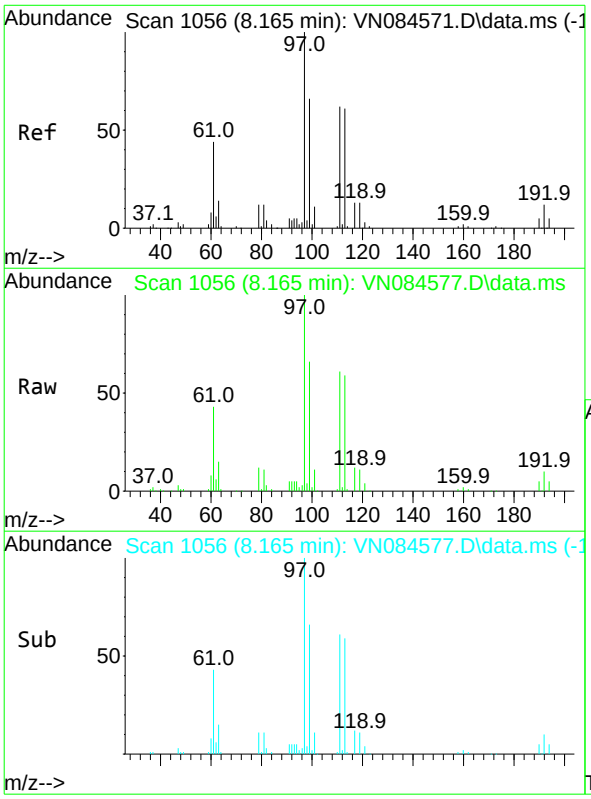
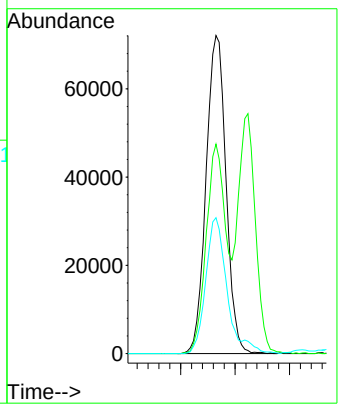
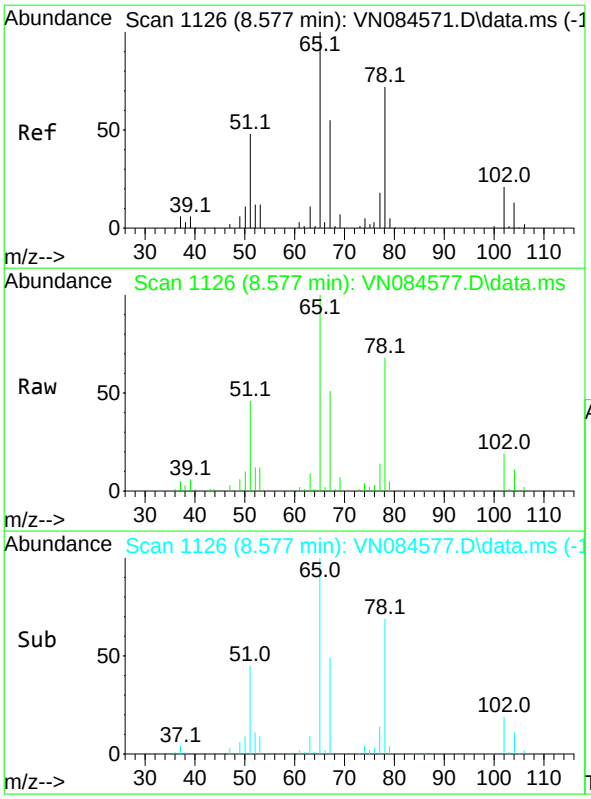


#32
1,1,1-Trichloroethane
Concen: 46.774 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 97 Resp: 183488

Ion	Ratio	Lower	Upper
97	100		
99	66.1	51.2	76.8
61	45.6	37.5	56.3

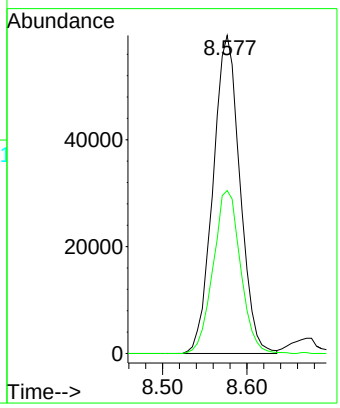




#33
1,2-Dichloroethane-d4
Concen: 47.560 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 65 Resp: 132029

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
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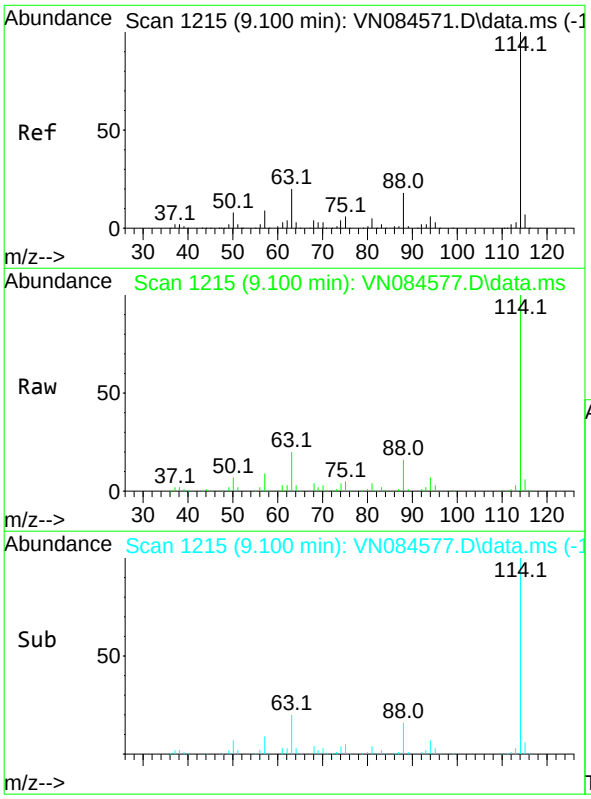
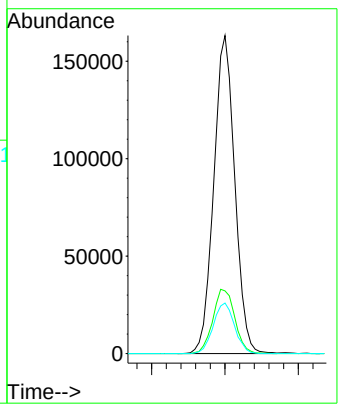
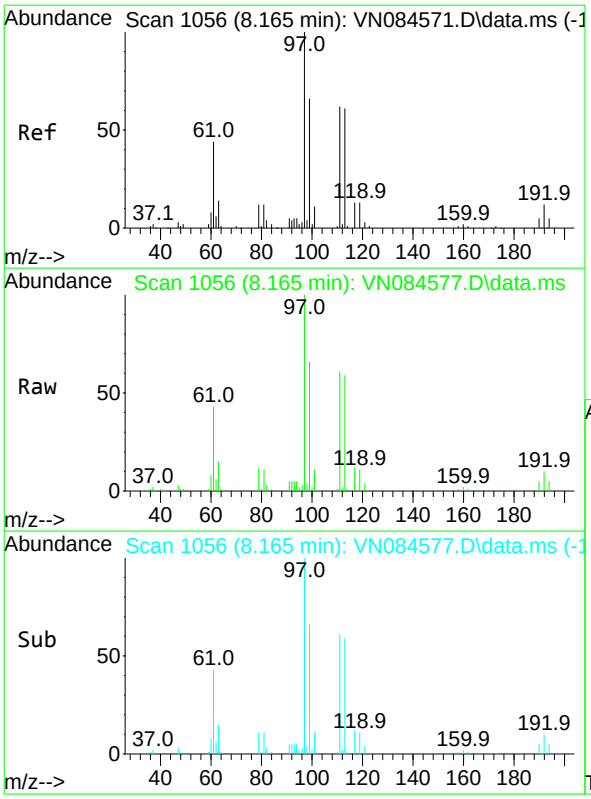


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:114 Resp: 324264

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	43.8
88	15.9	0.0	31.6

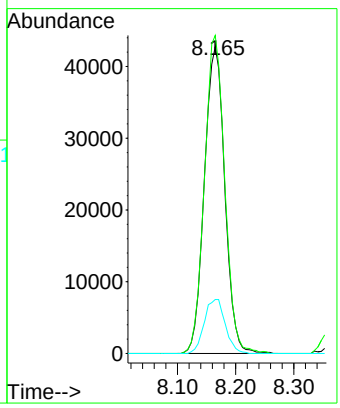




#35
Dibromofluoromethane
Concen: 47.522 ug/l
RT: 8.165 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:113 Resp: 104306

Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.3	124.9
192	18.1	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

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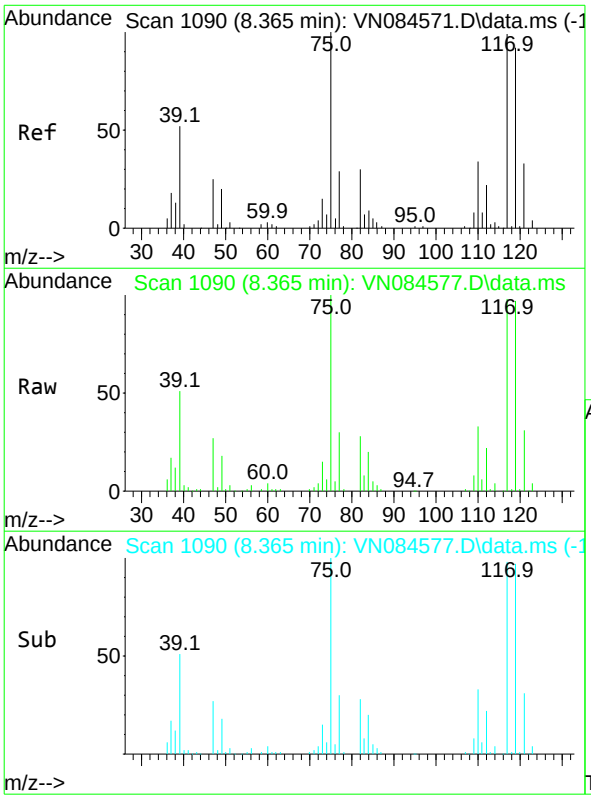
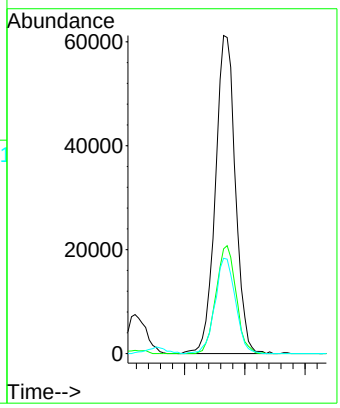
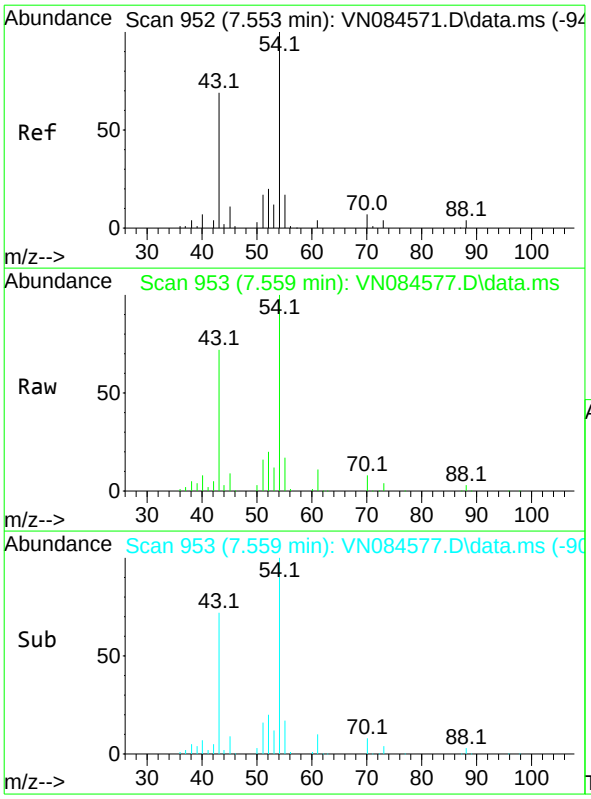


#36
1,1-Dichloropropene
Concen: 46.370 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 75 Resp: 141152

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.9	50.7
77	30.7	24.7	37.1

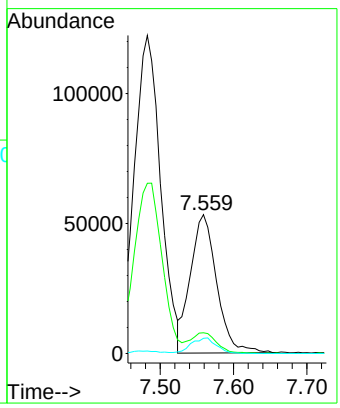




#37
Ethyl Acetate
Concen: 48.154 ug/l
RT: 7.559 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 43 Resp: 132993

Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.7	16.1
70	10.8	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

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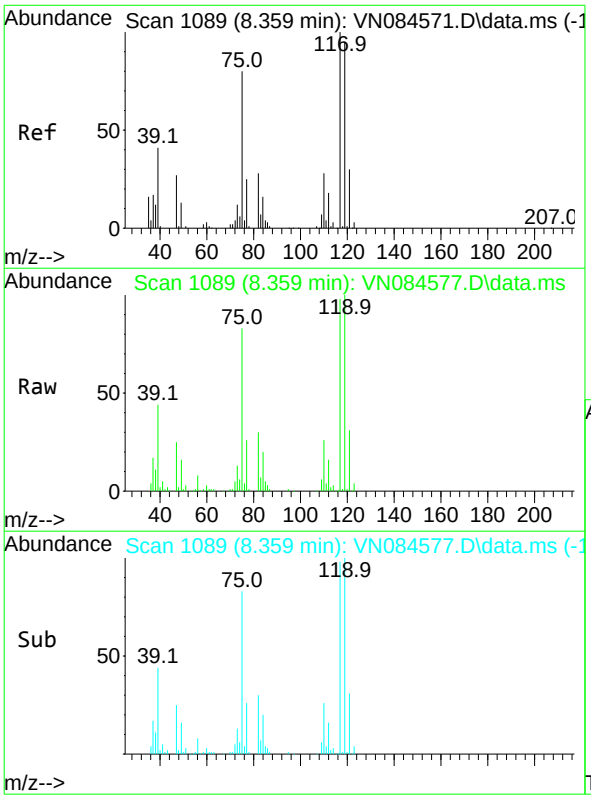
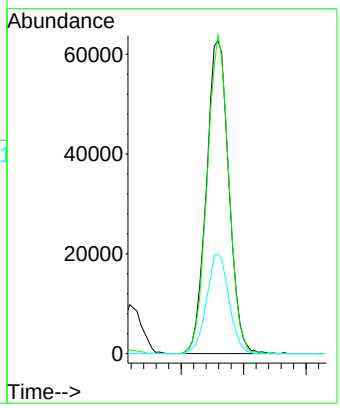
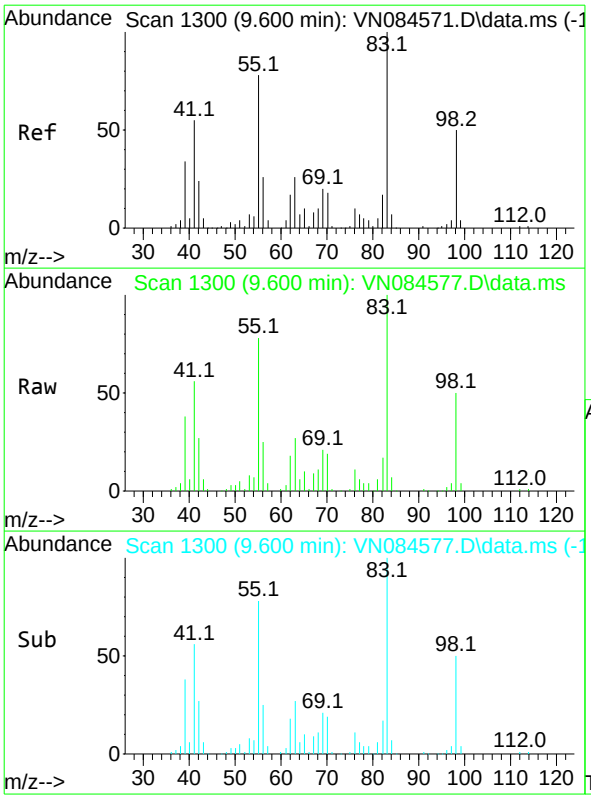


#38
Carbon Tetrachloride
Concen: 46.145 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:117 Resp: 157005

Ion	Ratio	Lower	Upper
117	100		
119	101.6	78.7	118.1
121	31.7	24.4	36.6

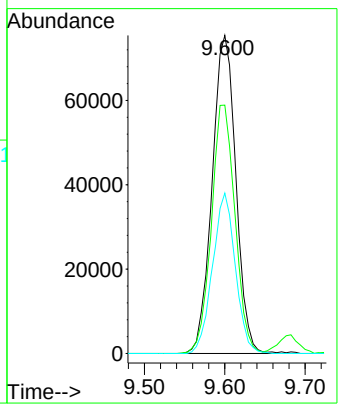




#39
Methylcyclohexane
Concen: 49.969 ug/l
RT: 9.600 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 83 Resp: 154743

Ion	Ratio	Lower	Upper
83	100		
55	78.1	62.8	94.2
98	50.4	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

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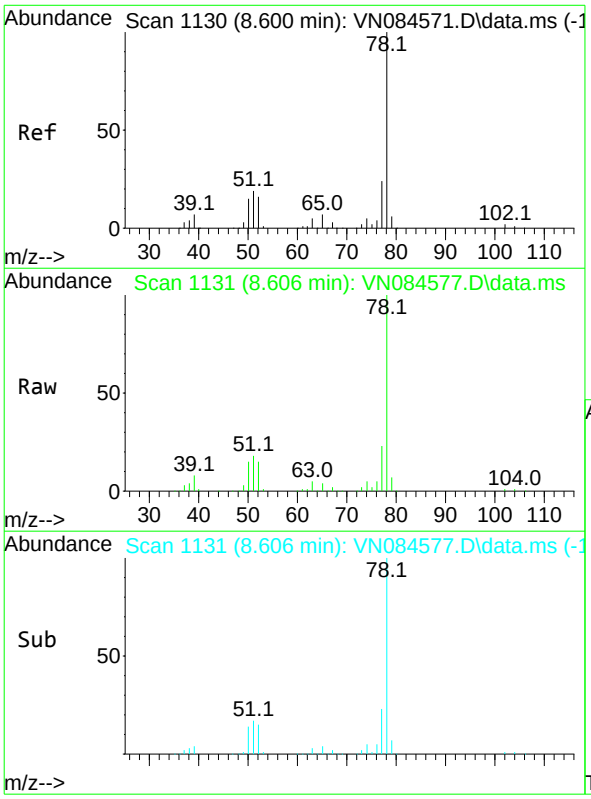
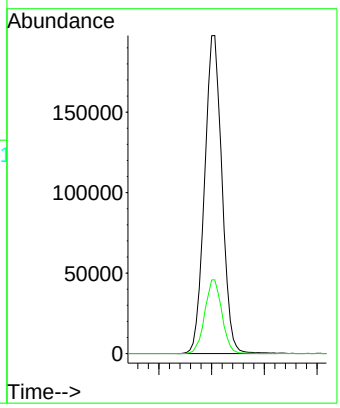
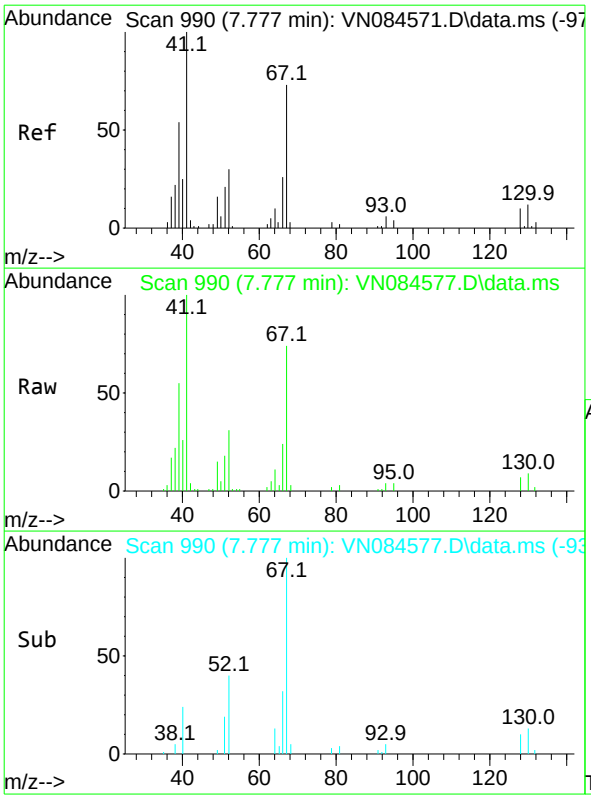


#40
Benzene
Concen: 46.273 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 78 Resp: 452351

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.1	28.7

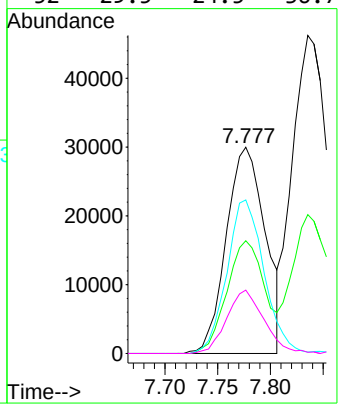




#41
Methacrylonitrile
Concen: 51.964 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 41 Resp: 77176

Ion	Ratio	Lower	Upper
41	100		
39	53.3	43.3	64.9
67	71.3	56.1	84.1
52	29.5	24.5	36.7



Instrument :
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ClientSampleId :
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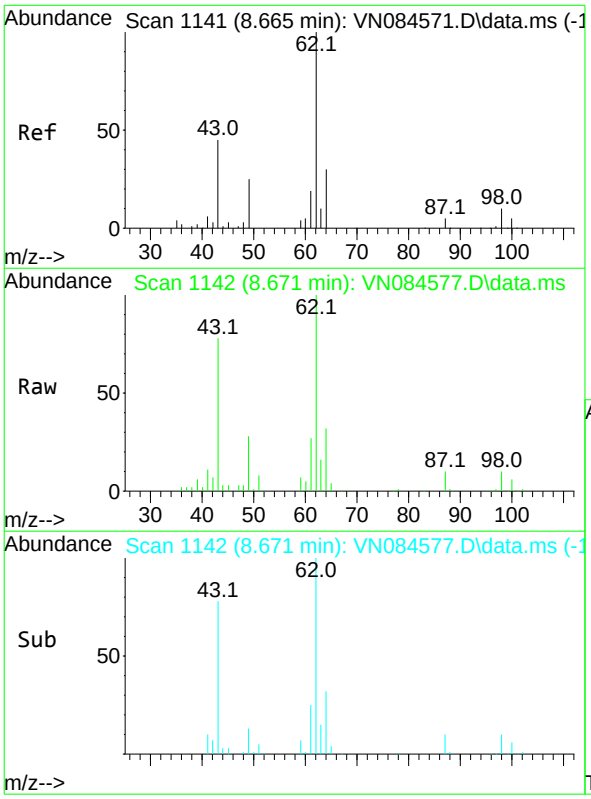
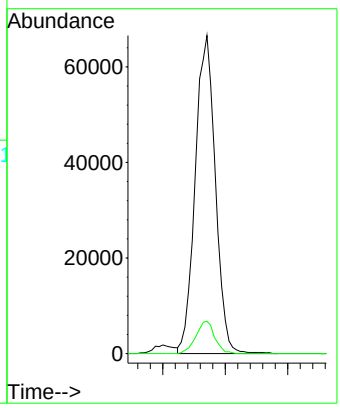
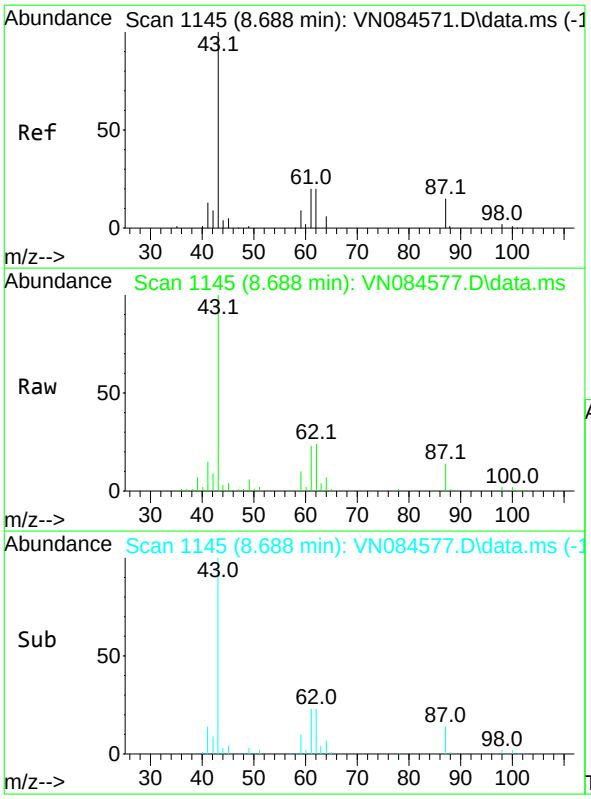


#42
1,2-Dichloroethane
Concen: 47.118 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 62 Resp: 149173

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2

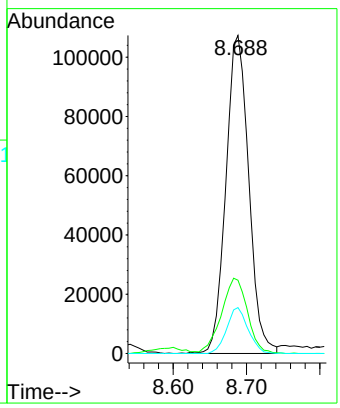




#43
Isopropyl Acetate
Concen: 45.492 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 43 Resp: 232558

Ion	Ratio	Lower	Upper
43	100		
61	26.9	20.4	30.6
87	13.5	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
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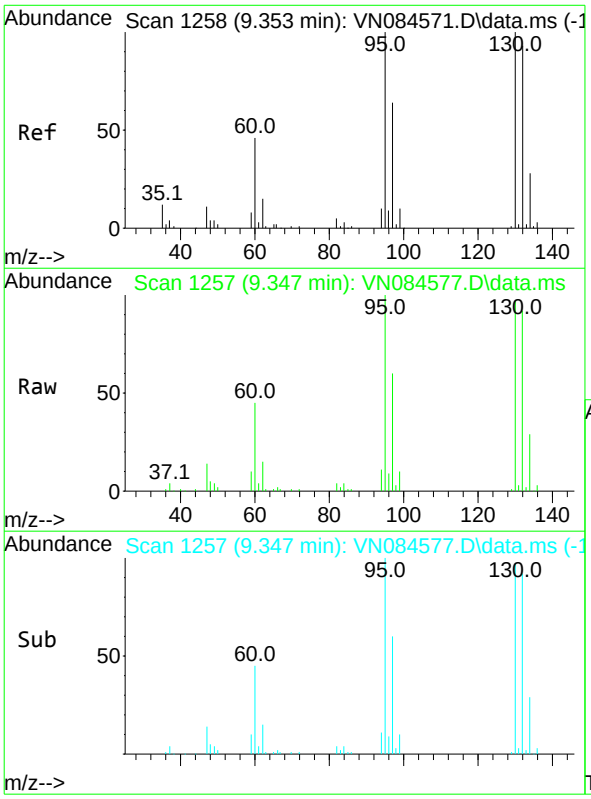
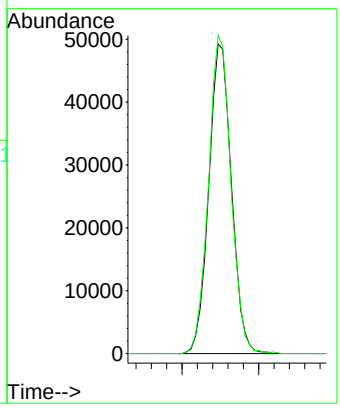
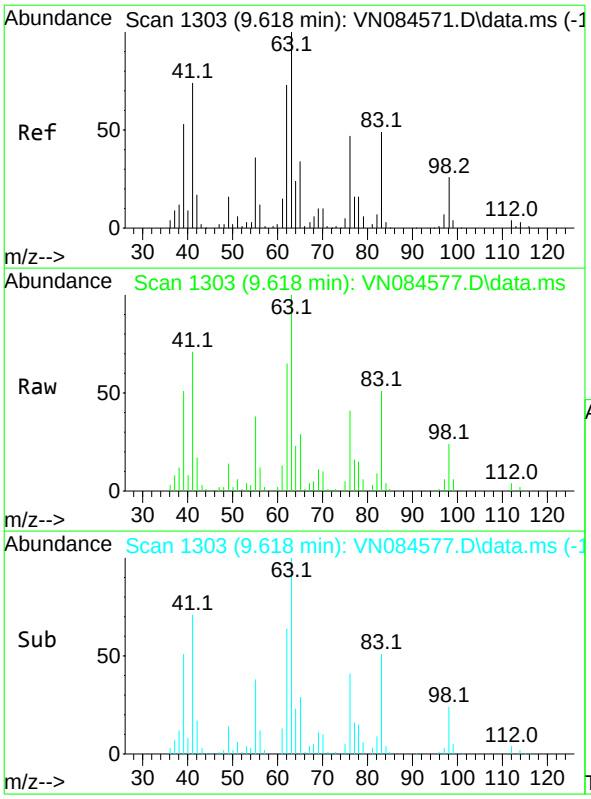


#44
Trichloroethene
Concen: 44.732 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:130 Resp: 100849

Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	203.0

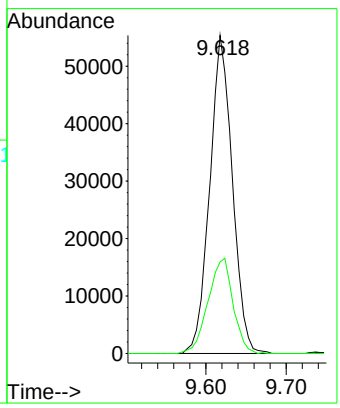




#45
1,2-Dichloropropane
Concen: 47.196 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 63 Resp: 108229

Ion	Ratio	Lower	Upper
63	100		
65	28.8	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

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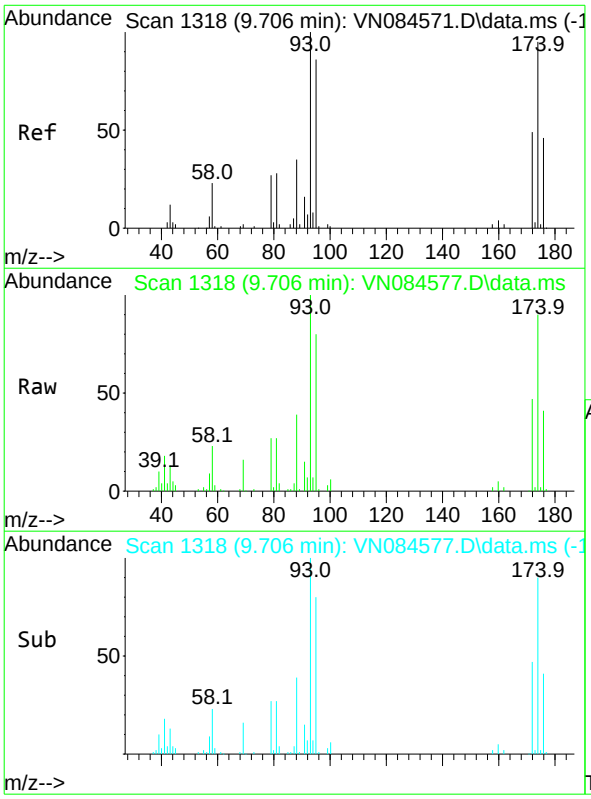
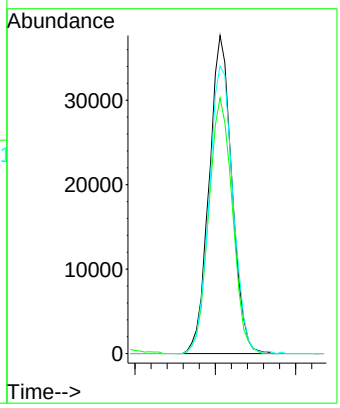
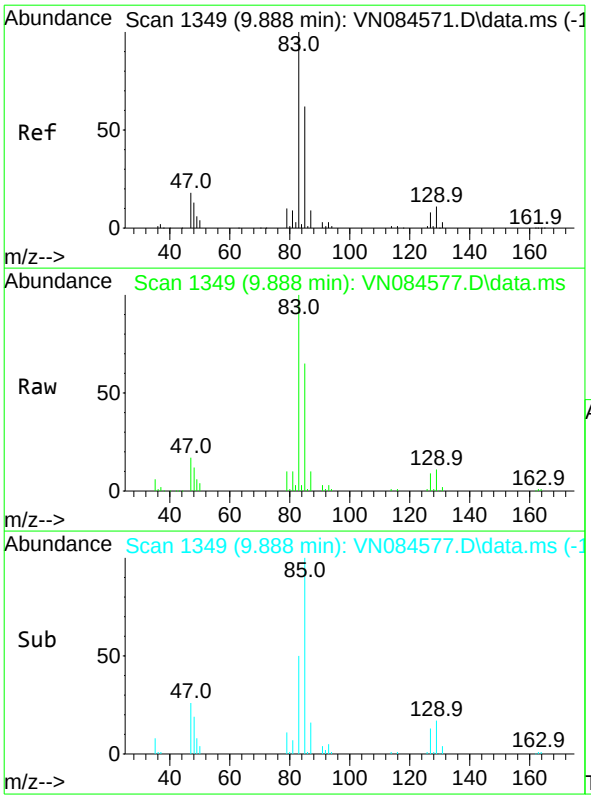


#46
Dibromomethane
Concen: 45.911 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 93 Resp: 74292

Ion	Ratio	Lower	Upper
93	100		
95	83.1	65.0	97.4
174	94.6	71.8	107.8

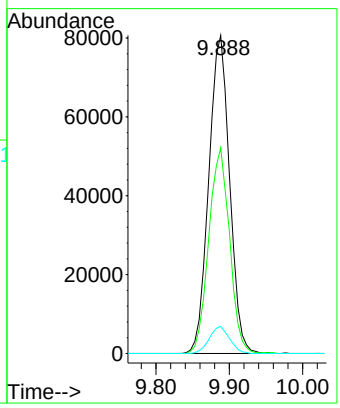




#47
Bromodichloromethane
Concen: 46.560 ug/l
RT: 9.888 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 83 Resp: 158814

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.5	77.3
127	8.5	5.7	8.5#



Instrument :
MSVOA_N
ClientSampleId :
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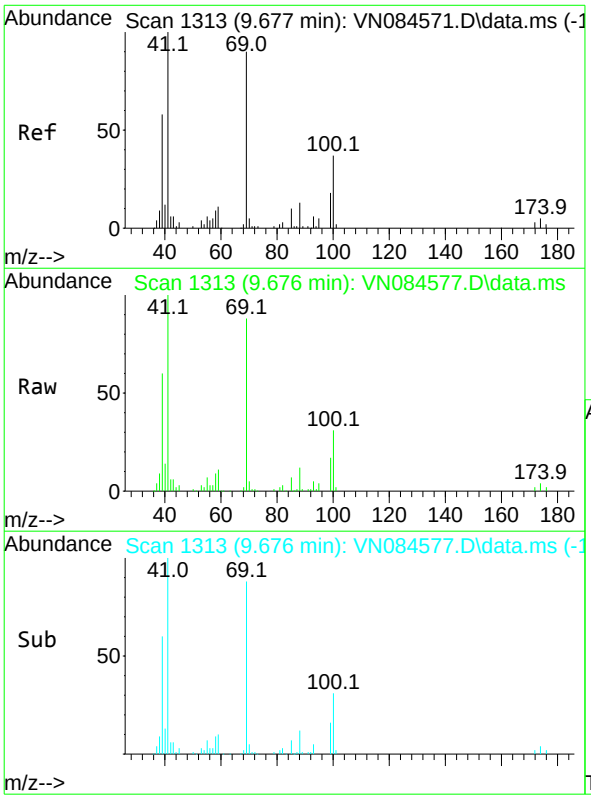
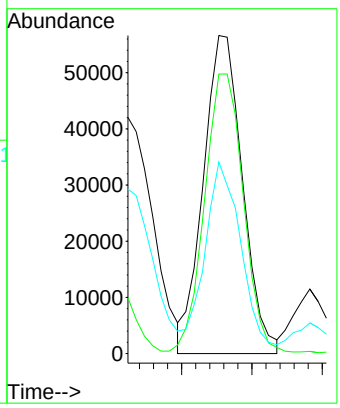
Supervised By :Mahesh Dadoda 11/04/2024

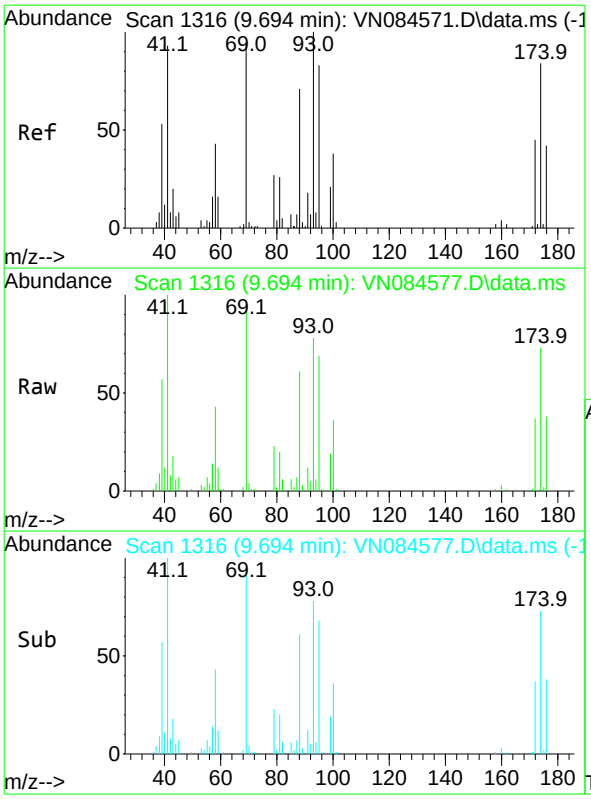


#48
Methyl methacrylate
Concen: 51.057 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 41 Resp: 109745

Ion	Ratio	Lower	Upper
41	100		
69	87.5	67.1	100.7
39	56.5	45.8	68.6

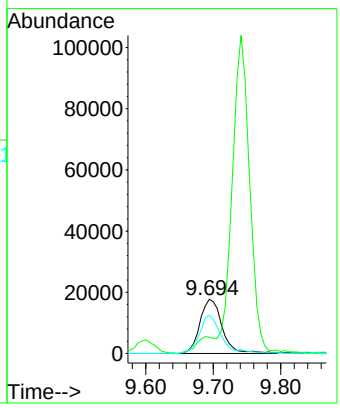




#49
1,4-Dioxane
Concen: 1063.992 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 88 Resp: 40527

Ion	Ratio	Lower	Upper
88	100		
43	24.5	25.3	37.9#
58	69.9	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
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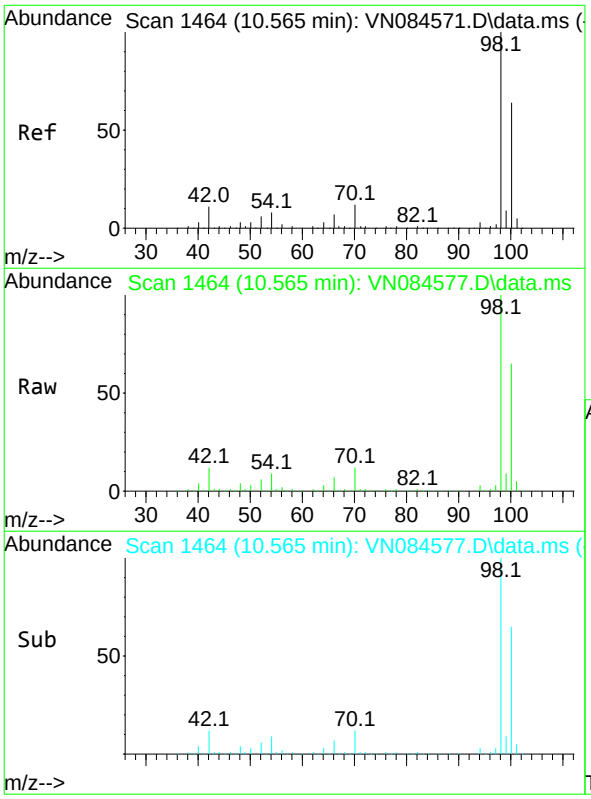
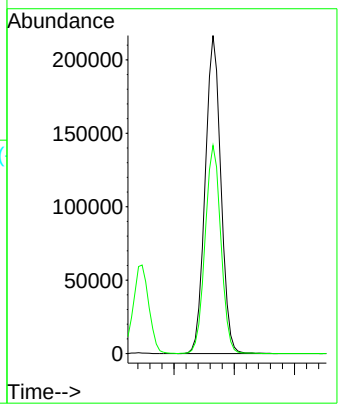
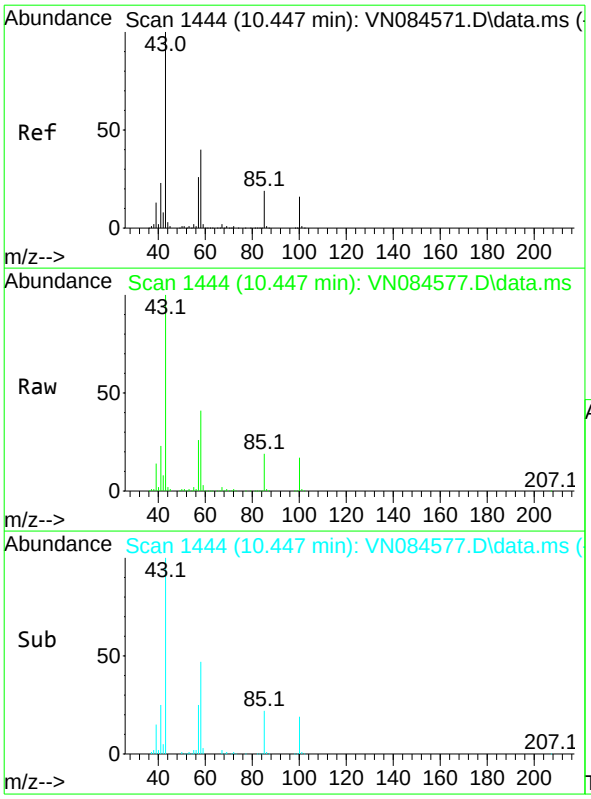


#50
Toluene-d8
Concen: 48.359 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 98 Resp: 390989

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.7	79.1

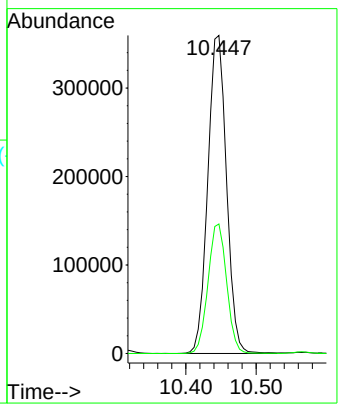




#51
4-Methyl-2-Pentanone
Concen: 252.729 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 43 Resp: 665397

Ion	Ratio	Lower	Upper
43	100		
58	40.5	31.6	47.4



Instrument :
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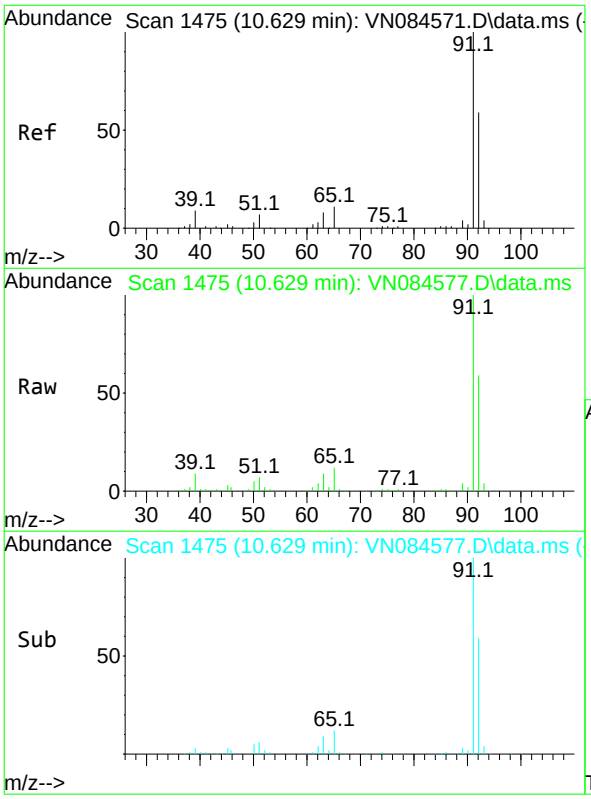
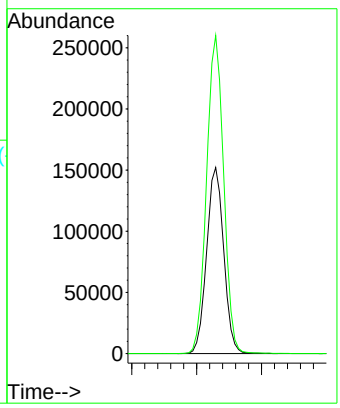
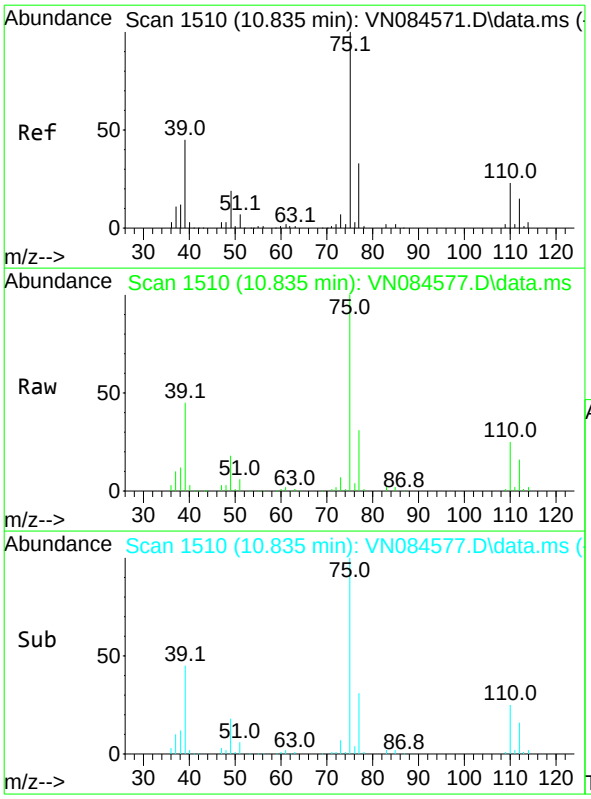


#52
Toluene
Concen: 48.616 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 92 Resp: 277957

Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.3	205.9

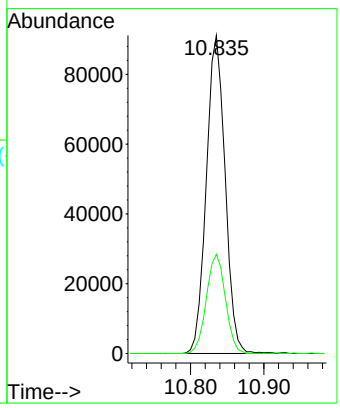




#53
t-1,3-Dichloropropene
Concen: 45.911 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 75 Resp: 162100

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
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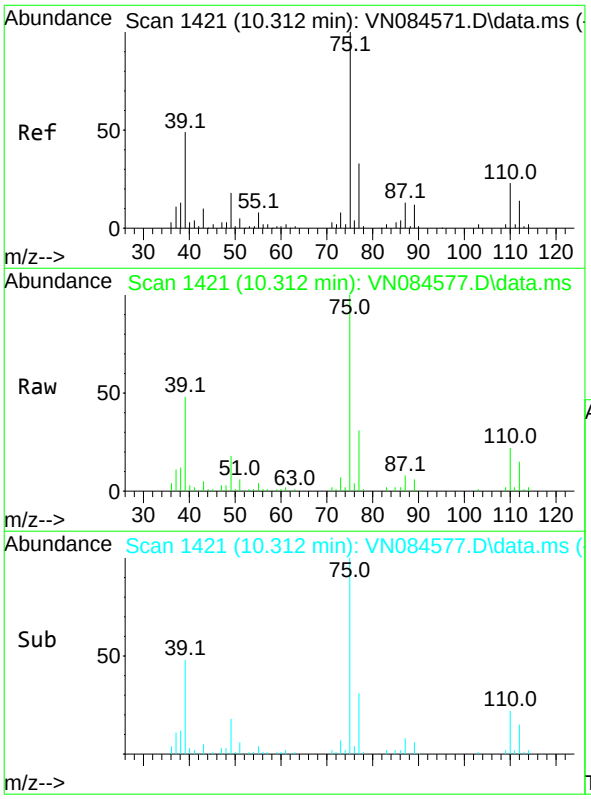
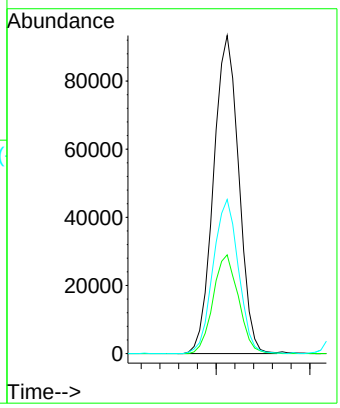
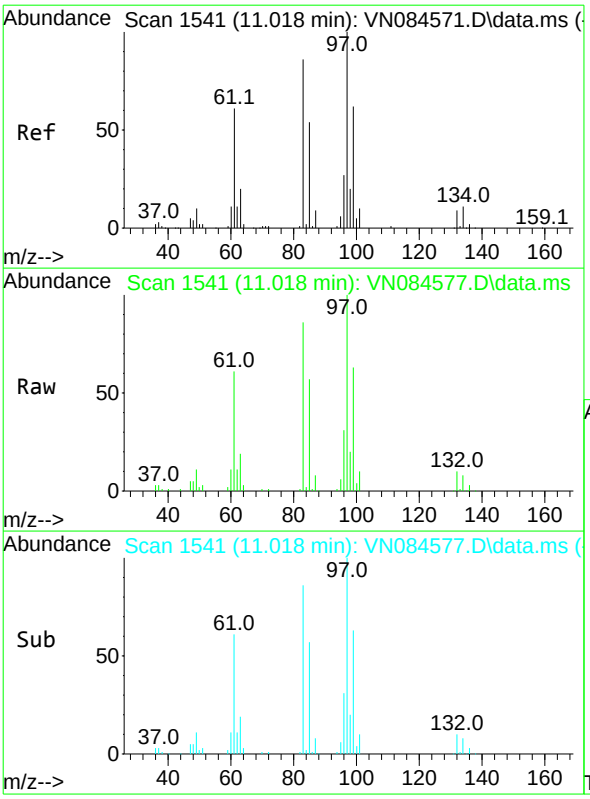


#54
cis-1,3-Dichloropropene
Concen: 46.832 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 75 Resp: 175008

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.2	36.2
39	48.4	38.7	58.1

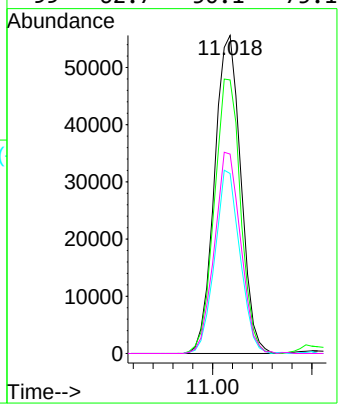




#55
1,1,2-Trichloroethane
Concen: 47.618 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 97 Resp: 102553

Ion	Ratio	Lower	Upper
97	100		
83	86.0	71.0	106.4
85	56.6	41.7	62.5
99	62.7	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
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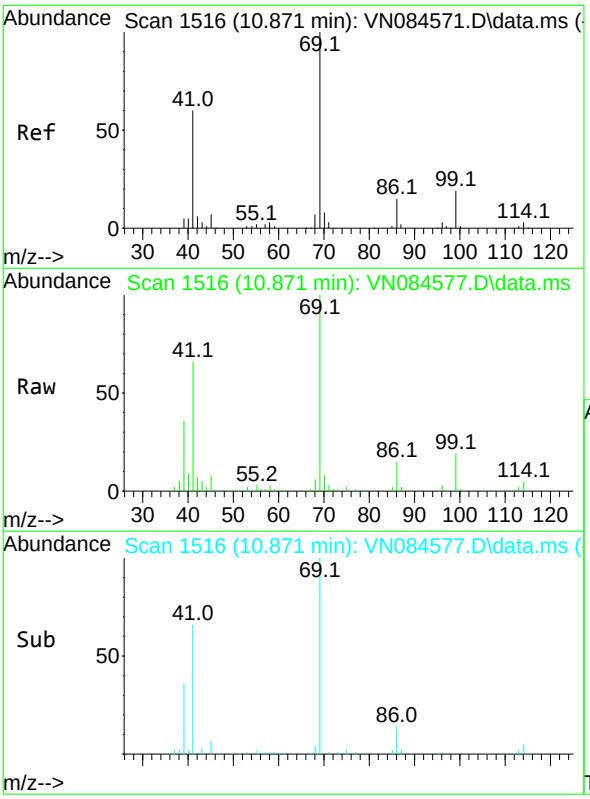
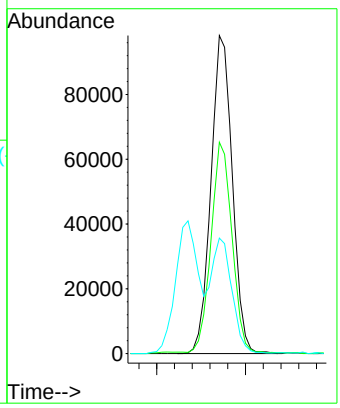
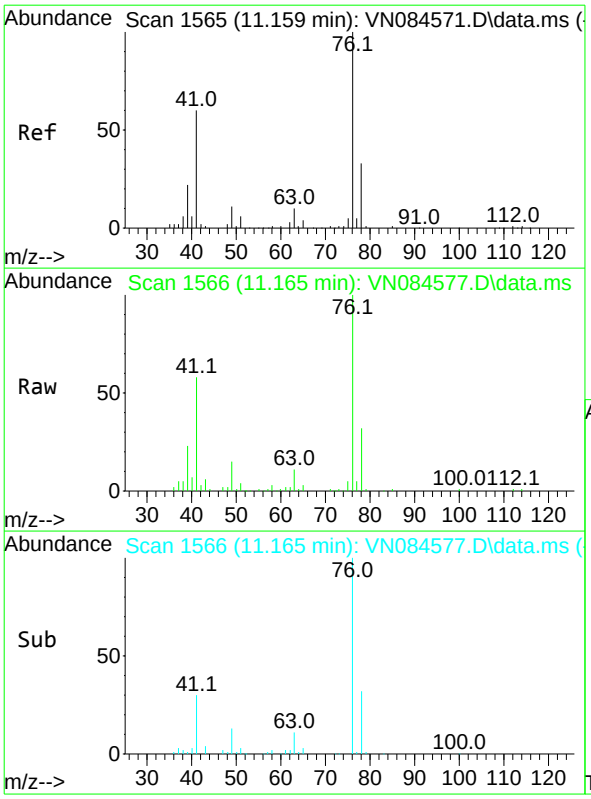


#56
Ethyl methacrylate
Concen: 52.764 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 69 Resp: 164370

Ion	Ratio	Lower	Upper
69	100		
41	65.0	53.3	79.9
39	35.6	28.8	43.2

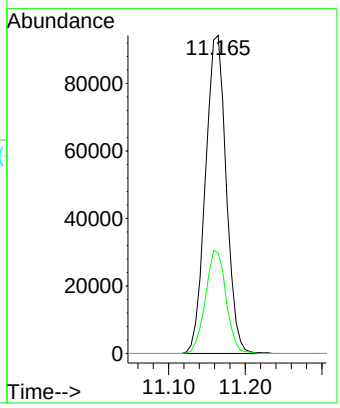




#57
1,3-Dichloropropane
Concen: 47.765 ug/l
RT: 11.165 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 76 Resp: 176546

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

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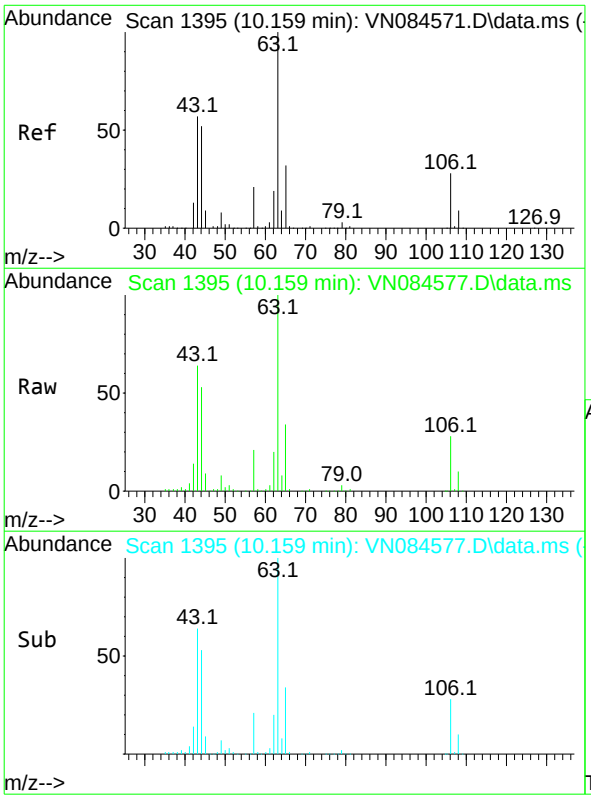
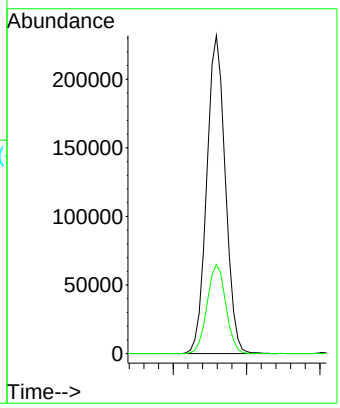
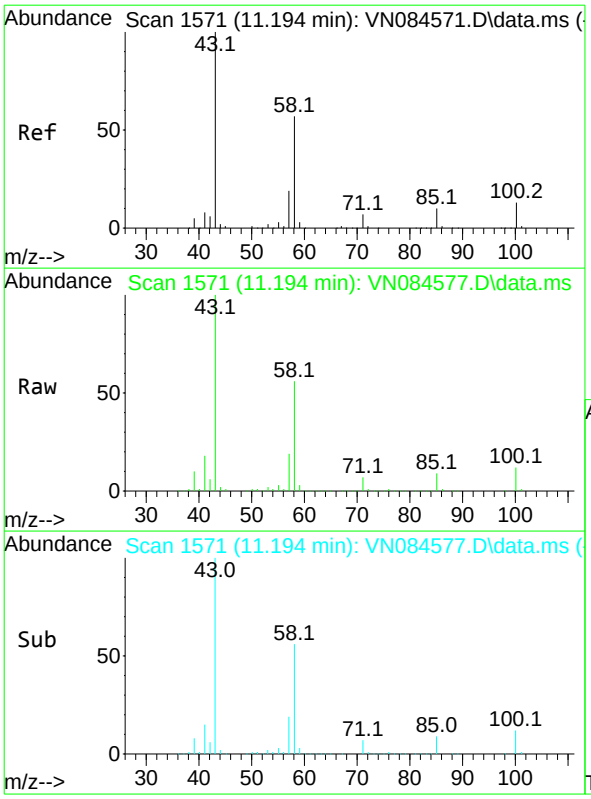


#58
2-Chloroethyl Vinyl ether
Concen: 280.013 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 63 Resp: 408174

Ion	Ratio	Lower	Upper
63	100		
106	28.2	21.8	32.6

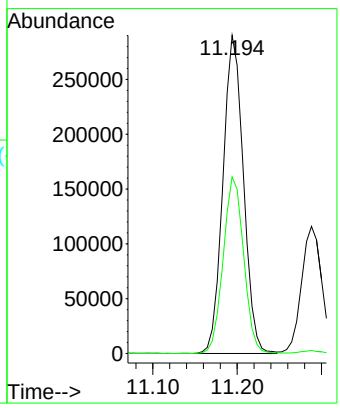




#59
2-Hexanone
Concen: 255.570 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 43 Resp: 489776

Ion	Ratio	Lower	Upper
43	100		
58	55.4	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
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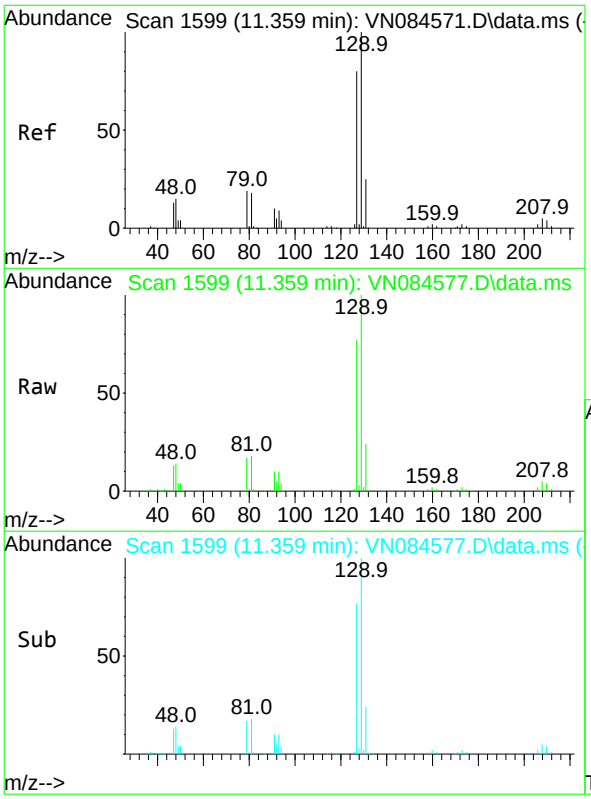
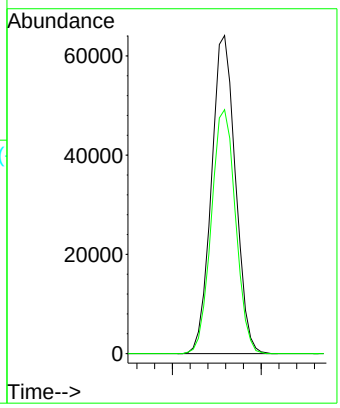
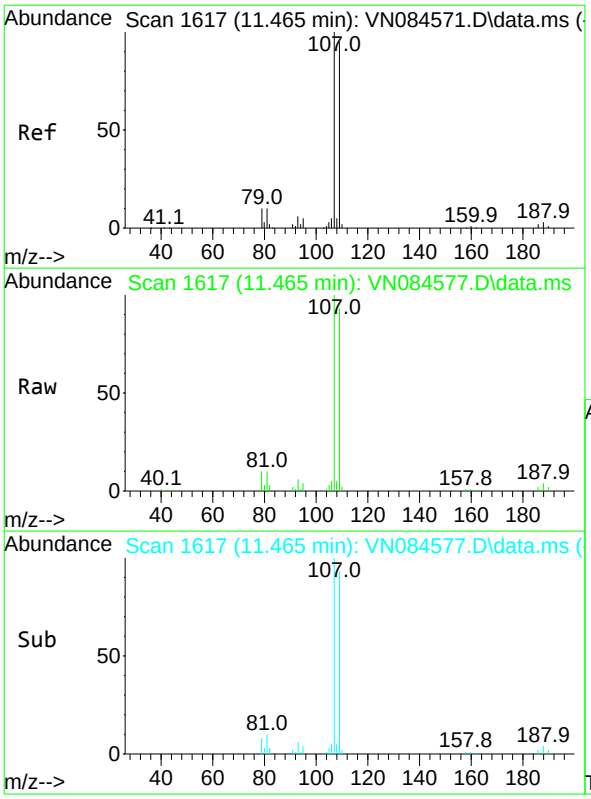


#60
Dibromochloromethane
Concen: 49.079 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:129 Resp: 120465

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.3	114.9

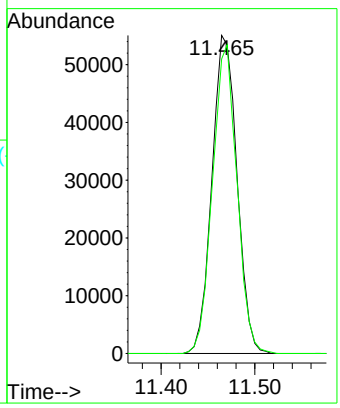




#61
1,2-Dibromoethane
Concen: 46.393 ug/l
RT: 11.465 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:107 Resp: 102316

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
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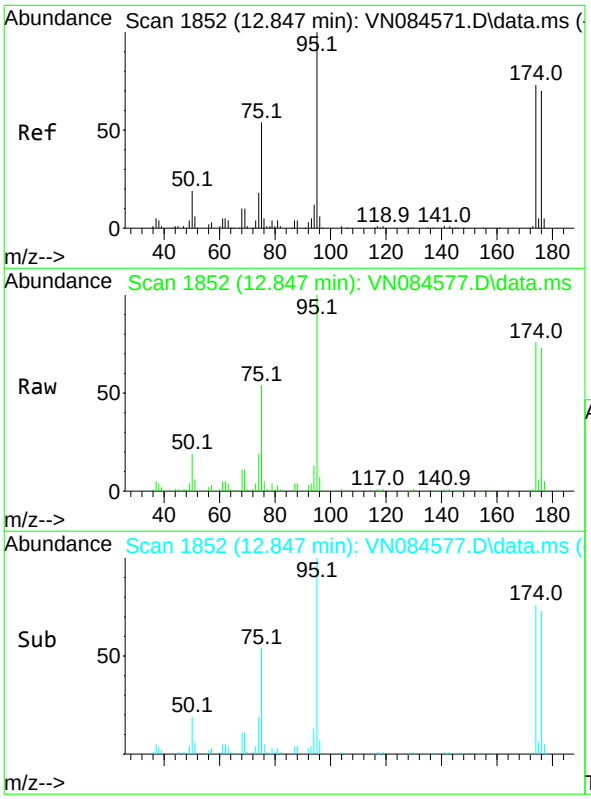
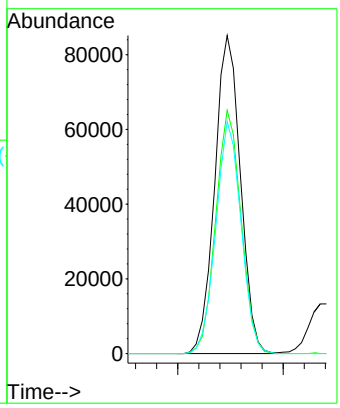
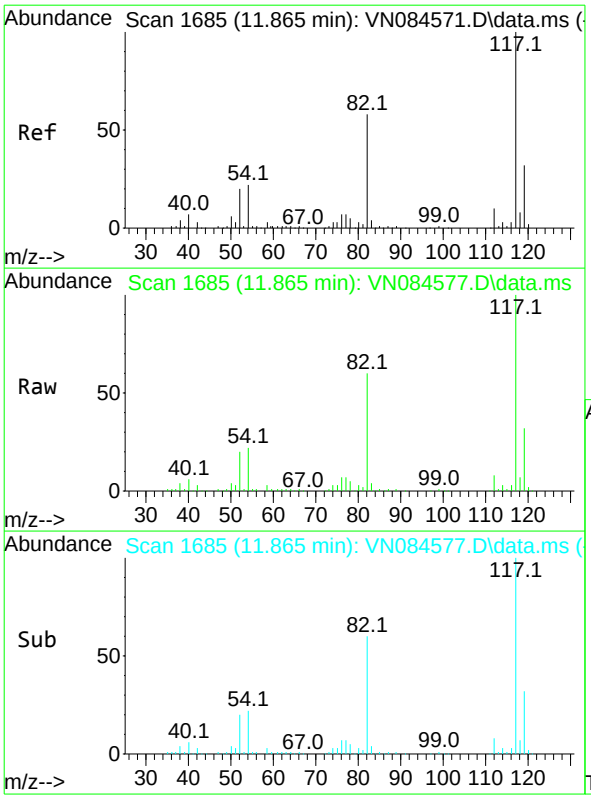


#62
4-Bromofluorobenzene
Concen: 47.715 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 95 Resp: 144180

Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	145.2
176	71.7	0.0	140.0

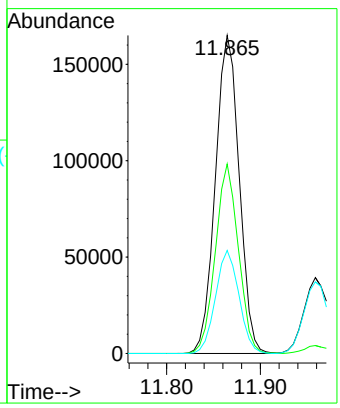




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:117 Resp: 291586

Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.2	70.8
119	32.4	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
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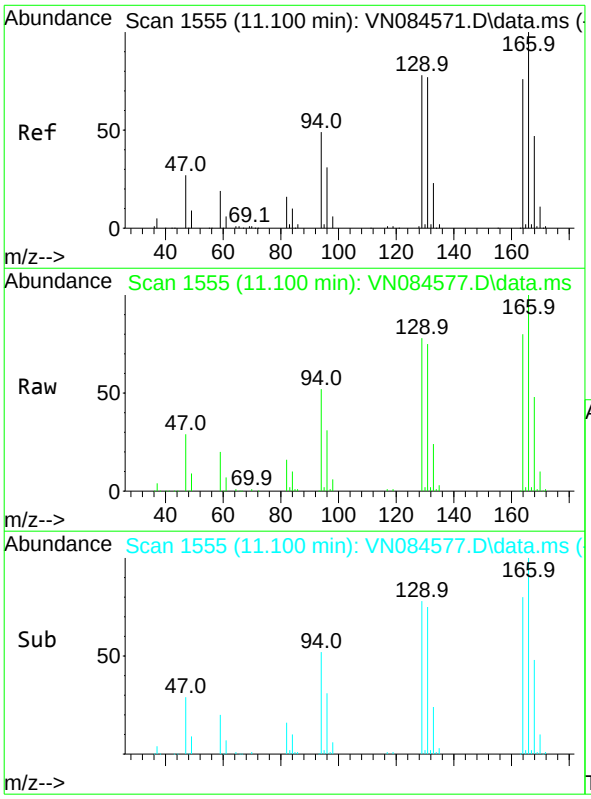
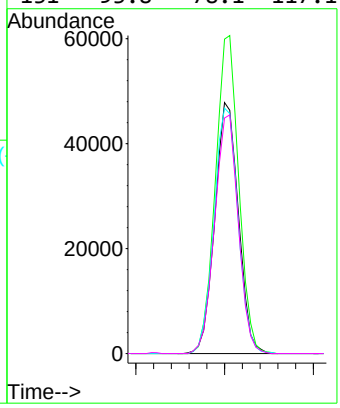
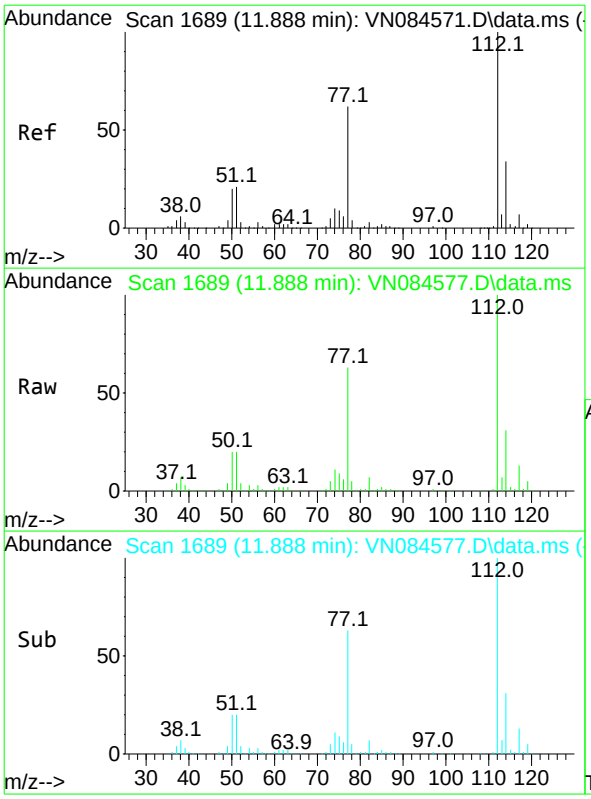


#64
Tetrachloroethene
Concen: 45.436 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:164 Resp: 88124

Ion	Ratio	Lower	Upper
164	100		
166	125.3	101.0	151.4
129	97.8	80.8	121.2
131	93.8	78.1	117.1

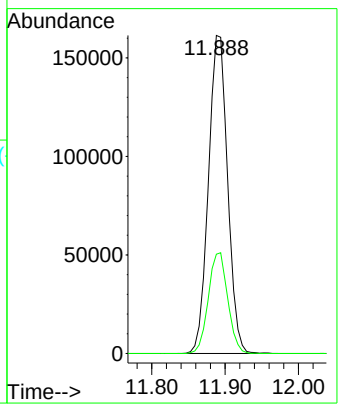




#65
Chlorobenzene
Concen: 44.872 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:112 Resp: 292713

Ion	Ratio	Lower	Upper
112	100		
114	31.2	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
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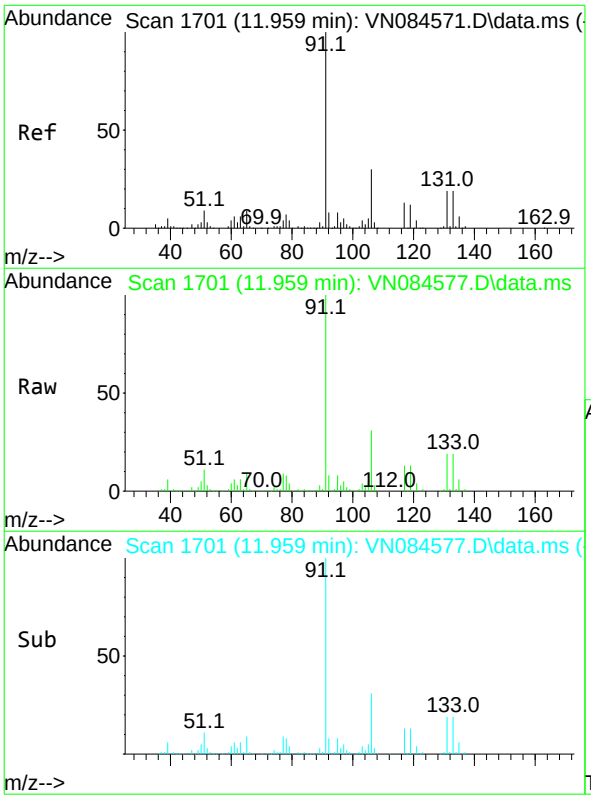
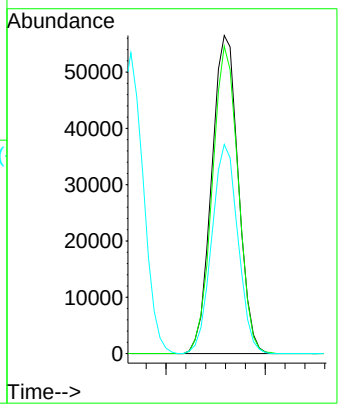
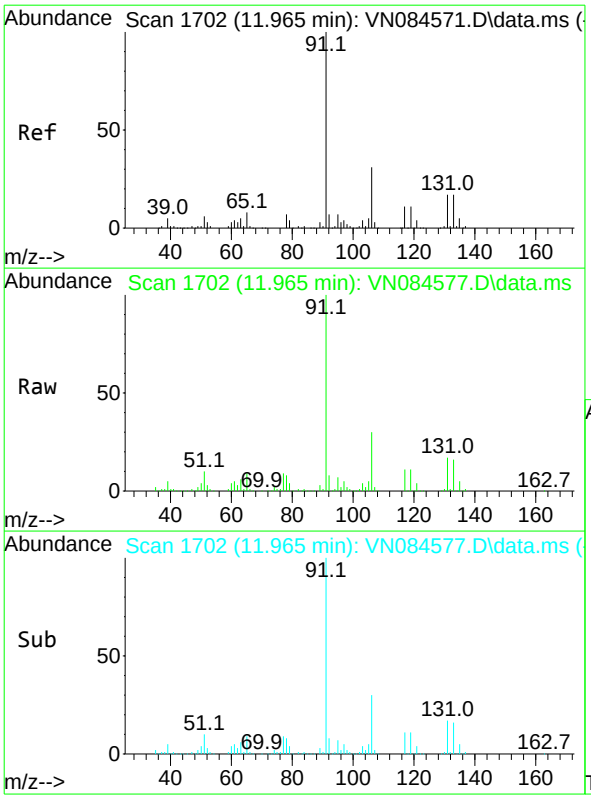


#66
1,1,1,2-Tetrachloroethane
Concen: 46.323 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:131 Resp: 105108

Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.9	143.7
119	64.7	32.8	98.3

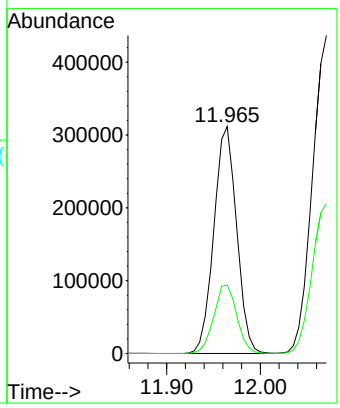




#67
Ethyl Benzene
Concen: 48.319 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 91 Resp: 526140

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.5	36.7



Instrument :
MSVOA_N
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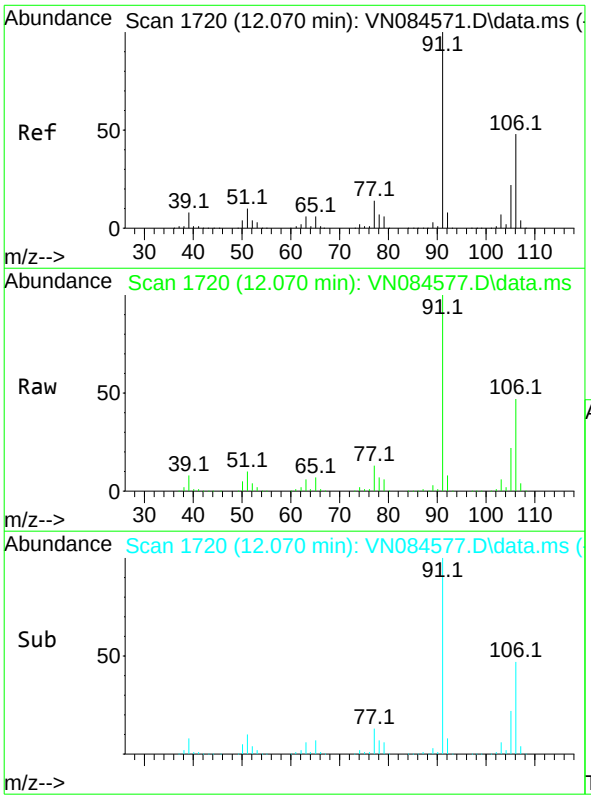
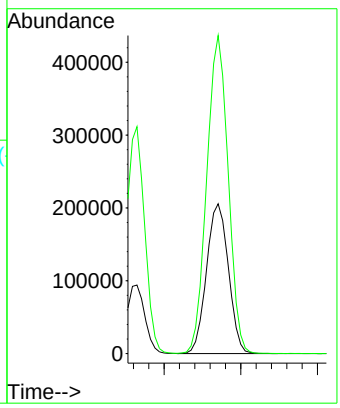
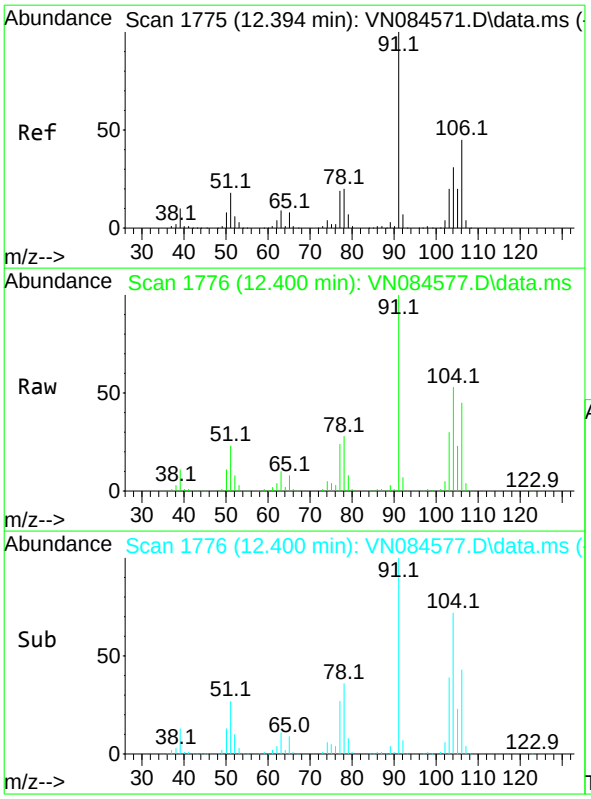


#68
m/p-Xylenes
Concen: 98.979 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:106 Resp: 408029

Ion	Ratio	Lower	Upper
106	100		
91	207.3	167.1	250.7

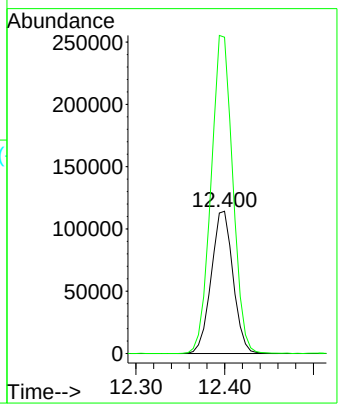




#69
o-Xylene
Concen: 50.538 ug/l
RT: 12.400 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:106 Resp: 194895

Ion	Ratio	Lower	Upper
106	100		
91	222.7	110.2	330.6



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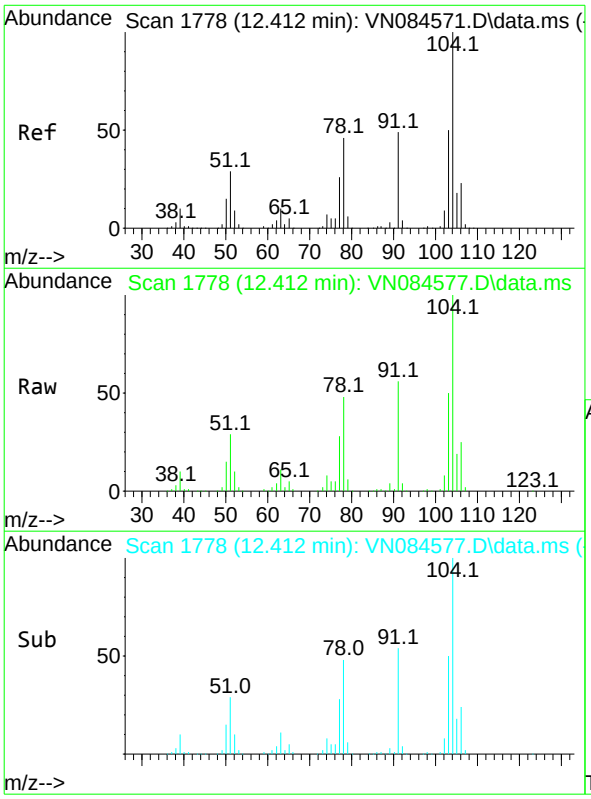
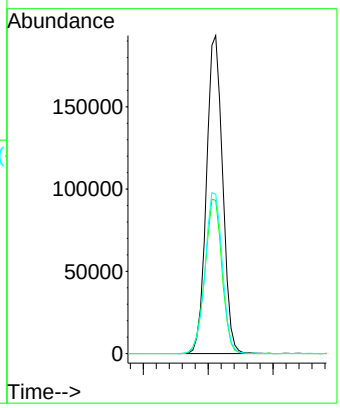
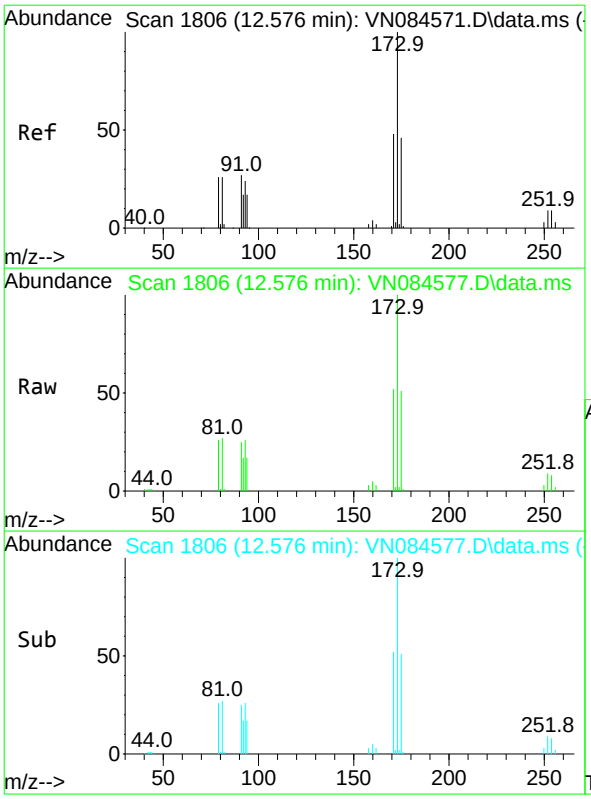


#70
Styrene
Concen: 49.600 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:104 Resp: 333668

Ion	Ratio	Lower	Upper
104	100		
78	51.4	42.7	64.1
103	54.0	43.6	65.4

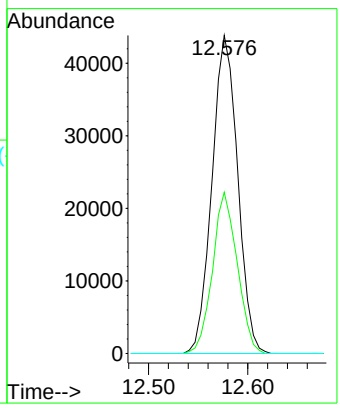




#71
Bromoform
Concen: 46.166 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:173 Resp: 78822

Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
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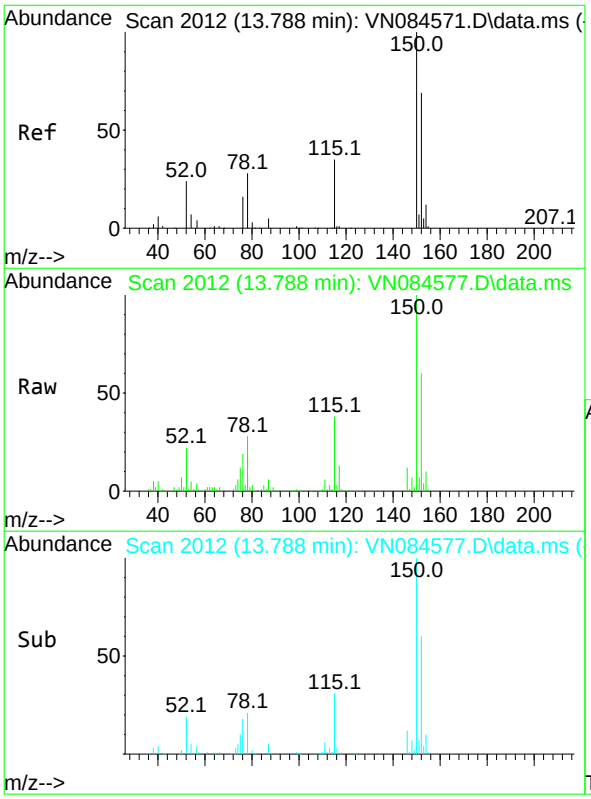
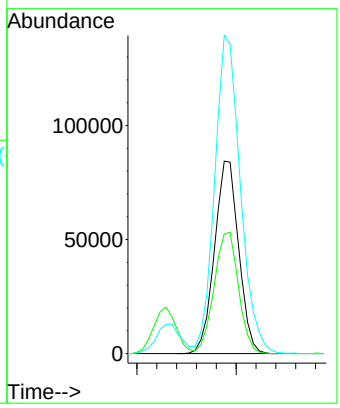
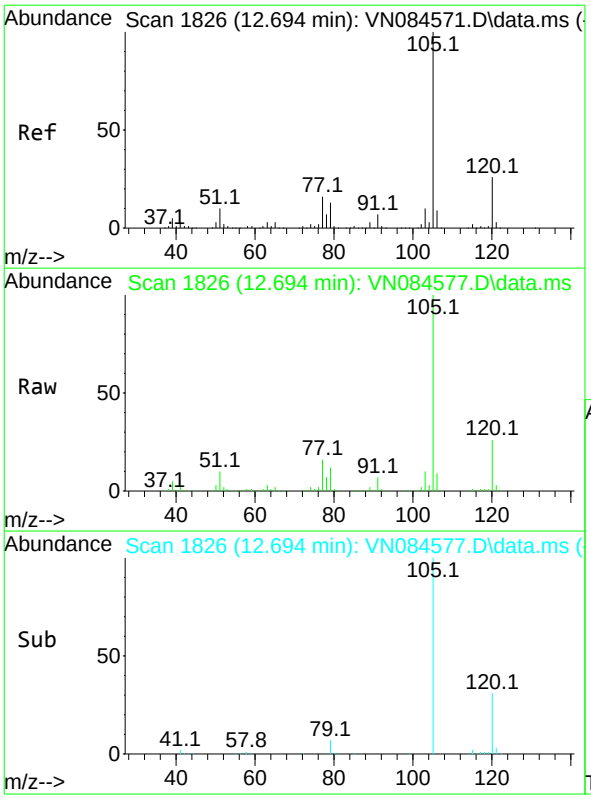


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:152 Resp: 142817

Ion	Ratio	Lower	Upper
152	100		
115	63.4	31.3	93.9
150	176.6	0.0	349.8

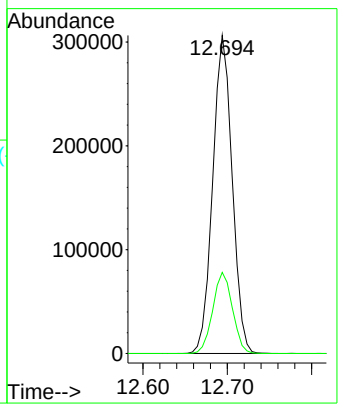




#73
Isopropylbenzene
Concen: 49.063 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:105 Resp: 491033

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
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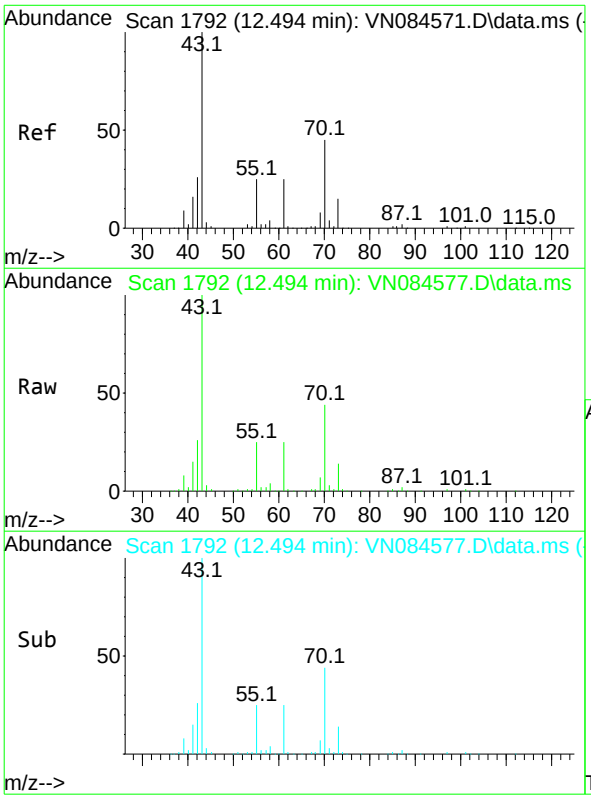
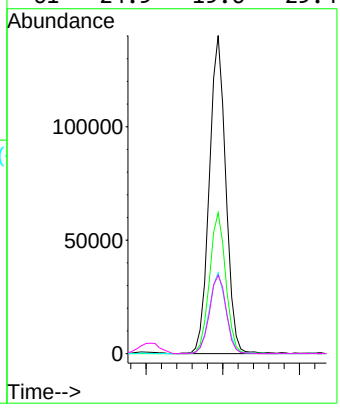
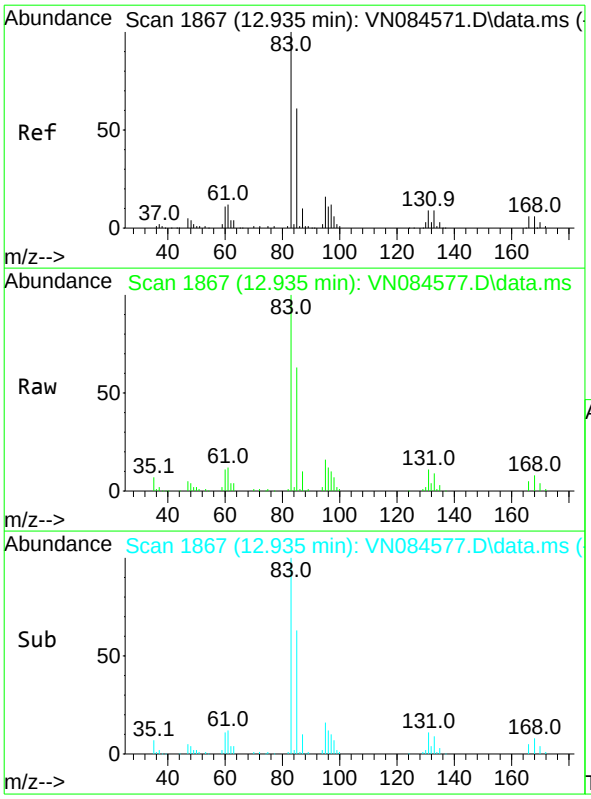


#74
N-amyl acetate
Concen: 49.076 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 43 Resp: 209049

Ion	Ratio	Lower	Upper
43	100		
70	43.5	34.4	51.6
55	25.6	19.6	29.4
61	24.9	19.6	29.4

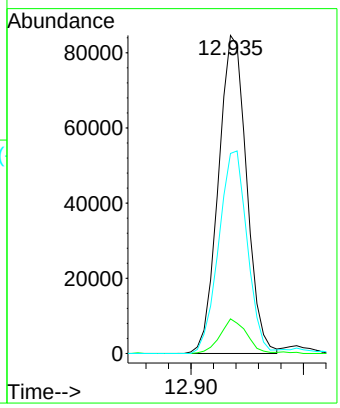




#75
1,1,2,2-Tetrachloroethane
Concen: 44.058 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 83 Resp: 147181

Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.9	14.7
85	64.5	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
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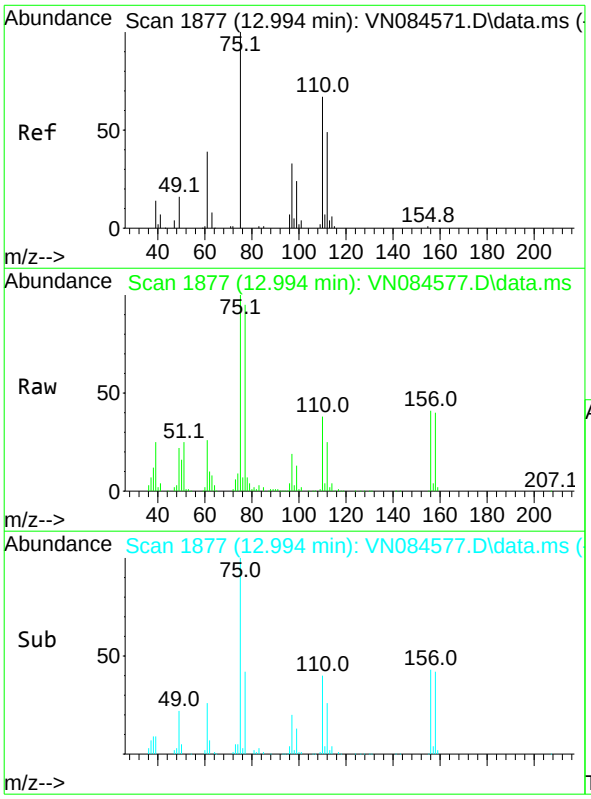
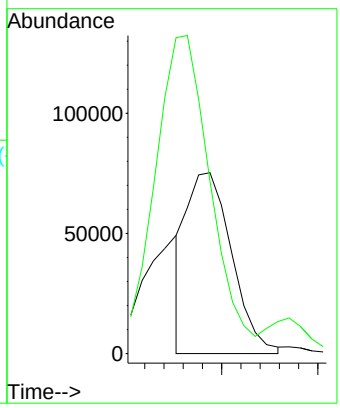
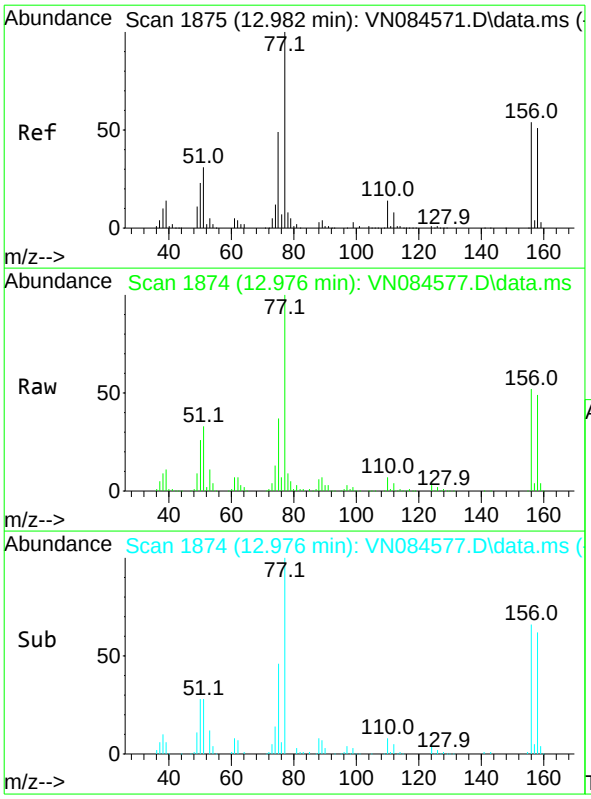


#76
1,2,3-Trichloropropane
Concen: 42.988 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 75 Resp: 122725

Ion	Ratio	Lower	Upper
75	100		
77	217.8	96.9	290.7

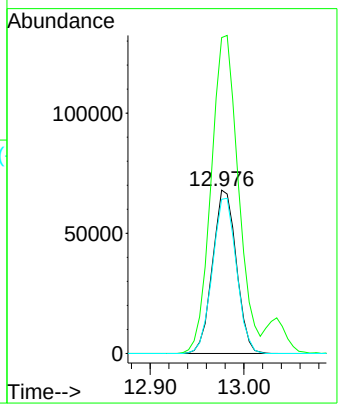




#77
Bromobenzene
Concen: 44.500 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:156 Resp: 119728

Ion	Ratio	Lower	Upper
156	100		
77	223.2	115.1	345.3
158	96.3	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
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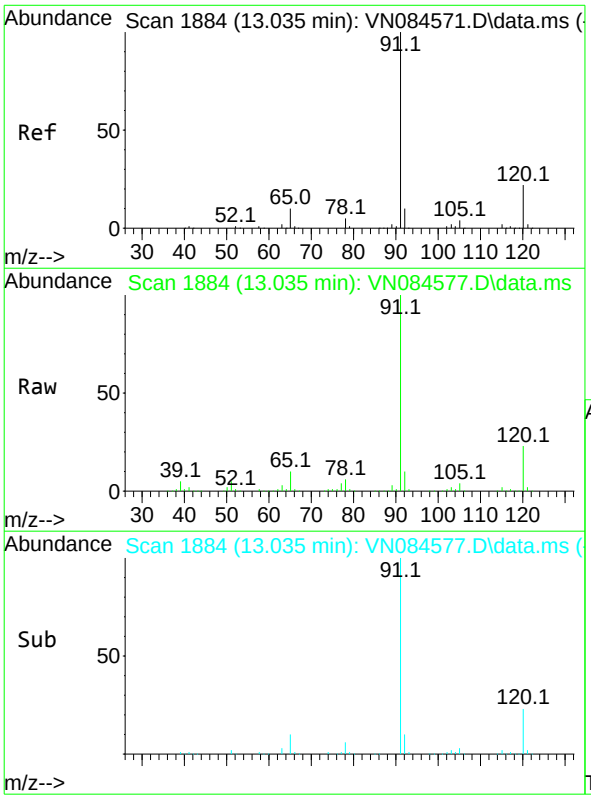
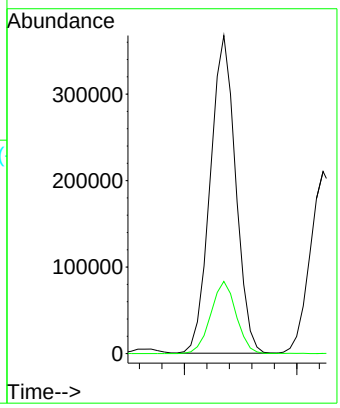
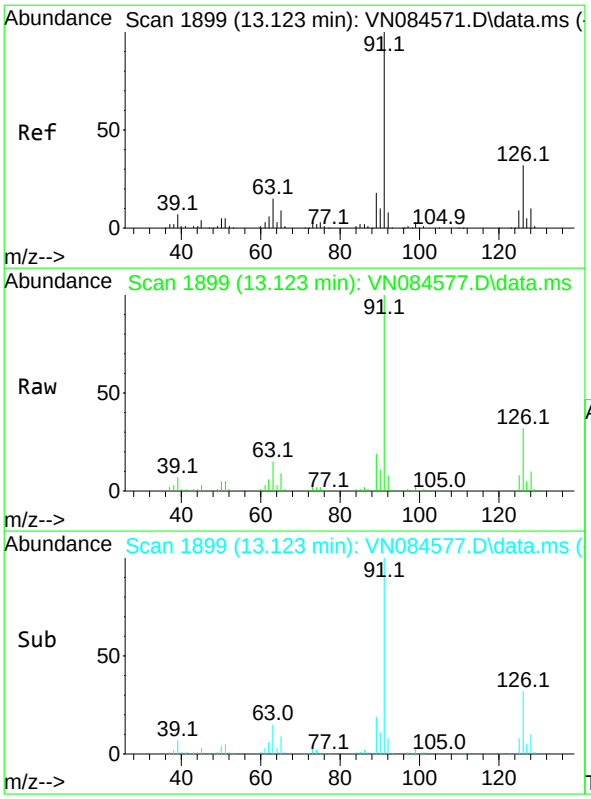


#78
n-propylbenzene
Concen: 49.156 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 91 Resp: 576495

Ion	Ratio	Lower	Upper
91	100		
120	22.7	10.8	32.4

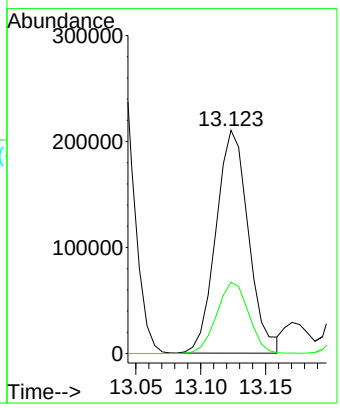




#79
2-Chlorotoluene
Concen: 47.930 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 91 Resp: 367294

Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.1



Instrument :
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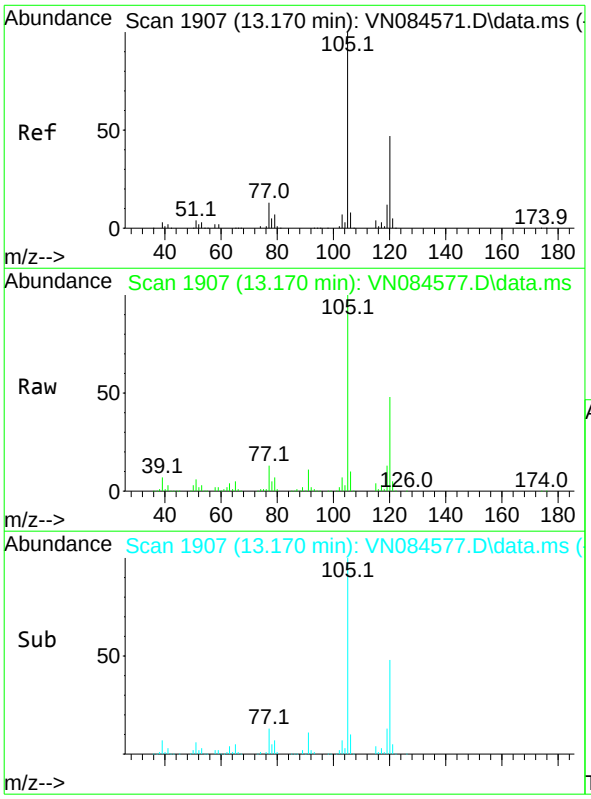
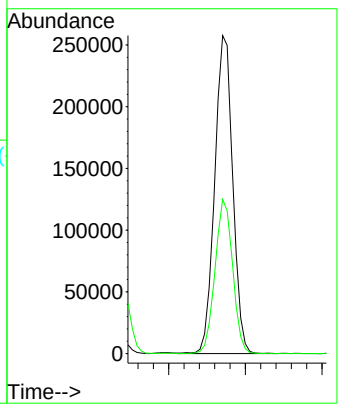
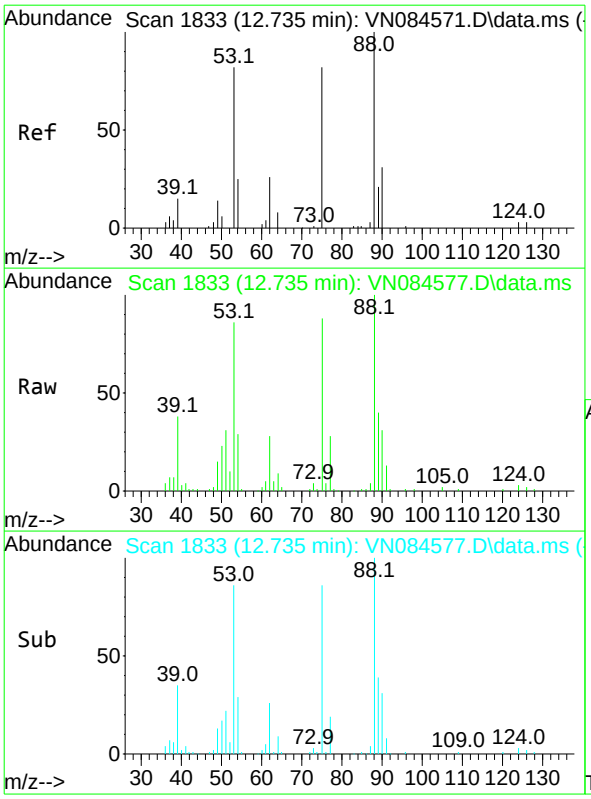


#80
1,3,5-Trimethylbenzene
Concen: 50.714 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:105 Resp: 420675

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.7	71.1

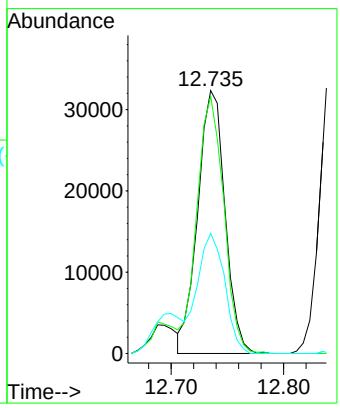




#81
trans-1,4-Dichloro-2-butene
Concen: 45.300 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 75 Resp: 54512

Ion	Ratio	Lower	Upper
75	100		
53	96.4	78.0	117.0
89	45.7	35.5	53.3



Instrument :
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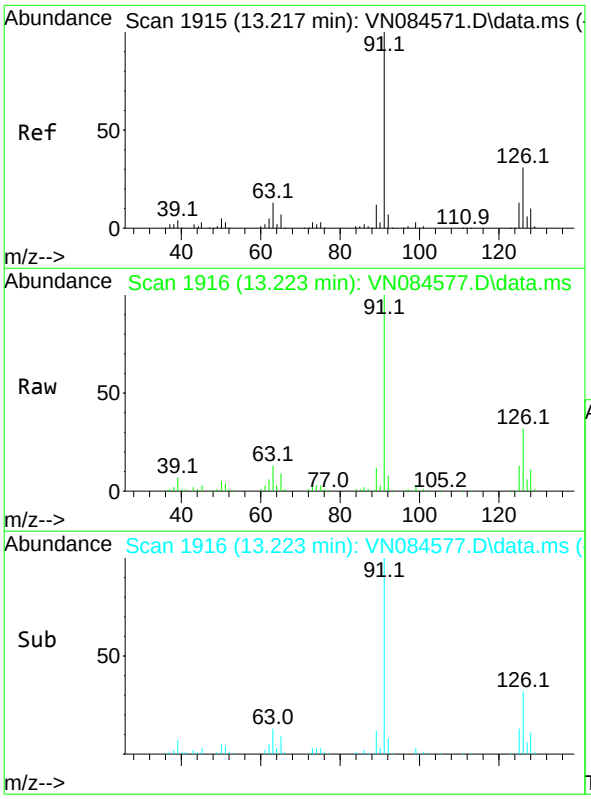
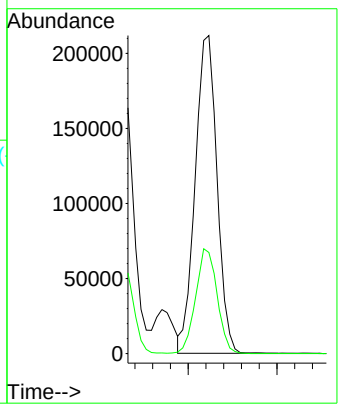
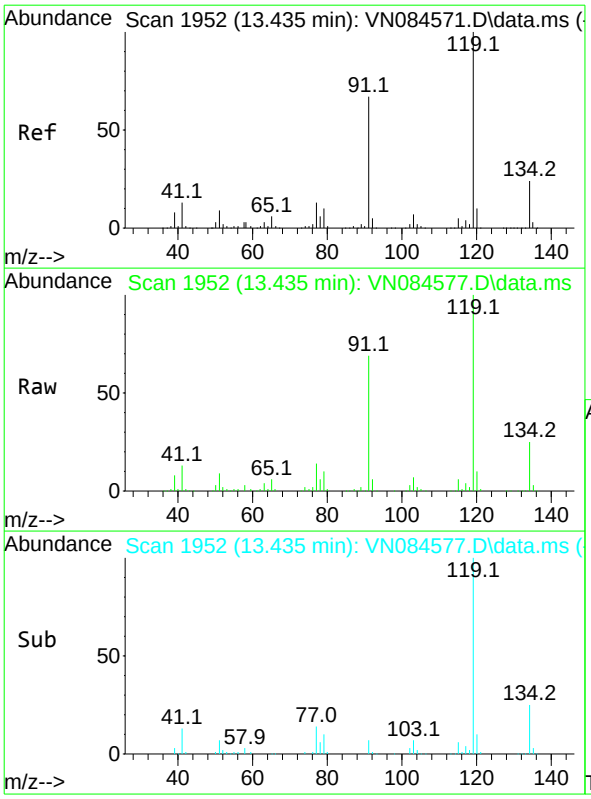


#82
4-Chlorotoluene
Concen: 44.837 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 91 Resp: 361596

Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.7	47.1

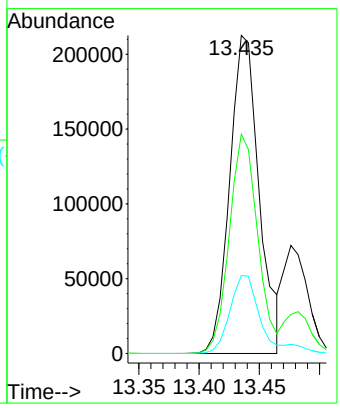




#83
tert-Butylbenzene
Concen: 52.701 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:119 Resp: 361800

Ion	Ratio	Lower	Upper
119	100		
91	66.3	34.1	102.3
134	26.0	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

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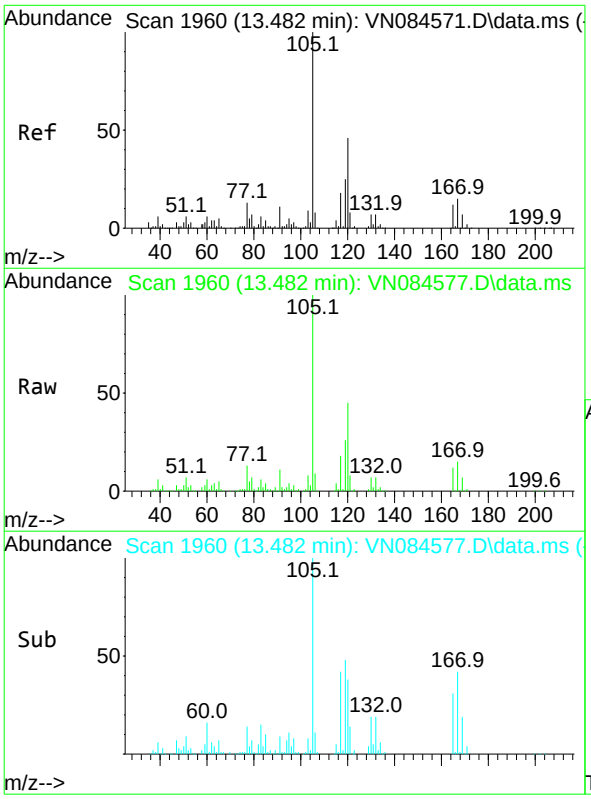
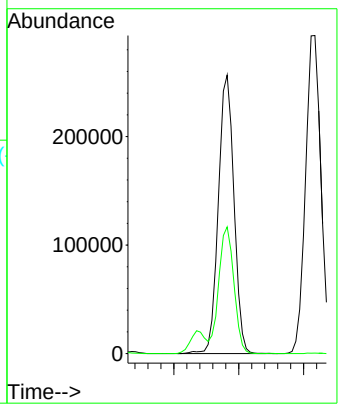
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

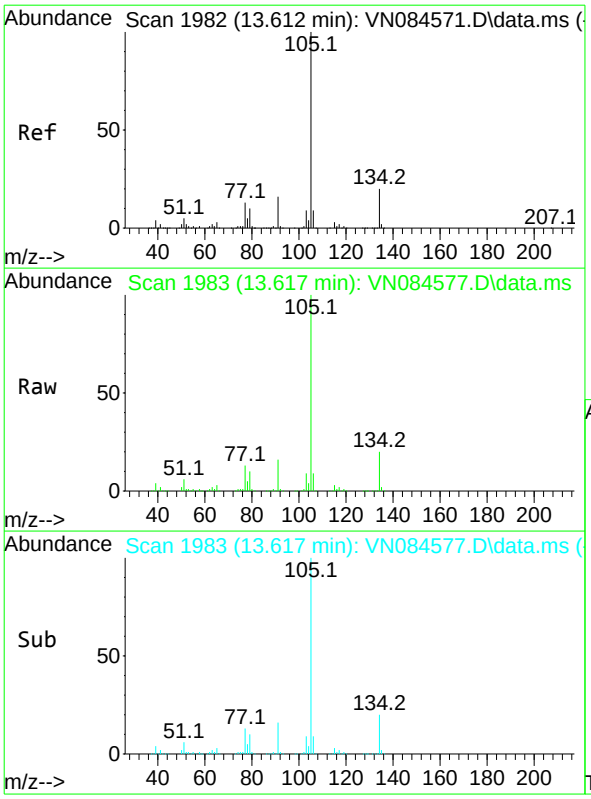


#84
1,2,4-Trimethylbenzene
Concen: 50.053 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:105 Resp: 428517

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.3	66.8

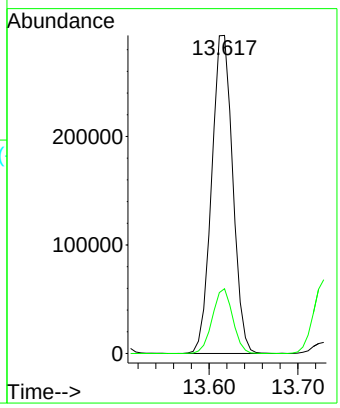




#85
sec-Butylbenzene
Concen: 49.829 ug/l
RT: 13.617 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:105 Resp: 483212

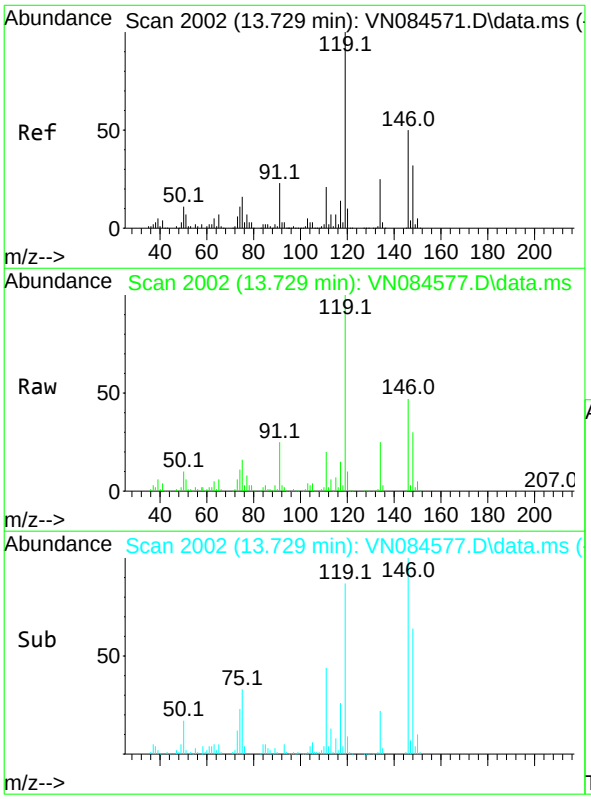
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

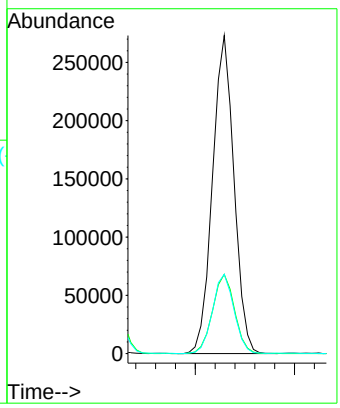
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

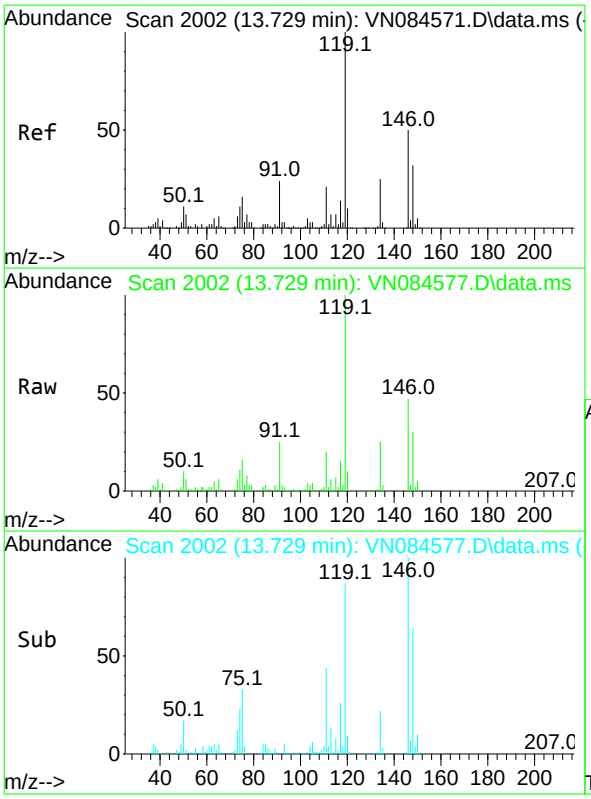


#86
p-Isopropyltoluene
Concen: 51.568 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:119 Resp: 410129

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.6	37.8
91	25.0	12.4	37.2

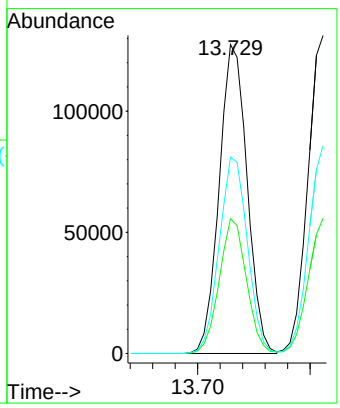




#87
1,3-Dichlorobenzene
Concen: 41.852 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:146 Resp: 219757

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.8	65.3
148	64.2	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
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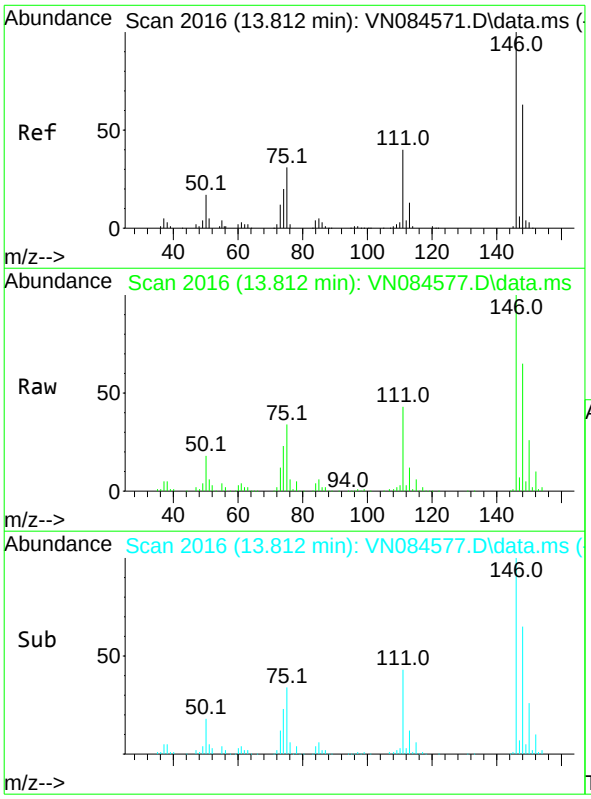
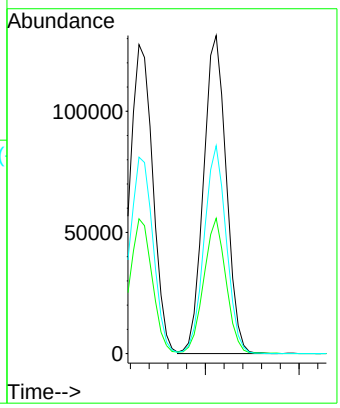
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

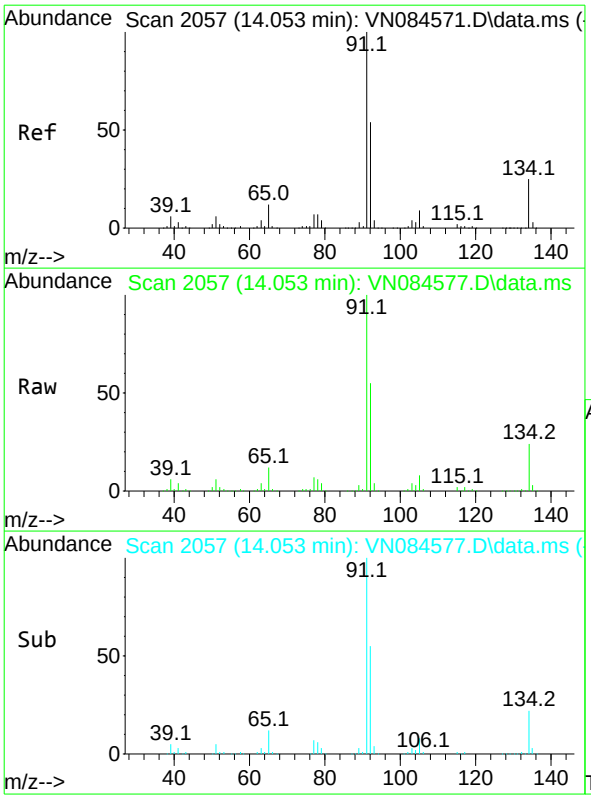


#88
1,4-Dichlorobenzene
Concen: 45.904 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:146 Resp: 221608

Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.2	63.6
148	63.7	31.9	95.9

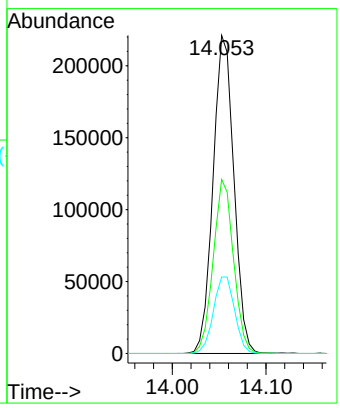




#89
n-Butylbenzene
Concen: 45.941 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 91 Resp: 341775

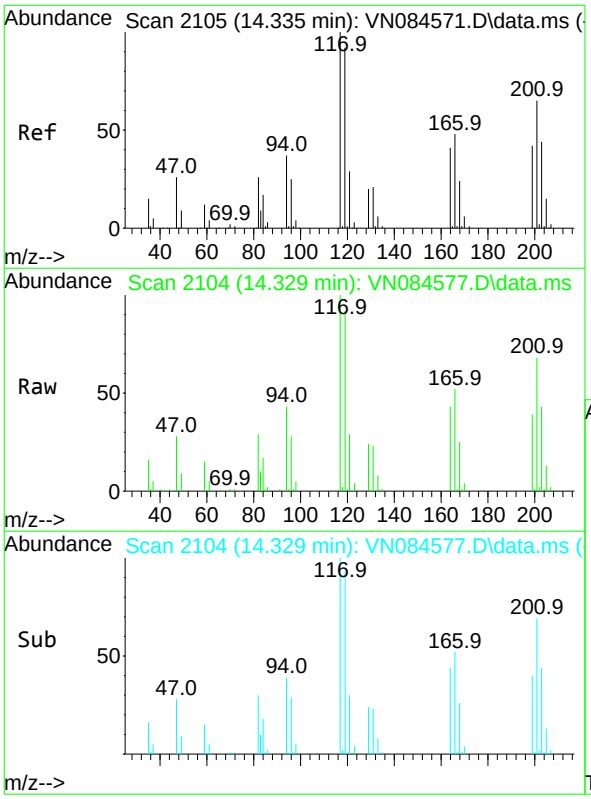
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.6	79.7
134	24.5	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

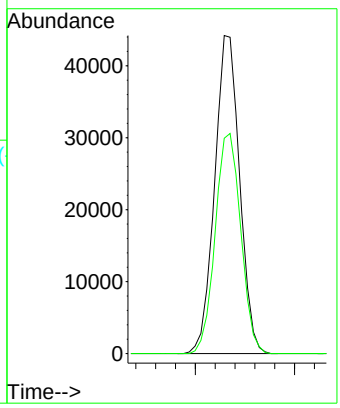
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

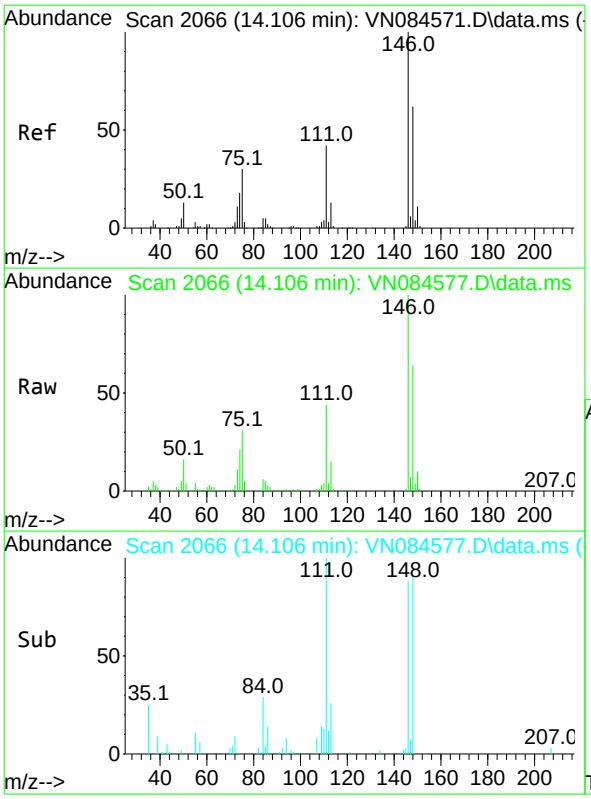


#90
Hexachloroethane
Concen: 43.597 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:117 Resp: 77324

Ion	Ratio	Lower	Upper
117	100		
201	70.8	34.4	103.2

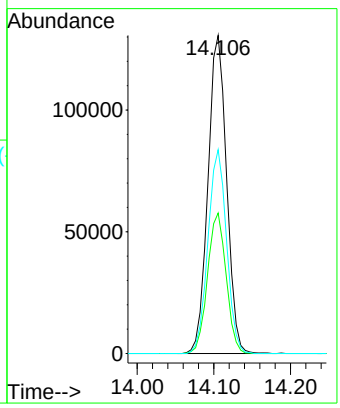




#91
1,2-Dichlorobenzene
Concen: 43.765 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:146 Resp: 220824

Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.0	66.0
148	63.8	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
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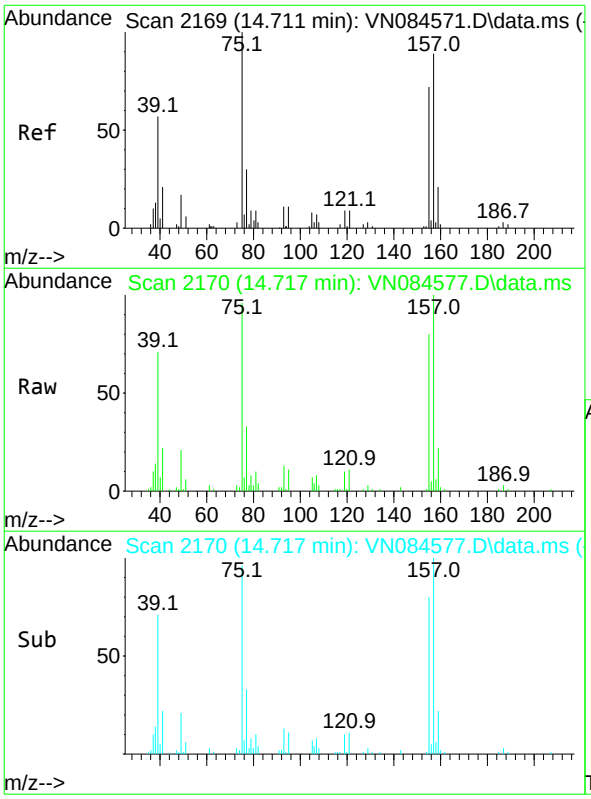
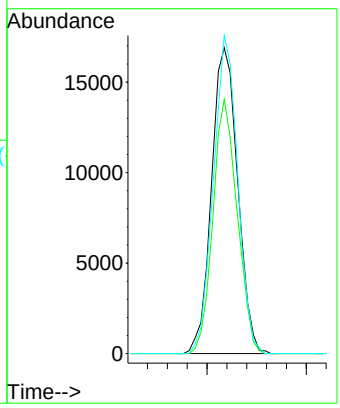
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

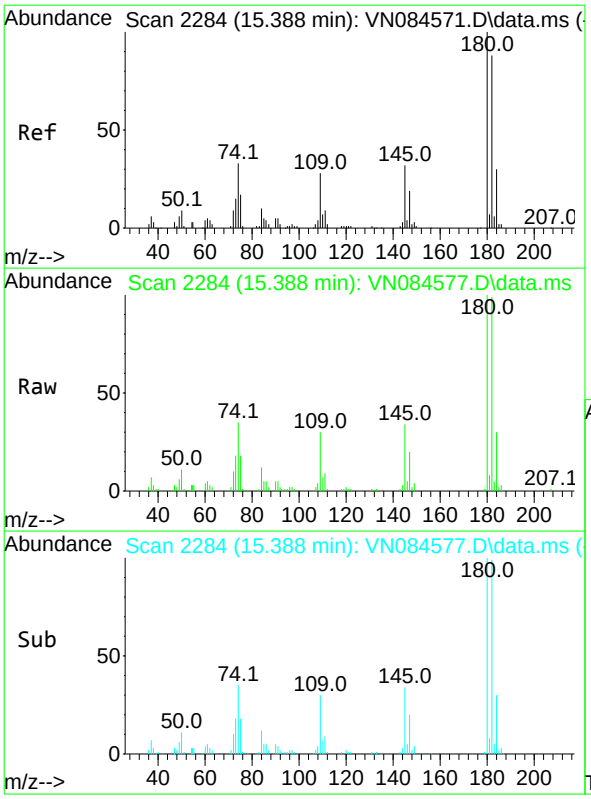


#92
1,2-Dibromo-3-Chloropropane
Concen: 45.651 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 75 Resp: 30895

Ion	Ratio	Lower	Upper
75	100		
155	77.1	38.1	114.5
157	96.4	49.6	149.0

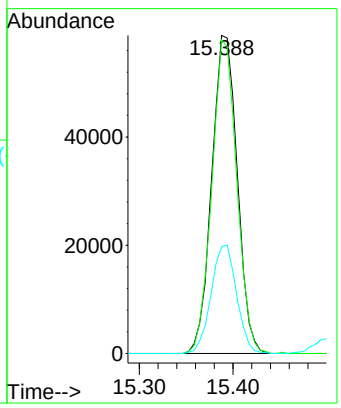




#93
1,2,4-Trichlorobenzene
Concen: 40.290 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:180 Resp: 111270

Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.0	141.0
145	34.0	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
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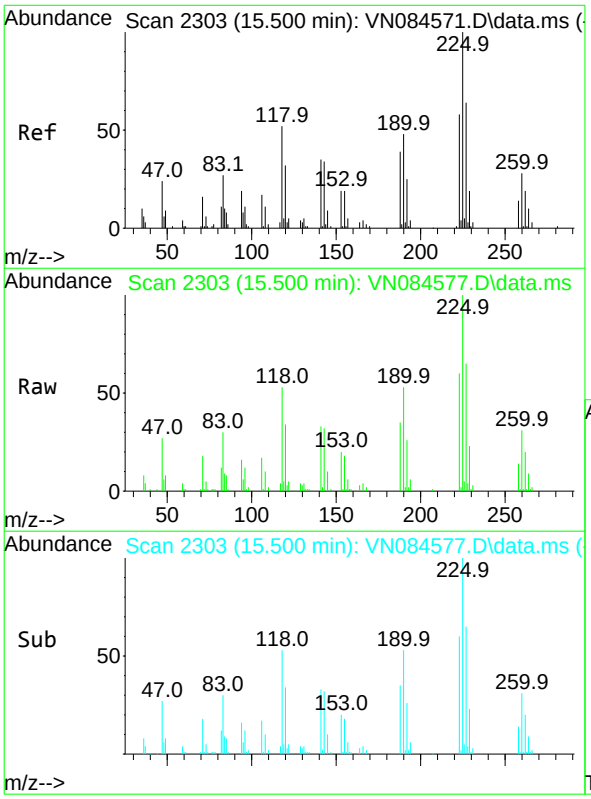
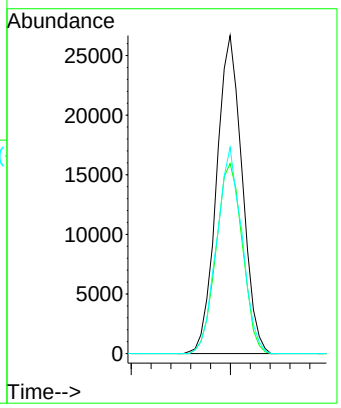
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

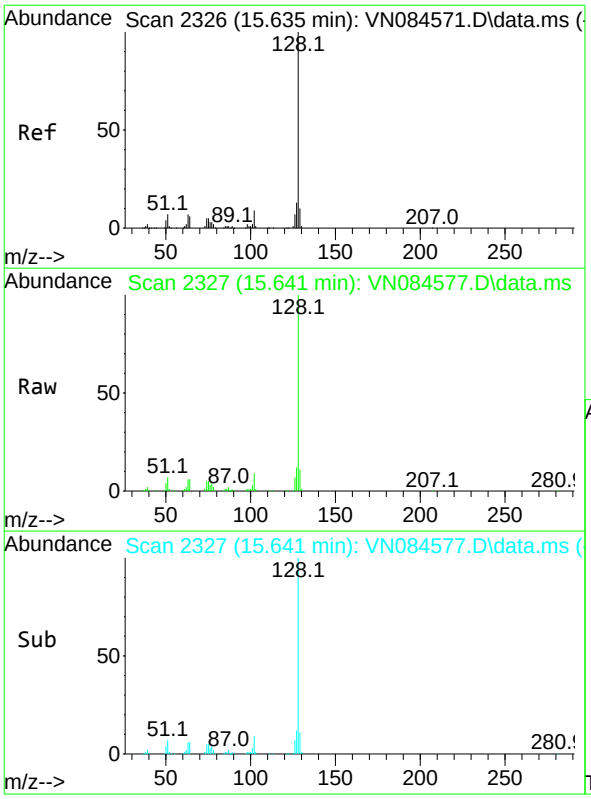


#94
Hexachlorobutadiene
Concen: 39.544 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:225 Resp: 47959

Ion	Ratio	Lower	Upper
225	100		
223	61.4	32.4	97.2
227	63.6	32.4	97.0

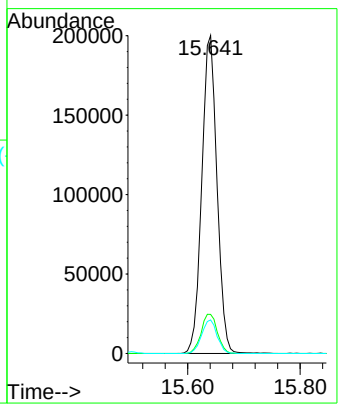




#95
Naphthalene
Concen: 45.408 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:128 Resp: 375360

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.7	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
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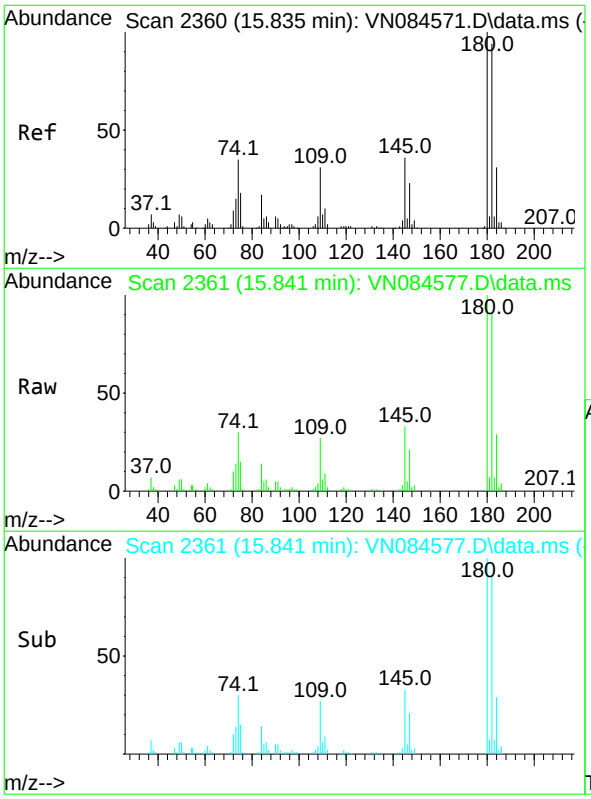
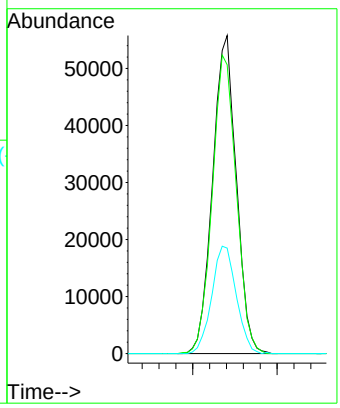
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#96
1,2,3-Trichlorobenzene
Concen: 40.595 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:180 Resp: 108830

Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.2	144.6
145	35.0	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	103	0.00
2	T	Dichlorodifluoromethane	0.575	0.529	8.0	99	0.00
3	P	Chloromethane	0.952	0.614	35.5#	94	0.00
4	C	Vinyl Chloride	0.618	0.574	7.1#	98	0.00
5	T	Bromomethane	0.328	0.285	13.1	99	-0.05
6	T	Chloroethane	0.488	0.356	27.0#	97	-0.05
7	T	Trichlorofluoromethane	1.018	0.930	8.6	100	-0.02
8	T	Diethyl Ether	0.359	0.335	6.7	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.575	0.526	8.5	97	-0.01
10	T	Methyl Iodide	0.769	0.716	6.9	100	-0.02
11	T	Tert butyl alcohol	0.095	0.084	11.6	100	0.01
12	CM	1,1-Dichloroethene	0.569	0.516	9.3#	99	-0.01
13	T	Acrolein	0.095	0.083	12.6	97	0.00
14	T	Allyl chloride	0.923	0.886	4.0	100	-0.01
15	T	Acrylonitrile	0.276	0.261	5.4	99	0.00
16	T	Acetone	0.238	0.204	14.3	103	0.00
17	T	Carbon Disulfide	1.753	1.497	14.6	96	-0.01
18	T	Methyl Acetate	1.172	0.691	41.0#	95	0.00
19	T	Methyl tert-butyl Ether	1.745	1.696	2.8	99	0.00
20	T	Methylene Chloride	0.635	0.581	8.5	99	-0.01
21	T	trans-1,2-Dichloroethene	0.585	0.526	10.1	96	-0.01
22	T	Diisopropyl ether	1.835	1.789	2.5	99	0.00
23	T	Vinyl Acetate	1.265	1.253	0.9	99	0.00
24	P	1,1-Dichloroethane	1.102	1.022	7.3	99	-0.01
25	T	2-Butanone	0.337	0.320	5.0	105	0.00
26	T	2,2-Dichloropropane	0.959	0.865	9.8	95	0.00
27	T	cis-1,2-Dichloroethene	0.683	0.631	7.6	98	0.00
28	T	Bromochloromethane	0.439	0.483	-10.0	97	0.00
29	T	Tetrahydrofuran	0.224	0.220	1.8	102	0.00
30	C	Chloroform	1.121	1.061	5.4#	101	0.00
31	T	Cyclohexane	0.997	0.898	9.9	99	0.00
32	T	1,1,1-Trichloroethane	1.021	0.955	6.5	99	0.00
33	S	1,2-Dichloroethane-d4	0.722	0.687	4.8	98	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
35	S	Dibromofluoromethane	0.338	0.322	4.7	97	0.00
36	T	1,1-Dichloropropene	0.469	0.435	7.2	100	0.00
37	T	Ethyl Acetate	0.426	0.410	3.8	101	0.00
38	T	Carbon Tetrachloride	0.525	0.484	7.8	98	0.00
39	T	Methylcyclohexane	0.478	0.477	0.2	98	0.00
40	TM	Benzene	1.507	1.395	7.4	100	0.00
41	T	Methacrylonitrile	0.229	0.238	-3.9	101	0.00
42	TM	1,2-Dichloroethane	0.488	0.460	5.7	97	0.00
43	T	Isopropyl Acetate	0.927	0.717	22.7	99	0.00
44	TM	Trichloroethene	0.348	0.311	10.6	97	0.00
45	C	1,2-Dichloropropane	0.354	0.334	5.6#	100	0.00
46	T	Dibromomethane	0.250	0.229	8.4	98	0.00
47	T	Bromodichloromethane	0.526	0.490	6.8	98	0.00
48	T	Methyl methacrylate	0.331	0.338	-2.1	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.006	0.0	107	0.00
50	S	Toluene-d8	1.247	1.206	3.3	96	0.00
51	T	4-Methyl-2-Pentanone	0.406	0.410	-1.0	101	0.00
52	CM	Toluene	0.882	0.857	2.8#	99	0.00
53	T	t-1,3-Dichloropropene	0.544	0.500	8.1	96	0.00
54	T	cis-1,3-Dichloropropene	0.576	0.540	6.2	97	0.00
55	T	1,1,2-Trichloroethane	0.332	0.316	4.8	100	0.00
56	T	Ethyl methacrylate	0.480	0.507	-5.6	98	0.00
57	T	1,3-Dichloropropane	0.570	0.544	4.6	100	0.00
58	T	2-Chloroethyl Vinyl ether	0.225	0.252	-12.0	100	0.00
59	T	2-Hexanone	0.296	0.302	-2.0	101	0.00
60	T	Dibromochloromethane	0.378	0.372	1.6	98	0.00
61	T	1,2-Dibromoethane	0.340	0.316	7.1	98	0.00
62	S	4-Bromofluorobenzene	0.466	0.445	4.5	94	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64	T	Tetrachloroethene	0.333	0.302	9.3	101	0.00
65	PM	Chlorobenzene	1.119	1.004	10.3	99	0.00
66	T	1,1,1,2-Tetrachloroethane	0.389	0.360	7.5	100	0.00
67	C	Ethyl Benzene	1.867	1.804	3.4#	100	0.00
68	T	m/p-Xylenes	0.707	0.700	1.0	100	0.00
69	T	o-Xylene	0.661	0.668	-1.1	101	0.00
70	T	Styrene	1.154	1.144	0.9	99	0.00
71	P	Bromoform	0.293	0.270	7.8	96	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73	T	Isopropylbenzene	3.504	3.438	1.9	99	0.00
74	T	N-amyl acetate	1.491	1.464	1.8	99	0.00
75	P	1,1,2,2-Tetrachloroethane	1.170	1.031	11.9	99	0.00
76	T	1,2,3-Trichloropropane	0.999	0.859	14.0	100	0.00
77	T	Bromobenzene	0.942	0.838	11.0	98	0.00
78	T	n-propylbenzene	4.106	4.037	1.7	98	0.00
79	T	2-Chlorotoluene	2.683	2.572	4.1	101	0.00
80	T	1,3,5-Trimethylbenzene	2.904	2.946	-1.4	99	0.00
81	T	trans-1,4-Dichloro-2-butene	0.421	0.382	9.3	98	0.00
82	T	4-Chlorotoluene	2.823	2.532	10.3	96	0.00
83	T	tert-Butylbenzene	2.403	2.533	-5.4	103	0.00
84	T	1,2,4-Trimethylbenzene	2.997	3.000	-0.1	98	0.00
85	T	sec-Butylbenzene	3.395	3.383	0.4	99	0.00
86	T	p-Isopropyltoluene	2.784	2.872	-3.2	97	0.00
87	T	1,3-Dichlorobenzene	1.838	1.539	16.3	95	0.00
88	T	1,4-Dichlorobenzene	1.937	1.552	19.9	96	0.00
89	T	n-Butylbenzene	2.605	2.393	8.1	94	0.00
90	T	Hexachloroethane	0.621	0.541	12.9	95	0.00
91	T	1,2-Dichlorobenzene	1.766	1.546	12.5	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.216	8.9	103	0.00
93	T	1,2,4-Trichlorobenzene	0.967	0.779	19.4	93	0.00
94	T	Hexachlorobutadiene	0.425	0.336	20.9	94	0.00
95	T	Naphthalene	2.894	2.628	9.2	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.939	0.762	18.8	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	103	0.00
2	T	Dichlorodifluoromethane	50.000	45.985	8.0	99	0.00
3	P	Chloromethane	50.000	45.299	9.4	94	0.00
4	C	Vinyl Chloride	50.000	46.430	7.1#	98	0.00
5	T	Bromomethane	50.000	43.494	13.0	99	-0.05
6	T	Chloroethane	50.000	46.348	7.3	97	-0.05
7	T	Trichlorofluoromethane	50.000	45.644	8.7	100	-0.02
8	T	Diethyl Ether	50.000	46.640	6.7	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	45.702	8.6	97	-0.01
10	T	Methyl Iodide	50.000	46.542	6.9	100	-0.02
11	T	Tert butyl alcohol	250.000	219.840	12.1	100	0.01
12	CM	1,1-Dichloroethene	50.000	45.338	9.3#	99	-0.01
13	T	Acrolein	250.000	218.362	12.7	97	0.00
14	T	Allyl chloride	50.000	47.975	4.0	100	-0.01
15	T	Acrylonitrile	250.000	236.747	5.3	99	0.00
16	T	Acetone	250.000	244.445	2.2	103	0.00
17	T	Carbon Disulfide	50.000	42.682	14.6	96	-0.01
18	T	Methyl Acetate	50.000	44.944	10.1	95	0.00
19	T	Methyl tert-butyl Ether	50.000	48.603	2.8	99	0.00
20	T	Methylene Chloride	50.000	45.716	8.6	99	-0.01
21	T	trans-1,2-Dichloroethene	50.000	45.019	10.0	96	-0.01
22	T	Diisopropyl ether	50.000	48.739	2.5	99	0.00
23	T	Vinyl Acetate	250.000	247.614	1.0	99	0.00
24	P	1,1-Dichloroethane	50.000	46.408	7.2	99	-0.01
25	T	2-Butanone	250.000	237.635	4.9	105	0.00
26	T	2,2-Dichloropropane	50.000	45.103	9.8	95	0.00
27	T	cis-1,2-Dichloroethene	50.000	46.214	7.6	98	0.00
28	T	Bromochloromethane	50.000	54.971	-9.9	97	0.00
29	T	Tetrahydrofuran	250.000	245.822	1.7	102	0.00
30	C	Chloroform	50.000	47.316	5.4#	101	0.00
31	T	Cyclohexane	50.000	45.053	9.9	99	0.00
32	T	1,1,1-Trichloroethane	50.000	46.774	6.5	99	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.560	4.9	98	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	104	0.00
35	S	Dibromofluoromethane	50.000	47.522	5.0	97	0.00
36	T	1,1-Dichloropropene	50.000	46.370	7.3	100	0.00
37	T	Ethyl Acetate	50.000	48.154	3.7	101	0.00
38	T	Carbon Tetrachloride	50.000	46.145	7.7	98	0.00
39	T	Methylcyclohexane	50.000	49.969	0.1	98	0.00
40	TM	Benzene	50.000	46.273	7.5	100	0.00
41	T	Methacrylonitrile	50.000	51.964	-3.9	101	0.00
42	TM	1,2-Dichloroethane	50.000	47.118	5.8	97	0.00
43	T	Isopropyl Acetate	50.000	45.492	9.0	99	0.00
44	TM	Trichloroethene	50.000	44.732	10.5	97	0.00
45	C	1,2-Dichloropropane	50.000	47.196	5.6#	100	0.00
46	T	Dibromomethane	50.000	45.911	8.2	98	0.00
47	T	Bromodichloromethane	50.000	46.560	6.9	98	0.00
48	T	Methyl methacrylate	50.000	51.057	-2.1	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1063.992	-6.4	107	0.00
50	S	Toluene-d8	50.000	48.359	3.3	96	0.00
51	T	4-Methyl-2-Pentanone	250.000	252.729	-1.1	101	0.00
52	CM	Toluene	50.000	48.616	2.8#	99	0.00
53	T	t-1,3-Dichloropropene	50.000	45.911	8.2	96	0.00
54	T	cis-1,3-Dichloropropene	50.000	46.832	6.3	97	0.00
55	T	1,1,2-Trichloroethane	50.000	47.618	4.8	100	0.00
56	T	Ethyl methacrylate	50.000	52.764	-5.5	98	0.00
57	T	1,3-Dichloropropane	50.000	47.765	4.5	100	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	280.013	-12.0	100	0.00
59	T	2-Hexanone	250.000	255.570	-2.2	101	0.00
60	T	Dibromochloromethane	50.000	49.079	1.8	98	0.00
61	T	1,2-Dibromoethane	50.000	46.393	7.2	98	0.00
62	S	4-Bromofluorobenzene	50.000	47.715	4.6	94	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64	T	Tetrachloroethene	50.000	45.436	9.1	101	0.00
65	PM	Chlorobenzene	50.000	44.872	10.3	99	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	46.323	7.4	100	0.00
67	C	Ethyl Benzene	50.000	48.319	3.4#	100	0.00
68	T	m/p-Xylenes	100.000	98.979	1.0	100	0.00
69	T	o-Xylene	50.000	50.538	-1.1	101	0.00
70	T	Styrene	50.000	49.600	0.8	99	0.00
71	P	Bromoform	50.000	46.166	7.7	96	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73	T	Isopropylbenzene	50.000	49.063	1.9	99	0.00
74	T	N-amyl acetate	50.000	49.076	1.8	99	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	44.058	11.9	99	0.00
76	T	1,2,3-Trichloropropane	50.000	42.988	14.0	100	0.00
77	T	Bromobenzene	50.000	44.500	11.0	98	0.00
78	T	n-propylbenzene	50.000	49.156	1.7	98	0.00
79	T	2-Chlorotoluene	50.000	47.930	4.1	101	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.714	-1.4	99	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.300	9.4	98	0.00
82	T	4-Chlorotoluene	50.000	44.837	10.3	96	0.00
83	T	tert-Butylbenzene	50.000	52.701	-5.4	103	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.053	-0.1	98	0.00
85	T	sec-Butylbenzene	50.000	49.829	0.3	99	0.00
86	T	p-Isopropyltoluene	50.000	51.568	-3.1	97	0.00
87	T	1,3-Dichlorobenzene	50.000	41.852	16.3	95	0.00
88	T	1,4-Dichlorobenzene	50.000	45.904	8.2	96	0.00
89	T	n-Butylbenzene	50.000	45.941	8.1	94	0.00
90	T	Hexachloroethane	50.000	43.597	12.8	95	0.00
91	T	1,2-Dichlorobenzene	50.000	43.765	12.5	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	45.651	8.7	103	0.00
93	T	1,2,4-Trichlorobenzene	50.000	40.290	19.4	93	0.00
94	T	Hexachlorobutadiene	50.000	39.544	20.9	94	0.00
95	T	Naphthalene	50.000	45.408	9.2	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	40.595	18.8	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG No.: P4845

Instrument ID: MSVOA_N Calibration Date(s): 11/22/2024 11/22/2024

Heated Purge: (Y/N) N Calibration Time(s): 11:22 13:45

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF100 = VN085005.D RRF050 = VN085006.D RRF020 = VN085007.D
RRF010 = VN085008.D RRF005 = VN085009.D RRF001 = VN085010.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.579	0.560	0.567	0.538	0.590	0.558	0.565	3.2
Chloromethane	0.572	0.591	0.599	0.603	0.664	0.906	0.656	19.3
Vinyl Chloride	0.597	0.575	0.579	0.569	0.608	0.608	0.589	2.9
Bromomethane	0.316	0.311	0.327	0.331	0.366		0.330	6.5
Chloroethane	0.370	0.379	0.380	0.390	0.407	0.458	0.397	8.1
Trichlorofluoromethane	1.021	0.965	1.005	0.947	1.041	1.036	1.002	3.9
1,1,2-Trichlorotrifluoroethane	0.590	0.551	0.569	0.551	0.576	0.573	0.569	2.7
1,1-Dichloroethene	0.547	0.524	0.534	0.506	0.543	0.531	0.531	2.8
Acetone	0.229	0.203	0.206	0.203	0.195	0.209	0.207	5.5
Carbon Disulfide	1.511	1.472	1.535	1.462	1.590	1.829	1.566	8.7
Methyl tert-butyl Ether	1.860	1.768	1.764	1.663	1.675	1.674	1.734	4.5
Methyl Acetate	0.657	0.656	0.696	0.714	0.855	1.244	0.804	28.4
Methylene Chloride	0.603	0.588	0.619	0.610	0.630	0.748	0.633	9.2
trans-1,2-Dichloroethene	0.570	0.558	0.565	0.519	0.568	0.571	0.558	3.5
1,1-Dichloroethane	1.091	1.049	1.084	1.033	1.092	1.116	1.078	2.8
Cyclohexane	0.914	0.882	0.942	0.915	1.091		0.949	8.7
2-Butanone	0.341	0.331	0.340	0.317	0.328	0.377	0.339	6
Carbon Tetrachloride	0.572	0.534	0.543	0.484	0.529	0.500	0.527	5.9
cis-1,2-Dichloroethene	0.667	0.657	0.672	0.634	0.681	0.729	0.673	4.7
Bromochloromethane	0.409	0.395	0.409	0.390	0.399	0.438	0.407	4.2
Chloroform	1.118	1.099	1.104	1.073	1.140	1.344	1.146	8.6
1,1,1-Trichloroethane	1.047	1.013	1.022	0.993	1.005	1.135	1.036	5
Methylcyclohexane	0.574	0.507	0.486	0.430	0.469	0.382	0.475	13.9
Benzene	1.528	1.424	1.443	1.358	1.452	1.462	1.445	3.8
1,2-Dichloroethane	0.514	0.481	0.497	0.452	0.529	0.492	0.494	5.4
Trichloroethene	0.352	0.327	0.338	0.320	0.347	0.330	0.336	3.6
1,2-Dichloropropane	0.369	0.349	0.351	0.340	0.352	0.374	0.356	3.7
Bromodichloromethane	0.554	0.522	0.520	0.488	0.520	0.540	0.524	4.3
4-Methyl-2-Pentanone	0.414	0.406	0.406	0.382	0.394	0.361	0.394	5
Toluene	0.932	0.887	0.881	0.792	0.859	0.780	0.855	6.9

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG No.: P4845

Instrument ID: MSVOA_N Calibration Date(s): 11/22/2024 11/22/2024

Heated Purge: (Y/N) N Calibration Time(s): 11:22 13:45

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF100 = VN085005.D RRF050 = VN085006.D RRF020 = VN085007.D
RRF010 = VN085008.D RRF005 = VN085009.D RRF001 = VN085010.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.574	0.549	0.539	0.486	0.479	0.525	0.525	7
cis-1,3-Dichloropropene	0.617	0.576	0.571	0.506	0.533	0.541	0.557	7
1,1,2-Trichloroethane	0.336	0.322	0.324	0.314	0.314	0.301	0.319	3.7
2-Hexanone	0.315	0.312	0.317	0.280	0.297	0.245	0.295	9.4
Dibromochloromethane	0.410	0.386	0.392	0.350	0.387	0.411	0.389	5.7
1,2-Dibromoethane	0.342	0.330	0.328	0.318	0.338	0.323	0.330	2.7
Tetrachloroethene	0.350	0.328	0.340	0.322	0.374	0.307	0.337	7
Chlorobenzene	1.128	1.090	1.123	1.089	1.133	1.241	1.134	4.9
Ethyl Benzene	2.063	1.945	1.880	1.698	1.809	1.644	1.840	8.5
m/p-Xylenes	0.778	0.737	0.732	0.663	0.666	0.626	0.700	8.2
o-Xylene	0.733	0.707	0.685	0.641	0.633	0.598	0.666	7.6
Styrene	1.248	1.195	1.178	1.069	1.038	0.921	1.108	10.9
Bromoform	0.309	0.310	0.299	0.273	0.299	0.289	0.296	4.6
Isopropylbenzene	3.888	3.632	3.605	3.402	3.464	3.175	3.527	6.8
1,1,2,2-Tetrachloroethane	1.076	1.103	1.152	1.148	1.231	1.517	1.205	13.4
1,3-Dichlorobenzene	1.720	1.717	1.785	1.744	1.941	2.326	1.872	12.7
1,4-Dichlorobenzene	1.726	1.760	1.819	1.788	2.034	2.337	1.911	12.3
1,2-Dichlorobenzene	1.665	1.687	1.756	1.685	1.815	2.157	1.794	10.4
1,2-Dibromo-3-Chloropropane	0.214	0.219	0.227	0.223	0.249	0.265	0.233	8.5
1,2,4-Trichlorobenzene	0.927	0.902	0.949	0.919	0.973	1.178	0.975	10.5
1,2,3-Trichlorobenzene	0.922	0.898	0.944	0.849	0.926	1.041	0.930	6.8
1,2-Dichloroethane-d4	0.738	0.705	0.658	0.735	0.725		0.712	4.6
Dibromofluoromethane	0.361	0.340	0.311	0.330	0.343		0.337	5.4
Toluene-d8	1.326	1.249	1.152	1.162	1.154		1.208	6.4
4-Bromofluorobenzene	0.476	0.467	0.425	0.438	0.454		0.452	4.6

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N112224W.M
Title : SW846 8260
Last Update : Sat Nov 23 02:54:10 2024
Response Via : Initial Calibration

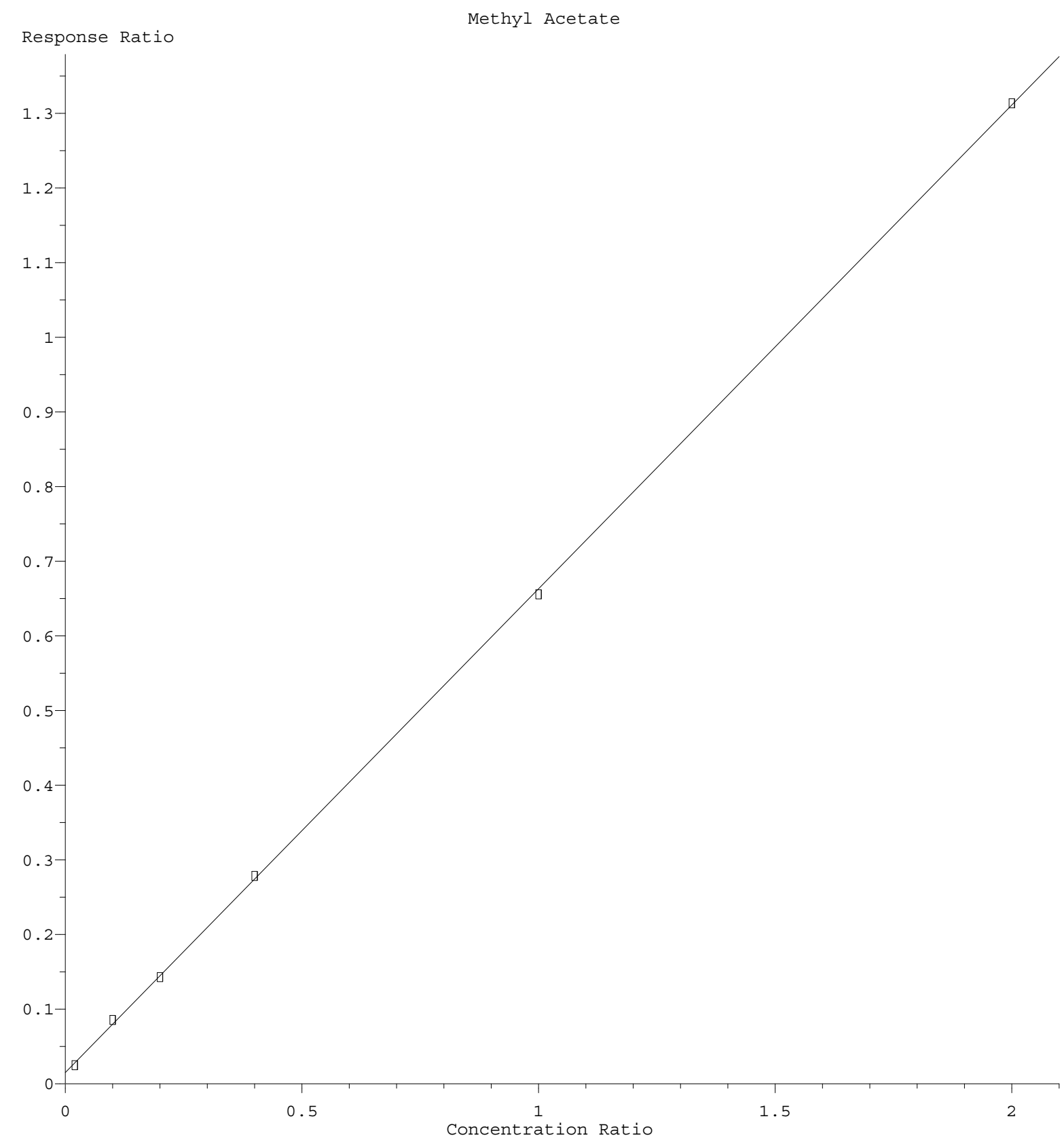
Calibration Files
1 =VN085010.D 5 =VN085009.D 10 =VN085008.D 20 =VN085007.D 50 =VN085006.D 100 =VN085005.D

		Compound	1	5	10	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.558	0.590	0.538	0.567	0.560	0.579	0.565	3.24
3)	P	Chloromethane	0.906	0.664	0.603	0.599	0.591	0.572	0.656	19.31
4)	C	Vinyl Chloride	0.608	0.608	0.569	0.579	0.575	0.597	0.589	2.87#
5)	T	Bromomethane		0.366	0.331	0.327	0.311	0.316	0.330	6.54
6)	T	Chloroethane	0.458	0.407	0.390	0.380	0.379	0.370	0.397	8.12
7)	T	Trichlorofluor...	1.036	1.041	0.947	1.005	0.965	1.021	1.002	3.85
8)	T	Diethyl Ether	0.316	0.345	0.322	0.349	0.349	0.367	0.341	5.63
9)	T	1,1,2-Trichlor...	0.573	0.576	0.551	0.569	0.551	0.590	0.569	2.65
10)	T	Methyl Iodide		0.764	0.704	0.778	0.747	0.769	0.753	3.91
11)	T	Tert butyl alc...		0.117	0.096	0.091	0.090	0.081	0.095	14.07
12)	CM	1,1-Dichloroet...	0.531	0.543	0.506	0.534	0.524	0.547	0.531	2.78#
13)	T	Acrolein		0.057	0.066	0.061	0.070	0.064	0.064	7.50
14)	T	Allyl chloride	0.936	0.874	0.868	0.876	0.886	0.929	0.895	3.32
15)	T	Acrylonitrile	0.303	0.274	0.251	0.264	0.263	0.262	0.269	6.71
16)	T	Acetone	0.209	0.195	0.203	0.206	0.203	0.229	0.207	5.48
17)	T	Carbon Disulfide	1.829	1.589	1.462	1.535	1.472	1.511	1.566	8.73
18)	T	Methyl Acetate	1.244	0.855	0.714	0.696	0.656	0.657	0.804	28.37
19)	T	Methyl tert-bu...	1.674	1.675	1.663	1.764	1.768	1.860	1.734	4.48
20)	T	Methylene Chlo...	0.748	0.630	0.610	0.619	0.588	0.603	0.633	9.21
21)	T	trans-1,2-Dich...	0.571	0.568	0.519	0.565	0.558	0.570	0.558	3.54
22)	T	Diisopropyl ether	1.825	1.816	1.749	1.815	1.781	1.817	1.801	1.64
23)	T	Vinyl Acetate	1.161	1.180	1.192	1.279	1.296	1.346	1.242	6.04
24)	P	1,1-Dichloroet...	1.116	1.092	1.033	1.084	1.049	1.091	1.078	2.85
25)	T	2-Butanone	0.377	0.328	0.317	0.340	0.331	0.341	0.339	6.03
26)	T	2,2-Dichloropr...	1.083	1.000	0.945	0.982	0.993	1.034	1.006	4.72
27)	T	cis-1,2-Dichlo...	0.729	0.681	0.634	0.672	0.657	0.667	0.673	4.68
28)	T	Bromochloromet...	0.438	0.399	0.390	0.409	0.395	0.409	0.407	4.24
29)	T	Tetrahydrofuran	0.213	0.212	0.199	0.212	0.214	0.214	0.211	2.69
30)	C	Chloroform	1.344	1.140	1.073	1.104	1.099	1.118	1.146	8.65#
31)	T	Cyclohexane		1.091	0.915	0.942	0.882	0.914	0.949	8.68
32)	T	1,1,1-Trichlor...	1.135	1.005	0.993	1.022	1.013	1.047	1.036	5.02
33)	S	1,2-Dichloroet...		0.725	0.735	0.658	0.705	0.738	0.712	4.60
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.343	0.330	0.311	0.340	0.361	0.337	5.43
36)	T	1,1-Dichloropr...	0.451	0.469	0.417	0.454	0.455	0.493	0.457	5.46
37)	T	Ethyl Acetate	0.412	0.425	0.404	0.427	0.403	0.421	0.415	2.54
38)	T	Carbon Tetrach...	0.500	0.529	0.484	0.543	0.534	0.572	0.527	5.93
39)	T	Methylcyclohexane	0.382	0.469	0.430	0.486	0.507	0.574	0.475	13.89
40)	TM	Benzene	1.462	1.452	1.358	1.443	1.424	1.528	1.444	3.81
41)	T	Methacrylonitrile	0.247	0.203	0.223	0.229	0.230	0.246	0.230	7.11
42)	TM	1,2-Dichloroet...	0.492	0.529	0.452	0.497	0.481	0.514	0.494	5.42
43)	T	Isopropyl Acetate	1.157	0.853	0.786	0.781	0.753	0.844	0.862	17.33
44)	TM	Trichloroethene	0.330	0.347	0.320	0.338	0.327	0.352	0.336	3.60
45)	C	1,2-Dichloropr...	0.374	0.352	0.340	0.351	0.349	0.369	0.356	3.68#
46)	T	Dibromomethane	0.260	0.249	0.225	0.248	0.244	0.257	0.247	4.94
47)	T	Bromodichlorom...	0.540	0.520	0.488	0.520	0.522	0.554	0.524	4.26
48)	T	Methyl methacr...	0.304	0.316	0.302	0.323	0.329	0.353	0.321	5.84
49)	T	1,4-Dioxane	0.005	0.005	0.006	0.006	0.006	0.005	0.006	3.84
50)	S	Toluene-d8		1.154	1.162	1.152	1.249	1.326	1.208	6.36
51)	T	4-Methyl-2-Pen...	0.361	0.394	0.382	0.406	0.406	0.414	0.394	5.01
52)	CM	Toluene	0.780	0.859	0.792	0.881	0.887	0.932	0.855	6.88#
53)	T	t-1,3-Dichloro...	0.525	0.479	0.486	0.539	0.549	0.574	0.525	7.01
54)	T	cis-1,3-Dichlo...	0.541	0.533	0.506	0.571	0.576	0.617	0.557	6.97
55)	T	1,1,2-Trichlor...	0.301	0.314	0.314	0.324	0.322	0.336	0.319	3.72

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N112224W.M

56)	T	Ethyl methacry...	0.370	0.429	0.437	0.491	0.518	0.549	0.465	14.12
57)	T	1,3-Dichloropr...	0.572	0.562	0.526	0.558	0.558	0.588	0.561	3.66
58)	T	2-Chloroethyl ...	0.167	0.194	0.220	0.243	0.271	0.275	0.228	18.86
59)	T	2-Hexanone	0.245	0.297	0.280	0.317	0.312	0.315	0.295	9.45
60)	T	Dibromochlorom...	0.411	0.387	0.350	0.392	0.386	0.410	0.389	5.71
61)	T	1,2-Dibromoethane	0.323	0.338	0.318	0.328	0.330	0.342	0.330	2.74
62)	S	4-Bromofluorob...		0.454	0.438	0.425	0.467	0.476	0.452	4.61
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.307	0.374	0.322	0.340	0.328	0.350	0.337	7.01
65)	PM	Chlorobenzene	1.241	1.133	1.089	1.123	1.090	1.128	1.134	4.91
66)	T	1,1,1,2-Tetrac...	0.390	0.420	0.383	0.388	0.398	0.417	0.399	3.93
67)	C	Ethyl Benzene	1.644	1.809	1.698	1.880	1.945	2.063	1.840	8.48#
68)	T	m/p-Xylenes	0.626	0.666	0.663	0.732	0.737	0.778	0.700	8.17
69)	T	o-Xylene	0.598	0.633	0.641	0.685	0.707	0.733	0.666	7.63
70)	T	Styrene	0.921	1.038	1.069	1.178	1.195	1.248	1.108	10.94
71)	P	Bromoform	0.289	0.299	0.273	0.299	0.310	0.309	0.296	4.58
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.175	3.464	3.402	3.605	3.632	3.888	3.527	6.84
74)	T	N-amyl acetate	1.339	1.383	1.351	1.543	1.552	1.553	1.454	7.30
75)	P	1,1,2,2-Tetrac...	1.517	1.231	1.148	1.152	1.103	1.076	1.204	13.45
76)	T	1,2,3-Trichlor...	1.023	0.822	0.768	0.933	0.903	1.009	0.909	11.13
77)	T	Bromobenzene	1.072	0.967	0.902	0.926	0.919	0.910	0.949	6.76
78)	T	n-propylbenzene	3.534	4.013	3.880	4.201	4.236	4.547	4.068	8.51
79)	T	2-Chlorotoluene	2.779	2.679	2.638	2.751	2.671	2.776	2.716	2.23
80)	T	1,3,5-Trimethy...	2.519	2.842	2.864	3.115	3.146	3.273	2.960	9.24
81)	T	trans-1,4-Dich...		0.440	0.390	0.403	0.408	0.418	0.412	4.60
82)	T	4-Chlorotoluene	2.977	2.819	2.725	2.846	2.774	2.822	2.827	3.00
83)	T	tert-Butylbenzene	2.454	2.444	2.436	2.590	2.631	2.725	2.547	4.72
84)	T	1,2,4-Trimethy...	2.704	2.890	2.927	3.195	3.241	3.322	3.047	7.93
85)	T	sec-Butylbenzene	2.976	3.246	3.280	3.593	3.667	3.880	3.440	9.61
86)	T	p-Isopropyltol...	2.279	2.585	2.740	3.075	3.092	3.269	2.840	13.10
87)	T	1,3-Dichlorobe...	2.326	1.941	1.744	1.785	1.717	1.720	1.872	12.69
88)	T	1,4-Dichlorobe...	2.337	2.034	1.788	1.819	1.760	1.726	1.911	12.31
89)	T	n-Butylbenzene	2.805	2.500	2.375	2.613	2.671	2.882	2.641	7.13
90)	T	Hexachloroethane	0.685	0.634	0.568	0.596	0.607	0.624	0.619	6.42
91)	T	1,2-Dichlorobe...	2.157	1.815	1.685	1.756	1.687	1.665	1.794	10.39
92)	T	1,2-Dibromo-3-...	0.265	0.249	0.223	0.227	0.219	0.214	0.233	8.48
93)	T	1,2,4-Trichlor...	1.178	0.973	0.919	0.949	0.902	0.927	0.975	10.53
94)	T	Hexachlorobuta...	0.556	0.474	0.408	0.441	0.403	0.416	0.450	12.94
95)	T	Naphthalene	2.952	2.683	2.455	2.839	2.835	2.892	2.776	6.52
96)	T	1,2,3-Trichlor...	1.041	0.926	0.849	0.944	0.898	0.922	0.930	6.84

(#) = Out of Range



Response = 6.478e-001 * Amt + 1.521e-002
Coef of Det (r^2) = 0.999899 Curve Fit: Linear
Method: \\Chromserv\HPCHEM1\MSVOA N\methods\82N112224W.M
Calibration Table Last Updated: Sat Nov 23 02:54:10 2024

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085005.D
Acq On : 22 Nov 2024 11:22
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 23 01:57:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	174548	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	280535	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	240979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	257466	103.553	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 207.100%#			
35) Dibromofluoromethane	8.165	113	202772	107.183	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 214.360%#			
50) Toluene-d8	10.565	98	743711	109.694	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 219.380%#			
62) 4-Bromofluorobenzene	12.847	95	266822	105.236	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 210.480%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	202252	102.473	ug/l	98
3) Chloromethane	2.354	50	199697	87.235	ug/l	96
4) Vinyl Chloride	2.512	62	208274	101.241	ug/l	99
5) Bromomethane	2.912	94	110325	95.681	ug/l	93
6) Chloroethane	3.089	64	129044	93.064	ug/l	98
7) Trichlorofluoromethane	3.483	101	356271	101.806	ug/l	98
8) Diethyl Ether	3.953	74	128277	107.697	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	205989	103.783	ug/l	99
10) Methyl Iodide	4.577	142	268539	102.212	ug/l	98
11) Tert butyl alcohol	5.553	59	141986	427.348	ug/l	97
12) 1,1-Dichloroethene	4.330	96	190847	103.013	ug/l	97
13) Acrolein	4.171	56	111387	502.422	ug/l	96
14) Allyl chloride	5.012	41	324148	103.788	ug/l	99
15) Acrylonitrile	5.712	53	457016	485.851	ug/l	100
16) Acetone	4.424	43	399104	551.165	ug/l	98
17) Carbon Disulfide	4.700	76	527408	96.448	ug/l	97
18) Methyl Acetate	5.018	43	229272	100.214	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	649308	107.267	ug/l	99
20) Methylene Chloride	5.265	84	210468	95.251	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	199008	102.076	ug/l	92
22) Diisopropyl ether	6.665	45	634389	100.923	ug/l	98
23) Vinyl Acetate	6.595	43	2349580	541.815	ug/l	99
24) 1,1-Dichloroethane	6.565	63	380941	101.270	ug/l	98
25) 2-Butanone	7.477	43	596036	503.469	ug/l	99
26) 2,2-Dichloropropane	7.483	77	360997	102.775	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	232992	99.132	ug/l	97
28) Bromochloromethane	7.806	49	142811	100.575	ug/l	97
29) Tetrahydrofuran	7.836	42	373666	507.558	ug/l	99
30) Chloroform	7.959	83	390189	97.513	ug/l	98
31) Cyclohexane	8.253	56	318957	96.305	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	365495	101.081	ug/l	98
36) 1,1-Dichloropropene	8.365	75	276659	107.966	ug/l	99
37) Ethyl Acetate	7.553	43	236399	101.478	ug/l	100
38) Carbon Tetrachloride	8.359	117	321086	108.554	ug/l	97
39) Methylcyclohexane	9.594	83	322151	120.983	ug/l	97
40) Benzene	8.600	78	857333	105.783	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085005.D
Acq On : 22 Nov 2024 11:22
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 23 01:57:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	138044	107.026 ug/l	99
42) 1,2-Dichloroethane	8.665	62	288320	103.986 ug/l	100
43) Isopropyl Acetate	8.683	43	473683	97.891 ug/l	98
44) Trichloroethene	9.347	130	197483	104.851 ug/l	96
45) 1,2-Dichloropropane	9.618	63	206776	103.586 ug/l	99
46) Dibromomethane	9.706	93	144116	103.900 ug/l	99
47) Bromodichloromethane	9.883	83	310562	105.641 ug/l	98
48) Methyl methacrylate	9.677	41	197798	109.847 ug/l	98
49) 1,4-Dioxane	9.694	88	61188	1959.471 ug/l #	89
51) 4-Methyl-2-Pentanone	10.441	43	1162080	525.783 ug/l	98
52) Toluene	10.630	92	522980	109.001 ug/l	100
53) t-1,3-Dichloropropene	10.830	75	321790	109.180 ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	346064	110.678 ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	188724	105.602 ug/l	99
56) Ethyl methacrylate	10.871	69	307844	117.883 ug/l	98
57) 1,3-Dichloropropane	11.159	76	329902	104.887 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	771827	602.530 ug/l	99
59) 2-Hexanone	11.194	43	884879	535.314 ug/l	100
60) Dibromochloromethane	11.359	129	229875	105.249 ug/l	98
61) 1,2-Dibromoethane	11.465	107	191654	103.624 ug/l	98
64) Tetrachloroethene	11.100	164	168926	104.032 ug/l	94
65) Chlorobenzene	11.888	112	543518	99.452 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	201000	104.459 ug/l	99
67) Ethyl Benzene	11.959	91	994049	112.113 ug/l	100
68) m/p-Xylenes	12.071	106	749782	222.116 ug/l	100
69) o-Xylene	12.394	106	353441	110.070 ug/l	99
70) Styrene	12.406	104	601271	112.600 ug/l	100
71) Bromoform	12.576	173	148879	104.234 ug/l #	99
73) Isopropylbenzene	12.694	105	922085	110.216 ug/l	100
74) N-amyl acetate	12.494	43	368260	106.820 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	255286	89.359 ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	239373m	107.901 ug/l	
77) Bromobenzene	12.976	156	215866	95.881 ug/l	98
78) n-propylbenzene	13.035	91	1078373	111.753 ug/l	99
79) 2-Chlorotoluene	13.123	91	658525	102.230 ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	776252	110.573 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	99218	104.513 ug/l	96
82) 4-Chlorotoluene	13.218	91	669311	99.811 ug/l	99
83) tert-Butylbenzene	13.435	119	646369	107.009 ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	787962	109.040 ug/l	100
85) sec-Butylbenzene	13.612	105	920223	112.777 ug/l	99
86) p-Isopropyltoluene	13.729	119	775322	115.104 ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	407844	91.842 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	409489	90.361 ug/l	99
89) n-Butylbenzene	14.053	91	683538	109.120 ug/l	99
90) Hexachloroethane	14.335	117	147973	100.783 ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	394872	92.796 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	50863	92.071 ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	219866	95.107 ug/l	99
94) Hexachlorobutadiene	15.500	225	98588	92.405 ug/l	99
95) Naphthalene	15.641	128	685964	104.183 ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	218578	99.092 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085005.D
Acq On : 22 Nov 2024 11:22
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 23 01:57:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085005.D
Acq On : 22 Nov 2024 11:22
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 23 01:57:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
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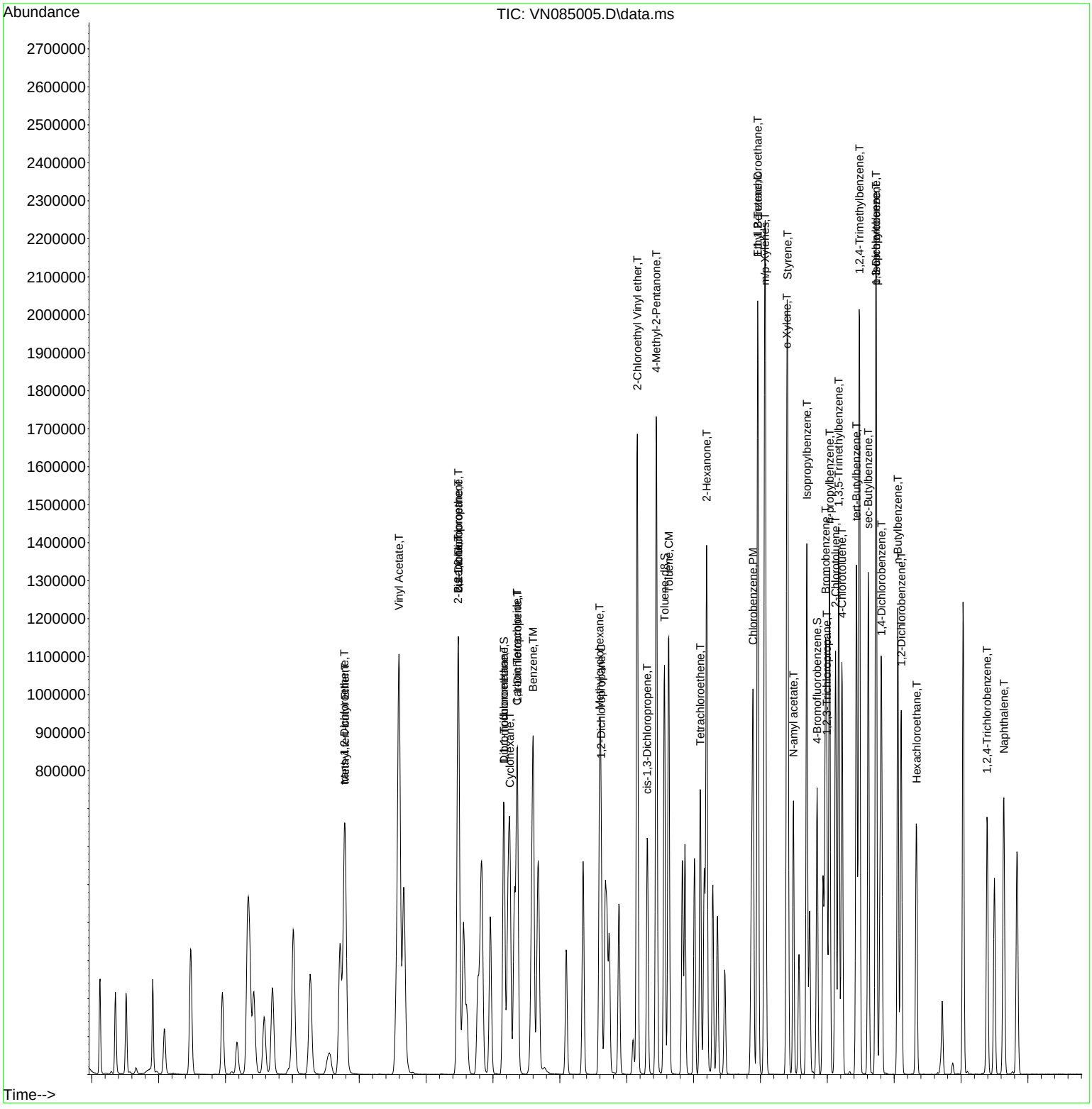
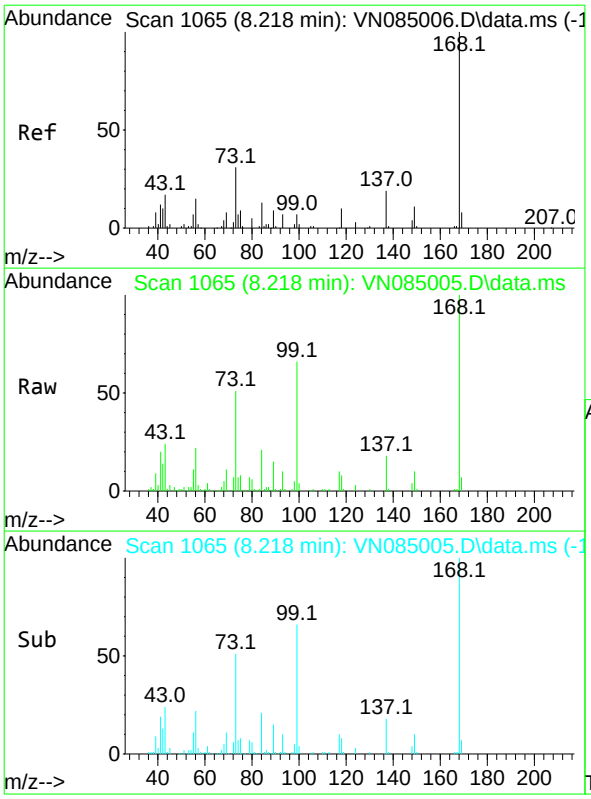
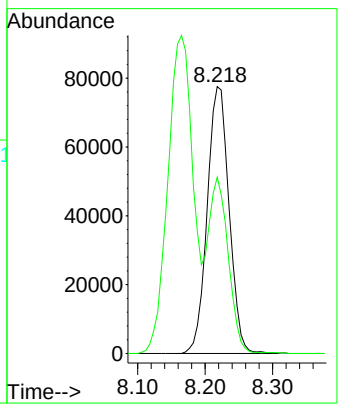




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:168 Resp: 174548

Ion	Ratio	Lower	Upper
168	100		
99	65.7	51.2	76.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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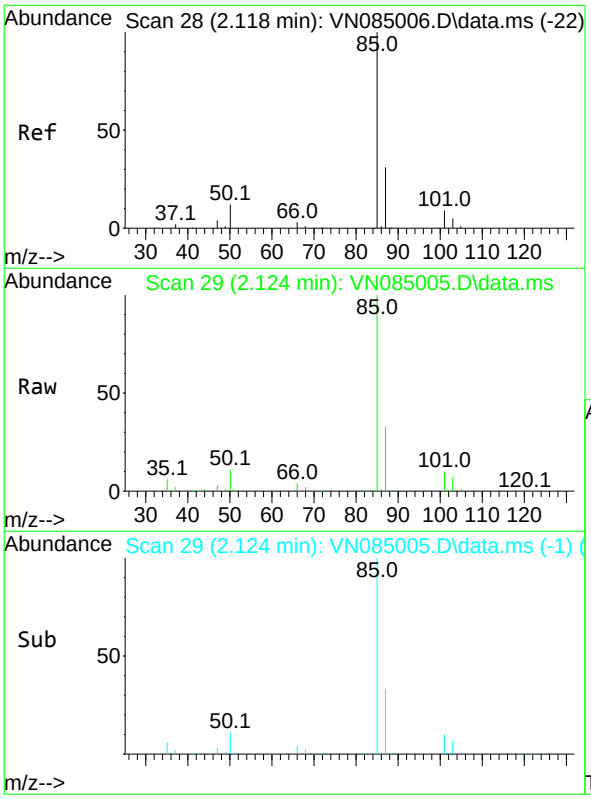
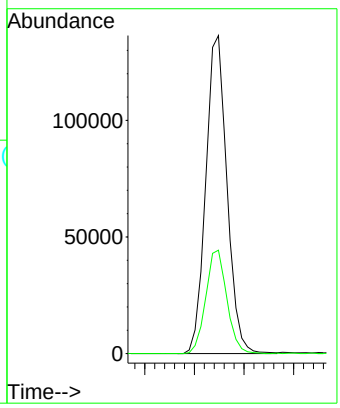
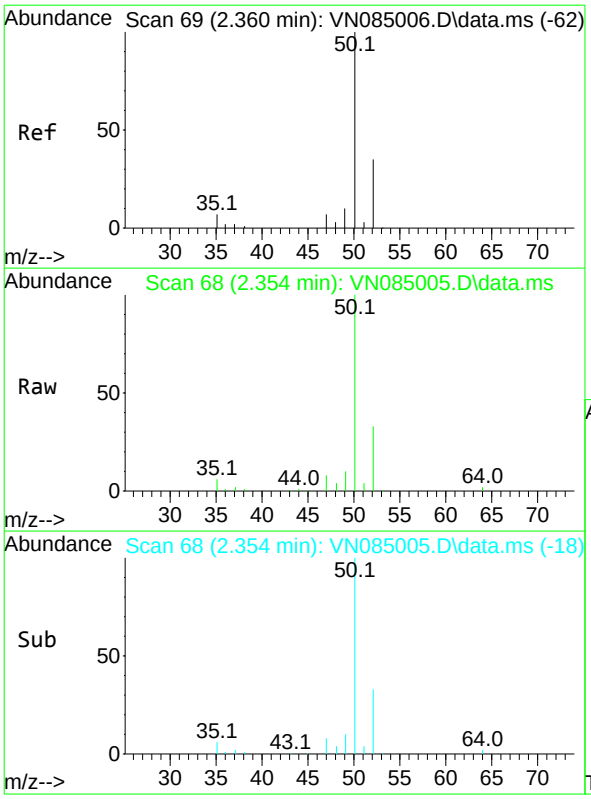


#2
Dichlorodifluoromethane
Concen: 102.473 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 85 Resp: 202252

Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.7	47.1

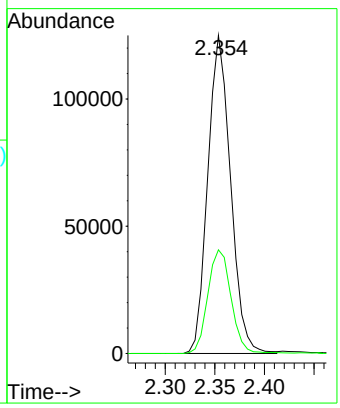




#3
Chloromethane
Concen: 87.235 ug/l
RT: 2.354 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 50 Resp: 199697

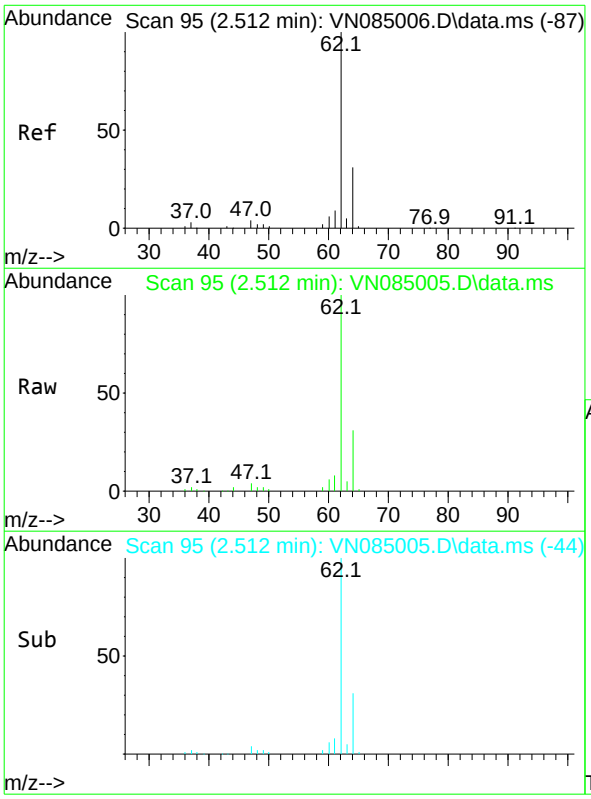
Ion	Ratio	Lower	Upper
50	100		
52	32.6	27.8	41.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

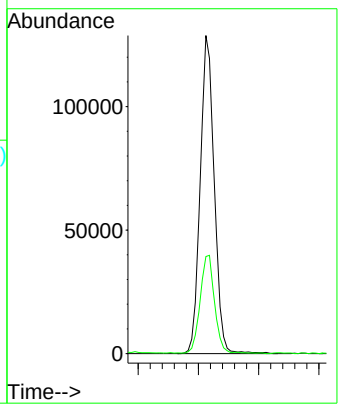
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

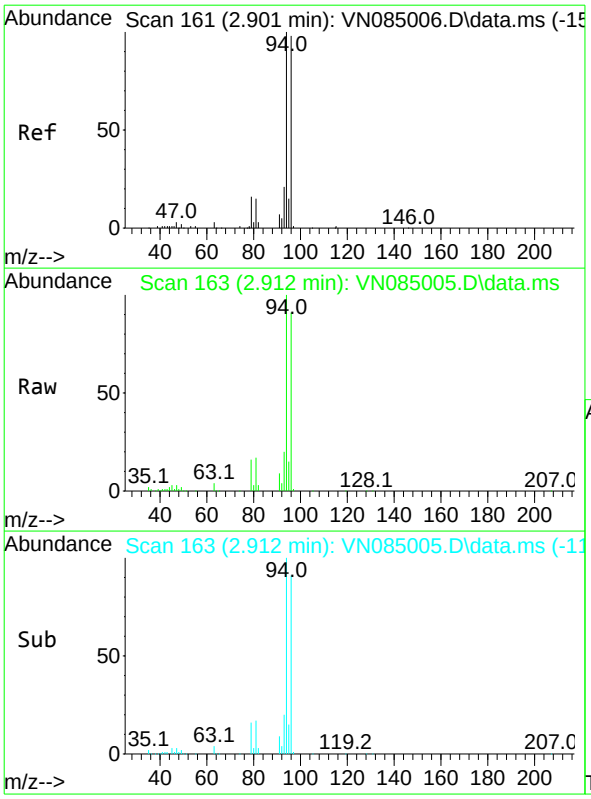


#4
Vinyl Chloride
Concen: 101.241 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 62 Resp: 208274

Ion	Ratio	Lower	Upper
62	100		
64	30.3	24.6	36.8

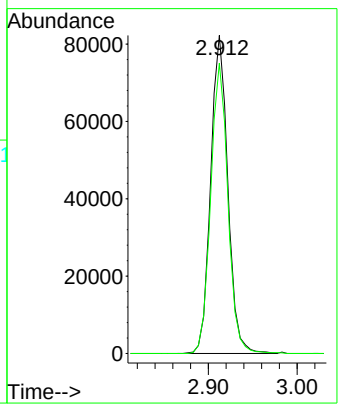




#5
Bromomethane
Concen: 95.681 ug/l
RT: 2.912 min Scan# 16
Delta R.T. 0.012 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 94 Resp: 110325

Ion	Ratio	Lower	Upper
94	100		
96	91.3	78.7	118.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
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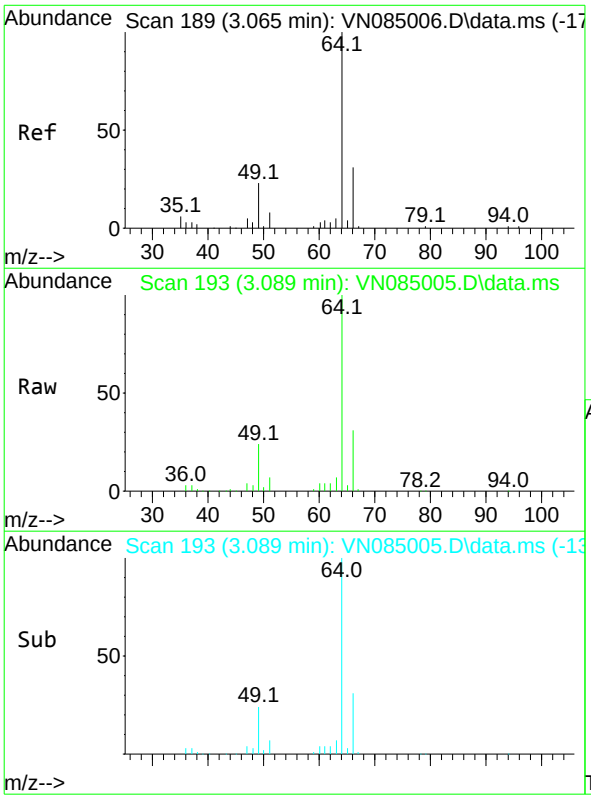
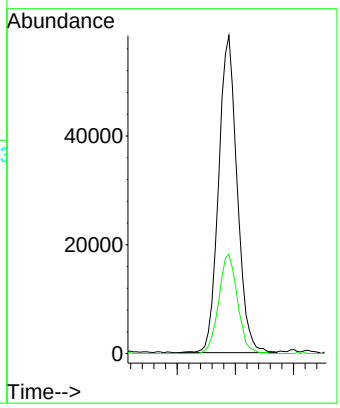
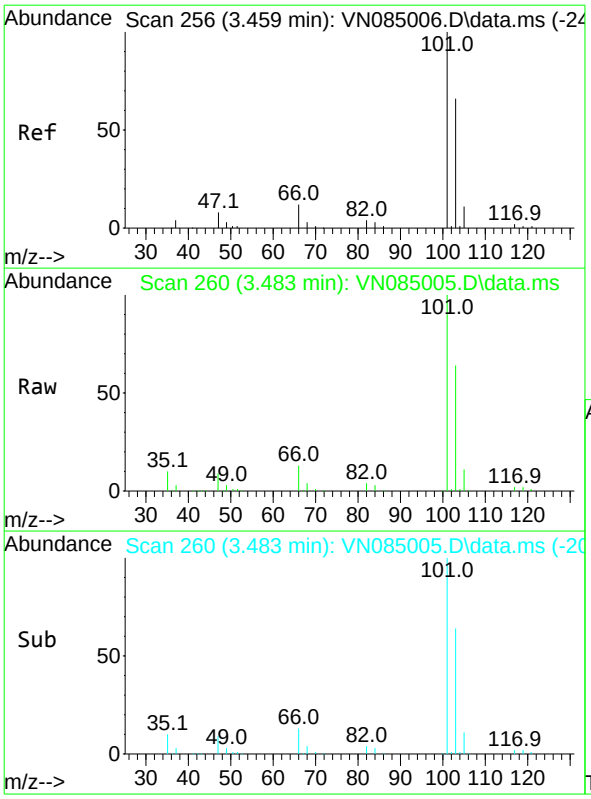


#6
Chloroethane
Concen: 93.064 ug/l
RT: 3.089 min Scan# 193
Delta R.T. 0.024 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 64 Resp: 129044

Ion	Ratio	Lower	Upper
64	100		
66	31.3	24.4	36.6

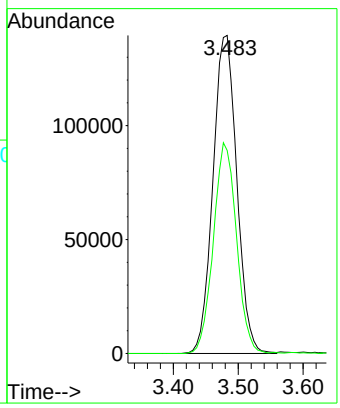




#7
Trichlorofluoromethane
Concen: 101.806 ug/l
RT: 3.483 min Scan# 26
Delta R.T. 0.024 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:101 Resp: 356271

Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.6	78.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
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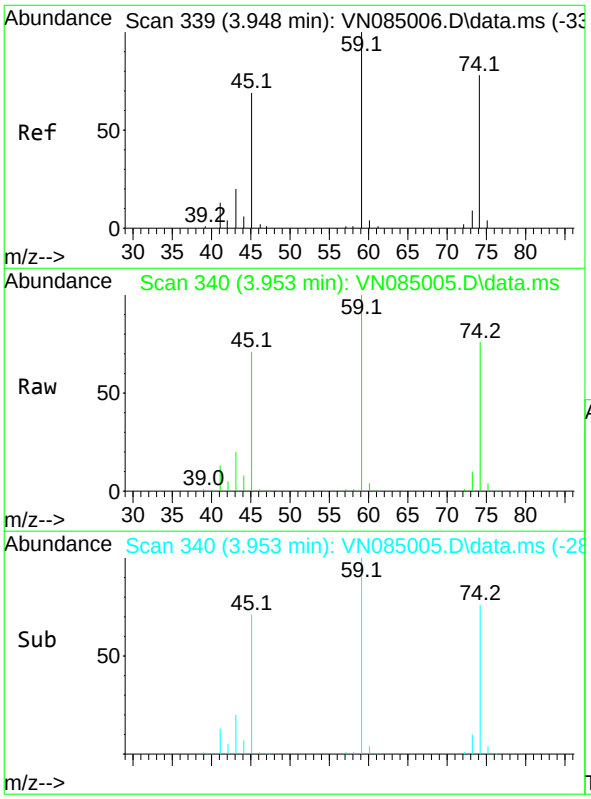
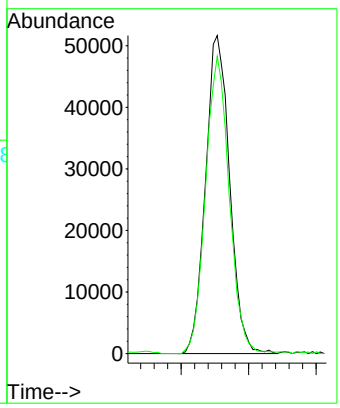
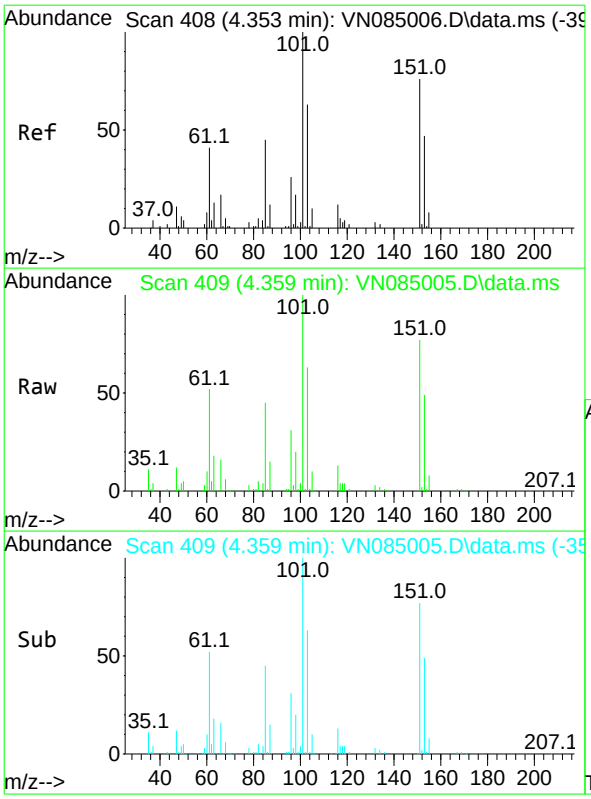


#8
Diethyl Ether
Concen: 107.697 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 74 Resp: 128277

Ion	Ratio	Lower	Upper
74	100		
45	91.9	46.7	140.1

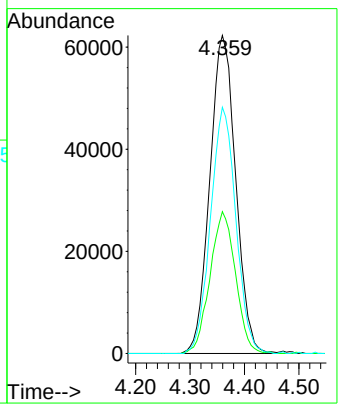




#9
1,1,2-Trichlorotrifluoroethane
Concen: 103.783 ug/l
RT: 4.359 min Scan# 40
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:101 Resp: 205989

Ion	Ratio	Lower	Upper
101	100		
85	44.0	36.9	55.3
151	75.9	60.8	91.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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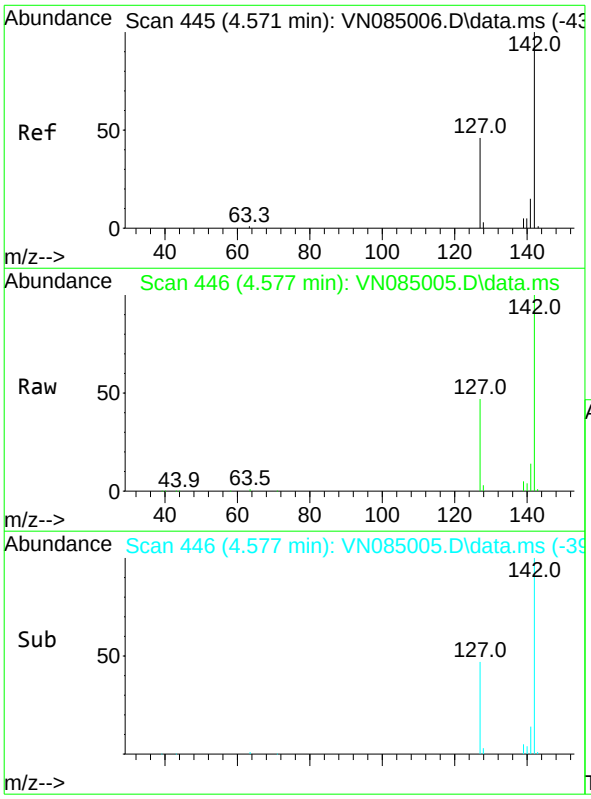
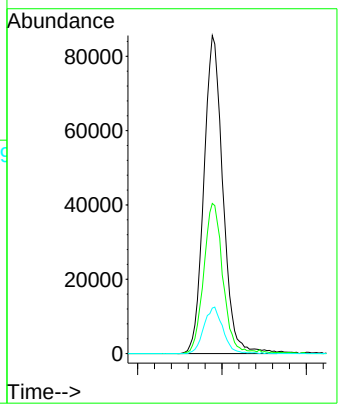
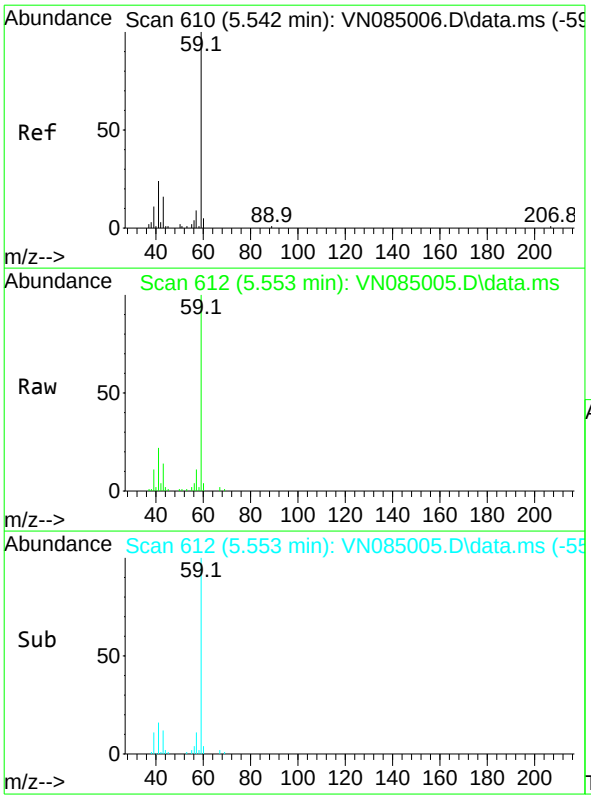


#10
Methyl Iodide
Concen: 102.212 ug/l
RT: 4.577 min Scan# 446
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:142 Resp: 268539

Ion	Ratio	Lower	Upper
142	100		
127	47.2	36.6	54.8
141	14.3	12.2	18.4

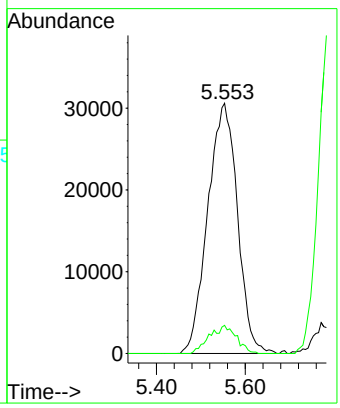




#11
Tert butyl alcohol
Concen: 427.348 ug/l
RT: 5.553 min Scan# 61
Delta R.T. 0.012 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 59 Resp: 141986

Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.4	11.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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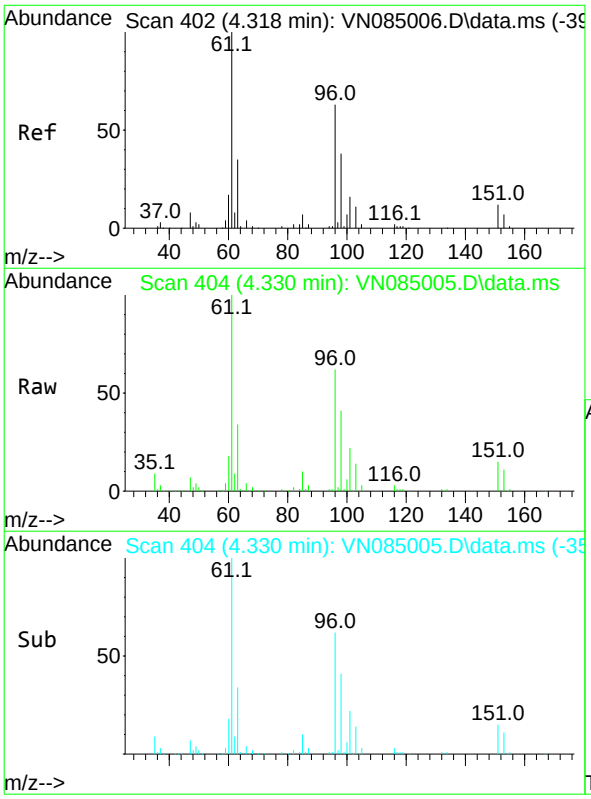
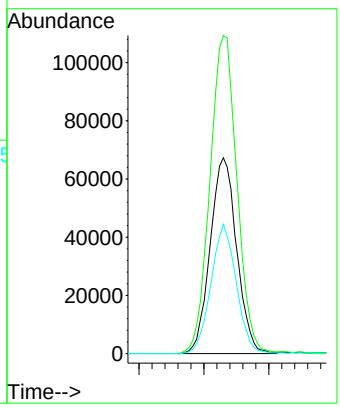
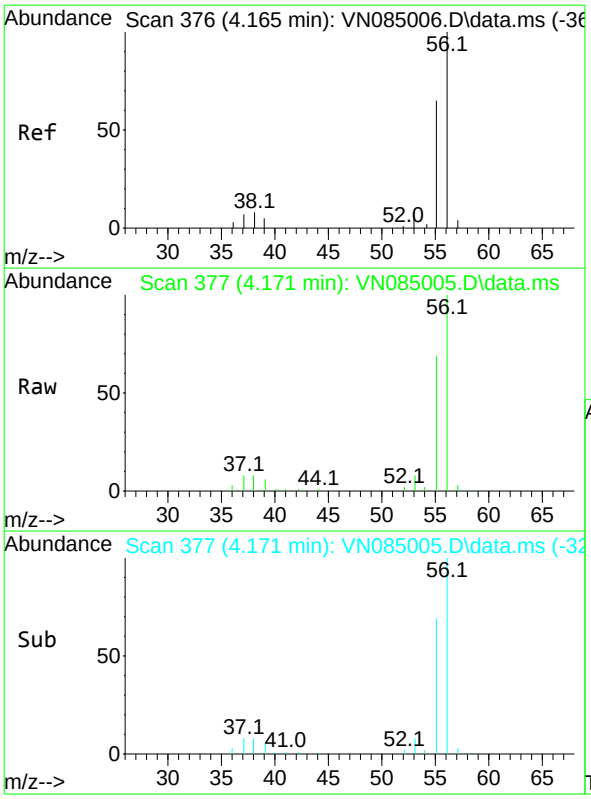


#12
1,1-Dichloroethene
Concen: 103.013 ug/l
RT: 4.330 min Scan# 404
Delta R.T. 0.012 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 96 Resp: 190847

Ion	Ratio	Lower	Upper
96	100		
61	162.4	127.8	191.8
98	66.1	49.2	73.8

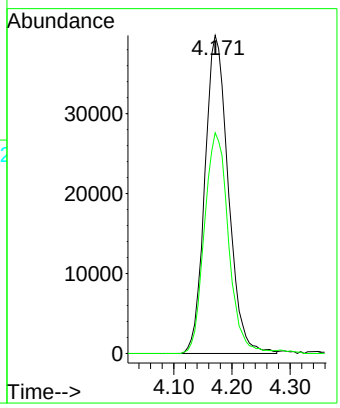




#13
Acrolein
Concen: 502.422 ug/l
RT: 4.171 min Scan# 37
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 56 Resp: 111387

Ion	Ratio	Lower	Upper
56	100		
55	71.2	54.5	81.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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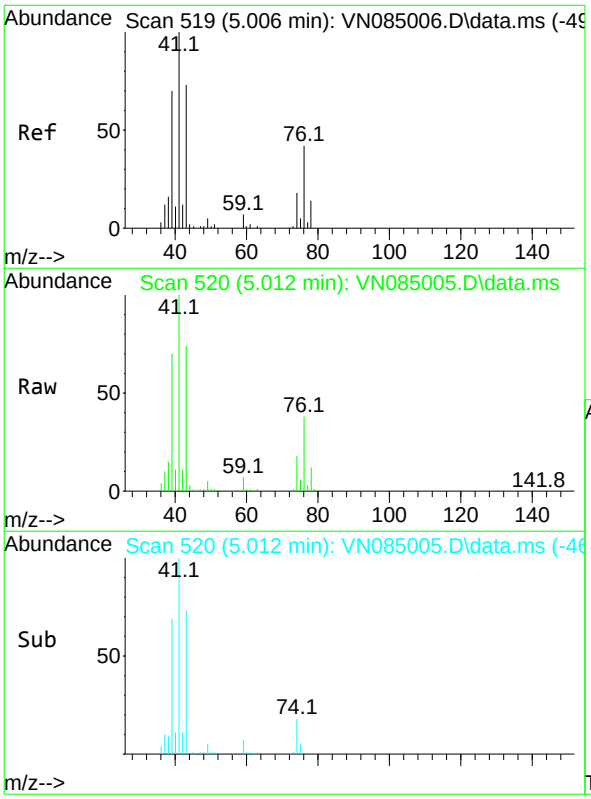
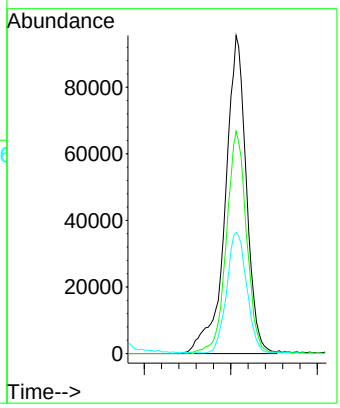
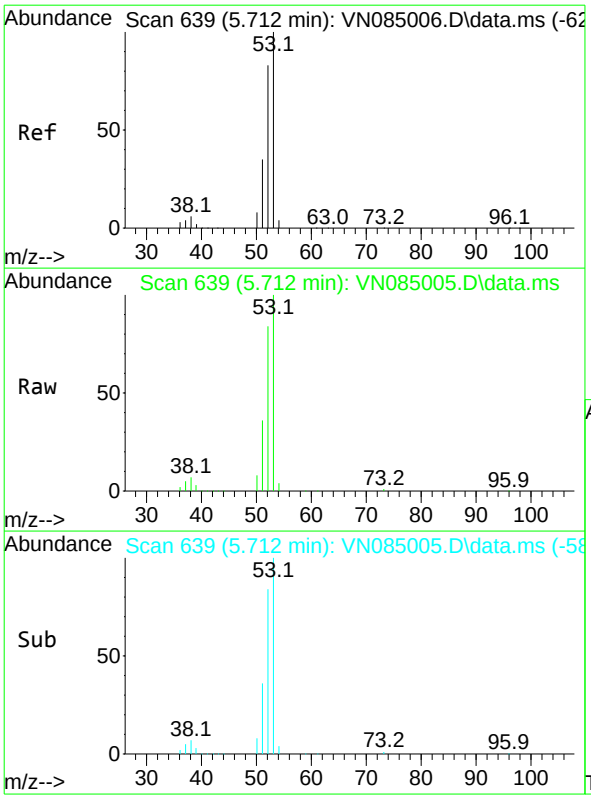


#14
Allyl chloride
Concen: 103.788 ug/l
RT: 5.012 min Scan# 520
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 41 Resp: 324148

Ion	Ratio	Lower	Upper
41	100		
39	66.7	53.8	80.8
76	35.8	29.3	43.9

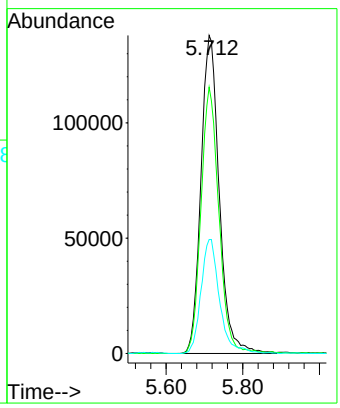




#15
Acrylonitrile
Concen: 485.851 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 53 Resp: 457016

Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.5	98.3
51	36.3	28.4	42.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
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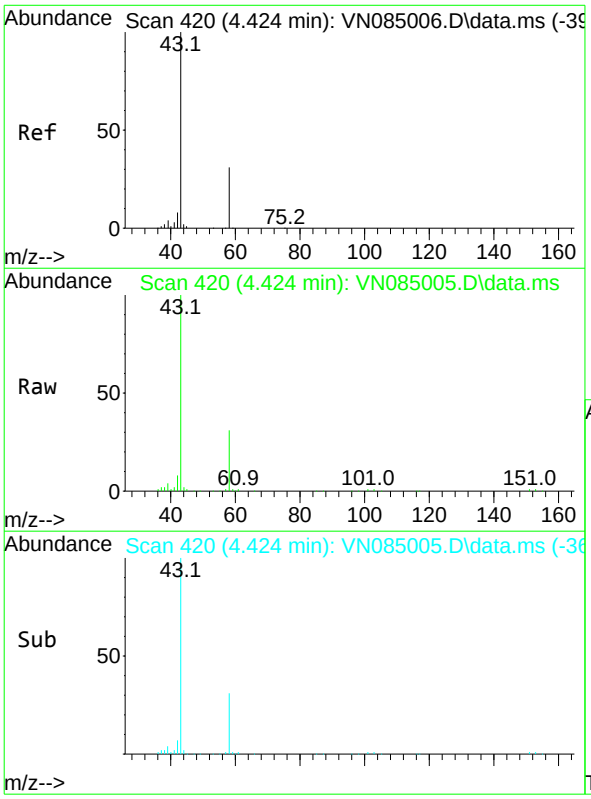
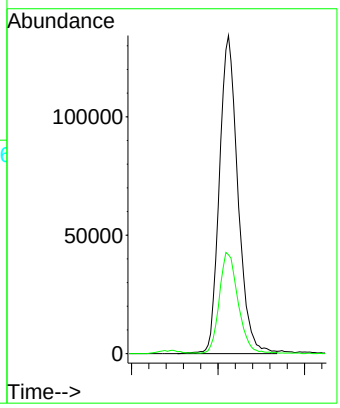
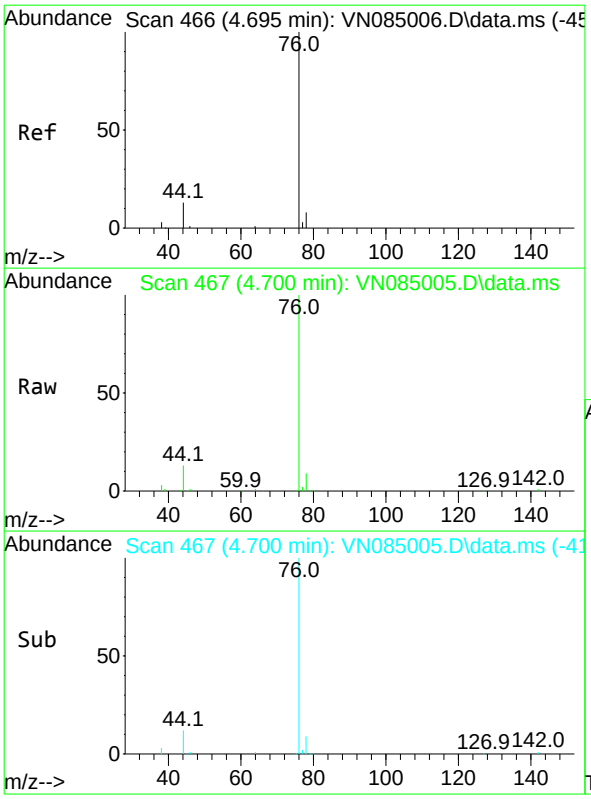


#16
Acetone
Concen: 551.165 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 399104

Ion	Ratio	Lower	Upper
43	100		
58	30.8	25.4	38.2

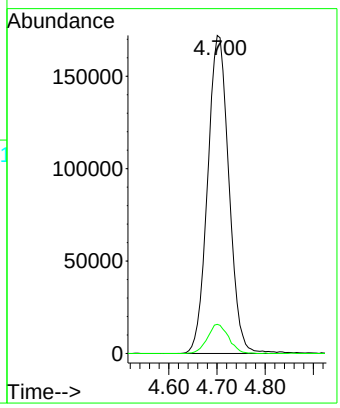




#17
Carbon Disulfide
Concen: 96.448 ug/l
RT: 4.700 min Scan# 46
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 76 Resp: 527408

Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.5	9.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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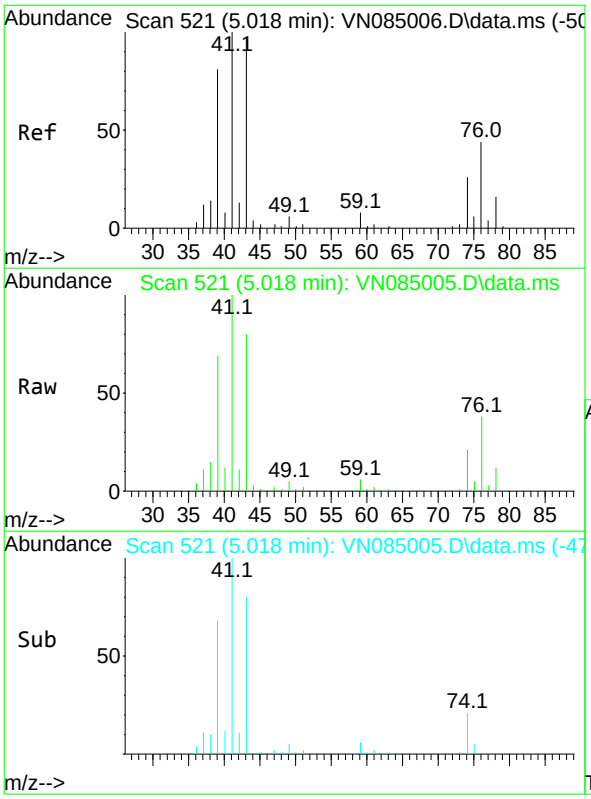
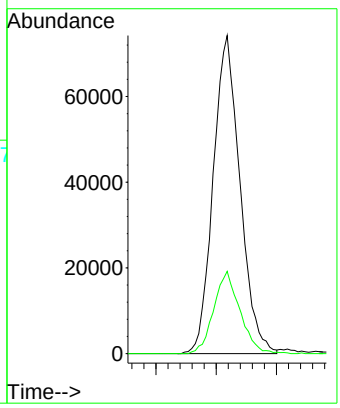
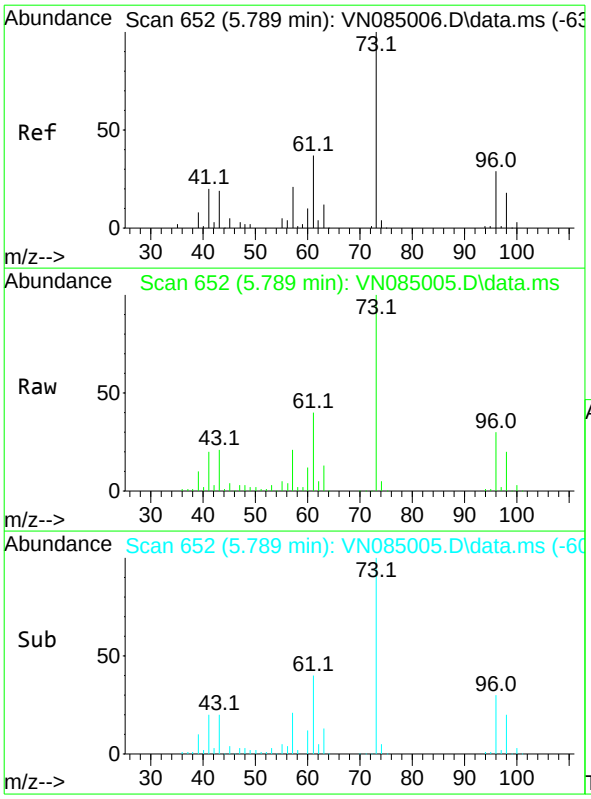


#18
Methyl Acetate
Concen: 100.214 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 229272

Ion	Ratio	Lower	Upper
43	100		
74	25.2	20.1	30.1

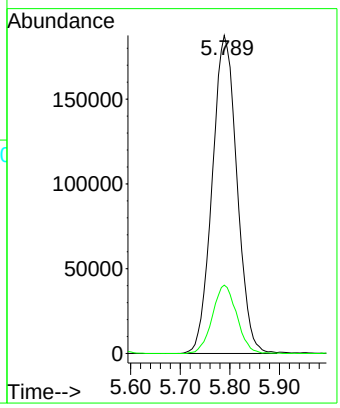




#19
Methyl tert-butyl Ether
Concen: 107.267 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 73 Resp: 649308

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.0	25.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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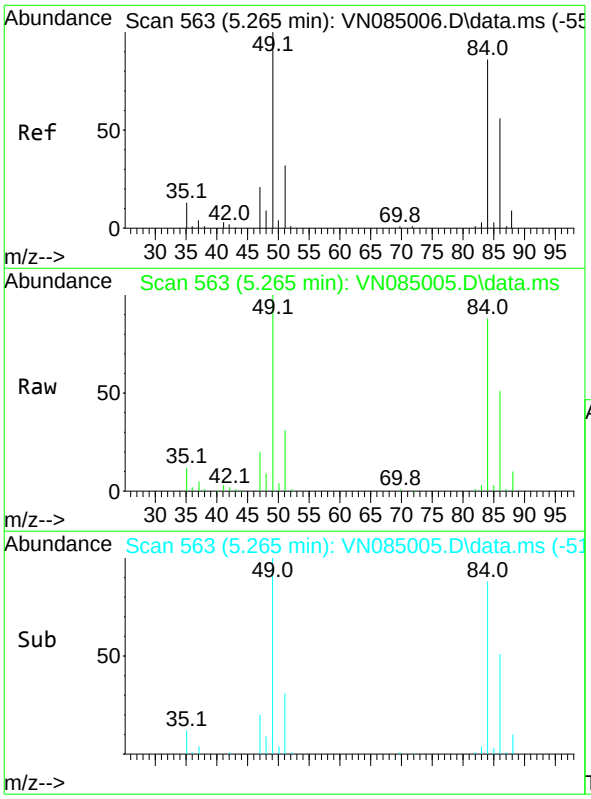
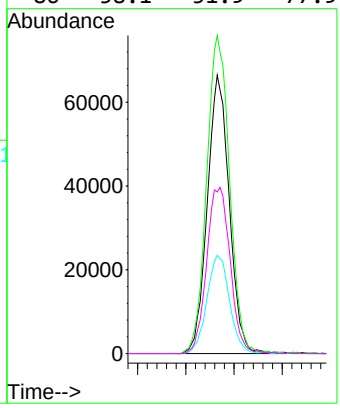
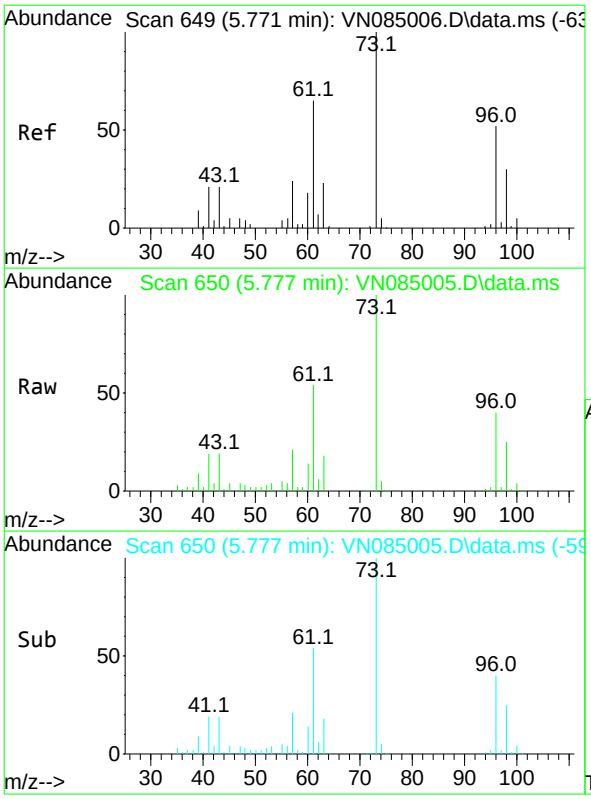


#20
Methylene Chloride
Concen: 95.251 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 84 Resp: 210468

Ion	Ratio	Lower	Upper
84	100		
49	114.2	92.7	139.1
51	35.3	29.4	44.2
86	58.1	51.9	77.9

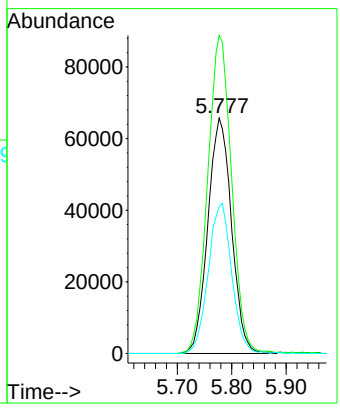




#21
trans-1,2-Dichloroethene
Concen: 102.076 ug/l
RT: 5.777 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 96 Resp: 199008

Ion	Ratio	Lower	Upper
96	100		
61	135.1	100.7	151.1
98	62.5	45.8	68.6



Instrument :
MSVOA_N
ClientSampleId :
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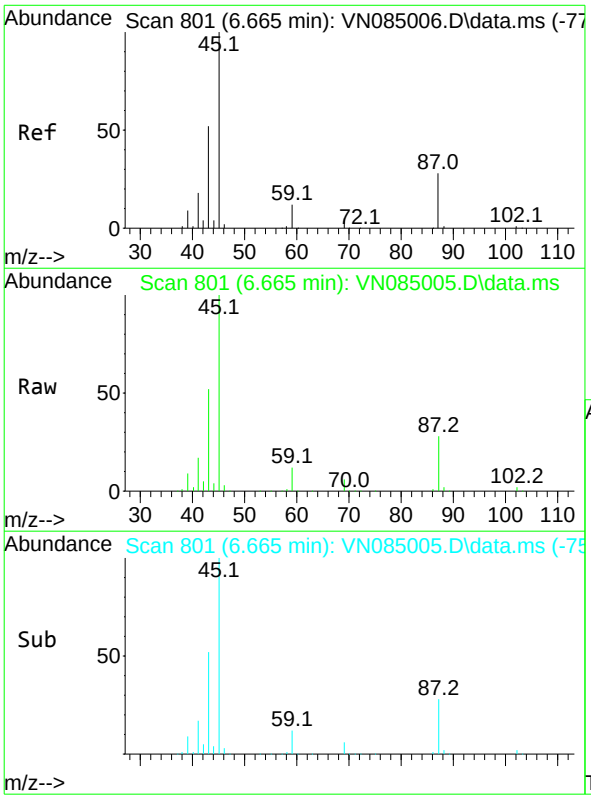
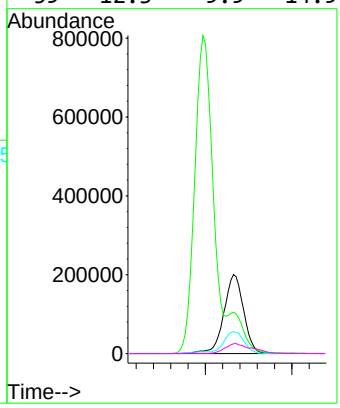
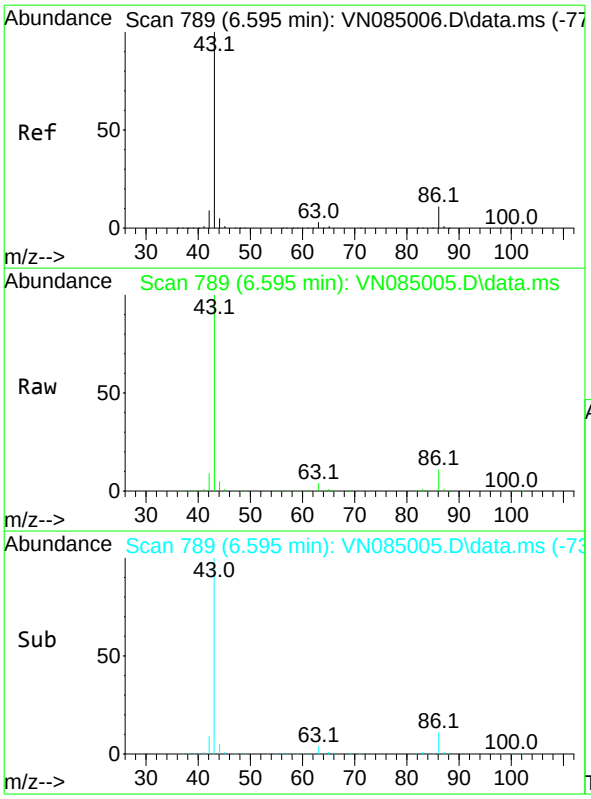


#22
Diisopropyl ether
Concen: 100.923 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 45 Resp: 634389

Ion	Ratio	Lower	Upper
45	100		
43	51.5	42.7	64.1
87	27.3	22.6	34.0
59	12.3	9.9	14.9

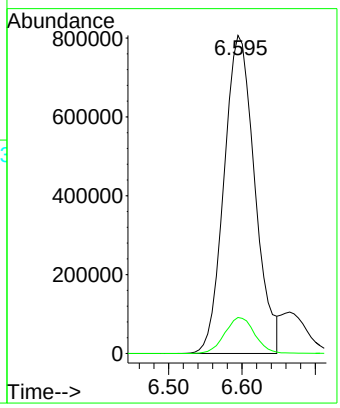




#23
Vinyl Acetate
Concen: 541.815 ug/l
RT: 6.595 min Scan# 78
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 2349580

Ion	Ratio	Lower	Upper
43	100		
86	11.3	8.9	13.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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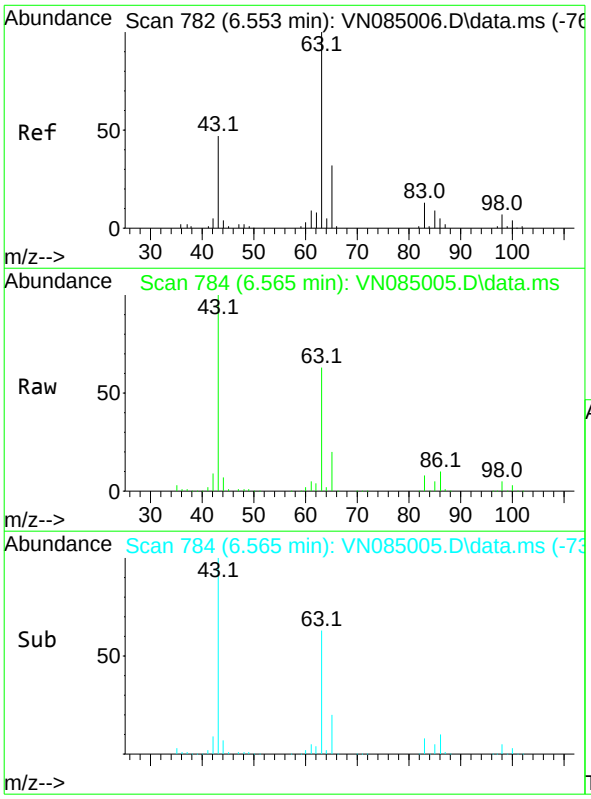
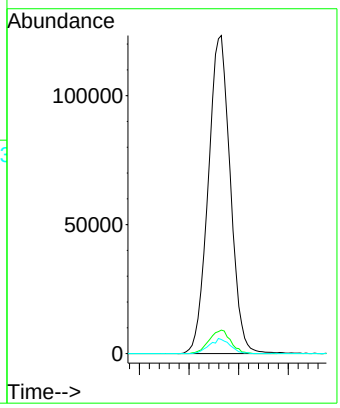
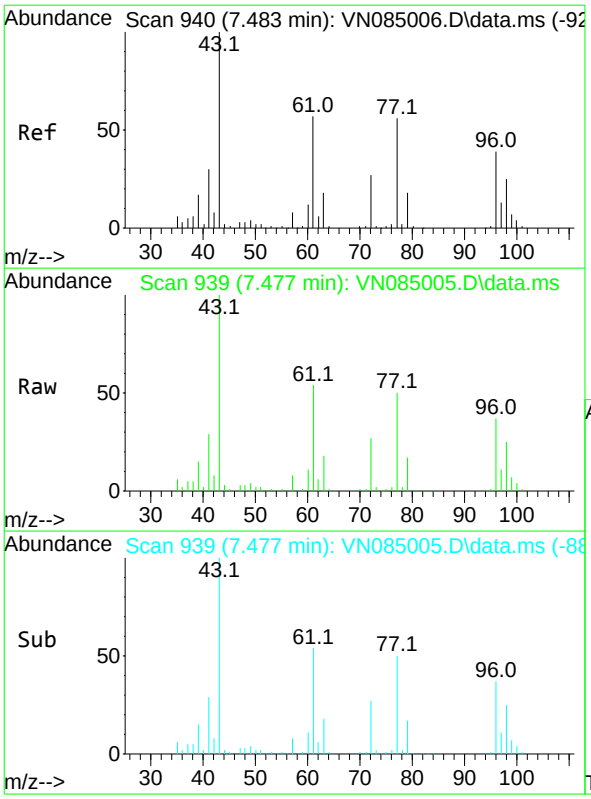


#24
1,1-Dichloroethane
Concen: 101.270 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.012 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 63 Resp: 380941

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.3	9.8
100	4.4	2.2	6.6

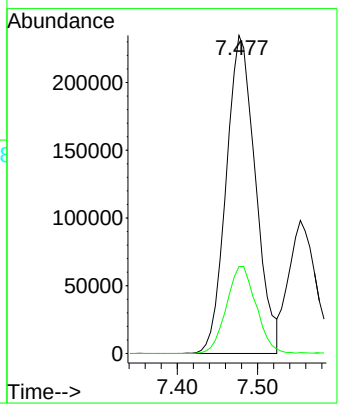




#25
2-Butanone
Concen: 503.469 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 596036

Ion	Ratio	Lower	Upper
43	100		
72	27.3	21.4	32.0



Instrument :
MSVOA_N
ClientSampleId :
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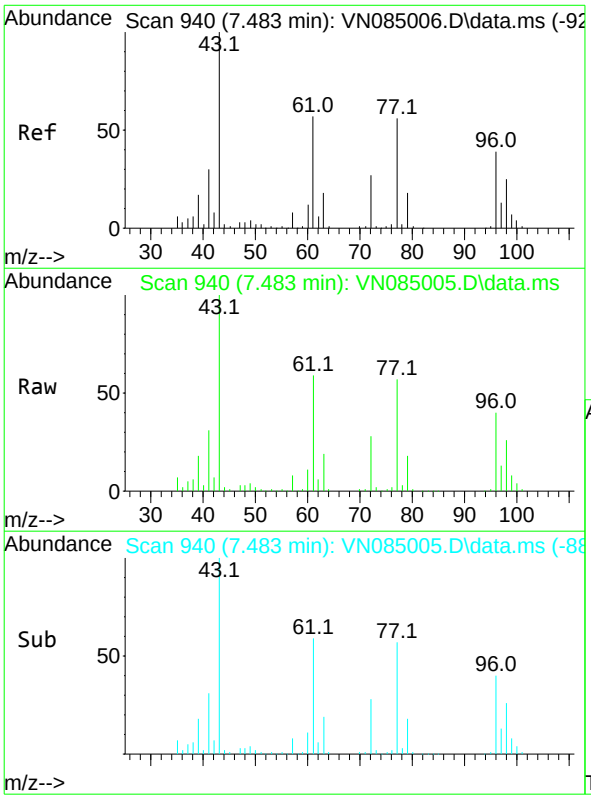
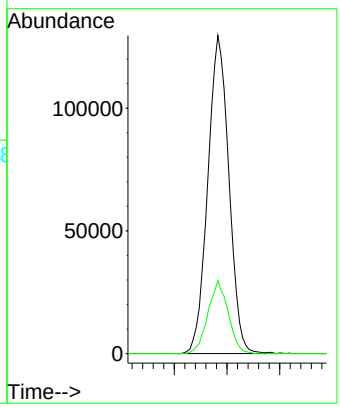
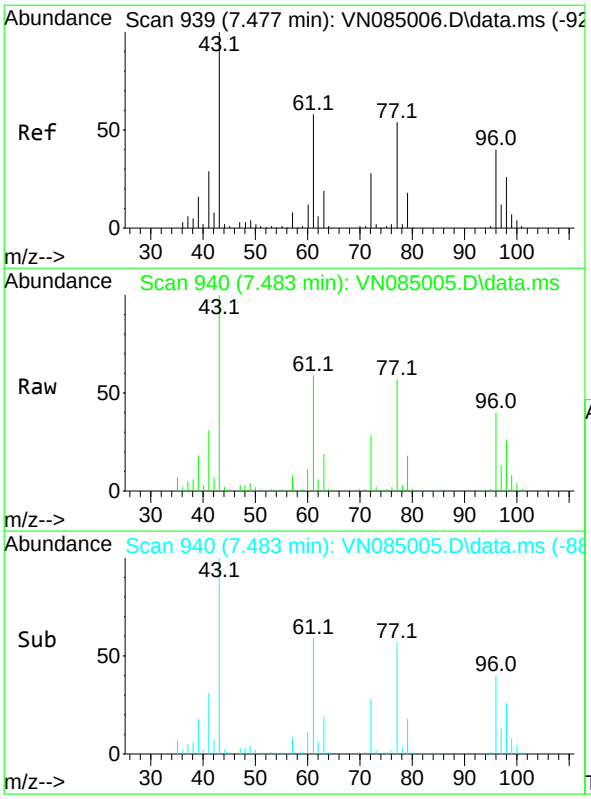


#26
2,2-Dichloropropane
Concen: 102.775 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 77 Resp: 360997

Ion	Ratio	Lower	Upper
77	100		
97	21.9	10.9	32.7

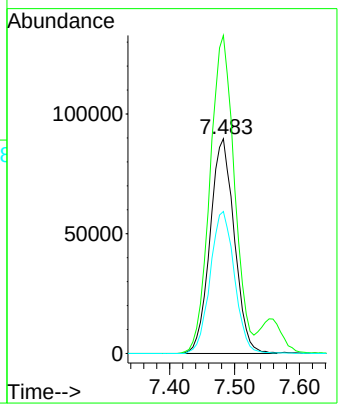




#27
cis-1,2-Dichloroethene
Concen: 99.132 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 96 Resp: 232992

Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	291.6
98	66.3	0.0	129.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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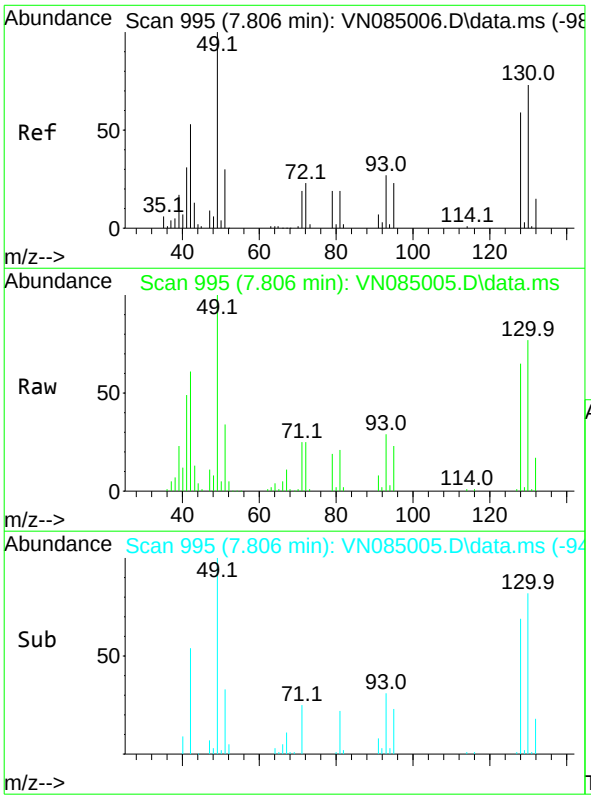
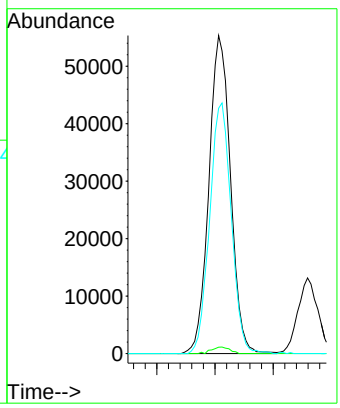
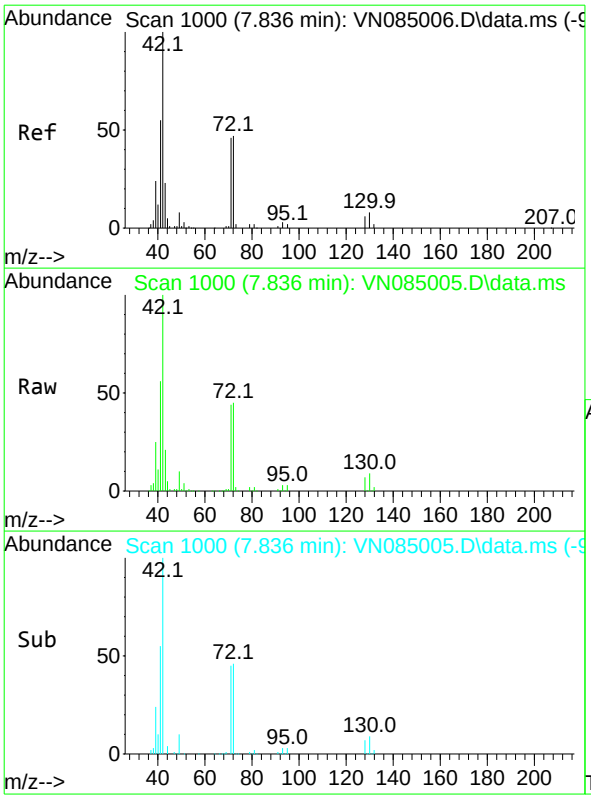


#28
Bromochloromethane
Concen: 100.575 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 49 Resp: 142811

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.0
130	78.7	60.6	90.8

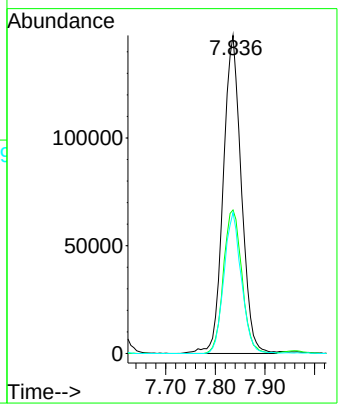




#29
Tetrahydrofuran
Concen: 507.558 ug/l
RT: 7.836 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 42 Resp: 373666

Ion	Ratio	Lower	Upper
42	100		
72	46.1	37.0	55.4
71	42.7	35.0	52.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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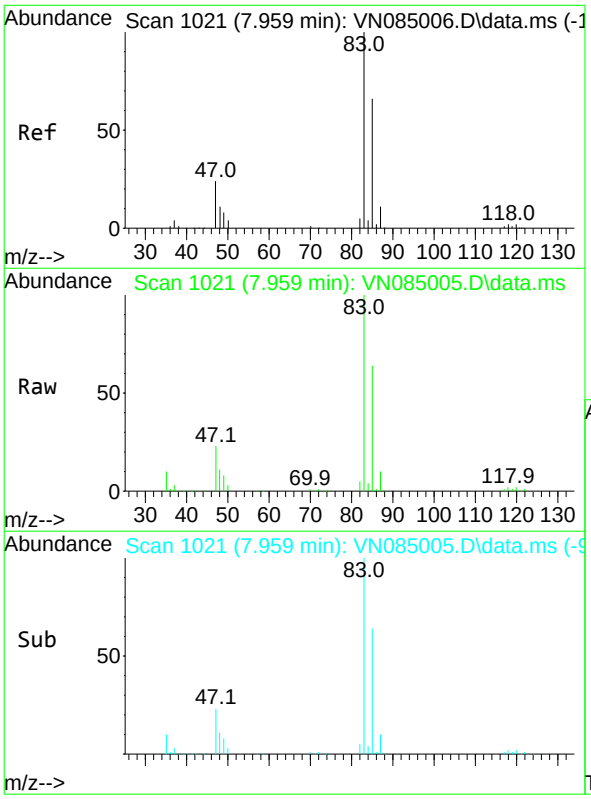
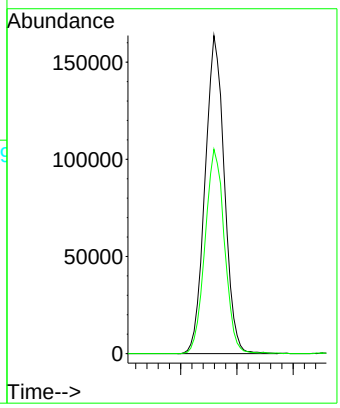
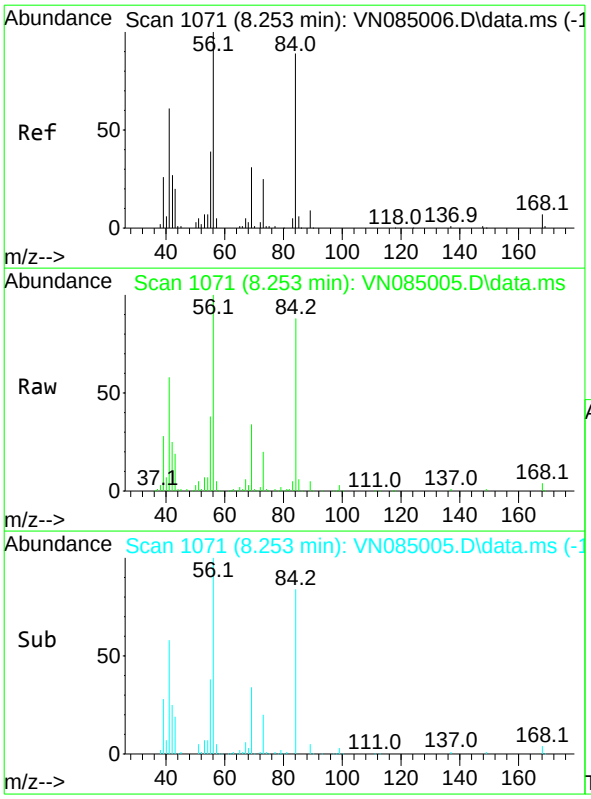


#30
Chloroform
Concen: 97.513 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 83 Resp: 390189

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.6	78.8

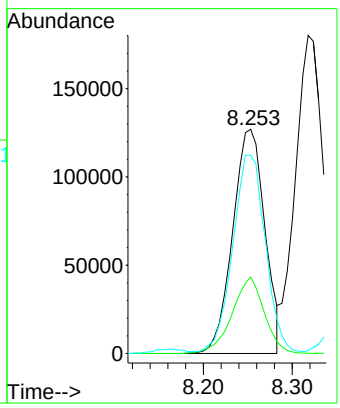




#31
Cyclohexane
Concen: 96.305 ug/l
RT: 8.253 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 56 Resp: 318957

Ion	Ratio	Lower	Upper
56	100		
69	34.1	24.6	36.8
84	86.8	71.4	107.2



Instrument :
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ClientSampleId :
VSTDICC100

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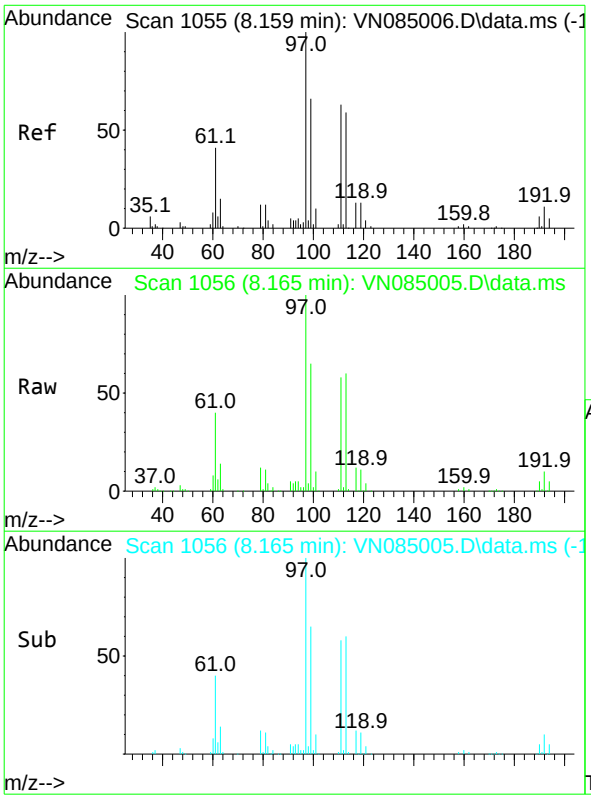
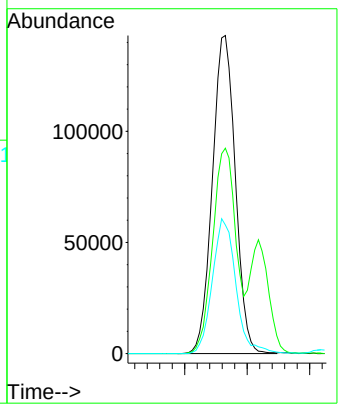
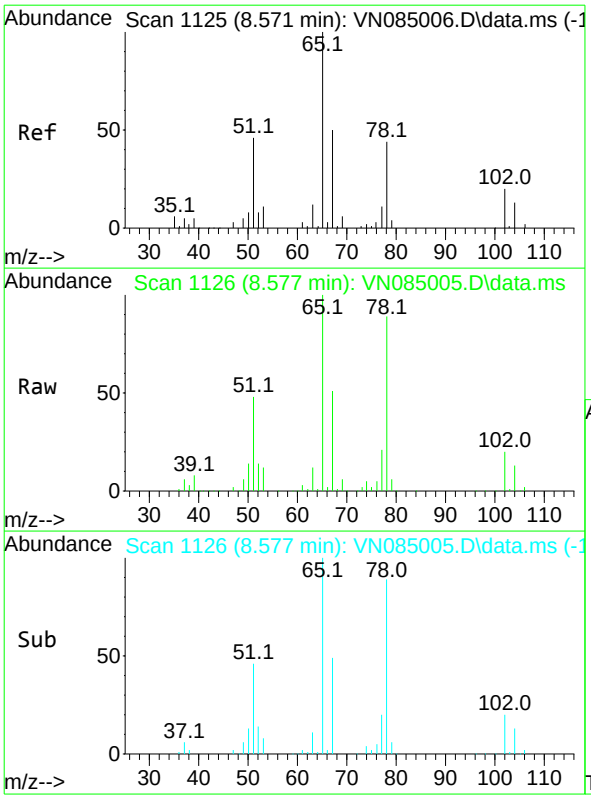


#32
1,1,1-Trichloroethane
Concen: 101.081 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 97 Resp: 365495

Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.0	76.4
61	43.4	36.2	54.2

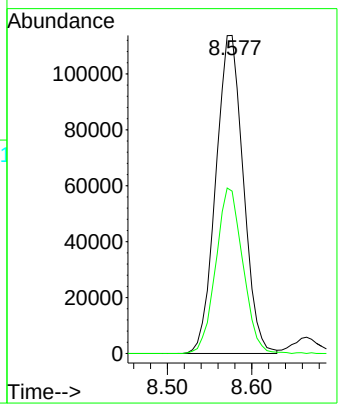




#33
1,2-Dichloroethane-d4
Concen: 103.553 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 65 Resp: 257466

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	105.0



Instrument :
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ClientSampleId :
VSTDICC100

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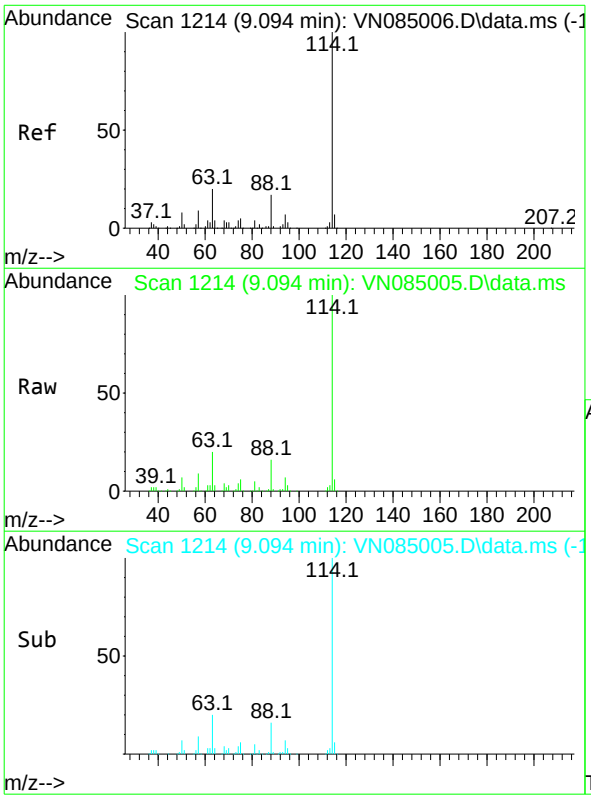
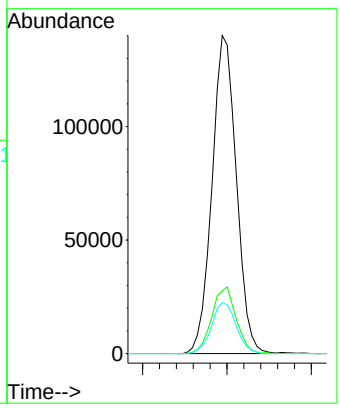
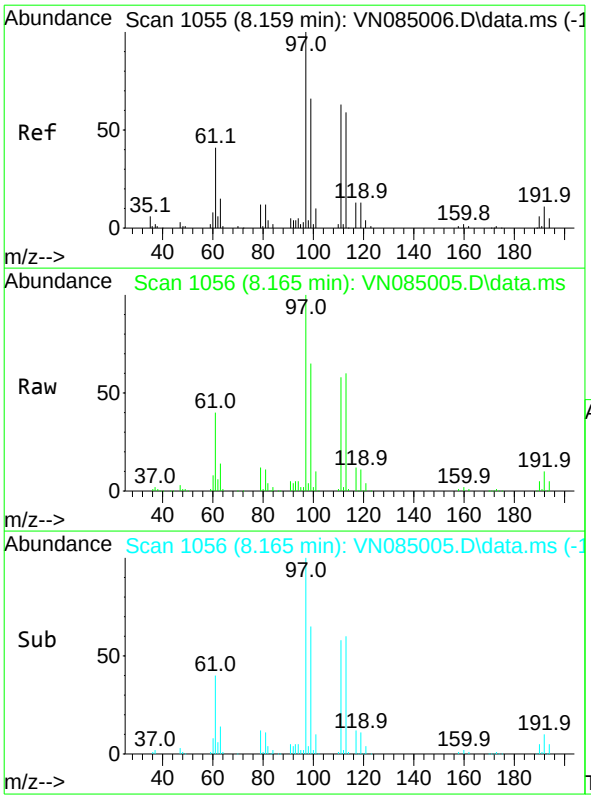


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:114 Resp: 280535

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	41.0
88	16.1	0.0	34.8

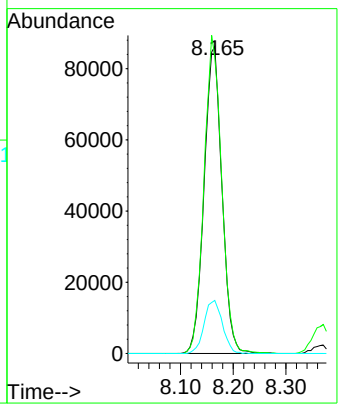




#35
Dibromofluoromethane
Concen: 107.183 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:113 Resp: 202772

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.0	123.0
192	17.7	14.8	22.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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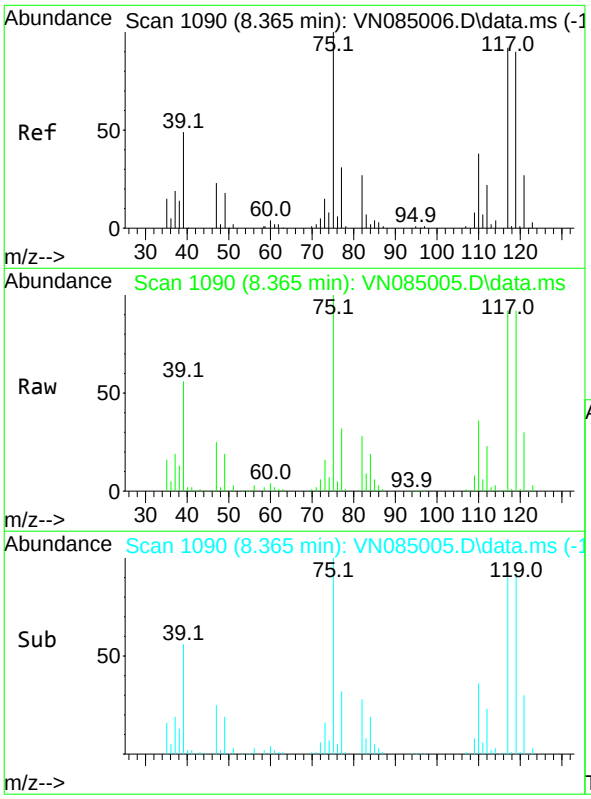
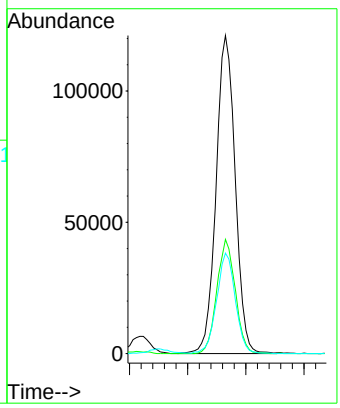
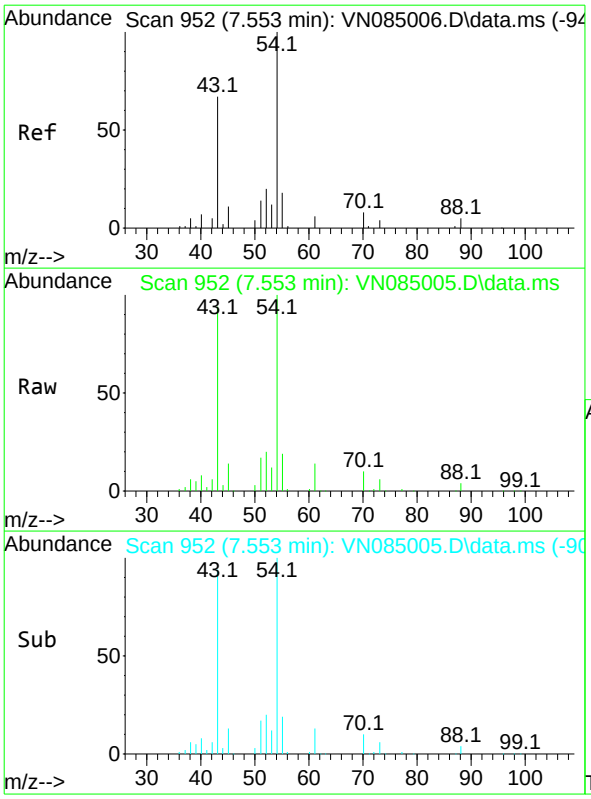


#36
1,1-Dichloropropene
Concen: 107.966 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 276659

Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.2	51.6
77	31.0	24.2	36.4

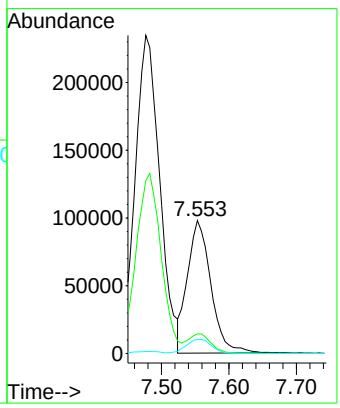




#37
Ethyl Acetate
Concen: 101.478 ug/l
RT: 7.553 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 236399

Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.7	17.5
70	11.6	9.3	13.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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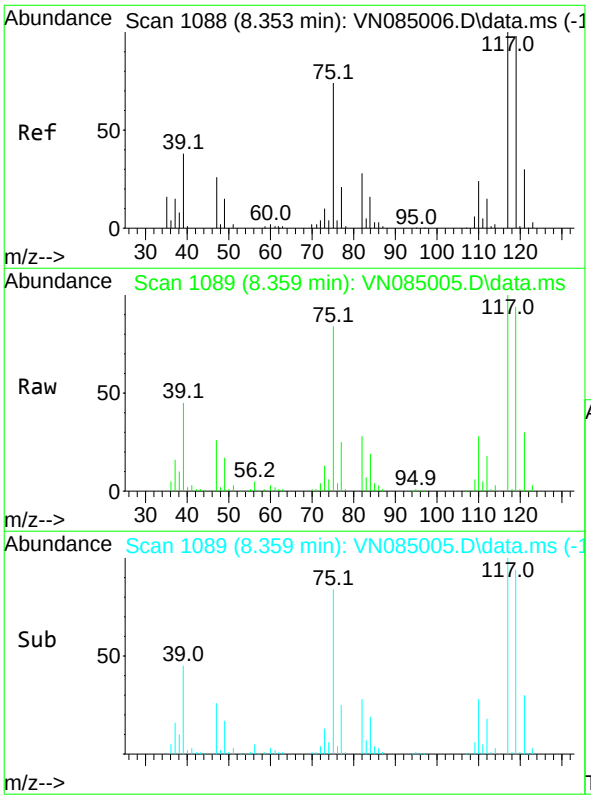
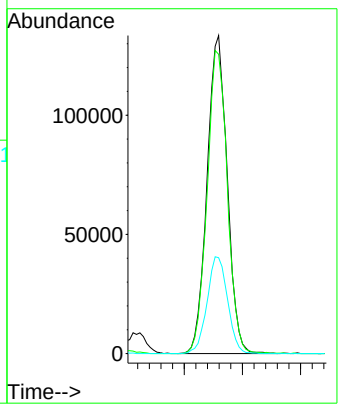
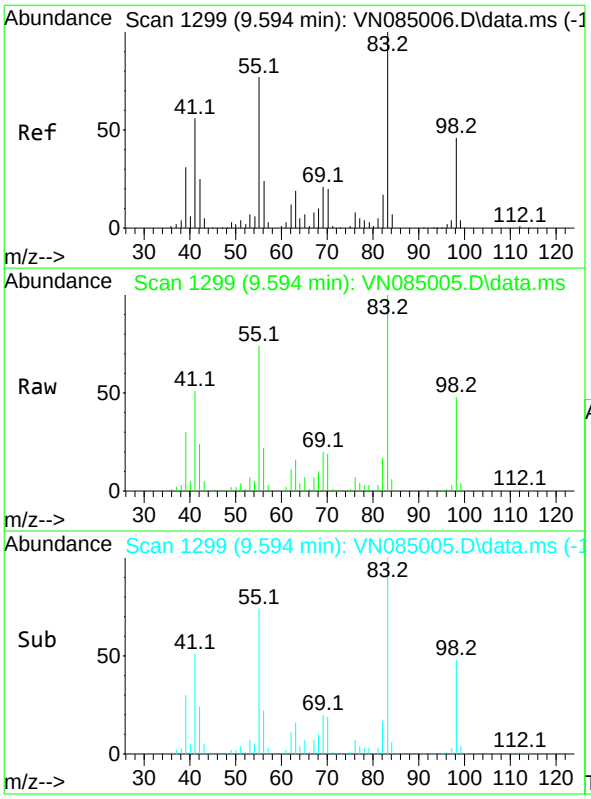


#38
Carbon Tetrachloride
Concen: 108.554 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:117 Resp: 321086

Ion	Ratio	Lower	Upper
117	100		
119	94.1	78.6	117.8
121	30.1	24.2	36.2

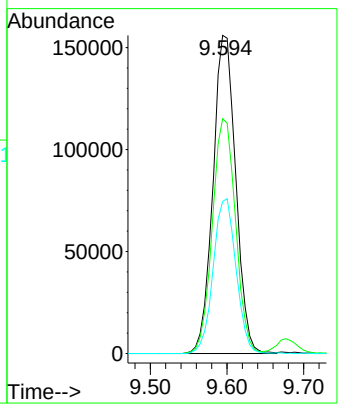




#39
Methylcyclohexane
Concen: 120.983 ug/l
RT: 9.594 min Scan# 12
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 83 Resp: 322151

Ion	Ratio	Lower	Upper
83	100		
55	73.8	61.8	92.6
98	47.8	37.0	55.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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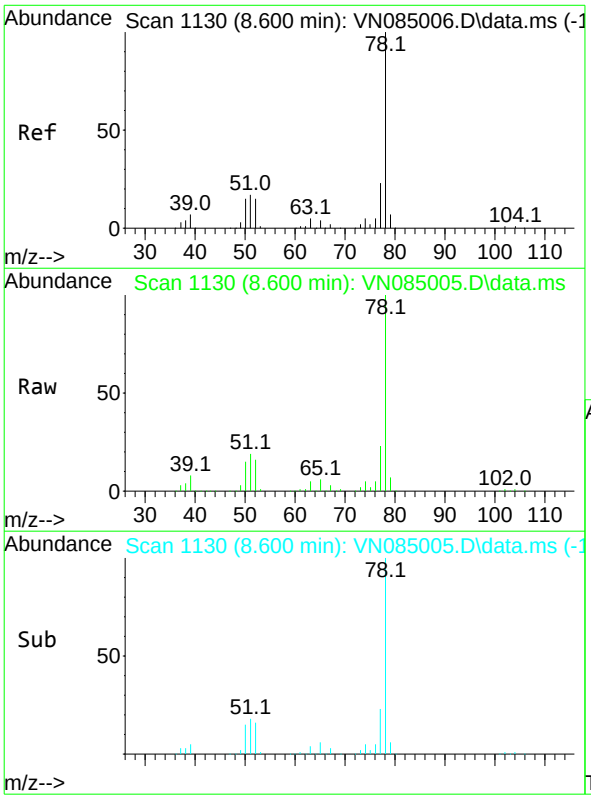
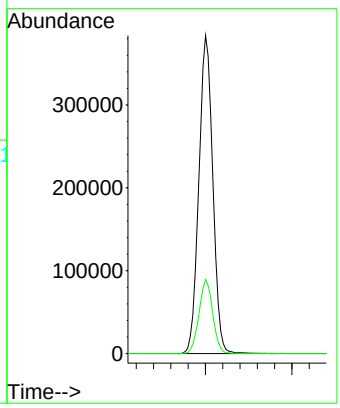
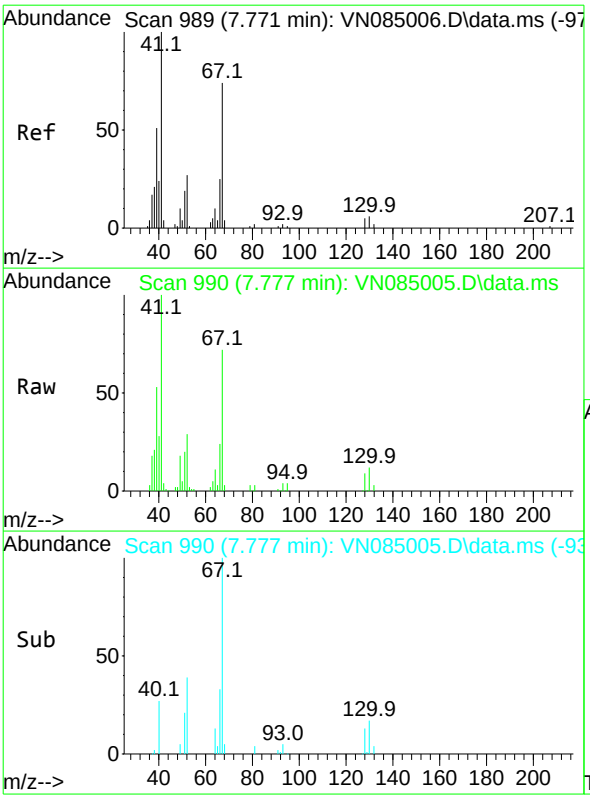


#40
Benzene
Concen: 105.783 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 78 Resp: 857333

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.5	27.7

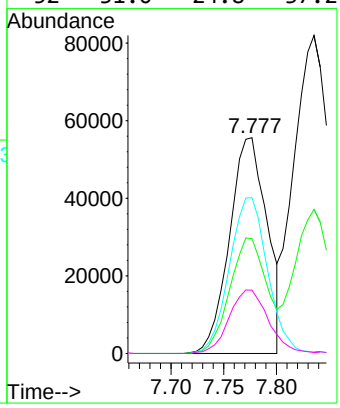




#41
Methacrylonitrile
Concen: 107.026 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 41 Resp: 138044

Ion	Ratio	Lower	Upper
41	100		
39	52.8	42.6	63.8
67	73.5	59.9	89.9
52	31.0	24.8	37.2



Instrument :
MSVOA_N
ClientSampleId :
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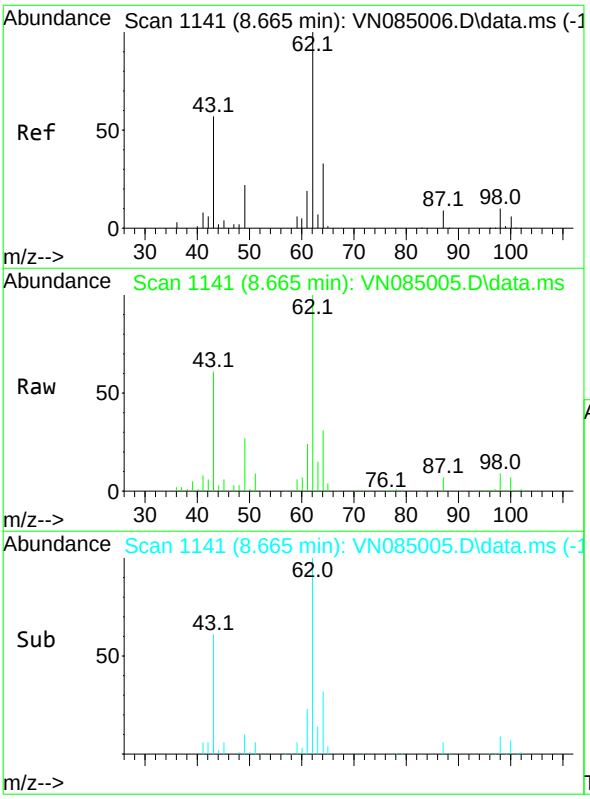
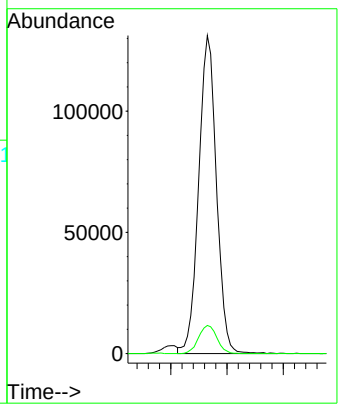
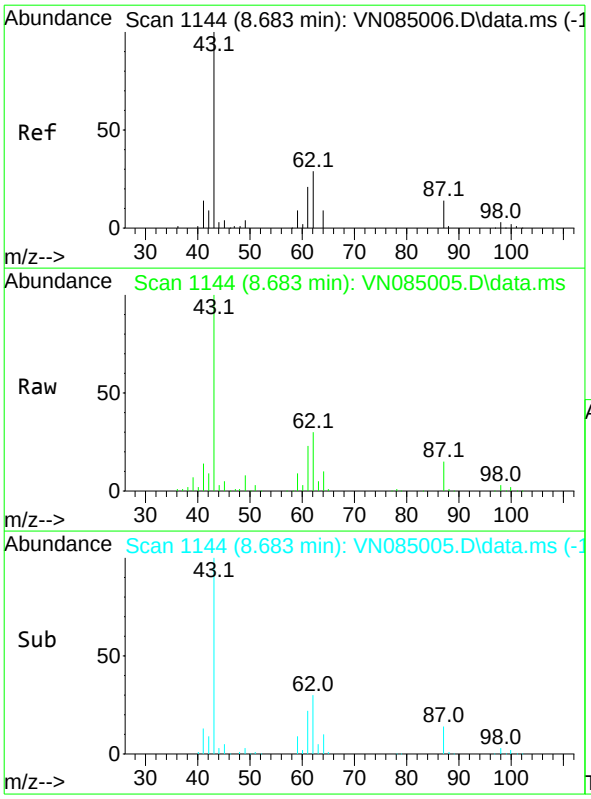


#42
1,2-Dichloroethane
Concen: 103.986 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 62 Resp: 288320

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2

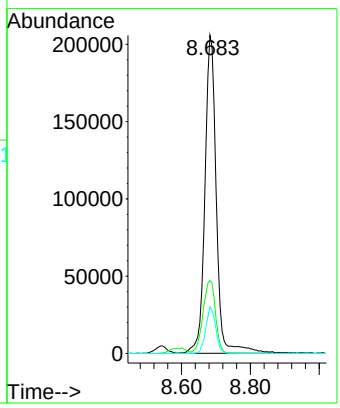




#43
Isopropyl Acetate
Concen: 97.891 ug/l
RT: 8.683 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 473683

Ion	Ratio	Lower	Upper
43	100		
61	24.9	20.6	30.8
87	12.7	11.0	16.4



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ClientSampleId :
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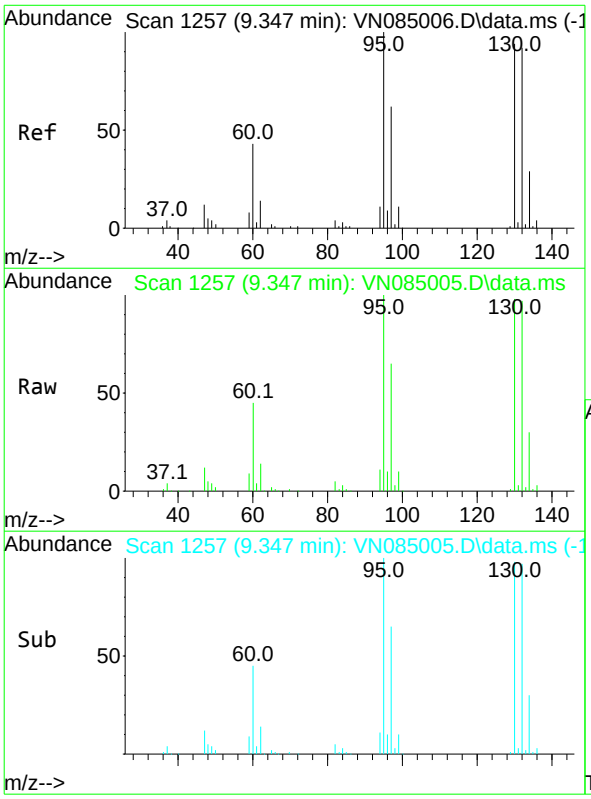
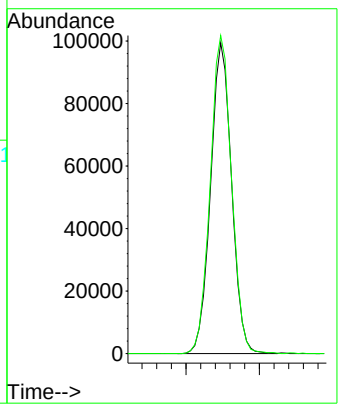
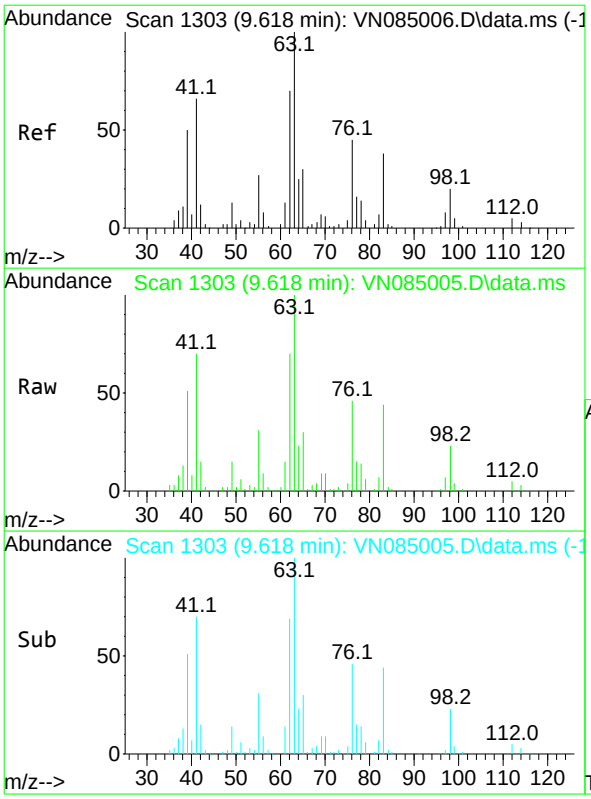


#44
Trichloroethene
Concen: 104.851 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:130 Resp: 197483

Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	213.4

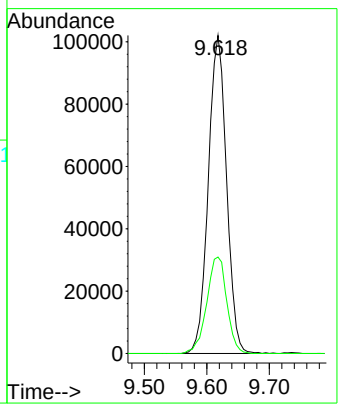




#45
1,2-Dichloropropane
Concen: 103.586 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 63 Resp: 206776

Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.0	36.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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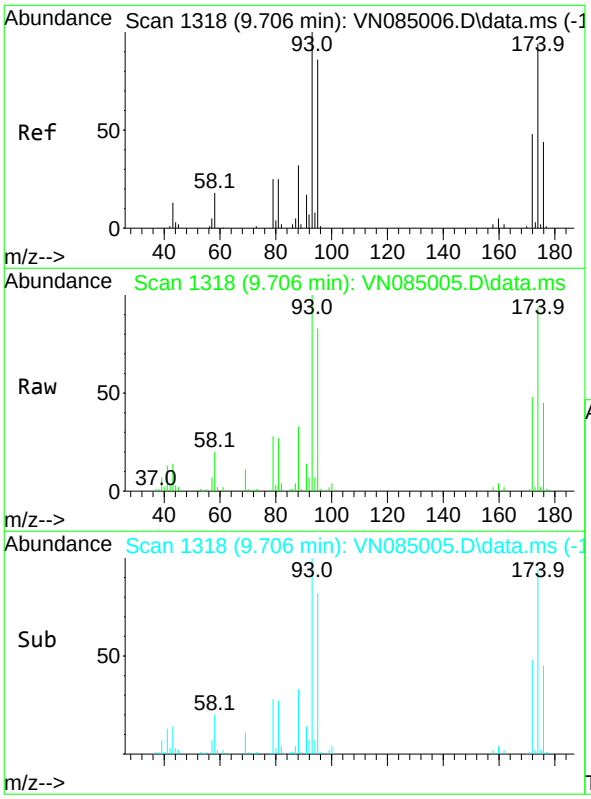
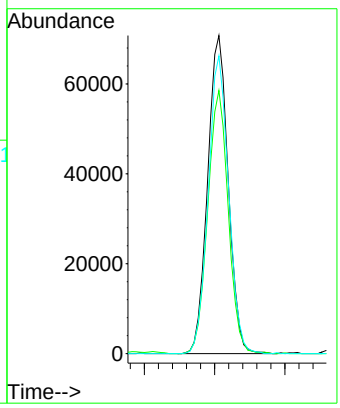
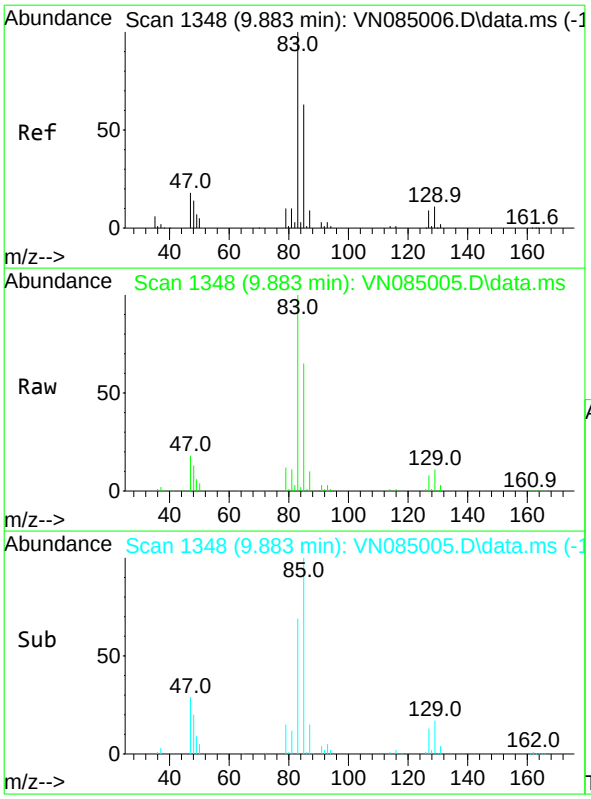


#46
Dibromomethane
Concen: 103.900 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 93 Resp: 144116

Ion	Ratio	Lower	Upper
93	100		
95	82.3	66.2	99.4
174	92.8	74.9	112.3

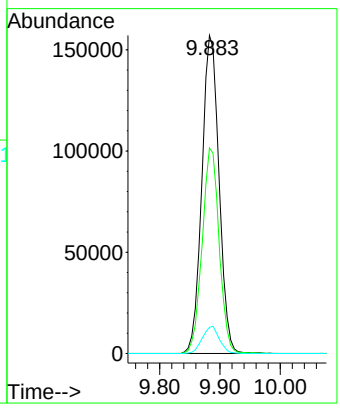




#47
Bromodichloromethane
Concen: 105.641 ug/l
RT: 9.883 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 83 Resp: 310562

Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.5	75.7
127	8.2	7.1	10.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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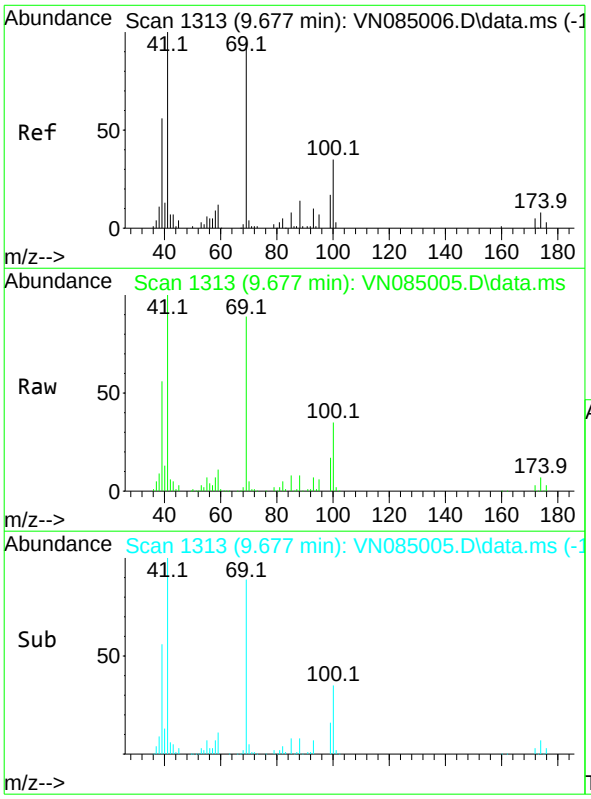
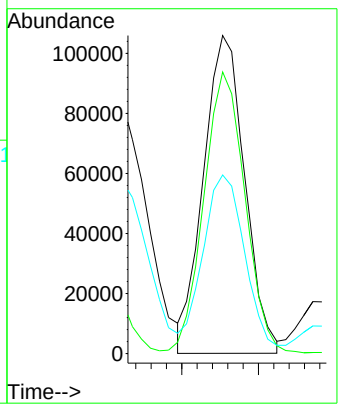
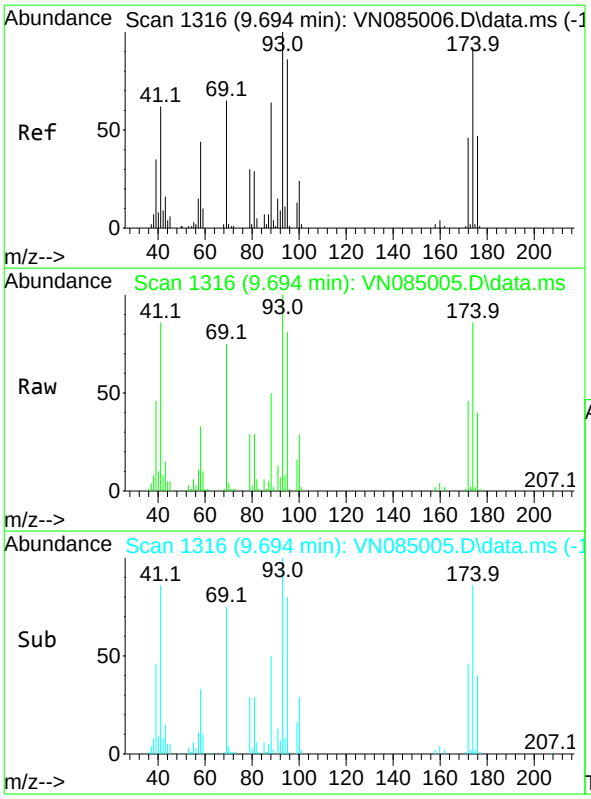


#48
Methyl methacrylate
Concen: 109.847 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 41 Resp: 197798

Ion	Ratio	Lower	Upper
41	100		
69	88.0	73.2	109.8
39	58.1	46.2	69.4

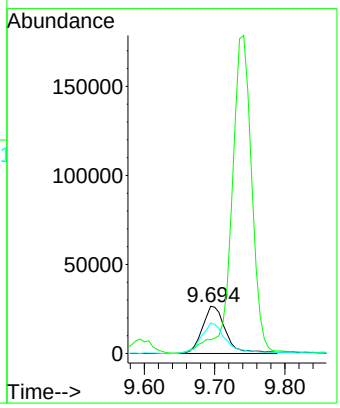




#49
1,4-Dioxane
Concen: 1959.471 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 88 Resp: 61188

Ion	Ratio	Lower	Upper
88	100		
43	0.0	16.7	25.1#
58	69.8	56.5	84.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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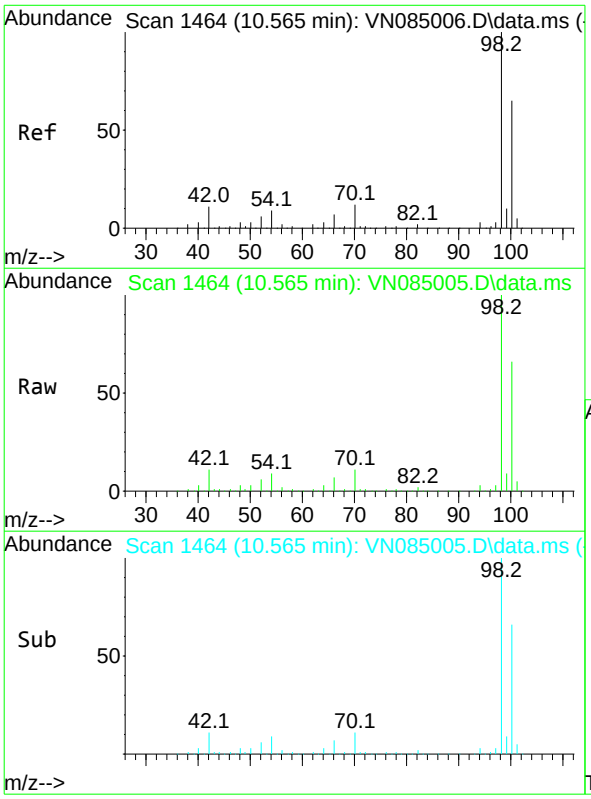
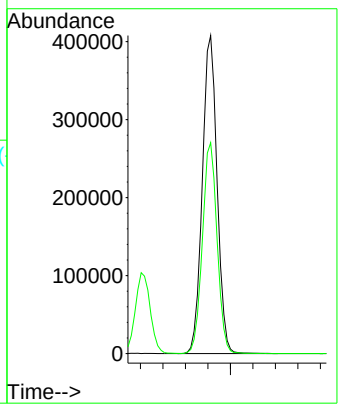
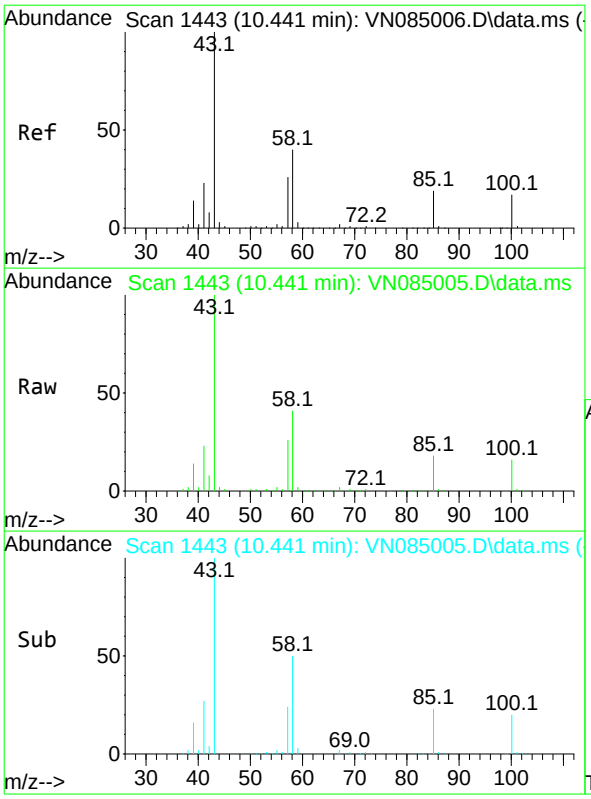


#50
Toluene-d8
Concen: 109.694 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 98 Resp: 743711

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.5	78.7

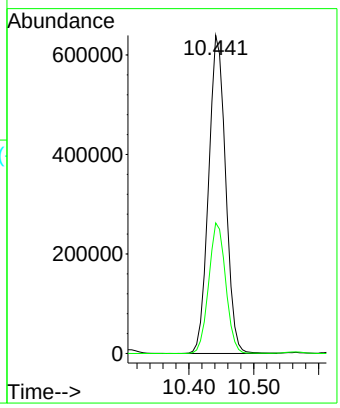




#51
4-Methyl-2-Pentanone
Concen: 525.783 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 1162080

Ion	Ratio	Lower	Upper
43	100		
58	41.0	32.1	48.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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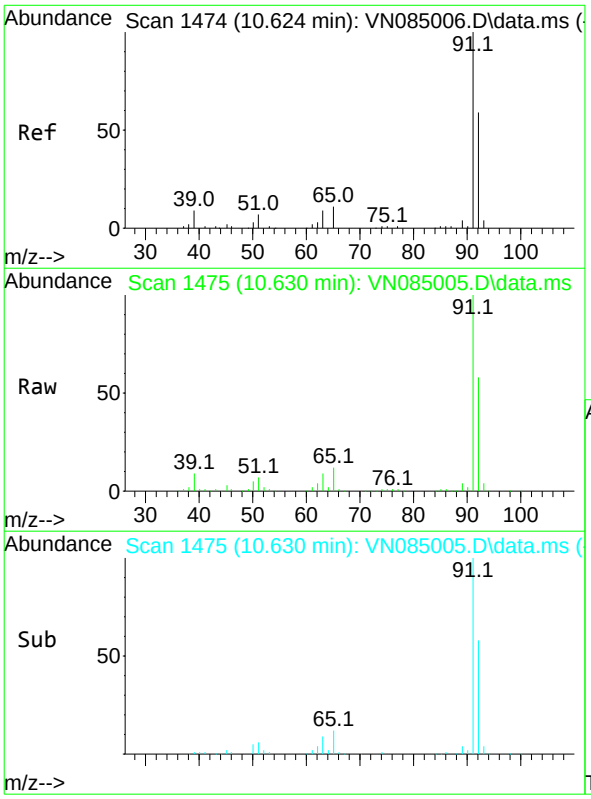
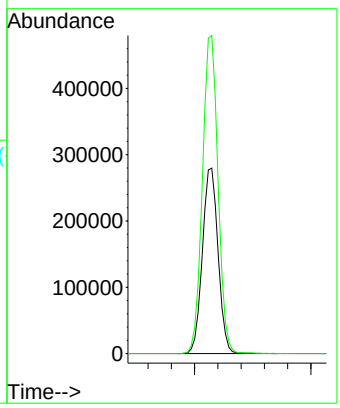
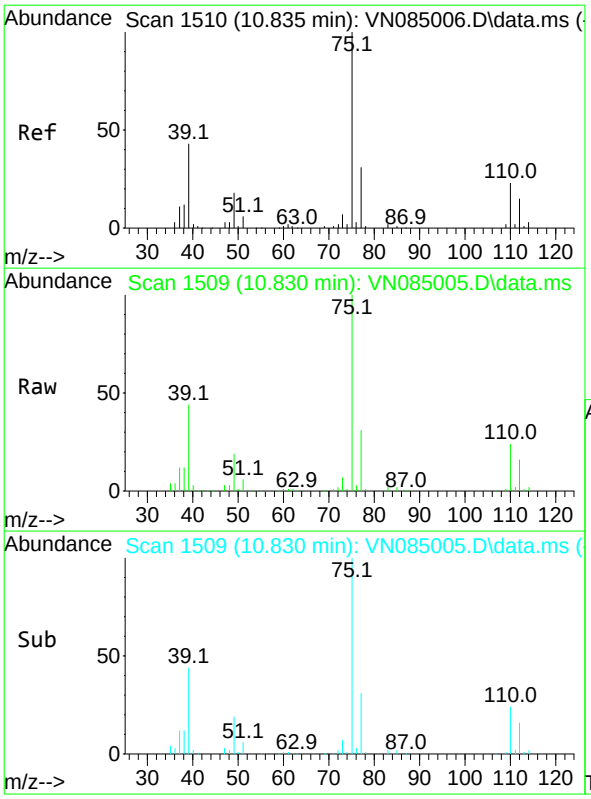


#52
Toluene
Concen: 109.001 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 92 Resp: 522980

Ion	Ratio	Lower	Upper
92	100		
91	170.8	136.7	205.1

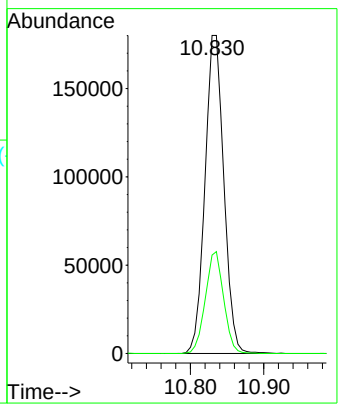




#53
t-1,3-Dichloropropene
Concen: 109.180 ug/l
RT: 10.830 min Scan# 15
Delta R.T. -0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 321790

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.0	37.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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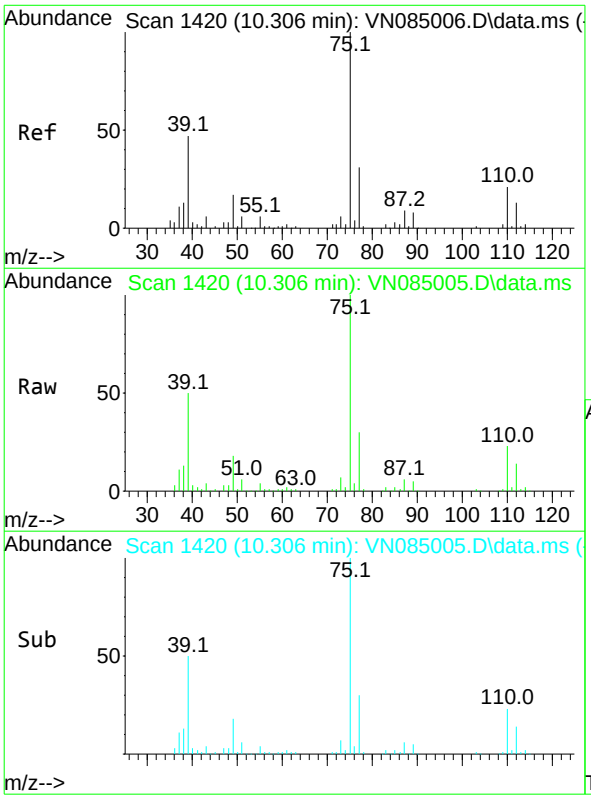
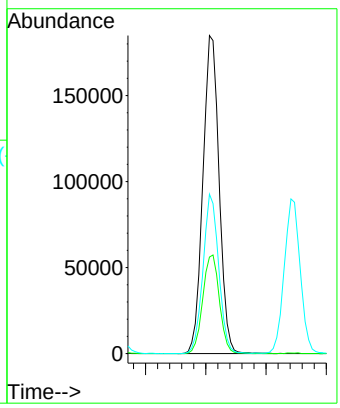
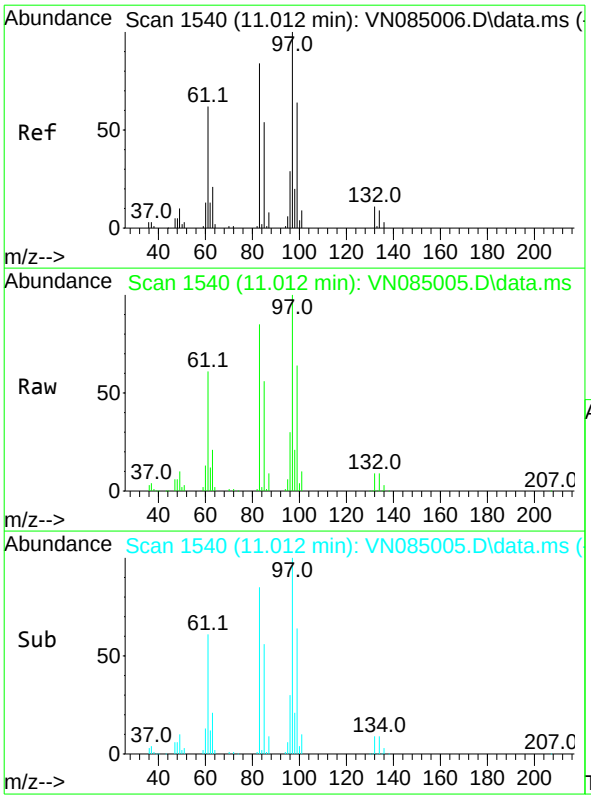


#54
cis-1,3-Dichloropropene
Concen: 110.678 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 346064

Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.0	37.4
39	50.1	37.6	56.4

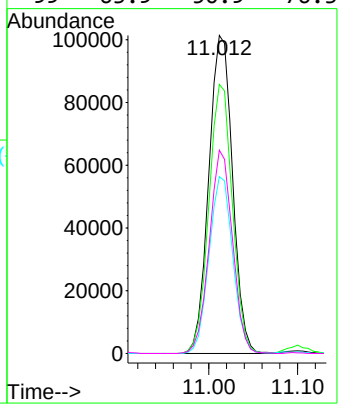




#55
1,1,2-Trichloroethane
Concen: 105.602 ug/l
RT: 11.012 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 97 Resp: 188724

Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.4	101.2
85	55.6	43.1	64.7
99	63.9	50.9	76.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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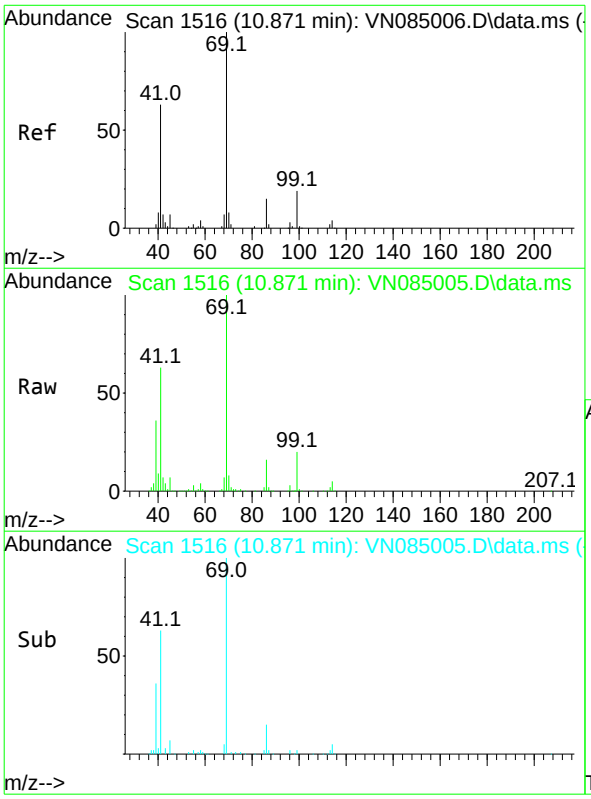
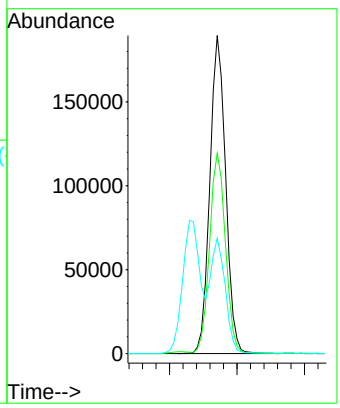
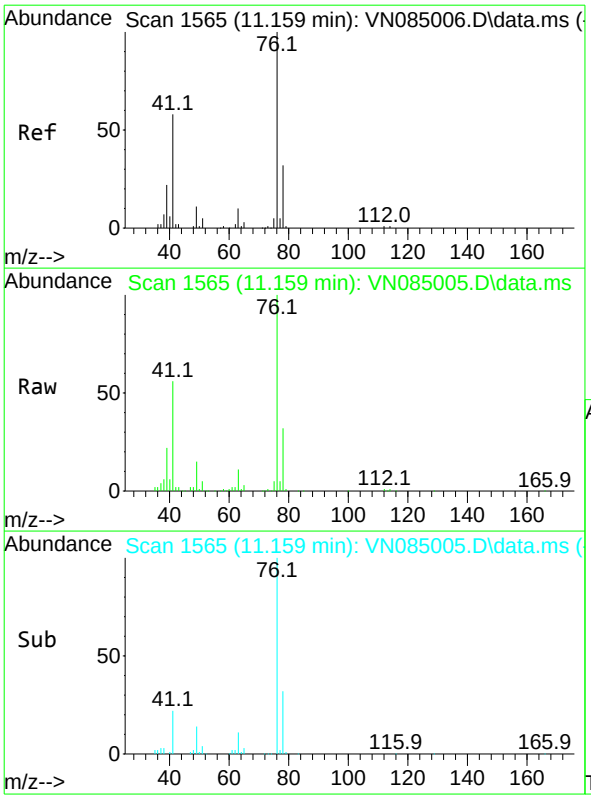


#56
Ethyl methacrylate
Concen: 117.883 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 69 Resp: 307844

Ion	Ratio	Lower	Upper
69	100		
41	63.9	50.0	75.0
39	34.3	27.0	40.6

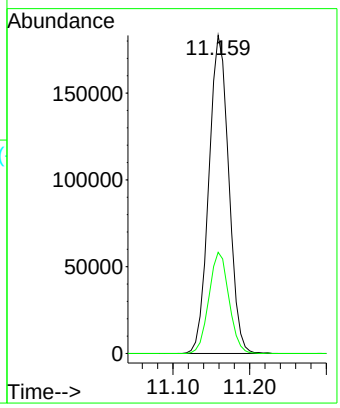




#57
1,3-Dichloropropane
Concen: 104.887 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 76 Resp: 329902

Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.1	39.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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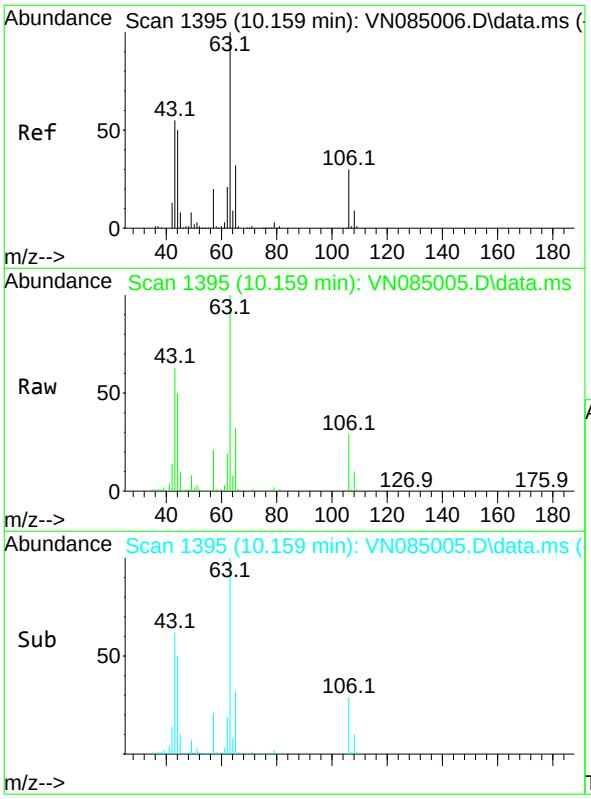
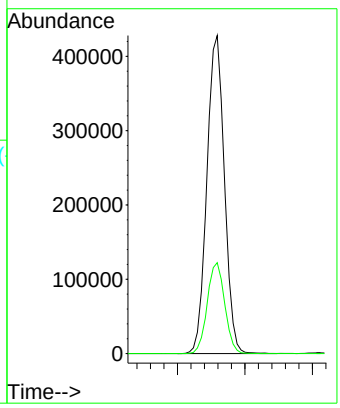
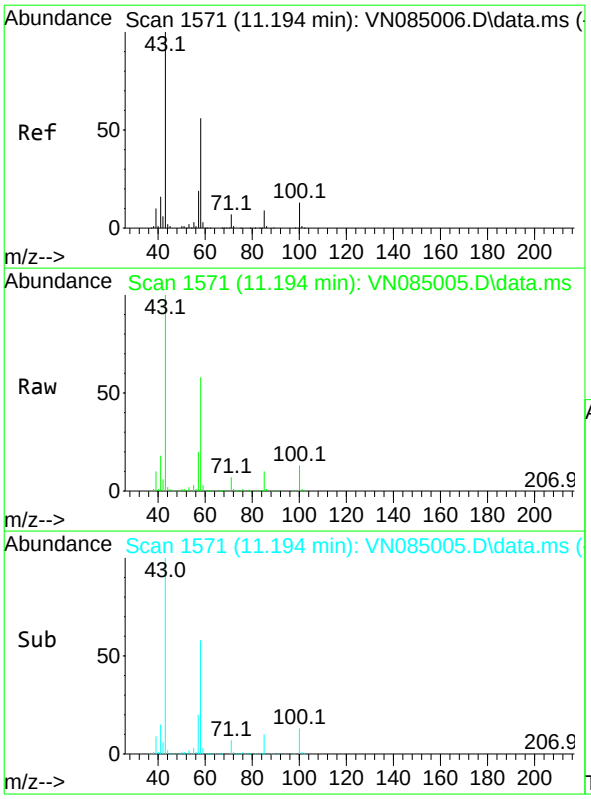


#58
2-Chloroethyl Vinyl ether
Concen: 602.530 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 63 Resp: 771827

Ion	Ratio	Lower	Upper
63	100		
106	28.4	23.0	34.6

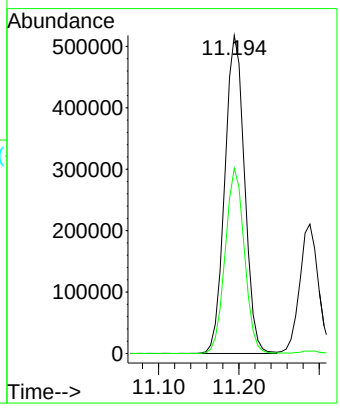




#59
2-Hexanone
Concen: 535.314 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 884879

Ion	Ratio	Lower	Upper
43	100		
58	56.7	28.3	85.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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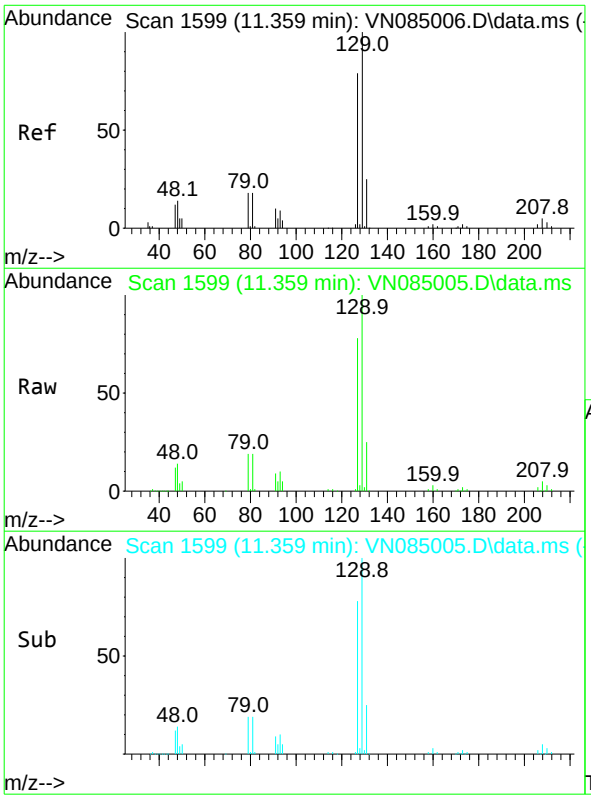
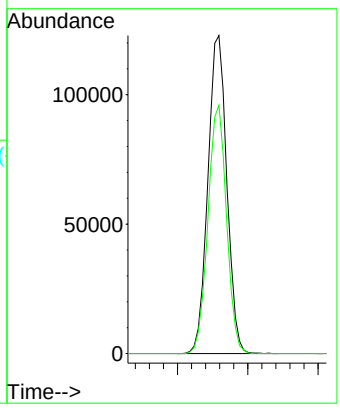
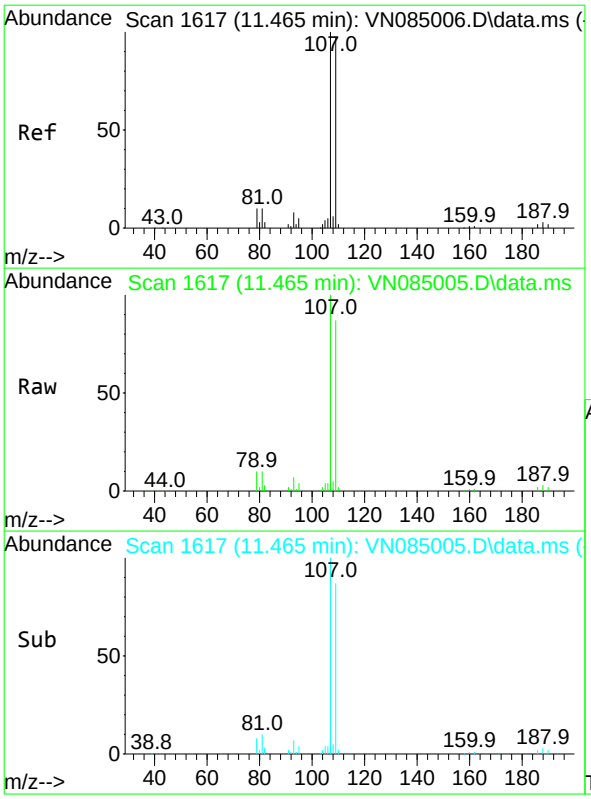


#60
Dibromochloromethane
Concen: 105.249 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:129 Resp: 229875

Ion	Ratio	Lower	Upper
129	100		
127	76.6	39.2	117.6

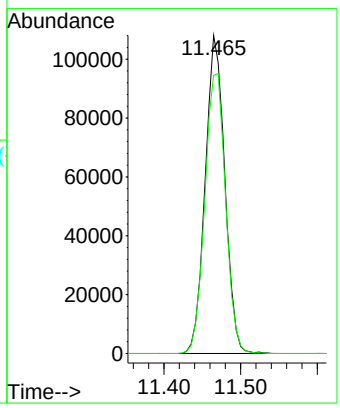




#61
1,2-Dibromoethane
Concen: 103.624 ug/l
RT: 11.465 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:107 Resp: 191654

Ion	Ratio	Lower	Upper
107	100		
109	93.6	76.1	114.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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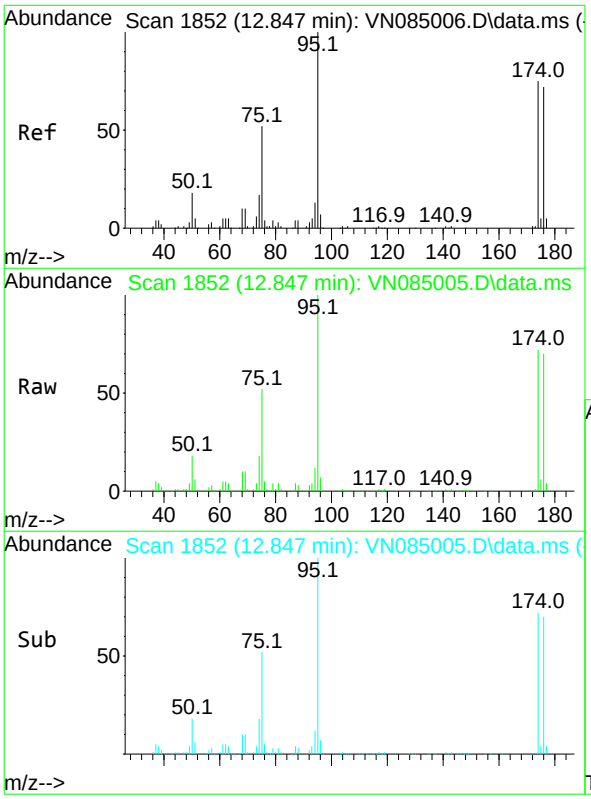
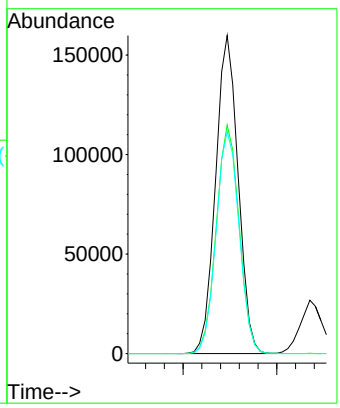
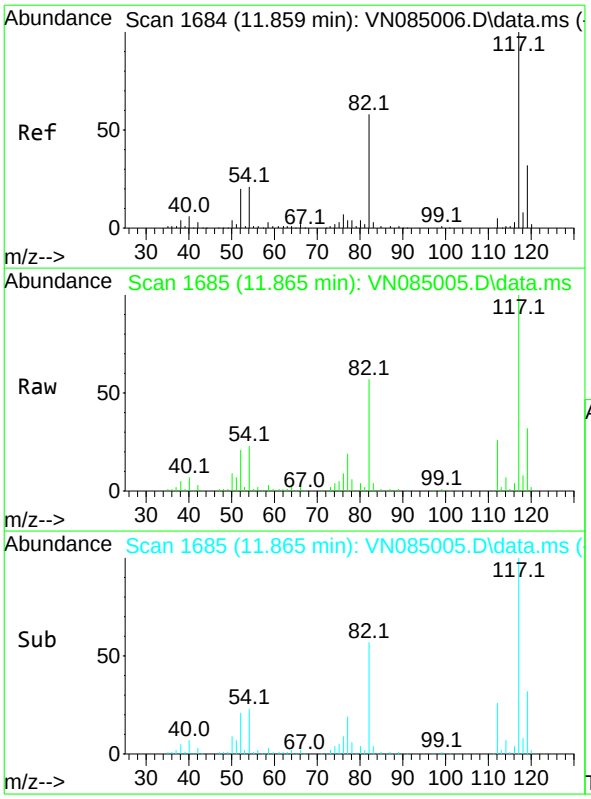


#62
4-Bromofluorobenzene
Concen: 105.236 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 95 Resp: 266822

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	146.6
176	71.2	0.0	141.8

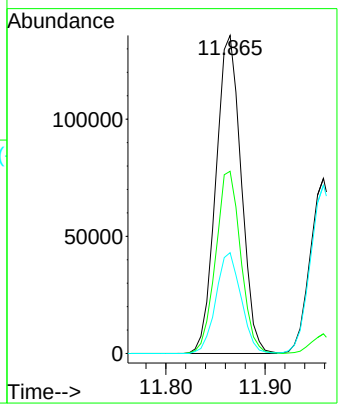




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:117 Resp: 240979

Ion	Ratio	Lower	Upper
117	100		
82	57.3	46.0	69.0
119	31.7	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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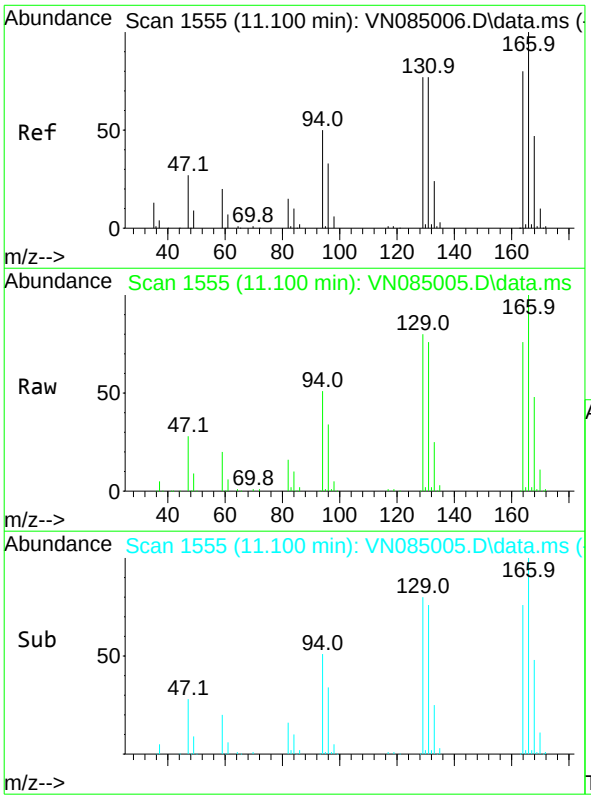
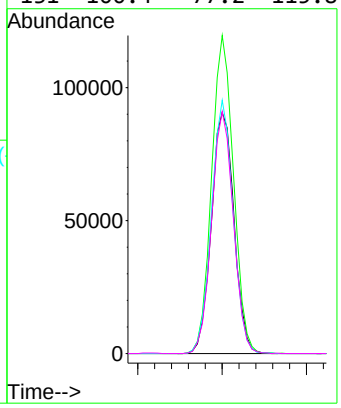
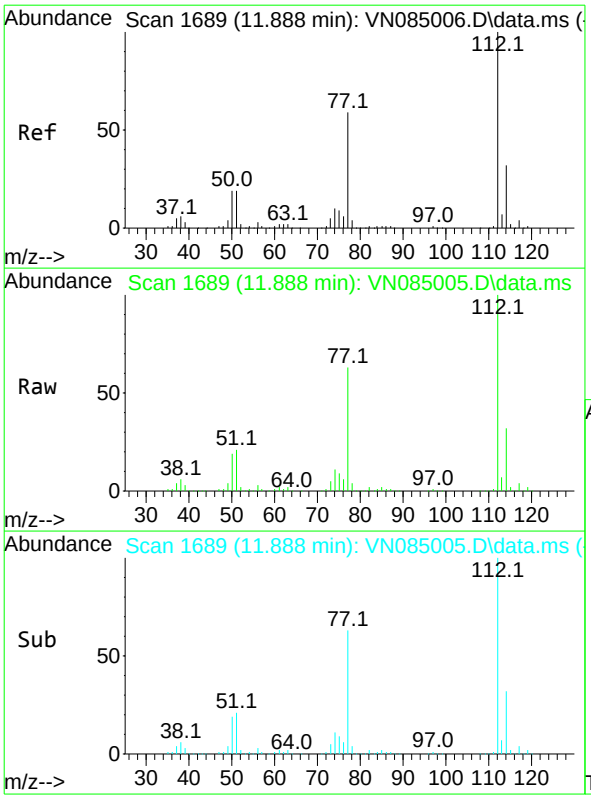


#64
Tetrachloroethene
Concen: 104.032 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:164 Resp: 168926

Ion	Ratio	Lower	Upper
164	100		
166	131.9	100.6	151.0
129	105.1	77.7	116.5
131	100.4	77.2	115.8

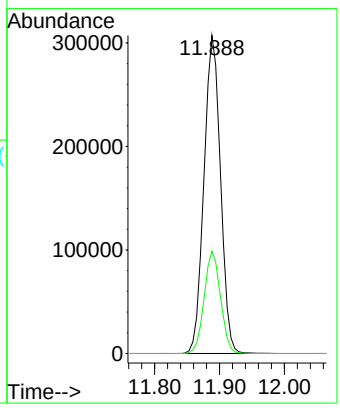




#65
Chlorobenzene
Concen: 99.452 ug/l
RT: 11.888 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:112 Resp: 543518

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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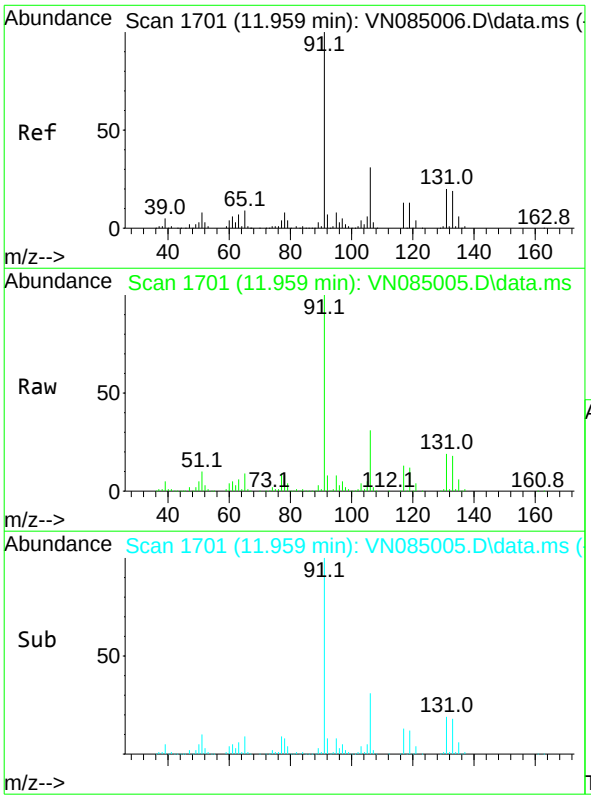
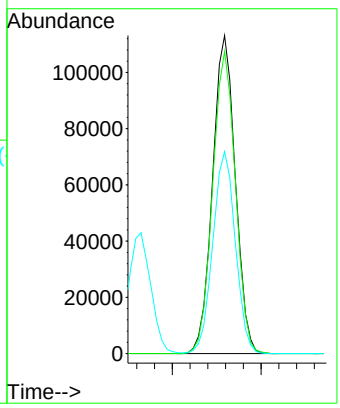
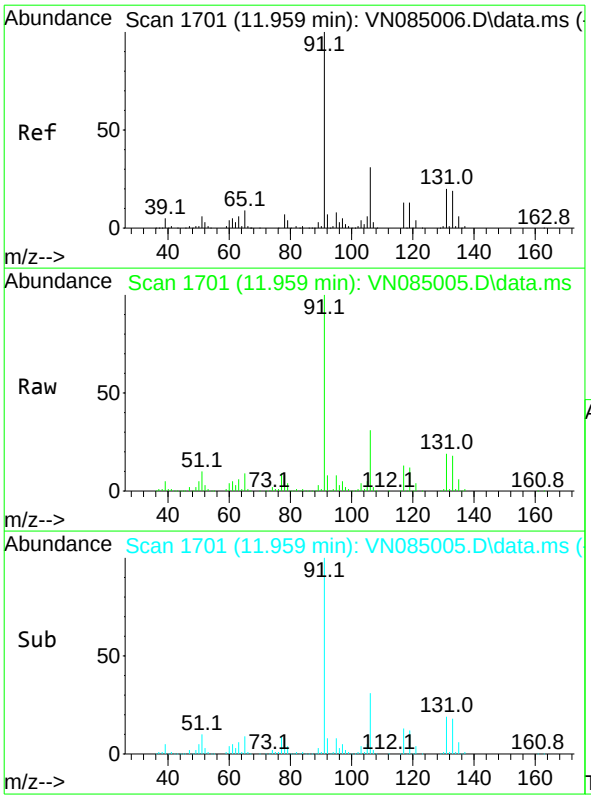


#66
1,1,1,2-Tetrachloroethane
Concen: 104.459 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:131 Resp: 201000

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.8	143.4
119	63.0	32.1	96.3

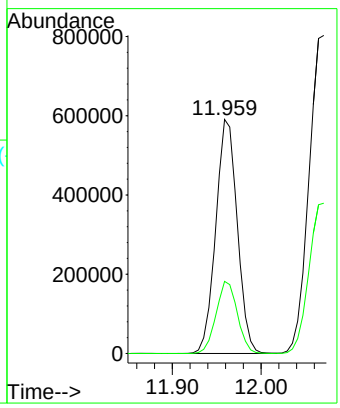




#67
Ethyl Benzene
Concen: 112.113 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 91 Resp: 994049

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.7	37.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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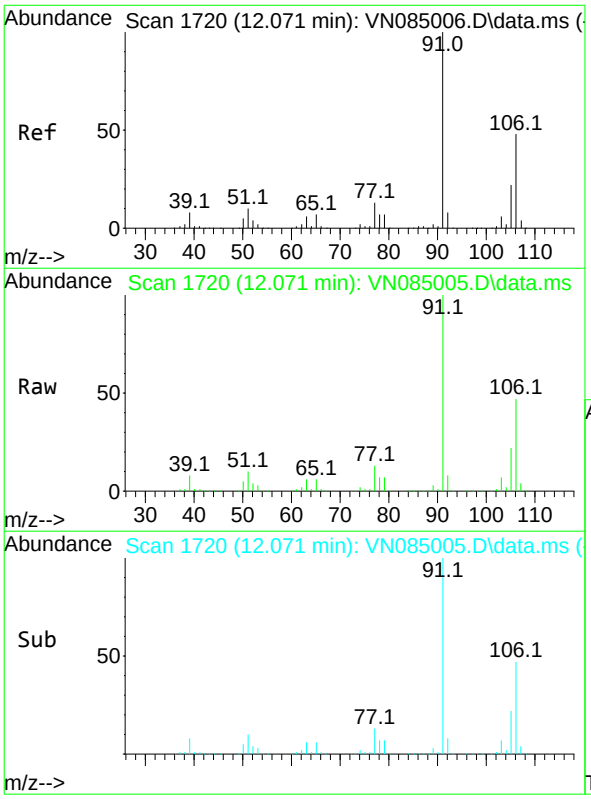
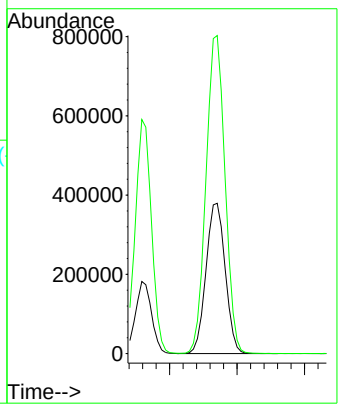
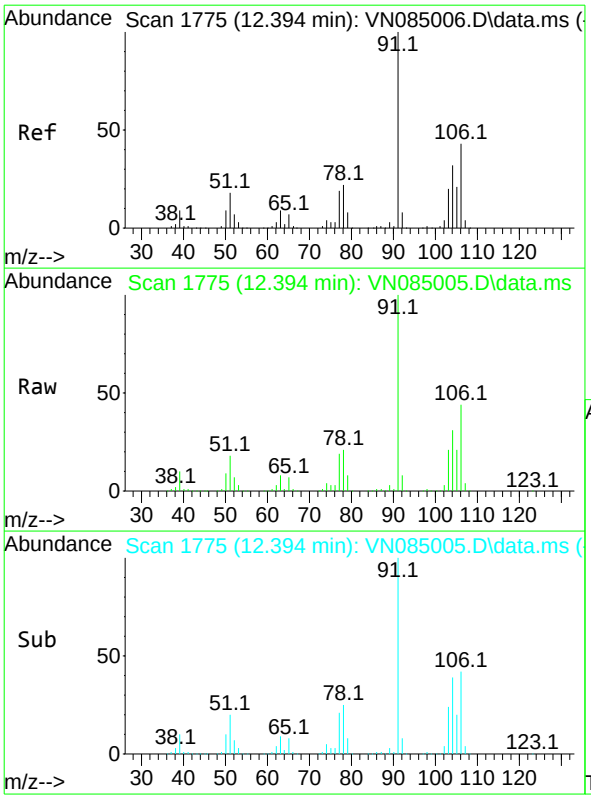


#68
m/p-Xylenes
Concen: 222.116 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:106 Resp: 749782

Ion	Ratio	Lower	Upper
106	100		
91	209.5	168.0	252.0





#69
o-Xylene
Concen: 110.070 ug/l
RT: 12.394 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:106 Resp: 353441

Ion	Ratio	Lower	Upper
106	100		
91	223.7	110.7	331.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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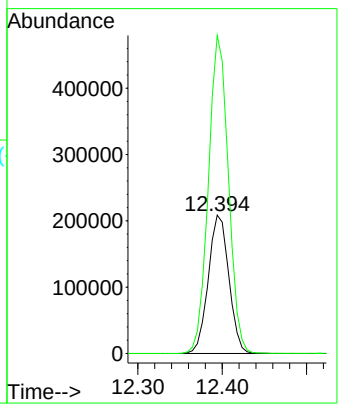
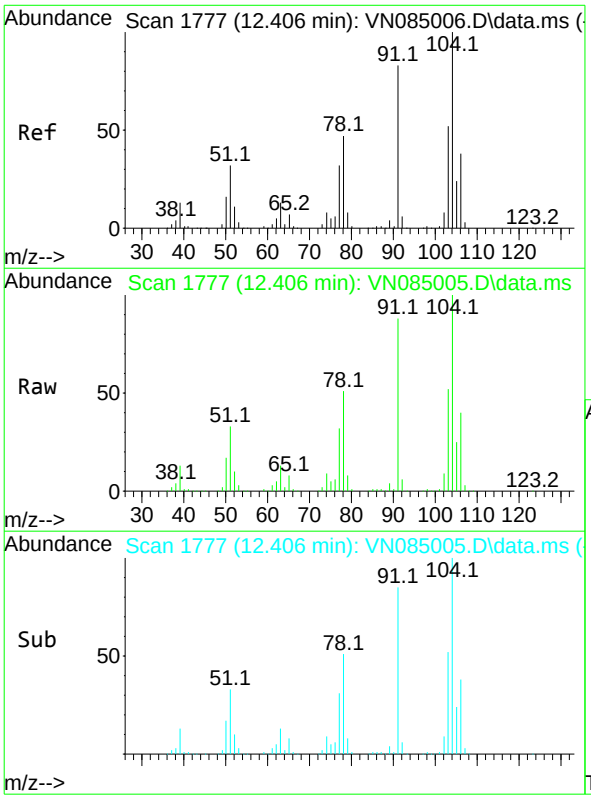
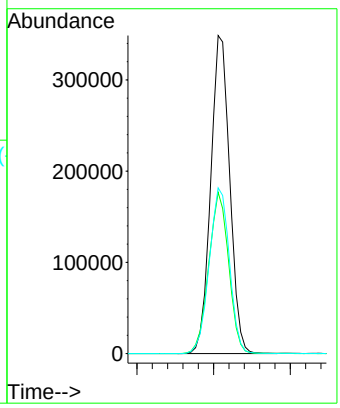


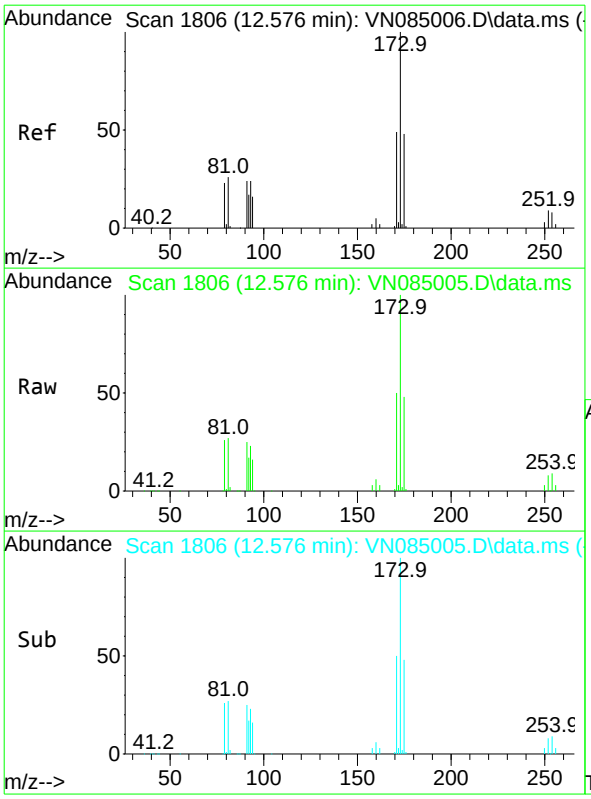


#70
Styrene
Concen: 112.600 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:104 Resp: 601271

Ion	Ratio	Lower	Upper
104	100		
78	53.0	42.3	63.5
103	55.2	44.2	66.2

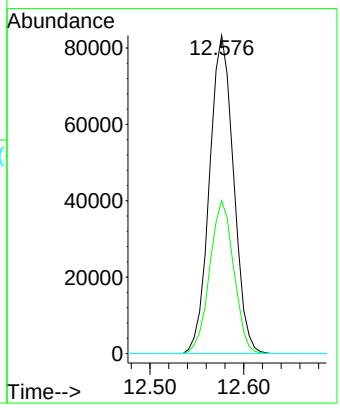




#71
Bromoform
Concen: 104.234 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:173 Resp: 148879

Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.8	71.2
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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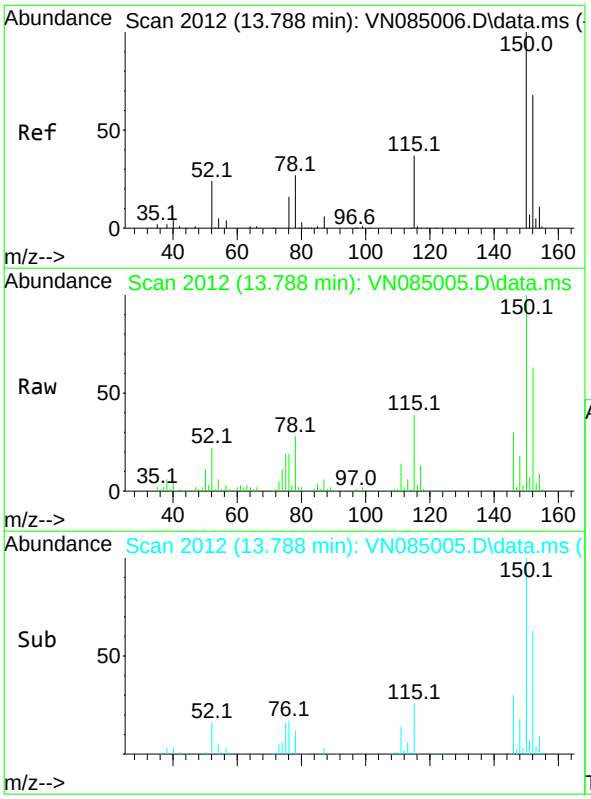
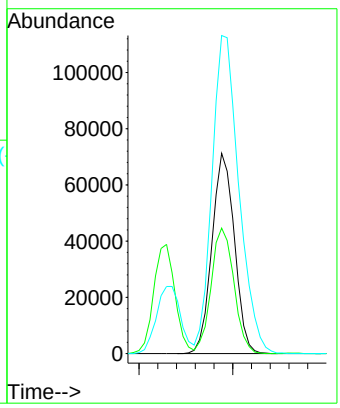
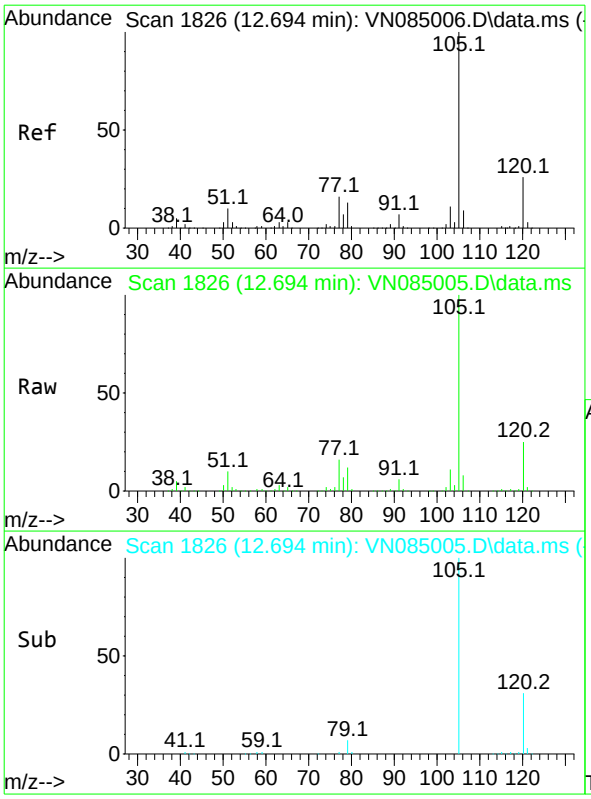


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:152 Resp: 118591

Ion	Ratio	Lower	Upper
152	100		
115	63.4	31.7	95.1
150	189.7	0.0	351.4

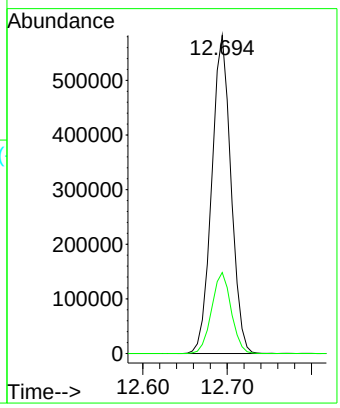




#73
Isopropylbenzene
Concen: 110.216 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:105 Resp: 922085

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.0	39.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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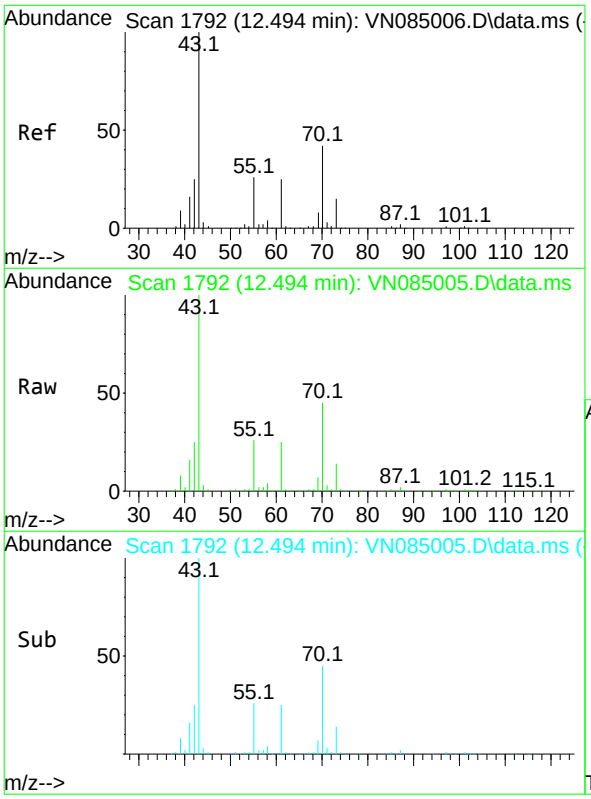
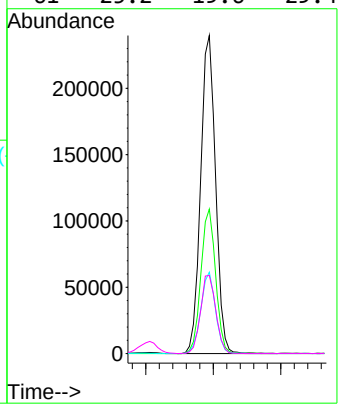
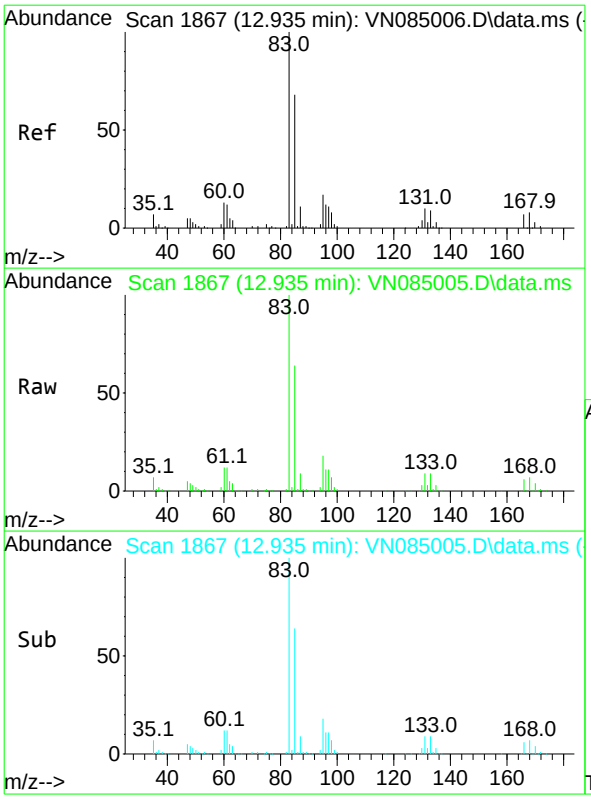


#74
N-amyl acetate
Concen: 106.820 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 368260

Ion	Ratio	Lower	Upper
43	100		
70	44.7	34.6	51.8
55	25.2	20.5	30.7
61	25.2	19.6	29.4





#75
1,1,2,2-Tetrachloroethane
Concen: 89.359 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 83 Resp: 255286

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.1	15.4
85	64.9	32.1	96.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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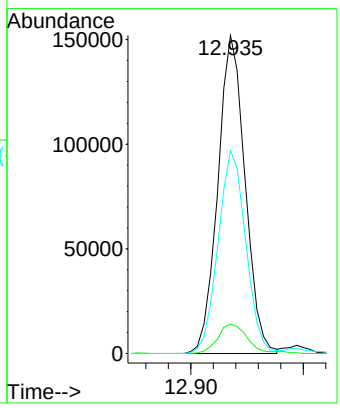
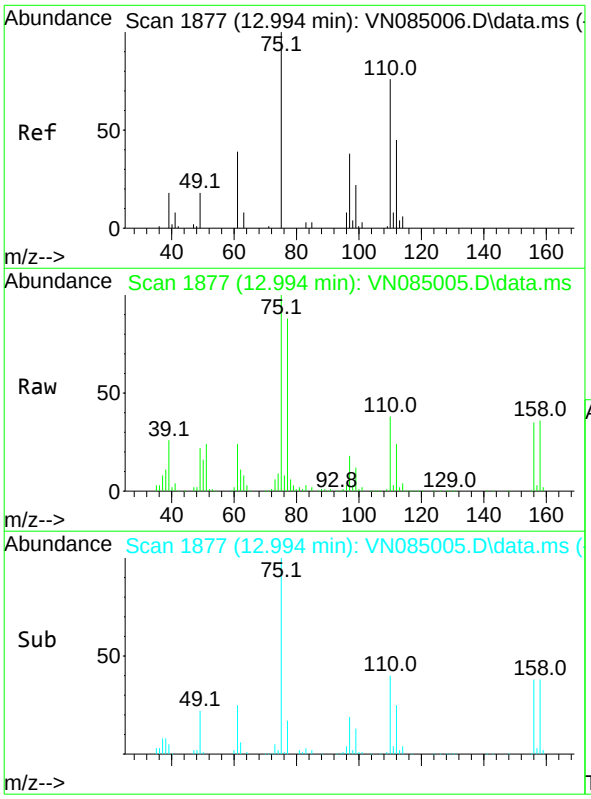
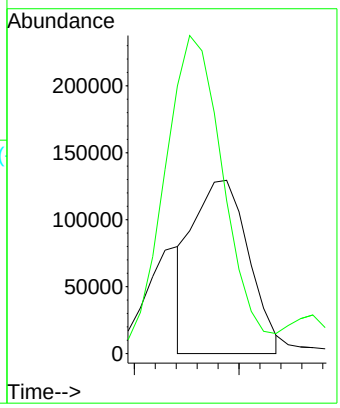


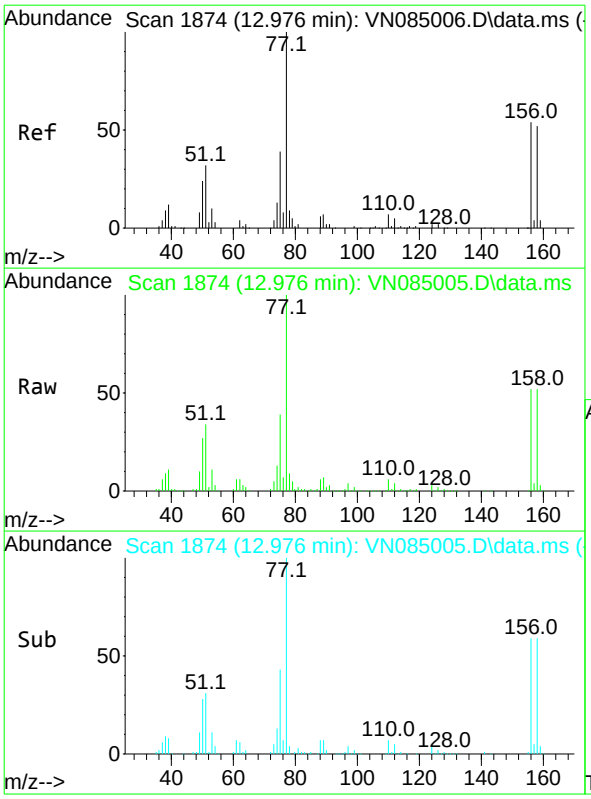


#76
1,2,3-Trichloropropane
Concen: 107.901 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 239373

Ion	Ratio	Lower	Upper
75	100		
77	197.4	109.1	327.4

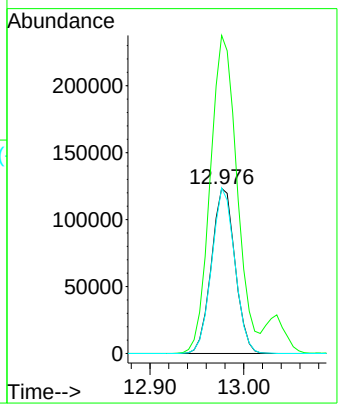




#77
Bromobenzene
Concen: 95.881 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:156 Resp: 215866

Ion	Ratio	Lower	Upper
156	100		
77	218.8	107.2	321.6
158	98.1	48.5	145.6



Instrument :
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ClientSampleId :
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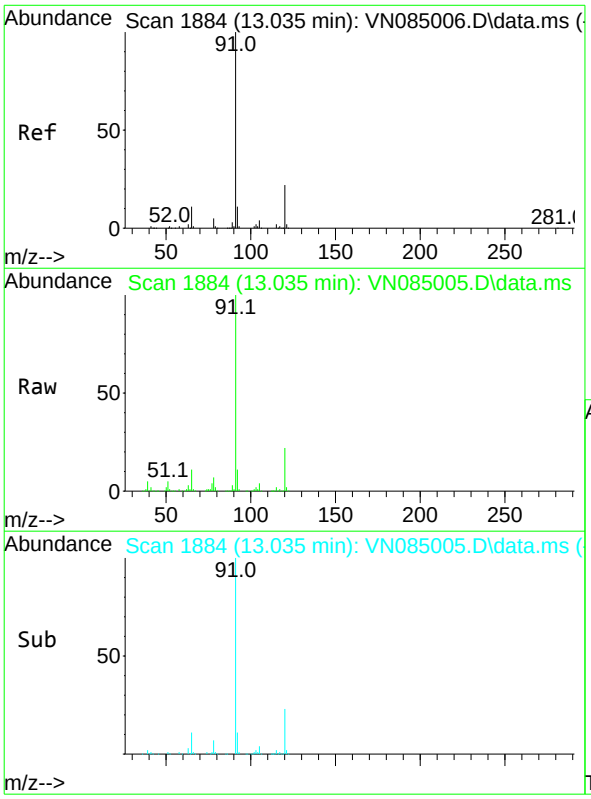
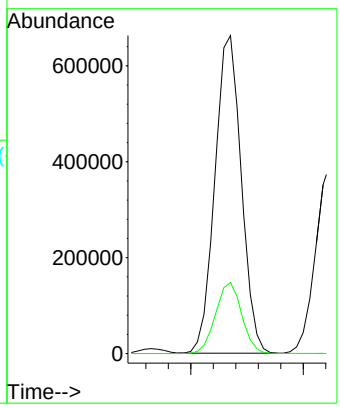
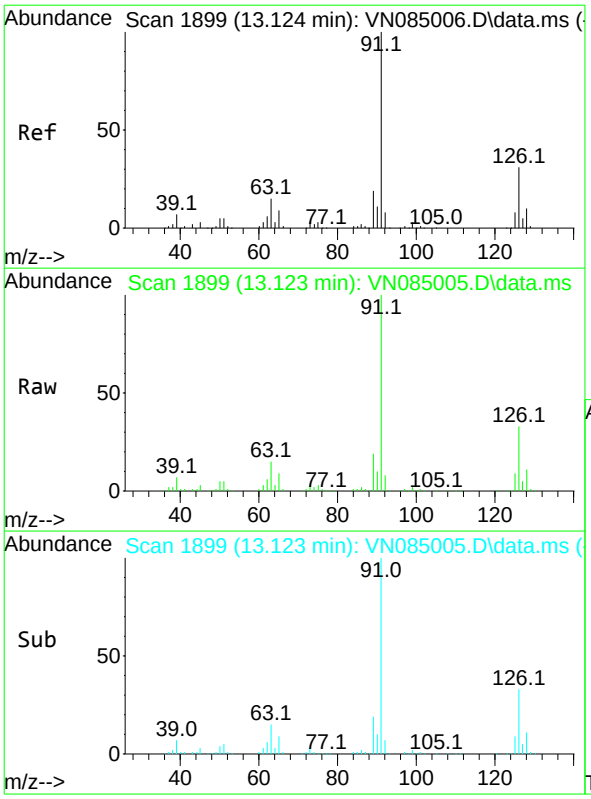


#78
n-propylbenzene
Concen: 111.753 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 91 Resp: 1078373

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.3	33.9

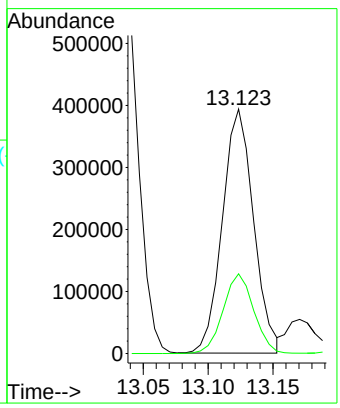




#79
2-Chlorotoluene
Concen: 102.230 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 91 Resp: 658525

Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.1	48.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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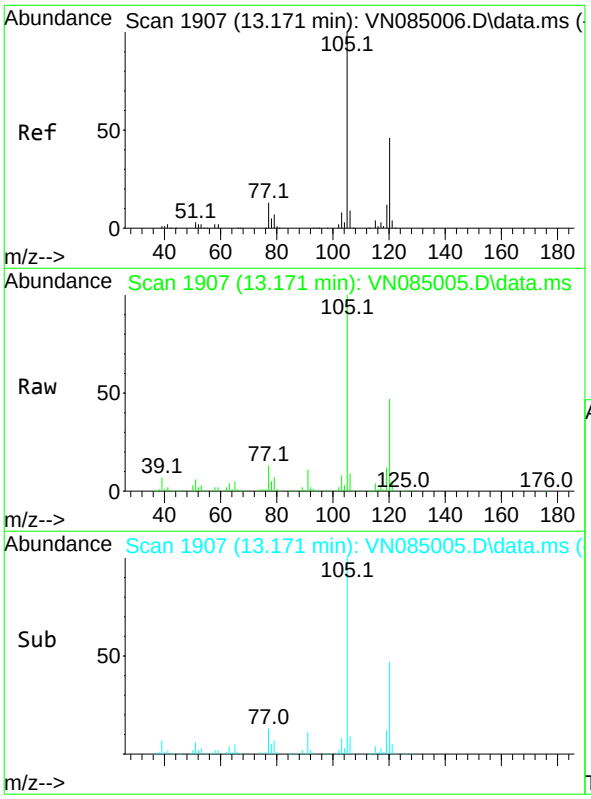
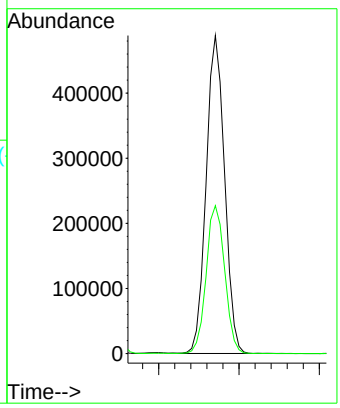
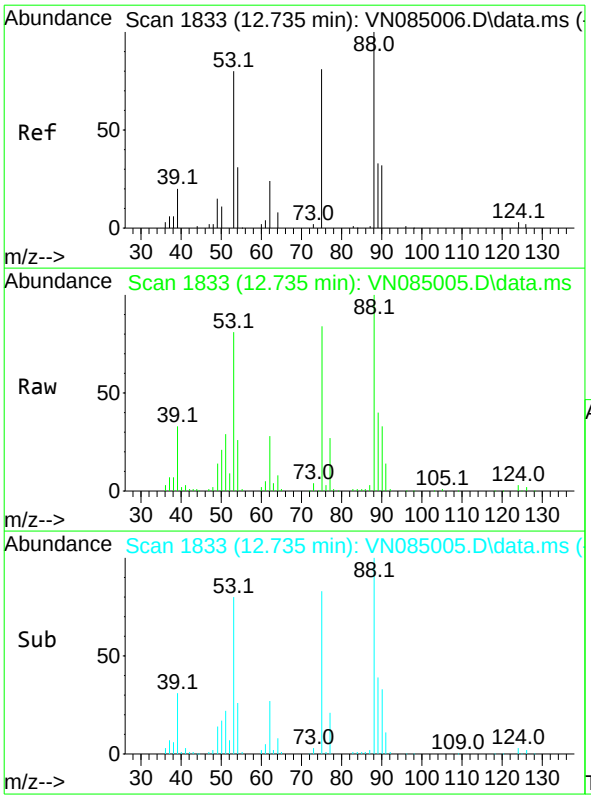


#80
1,3,5-Trimethylbenzene
Concen: 110.573 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:105 Resp: 776252

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.6	71.0

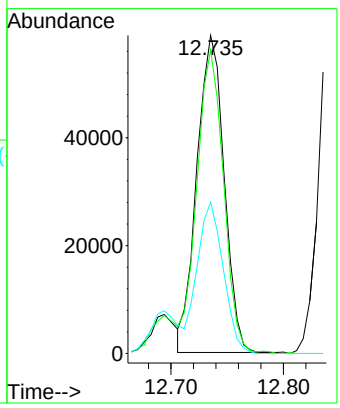




#81
trans-1,4-Dichloro-2-butene
Concen: 104.513 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 99218

Ion	Ratio	Lower	Upper
75	100		
53	93.8	78.2	117.4
89	45.5	37.9	56.9



Instrument :
MSVOA_N
ClientSampleId :
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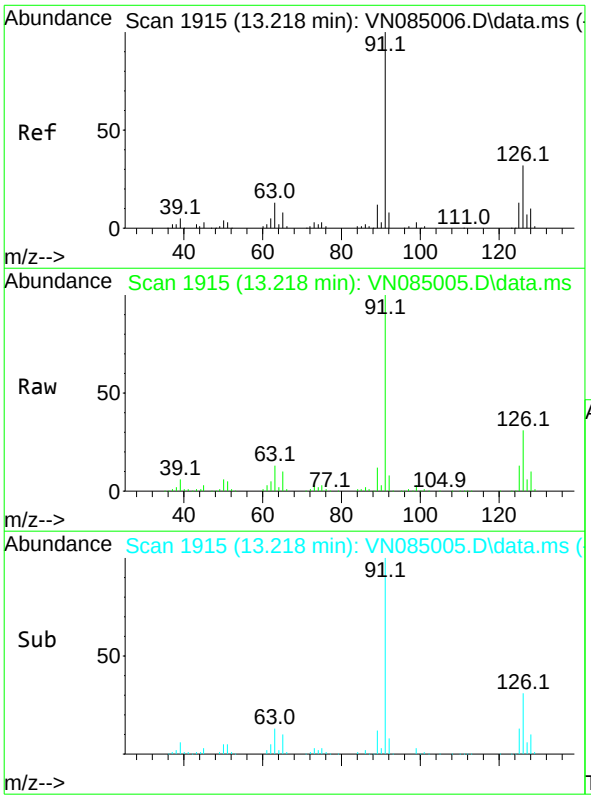
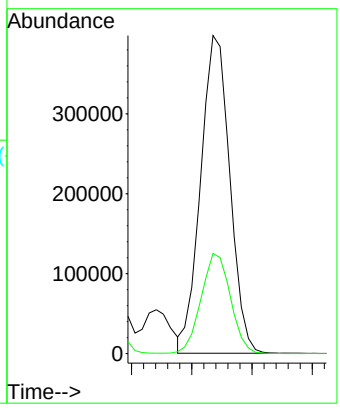
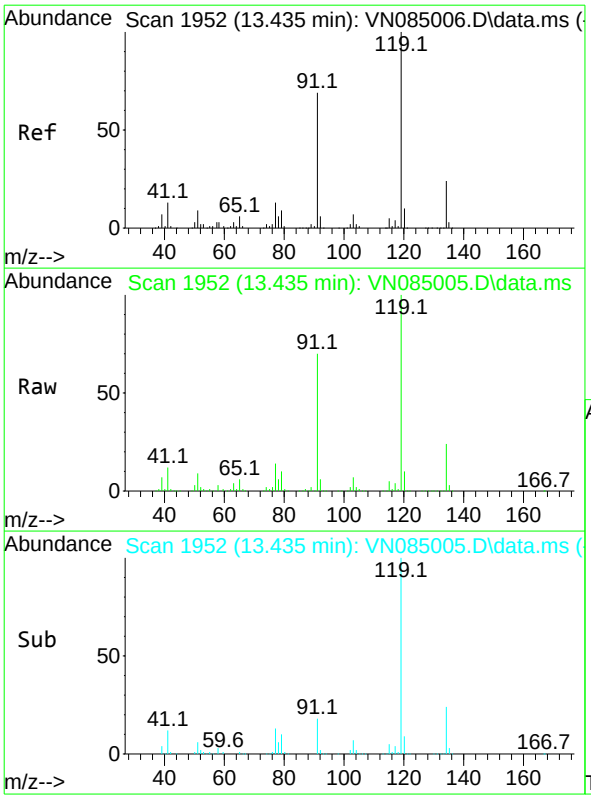


#82
4-Chlorotoluene
Concen: 99.811 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 91 Resp: 669311

Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.1	48.3





#83
tert-Butylbenzene
Concen: 107.009 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:119 Resp: 646369

Ion	Ratio	Lower	Upper
119	100		
91	70.8	35.1	105.5
134	27.1	12.1	36.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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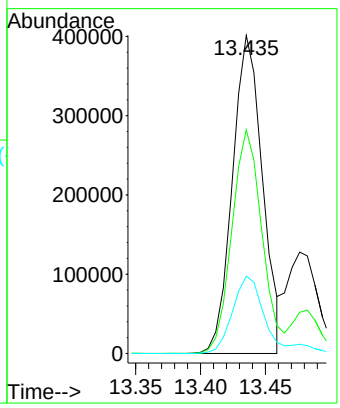
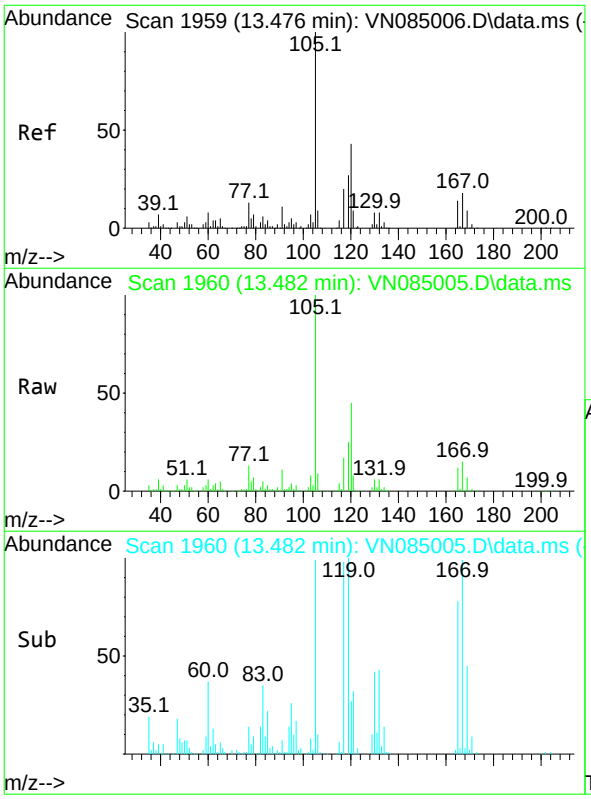
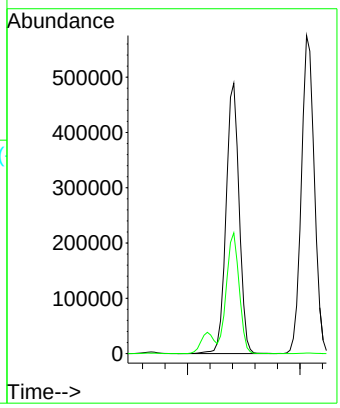


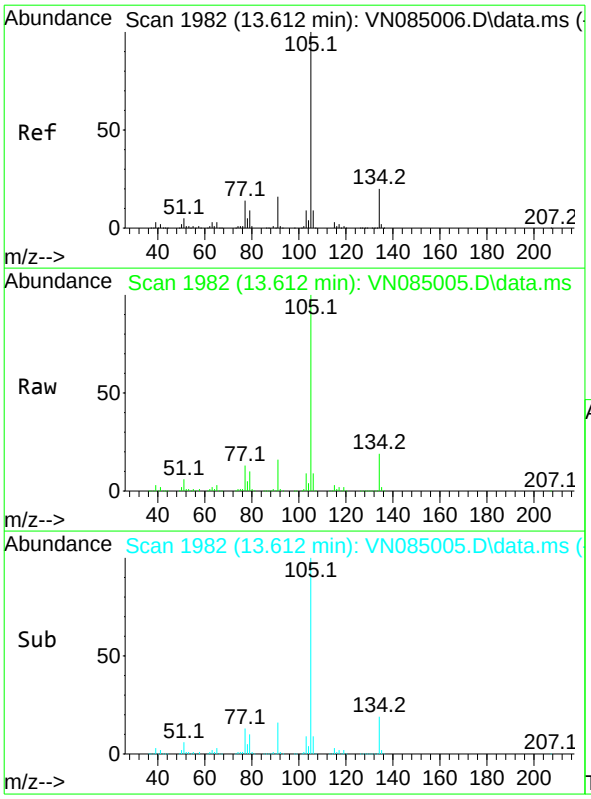


#84
1,2,4-Trimethylbenzene
Concen: 109.040 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:105 Resp: 787962

Ion	Ratio	Lower	Upper
105	100		
120	43.7	21.8	65.4

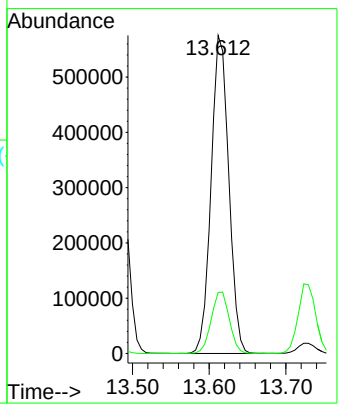




#85
sec-Butylbenzene
Concen: 112.777 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:105 Resp: 920223

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.3



Instrument :
MSVOA_N
ClientSampleId :
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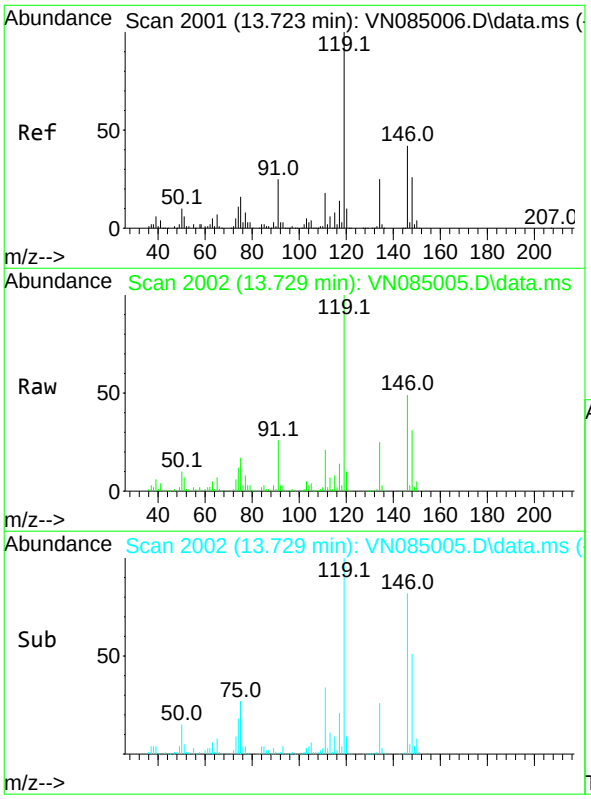
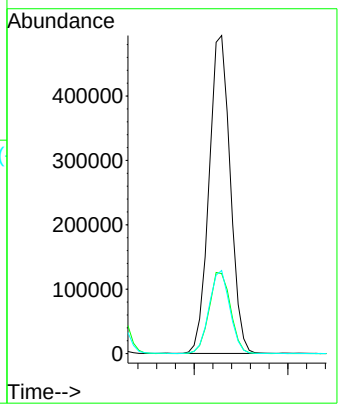
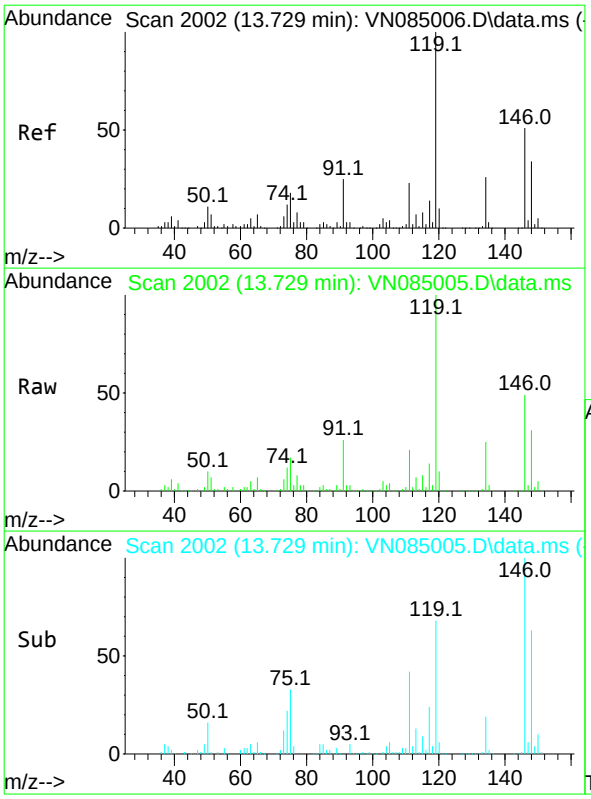


#86
p-Isopropyltoluene
Concen: 115.104 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:119 Resp: 775322

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	39.0
91	25.6	12.8	38.4

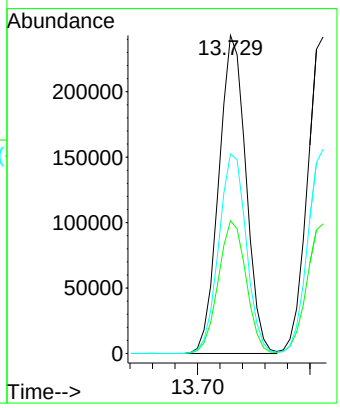




#87
1,3-Dichlorobenzene
Concen: 91.842 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:146 Resp: 407844

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.6	65.0
148	63.7	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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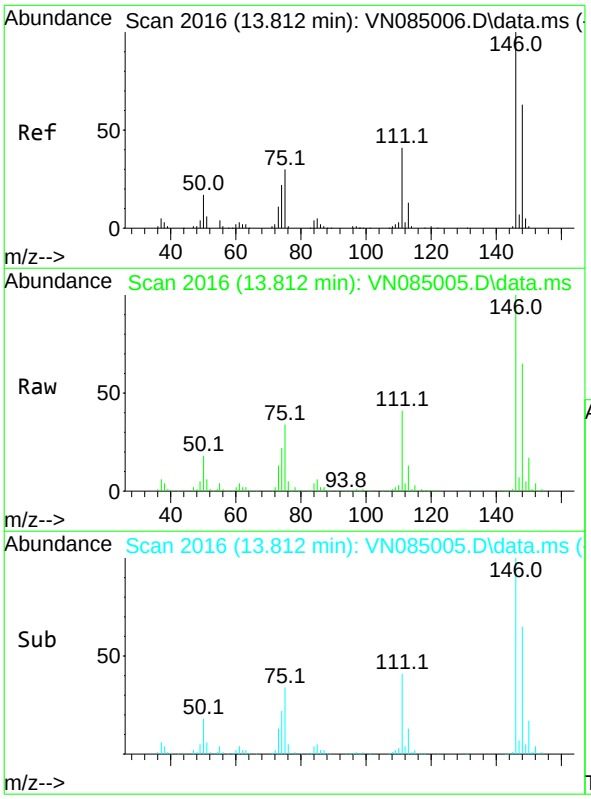
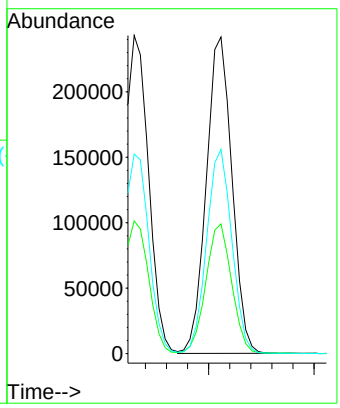
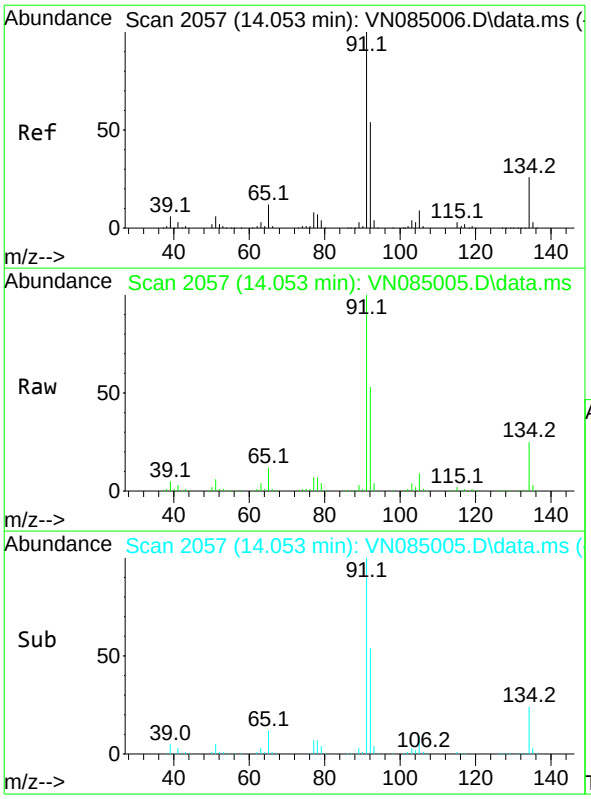


#88
1,4-Dichlorobenzene
Concen: 90.361 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:146 Resp: 409489

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.9	62.8
148	63.6	31.3	93.9

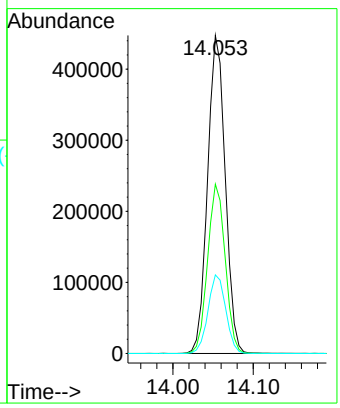




#89
n-Butylbenzene
Concen: 109.120 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 91 Resp: 683538

Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.8	80.3
134	24.9	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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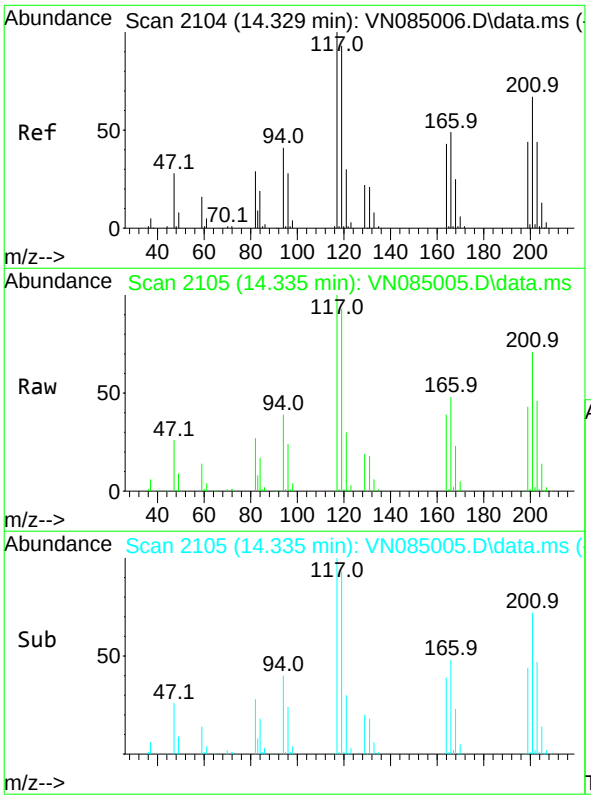
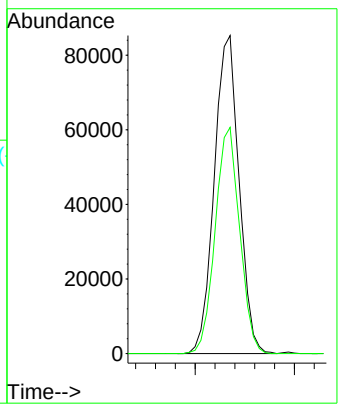
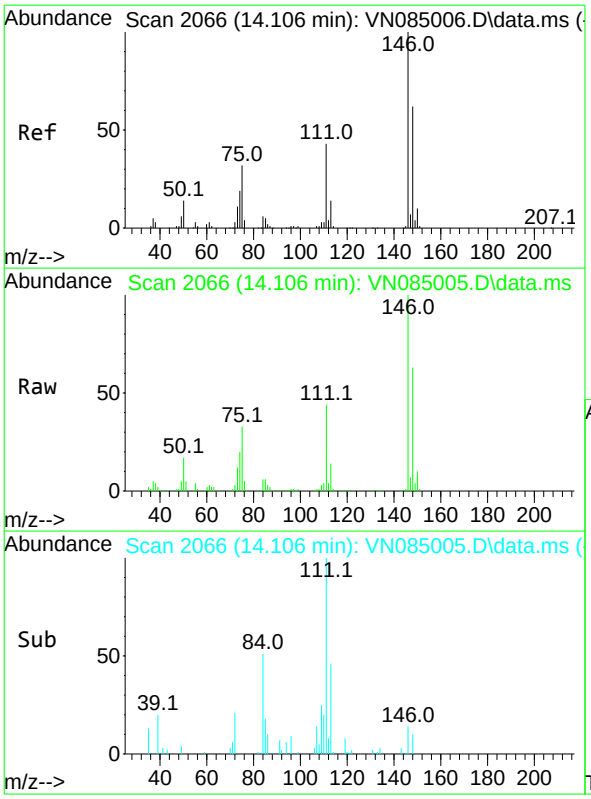


#90
Hexachloroethane
Concen: 100.783 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:117 Resp: 147973

Ion	Ratio	Lower	Upper
117	100		
201	70.1	35.2	105.6

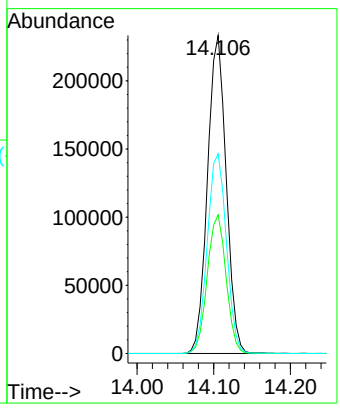




#91
1,2-Dichlorobenzene
Concen: 92.796 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:146 Resp: 394872

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.9	65.8
148	64.3	31.1	93.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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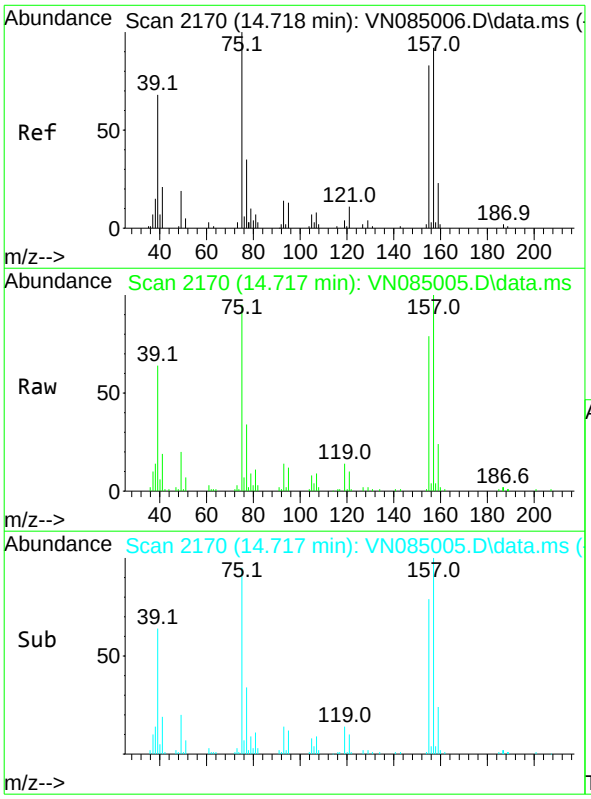
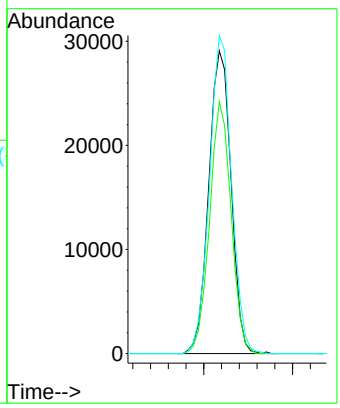
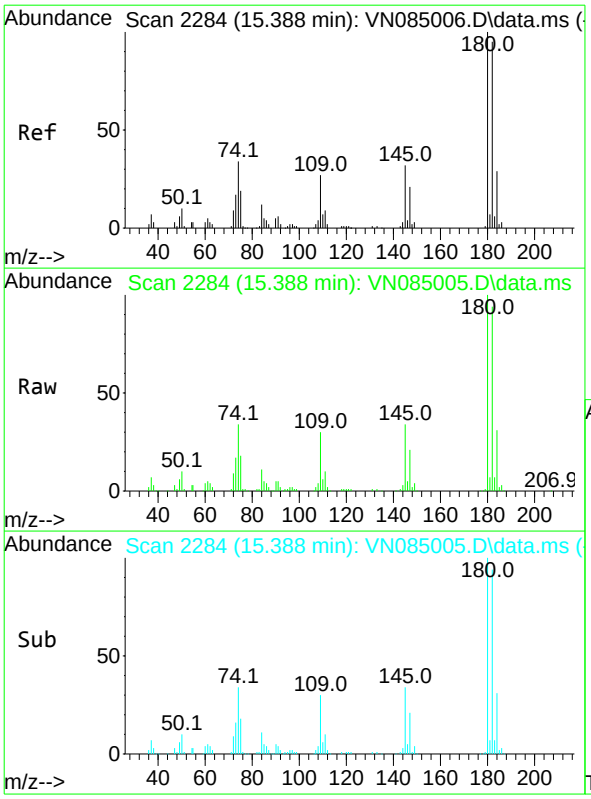


#92
1,2-Dibromo-3-Chloropropane
Concen: 92.071 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 50863

Ion	Ratio	Lower	Upper
75	100		
155	79.9	38.9	116.7
157	104.3	48.3	144.9

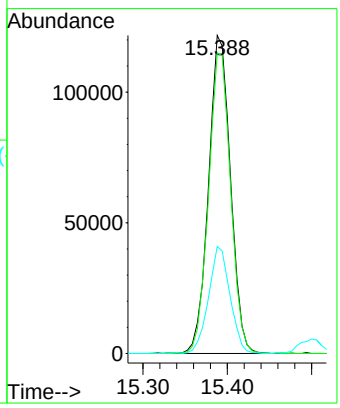




#93
1,2,4-Trichlorobenzene
Concen: 95.107 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:180 Resp: 219866

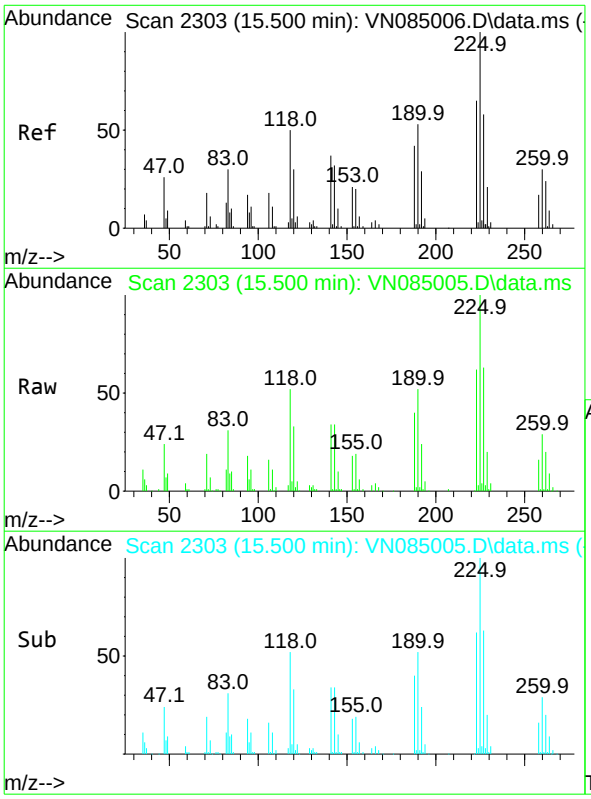
Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.9	140.8
145	33.0	16.3	48.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

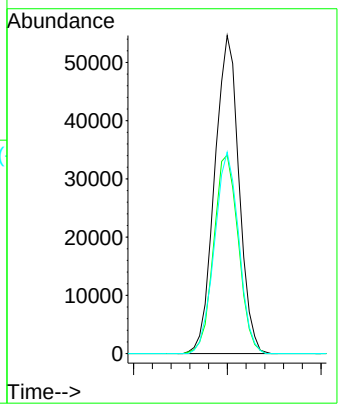
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

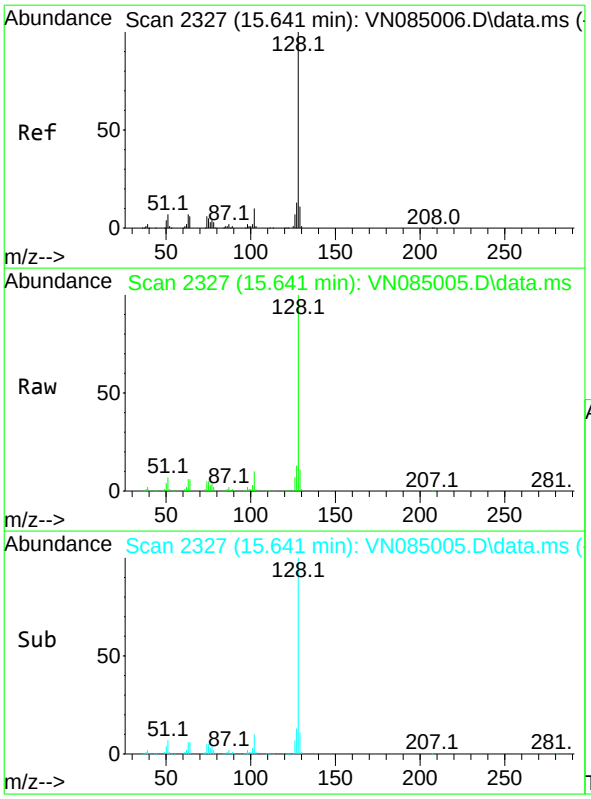


#94
Hexachlorobutadiene
Concen: 92.405 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:225 Resp: 98588

Ion	Ratio	Lower	Upper
225	100		
223	63.1	30.9	92.8
227	63.2	31.5	94.5

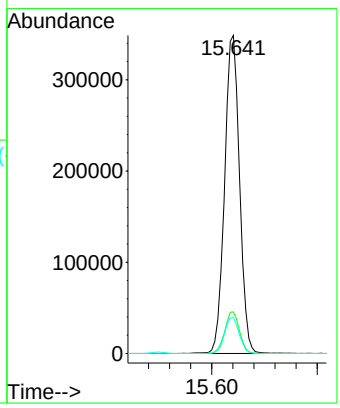




#95
Naphthalene
Concen: 104.183 ug/l
RT: 15.641 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:128 Resp: 685964

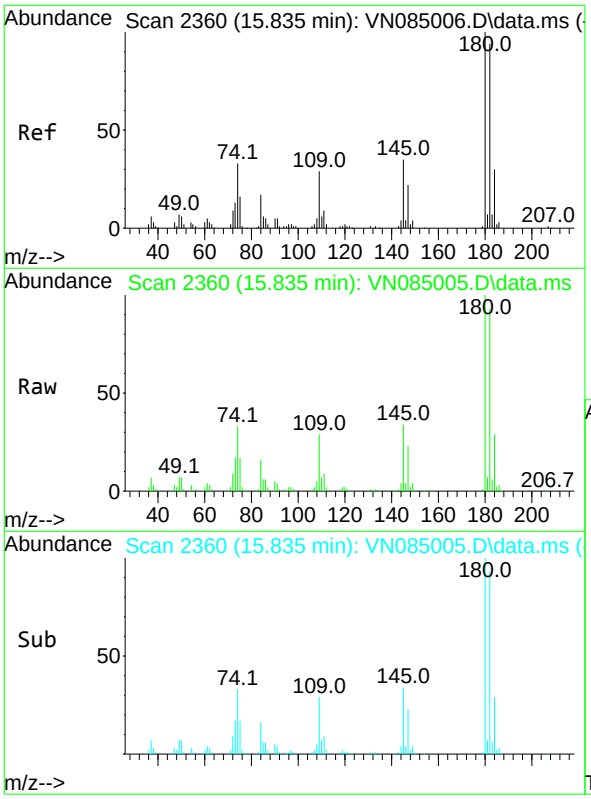
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	11.1	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

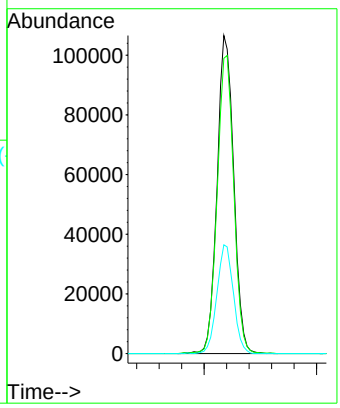
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#96
1,2,3-Trichlorobenzene
Concen: 99.092 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:180 Resp: 218578

Ion	Ratio	Lower	Upper
180	100		
182	93.8	46.4	139.2
145	33.9	17.3	52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085006.D
Acq On : 22 Nov 2024 11:46
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 23 01:58:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	163353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	271467	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	232158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	115244	49.528	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.060%			
35) Dibromofluoromethane	8.159	113	92297	50.417	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.840%			
50) Toluene-d8	10.565	98	338938	51.662	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.320%			
62) 4-Bromofluorobenzene	12.847	95	126840	51.698	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	91455	49.512	ug/l	100
3) Chloromethane	2.360	50	96463	45.027	ug/l	100
4) Vinyl Chloride	2.512	62	93960	48.804	ug/l	100
5) Bromomethane	2.901	94	50828	47.102	ug/l	100
6) Chloroethane	3.065	64	61844	47.657	ug/l	100
7) Trichlorofluoromethane	3.459	101	157642	48.134	ug/l	100
8) Diethyl Ether	3.948	74	57011	51.145	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.353	101	90080	48.495	ug/l	100
10) Methyl Iodide	4.571	142	122086	49.653	ug/l	100
11) Tert butyl alcohol	5.542	59	73708	237.049	ug/l	100
12) 1,1-Dichloroethene	4.318	96	85520	49.324	ug/l	100
13) Acrolein	4.165	56	57099	275.201	ug/l	100
14) Allyl chloride	5.006	41	144773	49.531	ug/l	100
15) Acrylonitrile	5.712	53	214719	243.910	ug/l	100
16) Acetone	4.424	43	165611	244.384	ug/l	100
17) Carbon Disulfide	4.695	76	240507	46.996	ug/l	100
18) Methyl Acetate	5.018	43	107105	49.436	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	288810	50.982	ug/l	100
20) Methylene Chloride	5.265	84	96084	46.464	ug/l	100
21) trans-1,2-Dichloroethene	5.771	96	91214	49.992	ug/l	100
22) Diisopropyl ether	6.665	45	290883	49.447	ug/l	100
23) Vinyl Acetate	6.595	43	1058594	260.842	ug/l	100
24) 1,1-Dichloroethane	6.553	63	171385	48.684	ug/l	100
25) 2-Butanone	7.483	43	270539	244.184	ug/l	100
26) 2,2-Dichloropropane	7.483	77	162280	49.367	ug/l	100
27) cis-1,2-Dichloroethene	7.477	96	107332	48.796	ug/l	100
28) Bromochloromethane	7.806	49	64580	48.597	ug/l	100
29) Tetrahydrofuran	7.836	42	175063	254.088	ug/l	100
30) Chloroform	7.959	83	179452	47.921	ug/l	100
31) Cyclohexane	8.253	56	144139	46.504	ug/l	100
32) 1,1,1-Trichloroethane	8.159	97	165474	48.900	ug/l	100
36) 1,1-Dichloropropene	8.365	75	123540	49.822	ug/l	100
37) Ethyl Acetate	7.553	43	109296	48.484	ug/l	100
38) Carbon Tetrachloride	8.353	117	144897	50.624	ug/l	100
39) Methylcyclohexane	9.594	83	137583	53.395	ug/l	100
40) Benzene	8.600	78	386616	49.297	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085006.D
Acq On : 22 Nov 2024 11:46
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 23 01:58:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	62534	50.102	ug/l		100
42) 1,2-Dichloroethane	8.665	62	130440	48.616	ug/l		100
43) Isopropyl Acetate	8.683	43	204483	43.670	ug/l		100
44) Trichloroethene	9.347	130	88746	48.692	ug/l		100
45) 1,2-Dichloropropane	9.618	63	94677	49.013	ug/l		100
46) Dibromomethane	9.706	93	66370	49.447	ug/l		100
47) Bromodichloromethane	9.883	83	141808	49.849	ug/l		100
48) Methyl methacrylate	9.677	41	89202	51.193	ug/l		100
49) 1,4-Dioxane	9.694	88	31557	1044.331	ug/l		100
51) 4-Methyl-2-Pentanone	10.441	43	551484	257.854	ug/l		100
52) Toluene	10.624	92	240730	51.850	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	148995	52.241	ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	156342	51.671	ug/l		100
55) 1,1,2-Trichloroethane	11.012	97	87334	50.501	ug/l		100
56) Ethyl methacrylate	10.871	69	140546	55.617	ug/l		100
57) 1,3-Dichloropropane	11.159	76	151573	49.800	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	368190	297.030	ug/l		100
59) 2-Hexanone	11.194	43	424152	265.165	ug/l		100
60) Dibromochloromethane	11.359	129	104699	49.538	ug/l		100
61) 1,2-Dibromoethane	11.465	107	89471	49.991	ug/l		100
64) Tetrachloroethene	11.100	164	76257	48.747	ug/l		100
65) Chlorobenzene	11.888	112	252937	48.041	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	92289	49.785	ug/l		100
67) Ethyl Benzene	11.959	91	451491	52.856	ug/l		100
68) m/p-Xylenes	12.071	106	342033	105.174	ug/l		100
69) o-Xylene	12.394	106	164137	53.059	ug/l		100
70) Styrene	12.406	104	277349	53.912	ug/l		100
71) Bromoform	12.576	173	71858	52.221	ug/l	#	100
73) Isopropylbenzene	12.694	105	415716	51.479	ug/l		100
74) N-amyl acetate	12.494	43	177685	53.396	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	126215	45.771	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	103311m	48.246	ug/l		
77) Bromobenzene	12.976	156	105184	48.402	ug/l		100
78) n-propylbenzene	13.035	91	484892	52.059	ug/l		100
79) 2-Chlorotoluene	13.124	91	305747	49.174	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	360125	53.145	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	46724	50.990	ug/l		100
82) 4-Chlorotoluene	13.218	91	317569	49.063	ug/l		100
83) tert-Butylbenzene	13.435	119	301180	51.657	ug/l		100
84) 1,2,4-Trimethylbenzene	13.476	105	371046	53.195	ug/l		100
85) sec-Butylbenzene	13.612	105	419761	53.296	ug/l		100
86) p-Isopropyltoluene	13.723	119	353974	54.443	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	196552	45.855	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	201469	46.058	ug/l		100
89) n-Butylbenzene	14.053	91	305730	50.564	ug/l		100
90) Hexachloroethane	14.329	117	69444	49.001	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	193123	47.019	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.718	75	25059	46.995	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	103265	46.278	ug/l		100
94) Hexachlorobutadiene	15.500	225	46186	44.848	ug/l		100
95) Naphthalene	15.641	128	324523	51.063	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	102772	48.269	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085006.D
Acq On : 22 Nov 2024 11:46
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 23 01:58:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085006.D
Acq On : 22 Nov 2024 11:46
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 23 01:58:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
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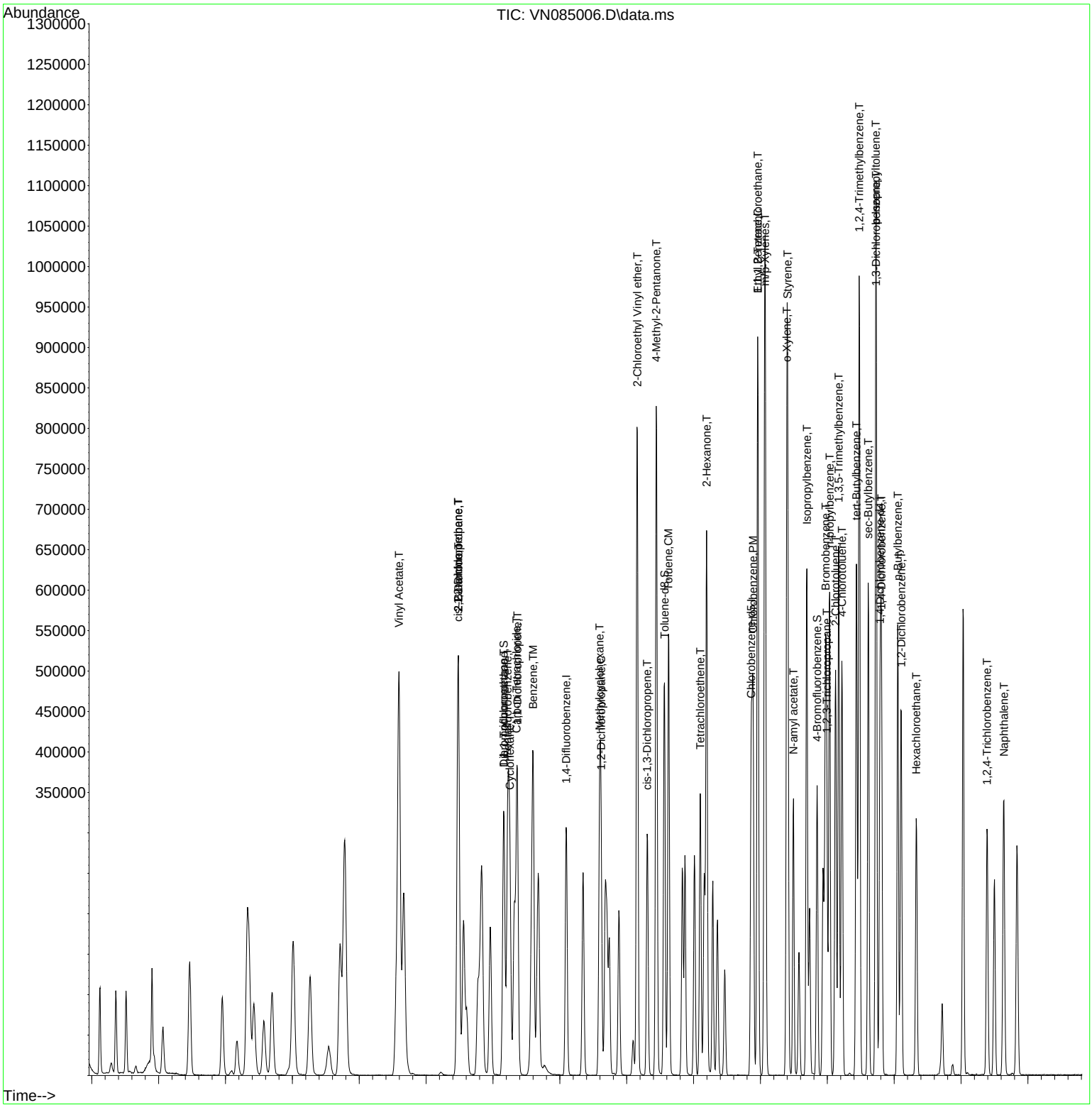
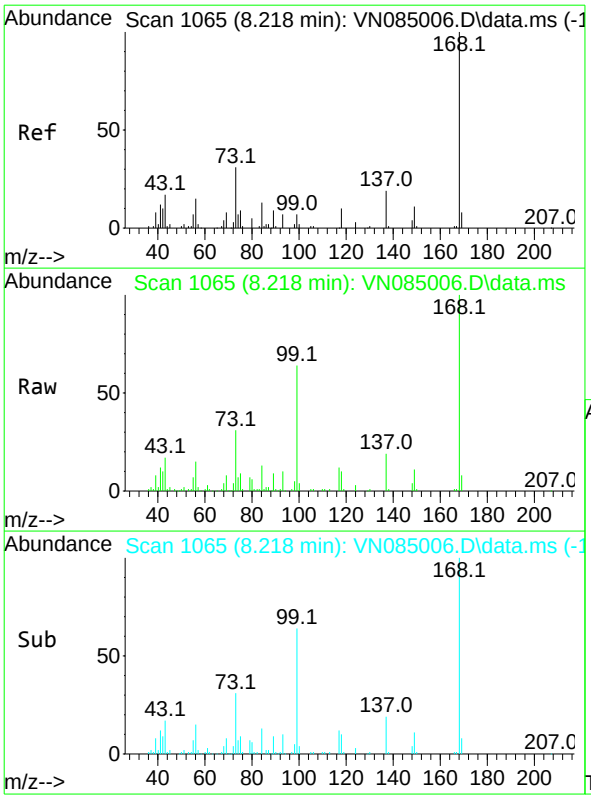
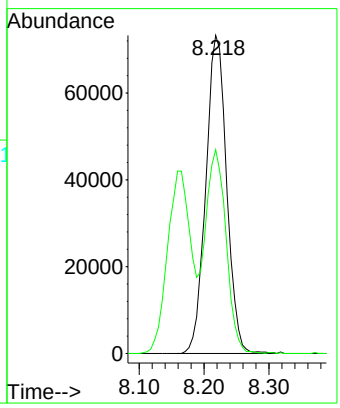




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:168 Resp: 163353

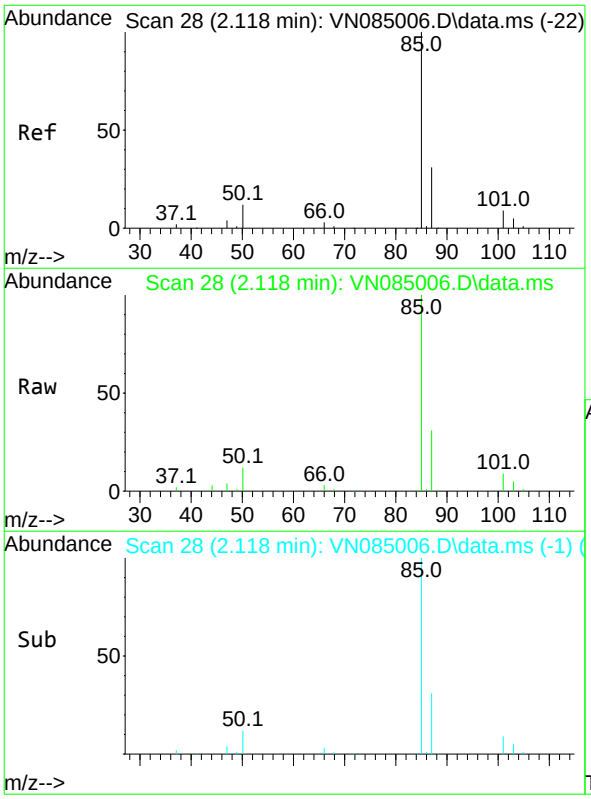
Ion	Ratio	Lower	Upper
168	100		
99	64.0	51.2	76.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

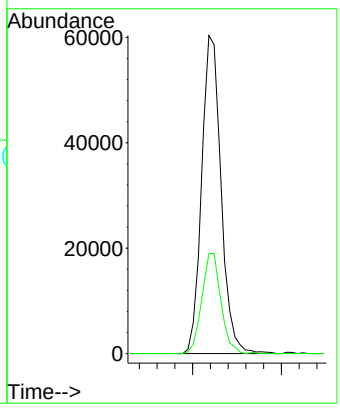
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

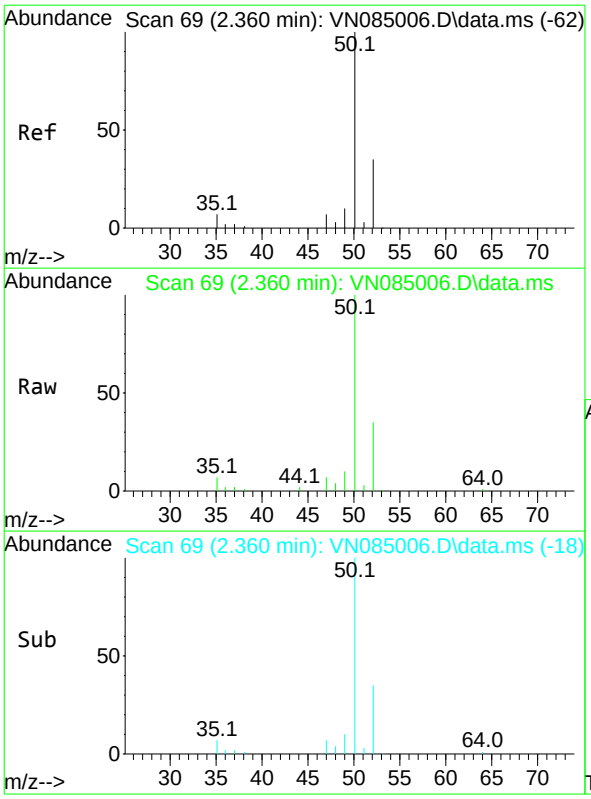


#2
Dichlorodifluoromethane
Concen: 49.512 ug/l
RT: 2.118 min Scan# 28
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 85 Resp: 91455

Ion	Ratio	Lower	Upper
85	100		
87	31.4	15.7	47.1

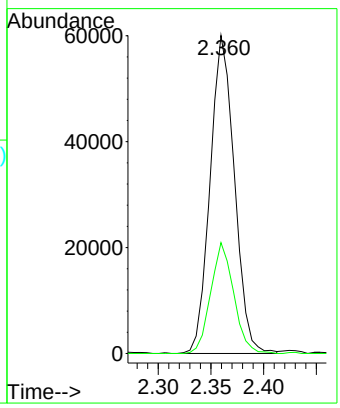




#3
Chloromethane
Concen: 45.027 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 50 Resp: 96463

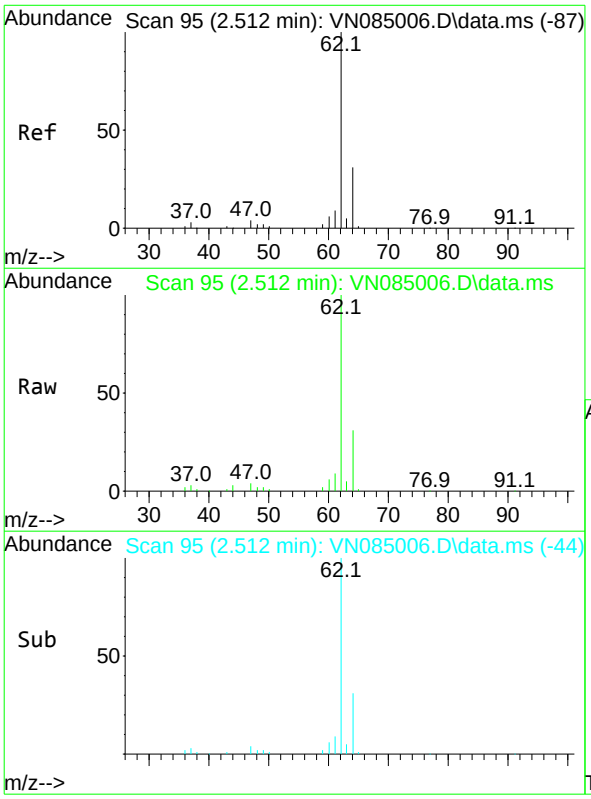
Ion	Ratio	Lower	Upper
50	100		
52	34.8	27.8	41.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

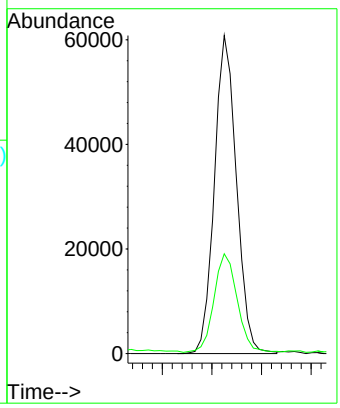
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

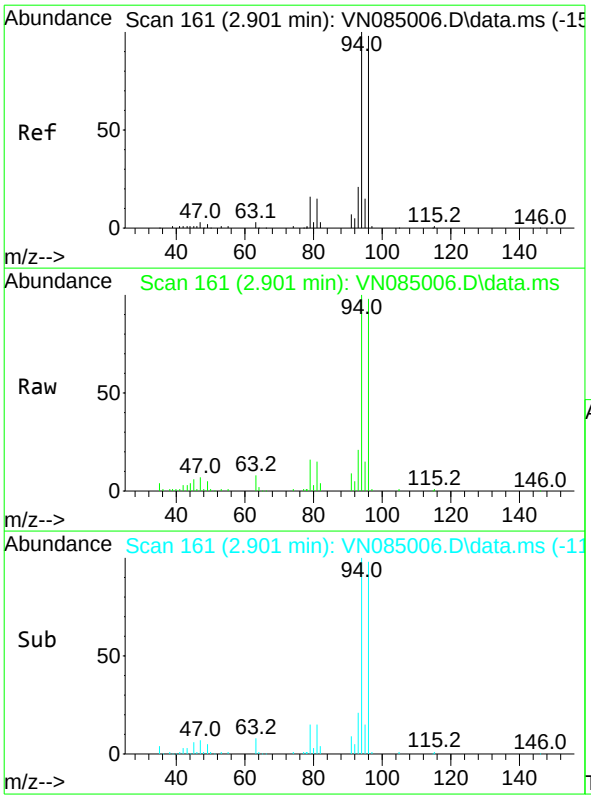


#4
Vinyl Chloride
Concen: 48.804 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 62 Resp: 93960

Ion	Ratio	Lower	Upper
62	100		
64	30.7	24.6	36.8

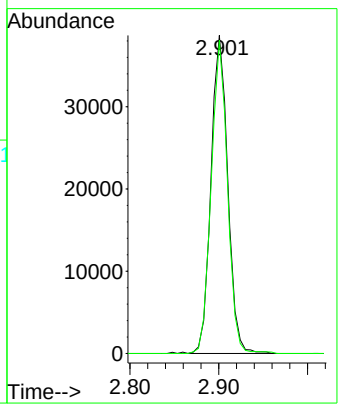




#5
Bromomethane
Concen: 47.102 ug/l
RT: 2.901 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 94 Resp: 50828

Ion	Ratio	Lower	Upper
94	100		
96	98.4	78.7	118.1



Instrument :
MSVOA_N
ClientSampleId :
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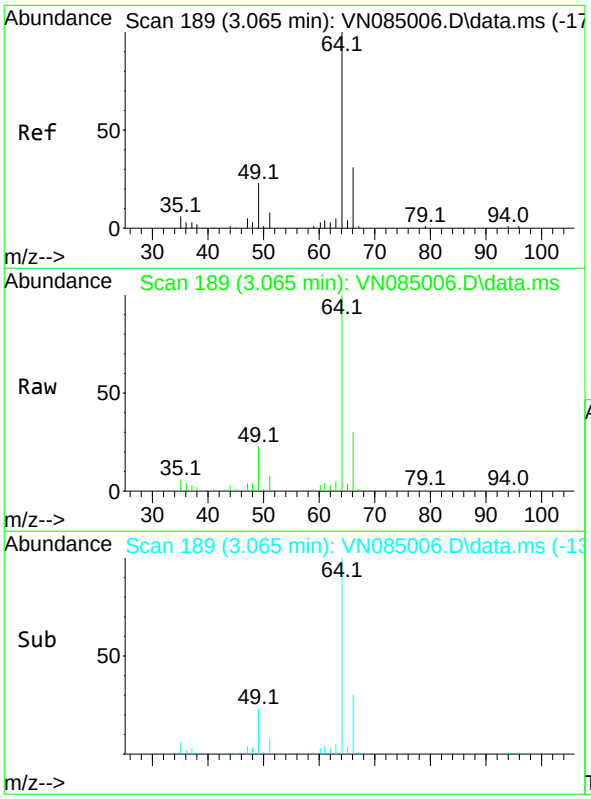
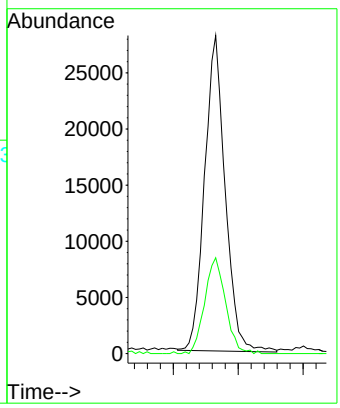
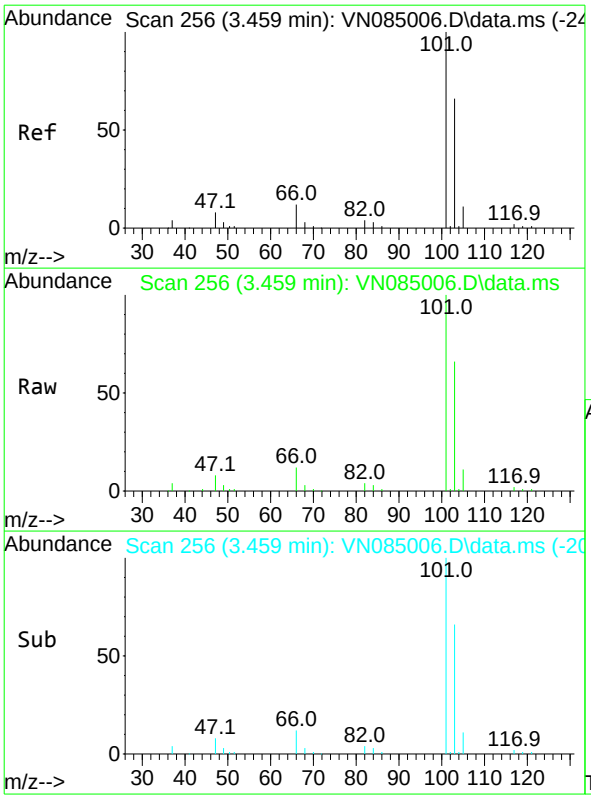


#6
Chloroethane
Concen: 47.657 ug/l
RT: 3.065 min Scan# 189
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 64 Resp: 61844

Ion	Ratio	Lower	Upper
64	100		
66	30.5	24.4	36.6

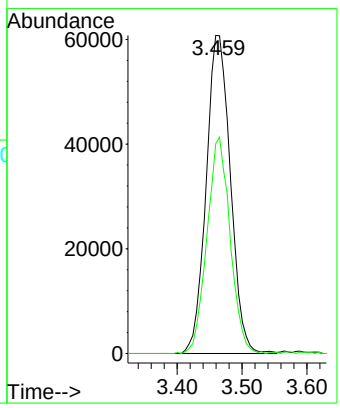




#7
Trichlorofluoromethane
Concen: 48.134 ug/l
RT: 3.459 min Scan# 25
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:101 Resp: 157642

Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.6	78.8



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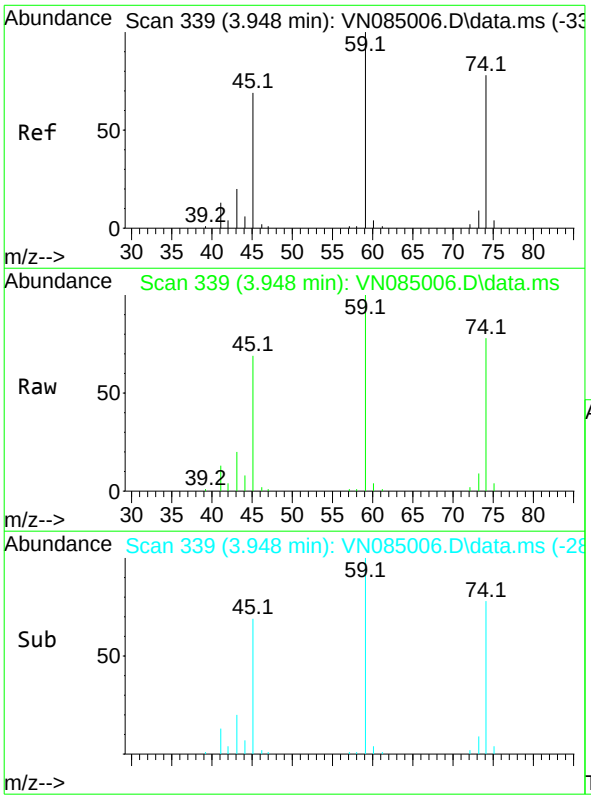
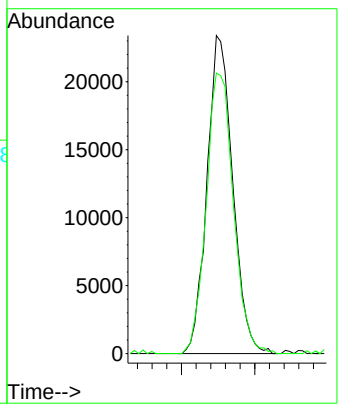
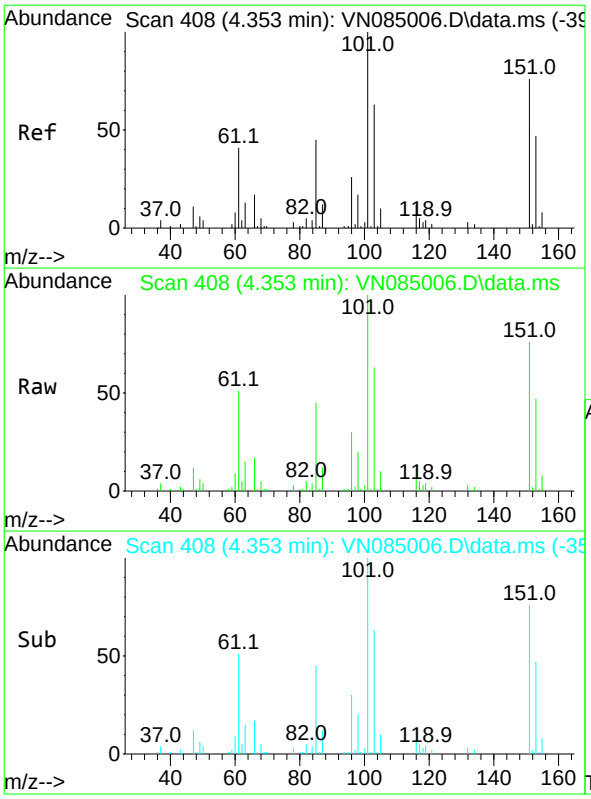


#8
Diethyl Ether
Concen: 51.145 ug/l
RT: 3.948 min Scan# 339
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 74 Resp: 57011

Ion	Ratio	Lower	Upper
74	100		
45	93.4	46.7	140.1

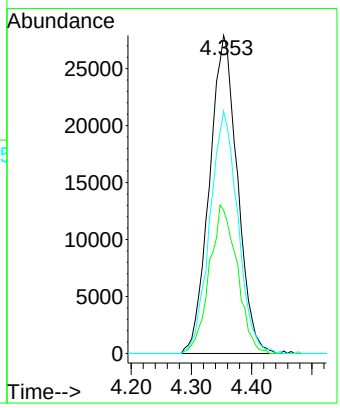




#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.495 ug/l
RT: 4.353 min Scan# 40
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:101 Resp: 90080

Ion	Ratio	Lower	Upper
101	100		
85	46.1	36.9	55.3
151	76.0	60.8	91.2



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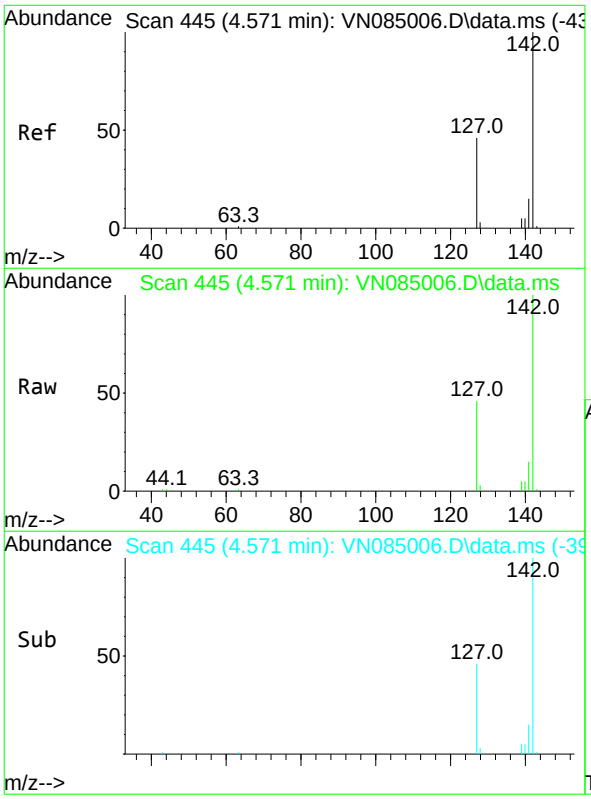
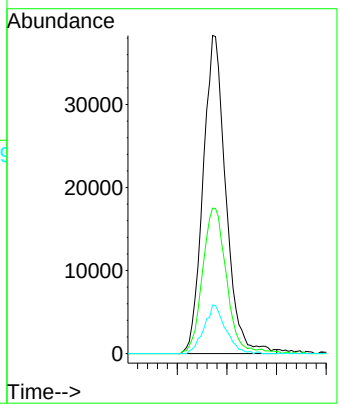
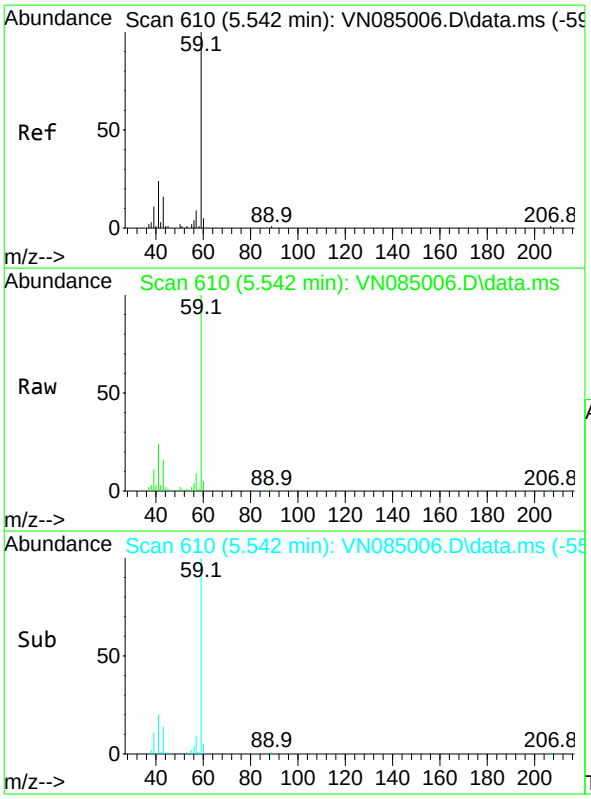


#10
Methyl Iodide
Concen: 49.653 ug/l
RT: 4.571 min Scan# 445
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:142 Resp: 122086

Ion	Ratio	Lower	Upper
142	100		
127	45.7	36.6	54.8
141	15.3	12.2	18.4

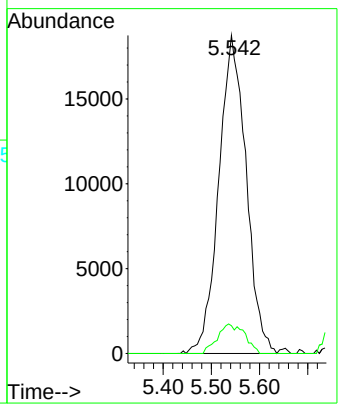




#11
Tert butyl alcohol
Concen: 237.049 ug/l
RT: 5.542 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 59 Resp: 73708

Ion	Ratio	Lower	Upper
59	100		
57	9.2	7.4	11.0



Instrument :
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ClientSampleId :
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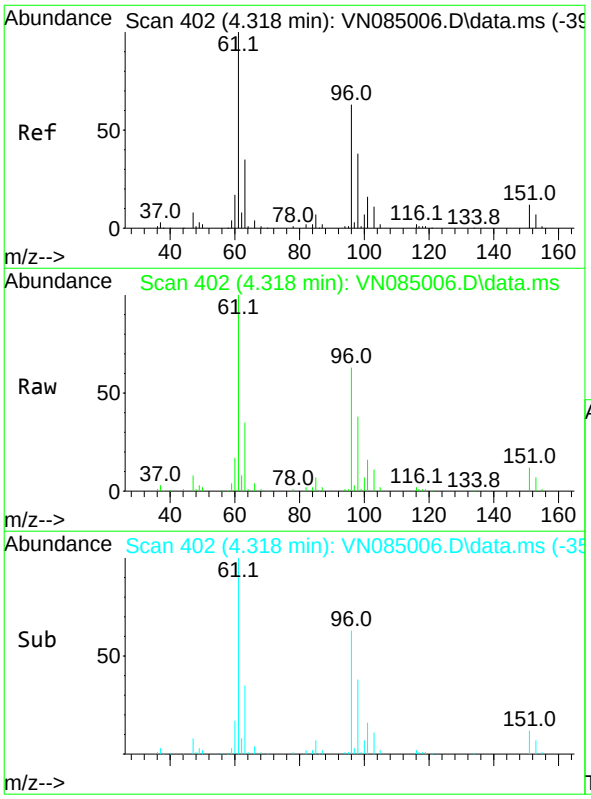
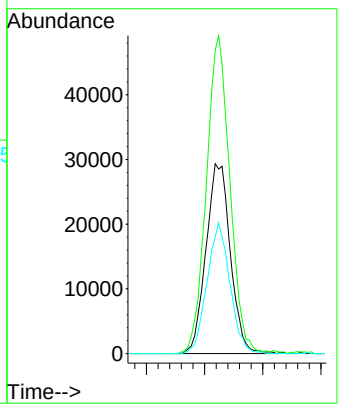
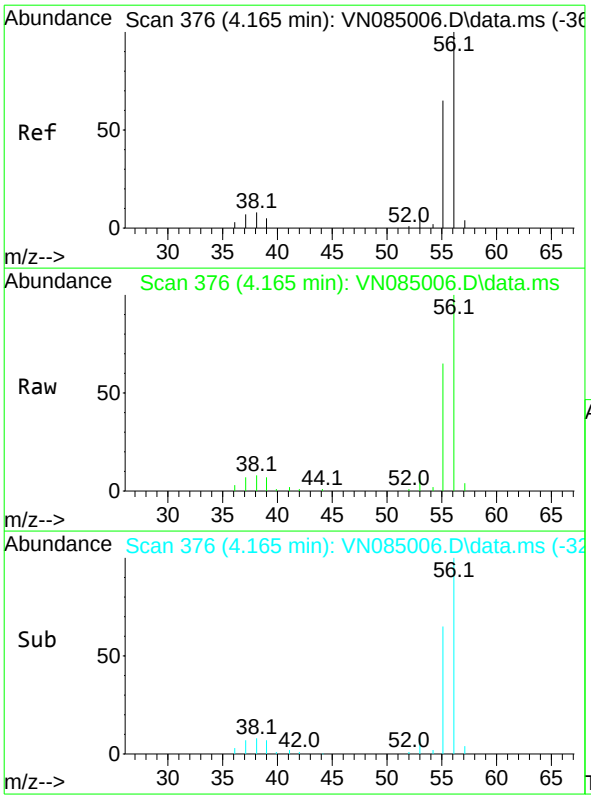


#12
1,1-Dichloroethene
Concen: 49.324 ug/l
RT: 4.318 min Scan# 402
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 96 Resp: 85520

Ion	Ratio	Lower	Upper
96	100		
61	159.8	127.8	191.8
98	61.5	49.2	73.8

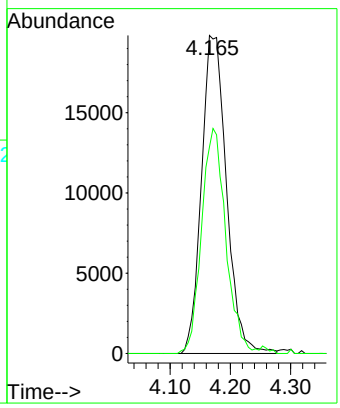




#13
Acrolein
Concen: 275.201 ug/l
RT: 4.165 min Scan# 37
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 56 Resp: 57099

Ion	Ratio	Lower	Upper
56	100		
55	68.1	54.5	81.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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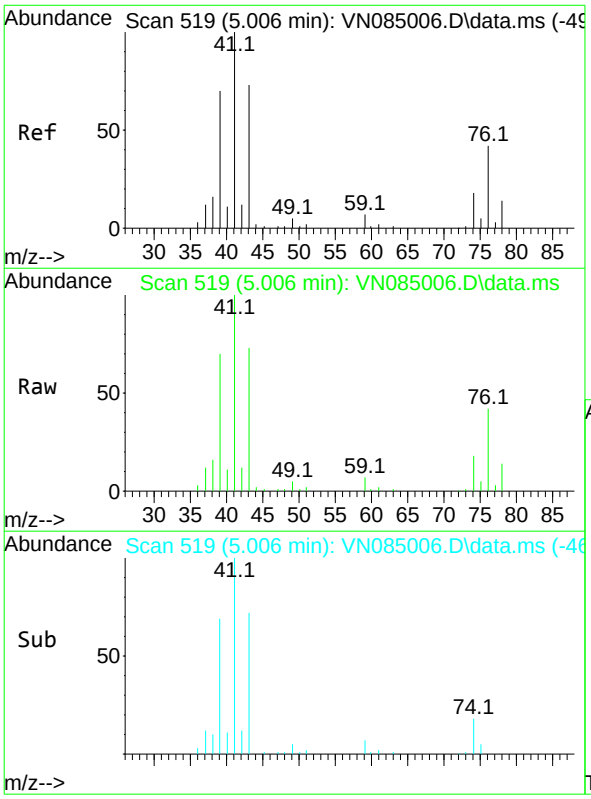
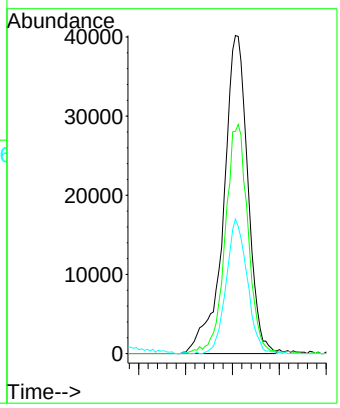
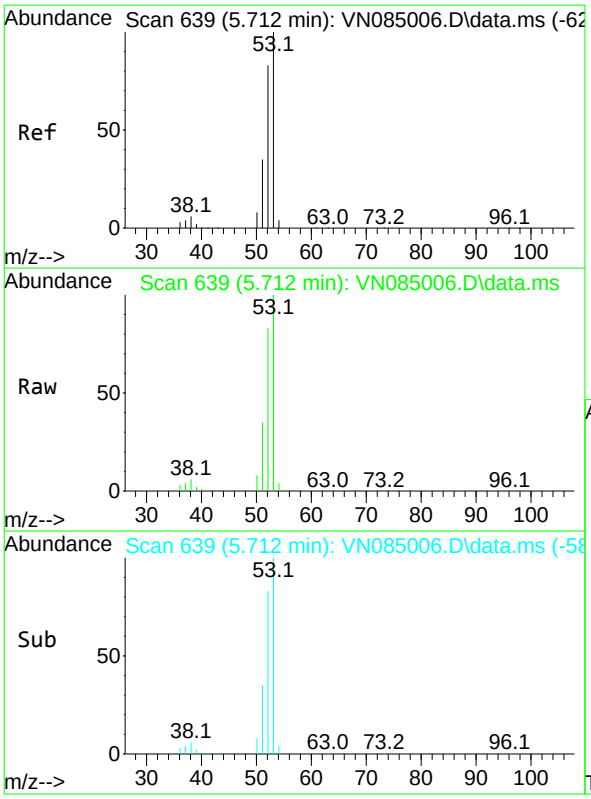


#14
Allyl chloride
Concen: 49.531 ug/l
RT: 5.006 min Scan# 519
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 41 Resp: 144773

Ion	Ratio	Lower	Upper
41	100		
39	67.3	53.8	80.8
76	36.6	29.3	43.9

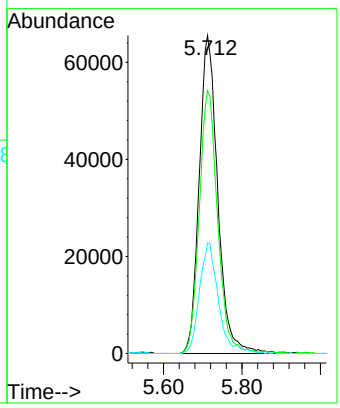




#15
Acrylonitrile
Concen: 243.910 ug/l
RT: 5.712 min Scan# 63
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 53 Resp: 214719

Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.5	98.3
51	35.5	28.4	42.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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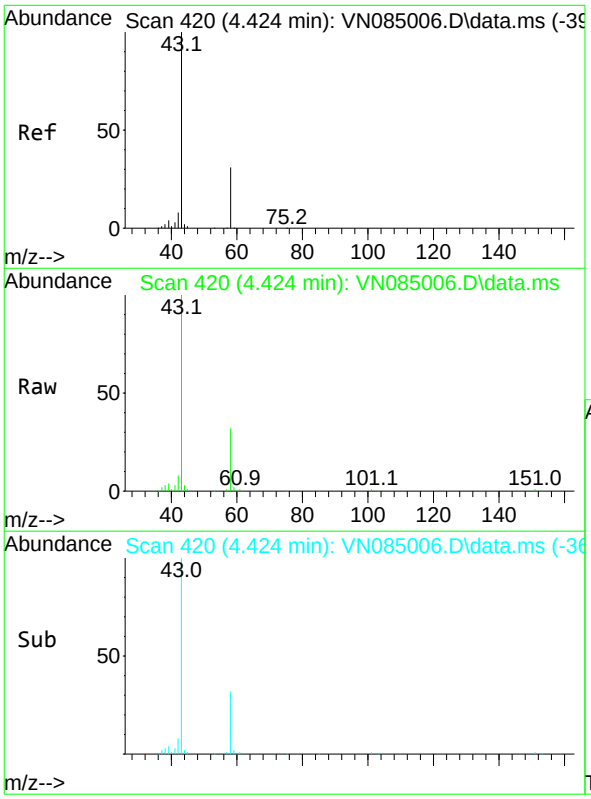
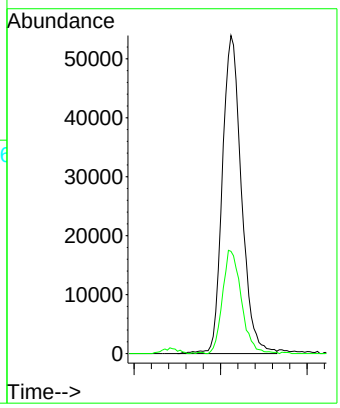
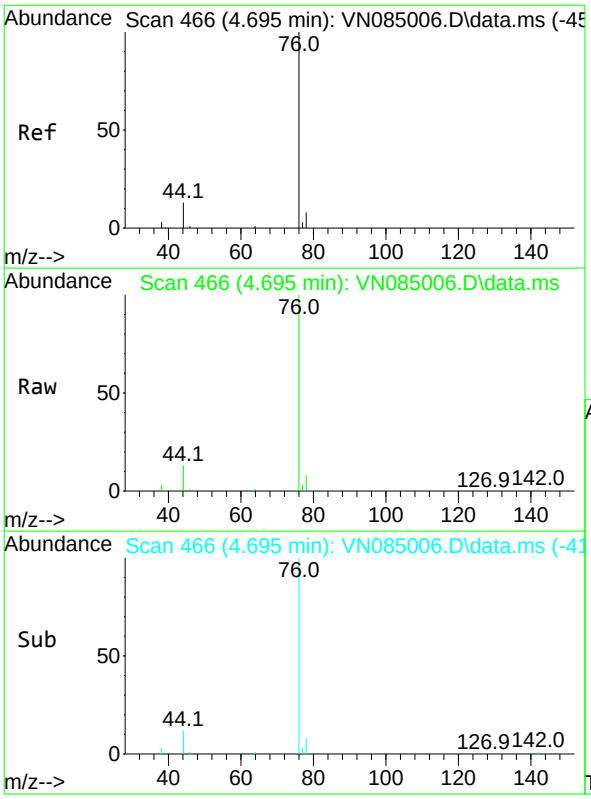


#16
Acetone
Concen: 244.384 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 43 Resp: 165611

Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.4	38.2

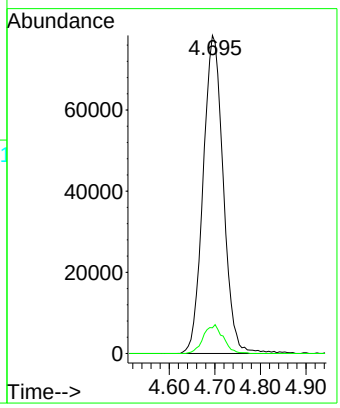




#17
Carbon Disulfide
Concen: 46.996 ug/l
RT: 4.695 min Scan# 46
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 76 Resp: 240507

Ion	Ratio	Lower	Upper
76	100		
78	8.1	6.5	9.7



Instrument :
MSVOA_N
ClientSampleId :
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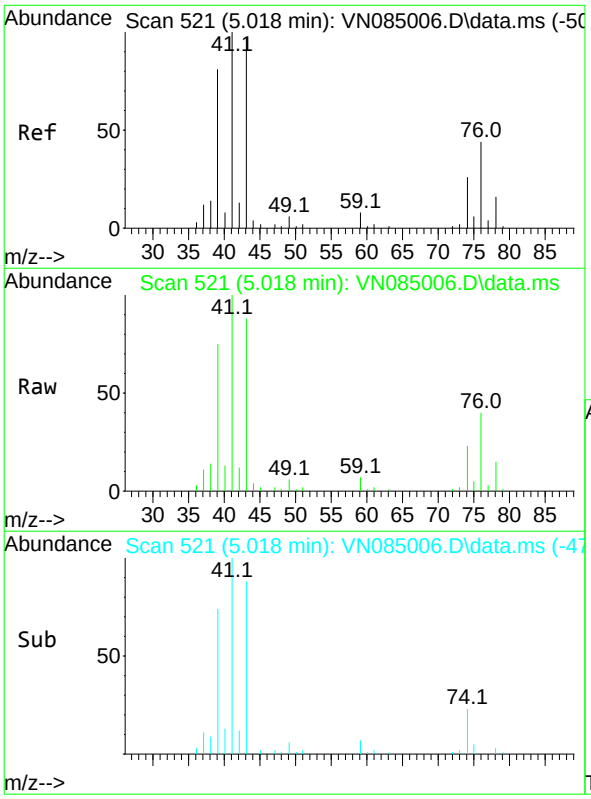
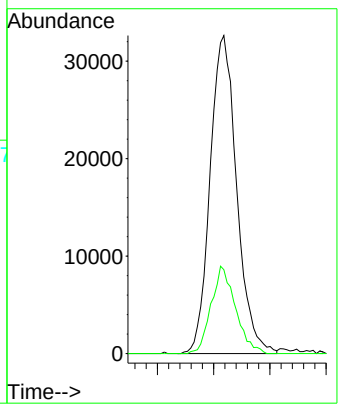
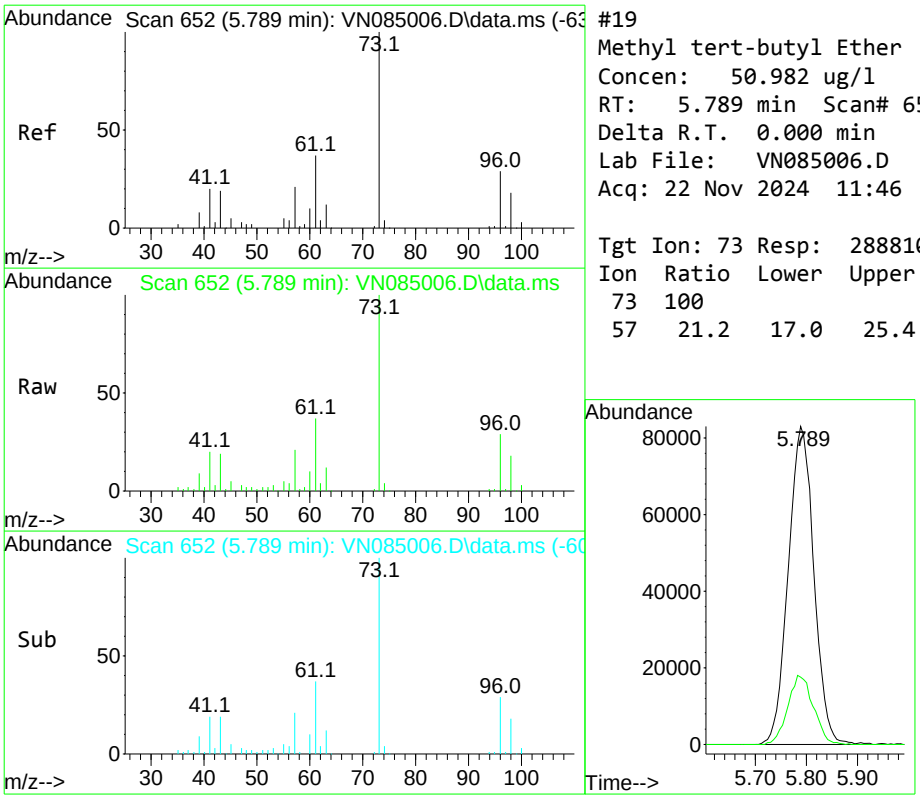


#18
Methyl Acetate
Concen: 49.436 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 43 Resp: 107105

Ion	Ratio	Lower	Upper
43	100		
74	25.1	20.1	30.1





#19
Methyl tert-butyl Ether
Concen: 50.982 ug/l
RT: 5.789 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 73 Resp: 288810

Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.0	25.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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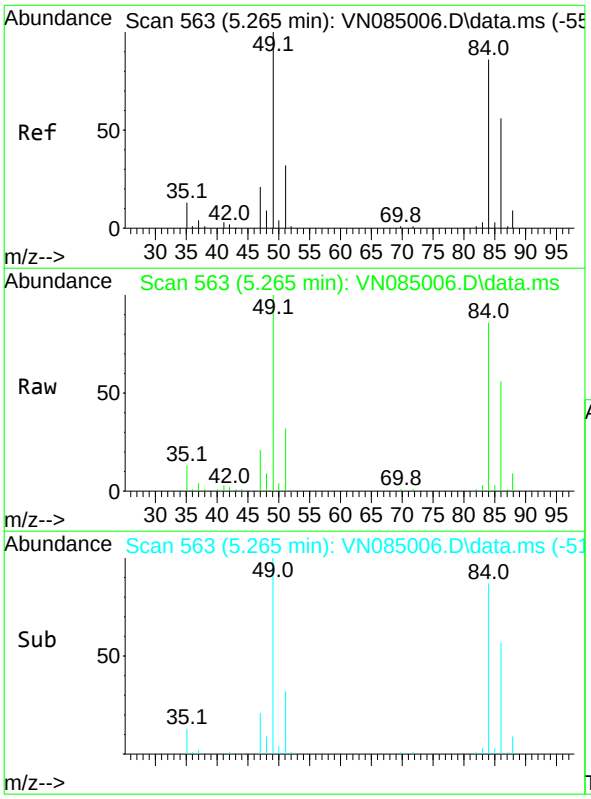
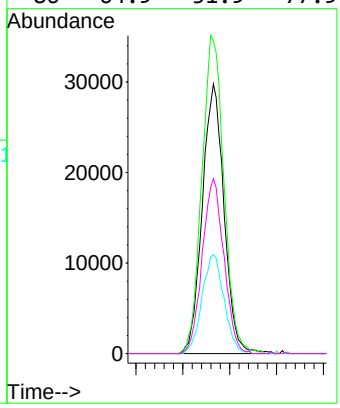
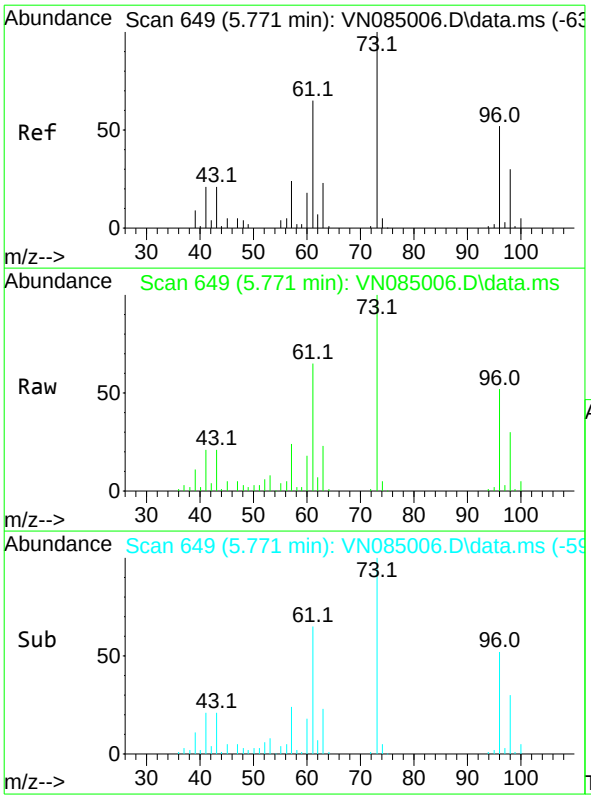


#20
Methylene Chloride
Concen: 46.464 ug/l
RT: 5.265 min Scan# 563
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 84 Resp: 96084

Ion	Ratio	Lower	Upper
84	100		
49	115.9	92.7	139.1
51	36.8	29.4	44.2
86	64.9	51.9	77.9

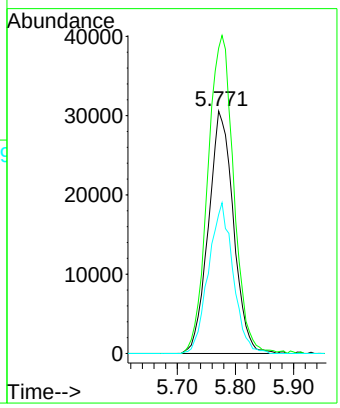




#21
trans-1,2-Dichloroethene
Concen: 49.992 ug/l
RT: 5.771 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 96 Resp: 91214

Ion	Ratio	Lower	Upper
96	100		
61	125.9	100.7	151.1
98	57.2	45.8	68.6



Instrument :
MSVOA_N
ClientSampleId :
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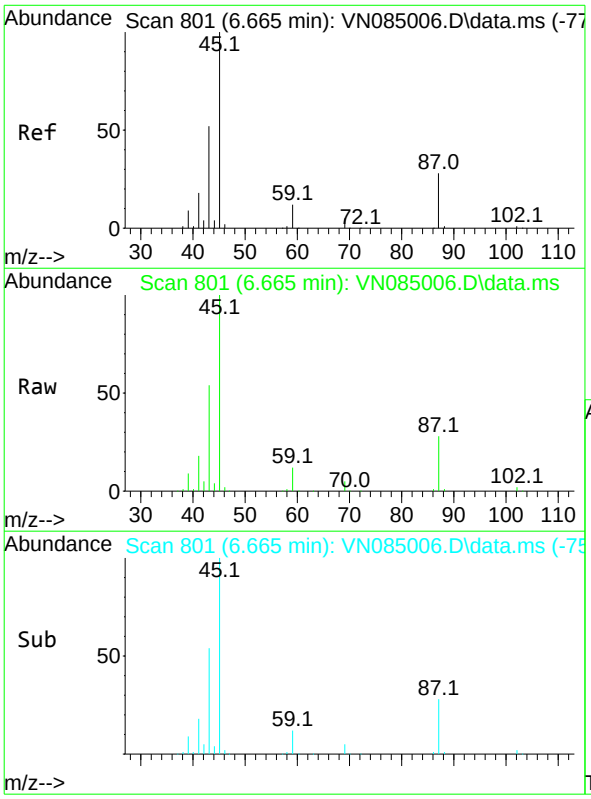
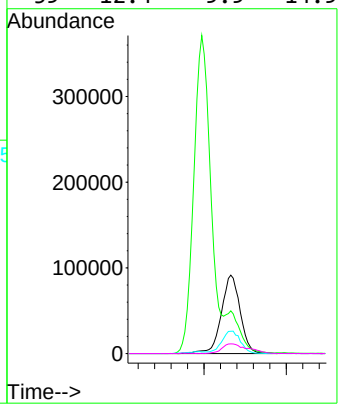
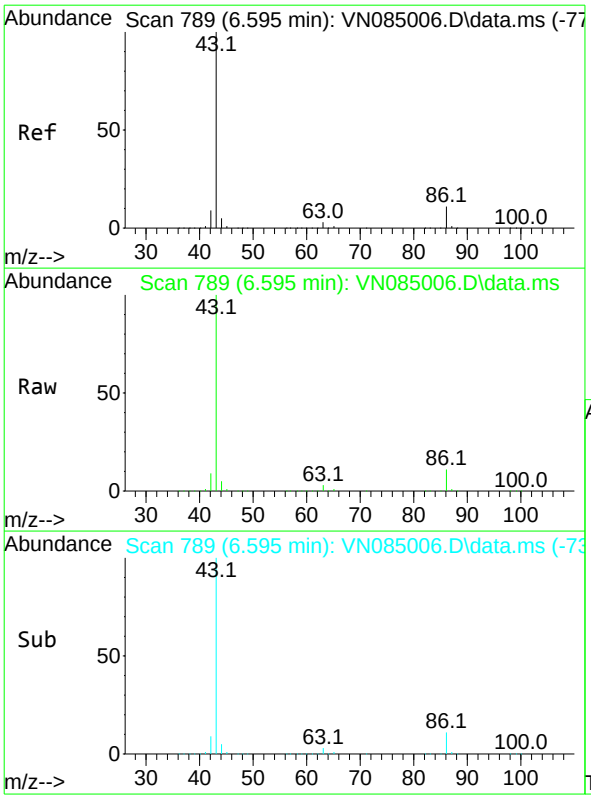


#22
Diisopropyl ether
Concen: 49.447 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 45 Resp: 290883

Ion	Ratio	Lower	Upper
45	100		
43	53.4	42.7	64.1
87	28.3	22.6	34.0
59	12.4	9.9	14.9

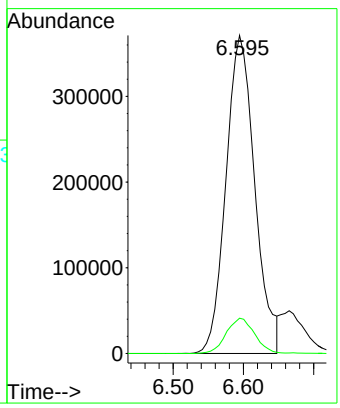




#23
Vinyl Acetate
Concen: 260.842 ug/l
RT: 6.595 min Scan# 78
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 43 Resp: 1058594

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.9	13.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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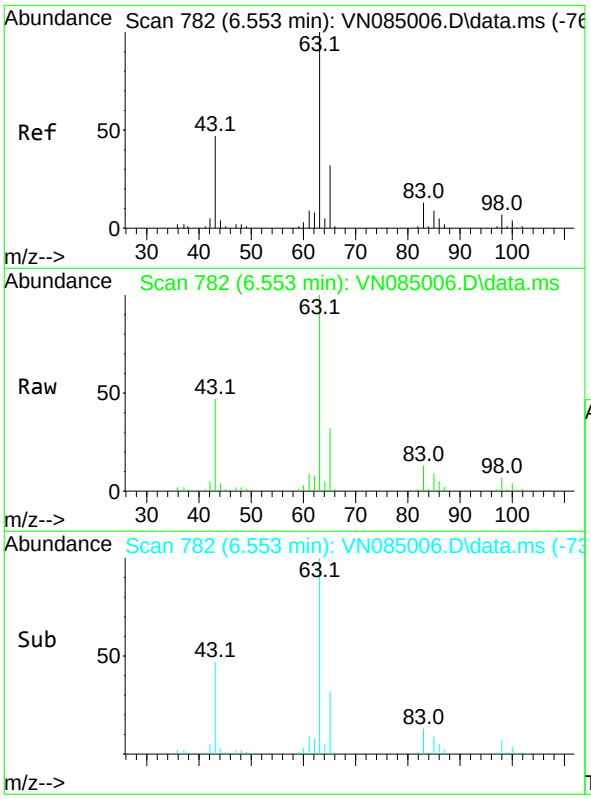
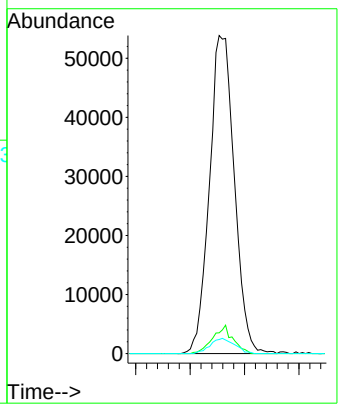
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

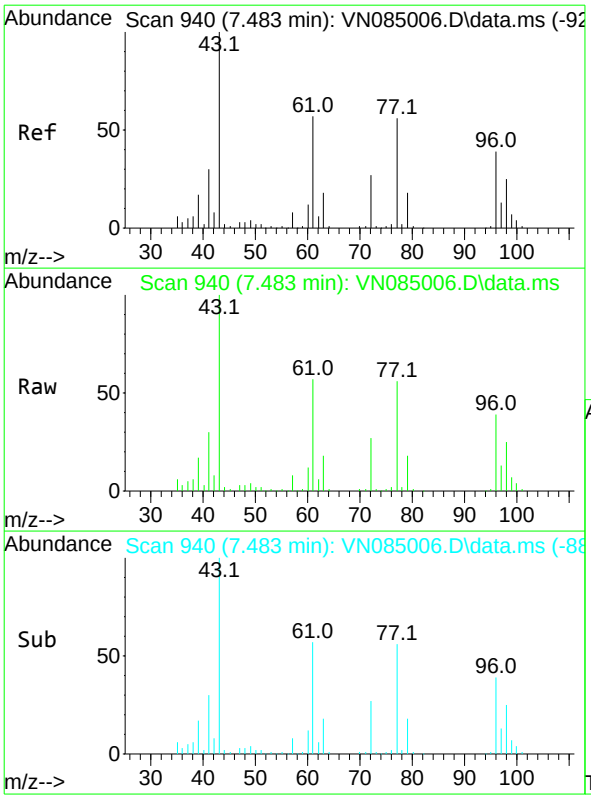


#24
1,1-Dichloroethane
Concen: 48.684 ug/l
RT: 6.553 min Scan# 782
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 63 Resp: 171385

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.3	9.8
100	4.4	2.2	6.6

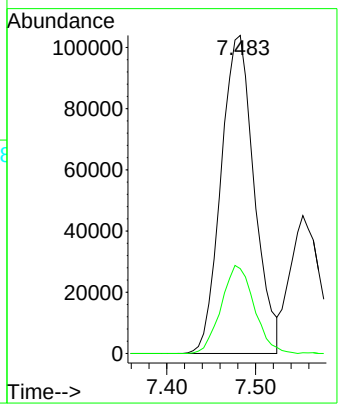




#25
2-Butanone
Concen: 244.184 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 43 Resp: 270539

Ion	Ratio	Lower	Upper
43	100		
72	26.7	21.4	32.0



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MSVOA_N
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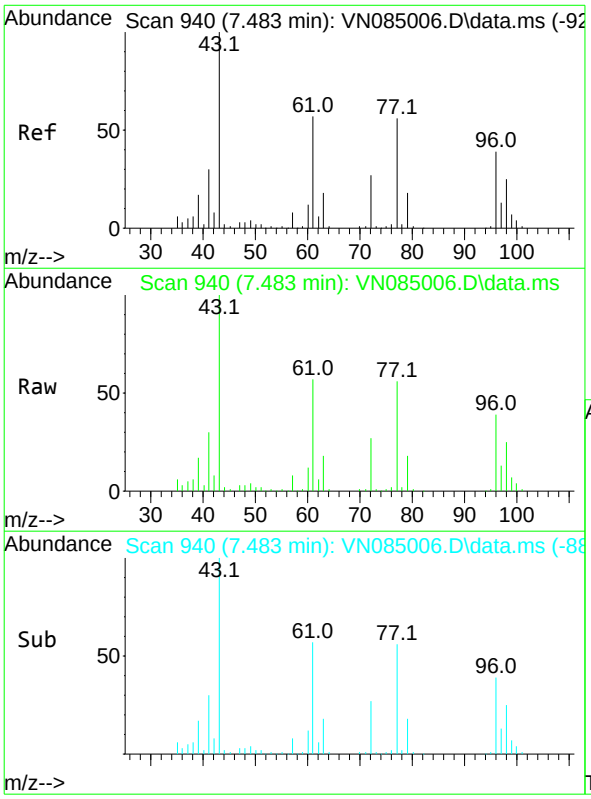
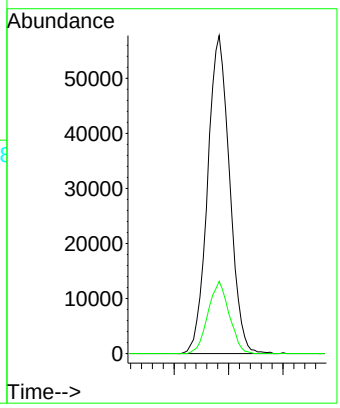
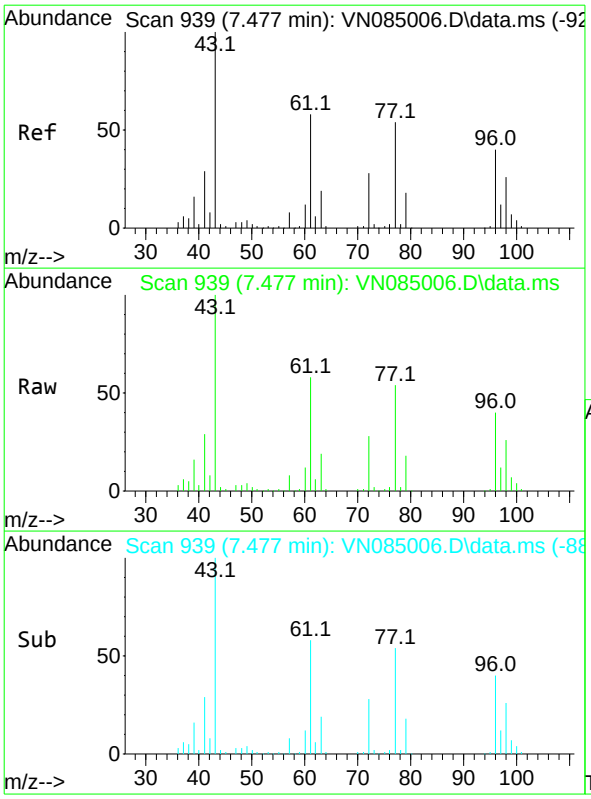


#26
2,2-Dichloropropane
Concen: 49.367 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 77 Resp: 162280

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.9	32.7

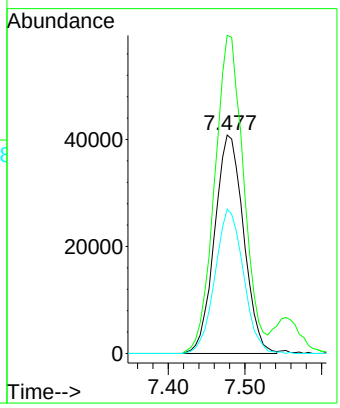




#27
cis-1,2-Dichloroethene
Concen: 48.796 ug/l
RT: 7.477 min Scan# 93
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 96 Resp: 107332

Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	291.6
98	64.9	0.0	129.8



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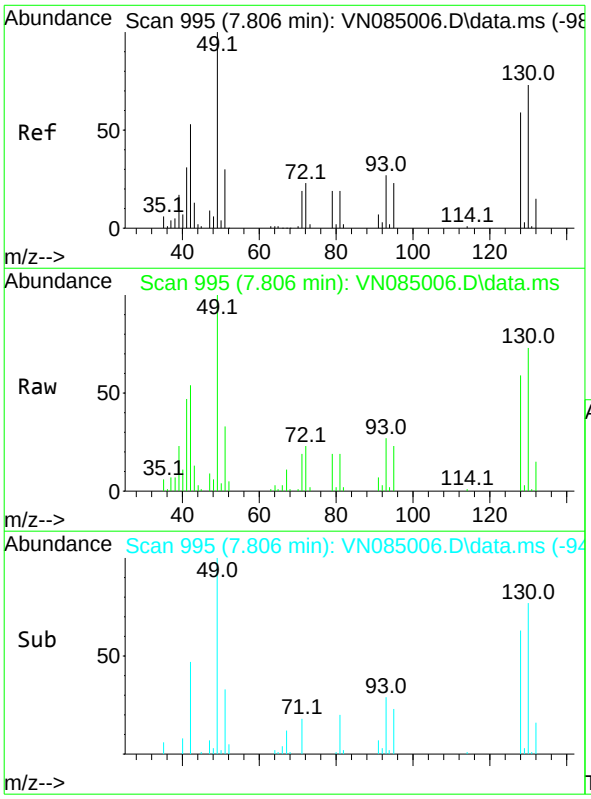
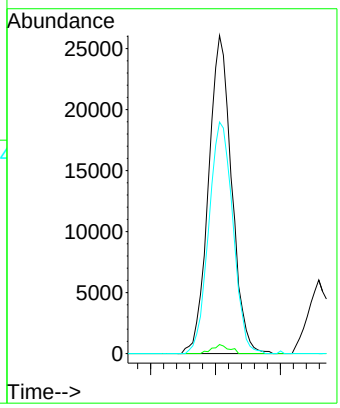
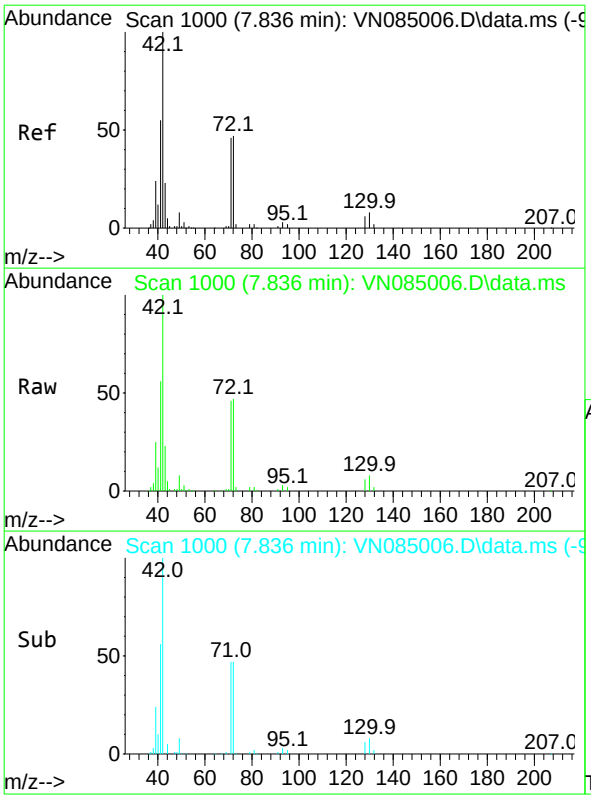


#28
Bromochloromethane
Concen: 48.597 ug/l
RT: 7.806 min Scan# 995
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 49 Resp: 64580

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	75.7	60.6	90.8

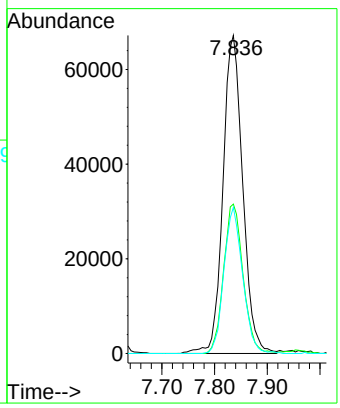




#29
Tetrahydrofuran
Concen: 254.088 ug/l
RT: 7.836 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 42 Resp: 175063

Ion	Ratio	Lower	Upper
42	100		
72	46.2	37.0	55.4
71	43.7	35.0	52.4



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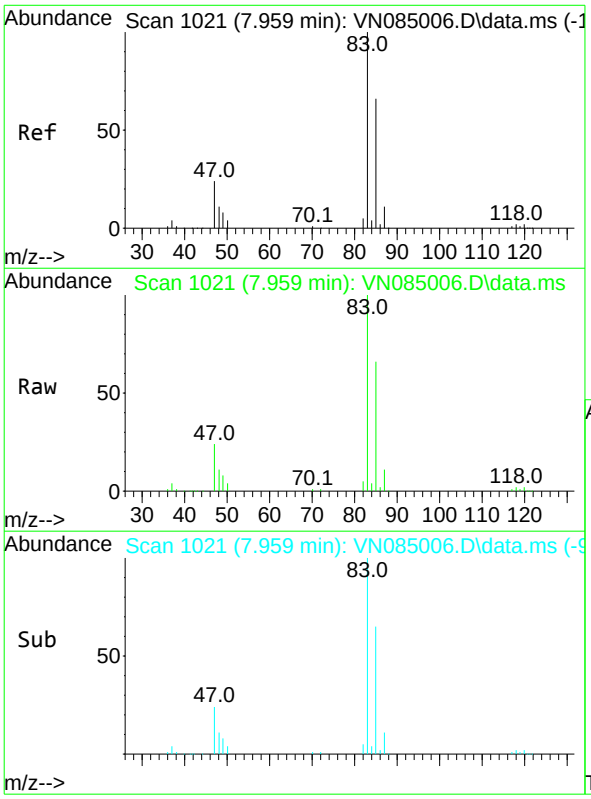
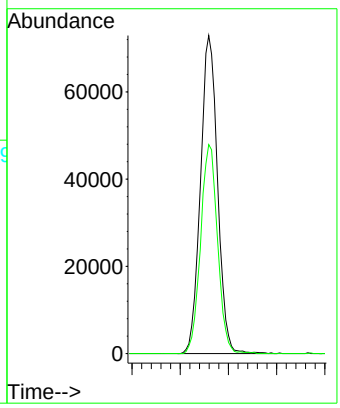
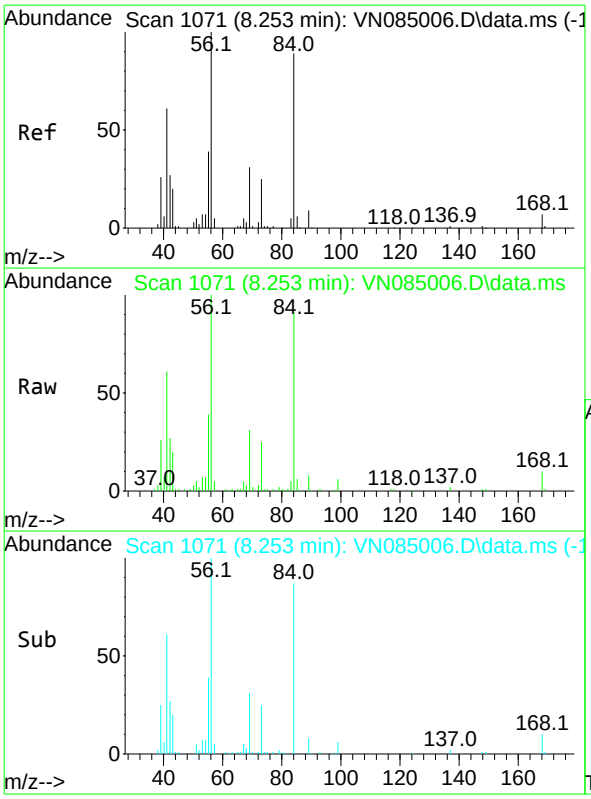


#30
Chloroform
Concen: 47.921 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 83 Resp: 179452

Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.6	78.8

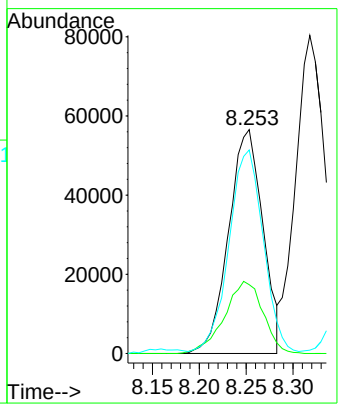




#31
Cyclohexane
Concen: 46.504 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 56 Resp: 144139

Ion	Ratio	Lower	Upper
56	100		
69	30.7	24.6	36.8
84	89.3	71.4	107.2



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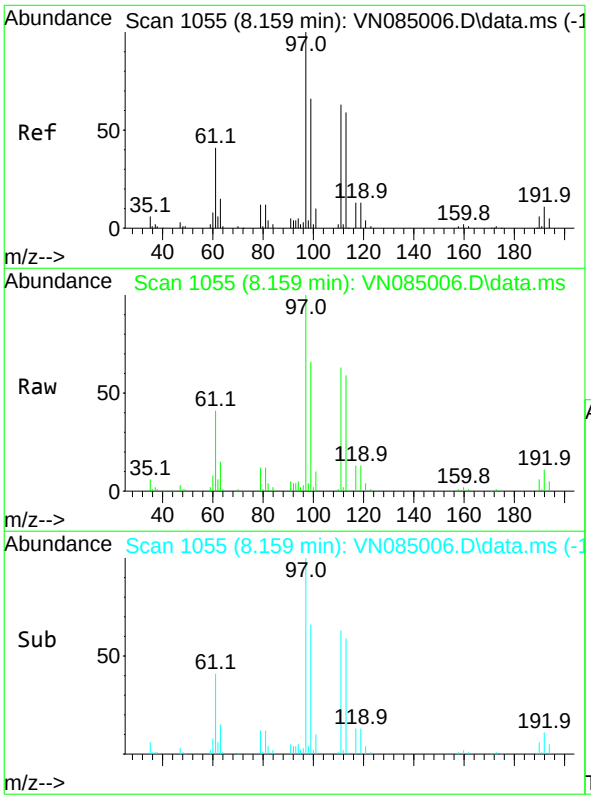
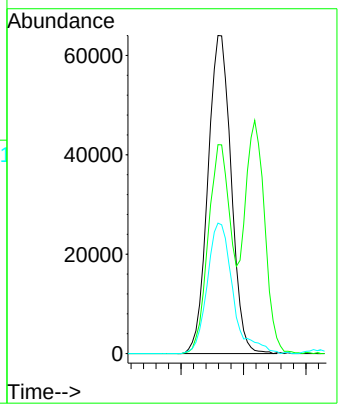
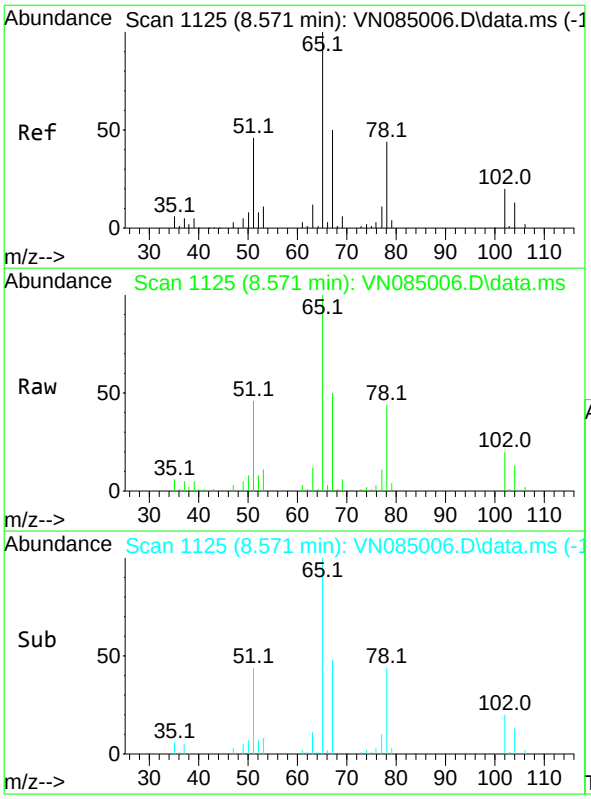


#32
1,1,1-Trichloroethane
Concen: 48.900 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 97 Resp: 165474

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.4
61	45.2	36.2	54.2

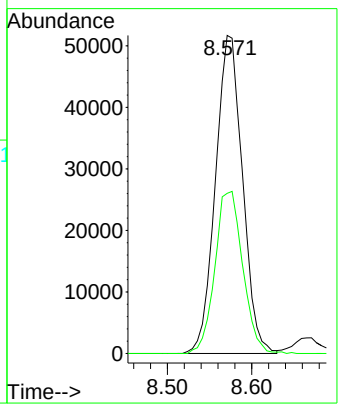




#33
1,2-Dichloroethane-d4
Concen: 49.528 ug/l
RT: 8.571 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 65 Resp: 115244

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	105.0



Instrument :
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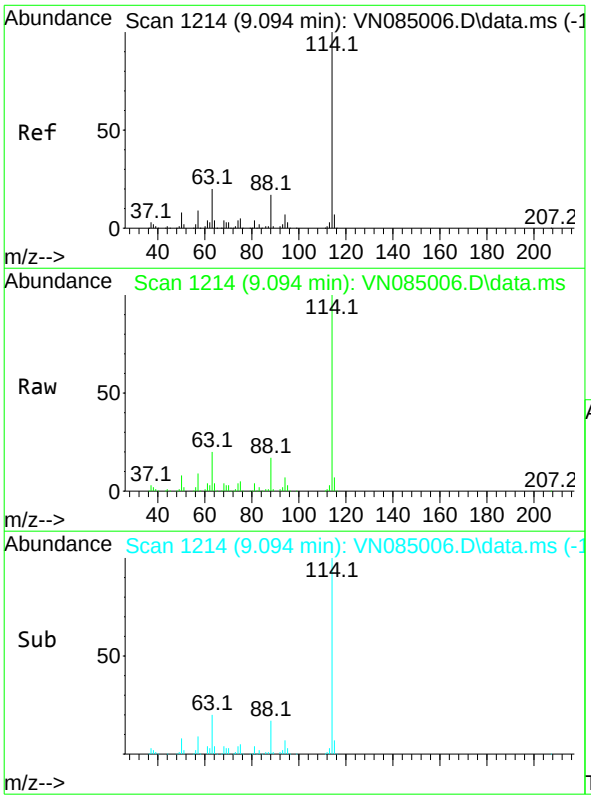
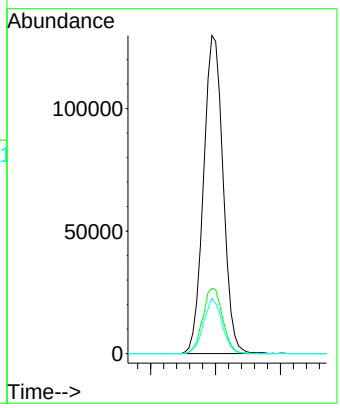
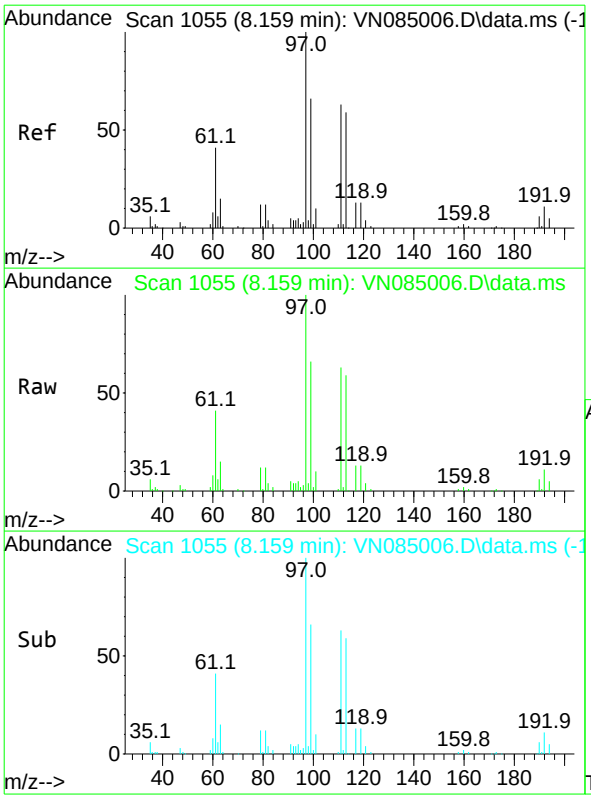


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:114 Resp: 271467

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	41.0
88	17.4	0.0	34.8

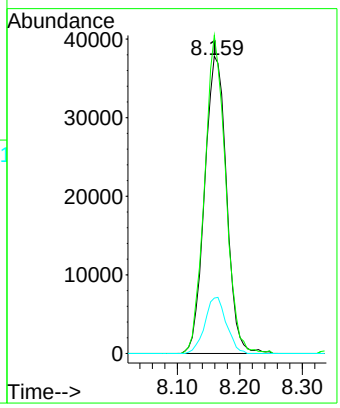




#35
Dibromofluoromethane
Concen: 50.417 ug/l
RT: 8.159 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:113 Resp: 92297

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.0	123.0
192	18.5	14.8	22.2



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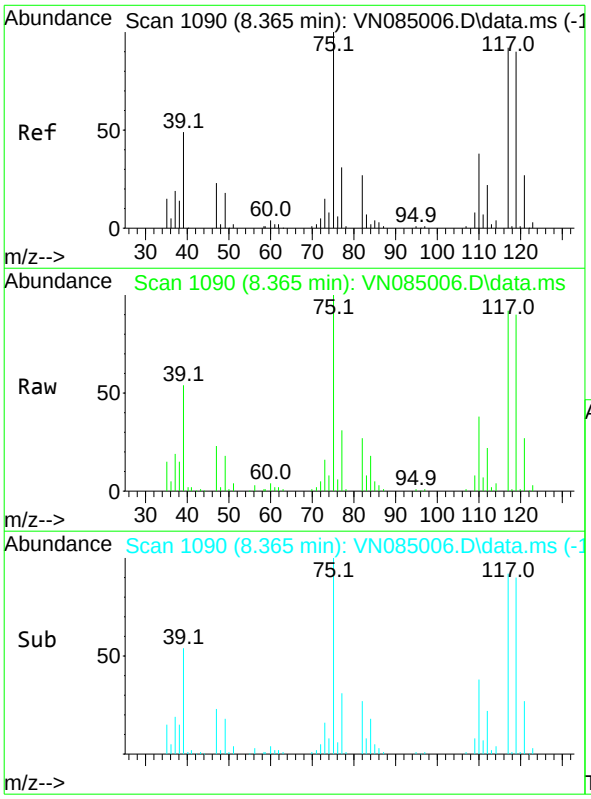
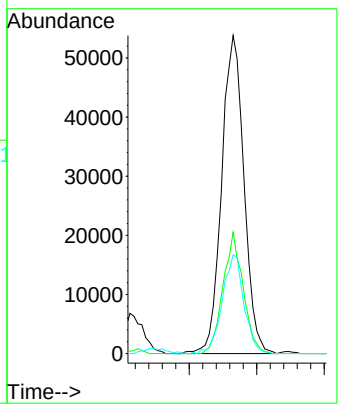
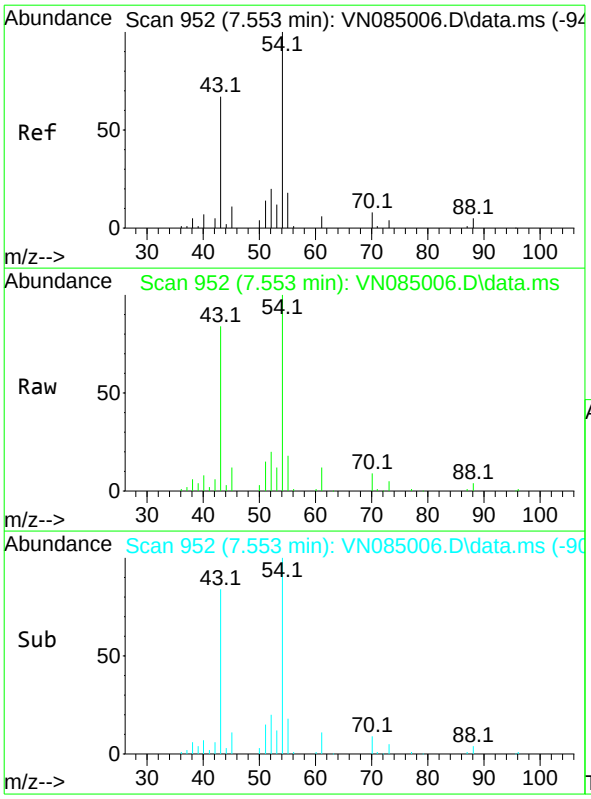


#36
1,1-Dichloropropene
Concen: 49.822 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 75 Resp: 123540

Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.2	51.6
77	30.3	24.2	36.4





#37
Ethyl Acetate
Concen: 48.484 ug/l
RT: 7.553 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 43 Resp: 109296

Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.7	17.5
70	11.6	9.3	13.9

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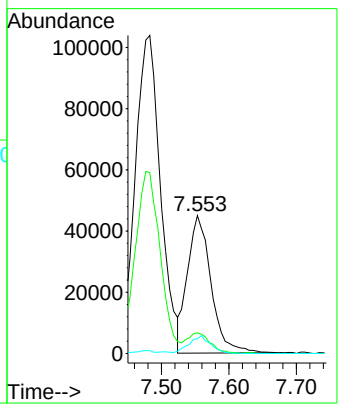
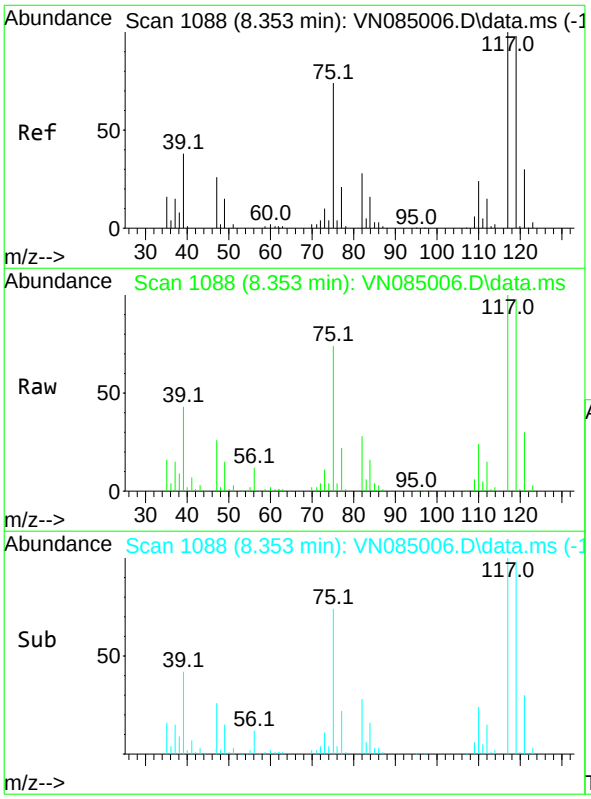
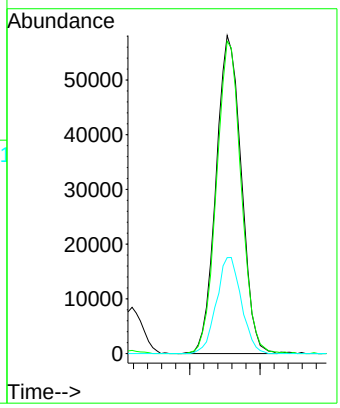


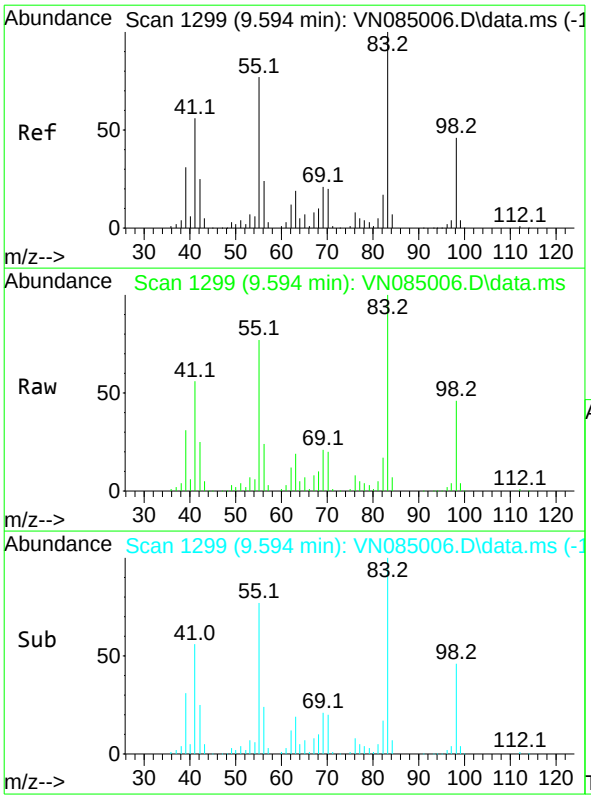


#38
Carbon Tetrachloride
Concen: 50.624 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:117 Resp: 144897

Ion	Ratio	Lower	Upper
117	100		
119	98.2	78.6	117.8
121	30.2	24.2	36.2

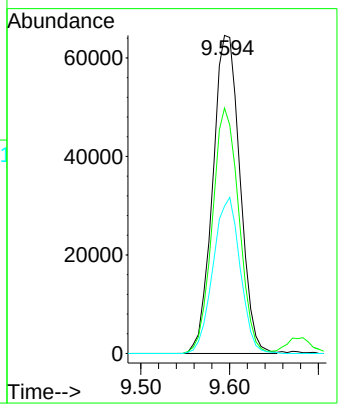




#39
Methylcyclohexane
Concen: 53.395 ug/l
RT: 9.594 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 83 Resp: 137583

Ion	Ratio	Lower	Upper
83	100		
55	77.2	61.8	92.6
98	46.3	37.0	55.6



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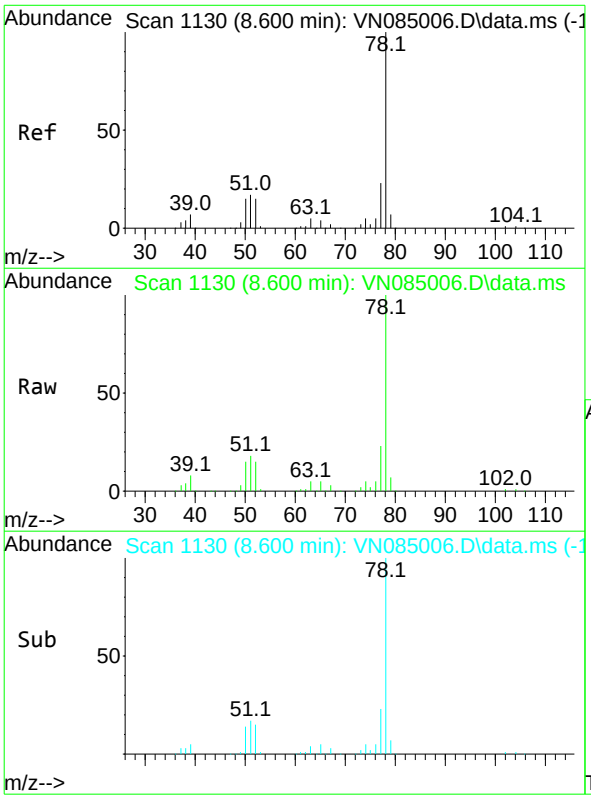
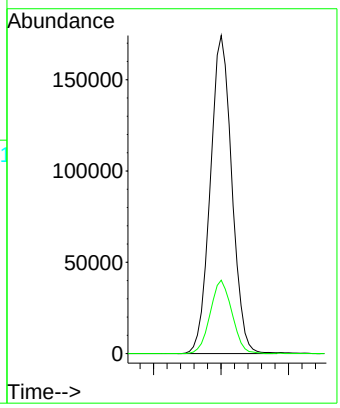
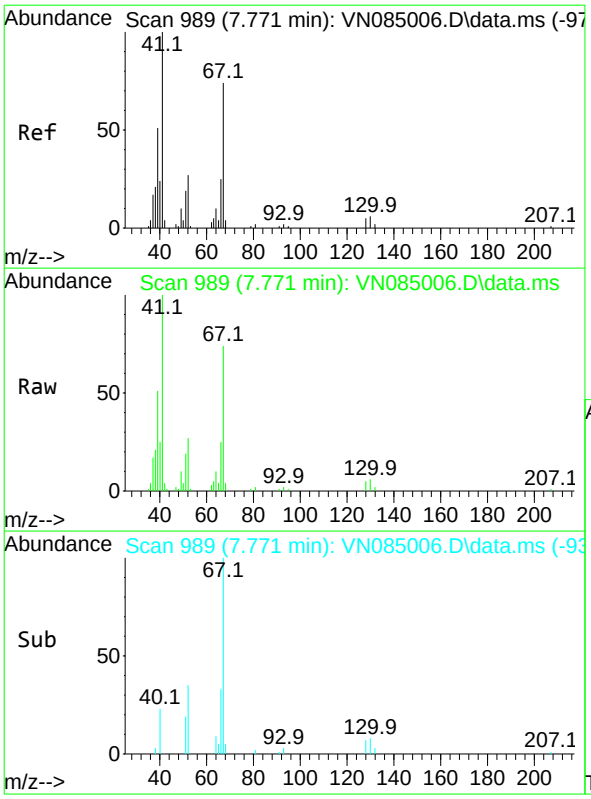


#40
Benzene
Concen: 49.297 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 78 Resp: 386616

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.5	27.7

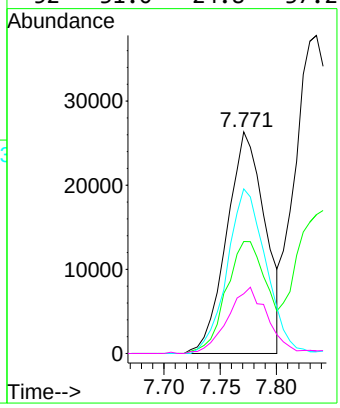




#41
Methacrylonitrile
Concen: 50.102 ug/l
RT: 7.771 min Scan# 98
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 41 Resp: 62534

Ion	Ratio	Lower	Upper
41	100		
39	53.2	42.6	63.8
67	74.9	59.9	89.9
52	31.0	24.8	37.2



Instrument :
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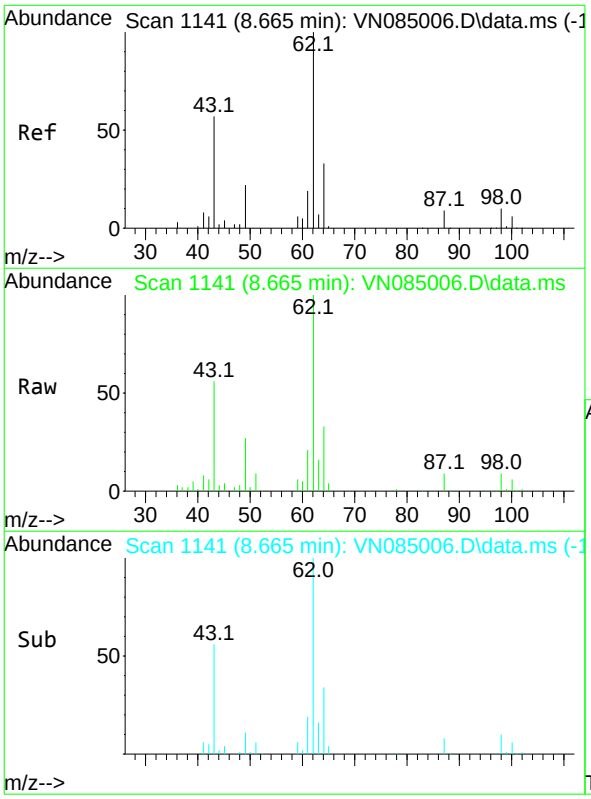
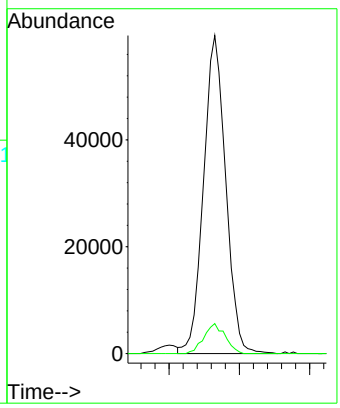
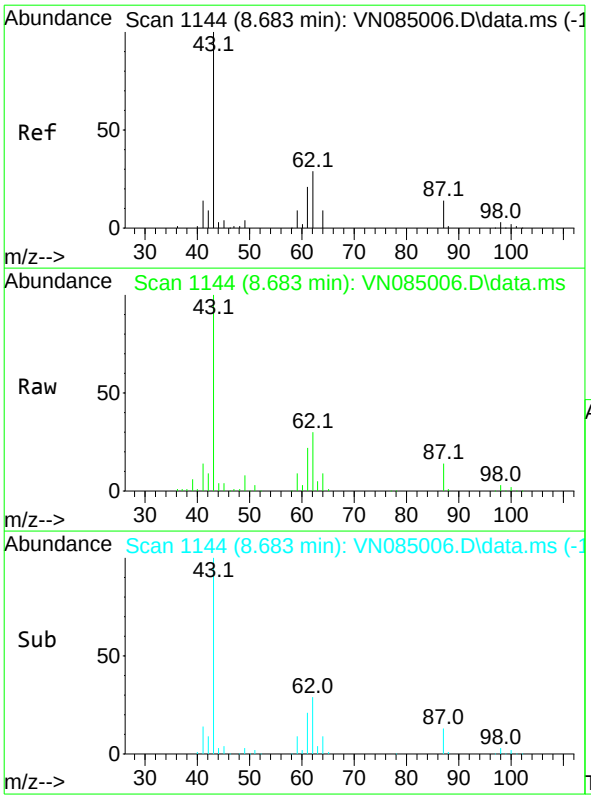


#42
1,2-Dichloroethane
Concen: 48.616 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 62 Resp: 130440

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2

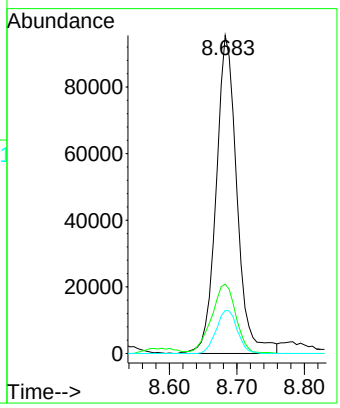




#43
Isopropyl Acetate
Concen: 43.670 ug/l
RT: 8.683 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 43 Resp: 204483

Ion	Ratio	Lower	Upper
43	100		
61	25.7	20.6	30.8
87	13.7	11.0	16.4



Instrument :
MSVOA_N
ClientSampleId :
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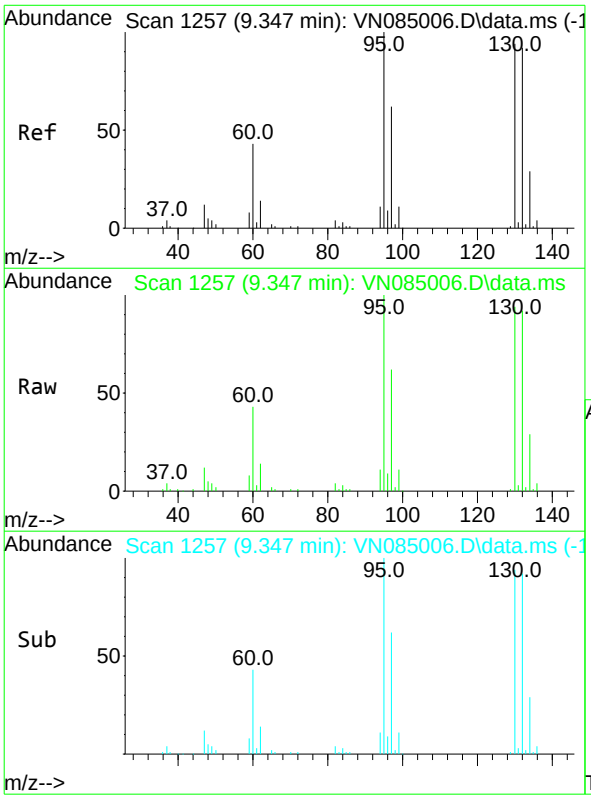
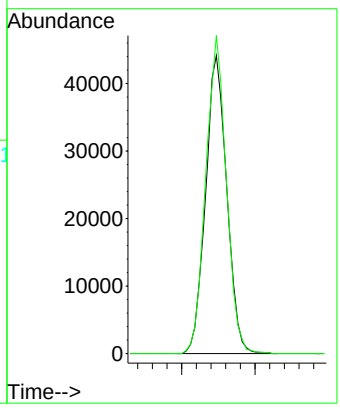
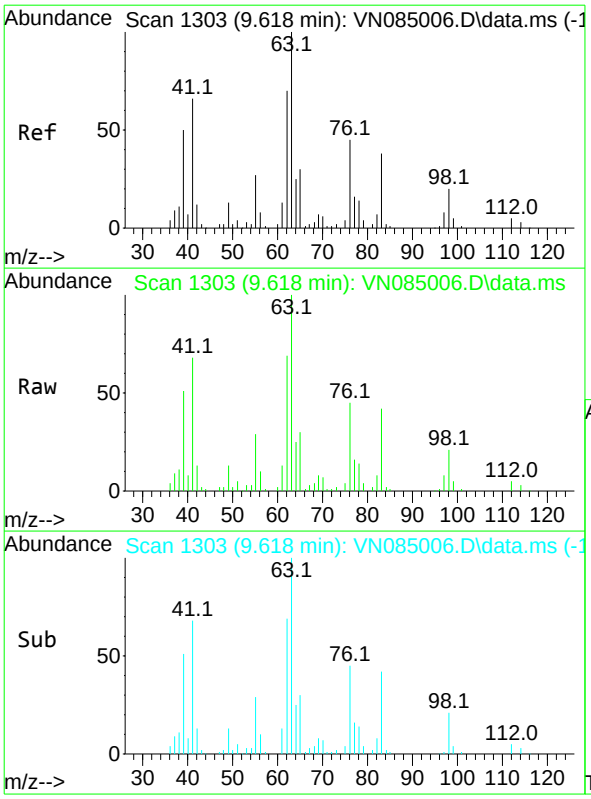


#44
Trichloroethene
Concen: 48.692 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:130 Resp: 88746

Ion	Ratio	Lower	Upper
130	100		
95	106.7	0.0	213.4

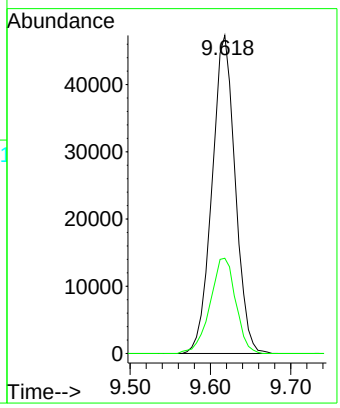




#45
1,2-Dichloropropane
Concen: 49.013 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 63 Resp: 94677

Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.0	36.0



Instrument :
MSVOA_N
ClientSampleId :
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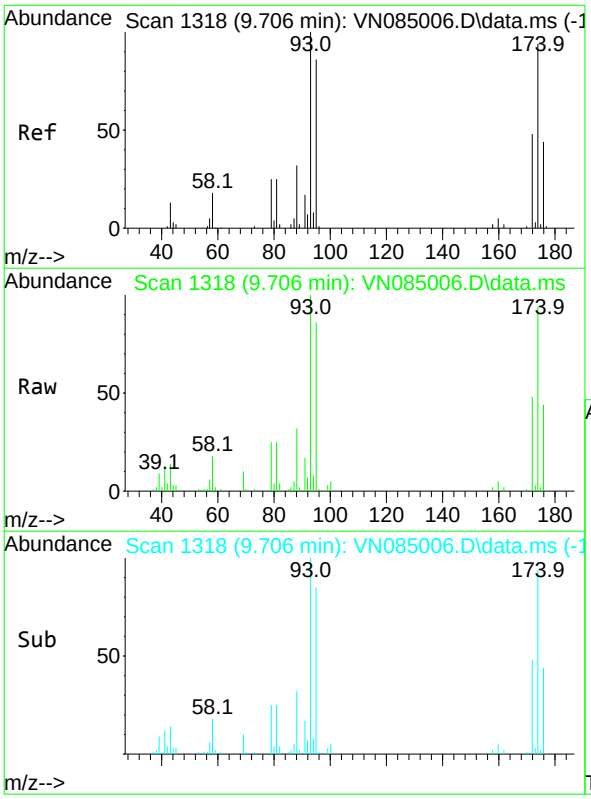
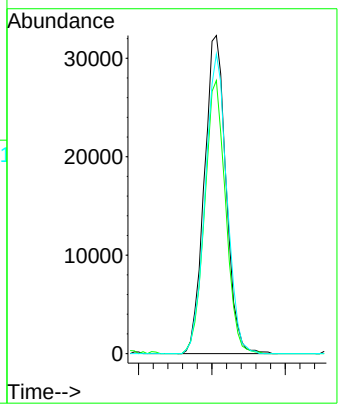
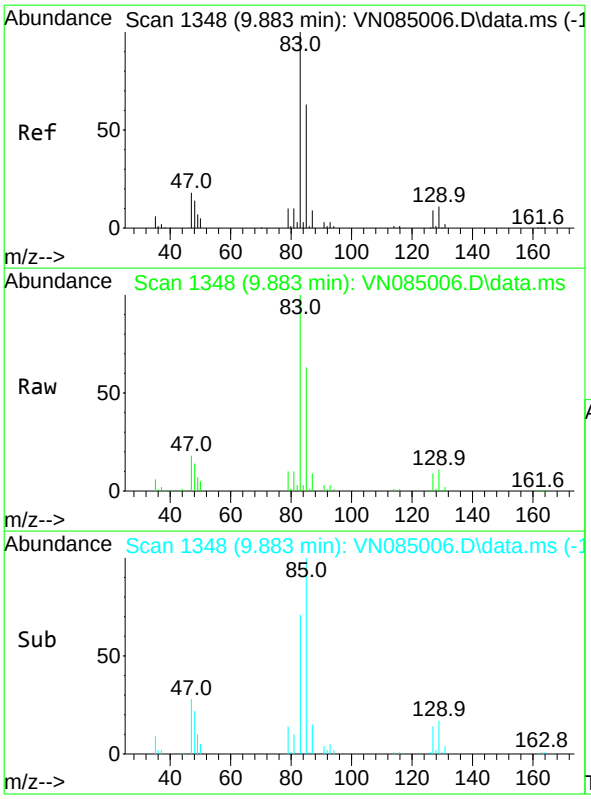


#46
Dibromomethane
Concen: 49.447 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 93 Resp: 66370

Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.2	99.4
174	93.6	74.9	112.3

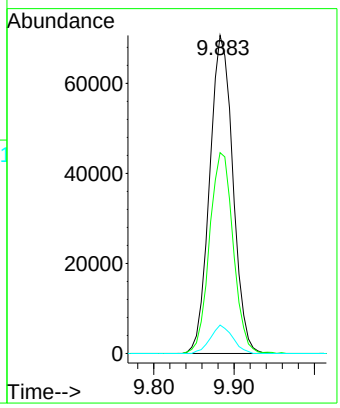




#47
Bromodichloromethane
Concen: 49.849 ug/l
RT: 9.883 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 83 Resp: 141808

Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.5	75.7
127	8.9	7.1	10.7



Instrument :
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ClientSampleId :
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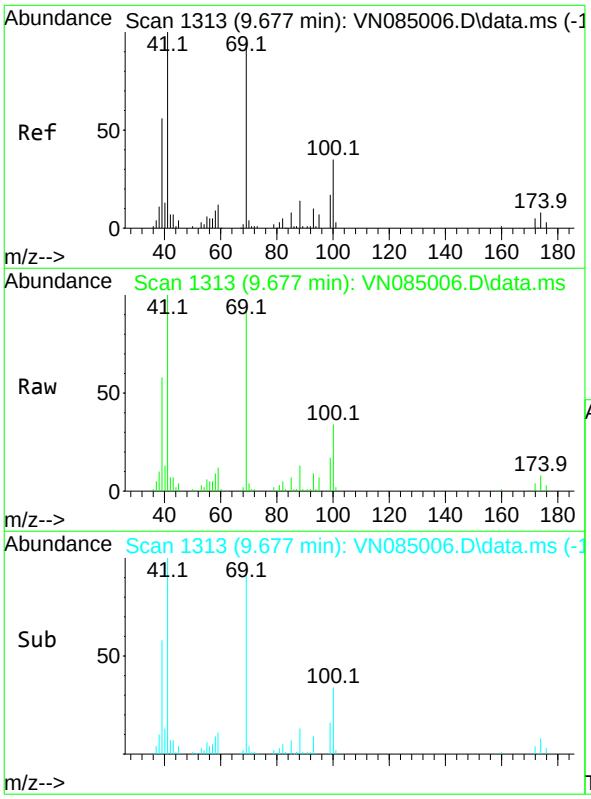
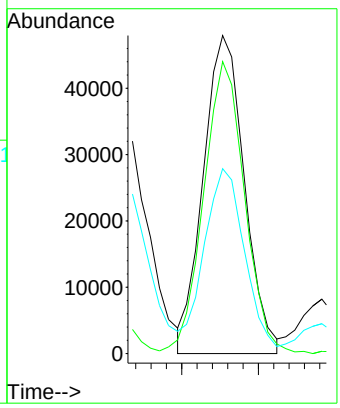
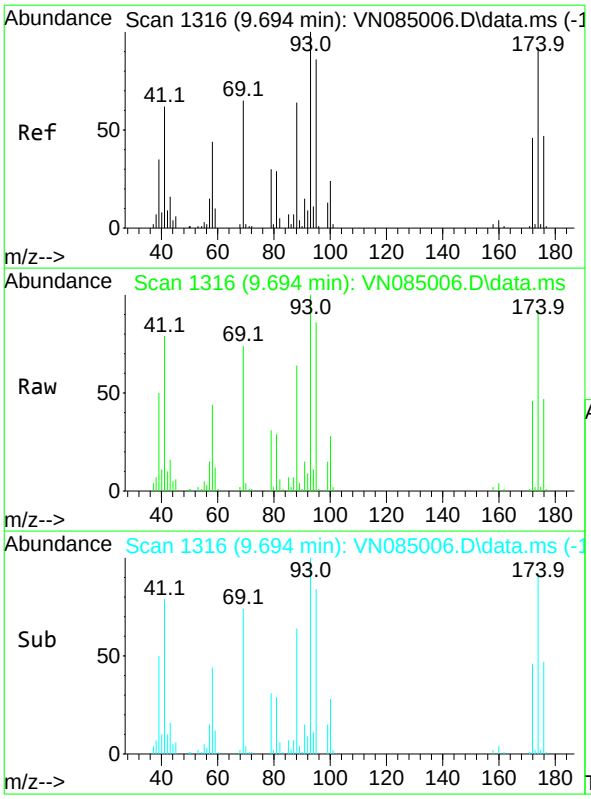


#48
Methyl methacrylate
Concen: 51.193 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 41 Resp: 89202

Ion	Ratio	Lower	Upper
41	100		
69	91.5	73.2	109.8
39	57.8	46.2	69.4

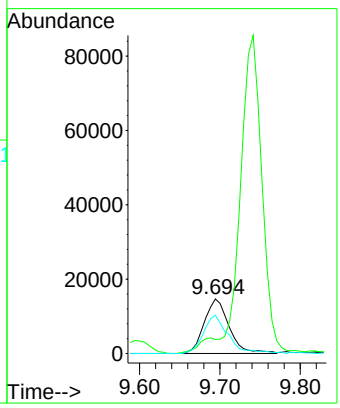




#49
1,4-Dioxane
Concen: 1044.331 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 88 Resp: 31557

Ion	Ratio	Lower	Upper
88	100		
43	20.9	16.7	25.1
58	70.6	56.5	84.7



Instrument :
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ClientSampleId :
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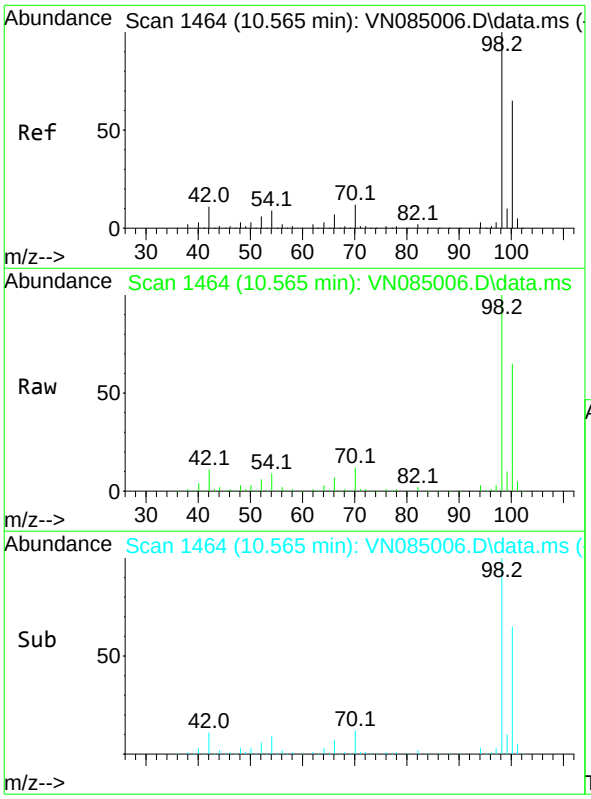
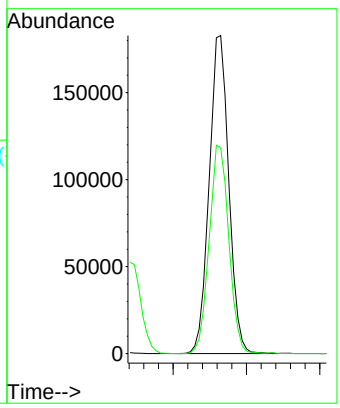
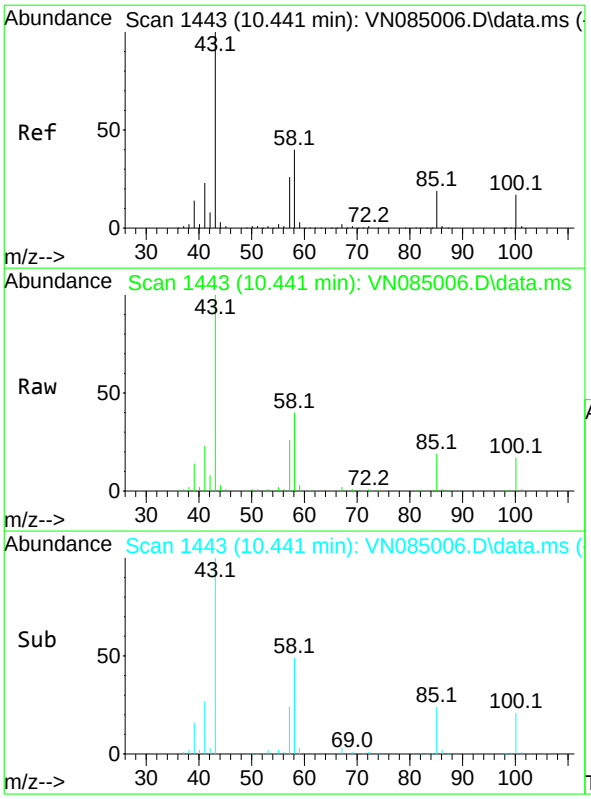


#50
Toluene-d8
Concen: 51.662 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 98 Resp: 338938

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.5	78.7

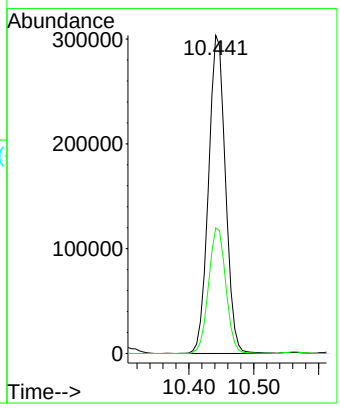




#51
4-Methyl-2-Pentanone
Concen: 257.854 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 43 Resp: 551484

Ion	Ratio	Lower	Upper
43	100		
58	40.1	32.1	48.1



Instrument :
MSVOA_N
ClientSampleId :
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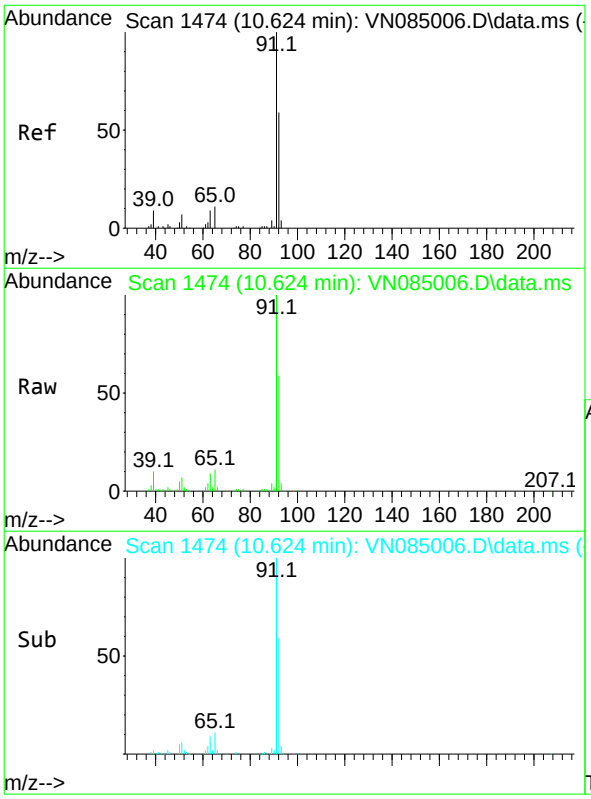
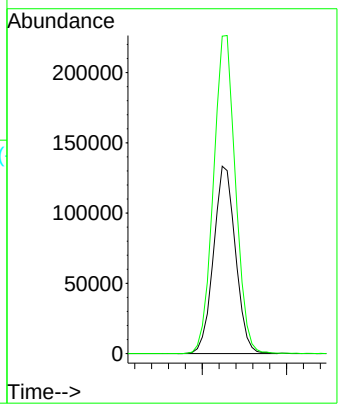
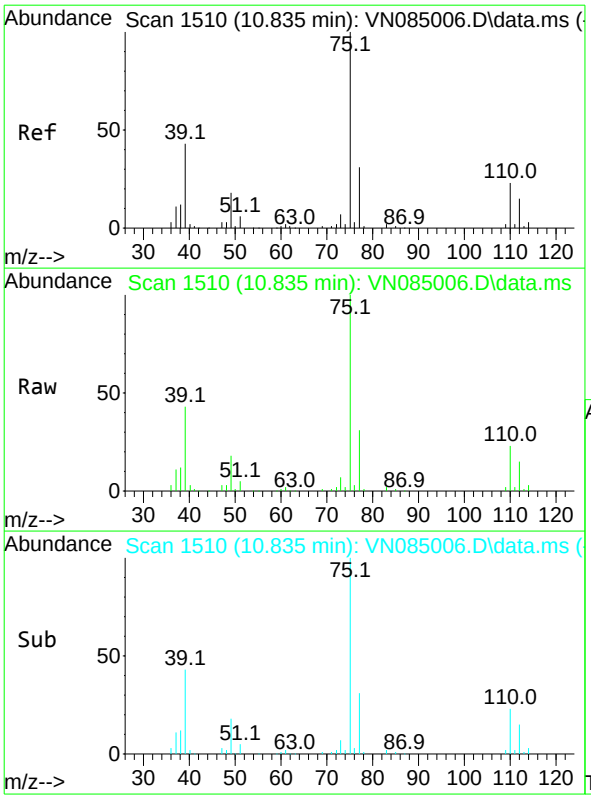


#52
Toluene
Concen: 51.850 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 92 Resp: 240730

Ion	Ratio	Lower	Upper
92	100		
91	170.9	136.7	205.1

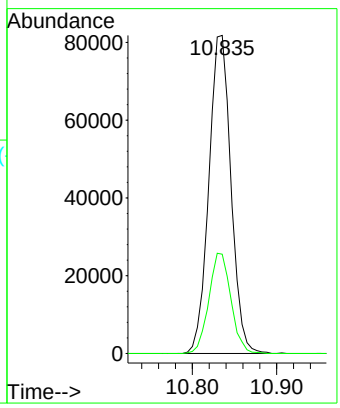




#53
t-1,3-Dichloropropene
Concen: 52.241 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 75 Resp: 148995

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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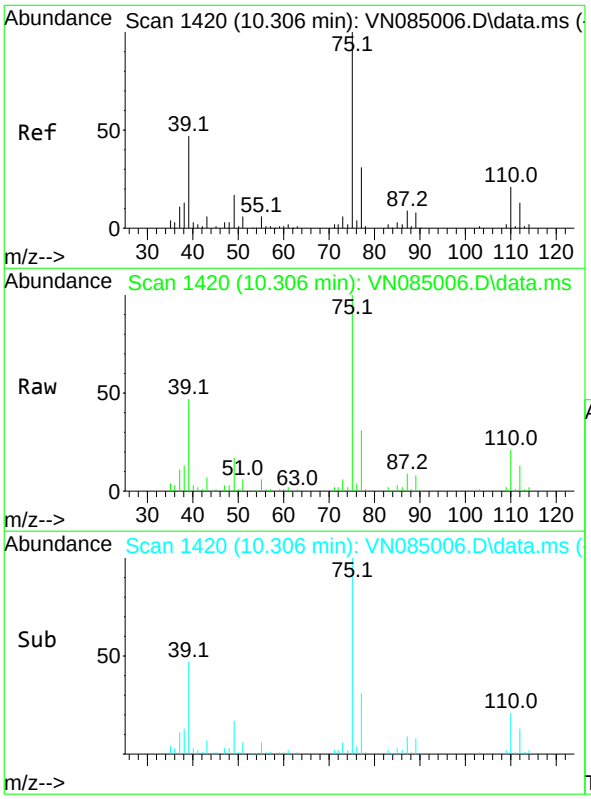
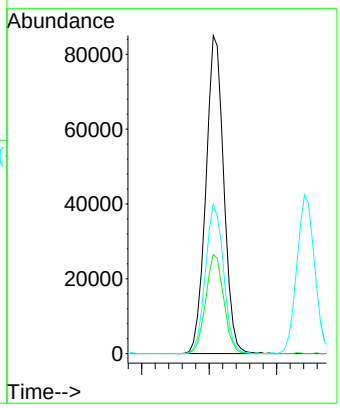
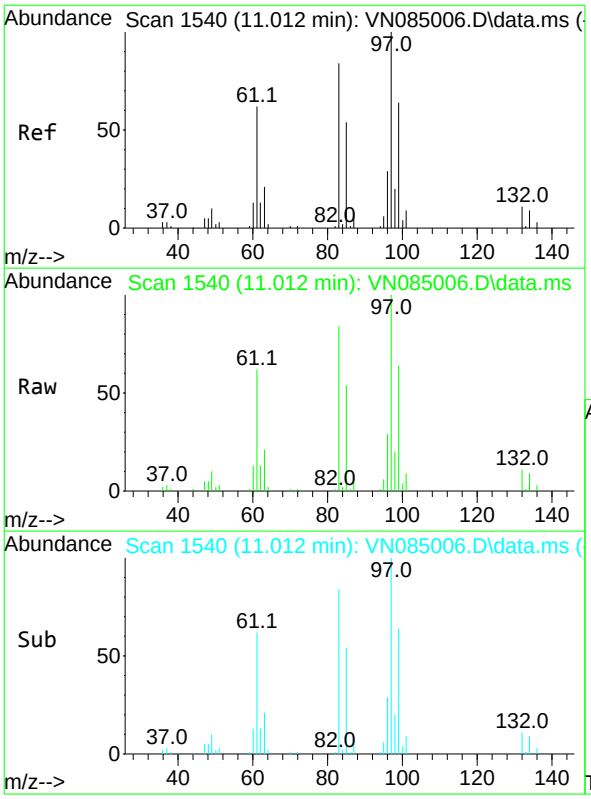


#54
cis-1,3-Dichloropropene
Concen: 51.671 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 75 Resp: 156342

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4
39	47.0	37.6	56.4

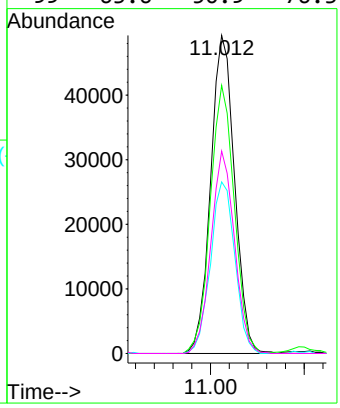




#55
1,1,2-Trichloroethane
Concen: 50.501 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 97 Resp: 87334

Ion	Ratio	Lower	Upper
97	100		
83	84.3	67.4	101.2
85	53.9	43.1	64.7
99	63.6	50.9	76.3



Instrument :
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ClientSampleId :
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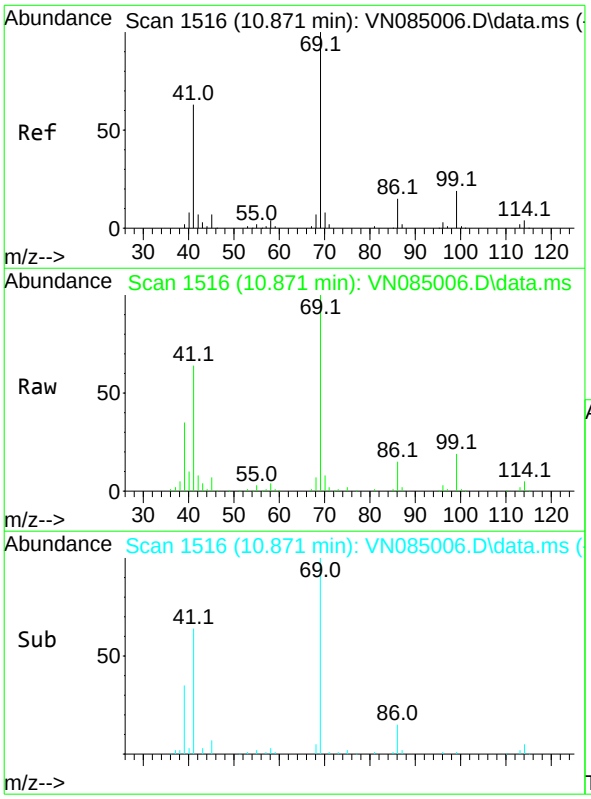
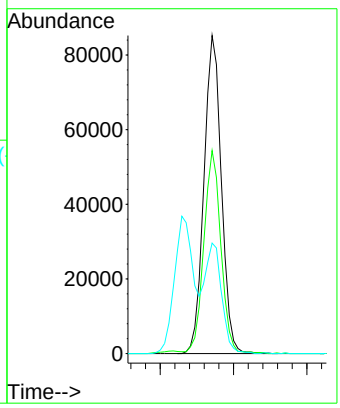
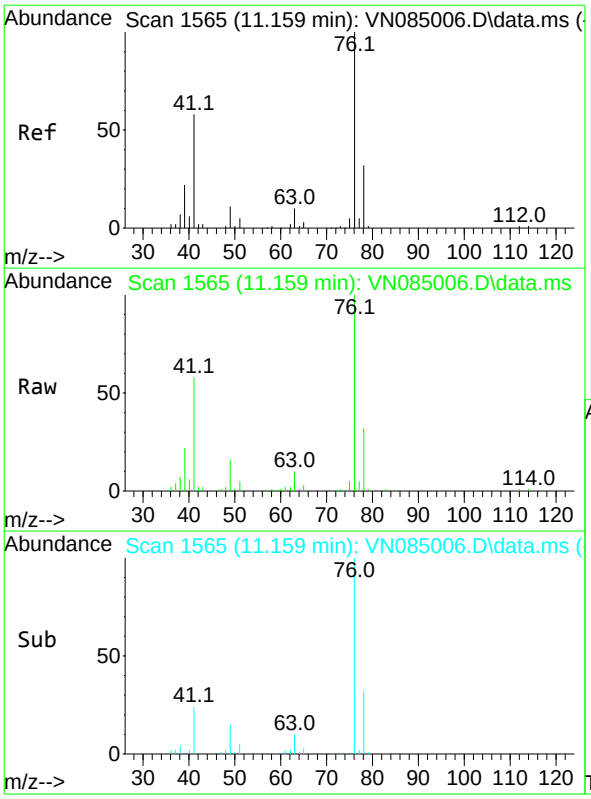


#56
Ethyl methacrylate
Concen: 55.617 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 69 Resp: 140546

Ion	Ratio	Lower	Upper
69	100		
41	62.5	50.0	75.0
39	33.8	27.0	40.6

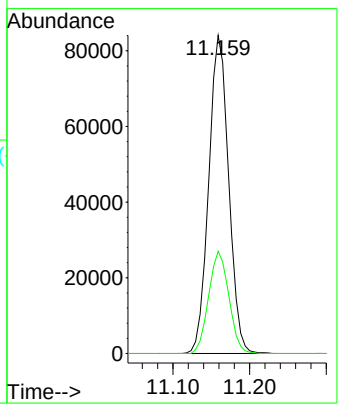




#57
1,3-Dichloropropane
Concen: 49.800 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 76 Resp: 151573

Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.1	39.1



Instrument :
MSVOA_N
ClientSampleId :
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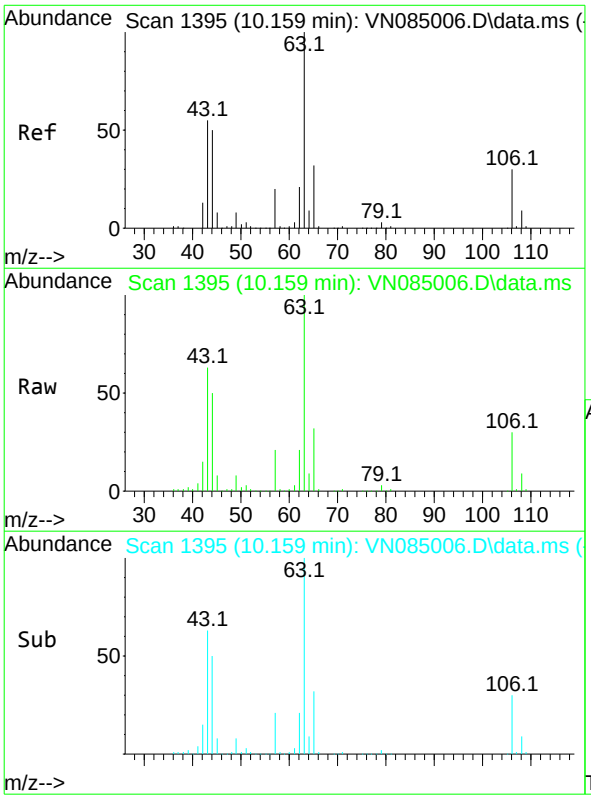
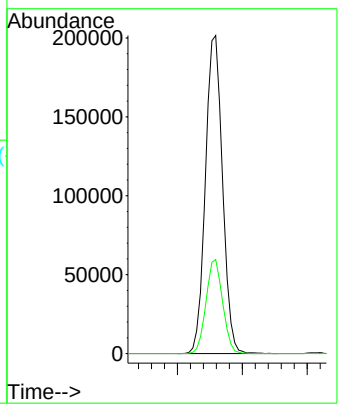
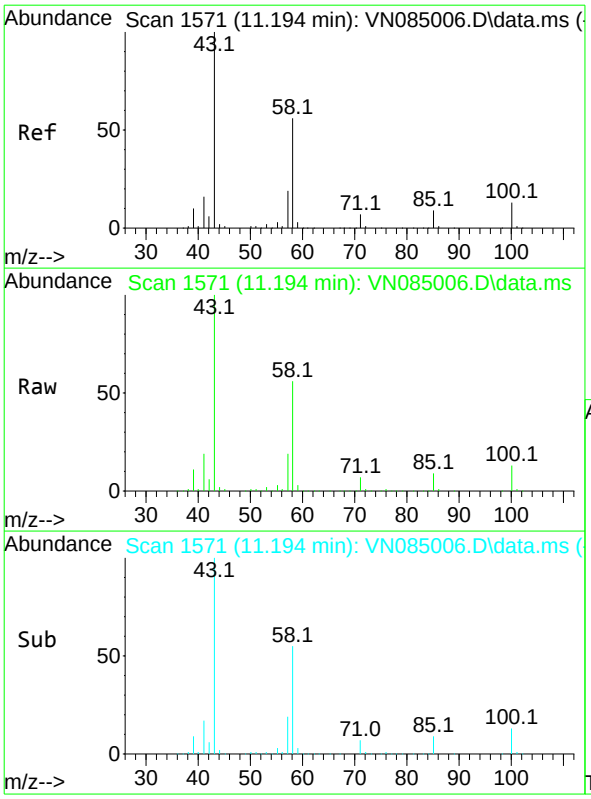


#58
2-Chloroethyl Vinyl ether
Concen: 297.030 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 63 Resp: 368190

Ion	Ratio	Lower	Upper
63	100		
106	28.8	23.0	34.6

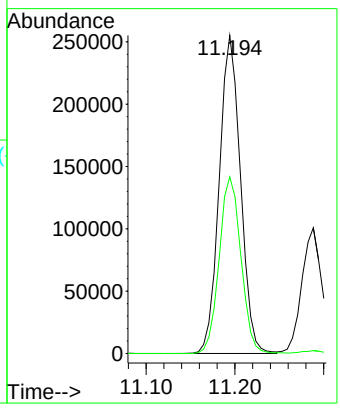




#59
2-Hexanone
Concen: 265.165 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 43 Resp: 424152

Ion	Ratio	Lower	Upper
43	100		
58	56.7	28.3	85.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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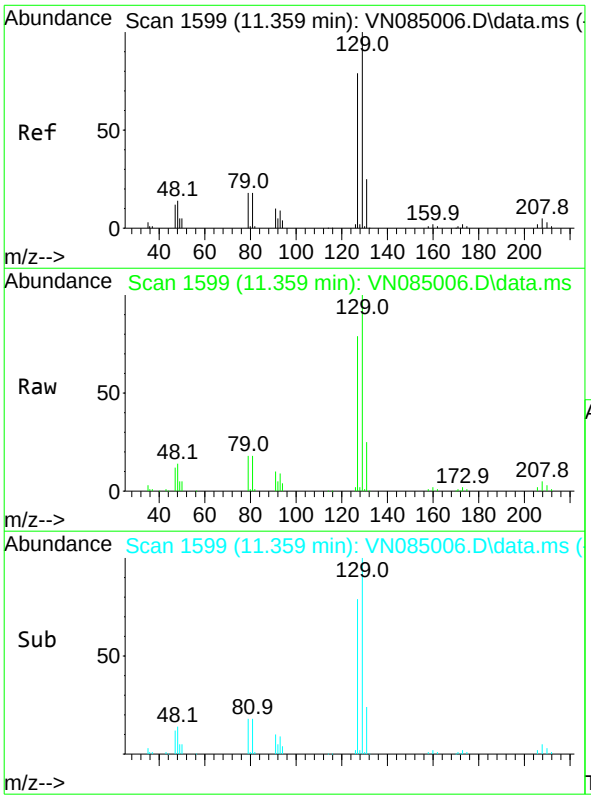
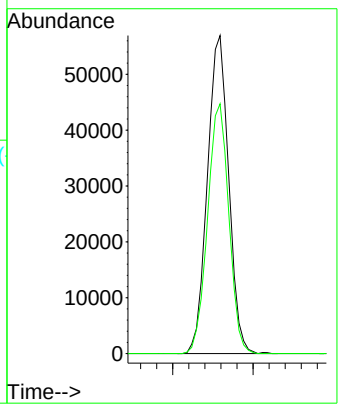
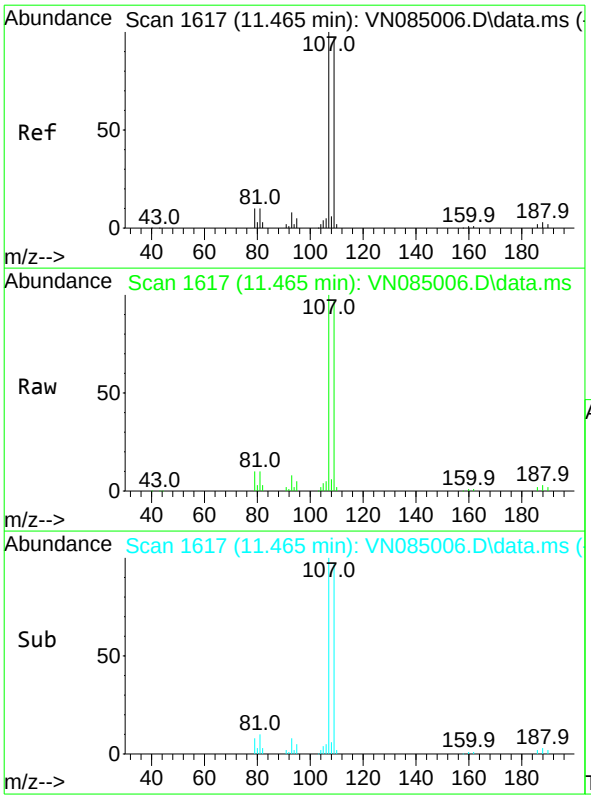


#60
Dibromochloromethane
Concen: 49.538 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:129 Resp: 104699

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.2	117.6

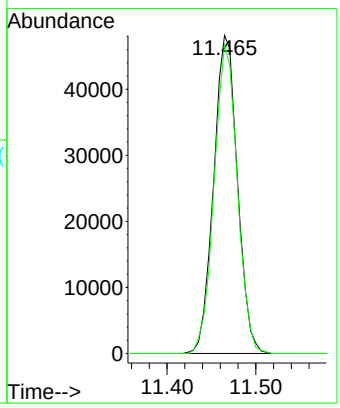




#61
1,2-Dibromoethane
Concen: 49.991 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:107 Resp: 89471

Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.1	114.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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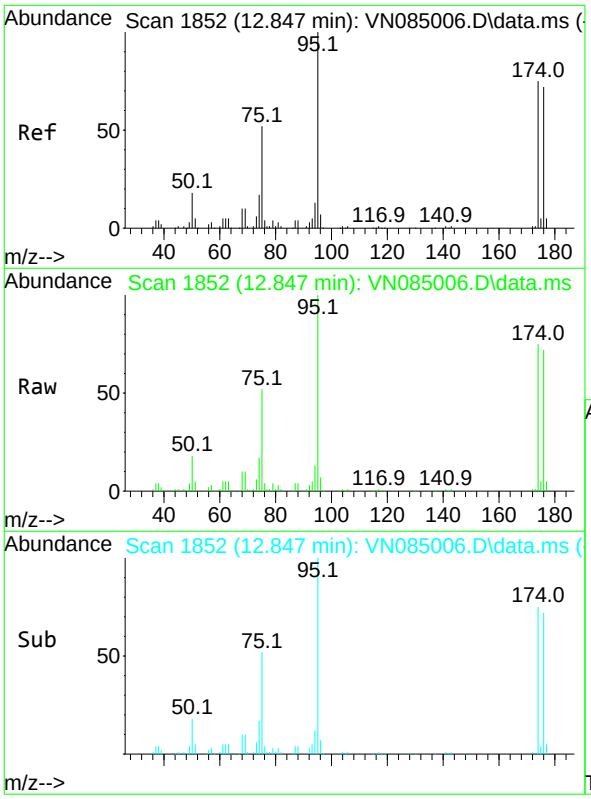
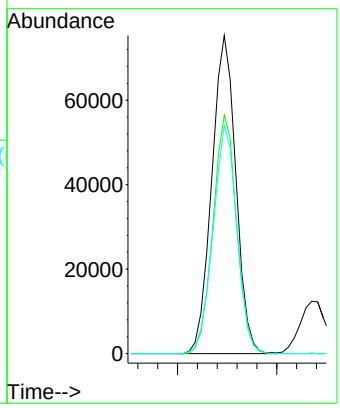
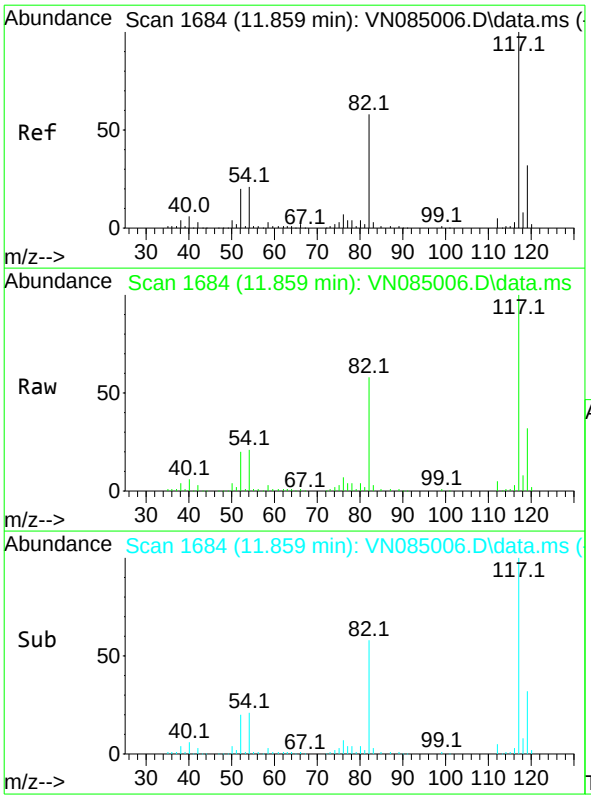


#62
4-Bromofluorobenzene
Concen: 51.698 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 95 Resp: 126840

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	146.6
176	70.9	0.0	141.8

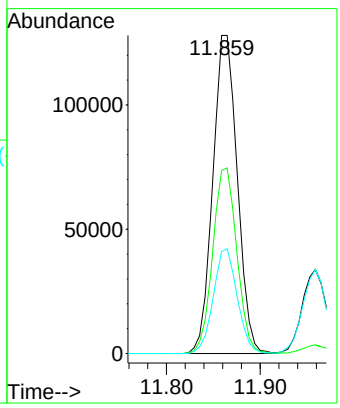




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:117 Resp: 232158

Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.0	69.0
119	32.0	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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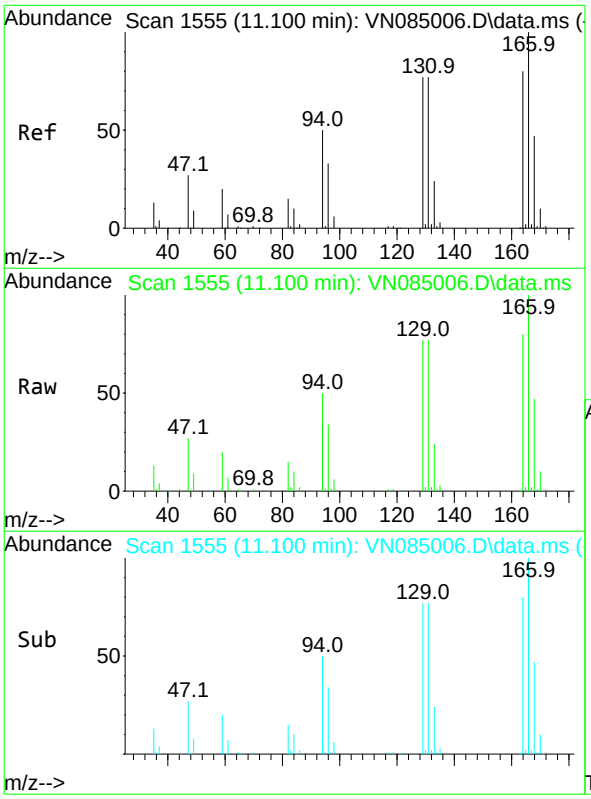
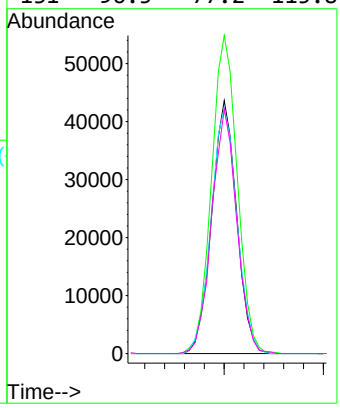
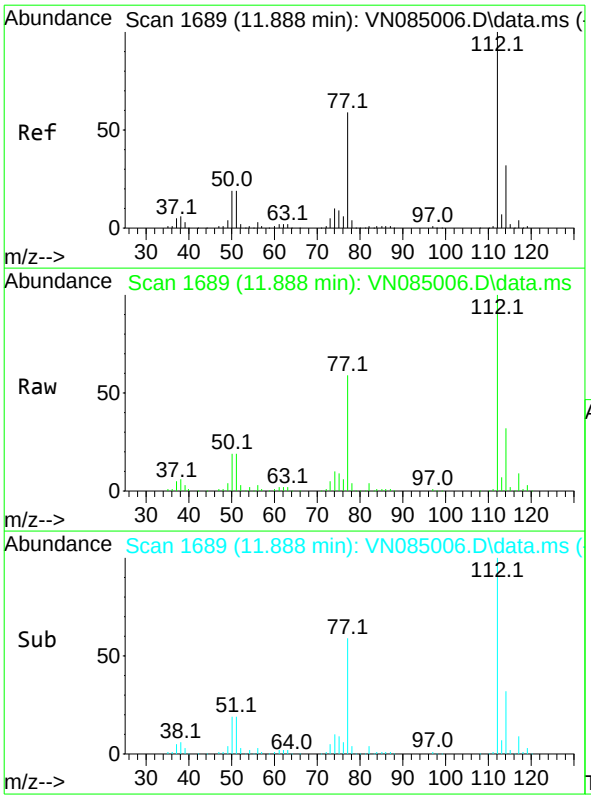


#64
Tetrachloroethene
Concen: 48.747 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:164 Resp: 76257

Ion	Ratio	Lower	Upper
164	100		
166	125.8	100.6	151.0
129	97.1	77.7	116.5
131	96.5	77.2	115.8

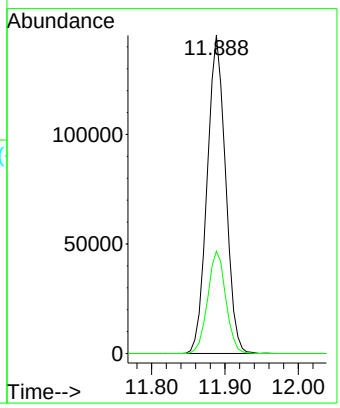




#65
Chlorobenzene
Concen: 48.041 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:112 Resp: 252937

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
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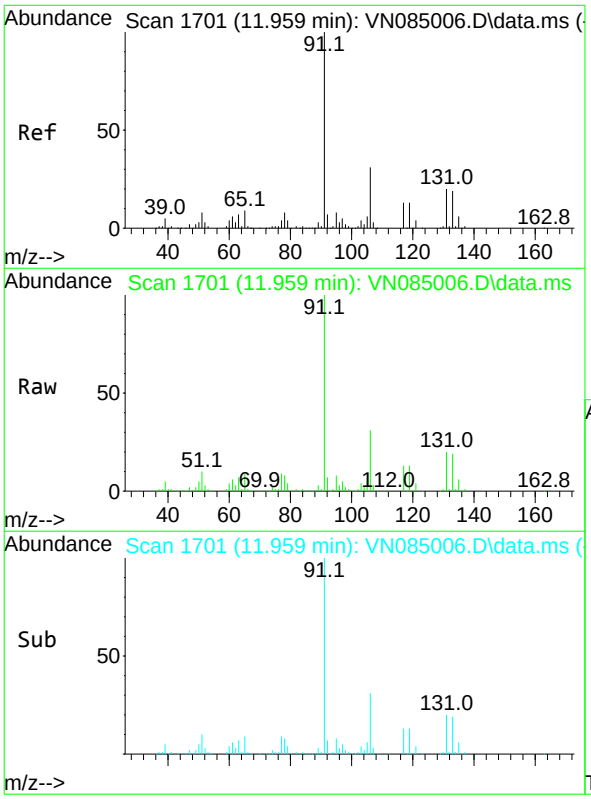
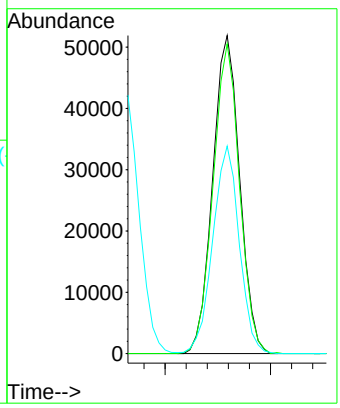
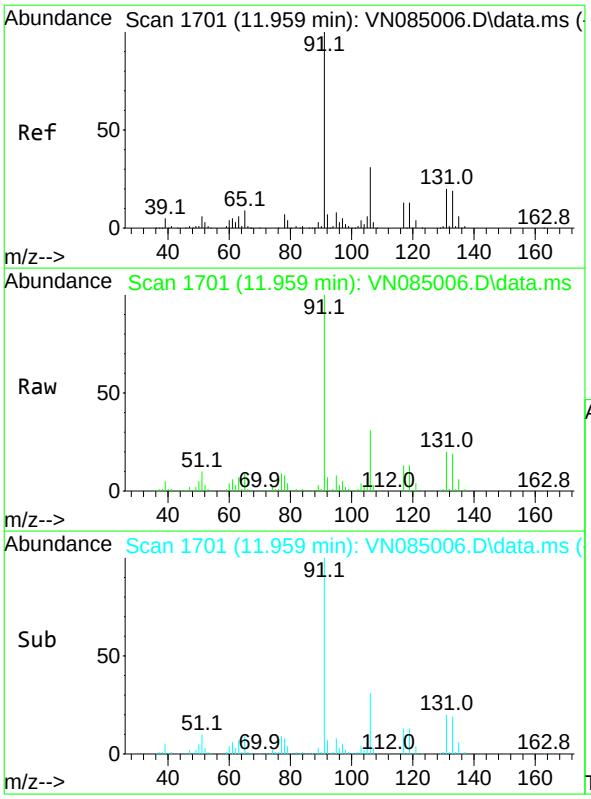


#66
1,1,1,2-Tetrachloroethane
Concen: 49.785 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:131 Resp: 92289

Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.8	143.4
119	64.2	32.1	96.3

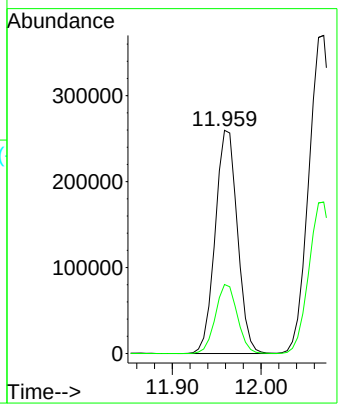




#67
Ethyl Benzene
Concen: 52.856 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 91 Resp: 451491

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.7	37.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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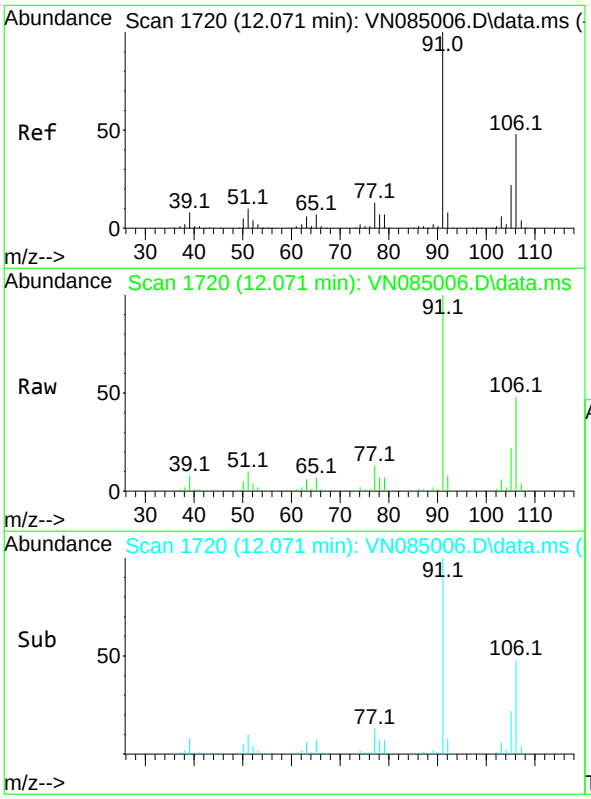
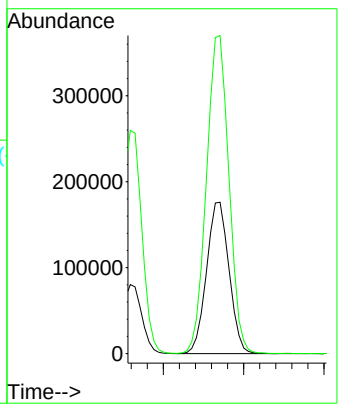
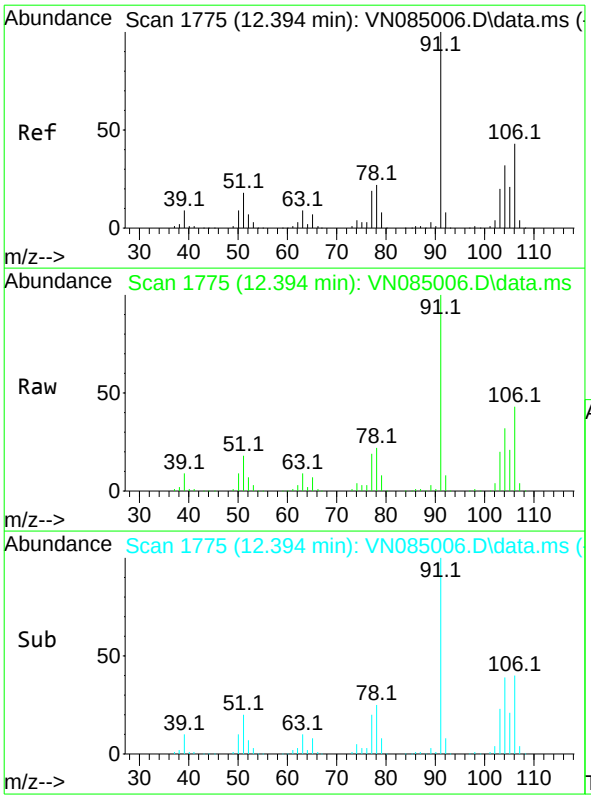


#68
m/p-Xylenes
Concen: 105.174 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:106 Resp: 342033

Ion	Ratio	Lower	Upper
106	100		
91	210.0	168.0	252.0

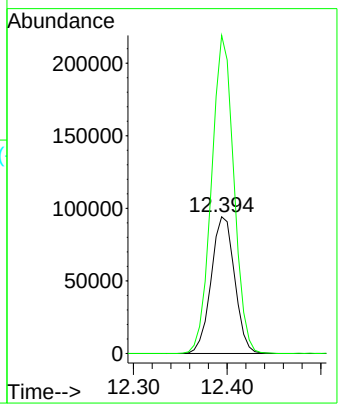




#69
o-Xylene
Concen: 53.059 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:106 Resp: 164137

Ion	Ratio	Lower	Upper
106	100		
91	221.3	110.7	331.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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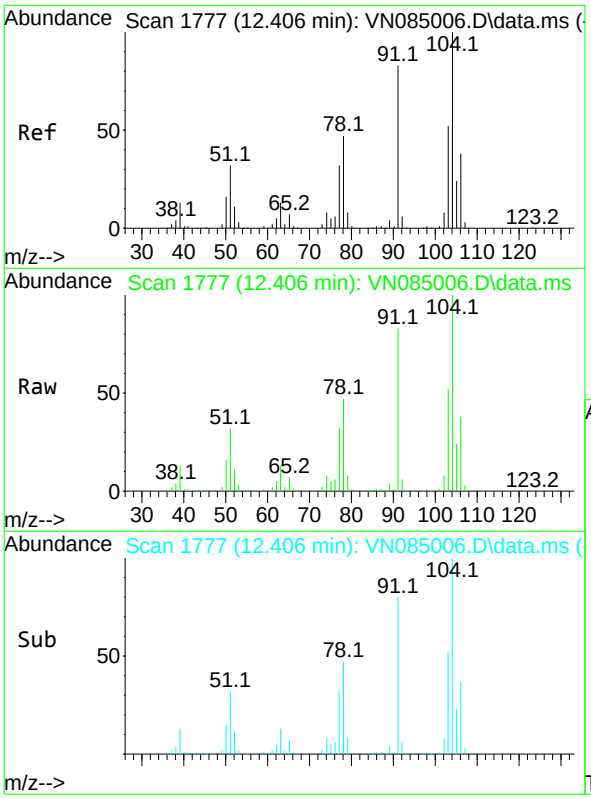
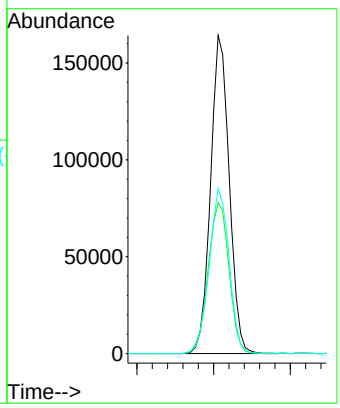
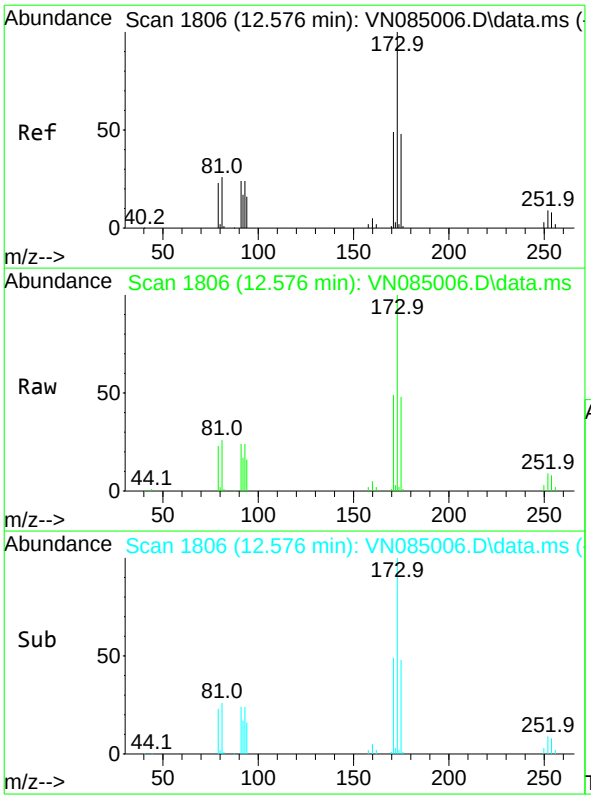


#70
Styrene
Concen: 53.912 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:104 Resp: 277349

Ion	Ratio	Lower	Upper
104	100		
78	52.9	42.3	63.5
103	55.2	44.2	66.2

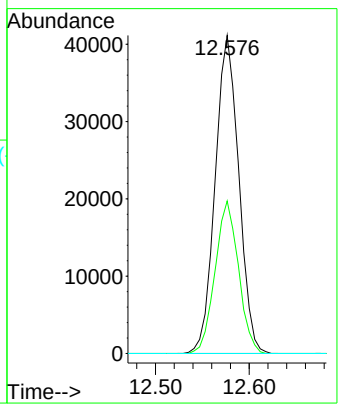




#71
Bromoform
Concen: 52.221 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:173 Resp: 71858

Ion	Ratio	Lower	Upper
173	100		
175	47.5	23.8	71.2
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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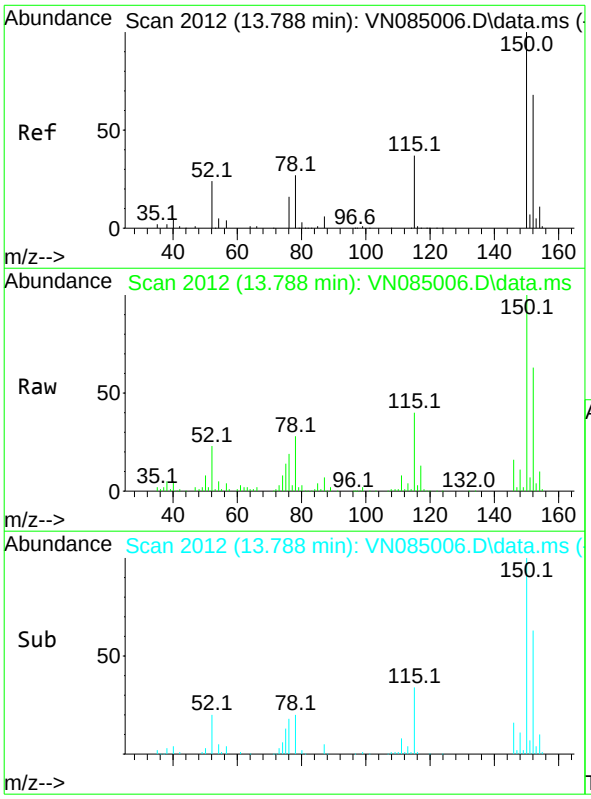
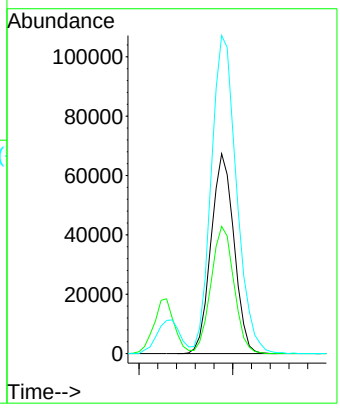
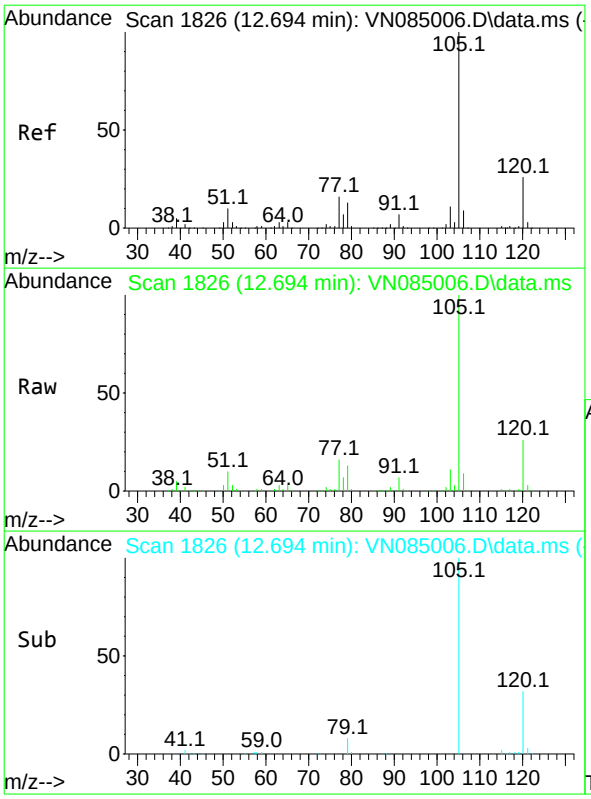


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:152 Resp: 114469

Ion	Ratio	Lower	Upper
152	100		
115	63.4	31.7	95.1
150	175.7	0.0	351.4

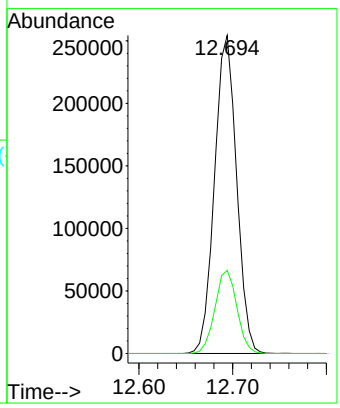




#73
Isopropylbenzene
Concen: 51.479 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:105 Resp: 415716

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	39.0



Instrument :
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ClientSampleId :
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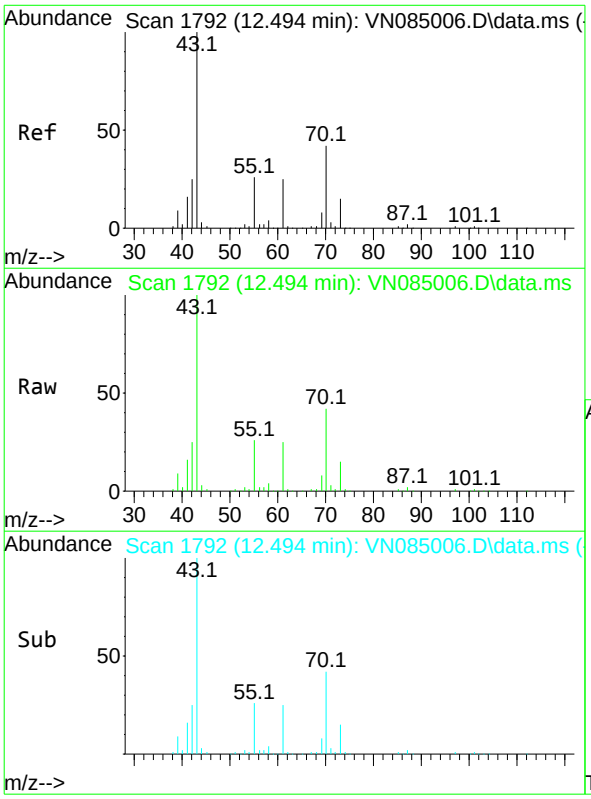
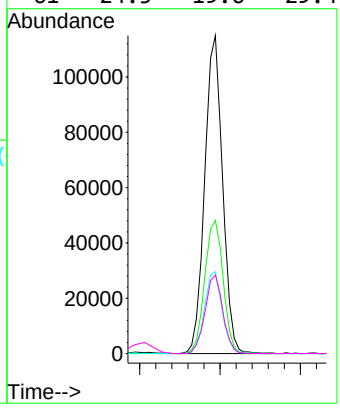
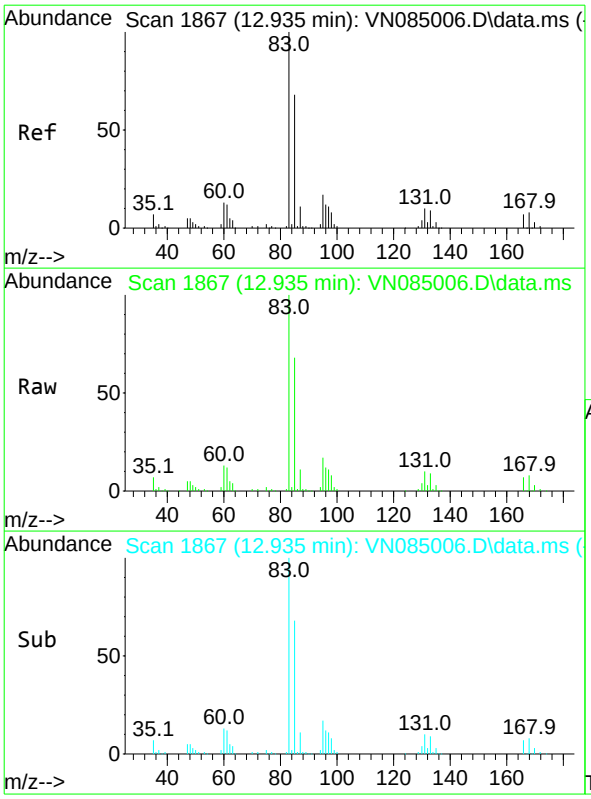


#74
N-amyl acetate
Concen: 53.396 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 43 Resp: 177685

Ion	Ratio	Lower	Upper
43	100		
70	43.2	34.6	51.8
55	25.6	20.5	30.7
61	24.5	19.6	29.4

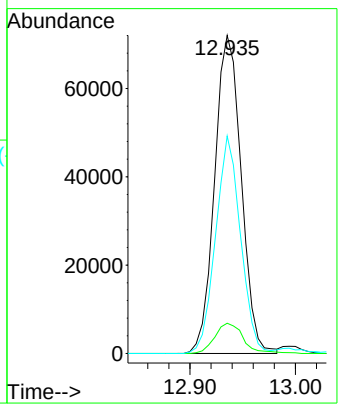




#75
1,1,2,2-Tetrachloroethane
Concen: 45.771 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 83 Resp: 126215

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.4
85	64.2	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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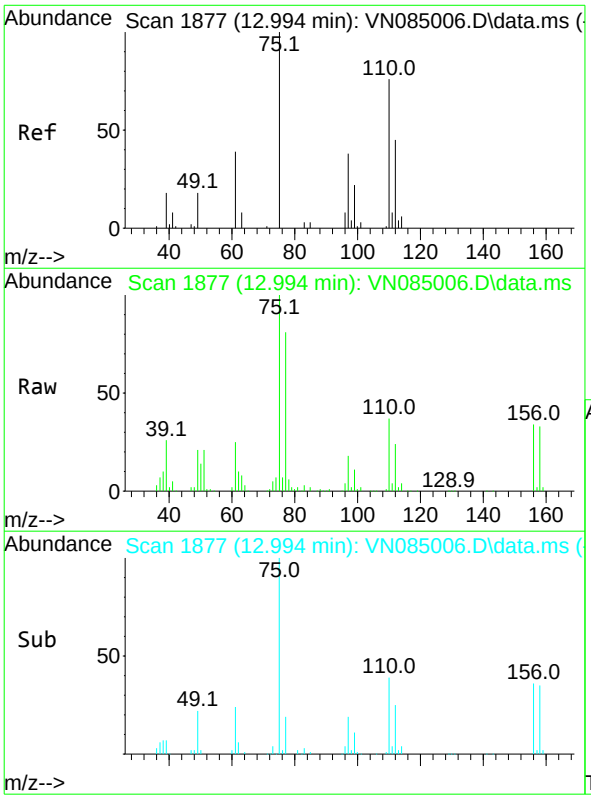
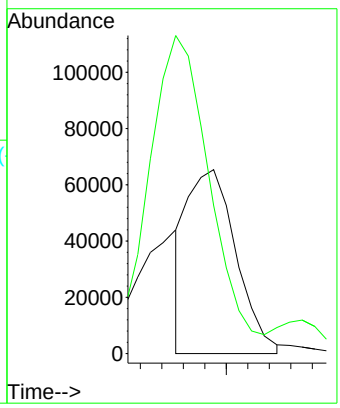
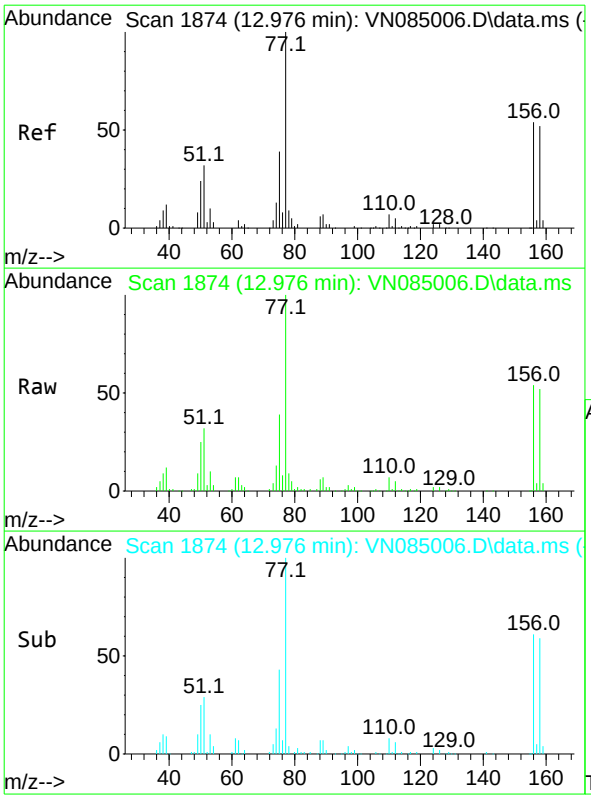


#76
1,2,3-Trichloropropane
Concen: 48.246 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 75 Resp: 103311

Ion	Ratio	Lower	Upper
75	100		
77	218.3	109.1	327.4

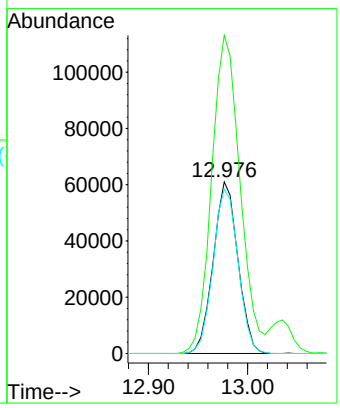




#77
Bromobenzene
Concen: 48.402 ug/l
RT: 12.976 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:156 Resp: 105184

Ion	Ratio	Lower	Upper
156	100		
77	214.4	107.2	321.6
158	97.1	48.5	145.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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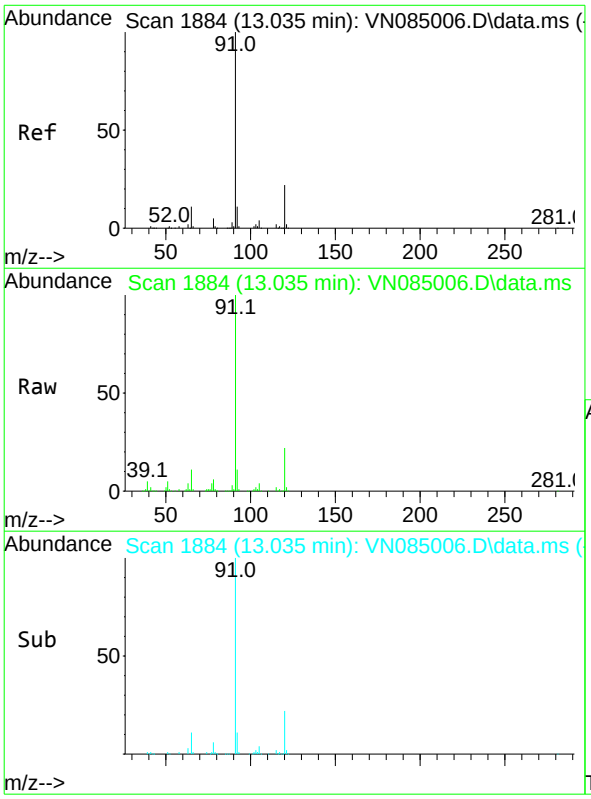
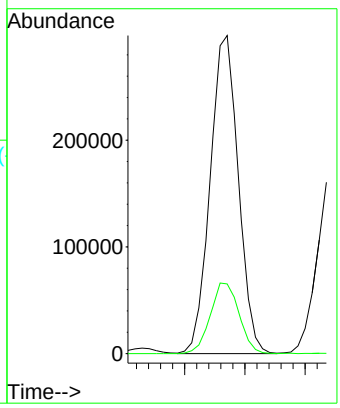
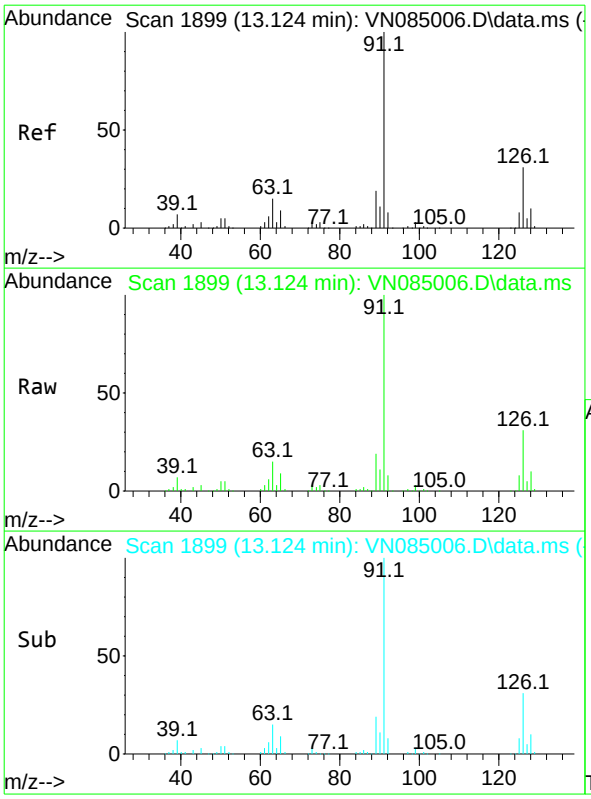


#78
n-propylbenzene
Concen: 52.059 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 91 Resp: 484892

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.3	33.9

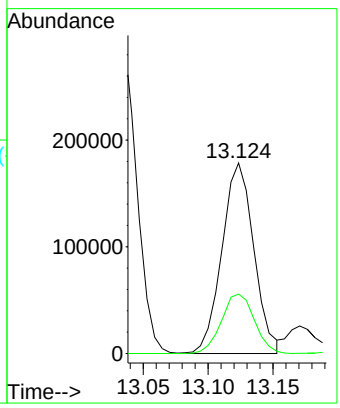




#79
2-Chlorotoluene
Concen: 49.174 ug/l
RT: 13.124 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 91 Resp: 305747

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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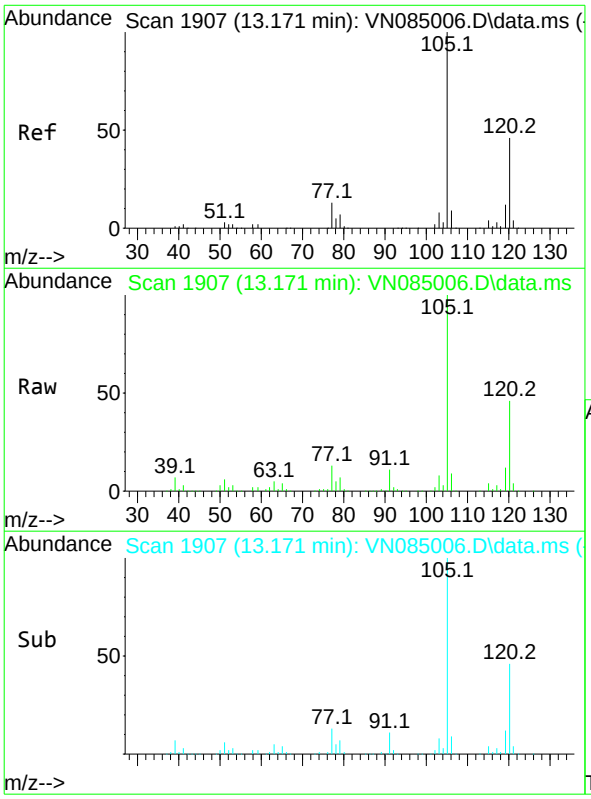
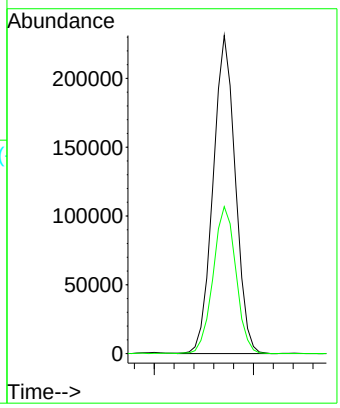
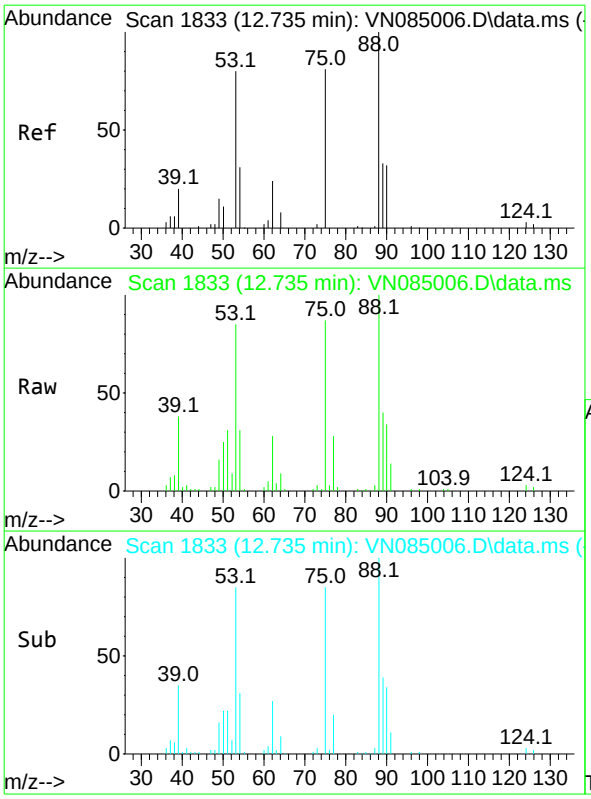


#80
1,3,5-Trimethylbenzene
Concen: 53.145 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:105 Resp: 360125

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.6	71.0

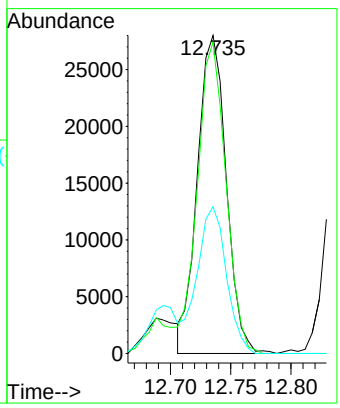




#81
trans-1,4-Dichloro-2-butene
Concen: 50.990 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 75 Resp: 46724

Ion	Ratio	Lower	Upper
75	100		
53	97.8	78.2	117.4
89	47.4	37.9	56.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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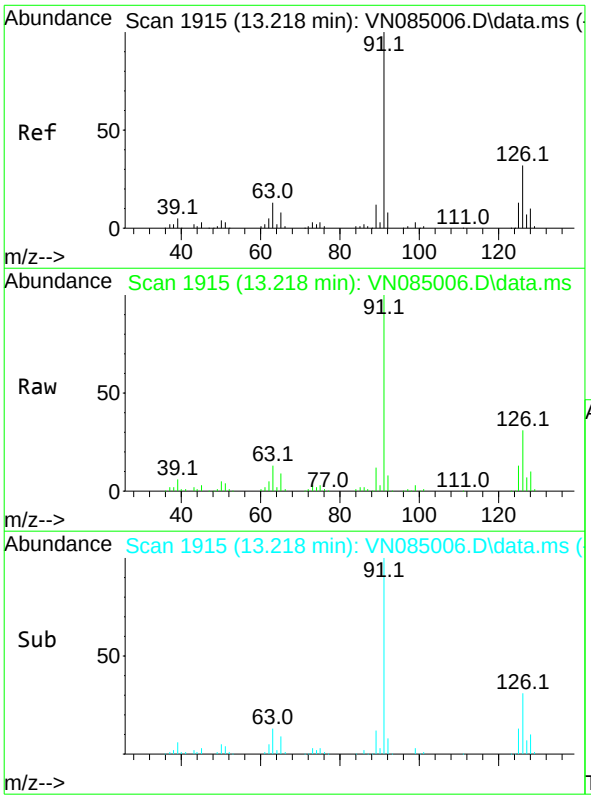
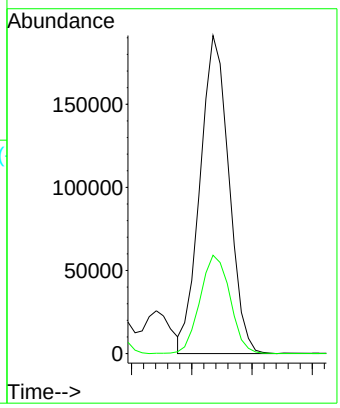
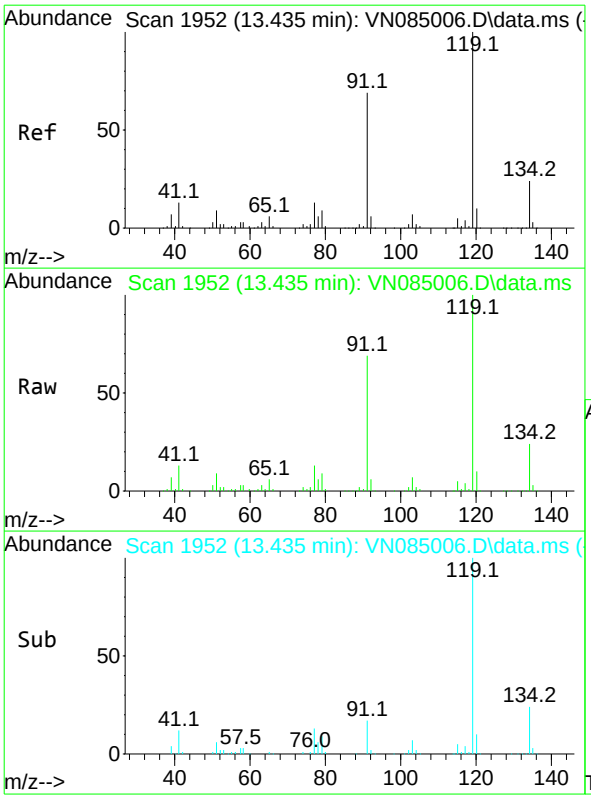


#82
4-Chlorotoluene
Concen: 49.063 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 91 Resp: 317569

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.3

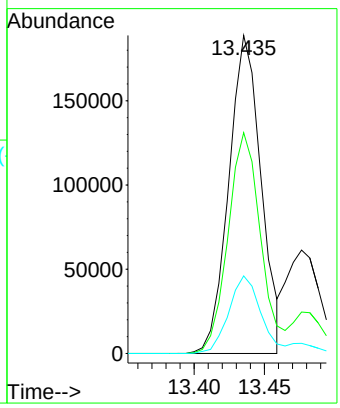




#83
tert-Butylbenzene
Concen: 51.657 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:119 Resp: 301180

Ion	Ratio	Lower	Upper
119	100		
91	70.3	35.1	105.5
134	24.2	12.1	36.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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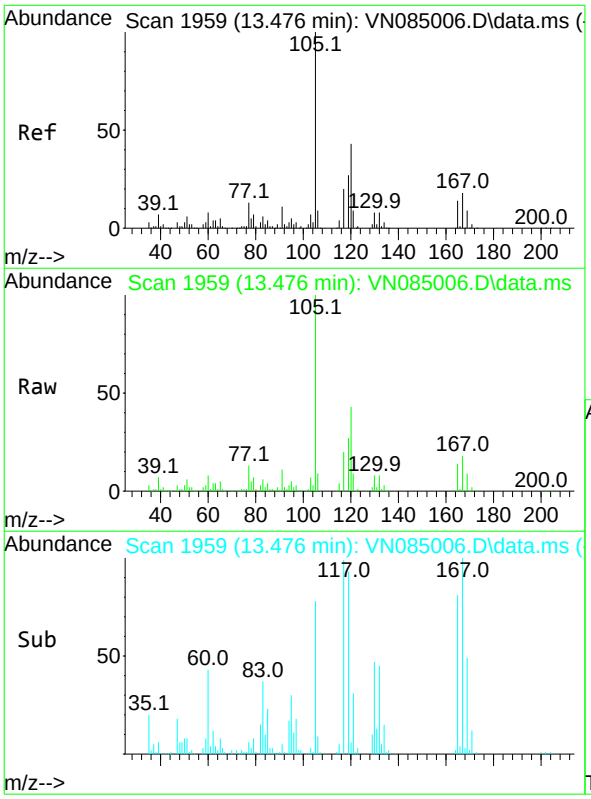
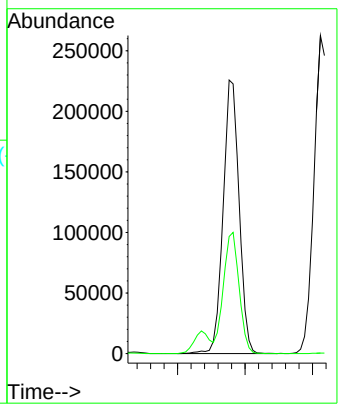
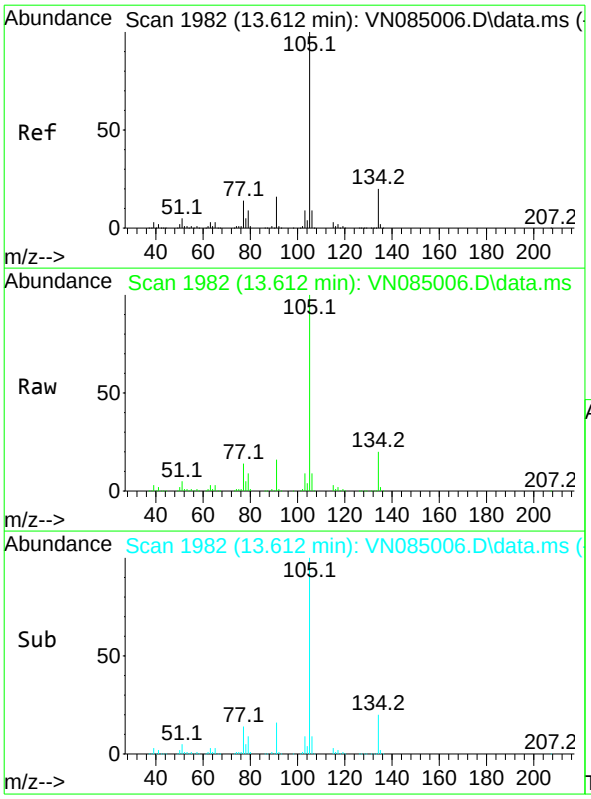


#84
1,2,4-Trimethylbenzene
Concen: 53.195 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:105 Resp: 371046

Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.8	65.4

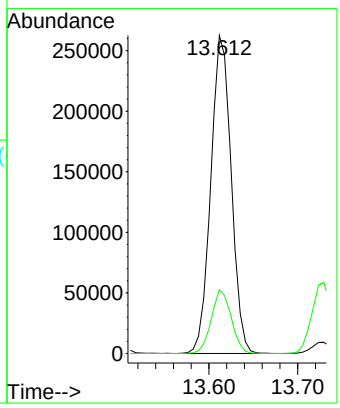




#85
sec-Butylbenzene
Concen: 53.296 ug/l
RT: 13.612 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:105 Resp: 419761

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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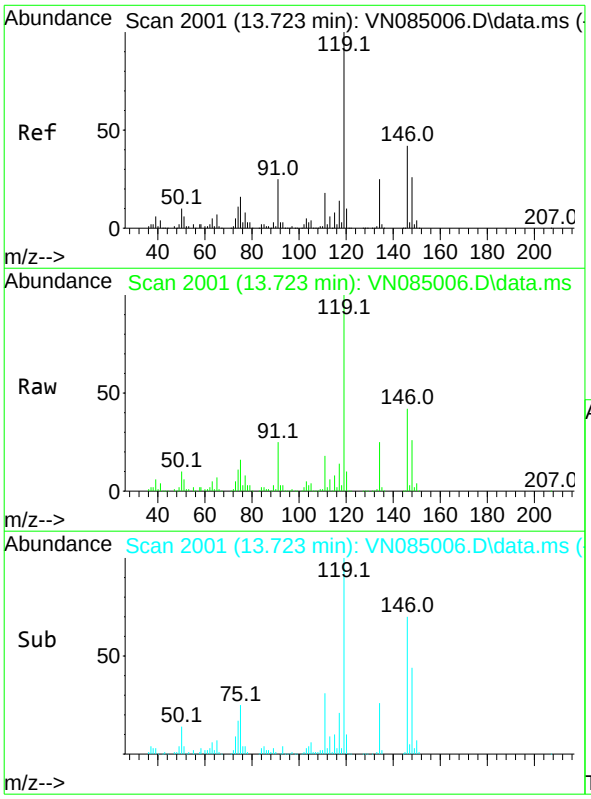
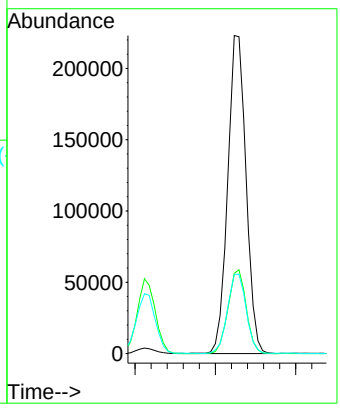
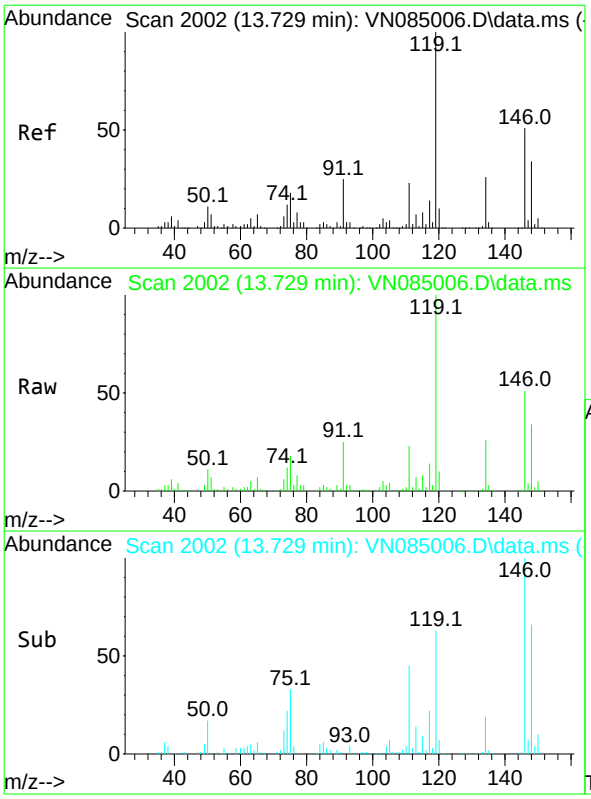


#86
p-Isopropyltoluene
Concen: 54.443 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:119 Resp: 353974

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	39.0
91	25.6	12.8	38.4

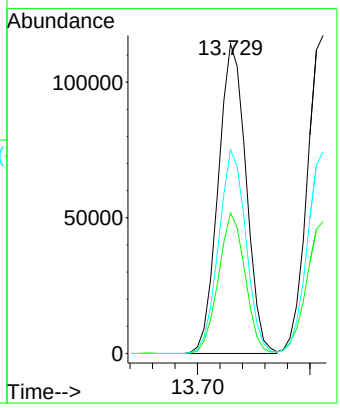




#87
1,3-Dichlorobenzene
Concen: 45.855 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:146 Resp: 196552

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	65.0
148	64.4	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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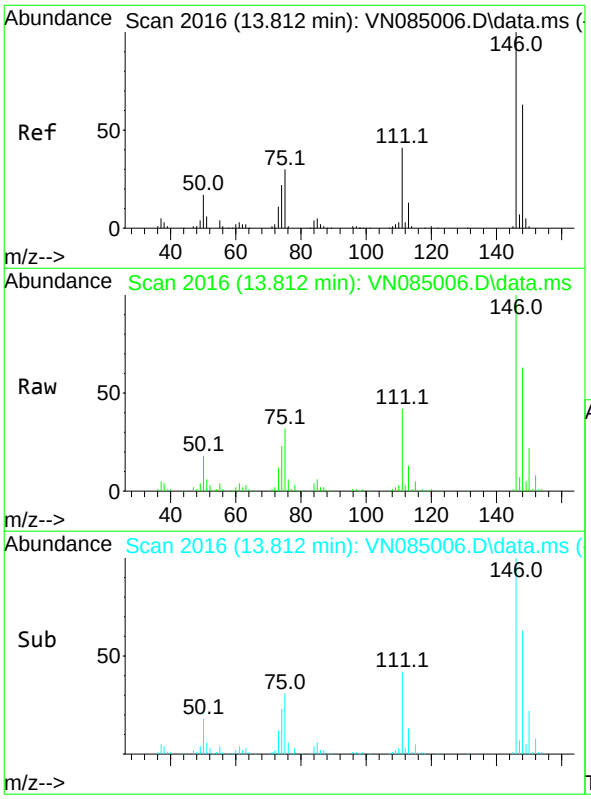
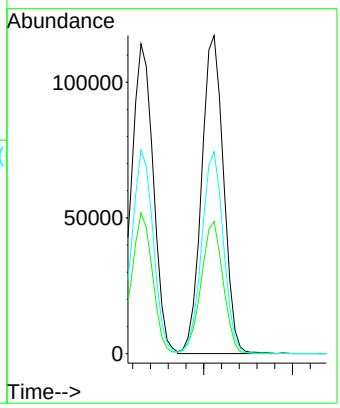
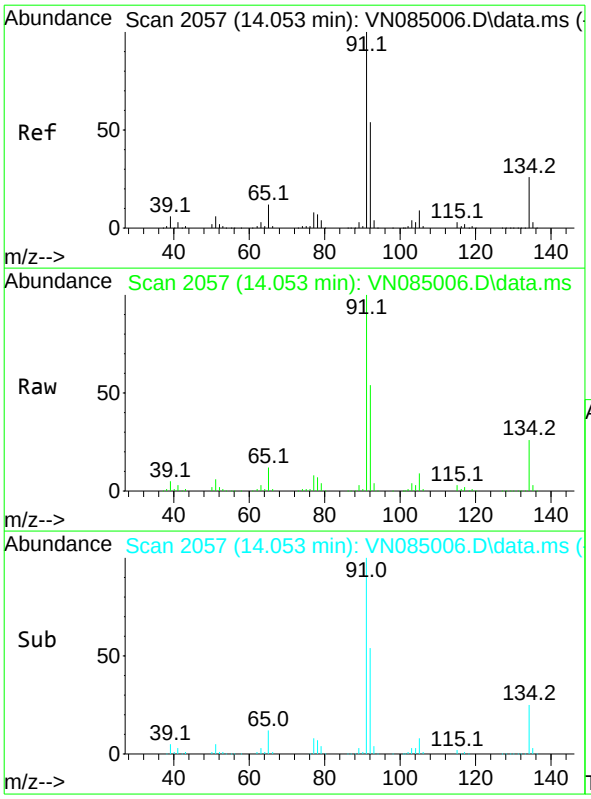


#88
1,4-Dichlorobenzene
Concen: 46.058 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:146 Resp: 201469

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.9	62.8
148	62.6	31.3	93.9

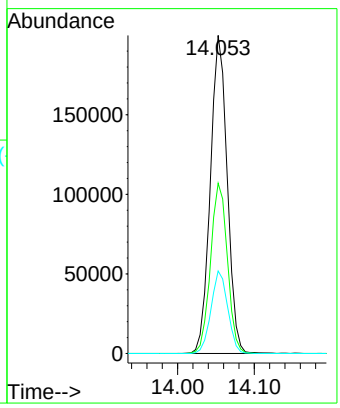




#89
n-Butylbenzene
Concen: 50.564 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 91 Resp: 305730

Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.8	80.3
134	25.6	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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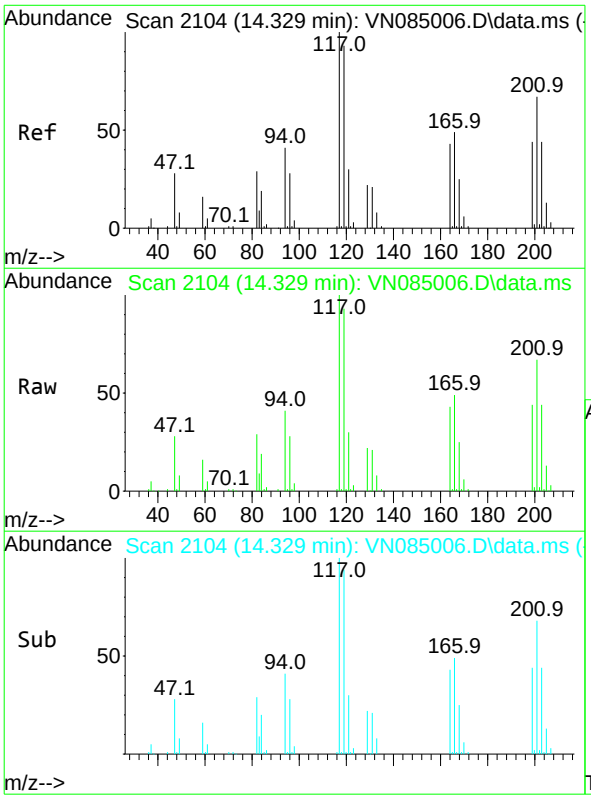
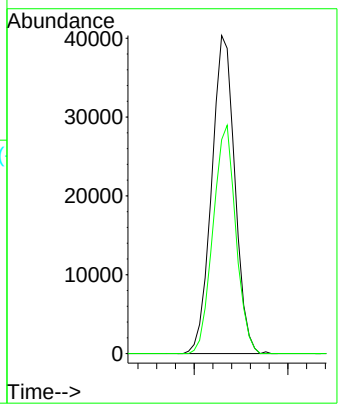
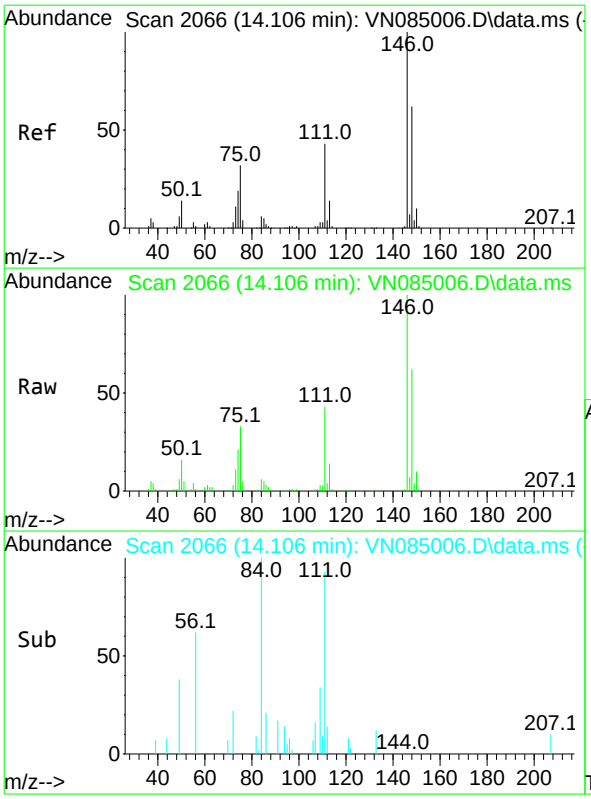


#90
Hexachloroethane
Concen: 49.001 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:117 Resp: 69444

Ion	Ratio	Lower	Upper
117	100		
201	70.4	35.2	105.6

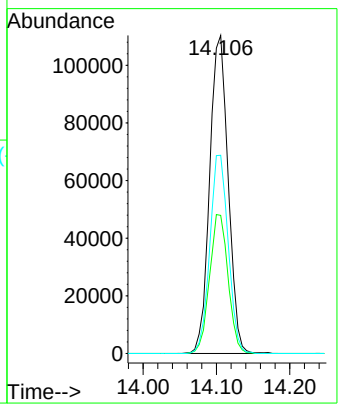




#91
1,2-Dichlorobenzene
Concen: 47.019 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:146 Resp: 193123

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.9	65.8
148	62.1	31.1	93.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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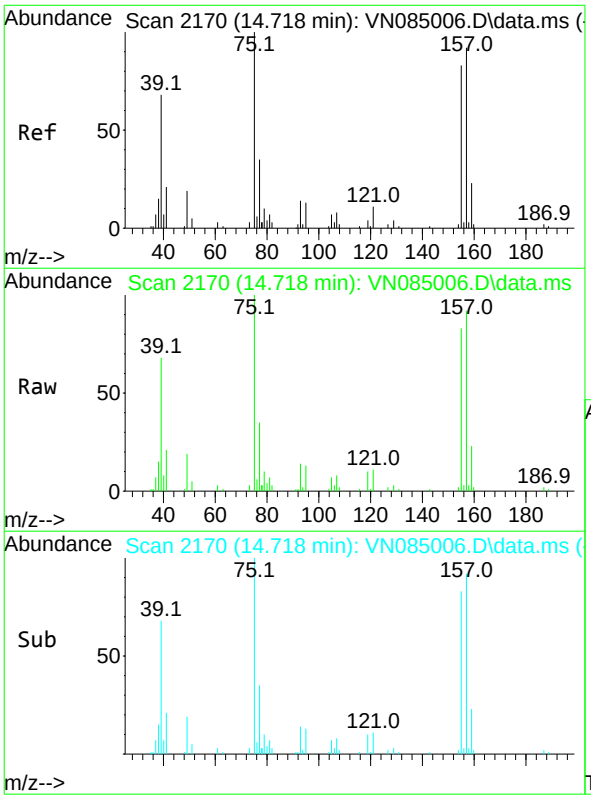
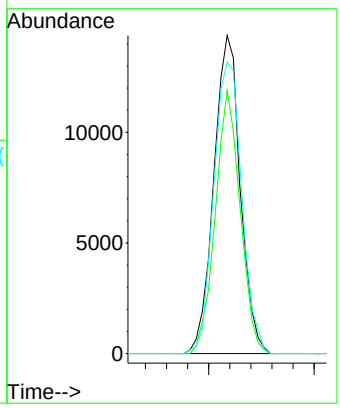
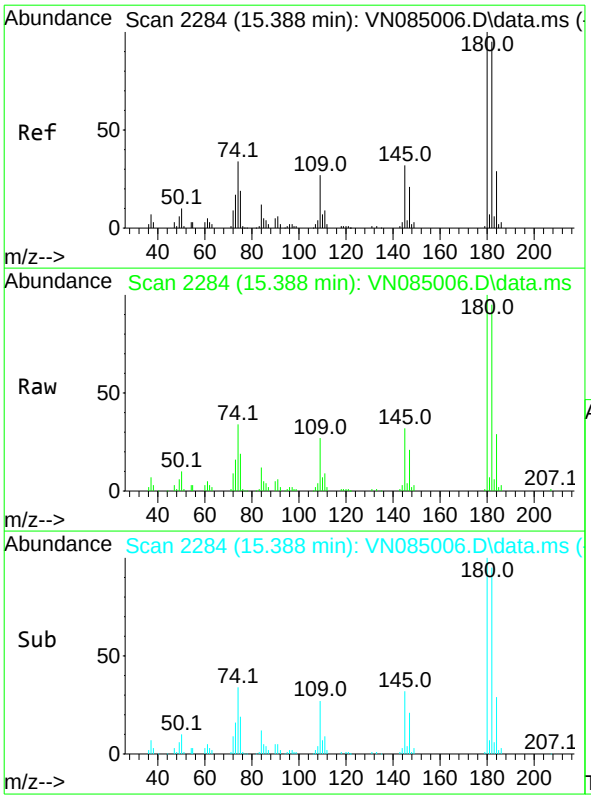


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.995 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 75 Resp: 25059

Ion	Ratio	Lower	Upper
75	100		
155	77.8	38.9	116.7
157	96.6	48.3	144.9

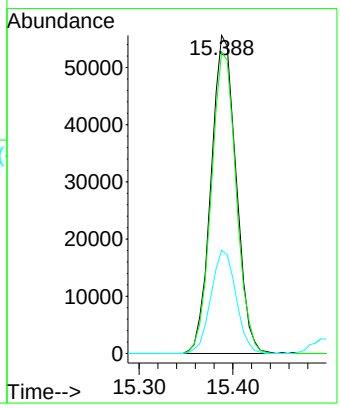




#93
1,2,4-Trichlorobenzene
Concen: 46.278 ug/l
RT: 15.388 min Scan# 22
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:180 Resp: 103265

Ion	Ratio	Lower	Upper
180	100		
182	93.9	46.9	140.8
145	32.5	16.3	48.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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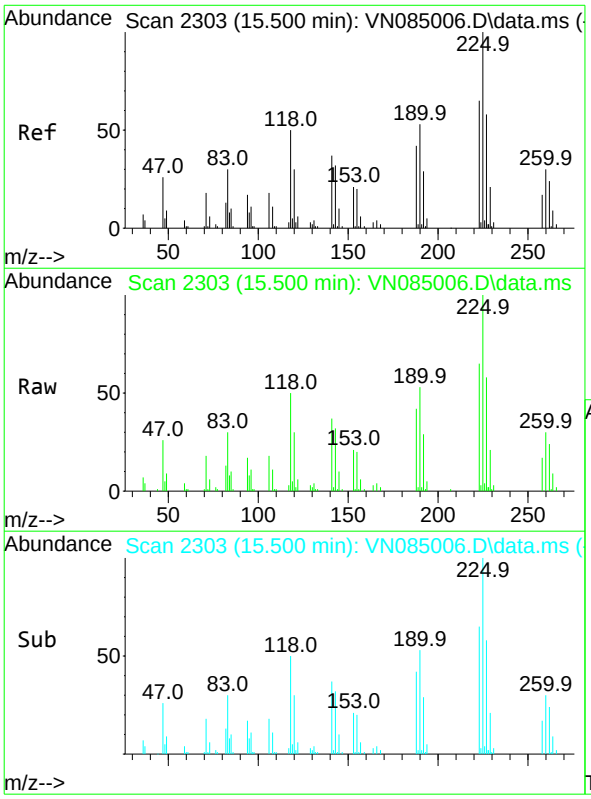
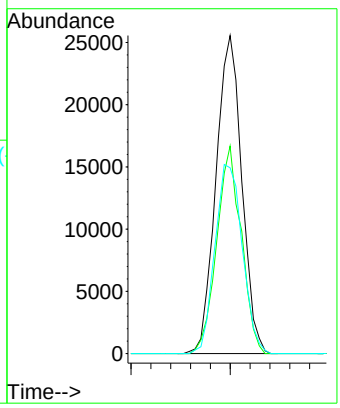
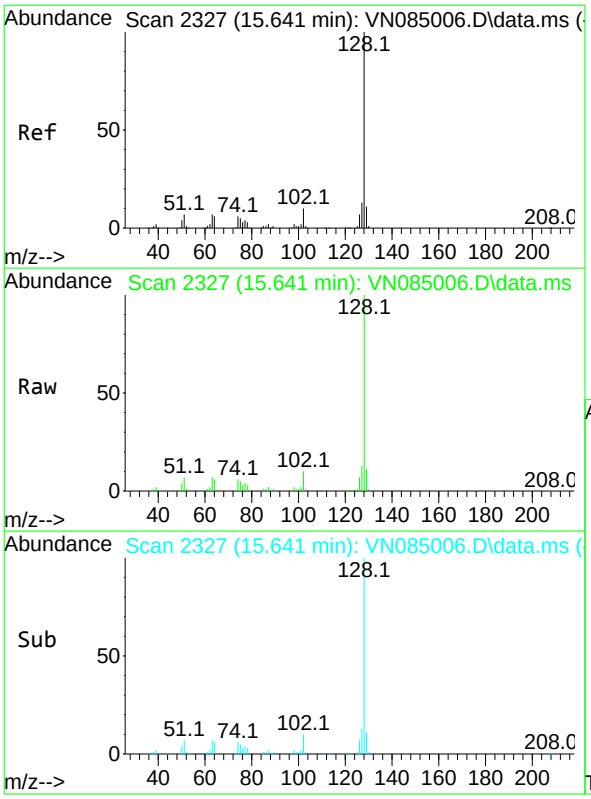


#94
Hexachlorobutadiene
Concen: 44.848 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:225 Resp: 46186

Ion	Ratio	Lower	Upper
225	100		
223	61.9	30.9	92.8
227	63.0	31.5	94.5

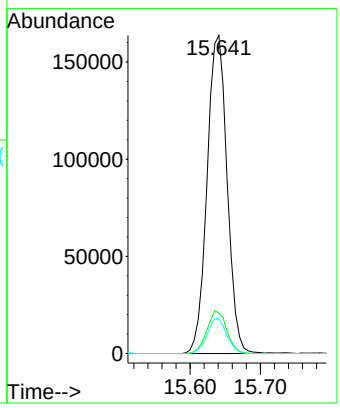




#95
Naphthalene
Concen: 51.063 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:128 Resp: 324523

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	10.7	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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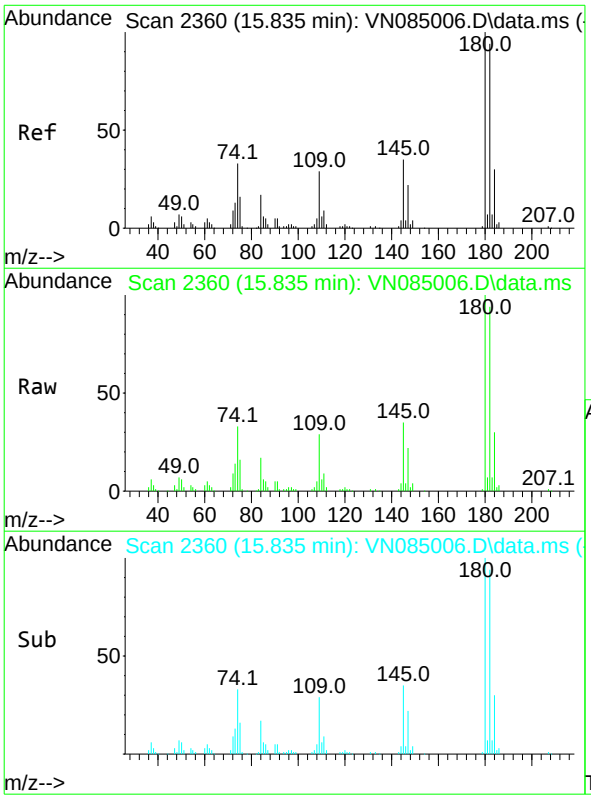
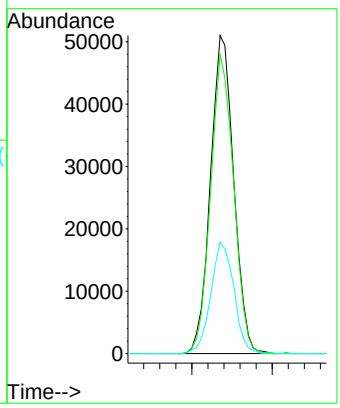


#96
1,2,3-Trichlorobenzene
Concen: 48.269 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:180 Resp: 102772

Ion	Ratio	Lower	Upper
180	100		
182	92.8	46.4	139.2
145	34.7	17.3	52.0



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Data File : VN085007.D
Acq On : 22 Nov 2024 12:10
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 23 01:59:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	168636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	283685	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	240895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	116956	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	44399	18.483	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 36.960%#			
35) Dibromofluoromethane	8.159	113	35327	18.466	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 36.940%#			
50) Toluene-d8	10.565	98	130719	19.066	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 38.140%#			
62) 4-Bromofluorobenzene	12.847	95	48193	18.797	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 37.600%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	38229	20.048	ug/l	99
3) Chloromethane	2.359	50	40404	18.269	ug/l	91
4) Vinyl Chloride	2.512	62	39070	19.658	ug/l	94
5) Bromomethane	2.900	94	22076	19.817	ug/l	98
6) Chloroethane	3.071	64	25643	19.141	ug/l	98
7) Trichlorofluoromethane	3.471	101	67785	20.049	ug/l	94
8) Diethyl Ether	3.953	74	23514	20.434	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.359	101	38412	20.031	ug/l	99
10) Methyl Iodide	4.571	142	52498	20.683	ug/l	98
11) Tert butyl alcohol	5.536	59	30735	95.749	ug/l #	85
12) 1,1-Dichloroethene	4.330	96	36027	20.128	ug/l	97
13) Acrolein	4.177	56	20478	95.606	ug/l	96
14) Allyl chloride	5.006	41	59110	19.590	ug/l	99
15) Acrylonitrile	5.712	53	89152	98.100	ug/l	99
16) Acetone	4.430	43	69534	99.393	ug/l	96
17) Carbon Disulfide	4.694	76	103559	19.602	ug/l	96
18) Methyl Acetate	5.018	43	46954	20.318	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	119013	20.350	ug/l	98
20) Methylene Chloride	5.265	84	41741	19.553	ug/l	89
21) trans-1,2-Dichloroethene	5.777	96	38088	20.221	ug/l	98
22) Diisopropyl ether	6.665	45	122443	20.162	ug/l	99
23) Vinyl Acetate	6.594	43	431313	102.948	ug/l	99
24) 1,1-Dichloroethane	6.559	63	73105	20.116	ug/l	98
25) 2-Butanone	7.482	43	114635	100.226	ug/l	99
26) 2,2-Dichloropropane	7.482	77	66230	19.517	ug/l	97
27) cis-1,2-Dichloroethene	7.482	96	45307	19.953	ug/l	99
28) Bromochloromethane	7.806	49	27564	20.092	ug/l	99
29) Tetrahydrofuran	7.835	42	71566	100.618	ug/l	99
30) Chloroform	7.953	83	74495	19.270	ug/l	94
31) Cyclohexane	8.247	56	63521	19.852	ug/l	96
32) 1,1,1-Trichloroethane	8.159	97	68908	19.725	ug/l	97
36) 1,1-Dichloropropene	8.365	75	51535	19.888	ug/l	98
37) Ethyl Acetate	7.559	43	48436	20.561	ug/l	99
38) Carbon Tetrachloride	8.359	117	61594	20.593	ug/l	97
39) Methylcyclohexane	9.600	83	55102	20.464	ug/l	98
40) Benzene	8.600	78	163727	19.977	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085007.D
Acq On : 22 Nov 2024 12:10
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 23 01:59:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	26011	19.942	ug/l		99
42) 1,2-Dichloroethane	8.665	62	56374	20.106	ug/l		99
43) Isopropyl Acetate	8.682	43	88647	18.116	ug/l		98
44) Trichloroethene	9.347	130	38334	20.127	ug/l		96
45) 1,2-Dichloropropane	9.618	63	39852	19.742	ug/l		96
46) Dibromomethane	9.706	93	28140	20.062	ug/l		98
47) Bromodichloromethane	9.882	83	59008	19.849	ug/l		97
48) Methyl methacrylate	9.676	41	36687	20.148	ug/l		98
49) 1,4-Dioxane	9.694	88	12977	410.958	ug/l	#	89
51) 4-Methyl-2-Pentanone	10.441	43	230239	103.015	ug/l		99
52) Toluene	10.629	92	100021	20.615	ug/l		99
53) t-1,3-Dichloropropene	10.829	75	61215	20.539	ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	64823	20.501	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	36732	20.326	ug/l		96
56) Ethyl methacrylate	10.871	69	55691	21.089	ug/l		98
57) 1,3-Dichloropropane	11.159	76	63314	19.906	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	137602	106.227	ug/l		100
59) 2-Hexanone	11.194	43	179717	107.514	ug/l		99
60) Dibromochloromethane	11.353	129	44450	20.126	ug/l		97
61) 1,2-Dibromoethane	11.465	107	37228	19.905	ug/l		99
64) Tetrachloroethene	11.100	164	32716	20.155	ug/l		93
65) Chlorobenzene	11.888	112	108255	19.815	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	37404	19.446	ug/l		98
67) Ethyl Benzene	11.959	91	181169	20.440	ug/l		98
68) m/p-Xylenes	12.070	106	141133	41.824	ug/l		99
69) o-Xylene	12.394	106	66013	20.565	ug/l		97
70) Styrene	12.406	104	113503	21.263	ug/l		99
71) Bromoform	12.576	173	28783	20.159	ug/l	#	98
73) Isopropylbenzene	12.694	105	168631	20.438	ug/l		100
74) N-amyl acetate	12.494	43	72208	21.238	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	53889	19.127	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	43650m	19.951	ug/l		
77) Bromobenzene	12.976	156	43298	19.500	ug/l		99
78) n-propylbenzene	13.035	91	196551	20.653	ug/l		99
79) 2-Chlorotoluene	13.123	91	128714	20.261	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	145726	21.048	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	18860	20.144	ug/l		99
82) 4-Chlorotoluene	13.217	91	133131	20.131	ug/l		99
83) tert-Butylbenzene	13.435	119	121188	20.344	ug/l		99
84) 1,2,4-Trimethylbenzene	13.476	105	149479	20.974	ug/l		99
85) sec-Butylbenzene	13.611	105	168068	20.885	ug/l		100
86) p-Isopropyltoluene	13.729	119	143841	21.653	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	83500	19.066	ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	85098	19.041	ug/l		99
89) n-Butylbenzene	14.053	91	122257	19.790	ug/l		100
90) Hexachloroethane	14.329	117	27899	19.267	ug/l		97
91) 1,2-Dichlorobenzene	14.106	146	82164	19.579	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10633	19.517	ug/l		96
93) 1,2,4-Trichlorobenzene	15.388	180	44383	19.467	ug/l		98
94) Hexachlorobutadiene	15.500	225	20642	19.618	ug/l		95
95) Naphthalene	15.641	128	132816	20.454	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	44145	20.293	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085007.D
Acq On : 22 Nov 2024 12:10
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 23 01:59:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

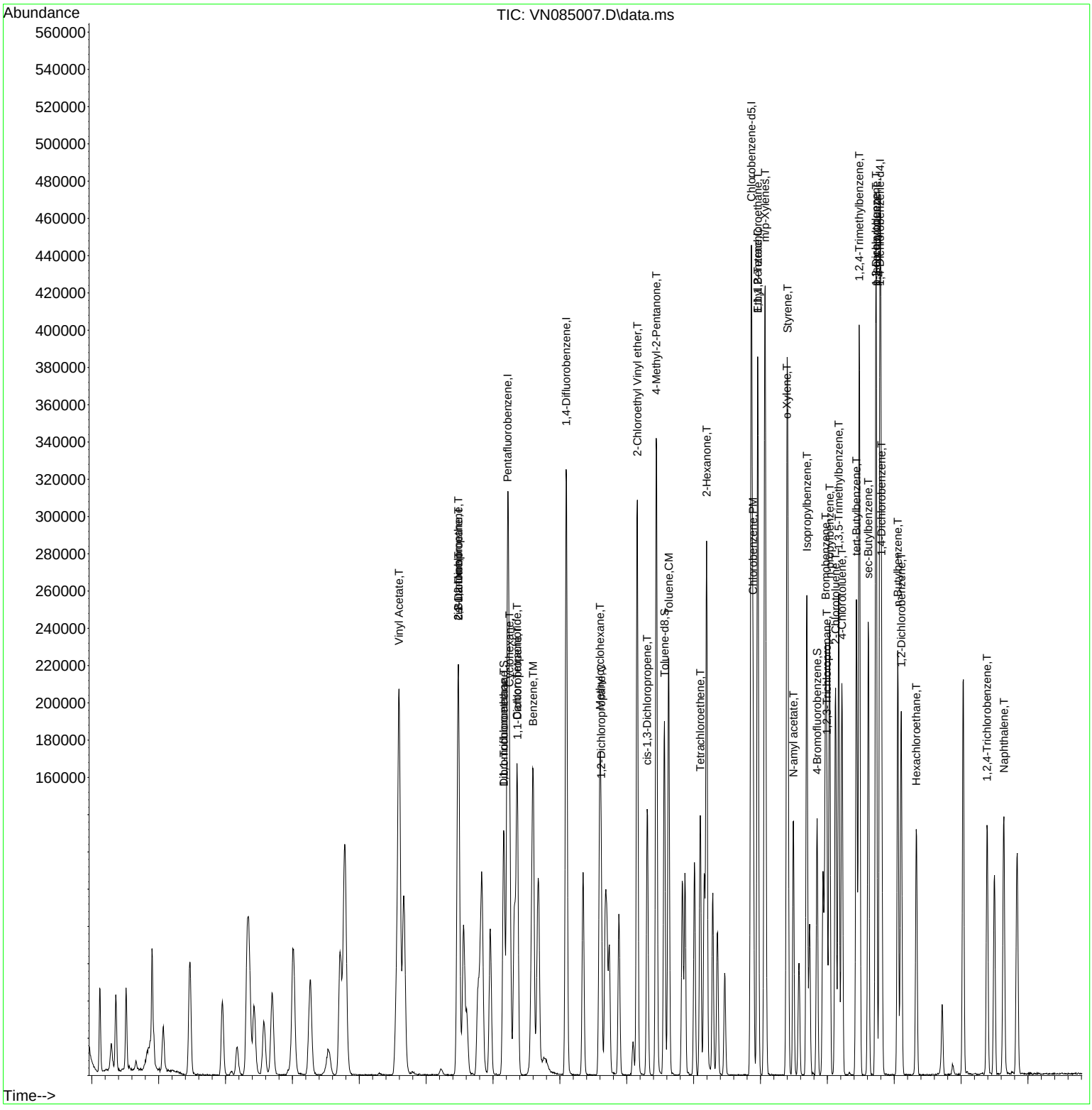
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085007.D
Acq On : 22 Nov 2024 12:10
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

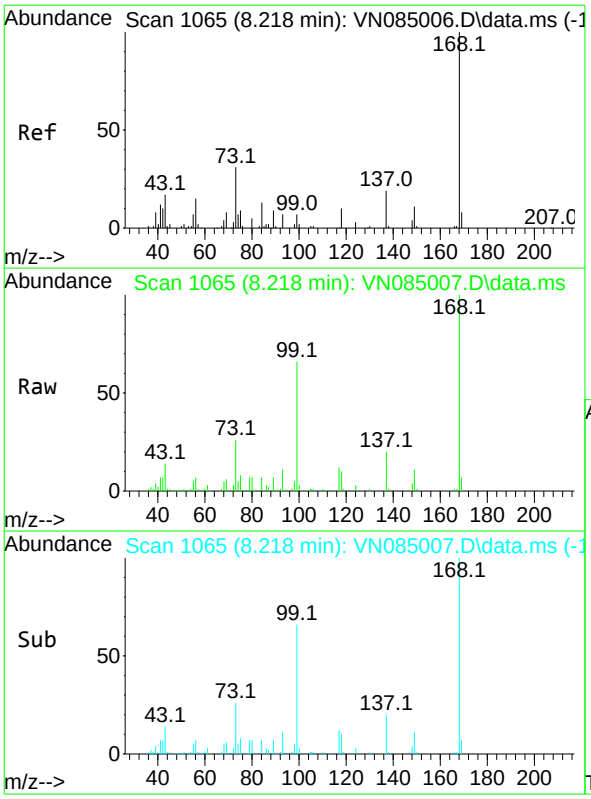
Quant Time: Nov 23 01:59:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

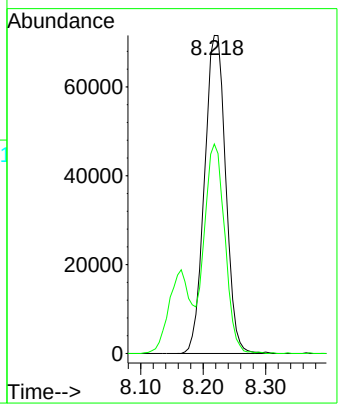




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:168 Resp: 168636

Ion	Ratio	Lower	Upper
168	100		
99	65.9	51.2	76.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
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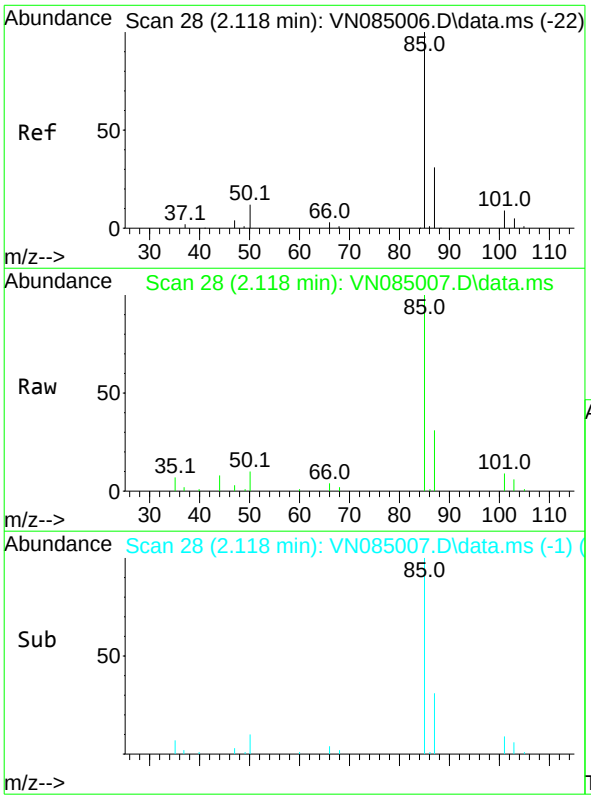
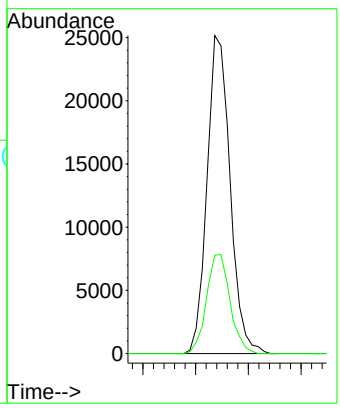
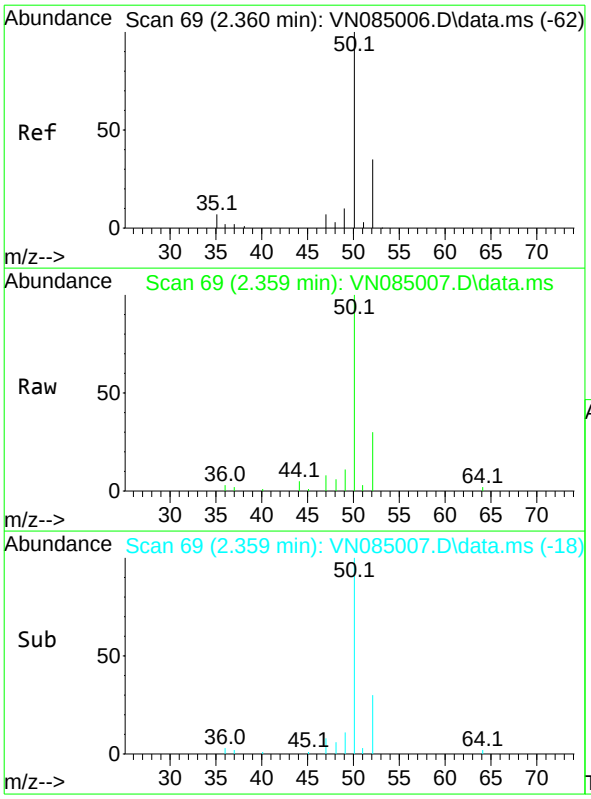


#2
Dichlorodifluoromethane
Concen: 20.048 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 85 Resp: 38229

Ion	Ratio	Lower	Upper
85	100		
87	30.9	15.7	47.1

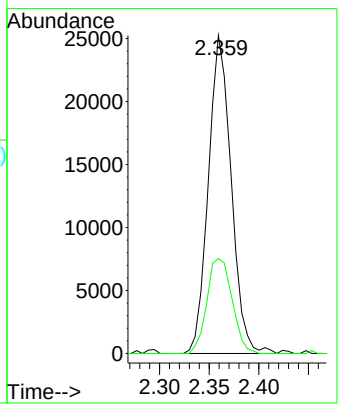




#3
Chloromethane
Concen: 18.269 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 50 Resp: 40404

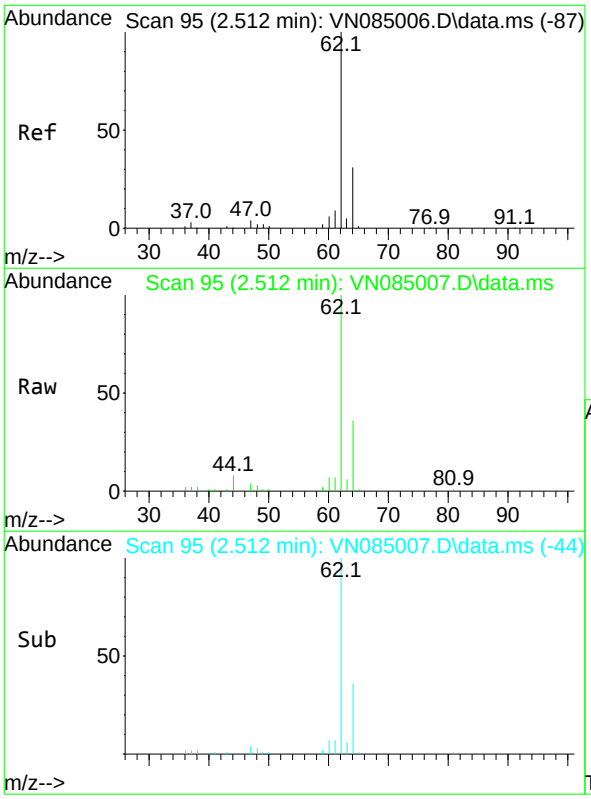
Ion	Ratio	Lower	Upper
50	100		
52	29.9	27.8	41.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

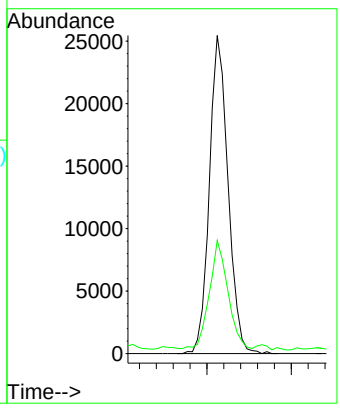
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

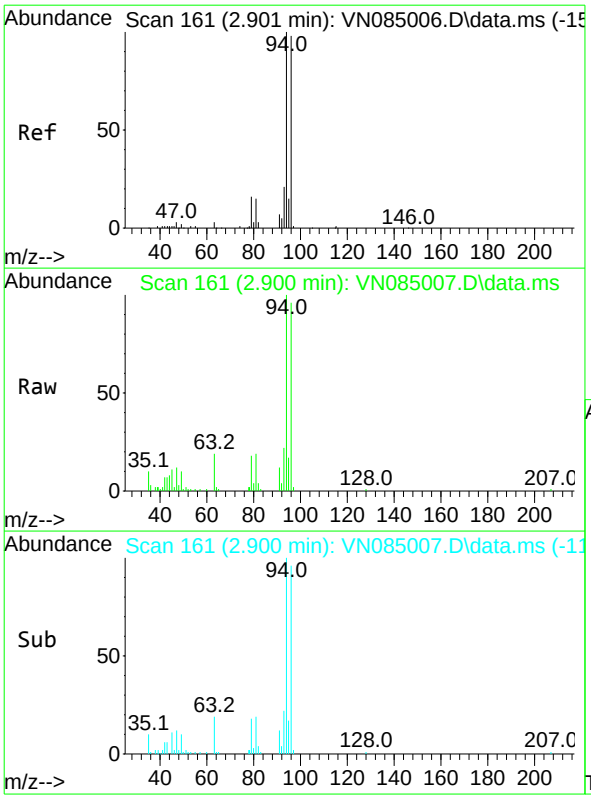


#4
Vinyl Chloride
Concen: 19.658 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 62 Resp: 39070

Ion	Ratio	Lower	Upper
62	100		
64	33.9	24.6	36.8

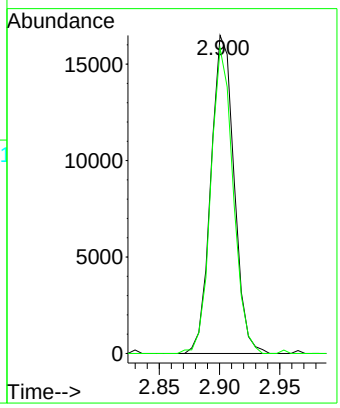




#5
Bromomethane
Concen: 19.817 ug/l
RT: 2.900 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 94 Resp: 22076

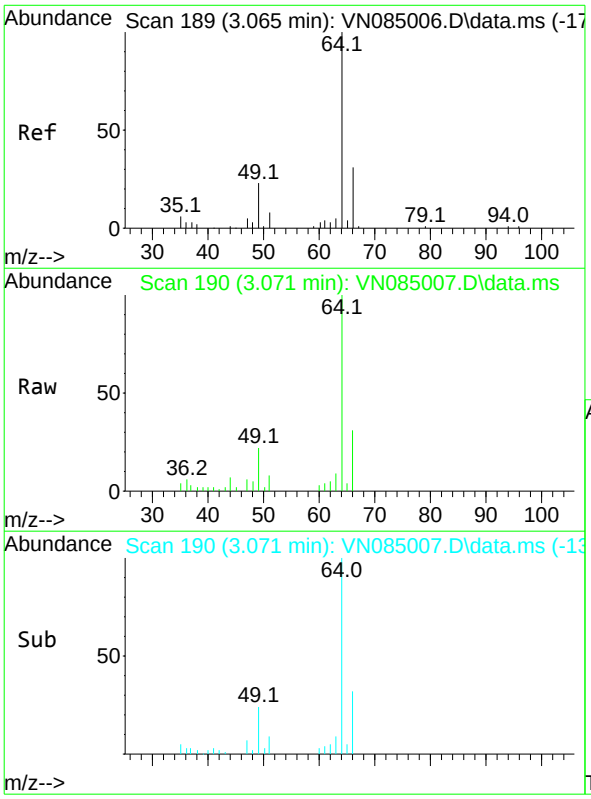
Ion	Ratio	Lower	Upper
94	100		
96	96.0	78.7	118.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

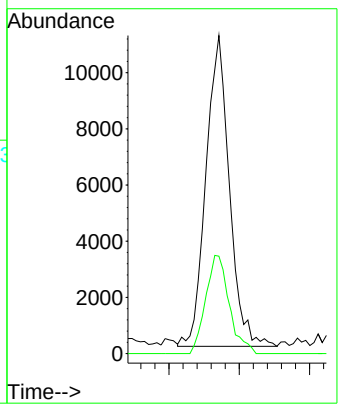
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

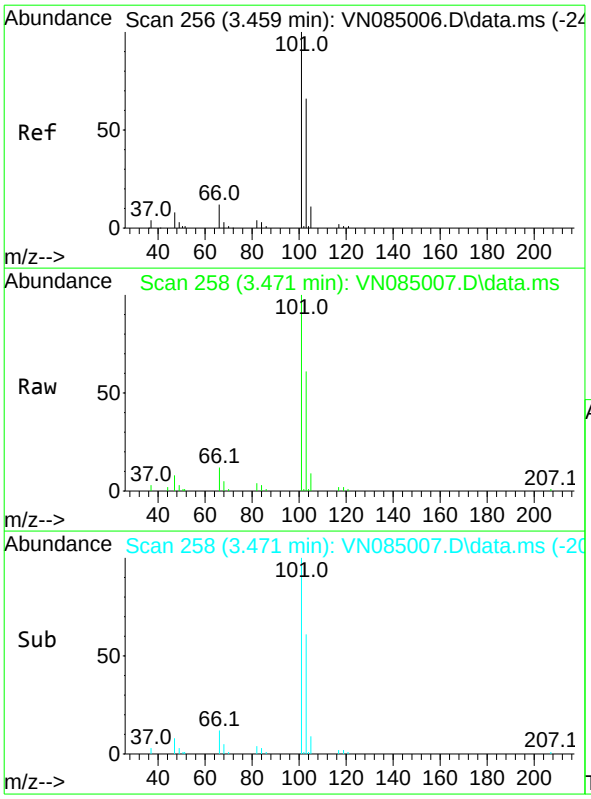


#6
Chloroethane
Concen: 19.141 ug/l
RT: 3.071 min Scan# 190
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 64 Resp: 25643

Ion	Ratio	Lower	Upper
64	100		
66	31.3	24.4	36.6

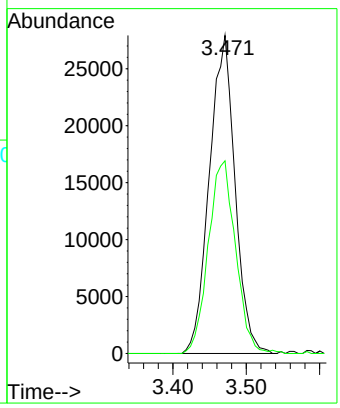




#7
Trichlorofluoromethane
Concen: 20.049 ug/l
RT: 3.471 min Scan# 25
Delta R.T. 0.012 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:101 Resp: 67785

Ion	Ratio	Lower	Upper
101	100		
103	60.6	52.6	78.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
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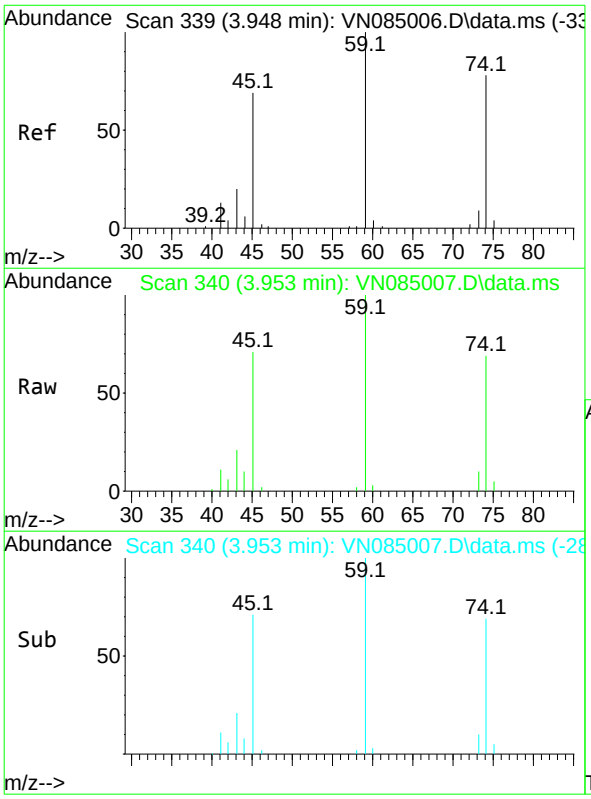
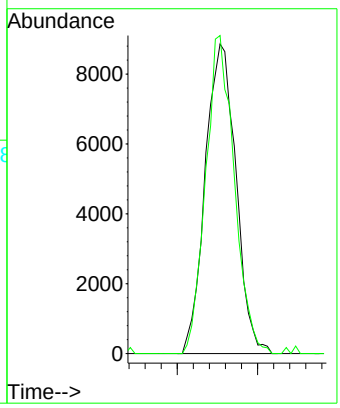
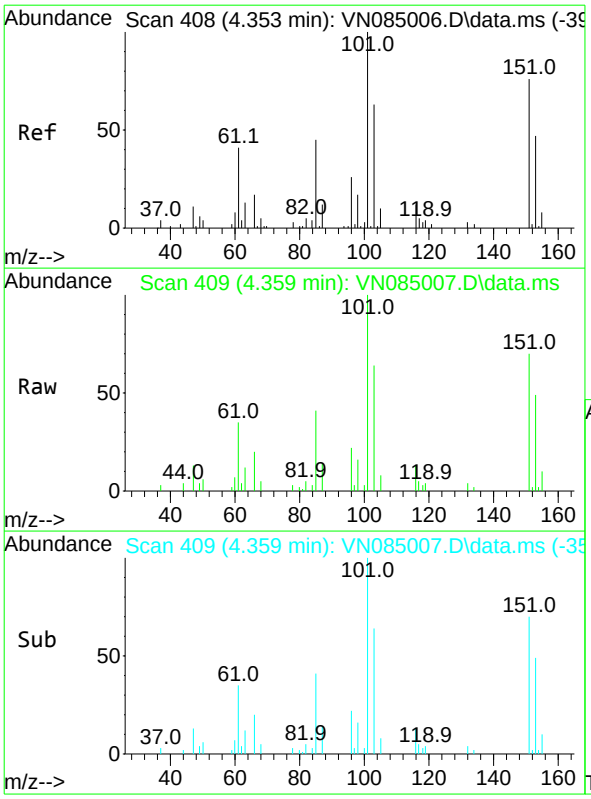


#8
Diethyl Ether
Concen: 20.434 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 74 Resp: 23514

Ion	Ratio	Lower	Upper
74	100		
45	95.8	46.7	140.1

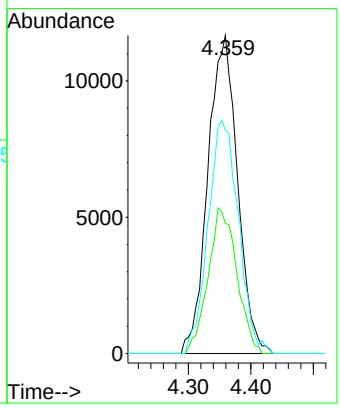




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.031 ug/l
RT: 4.359 min Scan# 40
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:101 Resp: 38412

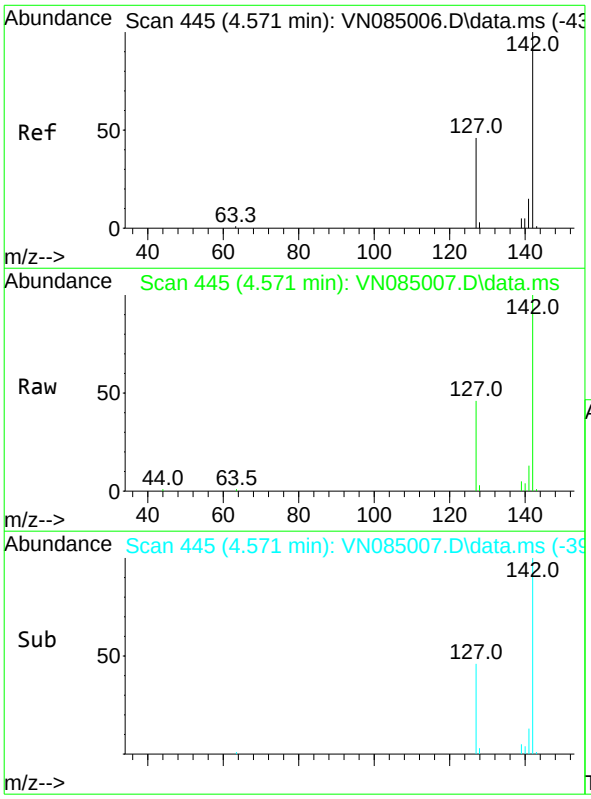
Ion	Ratio	Lower	Upper
101	100		
85	44.4	36.9	55.3
151	75.5	60.8	91.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

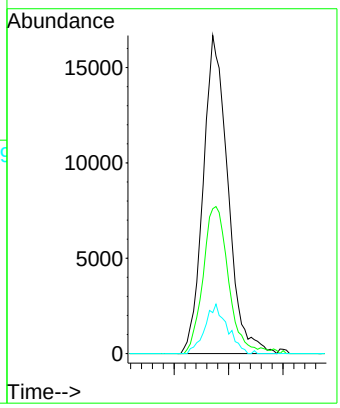
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

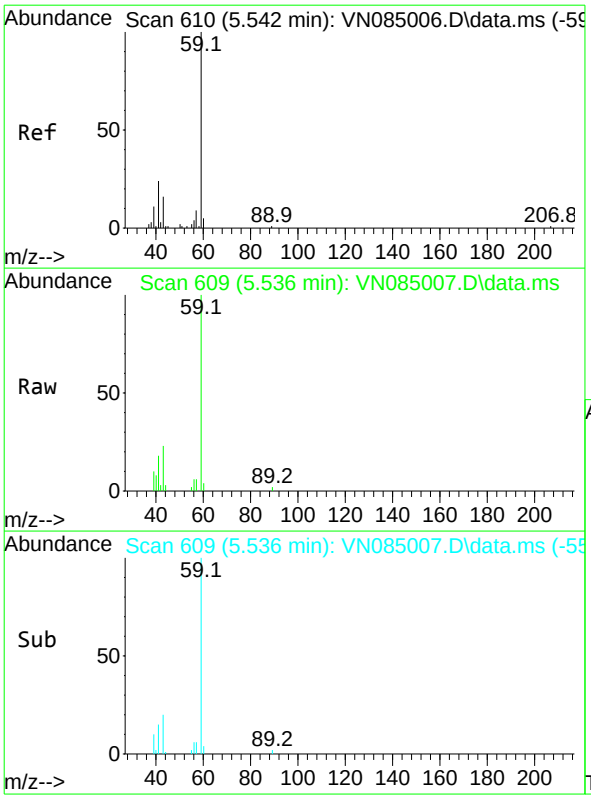


#10
Methyl Iodide
Concen: 20.683 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:142 Resp: 52498

Ion	Ratio	Lower	Upper
142	100		
127	45.5	36.6	54.8
141	12.9	12.2	18.4

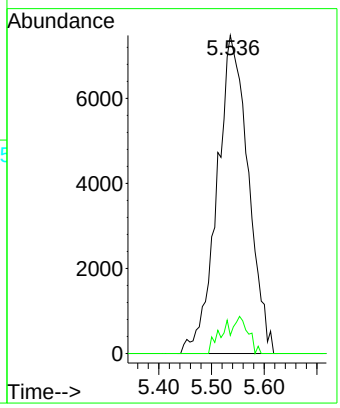




#11
Tert butyl alcohol
Concen: 95.749 ug/l
RT: 5.536 min Scan# 60
Delta R.T. -0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 59 Resp: 30735

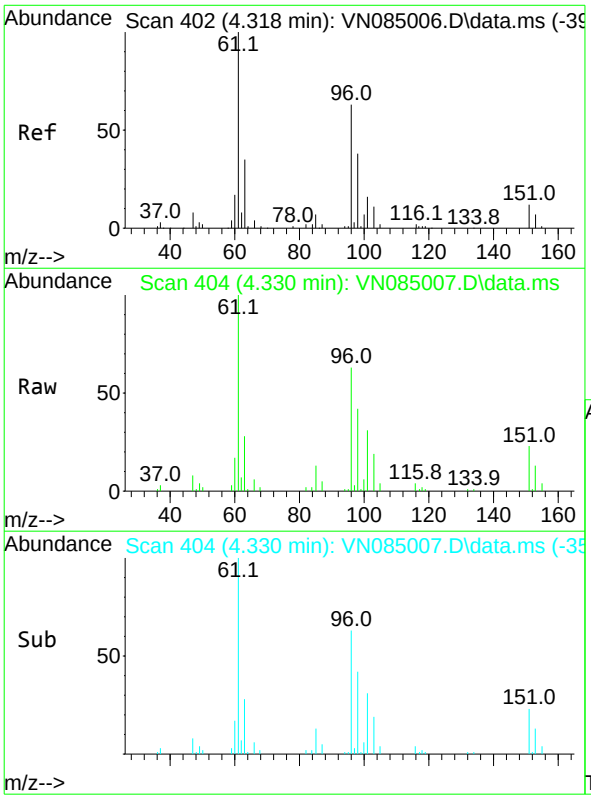
Ion	Ratio	Lower	Upper
59	100		
57	3.7	7.4	11.0#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

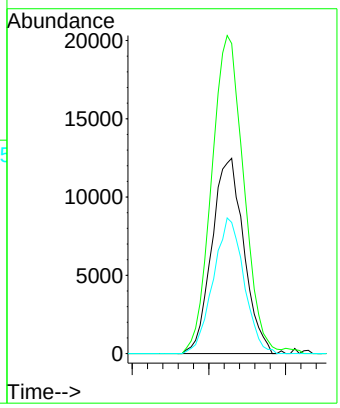
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

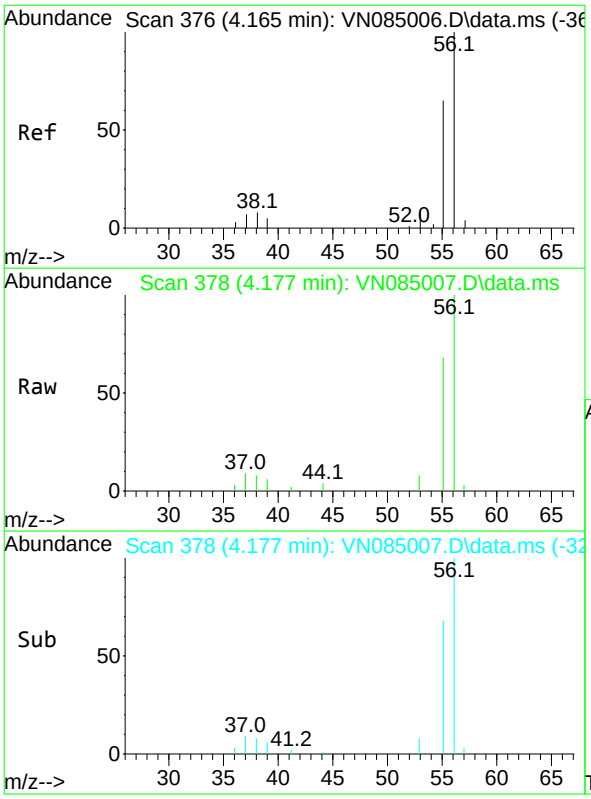


#12
1,1-Dichloroethene
Concen: 20.128 ug/l
RT: 4.330 min Scan# 404
Delta R.T. 0.012 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 96 Resp: 36027

Ion	Ratio	Lower	Upper
96	100		
61	158.7	127.8	191.8
98	67.1	49.2	73.8

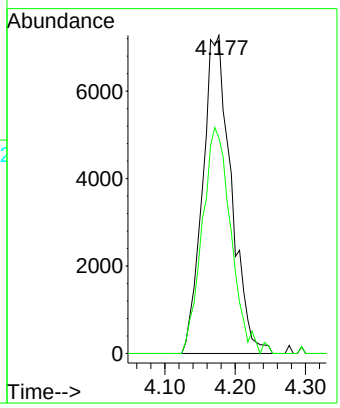




#13
Acrolein
Concen: 95.606 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.012 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 56 Resp: 20478

Ion	Ratio	Lower	Upper
56	100		
55	71.2	54.5	81.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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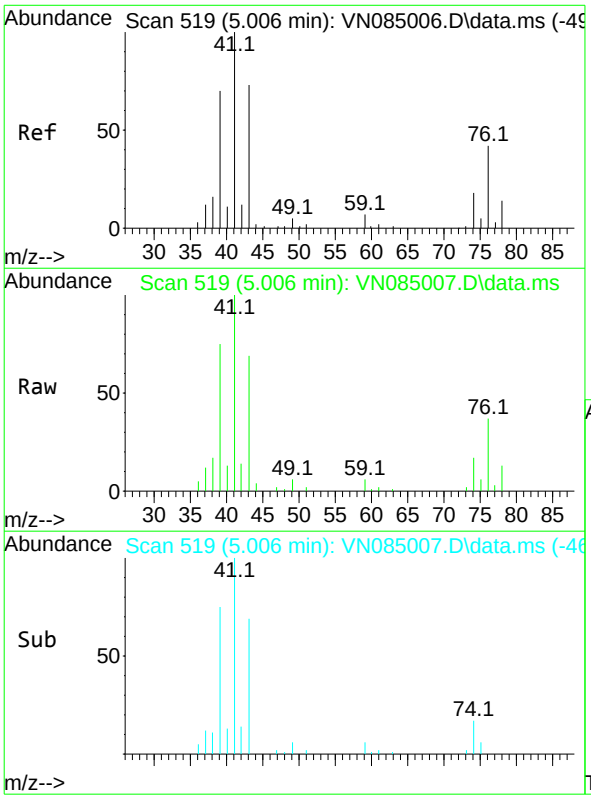
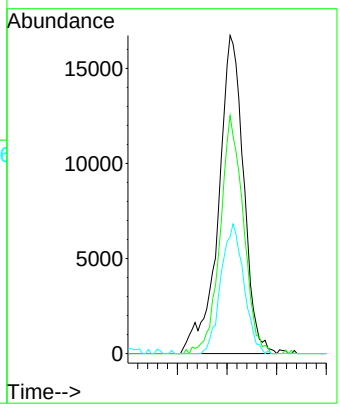
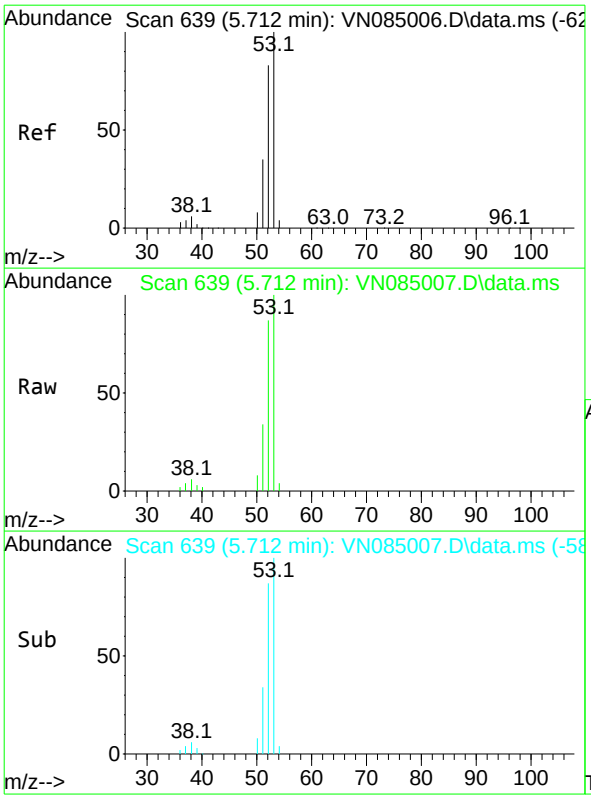


#14
Allyl chloride
Concen: 19.590 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 41 Resp: 59110

Ion	Ratio	Lower	Upper
41	100		
39	68.7	53.8	80.8
76	36.9	29.3	43.9

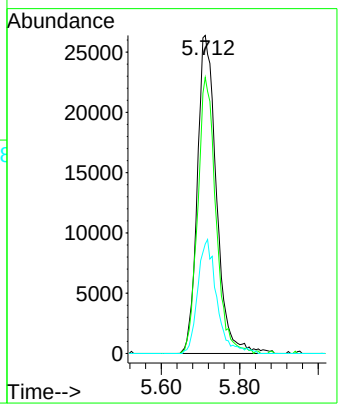




#15
Acrylonitrile
Concen: 98.100 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 53 Resp: 89152

Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.5	98.3
51	35.8	28.4	42.6



Instrument :
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ClientSampleId :
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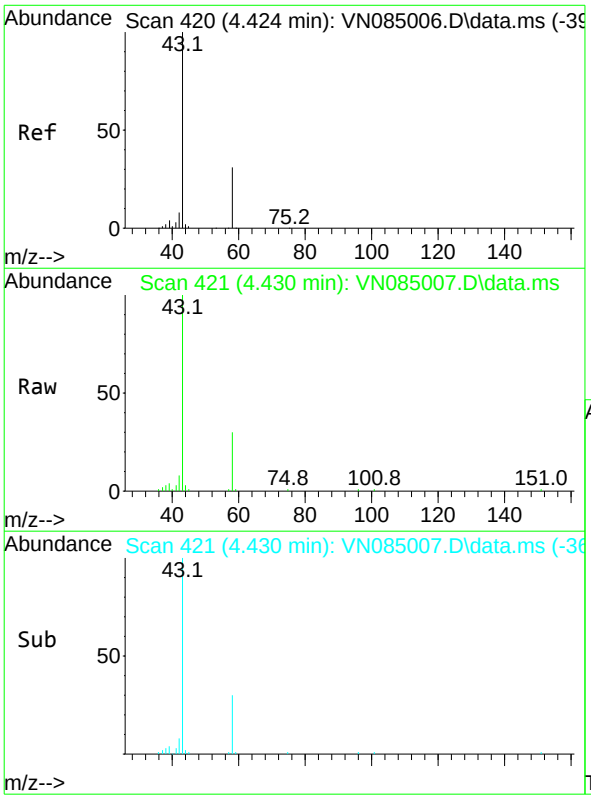
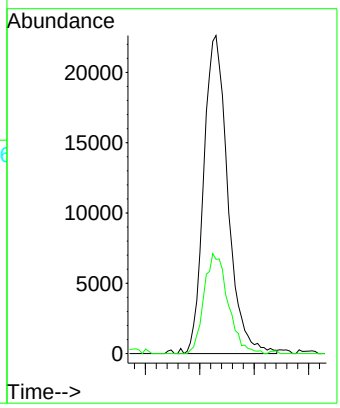
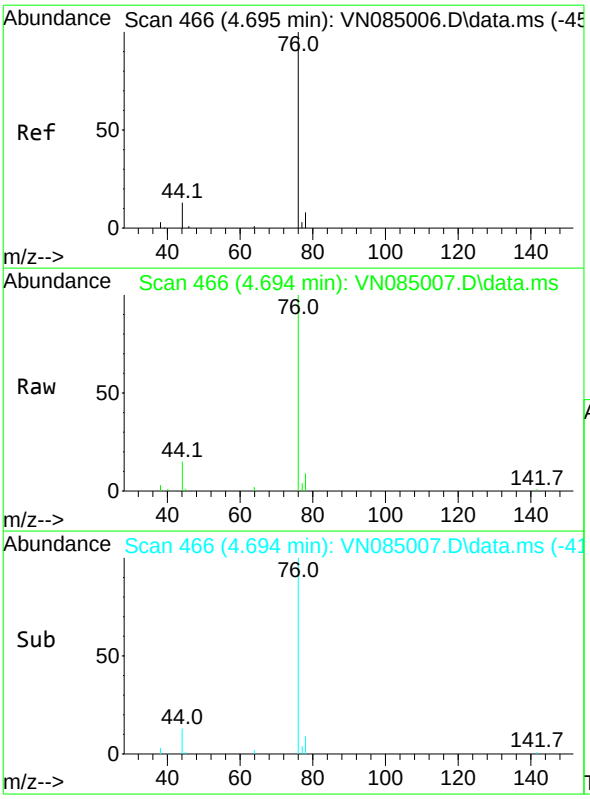


#16
Acetone
Concen: 99.393 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 43 Resp: 69534

Ion	Ratio	Lower	Upper
43	100		
58	29.6	25.4	38.2

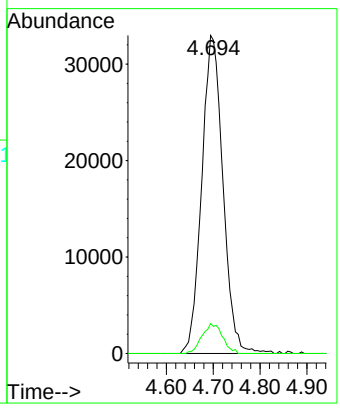




#17
Carbon Disulfide
Concen: 19.602 ug/l
RT: 4.694 min Scan# 46
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 76 Resp: 103559

Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.5	9.7



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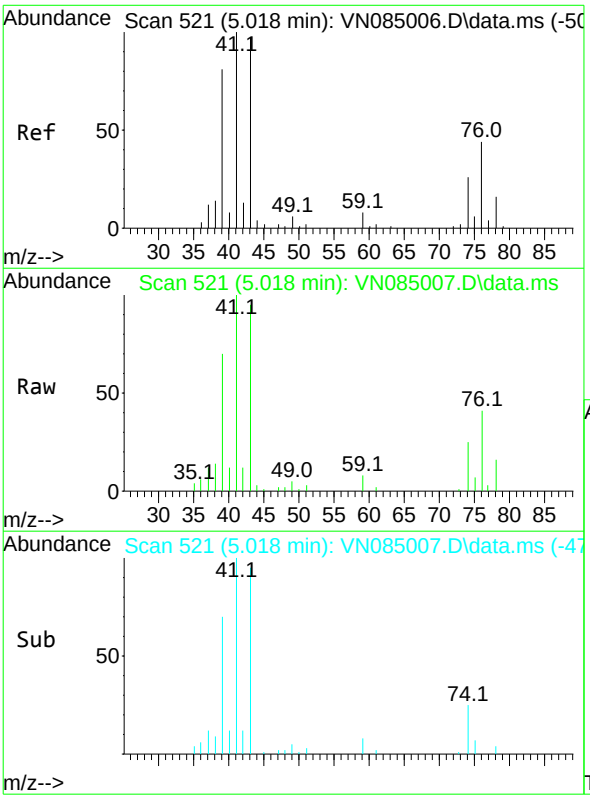
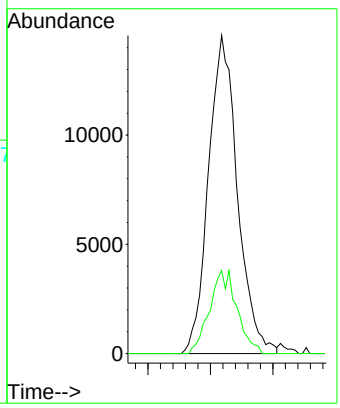
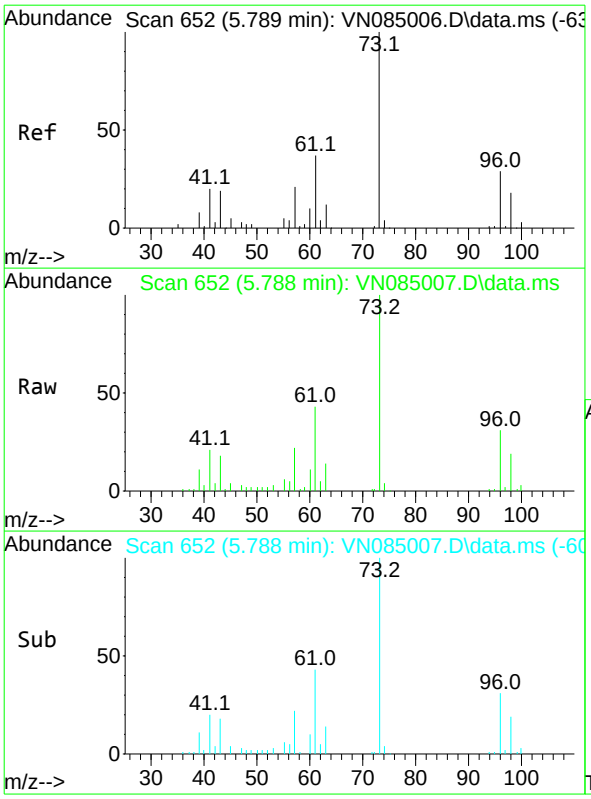


#18
Methyl Acetate
Concen: 20.318 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 43 Resp: 46954

Ion	Ratio	Lower	Upper
43	100		
74	24.7	20.1	30.1

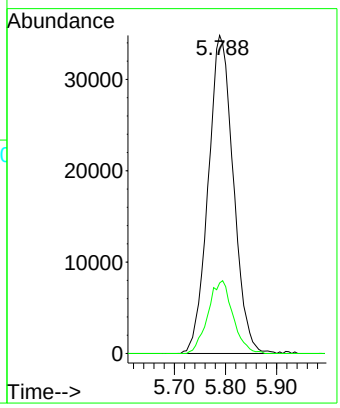




#19
Methyl tert-butyl Ether
Concen: 20.350 ug/l
RT: 5.788 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 73 Resp: 119013

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.0	25.4



Instrument :
MSVOA_N
ClientSampleId :
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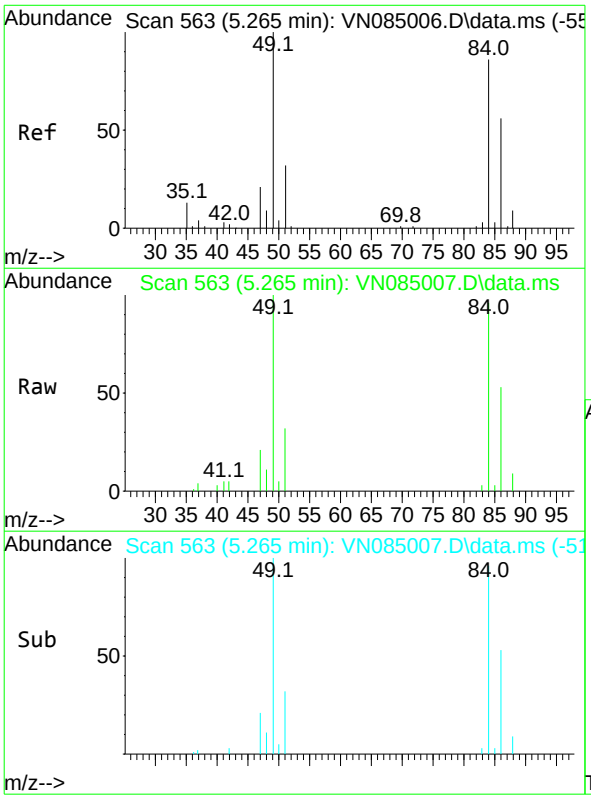
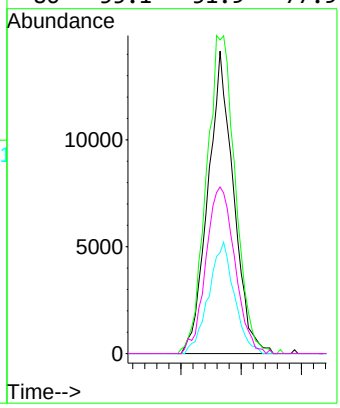
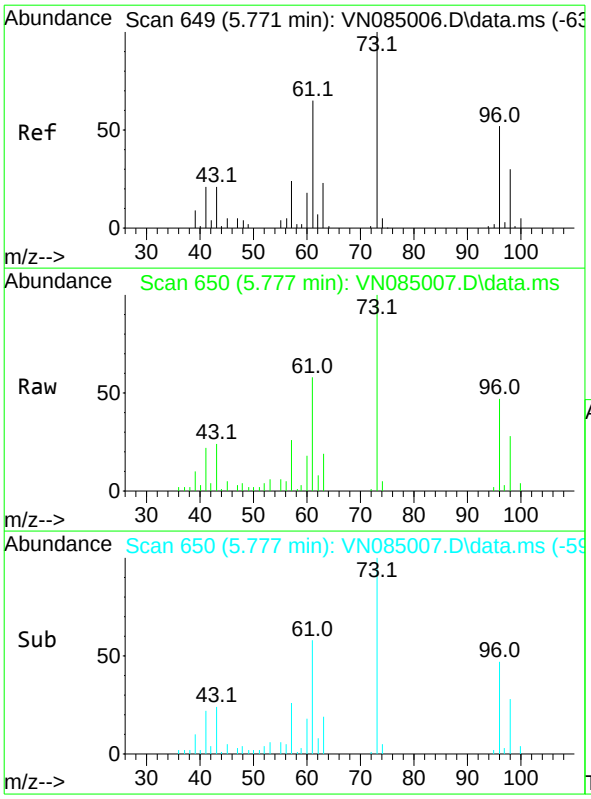


#20
Methylene Chloride
Concen: 19.553 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 84 Resp: 41741

Ion	Ratio	Lower	Upper
84	100		
49	103.7	92.7	139.1
51	33.4	29.4	44.2
86	55.1	51.9	77.9

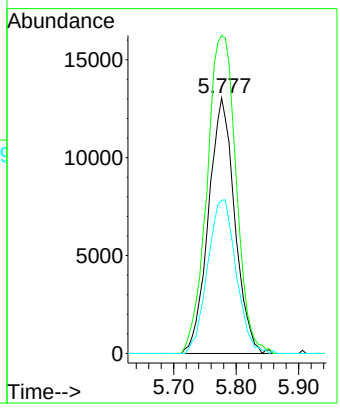




#21
trans-1,2-Dichloroethene
Concen: 20.221 ug/l
RT: 5.777 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 96 Resp: 38088

Ion	Ratio	Lower	Upper
96	100		
61	124.5	100.7	151.1
98	60.0	45.8	68.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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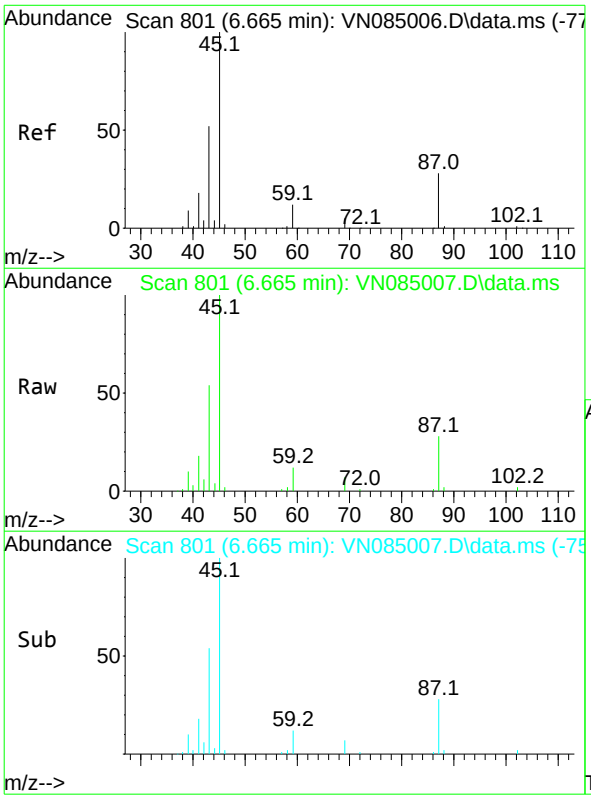
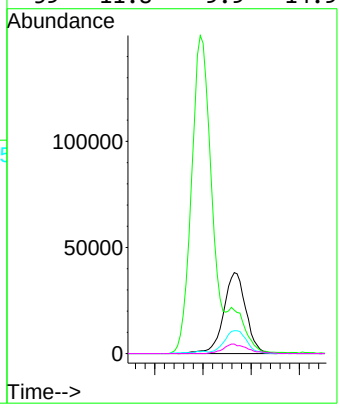
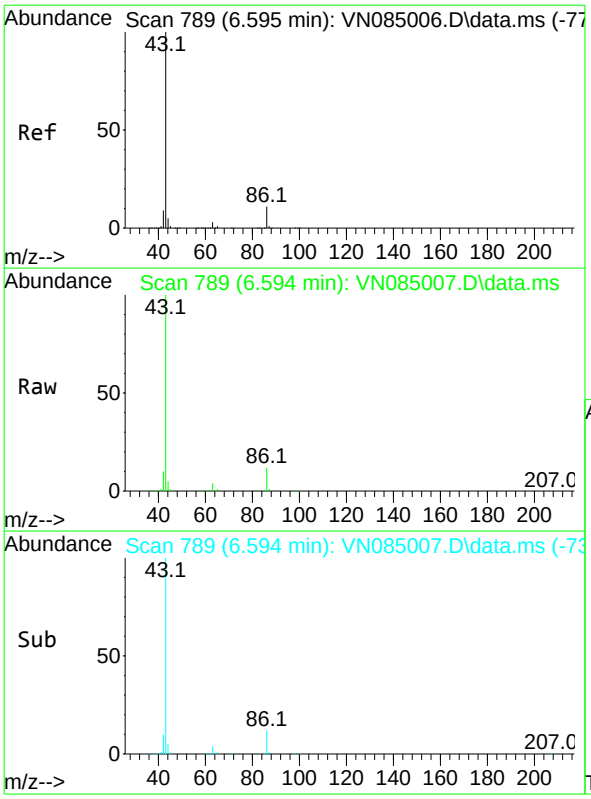


#22
Diisopropyl ether
Concen: 20.162 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 45 Resp: 122443

Ion	Ratio	Lower	Upper
45	100		
43	52.2	42.7	64.1
87	28.2	22.6	34.0
59	11.8	9.9	14.9

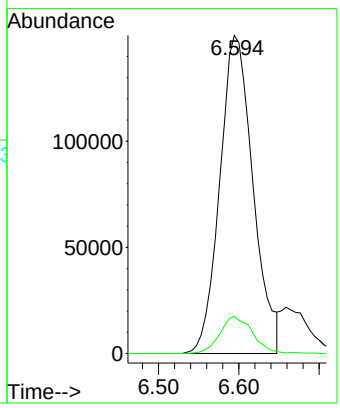




#23
Vinyl Acetate
Concen: 102.948 ug/l
RT: 6.594 min Scan# 78
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 43 Resp: 431313

Ion	Ratio	Lower	Upper
43	100		
86	11.6	8.9	13.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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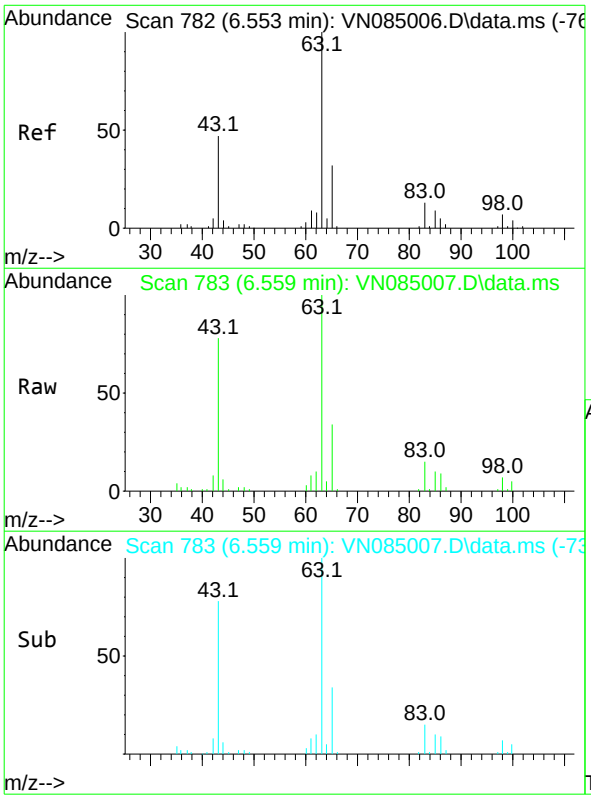
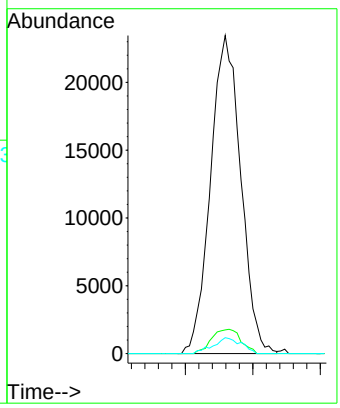
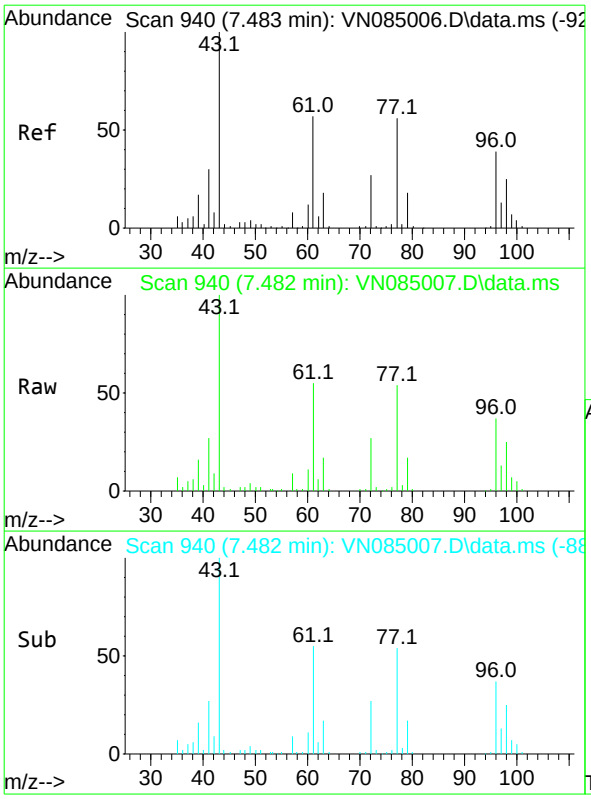


#24
1,1-Dichloroethane
Concen: 20.116 ug/l
RT: 6.559 min Scan# 783
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 63 Resp: 73105

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.3	9.8
100	5.0	2.2	6.6

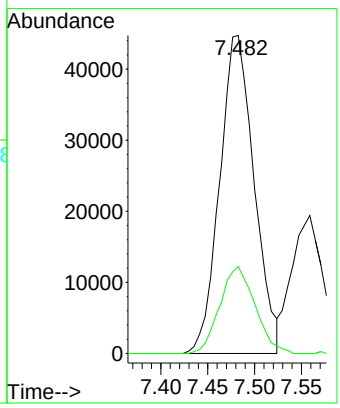




#25
2-Butanone
Concen: 100.226 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 43 Resp: 114635

Ion	Ratio	Lower	Upper
43	100		
72	27.4	21.4	32.0



Instrument :
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ClientSampleId :
VSTDICC020

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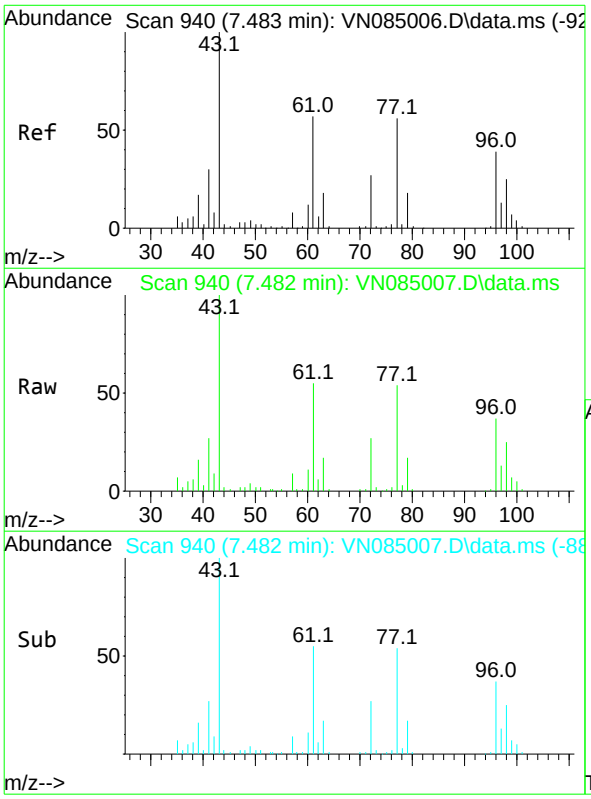
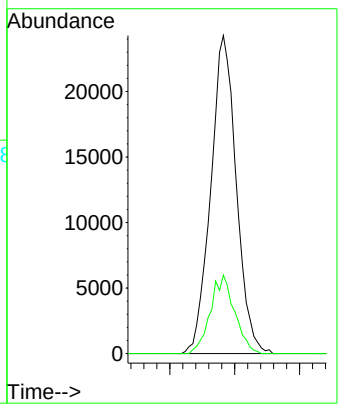
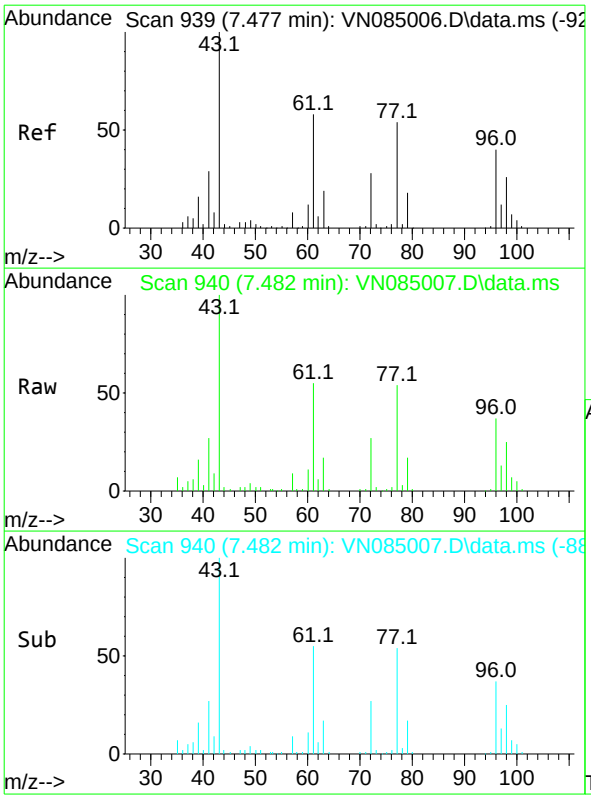


#26
2,2-Dichloropropane
Concen: 19.517 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 77 Resp: 66230

Ion	Ratio	Lower	Upper
77	100		
97	23.4	10.9	32.7

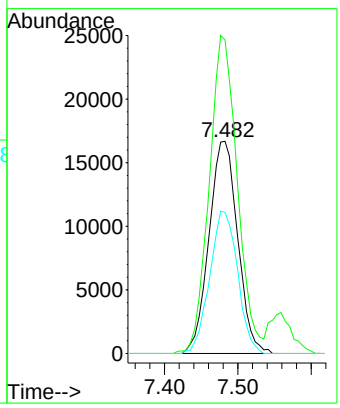




#27
cis-1,2-Dichloroethene
Concen: 19.953 ug/l
RT: 7.482 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 96 Resp: 45307

Ion	Ratio	Lower	Upper
96	100		
61	147.1	0.0	291.6
98	65.1	0.0	129.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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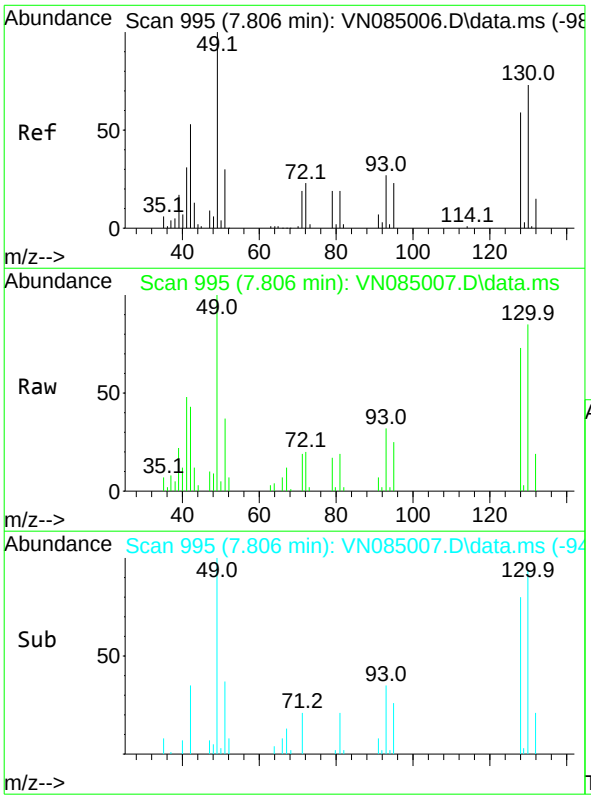
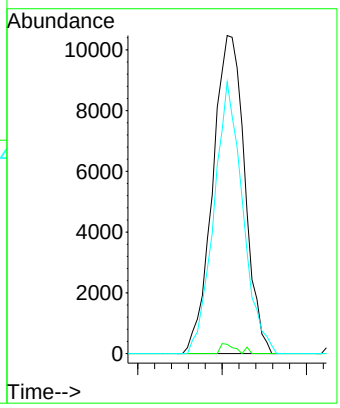
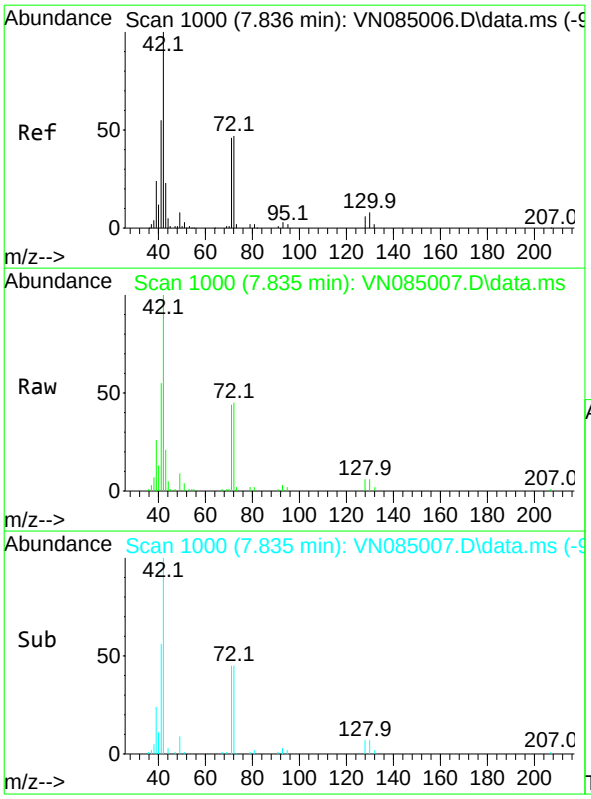


#28
Bromochloromethane
Concen: 20.092 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 49 Resp: 27564

Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.0
130	77.0	60.6	90.8

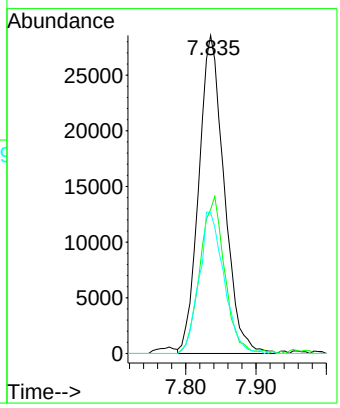




#29
Tetrahydrofuran
Concen: 100.618 ug/l
RT: 7.835 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 42 Resp: 71566

Ion	Ratio	Lower	Upper
42	100		
72	47.8	37.0	55.4
71	43.8	35.0	52.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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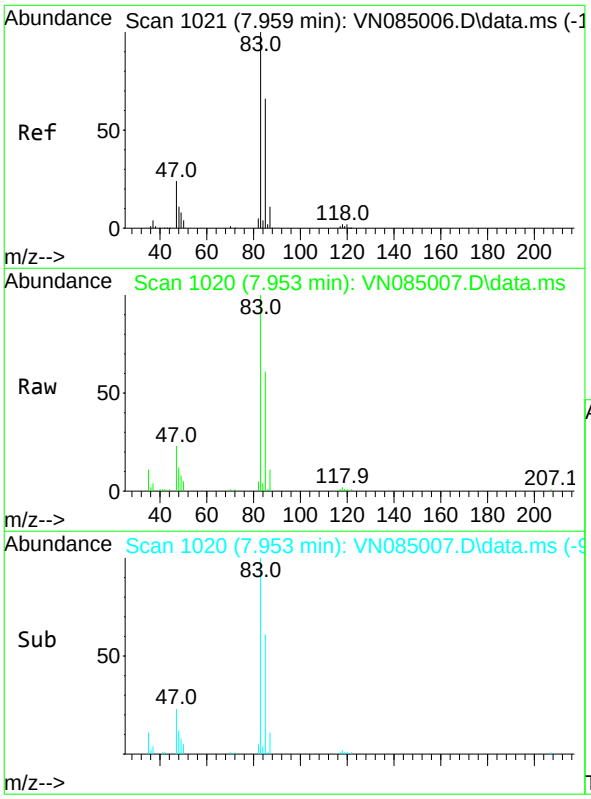
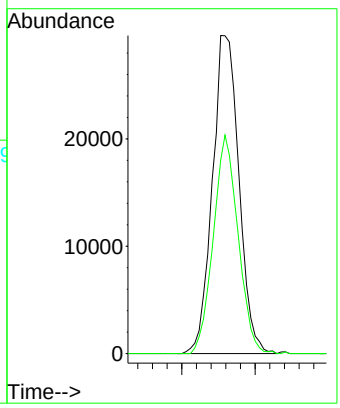
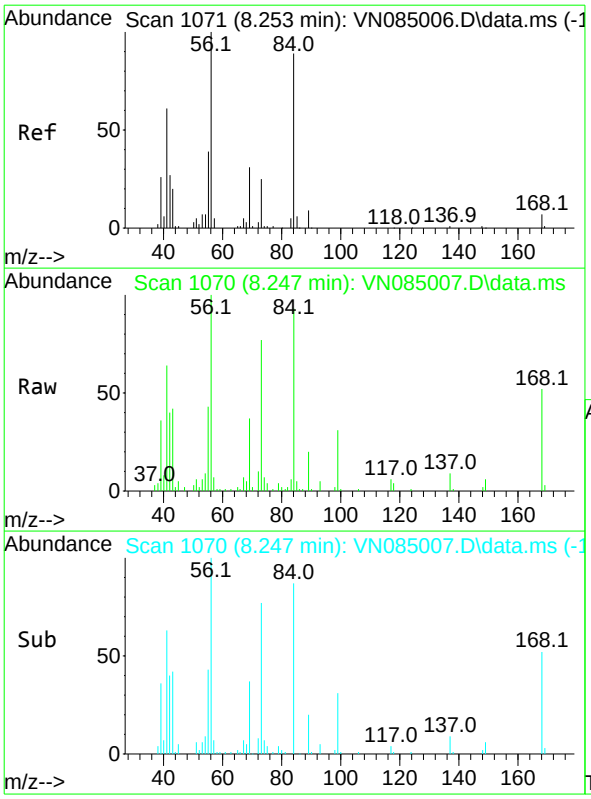


#30
Chloroform
Concen: 19.270 ug/l
RT: 7.953 min Scan# 1020
Delta R.T. -0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 83 Resp: 74495

Ion	Ratio	Lower	Upper
83	100		
85	60.8	52.6	78.8

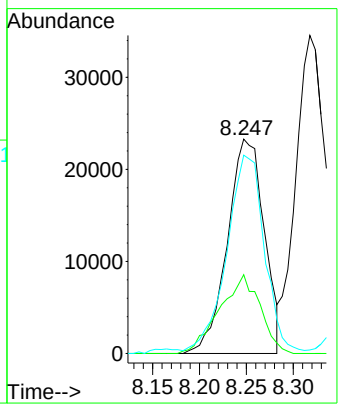




#31
Cyclohexane
Concen: 19.852 ug/l
RT: 8.247 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 56 Resp: 63521

Ion	Ratio	Lower	Upper
56	100		
69	36.7	24.6	36.8
84	90.7	71.4	107.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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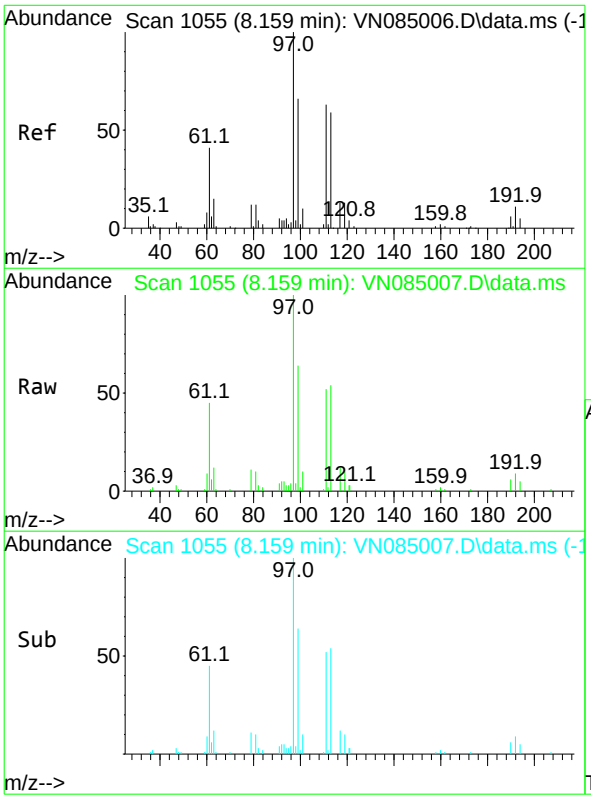
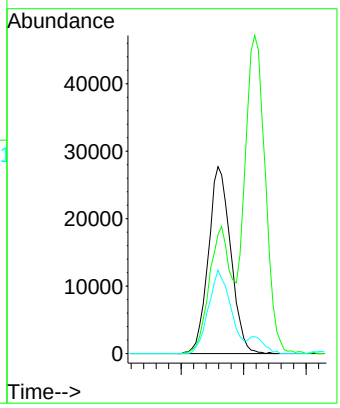
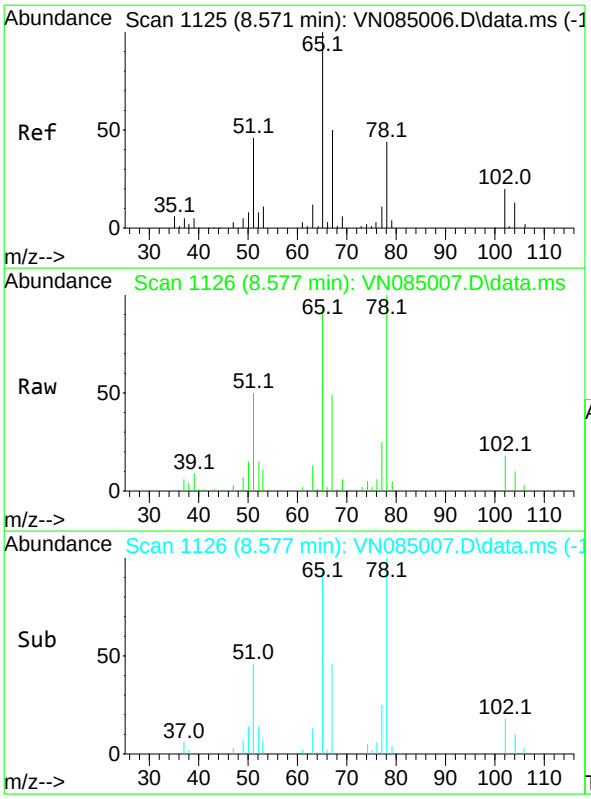


#32
1,1,1-Trichloroethane
Concen: 19.725 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 97 Resp: 68908

Ion	Ratio	Lower	Upper
97	100		
99	67.5	51.0	76.4
61	44.3	36.2	54.2

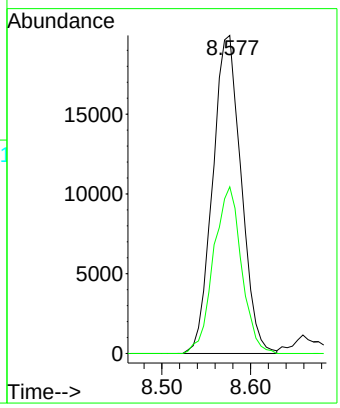




#33
1,2-Dichloroethane-d4
Concen: 18.483 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 65 Resp: 44399

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	105.0



Instrument :
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ClientSampleId :
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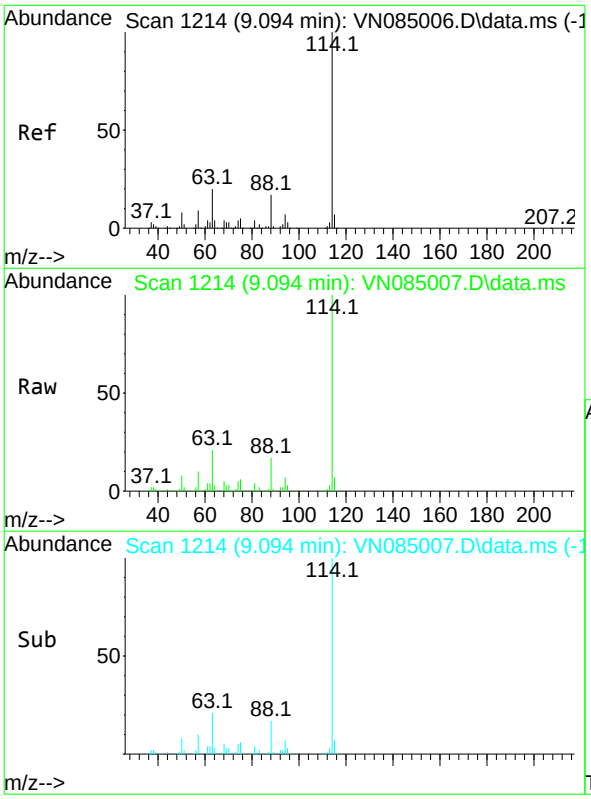
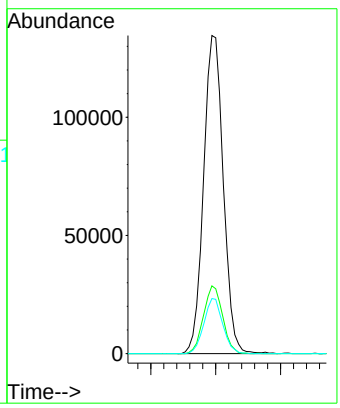
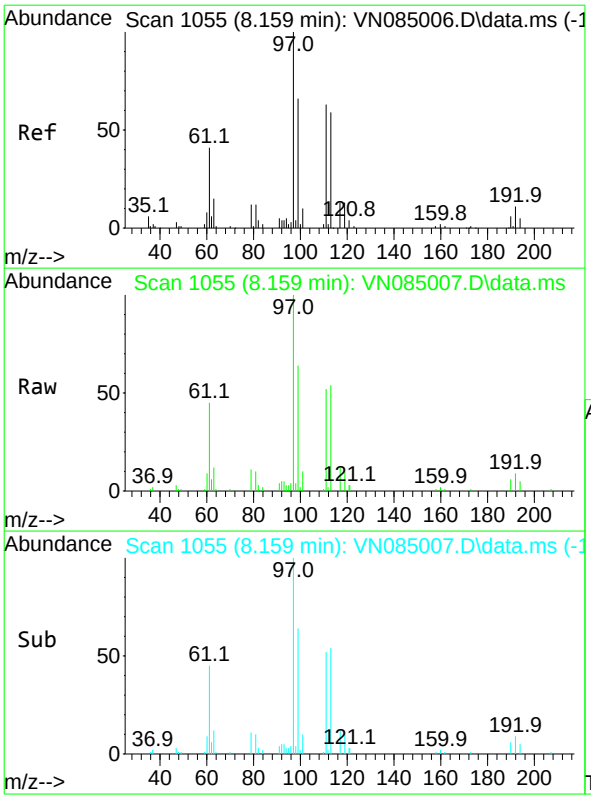


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:114 Resp: 283685

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	41.0
88	17.3	0.0	34.8

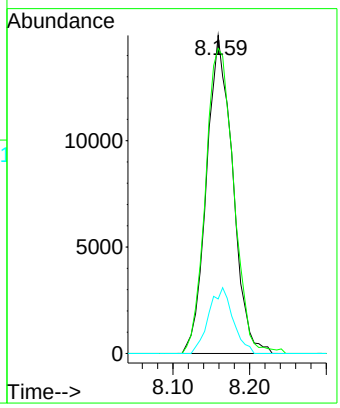




#35
Dibromofluoromethane
Concen: 18.466 ug/l
RT: 8.159 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:113 Resp: 35327

Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.0	123.0
192	19.2	14.8	22.2



Instrument :
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ClientSampleId :
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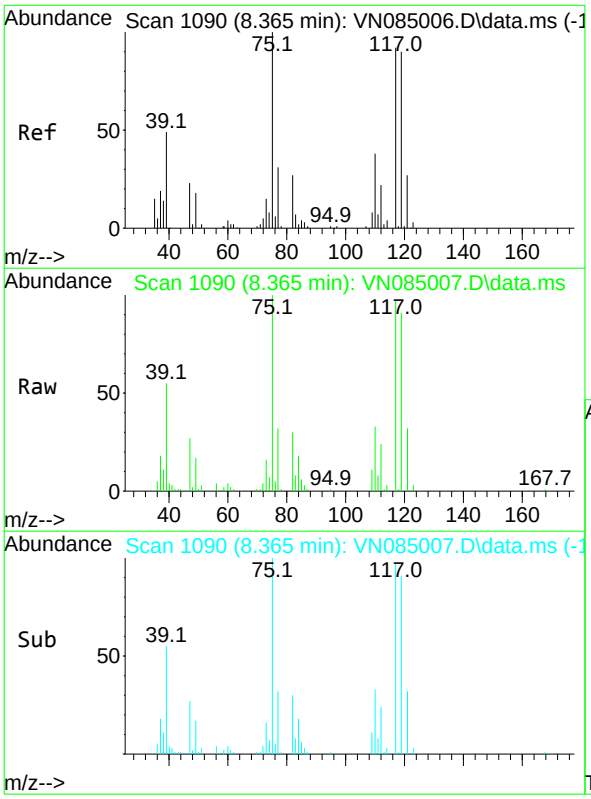
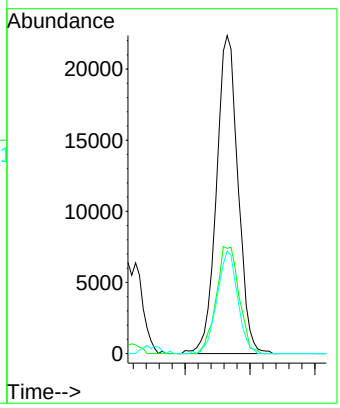
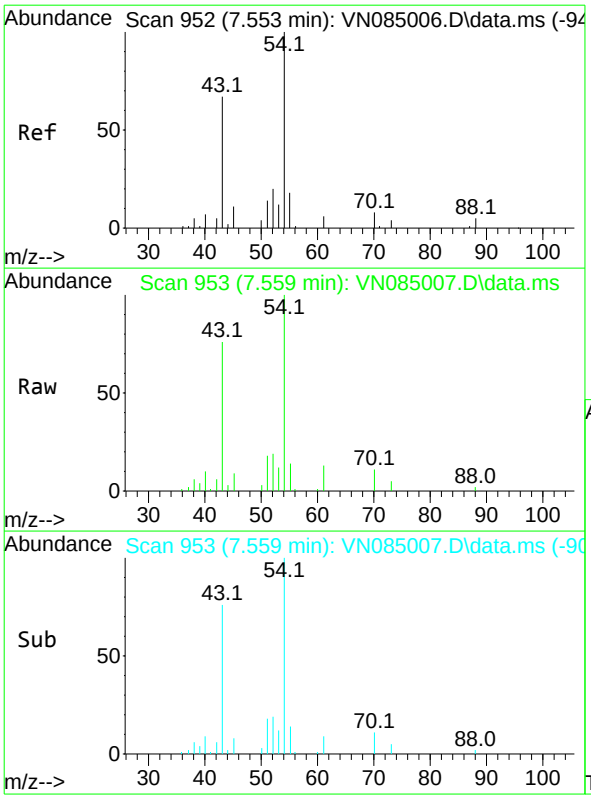


#36
1,1-Dichloropropene
Concen: 19.888 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 75 Resp: 51535

Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.2	51.6
77	30.9	24.2	36.4

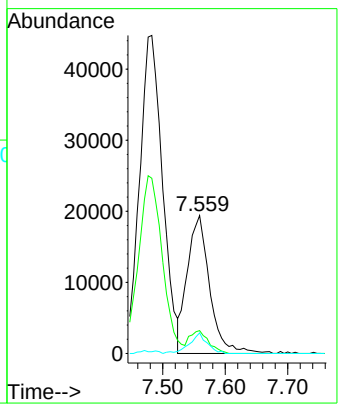




#37
Ethyl Acetate
Concen: 20.561 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 43 Resp: 48436

Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.7	17.5
70	11.7	9.3	13.9



Instrument :
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ClientSampleId :
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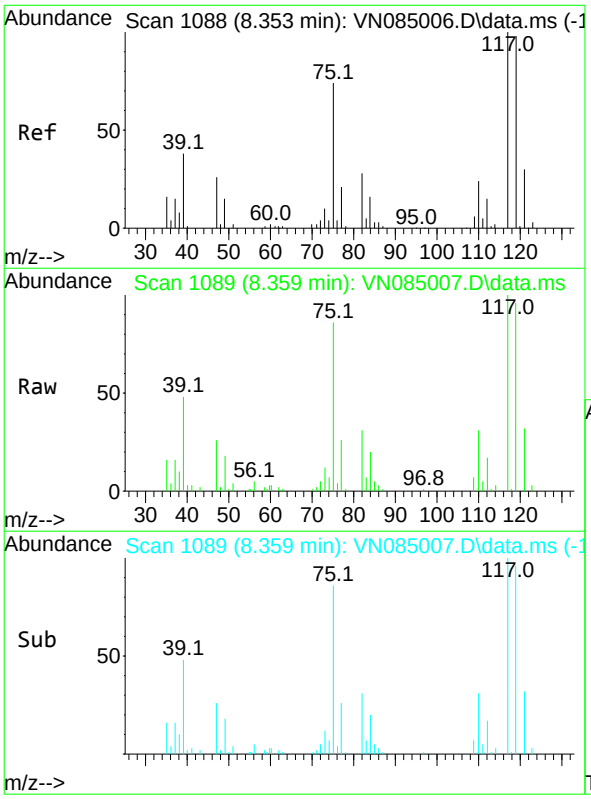
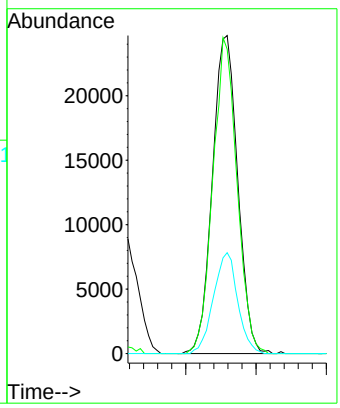
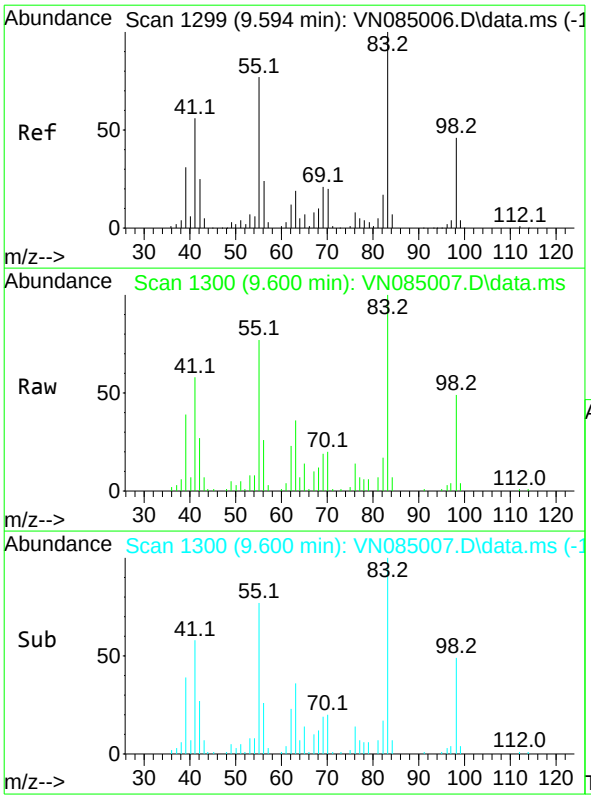


#38
Carbon Tetrachloride
Concen: 20.593 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:117 Resp: 61594

Ion	Ratio	Lower	Upper
117	100		
119	95.7	78.6	117.8
121	31.7	24.2	36.2

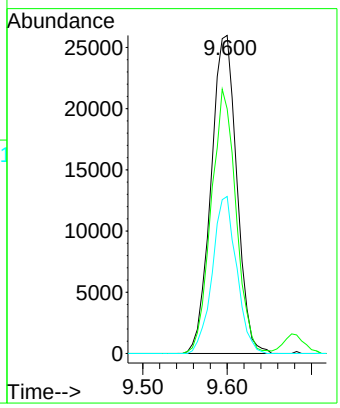




#39
Methylcyclohexane
Concen: 20.464 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 83 Resp: 55102

Ion	Ratio	Lower	Upper
83	100		
55	76.9	61.8	92.6
98	49.4	37.0	55.6



Instrument :
MSVOA_N
ClientSampleId :
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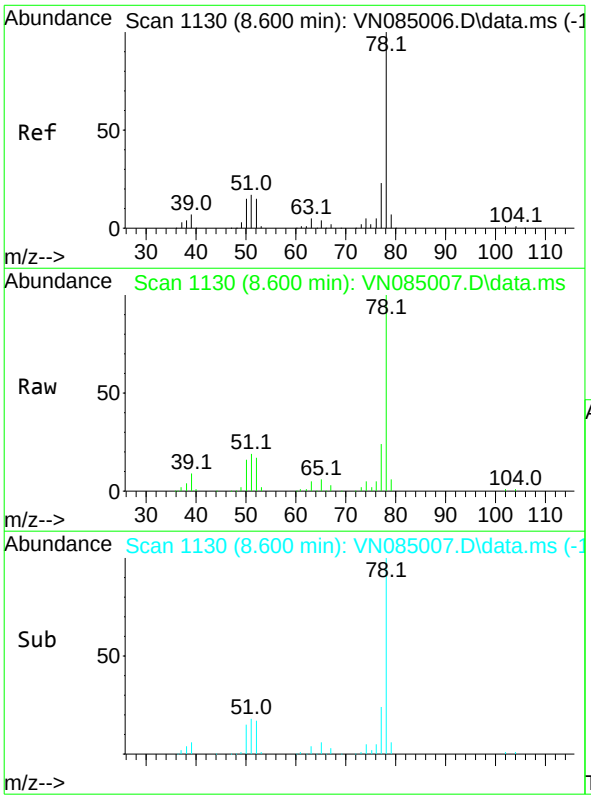
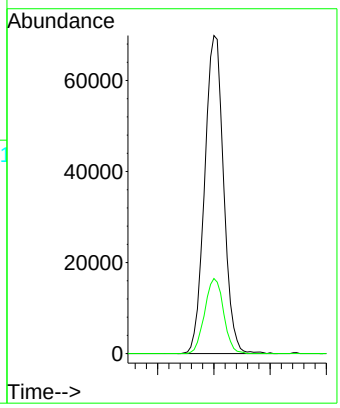
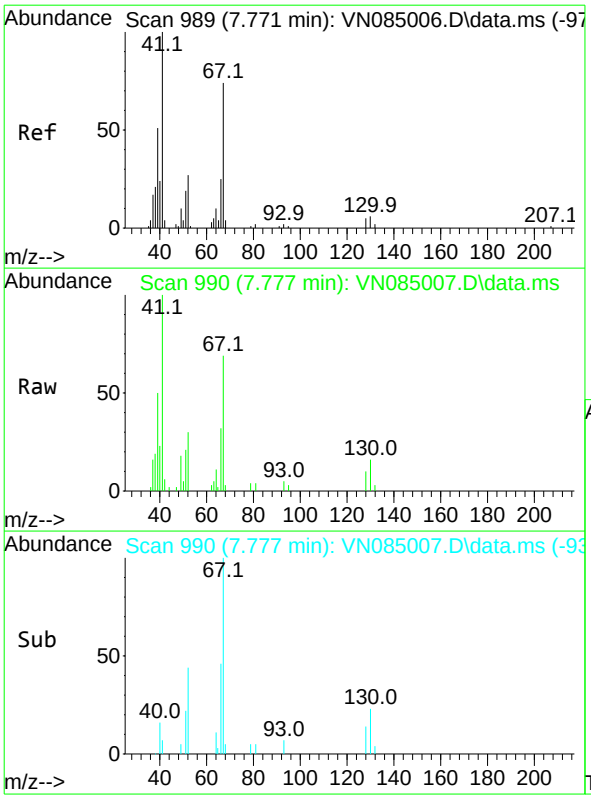


#40
Benzene
Concen: 19.977 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 78 Resp: 163727

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.5	27.7

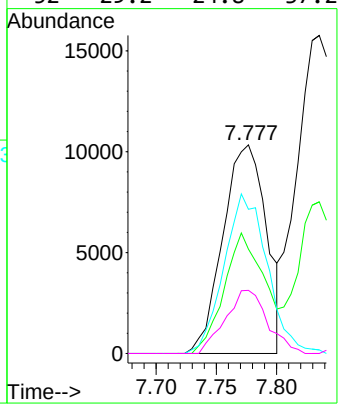




#41
Methacrylonitrile
Concen: 19.942 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 41 Resp: 26011

Ion	Ratio	Lower	Upper
41	100		
39	53.0	42.6	63.8
67	75.9	59.9	89.9
52	29.2	24.8	37.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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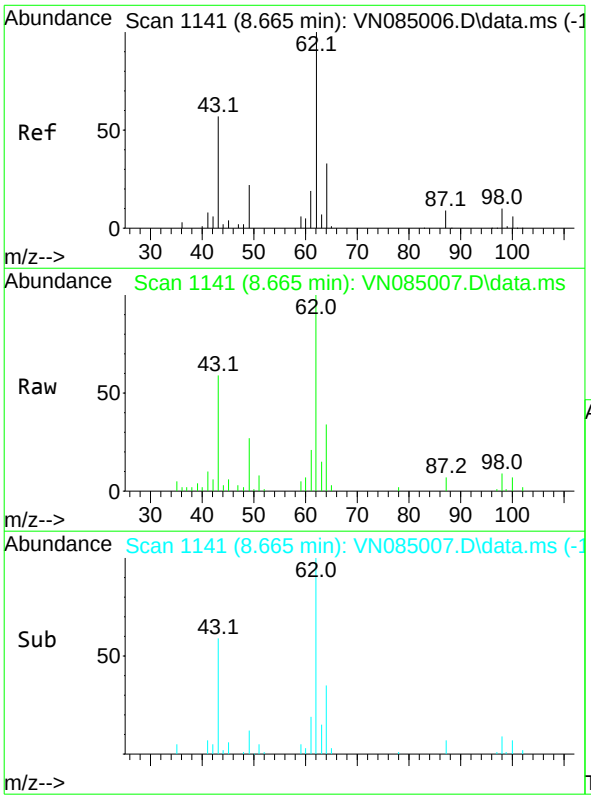
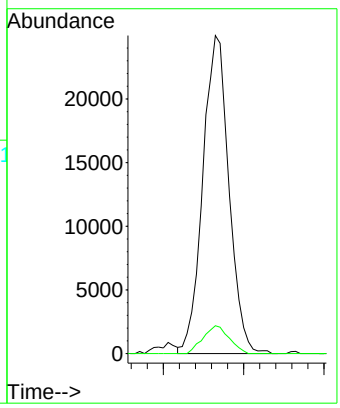
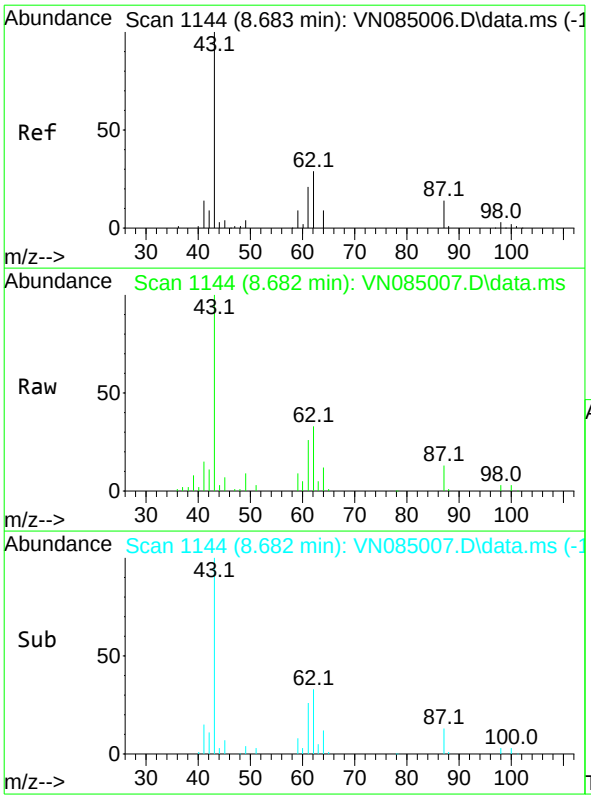


#42
1,2-Dichloroethane
Concen: 20.106 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 62 Resp: 56374

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.2

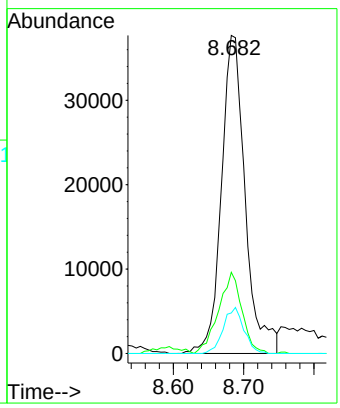




#43
Isopropyl Acetate
Concen: 18.116 ug/l
RT: 8.682 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 43 Resp: 88647

Ion	Ratio	Lower	Upper
43	100		
61	25.1	20.6	30.8
87	12.6	11.0	16.4



Instrument :
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ClientSampleId :
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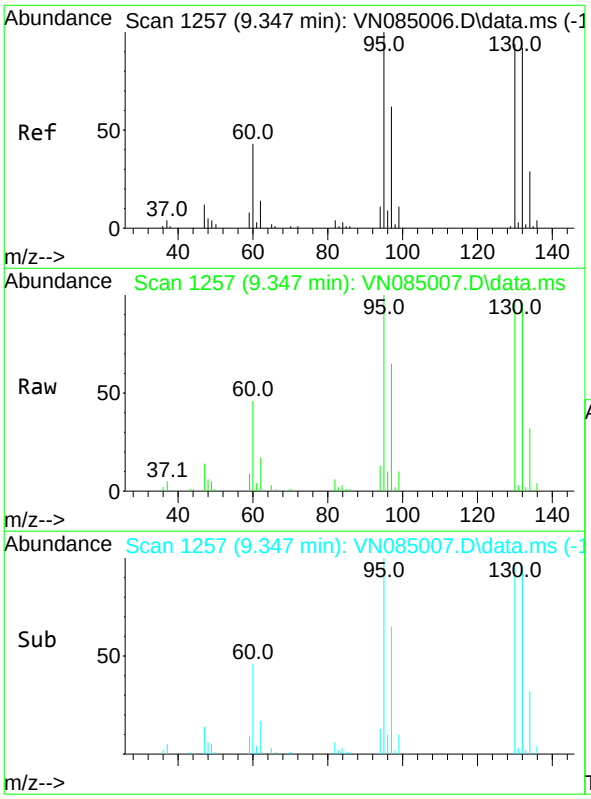
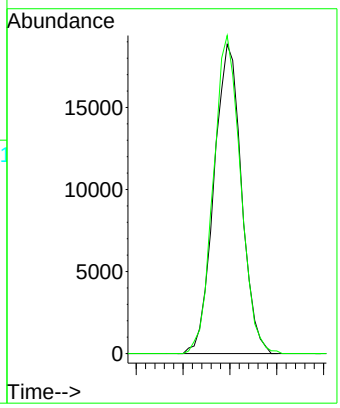
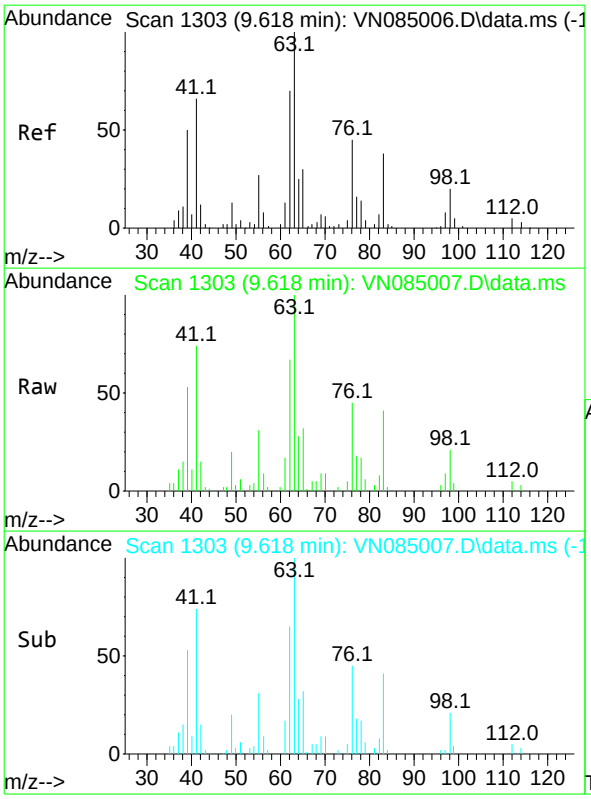


#44
Trichloroethene
Concen: 20.127 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:130 Resp: 38334

Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	213.4

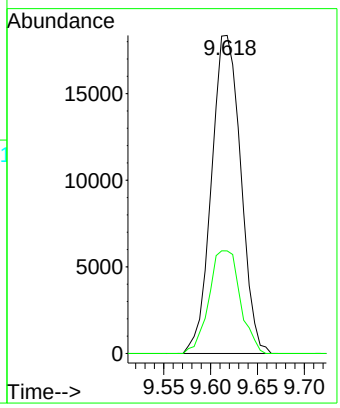




#45
1,2-Dichloropropane
Concen: 19.742 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 63 Resp: 39852

Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.0	36.0



Instrument :
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ClientSampleId :
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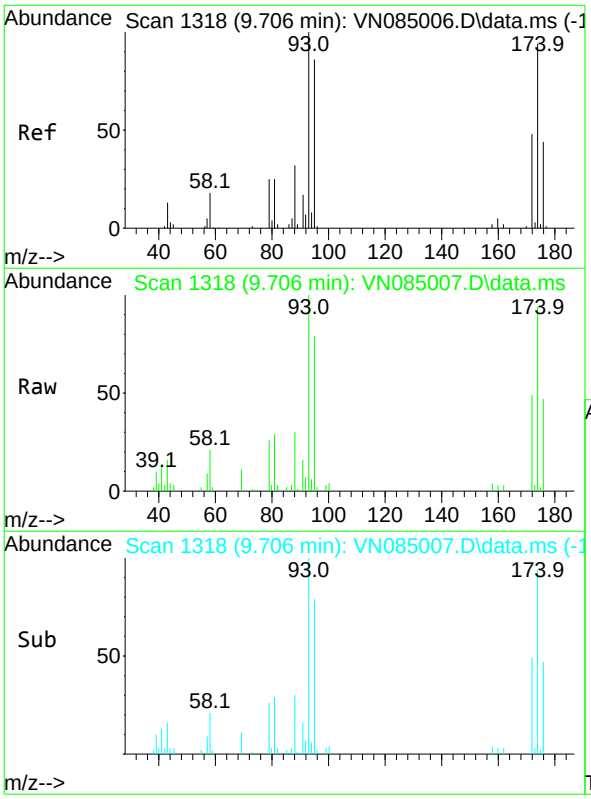
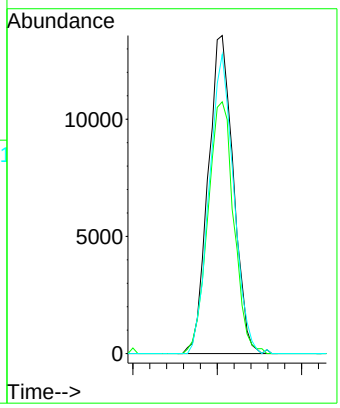
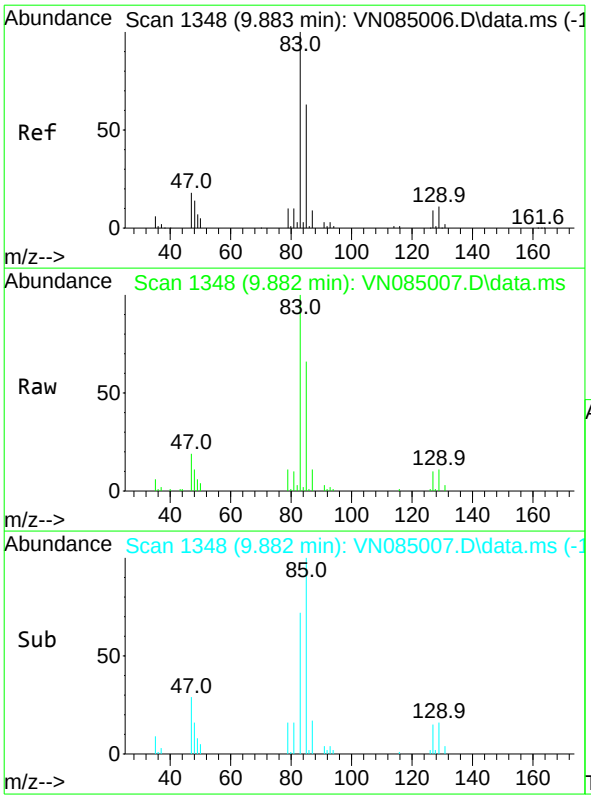


#46
Dibromomethane
Concen: 20.062 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 93 Resp: 28140

Ion	Ratio	Lower	Upper
93	100		
95	81.2	66.2	99.4
174	91.4	74.9	112.3

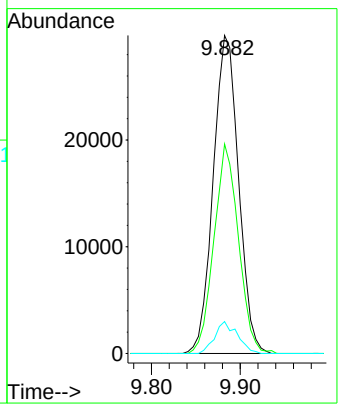




#47
Bromodichloromethane
Concen: 19.849 ug/l
RT: 9.882 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 83 Resp: 59008

Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.5	75.7
127	10.0	7.1	10.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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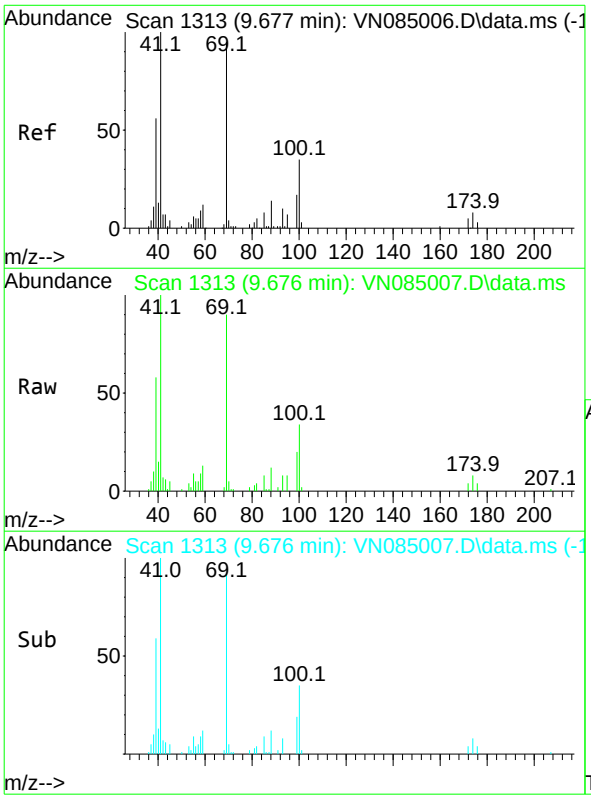
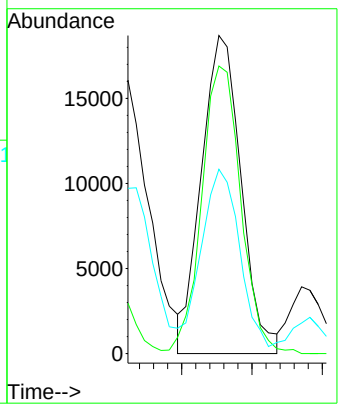
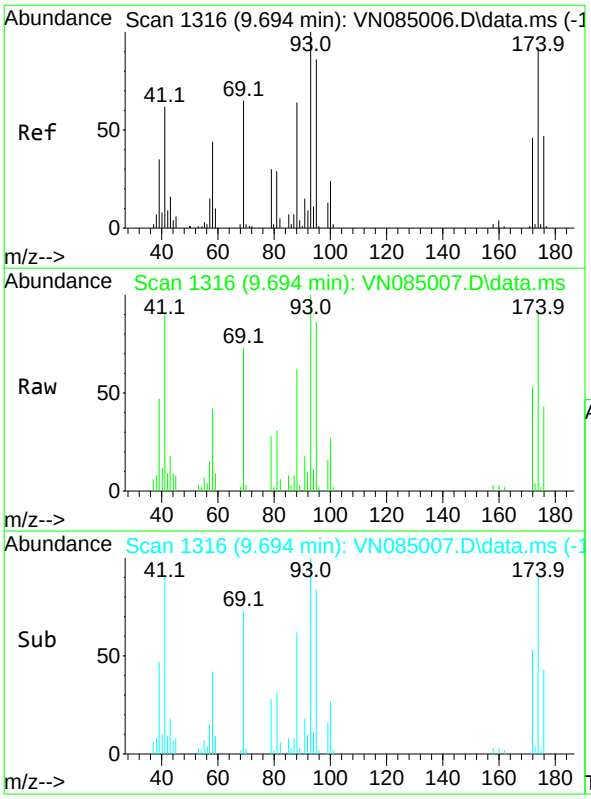


#48
Methyl methacrylate
Concen: 20.148 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 41 Resp: 36687

Ion	Ratio	Lower	Upper
41	100		
69	89.2	73.2	109.8
39	56.9	46.2	69.4

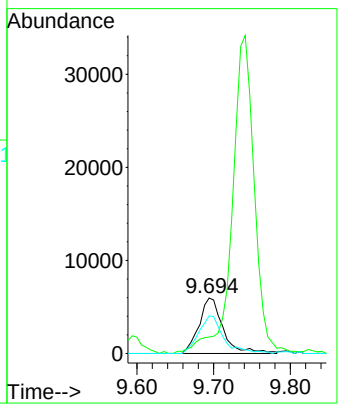




#49
1,4-Dioxane
Concen: 410.958 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 88 Resp: 12977

Ion	Ratio	Lower	Upper
88	100		
43	0.0	16.7	25.1#
58	70.3	56.5	84.7



Instrument :
MSVOA_N
ClientSampleId :
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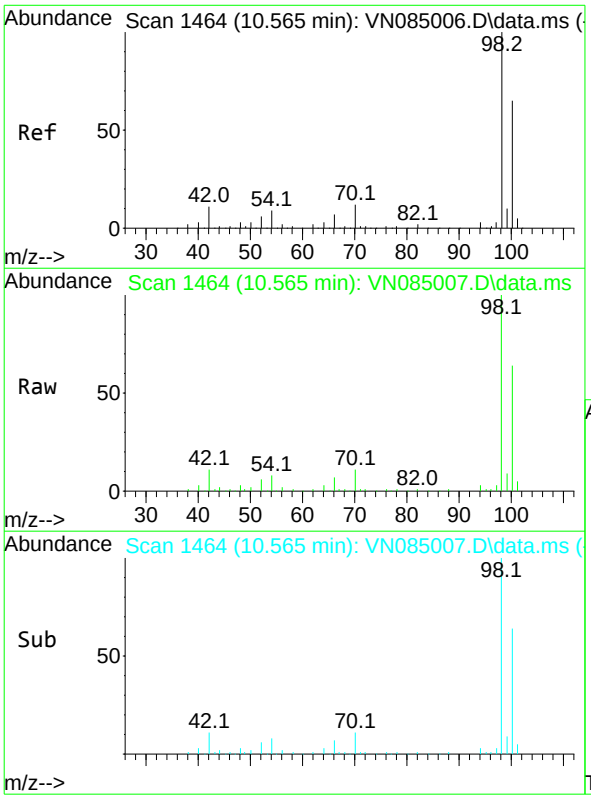
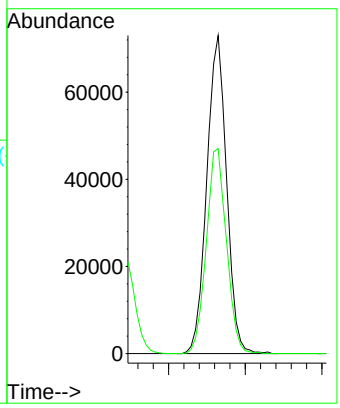
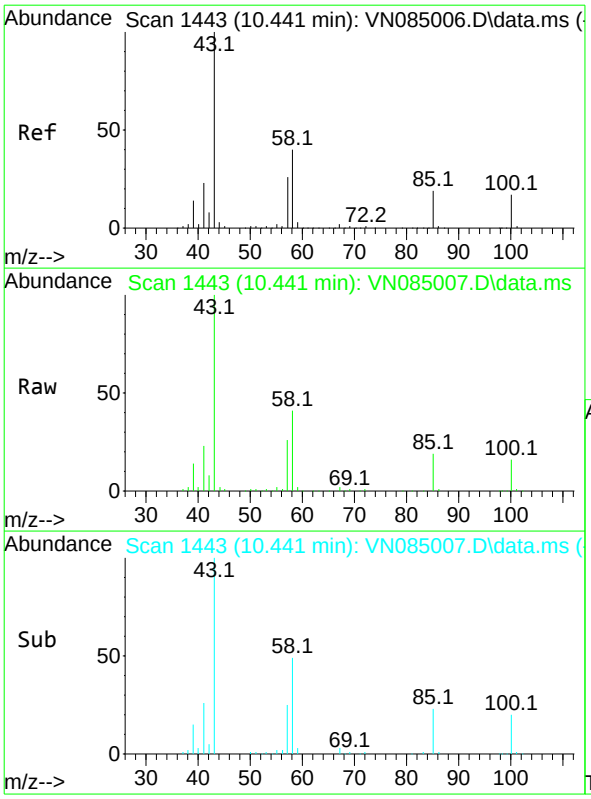


#50
Toluene-d8
Concen: 19.066 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 98 Resp: 130719

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.5	78.7

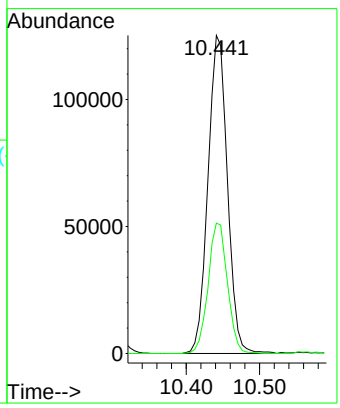




#51
4-Methyl-2-Pentanone
Concen: 103.015 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 43 Resp: 230239

Ion	Ratio	Lower	Upper
43	100		
58	40.7	32.1	48.1



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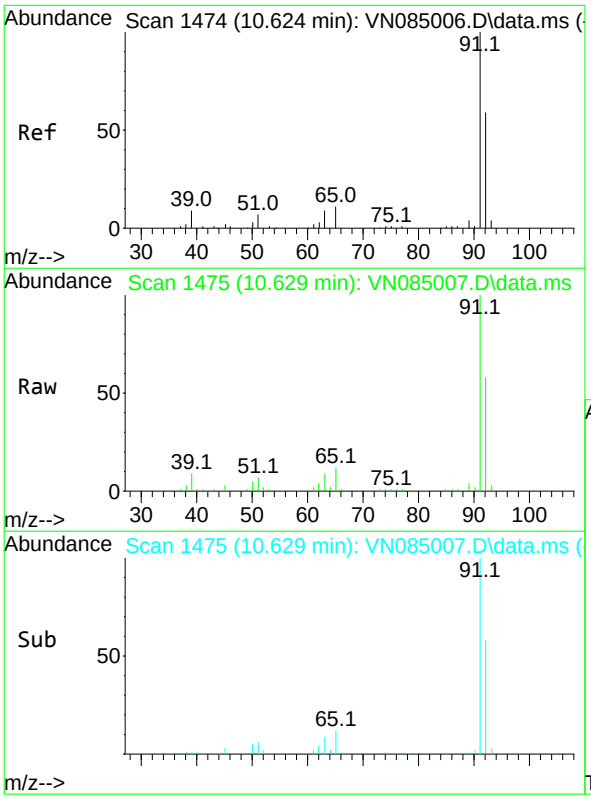
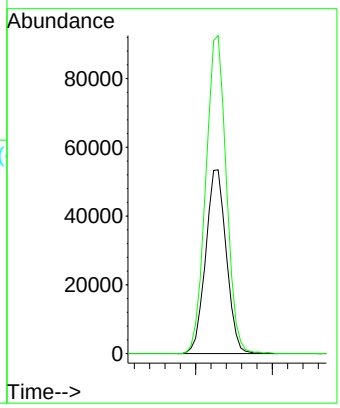
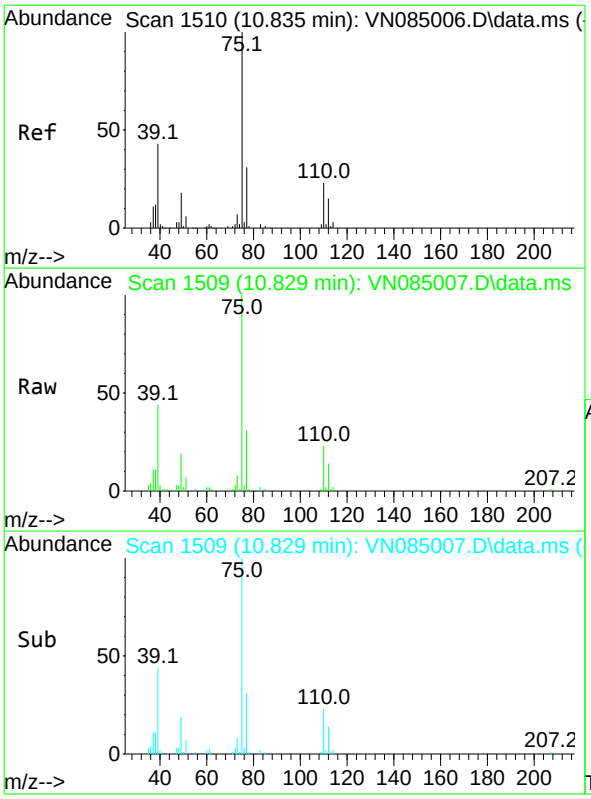


#52
Toluene
Concen: 20.615 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 92 Resp: 100021

Ion	Ratio	Lower	Upper
92	100		
91	171.9	136.7	205.1

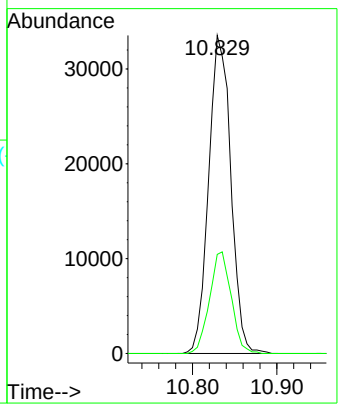




#53
t-1,3-Dichloropropene
Concen: 20.539 ug/l
RT: 10.829 min Scan# 15
Delta R.T. -0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 75 Resp: 61215

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4



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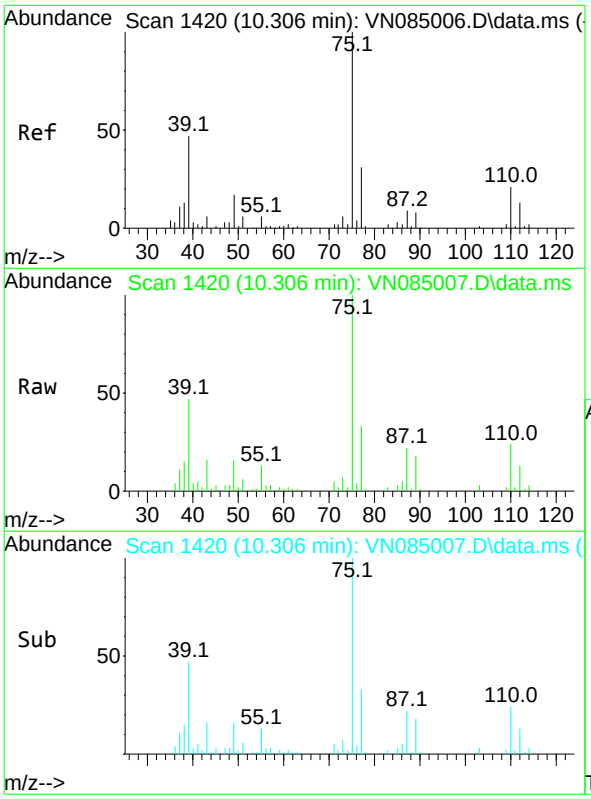
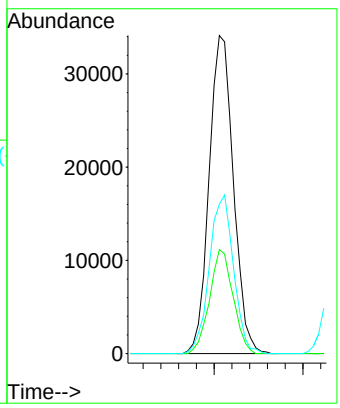
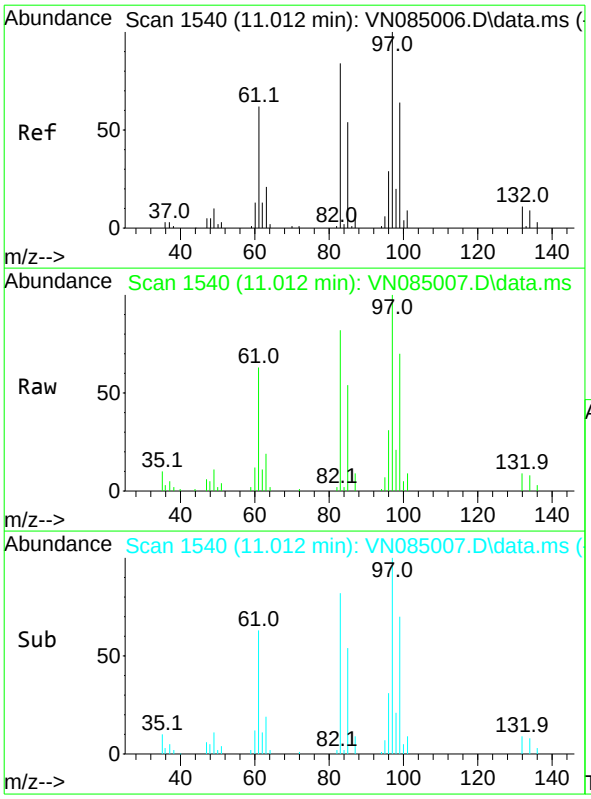


#54
cis-1,3-Dichloropropene
Concen: 20.501 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 75 Resp: 64823

Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.0	37.4
39	47.0	37.6	56.4

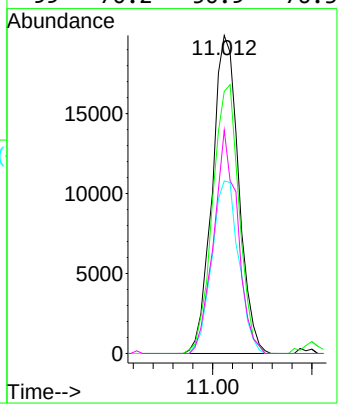




#55
1,1,2-Trichloroethane
Concen: 20.326 ug/l
RT: 11.012 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 97 Resp: 36732

Ion	Ratio	Lower	Upper
97	100		
83	82.4	67.4	101.2
85	54.3	43.1	64.7
99	70.2	50.9	76.3



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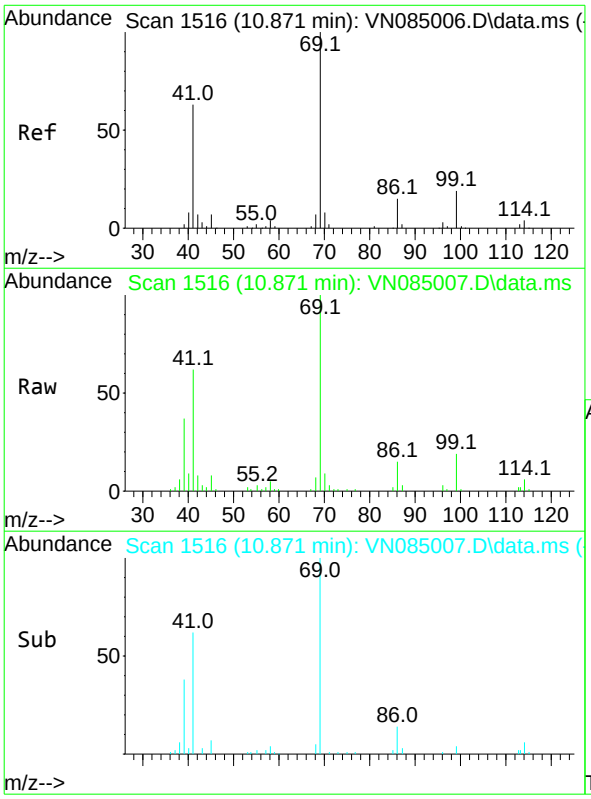
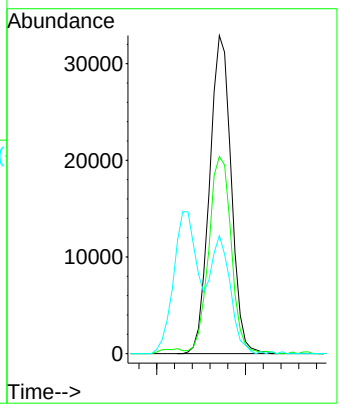
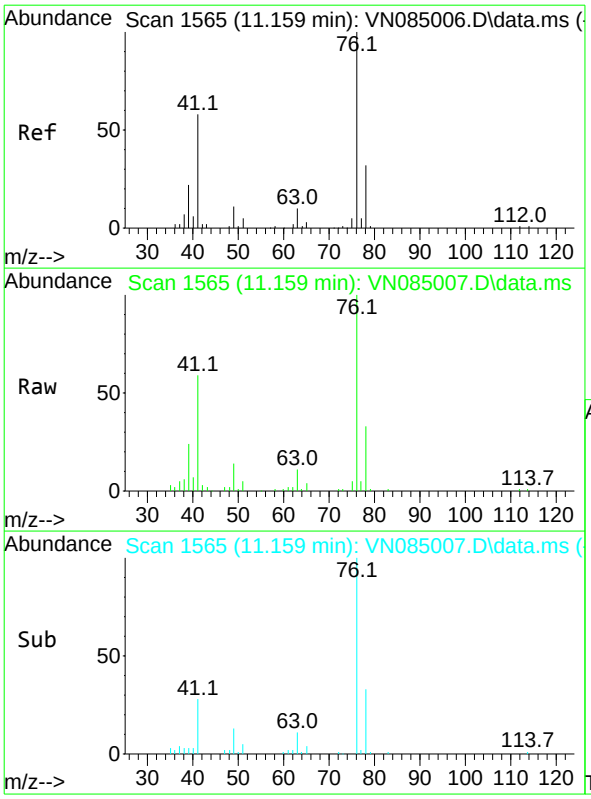


#56
Ethyl methacrylate
Concen: 21.089 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 69 Resp: 55691

Ion	Ratio	Lower	Upper
69	100		
41	64.8	50.0	75.0
39	34.2	27.0	40.6

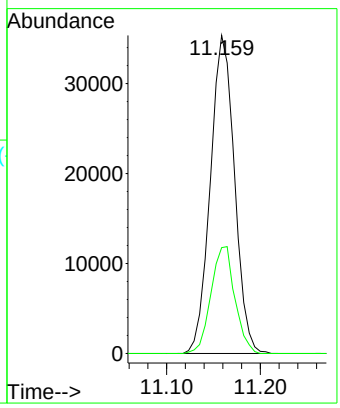




#57
1,3-Dichloropropane
Concen: 19.906 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 76 Resp: 63314

Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.1	39.1



Instrument :
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ClientSampleId :
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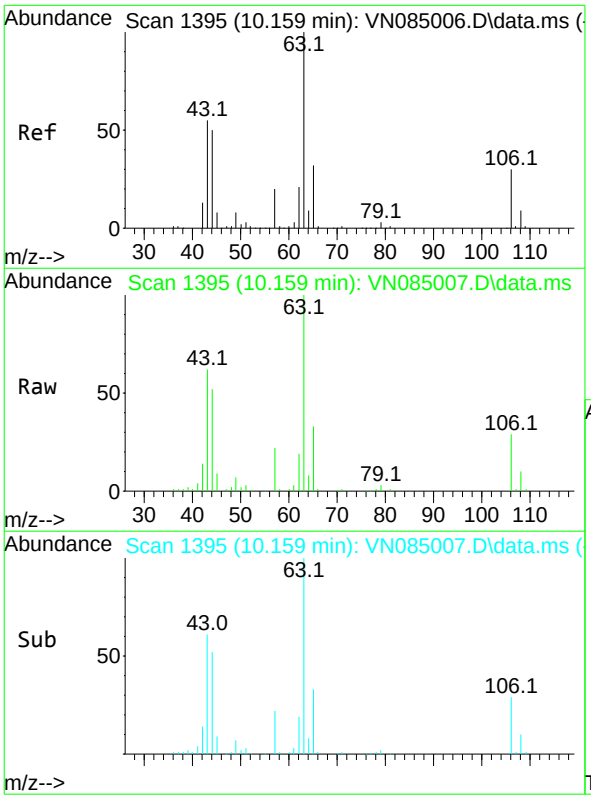
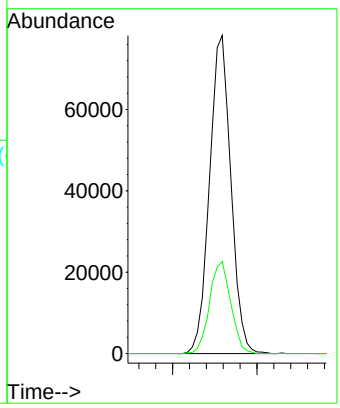
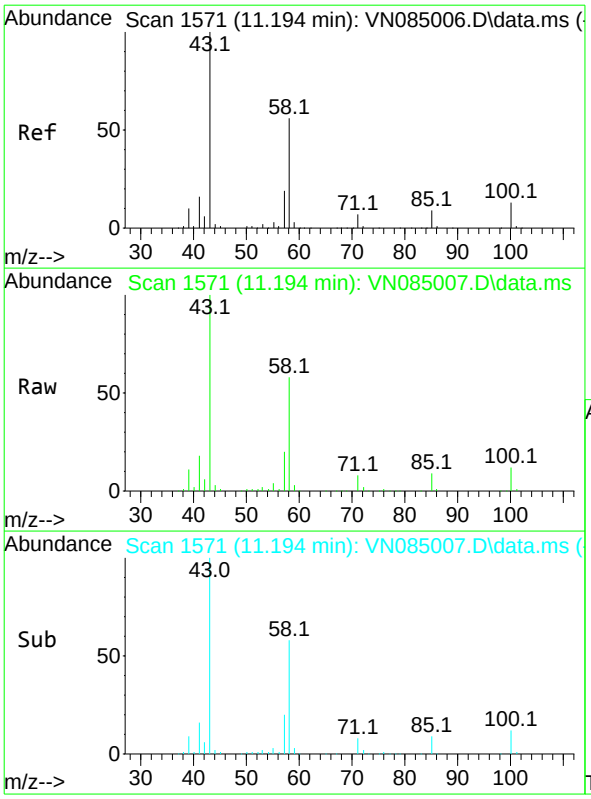


#58
2-Chloroethyl Vinyl ether
Concen: 106.227 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 63 Resp: 137602

Ion	Ratio	Lower	Upper
63	100		
106	28.7	23.0	34.6

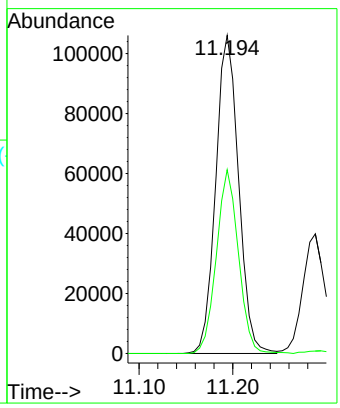




#59
2-Hexanone
Concen: 107.514 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 43 Resp: 179717

Ion	Ratio	Lower	Upper
43	100		
58	55.7	28.3	85.0



Instrument :
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ClientSampleId :
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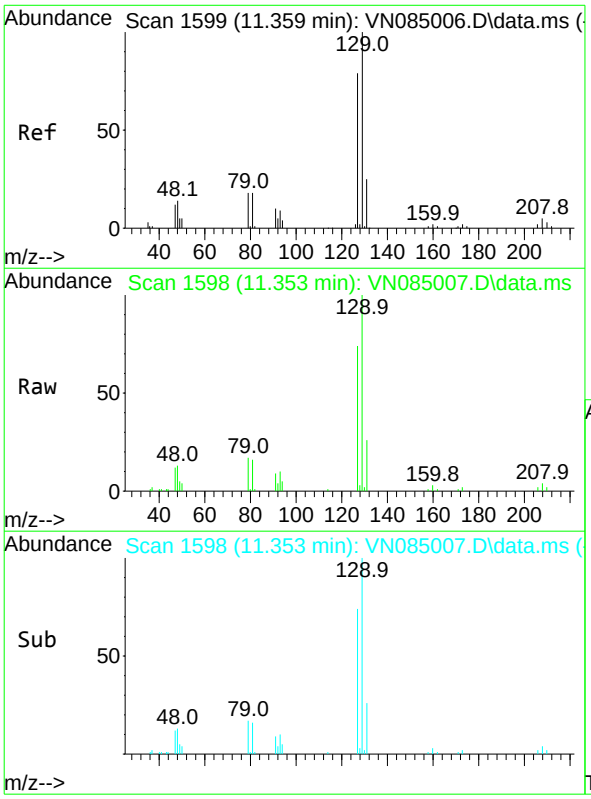
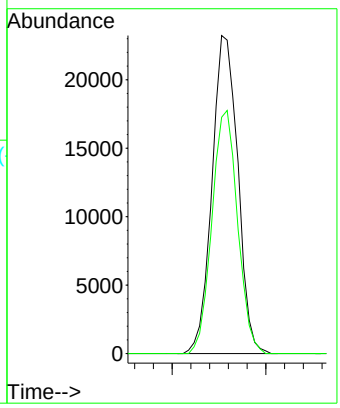
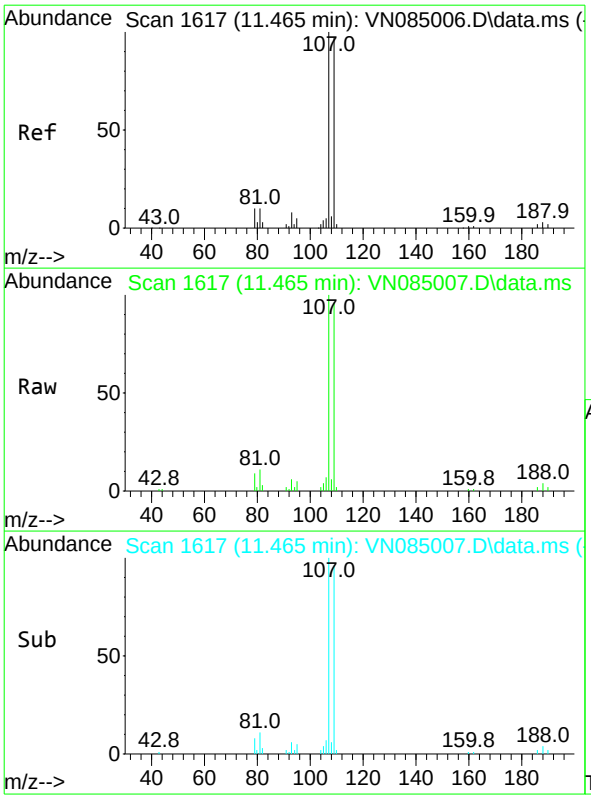


#60
Dibromochloromethane
Concen: 20.126 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:129 Resp: 44450

Ion	Ratio	Lower	Upper
129	100		
127	75.9	39.2	117.6

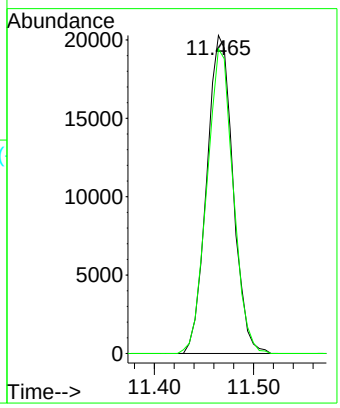




#61
1,2-Dibromoethane
Concen: 19.905 ug/l
RT: 11.465 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:107 Resp: 37228

Ion	Ratio	Lower	Upper
107	100		
109	96.2	76.1	114.1



Instrument :
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ClientSampleId :
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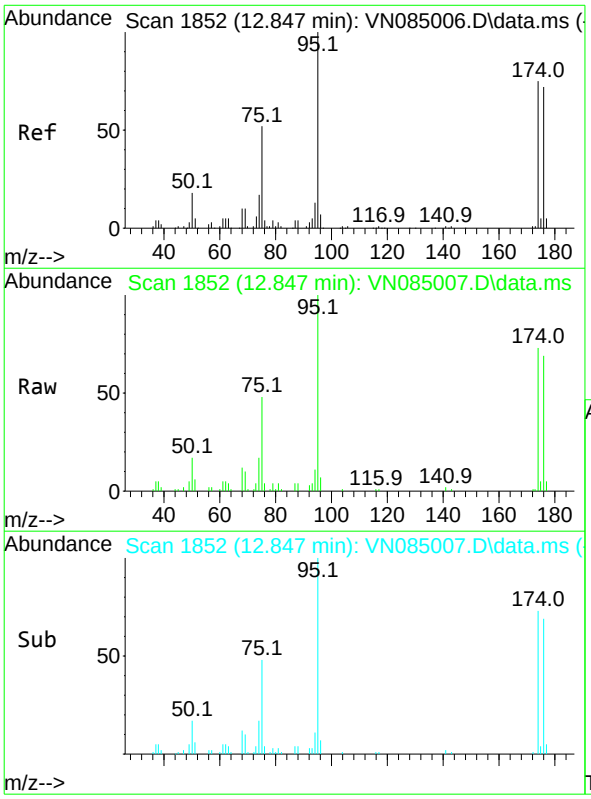
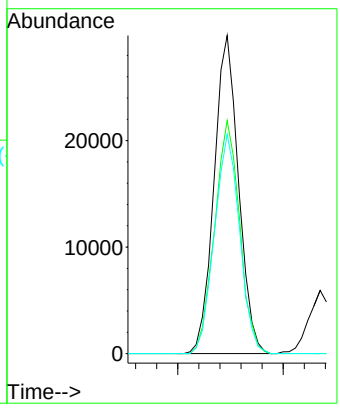
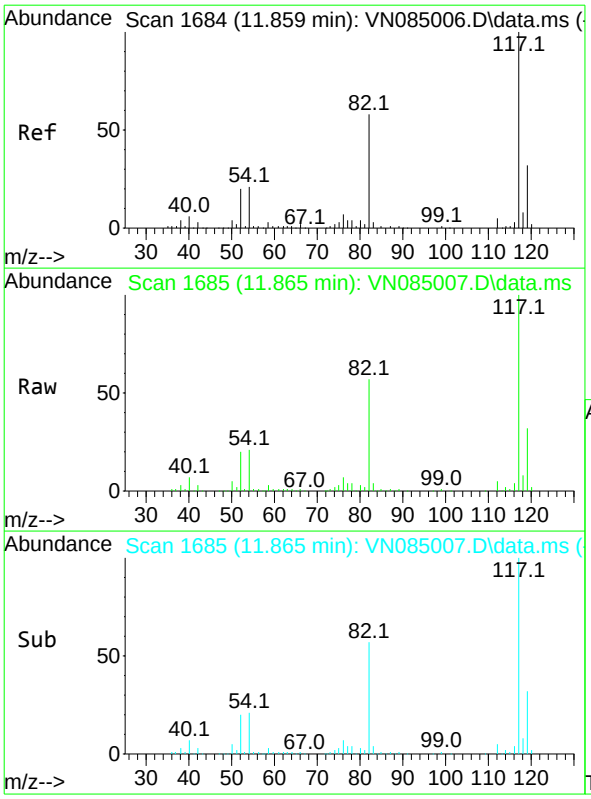


#62
4-Bromofluorobenzene
Concen: 18.797 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 95 Resp: 48193

Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	146.6
176	70.8	0.0	141.8

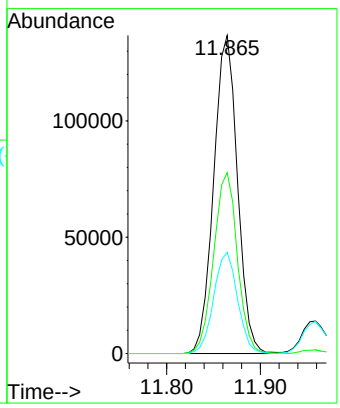




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:117 Resp: 240895

Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.0	69.0
119	31.8	25.6	38.4



Instrument :
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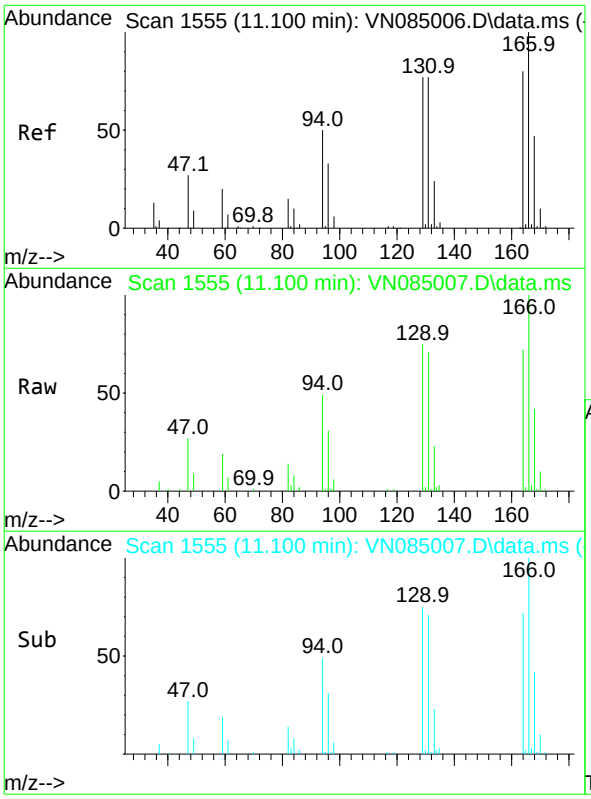
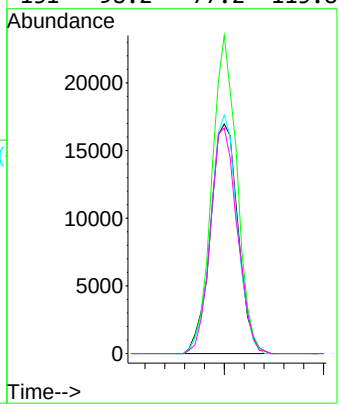
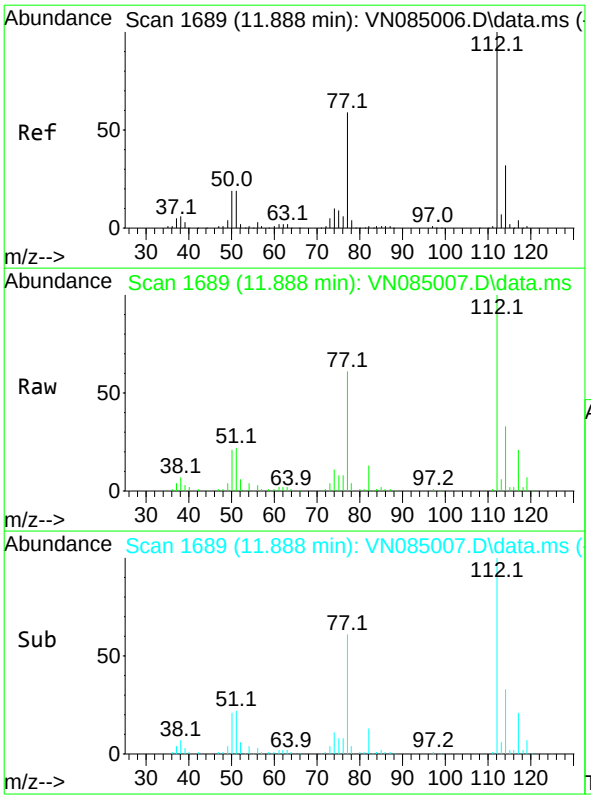


#64
Tetrachloroethene
Concen: 20.155 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:164 Resp: 32716

Ion	Ratio	Lower	Upper
164	100		
166	138.5	100.6	151.0
129	103.9	77.7	116.5
131	98.2	77.2	115.8

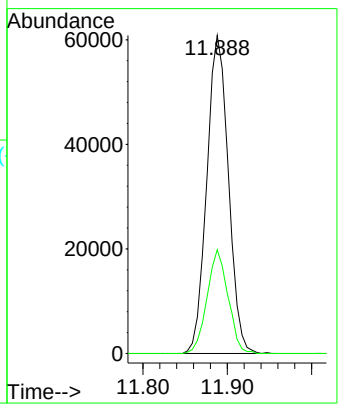




#65
Chlorobenzene
Concen: 19.815 ug/l
RT: 11.888 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:112 Resp: 108255

Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.8	38.6



Instrument :
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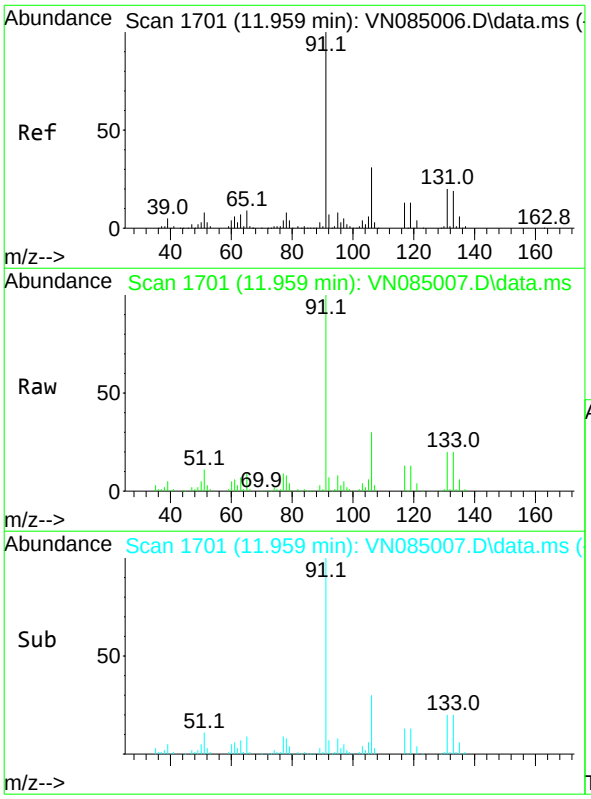
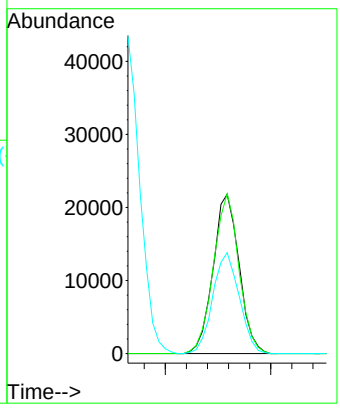
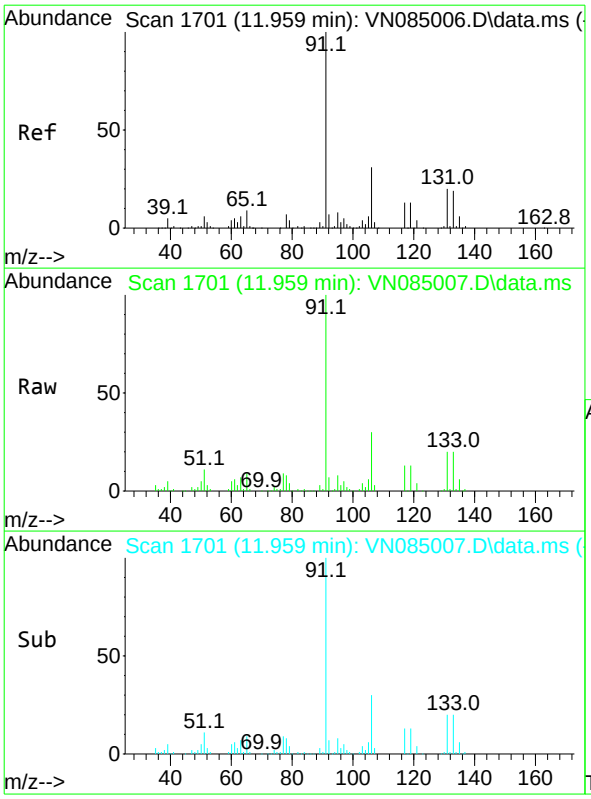


#66
1,1,1,2-Tetrachloroethane
Concen: 19.446 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:131 Resp: 37404

Ion	Ratio	Lower	Upper
131	100		
133	98.4	47.8	143.4
119	64.4	32.1	96.3

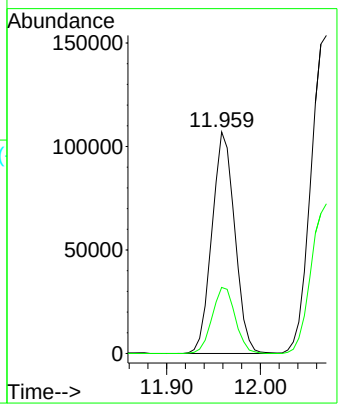




#67
Ethyl Benzene
Concen: 20.440 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 91 Resp: 181169

Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.7	37.1



Instrument :
MSVOA_N
ClientSampleId :
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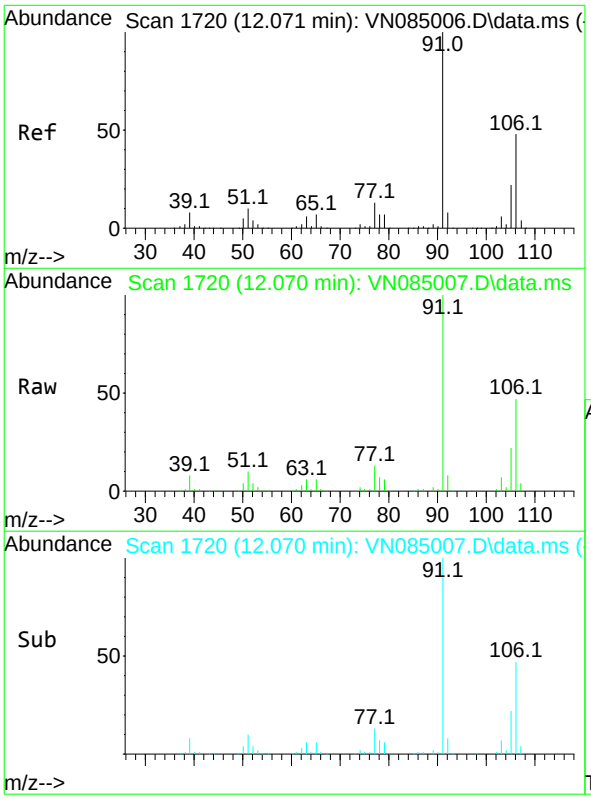
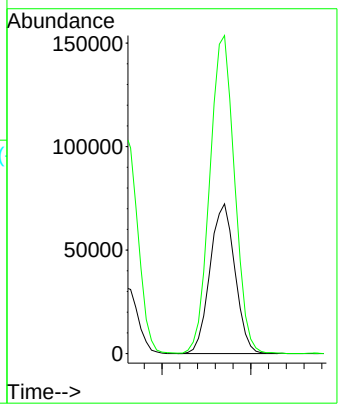
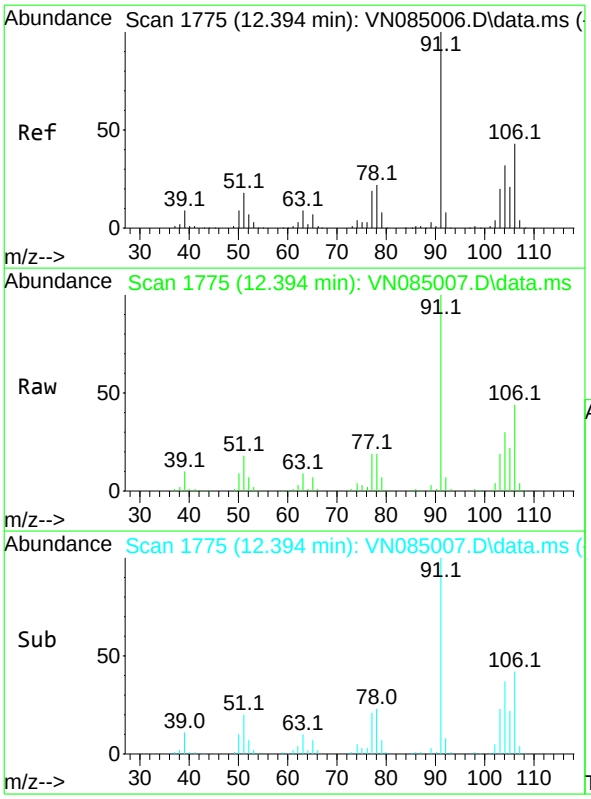


#68
m/p-Xylenes
Concen: 41.824 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:106 Resp: 141133

Ion	Ratio	Lower	Upper
106	100		
91	211.1	168.0	252.0

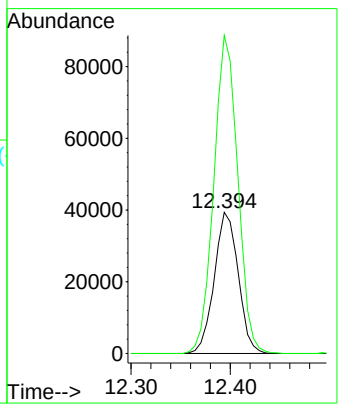




#69
o-Xylene
Concen: 20.565 ug/l
RT: 12.394 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:106 Resp: 66013

Ion	Ratio	Lower	Upper
106	100		
91	225.4	110.7	331.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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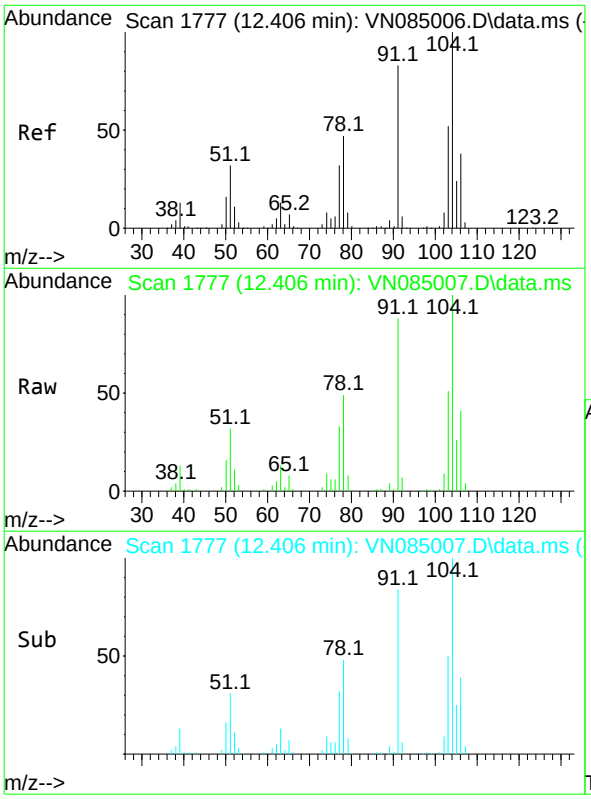
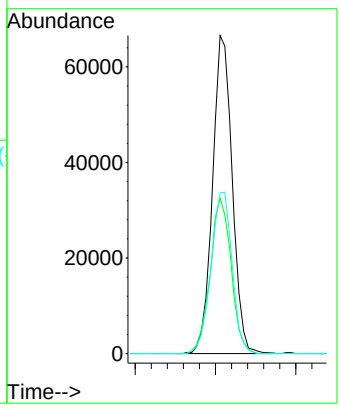
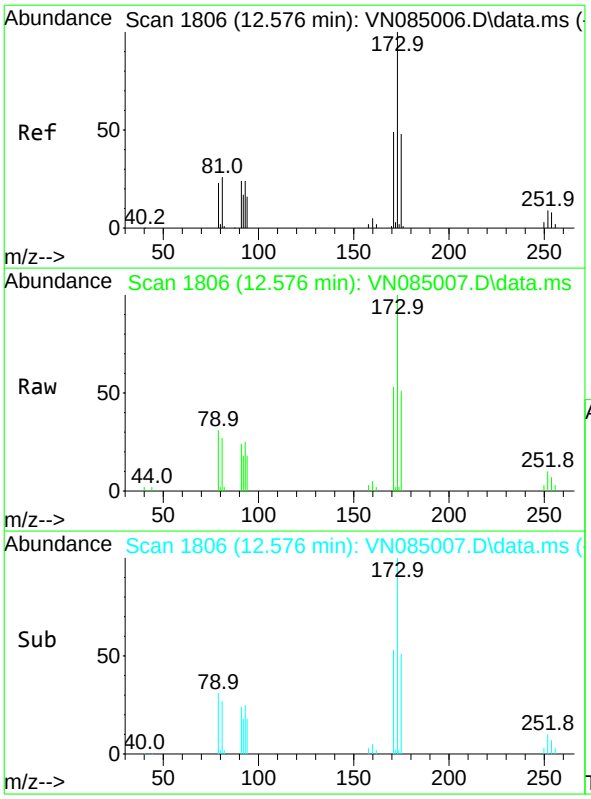


#70
Styrene
Concen: 21.263 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:104 Resp: 113503

Ion	Ratio	Lower	Upper
104	100		
78	51.9	42.3	63.5
103	54.2	44.2	66.2

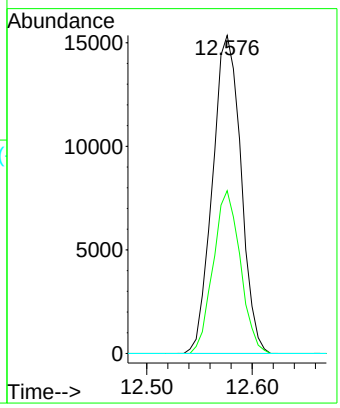




#71
Bromoform
Concen: 20.159 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:173 Resp: 28783

Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.8	71.2
254	0.0	0.0	0.0



Instrument :
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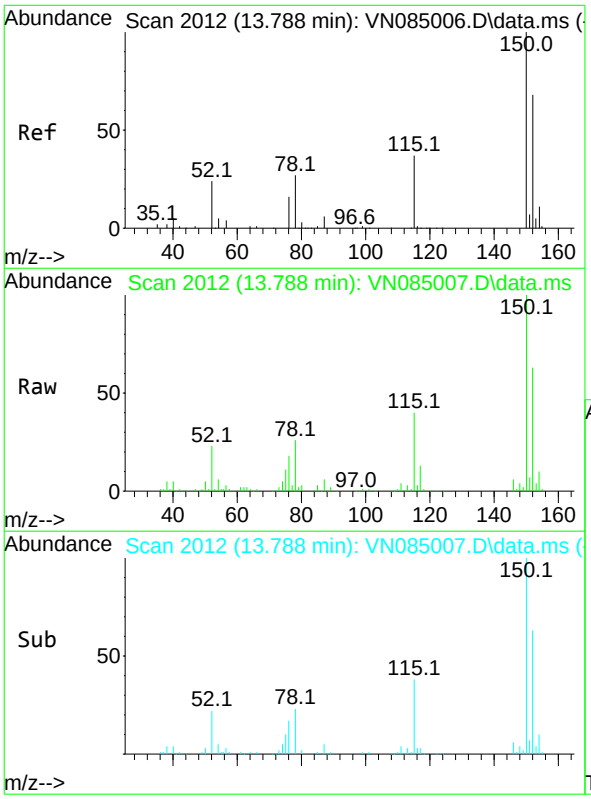
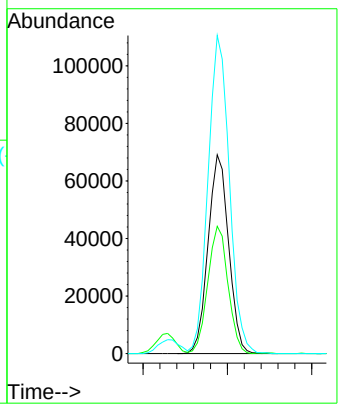
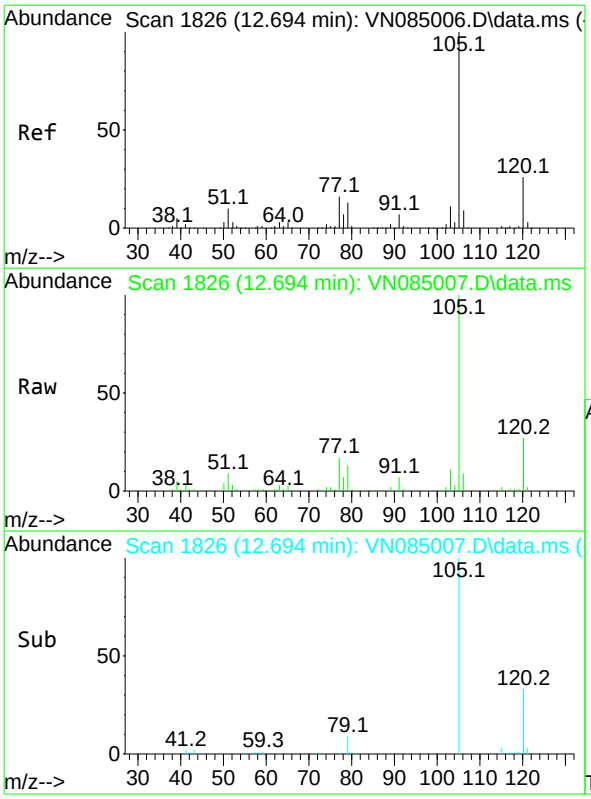


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:152 Resp: 116956

Ion	Ratio	Lower	Upper
152	100		
115	63.0	31.7	95.1
150	165.7	0.0	351.4

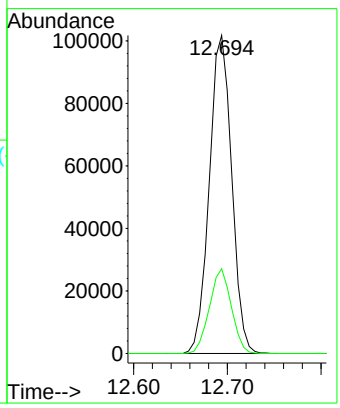




#73
Isopropylbenzene
Concen: 20.438 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:105 Resp: 168631

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.0	39.0



Instrument :
MSVOA_N
ClientSampleId :
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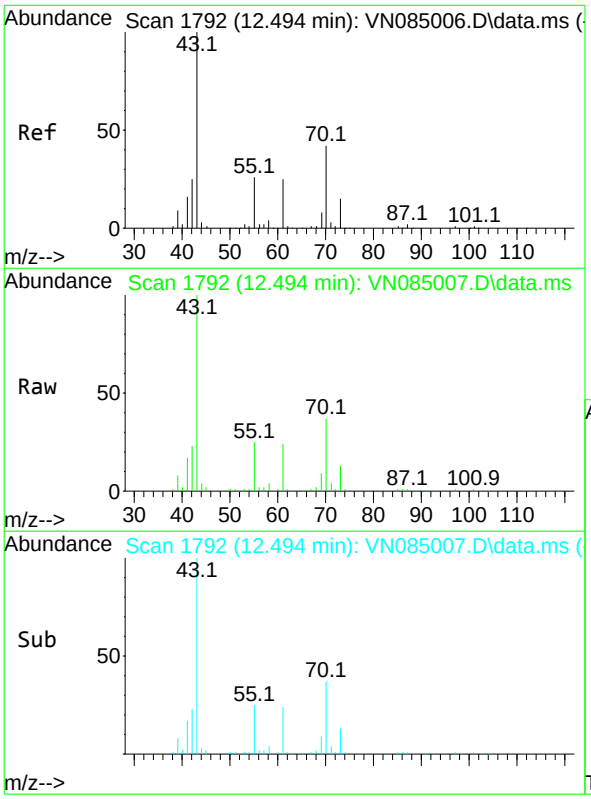
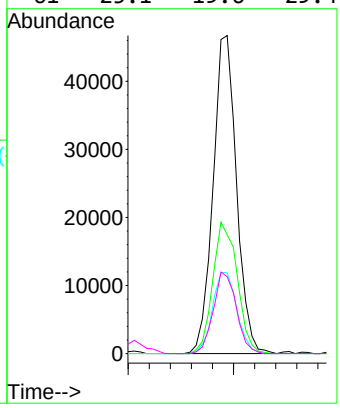
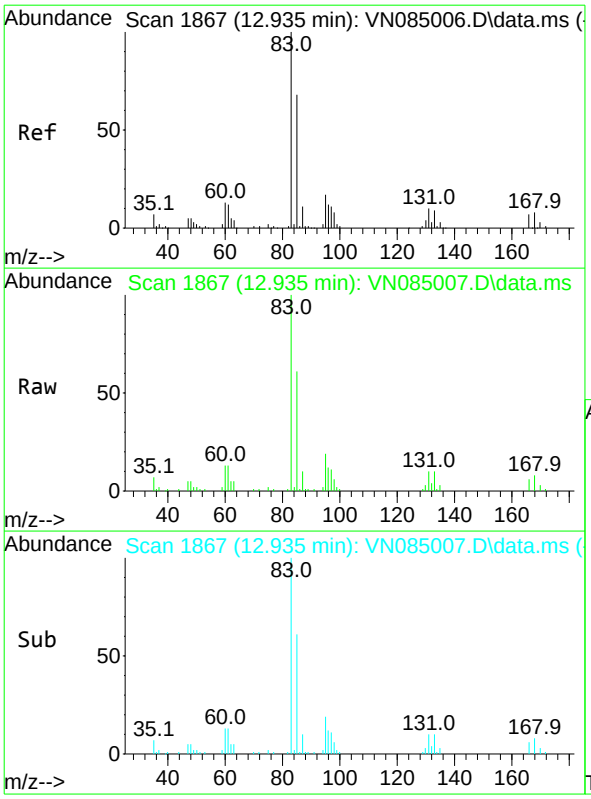


#74
N-amyl acetate
Concen: 21.238 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 43 Resp: 72208

Ion	Ratio	Lower	Upper
43	100		
70	43.1	34.6	51.8
55	26.6	20.5	30.7
61	25.1	19.6	29.4

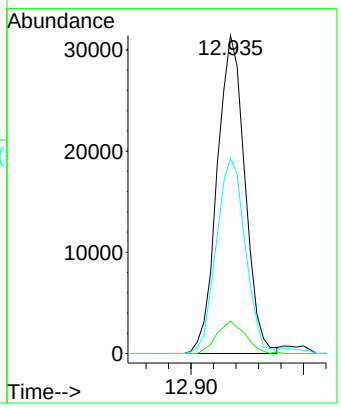




#75
1,1,2,2-Tetrachloroethane
Concen: 19.127 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 83 Resp: 53889

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.1	15.4
85	64.1	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
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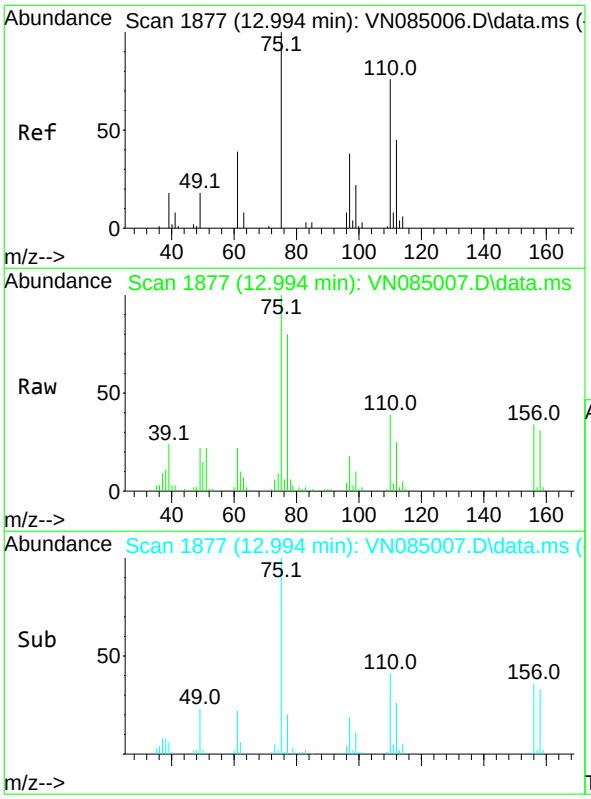
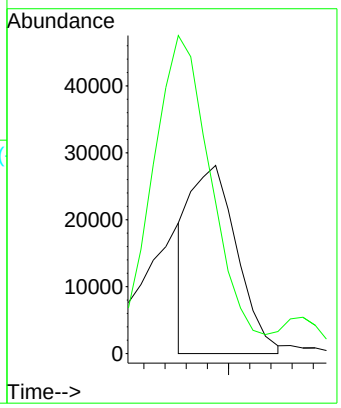
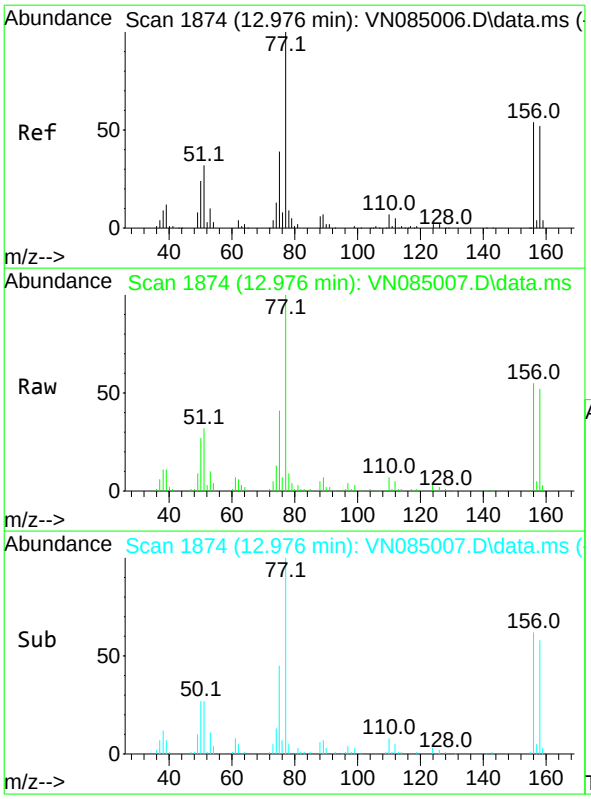


#76
1,2,3-Trichloropropane
Concen: 19.951 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 75 Resp: 43650

Ion	Ratio	Lower	Upper
75	100		
77	215.1	109.1	327.4

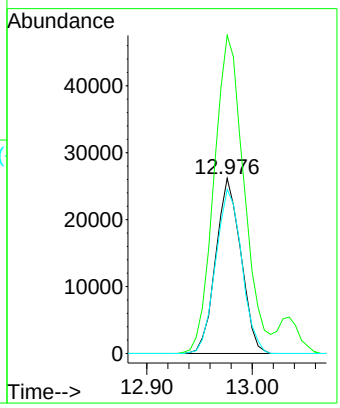




#77
Bromobenzene
Concen: 19.500 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:156 Resp: 43298

Ion	Ratio	Lower	Upper
156	100		
77	216.9	107.2	321.6
158	97.6	48.5	145.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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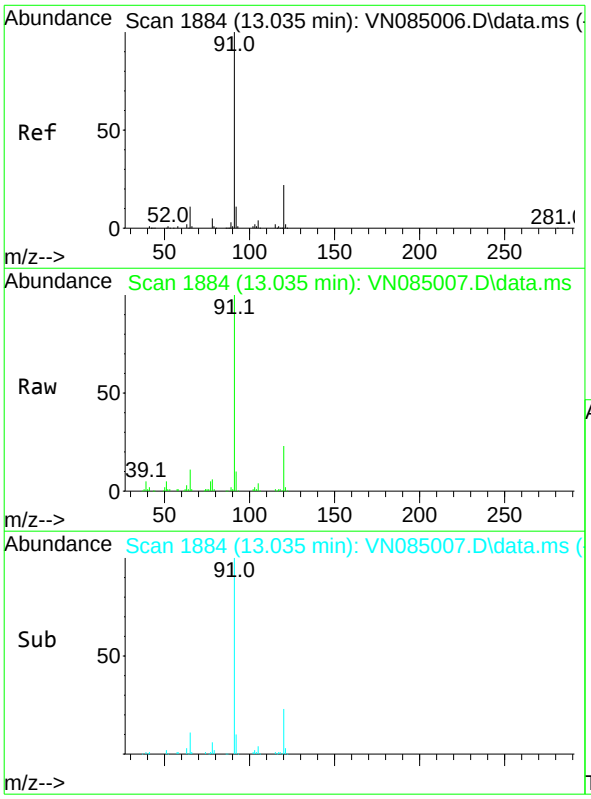
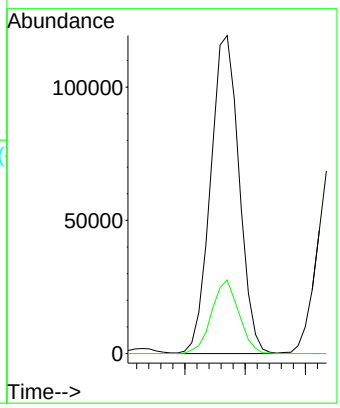
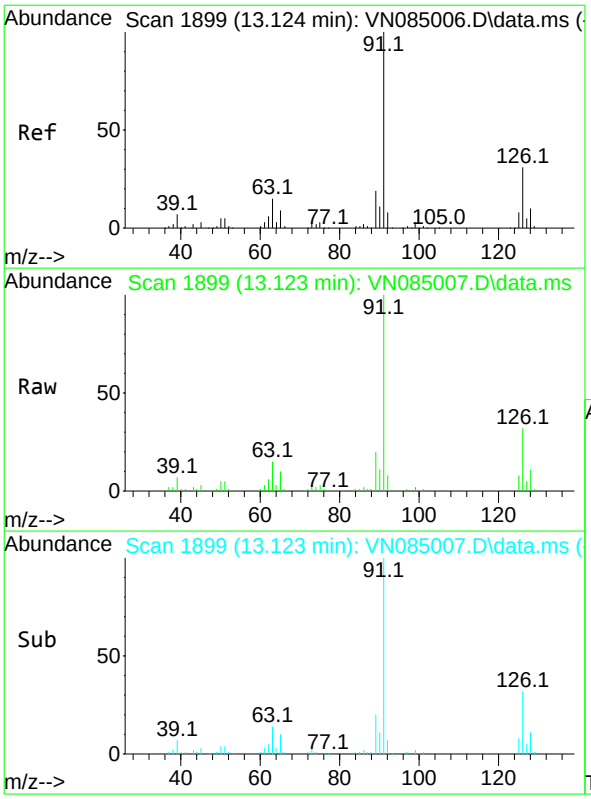


#78
n-propylbenzene
Concen: 20.653 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 91 Resp: 196551

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.3	33.9

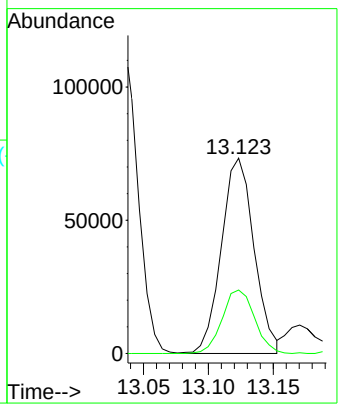




#79
2-Chlorotoluene
Concen: 20.261 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 91 Resp: 128714

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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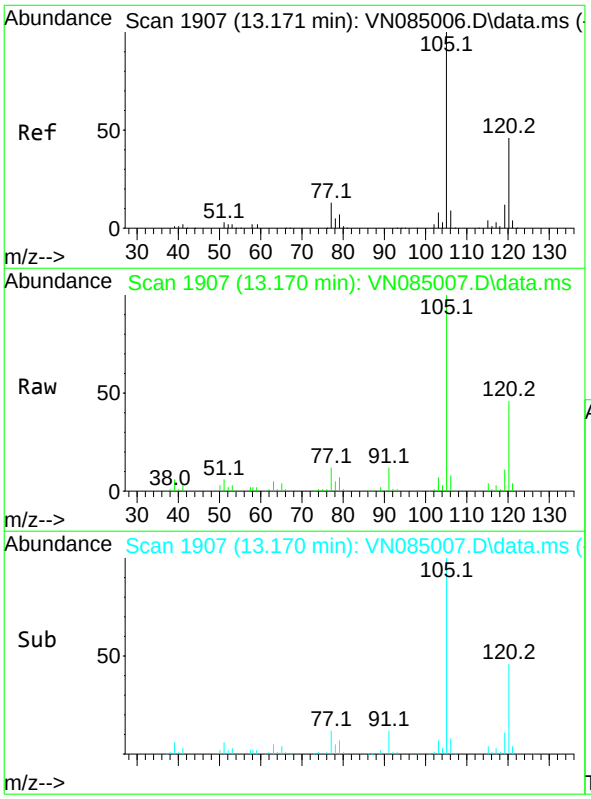
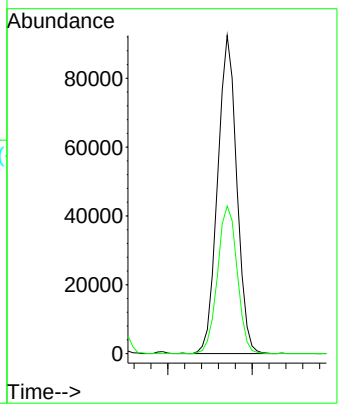
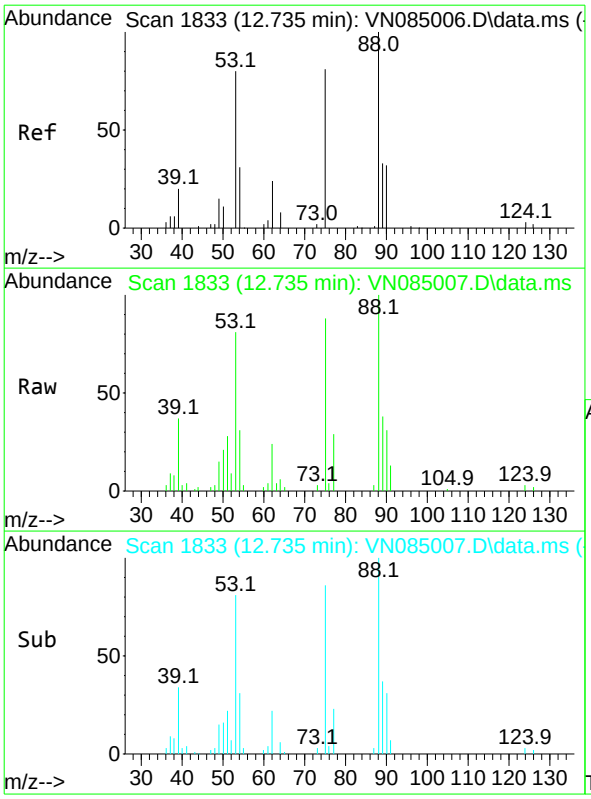


#80
1,3,5-Trimethylbenzene
Concen: 21.048 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:105 Resp: 145726

Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.6	71.0

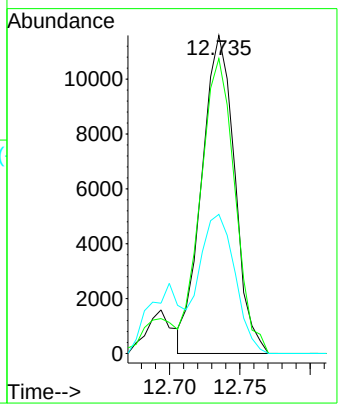




#81
trans-1,4-Dichloro-2-butene
Concen: 20.144 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 75 Resp: 18860

Ion	Ratio	Lower	Upper
75	100		
53	96.4	78.2	117.4
89	46.7	37.9	56.9



Instrument :
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ClientSampleId :
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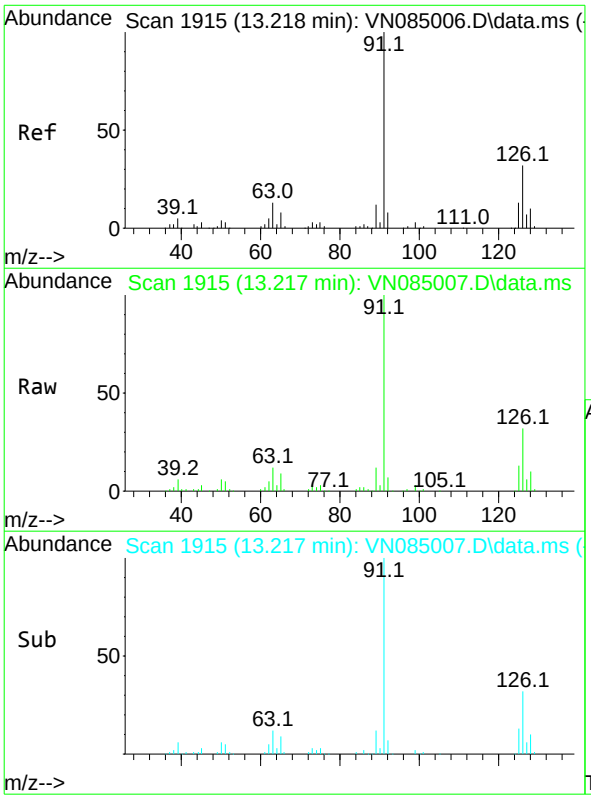
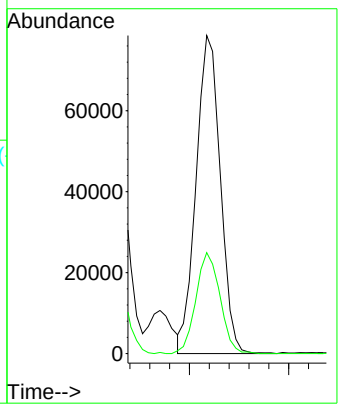
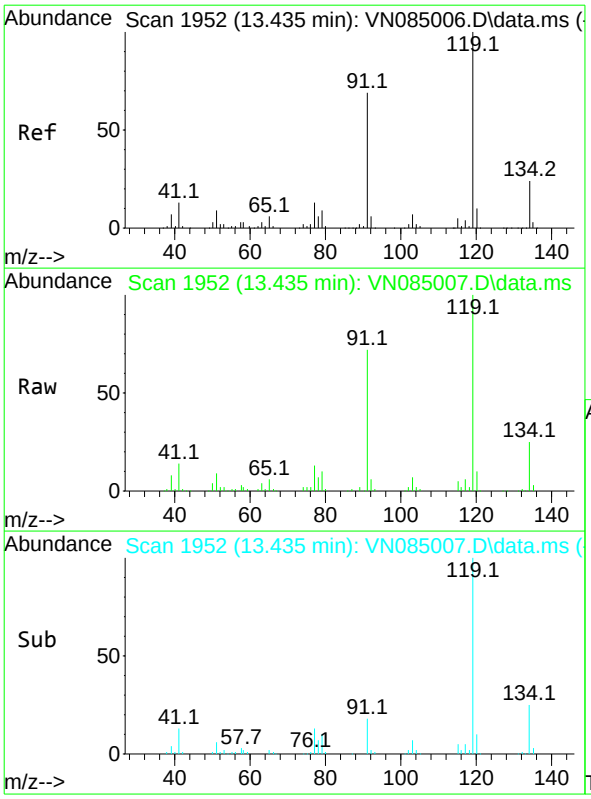


#82
4-Chlorotoluene
Concen: 20.131 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 91 Resp: 133131

Ion	Ratio	Lower	Upper
91	100		
126	31.6	16.1	48.3

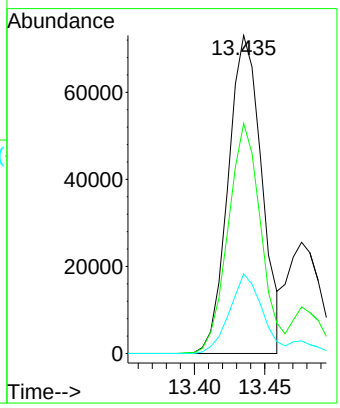




#83
tert-Butylbenzene
Concen: 20.344 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:119 Resp: 121188

Ion	Ratio	Lower	Upper
119	100		
91	71.2	35.1	105.5
134	24.3	12.1	36.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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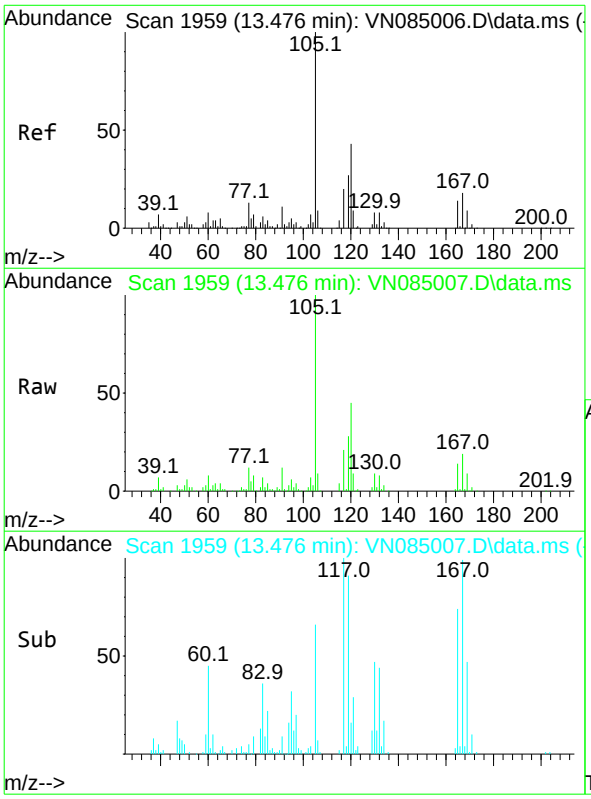
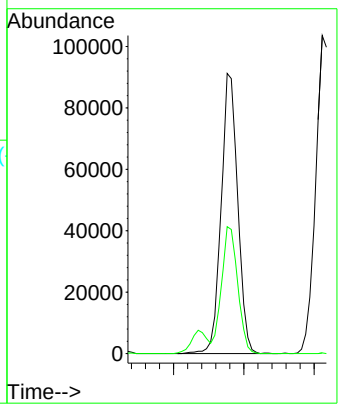
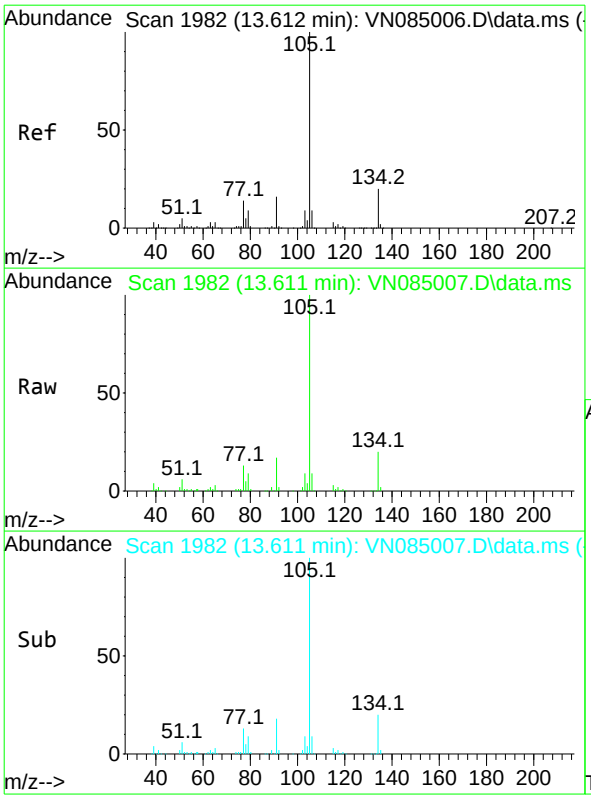


#84
1,2,4-Trimethylbenzene
Concen: 20.974 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:105 Resp: 149479

Ion	Ratio	Lower	Upper
105	100		
120	44.4	21.8	65.4

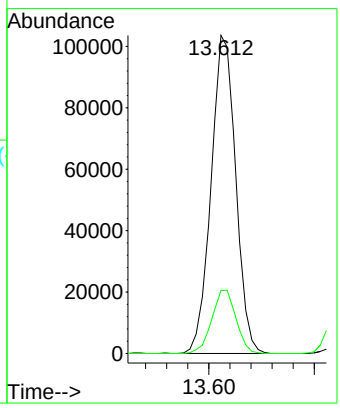




#85
sec-Butylbenzene
Concen: 20.885 ug/l
RT: 13.611 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:105 Resp: 168068

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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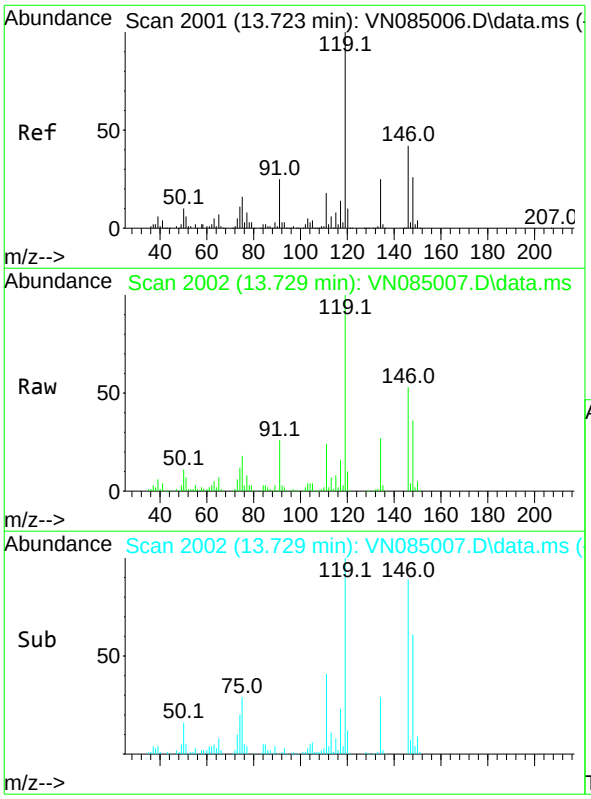
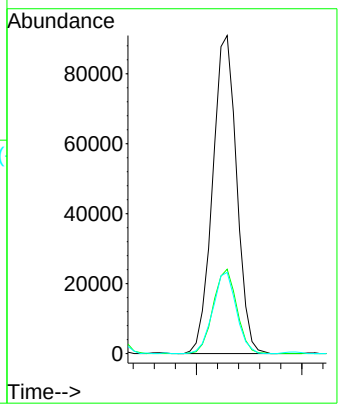
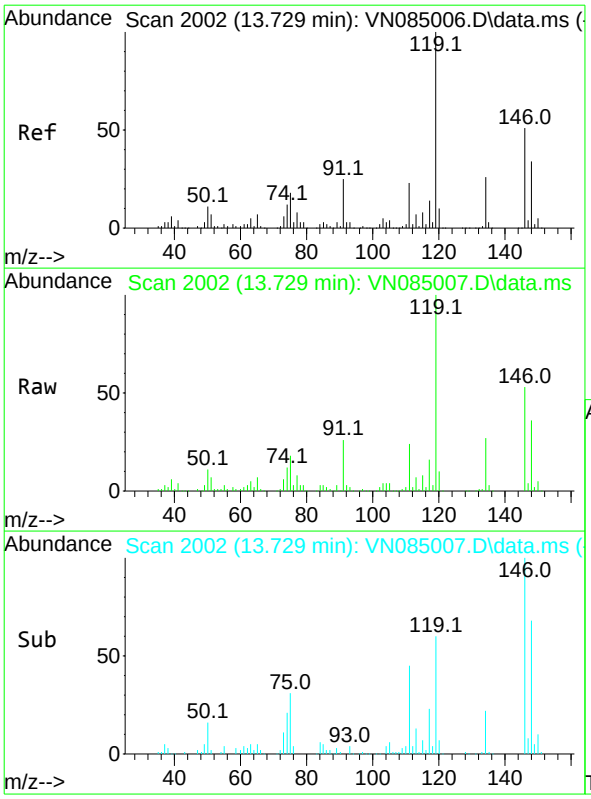


#86
p-Isopropyltoluene
Concen: 21.653 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:119 Resp: 143841

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	39.0
91	25.0	12.8	38.4

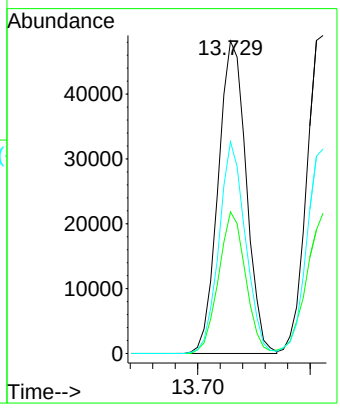




#87
1,3-Dichlorobenzene
Concen: 19.066 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:146 Resp: 83500

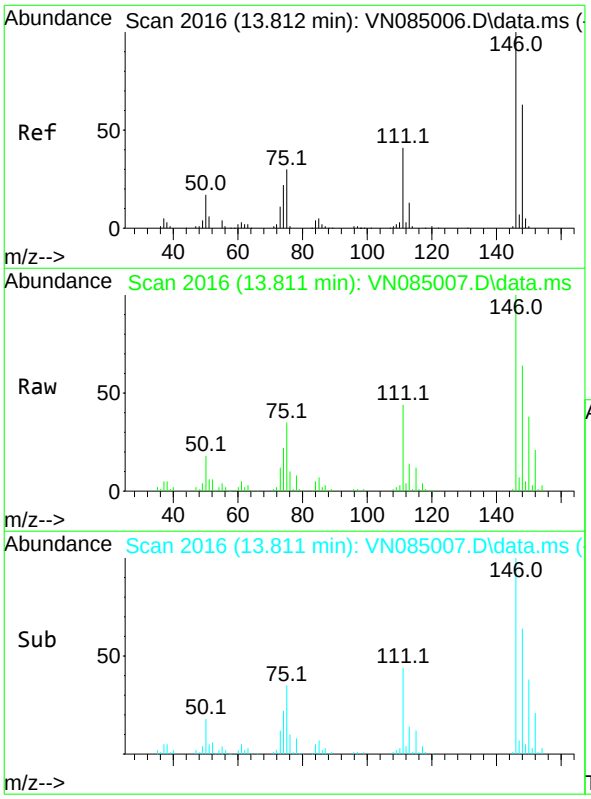
Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.6	65.0
148	63.9	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

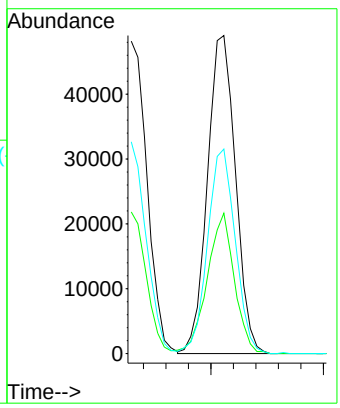
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

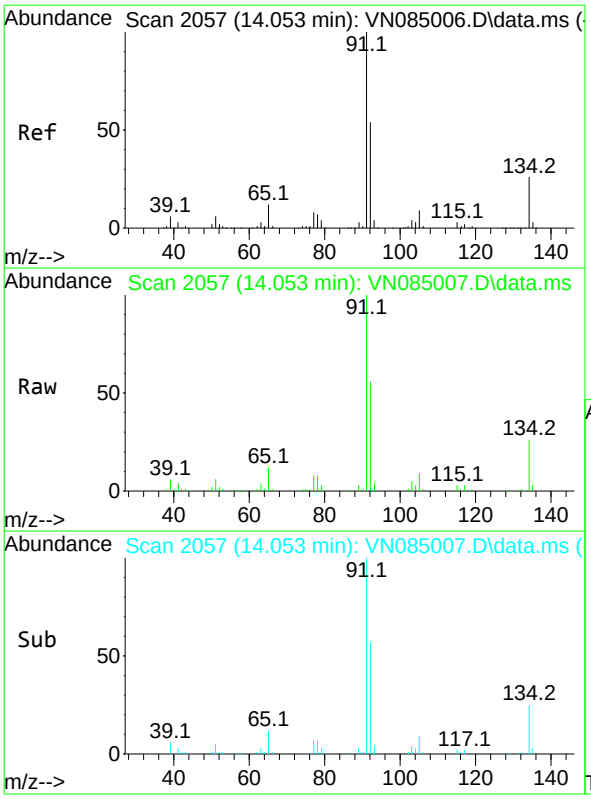


#88
1,4-Dichlorobenzene
Concen: 19.041 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:146 Resp: 85098

Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.9	62.8
148	63.5	31.3	93.9

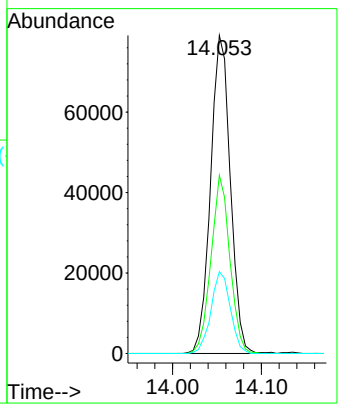




#89
n-Butylbenzene
Concen: 19.790 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 91 Resp: 122257

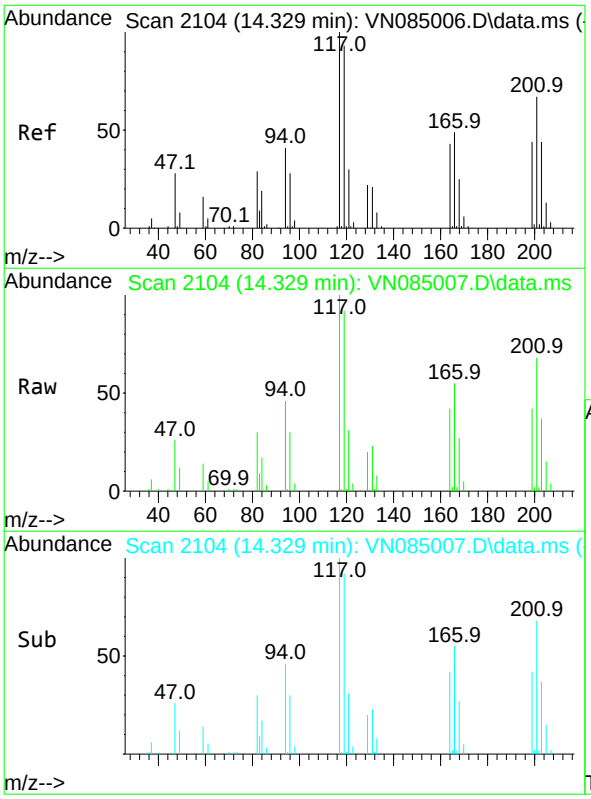
Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.8	80.3
134	25.1	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

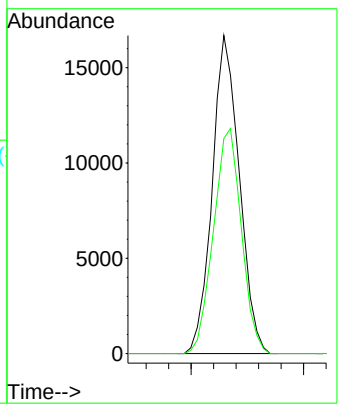
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

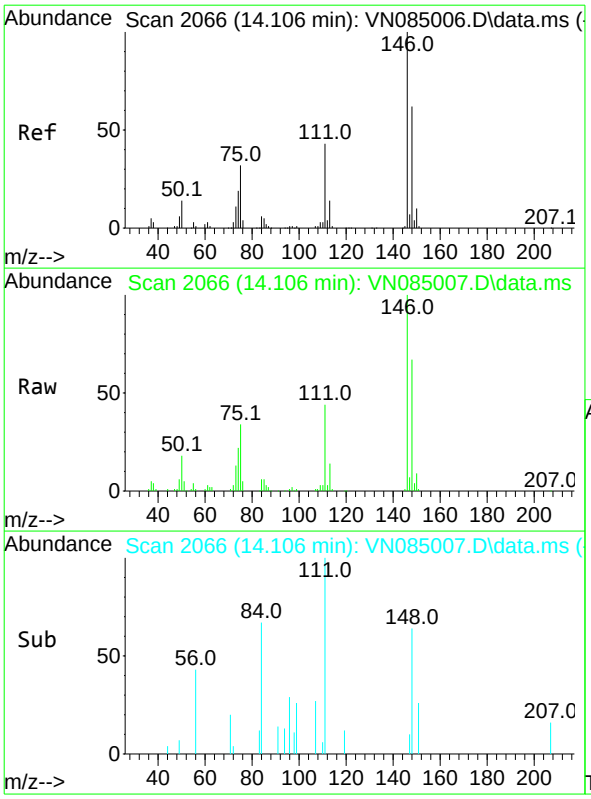


#90
Hexachloroethane
Concen: 19.267 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:117 Resp: 27899

Ion	Ratio	Lower	Upper
117	100		
201	72.9	35.2	105.6

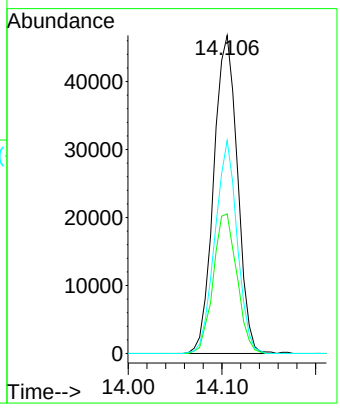




#91
1,2-Dichlorobenzene
Concen: 19.579 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:146 Resp: 82164

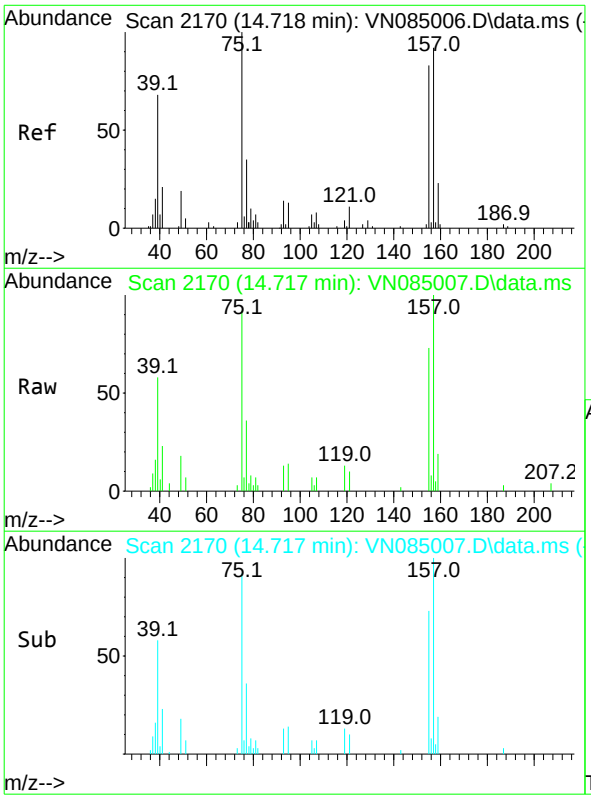
Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.9	65.8
148	62.9	31.1	93.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

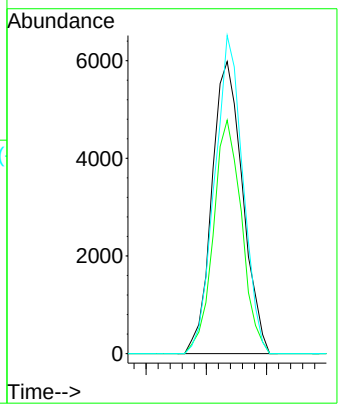
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

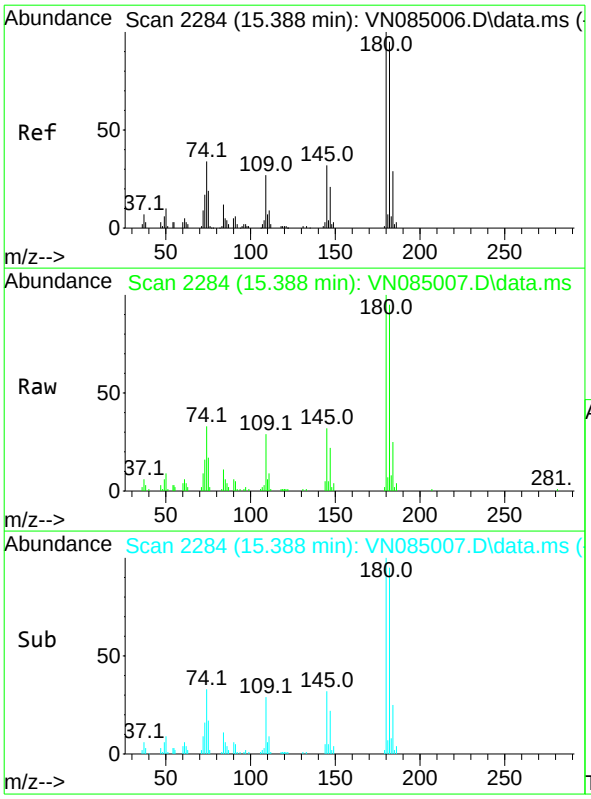


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.517 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 75 Resp: 10633

Ion	Ratio	Lower	Upper
75	100		
155	73.2	38.9	116.7
157	99.9	48.3	144.9





#93
1,2,4-Trichlorobenzene
Concen: 19.467 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

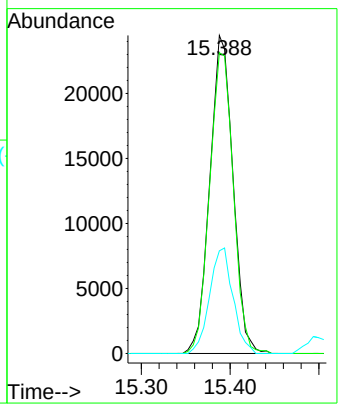
Tgt Ion:180 Resp: 44383

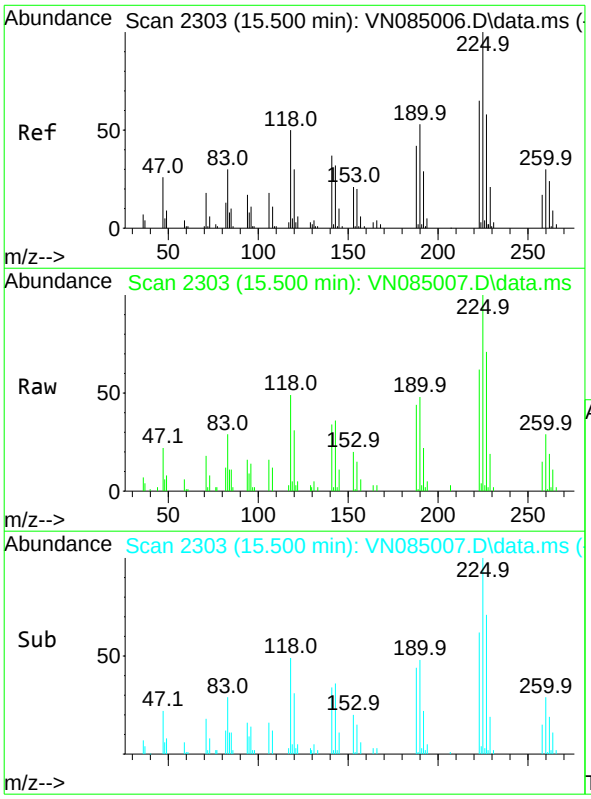
Ion	Ratio	Lower	Upper
180	100		
182	96.5	46.9	140.8
145	33.4	16.3	48.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

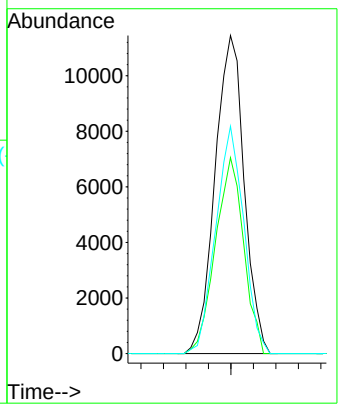


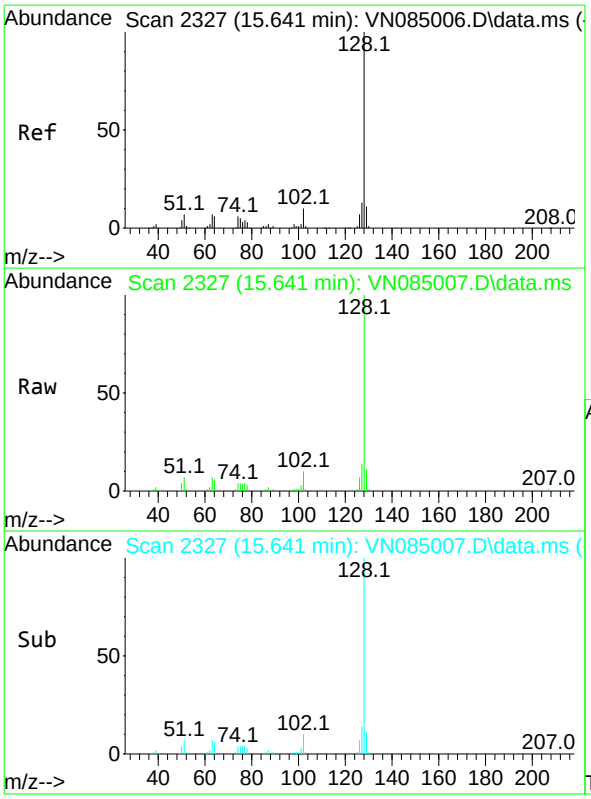


#94
Hexachlorobutadiene
Concen: 19.618 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:225 Resp: 20642

Ion	Ratio	Lower	Upper
225	100		
223	59.6	30.9	92.8
227	68.7	31.5	94.5

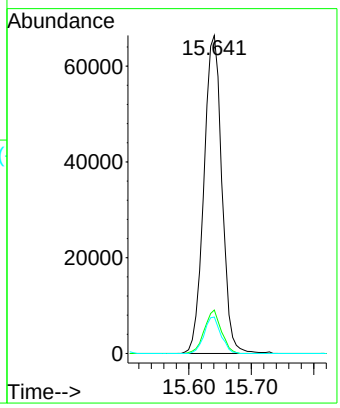




#95
Naphthalene
Concen: 20.454 ug/l
RT: 15.641 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:128 Resp: 132816

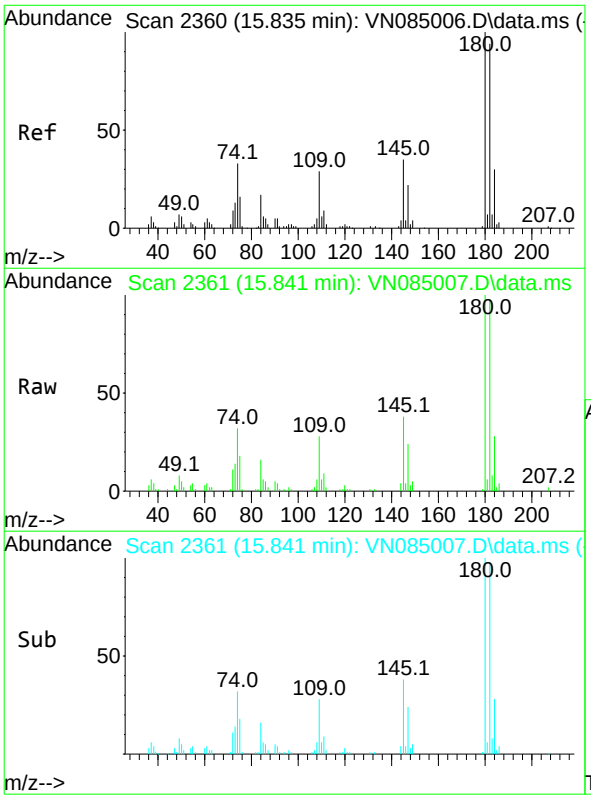
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.6	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

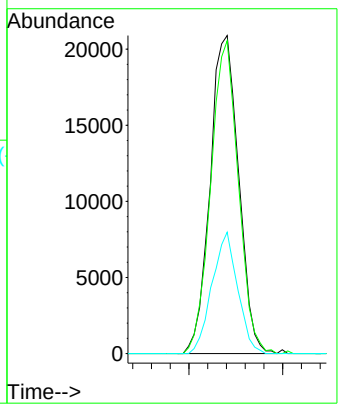
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#96
1,2,3-Trichlorobenzene
Concen: 20.293 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:180 Resp: 44145

Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.4	139.2
145	34.3	17.3	52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085008.D
Acq On : 22 Nov 2024 12:34
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 02:00:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.218	168	161407	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.094	114	278264	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	234609	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110358	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.571	65	23734	10.323	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 20.640%#				
35) Dibromofluoromethane	8.159	113	18392	9.801	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 19.600%#				
50) Toluene-d8	10.559	98	64656	9.614	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 19.220%#				
62) 4-Bromofluorobenzene	12.847	95	24371	9.691	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 19.380%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	17355	9.509	ug/l		98
3) Chloromethane	2.359	50	19463	9.194	ug/l		93
4) Vinyl Chloride	2.512	62	18378	9.661	ug/l		99
5) Bromomethane	2.901	94	10681	10.017	ug/l		99
6) Chloroethane	3.077	64	12602	9.828	ug/l	#	88
7) Trichlorofluoromethane	3.477	101	30566	9.445	ug/l		98
8) Diethyl Ether	3.953	74	10394	9.437	ug/l		89
9) 1,1,2-Trichlorotrifluo...	4.353	101	17791	9.693	ug/l		98
10) Methyl Iodide	4.583	142	22722	9.353	ug/l		95
11) Tert butyl alcohol	5.542	59	15491	50.421	ug/l	#	81
12) 1,1-Dichloroethene	4.324	96	16330	9.532	ug/l		93
13) Acrolein	4.183	56	10601	51.710	ug/l		99
14) Allyl chloride	5.006	41	28006	9.697	ug/l		97
15) Acrylonitrile	5.718	53	40469	46.525	ug/l		98
16) Acetone	4.430	43	32743	48.900	ug/l		99
17) Carbon Disulfide	4.700	76	47181	9.331	ug/l	#	93
18) Methyl Acetate	5.018	43	23065	9.856	ug/l		100
19) Methyl tert-butyl Ether	5.795	73	53672	9.589	ug/l		96
20) Methylene Chloride	5.271	84	19680	9.632	ug/l		93
21) trans-1,2-Dichloroethene	5.777	96	16759	9.296	ug/l		92
22) Diisopropyl ether	6.665	45	56475	9.716	ug/l		99
23) Vinyl Acetate	6.594	43	192330	47.962	ug/l		100
24) 1,1-Dichloroethane	6.559	63	33350	9.588	ug/l	#	92
25) 2-Butanone	7.477	43	51223	46.790	ug/l		95
26) 2,2-Dichloropropane	7.477	77	30494	9.388	ug/l		98
27) cis-1,2-Dichloroethene	7.477	96	20469	9.418	ug/l		99
28) Bromochloromethane	7.806	49	12594	9.591	ug/l		95
29) Tetrahydrofuran	7.841	42	32197	47.294	ug/l		99
30) Chloroform	7.959	83	34651	9.365	ug/l		98
31) Cyclohexane	8.253	56	29526	9.641	ug/l		95
32) 1,1,1-Trichloroethane	8.165	97	32054	9.587	ug/l		98
36) 1,1-Dichloropropene	8.371	75	23205	9.130	ug/l		99
37) Ethyl Acetate	7.559	43	22487	9.732	ug/l	#	97
38) Carbon Tetrachloride	8.353	117	26952	9.186	ug/l		97
39) Methylcyclohexane	9.594	83	23924	9.058	ug/l		96
40) Benzene	8.600	78	75597	9.404	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085008.D
Acq On : 22 Nov 2024 12:34
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 23 02:00:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	12417	9.705	ug/l		99
42) 1,2-Dichloroethane	8.659	62	25169	9.152	ug/l		100
43) Isopropyl Acetate	8.688	43	43717	9.108	ug/l		95
44) Trichloroethene	9.347	130	17835	9.547	ug/l		90
45) 1,2-Dichloropropane	9.618	63	18902	9.546	ug/l		98
46) Dibromomethane	9.706	93	12540	9.114	ug/l		96
47) Bromodichloromethane	9.888	83	27136	9.306	ug/l		95
48) Methyl methacrylate	9.677	41	16793	9.402	ug/l		95
49) 1,4-Dioxane	9.694	88	6366	205.527	ug/l	#	90
51) 4-Methyl-2-Pentanone	10.441	43	106422	48.544	ug/l		100
52) Toluene	10.630	92	44072	9.261	ug/l		95
53) t-1,3-Dichloropropene	10.835	75	27040	9.249	ug/l		98
54) cis-1,3-Dichloropropene	10.306	75	28183	9.087	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	17498	9.871	ug/l		98
56) Ethyl methacrylate	10.871	69	24309	9.385	ug/l		99
57) 1,3-Dichloropropane	11.159	76	29257	9.378	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.153	63	61252	48.207	ug/l		97
59) 2-Hexanone	11.194	43	77951	47.542	ug/l		98
60) Dibromochloromethane	11.353	129	19478	8.991	ug/l		97
61) 1,2-Dibromoethane	11.465	107	17673	9.633	ug/l		95
64) Tetrachloroethene	11.100	164	15092	9.547	ug/l		94
65) Chlorobenzene	11.888	112	51106	9.605	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	17966	9.590	ug/l		98
67) Ethyl Benzene	11.959	91	79668	9.229	ug/l		95
68) m/p-Xylenes	12.071	106	62195	18.925	ug/l		98
69) o-Xylene	12.394	106	30067	9.618	ug/l		95
70) Styrene	12.412	104	50150	9.647	ug/l		99
71) Bromoform	12.576	173	12832	9.228	ug/l	#	96
73) Isopropylbenzene	12.694	105	75080	9.644	ug/l		98
74) N-amyl acetate	12.488	43	29811	9.292	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.935	83	25341	9.532	ug/l		98
76) 1,2,3-Trichloropropane	12.988	75	16940m	8.206	ug/l		
77) Bromobenzene	12.976	156	19904	9.500	ug/l		99
78) n-propylbenzene	13.035	91	85642	9.537	ug/l		98
79) 2-Chlorotoluene	13.123	91	58233	9.715	ug/l		98
80) 1,3,5-Trimethylbenzene	13.171	105	63212	9.676	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	8603	9.738	ug/l		99
82) 4-Chlorotoluene	13.218	91	60156	9.640	ug/l		100
83) tert-Butylbenzene	13.435	119	53773	9.566	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	64606	9.607	ug/l		99
85) sec-Butylbenzene	13.618	105	72405	9.535	ug/l		99
86) p-Isopropyltoluene	13.729	119	60467	9.647	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	38501	9.317	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	39471	9.360	ug/l		99
89) n-Butylbenzene	14.059	91	52430	8.994	ug/l		100
90) Hexachloroethane	14.335	117	12541	9.179	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	37183	9.390	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	4917	9.565	ug/l		99
93) 1,2,4-Trichlorobenzene	15.394	180	20285	9.429	ug/l		97
94) Hexachlorobutadiene	15.500	225	9015	9.080	ug/l		98
95) Naphthalene	15.641	128	54191	8.844	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	18745	9.132	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085008.D
Acq On : 22 Nov 2024 12:34
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 23 02:00:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085008.D
Acq On : 22 Nov 2024 12:34
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 23 02:00:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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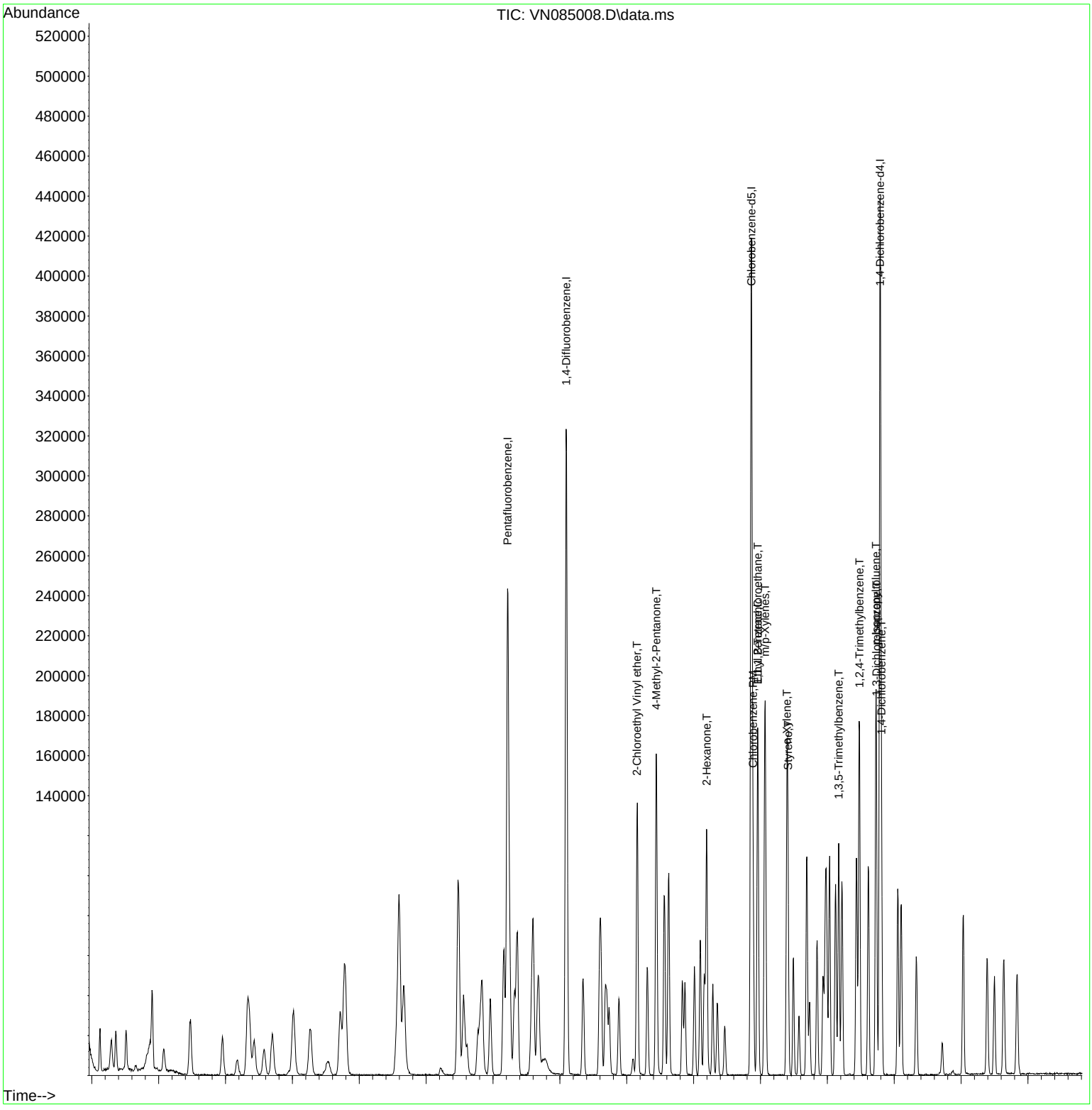
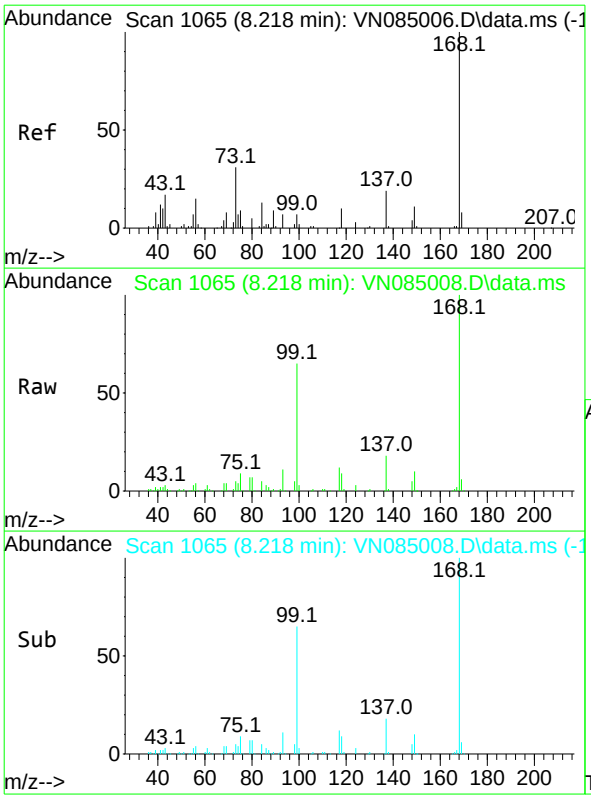
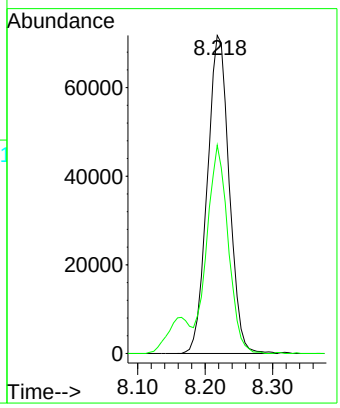




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:168 Resp: 161407

Ion	Ratio	Lower	Upper
168	100		
99	65.2	51.2	76.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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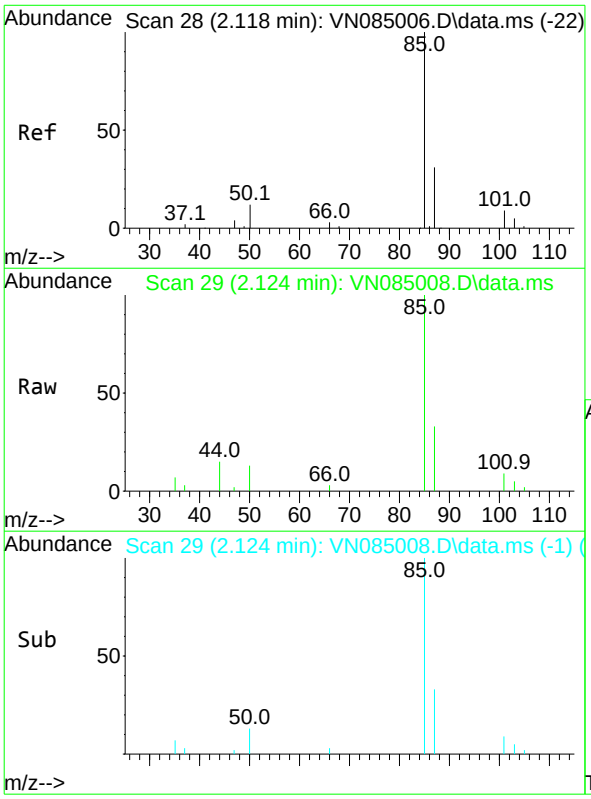
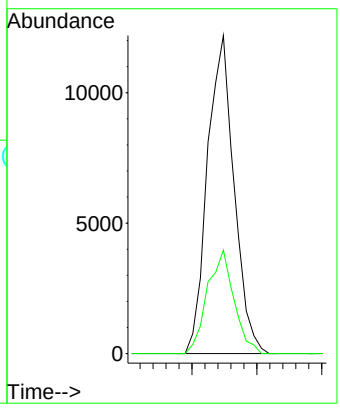
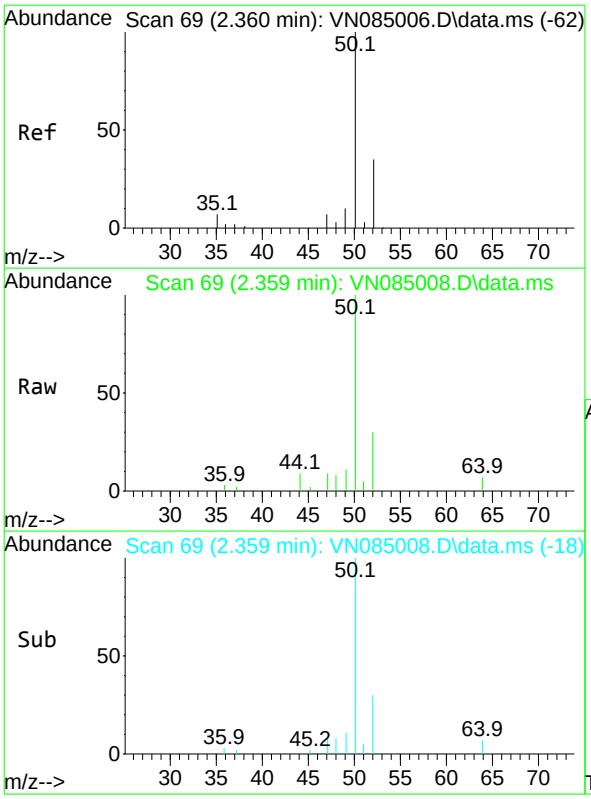


#2
Dichlorodifluoromethane
Concen: 9.509 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 85 Resp: 17355

Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.7	47.1

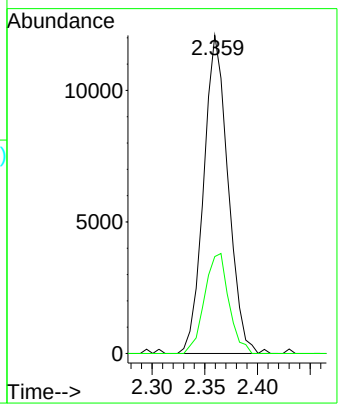




#3
Chloromethane
Concen: 9.194 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 50 Resp: 19463

Ion	Ratio	Lower	Upper
50	100		
52	30.5	27.8	41.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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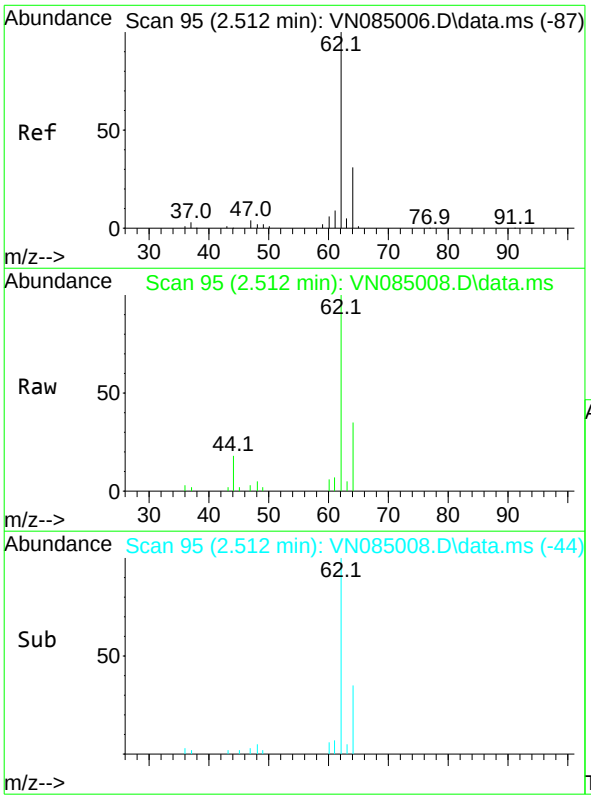
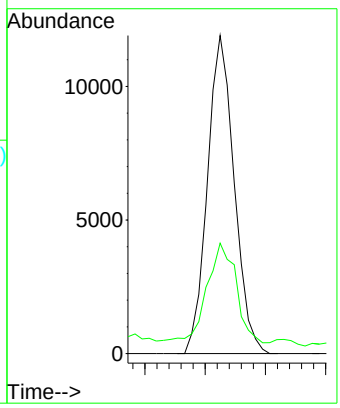
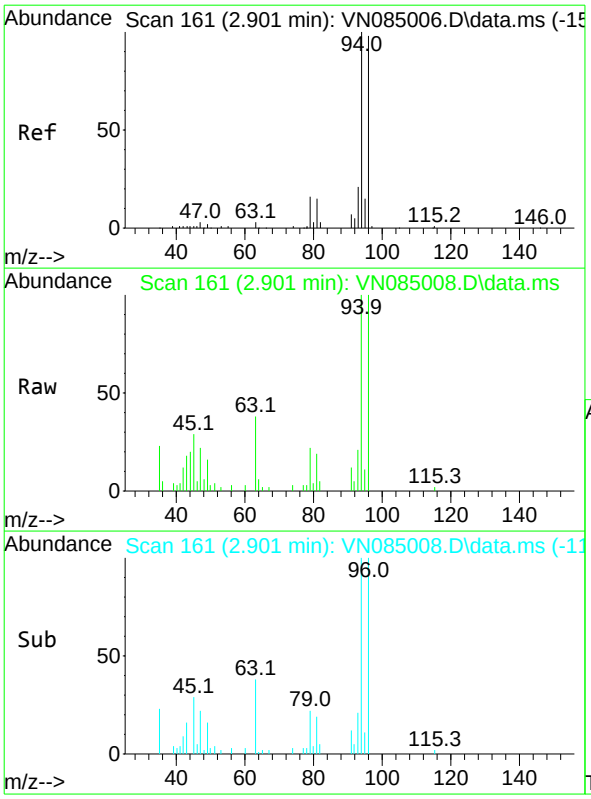


#4
Vinyl Chloride
Concen: 9.661 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 62 Resp: 18378

Ion	Ratio	Lower	Upper
62	100		
64	30.3	24.6	36.8

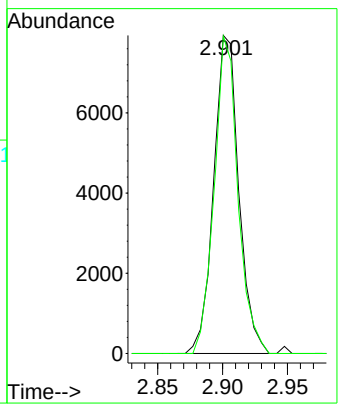




#5
Bromomethane
Concen: 10.017 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 94 Resp: 10681

Ion	Ratio	Lower	Upper
94	100		
96	99.7	78.7	118.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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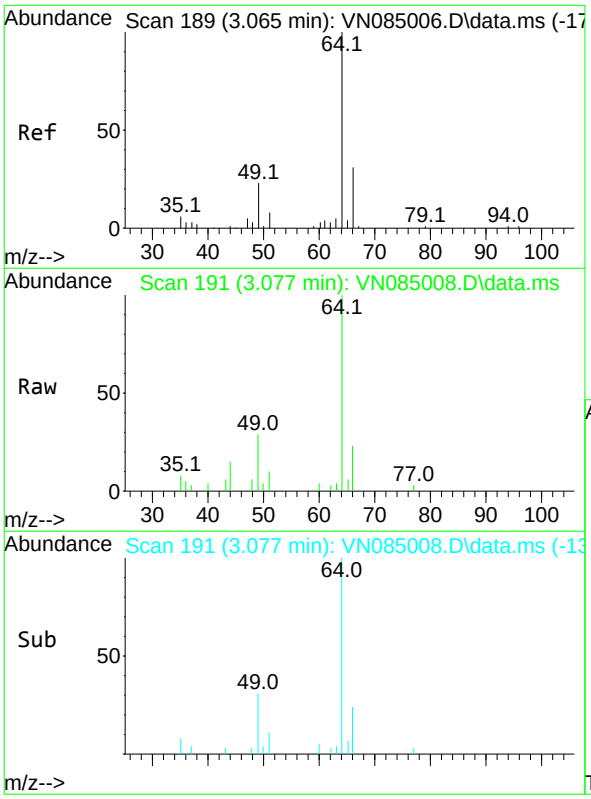
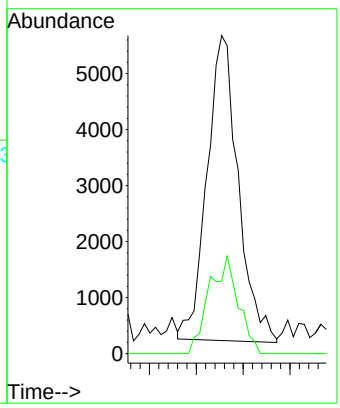
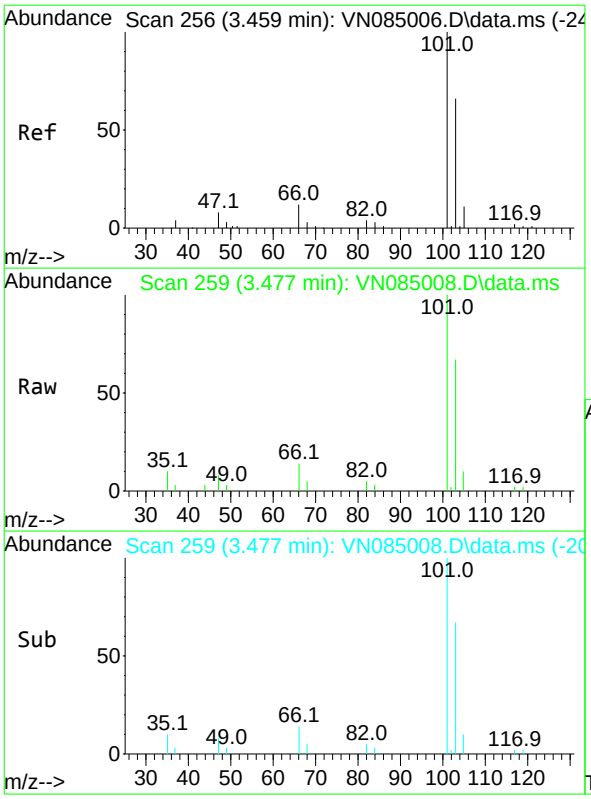


#6
Chloroethane
Concen: 9.828 ug/l
RT: 3.077 min Scan# 191
Delta R.T. 0.012 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 64 Resp: 12602

Ion	Ratio	Lower	Upper
64	100		
66	23.8	24.4	36.6#

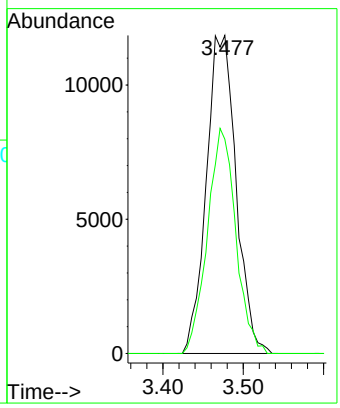




#7
Trichlorofluoromethane
Concen: 9.445 ug/l
RT: 3.477 min Scan# 25
Delta R.T. 0.018 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:101 Resp: 30566

Ion	Ratio	Lower	Upper
101	100		
103	67.4	52.6	78.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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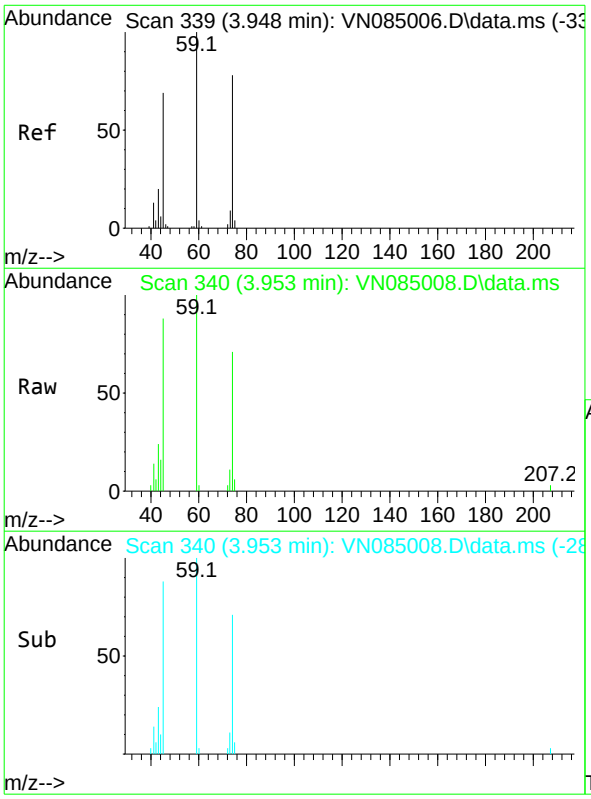
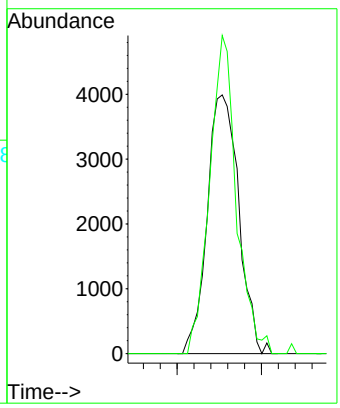
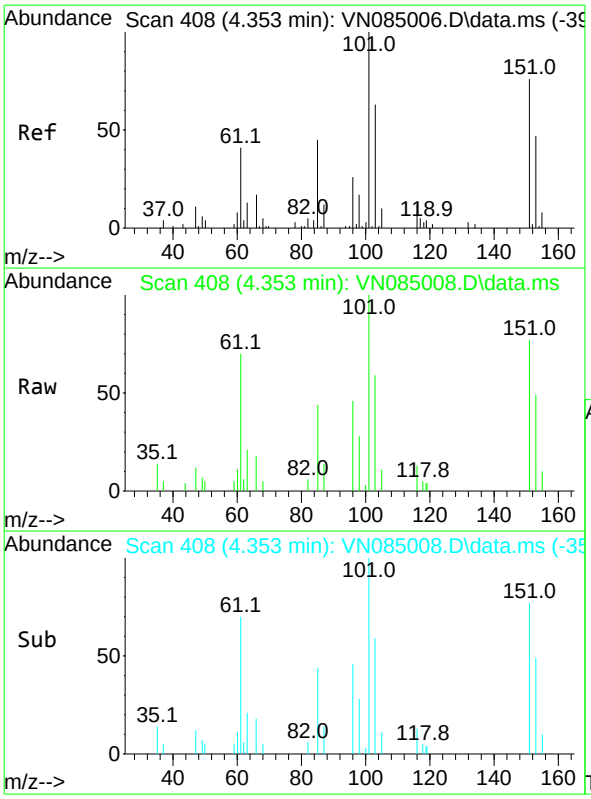


#8
Diethyl Ether
Concen: 9.437 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 74 Resp: 10394

Ion	Ratio	Lower	Upper
74	100		
45	104.3	46.7	140.1

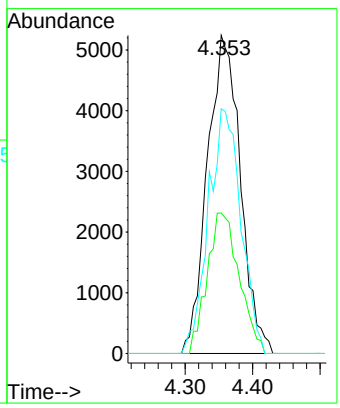




#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.693 ug/l
RT: 4.353 min Scan# 40
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:101 Resp: 17791

Ion	Ratio	Lower	Upper
101	100		
85	42.9	36.9	55.3
151	75.7	60.8	91.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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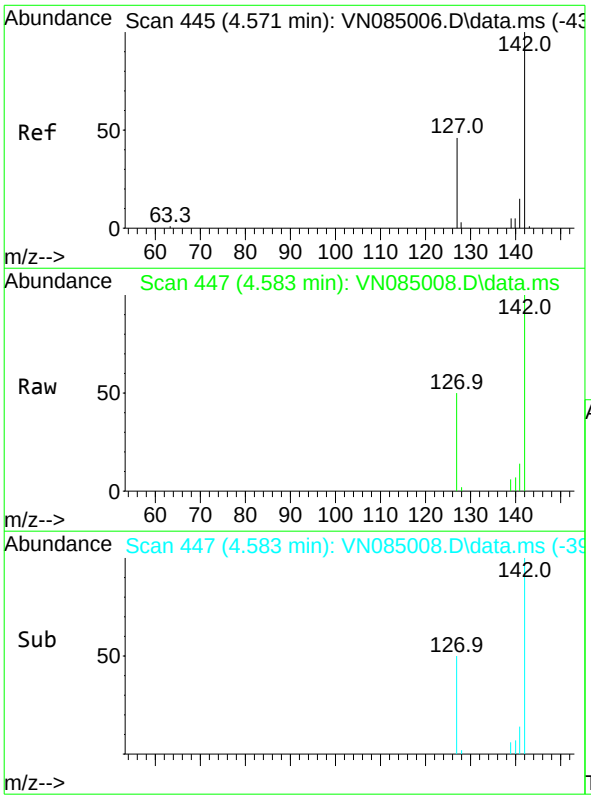
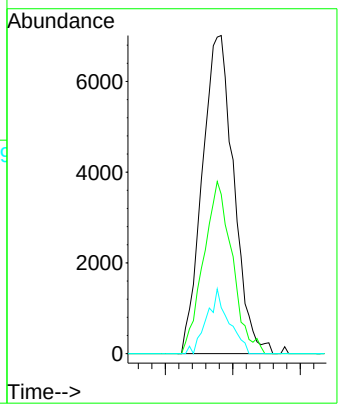
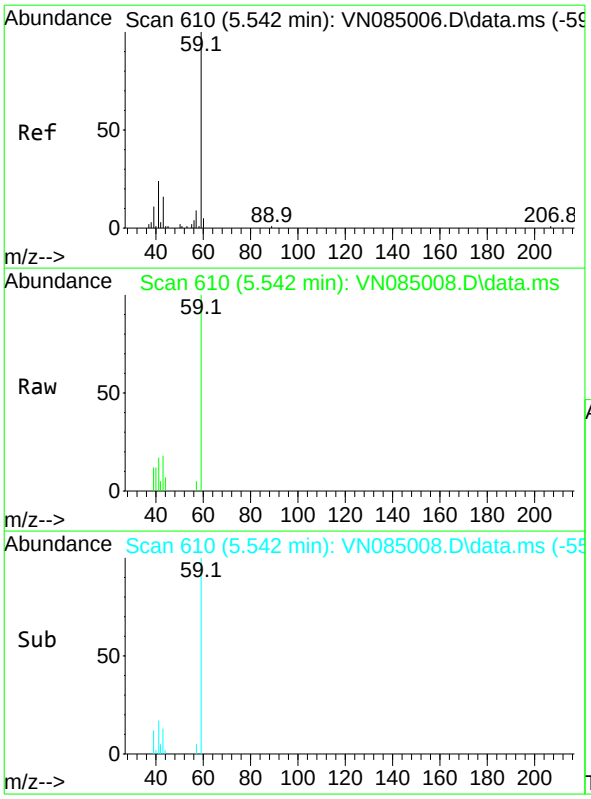


#10
Methyl Iodide
Concen: 9.353 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.012 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:142 Resp: 22722

Ion	Ratio	Lower	Upper
142	100		
127	50.1	36.6	54.8
141	14.5	12.2	18.4

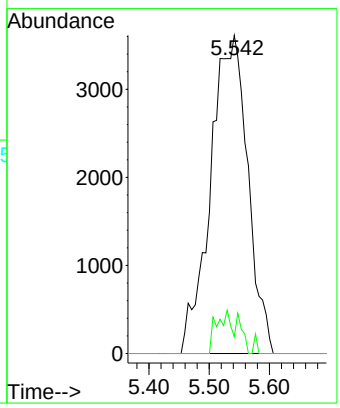




#11
Tert butyl alcohol
Concen: 50.421 ug/l
RT: 5.542 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 59 Resp: 15491

Ion	Ratio	Lower	Upper
59	100		
57	2.2	7.4	11.0#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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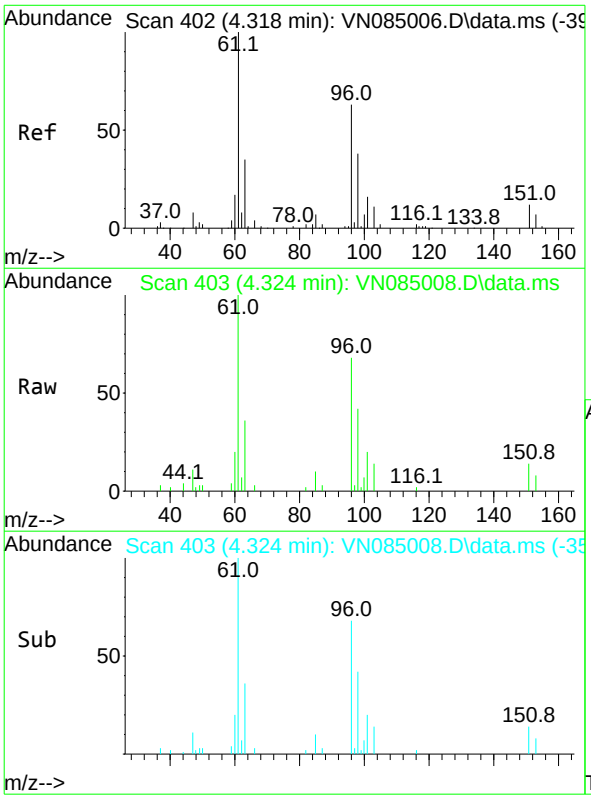
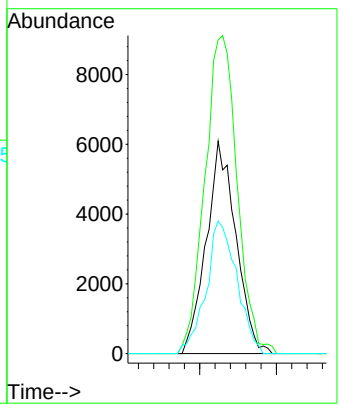
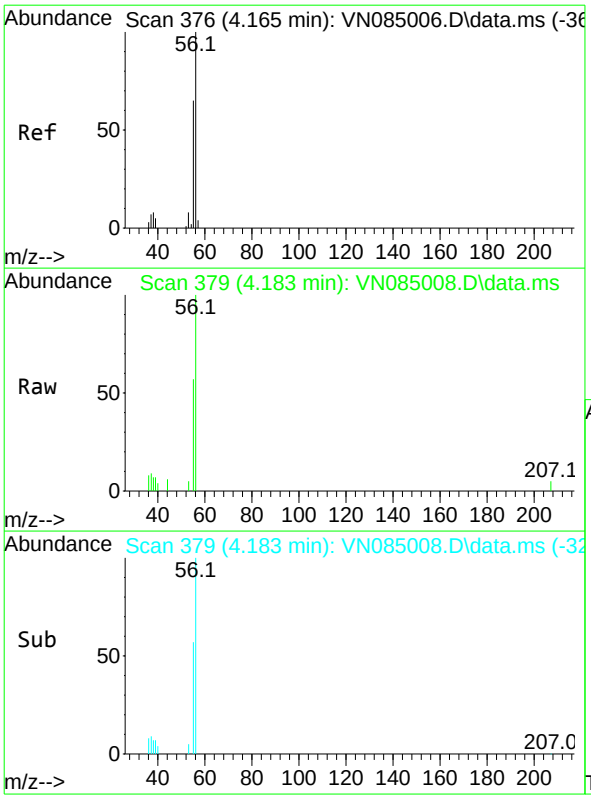


#12
1,1-Dichloroethene
Concen: 9.532 ug/l
RT: 4.324 min Scan# 403
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 96 Resp: 16330

Ion	Ratio	Lower	Upper
96	100		
61	147.7	127.8	191.8
98	62.4	49.2	73.8

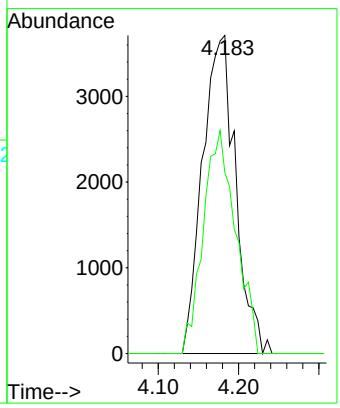




#13
Acrolein
Concen: 51.710 ug/l
RT: 4.183 min Scan# 37
Delta R.T. 0.018 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 56 Resp: 10601

Ion	Ratio	Lower	Upper
56	100		
55	68.7	54.5	81.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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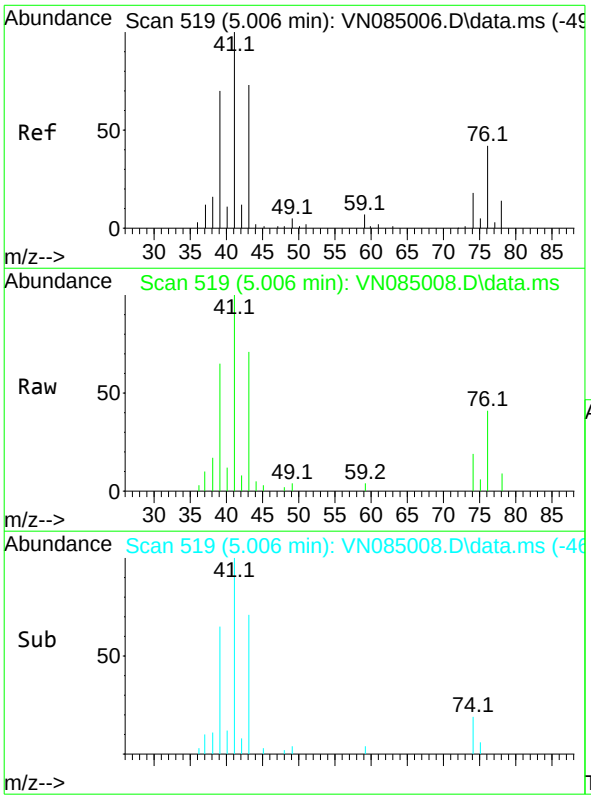
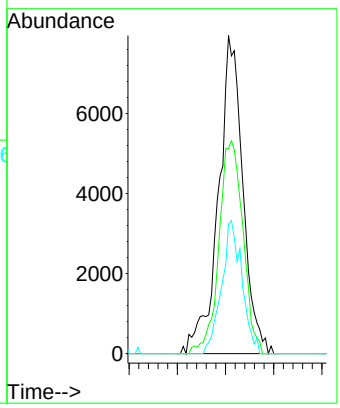
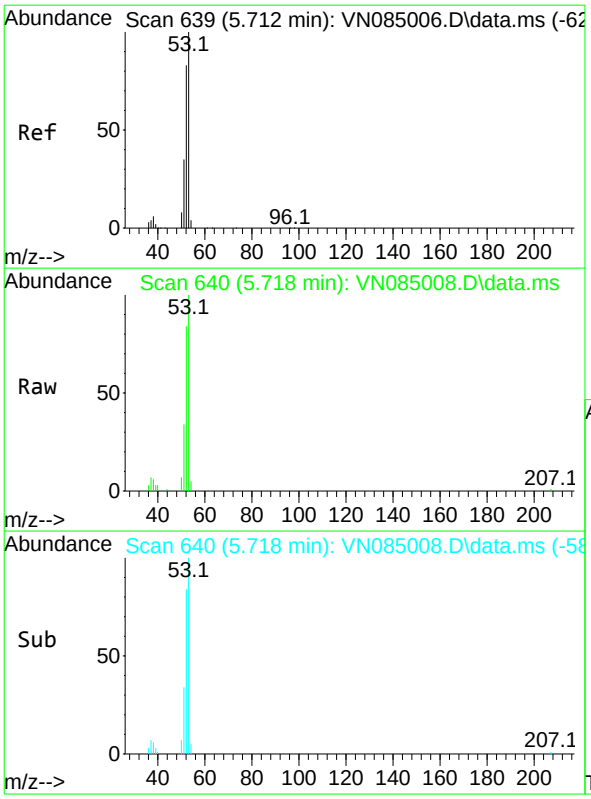


#14
Allyl chloride
Concen: 9.697 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 41 Resp: 28006

Ion	Ratio	Lower	Upper
41	100		
39	65.6	53.8	80.8
76	34.7	29.3	43.9

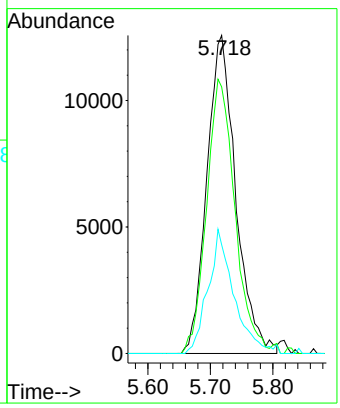




#15
Acrylonitrile
Concen: 46.525 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 53 Resp: 40469

Ion	Ratio	Lower	Upper
53	100		
52	84.5	65.5	98.3
51	35.0	28.4	42.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :John Carlone 11/25/2024
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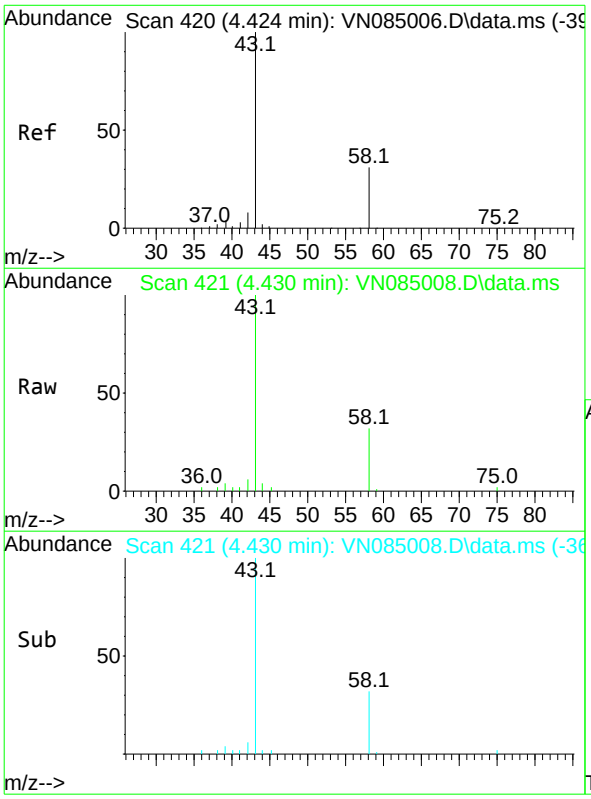
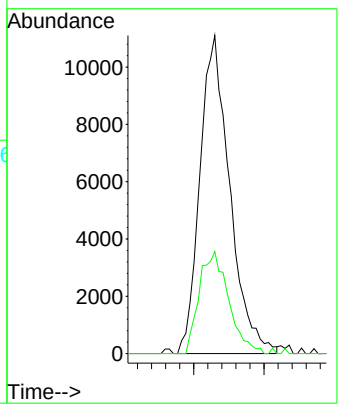
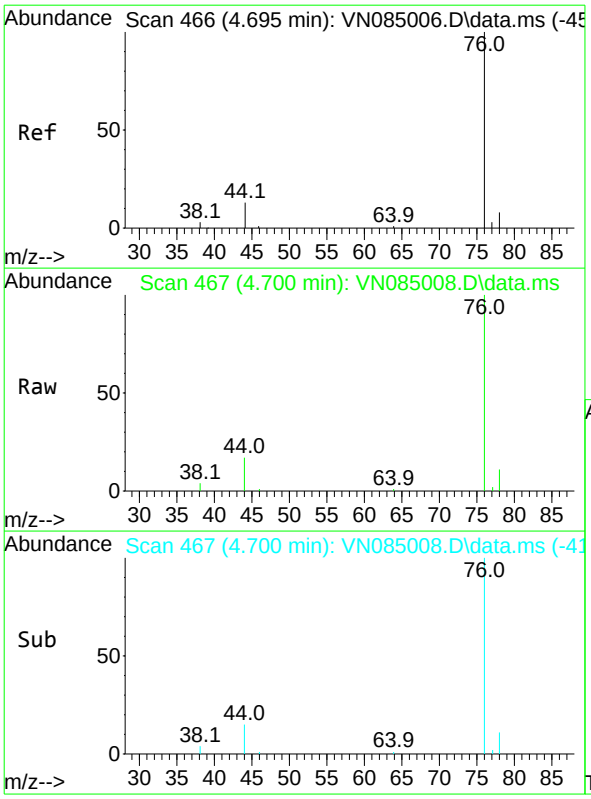


#16
Acetone
Concen: 48.900 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 43 Resp: 32743

Ion	Ratio	Lower	Upper
43	100		
58	32.1	25.4	38.2

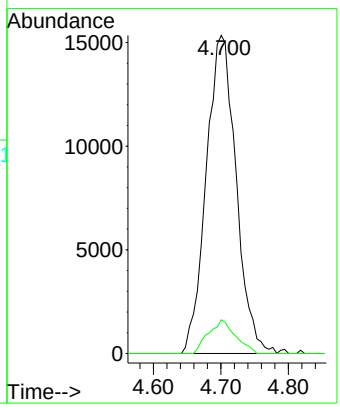




#17
Carbon Disulfide
Concen: 9.331 ug/l
RT: 4.700 min Scan# 46
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 76 Resp: 47181

Ion	Ratio	Lower	Upper
76	100		
78	10.6	6.5	9.7#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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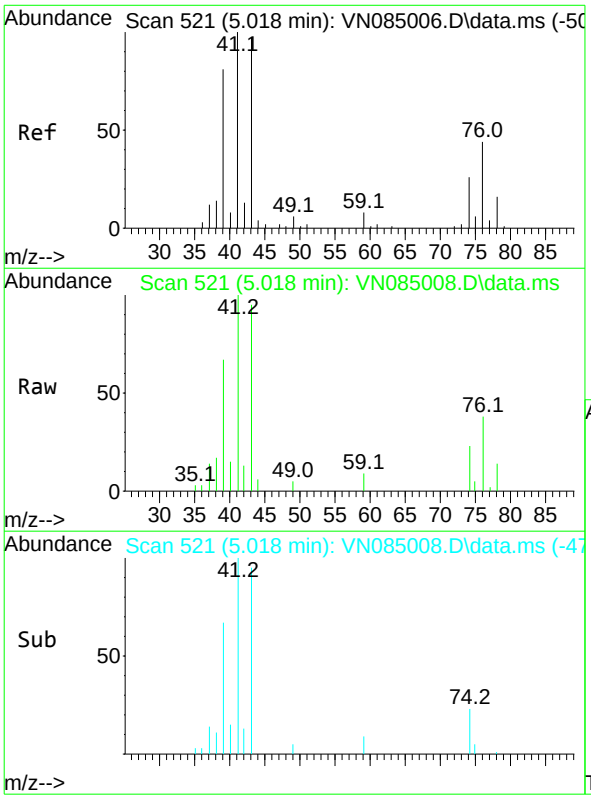
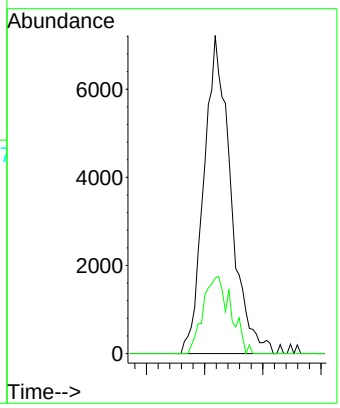
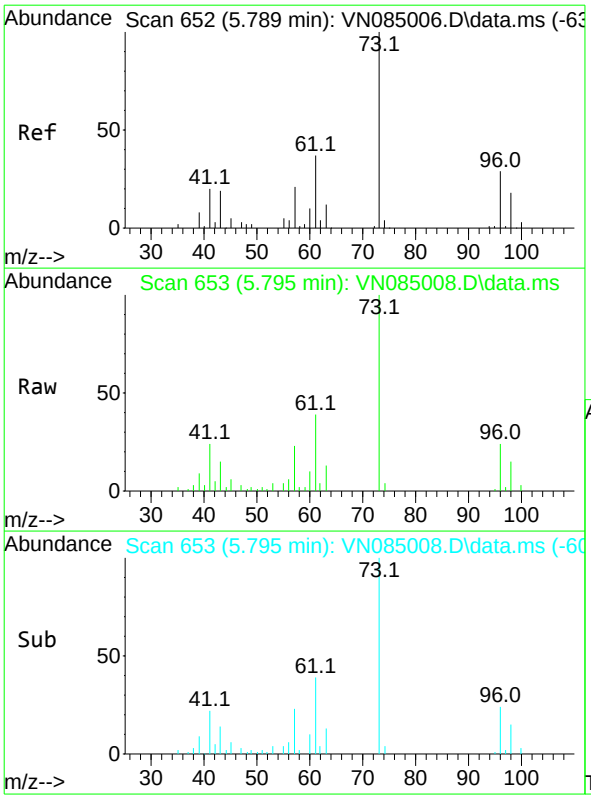


#18
Methyl Acetate
Concen: 9.856 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 43 Resp: 23065

Ion	Ratio	Lower	Upper
43	100		
74	25.0	20.1	30.1

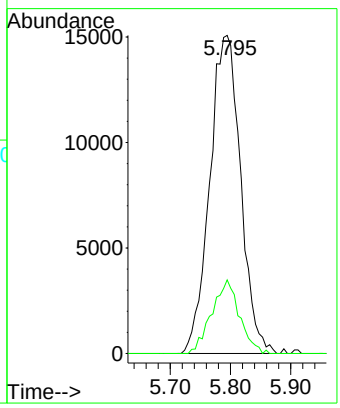




#19
Methyl tert-butyl Ether
Concen: 9.589 ug/l
RT: 5.795 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 73 Resp: 53672

Ion	Ratio	Lower	Upper
73	100		
57	23.1	17.0	25.4



Instrument :
MSVOA_N
ClientSampleId :
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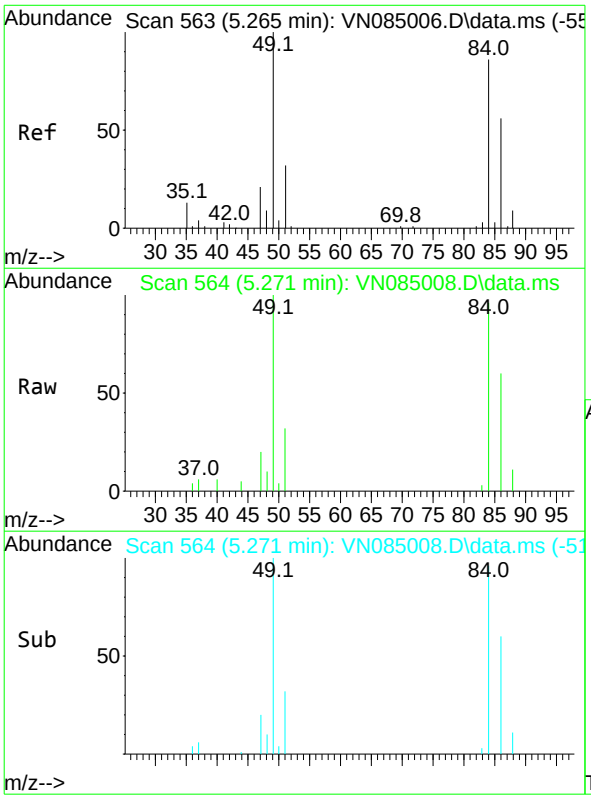
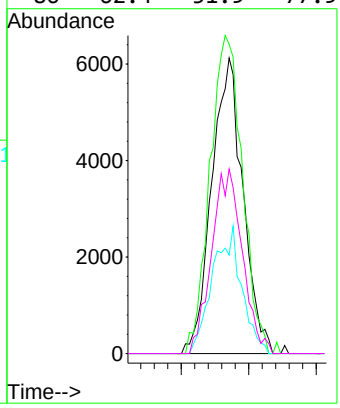
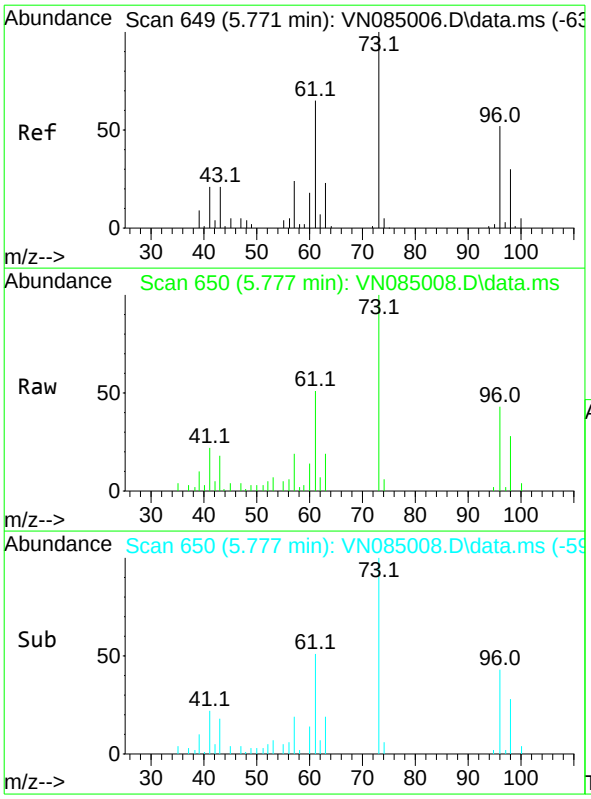


#20
Methylene Chloride
Concen: 9.632 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 84 Resp: 19680

Ion	Ratio	Lower	Upper
84	100		
49	104.6	92.7	139.1
51	33.3	29.4	44.2
86	62.4	51.9	77.9

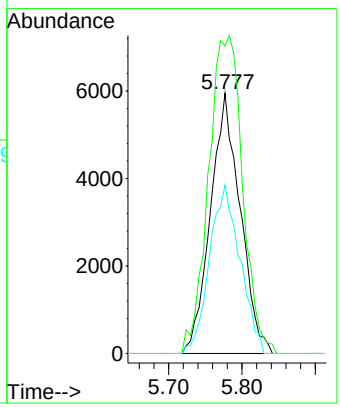




#21
trans-1,2-Dichloroethene
Concen: 9.296 ug/l
RT: 5.777 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 96 Resp: 16759

Ion	Ratio	Lower	Upper
96	100		
61	118.2	100.7	151.1
98	64.8	45.8	68.6



Instrument :
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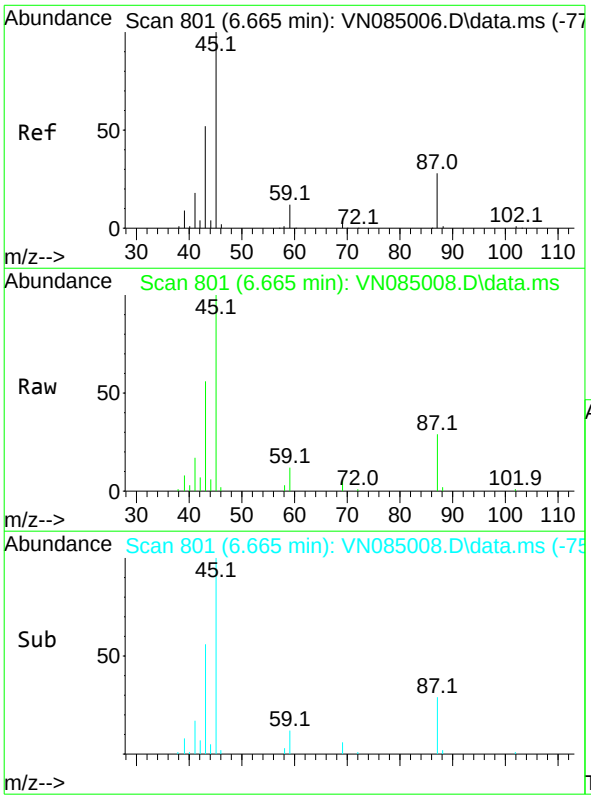
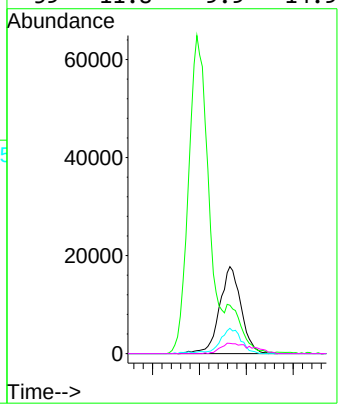
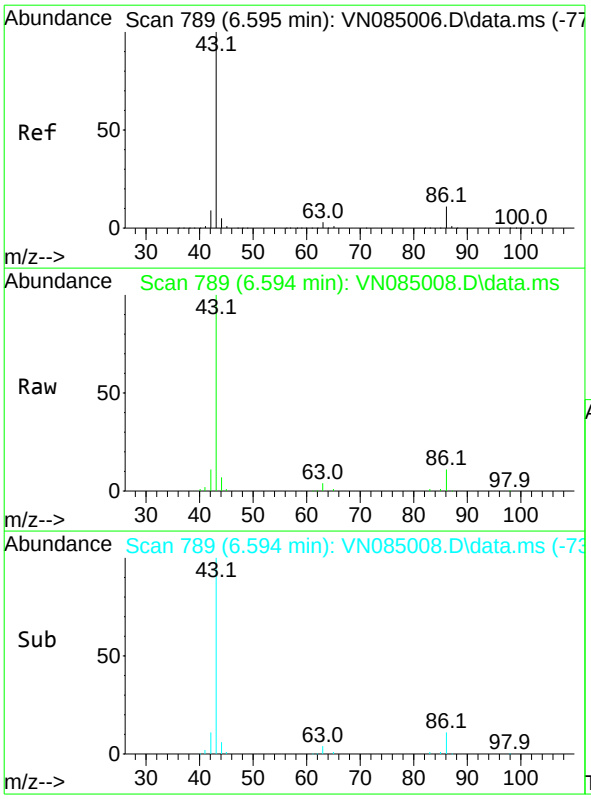


#22
Diisopropyl ether
Concen: 9.716 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 45 Resp: 56475

Ion	Ratio	Lower	Upper
45	100		
43	53.8	42.7	64.1
87	29.0	22.6	34.0
59	11.8	9.9	14.9

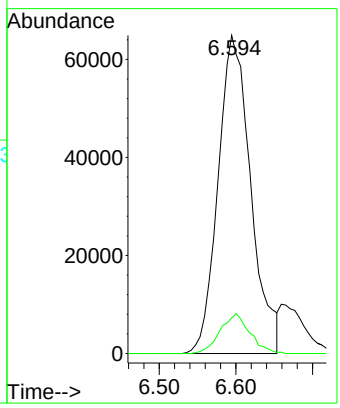




#23
Vinyl Acetate
Concen: 47.962 ug/l
RT: 6.594 min Scan# 78
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 43 Resp: 192330

Ion	Ratio	Lower	Upper
43	100		
86	11.2	8.9	13.3



Instrument :
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ClientSampleId :
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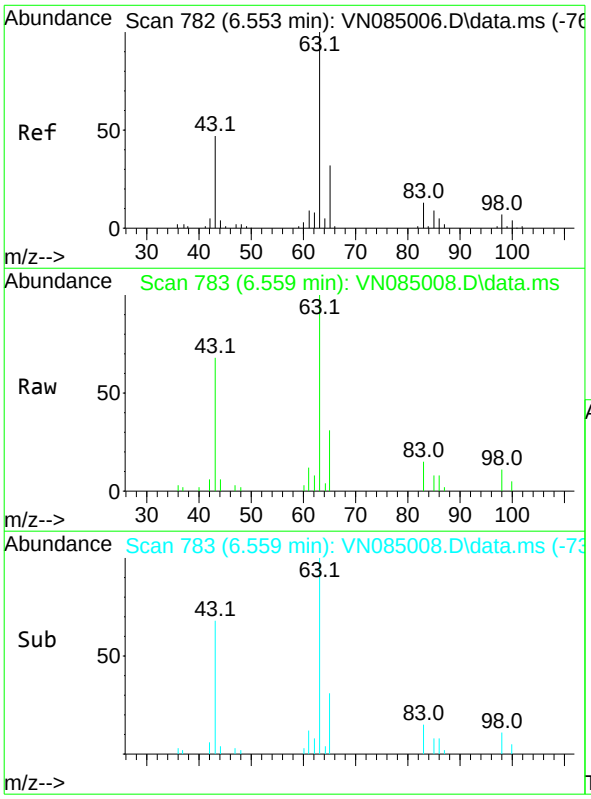
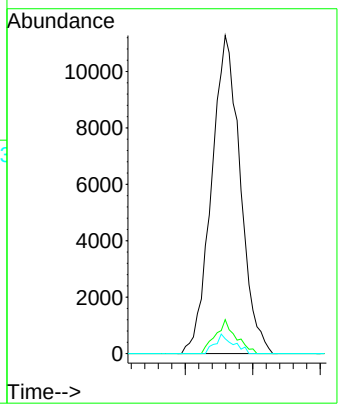
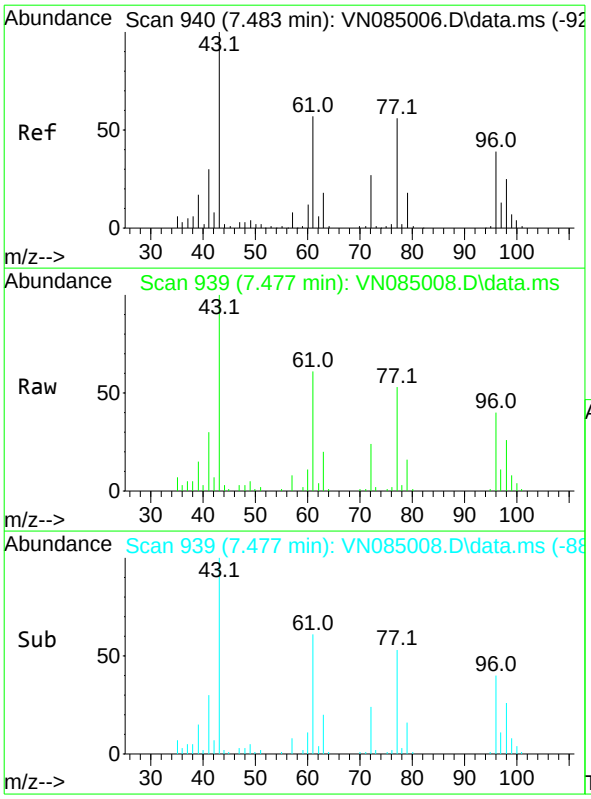


#24
1,1-Dichloroethane
Concen: 9.588 ug/l
RT: 6.559 min Scan# 783
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 63 Resp: 33350

Ion	Ratio	Lower	Upper
63	100		
98	10.7	3.3	9.8#
100	4.7	2.2	6.6

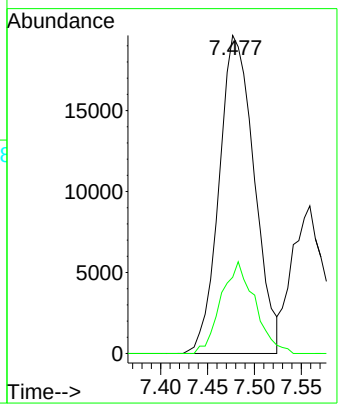




#25
2-Butanone
Concen: 46.790 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 43 Resp: 51223

Ion	Ratio	Lower	Upper
43	100		
72	24.0	21.4	32.0



Instrument :
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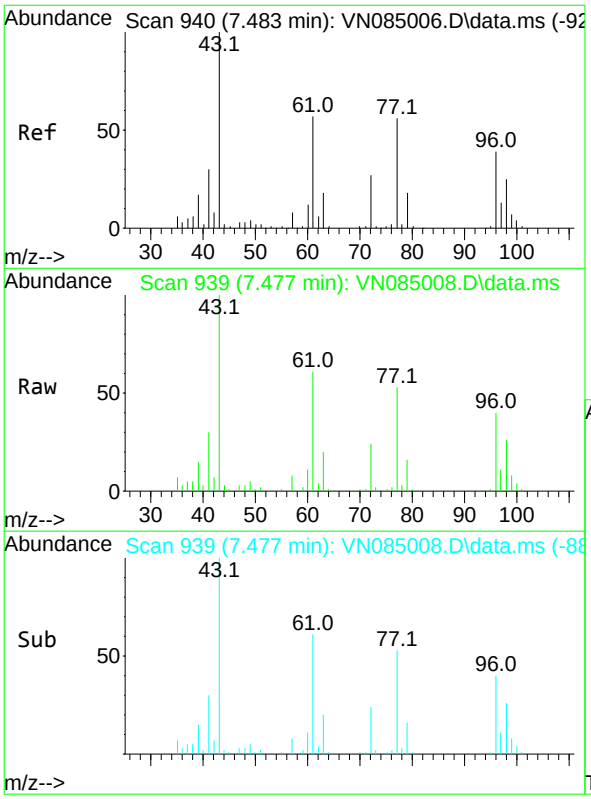
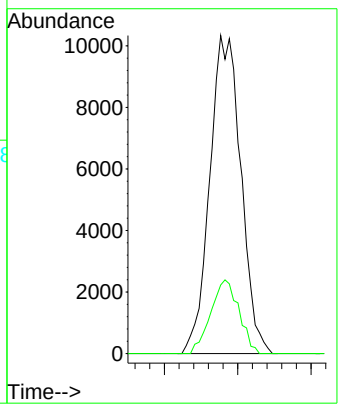
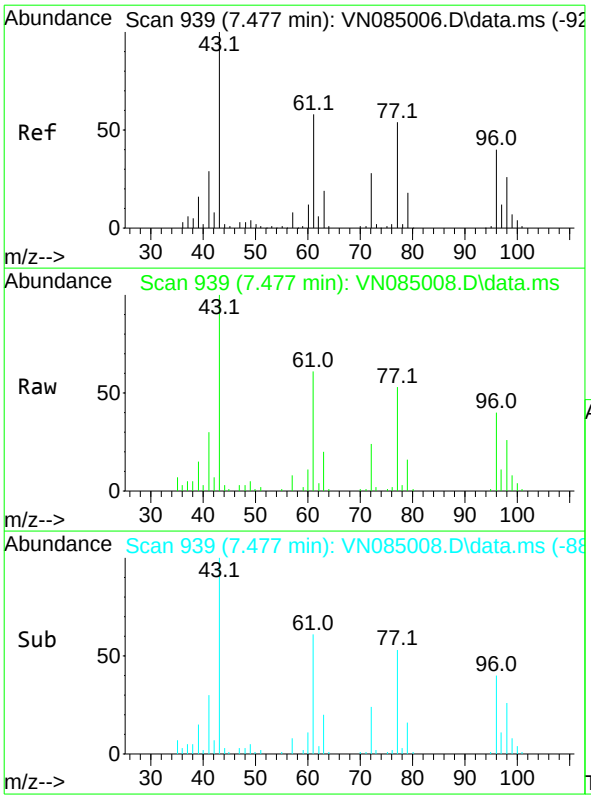


#26
2,2-Dichloropropane
Concen: 9.388 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 77 Resp: 30494

Ion	Ratio	Lower	Upper
77	100		
97	21.0	10.9	32.7

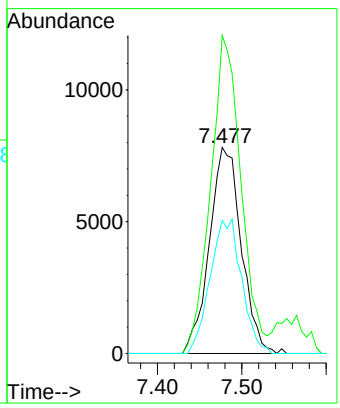




#27
cis-1,2-Dichloroethene
Concen: 9.418 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 96 Resp: 20469

Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	291.6
98	64.5	0.0	129.8



Instrument :
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ClientSampleId :
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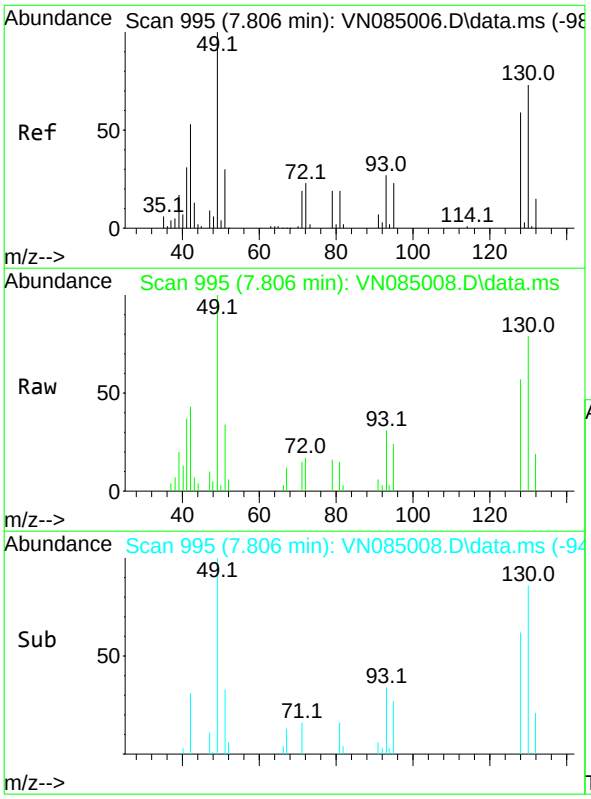
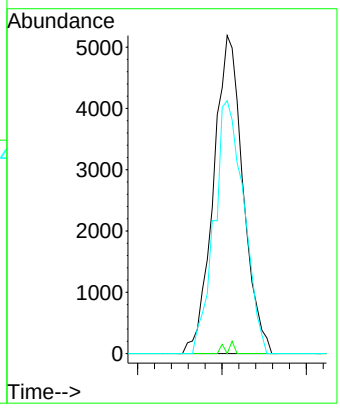
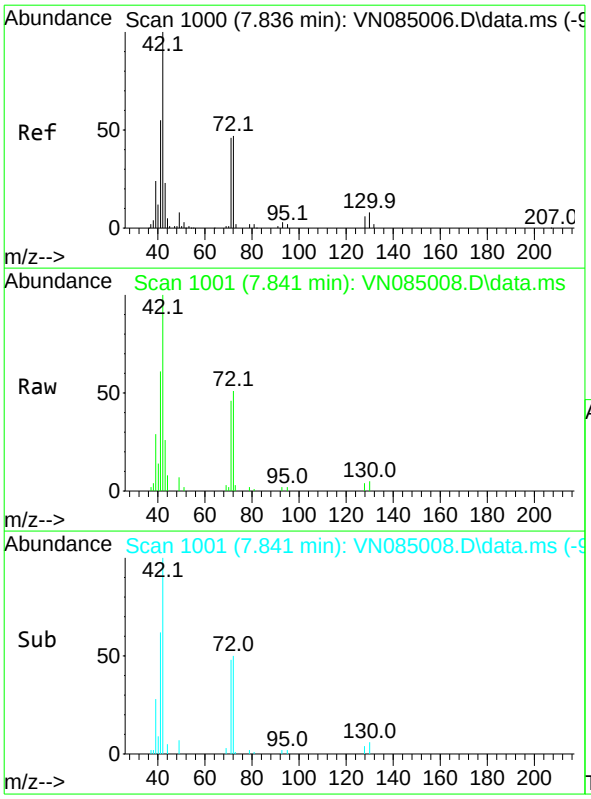


#28
Bromochloromethane
Concen: 9.591 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 49 Resp: 12594

Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	4.0
130	79.8	60.6	90.8

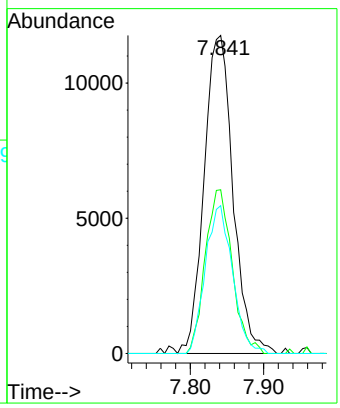




#29
Tetrahydrofuran
Concen: 47.294 ug/l
RT: 7.841 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 42 Resp: 32197

Ion	Ratio	Lower	Upper
42	100		
72	47.9	37.0	55.4
71	43.8	35.0	52.4



Instrument :
MSVOA_N
ClientSampleId :
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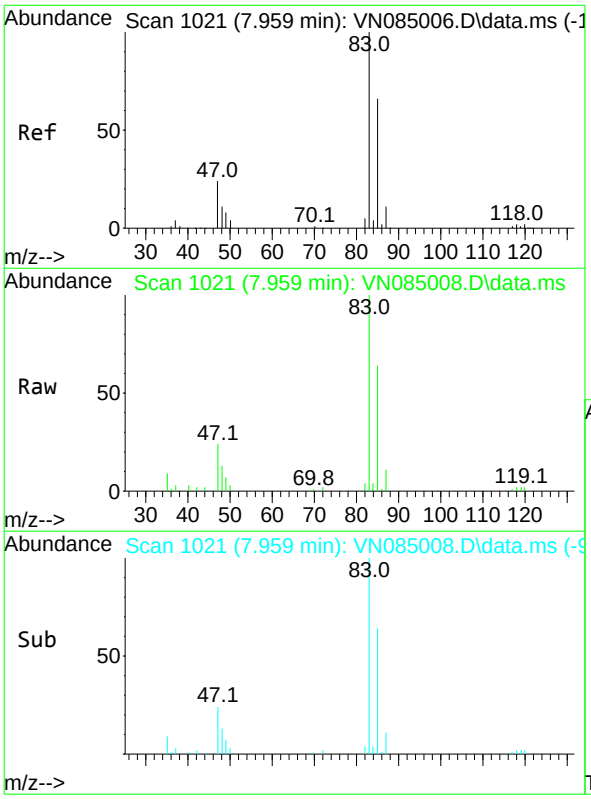
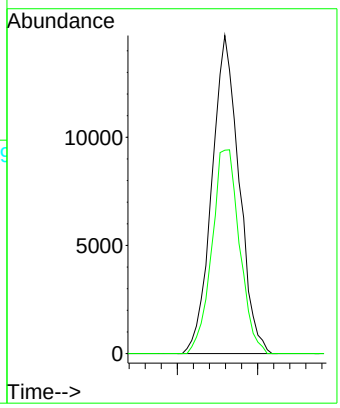
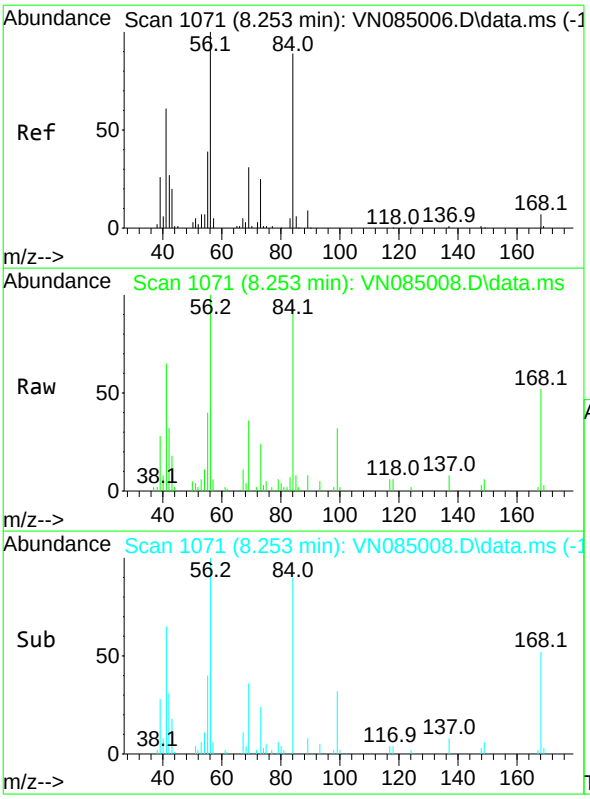


#30
Chloroform
Concen: 9.365 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 83 Resp: 34651

Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.6	78.8

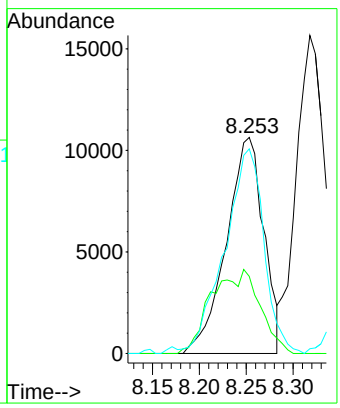




#31
Cyclohexane
Concen: 9.641 ug/l
RT: 8.253 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 56 Resp: 29526

Ion	Ratio	Lower	Upper
56	100		
69	35.7	24.6	36.8
84	92.9	71.4	107.2



Instrument :
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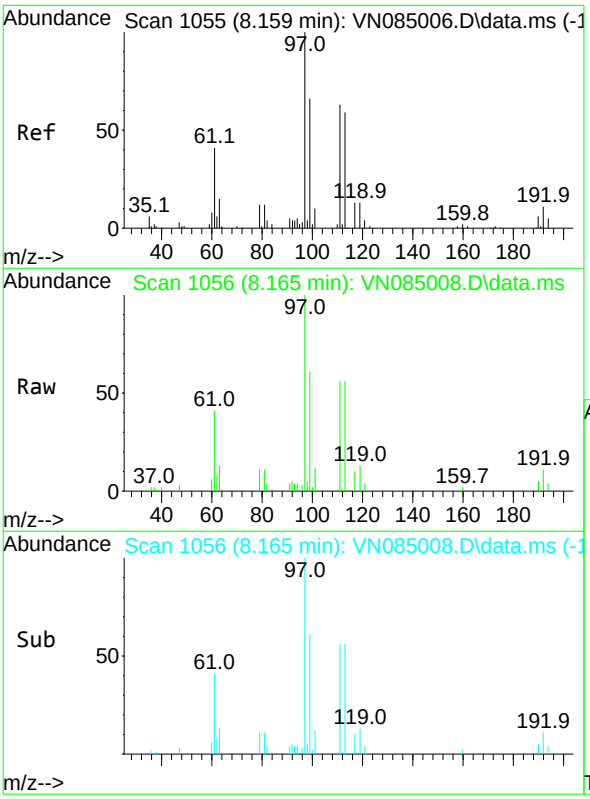
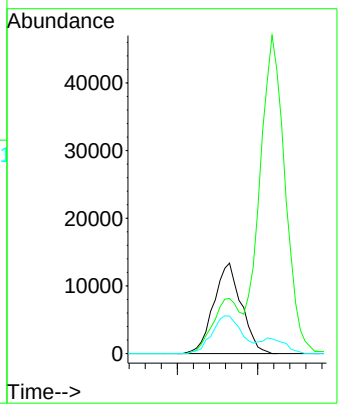
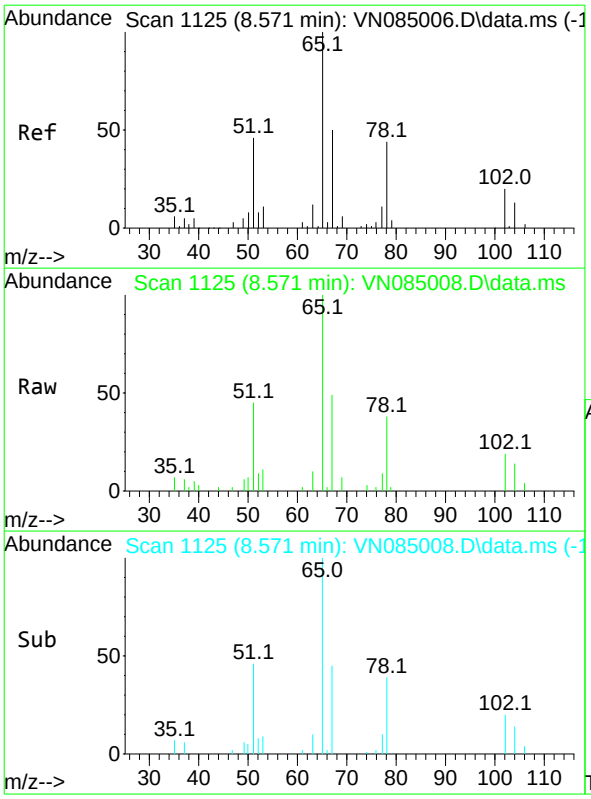


#32
1,1,1-Trichloroethane
Concen: 9.587 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 97 Resp: 32054

Ion	Ratio	Lower	Upper
97	100		
99	61.9	51.0	76.4
61	44.6	36.2	54.2

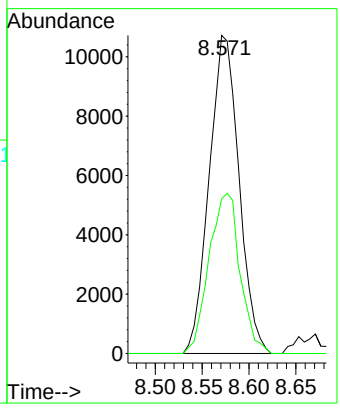




#33
1,2-Dichloroethane-d4
Concen: 10.323 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 65 Resp: 23734

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	105.0



Instrument :
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ClientSampleId :
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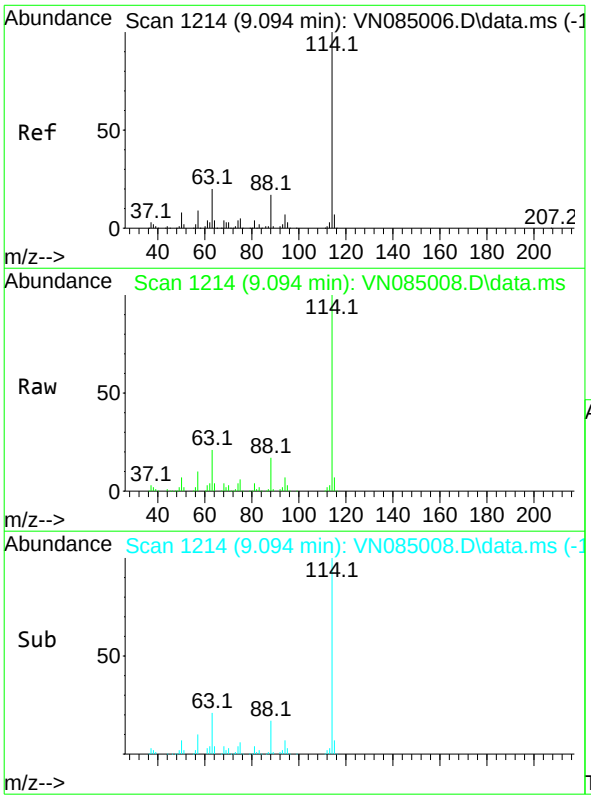
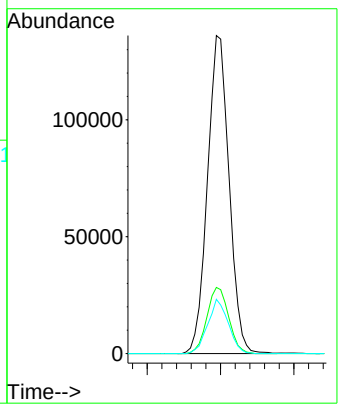
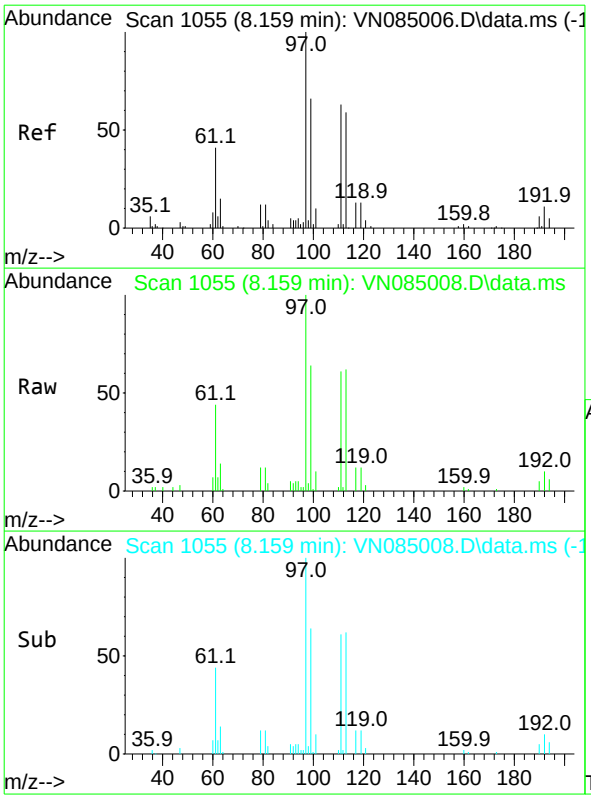


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:114 Resp: 278264

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	41.0
88	17.1	0.0	34.8

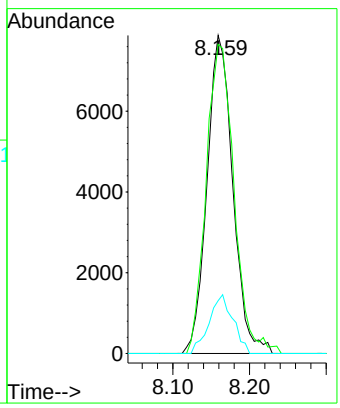




#35
Dibromofluoromethane
Concen: 9.801 ug/l
RT: 8.159 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:113 Resp: 18392

Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.0	123.0
192	17.1	14.8	22.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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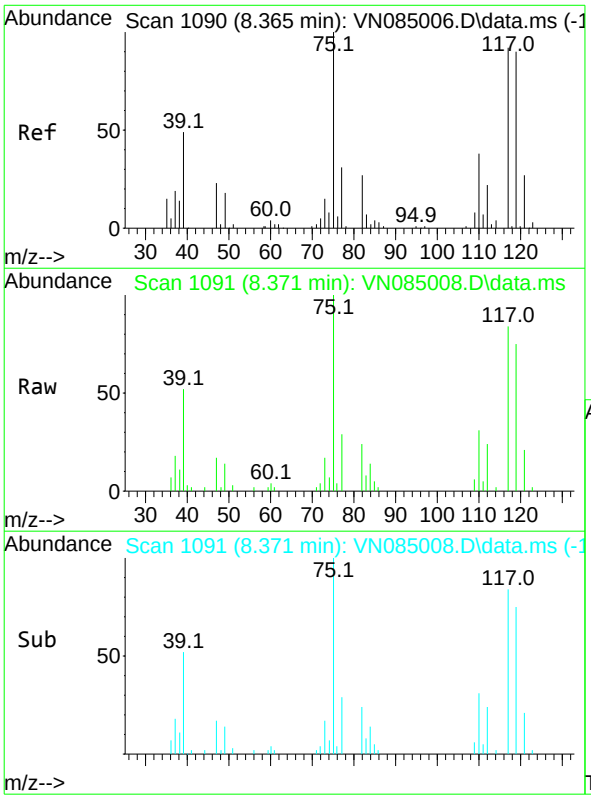
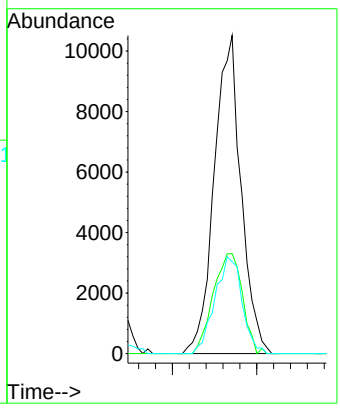
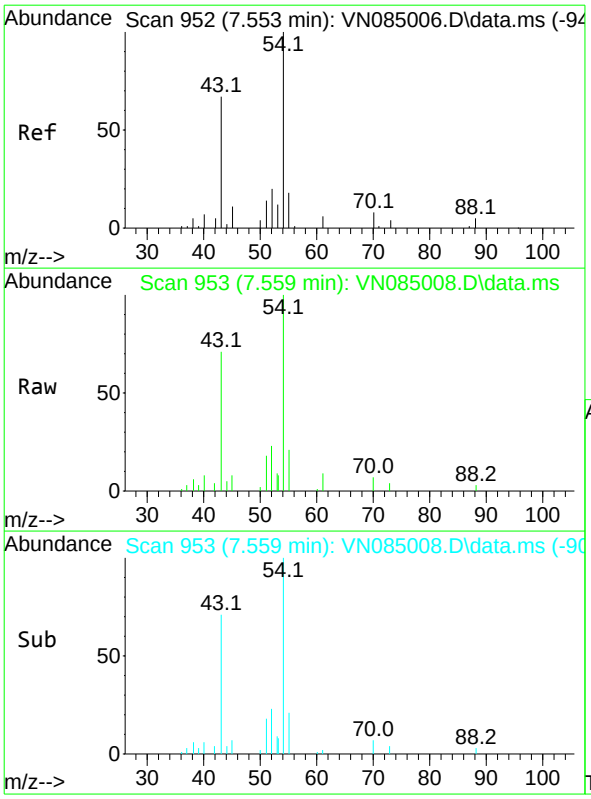


#36
1,1-Dichloropropene
Concen: 9.130 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 75 Resp: 23205

Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.2	51.6
77	30.9	24.2	36.4

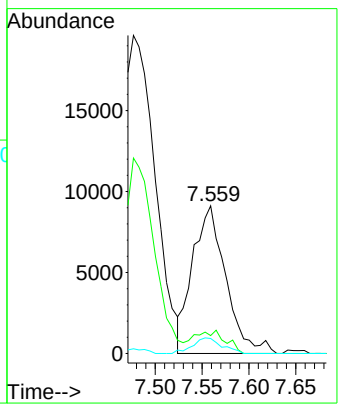




#37
Ethyl Acetate
Concen: 9.732 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 43 Resp: 22487

Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.7	17.5
70	9.2	9.3	13.9#



Instrument :
MSVOA_N
ClientSampleId :
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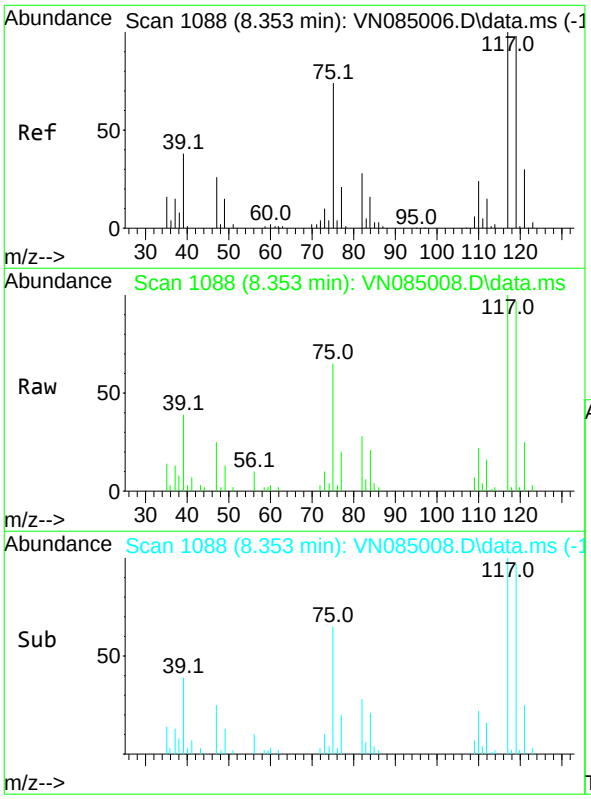
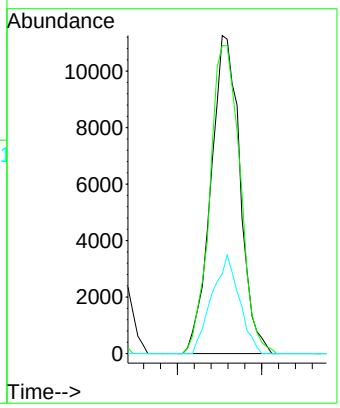
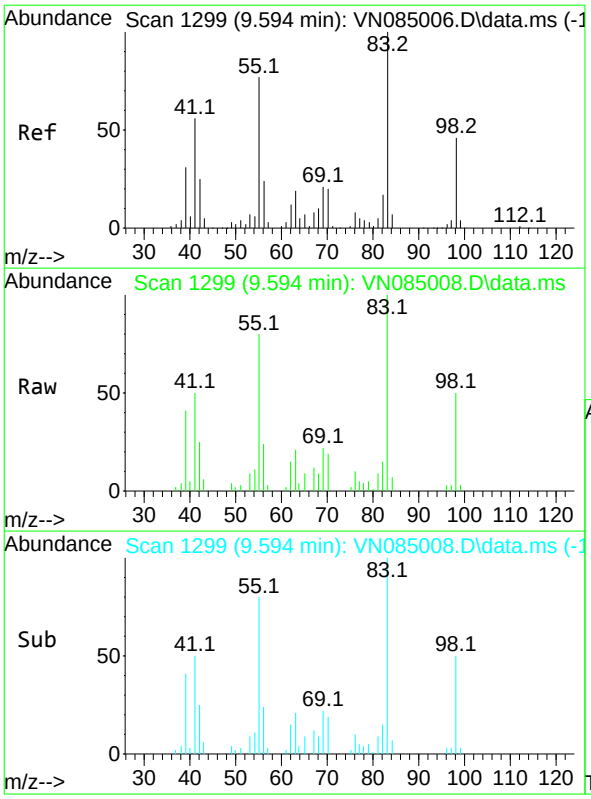


#38
Carbon Tetrachloride
Concen: 9.186 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:117 Resp: 26952

Ion	Ratio	Lower	Upper
117	100		
119	96.8	78.6	117.8
121	25.0	24.2	36.2

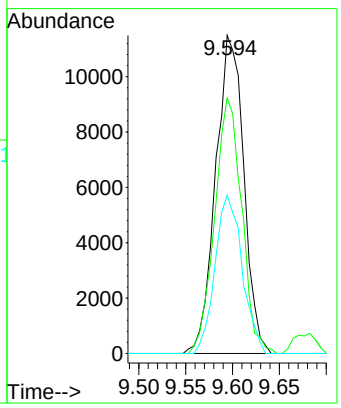




#39
Methylcyclohexane
Concen: 9.058 ug/l
RT: 9.594 min Scan# 12
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 83 Resp: 23924

Ion	Ratio	Lower	Upper
83	100		
55	80.4	61.8	92.6
98	49.8	37.0	55.6



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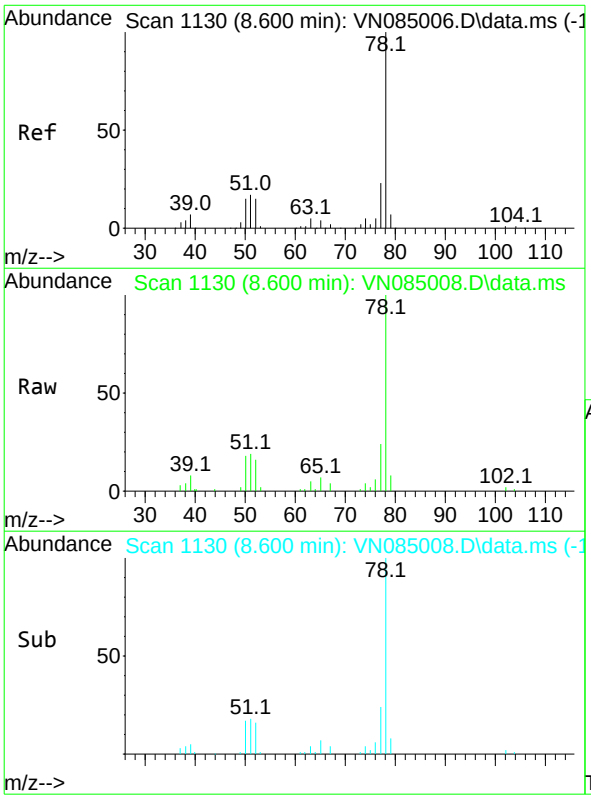
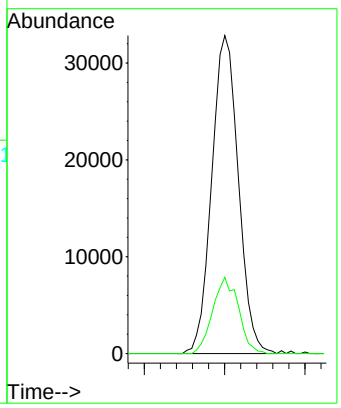
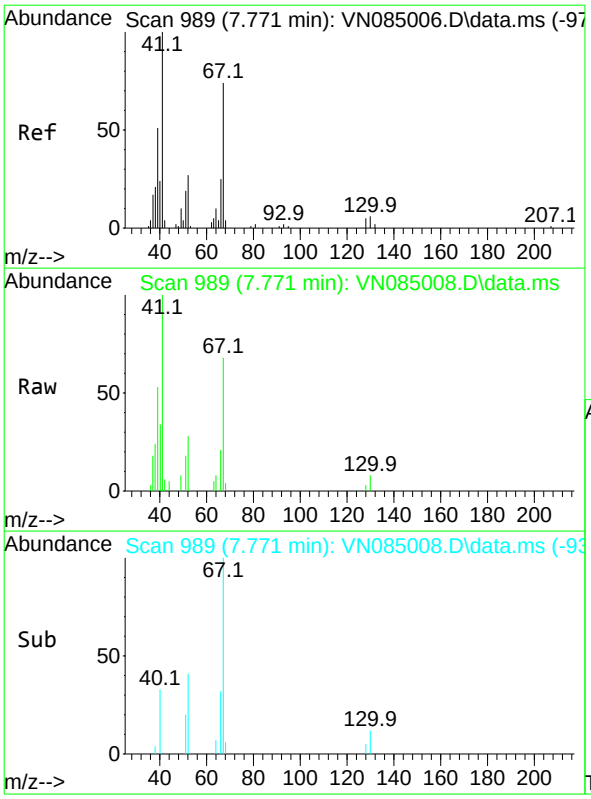


#40
Benzene
Concen: 9.404 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 78 Resp: 75597

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.5	27.7

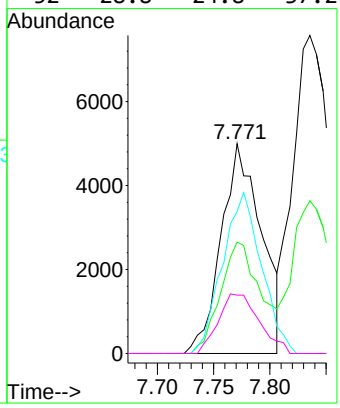




#41
Methacrylonitrile
Concen: 9.705 ug/l
RT: 7.771 min Scan# 98
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 41 Resp: 12417

Ion	Ratio	Lower	Upper
41	100		
39	53.3	42.6	63.8
67	74.5	59.9	89.9
52	28.8	24.8	37.2



Instrument :
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ClientSampleId :
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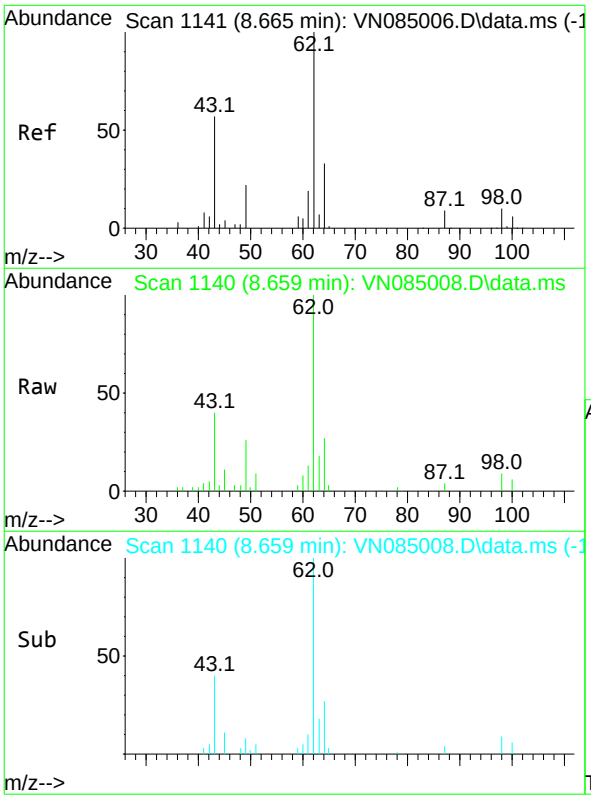
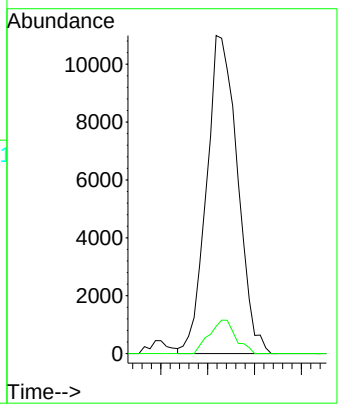
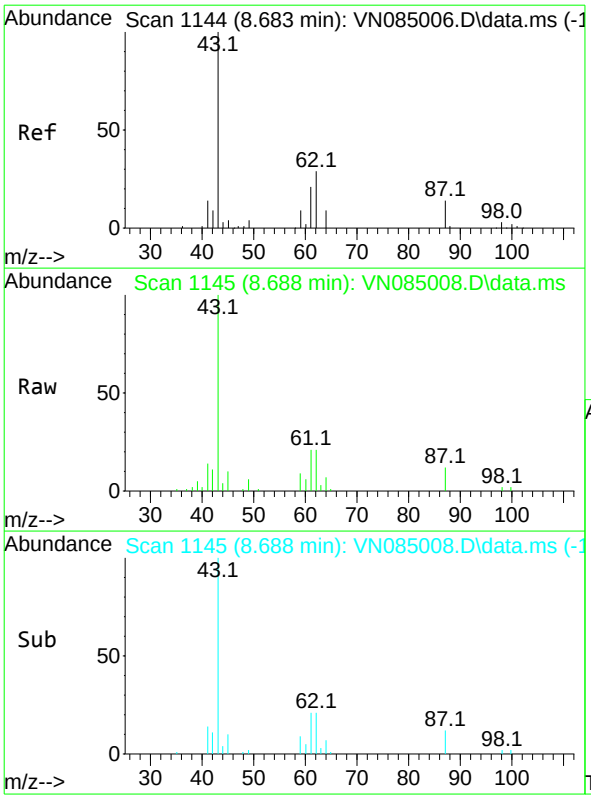


#42
1,2-Dichloroethane
Concen: 9.152 ug/l
RT: 8.659 min Scan# 1140
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 62 Resp: 25169

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2

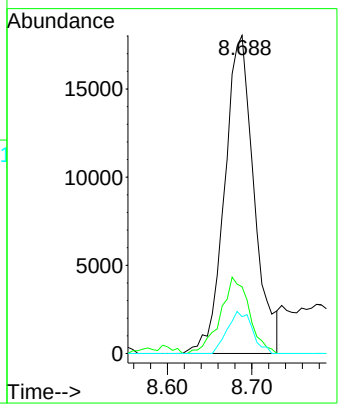




#43
Isopropyl Acetate
Concen: 9.108 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 43 Resp: 43717

Ion	Ratio	Lower	Upper
43	100		
61	23.5	20.6	30.8
87	11.2	11.0	16.4



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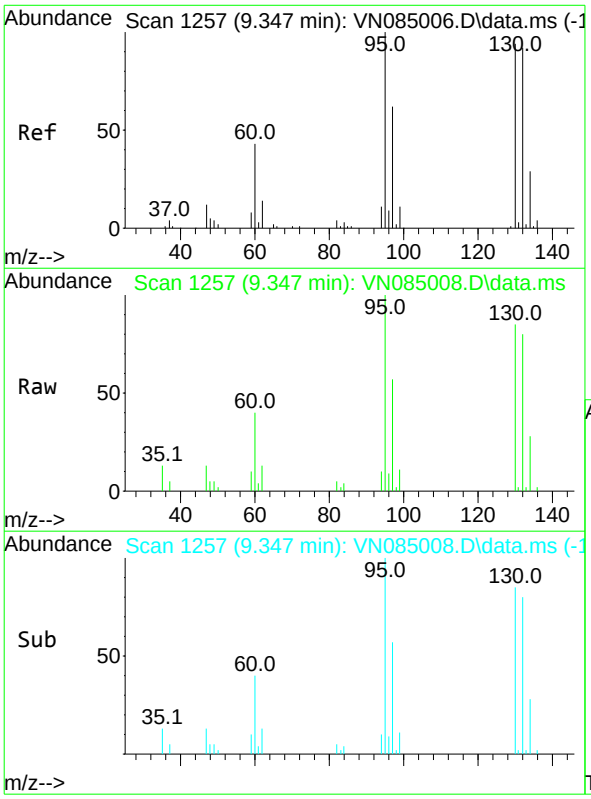
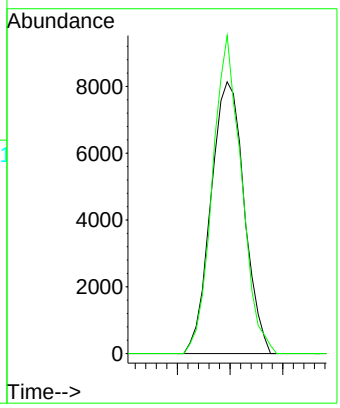
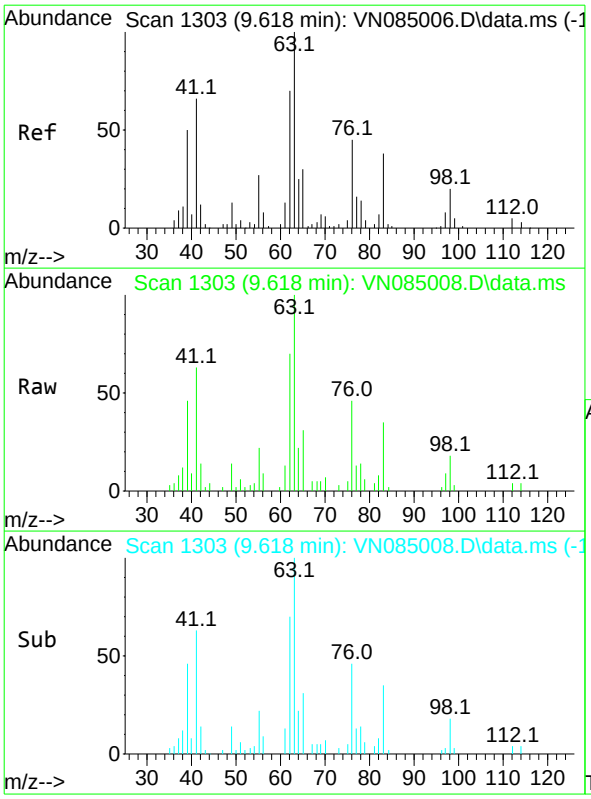


#44
Trichloroethene
Concen: 9.547 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:130 Resp: 17835

Ion	Ratio	Lower	Upper
130	100		
95	117.0	0.0	213.4

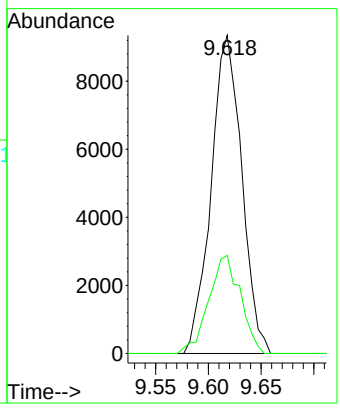




#45
1,2-Dichloropropane
Concen: 9.546 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 63 Resp: 18902

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.0	36.0



Instrument :
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ClientSampleId :
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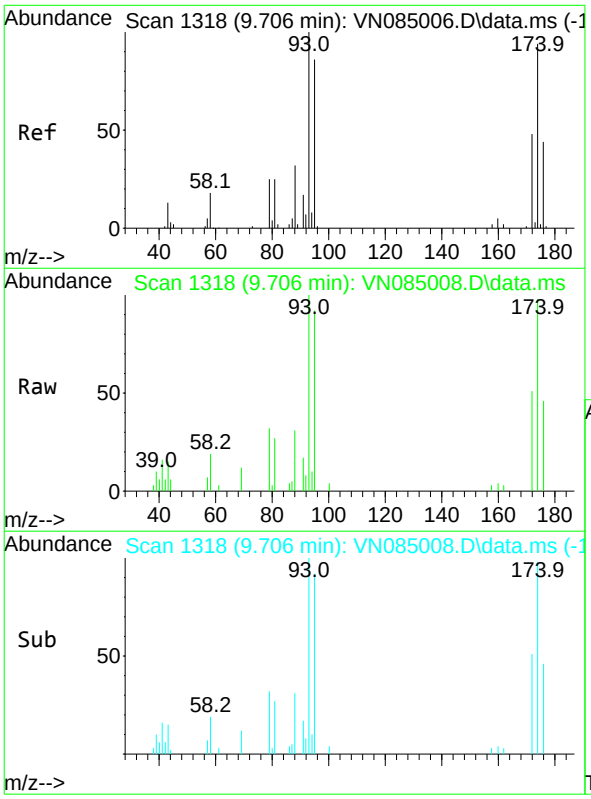
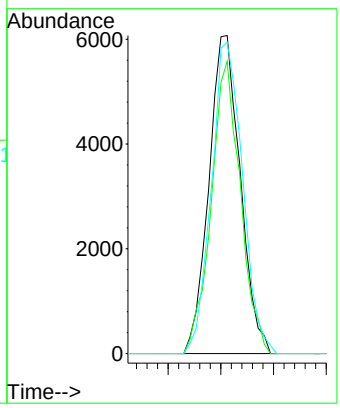
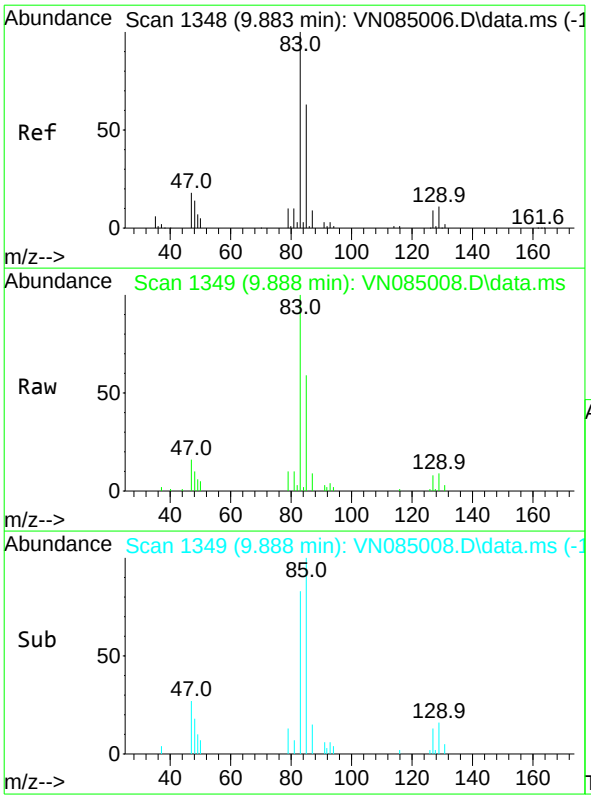


#46
Dibromomethane
Concen: 9.114 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 93 Resp: 12540

Ion	Ratio	Lower	Upper
93	100		
95	85.5	66.2	99.4
174	97.5	74.9	112.3

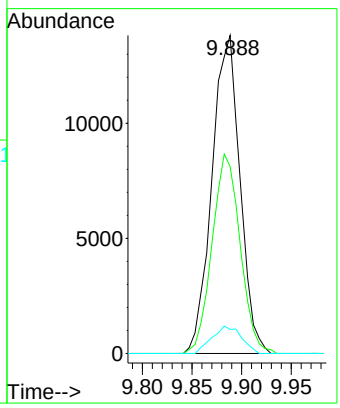




#47
Bromodichloromethane
Concen: 9.306 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 83 Resp: 27136

Ion	Ratio	Lower	Upper
83	100		
85	58.8	50.5	75.7
127	7.6	7.1	10.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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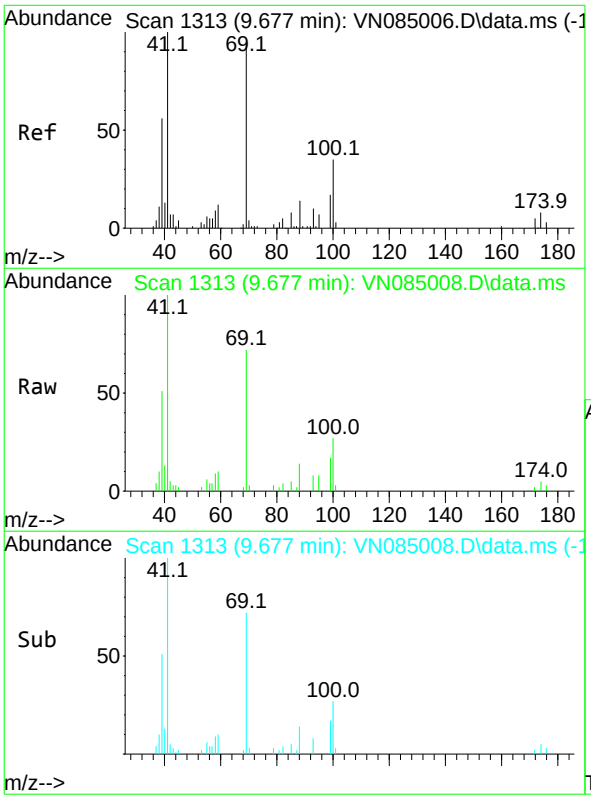
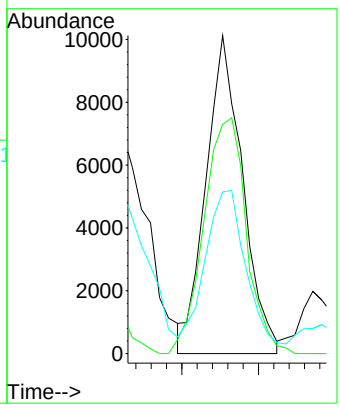
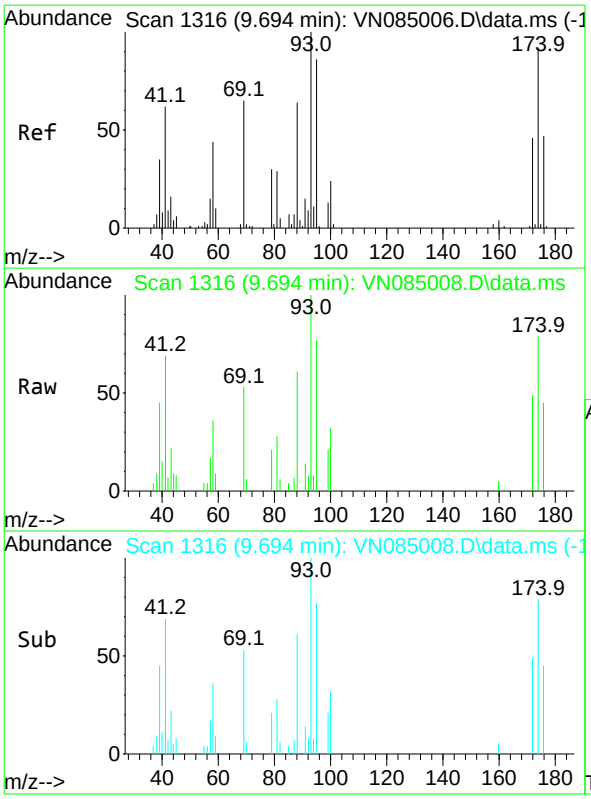


#48
Methyl methacrylate
Concen: 9.402 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 41 Resp: 16793

Ion	Ratio	Lower	Upper
41	100		
69	85.7	73.2	109.8
39	59.4	46.2	69.4

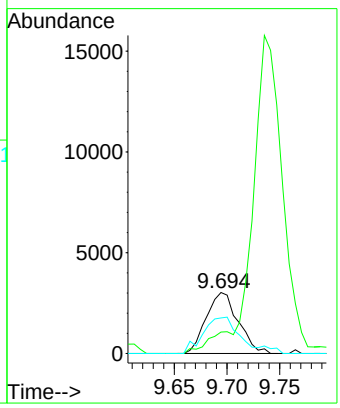




#49
1,4-Dioxane
Concen: 205.527 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 88 Resp: 6366

Ion	Ratio	Lower	Upper
88	100		
43	0.0	16.7	25.1#
58	70.8	56.5	84.7



Instrument :
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ClientSampleId :
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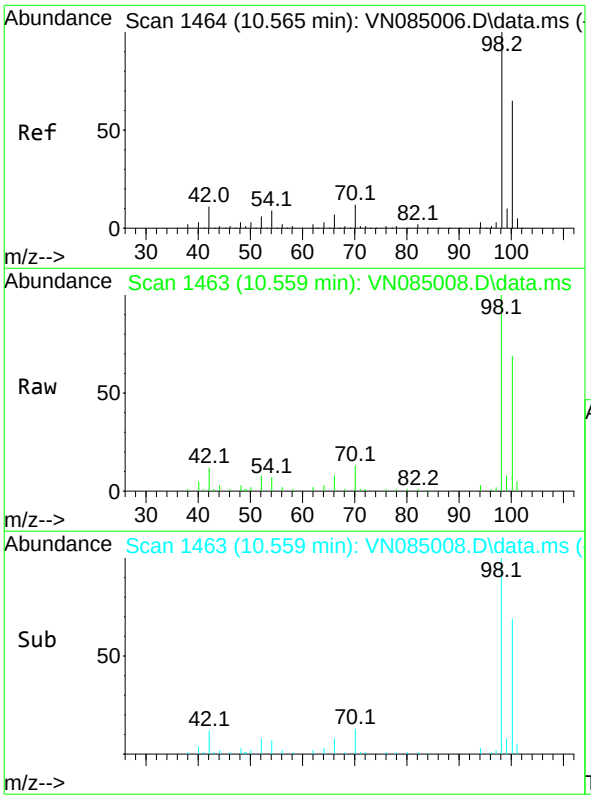
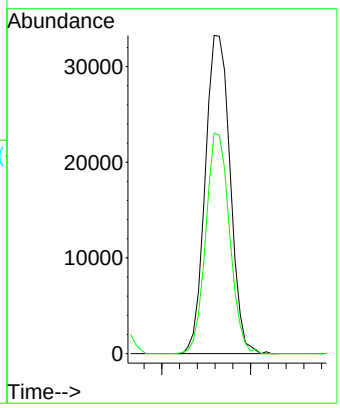
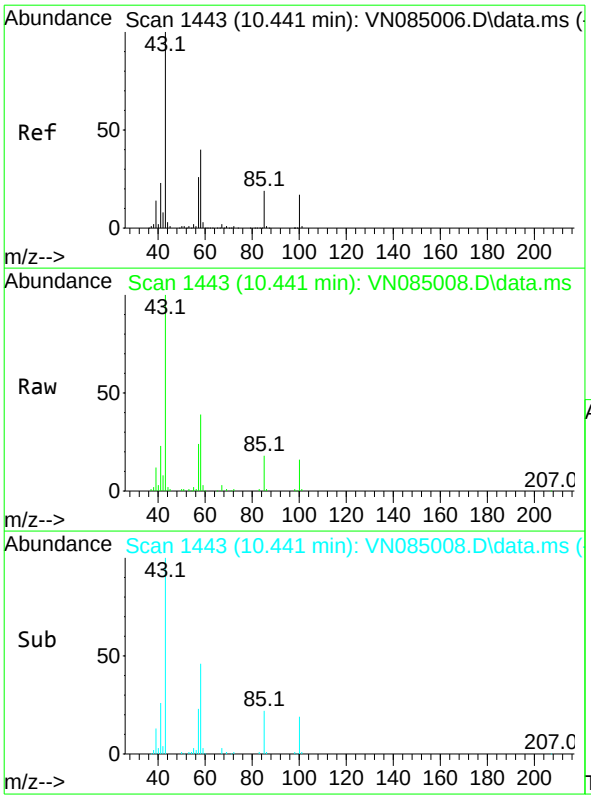


#50
Toluene-d8
Concen: 9.614 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 98 Resp: 64656

Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.5	78.7





#51
4-Methyl-2-Pentanone
Concen: 48.544 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 43 Resp: 106422

Ion	Ratio	Lower	Upper
43	100		
58	40.1	32.1	48.1

Instrument :
MSVOA_N
ClientSampleId :
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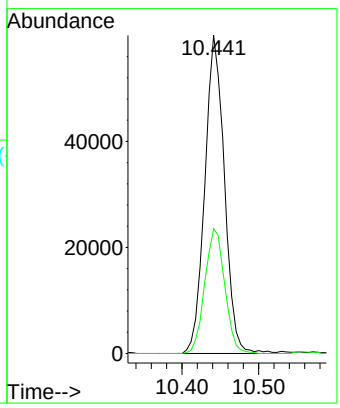
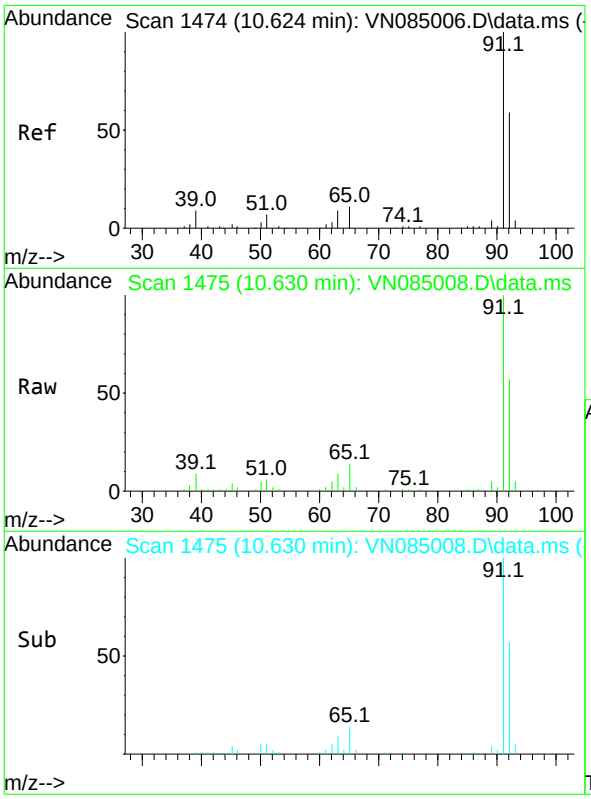
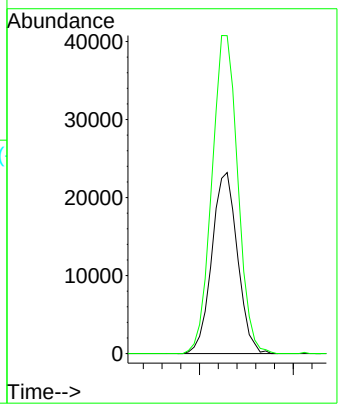


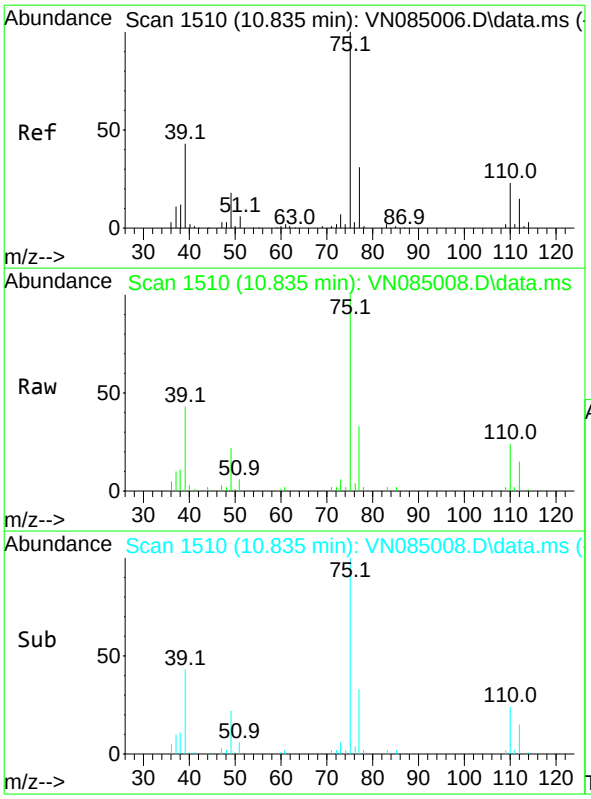


#52
Toluene
Concen: 9.261 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 92 Resp: 44072

Ion	Ratio	Lower	Upper
92	100		
91	177.5	136.7	205.1

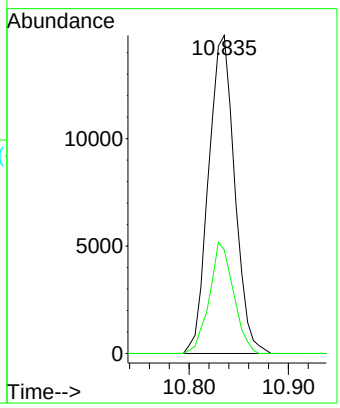




#53
t-1,3-Dichloropropene
Concen: 9.249 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 75 Resp: 27040

Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.0	37.4



Instrument :
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ClientSampleId :
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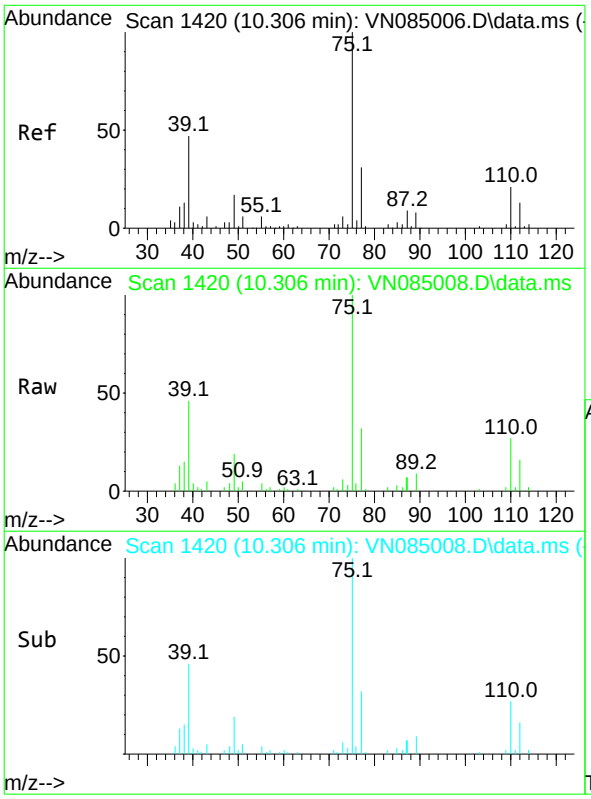
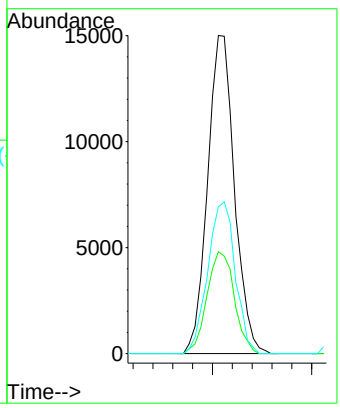
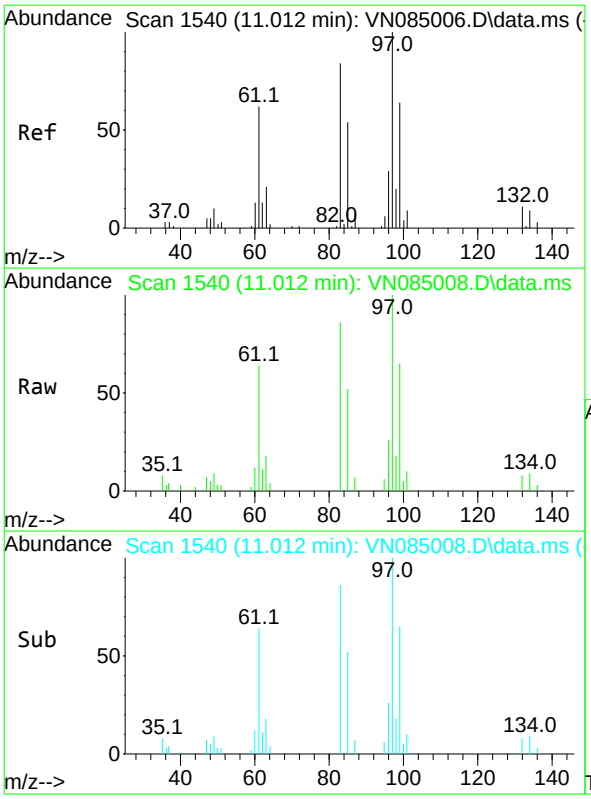


#54
cis-1,3-Dichloropropene
Concen: 9.087 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 75 Resp: 28183

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.0	37.4
39	46.1	37.6	56.4

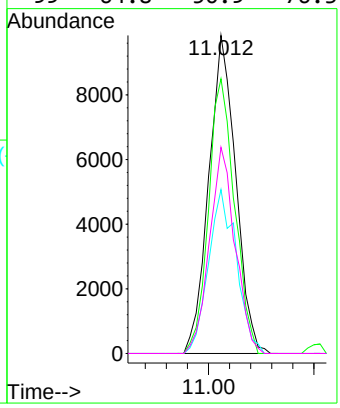




#55
1,1,2-Trichloroethane
Concen: 9.871 ug/l
RT: 11.012 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 97 Resp: 17498

Ion	Ratio	Lower	Upper
97	100		
83	86.4	67.4	101.2
85	51.5	43.1	64.7
99	64.8	50.9	76.3



Instrument :
MSVOA_N
ClientSampleId :
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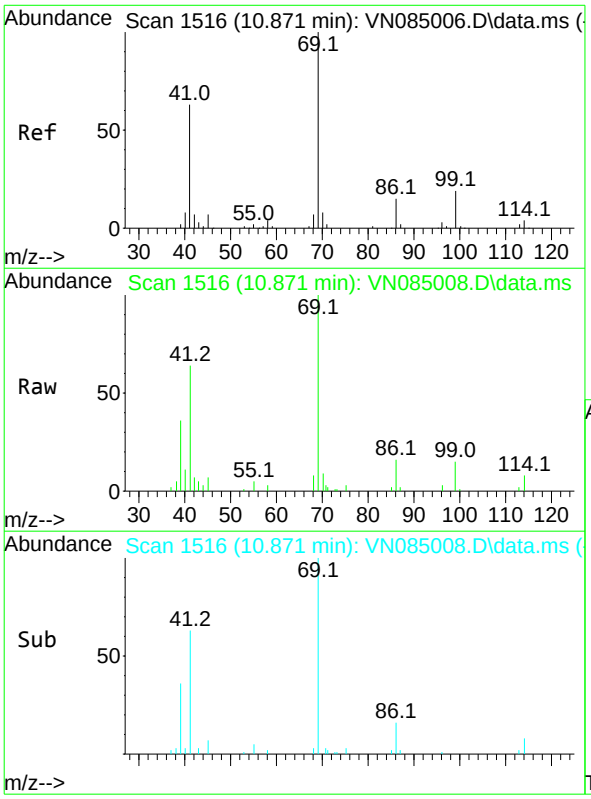
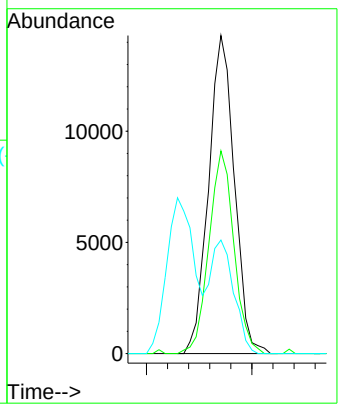
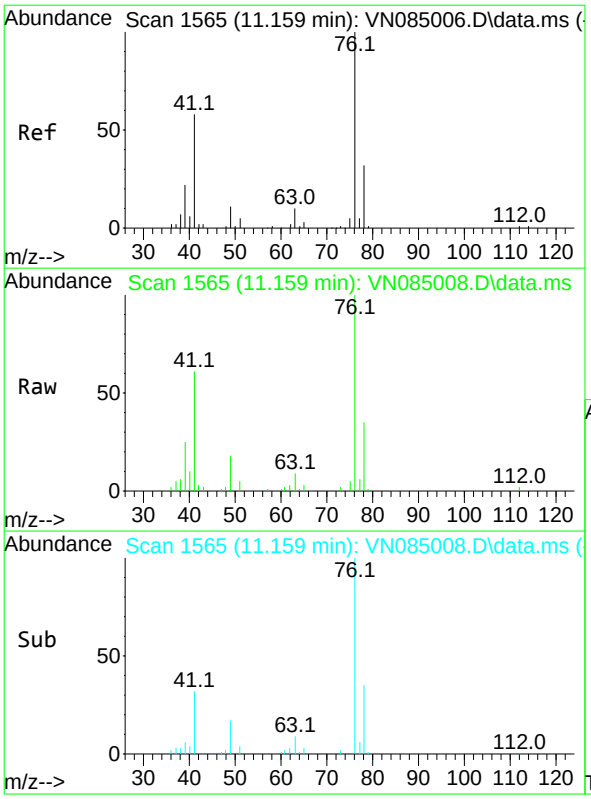


#56
Ethyl methacrylate
Concen: 9.385 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 69 Resp: 24309

Ion	Ratio	Lower	Upper
69	100		
41	61.7	50.0	75.0
39	33.1	27.0	40.6

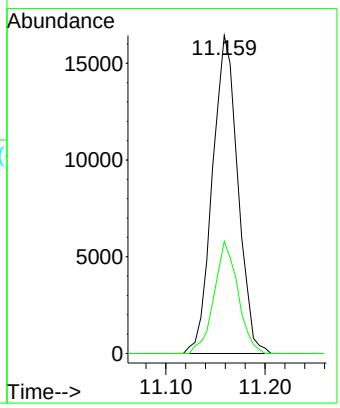




#57
1,3-Dichloropropane
Concen: 9.378 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 76 Resp: 29257

Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.1	39.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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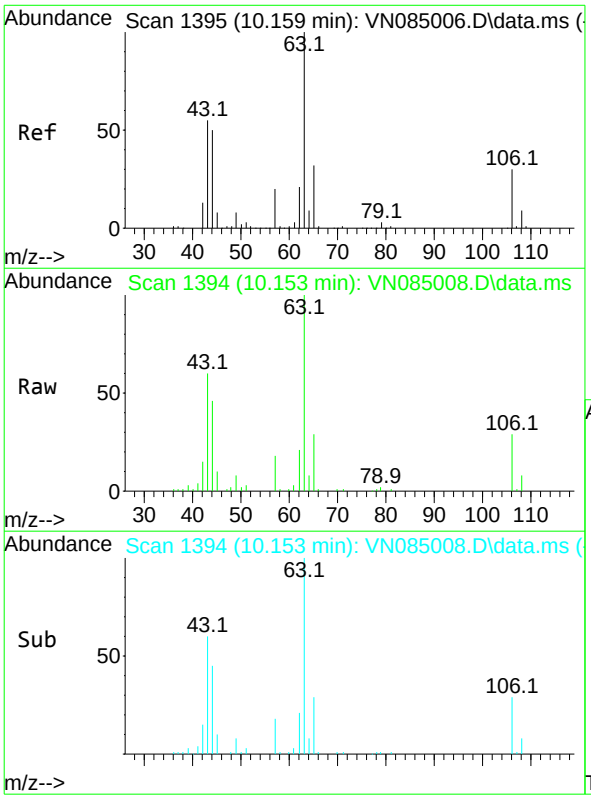
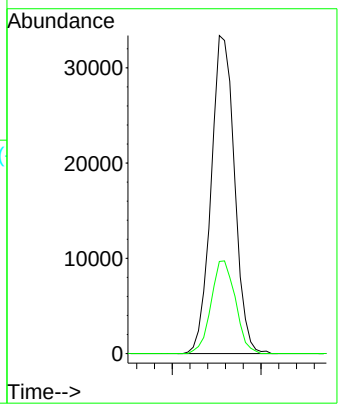
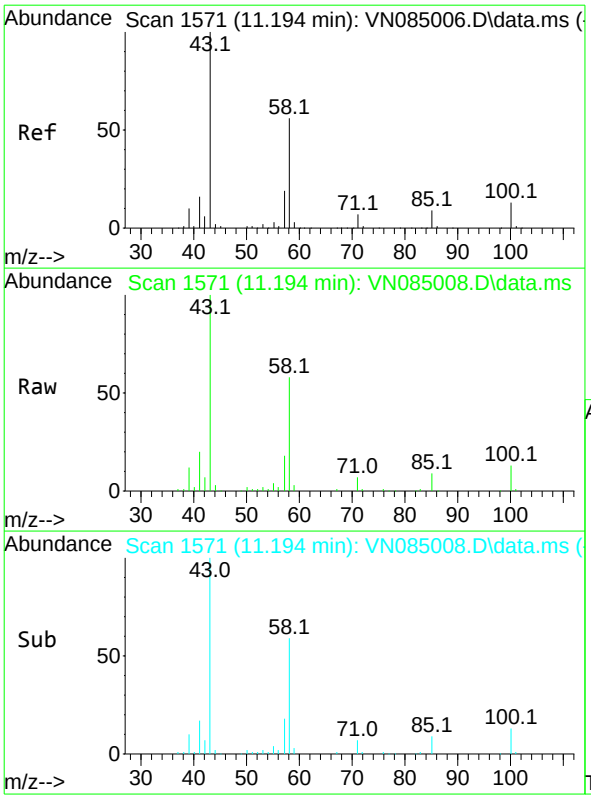


#58
2-Chloroethyl Vinyl ether
Concen: 48.207 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 63 Resp: 61252

Ion	Ratio	Lower	Upper
63	100		
106	30.3	23.0	34.6

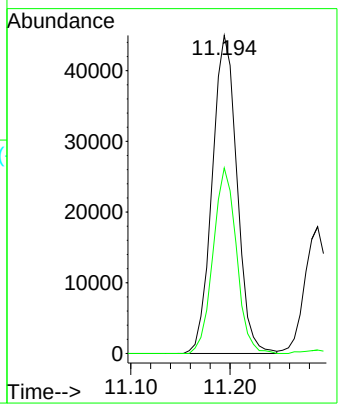




#59
2-Hexanone
Concen: 47.542 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 43 Resp: 77951

Ion	Ratio	Lower	Upper
43	100		
58	55.0	28.3	85.0



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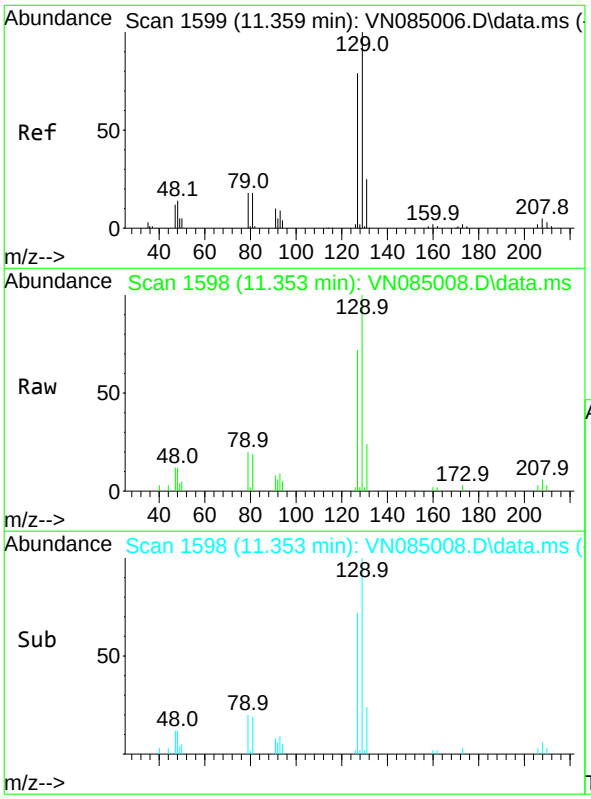
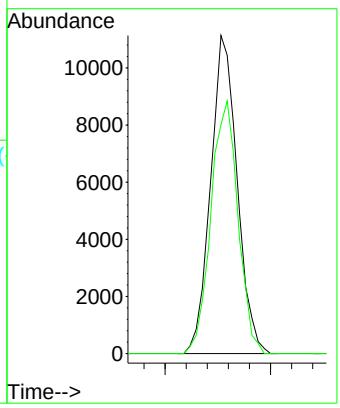
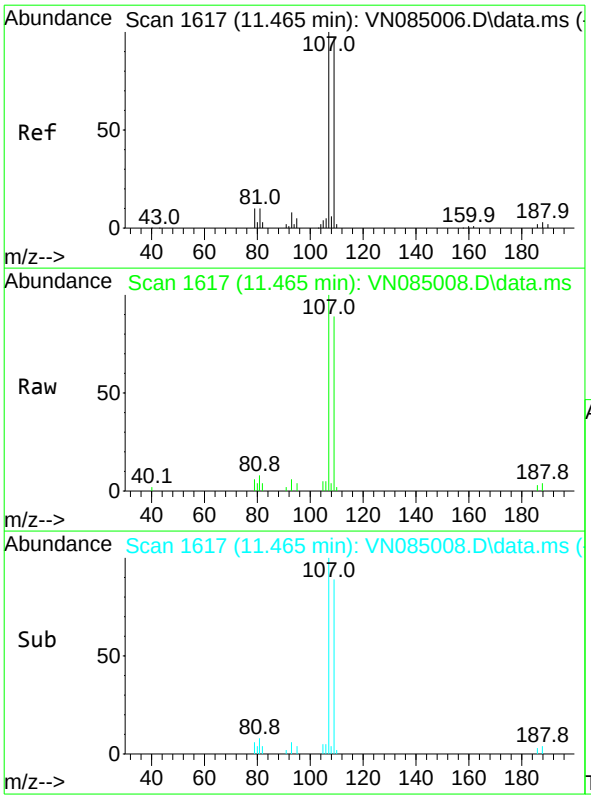


#60
Dibromochloromethane
Concen: 8.991 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:129 Resp: 19478

Ion	Ratio	Lower	Upper
129	100		
127	80.8	39.2	117.6





#61
1,2-Dibromoethane
Concen: 9.633 ug/l
RT: 11.465 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:107 Resp: 17673

Ion	Ratio	Lower	Upper
107	100		
109	89.8	76.1	114.1

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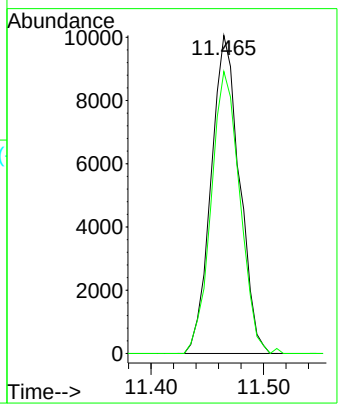
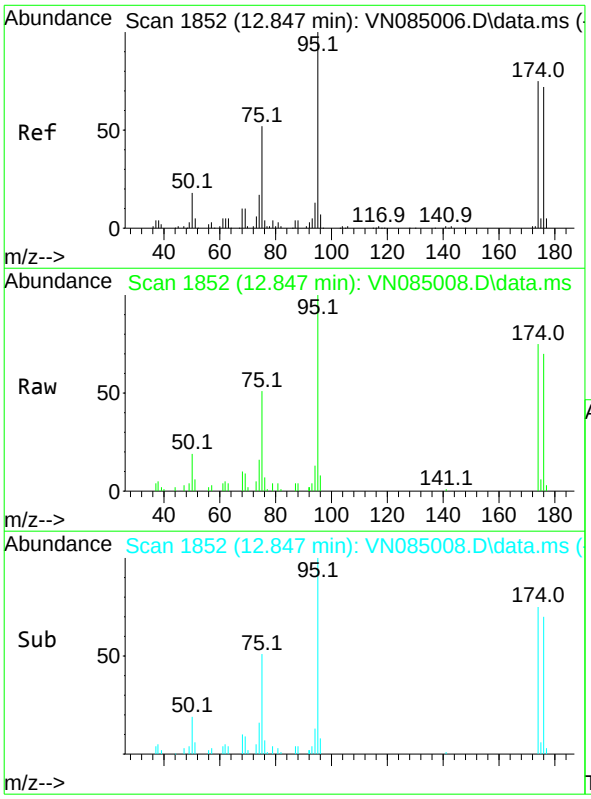
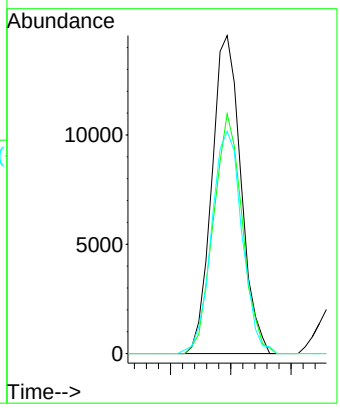


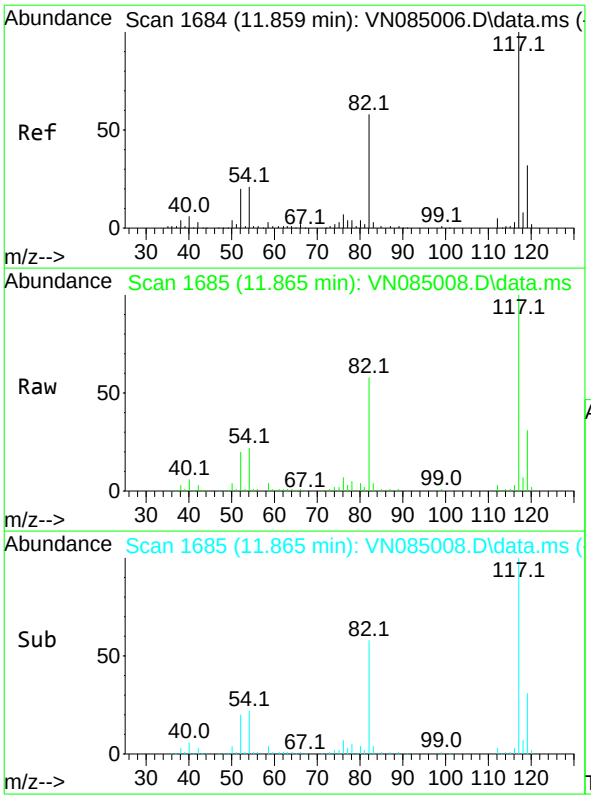


#62
4-Bromofluorobenzene
Concen: 9.691 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 95 Resp: 24371

Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	146.6
176	73.3	0.0	141.8

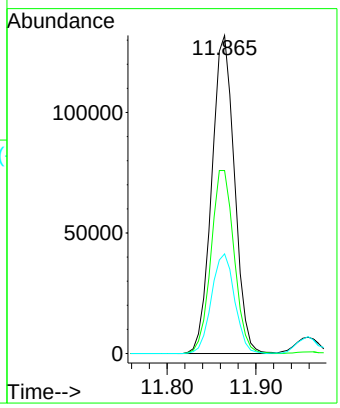




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:117 Resp: 234609

Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.0	69.0
119	31.3	25.6	38.4



Instrument :
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ClientSampleId :
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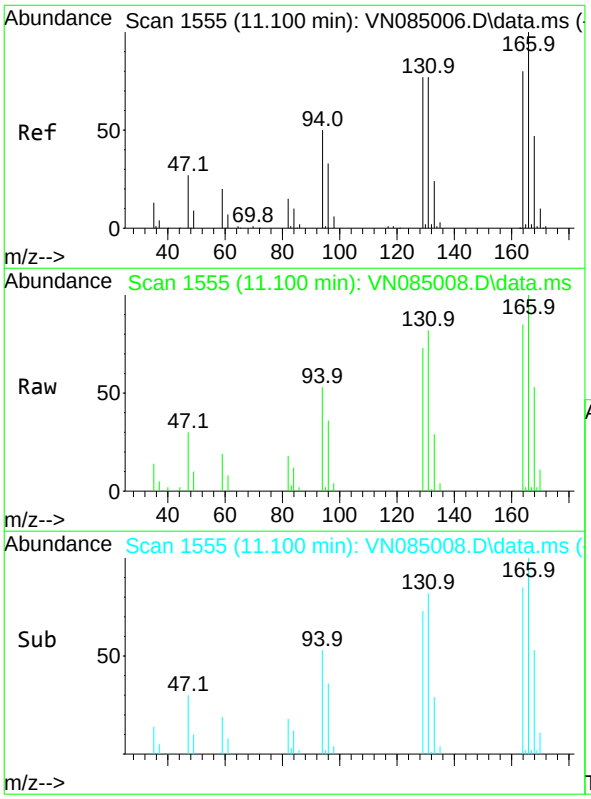
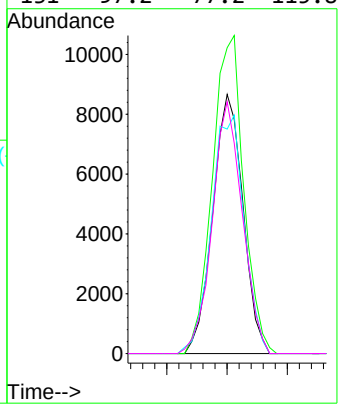
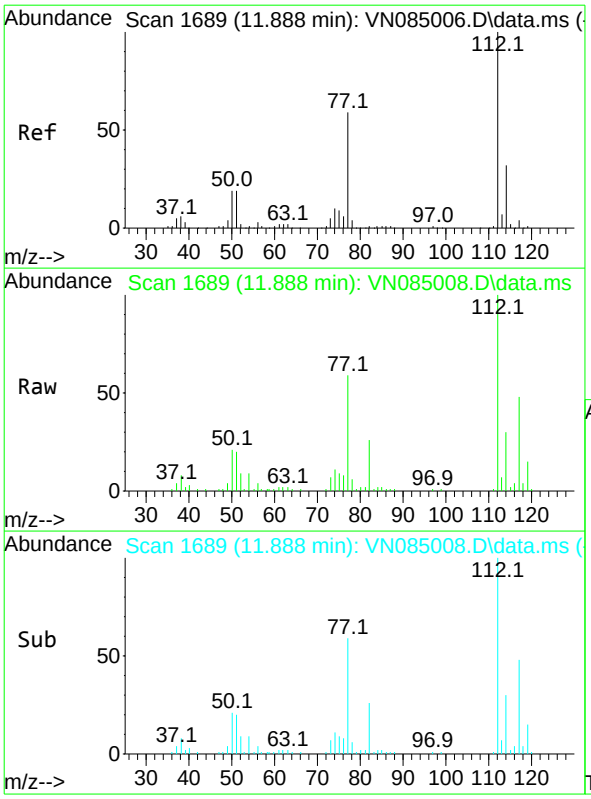


#64
Tetrachloroethene
Concen: 9.547 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:164 Resp: 15092

Ion	Ratio	Lower	Upper
164	100		
166	118.1	100.6	151.0
129	86.6	77.7	116.5
131	97.2	77.2	115.8

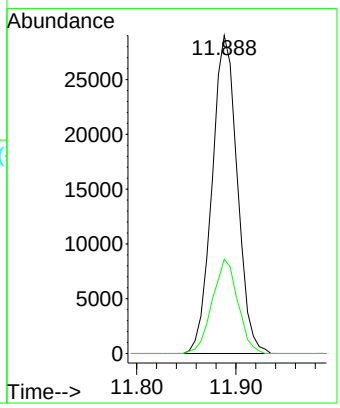




#65
Chlorobenzene
Concen: 9.605 ug/l
RT: 11.888 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:112 Resp: 51106

Ion	Ratio	Lower	Upper
112	100		
114	29.6	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
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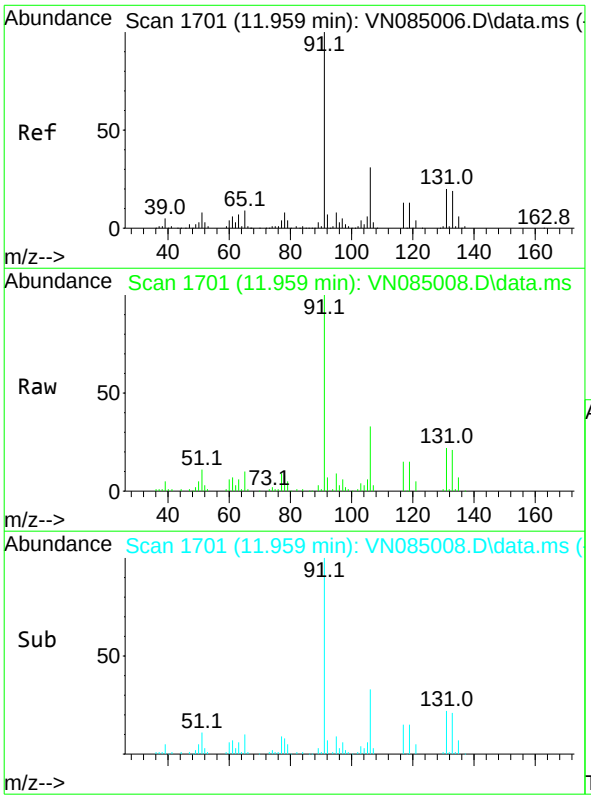
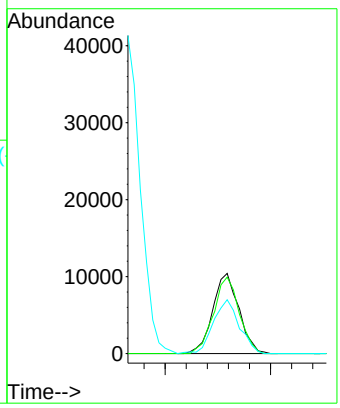
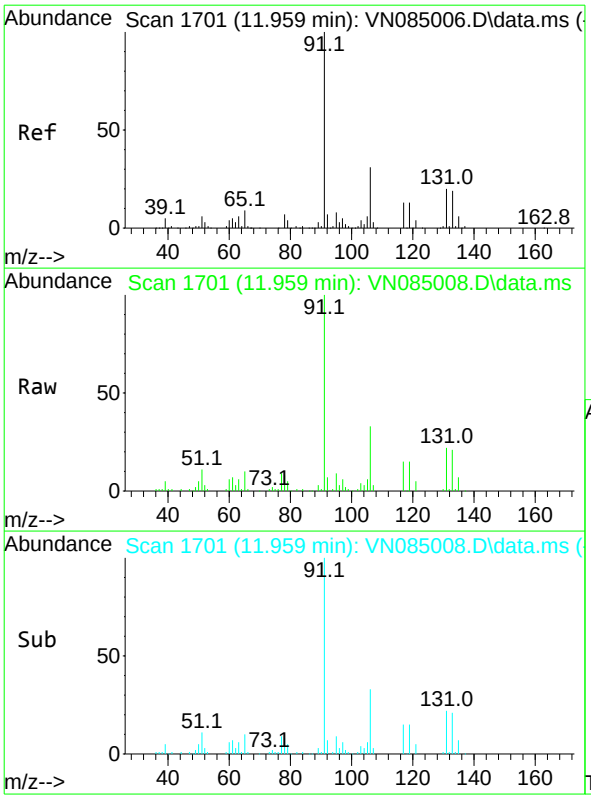


#66
1,1,1,2-Tetrachloroethane
Concen: 9.590 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:131 Resp: 17966

Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.8	143.4
119	66.8	32.1	96.3

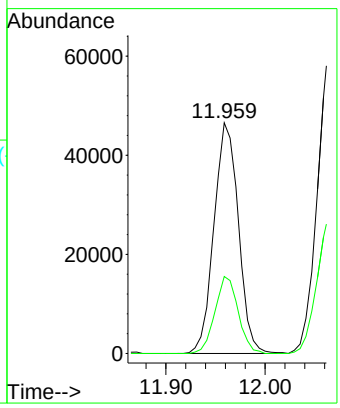




#67
Ethyl Benzene
Concen: 9.229 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 91 Resp: 79668

Ion	Ratio	Lower	Upper
91	100		
106	33.4	24.7	37.1



Instrument :
MSVOA_N
ClientSampleId :
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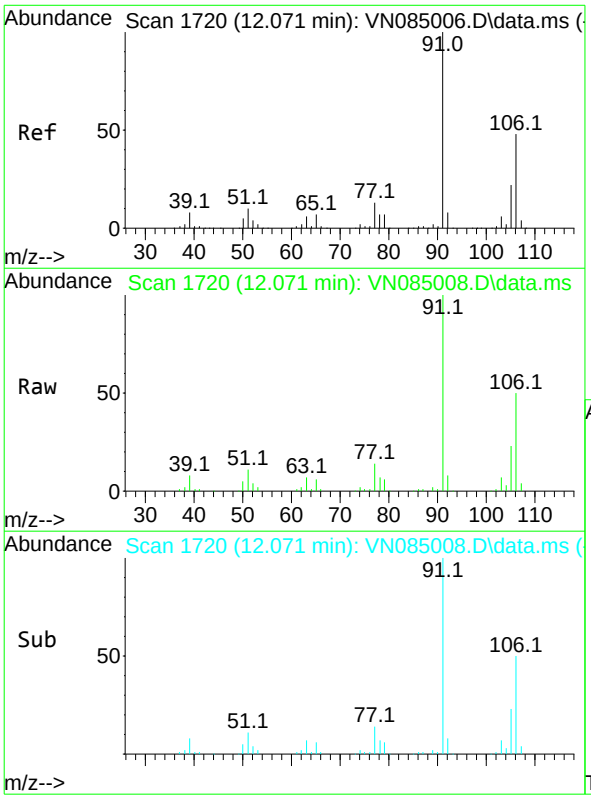
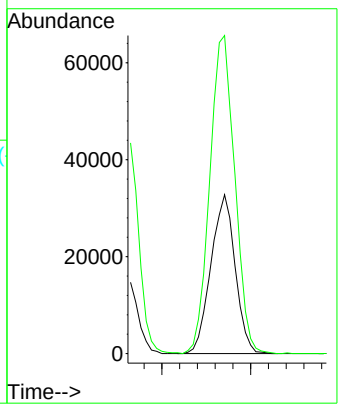
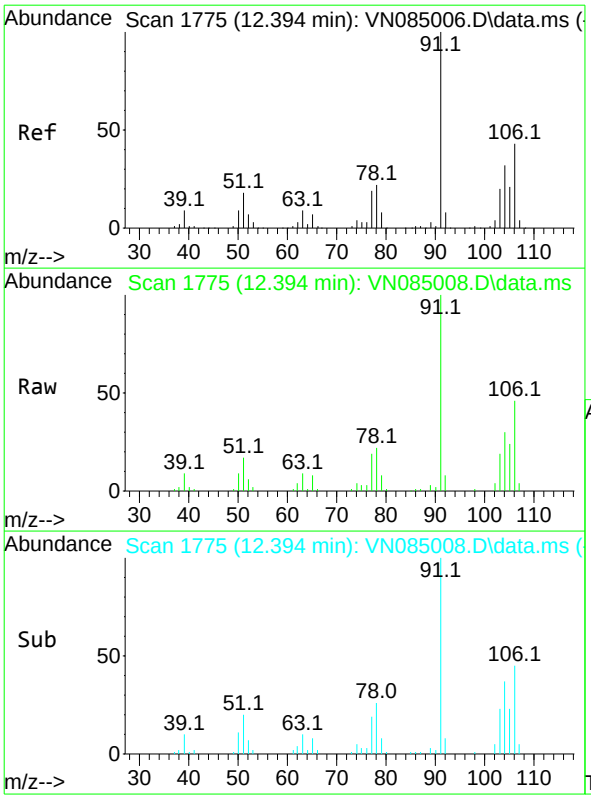


#68
m/p-Xylenes
Concen: 18.925 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:106 Resp: 62195

Ion	Ratio	Lower	Upper
106	100		
91	206.1	168.0	252.0

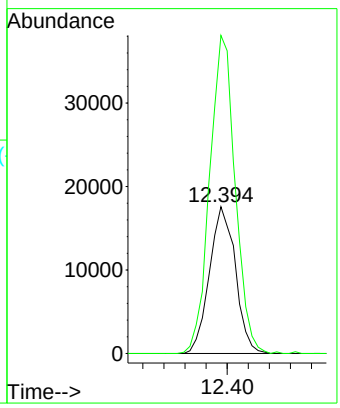




#69
o-Xylene
Concen: 9.618 ug/l
RT: 12.394 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:106 Resp: 30067

Ion	Ratio	Lower	Upper
106	100		
91	212.5	110.7	331.9



Instrument :
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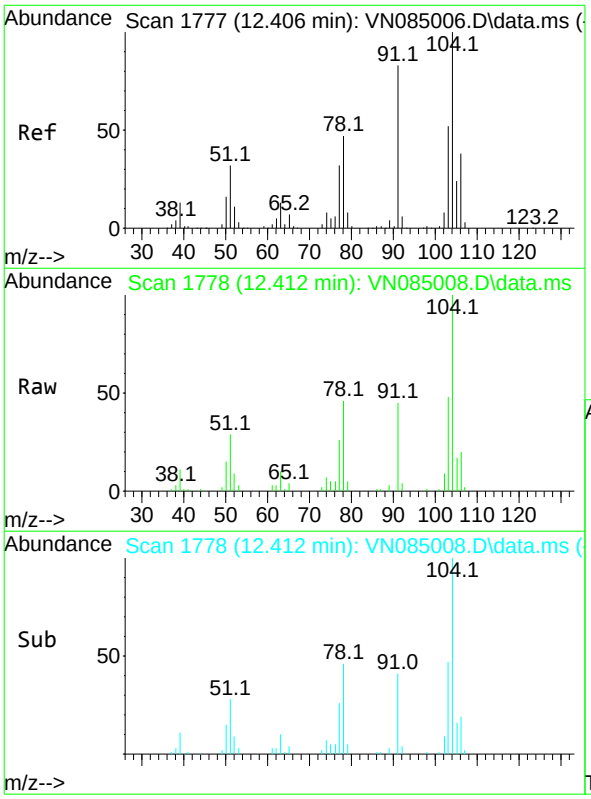
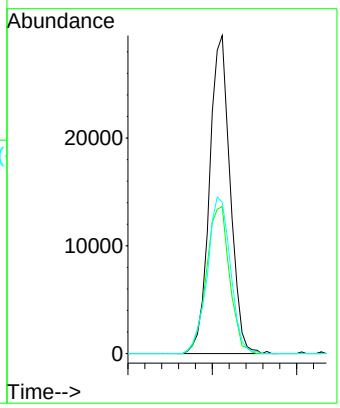
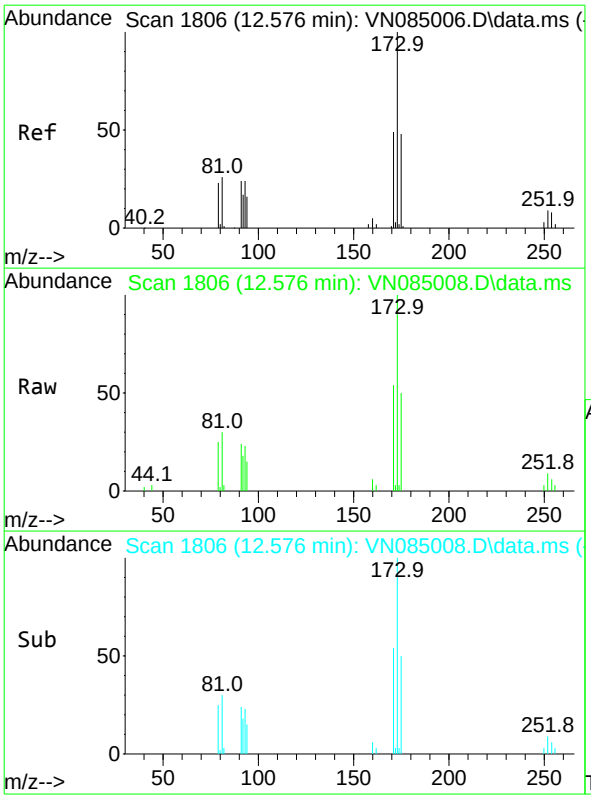


#70
Styrene
Concen: 9.647 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:104 Resp: 50150

Ion	Ratio	Lower	Upper
104	100		
78	51.8	42.3	63.5
103	55.3	44.2	66.2

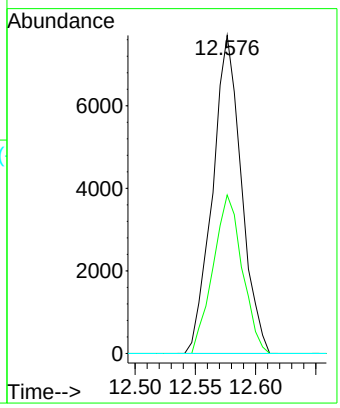




#71
Bromoform
Concen: 9.228 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:173 Resp: 12832

Ion	Ratio	Lower	Upper
173	100		
175	50.4	23.8	71.2
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
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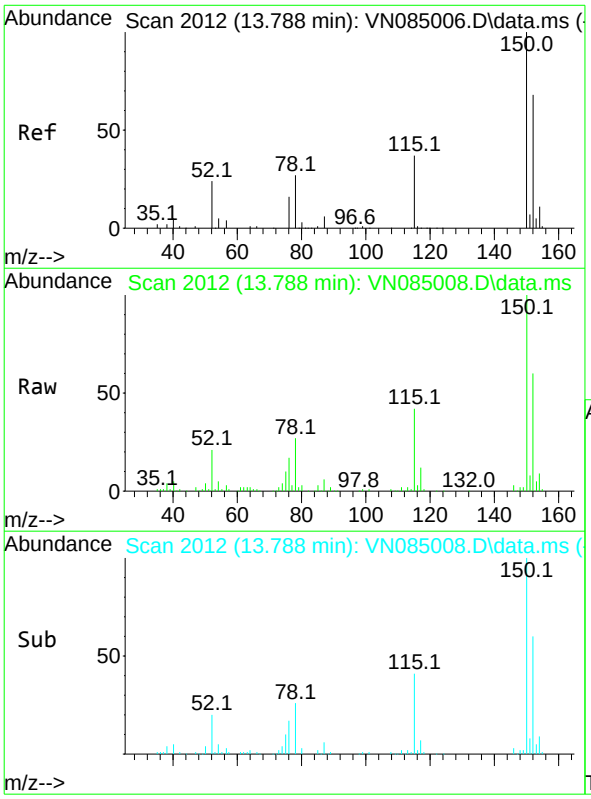
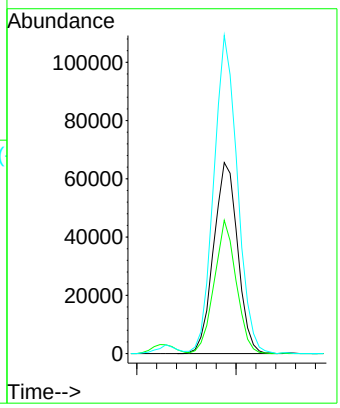
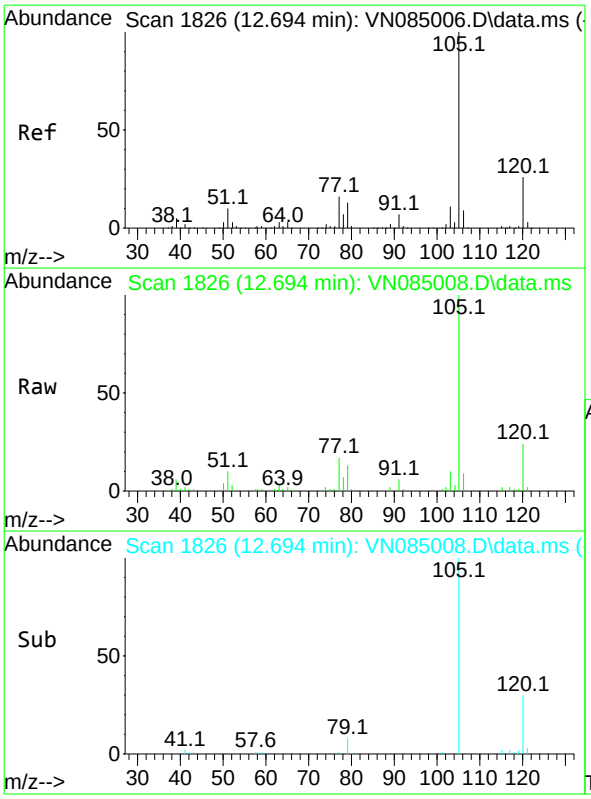


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:152 Resp: 110358

Ion	Ratio	Lower	Upper
152	100		
115	63.9	31.7	95.1
150	163.9	0.0	351.4

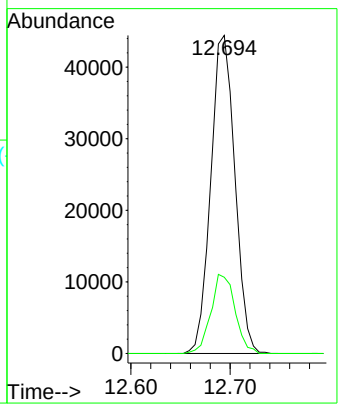




#73
Isopropylbenzene
Concen: 9.644 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:105 Resp: 75080

Ion	Ratio	Lower	Upper
105	100		
120	24.9	13.0	39.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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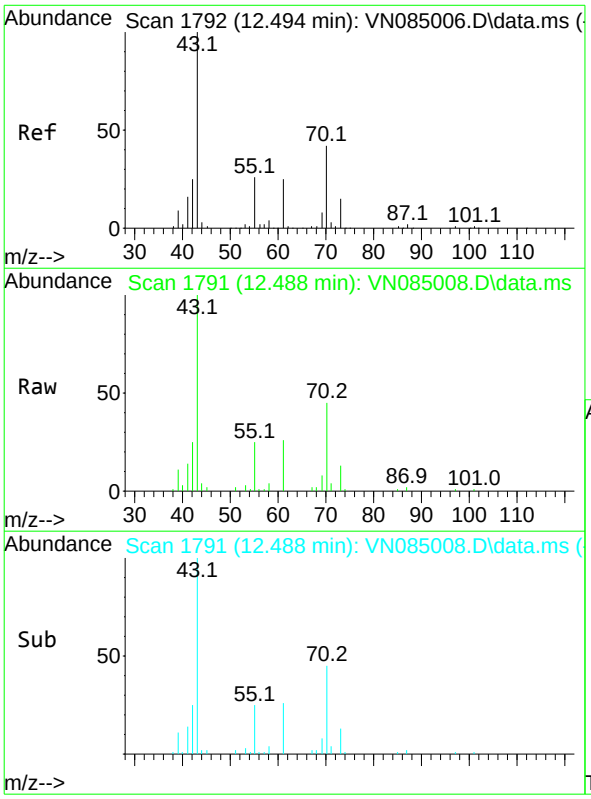
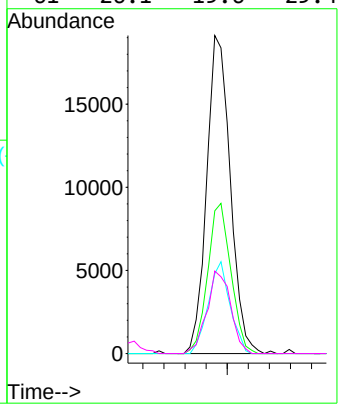
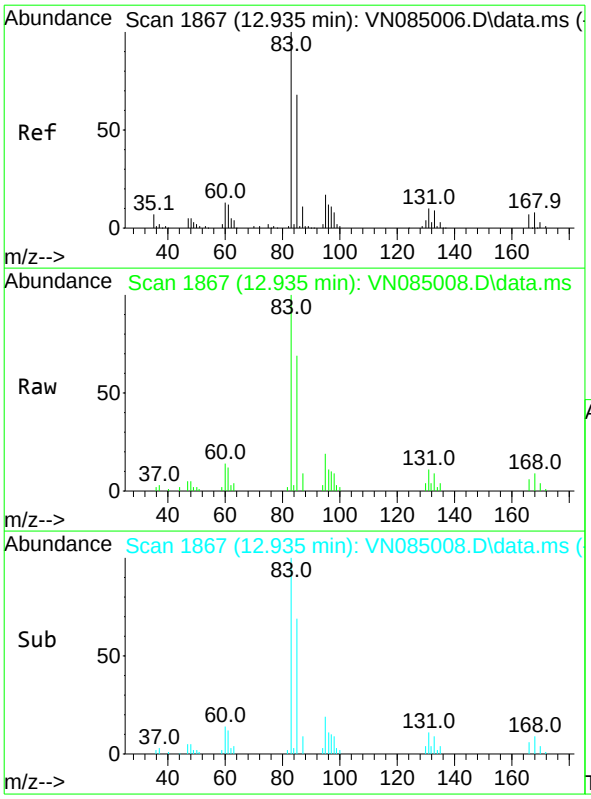


#74
N-amyl acetate
Concen: 9.292 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 43 Resp: 29811

Ion	Ratio	Lower	Upper
43	100		
70	46.4	34.6	51.8
55	26.6	20.5	30.7
61	26.1	19.6	29.4

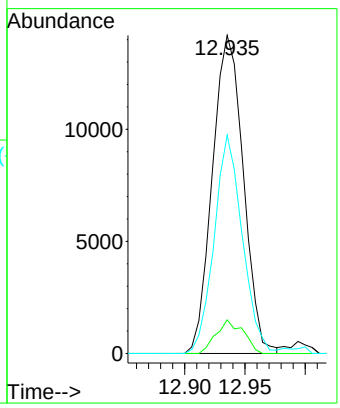




#75
1,1,2,2-Tetrachloroethane
Concen: 9.532 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 83 Resp: 25341

Ion	Ratio	Lower	Upper
83	100		
131	9.2	5.1	15.4
85	62.6	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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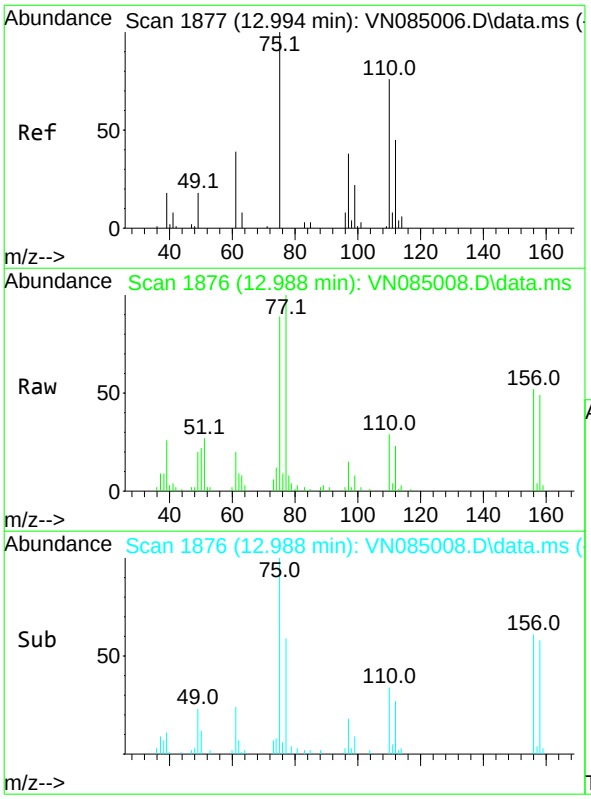
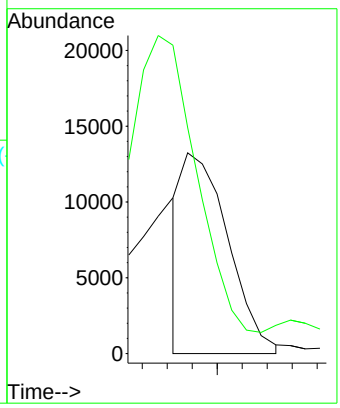
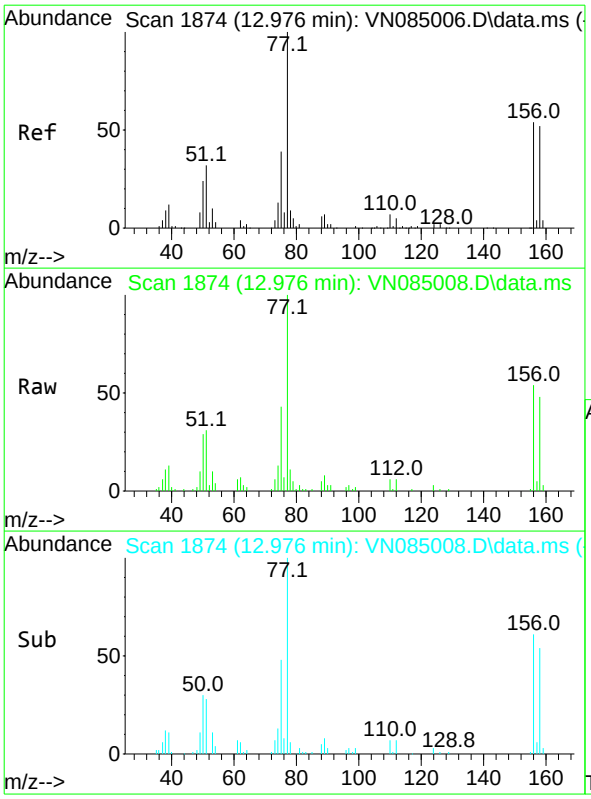


#76
1,2,3-Trichloropropane
Concen: 8.206 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 75 Resp: 16940

Ion	Ratio	Lower	Upper
75	100		
77	251.7	109.1	327.4

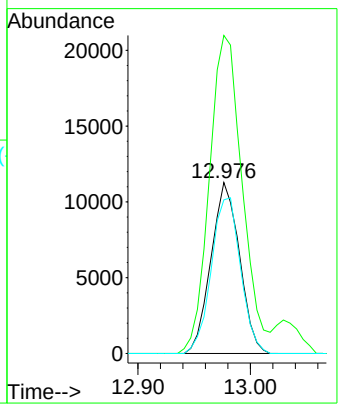




#77
Bromobenzene
Concen: 9.500 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:156 Resp: 19904

Ion	Ratio	Lower	Upper
156	100		
77	214.3	107.2	321.6
158	93.5	48.5	145.6



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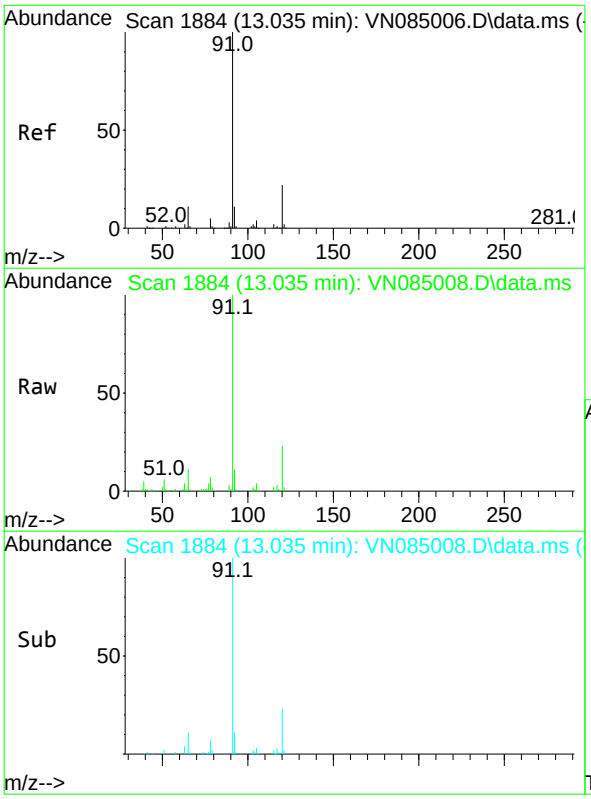
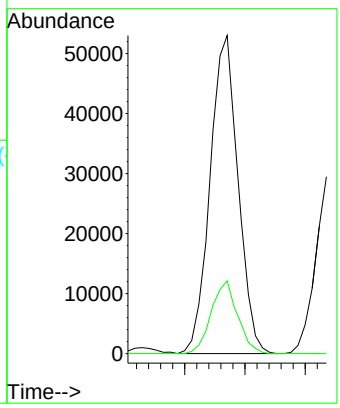
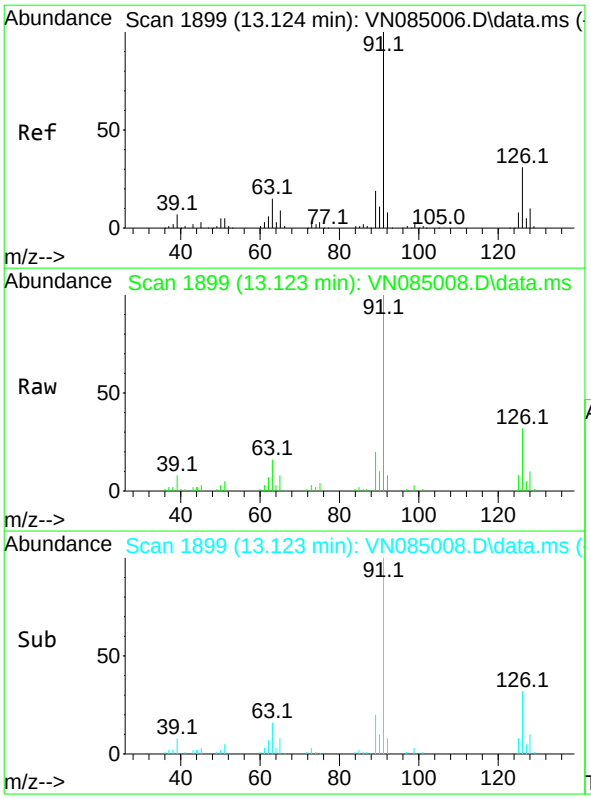


#78
n-propylbenzene
Concen: 9.537 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 91 Resp: 85642

Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.3	33.9

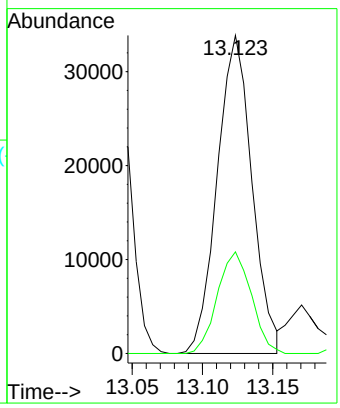




#79
2-Chlorotoluene
Concen: 9.715 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 91 Resp: 58233

Ion	Ratio	Lower	Upper
91	100		
126	31.2	16.1	48.3



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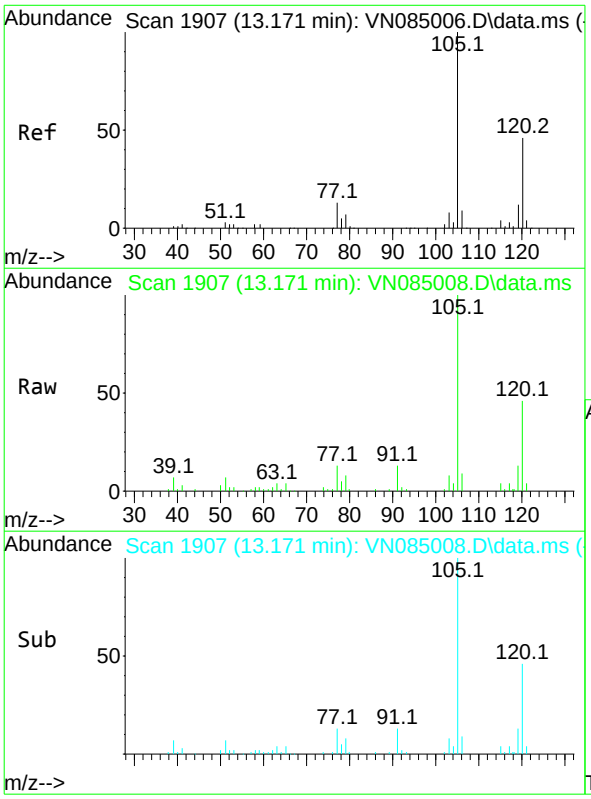
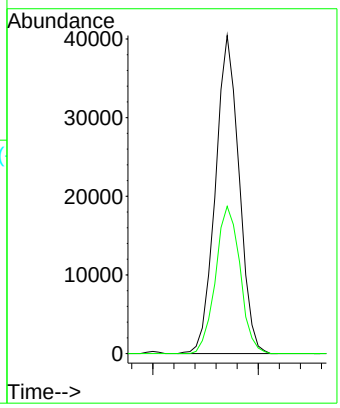
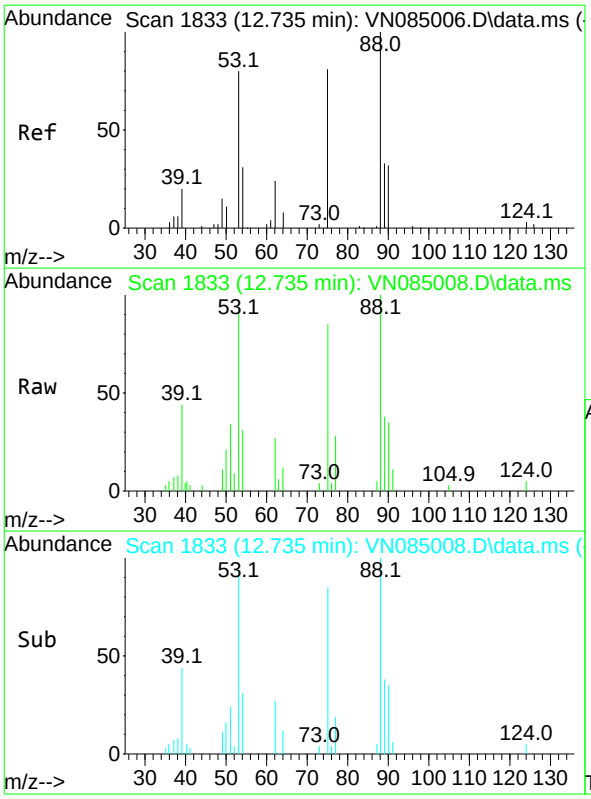


#80
1,3,5-Trimethylbenzene
Concen: 9.676 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:105 Resp: 63212

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.6	71.0

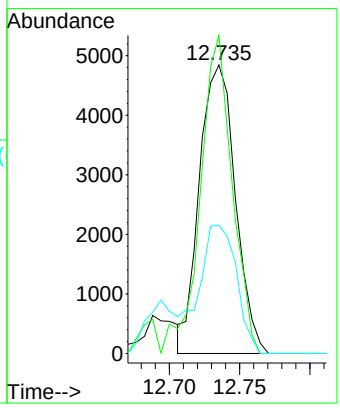




#81
trans-1,4-Dichloro-2-butene
Concen: 9.738 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 75 Resp: 8603

Ion	Ratio	Lower	Upper
75	100		
53	97.9	78.2	117.4
89	46.5	37.9	56.9



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ClientSampleId :
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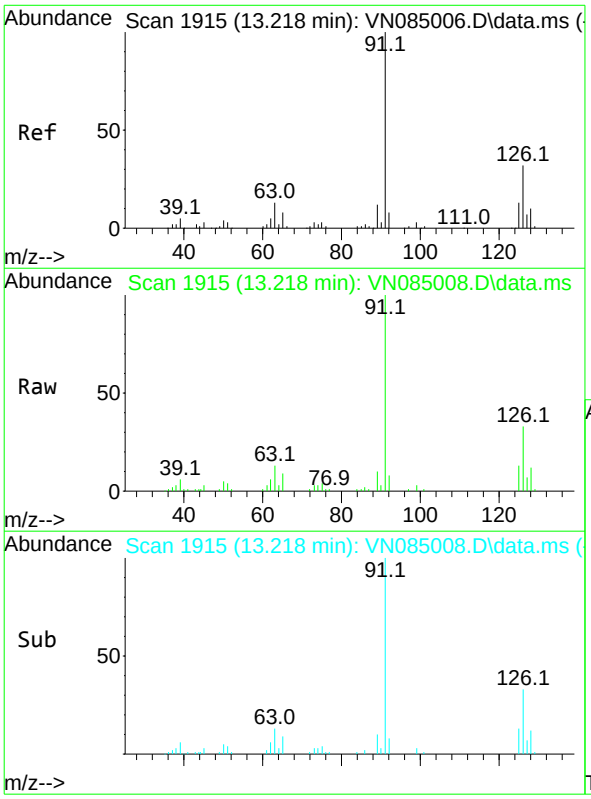
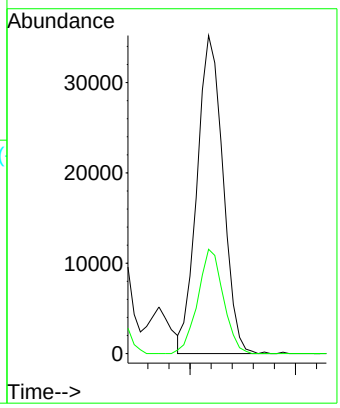
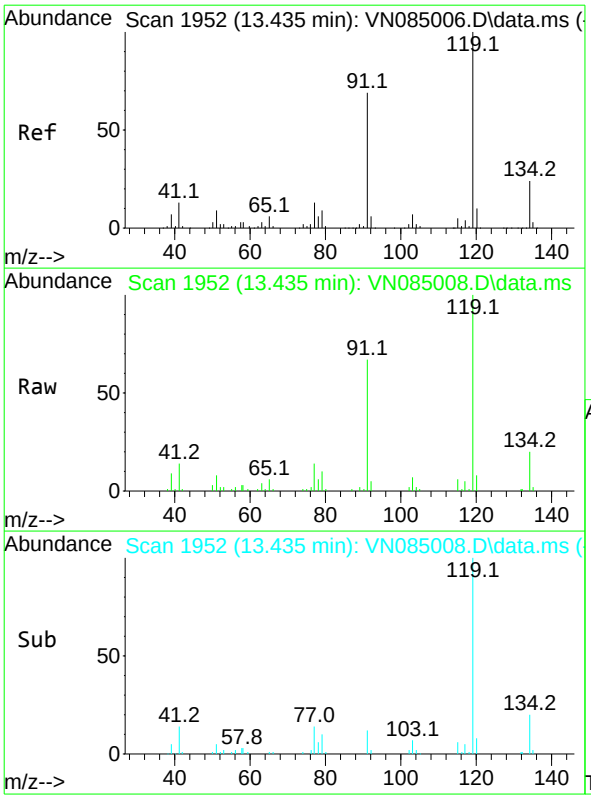


#82
4-Chlorotoluene
Concen: 9.640 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 91 Resp: 60156

Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.1	48.3

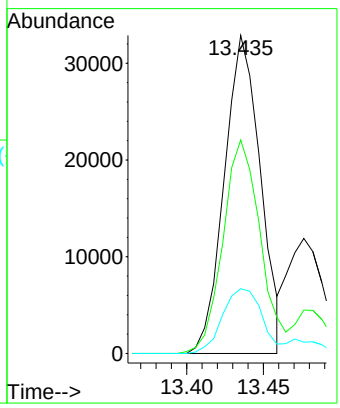




#83
tert-Butylbenzene
Concen: 9.566 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:119 Resp: 53773

Ion	Ratio	Lower	Upper
119	100		
91	69.7	35.1	105.5
134	22.7	12.1	36.3



Instrument :
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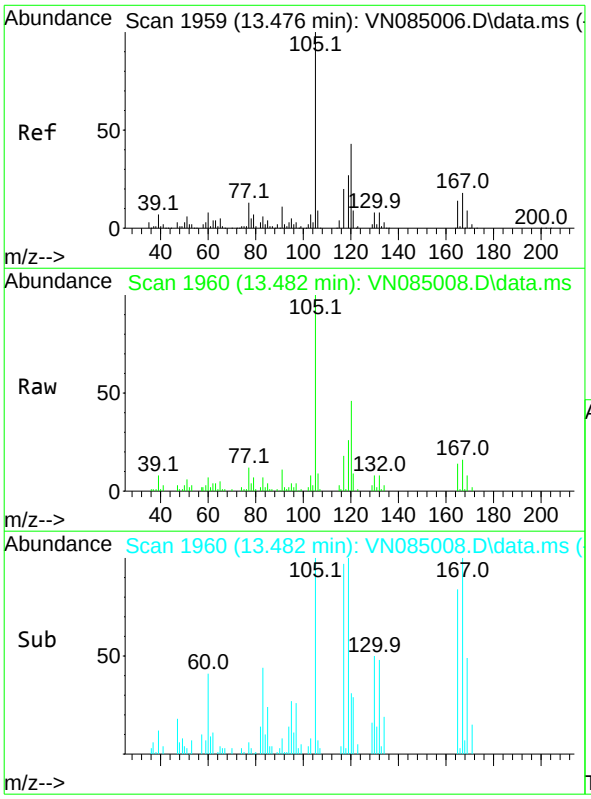
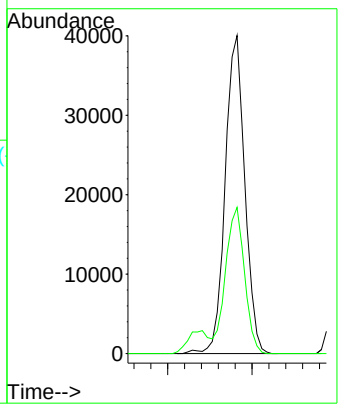
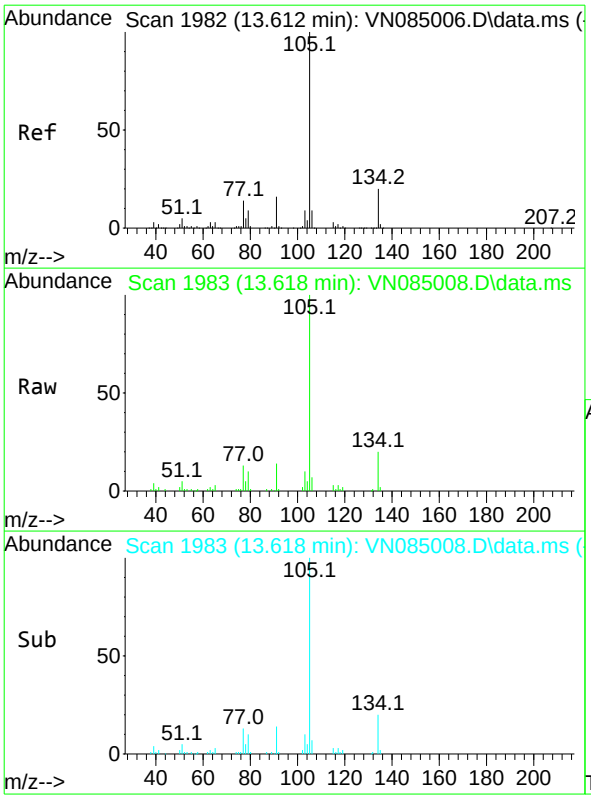


#84
1,2,4-Trimethylbenzene
Concen: 9.607 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:105 Resp: 64606

Ion	Ratio	Lower	Upper
105	100		
120	44.5	21.8	65.4

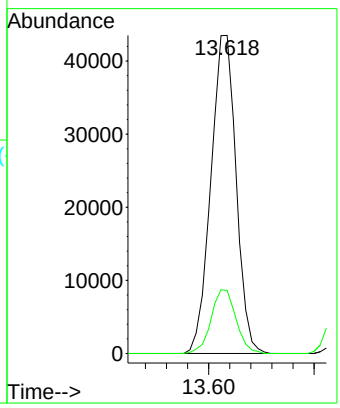




#85
sec-Butylbenzene
Concen: 9.535 ug/l
RT: 13.618 min Scan# 19
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:105 Resp: 72405

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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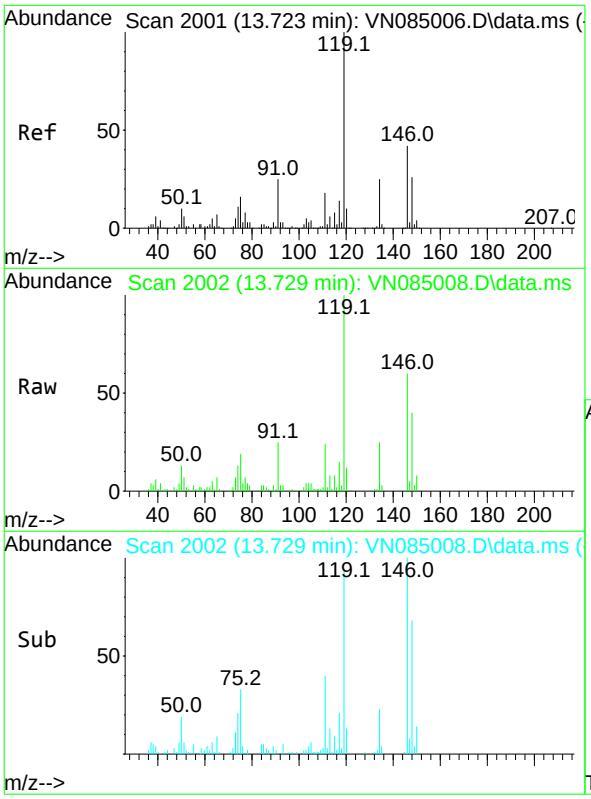
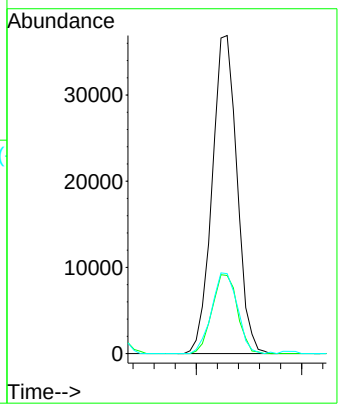
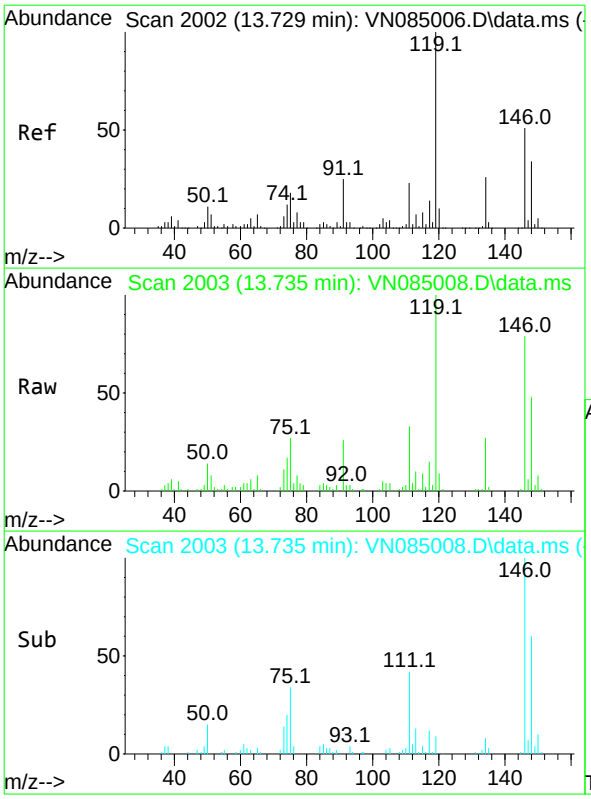


#86
p-Isopropyltoluene
Concen: 9.647 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:119 Resp: 60467

Ion	Ratio	Lower	Upper
119	100		
134	25.2	13.0	39.0
91	26.2	12.8	38.4

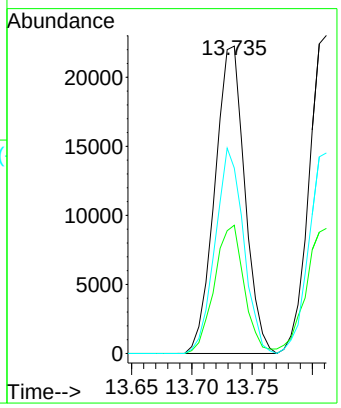




#87
1,3-Dichlorobenzene
Concen: 9.317 ug/l
RT: 13.735 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:146 Resp: 38501

Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.6	65.0
148	63.3	32.2	96.6



Instrument :
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ClientSampleId :
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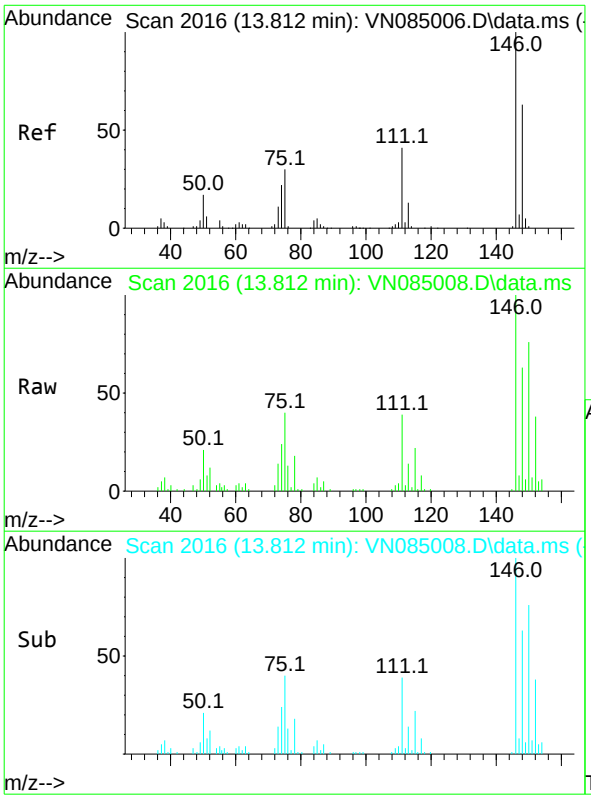
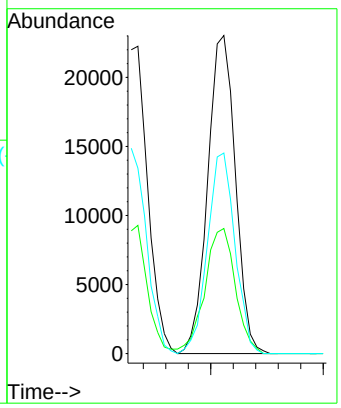
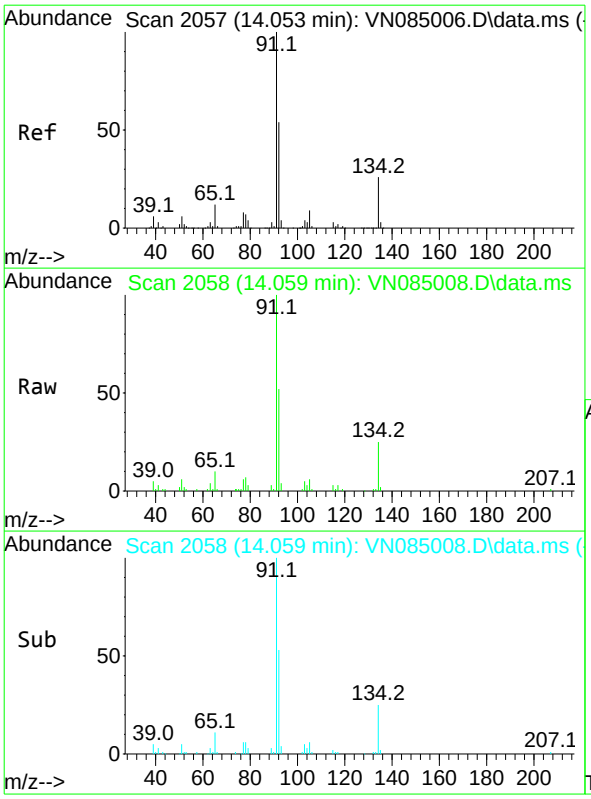


#88
1,4-Dichlorobenzene
Concen: 9.360 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:146 Resp: 39471

Ion	Ratio	Lower	Upper
146	100		
111	43.5	20.9	62.8
148	62.7	31.3	93.9

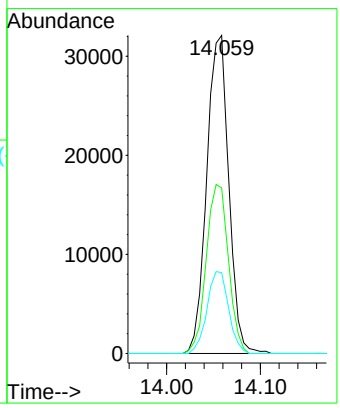




#89
n-Butylbenzene
Concen: 8.994 ug/l
RT: 14.059 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 91 Resp: 52430

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.8	80.3
134	25.3	12.8	38.4



Instrument :
MSVOA_N
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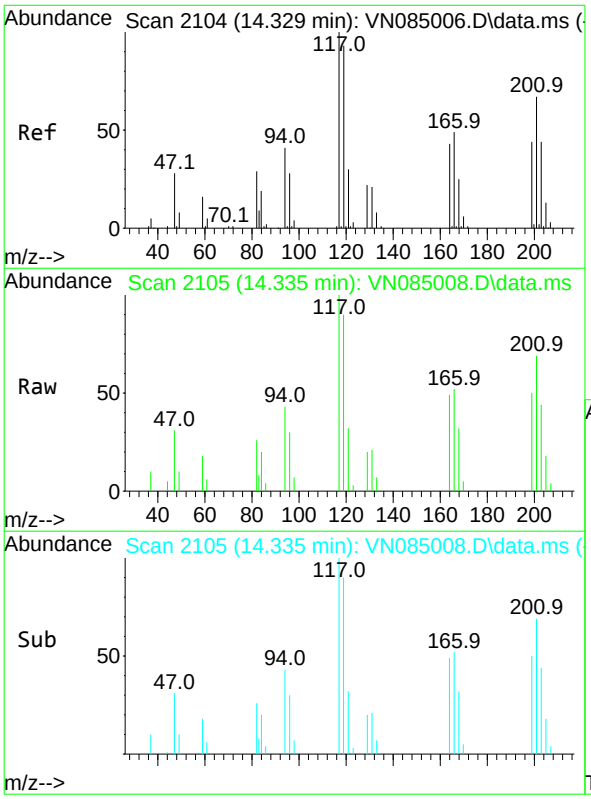
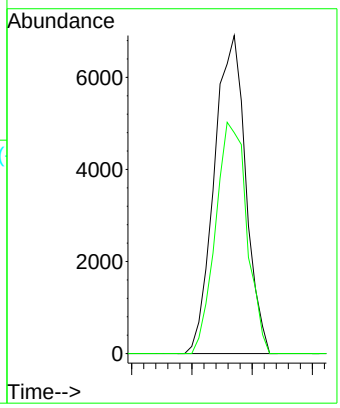
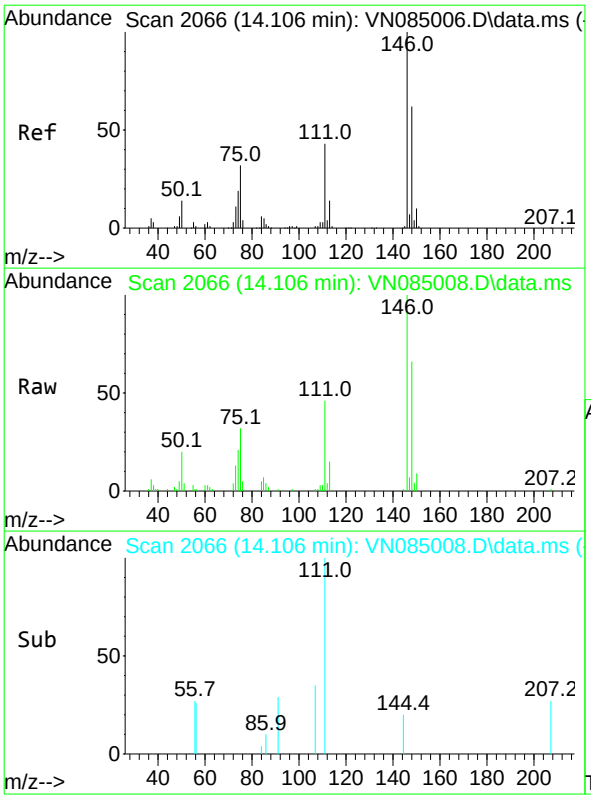


#90
Hexachloroethane
Concen: 9.179 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:117 Resp: 12541

Ion	Ratio	Lower	Upper
117	100		
201	72.3	35.2	105.6

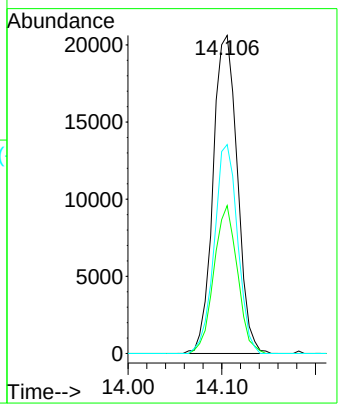




#91
1,2-Dichlorobenzene
Concen: 9.390 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:146 Resp: 37183

Ion	Ratio	Lower	Upper
146	100		
111	45.1	21.9	65.8
148	63.1	31.1	93.2



Instrument :
MSVOA_N
ClientSampleId :
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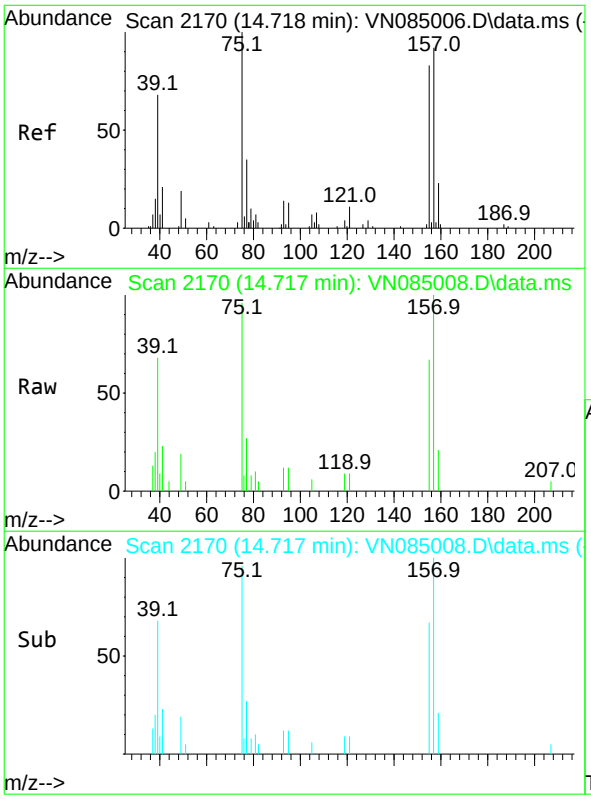
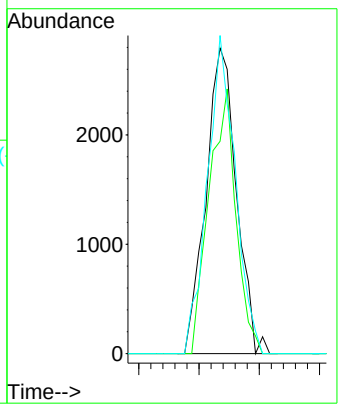
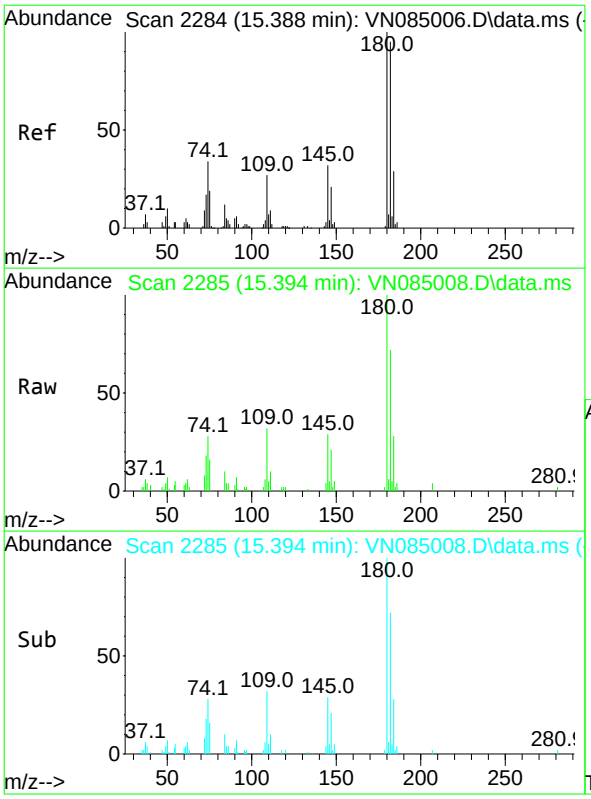


#92
1,2-Dibromo-3-Chloropropane
Concen: 9.565 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 75 Resp: 4917

Ion	Ratio	Lower	Upper
75	100		
155	76.6	38.9	116.7
157	95.3	48.3	144.9

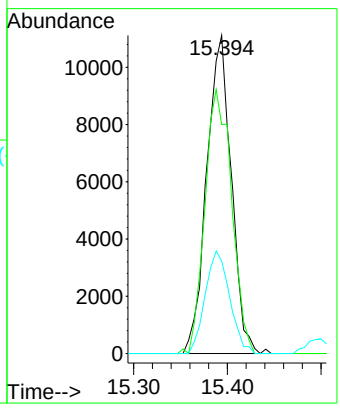




#93
1,2,4-Trichlorobenzene
Concen: 9.429 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:180 Resp: 20285

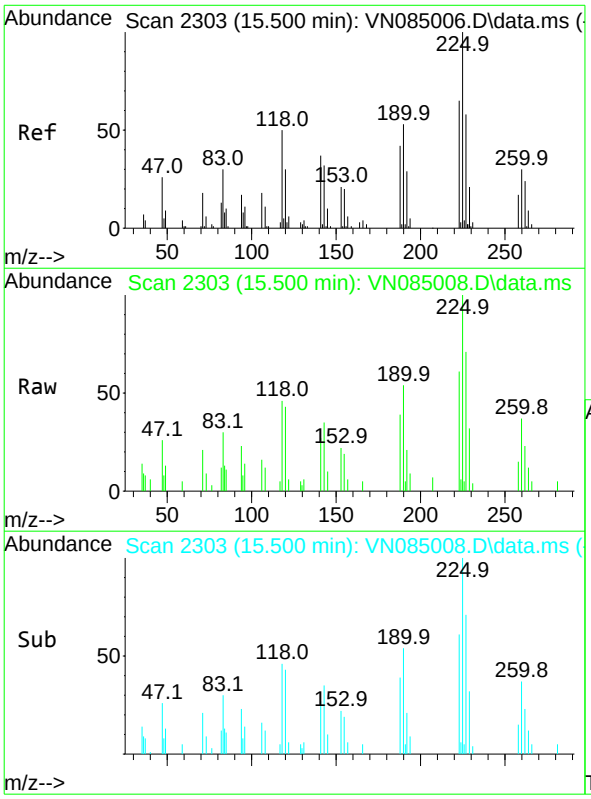
Ion	Ratio	Lower	Upper
180	100		
182	90.0	46.9	140.8
145	32.0	16.3	48.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

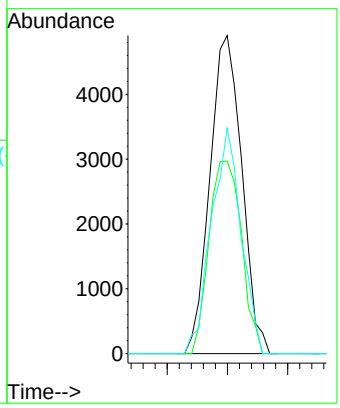
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

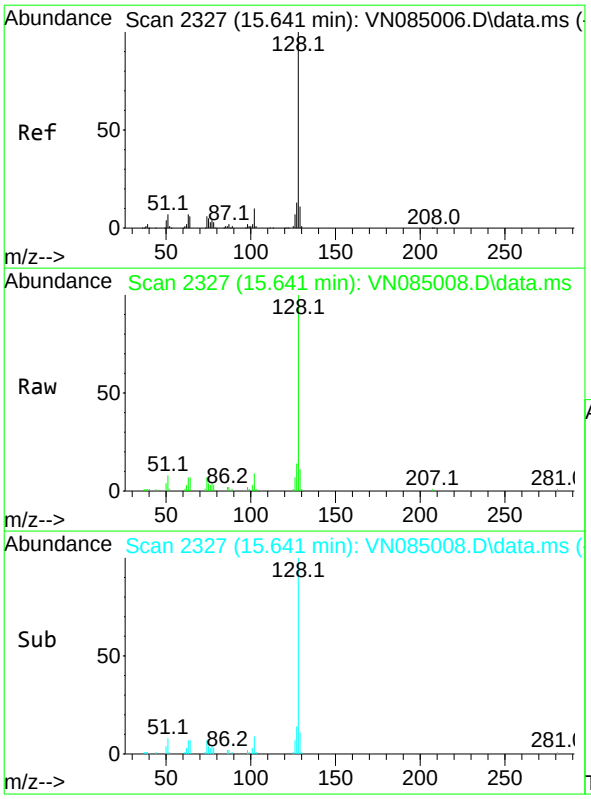


#94
Hexachlorobutadiene
Concen: 9.080 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:225 Resp: 9015

Ion	Ratio	Lower	Upper
225	100		
223	61.7	30.9	92.8
227	66.2	31.5	94.5

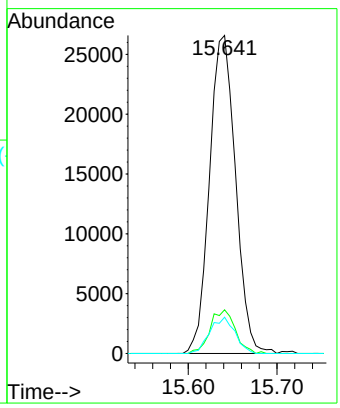




#95
Naphthalene
Concen: 8.844 ug/l
RT: 15.641 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:128 Resp: 54191

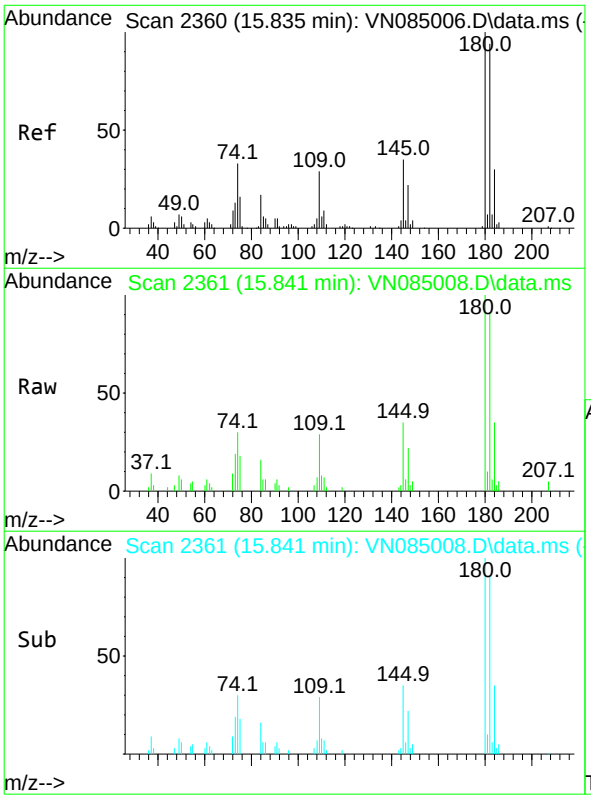
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	11.0	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

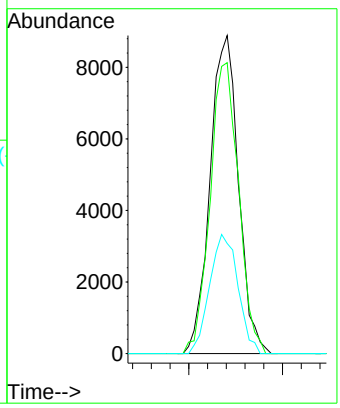
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#96
1,2,3-Trichlorobenzene
Concen: 9.132 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:180 Resp: 18745

Ion	Ratio	Lower	Upper
180	100		
182	91.9	46.4	139.2
145	37.3	17.3	52.0



ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085009.D
Acq On : 22 Nov 2024 12:57
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 23 02:01:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.218	168	165285	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.094	114	280025	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.864	117	235767	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	108389	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.571	65	11977	5.087	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.180%#			
35) Dibromofluoromethane	8.159	113	9597	5.082	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.160%#			
50) Toluene-d8	10.559	98	32318	4.775	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.560%#			
62) 4-Bromofluorobenzene	12.847	95	12715	5.024	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	10.040%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	9758	5.221	ug/l		91
3) Chloromethane	2.359	50	10967	5.059	ug/l		97
4) Vinyl Chloride	2.512	62	10043	5.155	ug/l		92
5) Bromomethane	2.900	94	6052	5.543	ug/l		98
6) Chloroethane	3.059	64	6721	5.119	ug/l		93
7) Trichlorofluoromethane	3.465	101	17204	5.192	ug/l		98
8) Diethyl Ether	3.947	74	5696	5.050	ug/l		95
9) 1,1,2-Trichlorotrifluo...	4.353	101	9518	5.064	ug/l		98
10) Methyl Iodide	4.577	142	12631	5.077	ug/l		96
11) Tert butyl alcohol	5.541	59	9684	30.780	ug/l	#	89
12) 1,1-Dichloroethene	4.318	96	8977	5.117	ug/l	#	92
13) Acrolein	4.177	56	4745	22.602	ug/l		95
14) Allyl chloride	5.006	41	14439	4.882	ug/l		97
15) Acrylonitrile	5.712	53	22627	25.403	ug/l		96
16) Acetone	4.430	43	16131	23.525	ug/l		93
17) Carbon Disulfide	4.694	76	26272	5.074	ug/l	#	87
18) Methyl Acetate	5.018	43	14139	5.429	ug/l		98
19) Methyl tert-butyl Ether	5.800	73	27679	4.829	ug/l		95
20) Methylene Chloride	5.271	84	10410	4.975	ug/l	#	88
21) trans-1,2-Dichloroethene	5.765	96	9388	5.085	ug/l		99
22) Diisopropyl ether	6.659	45	30018	5.043	ug/l		97
23) Vinyl Acetate	6.594	43	97507	23.745	ug/l		96
24) 1,1-Dichloroethane	6.559	63	18044	5.066	ug/l		97
25) 2-Butanone	7.482	43	27100	24.174	ug/l		98
26) 2,2-Dichloropropane	7.482	77	16525	4.968	ug/l		99
27) cis-1,2-Dichloroethene	7.482	96	11250	5.055	ug/l		96
28) Bromochloromethane	7.806	49	6592	4.903	ug/l	#	98
29) Tetrahydrofuran	7.841	42	17501	25.104	ug/l		99
30) Chloroform	7.959	83	18837	4.971	ug/l		91
31) Cyclohexane	8.247	56	18036	5.751	ug/l		97
32) 1,1,1-Trichloroethane	8.165	97	16611	4.851	ug/l		97
36) 1,1-Dichloropropene	8.371	75	13147	5.140	ug/l		98
37) Ethyl Acetate	7.553	43	11891	5.114	ug/l	#	79
38) Carbon Tetrachloride	8.359	117	14827	5.022	ug/l		96
39) Methylcyclohexane	9.594	83	13143	4.945	ug/l		95
40) Benzene	8.600	78	40657	5.026	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085009.D
Acq On : 22 Nov 2024 12:57
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 23 02:01:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.782	41	5687	4.417	ug/l		93
42) 1,2-Dichloroethane	8.671	62	14824	5.356	ug/l		99
43) Isopropyl Acetate	8.688	43	23894	4.947	ug/l		95
44) Trichloroethene	9.347	130	9711	5.165	ug/l		100
45) 1,2-Dichloropropane	9.618	63	9859	4.948	ug/l		99
46) Dibromomethane	9.706	93	6962	5.028	ug/l		98
47) Bromodichloromethane	9.888	83	14562	4.962	ug/l	#	96
48) Methyl methacrylate	9.676	41	8840	4.918	ug/l		94
49) 1,4-Dioxane	9.694	88	2953	94.738	ug/l	#	83
51) 4-Methyl-2-Pentanone	10.441	43	55176	25.010	ug/l		100
52) Toluene	10.629	92	24051	5.022	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	13412	4.559	ug/l		91
54) cis-1,3-Dichloropropene	10.312	75	14917	4.779	ug/l		95
55) 1,1,2-Trichloroethane	11.017	97	8791	4.928	ug/l		96
56) Ethyl methacrylate	10.876	69	12004	4.605	ug/l		93
57) 1,3-Dichloropropane	11.159	76	15736	5.012	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	27177	21.254	ug/l		100
59) 2-Hexanone	11.194	43	41641	25.237	ug/l		95
60) Dibromochloromethane	11.359	129	10844	4.974	ug/l		98
61) 1,2-Dibromoethane	11.465	107	9468	5.128	ug/l		96
64) Tetrachloroethene	11.100	164	8826	5.556	ug/l		89
65) Chlorobenzene	11.888	112	26717	4.997	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	9904	5.261	ug/l		96
67) Ethyl Benzene	11.959	91	42642	4.916	ug/l		96
68) m/p-Xylenes	12.070	106	31421	9.514	ug/l		99
69) o-Xylene	12.400	106	14935	4.754	ug/l		98
70) Styrene	12.412	104	24480	4.686	ug/l		99
71) Bromoform	12.576	173	7040	5.038	ug/l	#	100
73) Isopropylbenzene	12.694	105	37544	4.910	ug/l		97
74) N-amyl acetate	12.494	43	14995	4.759	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.941	83	13341	5.109	ug/l		98
76) 1,2,3-Trichloropropane	12.988	75	8907m	4.393	ug/l		
77) Bromobenzene	12.976	156	10485	5.095	ug/l		94
78) n-propylbenzene	13.035	91	43493	4.931	ug/l		99
79) 2-Chlorotoluene	13.123	91	29037	4.932	ug/l		97
80) 1,3,5-Trimethylbenzene	13.170	105	30809	4.802	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.735	75	4774	5.502	ug/l	#	88
82) 4-Chlorotoluene	13.217	91	30558	4.986	ug/l		97
83) tert-Butylbenzene	13.435	119	26485	4.797	ug/l		99
84) 1,2,4-Trimethylbenzene	13.476	105	31328	4.743	ug/l		98
85) sec-Butylbenzene	13.611	105	35183	4.718	ug/l		99
86) p-Isopropyltoluene	13.729	119	28019	4.551	ug/l		98
87) 1,3-Dichlorobenzene	13.735	146	21043	5.185	ug/l		96
88) 1,4-Dichlorobenzene	13.806	146	22041	5.322	ug/l		93
89) n-Butylbenzene	14.053	91	27093	4.732	ug/l		99
90) Hexachloroethane	14.329	117	6869	5.119	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	19670	5.058	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.711	75	2703	5.353	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	10547	4.992	ug/l		98
94) Hexachlorobutadiene	15.494	225	5141	5.272	ug/l		96
95) Naphthalene	15.641	128	29077	4.832	ug/l		97
96) 1,2,3-Trichlorobenzene	15.835	180	10042	4.981	ug/l		94

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085009.D
Acq On : 22 Nov 2024 12:57
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 02:01:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

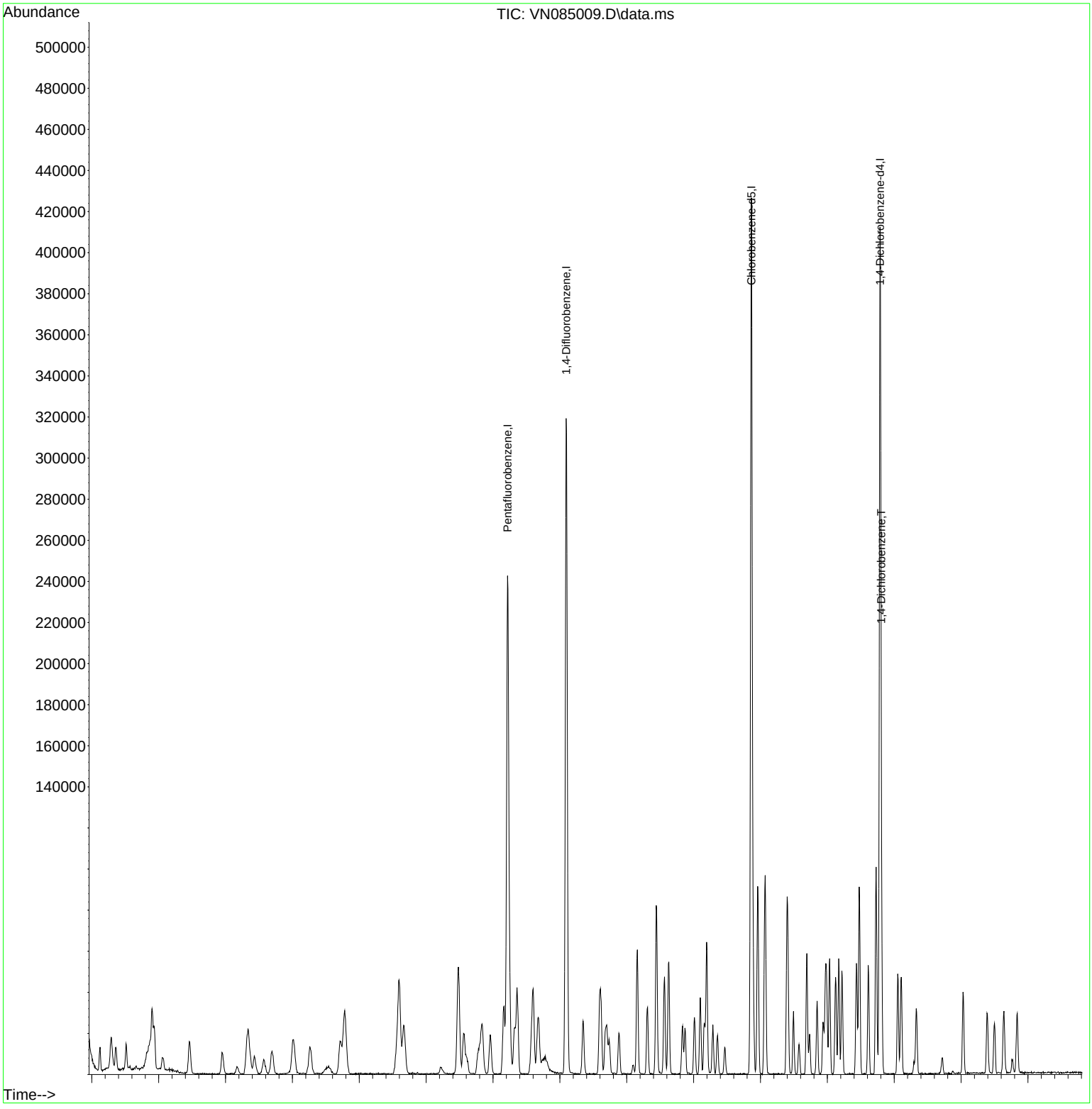
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085009.D
Acq On : 22 Nov 2024 12:57
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

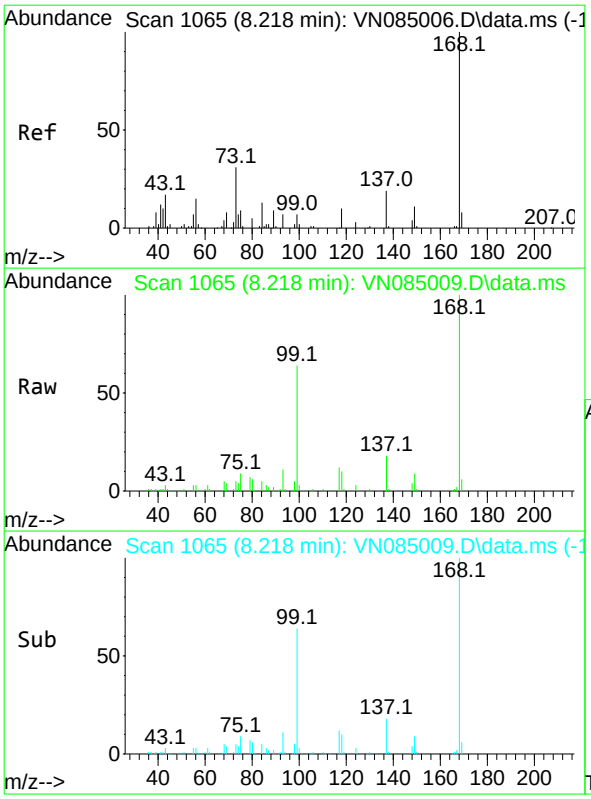
Quant Time: Nov 23 02:01:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

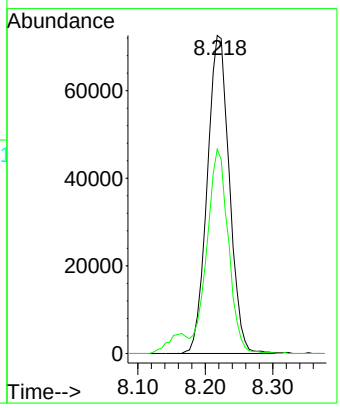




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:168 Resp: 165285

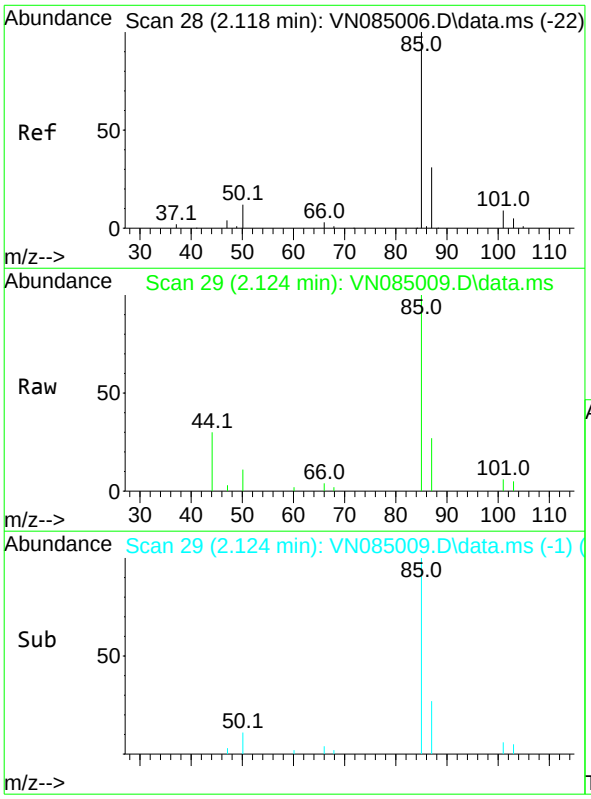
Ion	Ratio	Lower	Upper
168	100		
99	64.2	51.2	76.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

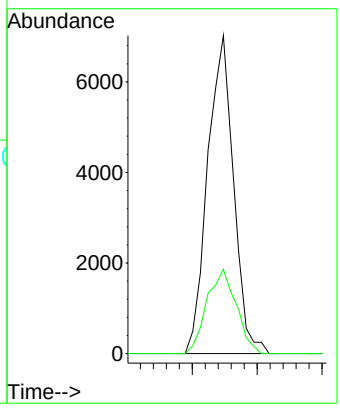
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

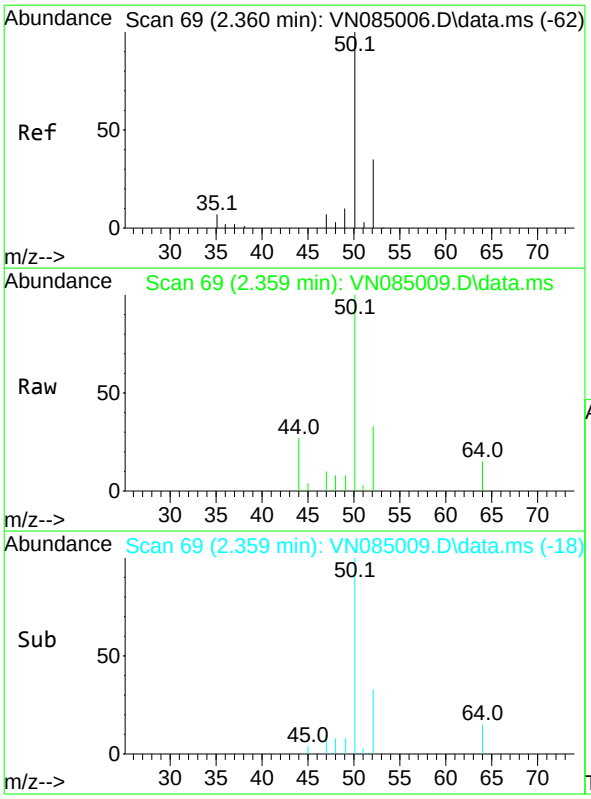


#2
Dichlorodifluoromethane
Concen: 5.221 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 85 Resp: 9758

Ion	Ratio	Lower	Upper
85	100		
87	26.5	15.7	47.1

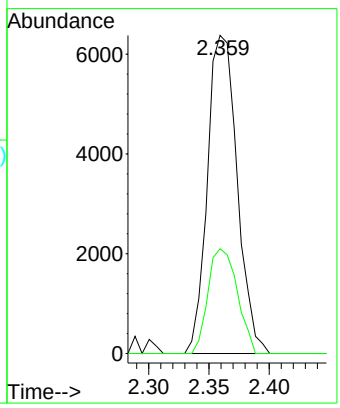




#3
Chloromethane
Concen: 5.059 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 50 Resp: 10967

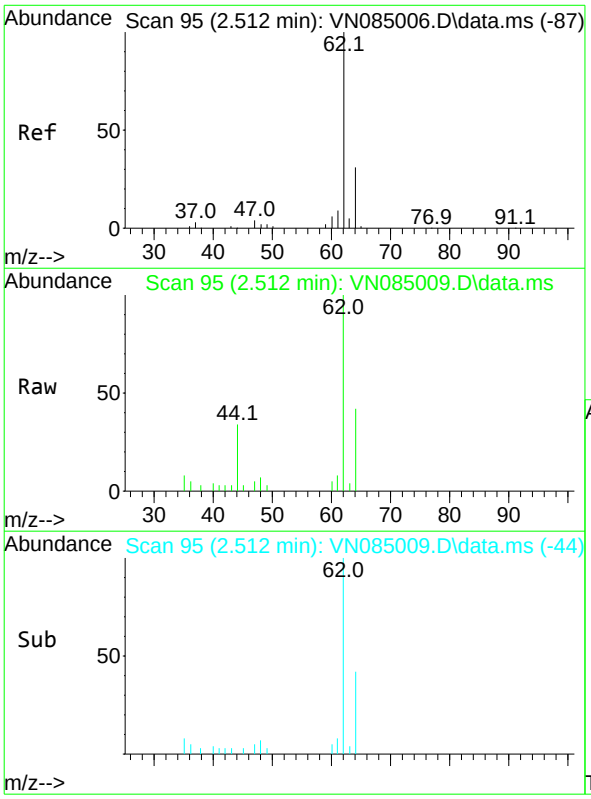
Ion	Ratio	Lower	Upper
50	100		
52	33.0	27.8	41.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

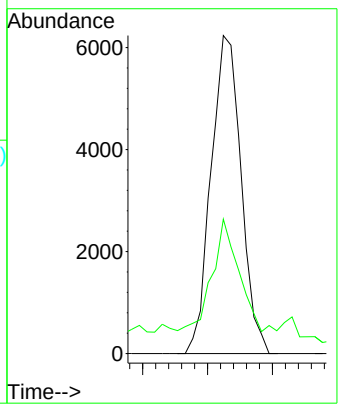
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

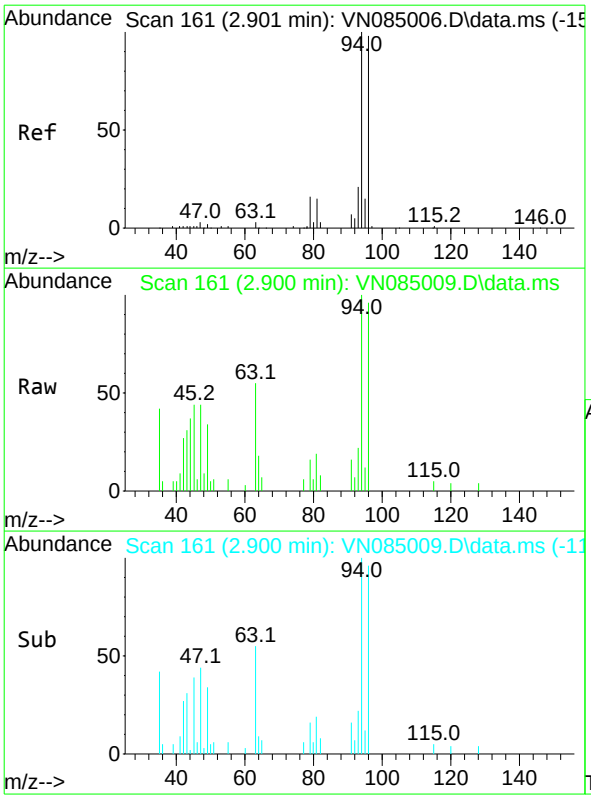


#4
Vinyl Chloride
Concen: 5.155 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 62 Resp: 10043

Ion	Ratio	Lower	Upper
62	100		
64	35.1	24.6	36.8

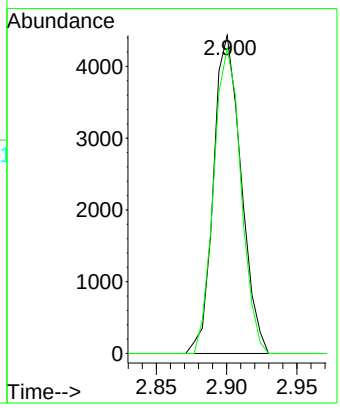




#5
Bromomethane
Concen: 5.543 ug/l
RT: 2.900 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 94 Resp: 6052

Ion	Ratio	Lower	Upper
94	100		
96	95.9	78.7	118.1



Instrument :
MSVOA_N
ClientSampleId :
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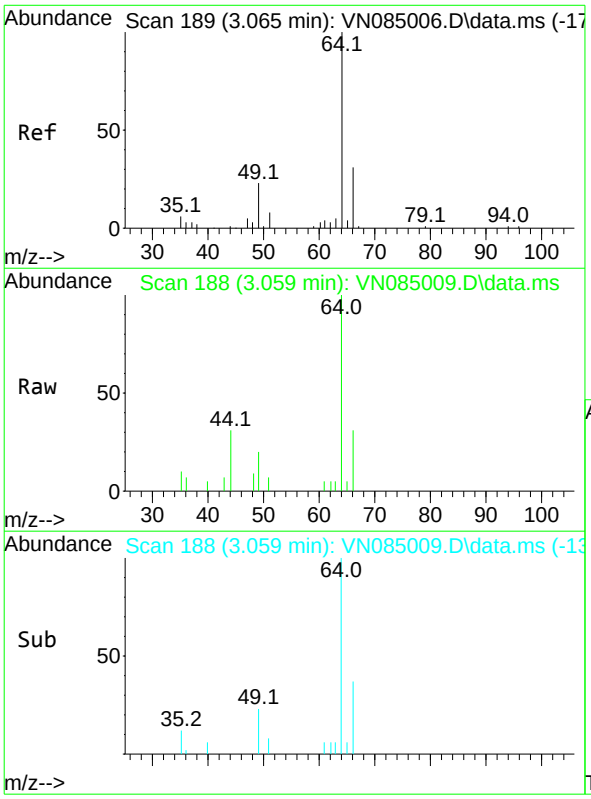
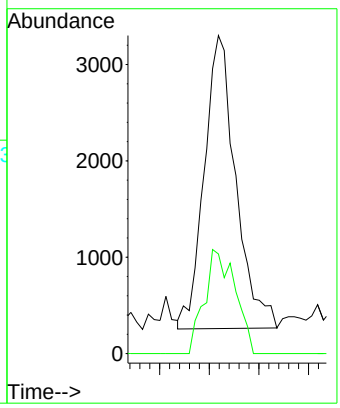
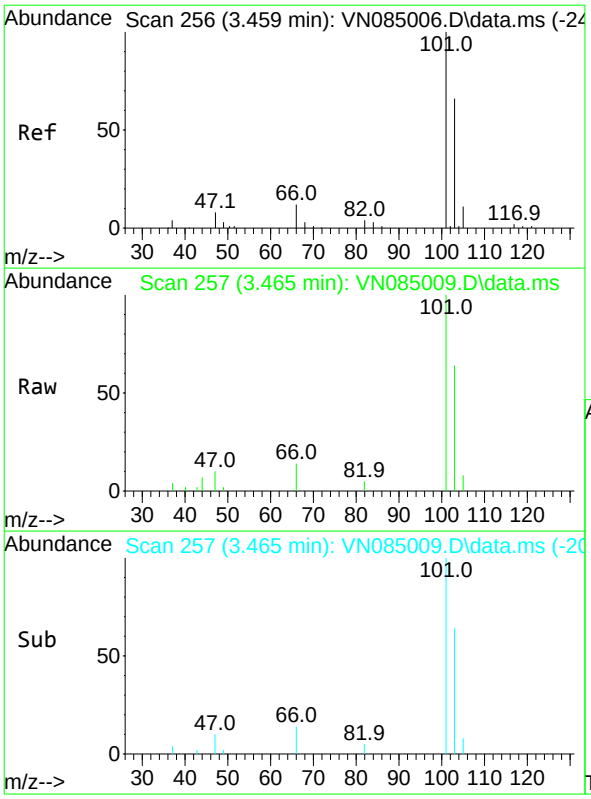


#6
Chloroethane
Concen: 5.119 ug/l
RT: 3.059 min Scan# 188
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 64 Resp: 6721

Ion	Ratio	Lower	Upper
64	100		
66	34.1	24.4	36.6

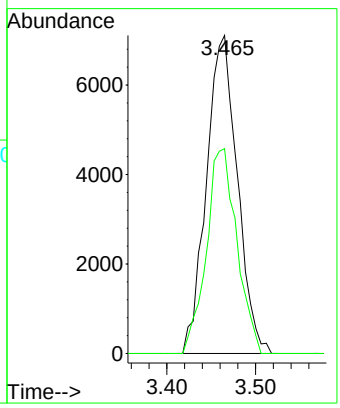




#7
Trichlorofluoromethane
Concen: 5.192 ug/l
RT: 3.465 min Scan# 25
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:101 Resp: 17204

Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.6	78.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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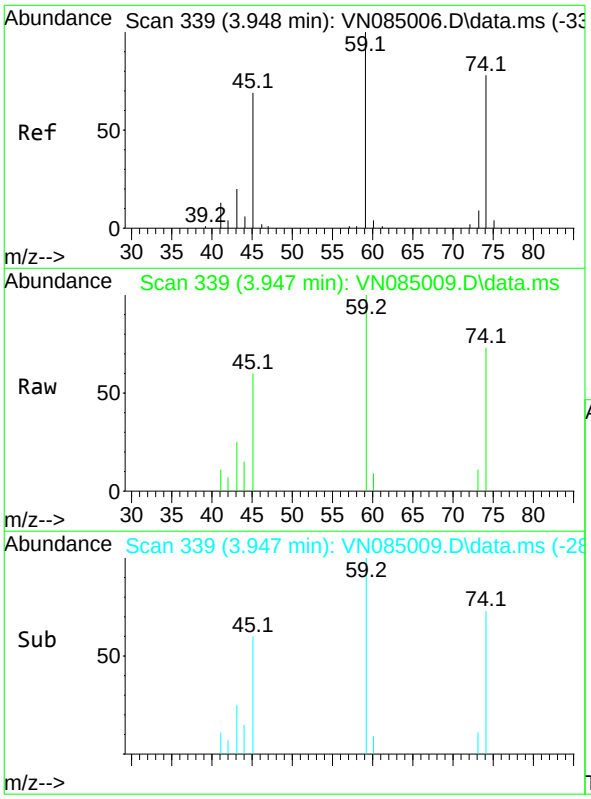
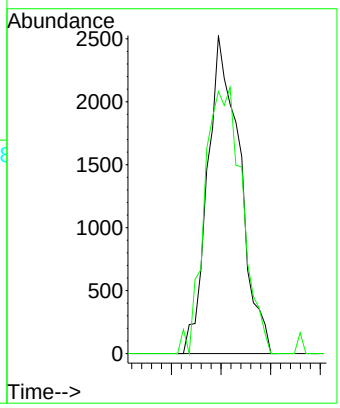
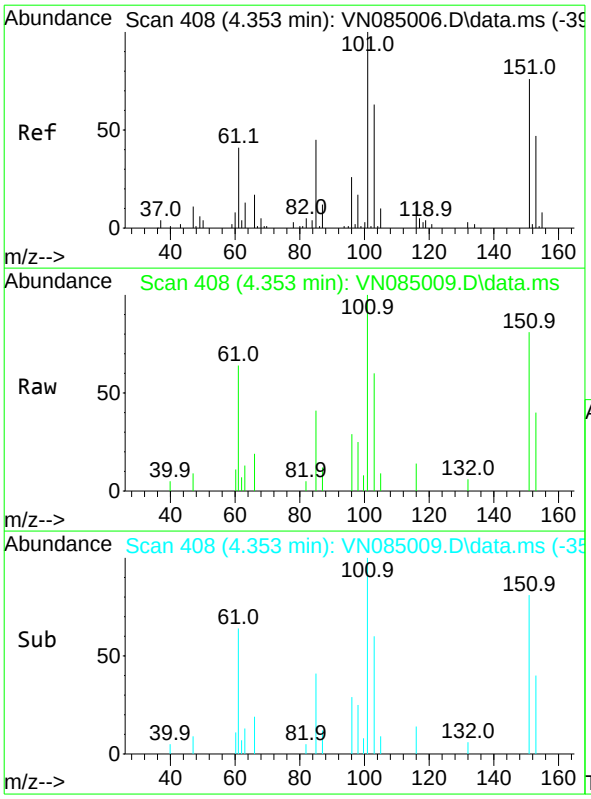


#8
Diethyl Ether
Concen: 5.050 ug/l
RT: 3.947 min Scan# 339
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 74 Resp: 5696

Ion	Ratio	Lower	Upper
74	100		
45	97.8	46.7	140.1

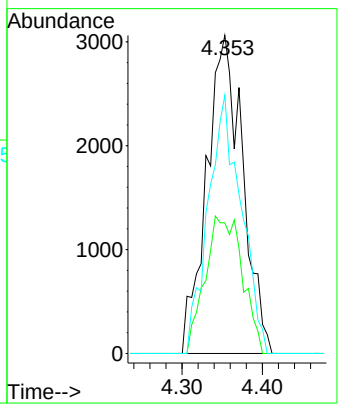




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.064 ug/l
RT: 4.353 min Scan# 40
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:101 Resp: 9518

Ion	Ratio	Lower	Upper
101	100		
85	44.7	36.9	55.3
151	74.5	60.8	91.2



Instrument :
MSVOA_N
ClientSampleId :
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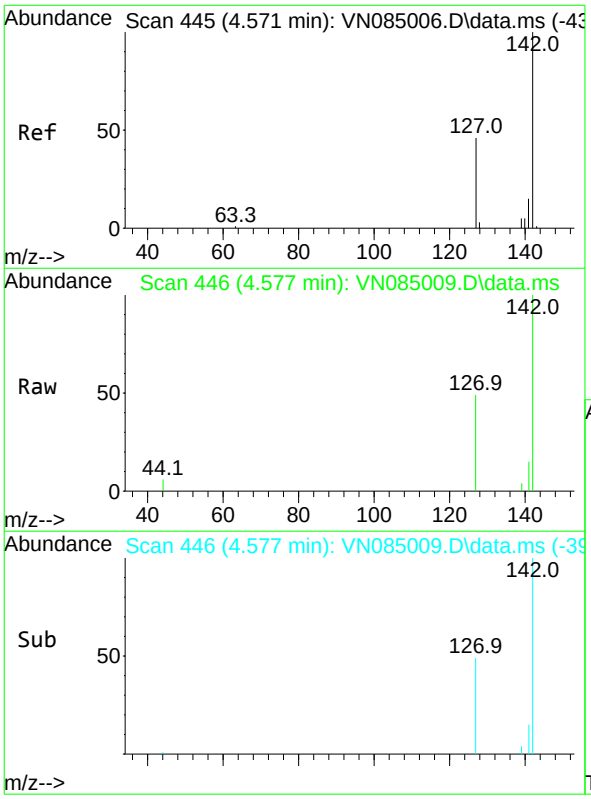
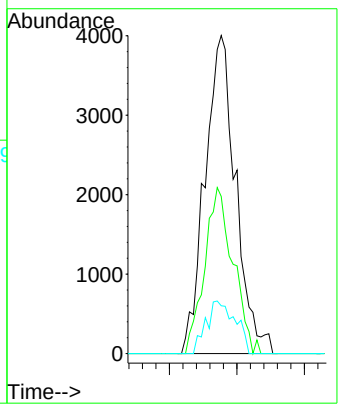
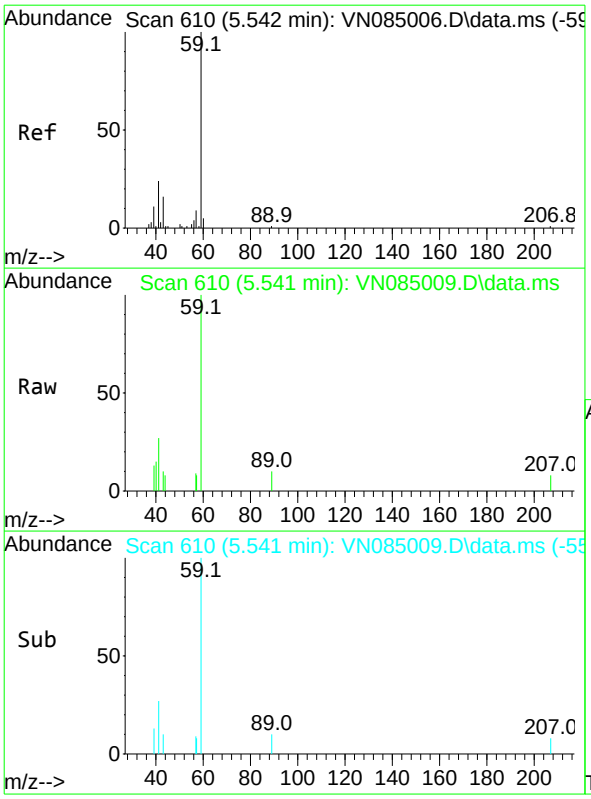


#10
Methyl Iodide
Concen: 5.077 ug/l
RT: 4.577 min Scan# 446
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:142 Resp: 12631

Ion	Ratio	Lower	Upper
142	100		
127	49.4	36.6	54.8
141	15.0	12.2	18.4

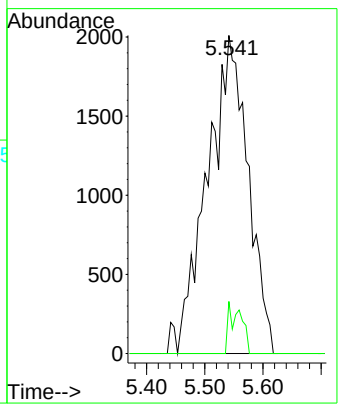




#11
Tert butyl alcohol
Concen: 30.780 ug/l
RT: 5.541 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 59 Resp: 9684

Ion	Ratio	Lower	Upper
59	100		
57	5.0	7.4	11.0#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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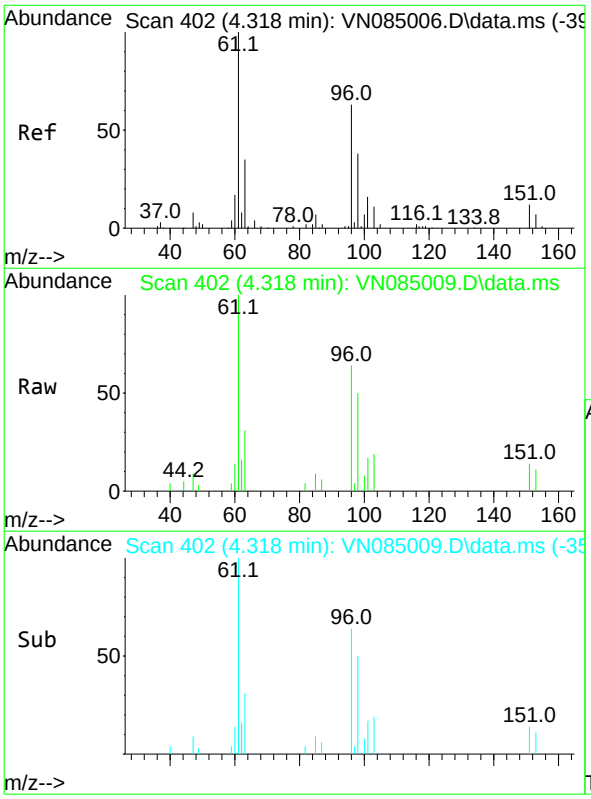
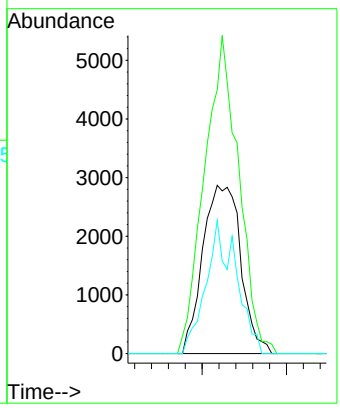
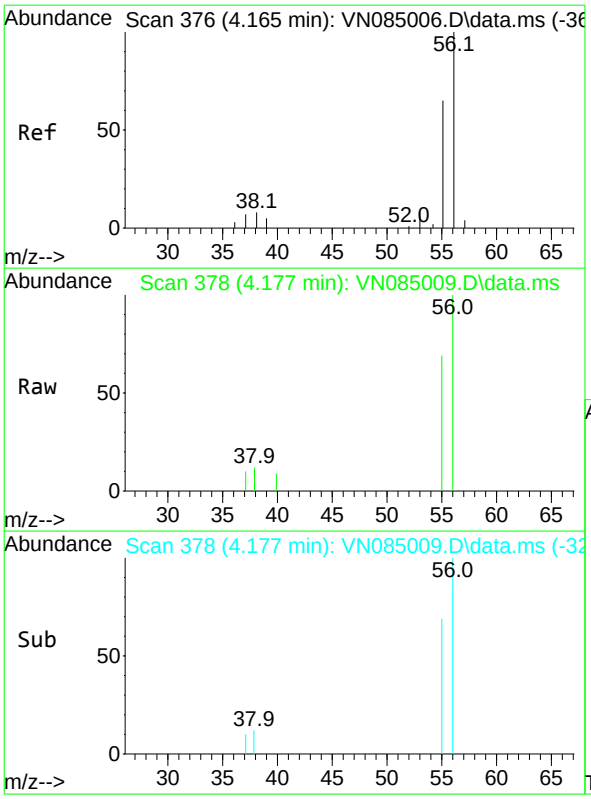


#12
1,1-Dichloroethene
Concen: 5.117 ug/l
RT: 4.318 min Scan# 402
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 96 Resp: 8977

Ion	Ratio	Lower	Upper
96	100		
61	156.7	127.8	191.8
98	79.1	49.2	73.8#

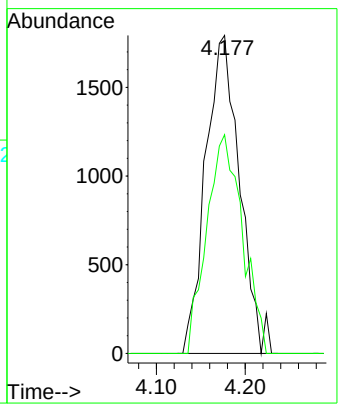




#13
Acrolein
Concen: 22.602 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.011 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 56 Resp: 4745

Ion	Ratio	Lower	Upper
56	100		
55	72.5	54.5	81.7



Instrument :
MSVOA_N
ClientSampleId :
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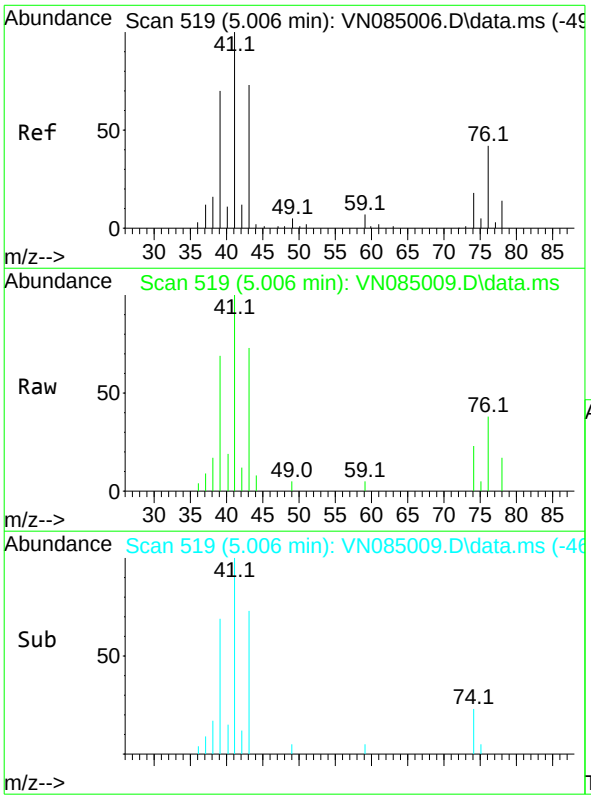
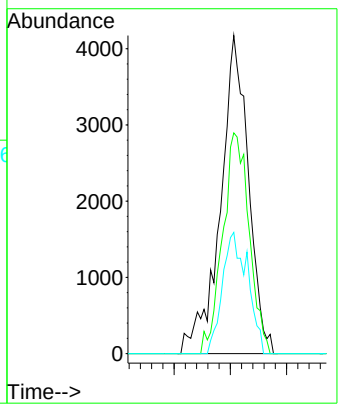
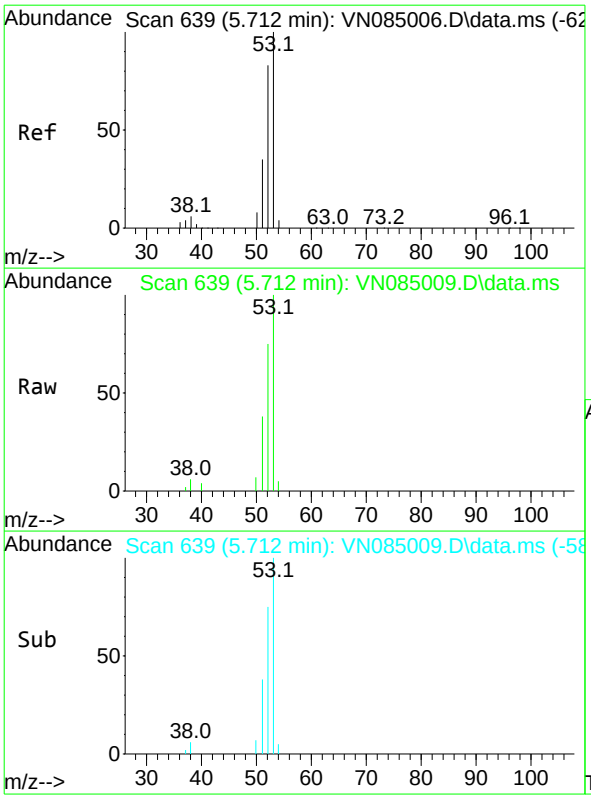


#14
Allyl chloride
Concen: 4.882 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 41 Resp: 14439

Ion	Ratio	Lower	Upper
41	100		
39	65.5	53.8	80.8
76	34.3	29.3	43.9

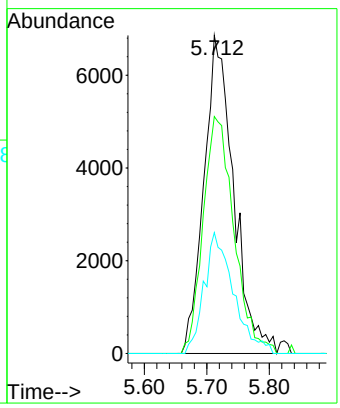




#15
Acrylonitrile
Concen: 25.403 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 53 Resp: 22627

Ion	Ratio	Lower	Upper
53	100		
52	77.5	65.5	98.3
51	37.5	28.4	42.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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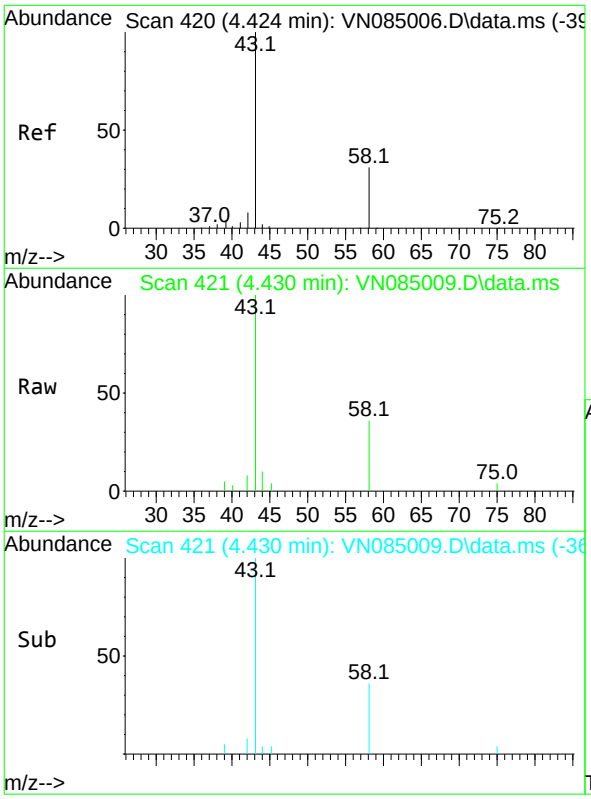
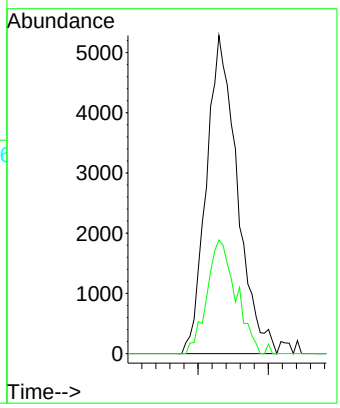
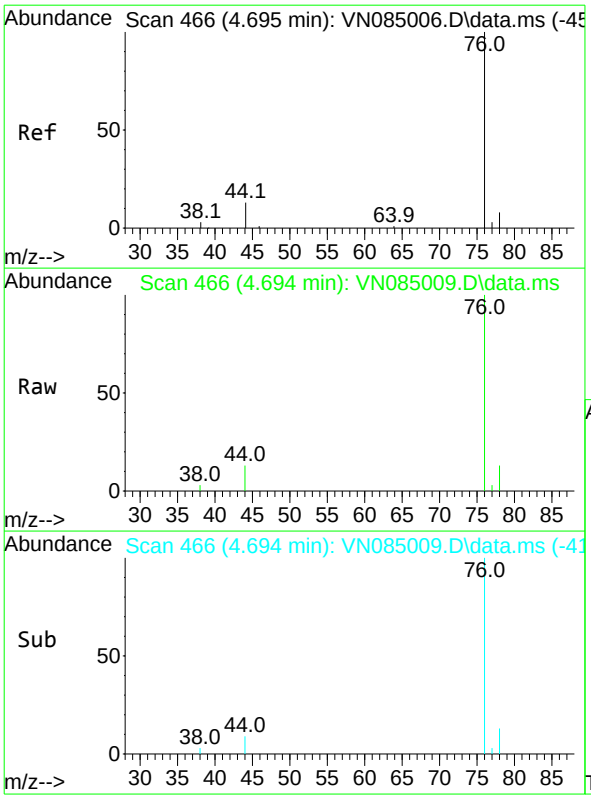


#16
Acetone
Concen: 23.525 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 43 Resp: 16131

Ion	Ratio	Lower	Upper
43	100		
58	35.7	25.4	38.2





#17
Carbon Disulfide
Concen: 5.074 ug/l
RT: 4.694 min Scan# 46
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 76 Resp: 26272

Ion	Ratio	Lower	Upper
76	100		
78	12.7	6.5	9.7#

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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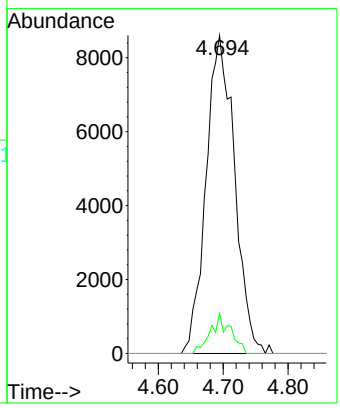
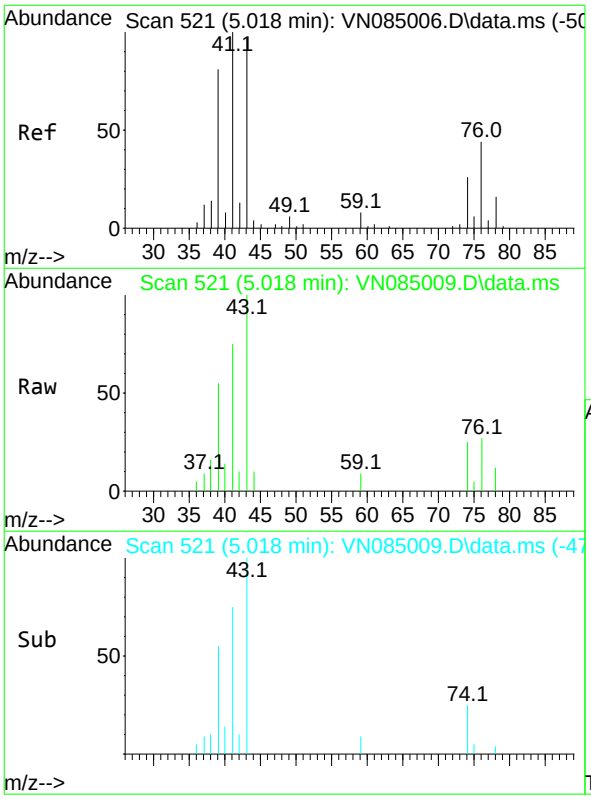
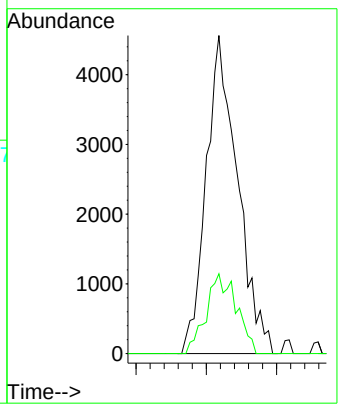


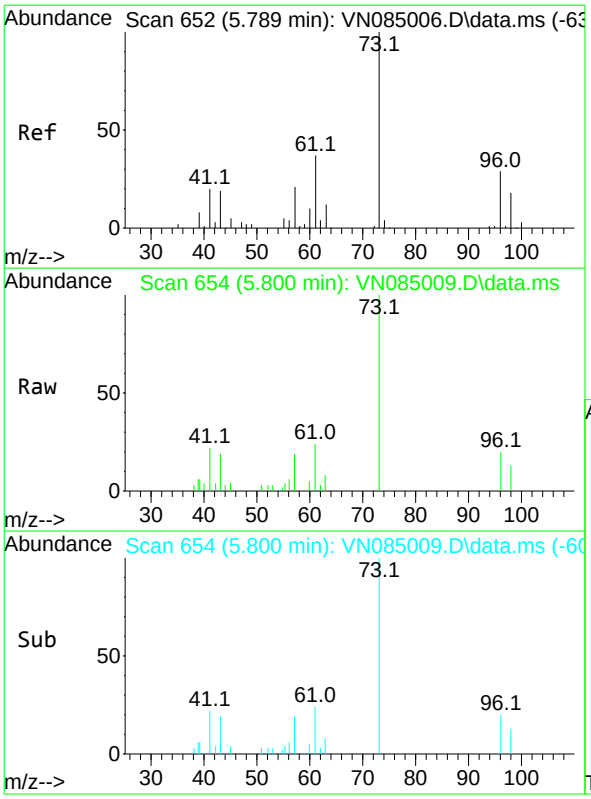


#18
Methyl Acetate
Concen: 5.429 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 43 Resp: 14139

Ion	Ratio	Lower	Upper
43	100		
74	24.2	20.1	30.1

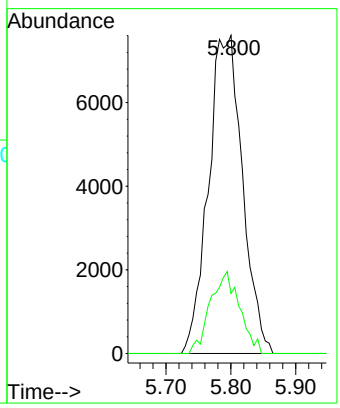




#19
Methyl tert-butyl Ether
Concen: 4.829 ug/l
RT: 5.800 min Scan# 65
Delta R.T. 0.011 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 73 Resp: 27679

Ion	Ratio	Lower	Upper
73	100		
57	18.9	17.0	25.4



Instrument :
MSVOA_N
ClientSampleId :
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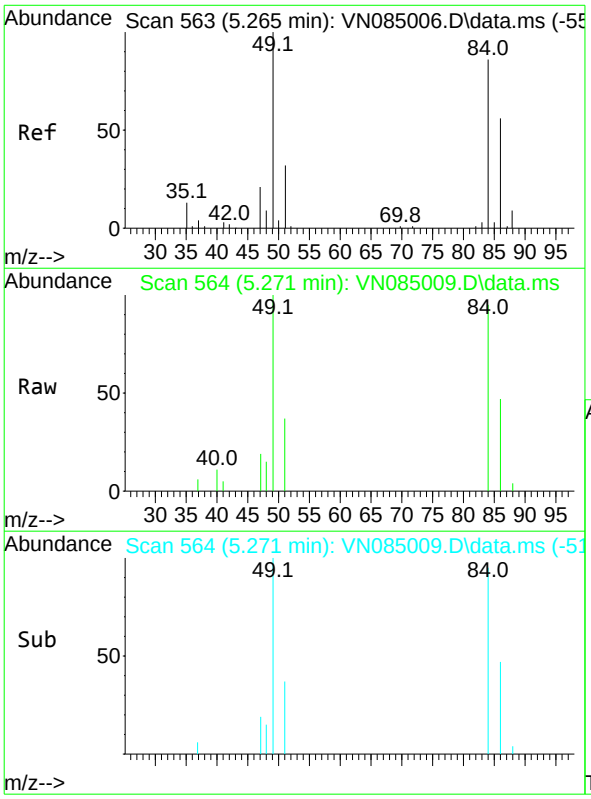
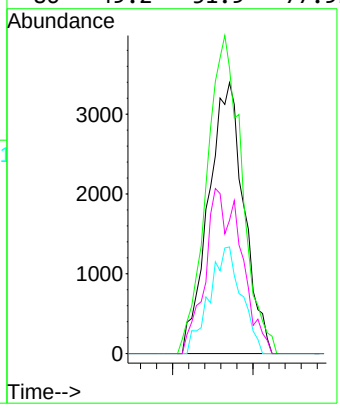
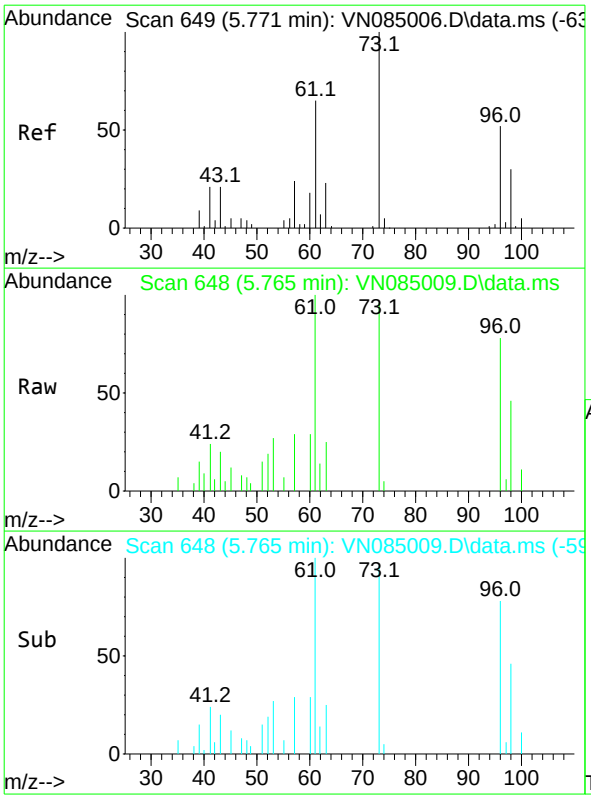


#20
Methylene Chloride
Concen: 4.975 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 84 Resp: 10410

Ion	Ratio	Lower	Upper
84	100		
49	105.4	92.7	139.1
51	39.4	29.4	44.2
86	49.2	51.9	77.9#

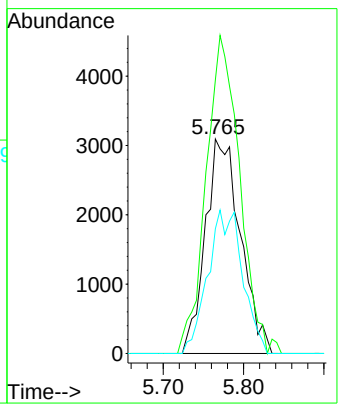




#21
trans-1,2-Dichloroethene
Concen: 5.085 ug/l
RT: 5.765 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 96 Resp: 9388

Ion	Ratio	Lower	Upper
96	100		
61	127.5	100.7	151.1
98	58.1	45.8	68.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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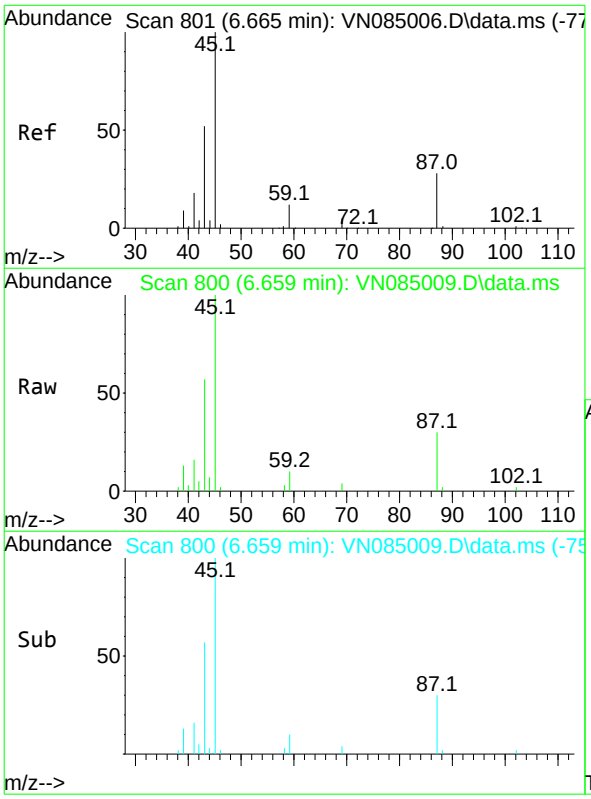
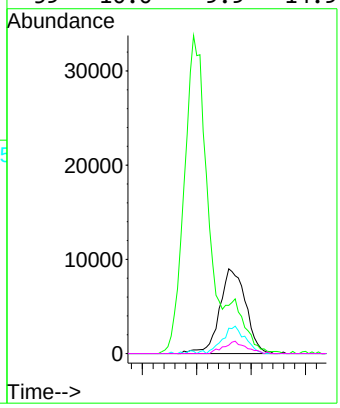
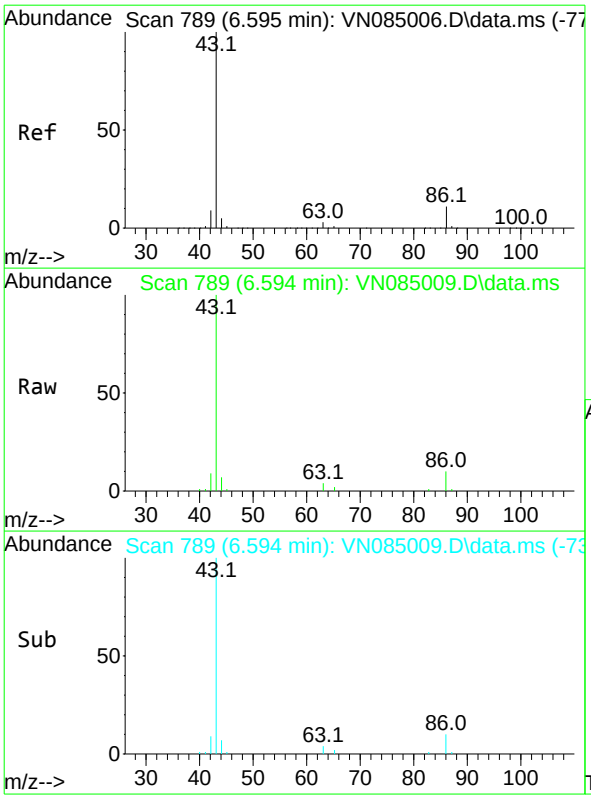


#22
Diisopropyl ether
Concen: 5.043 ug/l
RT: 6.659 min Scan# 800
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 45 Resp: 30018

Ion	Ratio	Lower	Upper
45	100		
43	54.4	42.7	64.1
87	29.9	22.6	34.0
59	10.0	9.9	14.9

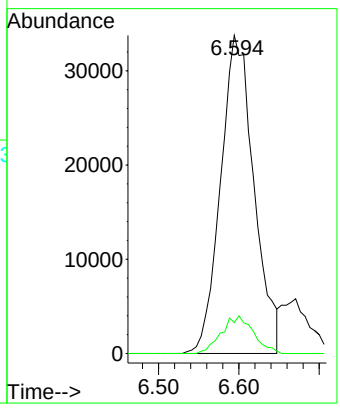




#23
Vinyl Acetate
Concen: 23.745 ug/l
RT: 6.594 min Scan# 78
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 43 Resp: 97507

Ion	Ratio	Lower	Upper
43	100		
86	9.7	8.9	13.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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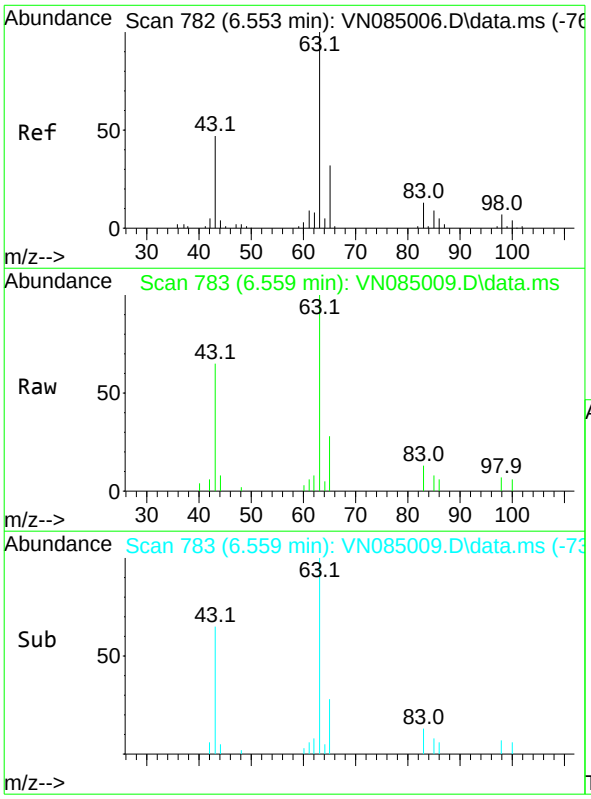
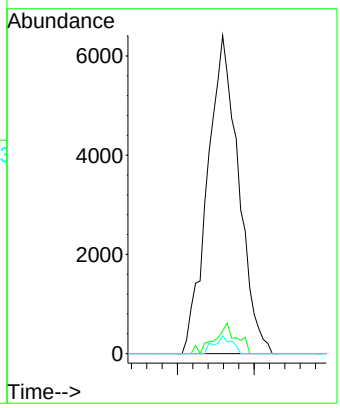
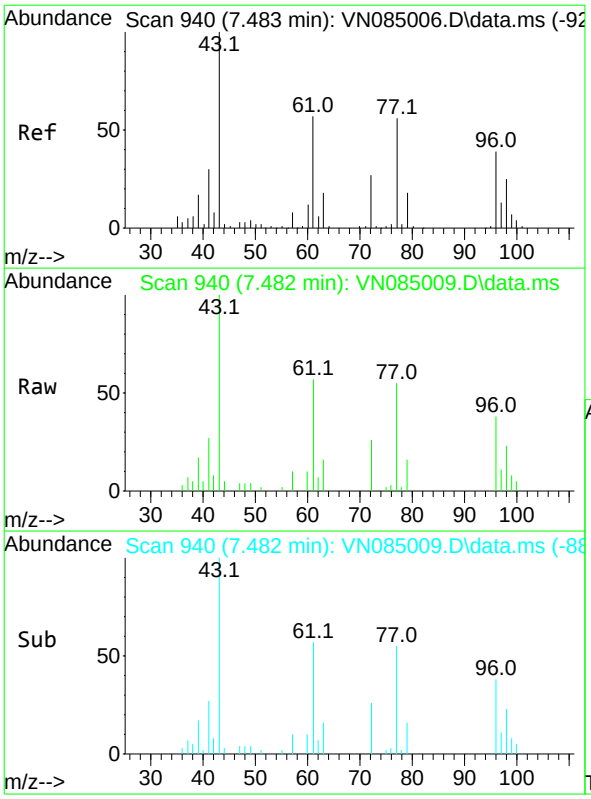


#24
1,1-Dichloroethane
Concen: 5.066 ug/l
RT: 6.559 min Scan# 783
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 63 Resp: 18044

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.3	9.8
100	5.6	2.2	6.6

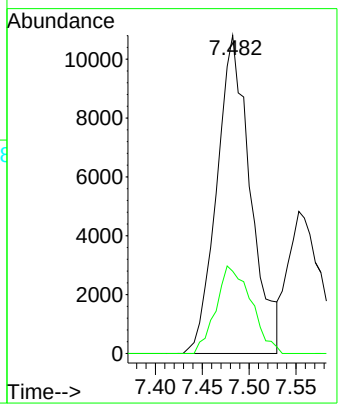




#25
2-Butanone
Concen: 24.174 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 43 Resp: 27100

Ion	Ratio	Lower	Upper
43	100		
72	25.9	21.4	32.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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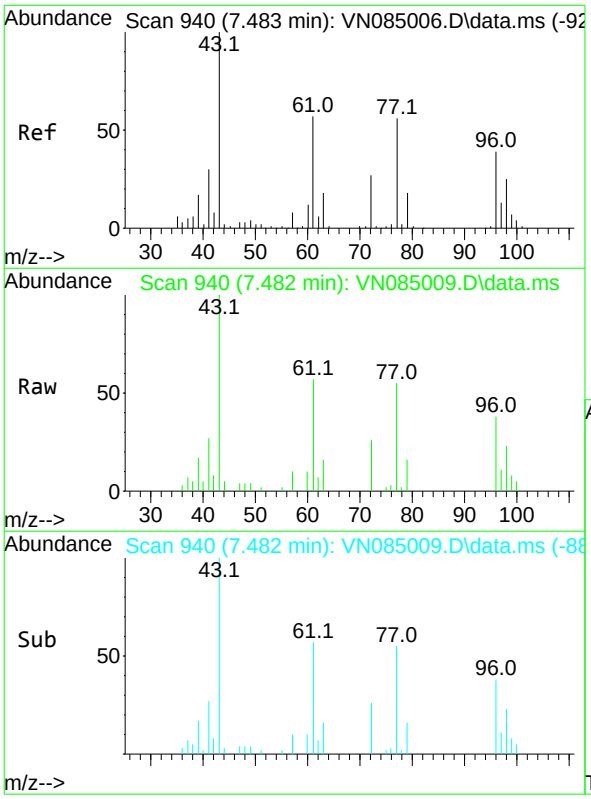
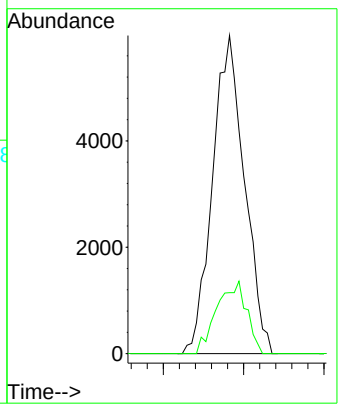
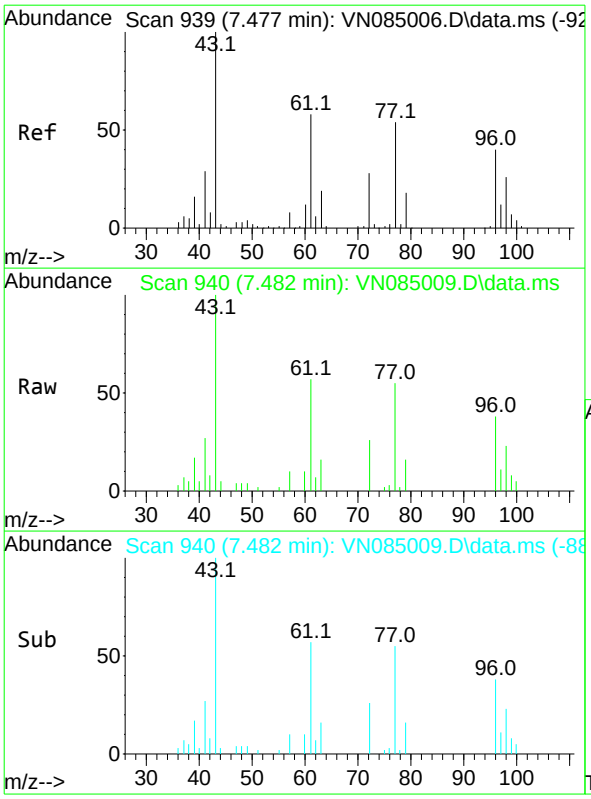


#26
2,2-Dichloropropane
Concen: 4.968 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 77 Resp: 16525

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.9	32.7

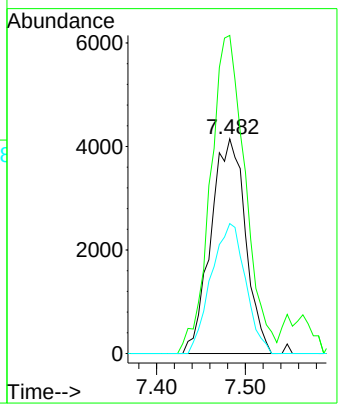




#27
cis-1,2-Dichloroethene
Concen: 5.055 ug/l
RT: 7.482 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 96 Resp: 11250

Ion	Ratio	Lower	Upper
96	100		
61	148.7	0.0	291.6
98	59.8	0.0	129.8



Instrument :
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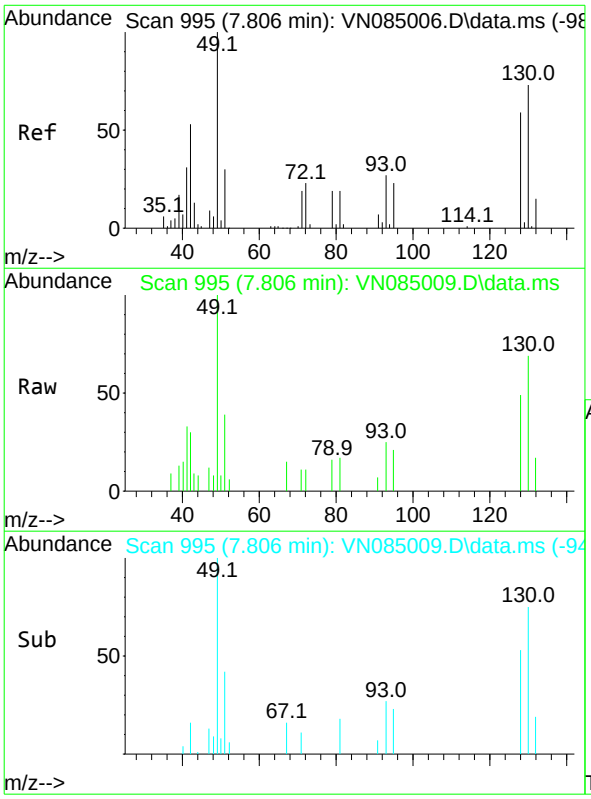
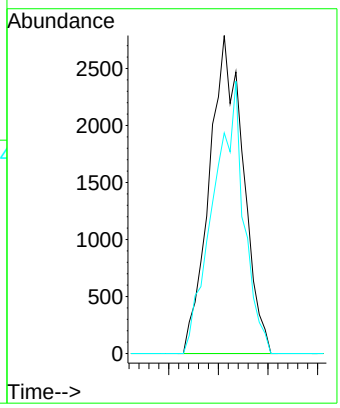
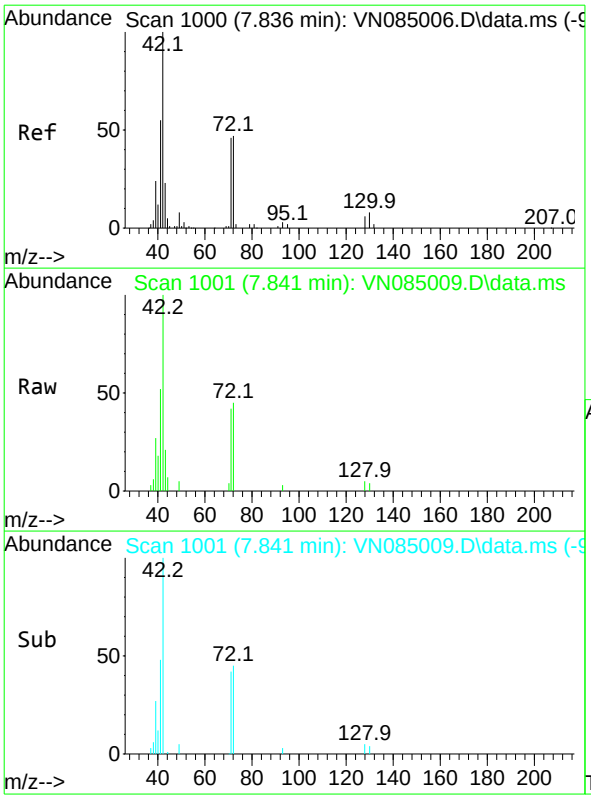


#28
Bromochloromethane
Concen: 4.903 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 49 Resp: 6592

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	77.4	60.6	90.8

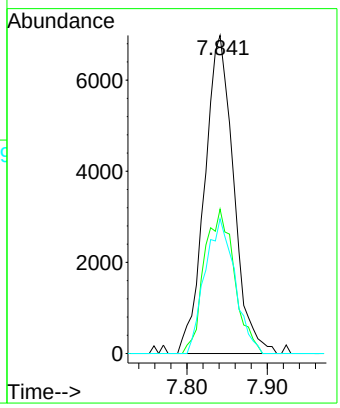




#29
Tetrahydrofuran
Concen: 25.104 ug/l
RT: 7.841 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 42 Resp: 17501

Ion	Ratio	Lower	Upper
42	100		
72	47.1	37.0	55.4
71	43.6	35.0	52.4



Instrument :
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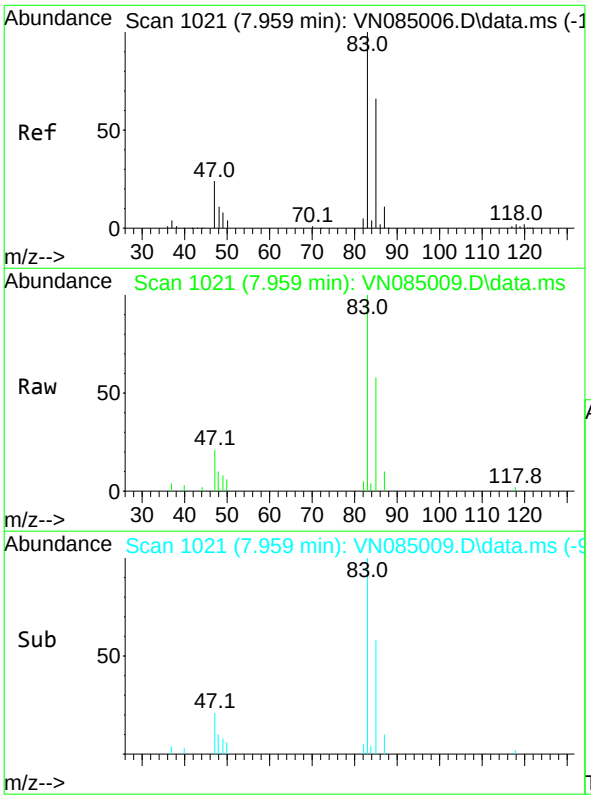
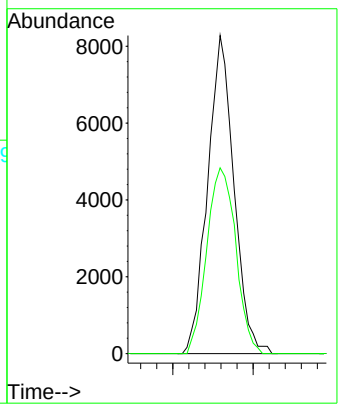
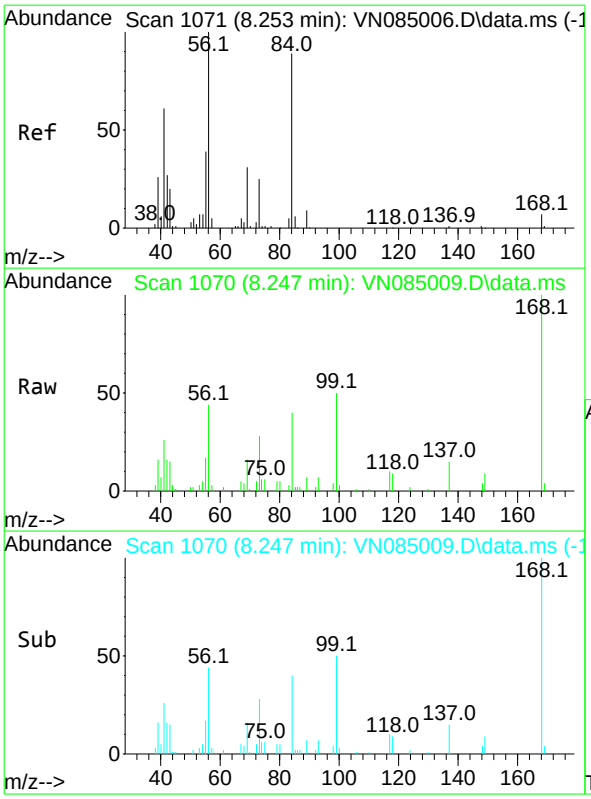


#30
Chloroform
Concen: 4.971 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 83 Resp: 18837

Ion	Ratio	Lower	Upper
83	100		
85	58.4	52.6	78.8

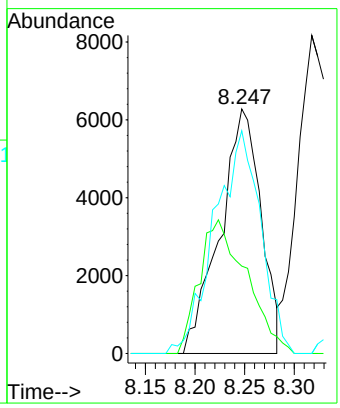




#31
Cyclohexane
Concen: 5.751 ug/l
RT: 8.247 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 56 Resp: 18036

Ion	Ratio	Lower	Upper
56	100		
69	35.7	24.6	36.8
84	88.0	71.4	107.2



Instrument :
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ClientSampleId :
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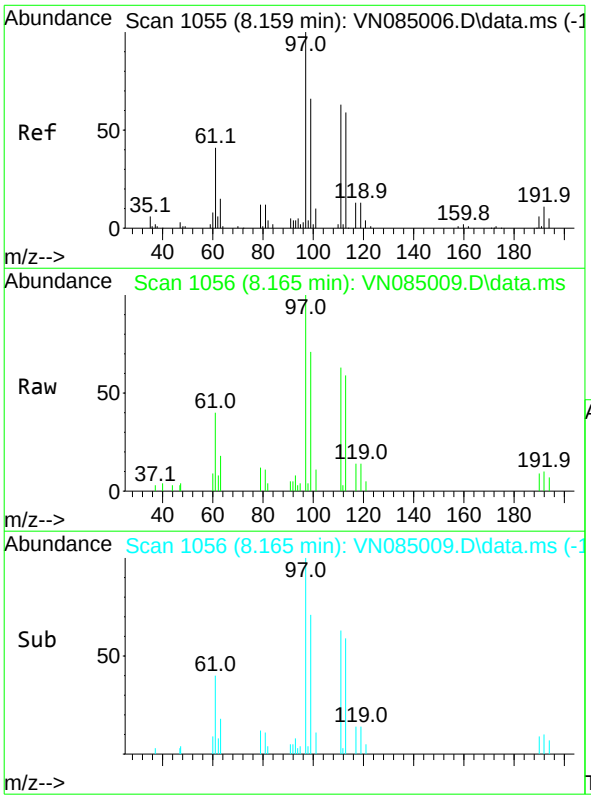
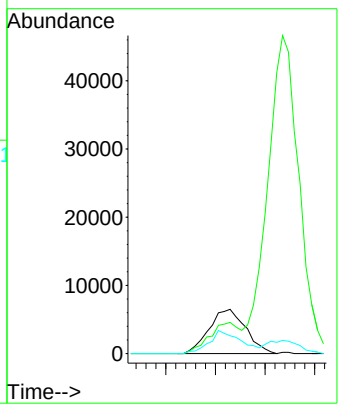
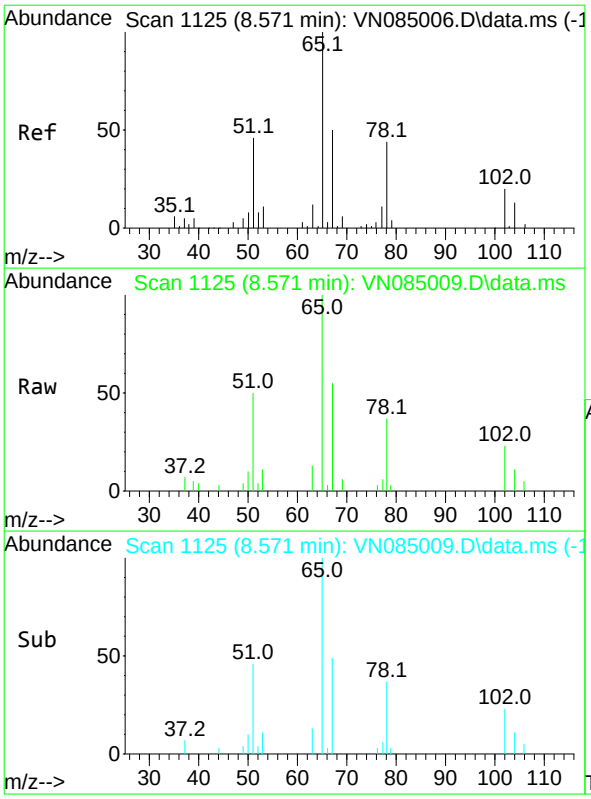


#32
1,1,1-Trichloroethane
Concen: 4.851 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 97 Resp: 16611

Ion	Ratio	Lower	Upper
97	100		
99	59.1	51.0	76.4
61	45.2	36.2	54.2

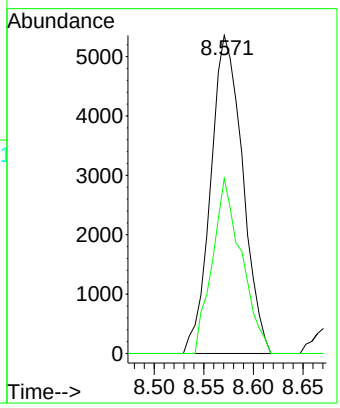




#33
1,2-Dichloroethane-d4
Concen: 5.087 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 65 Resp: 11977

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	105.0



Instrument :
MSVOA_N
ClientSampleId :
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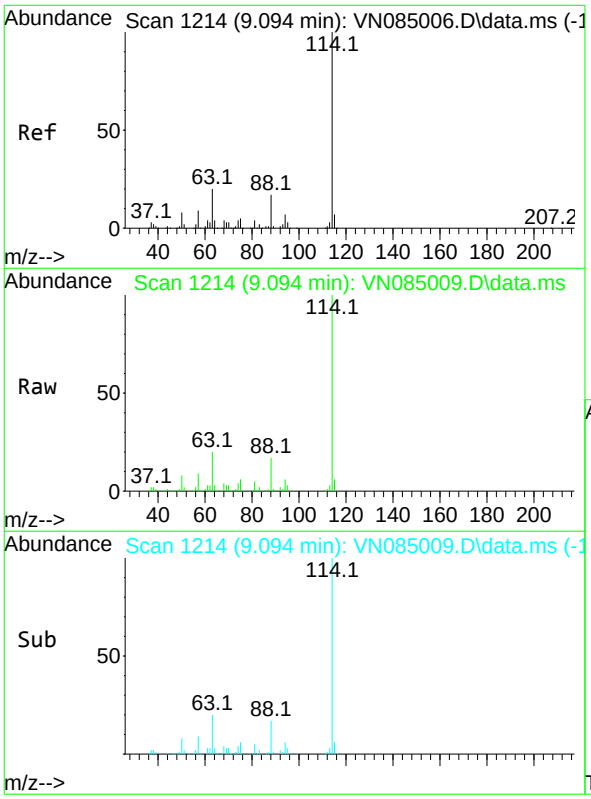
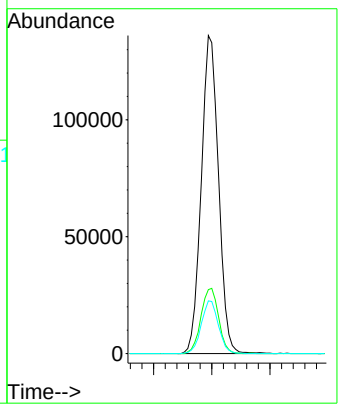
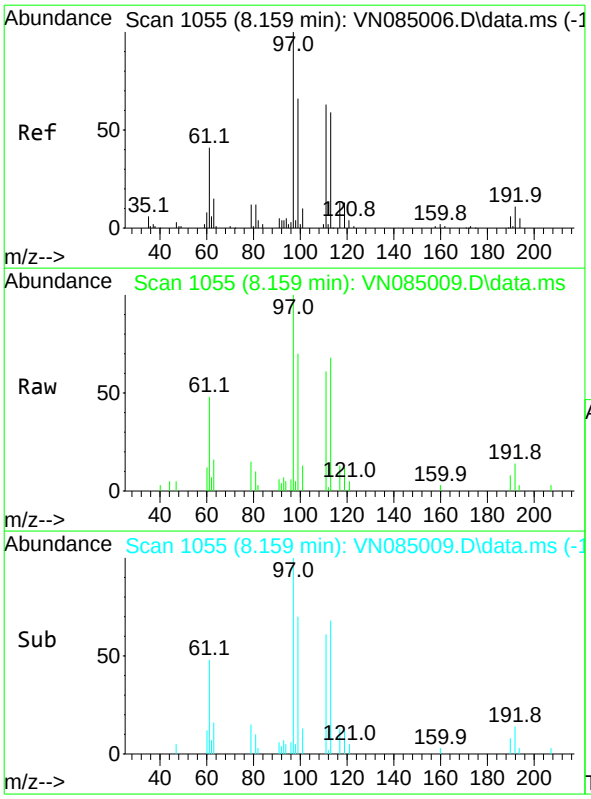


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:114 Resp: 280025

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	41.0
88	16.6	0.0	34.8

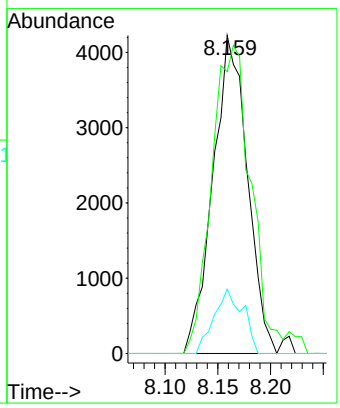




#35
Dibromofluoromethane
Concen: 5.082 ug/l
RT: 8.159 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:113 Resp: 9597

Ion	Ratio	Lower	Upper
113	100		
111	109.7	82.0	123.0
192	17.0	14.8	22.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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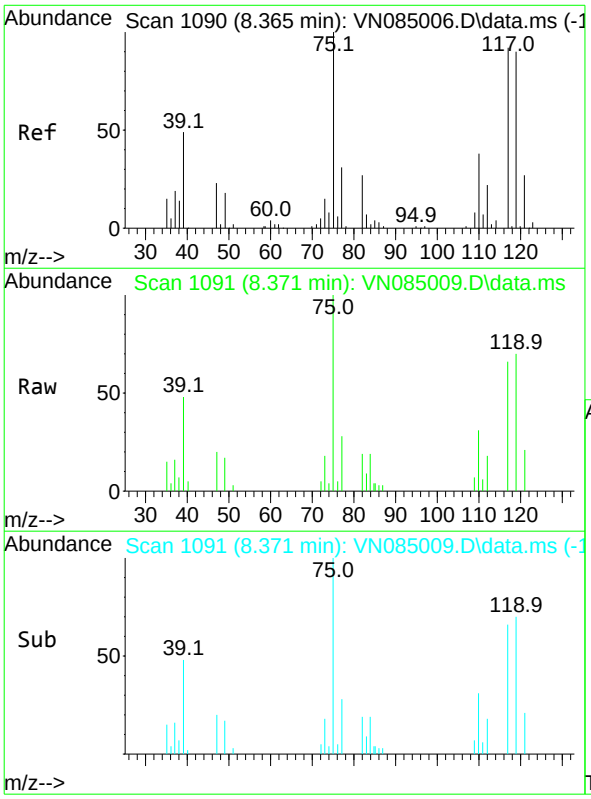
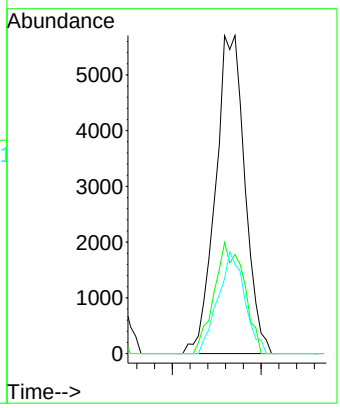
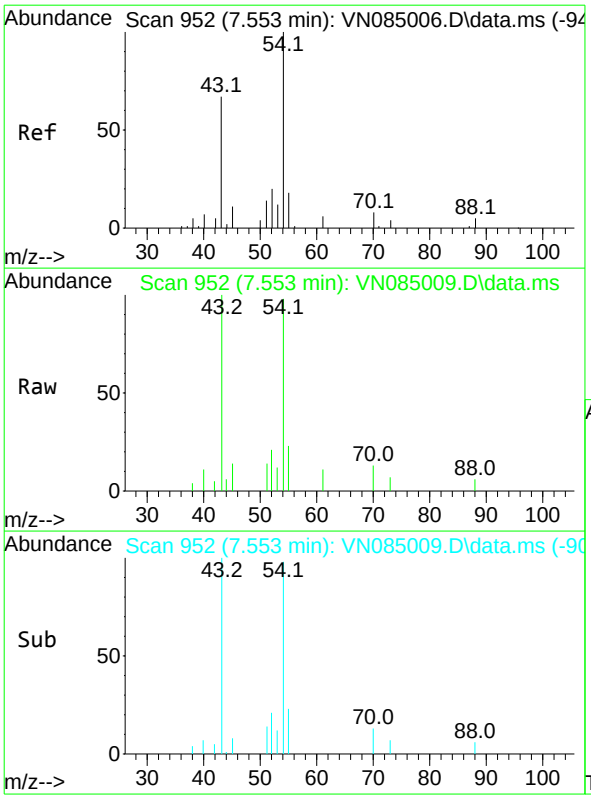


#36
1,1-Dichloropropene
Concen: 5.140 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 75 Resp: 13147

Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.2	51.6
77	28.9	24.2	36.4

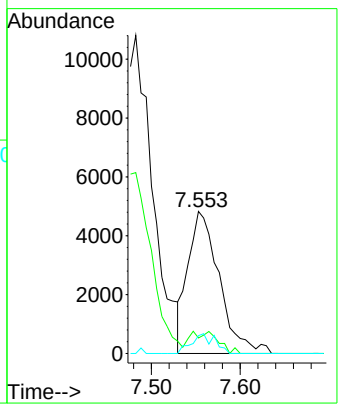




#37
Ethyl Acetate
Concen: 5.114 ug/l
RT: 7.553 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 43 Resp: 11891

Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.7	17.5#
70	10.4	9.3	13.9



Instrument :
MSVOA_N
ClientSampleId :
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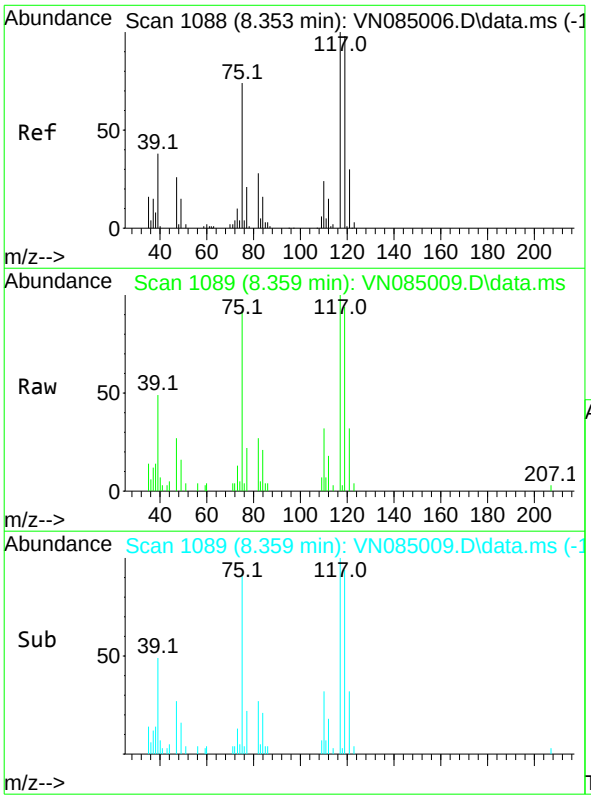
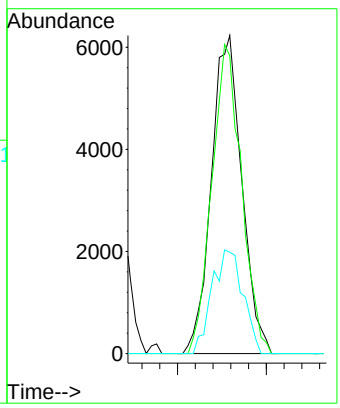
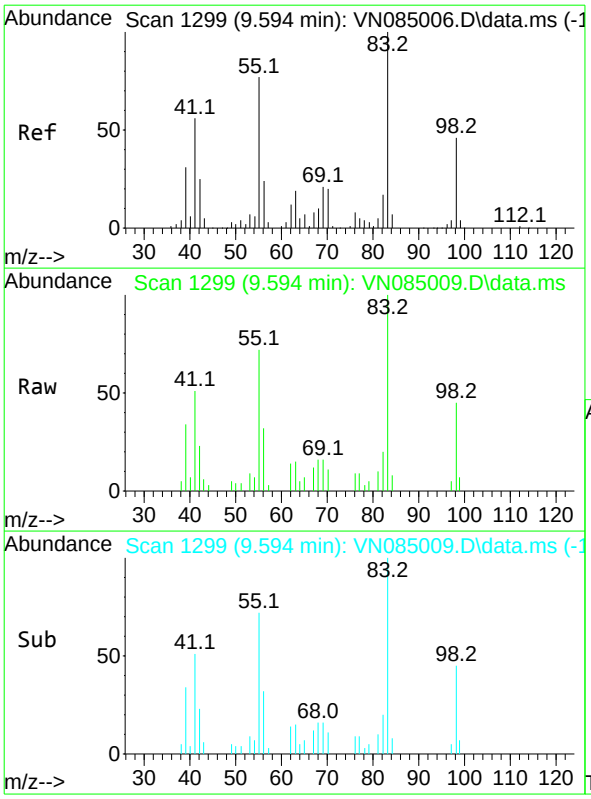


#38
Carbon Tetrachloride
Concen: 5.022 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:117 Resp: 14827

Ion	Ratio	Lower	Upper
117	100		
119	93.7	78.6	117.8
121	31.8	24.2	36.2

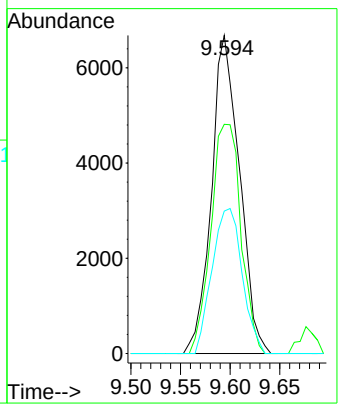




#39
Methylcyclohexane
Concen: 4.945 ug/l
RT: 9.594 min Scan# 12
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 83 Resp: 13143

Ion	Ratio	Lower	Upper
83	100		
55	72.1	61.8	92.6
98	44.8	37.0	55.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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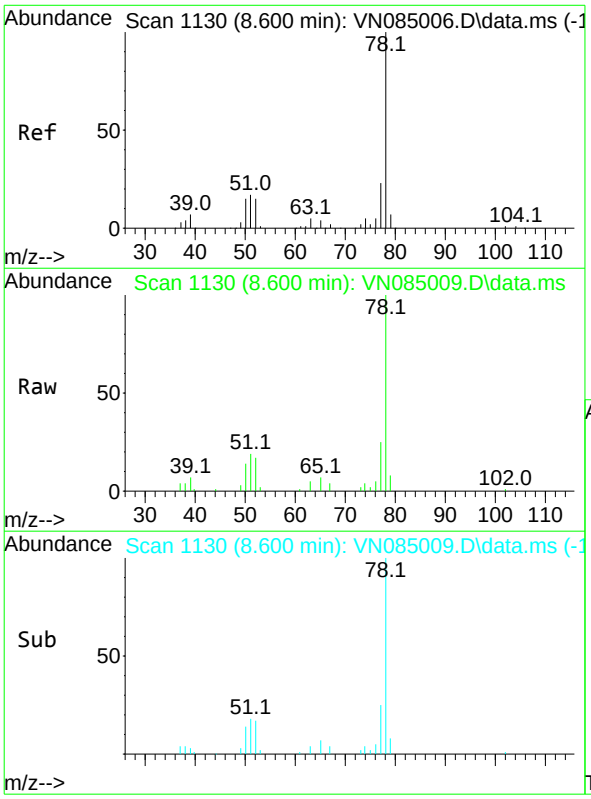
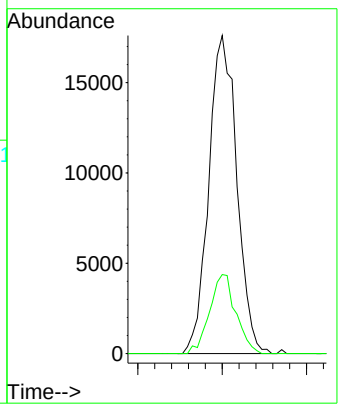
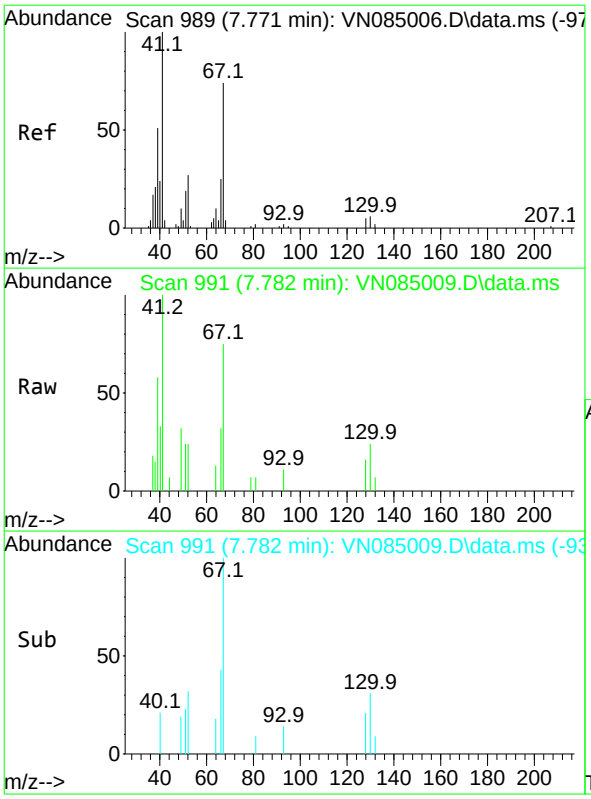


#40
Benzene
Concen: 5.026 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 78 Resp: 40657

Ion	Ratio	Lower	Upper
78	100		
77	24.8	18.5	27.7

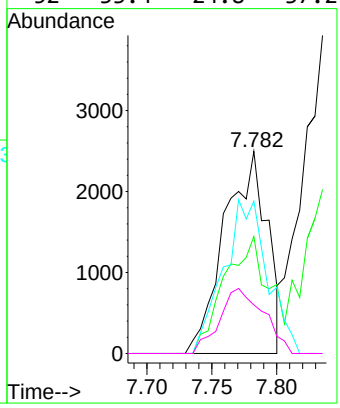




#41
Methacrylonitrile
Concen: 4.417 ug/l
RT: 7.782 min Scan# 99
Delta R.T. 0.011 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 41 Resp: 5687

Ion	Ratio	Lower	Upper
41	100		
39	60.9	42.6	63.8
67	78.7	59.9	89.9
52	33.4	24.8	37.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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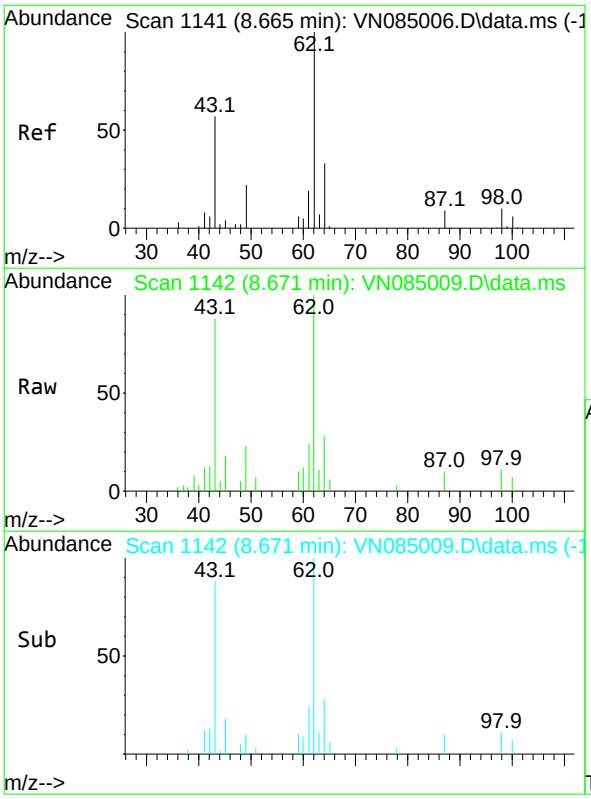
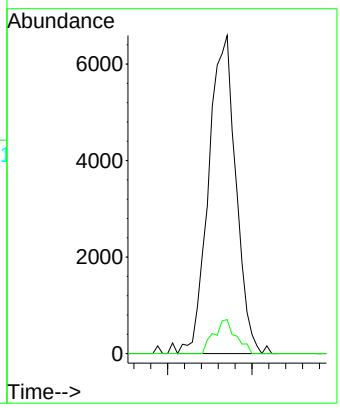
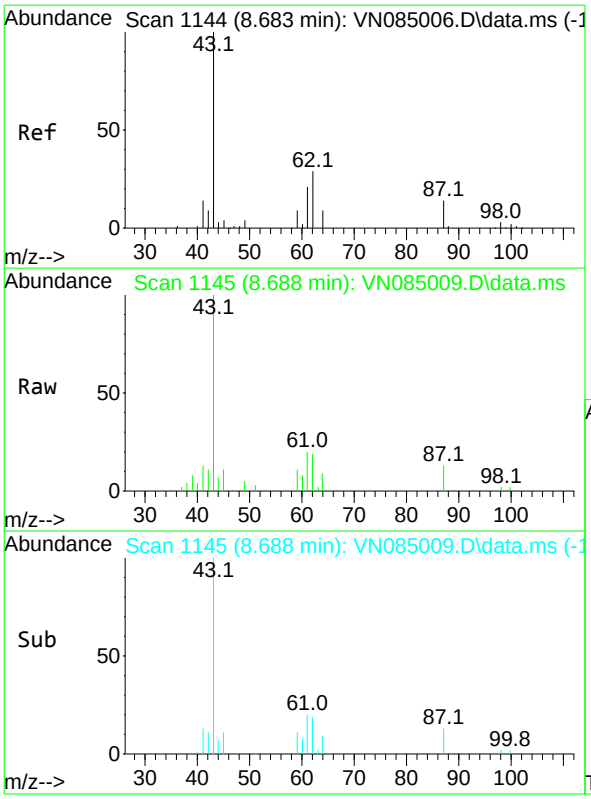


#42
1,2-Dichloroethane
Concen: 5.356 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 62 Resp: 14824

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.2

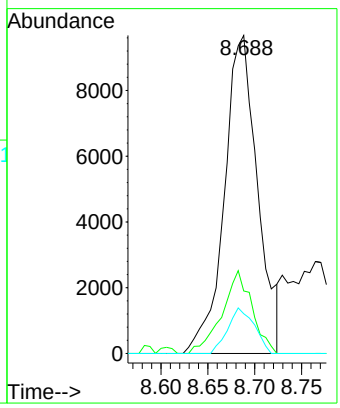




#43
Isopropyl Acetate
Concen: 4.947 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 43 Resp: 23894

Ion	Ratio	Lower	Upper
43	100		
61	23.4	20.6	30.8
87	11.4	11.0	16.4



Instrument :
MSVOA_N
ClientSampleId :
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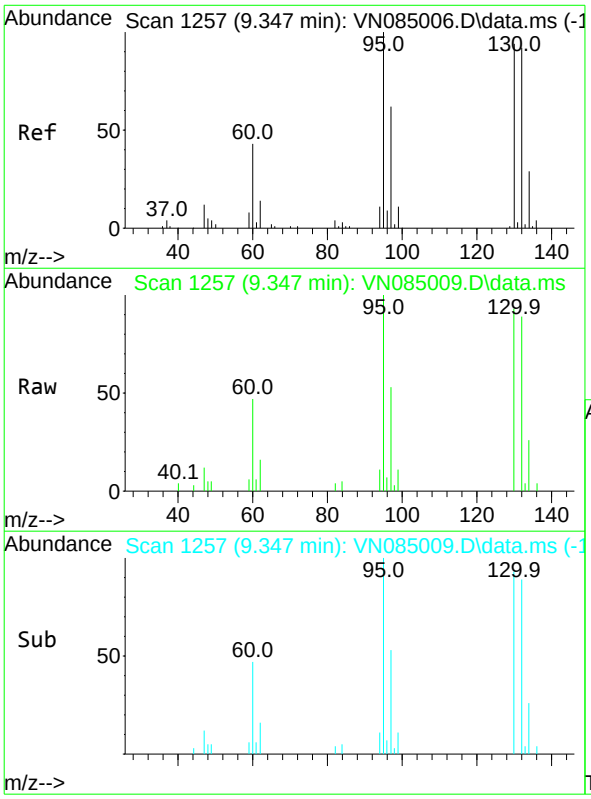
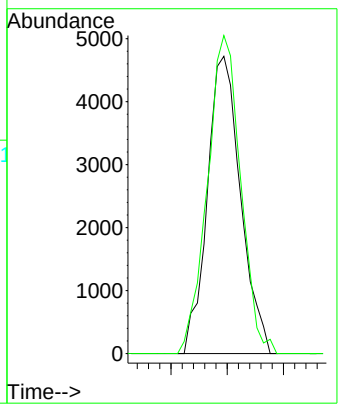
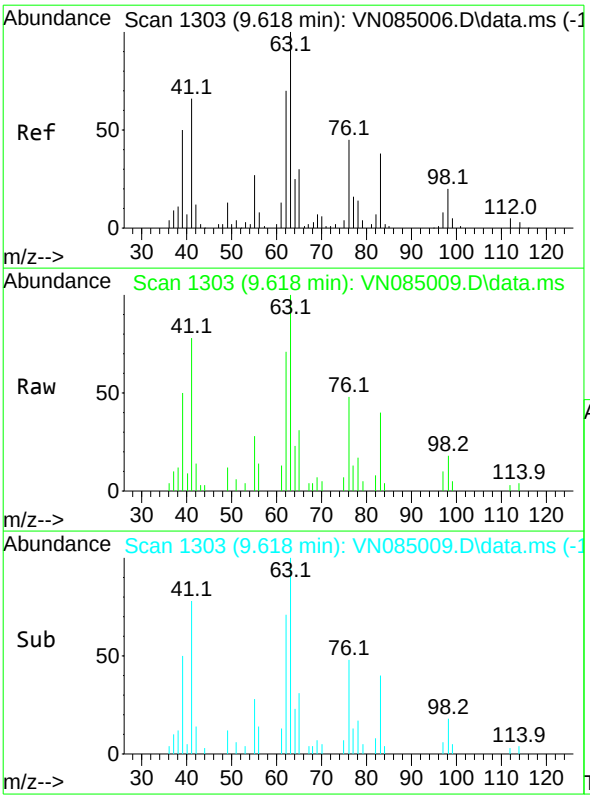


#44
Trichloroethene
Concen: 5.165 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:130 Resp: 9711

Ion	Ratio	Lower	Upper
130	100		
95	107.0	0.0	213.4

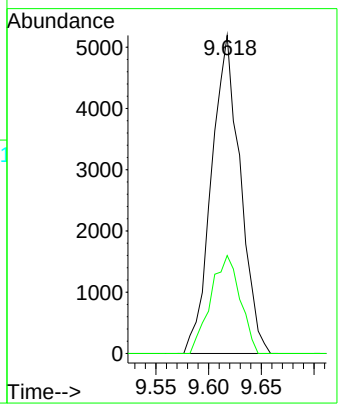




#45
1,2-Dichloropropane
Concen: 4.948 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 63 Resp: 9859

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.0	36.0



Instrument :
MSVOA_N
ClientSampleId :
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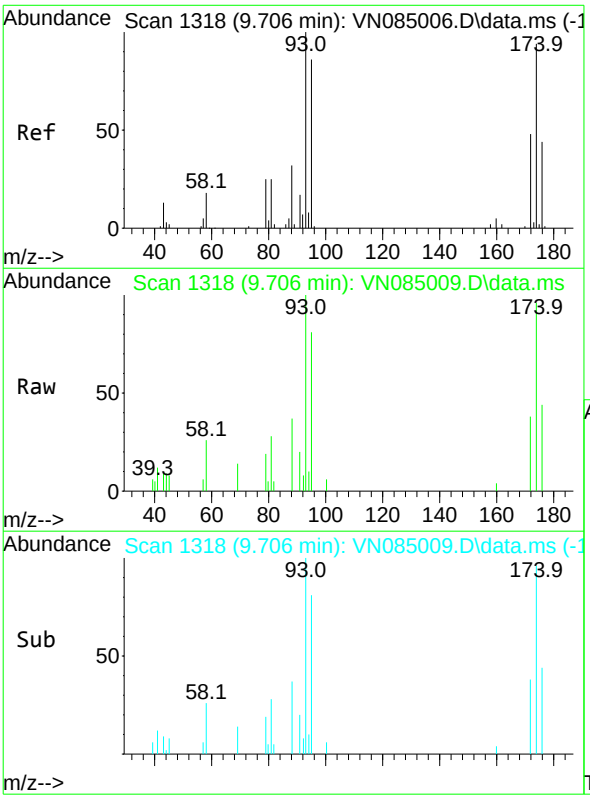
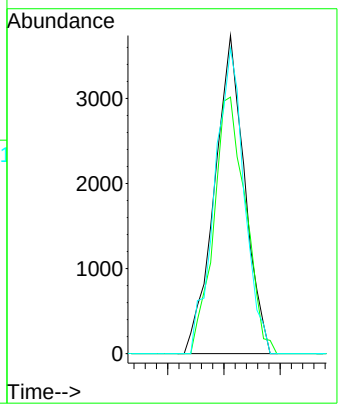
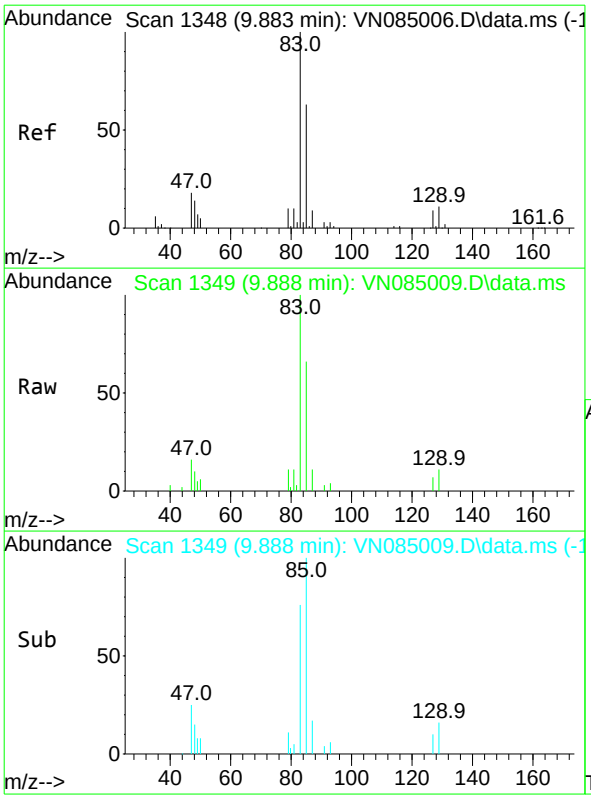


#46
Dibromomethane
Concen: 5.028 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 93 Resp: 6962

Ion	Ratio	Lower	Upper
93	100		
95	85.5	66.2	99.4
174	94.3	74.9	112.3

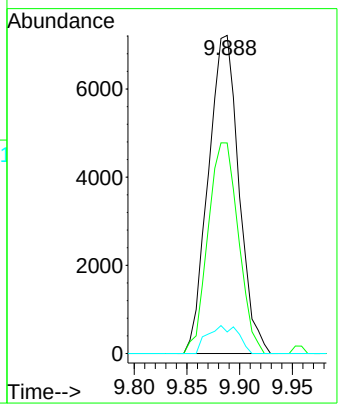




#47
Bromodichloromethane
Concen: 4.962 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 83 Resp: 14562

Ion	Ratio	Lower	Upper
83	100		
85	66.2	50.5	75.7
127	6.8	7.1	10.7#



Instrument :
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ClientSampleId :
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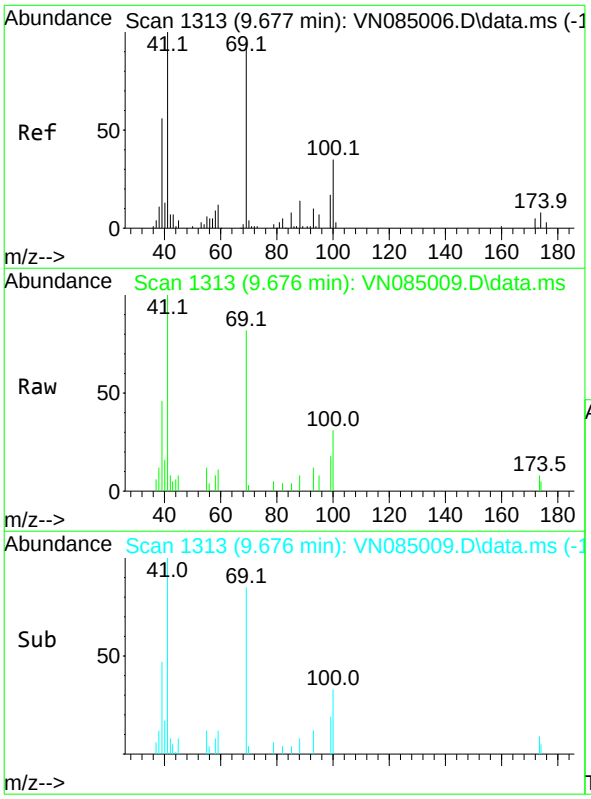
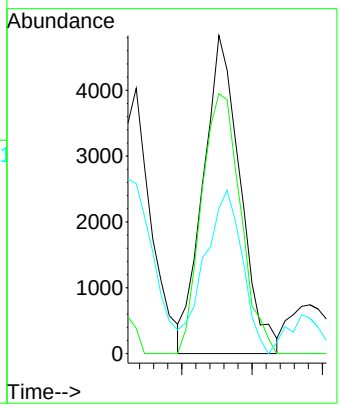
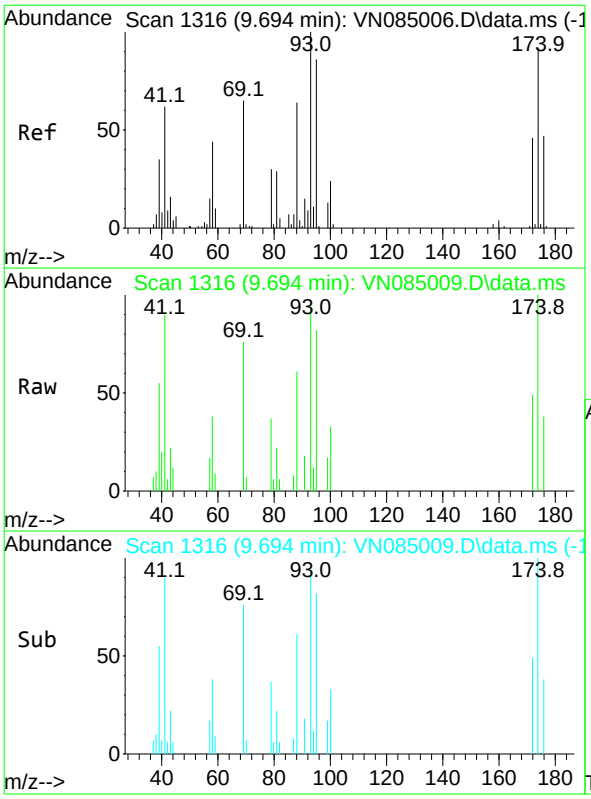


#48
Methyl methacrylate
Concen: 4.918 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 41 Resp: 8840

Ion	Ratio	Lower	Upper
41	100		
69	86.1	73.2	109.8
39	52.3	46.2	69.4





#49
1,4-Dioxane
Concen: 94.738 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 88 Resp: 2953

Ion	Ratio	Lower	Upper
88	100		
43	35.6	16.7	25.1#
58	80.8	56.5	84.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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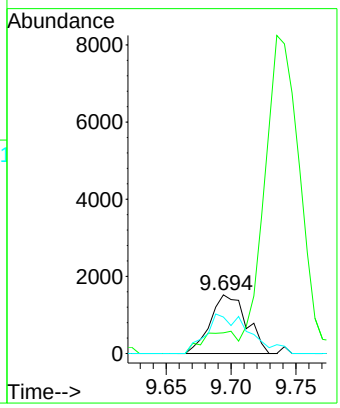
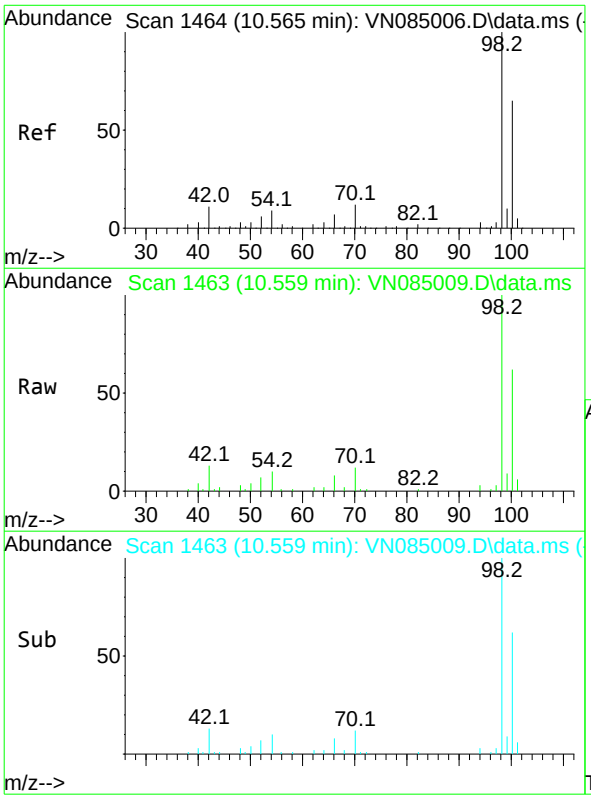
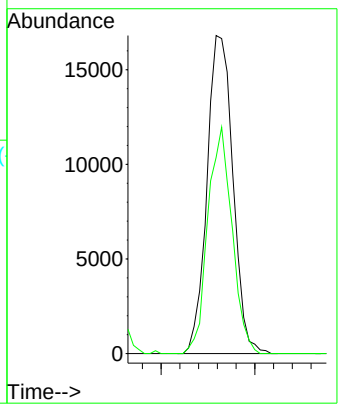


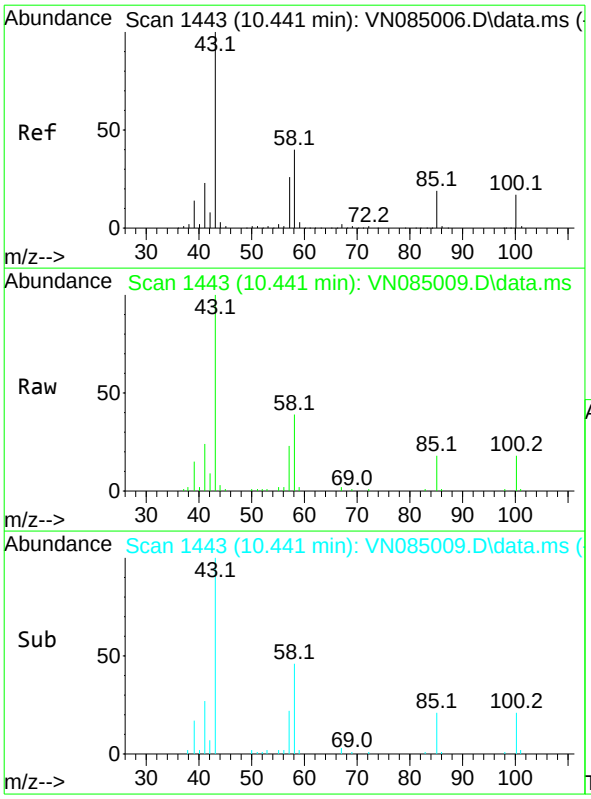


#50
Toluene-d8
Concen: 4.775 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 98 Resp: 32318

Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.5	78.7

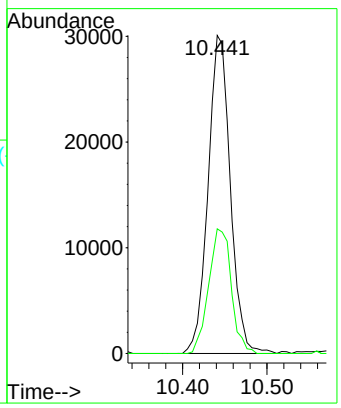




#51
4-Methyl-2-Pentanone
Concen: 25.010 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 43 Resp: 55176

Ion	Ratio	Lower	Upper
43	100		
58	39.8	32.1	48.1



Instrument :
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ClientSampleId :
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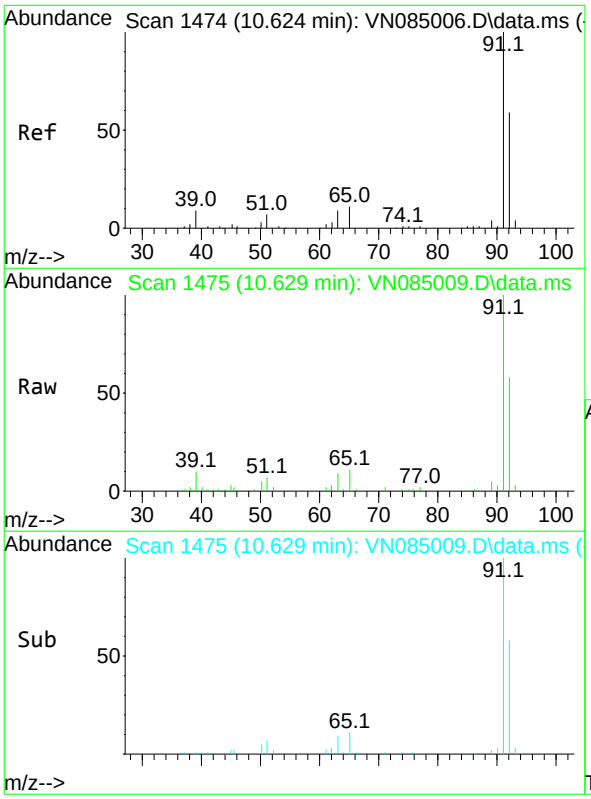
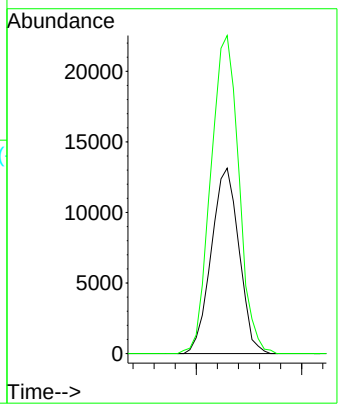
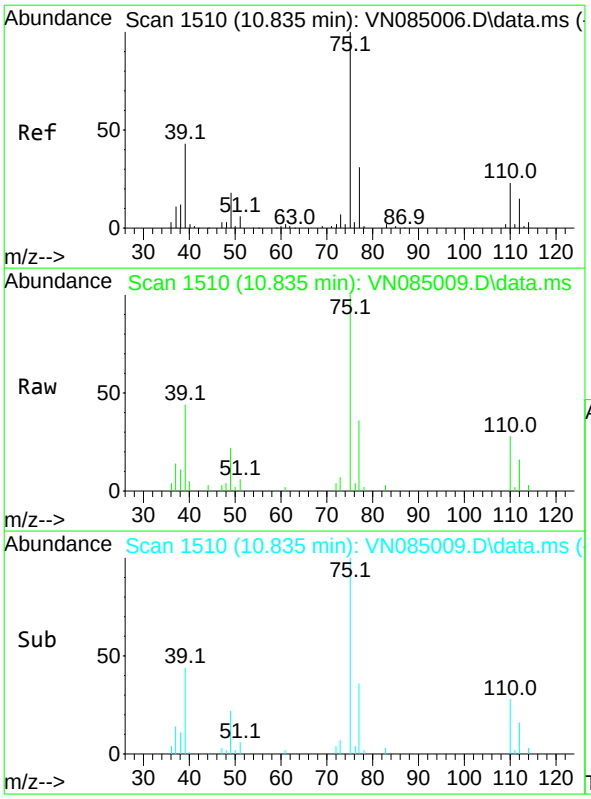


#52
Toluene
Concen: 5.022 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 92 Resp: 24051

Ion	Ratio	Lower	Upper
92	100		
91	173.6	136.7	205.1

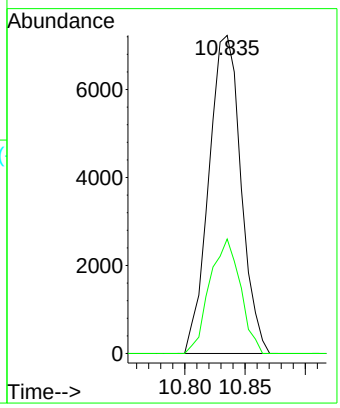




#53
t-1,3-Dichloropropene
Concen: 4.559 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 75 Resp: 13412

Ion	Ratio	Lower	Upper
75	100		
77	36.0	25.0	37.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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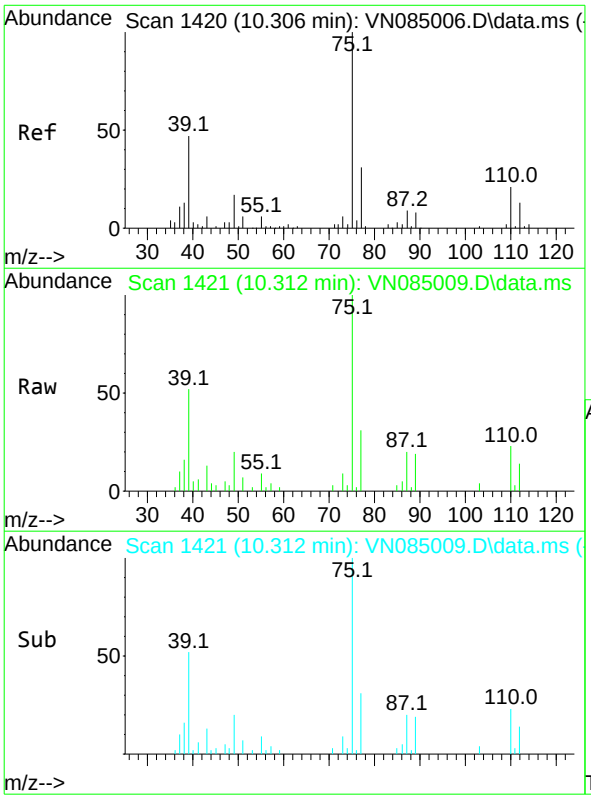
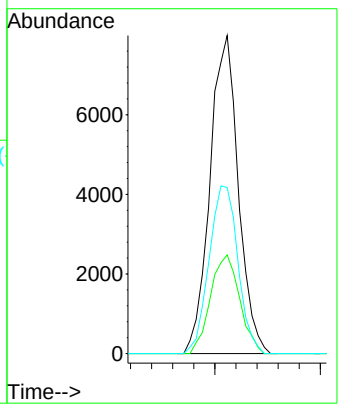
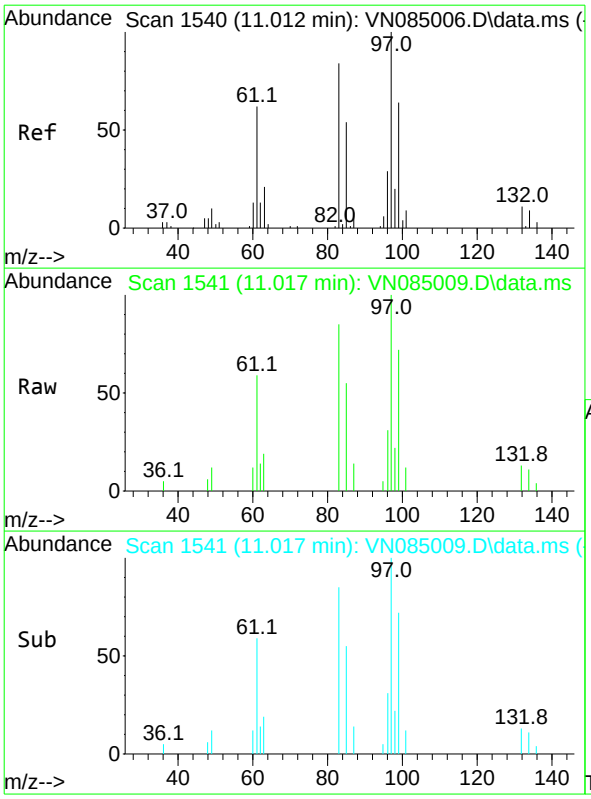


#54
cis-1,3-Dichloropropene
Concen: 4.779 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 75 Resp: 14917

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.0	37.4
39	52.2	37.6	56.4

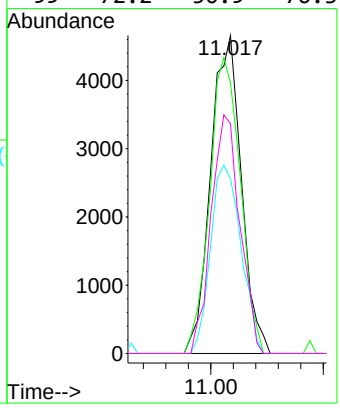




#55
1,1,2-Trichloroethane
Concen: 4.928 ug/l
RT: 11.017 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 97 Resp: 8791

Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.4	101.2
85	55.0	43.1	64.7
99	72.2	50.9	76.3



Instrument :
MSVOA_N
ClientSampleId :
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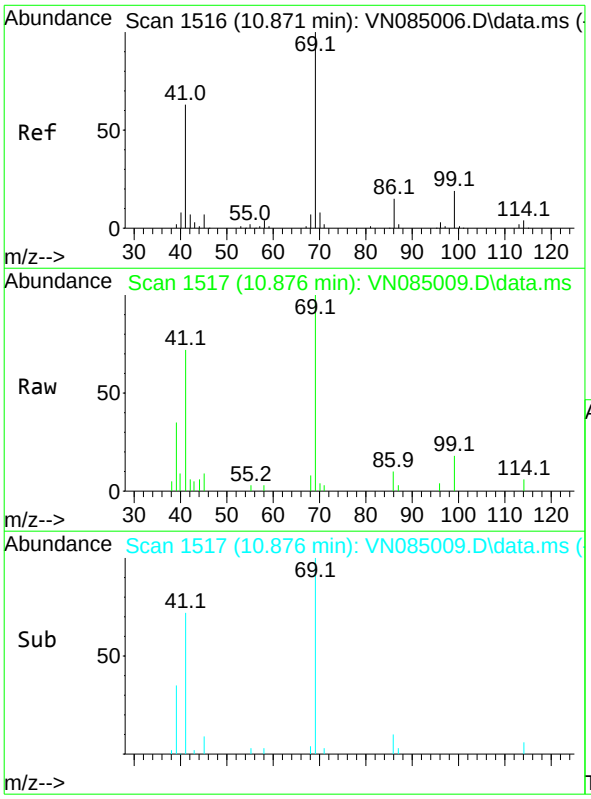
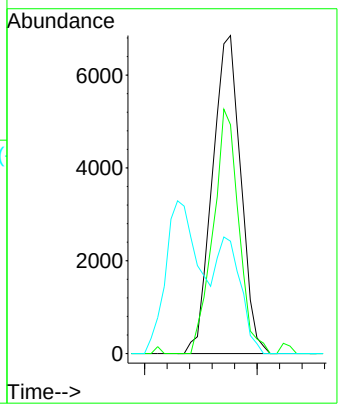
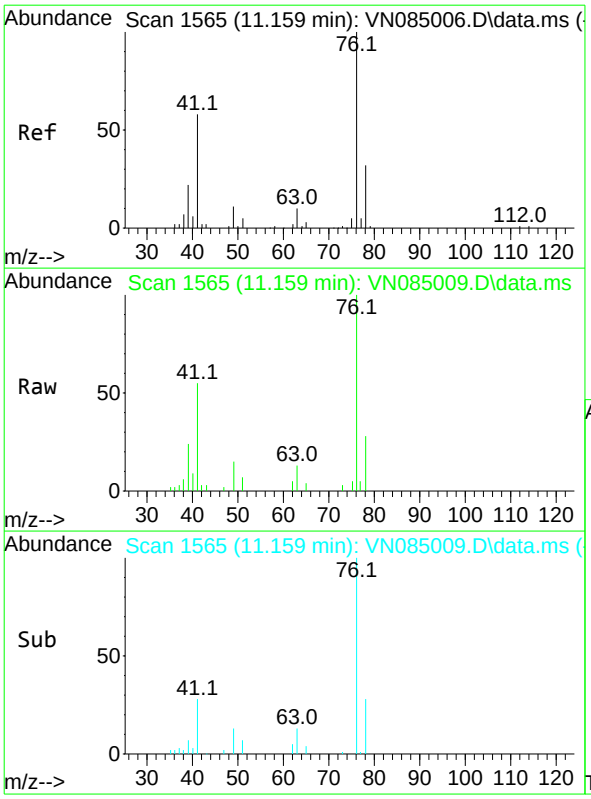


#56
Ethyl methacrylate
Concen: 4.605 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 69 Resp: 12004

Ion	Ratio	Lower	Upper
69	100		
41	69.4	50.0	75.0
39	31.3	27.0	40.6

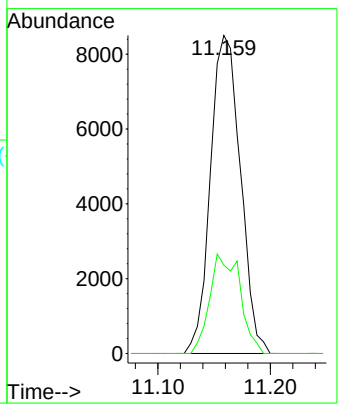




#57
1,3-Dichloropropane
Concen: 5.012 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 76 Resp: 15736

Ion	Ratio	Lower	Upper
76	100		
78	31.7	26.1	39.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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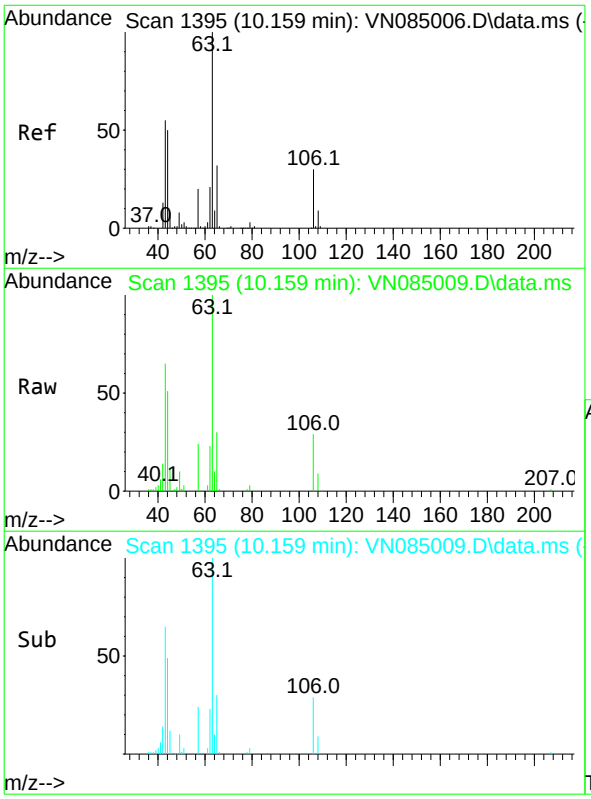
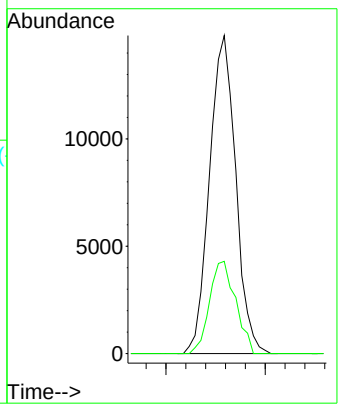
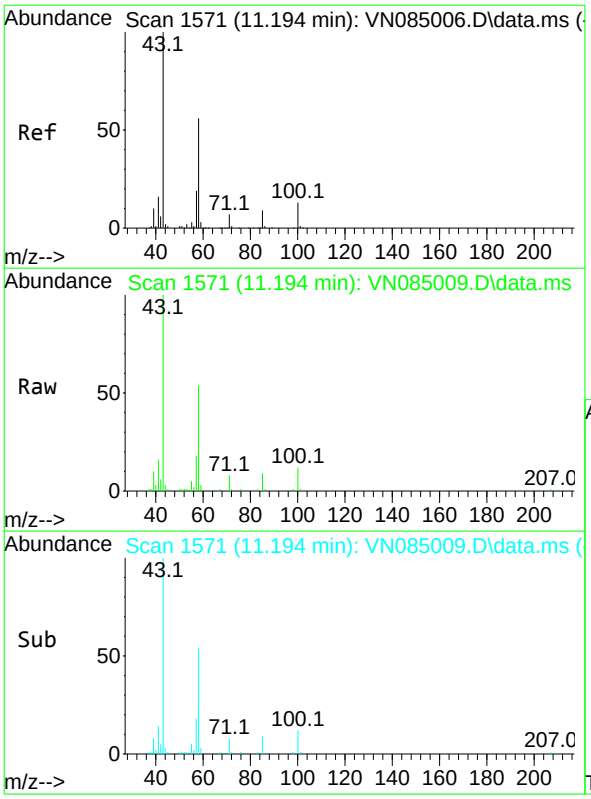


#58
2-Chloroethyl Vinyl ether
Concen: 21.254 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 63 Resp: 27177

Ion	Ratio	Lower	Upper
63	100		
106	28.8	23.0	34.6

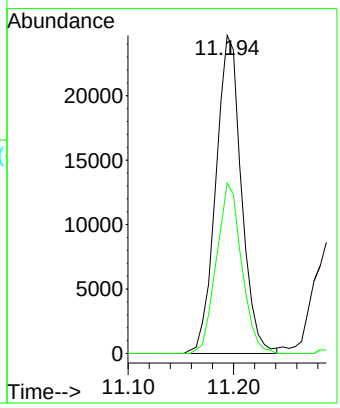




#59
2-Hexanone
Concen: 25.237 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 43 Resp: 41641

Ion	Ratio	Lower	Upper
43	100		
58	52.8	28.3	85.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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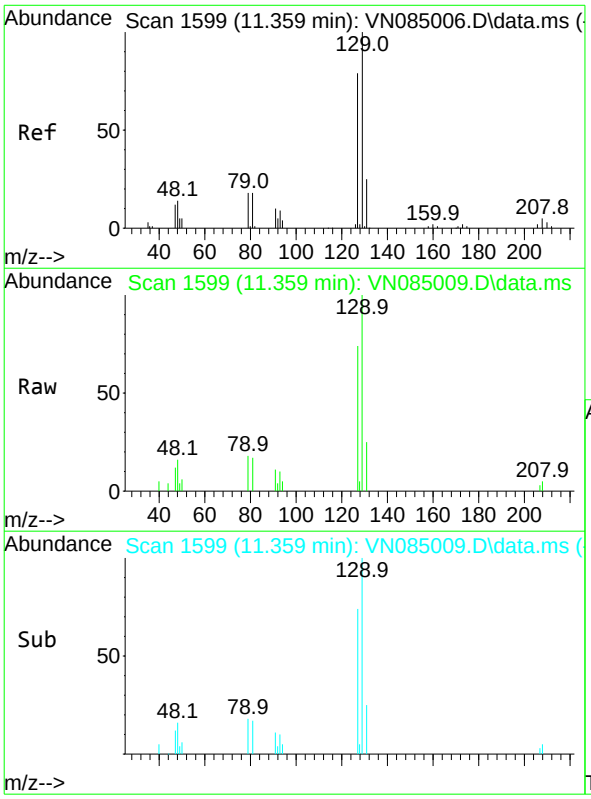
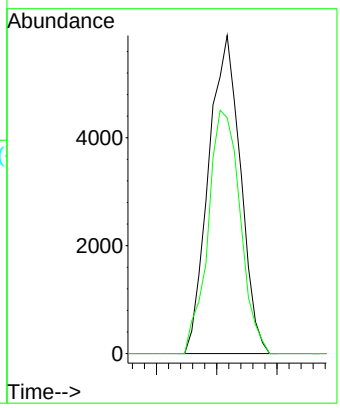
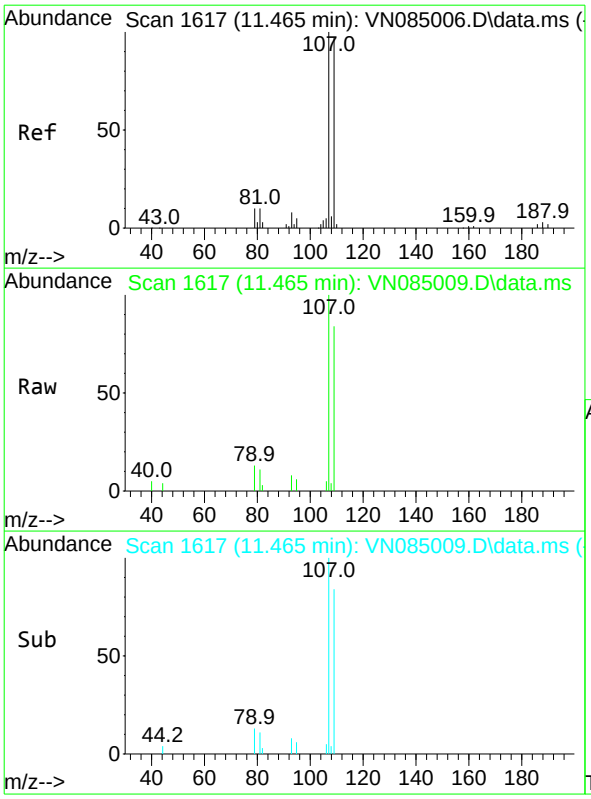


#60
Dibromochloromethane
Concen: 4.974 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:129 Resp: 10844

Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.2	117.6

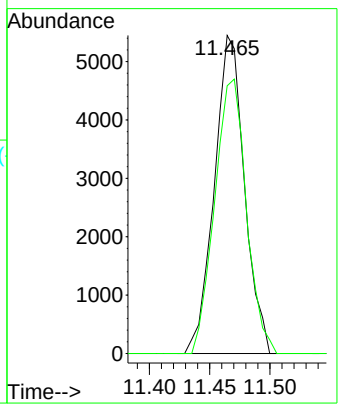




#61
1,2-Dibromoethane
Concen: 5.128 ug/l
RT: 11.465 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:107 Resp: 9468

Ion	Ratio	Lower	Upper
107	100		
109	90.8	76.1	114.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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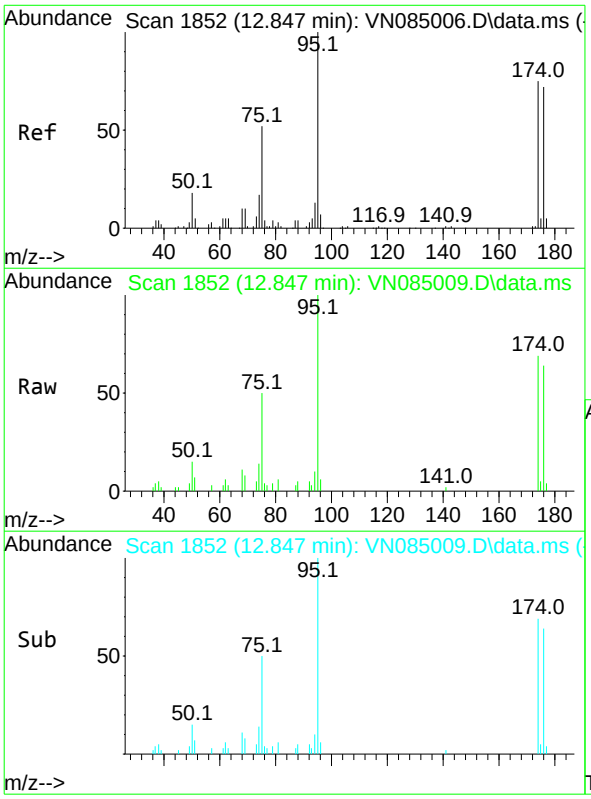
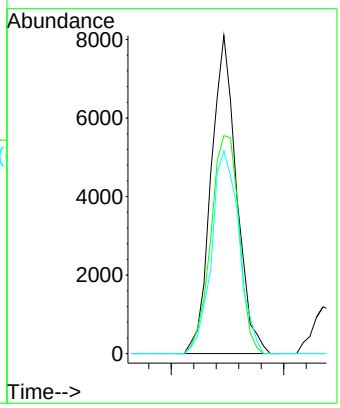
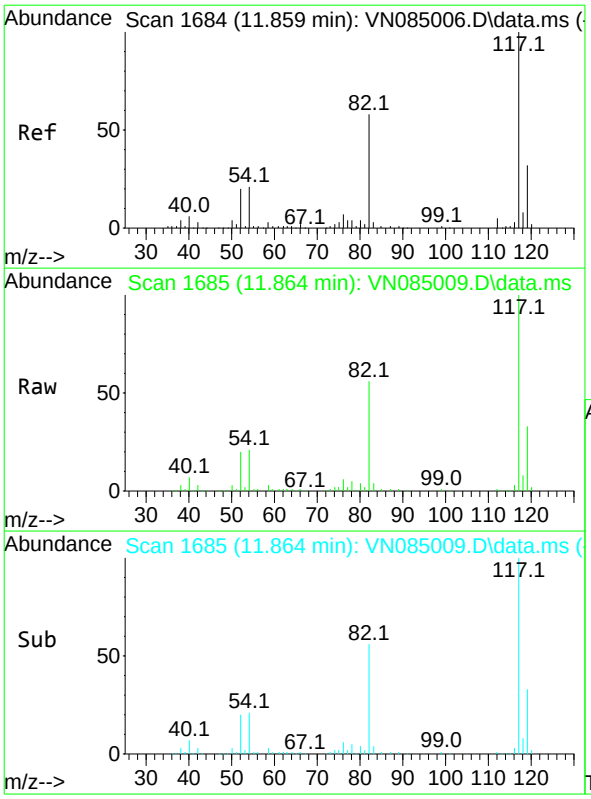


#62
4-Bromofluorobenzene
Concen: 5.024 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 95 Resp: 12715

Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	146.6
176	68.8	0.0	141.8

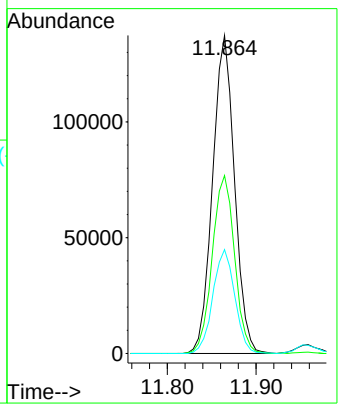




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:117 Resp: 235767

Ion	Ratio	Lower	Upper
117	100		
82	55.9	46.0	69.0
119	32.7	25.6	38.4



Instrument :
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ClientSampleId :
VSTDICC005

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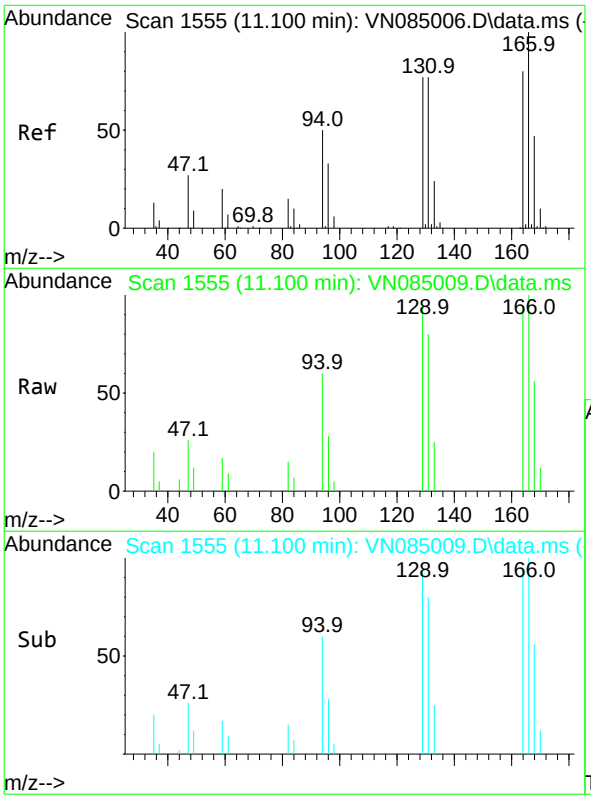
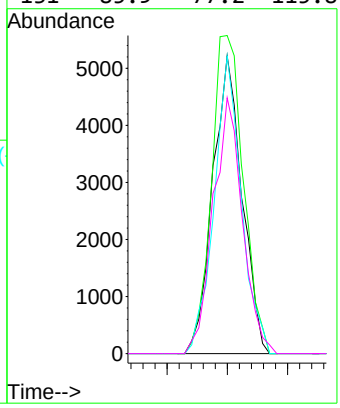
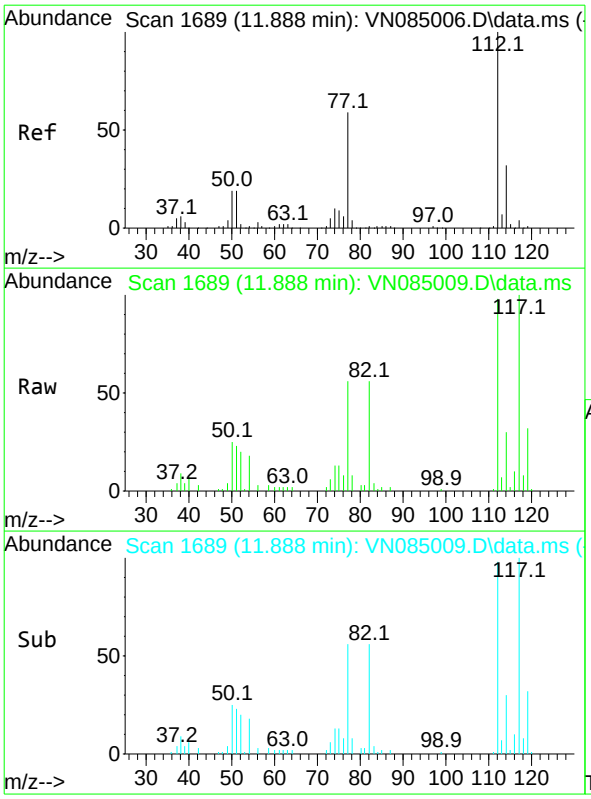


#64
Tetrachloroethene
Concen: 5.556 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:164 Resp: 8826

Ion	Ratio	Lower	Upper
164	100		
166	106.8	100.6	151.0
129	99.9	77.7	116.5
131	85.9	77.2	115.8

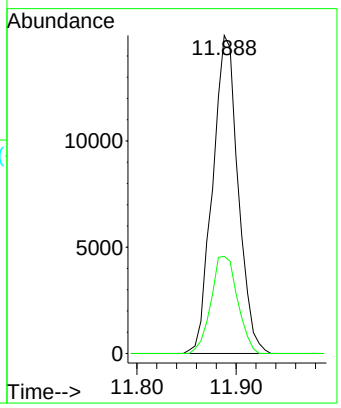




#65
Chlorobenzene
Concen: 4.997 ug/l
RT: 11.888 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:112 Resp: 26717

Ion	Ratio	Lower	Upper
112	100		
114	30.6	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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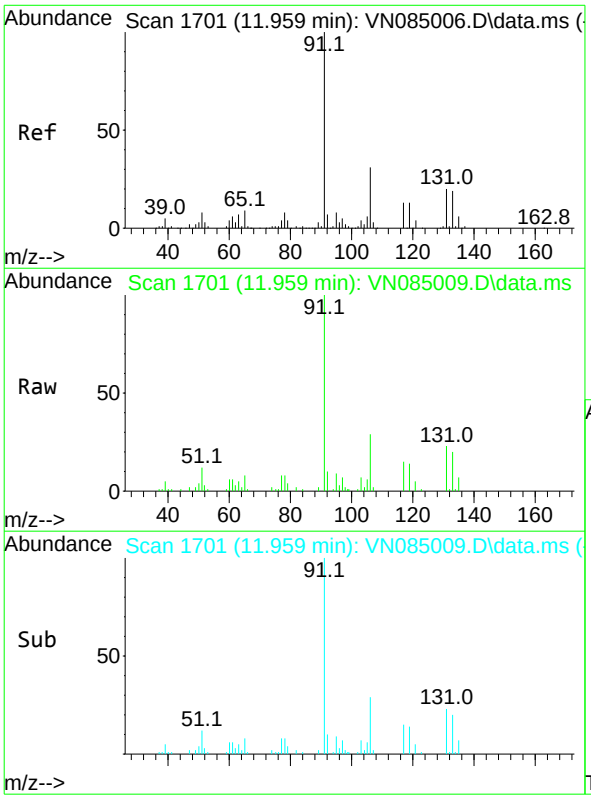
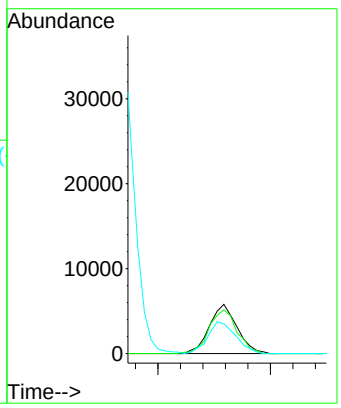
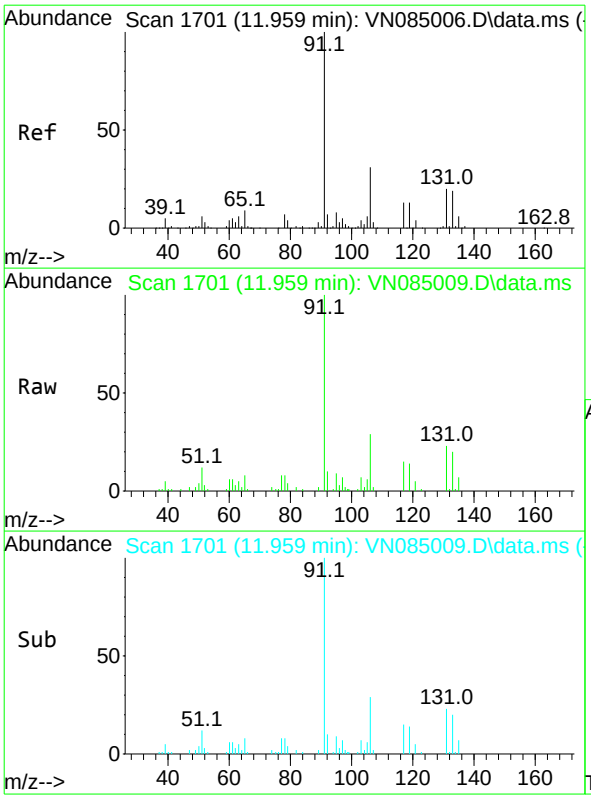


#66
1,1,1,2-Tetrachloroethane
Concen: 5.261 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:131 Resp: 9904

Ion	Ratio	Lower	Upper
131	100		
133	89.9	47.8	143.4
119	65.0	32.1	96.3

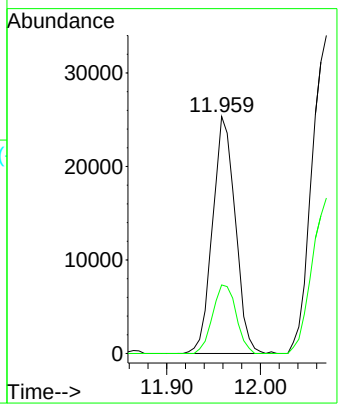




#67
Ethyl Benzene
Concen: 4.916 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 91 Resp: 42642

Ion	Ratio	Lower	Upper
91	100		
106	28.9	24.7	37.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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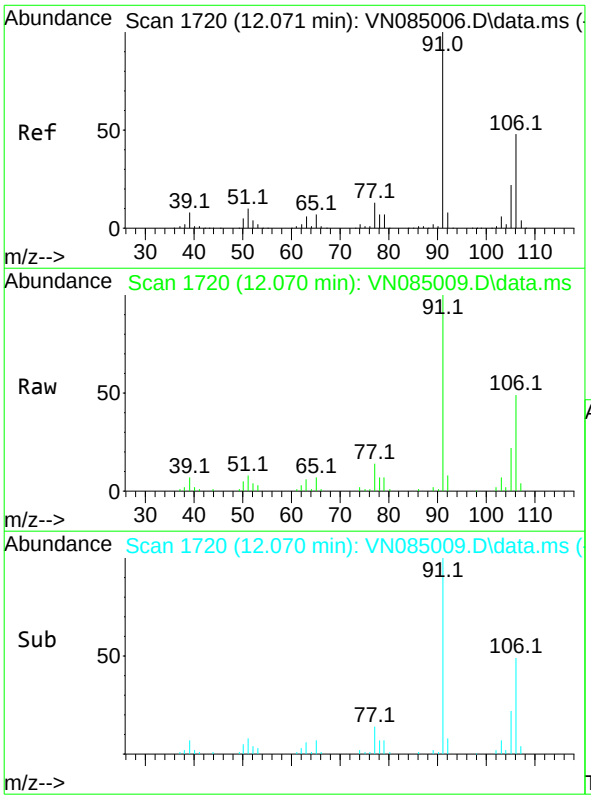
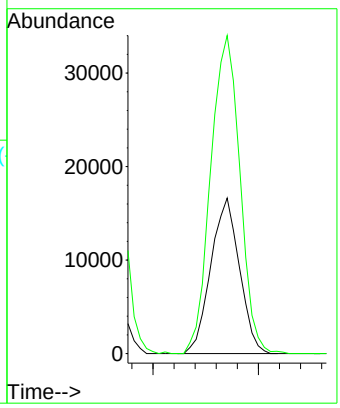
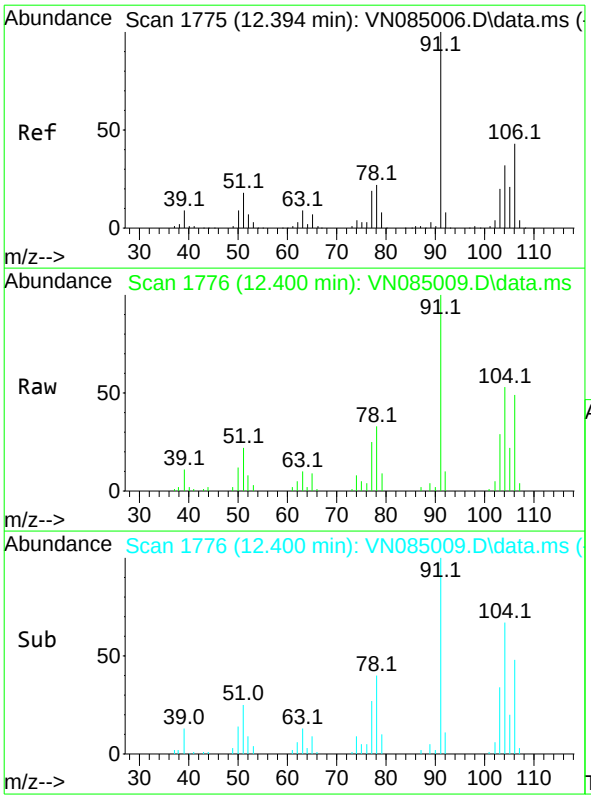


#68
m/p-Xylenes
Concen: 9.514 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:106 Resp: 31421

Ion	Ratio	Lower	Upper
106	100		
91	208.8	168.0	252.0

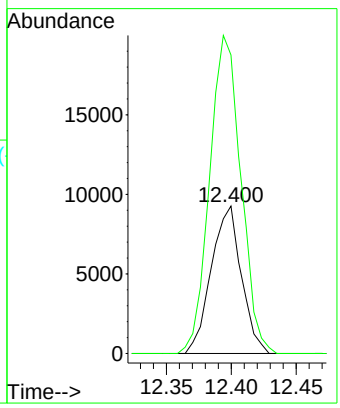




#69
o-Xylene
Concen: 4.754 ug/l
RT: 12.400 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:106 Resp: 14935

Ion	Ratio	Lower	Upper
106	100		
91	224.5	110.7	331.9



Instrument :
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ClientSampleId :
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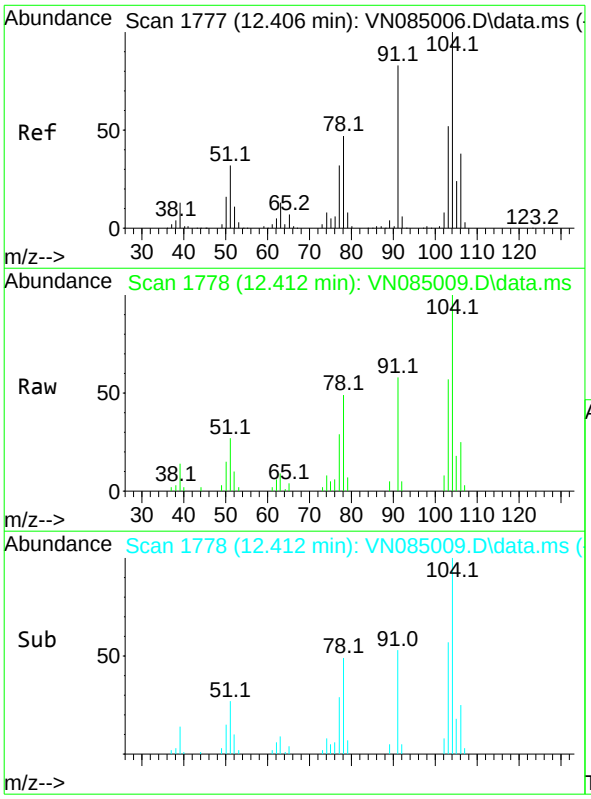
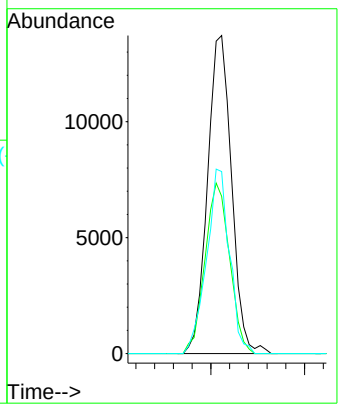
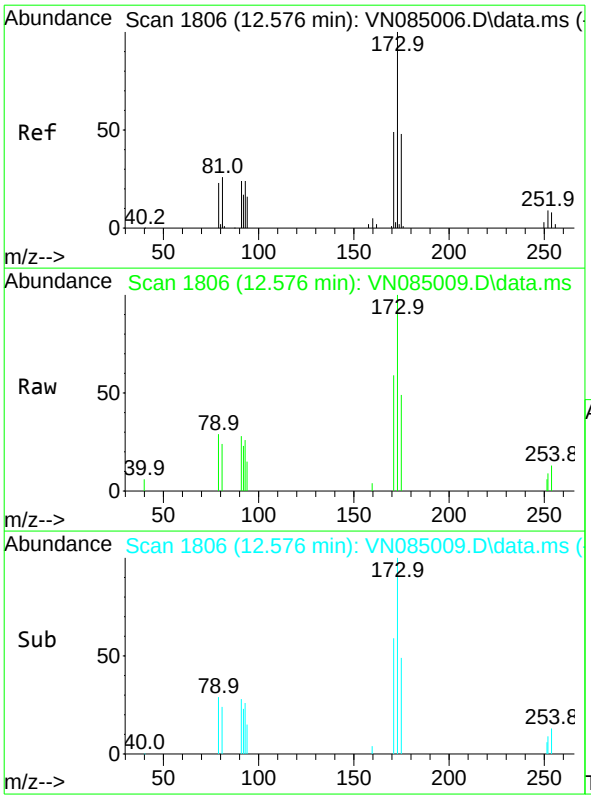


#70
Styrene
Concen: 4.686 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:104 Resp: 24480

Ion	Ratio	Lower	Upper
104	100		
78	54.8	42.3	63.5
103	55.3	44.2	66.2

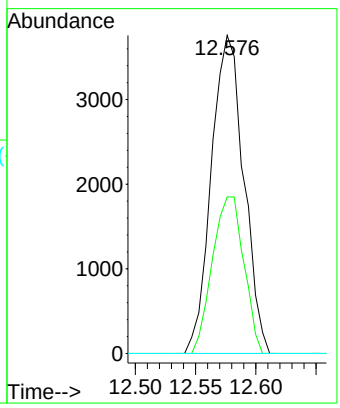




#71
Bromoform
Concen: 5.038 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:173 Resp: 7040

Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.8	71.2
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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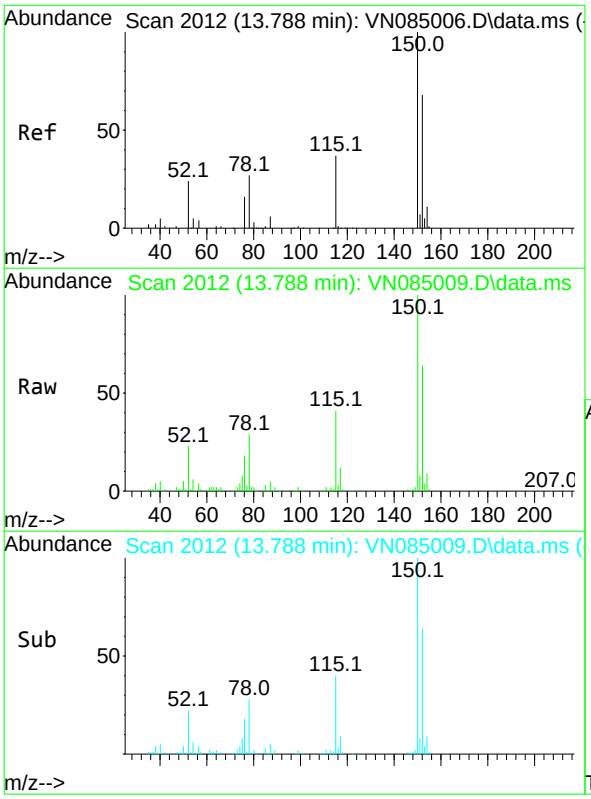
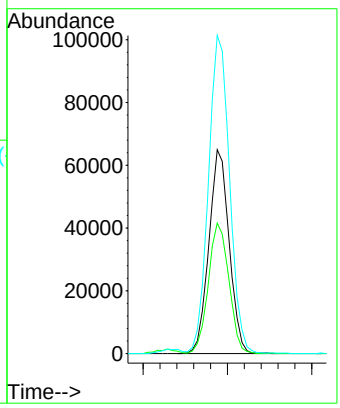
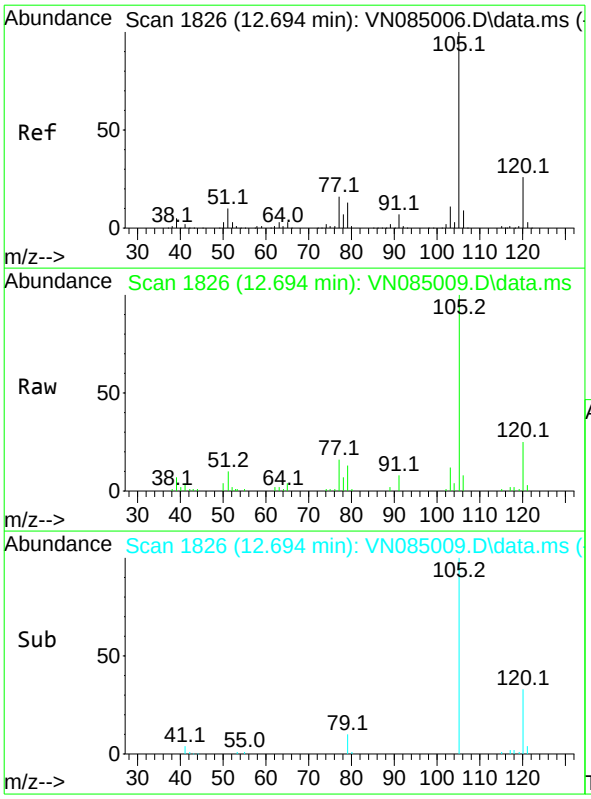


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:152 Resp: 108389

Ion	Ratio	Lower	Upper
152	100		
115	64.7	31.7	95.1
150	162.8	0.0	351.4

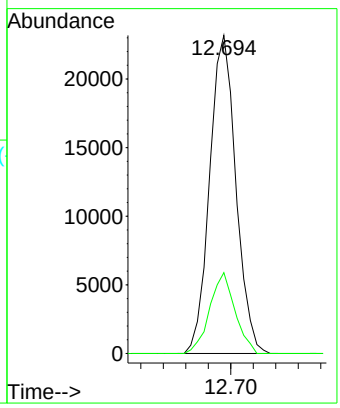




#73
Isopropylbenzene
Concen: 4.910 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:105 Resp: 37544

Ion	Ratio	Lower	Upper
105	100		
120	24.6	13.0	39.0



Instrument :
MSVOA_N
ClientSampleId :
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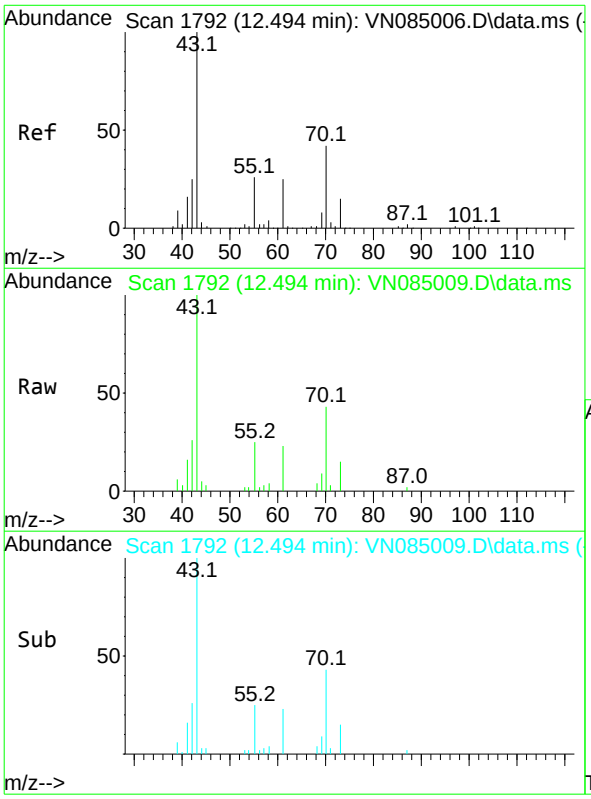
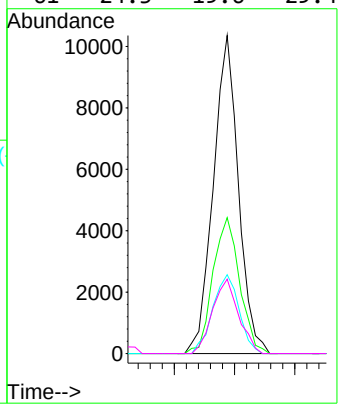
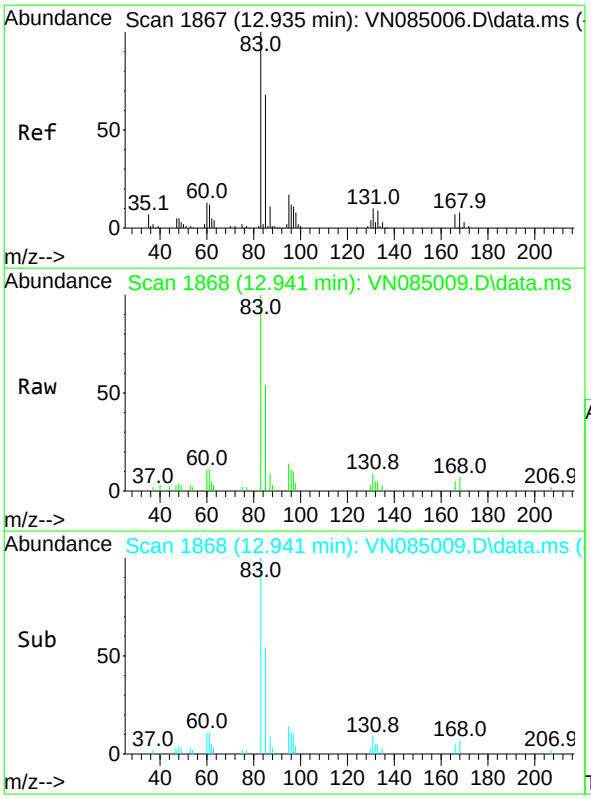


#74
N-amyl acetate
Concen: 4.759 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 43 Resp: 14995

Ion	Ratio	Lower	Upper
43	100		
70	45.3	34.6	51.8
55	26.0	20.5	30.7
61	24.3	19.6	29.4

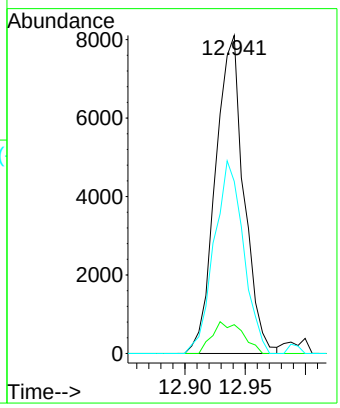




#75
1,1,2,2-Tetrachloroethane
Concen: 5.109 ug/l
RT: 12.941 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 83 Resp: 13341

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.1	15.4
85	62.6	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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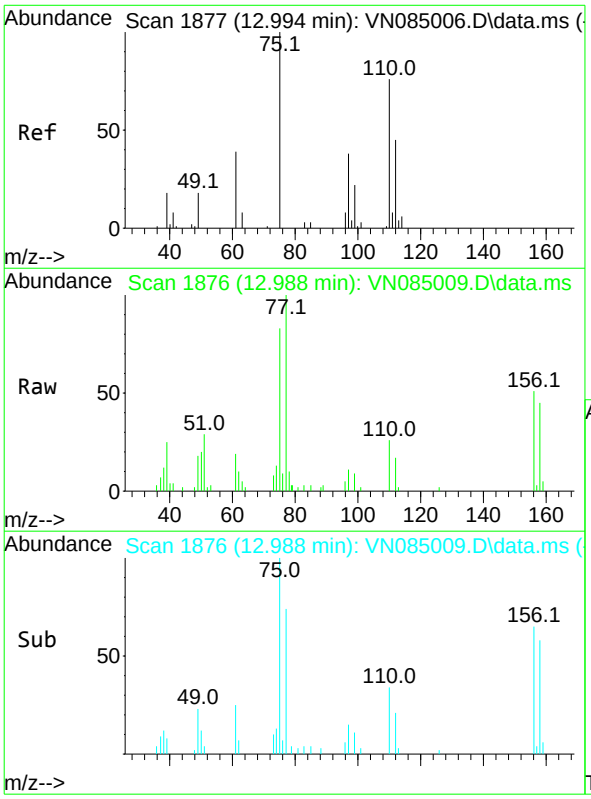
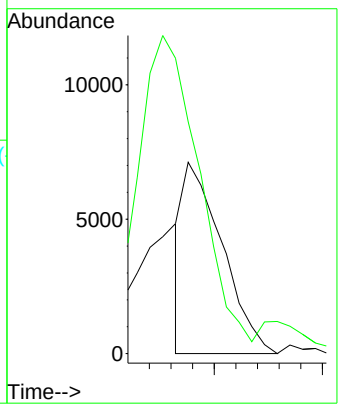
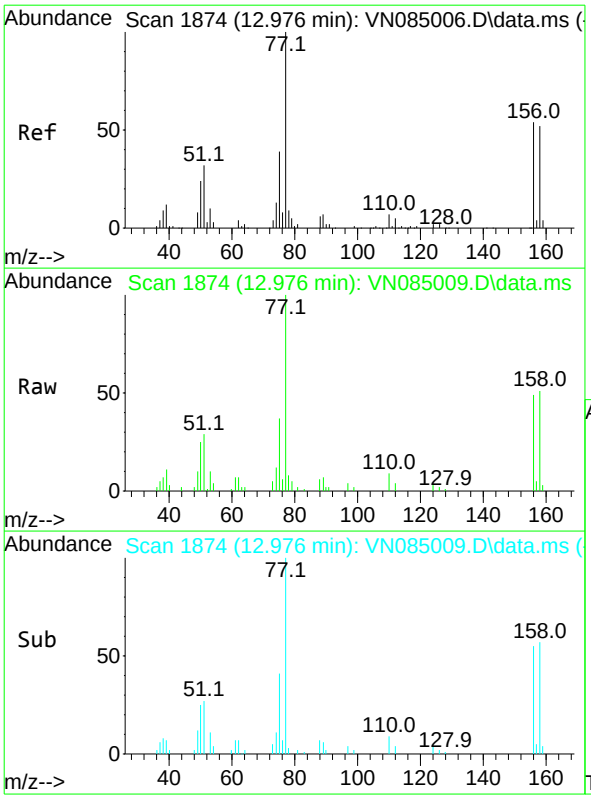


#76
1,2,3-Trichloropropane
Concen: 4.393 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 75 Resp: 8907

Ion	Ratio	Lower	Upper
75	100		
77	269.2	109.1	327.4

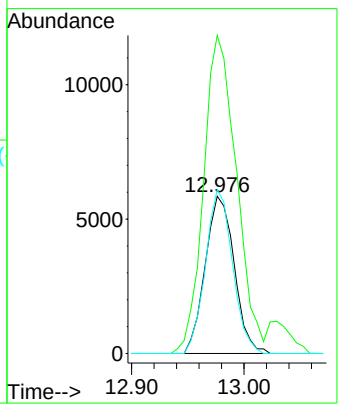




#77
Bromobenzene
Concen: 5.095 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:156 Resp: 10485

Ion	Ratio	Lower	Upper
156	100		
77	228.7	107.2	321.6
158	97.2	48.5	145.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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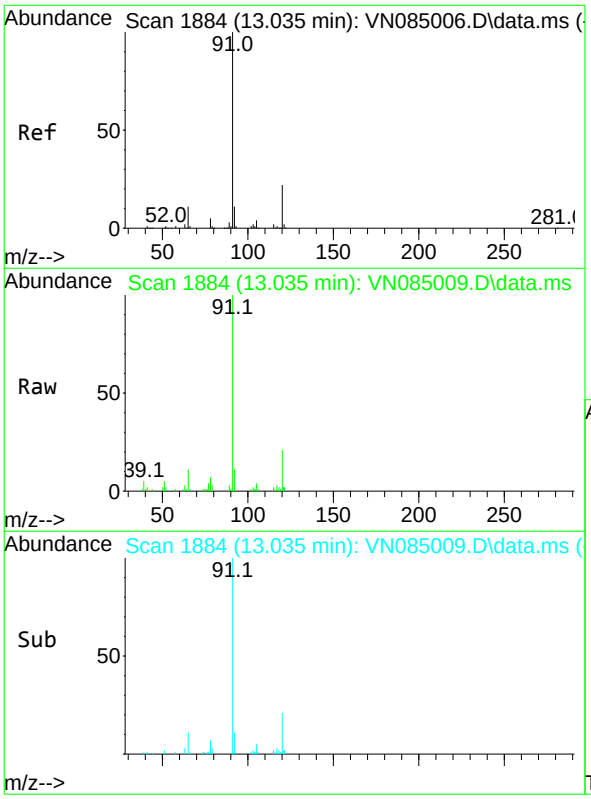
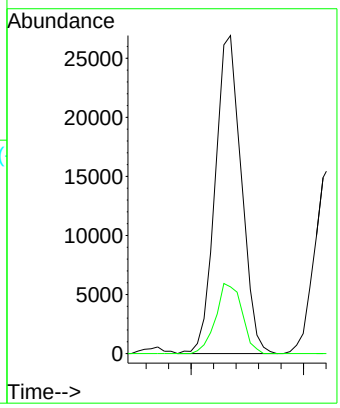
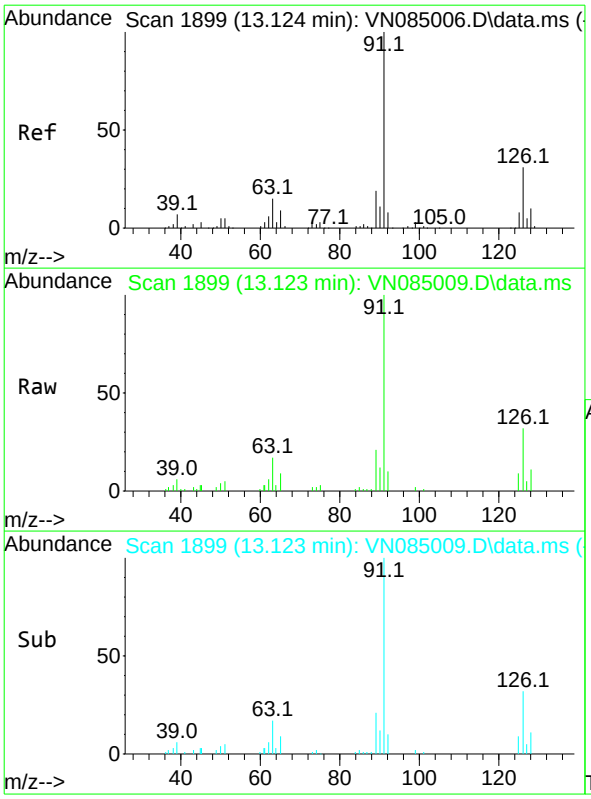


#78
n-propylbenzene
Concen: 4.931 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 91 Resp: 43493

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.3	33.9

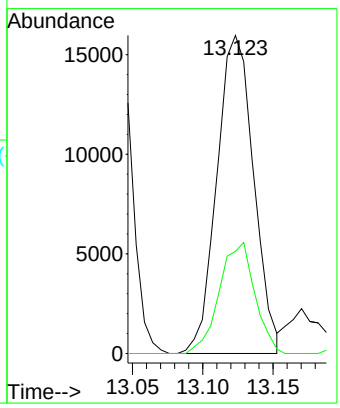




#79
2-Chlorotoluene
Concen: 4.932 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 91 Resp: 29037

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.1	48.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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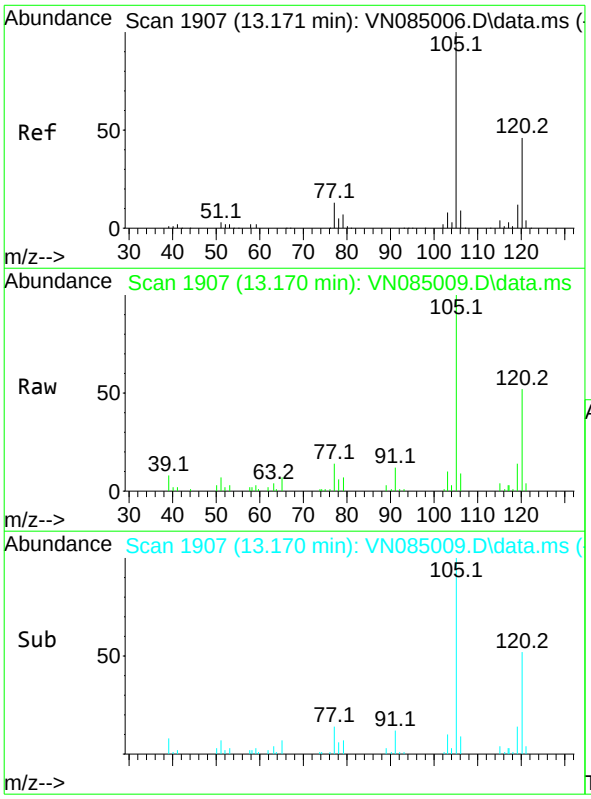
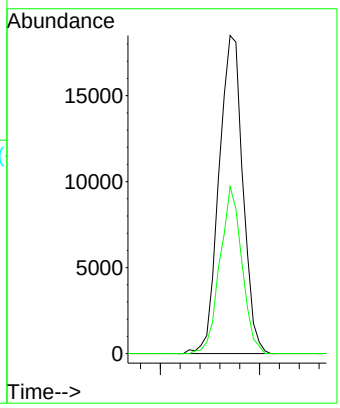
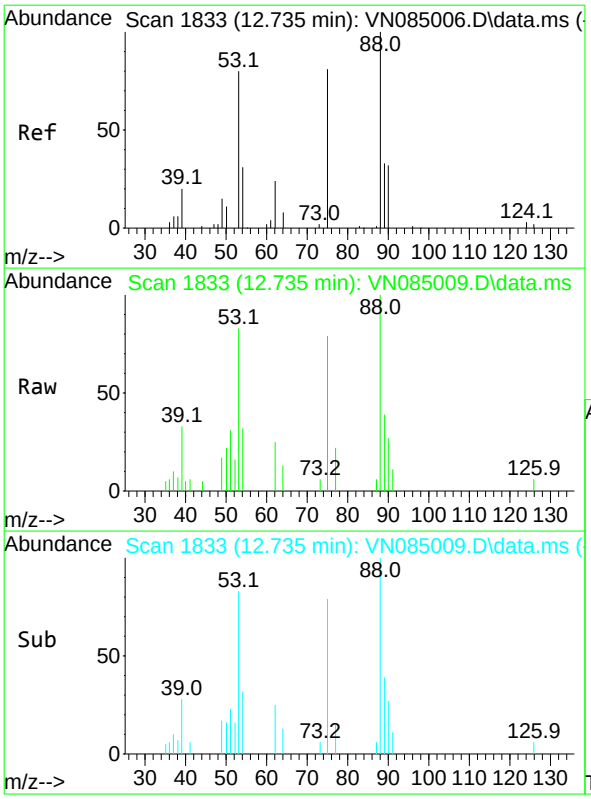


#80
1,3,5-Trimethylbenzene
Concen: 4.802 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:105 Resp: 30809

Ion	Ratio	Lower	Upper
105	100		
120	48.4	23.6	71.0

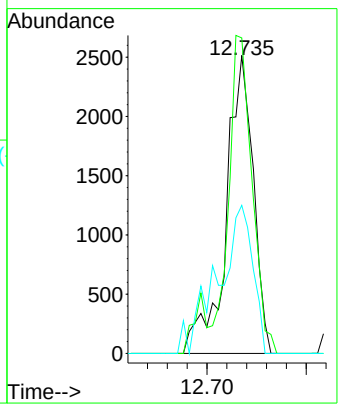




#81
trans-1,4-Dichloro-2-butene
Concen: 5.502 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 75 Resp: 4774

Ion	Ratio	Lower	Upper
75	100		
53	92.4	78.2	117.4
89	64.5	37.9	56.9#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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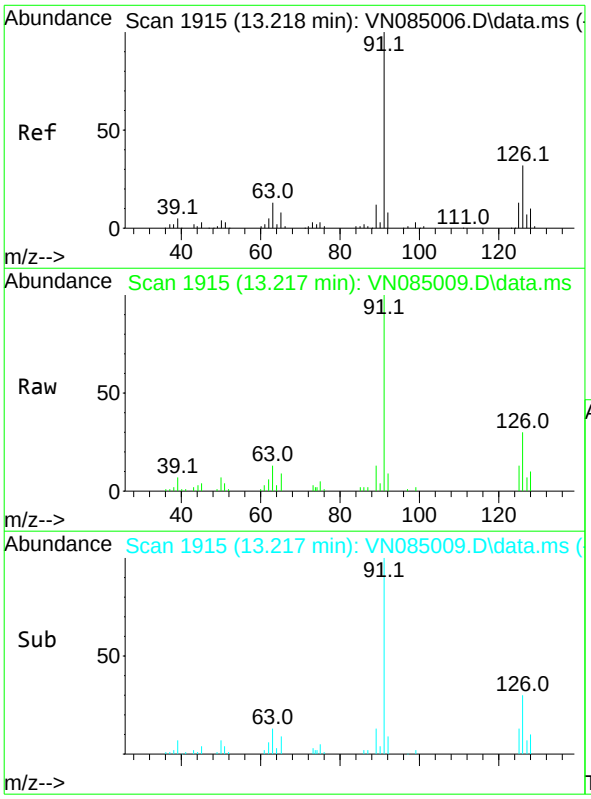
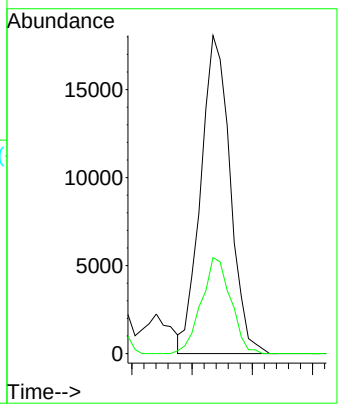
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

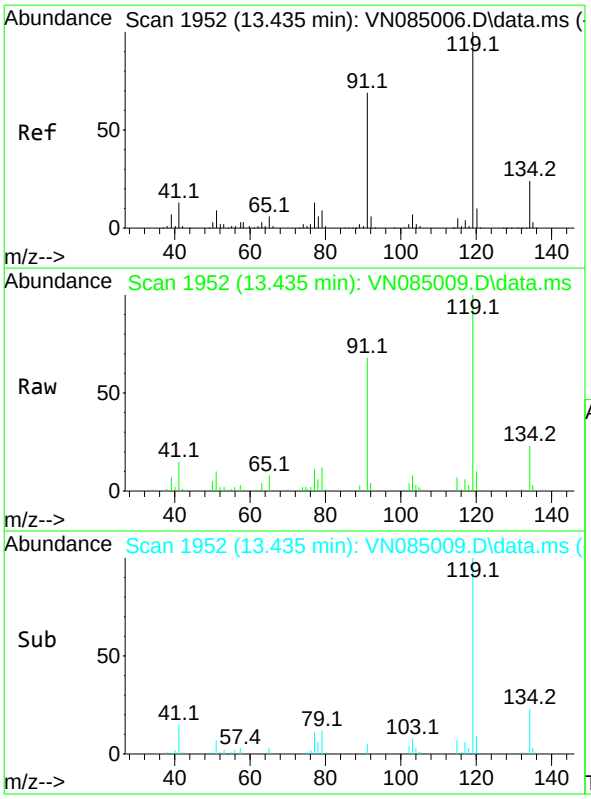


#82
4-Chlorotoluene
Concen: 4.986 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 91 Resp: 30558

Ion	Ratio	Lower	Upper
91	100		
126	30.2	16.1	48.3

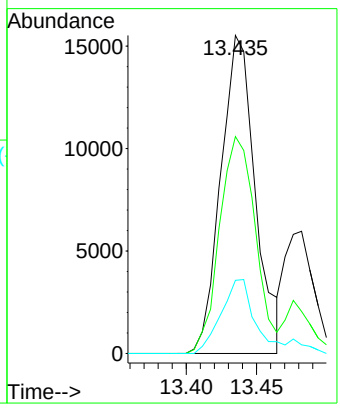




#83
tert-Butylbenzene
Concen: 4.797 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:119 Resp: 26485

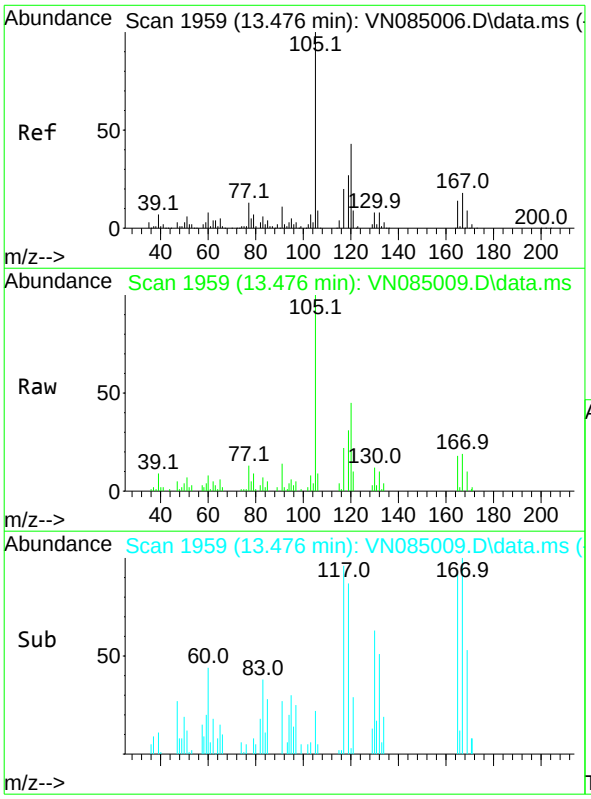
Ion	Ratio	Lower	Upper
119	100		
91	71.1	35.1	105.5
134	22.9	12.1	36.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

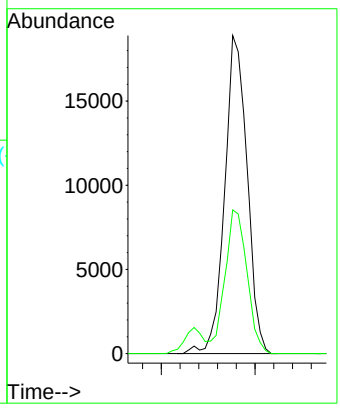
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

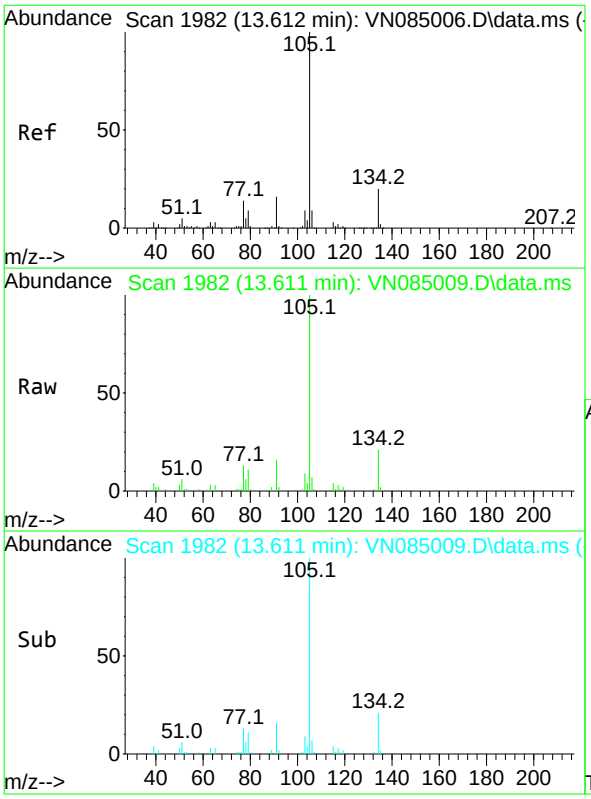


#84
1,2,4-Trimethylbenzene
Concen: 4.743 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:105 Resp: 31328

Ion	Ratio	Lower	Upper
105	100		
120	45.0	21.8	65.4

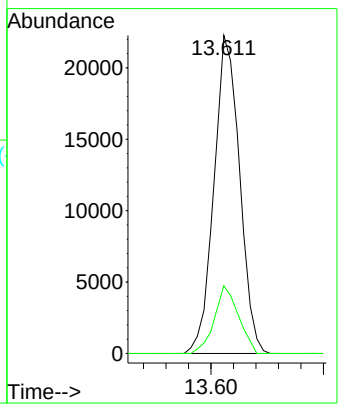




#85
sec-Butylbenzene
Concen: 4.718 ug/l
RT: 13.611 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:105 Resp: 35183

Ion	Ratio	Lower	Upper
105	100		
134	20.0	9.8	29.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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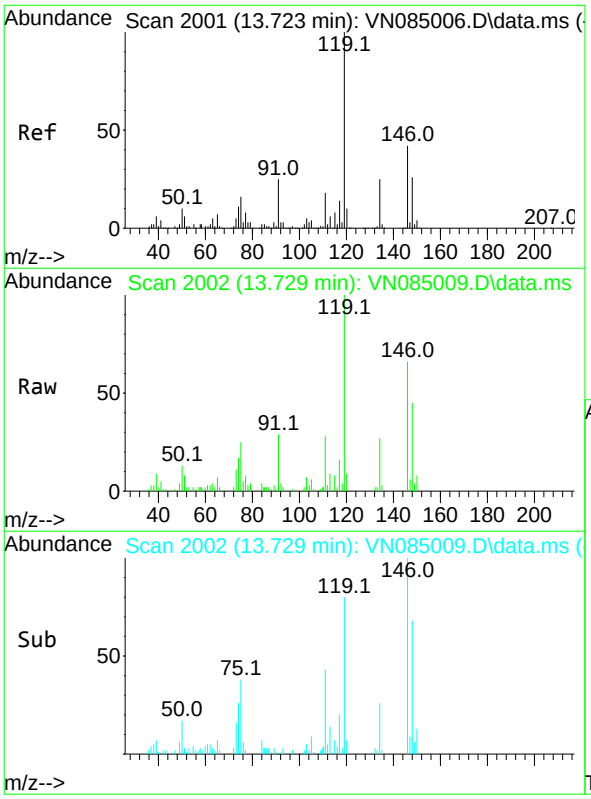
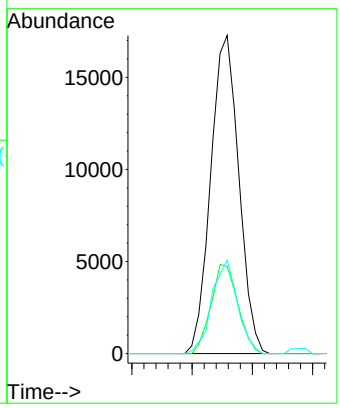
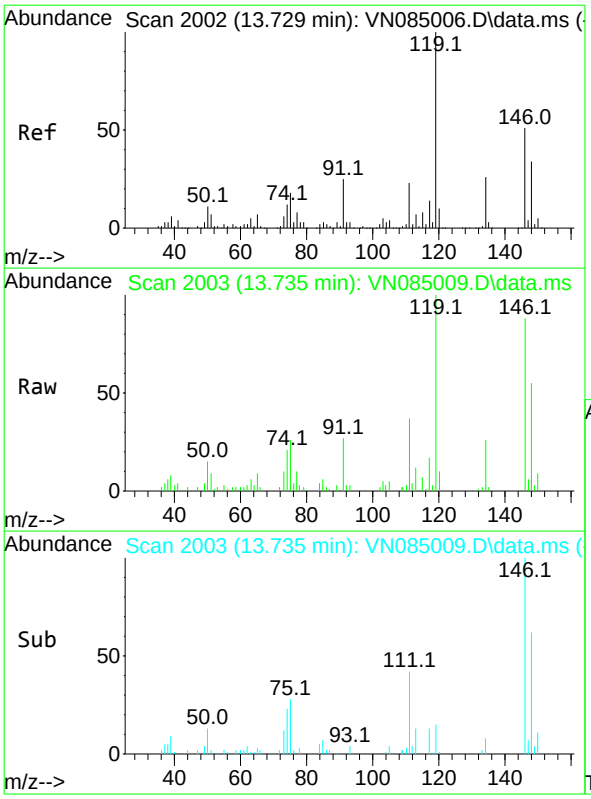


#86
p-Isopropyltoluene
Concen: 4.551 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:119 Resp: 28019

Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.0	39.0
91	27.0	12.8	38.4

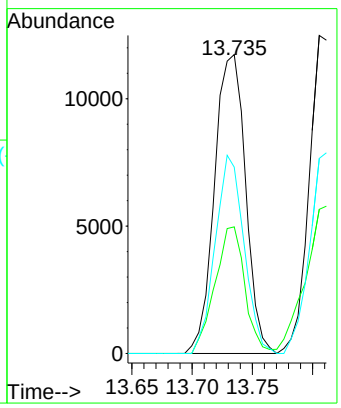




#87
1,3-Dichlorobenzene
Concen: 5.185 ug/l
RT: 13.735 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:146 Resp: 21043

Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.6	65.0
148	61.6	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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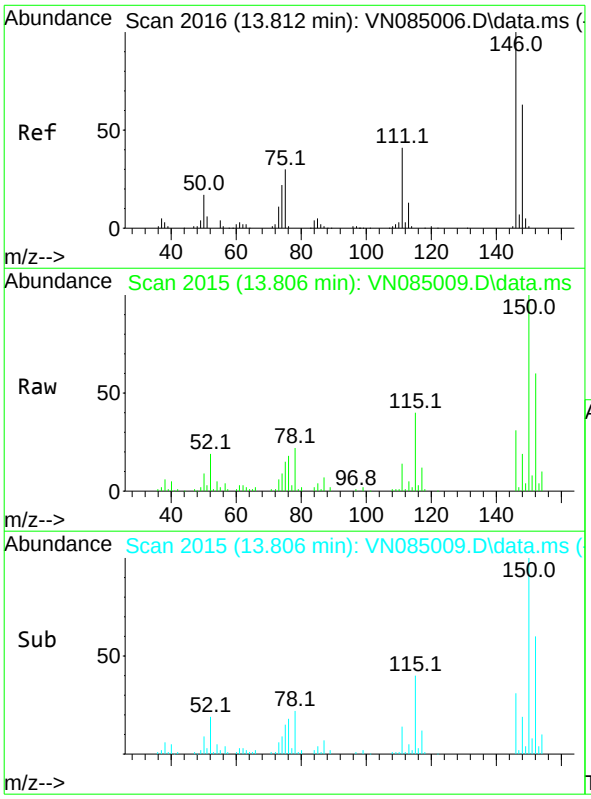
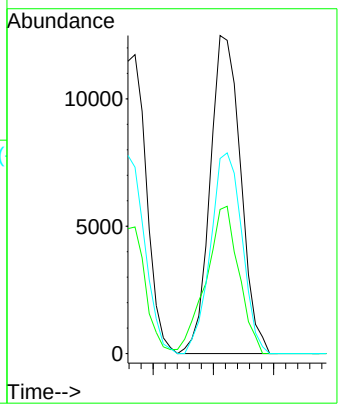
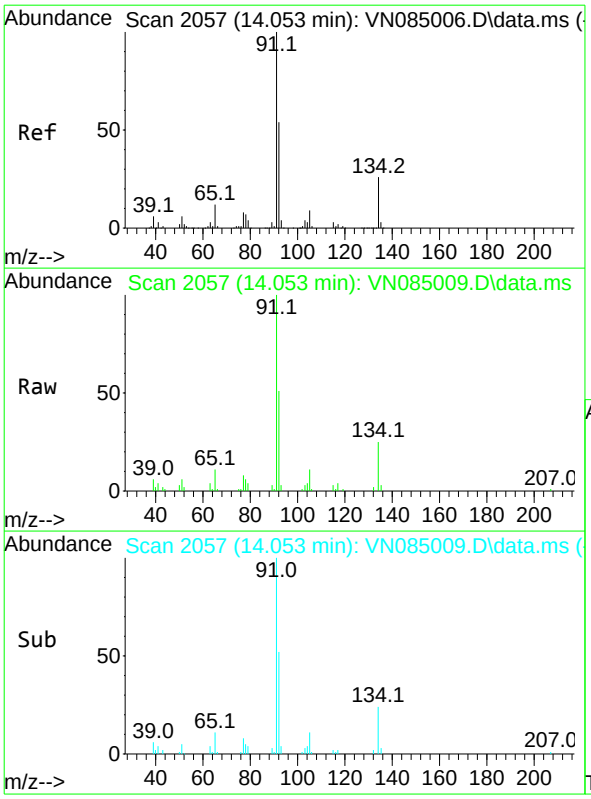


#88
1,4-Dichlorobenzene
Concen: 5.322 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:146 Resp: 22041

Ion	Ratio	Lower	Upper
146	100		
111	49.8	20.9	62.8
148	65.0	31.3	93.9

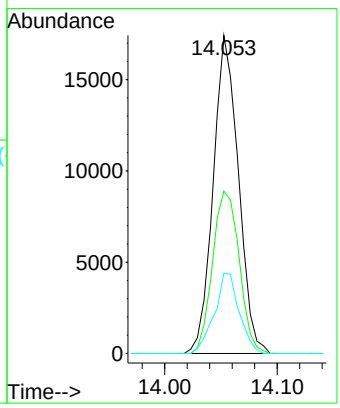




#89
n-Butylbenzene
Concen: 4.732 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 91 Resp: 27093

Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.8	80.3
134	24.9	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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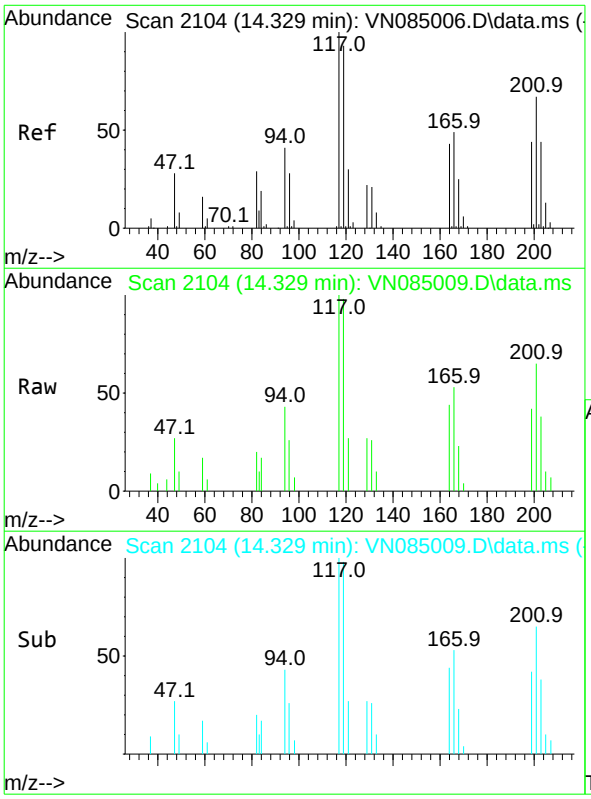
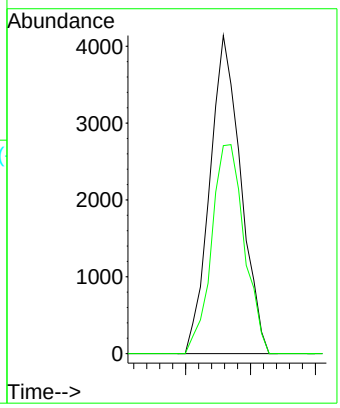
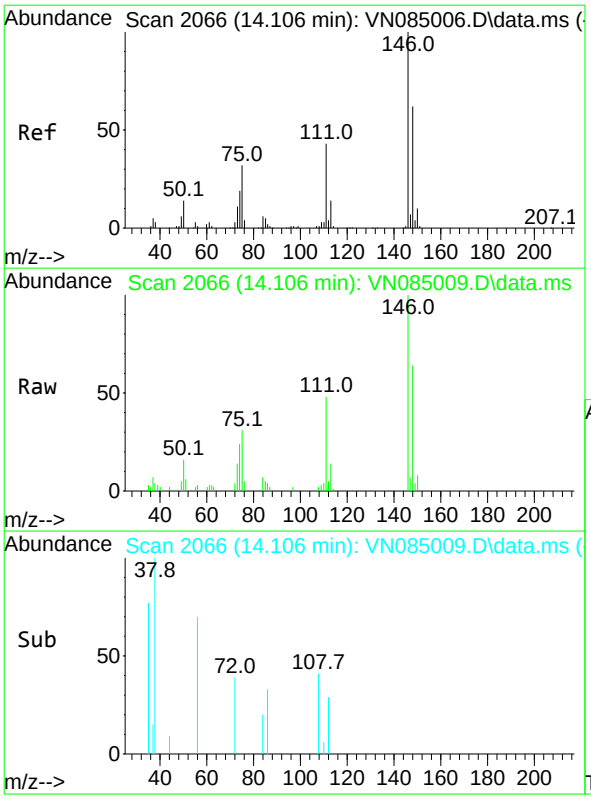


#90
Hexachloroethane
Concen: 5.119 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:117 Resp: 6869

Ion	Ratio	Lower	Upper
117	100		
201	69.4	35.2	105.6

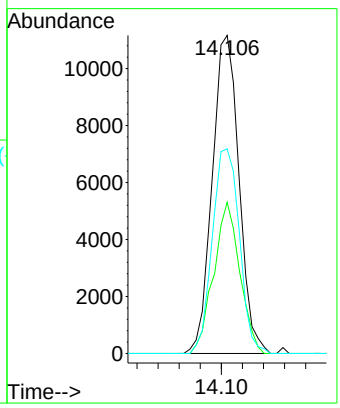




#91
1,2-Dichlorobenzene
Concen: 5.058 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:146 Resp: 19670

Ion	Ratio	Lower	Upper
146	100		
111	46.4	21.9	65.8
148	65.1	31.1	93.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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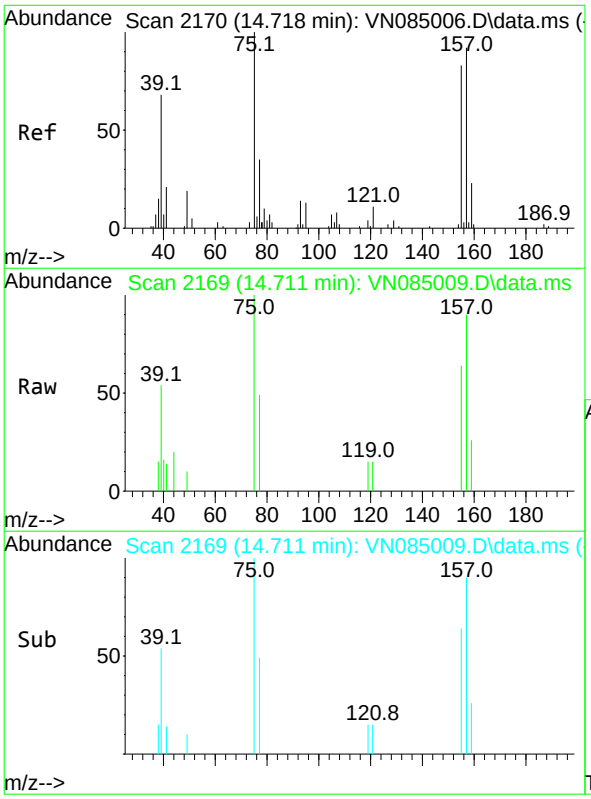
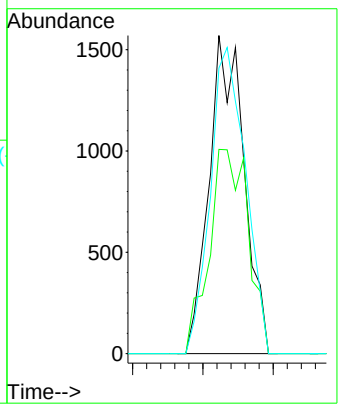
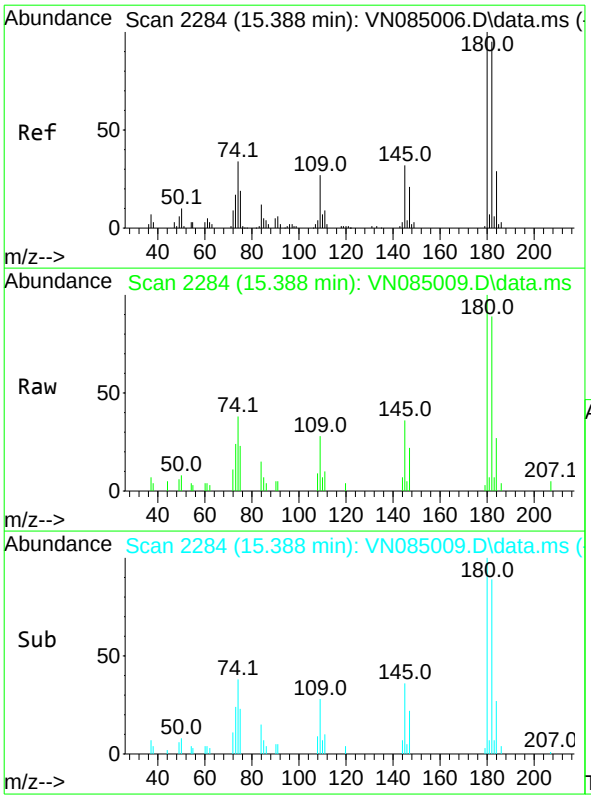


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.353 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 75 Resp: 2703

Ion	Ratio	Lower	Upper
75	100		
155	71.9	38.9	116.7
157	97.4	48.3	144.9

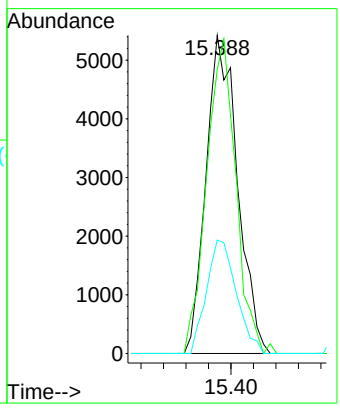




#93
1,2,4-Trichlorobenzene
Concen: 4.992 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:180 Resp: 10547

Ion	Ratio	Lower	Upper
180	100		
182	92.0	46.9	140.8
145	33.7	16.3	48.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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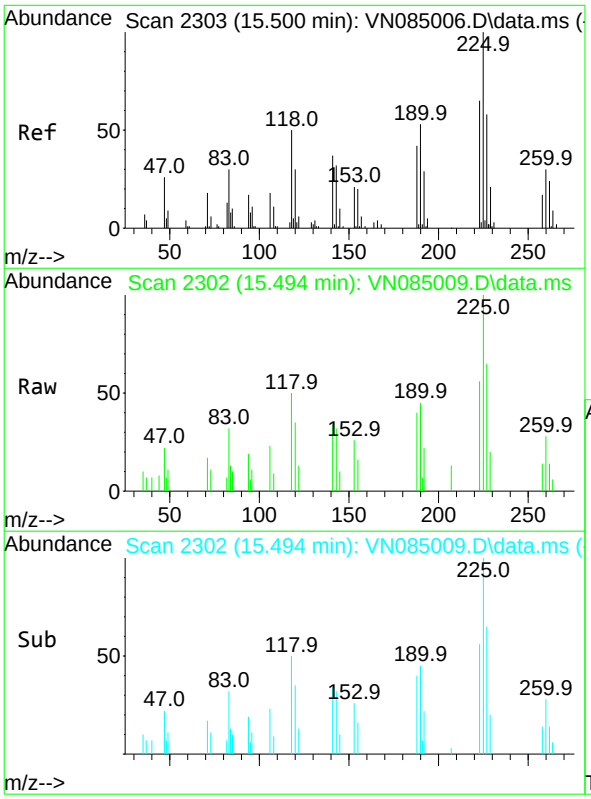
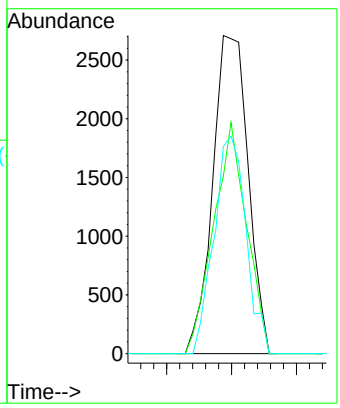
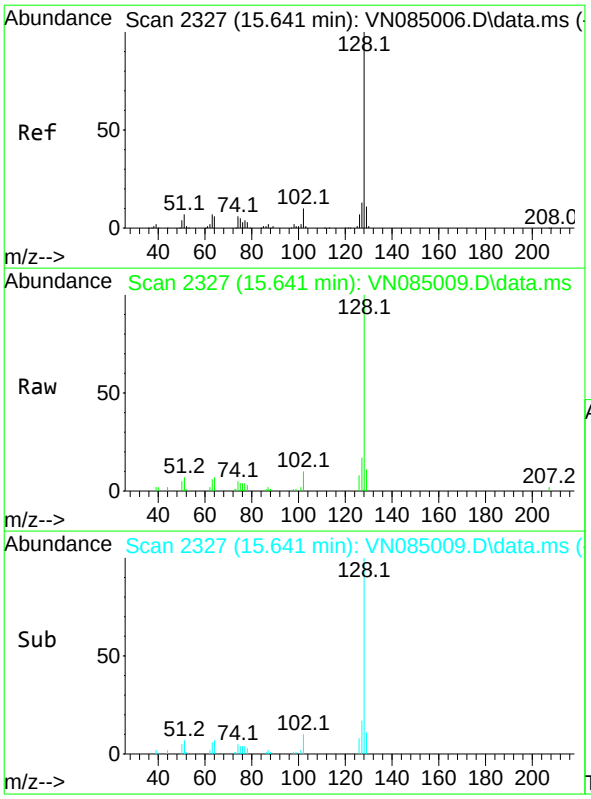


#94
Hexachlorobutadiene
Concen: 5.272 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:225 Resp: 5141

Ion	Ratio	Lower	Upper
225	100		
223	67.7	30.9	92.8
227	62.0	31.5	94.5

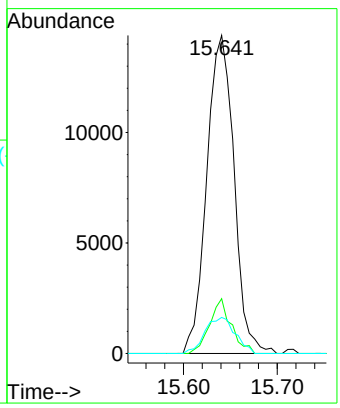




#95
Naphthalene
Concen: 4.832 ug/l
RT: 15.641 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:128 Resp: 29077

Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	16.0
129	12.6	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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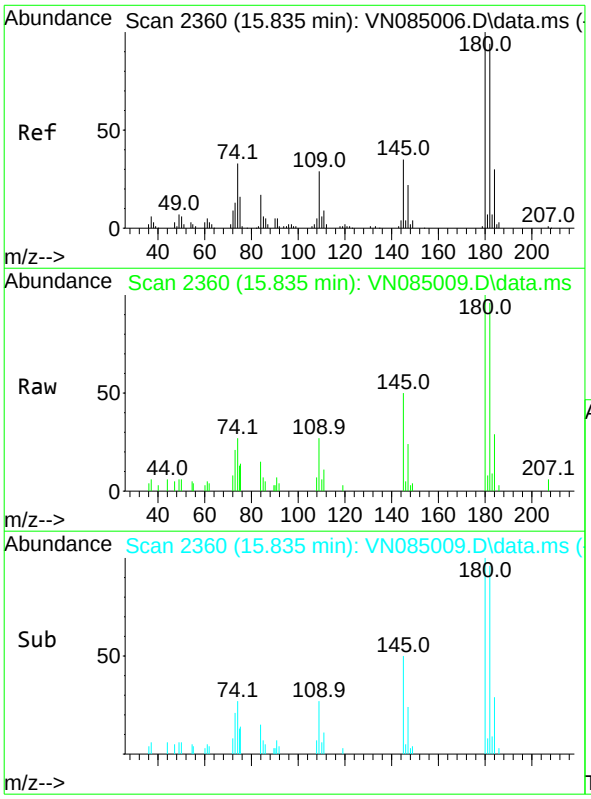
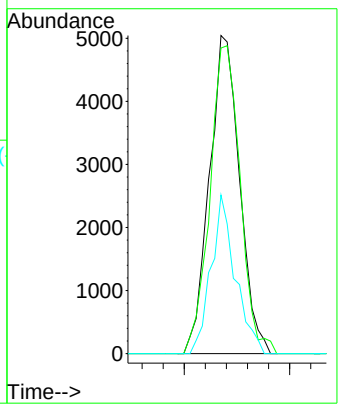


#96
1,2,3-Trichlorobenzene
Concen: 4.981 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:180 Resp: 10042

Ion	Ratio	Lower	Upper
180	100		
182	96.9	46.4	139.2
145	40.1	17.3	52.0



ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085010.D
Acq On : 22 Nov 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 02:01:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.218	168	142307	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	255159	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	210265	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	88784	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l		
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	1589	0.987	ug/l		91
3) Chloromethane	2.359	50	2580	1.382	ug/l	#	86
4) Vinyl Chloride	2.518	62	1730	1.031	ug/l	#	81
6) Chloroethane	3.077	64	1303m	1.153	ug/l		
7) Trichlorofluoromethane	3.453	101	2950	1.034	ug/l		99
8) Diethyl Ether	3.953	74	898	0.925	ug/l		90
9) 1,1,2-Trichlorotrifluo...	4.365	101	1632m	1.009	ug/l		
12) 1,1-Dichloroethene	4.324	96	1511	1.000	ug/l	#	61
14) Allyl chloride	5.012	41	2663	1.046	ug/l		98
15) Acrylonitrile	5.718	53	4314	5.625	ug/l	#	75
16) Acetone	4.442	43	2973	5.036	ug/l	#	69
17) Carbon Disulfide	4.694	76	5206	1.168	ug/l	#	84
18) Methyl Acetate	5.030	43	3542m	0.747	ug/l		
19) Methyl tert-butyl Ether	5.789	73	4765m	0.966	ug/l		
20) Methylene Chloride	5.271	84	2130m	1.182	ug/l		
21) trans-1,2-Dichloroethene	5.783	96	1624	1.022	ug/l		95
22) Diisopropyl ether	6.665	45	5194	1.014	ug/l		96
23) Vinyl Acetate	6.600	43	16519	4.672	ug/l		99
24) 1,1-Dichloroethane	6.559	63	3177	1.036	ug/l	#	83
25) 2-Butanone	7.477	43	5363	5.556	ug/l	#	89
26) 2,2-Dichloropropane	7.494	77	3083	1.077	ug/l		86
27) cis-1,2-Dichloroethene	7.477	96	2074	1.082	ug/l		88
28) Bromochloromethane	7.806	49	1248	1.078	ug/l	#	94
29) Tetrahydrofuran	7.835	42	3038	5.061	ug/l		90
30) Chloroform	7.959	83	3824	1.172	ug/l		97
32) 1,1,1-Trichloroethane	8.165	97	3231	1.096	ug/l	#	48
36) 1,1-Dichloropropene	8.365	75	2304	0.989	ug/l	#	87
37) Ethyl Acetate	7.547	43	2101	0.992	ug/l	#	67
38) Carbon Tetrachloride	8.359	117	2554	0.949	ug/l		92
39) Methylcyclohexane	9.600	83	1948	0.804	ug/l		89
40) Benzene	8.600	78	7459	1.012	ug/l	#	83
41) Methacrylonitrile	7.777	41	1263	1.077	ug/l	#	70
42) 1,2-Dichloroethane	8.671	62	2512	0.996	ug/l		81
43) Isopropyl Acetate	8.688	43	5905m	1.342	ug/l		
44) Trichloroethene	9.347	130	1685	0.984	ug/l		74
45) 1,2-Dichloropropane	9.618	63	1911	1.053	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085010.D
Acq On : 22 Nov 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 23 02:01:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) Dibromomethane	9.706	93	1327	1.052 ug/l	100
47) Bromodichloromethane	9.894	83	2757	1.031 ug/l #	72
48) Methyl methacrylate	9.682	41	1550	0.946 ug/l	91
49) 1,4-Dioxane	9.700	88	553	19.470 ug/l #	54
51) 4-Methyl-2-Pentanone	10.441	43	9203	4.578 ug/l	93
52) Toluene	10.624	92	3979	0.912 ug/l	92
53) t-1,3-Dichloropropene	10.829	75	2680	1.000 ug/l	89
54) cis-1,3-Dichloropropene	10.312	75	2759	0.970 ug/l	94
55) 1,1,2-Trichloroethane	11.012	97	1536	0.945 ug/l #	79
56) Ethyl methacrylate	10.876	69	1888	0.795 ug/l	97
57) 1,3-Dichloropropane	11.165	76	2917	1.020 ug/l	97
58) 2-Chloroethyl Vinyl ether	10.159	63	4254	3.651 ug/l	98
59) 2-Hexanone	11.200	43	6264	4.166 ug/l	90
60) Dibromochloromethane	11.359	129	2099	1.057 ug/l	93
61) 1,2-Dibromoethane	11.465	107	1648	0.980 ug/l	98
64) Tetrachloroethene	11.100	164	1291	0.911 ug/l #	88
65) Chlorobenzene	11.888	112	5217	1.094 ug/l #	81
66) 1,1,1,2-Tetrachloroethane	11.965	131	1639	0.976 ug/l #	62
67) Ethyl Benzene	11.959	91	6914	0.894 ug/l #	85
68) m/p-Xylenes	12.070	106	5269	1.789 ug/l	91
69) o-Xylene	12.400	106	2514	0.897 ug/l	82
70) Styrene	12.406	104	3871	0.831 ug/l	99
71) Bromoform	12.576	173	1215	0.975 ug/l #	92
73) Isopropylbenzene	12.688	105	5637	0.900 ug/l	99
74) N-amyl acetate	12.494	43	2377	0.921 ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.929	83	2694	1.260 ug/l #	82
76) 1,2,3-Trichloropropane	12.988	75	1816m	1.093 ug/l	
77) Bromobenzene	12.982	156	1903	1.129 ug/l	86
78) n-propylbenzene	13.029	91	6275	0.869 ug/l	97
79) 2-Chlorotoluene	13.123	91	4935	1.023 ug/l	94
80) 1,3,5-Trimethylbenzene	13.170	105	4473	0.851 ug/l	98
82) 4-Chlorotoluene	13.223	91	5286	1.053 ug/l	92
83) tert-Butylbenzene	13.435	119	4357	0.963 ug/l	91
84) 1,2,4-Trimethylbenzene	13.482	105	4802	0.888 ug/l	100
85) sec-Butylbenzene	13.612	105	5284	0.865 ug/l	99
86) p-Isopropyltoluene	13.729	119	4047	0.803 ug/l	88
87) 1,3-Dichlorobenzene	13.729	146	4131	1.243 ug/l	86
88) 1,4-Dichlorobenzene	13.806	146	4149m	1.223 ug/l	
89) n-Butylbenzene	14.053	91	4981	1.062 ug/l	92
90) Hexachloroethane	14.329	117	1217	1.107 ug/l #	52
91) 1,2-Dichlorobenzene	14.100	146	3830	1.202 ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	470	1.136 ug/l	98
93) 1,2,4-Trichlorobenzene	15.400	180	2092	1.209 ug/l	93
94) Hexachlorobutadiene	15.494	225	987	1.236 ug/l	80
95) Naphthalene	15.641	128	5242	1.063 ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	1849	1.120 ug/l	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

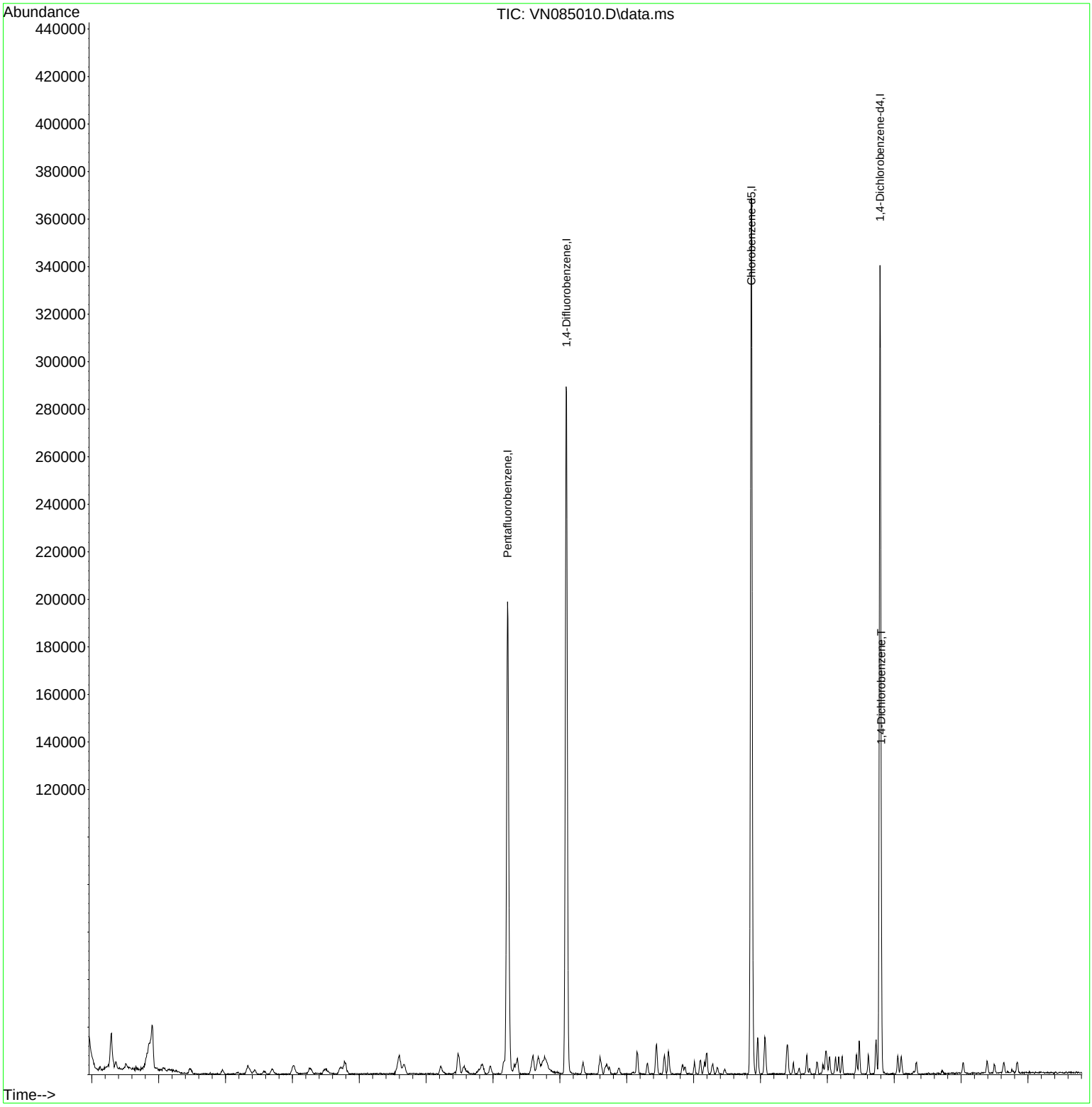
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085010.D
Acq On : 22 Nov 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

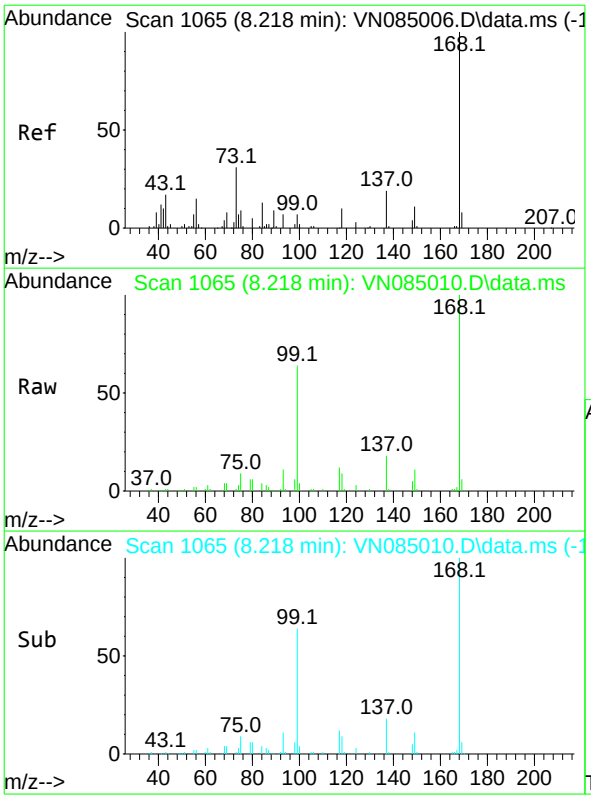
Quant Time: Nov 23 02:01:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

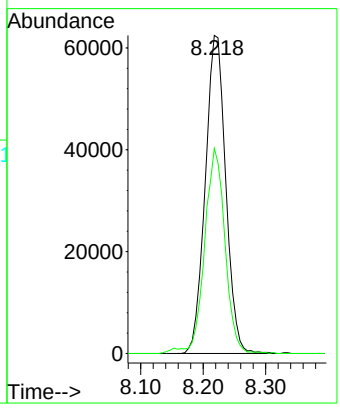




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:168 Resp: 142307

Ion	Ratio	Lower	Upper
168	100		
99	64.5	51.2	76.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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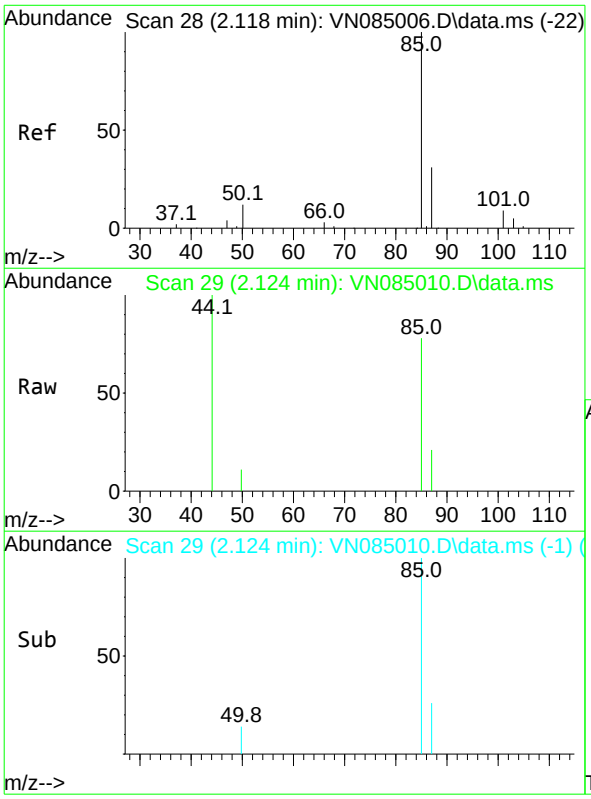
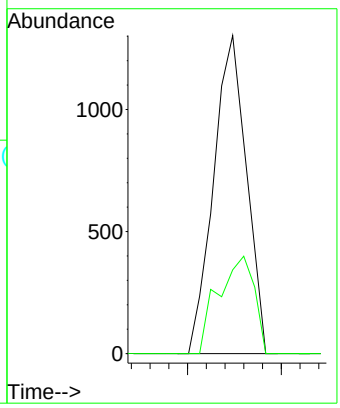
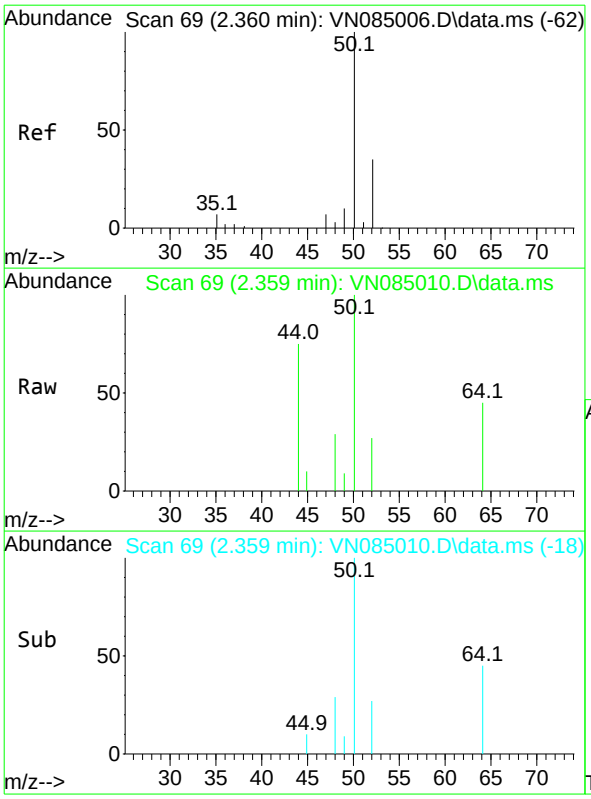


#2
Dichlorodifluoromethane
Concen: 0.987 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 85 Resp: 1589

Ion	Ratio	Lower	Upper
85	100		
87	26.3	15.7	47.1

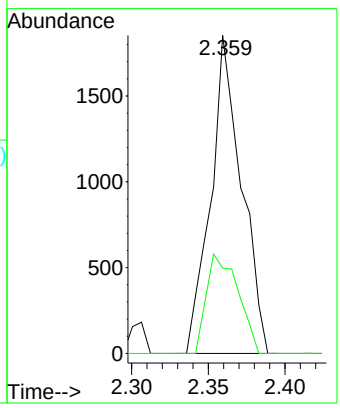




#3
Chloromethane
Concen: 1.382 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 50 Resp: 2580

Ion	Ratio	Lower	Upper
50	100		
52	26.8	27.8	41.8#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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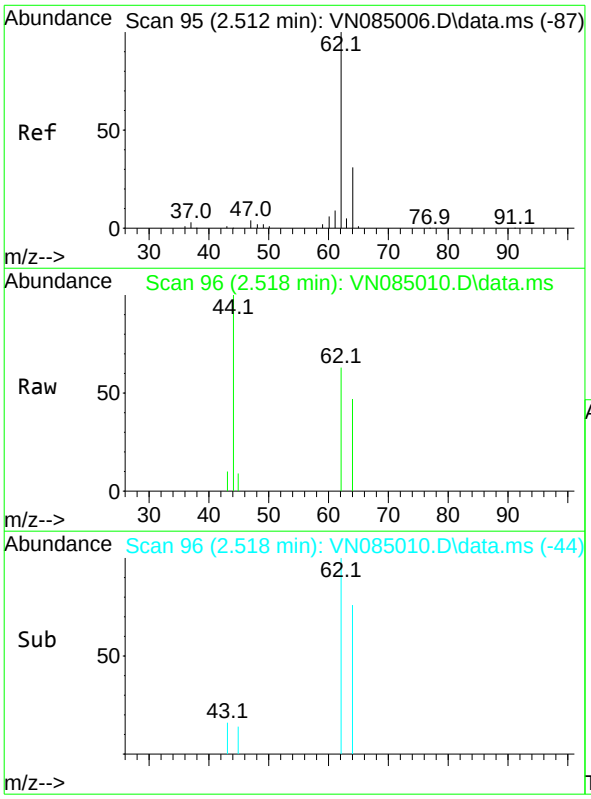
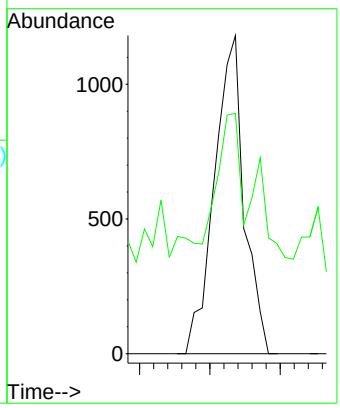
Supervised By :Mahesh Dadoda 11/25/2024

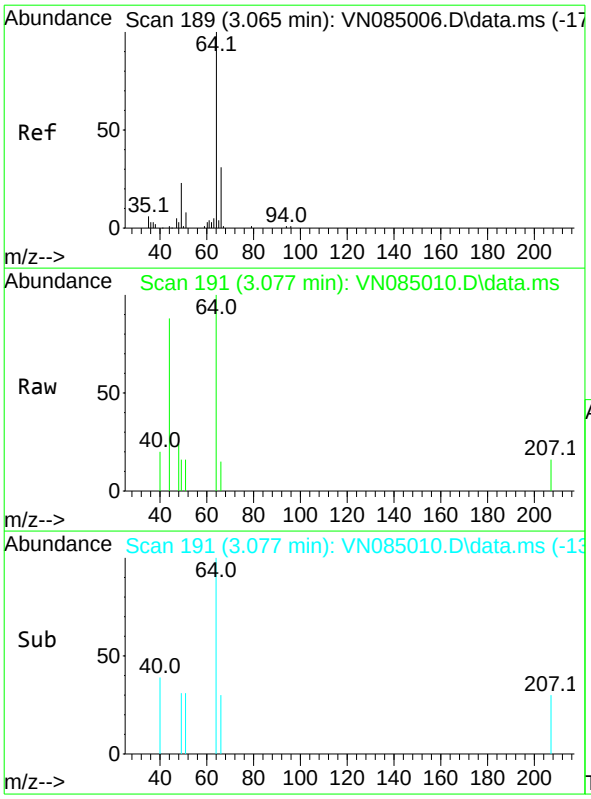


#4
Vinyl Chloride
Concen: 1.031 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 62 Resp: 1730

Ion	Ratio	Lower	Upper
62	100		
64	40.9	24.6	36.8#

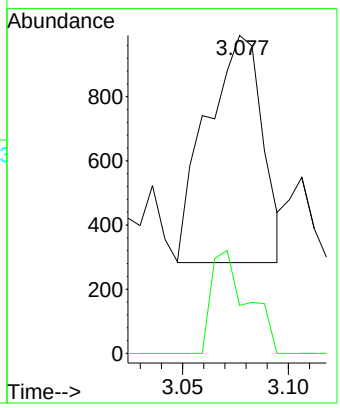




#6
Chloroethane
Concen: 1.153 ug/l m
RT: 3.077 min Scan# 19
Delta R.T. 0.012 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 64 Resp: 1303

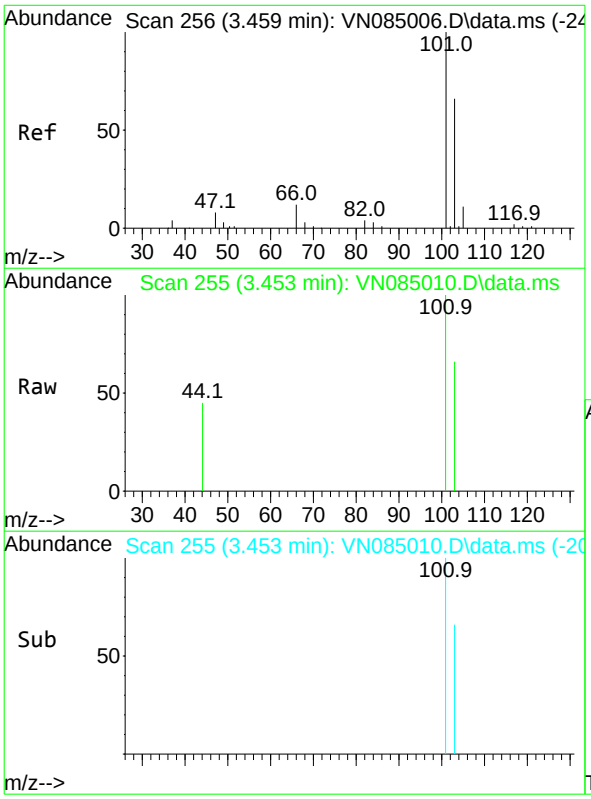
Ion	Ratio	Lower	Upper
64	100		
66	15.1	24.4	36.6#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

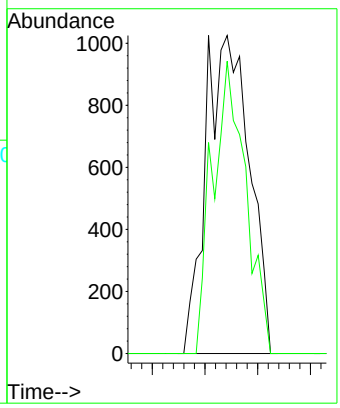
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

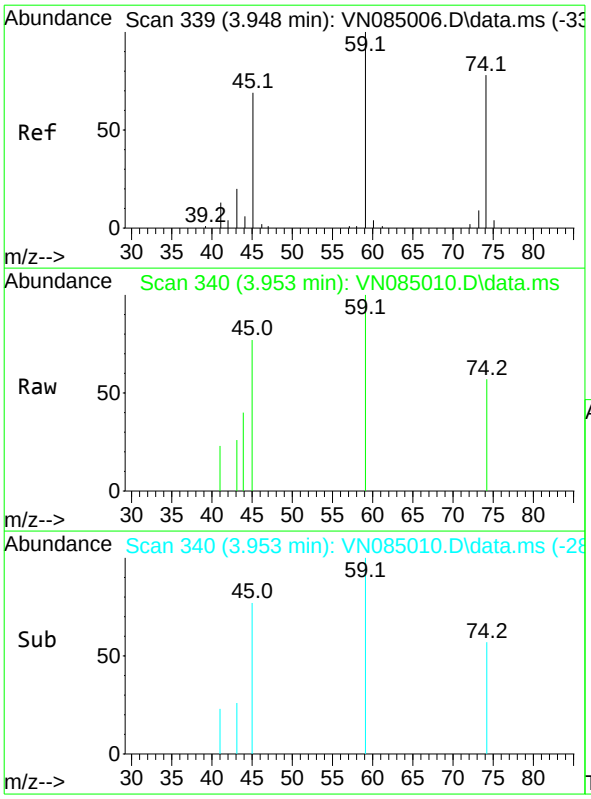


#7
Trichlorofluoromethane
Concen: 1.034 ug/l
RT: 3.453 min Scan# 255
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:101 Resp: 2950

Ion	Ratio	Lower	Upper
101	100		
103	66.3	52.6	78.8

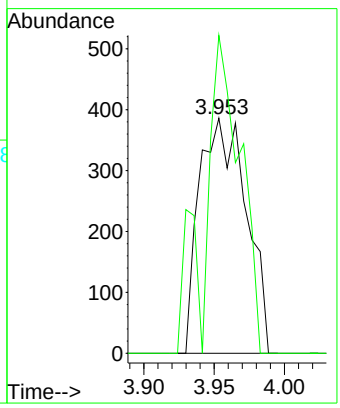




#8
Diethyl Ether
Concen: 0.925 ug/l
RT: 3.953 min Scan# 34
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 74 Resp: 898

Ion	Ratio	Lower	Upper
74	100		
45	103.3	46.7	140.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
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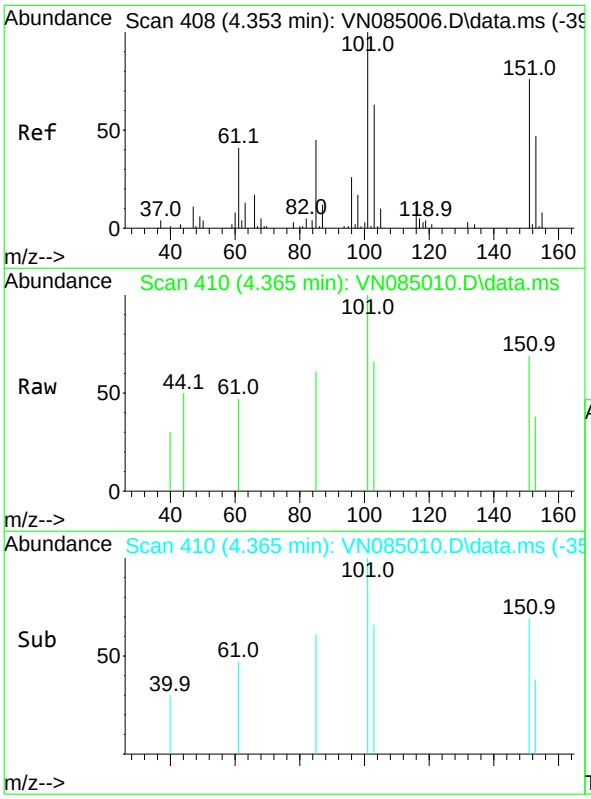
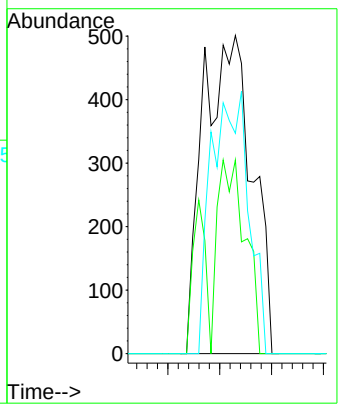
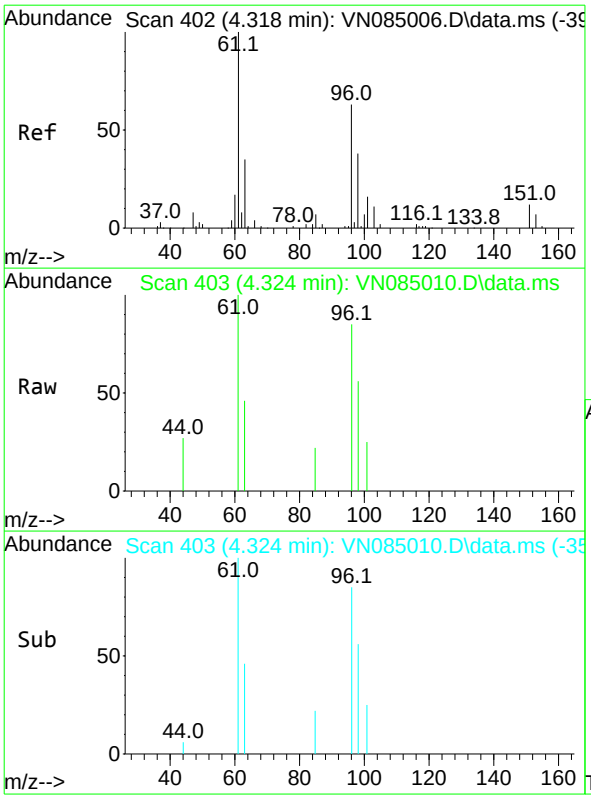


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.009 ug/l m
RT: 4.365 min Scan# 410
Delta R.T. 0.012 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:101 Resp: 1632

Ion	Ratio	Lower	Upper
101	100		
85	34.9	36.9	55.3#
151	62.9	60.8	91.2

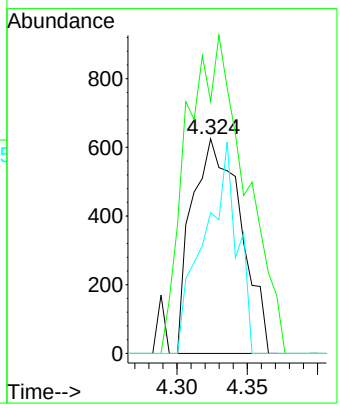




#12
1,1-Dichloroethene
Concen: 1.000 ug/l
RT: 4.324 min Scan# 40
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 96 Resp: 1511

Ion	Ratio	Lower	Upper
96	100		
61	90.6	127.8	191.8#
98	65.6	49.2	73.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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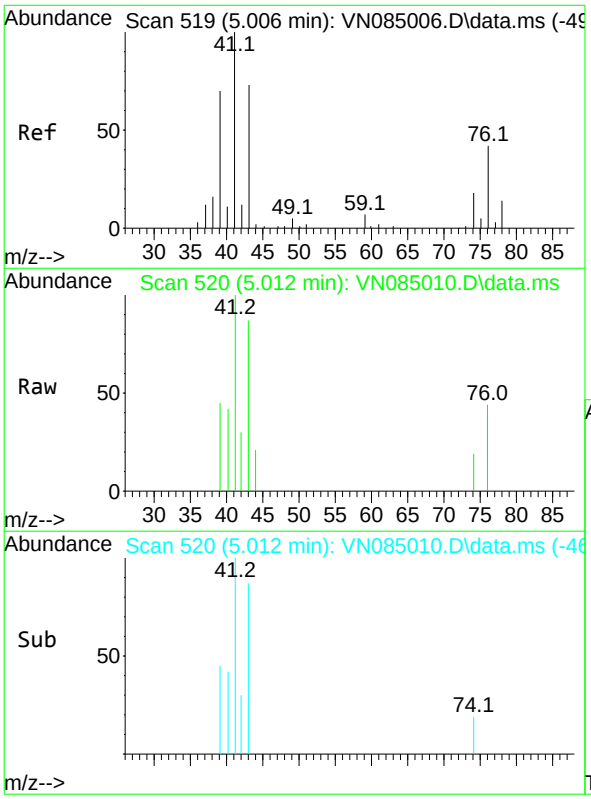
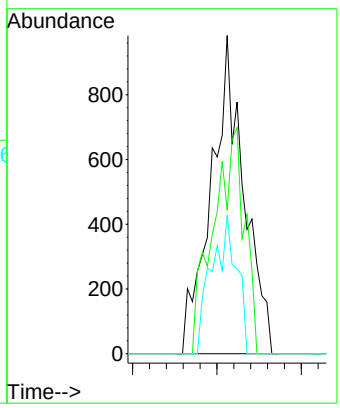
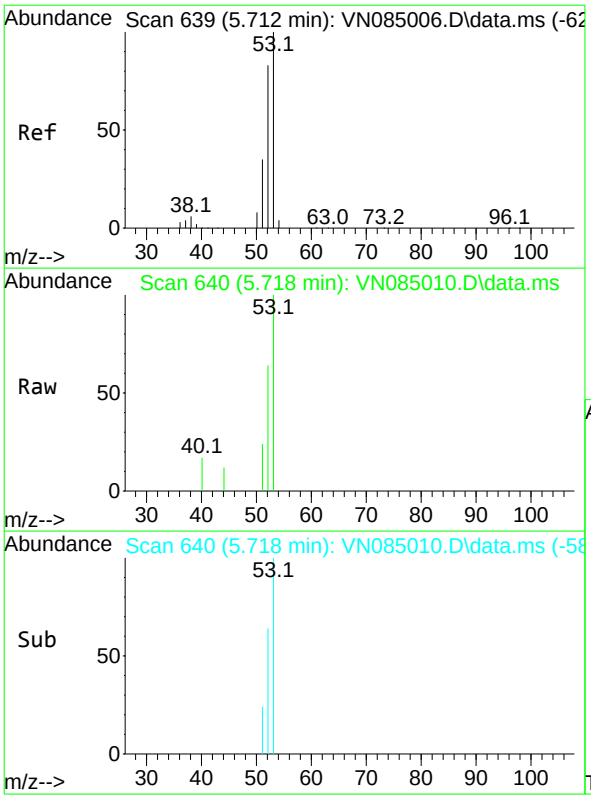


#14
Allyl chloride
Concen: 1.046 ug/l
RT: 5.012 min Scan# 520
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 41 Resp: 2663

Ion	Ratio	Lower	Upper
41	100		
39	67.4	53.8	80.8
76	33.0	29.3	43.9

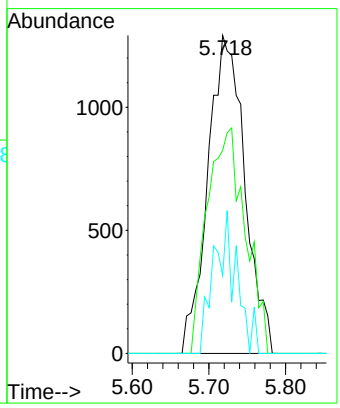




#15
Acrylonitrile
Concen: 5.625 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 53 Resp: 4314

Ion	Ratio	Lower	Upper
53	100		
52	73.5	65.5	98.3
51	0.0	28.4	42.6#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 11/25/2024
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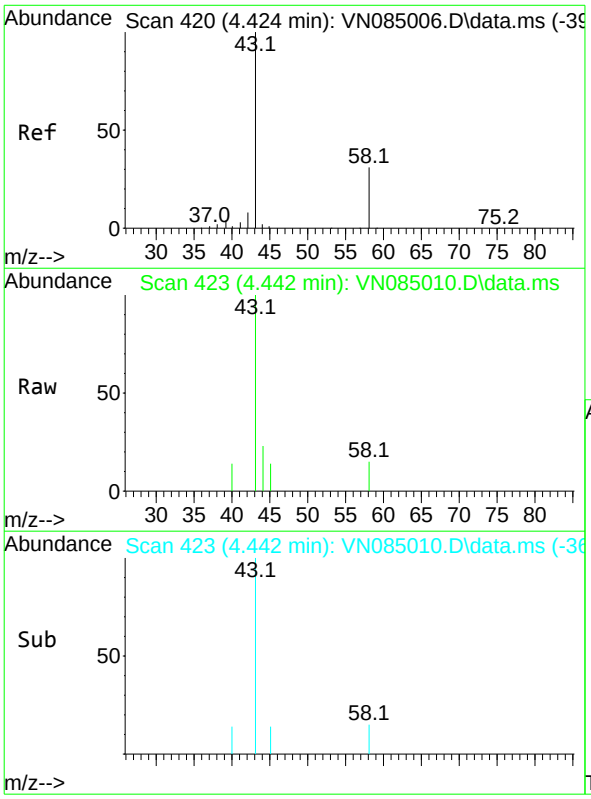
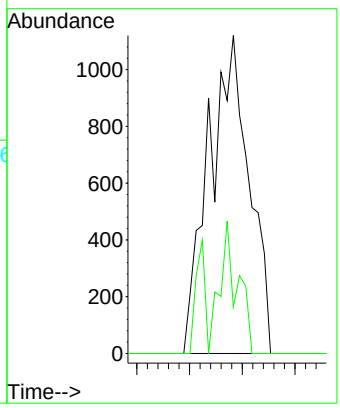
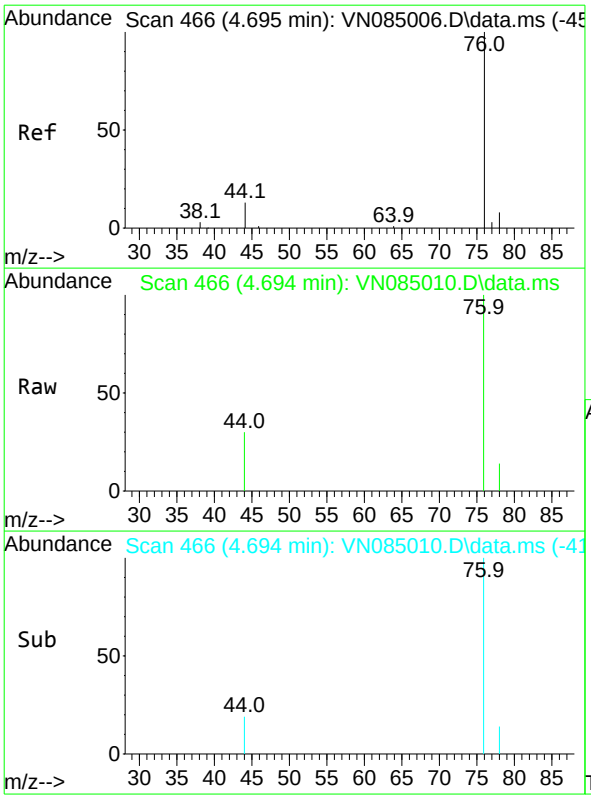


#16
Acetone
Concen: 5.036 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 43 Resp: 2973

Ion	Ratio	Lower	Upper
43	100		
58	14.6	25.4	38.2#





#17
Carbon Disulfide
Concen: 1.168 ug/l
RT: 4.694 min Scan# 46
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 76 Resp: 5206

Ion	Ratio	Lower	Upper
76	100		
78	13.8	6.5	9.7#

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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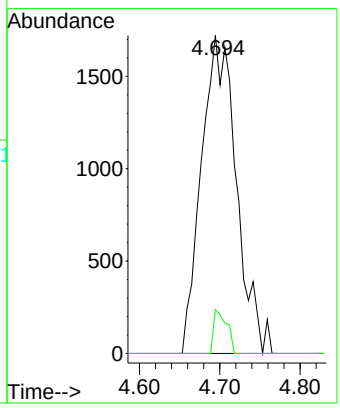
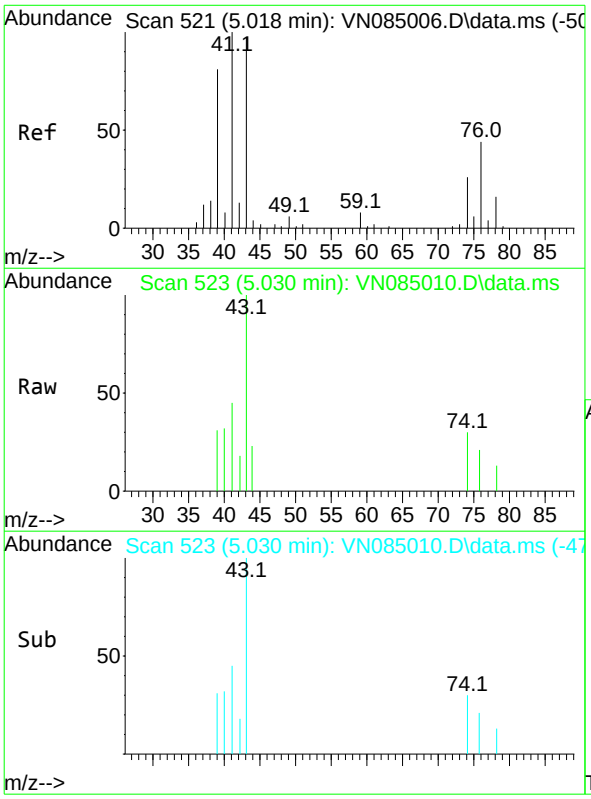
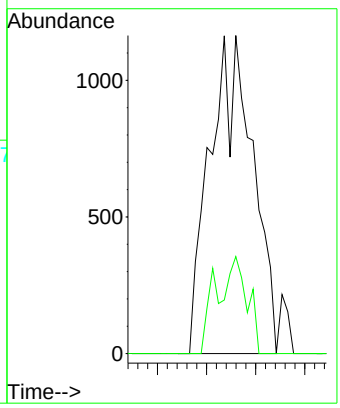


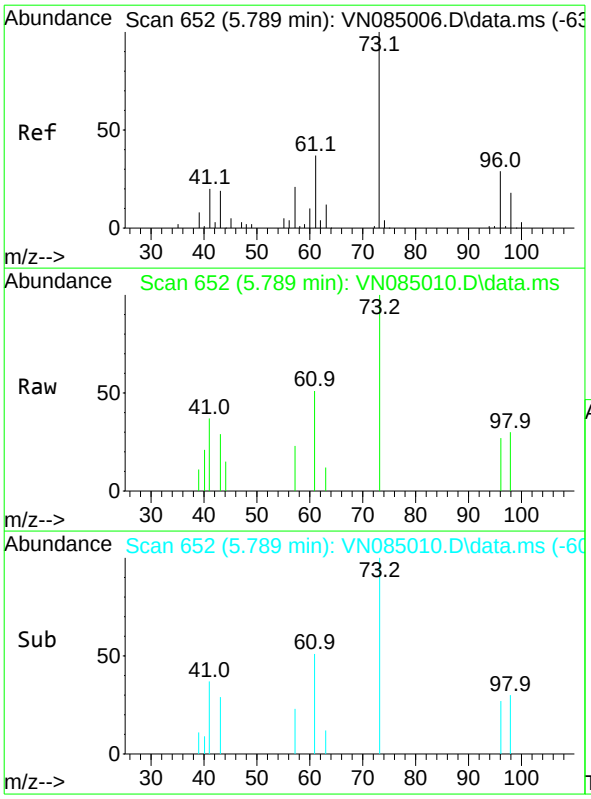


#18
Methyl Acetate
Concen: 0.747 ug/l m
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 43 Resp: 3542

Ion	Ratio	Lower	Upper
43	100		
74	13.1	20.1	30.1#

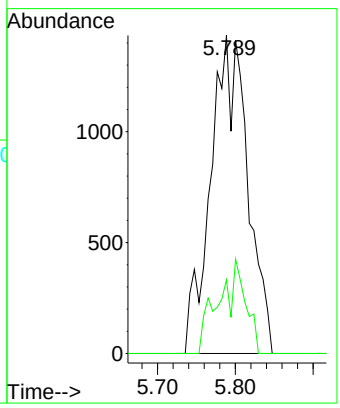




#19
Methyl tert-butyl Ether
Concen: 0.966 ug/l m
RT: 5.789 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 73 Resp: 4765

Ion	Ratio	Lower	Upper
73	100		
57	23.2	17.0	25.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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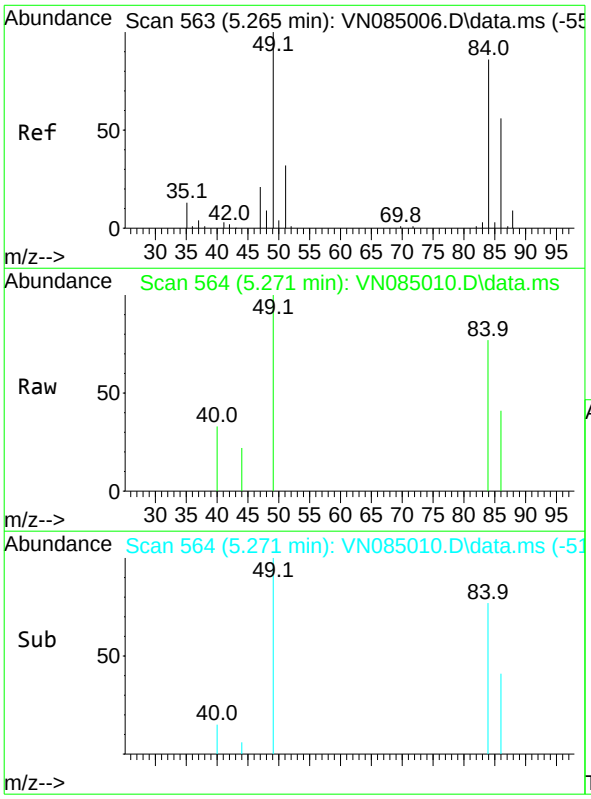
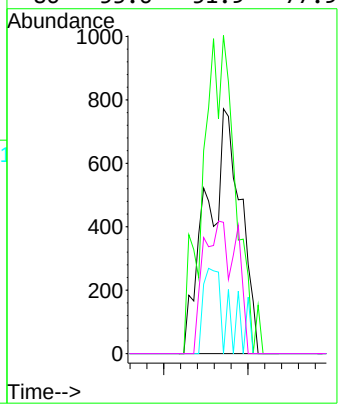
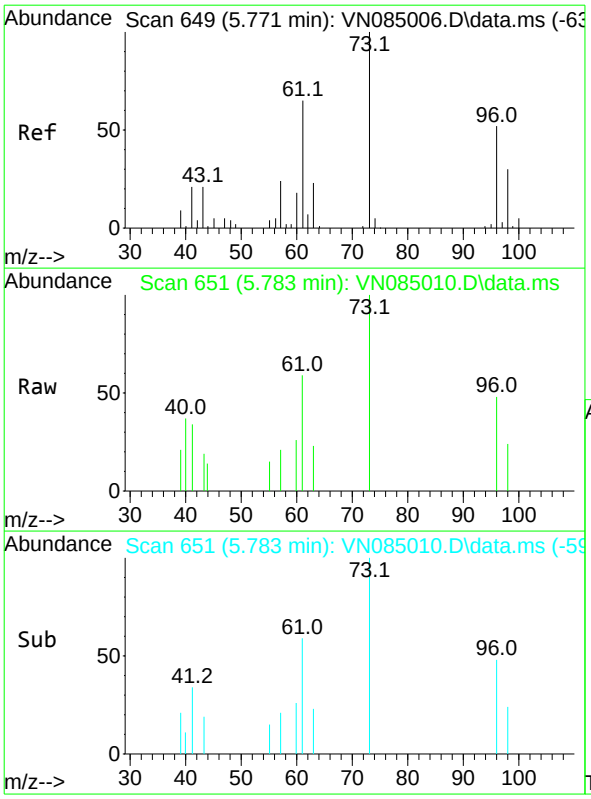


#20
Methylene Chloride
Concen: 1.182 ug/l m
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 84 Resp: 2130

Ion	Ratio	Lower	Upper
84	100		
49	129.9	92.7	139.1
51	0.0	29.4	44.2#
86	53.6	51.9	77.9

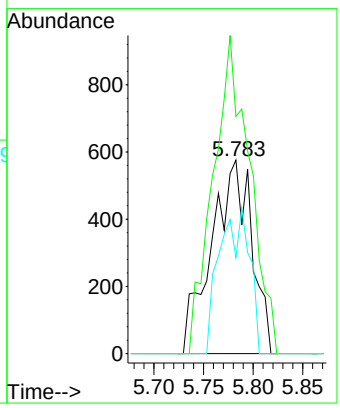




#21
trans-1,2-Dichloroethene
Concen: 1.022 ug/l
RT: 5.783 min Scan# 65
Delta R.T. 0.012 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 96 Resp: 1624

Ion	Ratio	Lower	Upper
96	100		
61	122.6	100.7	151.1
98	49.7	45.8	68.6



Instrument :
MSVOA_N
ClientSampleId :
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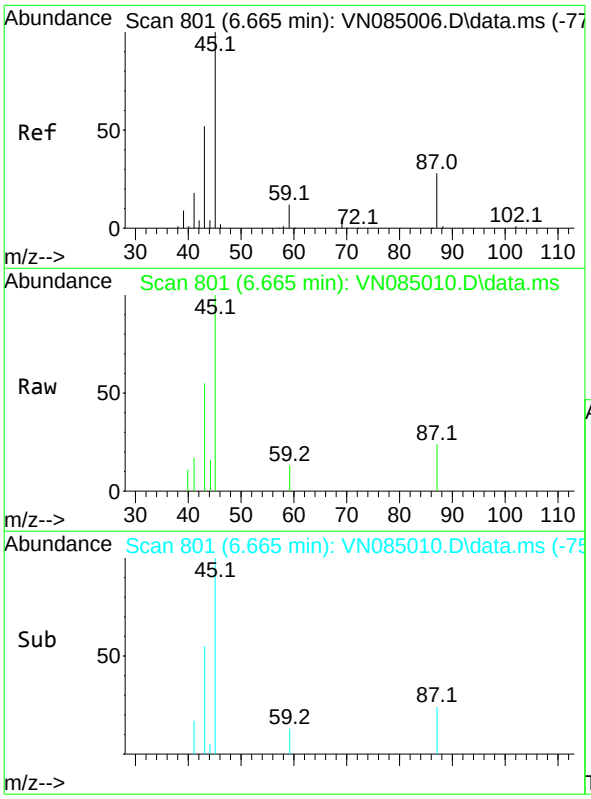
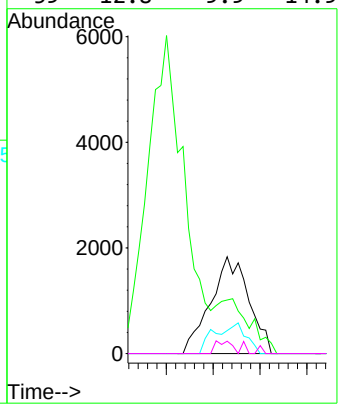
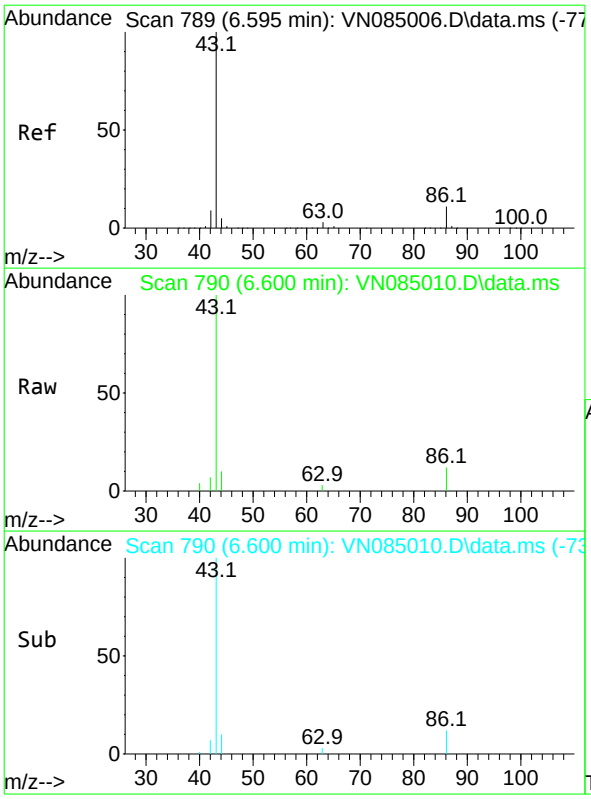


#22
Diisopropyl ether
Concen: 1.014 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 45 Resp: 5194

Ion	Ratio	Lower	Upper
45	100		
43	55.3	42.7	64.1
87	23.7	22.6	34.0
59	12.8	9.9	14.9

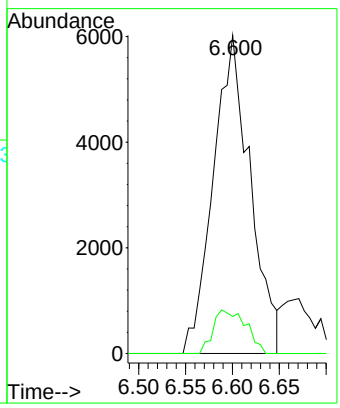




#23
Vinyl Acetate
Concen: 4.672 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 43 Resp: 16519

Ion	Ratio	Lower	Upper
43	100		
86	11.6	8.9	13.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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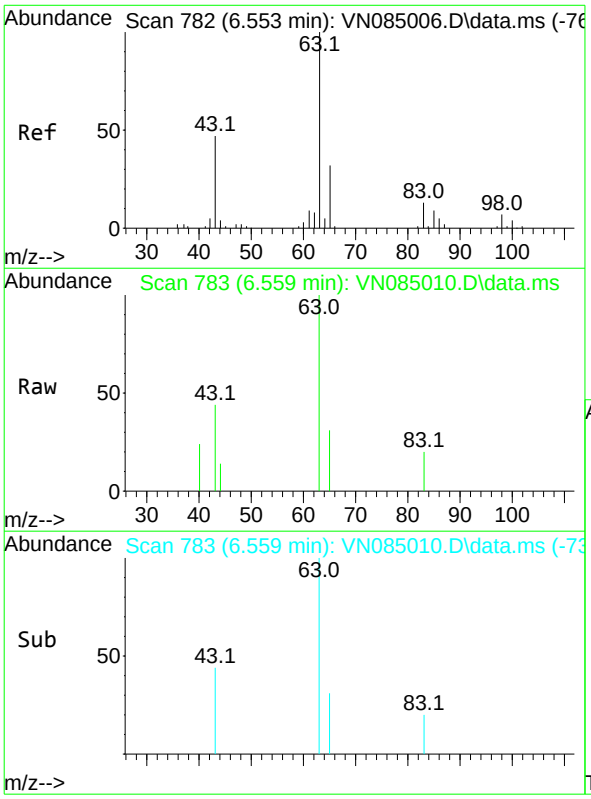
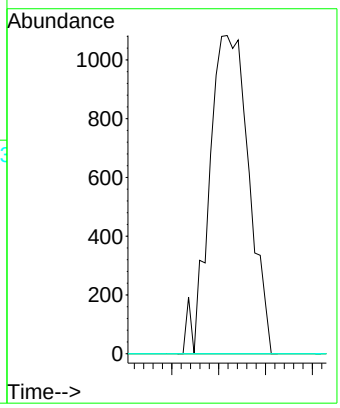
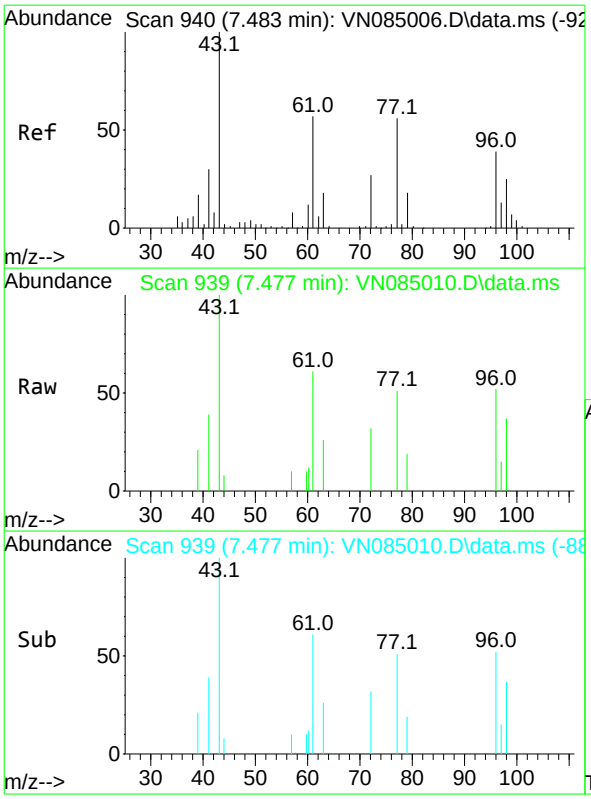


#24
1,1-Dichloroethane
Concen: 1.036 ug/l
RT: 6.559 min Scan# 783
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 63 Resp: 3177

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.3	9.8#
100	0.0	2.2	6.6#

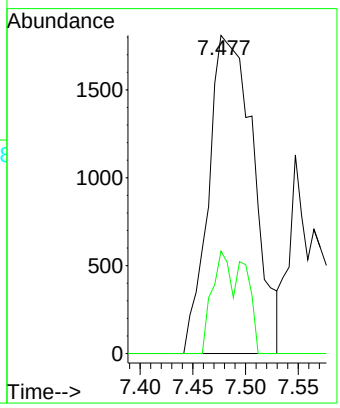




#25
2-Butanone
Concen: 5.556 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 43 Resp: 5363

Ion	Ratio	Lower	Upper
43	100		
72	32.2	21.4	32.0#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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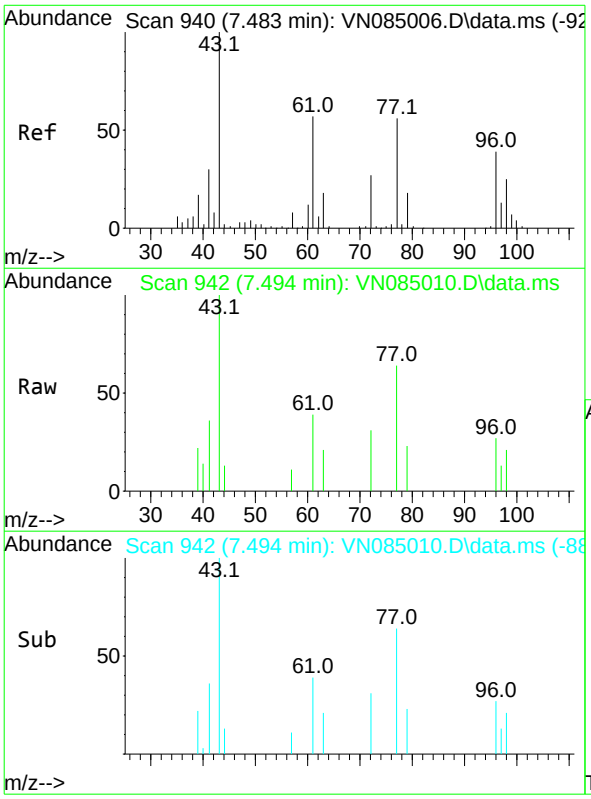
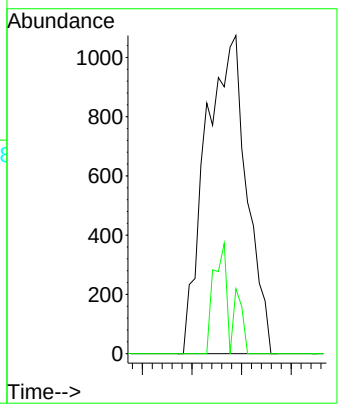
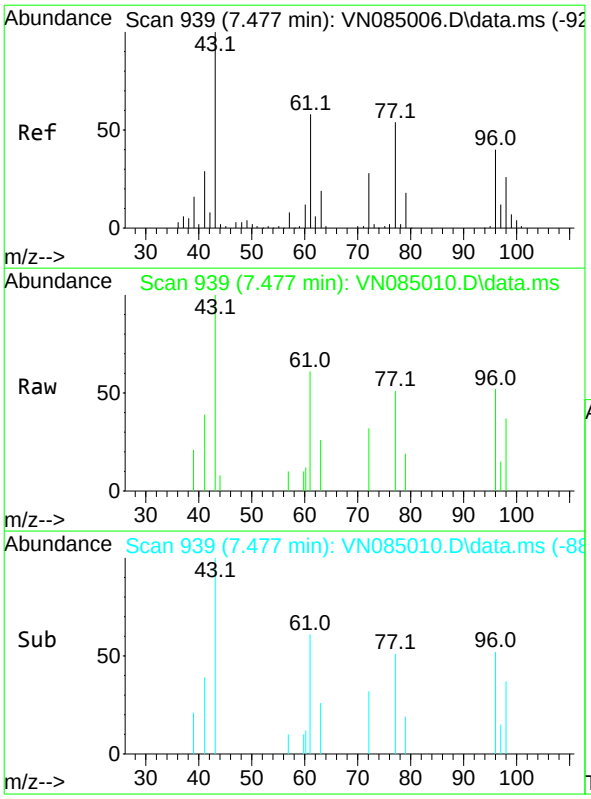


#26
2,2-Dichloropropane
Concen: 1.077 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 77 Resp: 3083

Ion	Ratio	Lower	Upper
77	100		
97	15.0	10.9	32.7

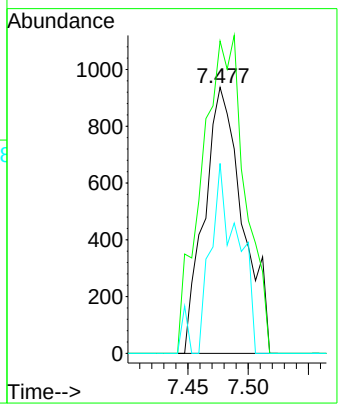




#27
cis-1,2-Dichloroethene
Concen: 1.082 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 96 Resp: 2074

Ion	Ratio	Lower	Upper
96	100		
61	135.1	0.0	291.6
98	50.5	0.0	129.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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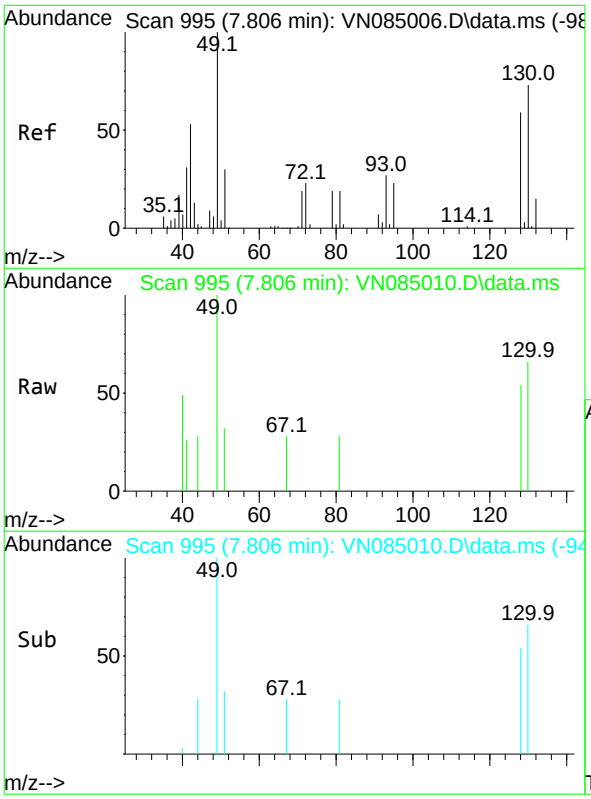
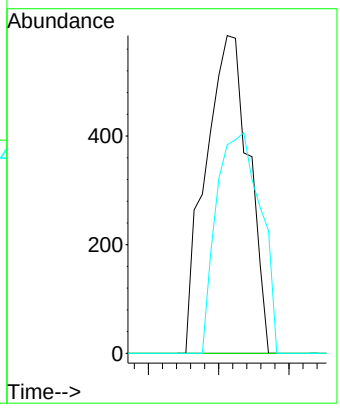
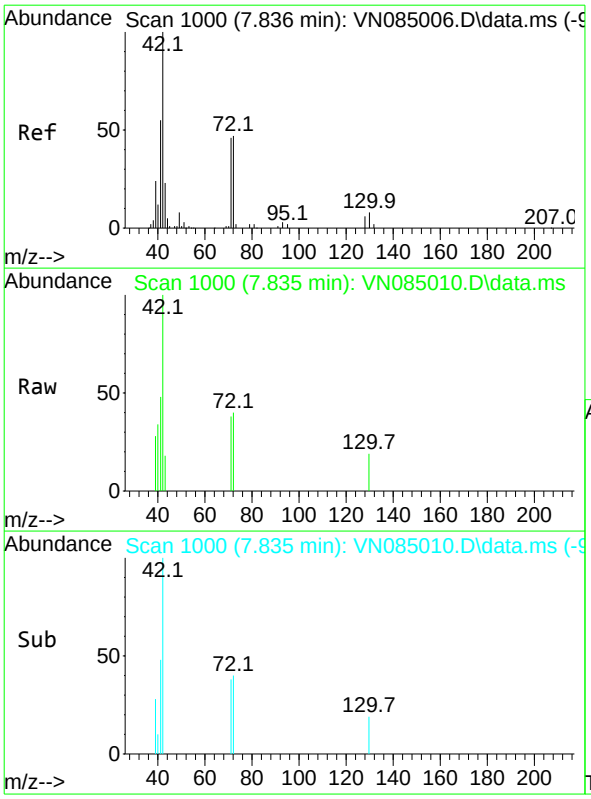


#28
Bromochloromethane
Concen: 1.078 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 49 Resp: 1248

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	70.8	60.6	90.8

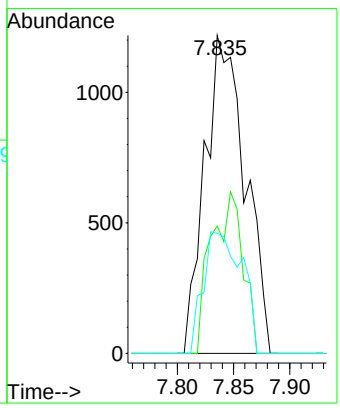




#29
Tetrahydrofuran
Concen: 5.061 ug/l
RT: 7.835 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 42 Resp: 3038

Ion	Ratio	Lower	Upper
42	100		
72	40.1	37.0	55.4
71	36.8	35.0	52.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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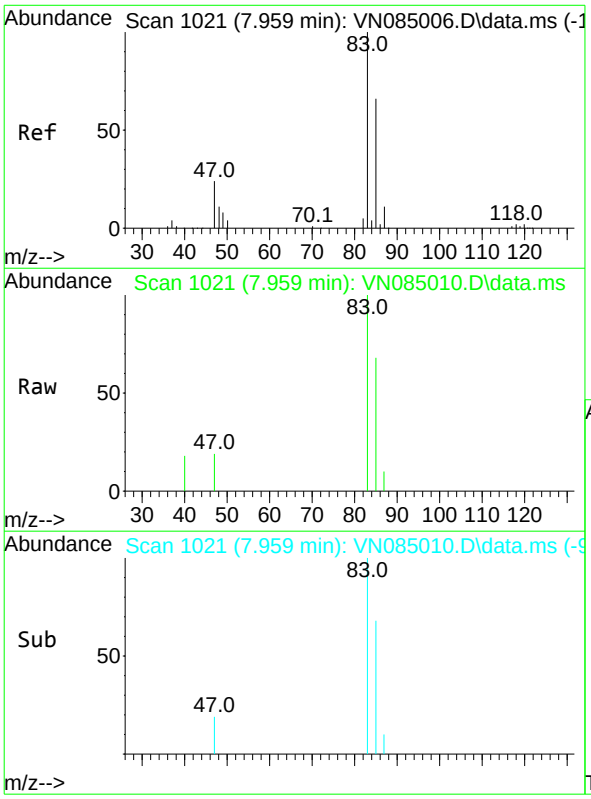
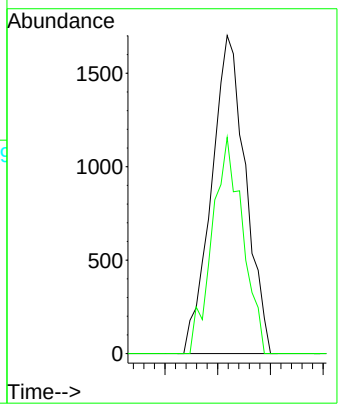
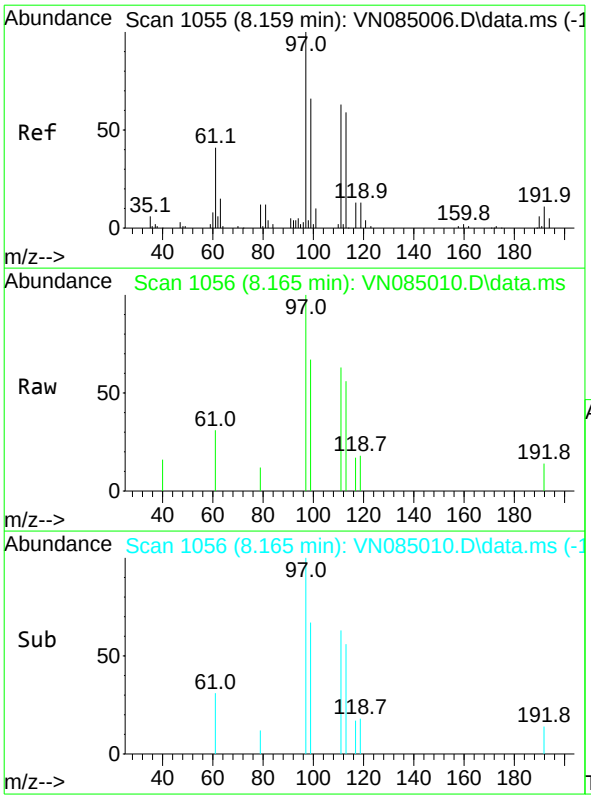


#30
Chloroform
Concen: 1.172 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 83 Resp: 3824

Ion	Ratio	Lower	Upper
83	100		
85	68.0	52.6	78.8

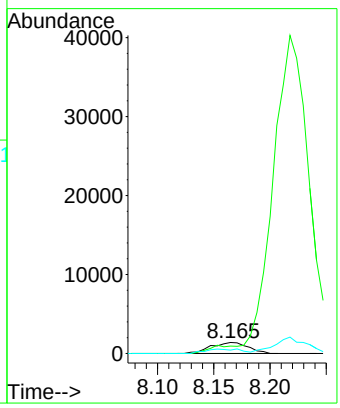




#32
1,1,1-Trichloroethane
Concen: 1.096 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 97 Resp: 3231

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.0	76.4#
61	38.6	36.2	54.2



Instrument :
MSVOA_N
ClientSampleId :
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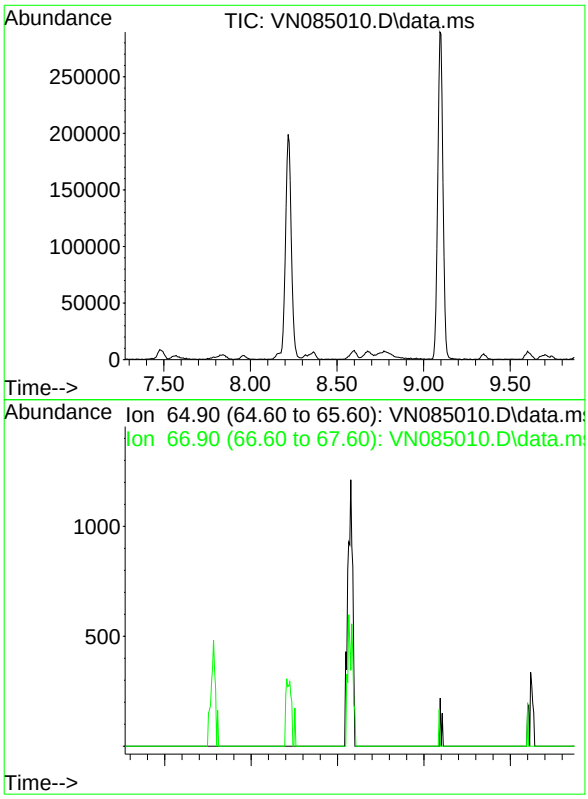
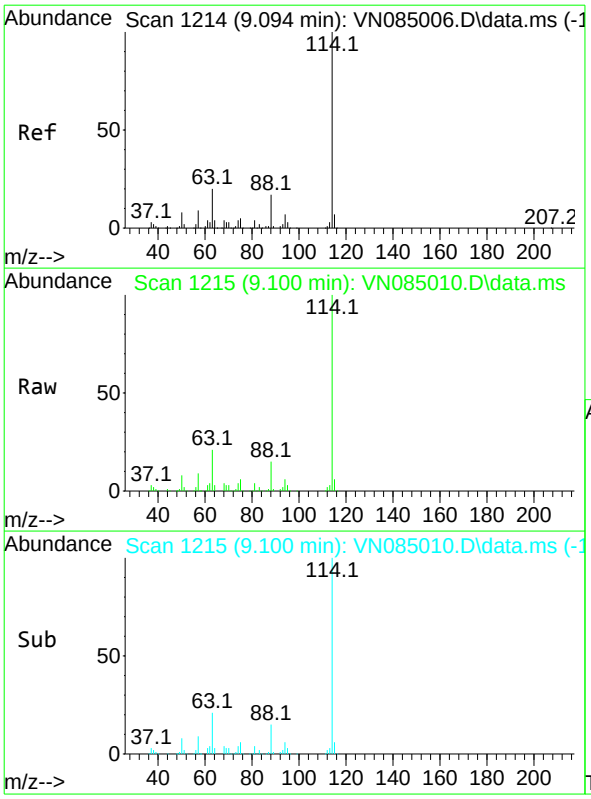


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 8.57 min

Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 65

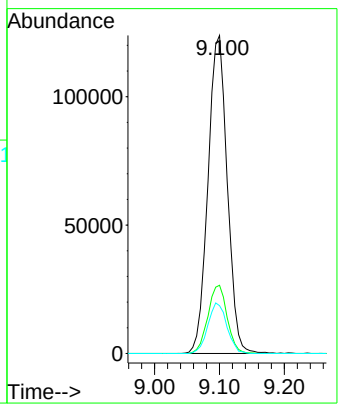
Sig	Exp Ratio
65	100
67	52.5



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:114 Resp: 255159

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	41.0
88	15.0	0.0	34.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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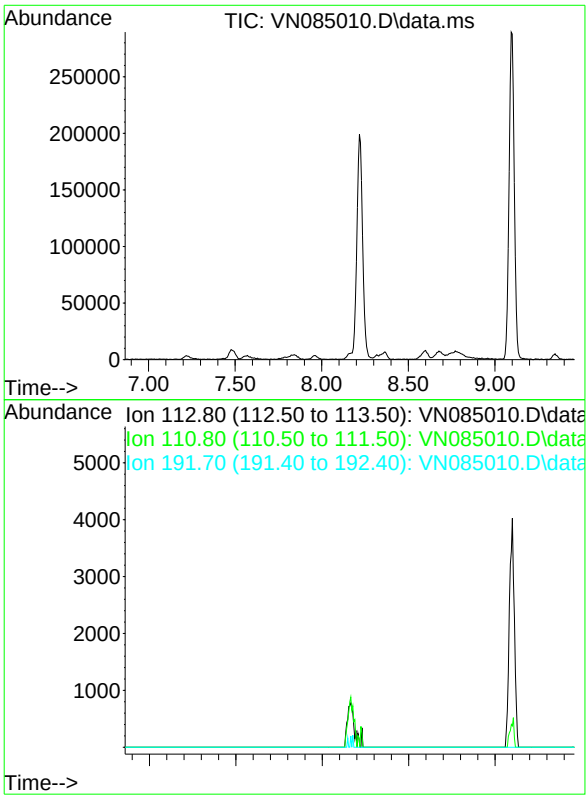
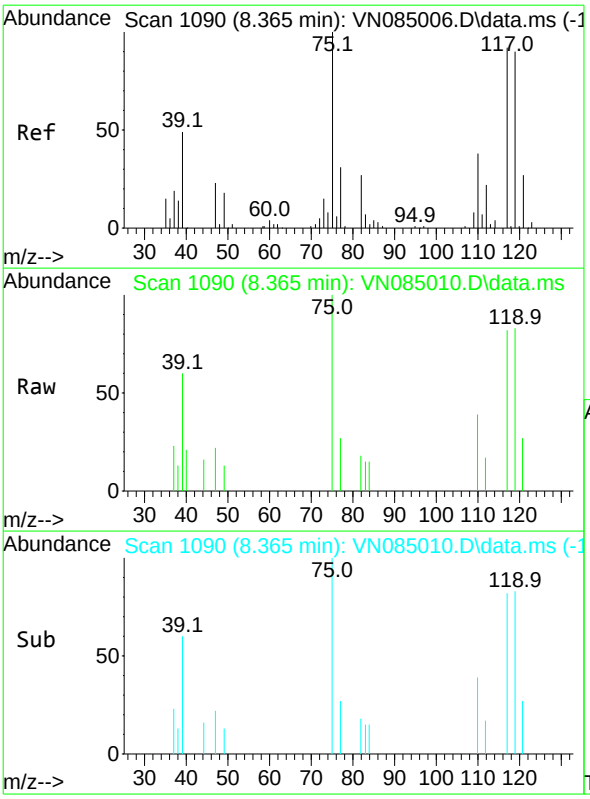


#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 8.16 min

Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 113

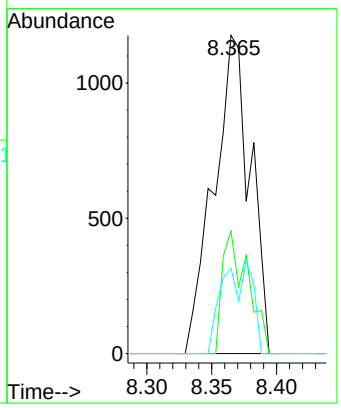
Sig	Exp Ratio
113	100
111	102.5
192	18.5



#36
1,1-Dichloropropene
Concen: 0.989 ug/l
RT: 8.365 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 75 Resp: 2304

Ion	Ratio	Lower	Upper
75	100		
110	26.6	17.2	51.6
77	23.8	24.2	36.4#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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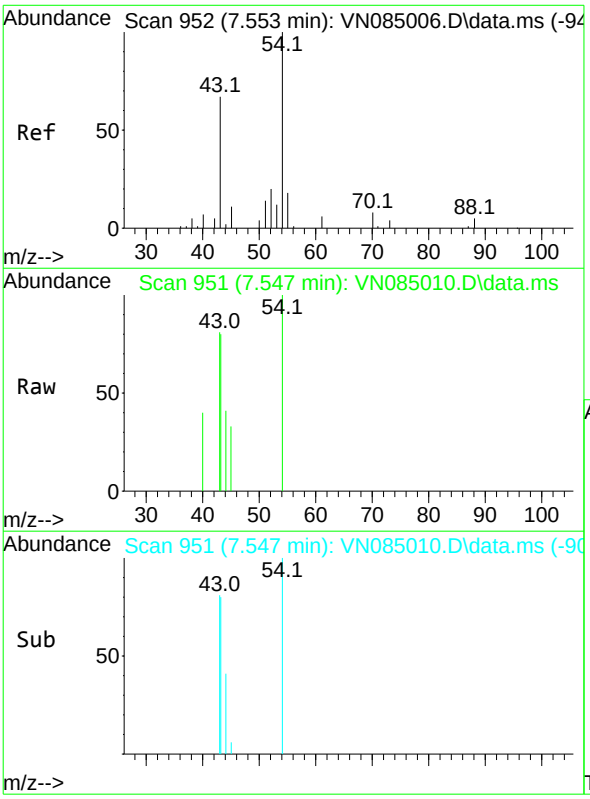
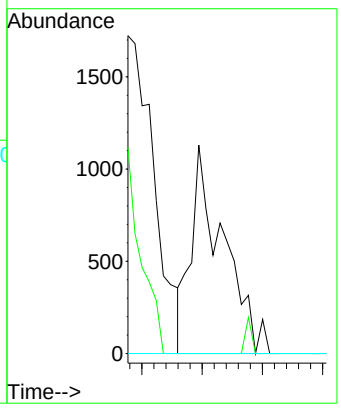
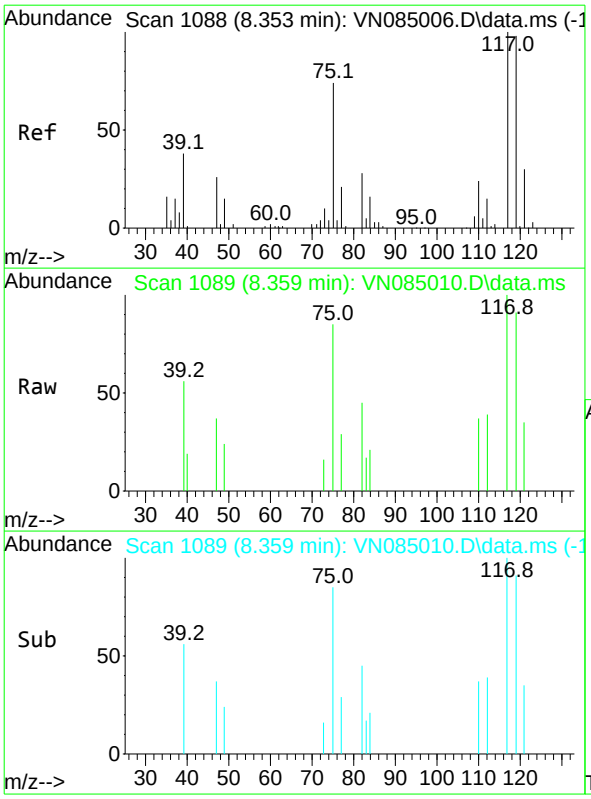


#37
Ethyl Acetate
Concen: 0.992 ug/l
RT: 7.547 min Scan# 951
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 43 Resp: 2101

Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.7	17.5#
70	0.0	9.3	13.9#

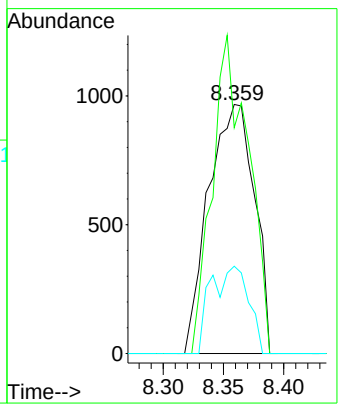




#38
Carbon Tetrachloride
Concen: 0.949 ug/l
RT: 8.359 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:117 Resp: 2554

Ion	Ratio	Lower	Upper
117	100		
119	90.7	78.6	117.8
121	35.1	24.2	36.2



Instrument :
MSVOA_N
ClientSampleId :
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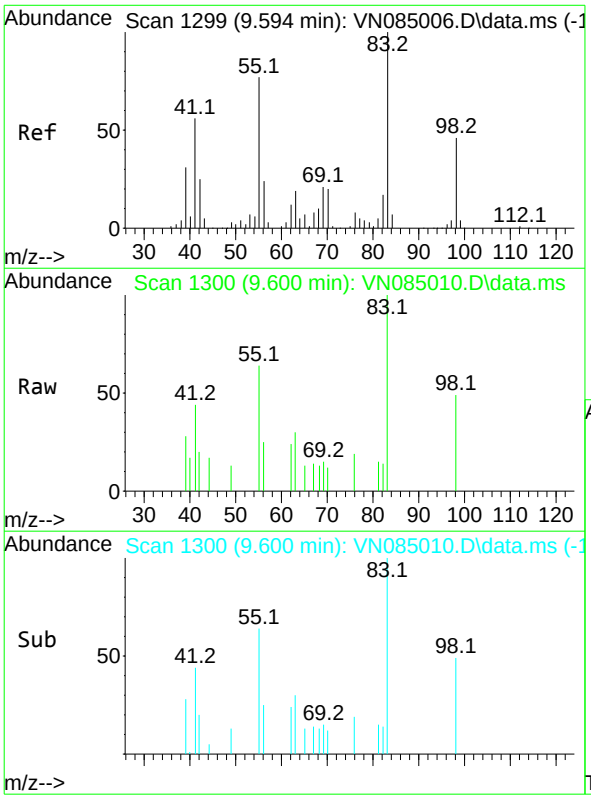
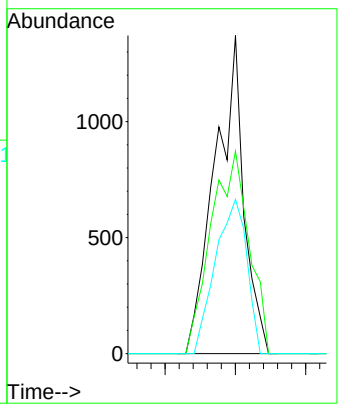
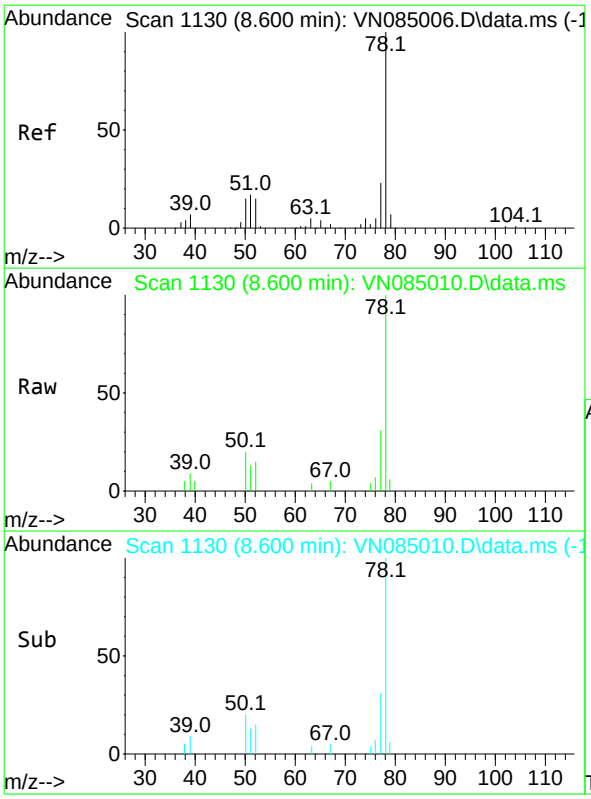


#39
Methylcyclohexane
Concen: 0.804 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 83 Resp: 1948

Ion	Ratio	Lower	Upper
83	100		
55	63.7	61.8	92.6
98	48.5	37.0	55.6

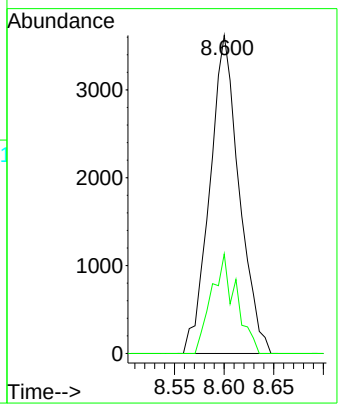




#40
Benzene
Concen: 1.012 ug/l
RT: 8.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 78 Resp: 7459

Ion	Ratio	Lower	Upper
78	100		
77	31.3	18.5	27.7#



Instrument :
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ClientSampleId :
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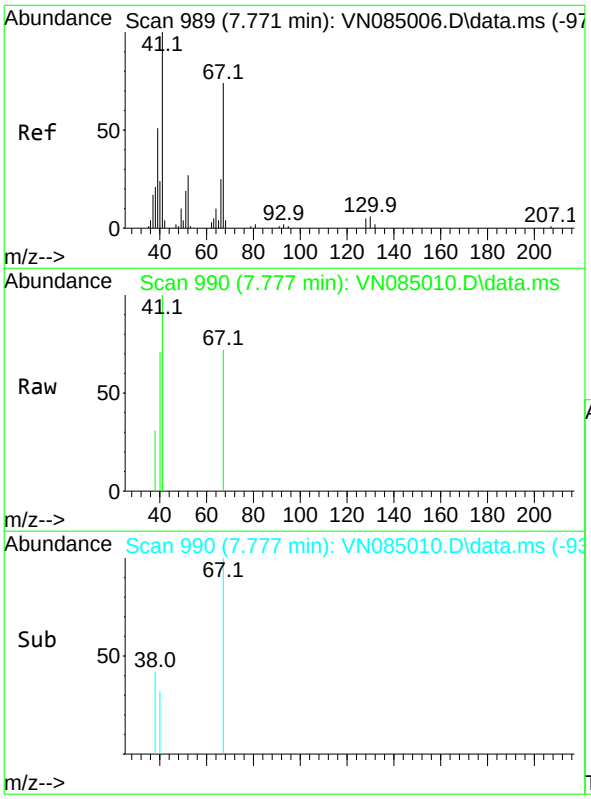
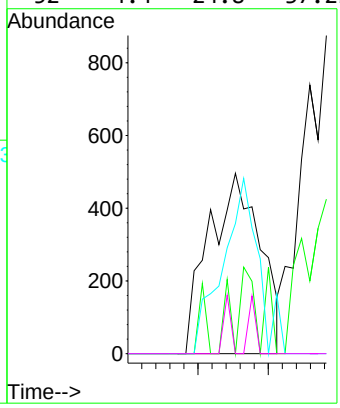
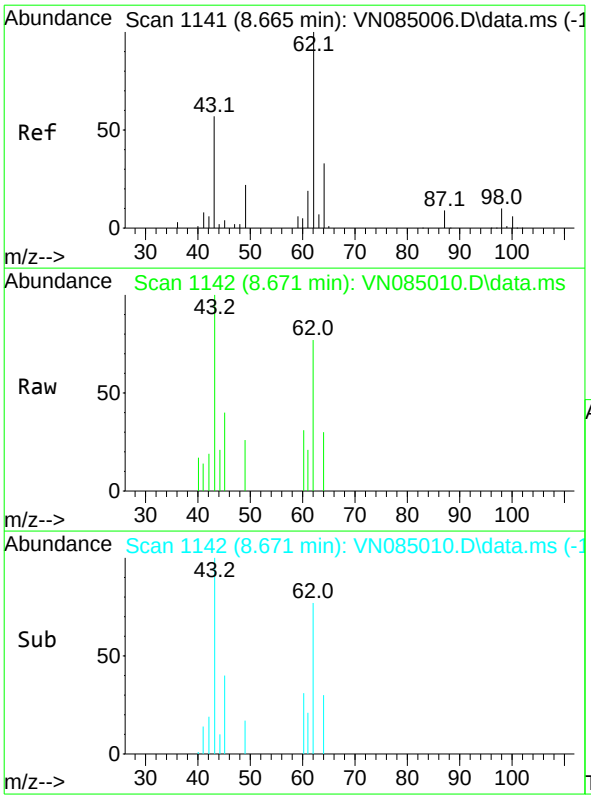


#41
Methacrylonitrile
Concen: 1.077 ug/l
RT: 7.777 min Scan# 990
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 41 Resp: 1263

Ion	Ratio	Lower	Upper
41	100		
39	17.9	42.6	63.8#
67	67.1	59.9	89.9
52	4.4	24.8	37.2#

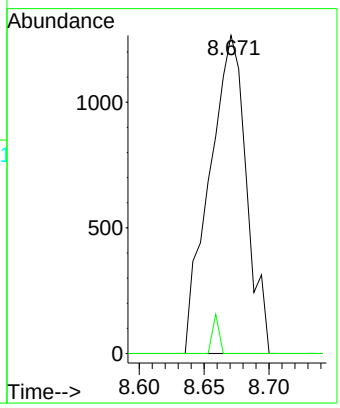




#42
1,2-Dichloroethane
Concen: 0.996 ug/l
RT: 8.671 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 62 Resp: 2512

Ion	Ratio	Lower	Upper
62	100		
98	2.2	0.0	18.2



Instrument :
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ClientSampleId :
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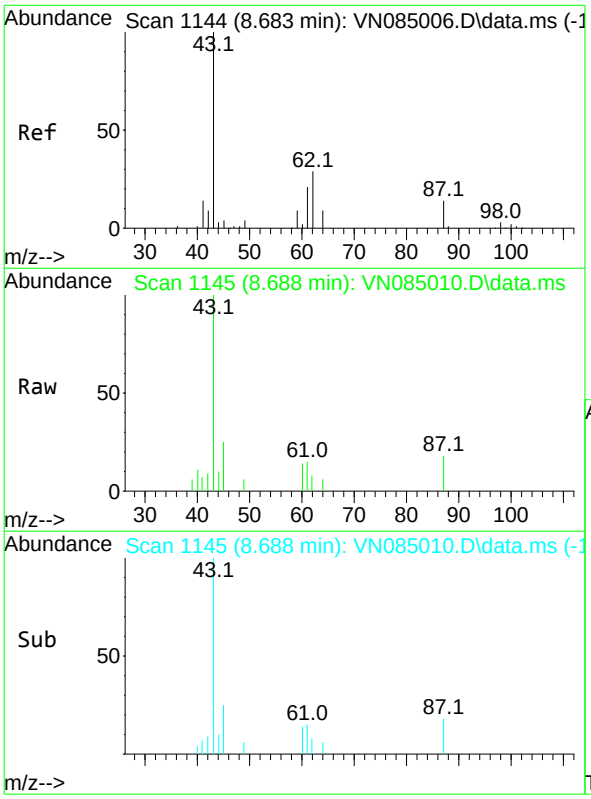
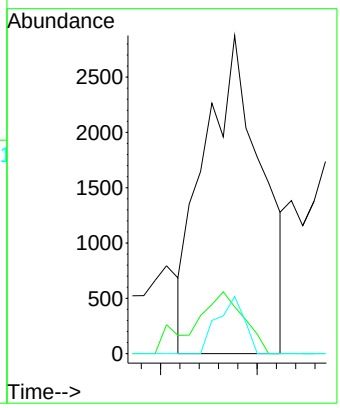
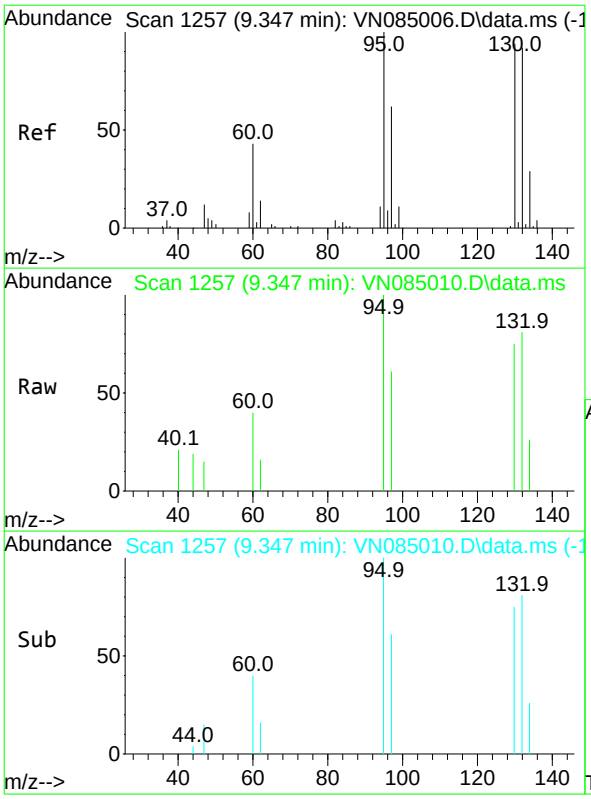


#43
Isopropyl Acetate
Concen: 1.342 ug/l m
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 43 Resp: 5905

Ion	Ratio	Lower	Upper
43	100		
61	17.0	20.6	30.8#
87	8.6	11.0	16.4#

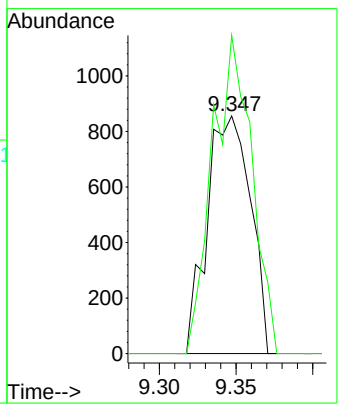




#44
Trichloroethene
Concen: 0.984 ug/l
RT: 9.347 min Scan# 12
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:130 Resp: 1685

Ion	Ratio	Lower	Upper
130	100		
95	133.9	0.0	213.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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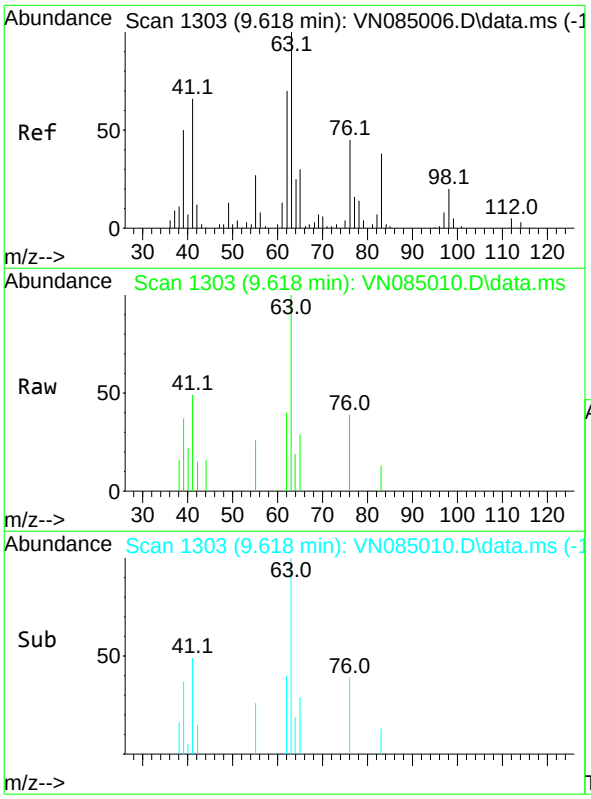
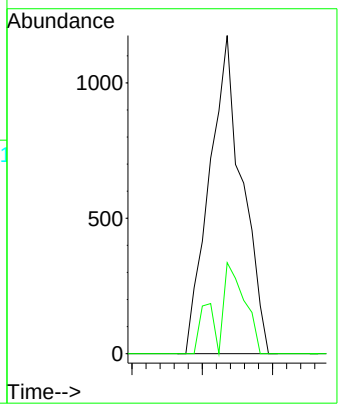
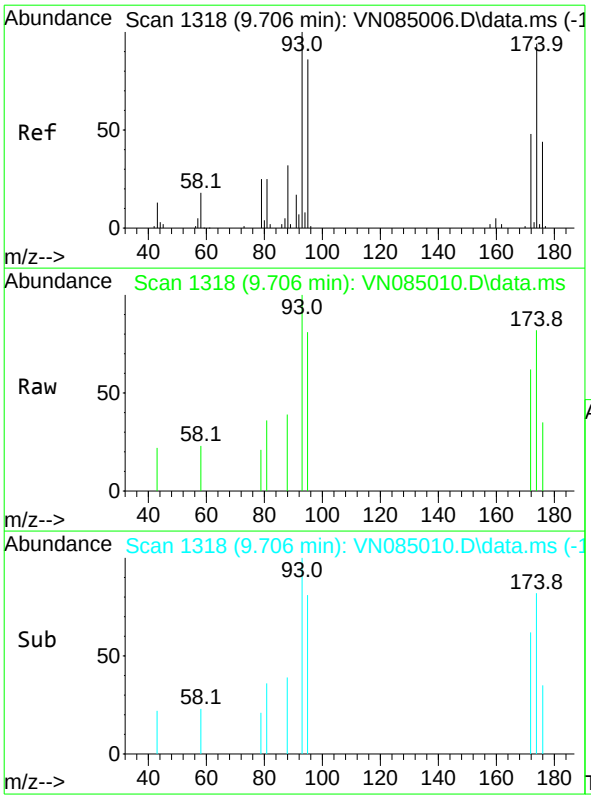


#45
1,2-Dichloropropane
Concen: 1.053 ug/l
RT: 9.618 min Scan# 1303
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 63 Resp: 1911

Ion	Ratio	Lower	Upper
63	100		
65	28.6	24.0	36.0

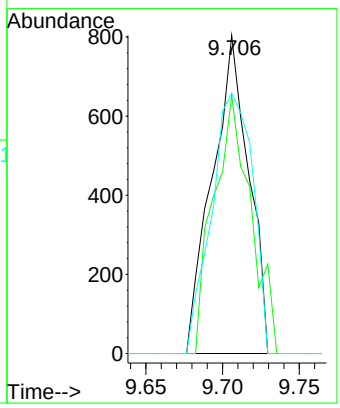




#46
Dibromomethane
Concen: 1.052 ug/l
RT: 9.706 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 93 Resp: 1327

Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.2	99.4
174	92.9	74.9	112.3



Instrument :
MSVOA_N
ClientSampleId :
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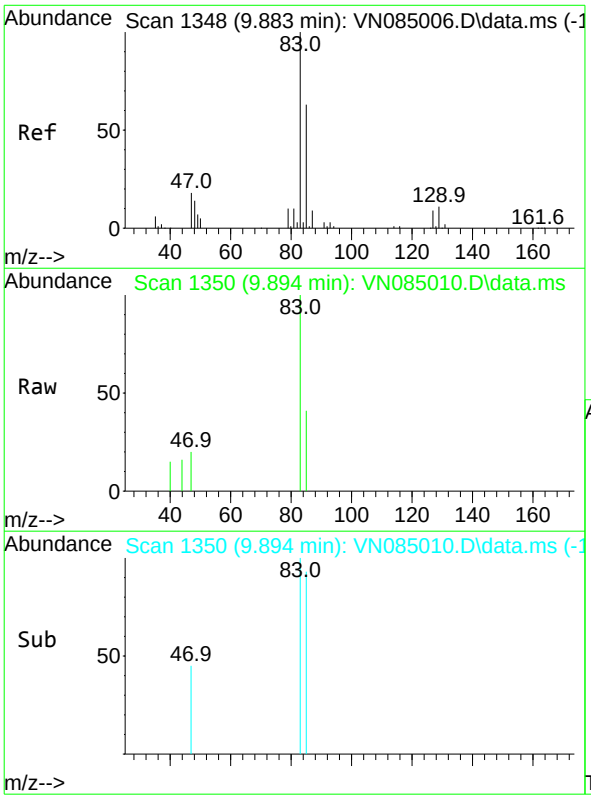
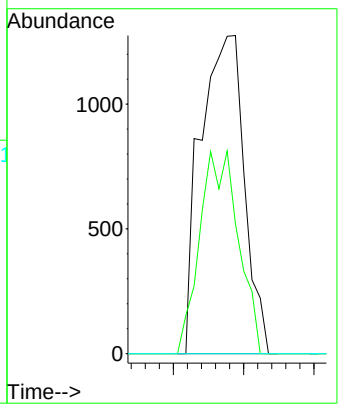
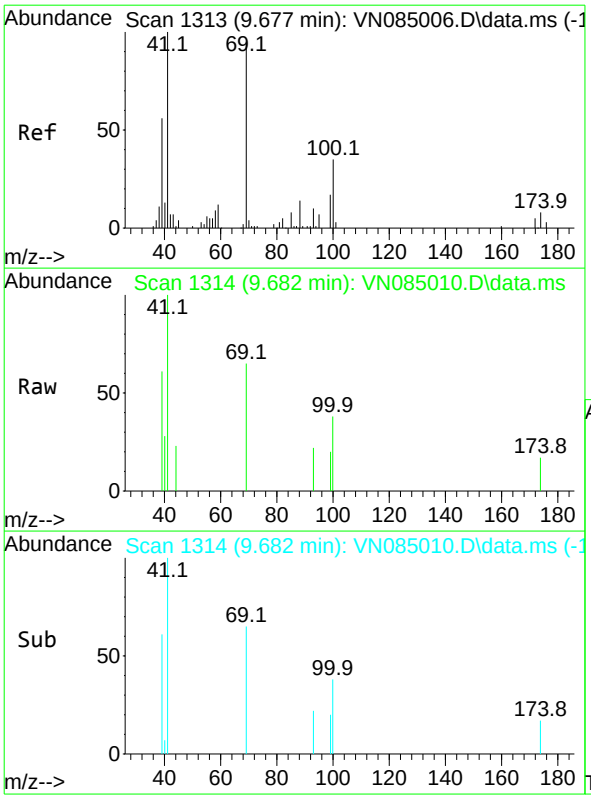


#47
Bromodichloromethane
Concen: 1.031 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.012 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 83 Resp: 2757

Ion	Ratio	Lower	Upper
83	100		
85	40.9	50.5	75.7#
127	0.0	7.1	10.7#

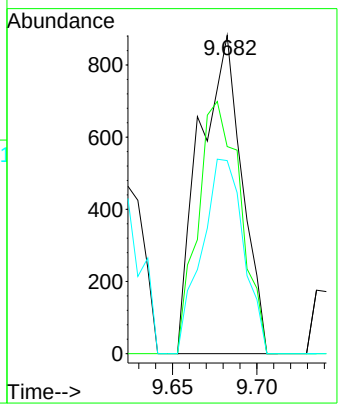




#48
Methyl methacrylate
Concen: 0.946 ug/l
RT: 9.682 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 41 Resp: 1550

Ion	Ratio	Lower	Upper
41	100		
69	79.2	73.2	109.8
39	60.1	46.2	69.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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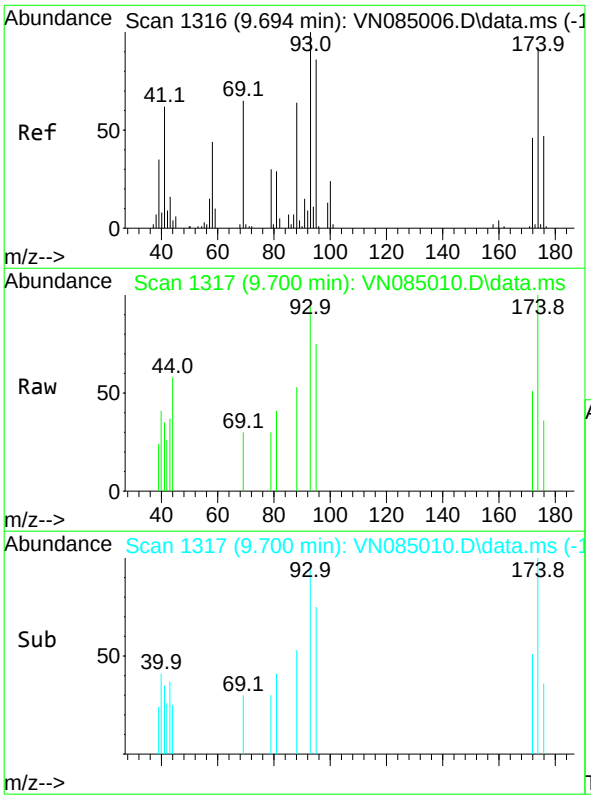
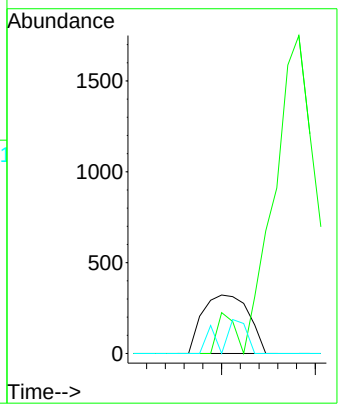
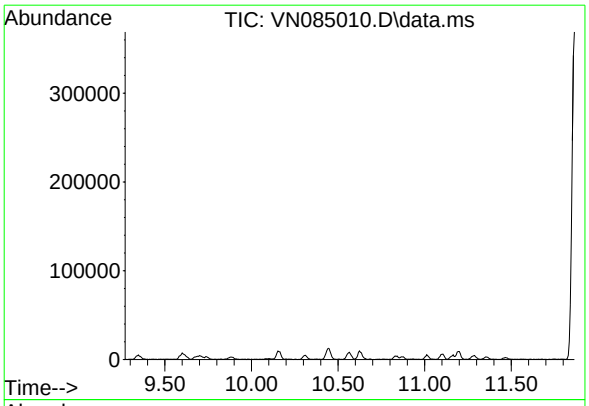


#49
1,4-Dioxane
Concen: 19.470 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 88 Resp: 553

Ion	Ratio	Lower	Upper
88	100		
43	0.0	16.7	25.1#
58	32.4	56.5	84.7#





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.56 min

Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 98

Sig	Exp Ratio
98	100
100	65.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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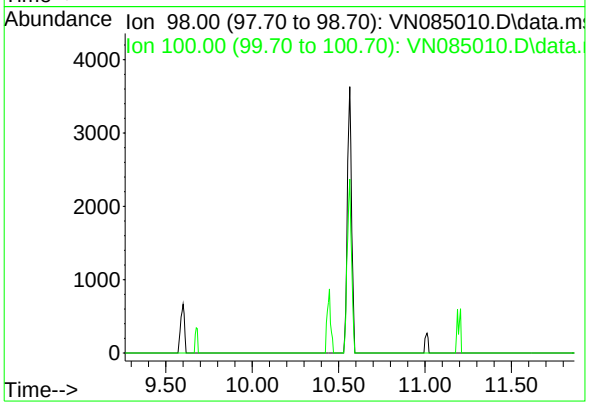
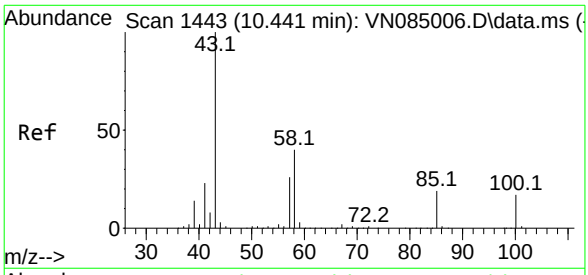
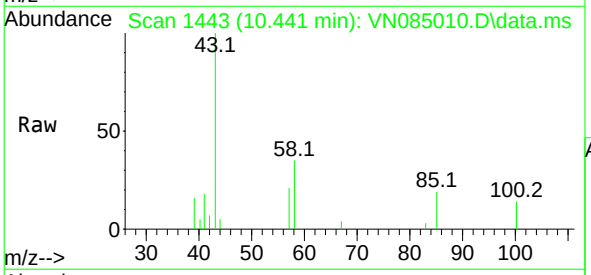


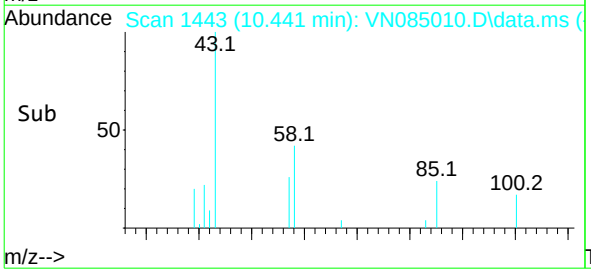


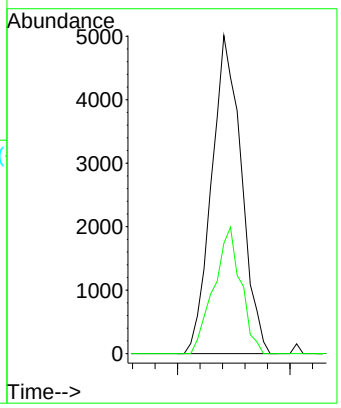
#51
4-Methyl-2-Pentanone
Concen: 4.578 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

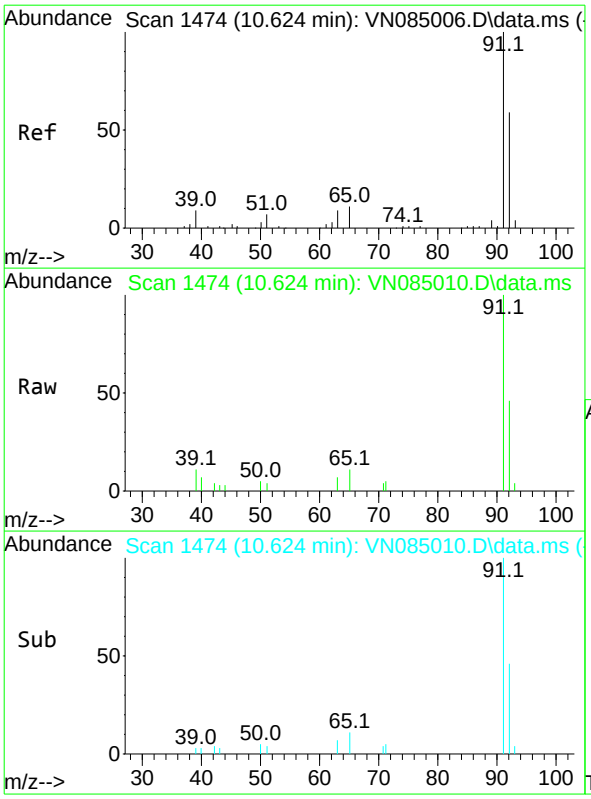
Tgt Ion: 43 Resp: 9203

Ion	Ratio	Lower	Upper
43	100		
58	36.0	32.1	48.1





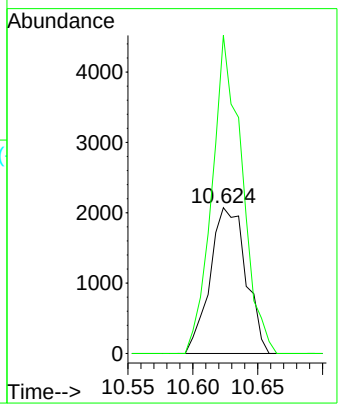




#52
Toluene
Concen: 0.912 ug/l
RT: 10.624 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 92 Resp: 3979

Ion	Ratio	Lower	Upper
92	100		
91	182.5	136.7	205.1



Instrument :
MSVOA_N
ClientSampleId :
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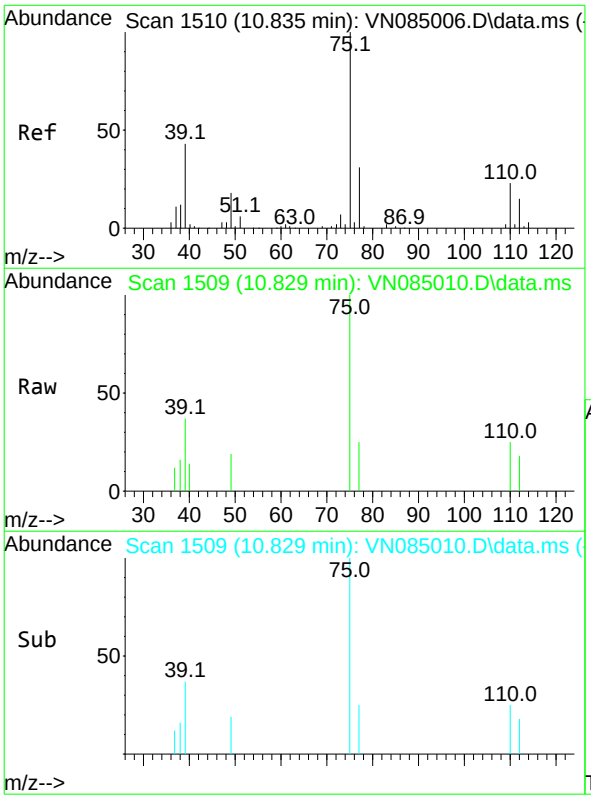
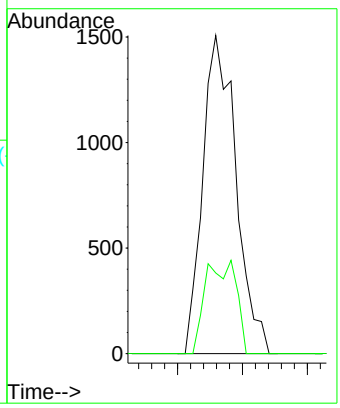
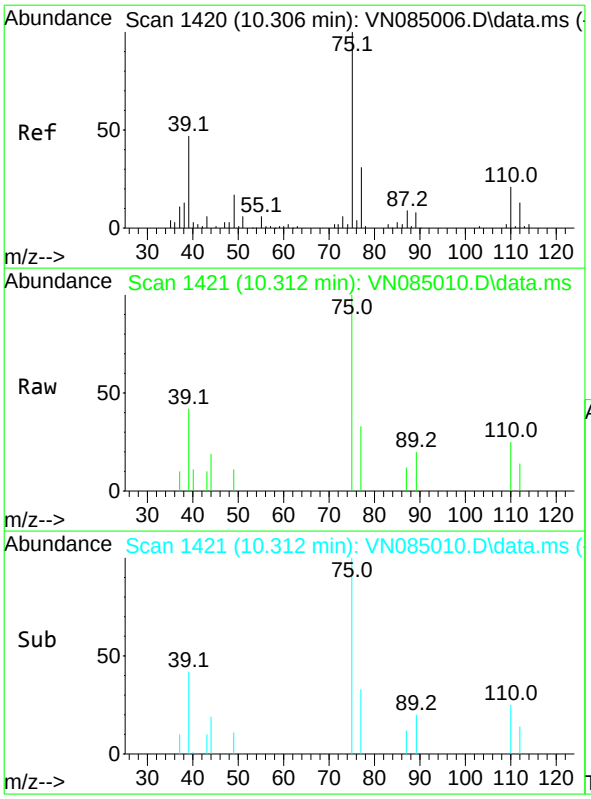


#53
t-1,3-Dichloropropene
Concen: 1.000 ug/l
RT: 10.829 min Scan# 1509
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 75 Resp: 2680

Ion	Ratio	Lower	Upper
75	100		
77	25.3	25.0	37.4

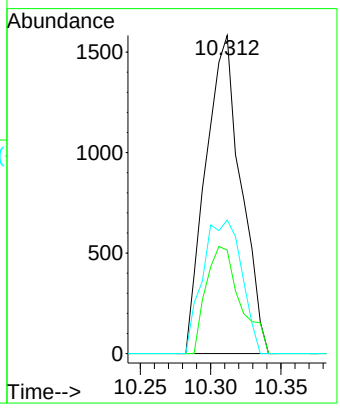




#54
cis-1,3-Dichloropropene
Concen: 0.970 ug/l
RT: 10.312 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 75 Resp: 2759

Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.0	37.4
39	41.9	37.6	56.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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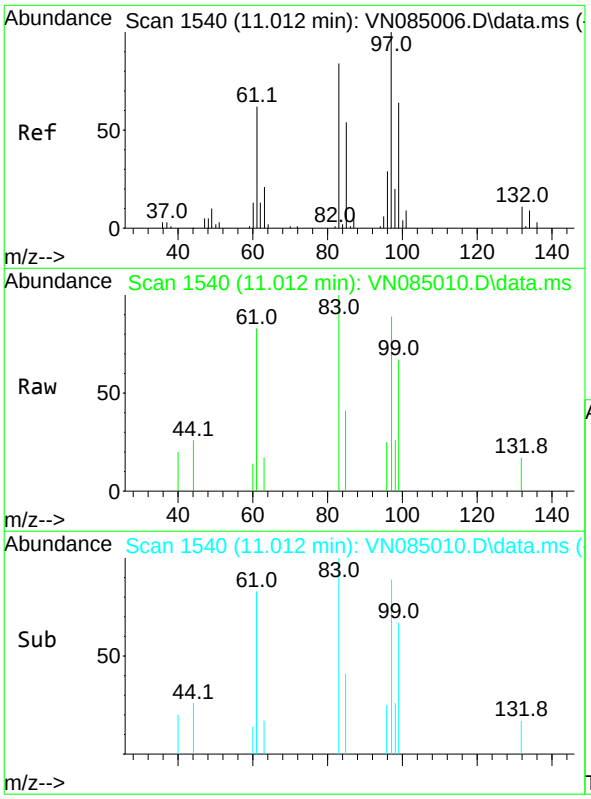
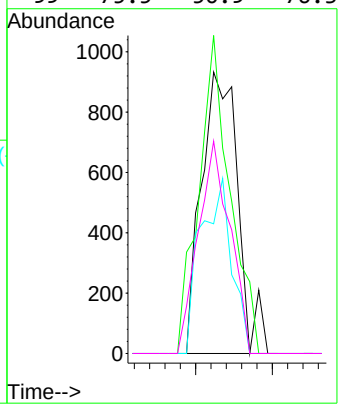
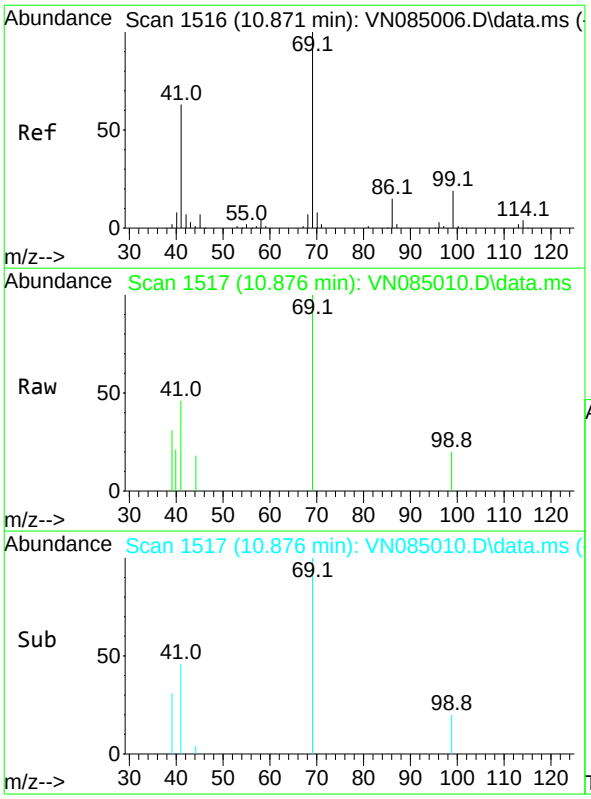


#55
1,1,2-Trichloroethane
Concen: 0.945 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 97 Resp: 1536

Ion	Ratio	Lower	Upper
97	100		
83	113.0	67.4	101.2#
85	46.1	43.1	64.7
99	75.5	50.9	76.3

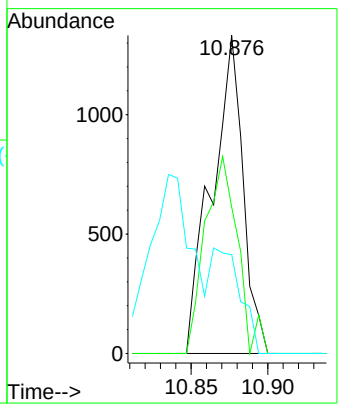




#56
Ethyl methacrylate
Concen: 0.795 ug/l
RT: 10.876 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 69 Resp: 1888

Ion	Ratio	Lower	Upper
69	100		
41	64.1	50.0	75.0
39	31.6	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
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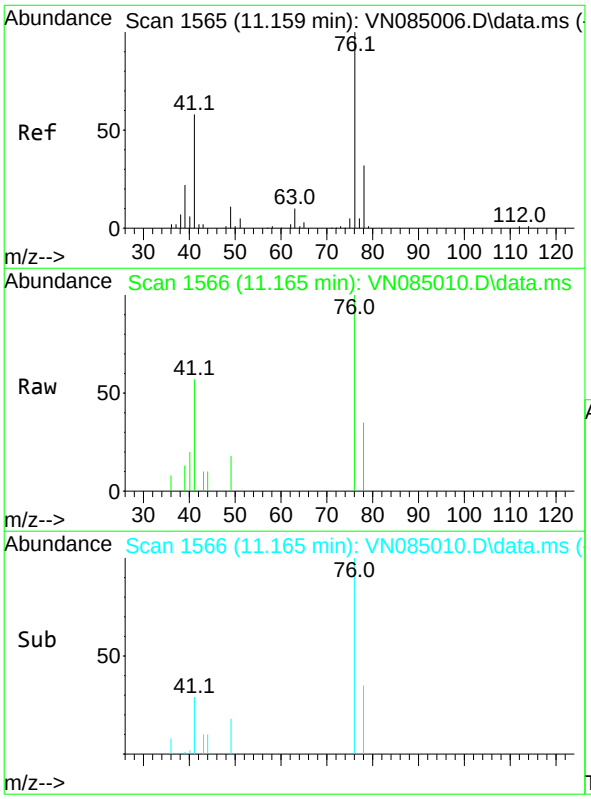
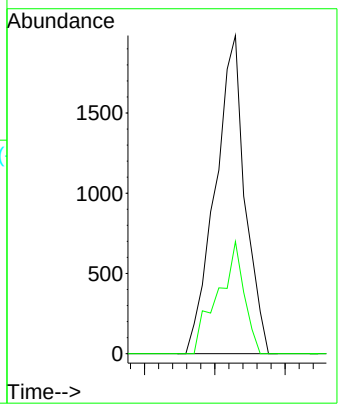
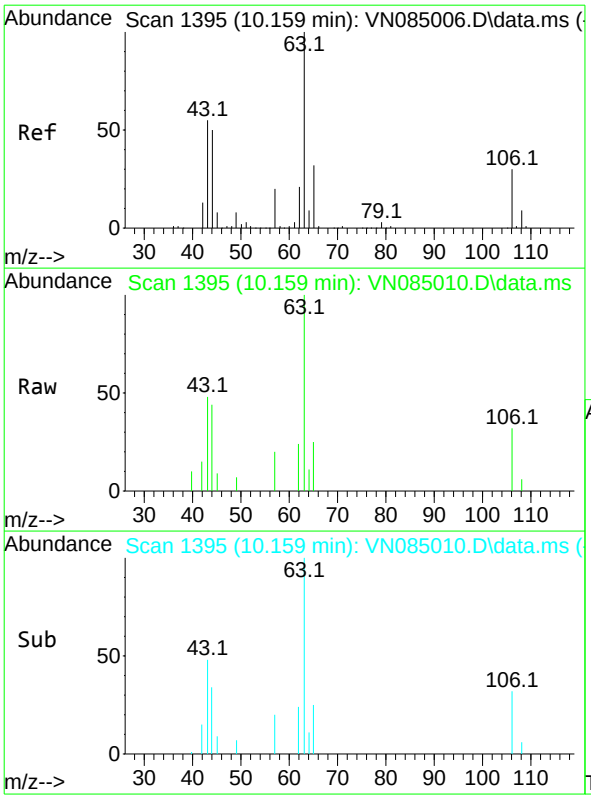


#57
1,3-Dichloropropane
Concen: 1.020 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 76 Resp: 2917

Ion	Ratio	Lower	Upper
76	100		
78	31.1	26.1	39.1

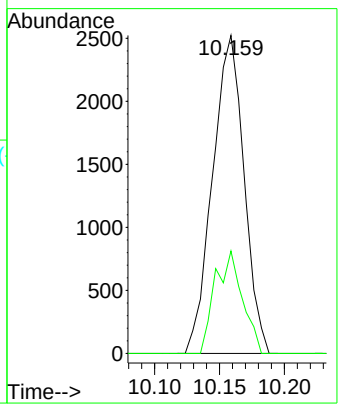




#58
2-Chloroethyl Vinyl ether
Concen: 3.651 ug/l
RT: 10.159 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 63 Resp: 4254

Ion	Ratio	Lower	Upper
63	100		
106	28.0	23.0	34.6



Instrument :
MSVOA_N
ClientSampleId :
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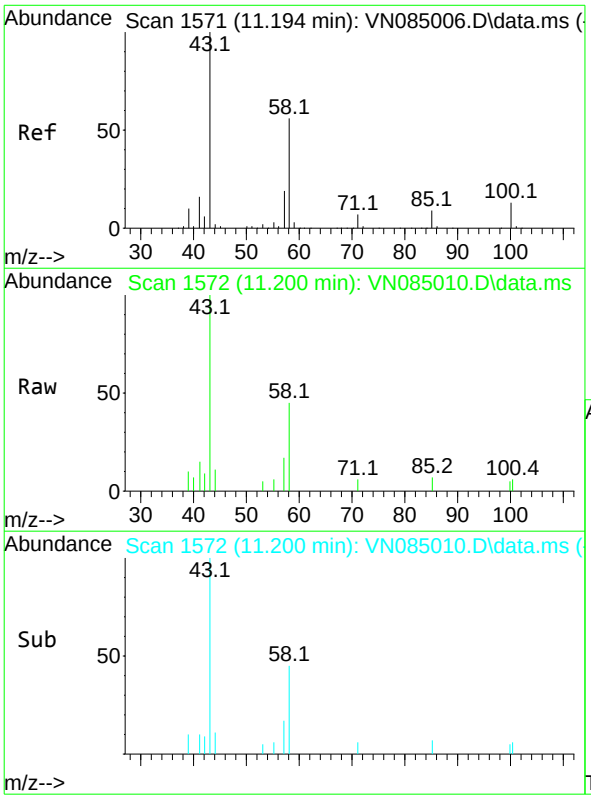
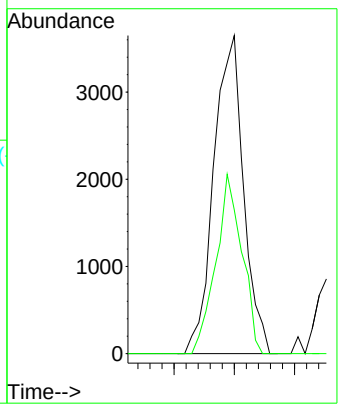
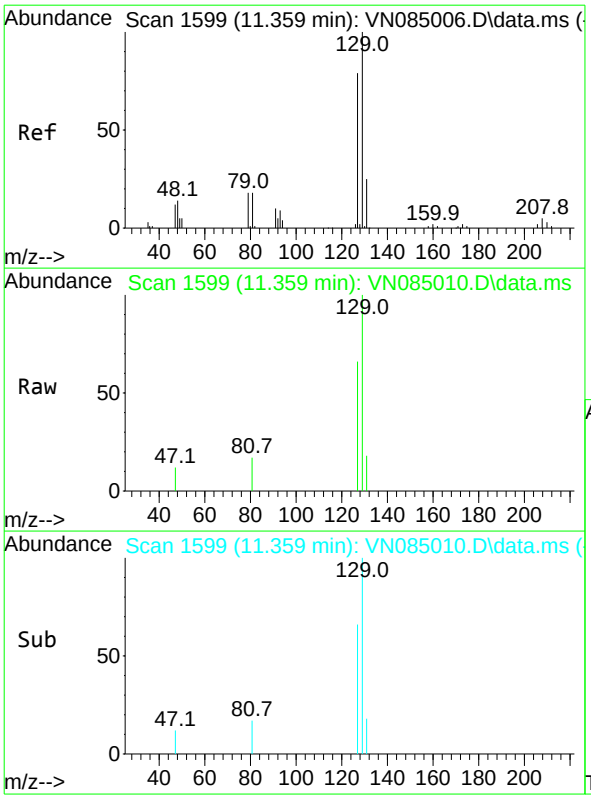


#59
2-Hexanone
Concen: 4.166 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 43 Resp: 6264

Ion	Ratio	Lower	Upper
43	100		
58	49.4	28.3	85.0

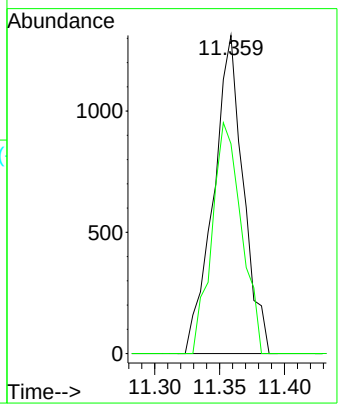




#60
Dibromochloromethane
Concen: 1.057 ug/l
RT: 11.359 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:129 Resp: 2099

Ion	Ratio	Lower	Upper
129	100		
127	72.0	39.2	117.6



Instrument :
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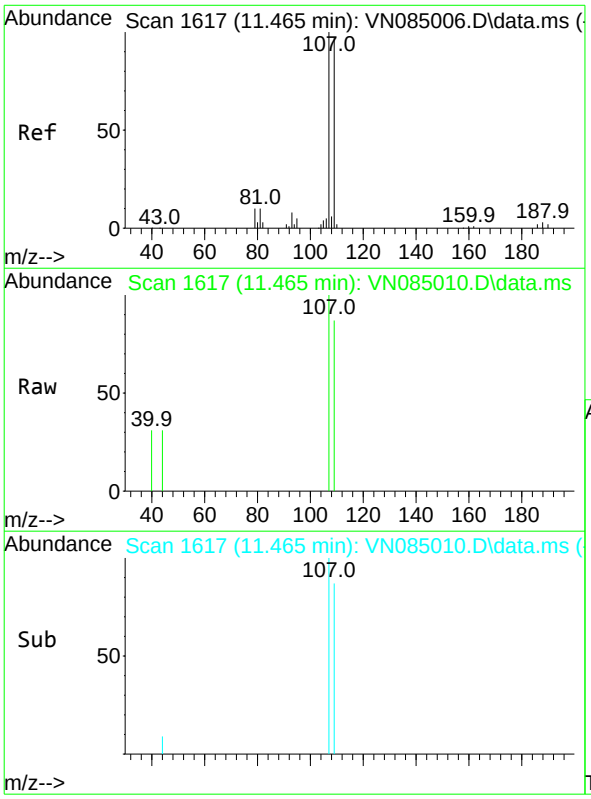
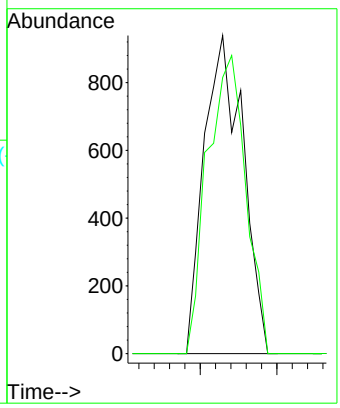
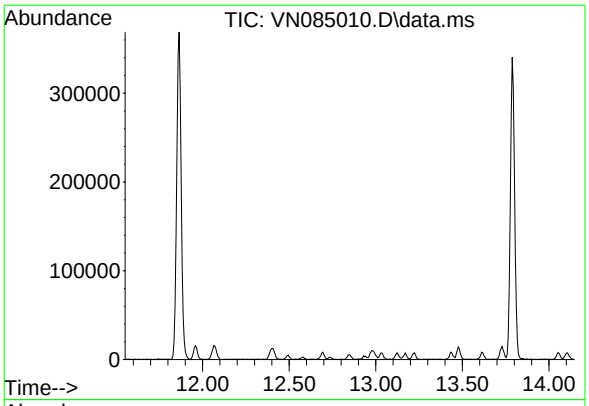


#61
1,2-Dibromoethane
Concen: 0.980 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:107 Resp: 1648

Ion	Ratio	Lower	Upper
107	100		
109	93.0	76.1	114.1





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.85 min

Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 95

Sig	Exp Ratio
95	100
174	73.3
176	70.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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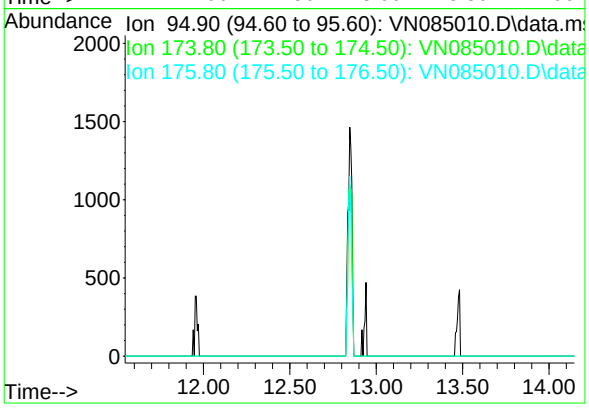
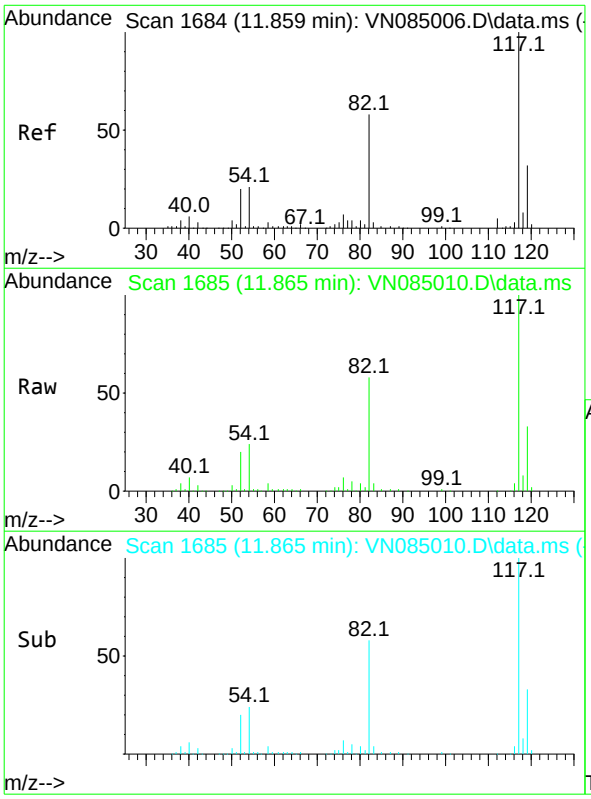
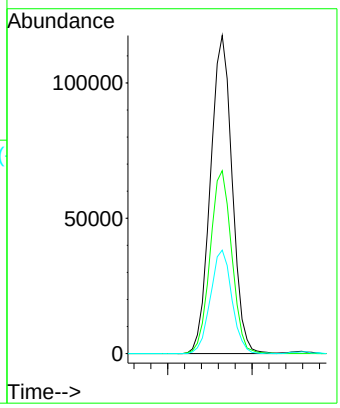


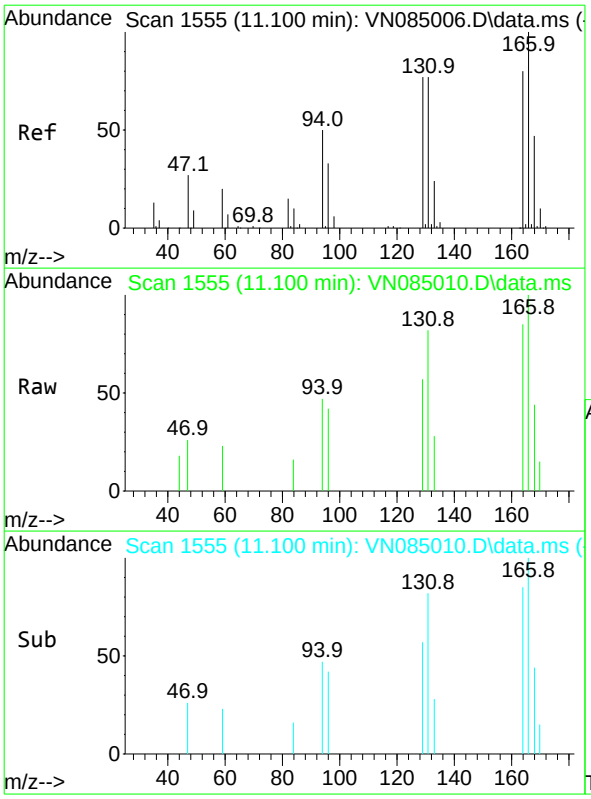


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:117 Resp: 210265

Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.0	69.0
119	32.5	25.6	38.4

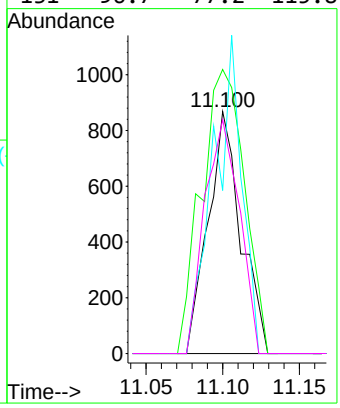




#64
Tetrachloroethene
Concen: 0.911 ug/l
RT: 11.100 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:164 Resp: 1291

Ion	Ratio	Lower	Upper
164	100		
166	117.4	100.6	151.0
129	67.4	77.7	116.5#
131	96.7	77.2	115.8



Instrument :
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ClientSampleId :
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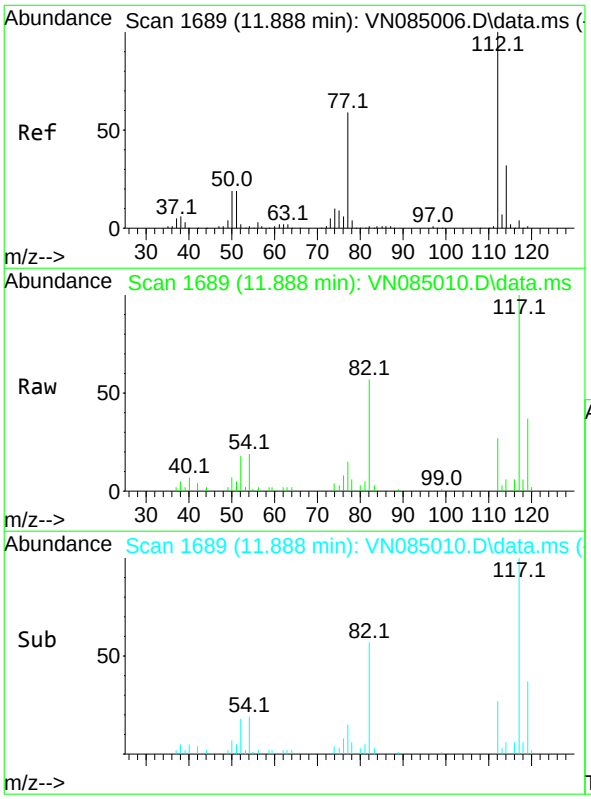
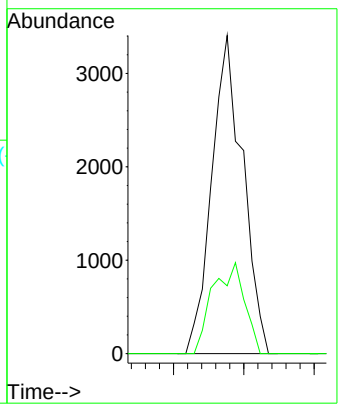
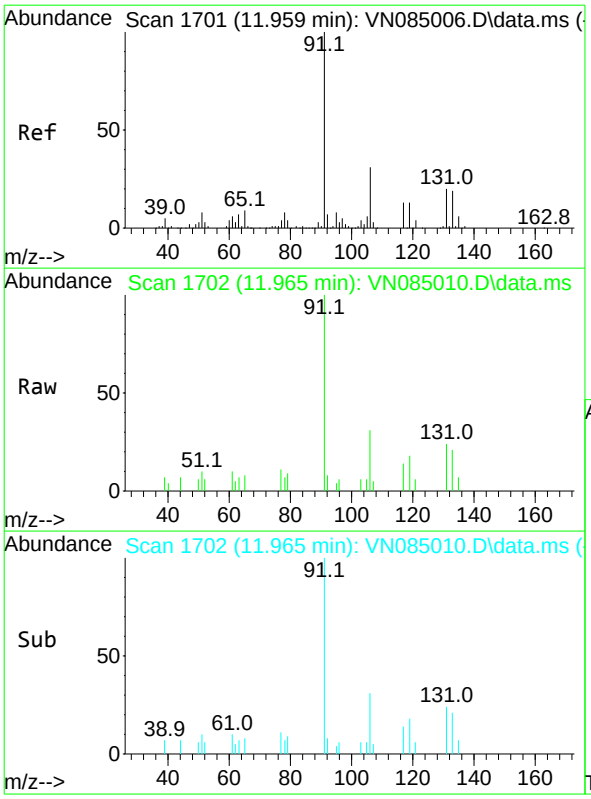


#65
Chlorobenzene
Concen: 1.094 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:112 Resp: 5217

Ion	Ratio	Lower	Upper
112	100		
114	21.3	25.8	38.6#

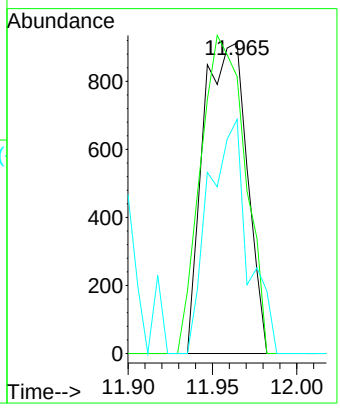




#66
1,1,1,2-Tetrachloroethane
Concen: 0.976 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:131 Resp: 1639

Ion	Ratio	Lower	Upper
131	100		
133	104.3	47.8	143.4
119	0.0	32.1	96.3#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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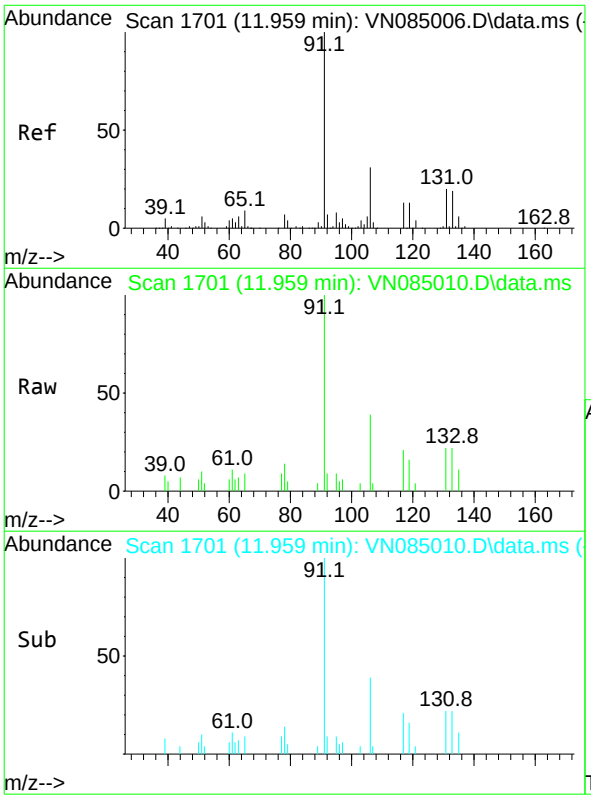
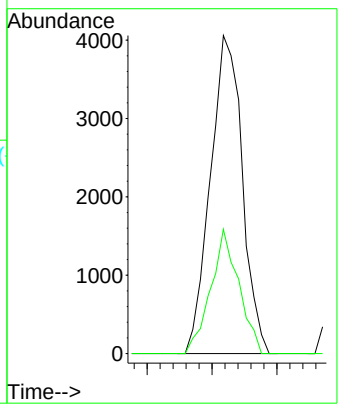
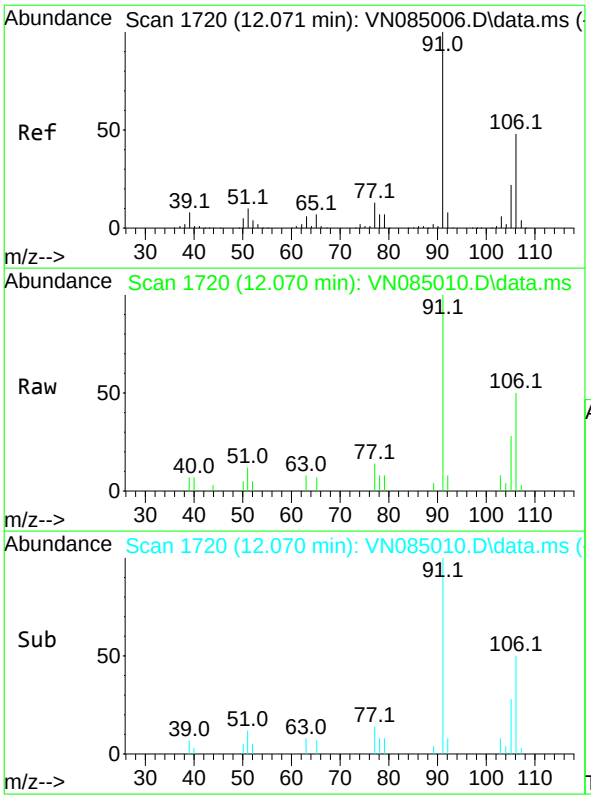


#67
Ethyl Benzene
Concen: 0.894 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 91 Resp: 6914

Ion	Ratio	Lower	Upper
91	100		
106	39.1	24.7	37.1#

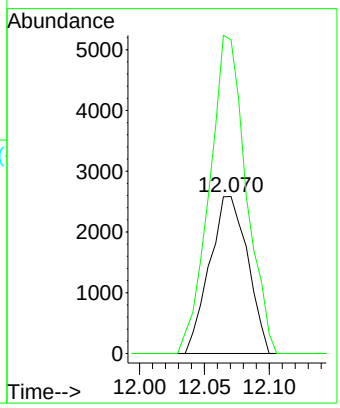




#68
m/p-Xylenes
Concen: 1.789 ug/l
RT: 12.070 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:106 Resp: 5269

Ion	Ratio	Lower	Upper
106	100		
91	195.9	168.0	252.0



Instrument :
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ClientSampleId :
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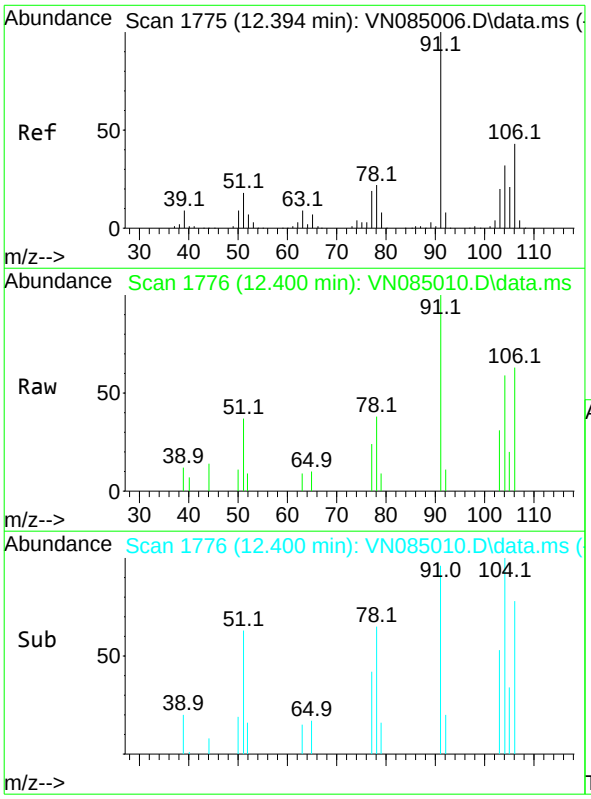
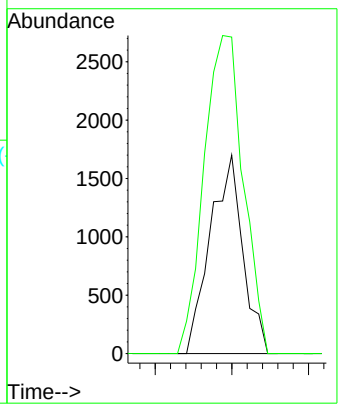
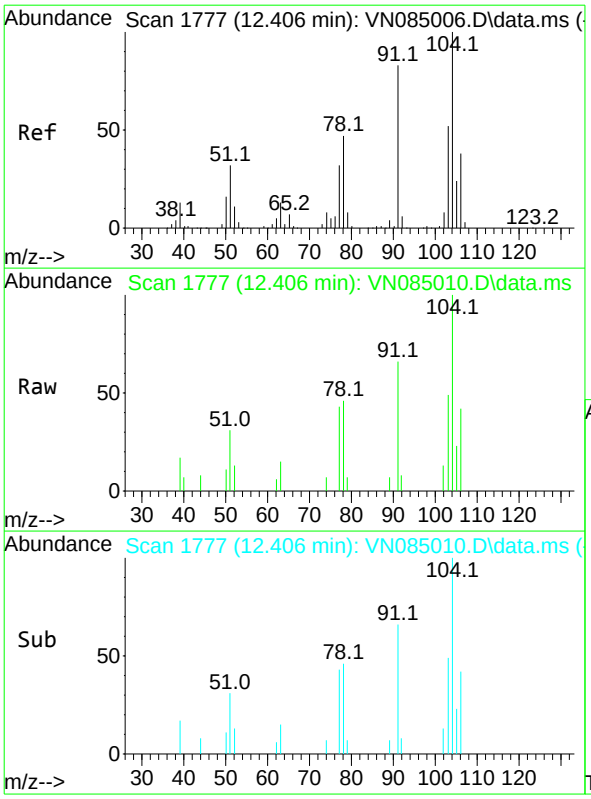


#69
o-Xylene
Concen: 0.897 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:106 Resp: 2514

Ion	Ratio	Lower	Upper
106	100		
91	192.8	110.7	331.9

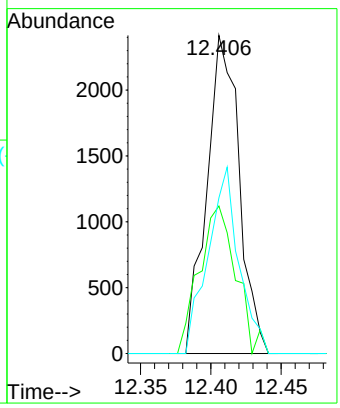




#70
Styrene
Concen: 0.831 ug/l
RT: 12.406 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:104 Resp: 3871

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.3	63.5
103	56.0	44.2	66.2



Instrument :
MSVOA_N
ClientSampleId :
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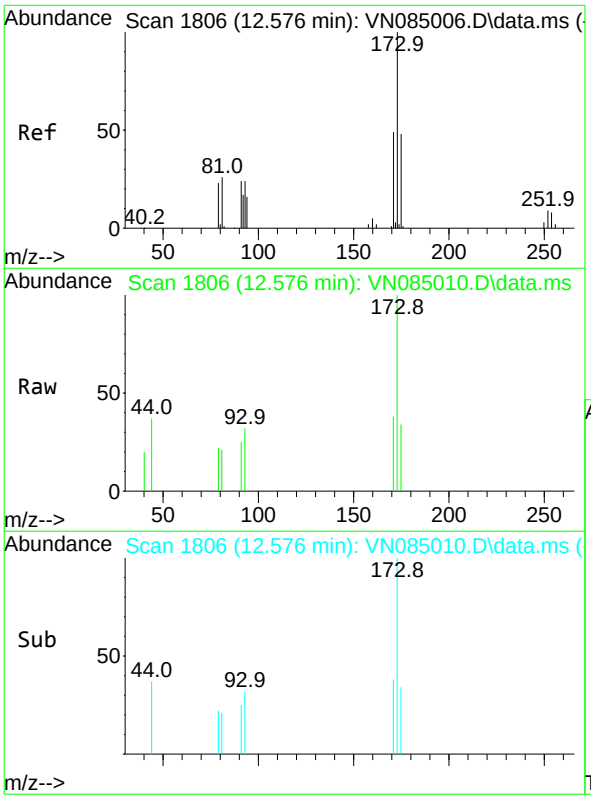
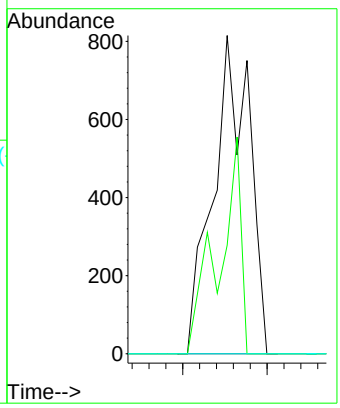
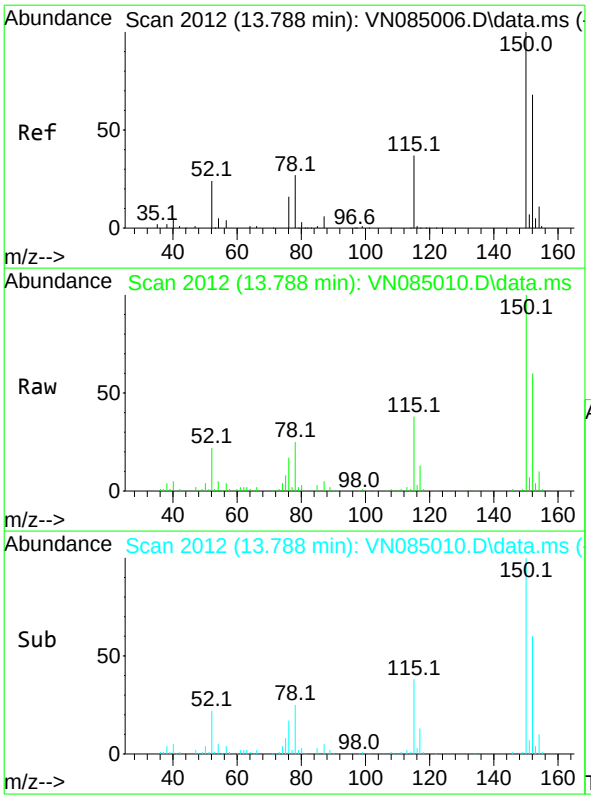


#71
Bromoform
Concen: 0.975 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:173 Resp: 1215

Ion	Ratio	Lower	Upper
173	100		
175	42.1	23.8	71.2
254	0.0	0.0	0.0

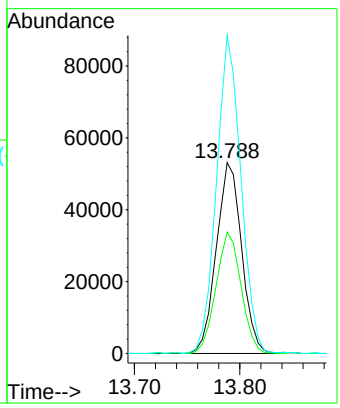




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:152 Resp: 88784

Ion	Ratio	Lower	Upper
152	100		
115	62.8	31.7	95.1
150	161.6	0.0	351.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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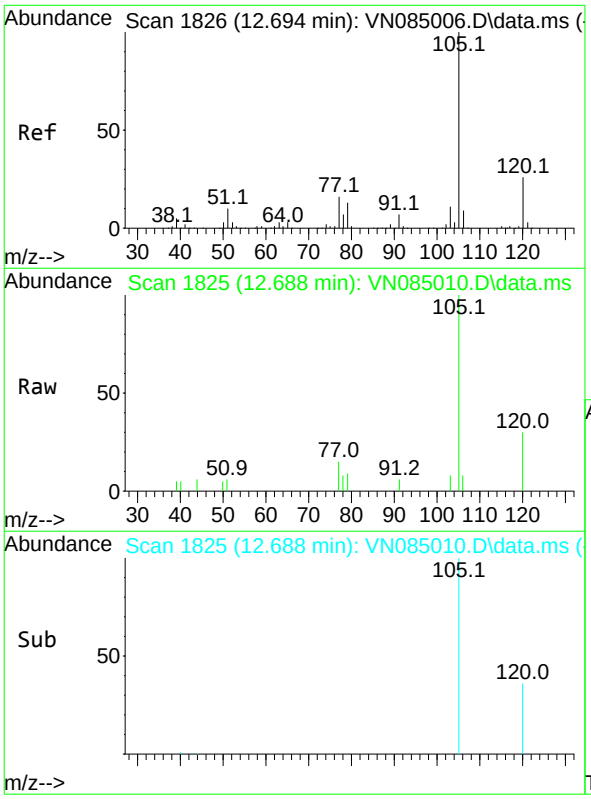
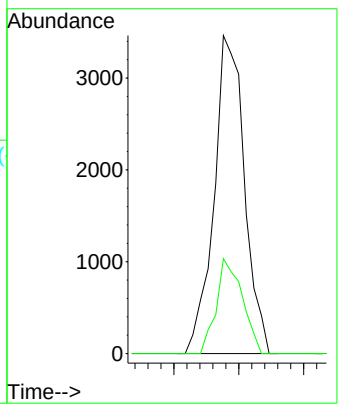
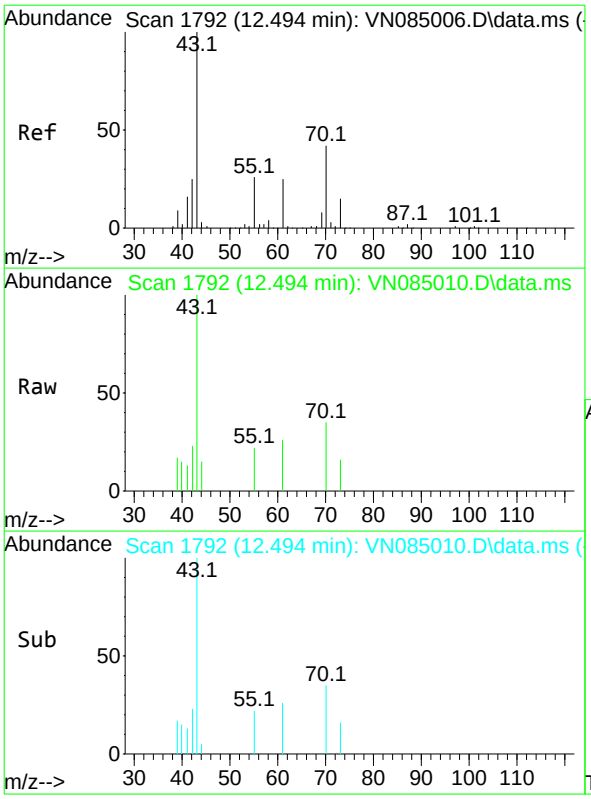


#73
Isopropylbenzene
Concen: 0.900 ug/l
RT: 12.688 min Scan# 1825
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:105 Resp: 5637

Ion	Ratio	Lower	Upper
105	100		
120	25.5	13.0	39.0

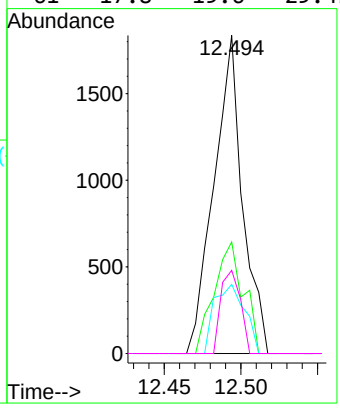




#74
N-amyl acetate
Concen: 0.921 ug/l
RT: 12.494 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 43 Resp: 2377

Ion	Ratio	Lower	Upper
43	100		
70	36.0	34.6	51.8
55	23.1	20.5	30.7
61	17.8	19.6	29.4#



Instrument :
MSVOA_N
ClientSampleId :
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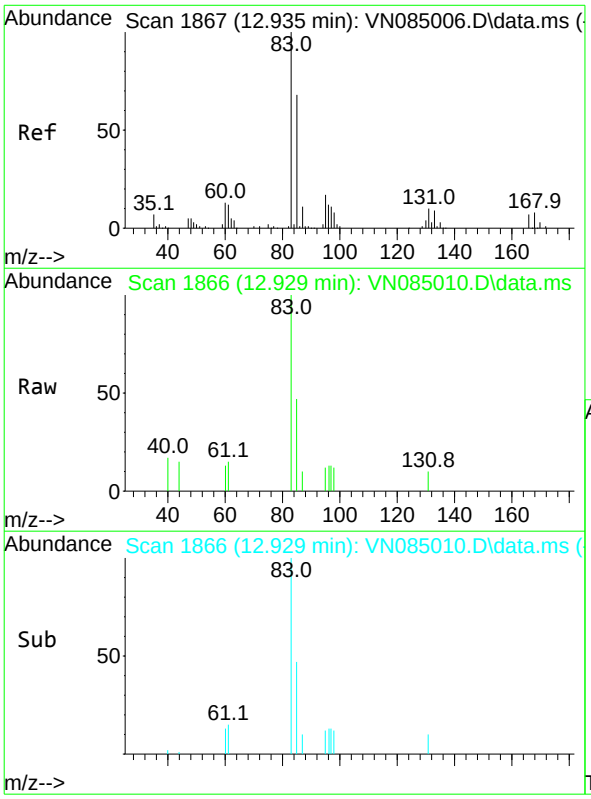
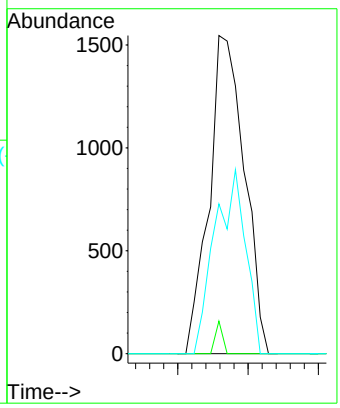
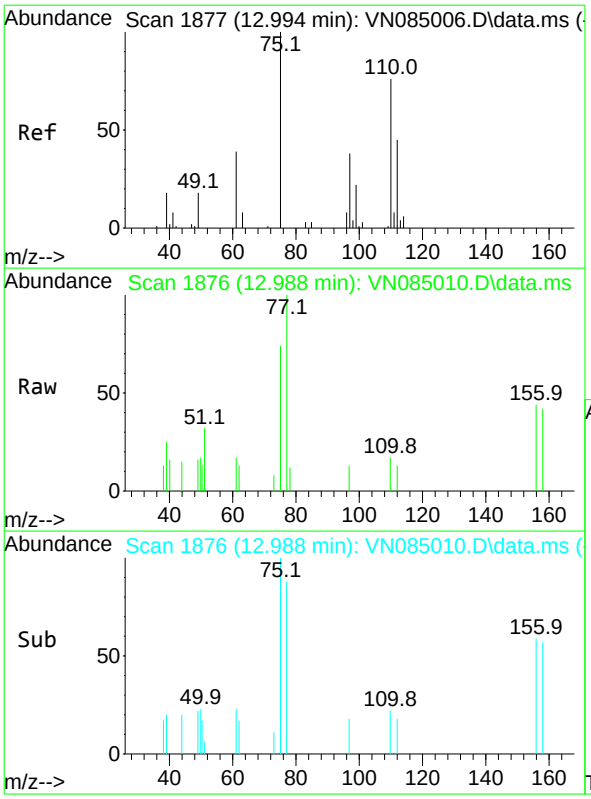


#75
1,1,2,2-Tetrachloroethane
Concen: 1.260 ug/l
RT: 12.929 min Scan# 1866
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 83 Resp: 2694

Ion	Ratio	Lower	Upper
83	100		
131	2.1	5.1	15.4#
85	50.6	32.1	96.3

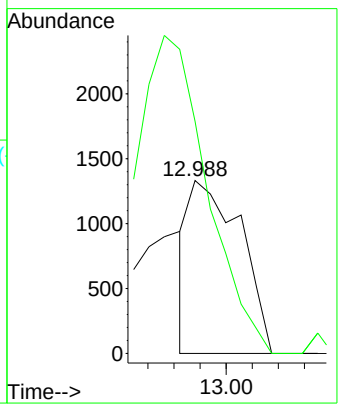




#76
1,2,3-Trichloropropane
Concen: 1.093 ug/l m
RT: 12.988 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 75 Resp: 1816

Ion	Ratio	Lower	Upper
75	100		
77	257.4	109.1	327.4



Instrument :
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ClientSampleId :
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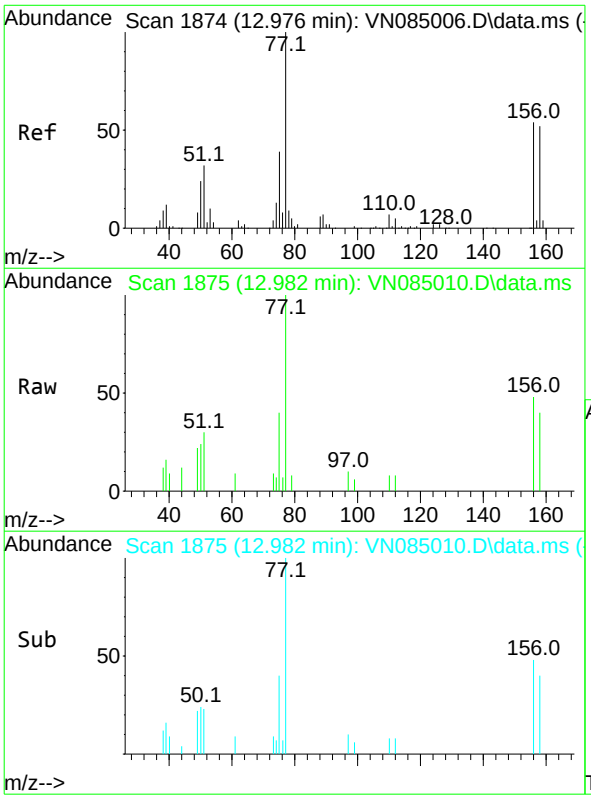
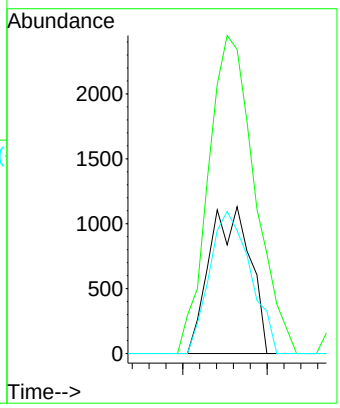
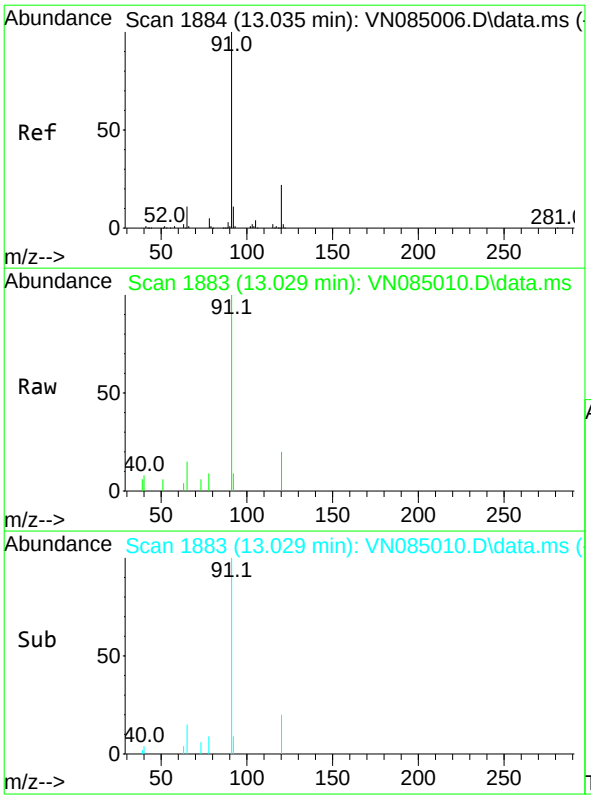


#77
Bromobenzene
Concen: 1.129 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:156 Resp: 1903

Ion	Ratio	Lower	Upper
156	100		
77	245.7	107.2	321.6
158	97.5	48.5	145.6

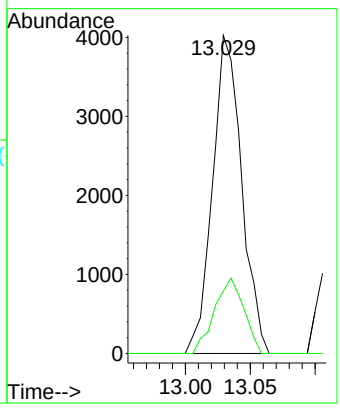




#78
n-propylbenzene
Concen: 0.869 ug/l
RT: 13.029 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 91 Resp: 6275

Ion	Ratio	Lower	Upper
91	100		
120	24.0	11.3	33.9



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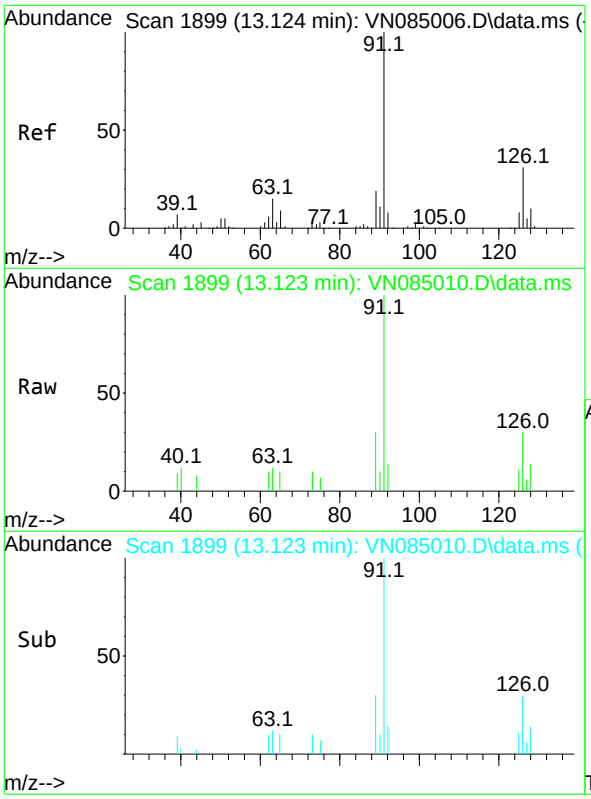
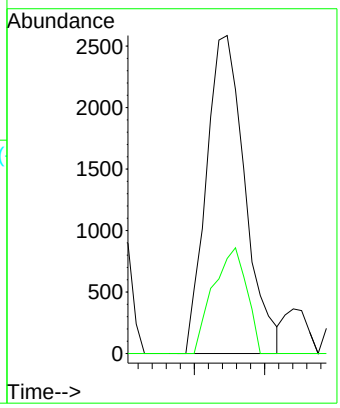
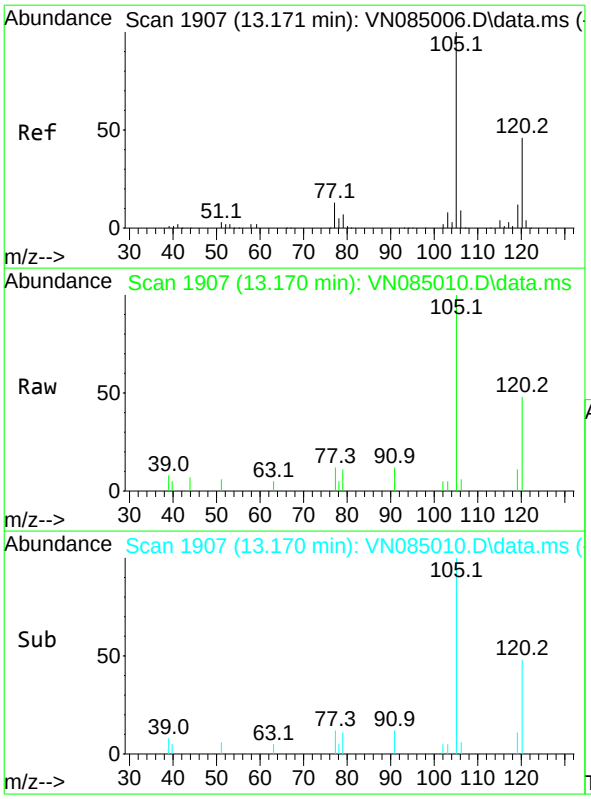


#79
2-Chlorotoluene
Concen: 1.023 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 91 Resp: 4935

Ion	Ratio	Lower	Upper
91	100		
126	28.8	16.1	48.3

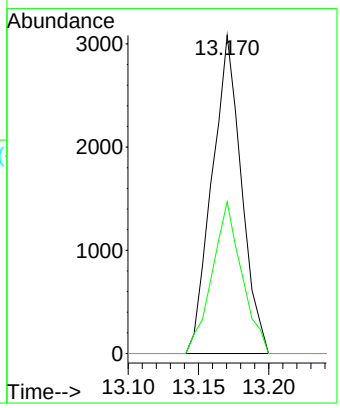




#80
1,3,5-Trimethylbenzene
Concen: 0.851 ug/l
RT: 13.170 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:105 Resp: 4473

Ion	Ratio	Lower	Upper
105	100		
120	48.3	23.6	71.0



Instrument :
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ClientSampleId :
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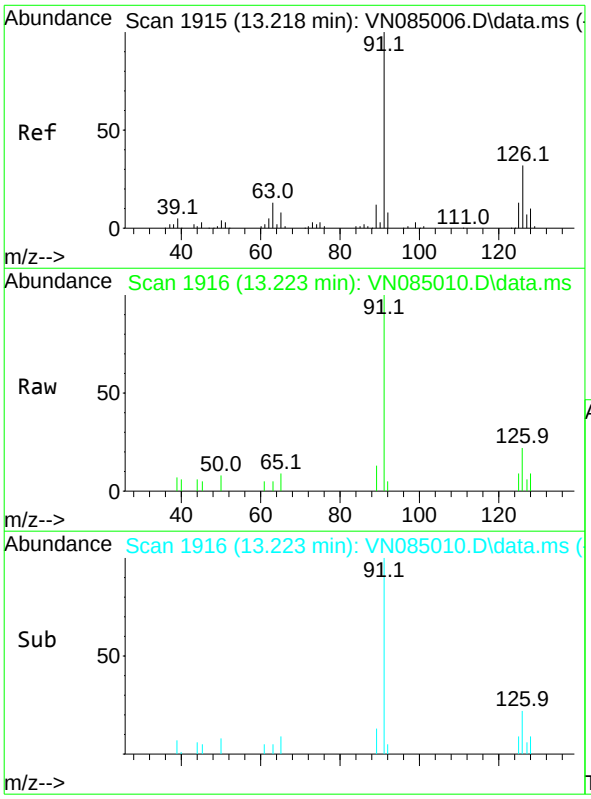
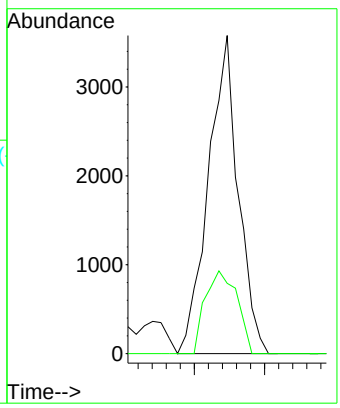
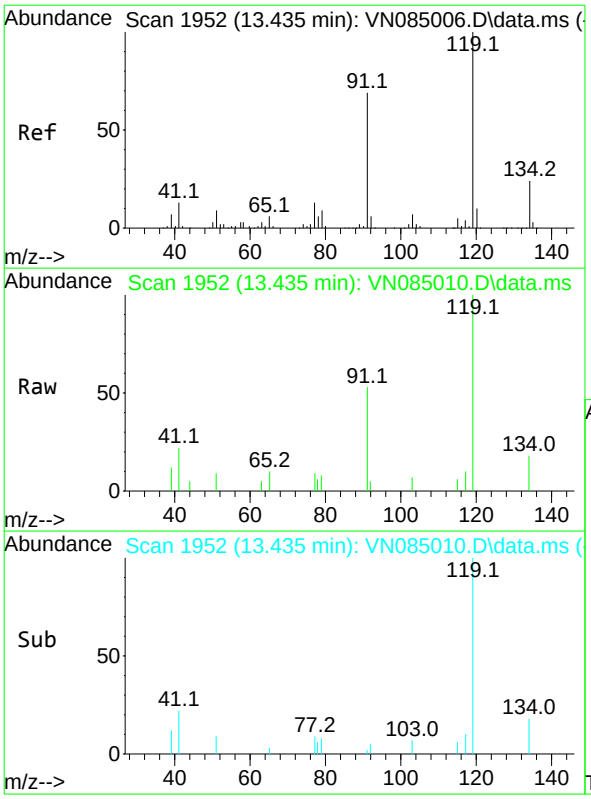


#82
4-Chlorotoluene
Concen: 1.053 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 91 Resp: 5286

Ion	Ratio	Lower	Upper
91	100		
126	27.6	16.1	48.3

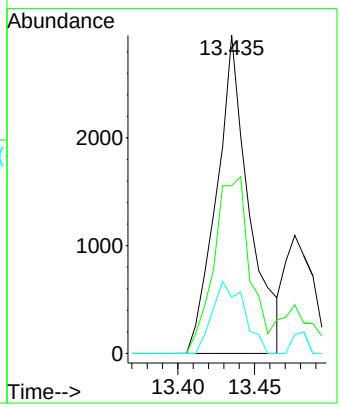




#83
tert-Butylbenzene
Concen: 0.963 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:119 Resp: 4357

Ion	Ratio	Lower	Upper
119	100		
91	61.2	35.1	105.5
134	22.2	12.1	36.3



Instrument :
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ClientSampleId :
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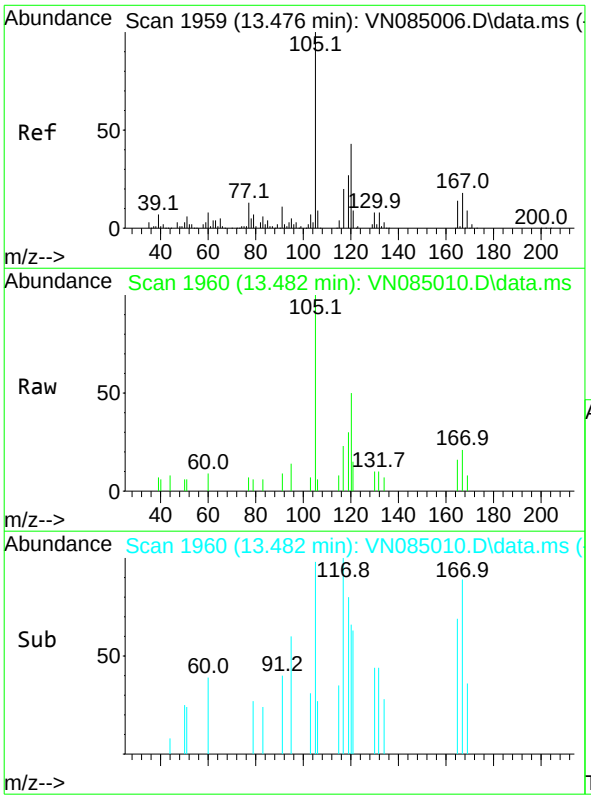
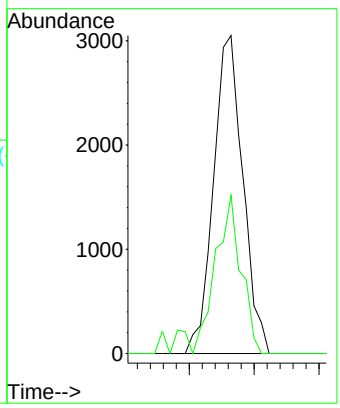
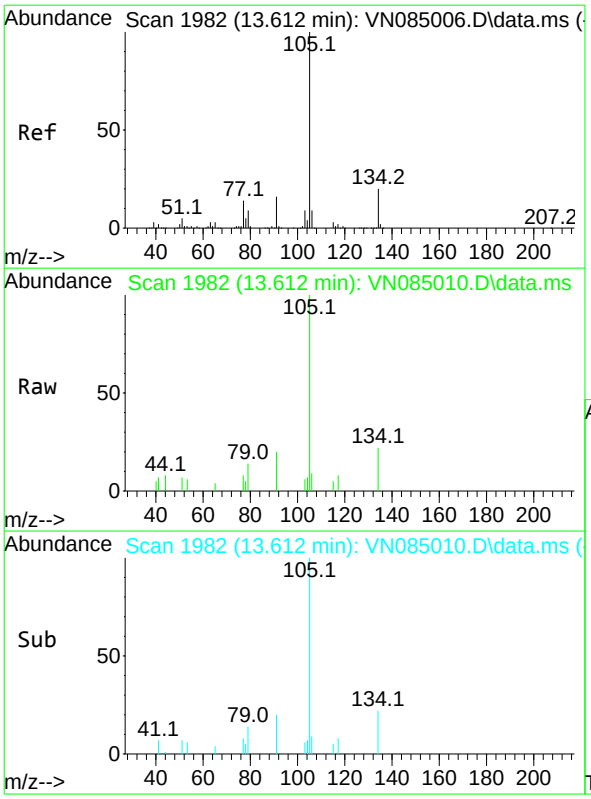


#84
1,2,4-Trimethylbenzene
Concen: 0.888 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:105 Resp: 4802

Ion	Ratio	Lower	Upper
105	100		
120	43.4	21.8	65.4

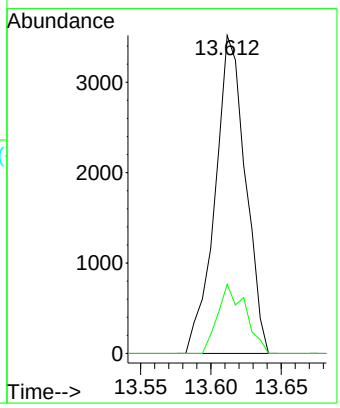




#85
sec-Butylbenzene
Concen: 0.865 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:105 Resp: 5284

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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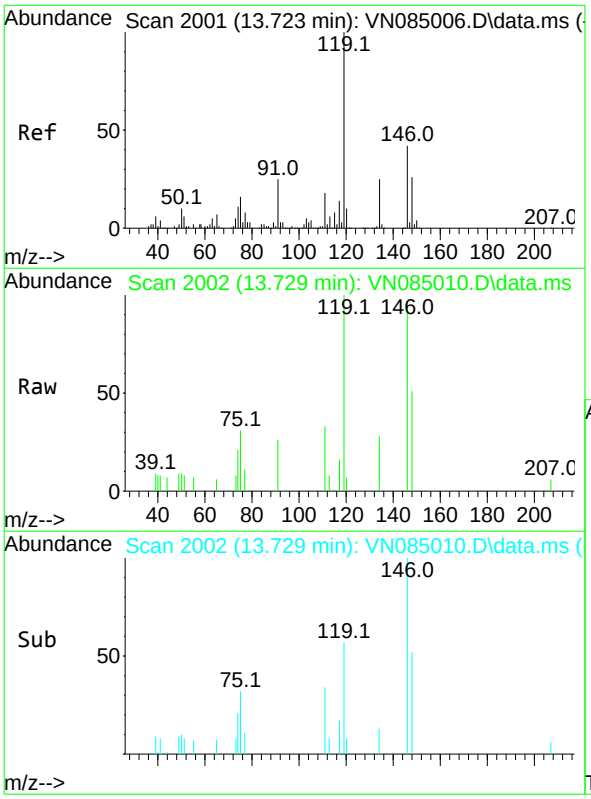
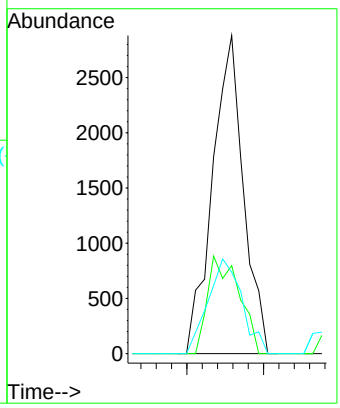
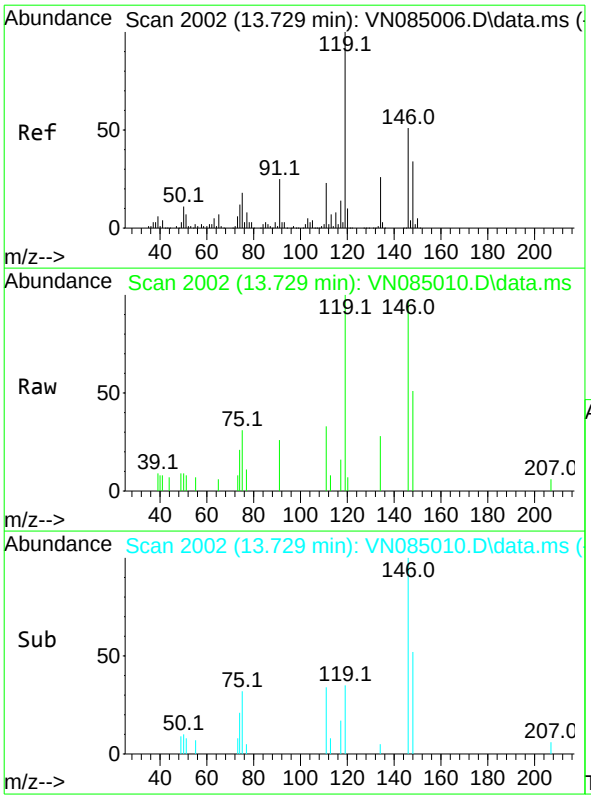


#86
p-Isopropyltoluene
Concen: 0.803 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:119 Resp: 4047

Ion	Ratio	Lower	Upper
119	100		
134	31.1	13.0	39.0
91	32.5	12.8	38.4

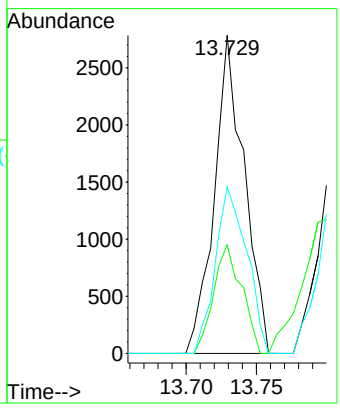




#87
1,3-Dichlorobenzene
Concen: 1.243 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:146 Resp: 4131

Ion	Ratio	Lower	Upper
146	100		
111	32.0	21.6	65.0
148	54.9	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
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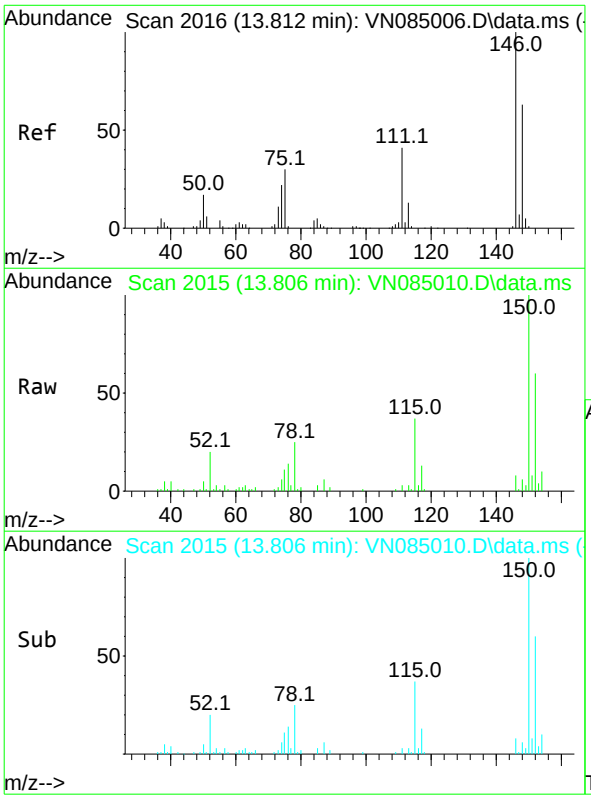
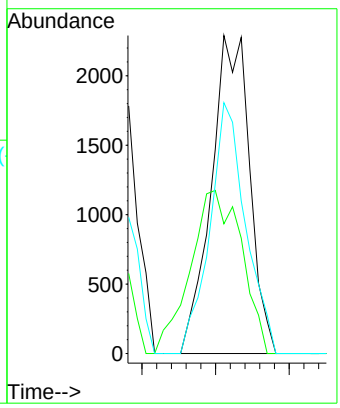
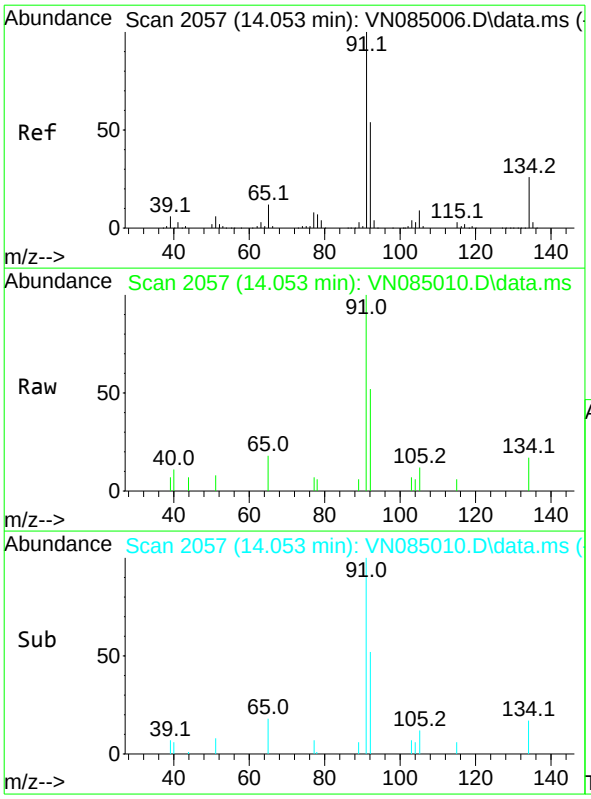


#88
1,4-Dichlorobenzene
Concen: 1.223 ug/l m
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:146 Resp: 4149

Ion	Ratio	Lower	Upper
146	100		
111	31.9	20.9	62.8
148	54.7	31.3	93.9

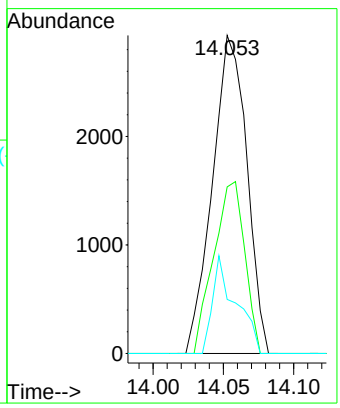




#89
n-Butylbenzene
Concen: 1.062 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 91 Resp: 4981

Ion	Ratio	Lower	Upper
91	100		
92	48.8	26.8	80.3
134	20.8	12.8	38.4



Instrument :
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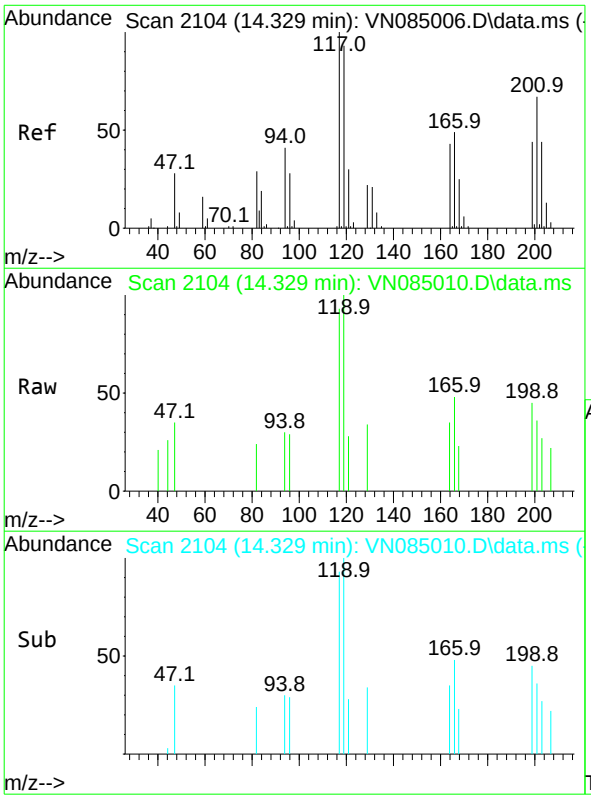
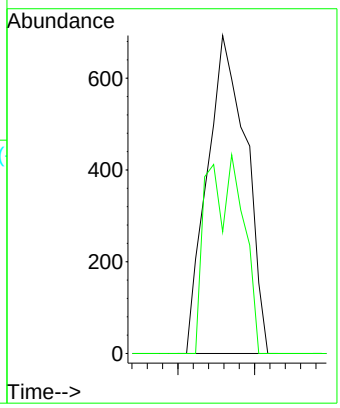
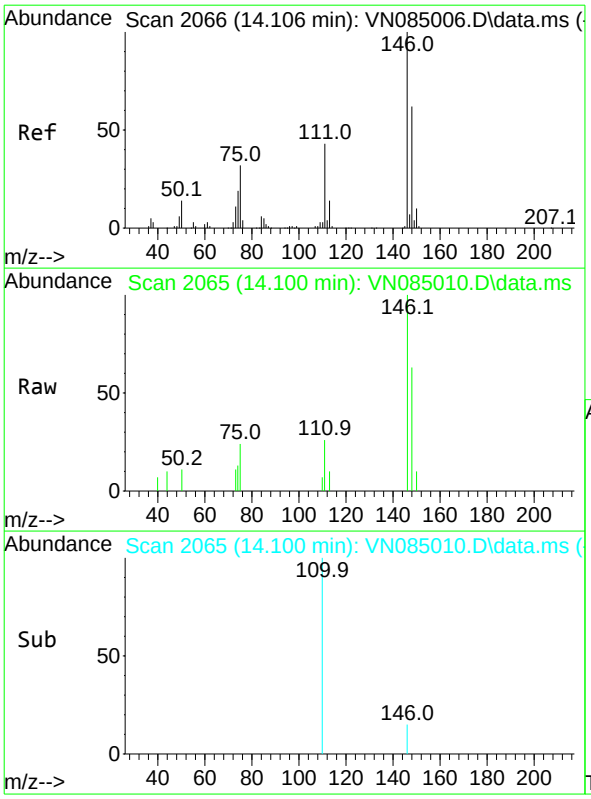


#90
Hexachloroethane
Concen: 1.107 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:117 Resp: 1217

Ion	Ratio	Lower	Upper
117	100		
201	30.8	35.2	105.6#

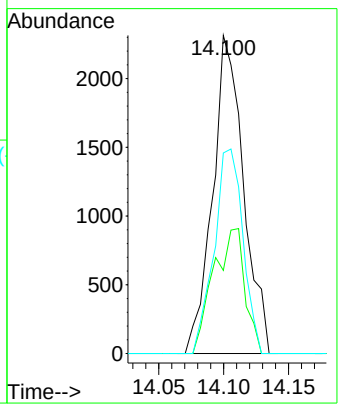




#91
1,2-Dichlorobenzene
Concen: 1.202 ug/l
RT: 14.100 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:146 Resp: 3830

Ion	Ratio	Lower	Upper
146	100		
111	40.0	21.9	65.8
148	60.1	31.1	93.2



Instrument :
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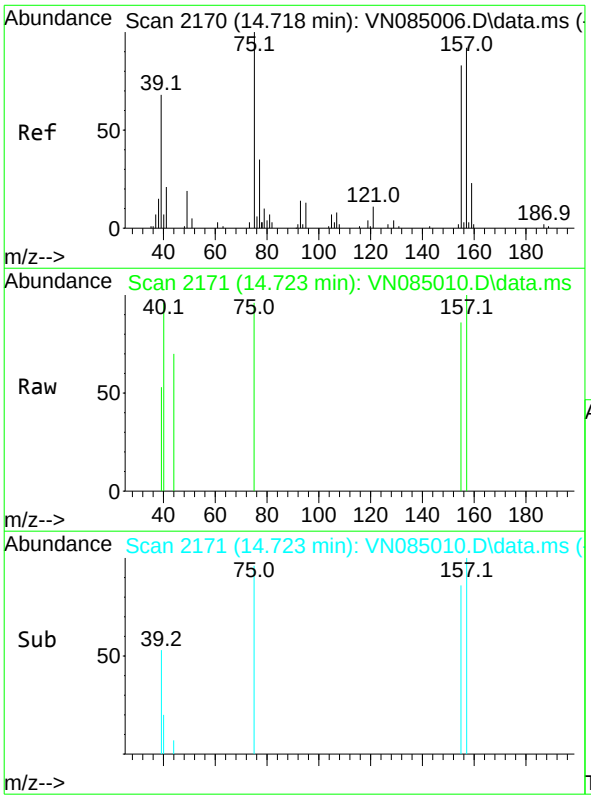
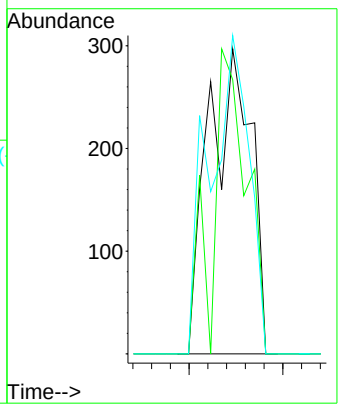
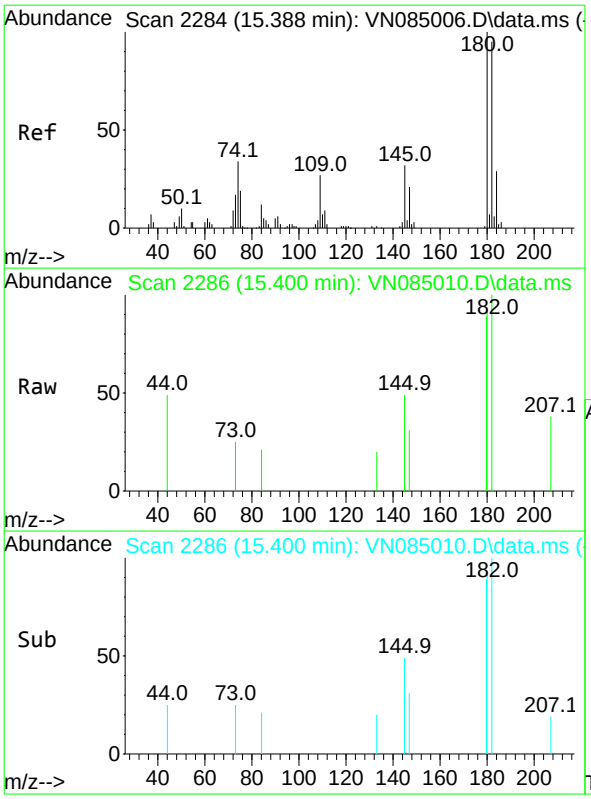


#92
1,2-Dibromo-3-Chloropropane
Concen: 1.136 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 75 Resp: 470

Ion	Ratio	Lower	Upper
75	100		
155	80.4	38.9	116.7
157	96.2	48.3	144.9

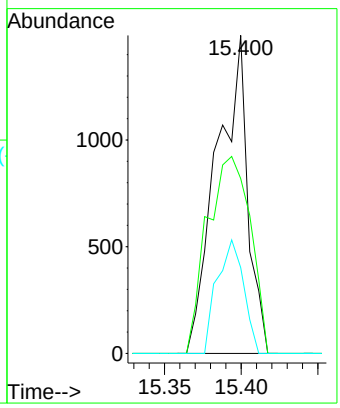




#93
1,2,4-Trichlorobenzene
Concen: 1.209 ug/l
RT: 15.400 min Scan# 22
Delta R.T. 0.012 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:180 Resp: 2092

Ion	Ratio	Lower	Upper
180	100		
182	86.2	46.9	140.8
145	30.5	16.3	48.8



Instrument :
MSVOA_N
ClientSampleId :
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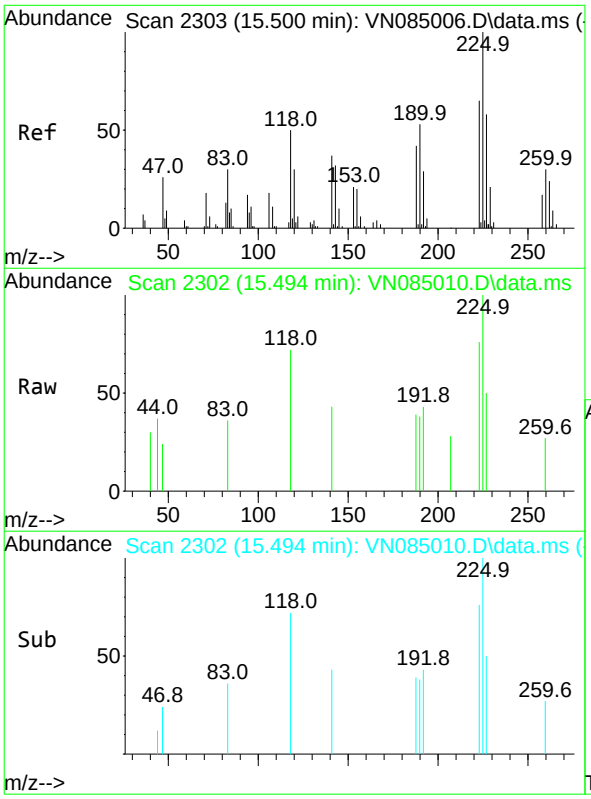
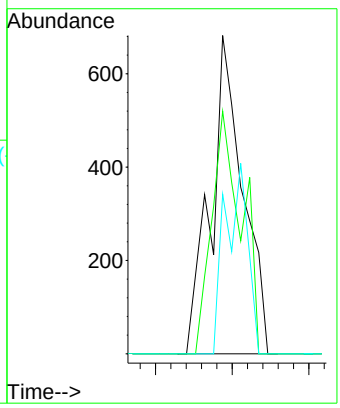
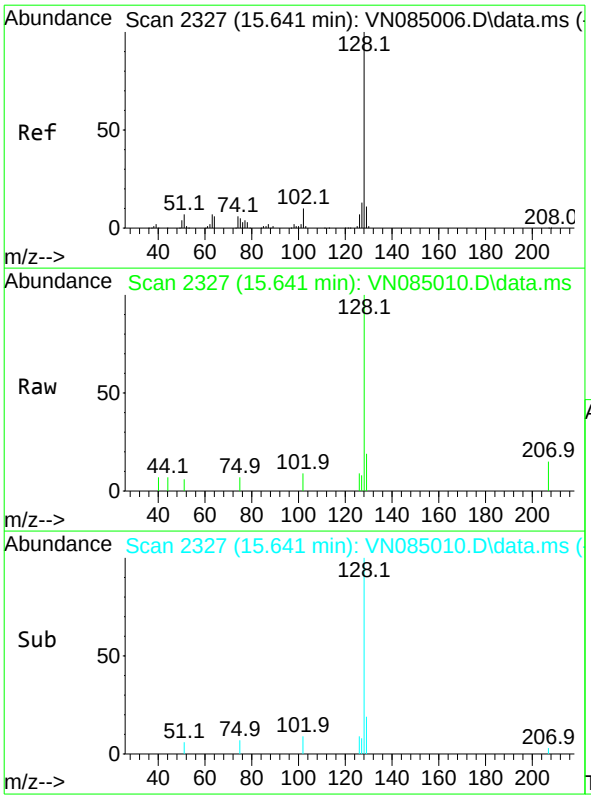


#94
Hexachlorobutadiene
Concen: 1.236 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:225 Resp: 987

Ion	Ratio	Lower	Upper
225	100		
223	71.1	30.9	92.8
227	42.1	31.5	94.5

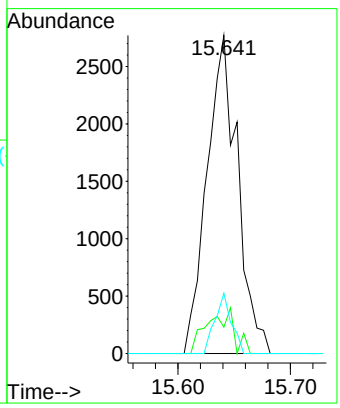




#95
Naphthalene
Concen: 1.063 ug/l
RT: 15.641 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:128 Resp: 5242

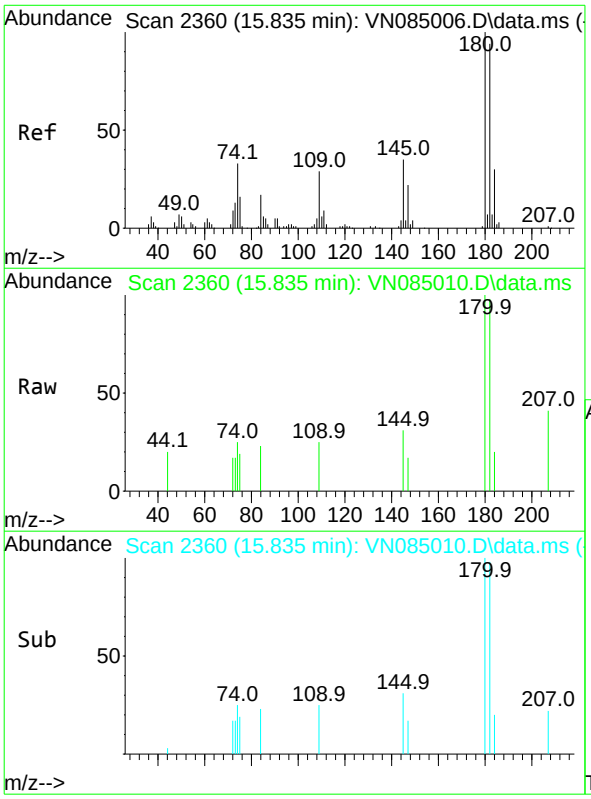
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.6	16.0
129	10.2	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

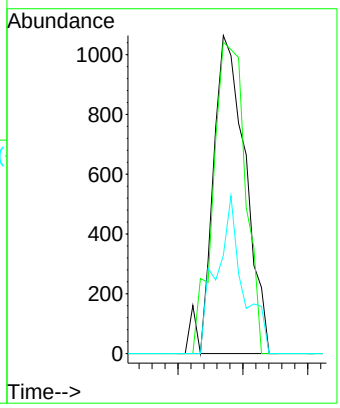
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#96
1,2,3-Trichlorobenzene
Concen: 1.120 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:180 Resp: 1849

Ion	Ratio	Lower	Upper
180	100		
182	97.3	46.4	139.2
145	40.6	17.3	52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Manual Integrations APPROVED
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	180278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	293712	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	254182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	128770	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	129855	50.568	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.140%			
35) Dibromofluoromethane	8.159	113	102148	51.572	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.140%			
50) Toluene-d8	10.559	98	379679	53.488	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.980%			
62) 4-Bromofluorobenzene	12.847	95	141423	53.276	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	95019	46.612	ug/l	99
3) Chloromethane	2.359	50	99689	42.164	ug/l	98
4) Vinyl Chloride	2.512	62	97145	45.721	ug/l	95
5) Bromomethane	2.900	94	53525	44.945	ug/l	91
6) Chloroethane	3.077	64	59473	41.527	ug/l	94
7) Trichlorofluoromethane	3.477	101	165959	45.916	ug/l	94
8) Diethyl Ether	3.953	74	58978	47.942	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	93701	45.709	ug/l	99
10) Methyl Iodide	4.577	142	127705	47.063	ug/l	97
11) Tert butyl alcohol	5.536	59	74416	216.857	ug/l	97
12) 1,1-Dichloroethene	4.330	96	89314	46.677	ug/l	97
13) Acrolein	4.171	56	58781	256.710	ug/l	99
14) Allyl chloride	5.012	41	152182	47.178	ug/l	99
15) Acrylonitrile	5.712	53	225423	232.029	ug/l	99
16) Acetone	4.424	43	188963	252.665	ug/l	99
17) Carbon Disulfide	4.700	76	244899	43.362	ug/l #	94
18) Methyl Acetate	5.018	43	111346	46.500	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	303857	48.602	ug/l	98
20) Methylene Chloride	5.271	84	98339	43.090	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	92234	45.805	ug/l #	89
22) Diisopropyl ether	6.665	45	306957	47.281	ug/l	98
23) Vinyl Acetate	6.594	43	1108786	247.560	ug/l	100
24) 1,1-Dichloroethane	6.559	63	177343	45.647	ug/l	99
25) 2-Butanone	7.477	43	294434	240.802	ug/l	100
26) 2,2-Dichloropropane	7.488	77	168144	46.349	ug/l	98
27) cis-1,2-Dichloroethene	7.477	96	110716	45.609	ug/l	97
28) Bromochloromethane	7.812	49	67335	45.913	ug/l	97
29) Tetrahydrofuran	7.835	42	183433	241.241	ug/l	100
30) Chloroform	7.959	83	188550	45.623	ug/l	95
31) Cyclohexane	8.253	56	157639	46.084	ug/l	97
32) 1,1,1-Trichloroethane	8.159	97	170723	45.714	ug/l	99
36) 1,1-Dichloropropene	8.365	75	129026	48.093	ug/l	99
37) Ethyl Acetate	7.553	43	113781	46.651	ug/l	100
38) Carbon Tetrachloride	8.359	117	151265	48.846	ug/l	98
39) Methylcyclohexane	9.594	83	145286	52.114	ug/l	98
40) Benzene	8.600	78	404536	47.675	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Manual Integrations APPROVED
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	66590	49.311	ug/l		98
42) 1,2-Dichloroethane	8.665	62	136508	47.025	ug/l		100
43) Isopropyl Acetate	8.688	43	210623	41.574	ug/l		99
44) Trichloroethene	9.347	130	93086	47.205	ug/l		98
45) 1,2-Dichloropropane	9.618	63	98380	47.073	ug/l		95
46) Dibromomethane	9.706	93	69575	47.909	ug/l		99
47) Bromodichloromethane	9.882	83	146603	47.631	ug/l		97
48) Methyl methacrylate	9.676	41	95959	50.900	ug/l		97
49) 1,4-Dioxane	9.694	88	31078	950.585	ug/l	#	87
51) 4-Methyl-2-Pentanone	10.441	43	582480	251.720	ug/l		100
52) Toluene	10.629	92	249568	49.682	ug/l		99
53) t-1,3-Dichloropropene	10.829	75	150836	48.881	ug/l		97
54) cis-1,3-Dichloropropene	10.306	75	164009	50.100	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	92219	49.287	ug/l		99
56) Ethyl methacrylate	10.871	69	149537	54.694	ug/l		98
57) 1,3-Dichloropropane	11.159	76	158000	47.980	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	315602	235.323	ug/l		99
59) 2-Hexanone	11.194	43	444749	256.983	ug/l		100
60) Dibromochloromethane	11.359	129	108961	47.650	ug/l		99
61) 1,2-Dibromoethane	11.465	107	94657	48.883	ug/l		96
64) Tetrachloroethene	11.100	164	82753	48.316	ug/l		97
65) Chlorobenzene	11.888	112	264798	45.936	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	95374	46.991	ug/l		98
67) Ethyl Benzene	11.959	91	477400	51.046	ug/l		96
68) m/p-Xylenes	12.065	106	363006	101.951	ug/l		99
69) o-Xylene	12.394	106	173028	51.086	ug/l		98
70) Styrene	12.406	104	296759	52.687	ug/l		99
71) Bromoform	12.576	173	73244	48.617	ug/l	#	98
73) Isopropylbenzene	12.694	105	445261	49.014	ug/l		100
74) N-amyl acetate	12.494	43	184990	49.418	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	132755	42.796	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	105927m	45.225	ug/l		
77) Bromobenzene	12.976	156	108566	44.410	ug/l		99
78) n-propylbenzene	13.035	91	525567	50.160	ug/l		98
79) 2-Chlorotoluene	13.123	91	324611	46.409	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	382819	50.220	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	49617	46.764	ug/l		98
82) 4-Chlorotoluene	13.217	91	331271	45.496	ug/l		99
83) tert-Butylbenzene	13.435	119	320979	48.939	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	392031	49.962	ug/l		99
85) sec-Butylbenzene	13.612	105	444471	50.166	ug/l		99
86) p-Isopropyltoluene	13.729	119	378270	51.719	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	204731	42.459	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	202930	41.240	ug/l		97
89) n-Butylbenzene	14.053	91	325752	47.892	ug/l		100
90) Hexachloroethane	14.335	117	72271	45.332	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	200864	43.472	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26503	44.183	ug/l		99
93) 1,2,4-Trichlorobenzene	15.394	180	107707	42.908	ug/l		99
94) Hexachlorobutadiene	15.500	225	49330	42.581	ug/l		99
95) Naphthalene	15.641	128	329352	46.067	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	102829	42.932	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

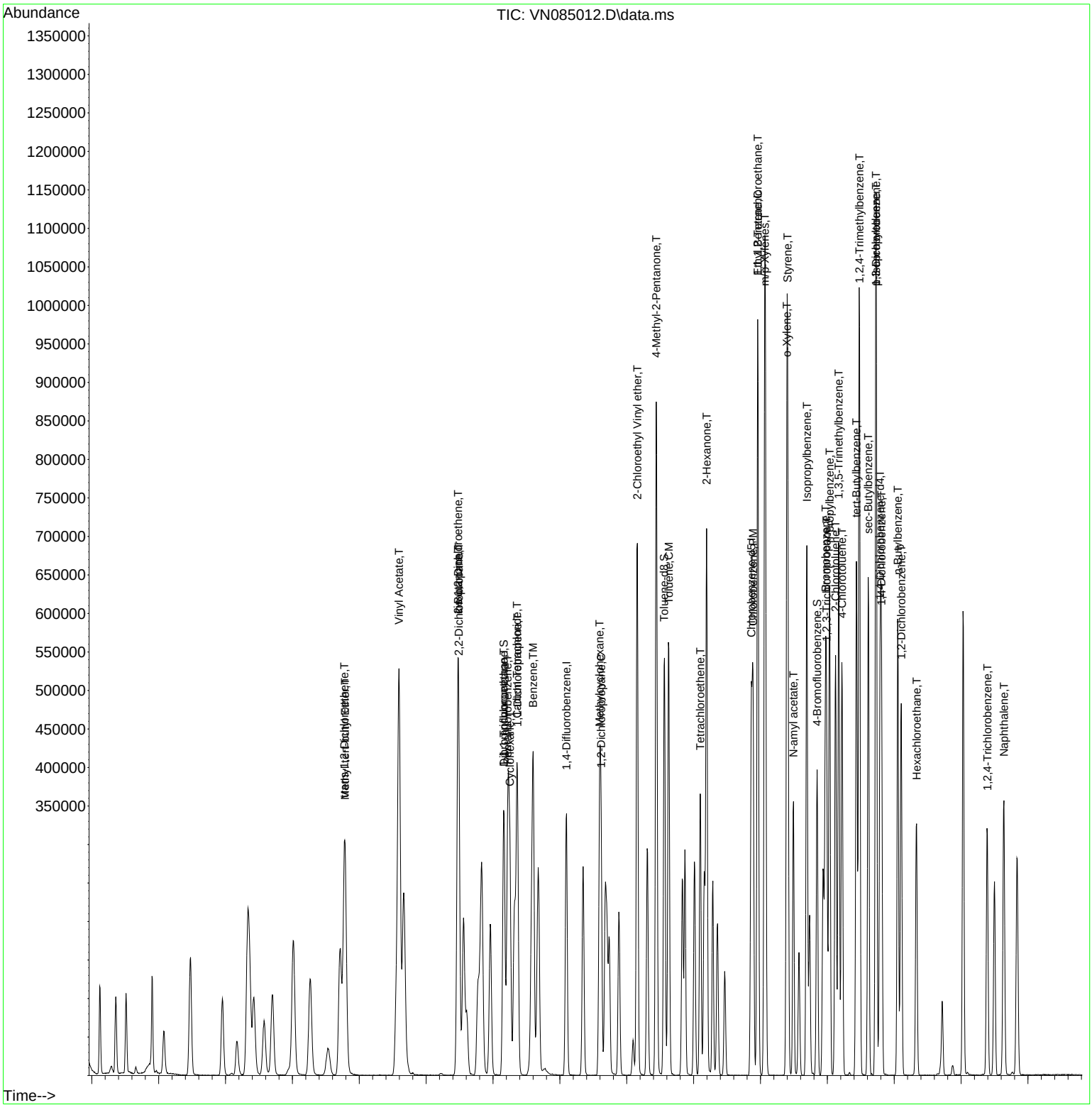
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

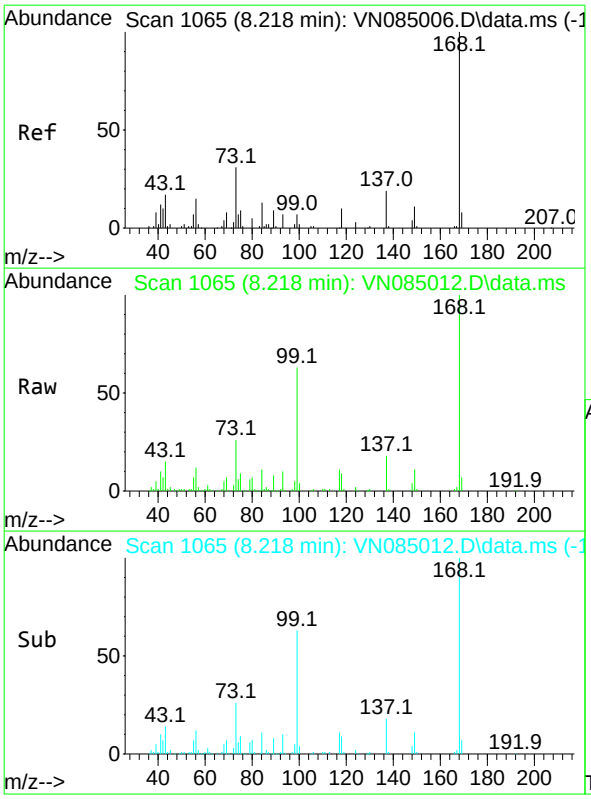
Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

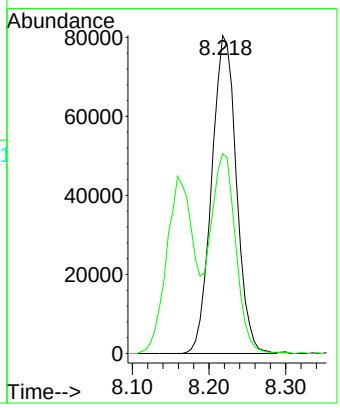




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:168 Resp: 180278

Ion	Ratio	Lower	Upper
168	100		
99	62.4	51.2	76.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
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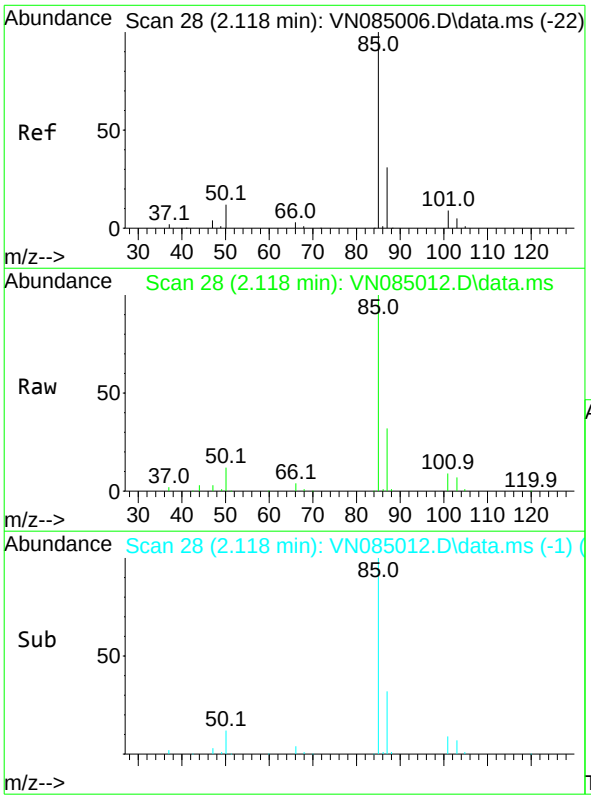
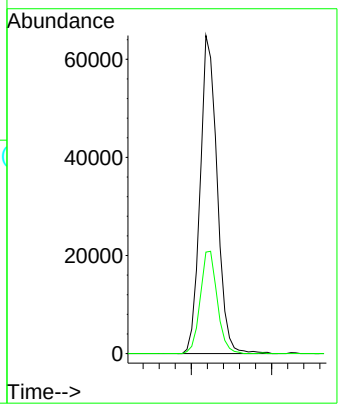
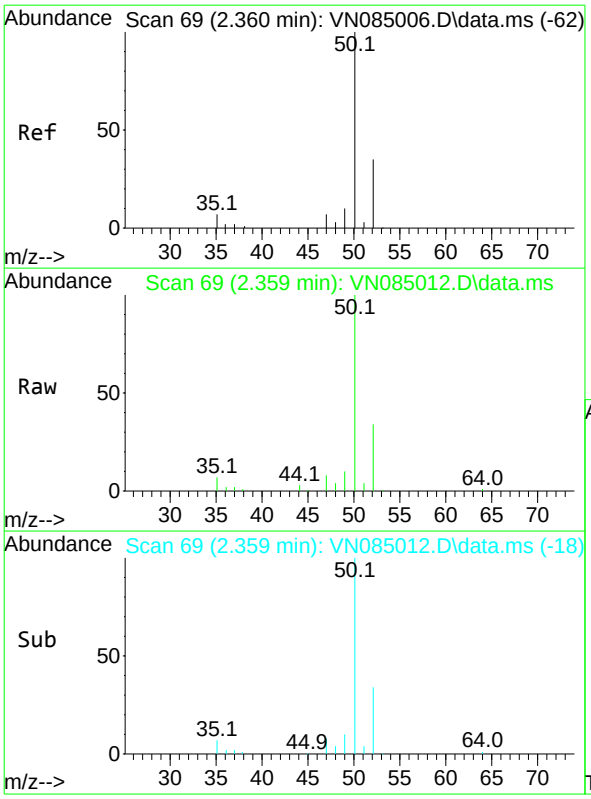


#2
Dichlorodifluoromethane
Concen: 46.612 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 85 Resp: 95019

Ion	Ratio	Lower	Upper
85	100		
87	31.9	15.7	47.1

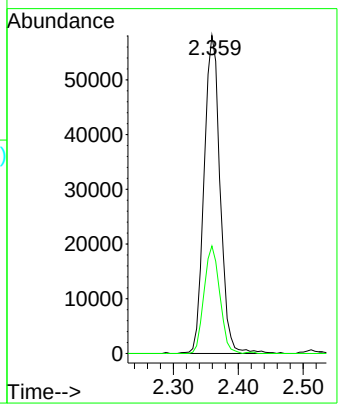




#3
Chloromethane
Concen: 42.164 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 50 Resp: 99689

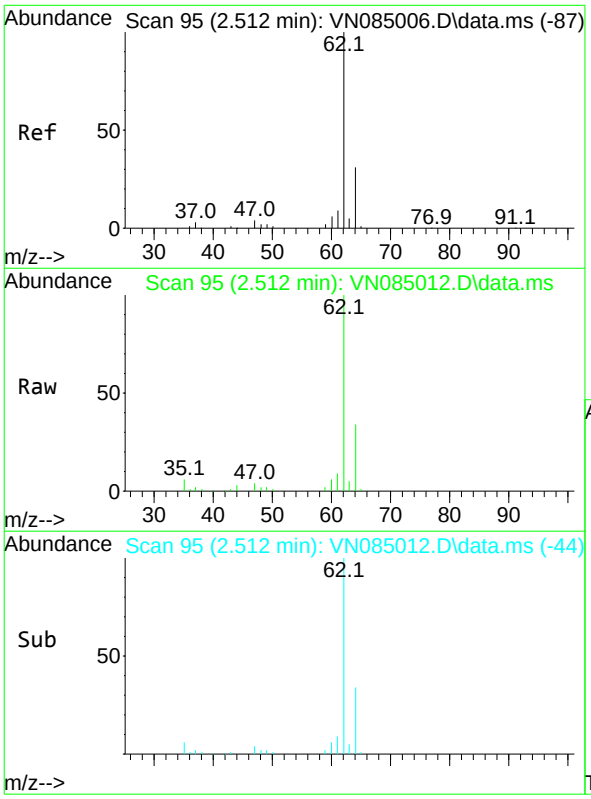
Ion	Ratio	Lower	Upper
50	100		
52	33.8	27.8	41.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Manual Integrations APPROVED

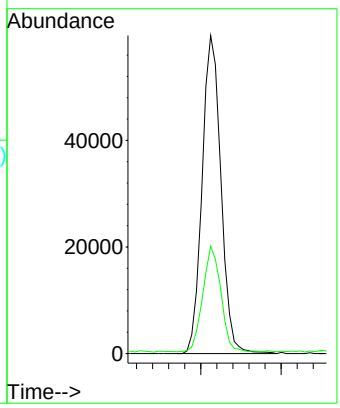
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

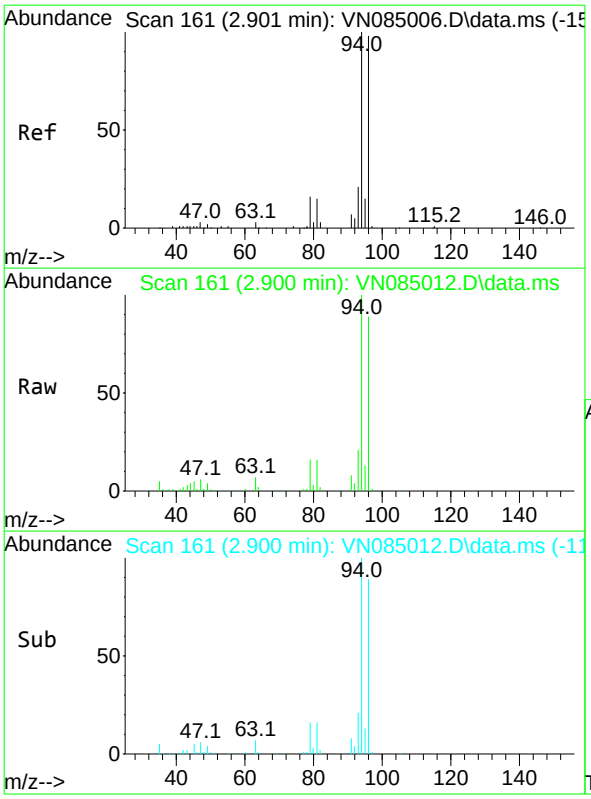


#4
Vinyl Chloride
Concen: 45.721 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 62 Resp: 97145

Ion	Ratio	Lower	Upper
62	100		
64	33.2	24.6	36.8

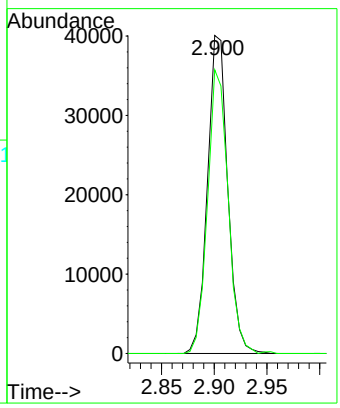




#5
Bromomethane
Concen: 44.945 ug/l
RT: 2.900 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 94 Resp: 53525

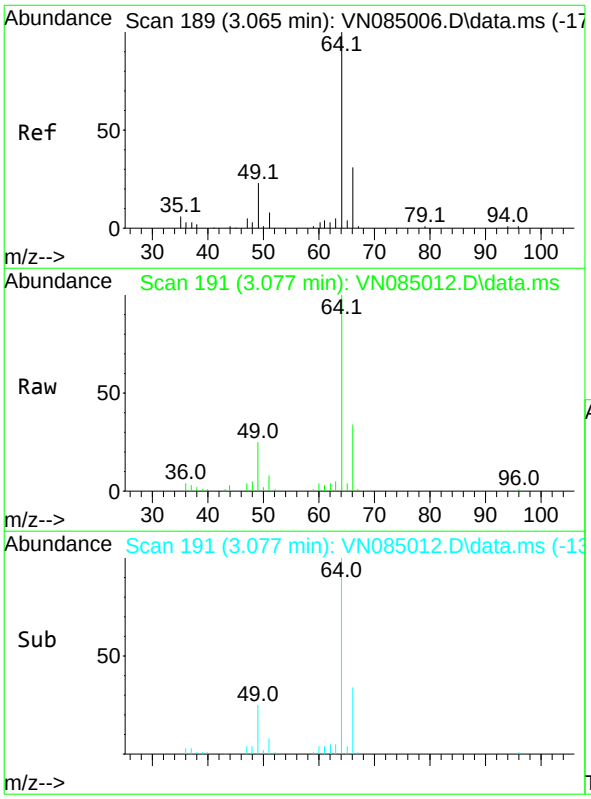
Ion	Ratio	Lower	Upper
94	100		
96	89.2	78.7	118.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Manual Integrations APPROVED

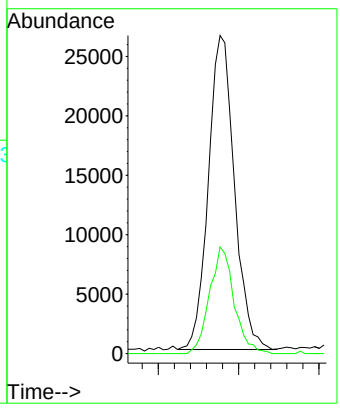
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

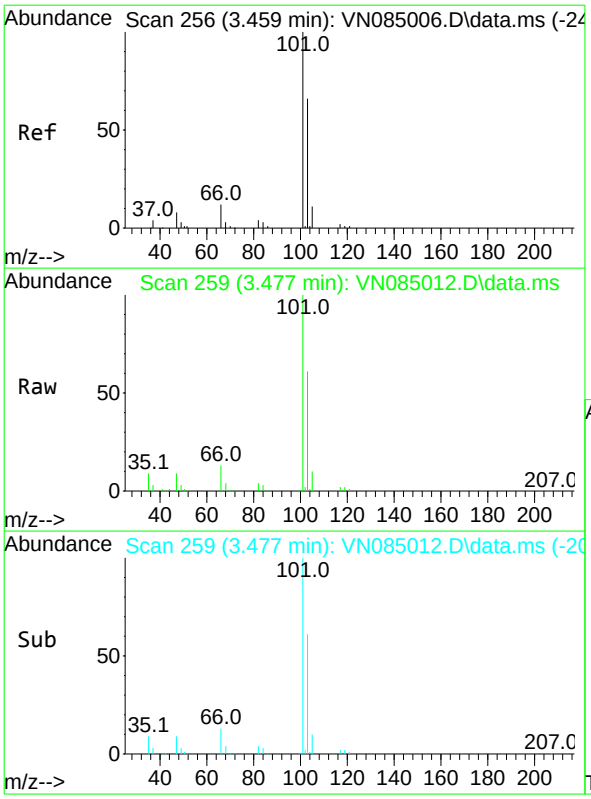


#6
Chloroethane
Concen: 41.527 ug/l
RT: 3.077 min Scan# 191
Delta R.T. 0.012 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 64 Resp: 59473

Ion	Ratio	Lower	Upper
64	100		
66	34.0	24.4	36.6

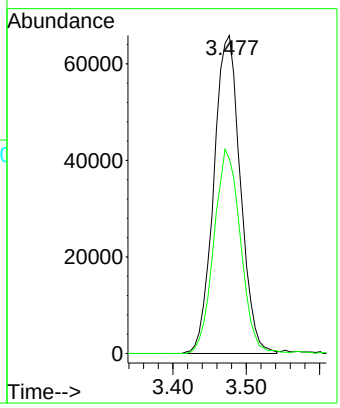




#7
Trichlorofluoromethane
Concen: 45.916 ug/l
RT: 3.477 min Scan# 25
Delta R.T. 0.017 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:101 Resp: 165959

Ion	Ratio	Lower	Upper
101	100		
103	61.3	52.6	78.8



Instrument :
MSVOA_N
ClientSampleId :
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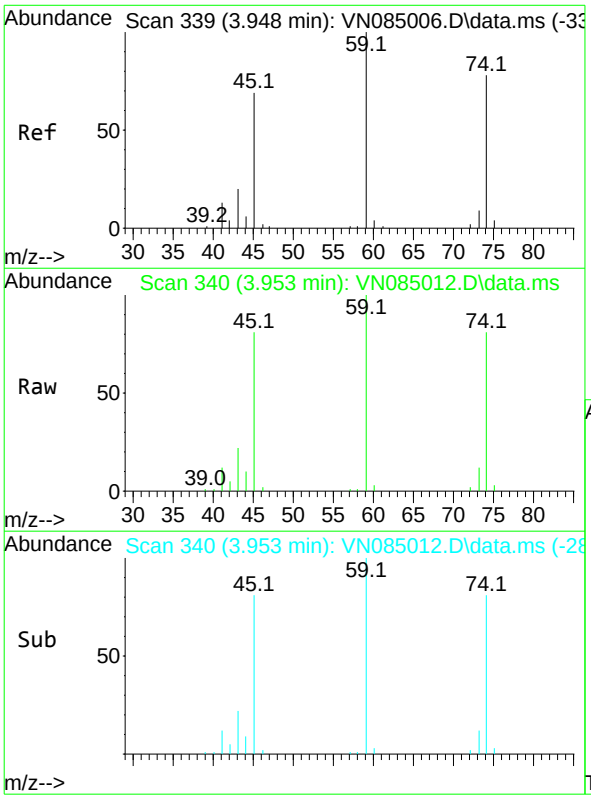
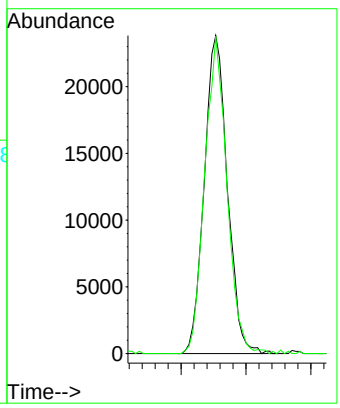
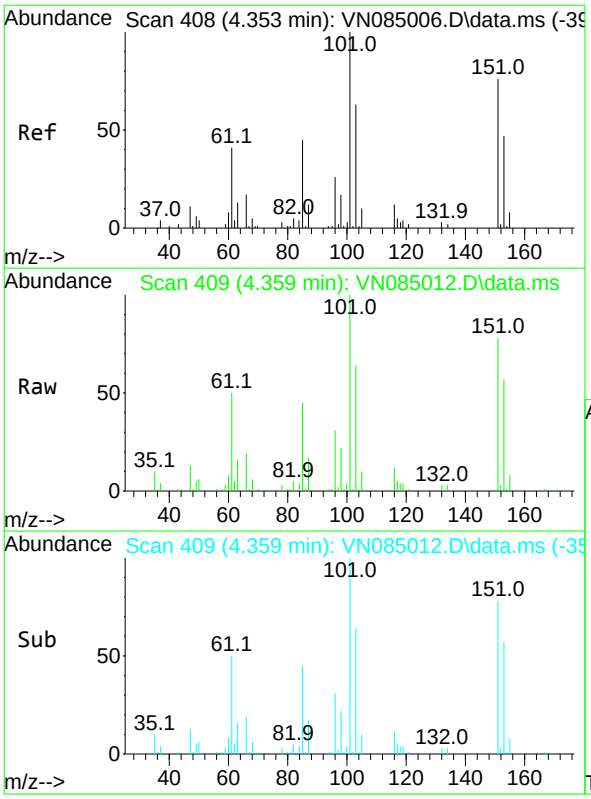


#8
Diethyl Ether
Concen: 47.942 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 74 Resp: 58978

Ion	Ratio	Lower	Upper
74	100		
45	95.6	46.7	140.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.709 ug/l
RT: 4.359 min Scan# 40
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:101 Resp: 93701

Ion	Ratio	Lower	Upper
101	100		
85	45.7	36.9	55.3
151	75.2	60.8	91.2

Instrument :
MSVOA_N
ClientSampleId :
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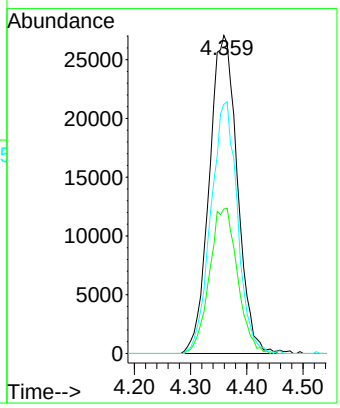
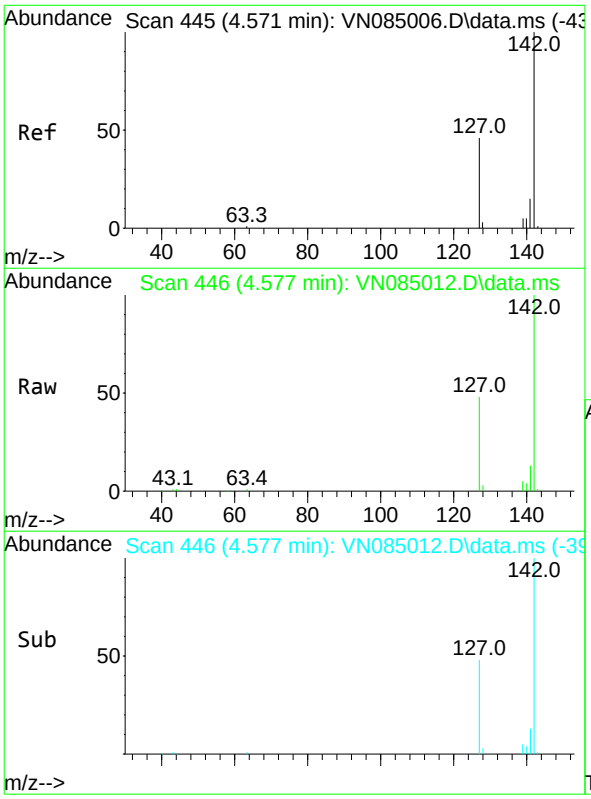
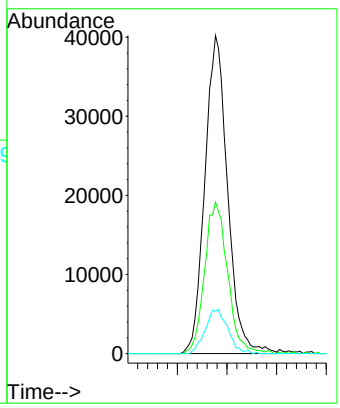


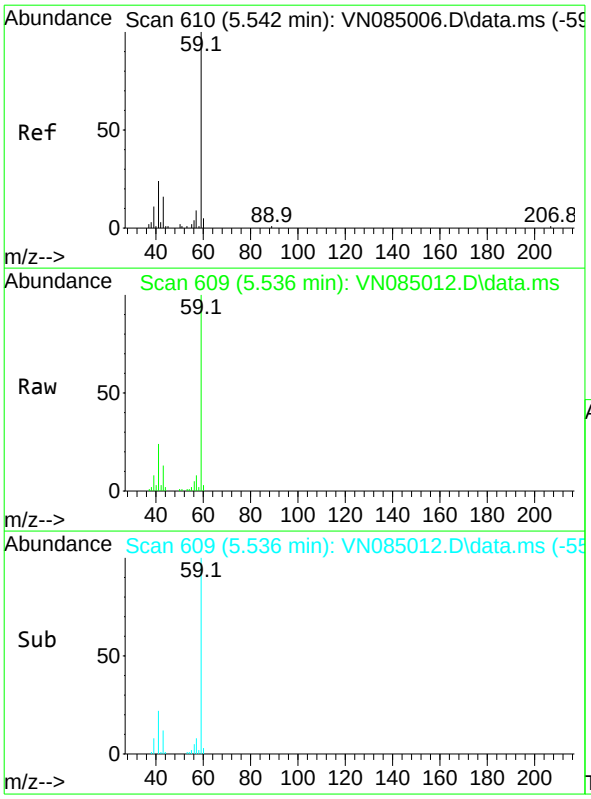


#10
Methyl Iodide
Concen: 47.063 ug/l
RT: 4.577 min Scan# 446
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:142 Resp: 127705

Ion	Ratio	Lower	Upper
142	100		
127	47.6	36.6	54.8
141	13.3	12.2	18.4

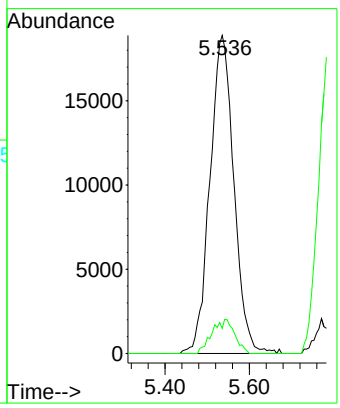




#11
Tert butyl alcohol
Concen: 216.857 ug/l
RT: 5.536 min Scan# 60
Delta R.T. -0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 59 Resp: 74416

Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.4	11.0



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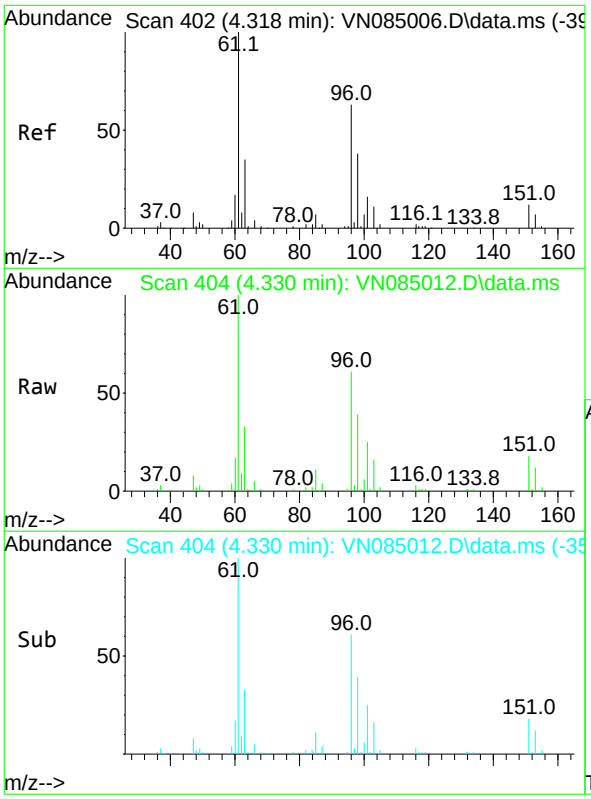
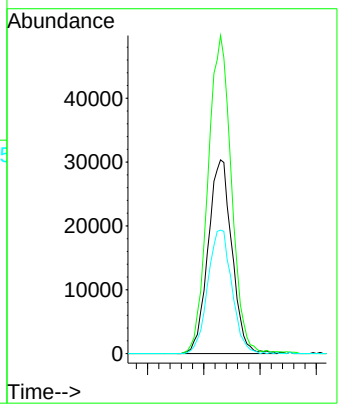
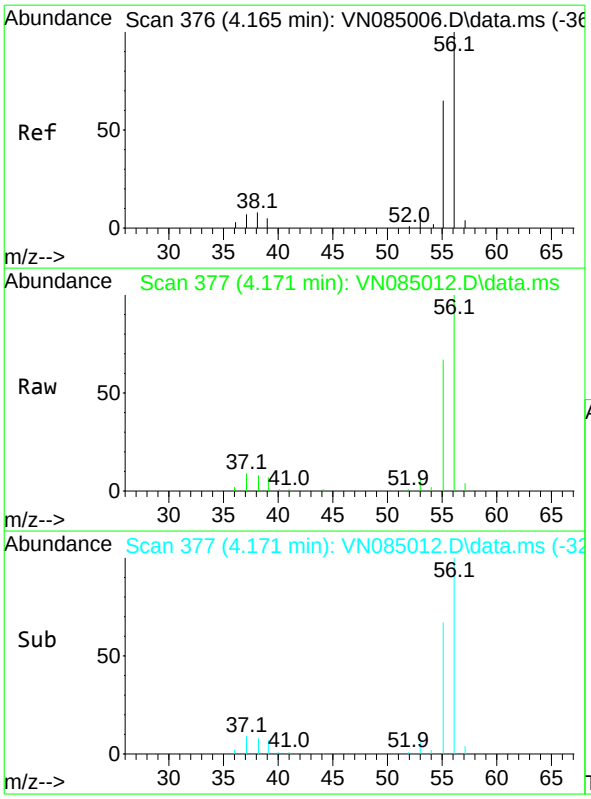


#12
1,1-Dichloroethene
Concen: 46.677 ug/l
RT: 4.330 min Scan# 404
Delta R.T. 0.012 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 96 Resp: 89314

Ion	Ratio	Lower	Upper
96	100		
61	164.2	127.8	191.8
98	63.7	49.2	73.8

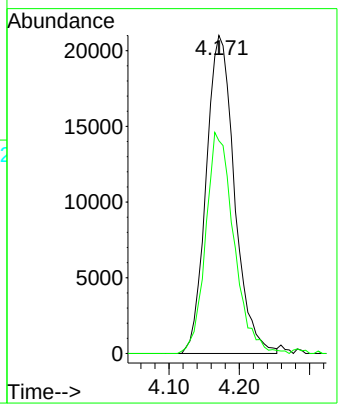




#13
Acrolein
Concen: 256.710 ug/l
RT: 4.171 min Scan# 37
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 56 Resp: 58781

Ion	Ratio	Lower	Upper
56	100		
55	69.2	54.5	81.7



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MSVOA_N
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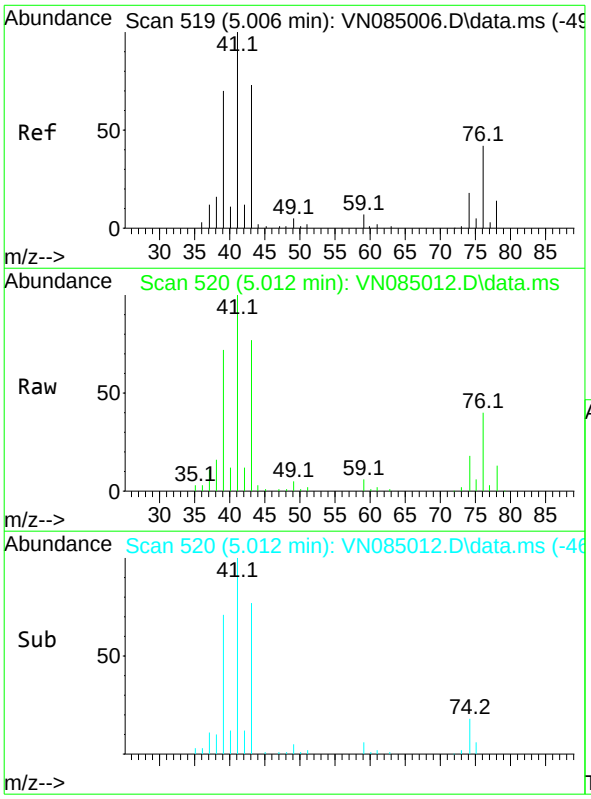
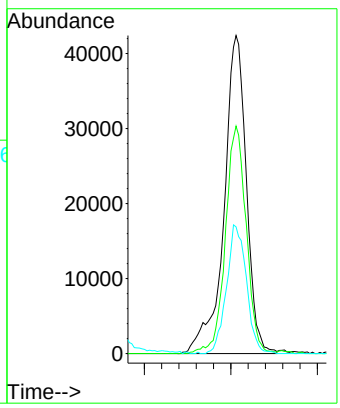
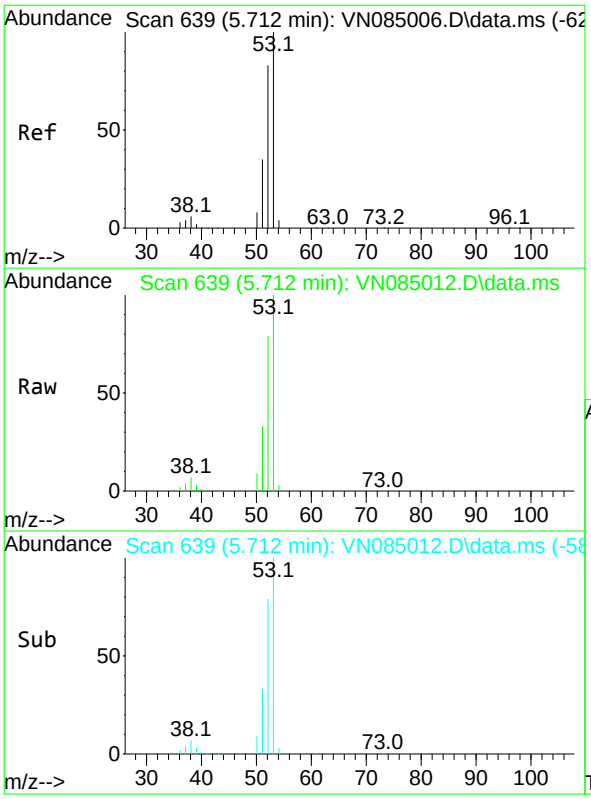


#14
Allyl chloride
Concen: 47.178 ug/l
RT: 5.012 min Scan# 520
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 41 Resp: 152182

Ion	Ratio	Lower	Upper
41	100		
39	66.6	53.8	80.8
76	35.9	29.3	43.9

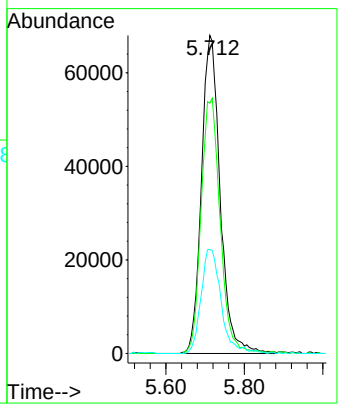




#15
Acrylonitrile
Concen: 232.029 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 53 Resp: 225423

Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.5	98.3
51	34.6	28.4	42.6



Instrument :
MSVOA_N
ClientSampleId :
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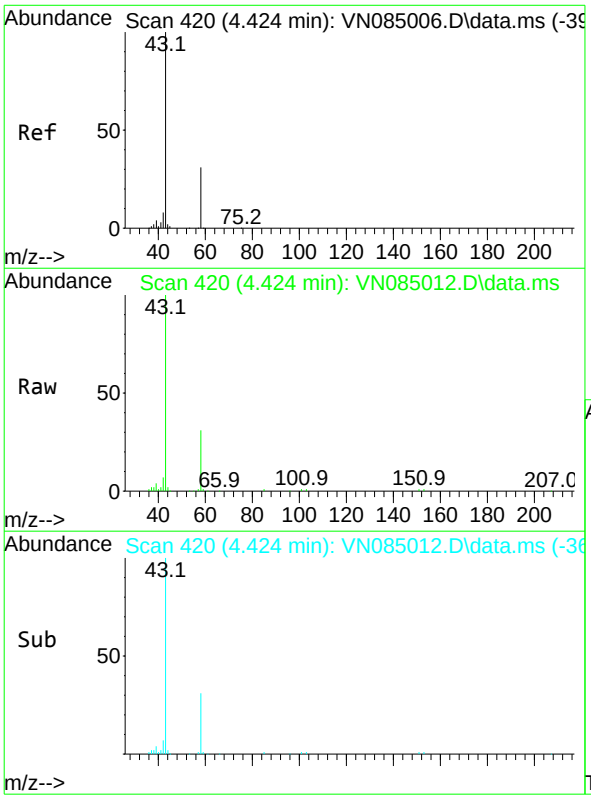
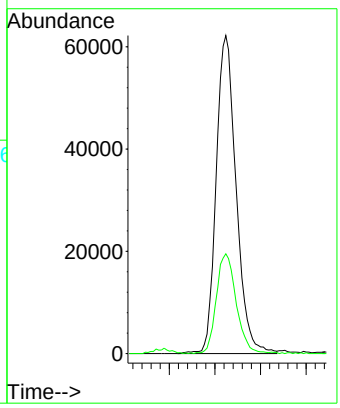
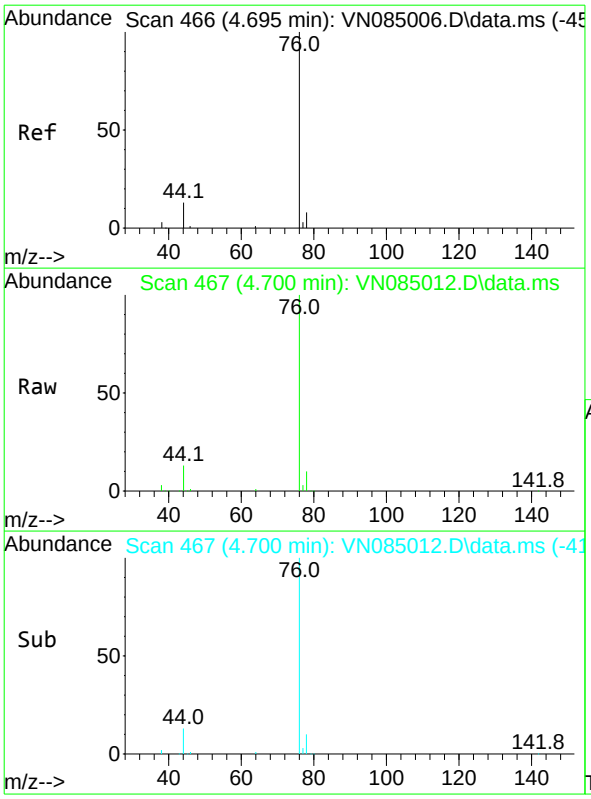


#16
Acetone
Concen: 252.665 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 43 Resp: 188963

Ion	Ratio	Lower	Upper
43	100		
58	31.1	25.4	38.2

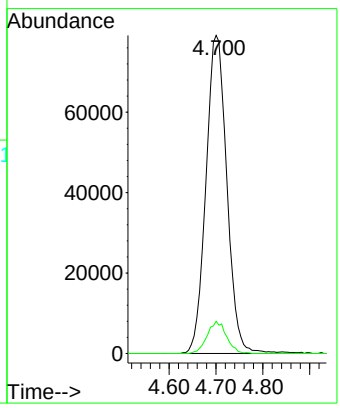




#17
Carbon Disulfide
Concen: 43.362 ug/l
RT: 4.700 min Scan# 46
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 76 Resp: 244899

Ion	Ratio	Lower	Upper
76	100		
78	10.1	6.5	9.7#



Instrument :
MSVOA_N
ClientSampleId :
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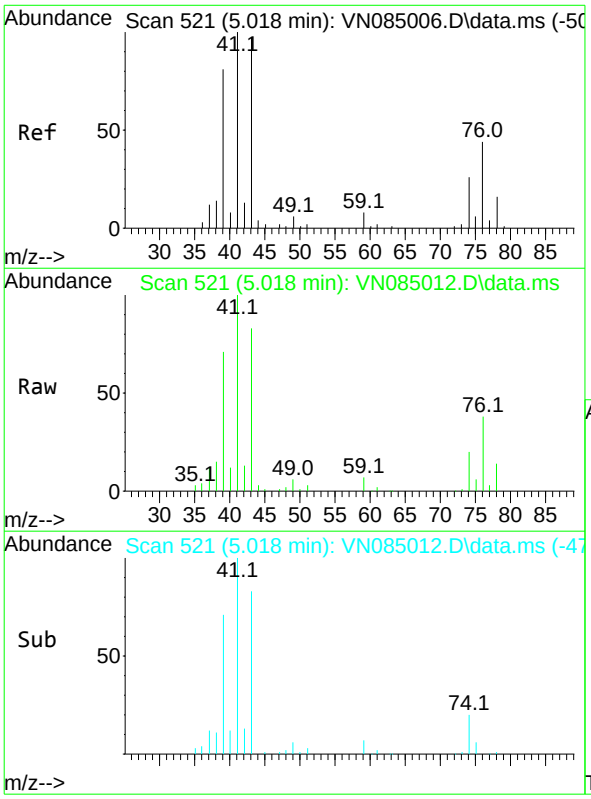
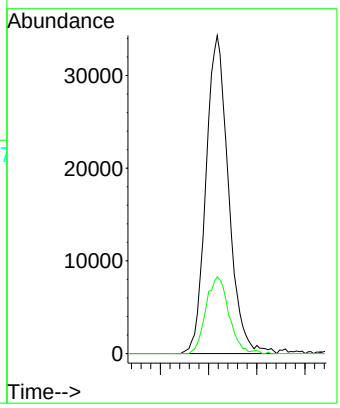
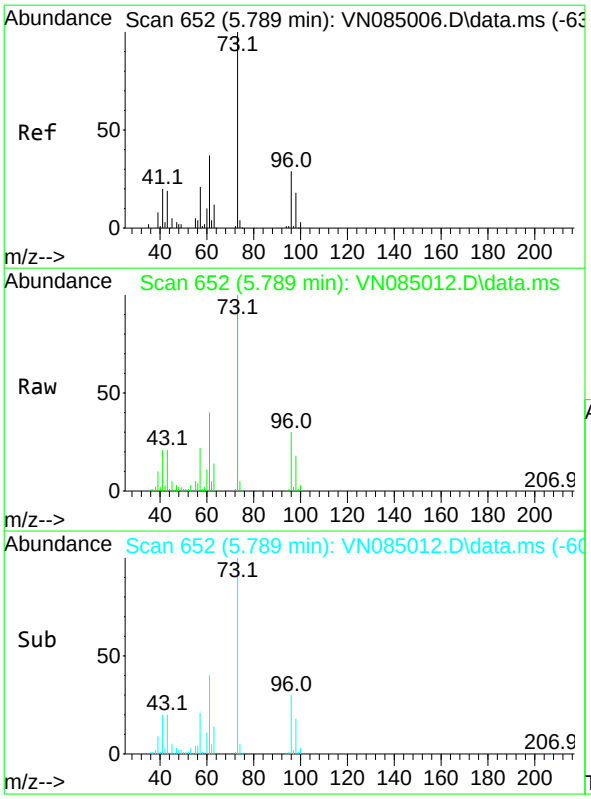


#18
Methyl Acetate
Concen: 46.500 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 43 Resp: 111346

Ion	Ratio	Lower	Upper
43	100		
74	24.4	20.1	30.1

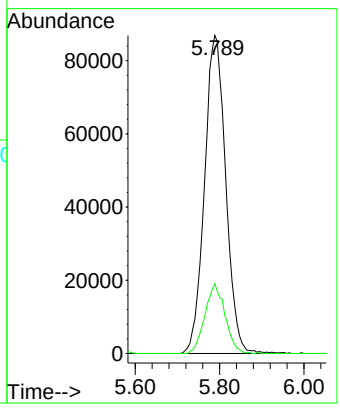




#19
Methyl tert-butyl Ether
Concen: 48.602 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 73 Resp: 303857

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.0	25.4



Instrument :
MSVOA_N
ClientSampleId :
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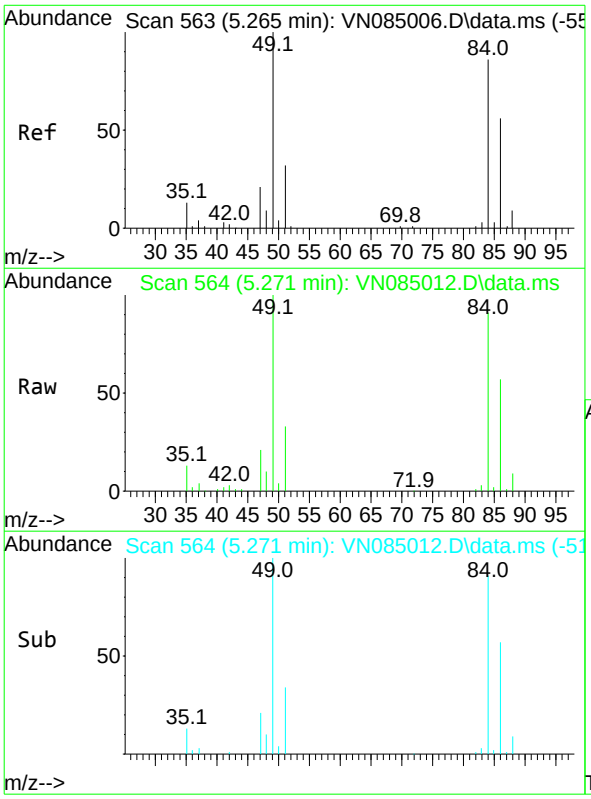
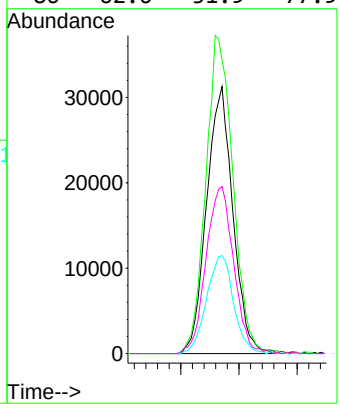
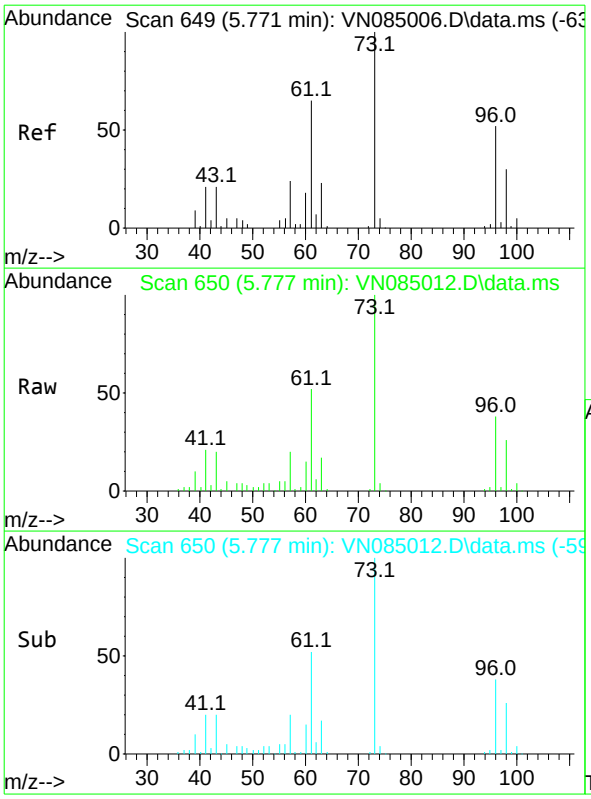


#20
Methylene Chloride
Concen: 43.090 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 84 Resp: 98339

Ion	Ratio	Lower	Upper
84	100		
49	110.0	92.7	139.1
51	36.7	29.4	44.2
86	62.6	51.9	77.9

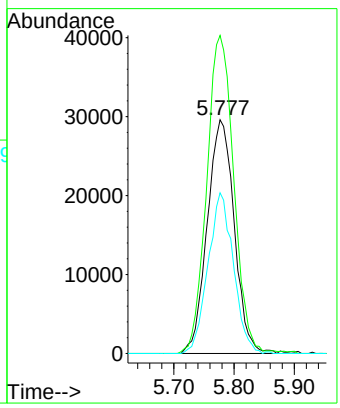




#21
trans-1,2-Dichloroethene
Concen: 45.805 ug/l
RT: 5.777 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 96 Resp: 92234

Ion	Ratio	Lower	Upper
96	100		
61	136.1	100.7	151.1
98	68.7	45.8	68.6#



Instrument :
MSVOA_N
ClientSampleId :
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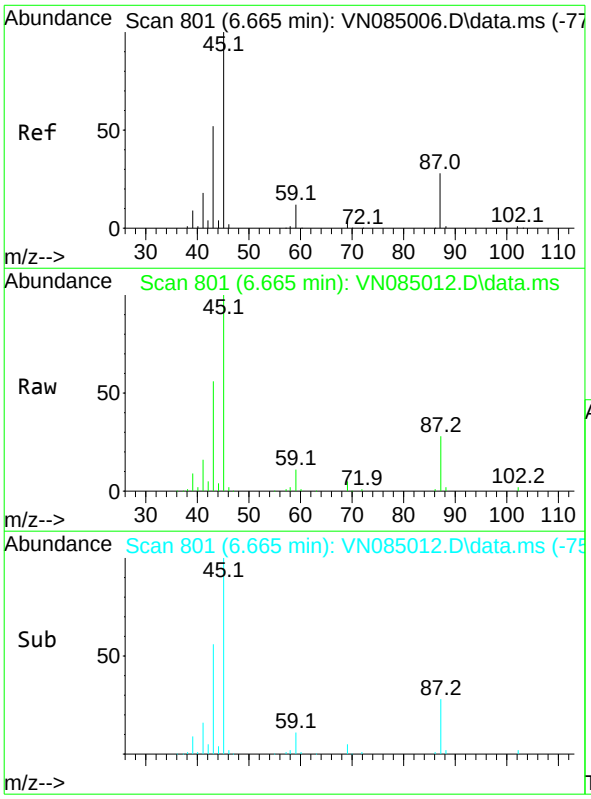
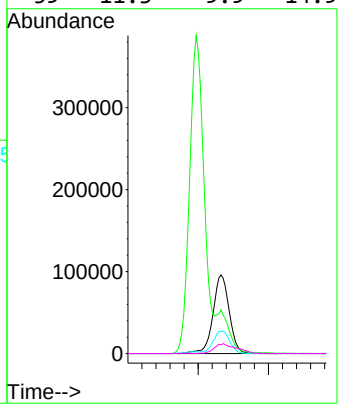
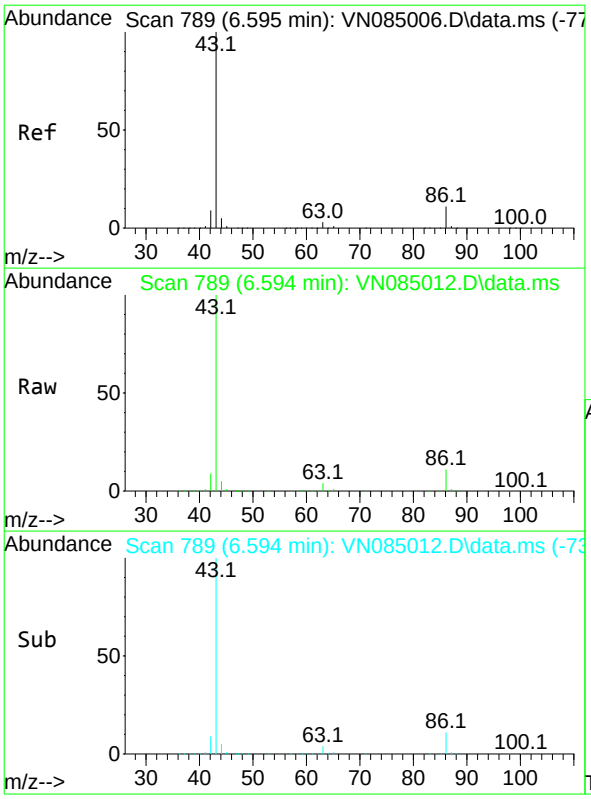


#22
Diisopropyl ether
Concen: 47.281 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 45 Resp: 306957

Ion	Ratio	Lower	Upper
45	100		
43	55.0	42.7	64.1
87	28.5	22.6	34.0
59	11.3	9.9	14.9

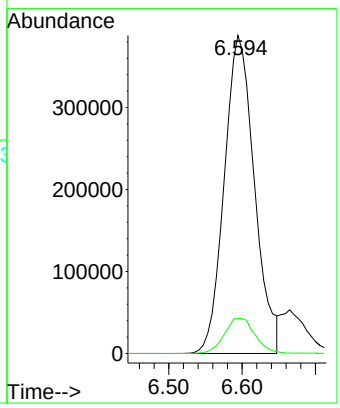




#23
Vinyl Acetate
Concen: 247.560 ug/l
RT: 6.594 min Scan# 78
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 43 Resp: 1108786

Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.9	13.3



Instrument :
MSVOA_N
ClientSampleId :
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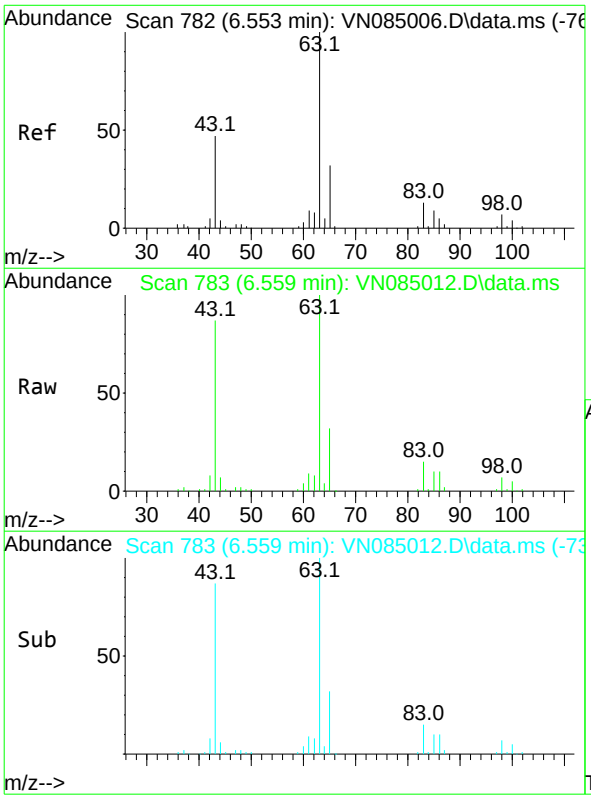
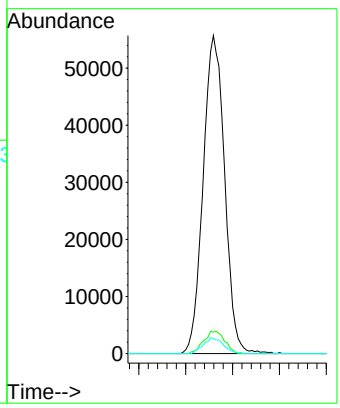
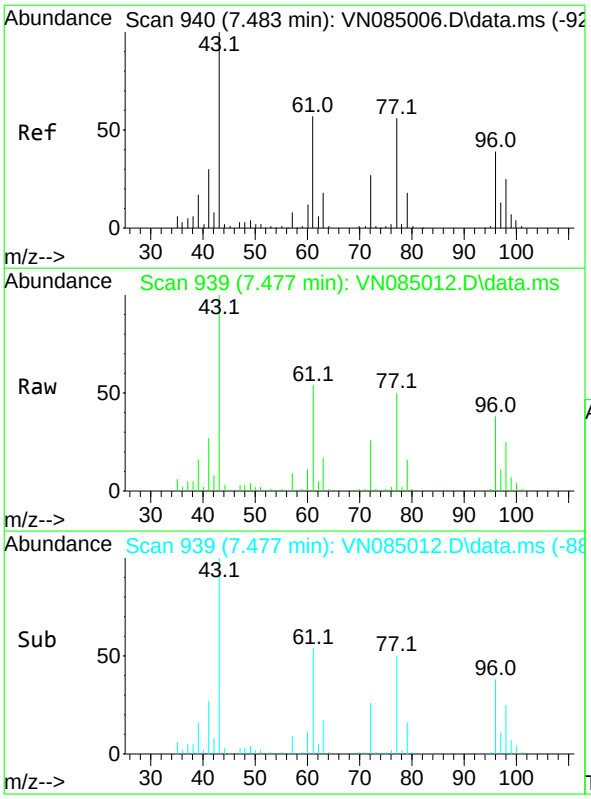


#24
1,1-Dichloroethane
Concen: 45.647 ug/l
RT: 6.559 min Scan# 783
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 63 Resp: 177343

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.3	9.8
100	4.8	2.2	6.6

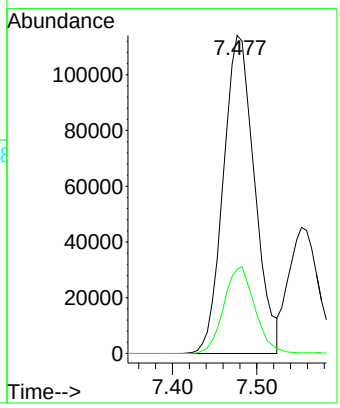




#25
2-Butanone
Concen: 240.802 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 43 Resp: 294434

Ion	Ratio	Lower	Upper
43	100		
72	26.5	21.4	32.0



Instrument :
MSVOA_N
ClientSampleId :
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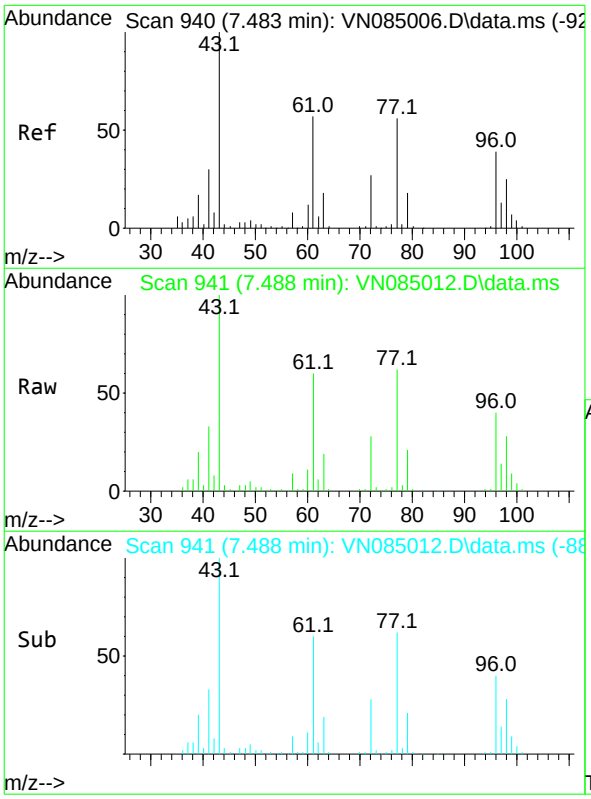
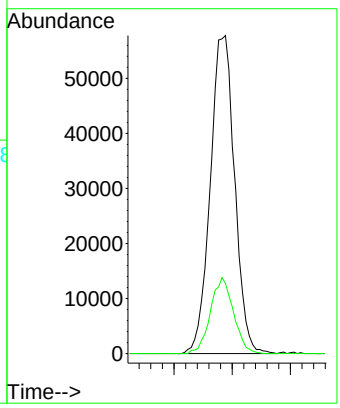
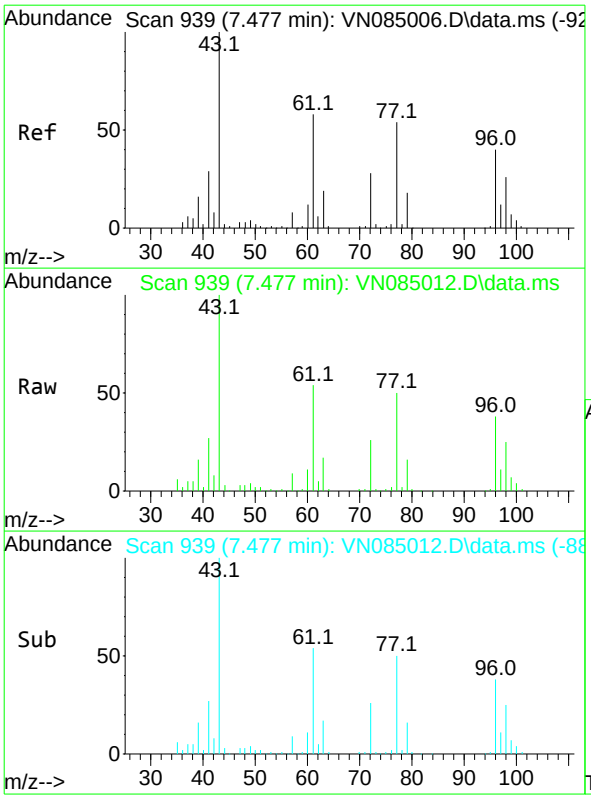


#26
2,2-Dichloropropane
Concen: 46.349 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 77 Resp: 168144

Ion	Ratio	Lower	Upper
77	100		
97	22.5	10.9	32.7

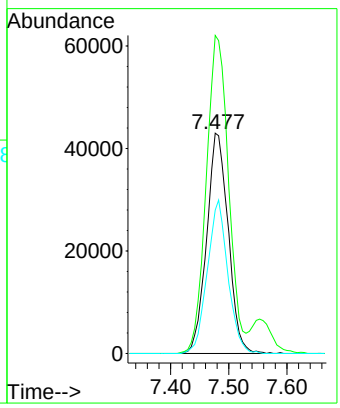




#27
cis-1,2-Dichloroethene
Concen: 45.609 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 96 Resp: 110716

Ion	Ratio	Lower	Upper
96	100		
61	149.3	0.0	291.6
98	66.6	0.0	129.8



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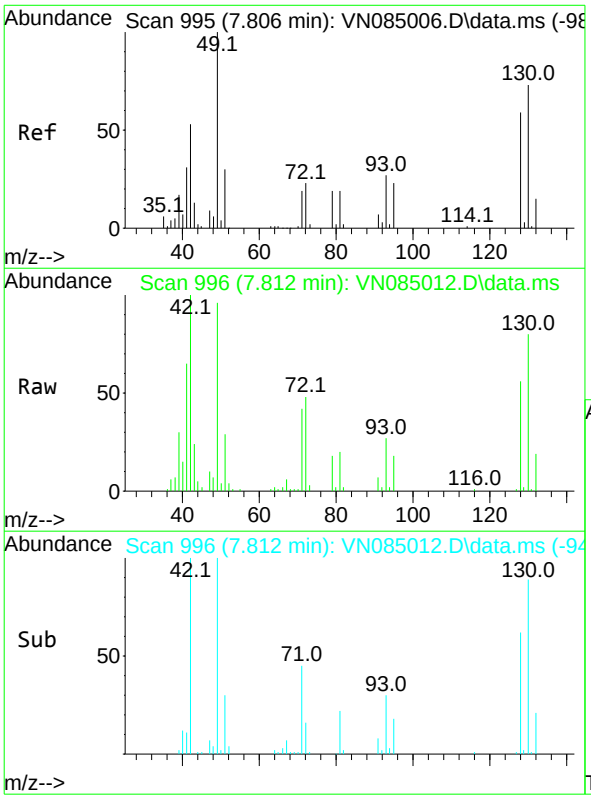
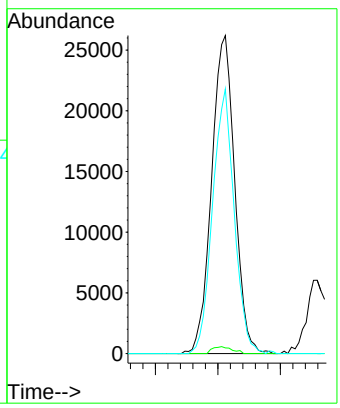
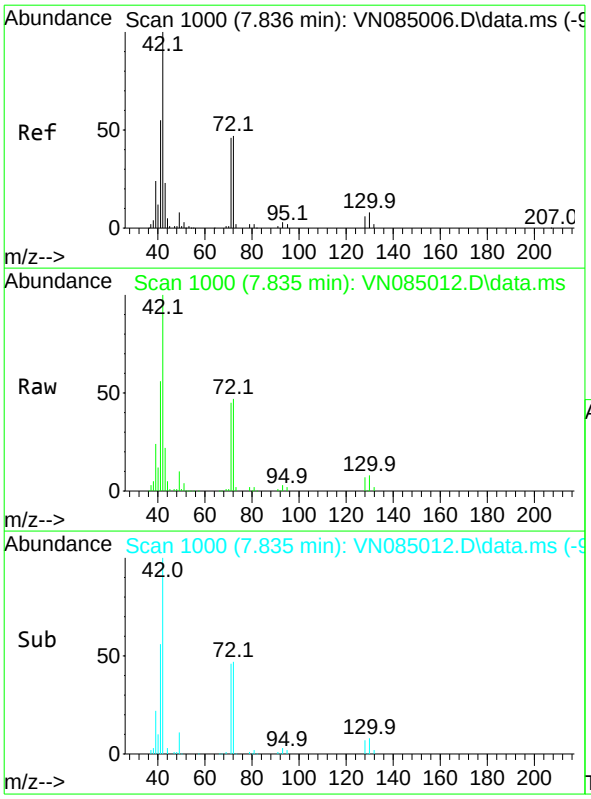


#28
Bromochloromethane
Concen: 45.913 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 49 Resp: 67335

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	78.0	60.6	90.8

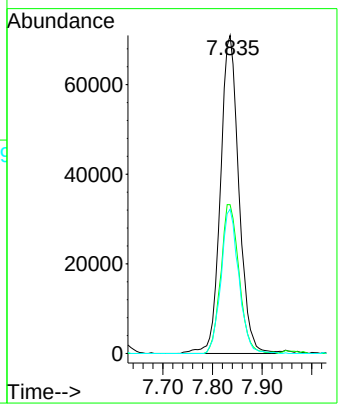




#29
Tetrahydrofuran
Concen: 241.241 ug/l
RT: 7.835 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 42 Resp: 183433

Ion	Ratio	Lower	Upper
42	100		
72	46.4	37.0	55.4
71	43.6	35.0	52.4



Instrument :
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ClientSampleId :
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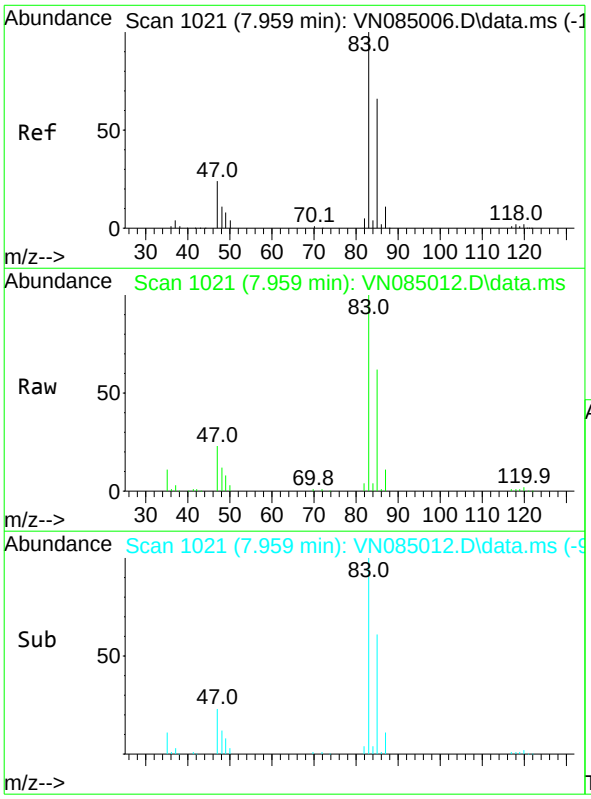
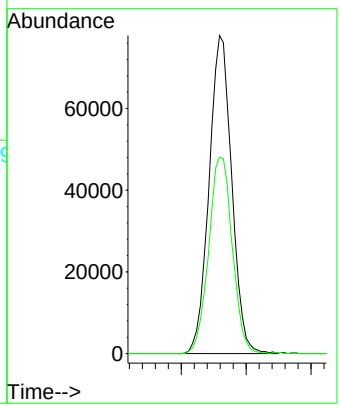
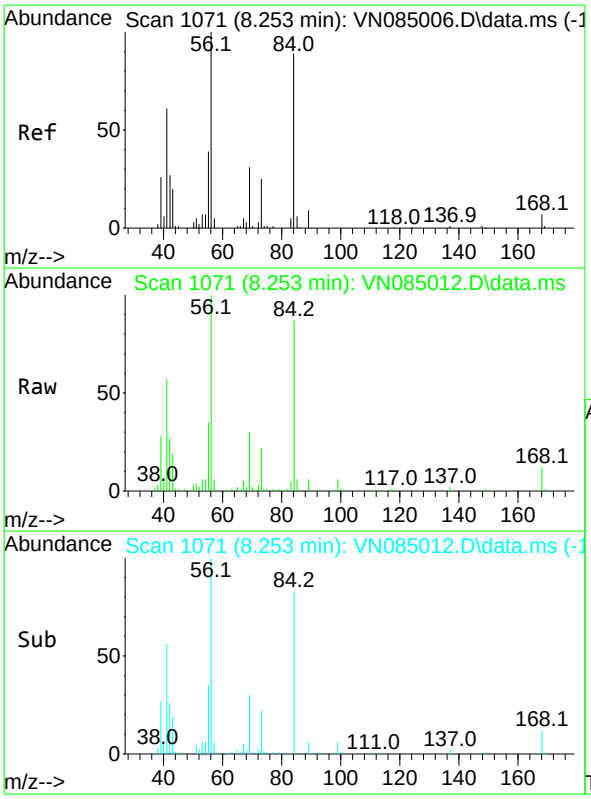


#30
Chloroform
Concen: 45.623 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 83 Resp: 188550

Ion	Ratio	Lower	Upper
83	100		
85	61.8	52.6	78.8

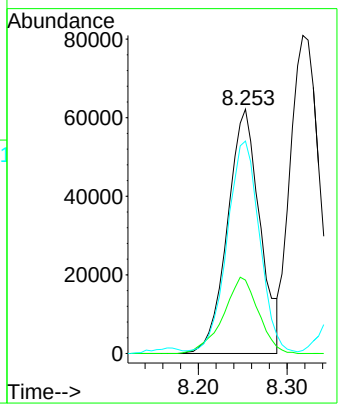




#31
Cyclohexane
Concen: 46.084 ug/l
RT: 8.253 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 56 Resp: 157639

Ion	Ratio	Lower	Upper
56	100		
69	30.0	24.6	36.8
84	85.3	71.4	107.2



Instrument :
MSVOA_N
ClientSampleId :
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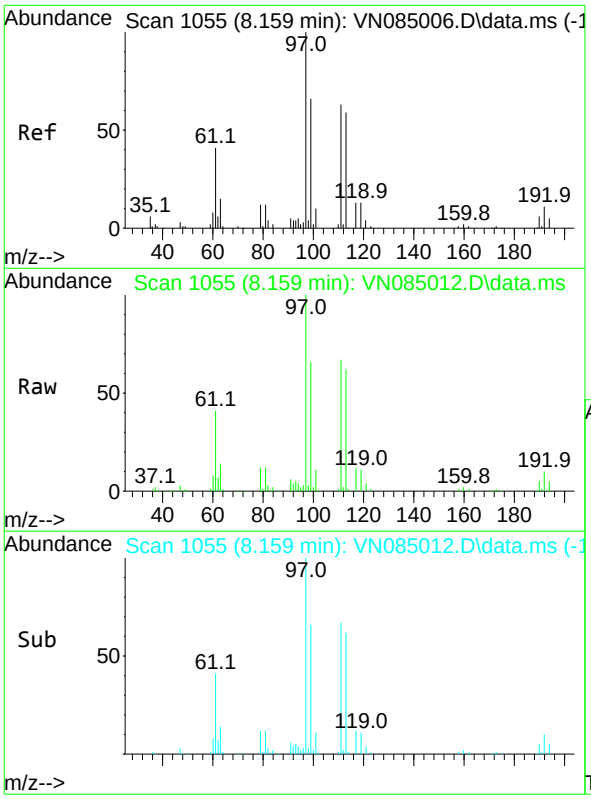
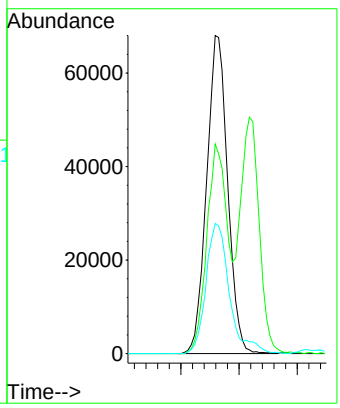
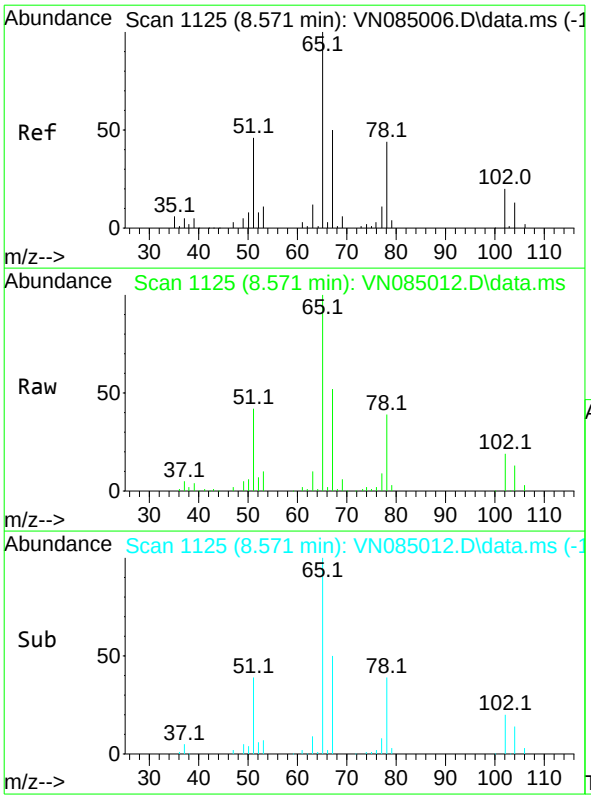


#32
1,1,1-Trichloroethane
Concen: 45.714 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 97 Resp: 170723

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.4
61	45.6	36.2	54.2

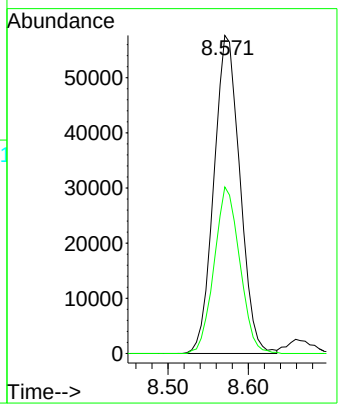




#33
1,2-Dichloroethane-d4
Concen: 50.568 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 65 Resp: 129855

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	105.0



Instrument :
MSVOA_N
ClientSampleId :
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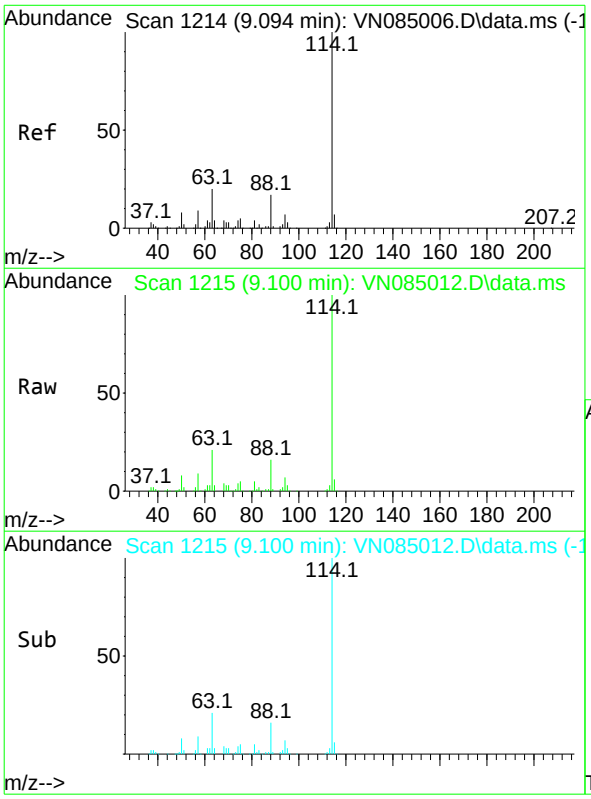
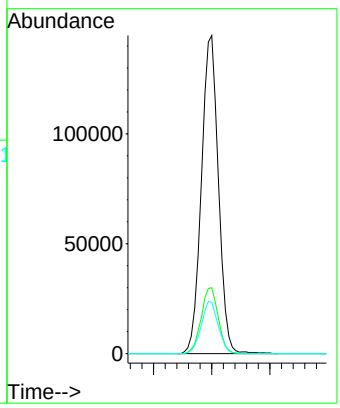
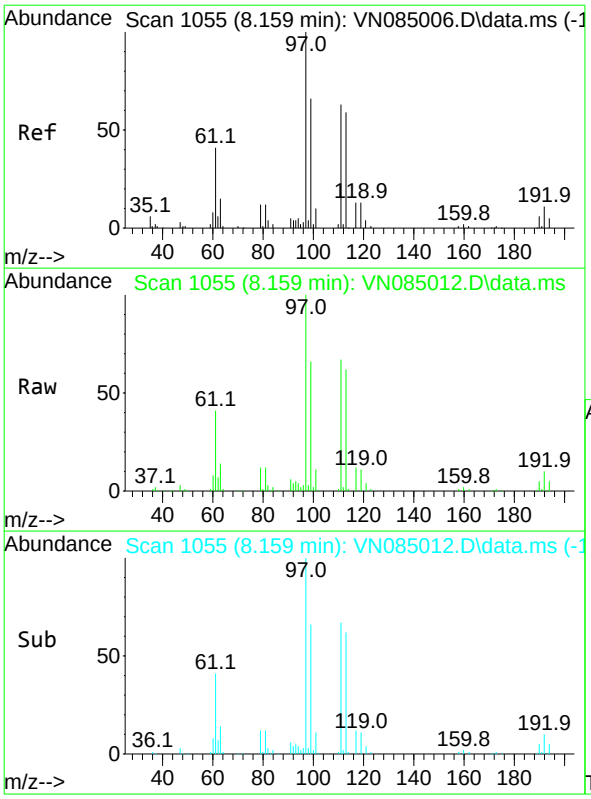


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:114 Resp: 293712

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	41.0
88	16.1	0.0	34.8

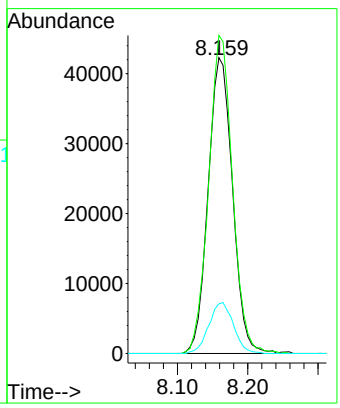




#35
Dibromofluoromethane
Concen: 51.572 ug/l
RT: 8.159 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:113 Resp: 102148

Ion	Ratio	Lower	Upper
113	100		
111	105.3	82.0	123.0
192	17.4	14.8	22.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

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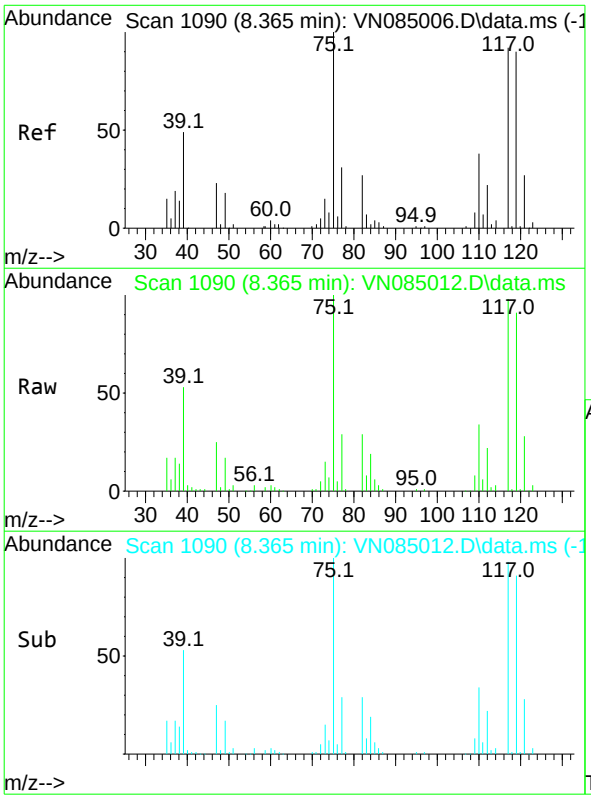
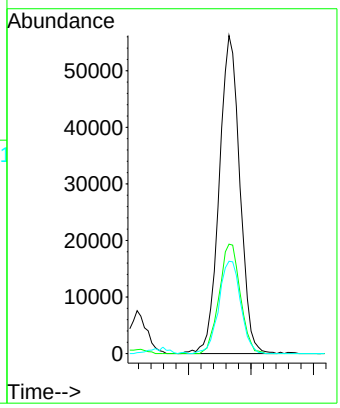
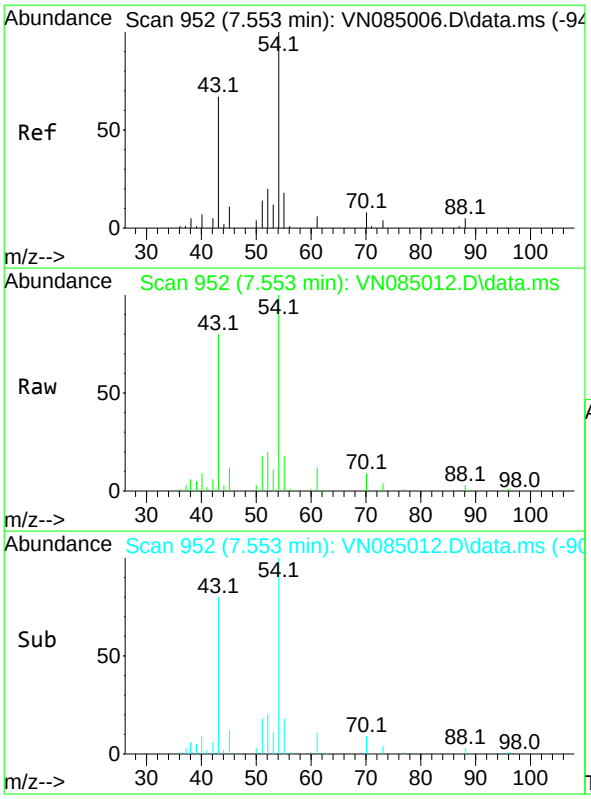


#36
1,1-Dichloropropene
Concen: 48.093 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 75 Resp: 129026

Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.2	51.6
77	30.7	24.2	36.4

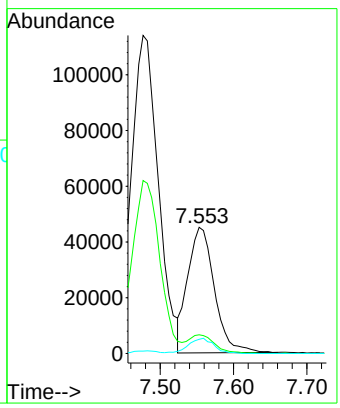




#37
Ethyl Acetate
Concen: 46.651 ug/l
RT: 7.553 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 43 Resp: 113781

Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.7	17.5
70	11.5	9.3	13.9



Instrument :
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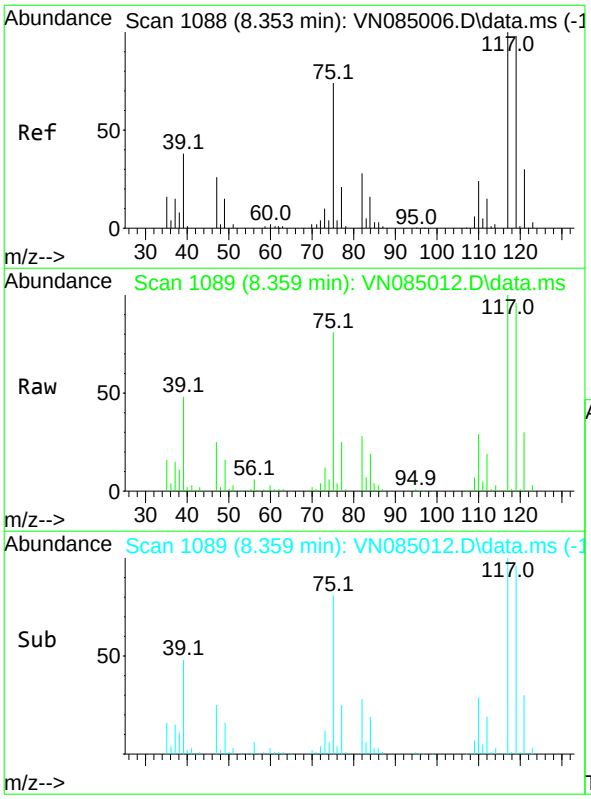
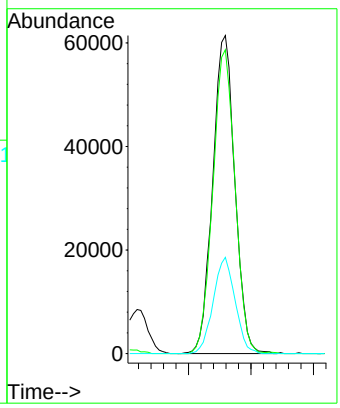
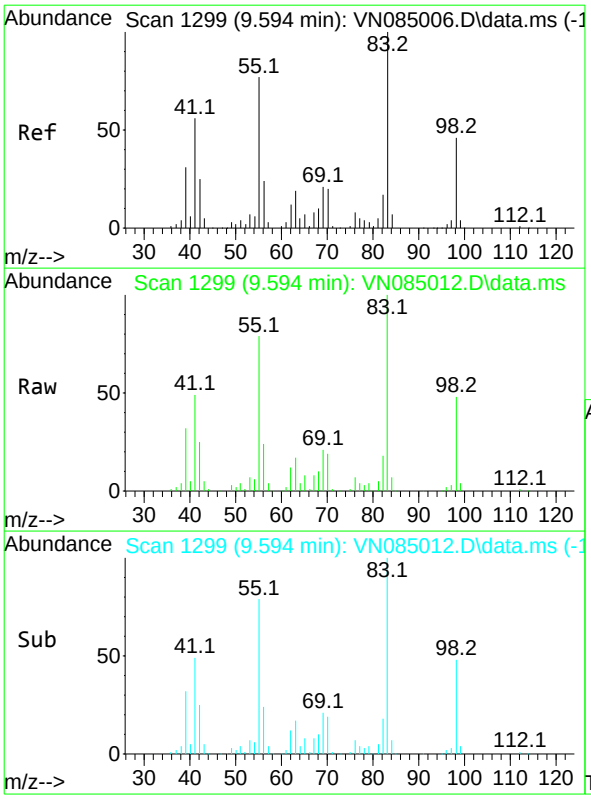


#38
Carbon Tetrachloride
Concen: 48.846 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:117 Resp: 151265

Ion	Ratio	Lower	Upper
117	100		
119	95.5	78.6	117.8
121	30.3	24.2	36.2

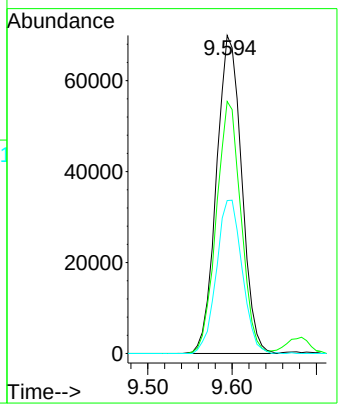




#39
Methylcyclohexane
Concen: 52.114 ug/l
RT: 9.594 min Scan# 12
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 83 Resp: 145286

Ion	Ratio	Lower	Upper
83	100		
55	79.2	61.8	92.6
98	48.1	37.0	55.6



Instrument :
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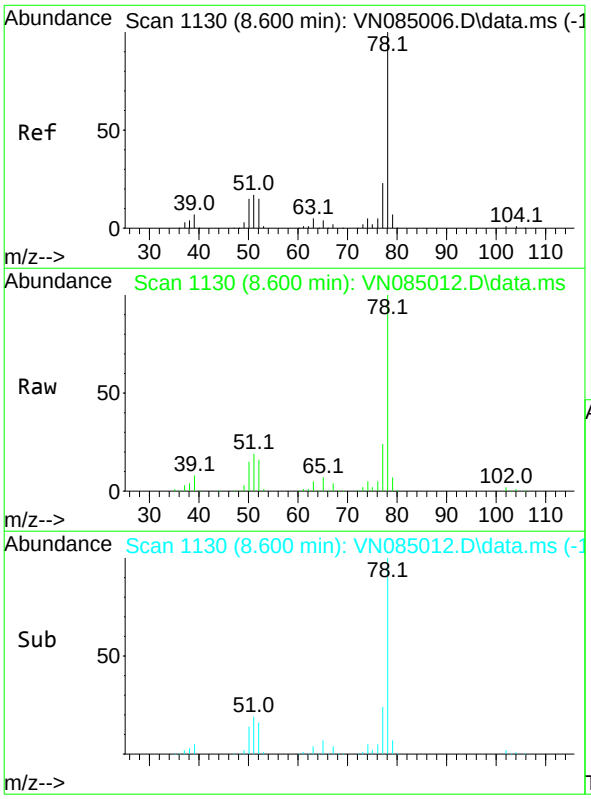
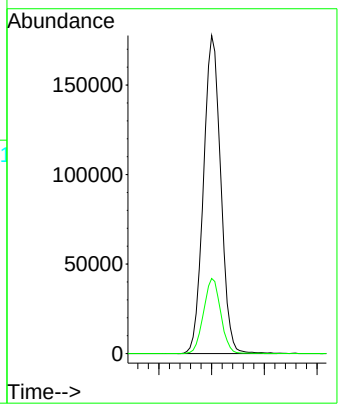
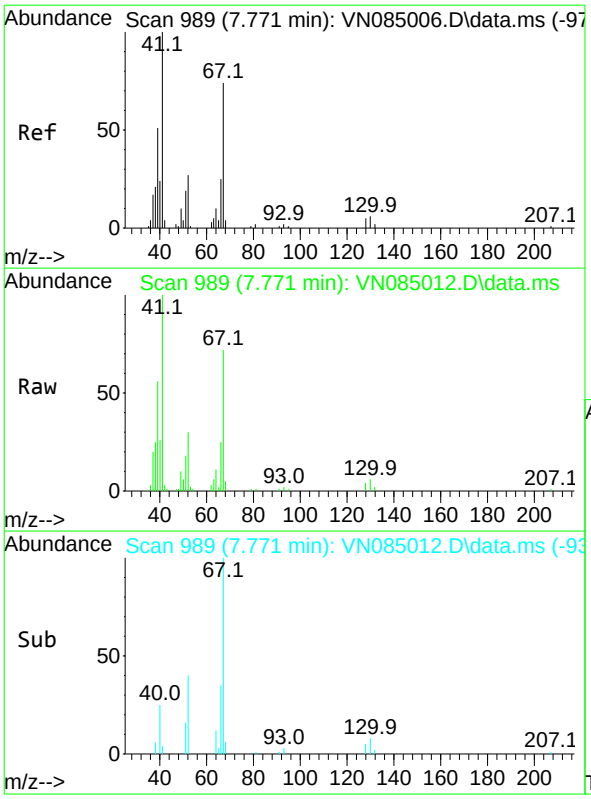


#40
Benzene
Concen: 47.675 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 78 Resp: 404536

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.5	27.7

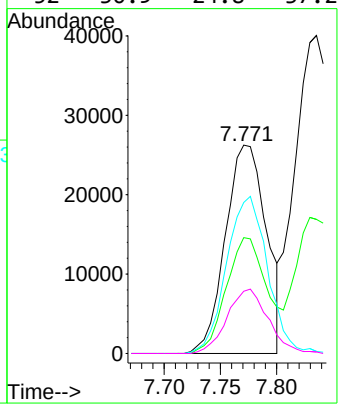




#41
Methacrylonitrile
Concen: 49.311 ug/l
RT: 7.771 min Scan# 98
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 41 Resp: 66590

Ion	Ratio	Lower	Upper
41	100		
39	56.6	42.6	63.8
67	75.5	59.9	89.9
52	30.9	24.8	37.2



Instrument :
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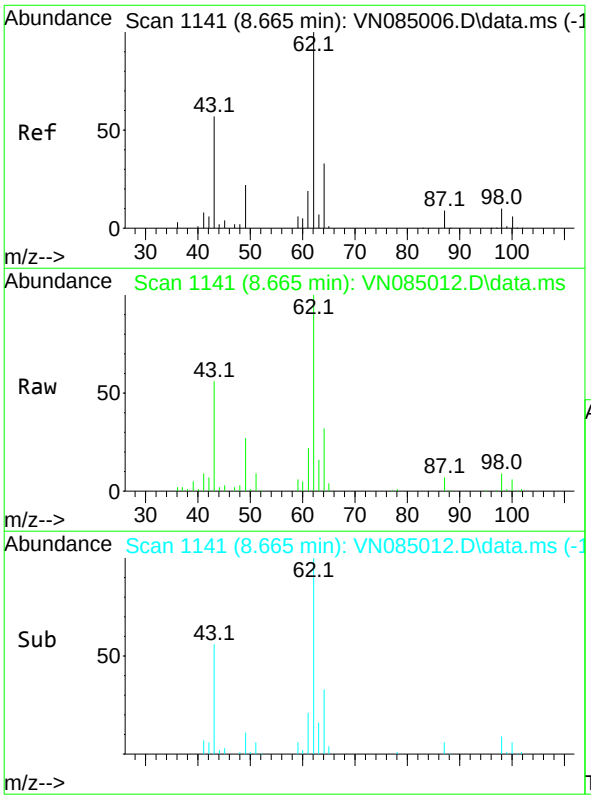
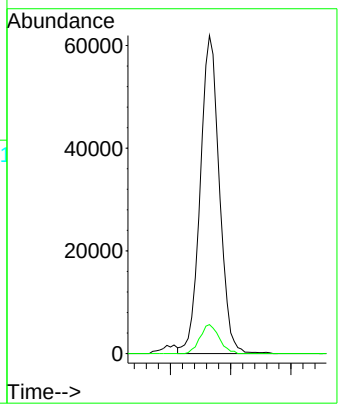
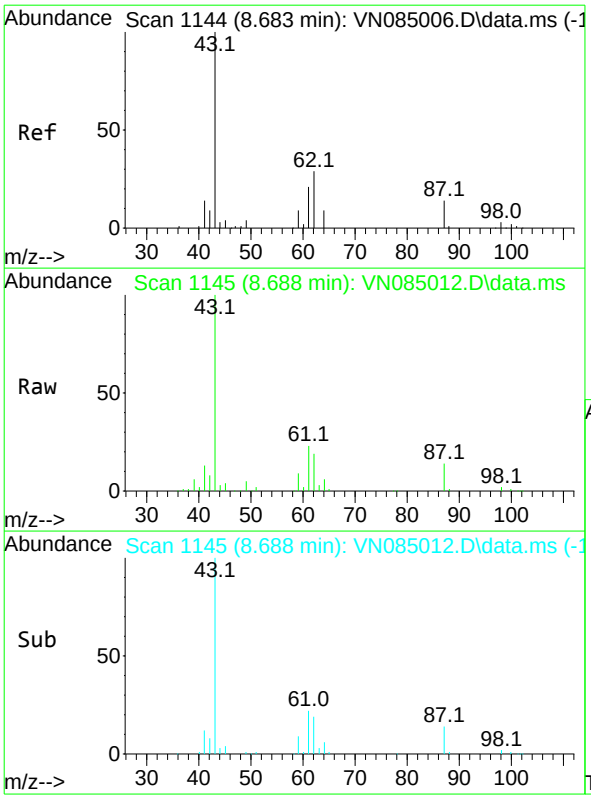


#42
1,2-Dichloroethane
Concen: 47.025 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 62 Resp: 136508

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2

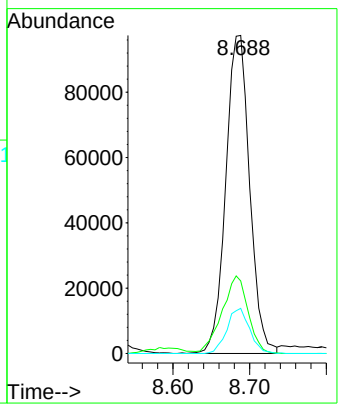




#43
Isopropyl Acetate
Concen: 41.574 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 43 Resp: 210623

Ion	Ratio	Lower	Upper
43	100		
61	26.7	20.6	30.8
87	13.5	11.0	16.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

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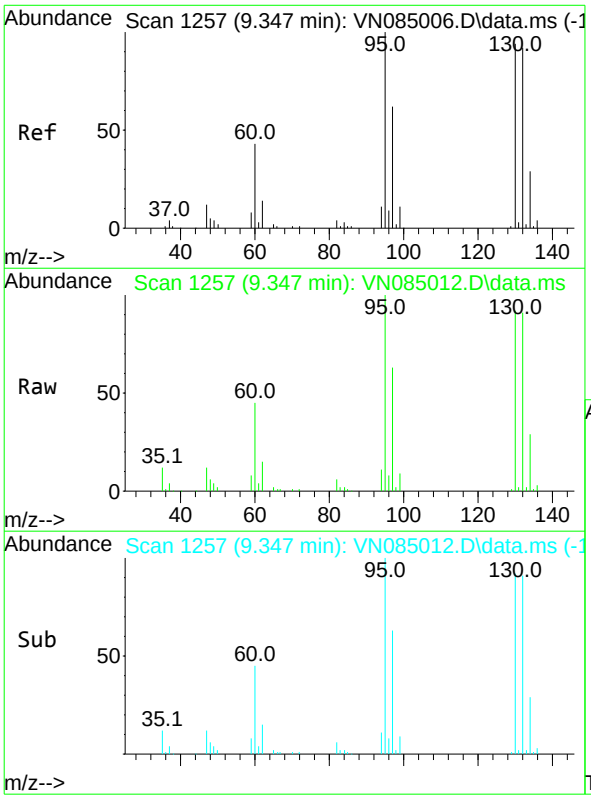
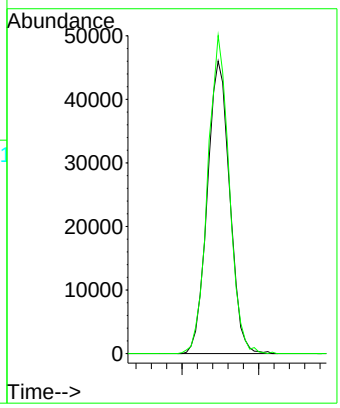
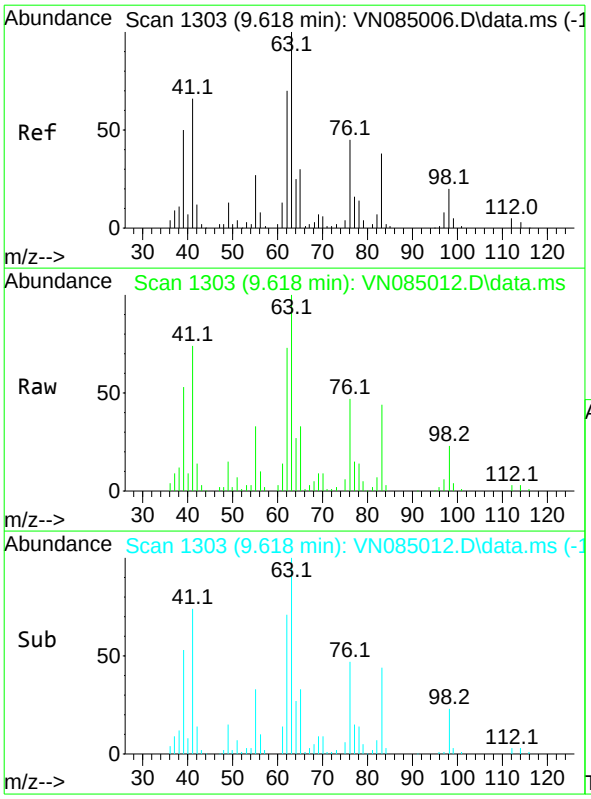


#44
Trichloroethene
Concen: 47.205 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:130 Resp: 93086

Ion	Ratio	Lower	Upper
130	100		
95	108.7	0.0	213.4

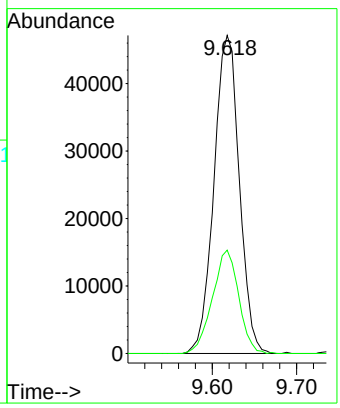




#45
1,2-Dichloropropane
Concen: 47.073 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 63 Resp: 98380

Ion	Ratio	Lower	Upper
63	100		
65	32.5	24.0	36.0



Instrument :
MSVOA_N
ClientSampleId :
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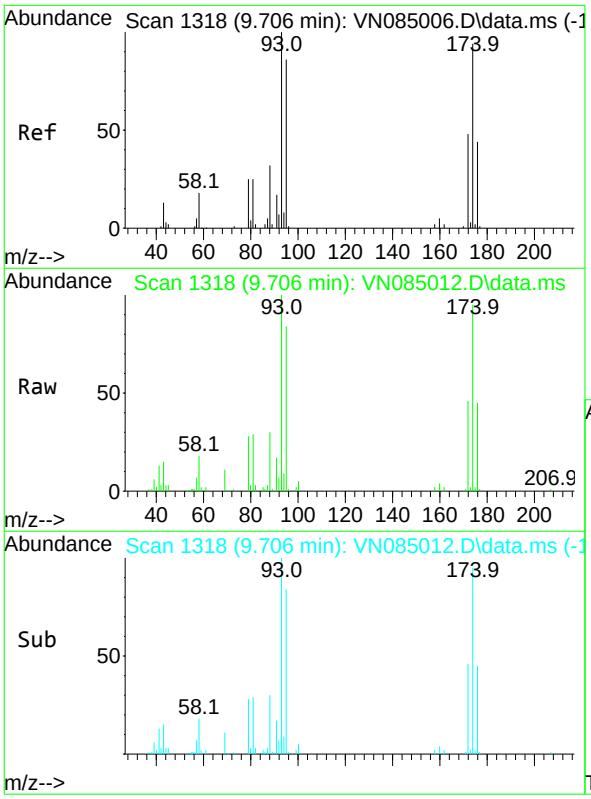
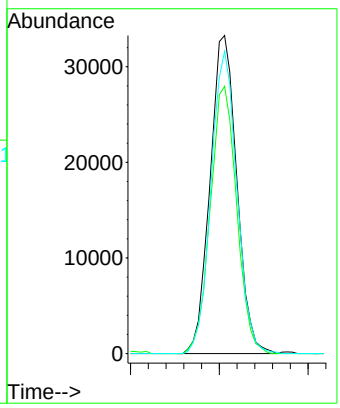
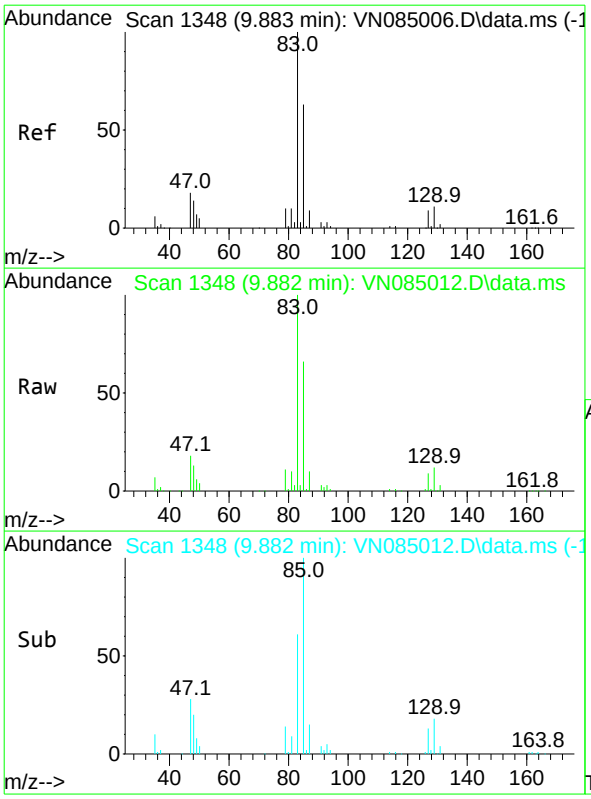


#46
Dibromomethane
Concen: 47.909 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 93 Resp: 69575

Ion	Ratio	Lower	Upper
93	100		
95	82.9	66.2	99.4
174	91.9	74.9	112.3

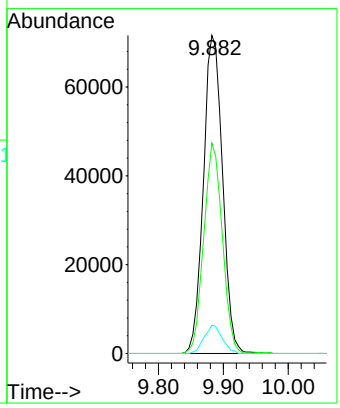




#47
Bromodichloromethane
Concen: 47.631 ug/l
RT: 9.882 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 83 Resp: 146603

Ion	Ratio	Lower	Upper
83	100		
85	66.2	50.5	75.7
127	8.9	7.1	10.7



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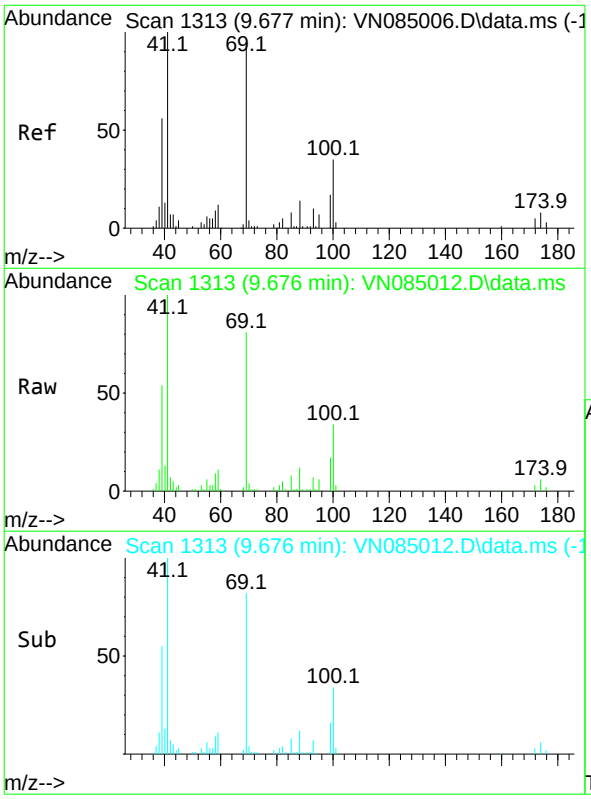
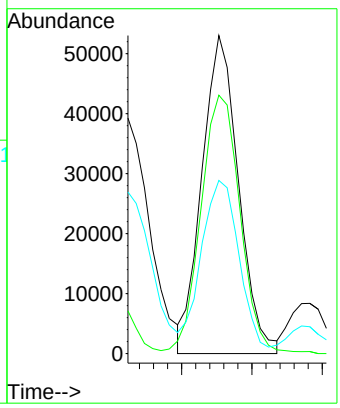
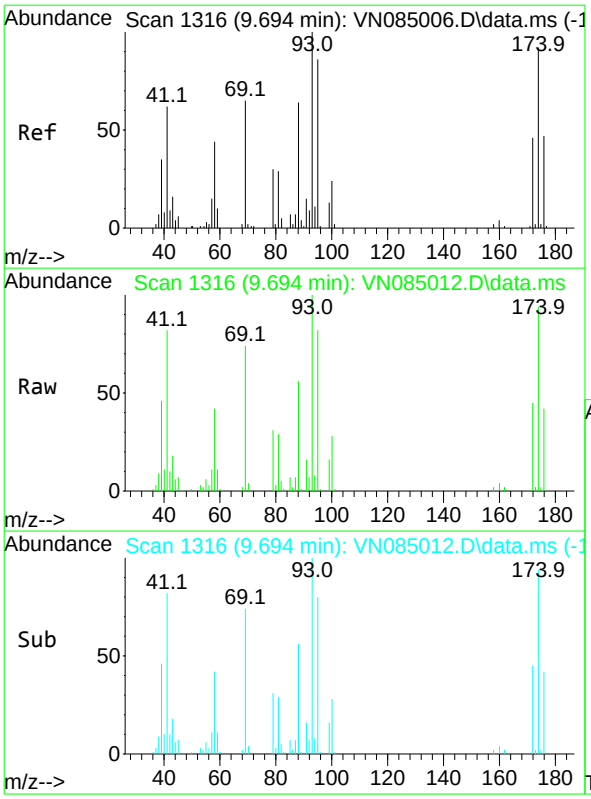


#48
Methyl methacrylate
Concen: 50.900 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 41 Resp: 95959

Ion	Ratio	Lower	Upper
41	100		
69	86.9	73.2	109.8
39	57.0	46.2	69.4





#49
1,4-Dioxane
Concen: 950.585 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 88 Resp: 31078

Ion	Ratio	Lower	Upper
88	100		
43	0.0	16.7	25.1#
58	73.0	56.5	84.7

Instrument :
MSVOA_N
ClientSampleId :
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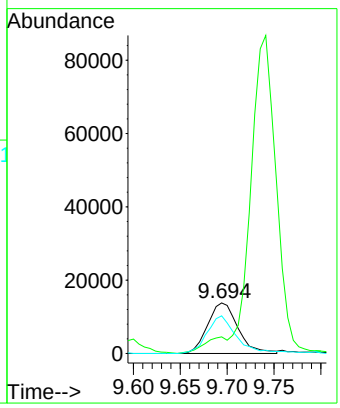
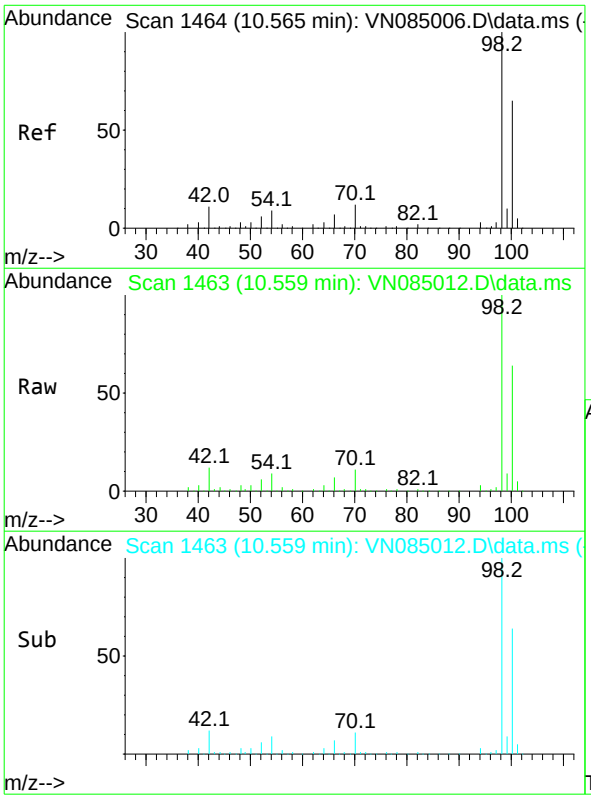
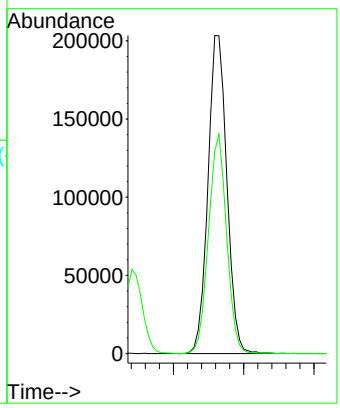


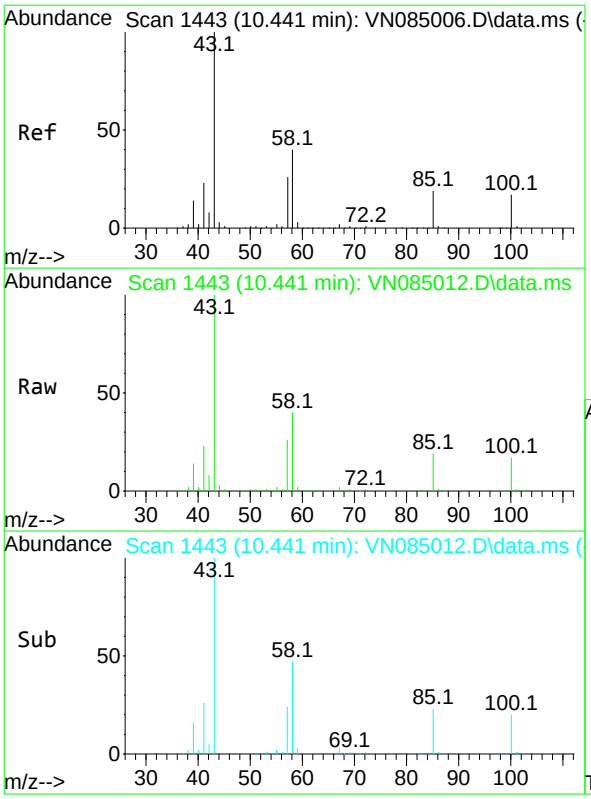


#50
Toluene-d8
Concen: 53.488 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 98 Resp: 379679

Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.5	78.7

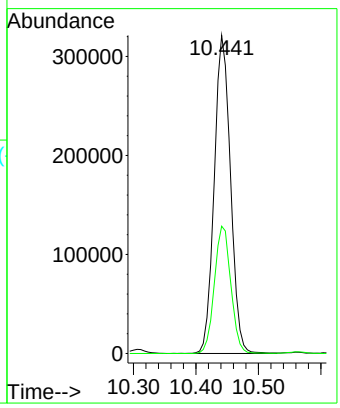




#51
4-Methyl-2-Pentanone
Concen: 251.720 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 43 Resp: 582480

Ion	Ratio	Lower	Upper
43	100		
58	40.4	32.1	48.1



Instrument :
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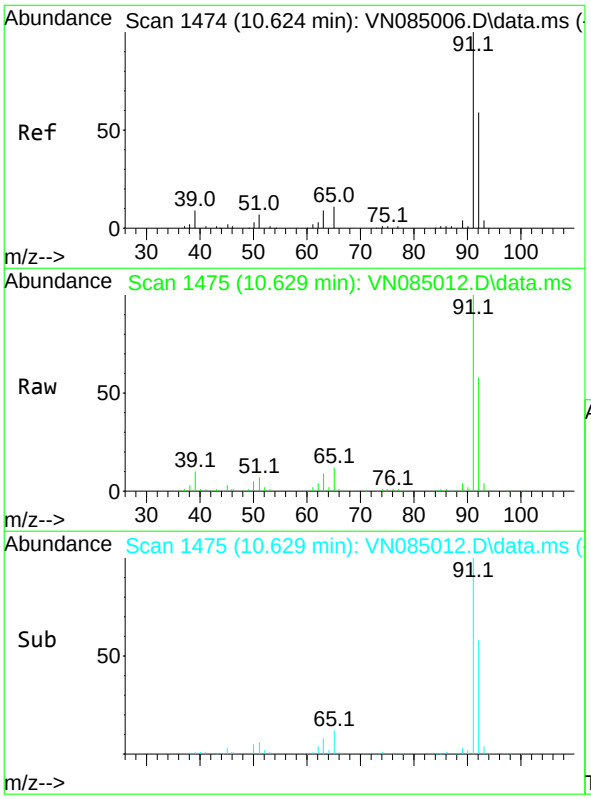
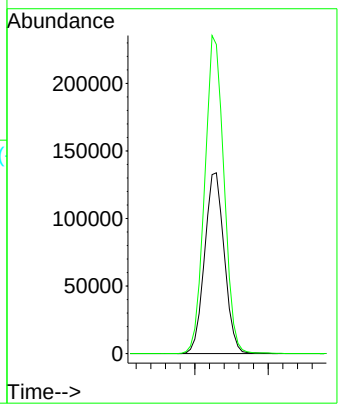
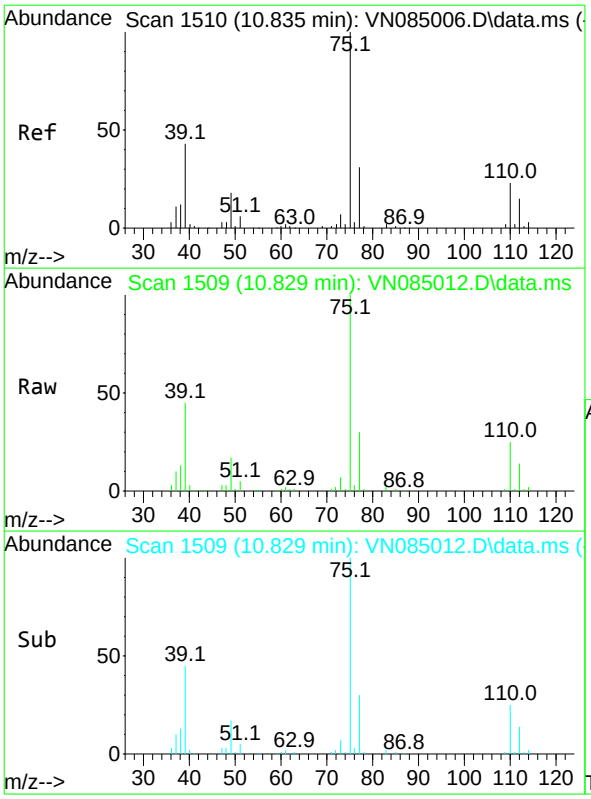


#52
Toluene
Concen: 49.682 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 92 Resp: 249568

Ion	Ratio	Lower	Upper
92	100		
91	171.9	136.7	205.1

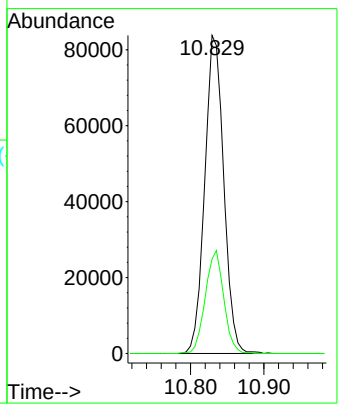




#53
t-1,3-Dichloropropene
Concen: 48.881 ug/l
RT: 10.829 min Scan# 15
Delta R.T. -0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 75 Resp: 150836

Ion	Ratio	Lower	Upper
75	100		
77	29.7	25.0	37.4



Instrument :
MSVOA_N
ClientSampleId :
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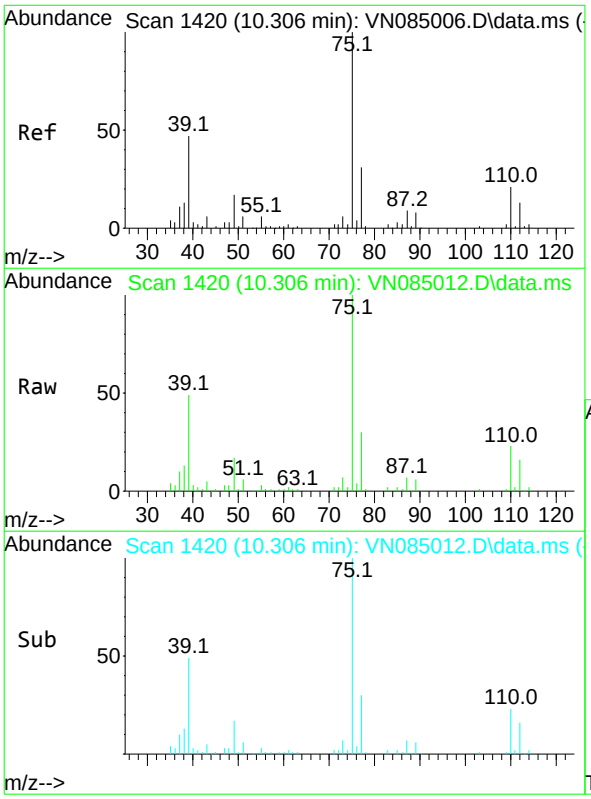
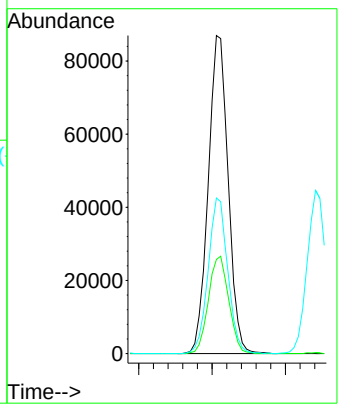
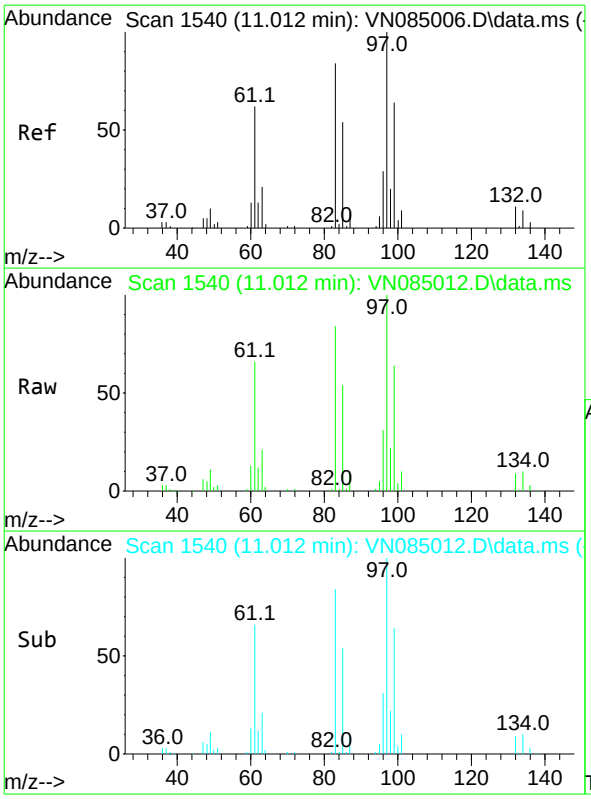


#54
cis-1,3-Dichloropropene
Concen: 50.100 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 75 Resp: 164009

Ion	Ratio	Lower	Upper
75	100		
77	29.6	25.0	37.4
39	48.9	37.6	56.4

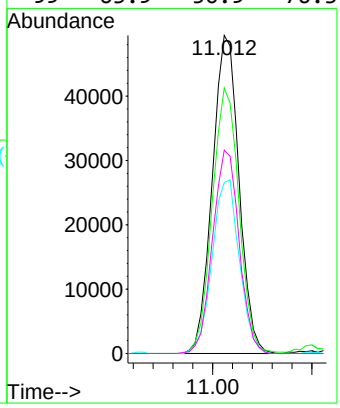




#55
1,1,2-Trichloroethane
Concen: 49.287 ug/l
RT: 11.012 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 97 Resp: 92219

Ion	Ratio	Lower	Upper
97	100		
83	83.5	67.4	101.2
85	53.8	43.1	64.7
99	63.9	50.9	76.3



Instrument :
MSVOA_N
ClientSampleId :
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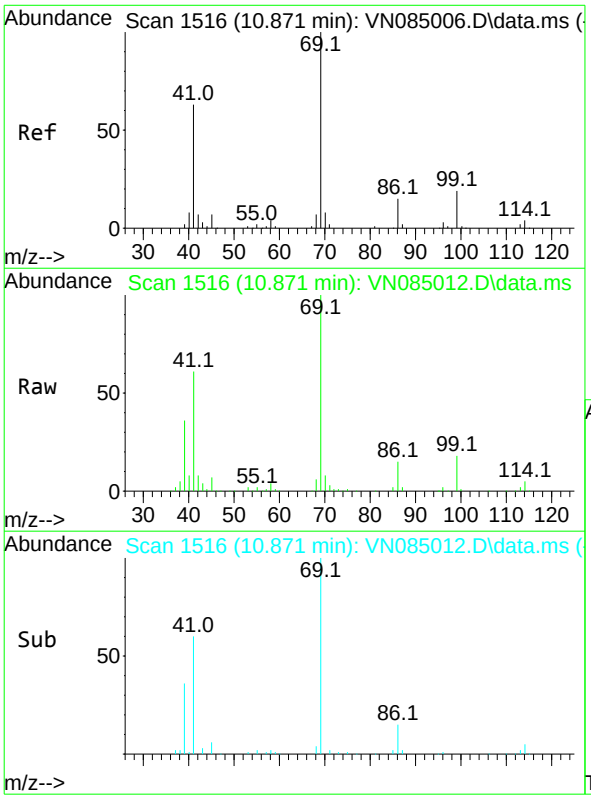
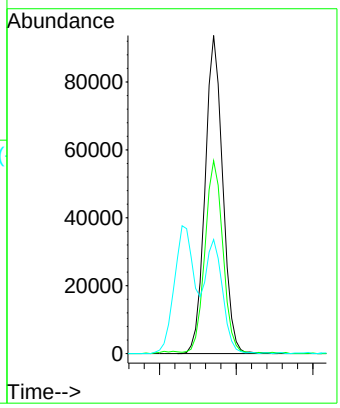
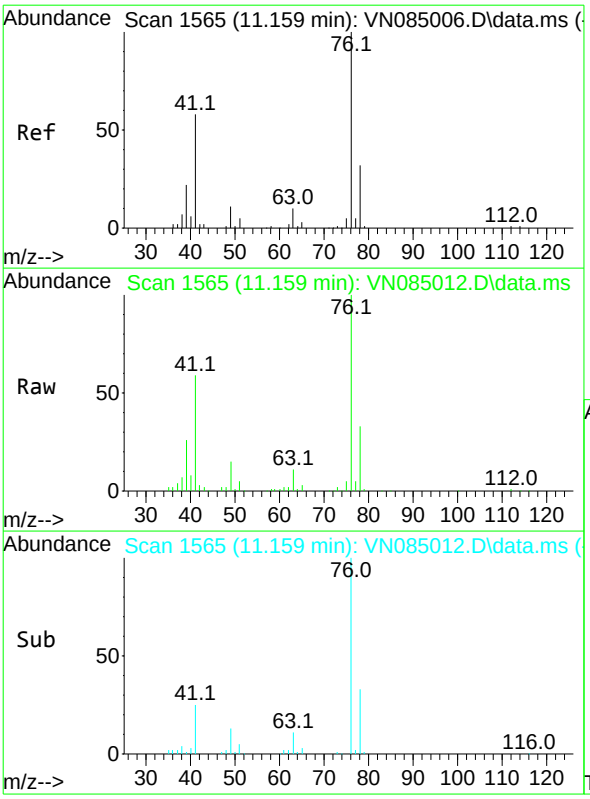


#56
Ethyl methacrylate
Concen: 54.694 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 69 Resp: 149537

Ion	Ratio	Lower	Upper
69	100		
41	61.1	50.0	75.0
39	34.6	27.0	40.6

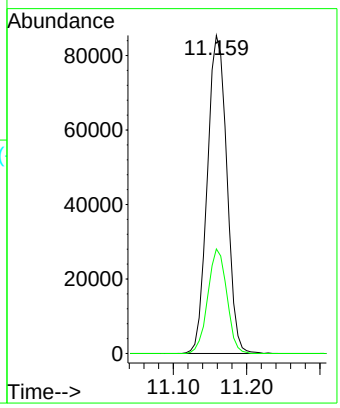




#57
1,3-Dichloropropane
Concen: 47.980 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 76 Resp: 158000

Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.1	39.1



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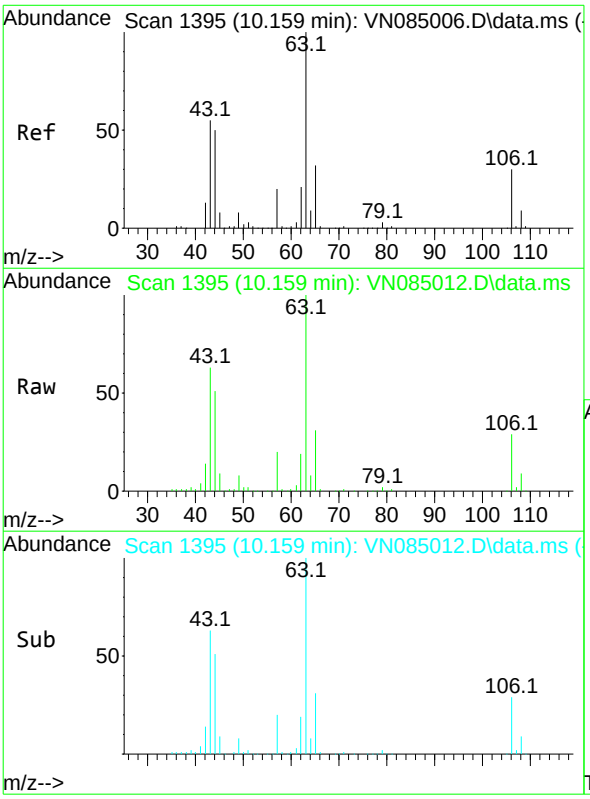
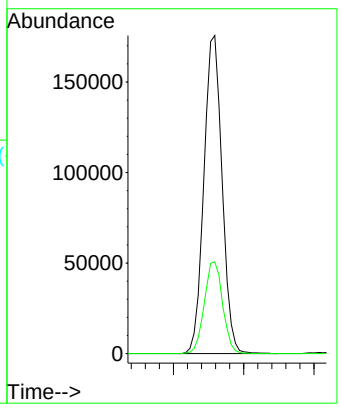
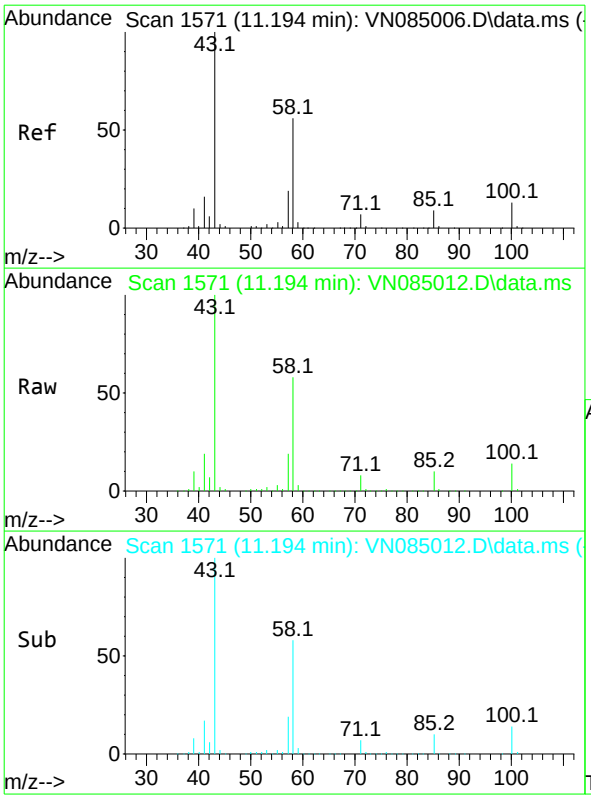


#58
2-Chloroethyl Vinyl ether
Concen: 235.323 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 63 Resp: 315602

Ion	Ratio	Lower	Upper
63	100		
106	29.1	23.0	34.6

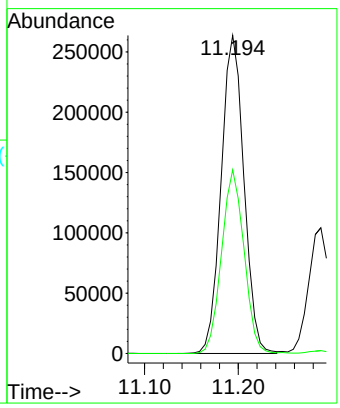




#59
2-Hexanone
Concen: 256.983 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 43 Resp: 444749

Ion	Ratio	Lower	Upper
43	100		
58	56.9	28.3	85.0



Instrument :
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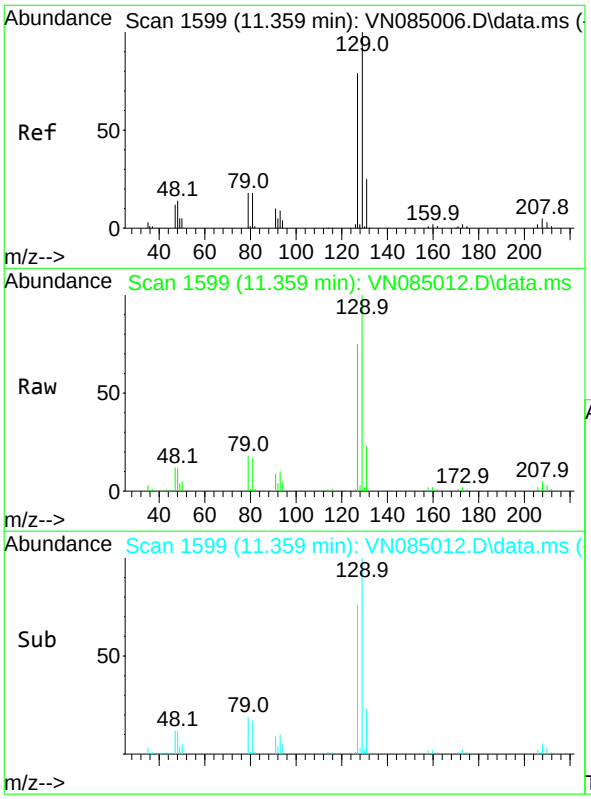
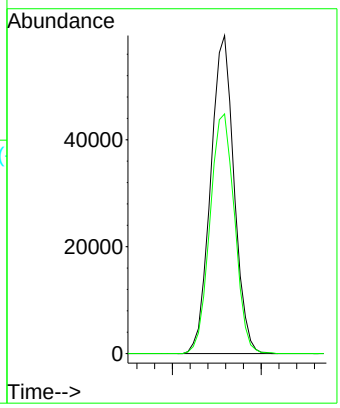
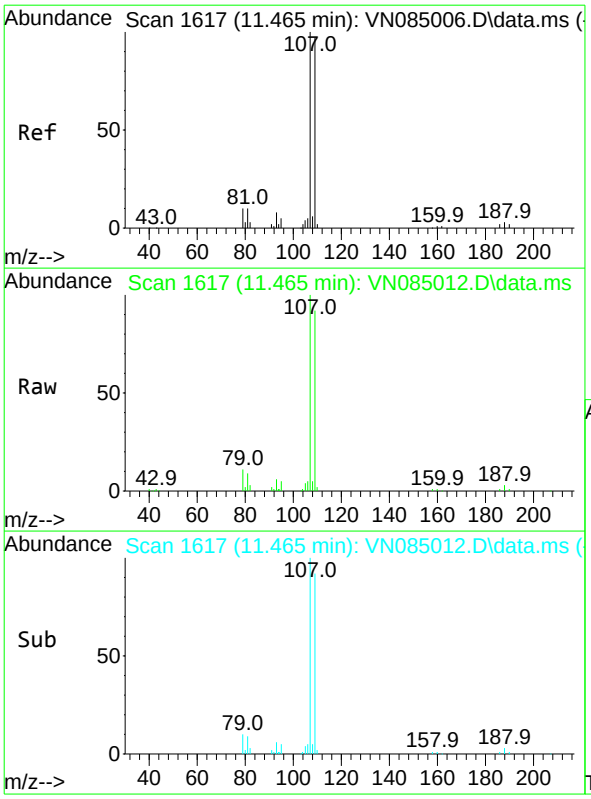


#60
Dibromochloromethane
Concen: 47.650 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:129 Resp: 108961

Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.2	117.6





#61
1,2-Dibromoethane
Concen: 48.883 ug/l
RT: 11.465 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:107 Resp: 94657

Ion	Ratio	Lower	Upper
107	100		
109	90.8	76.1	114.1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

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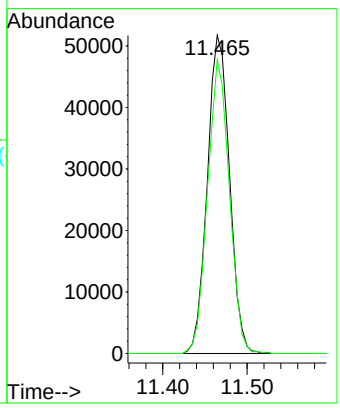
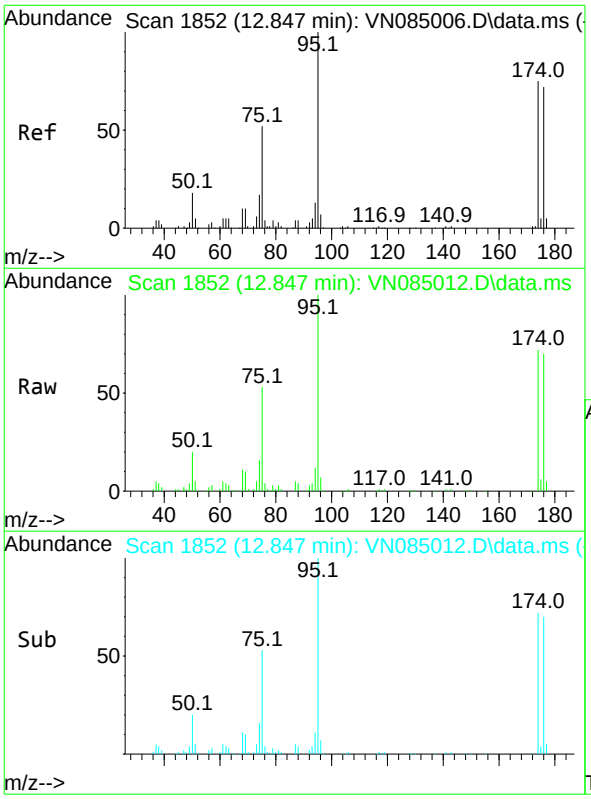
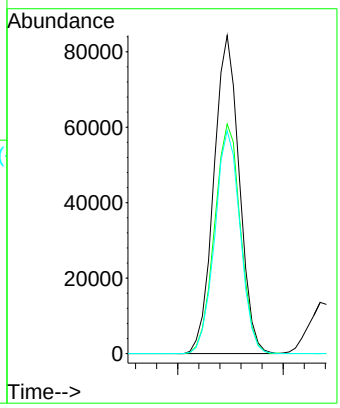


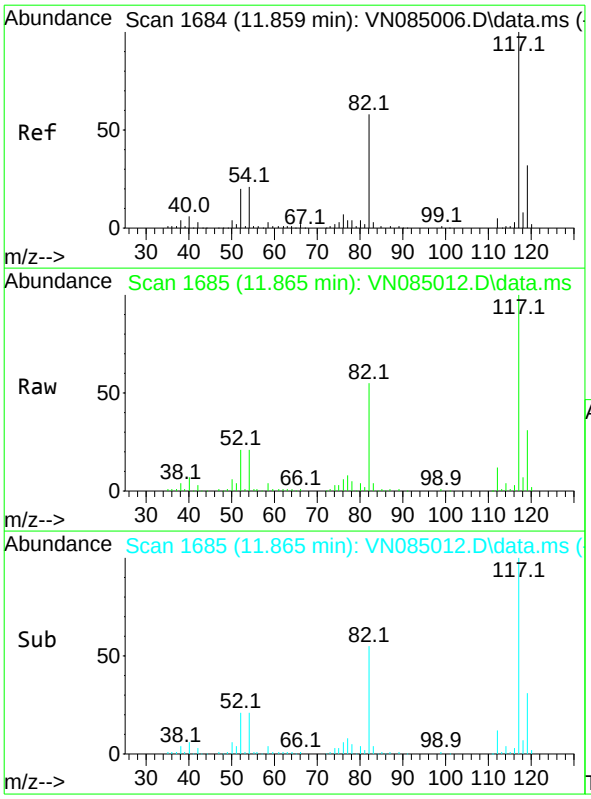


#62
4-Bromofluorobenzene
Concen: 53.276 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 95 Resp: 141423

Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	146.6
176	69.8	0.0	141.8

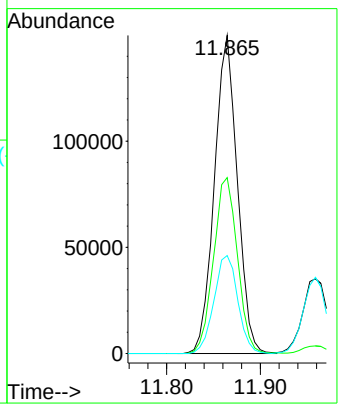




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:117 Resp: 254182

Ion	Ratio	Lower	Upper
117	100		
82	55.3	46.0	69.0
119	30.8	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

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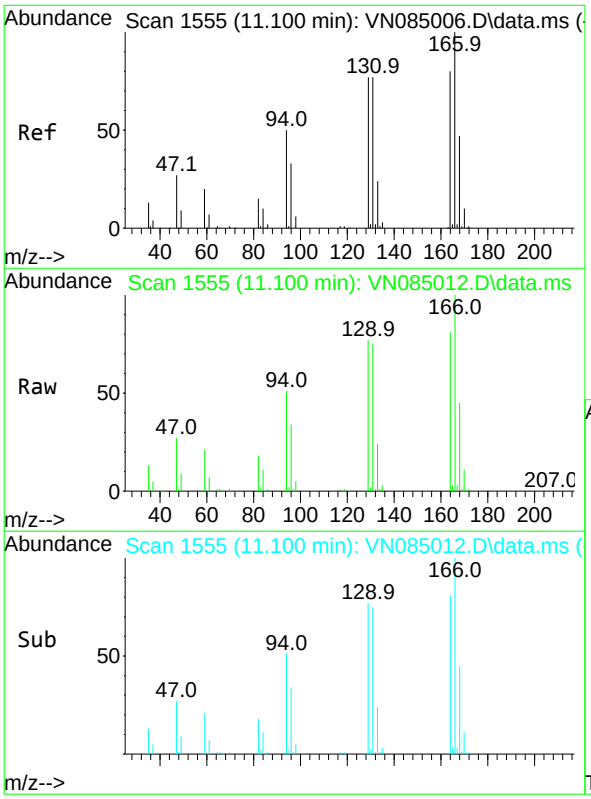
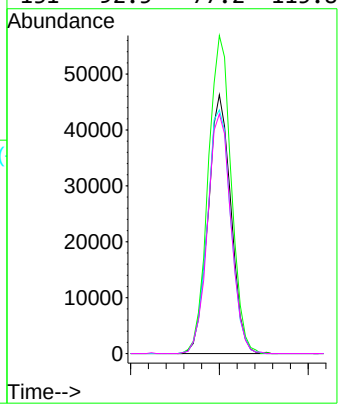
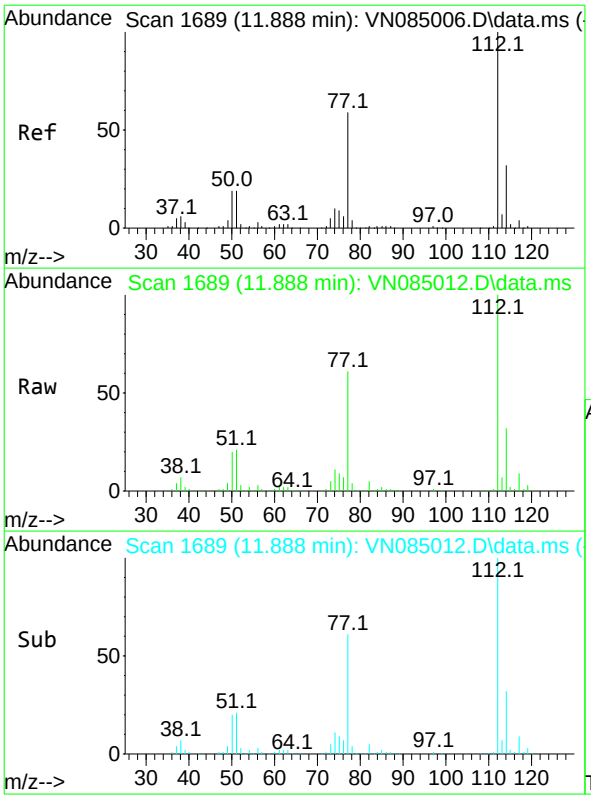


#64
Tetrachloroethene
Concen: 48.316 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:164 Resp: 82753

Ion	Ratio	Lower	Upper
164	100		
166	122.9	100.6	151.0
129	94.2	77.7	116.5
131	92.5	77.2	115.8

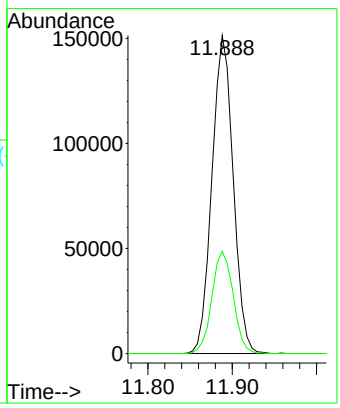




#65
Chlorobenzene
Concen: 45.936 ug/l
RT: 11.888 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:112 Resp: 264798

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.8	38.6



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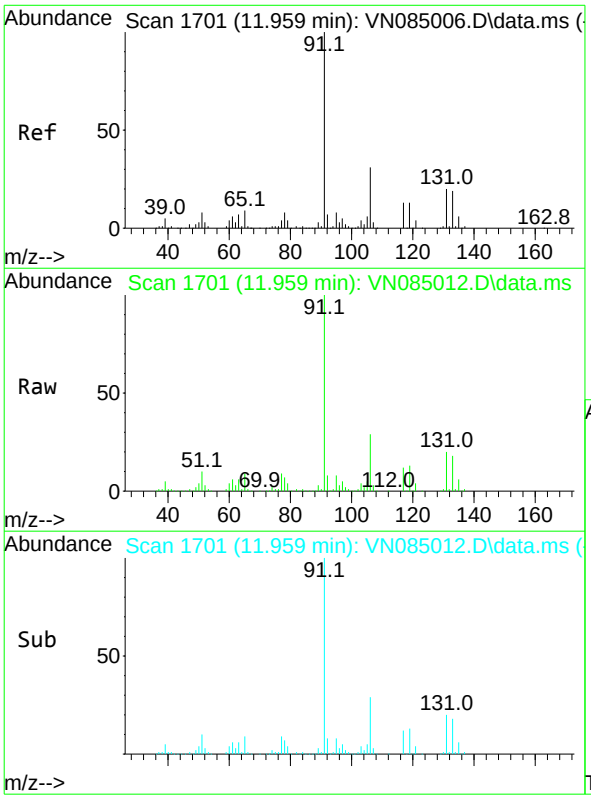
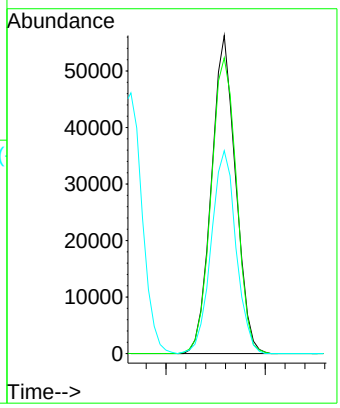
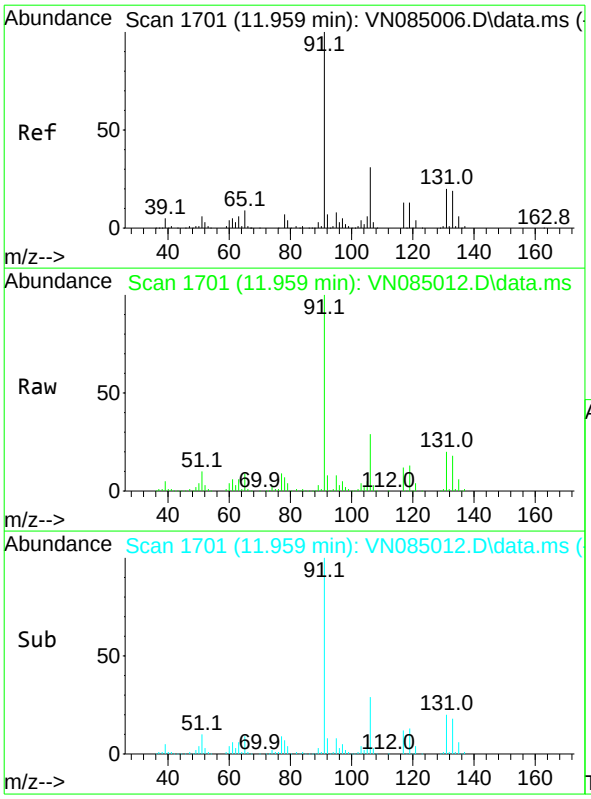


#66
1,1,1,2-Tetrachloroethane
Concen: 46.991 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:131 Resp: 95374

Ion	Ratio	Lower	Upper
131	100		
133	97.7	47.8	143.4
119	65.5	32.1	96.3

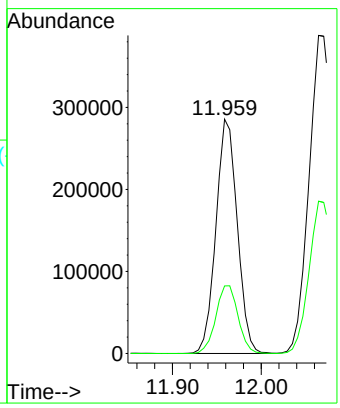




#67
Ethyl Benzene
Concen: 51.046 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 91 Resp: 477400

Ion	Ratio	Lower	Upper
91	100		
106	28.8	24.7	37.1



Instrument :
MSVOA_N
ClientSampleId :
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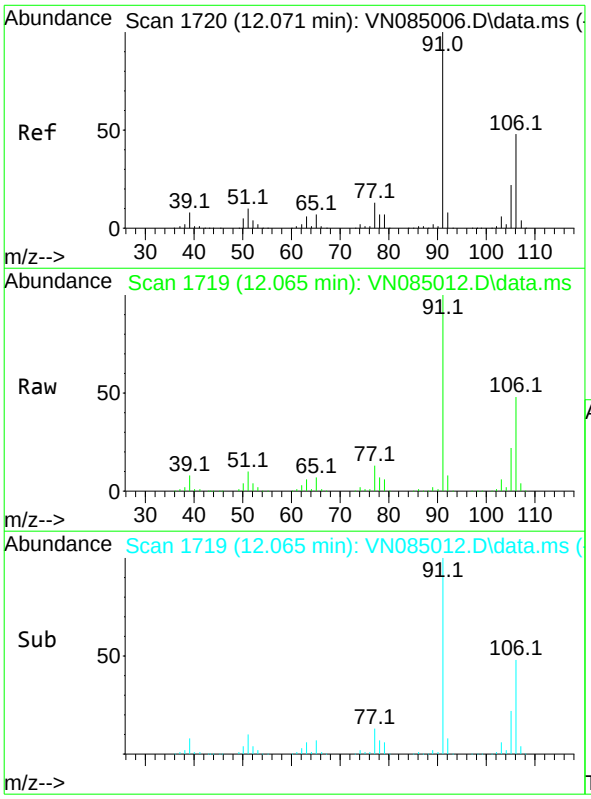
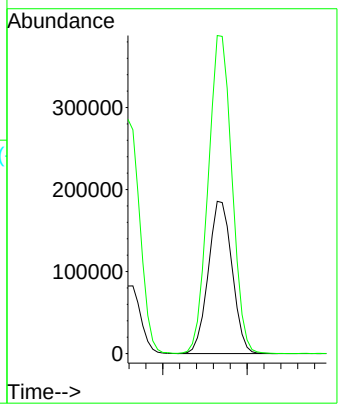
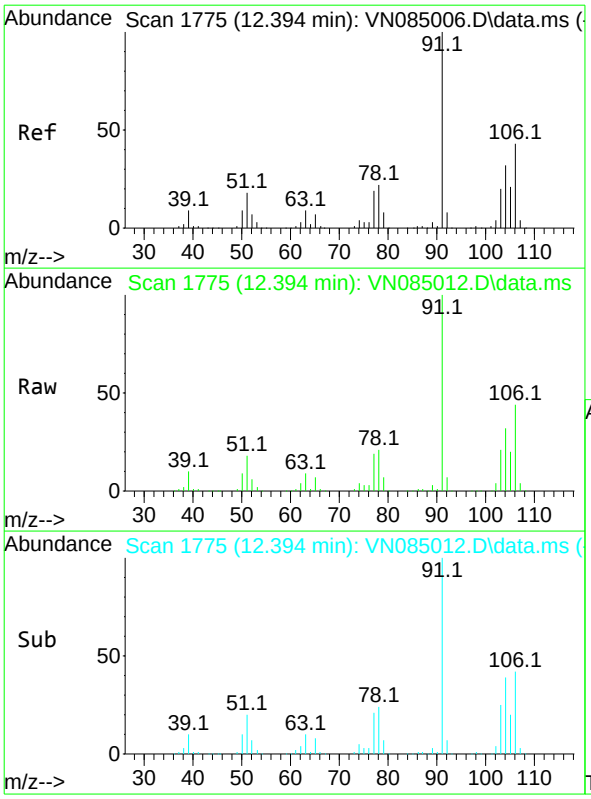


#68
m/p-Xylenes
Concen: 101.951 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:106 Resp: 363006

Ion	Ratio	Lower	Upper
106	100		
91	209.0	168.0	252.0

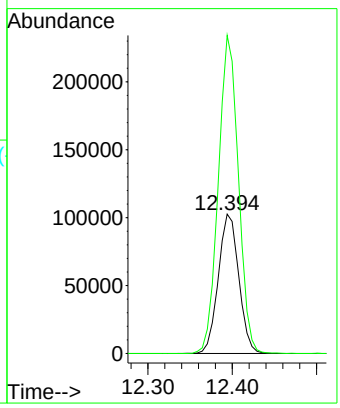




#69
o-Xylene
Concen: 51.086 ug/l
RT: 12.394 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:106 Resp: 173028

Ion	Ratio	Lower	Upper
106	100		
91	223.8	110.7	331.9



Instrument :
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ClientSampleId :
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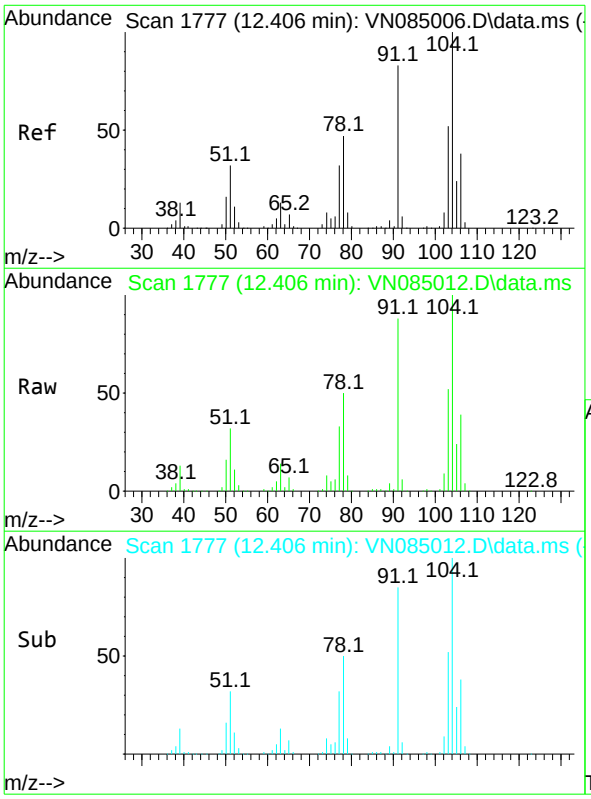
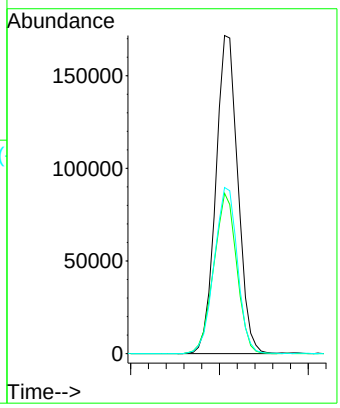
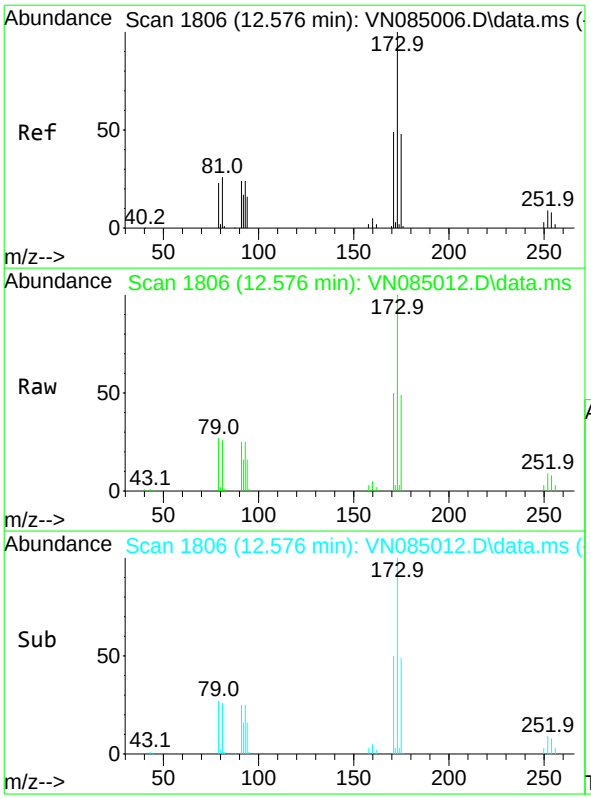


#70
Styrene
Concen: 52.687 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:104 Resp: 296759

Ion	Ratio	Lower	Upper
104	100		
78	52.3	42.3	63.5
103	55.0	44.2	66.2

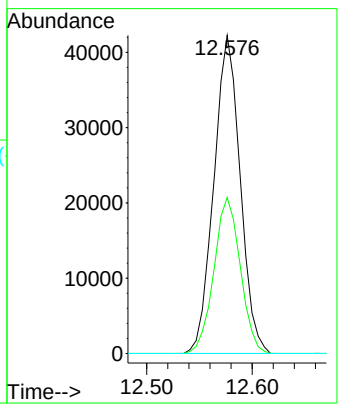




#71
Bromoform
Concen: 48.617 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:173 Resp: 73244

Ion	Ratio	Lower	Upper
173	100		
175	49.0	23.8	71.2
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

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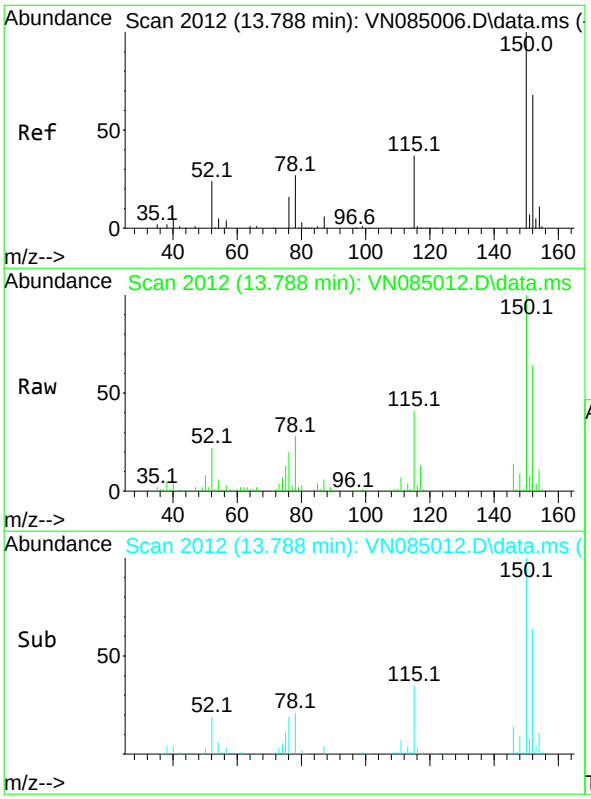
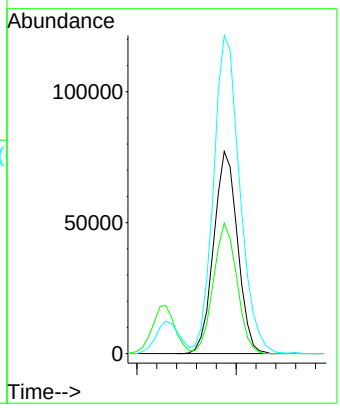
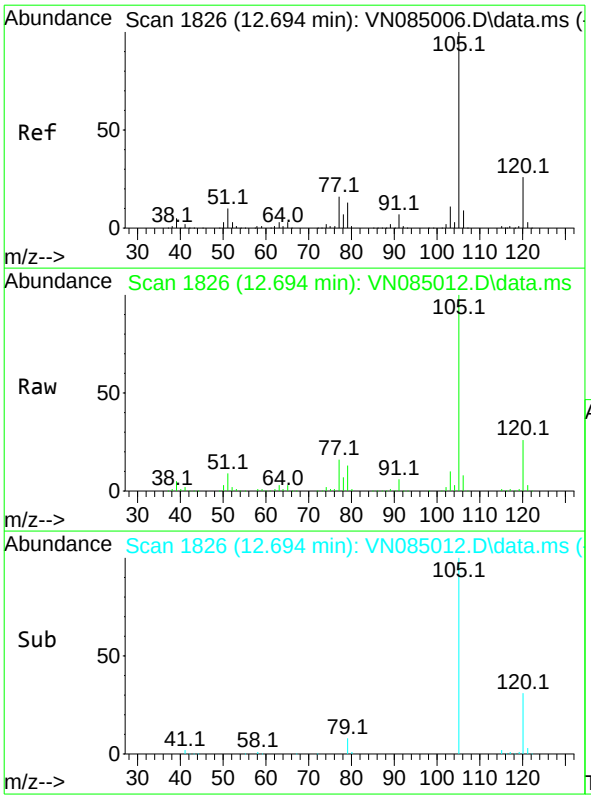


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:152 Resp: 128770

Ion	Ratio	Lower	Upper
152	100		
115	63.6	31.7	95.1
150	173.6	0.0	351.4

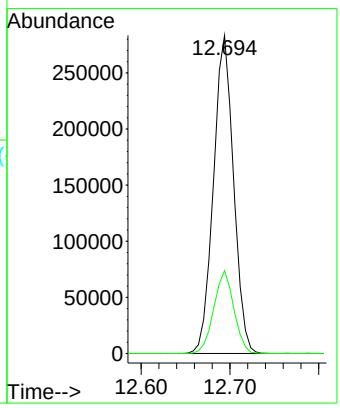




#73
Isopropylbenzene
Concen: 49.014 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:105 Resp: 445261

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	39.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

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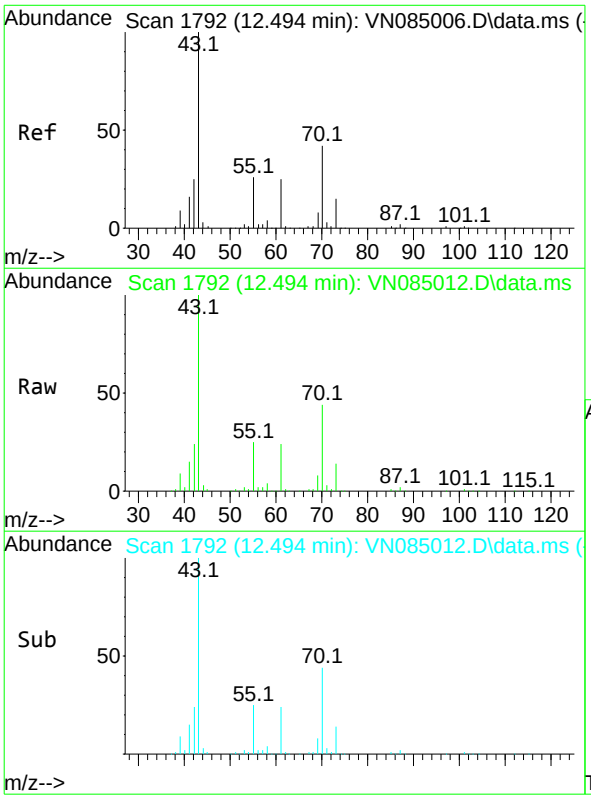
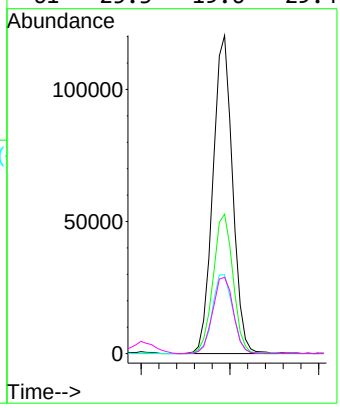
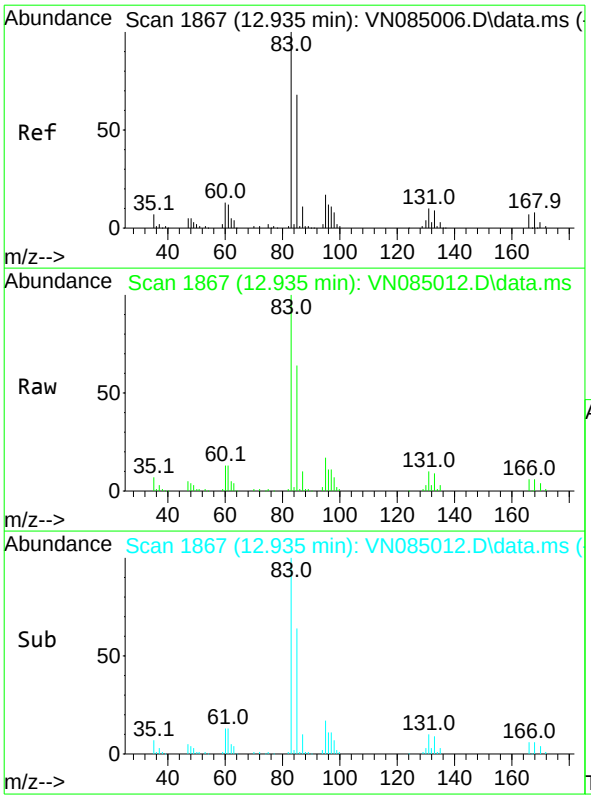


#74
N-amyl acetate
Concen: 49.418 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 43 Resp: 184990

Ion	Ratio	Lower	Upper
43	100		
70	44.4	34.6	51.8
55	25.8	20.5	30.7
61	25.3	19.6	29.4

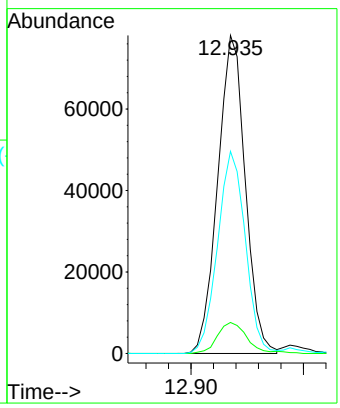




#75
1,1,2,2-Tetrachloroethane
Concen: 42.796 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 83 Resp: 132755

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.4
85	64.0	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
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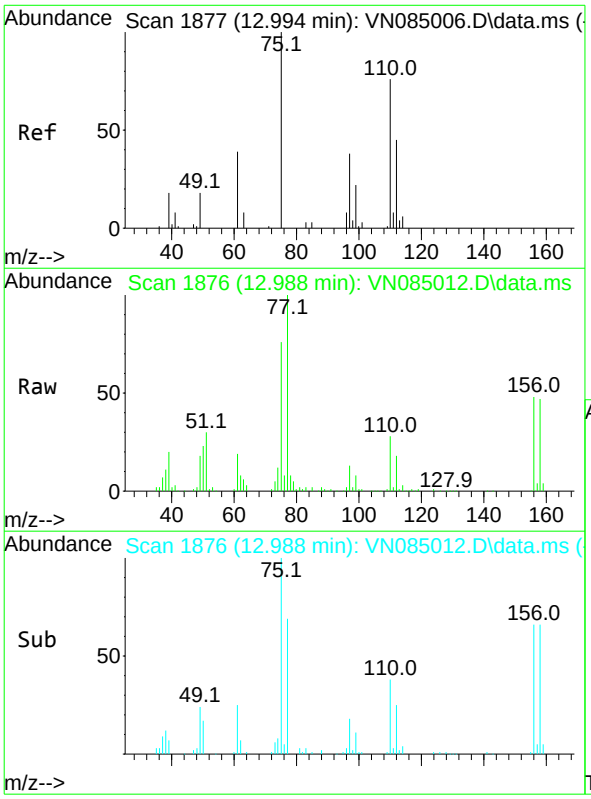
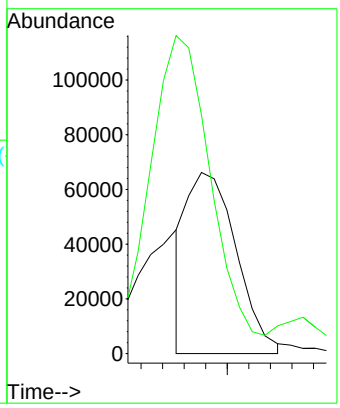
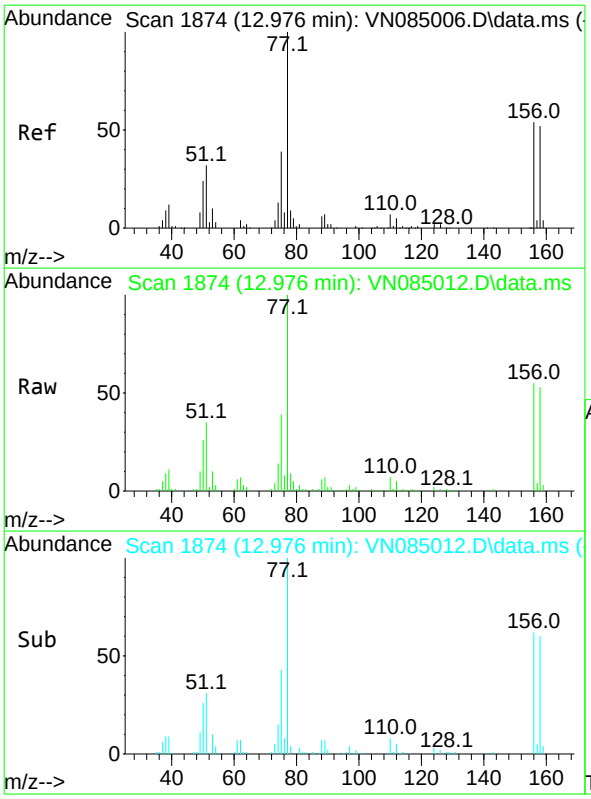


#76
1,2,3-Trichloropropane
Concen: 45.225 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 75 Resp: 105927

Ion	Ratio	Lower	Upper
75	100		
77	221.4	109.1	327.4

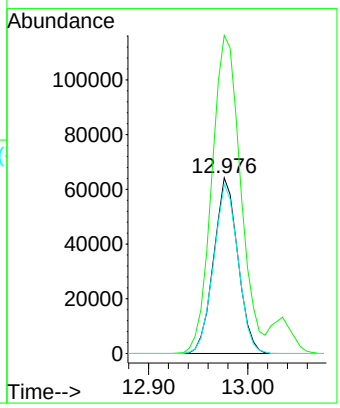




#77
Bromobenzene
Concen: 44.410 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:156 Resp: 108566

Ion	Ratio	Lower	Upper
156	100		
77	216.1	107.2	321.6
158	97.6	48.5	145.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

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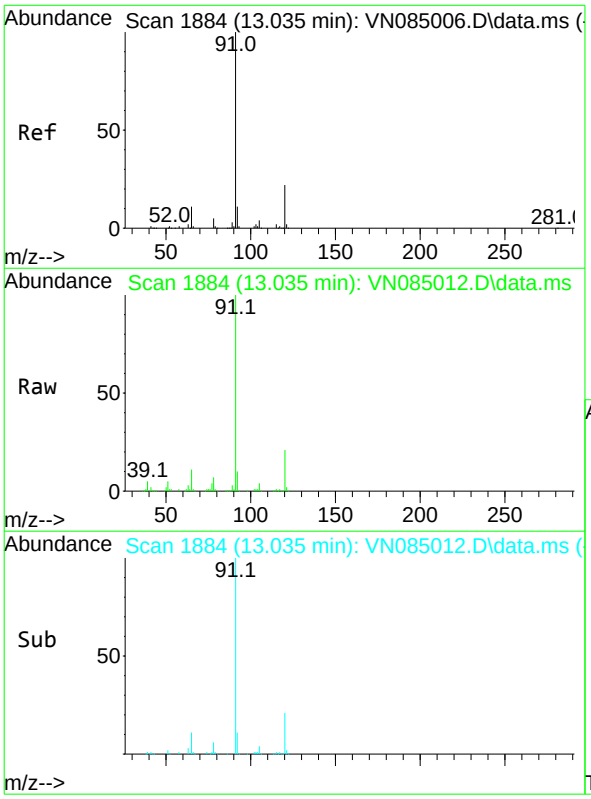
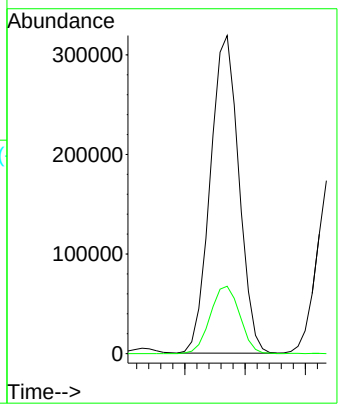
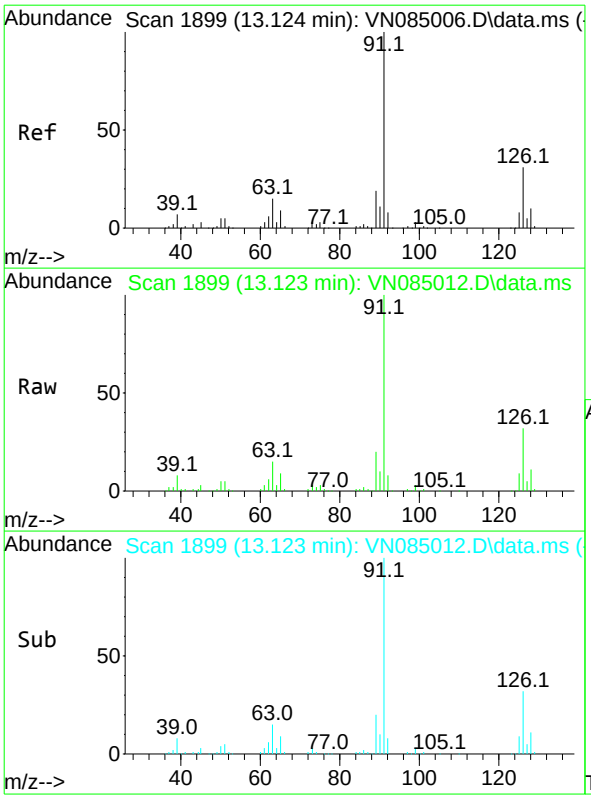


#78
n-propylbenzene
Concen: 50.160 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 91 Resp: 525567

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.3	33.9

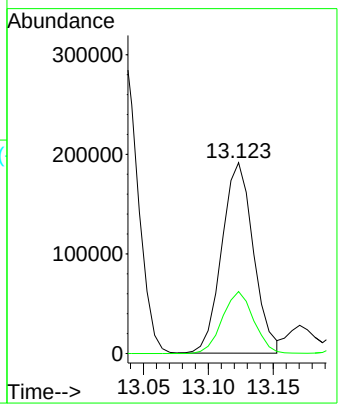




#79
2-Chlorotoluene
Concen: 46.409 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 91 Resp: 324611

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

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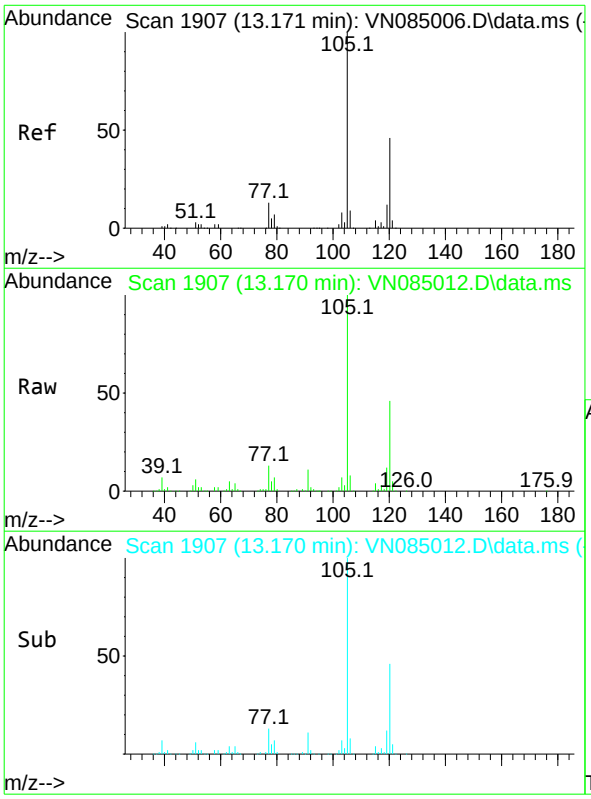
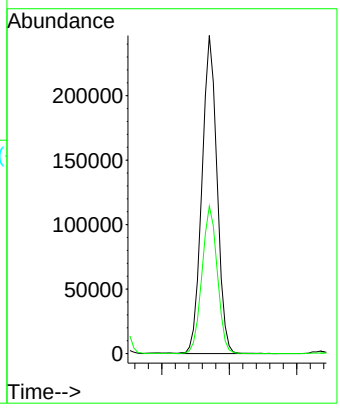
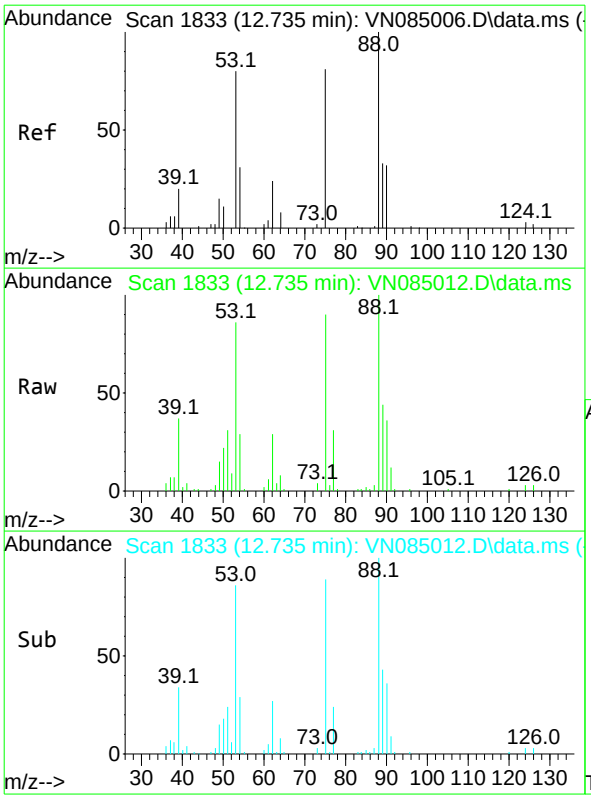


#80
1,3,5-Trimethylbenzene
Concen: 50.220 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:105 Resp: 382819

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.6	71.0

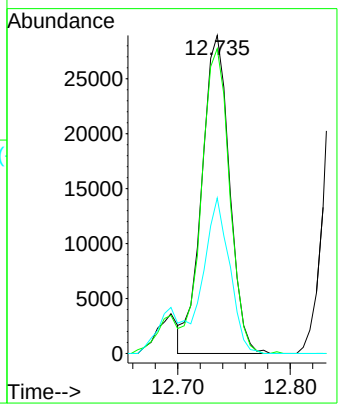




#81
trans-1,4-Dichloro-2-butene
Concen: 46.764 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 75 Resp: 49617

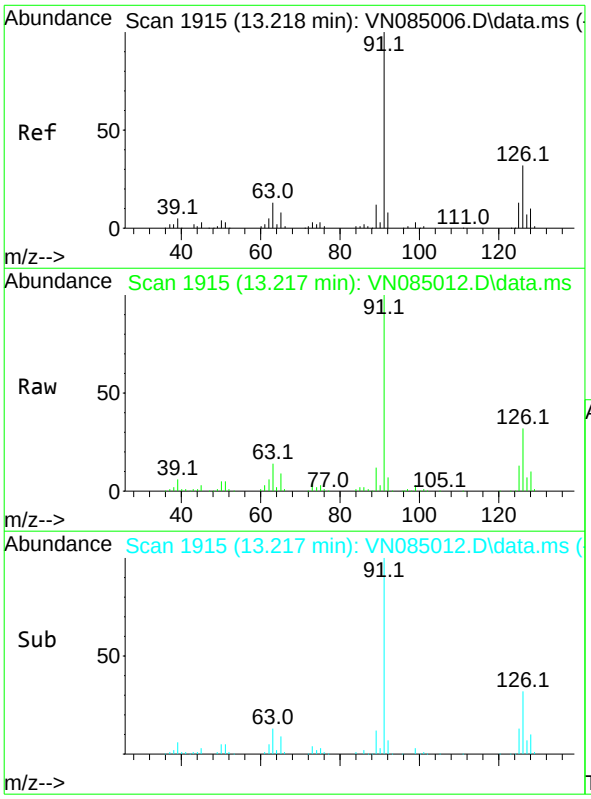
Ion	Ratio	Lower	Upper
75	100		
53	96.8	78.2	117.4
89	44.2	37.9	56.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Manual Integrations APPROVED

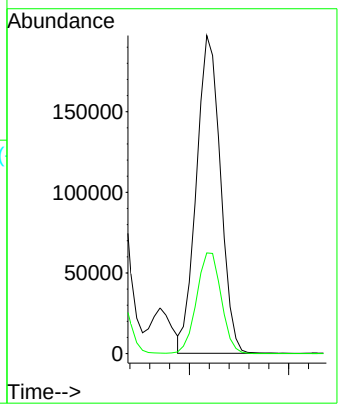
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

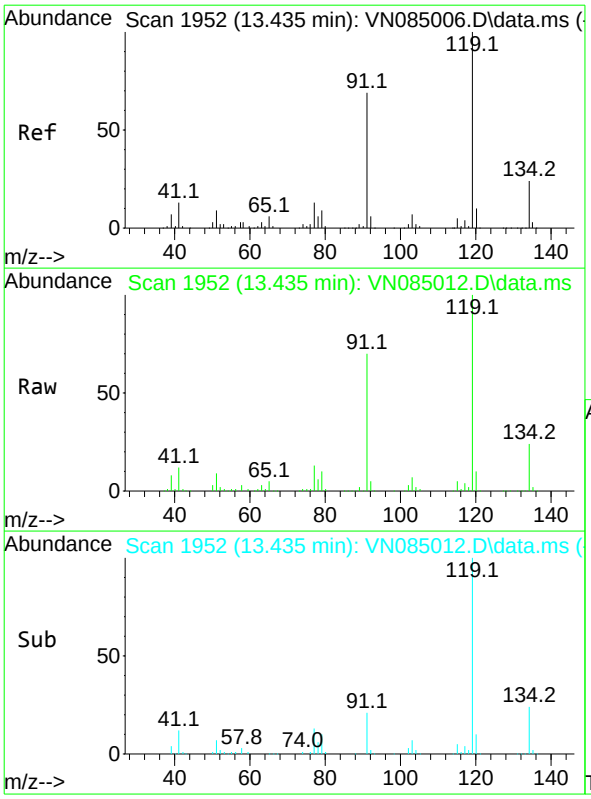


#82
4-Chlorotoluene
Concen: 45.496 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 91 Resp: 331271

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3

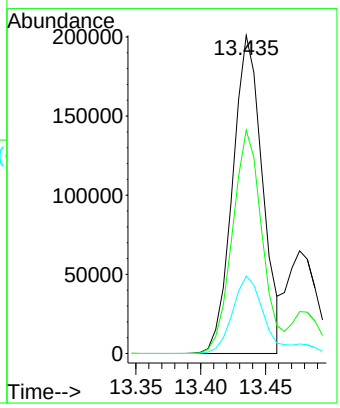




#83
tert-Butylbenzene
Concen: 48.939 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:119 Resp: 320979

Ion	Ratio	Lower	Upper
119	100		
91	70.2	35.1	105.5
134	27.2	12.1	36.3



Instrument :
MSVOA_N
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Manual Integrations APPROVED

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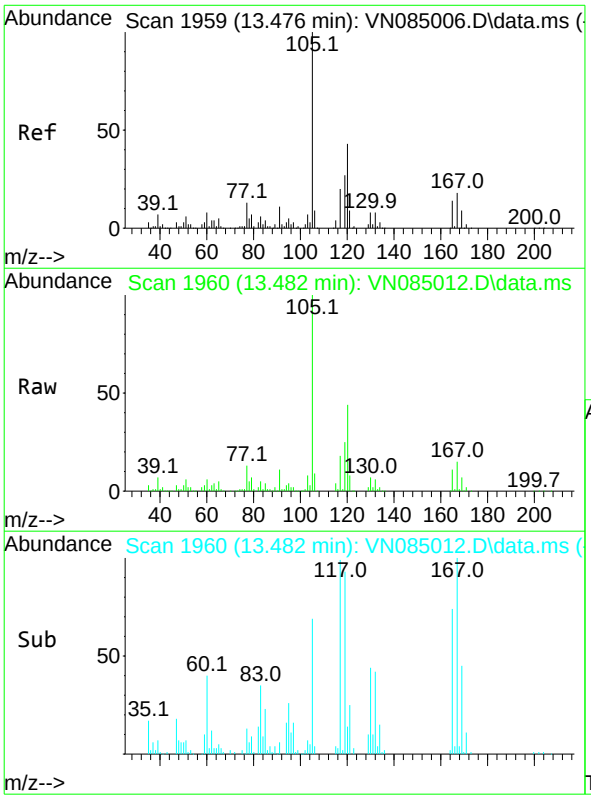
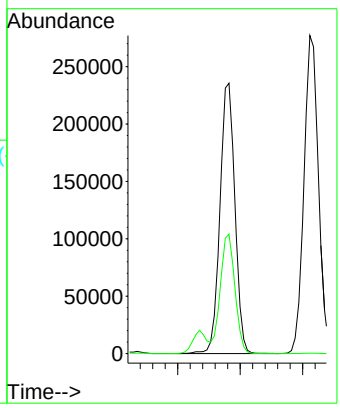
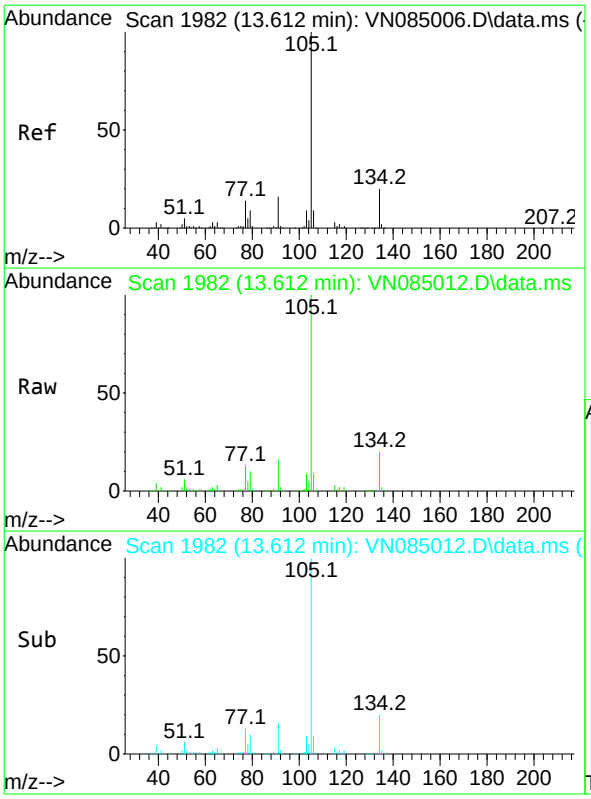


#84
1,2,4-Trimethylbenzene
Concen: 49.962 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:105 Resp: 392031

Ion	Ratio	Lower	Upper
105	100		
120	43.1	21.8	65.4

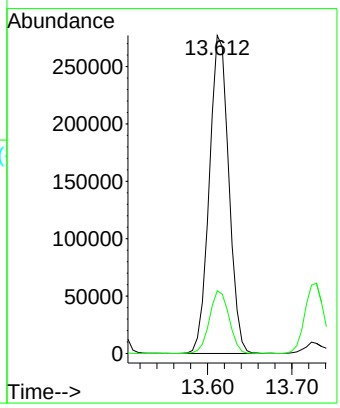




#85
sec-Butylbenzene
Concen: 50.166 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:105 Resp: 444471

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.3



Instrument :
MSVOA_N
ClientSampleId :
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Manual Integrations APPROVED

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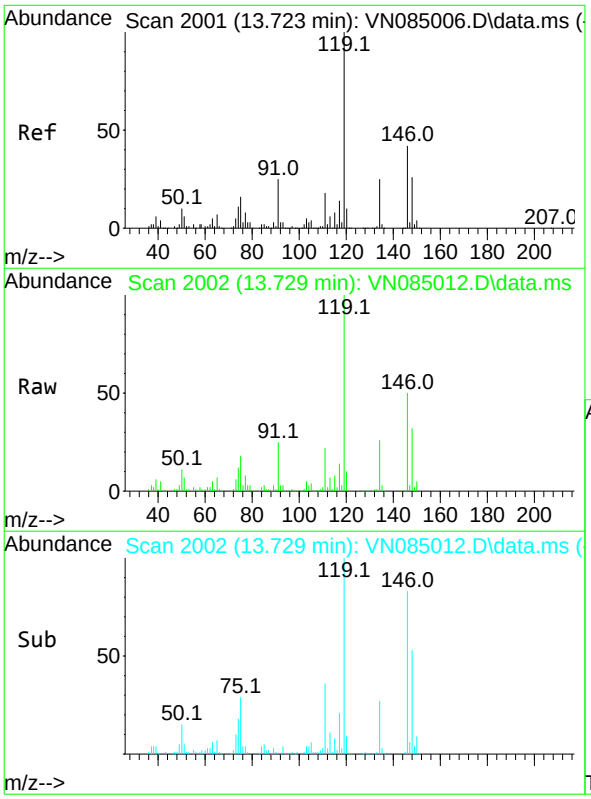
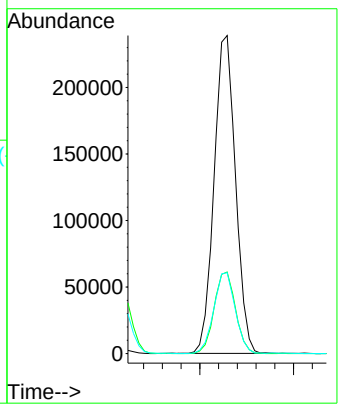
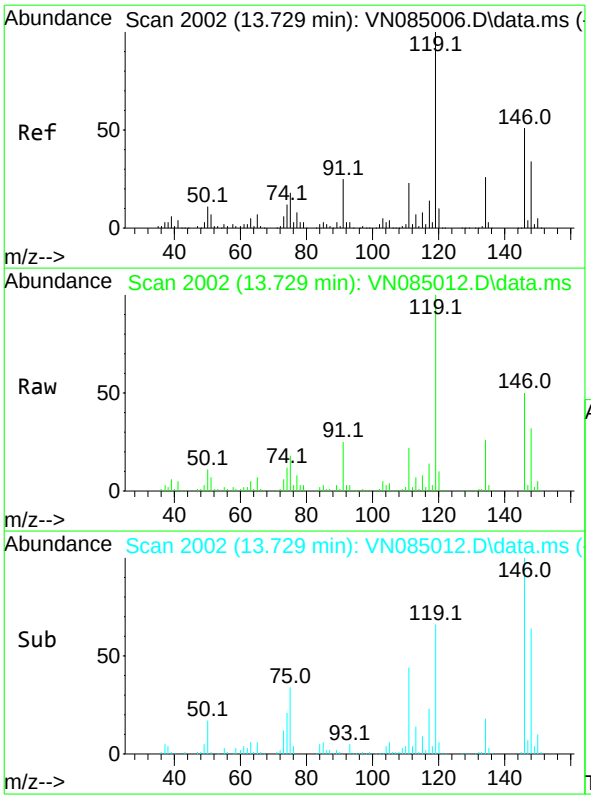


#86
p-Isopropyltoluene
Concen: 51.719 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:119 Resp: 378270

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	39.0
91	25.6	12.8	38.4

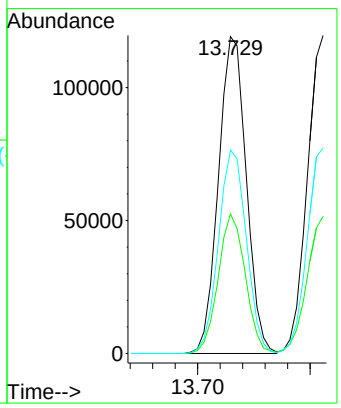




#87
1,3-Dichlorobenzene
Concen: 42.459 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:146 Resp: 204731

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.6	65.0
148	64.4	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

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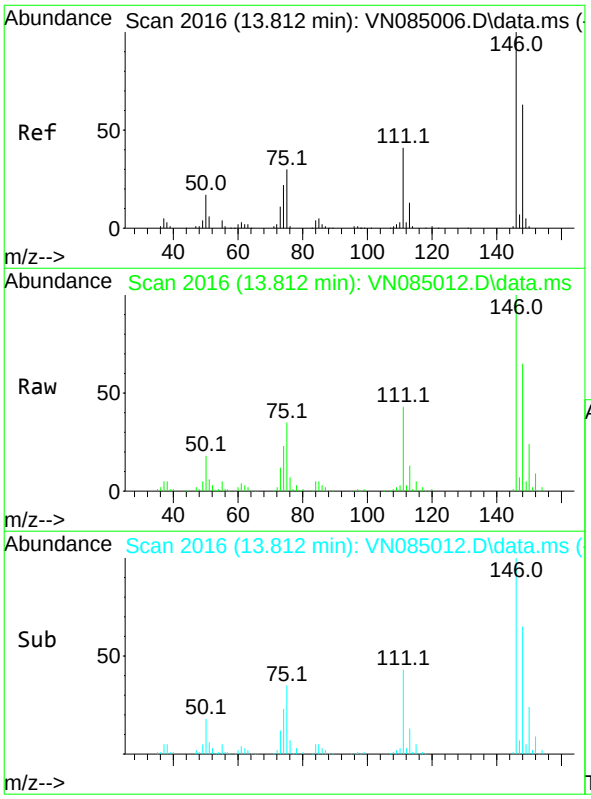
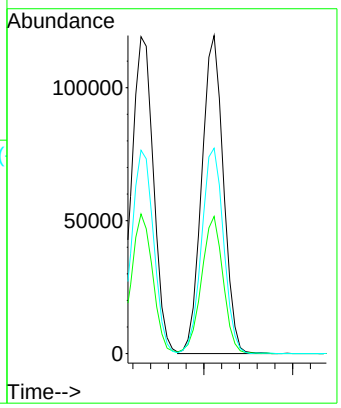
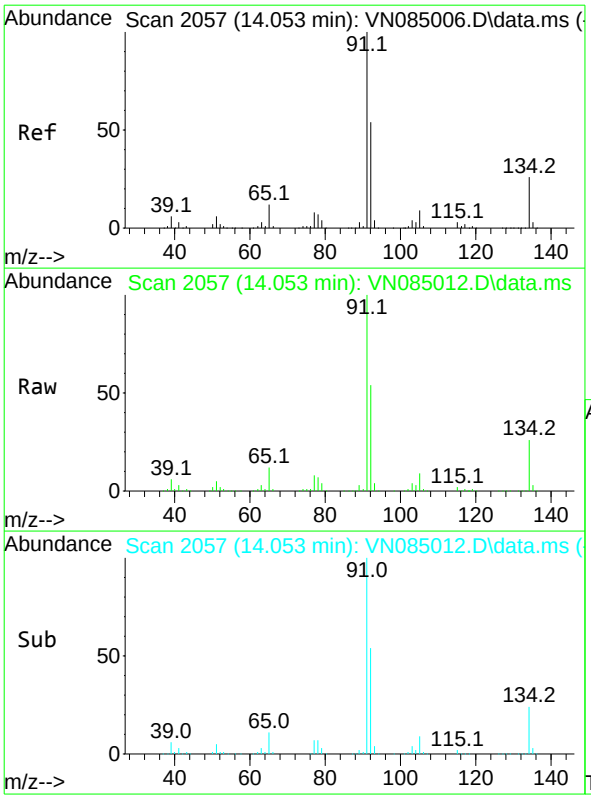


#88
1,4-Dichlorobenzene
Concen: 41.240 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:146 Resp: 202930

Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.9	62.8
148	65.1	31.3	93.9

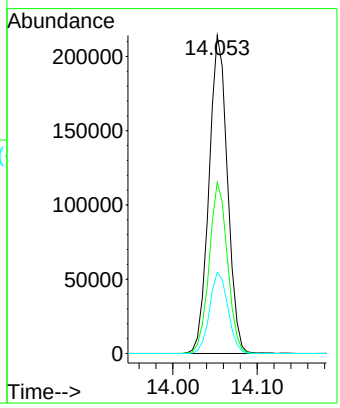




#89
n-Butylbenzene
Concen: 47.892 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 91 Resp: 325752

Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.8	80.3
134	25.4	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

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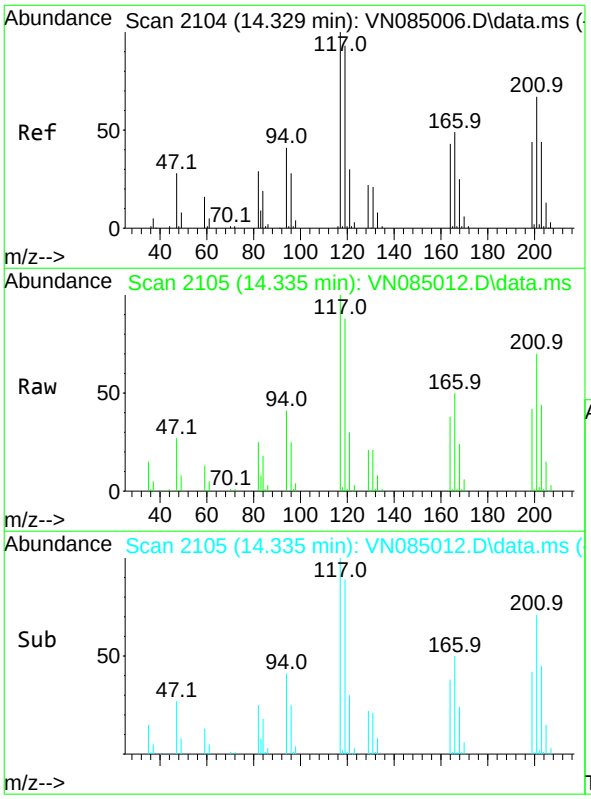
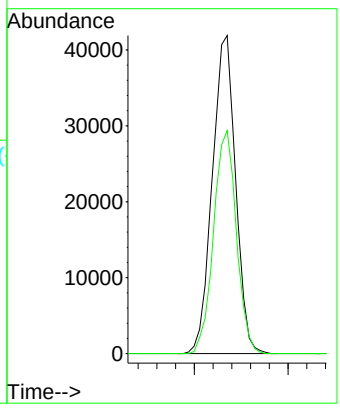
Supervised By :Mahesh Dadoda 11/25/2024

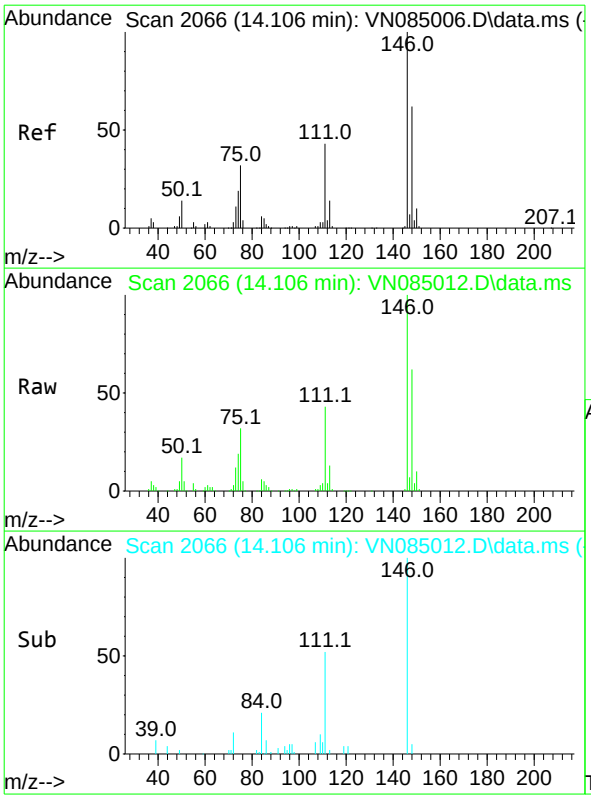


#90
Hexachloroethane
Concen: 45.332 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:117 Resp: 72271

Ion	Ratio	Lower	Upper
117	100		
201	68.7	35.2	105.6

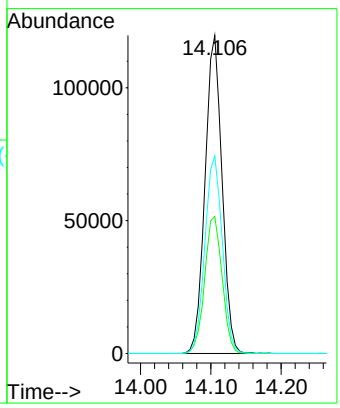




#91
1,2-Dichlorobenzene
Concen: 43.472 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:146 Resp: 200864

Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.9	65.8
148	63.7	31.1	93.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

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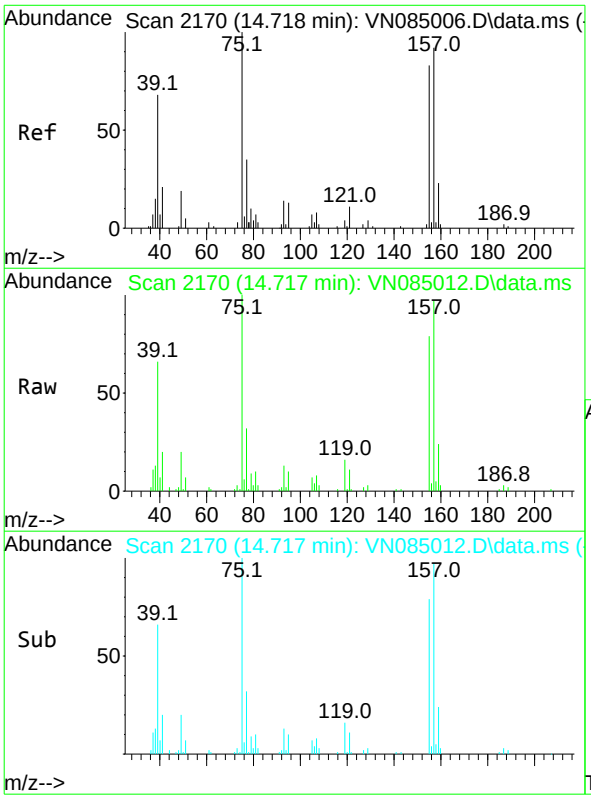
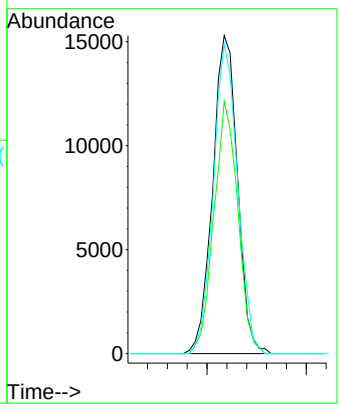
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

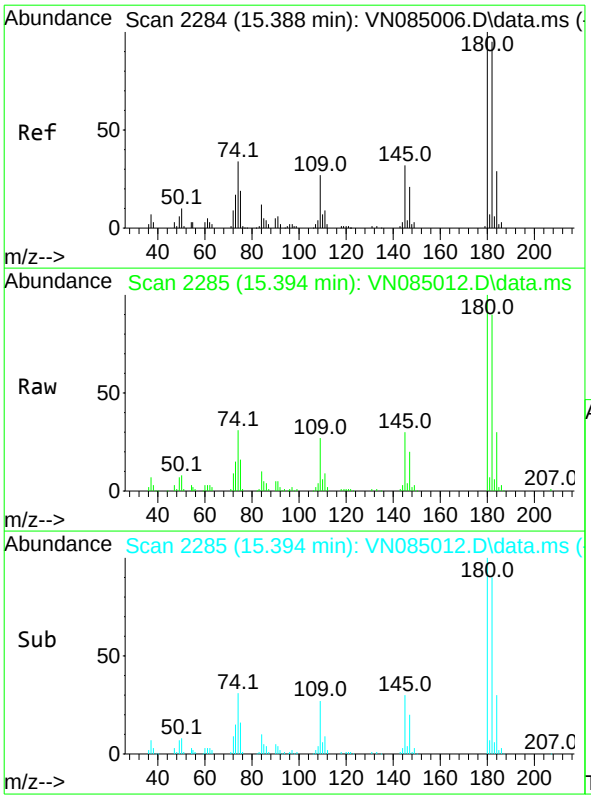


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.183 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 75 Resp: 26503

Ion	Ratio	Lower	Upper
75	100		
155	76.6	38.9	116.7
157	95.3	48.3	144.9

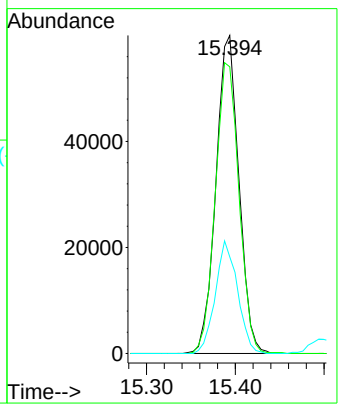




#93
1,2,4-Trichlorobenzene
Concen: 42.908 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:180 Resp: 107707

Ion	Ratio	Lower	Upper
180	100		
182	94.4	46.9	140.8
145	34.3	16.3	48.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

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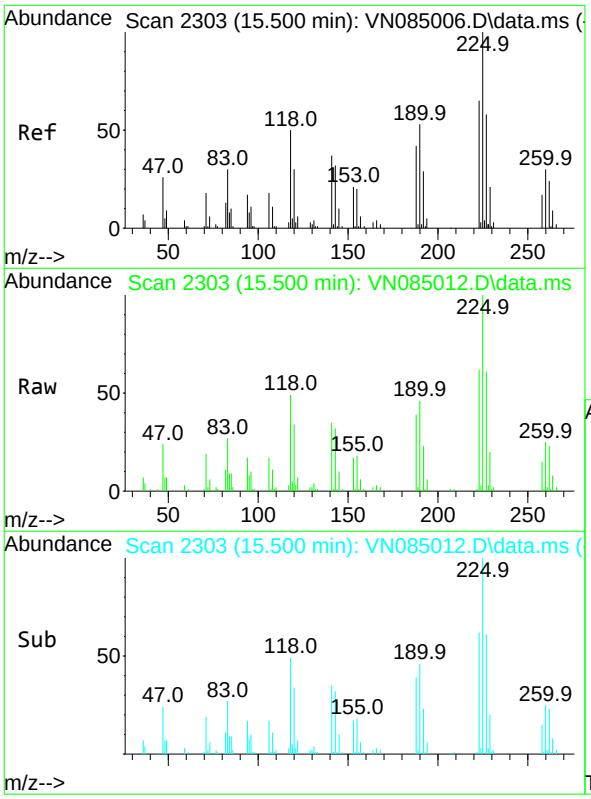
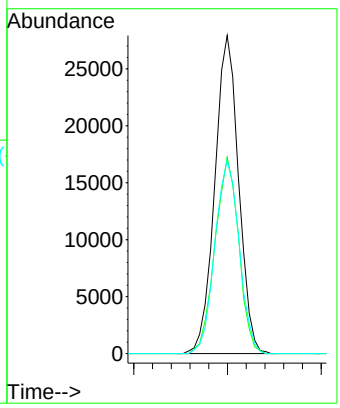
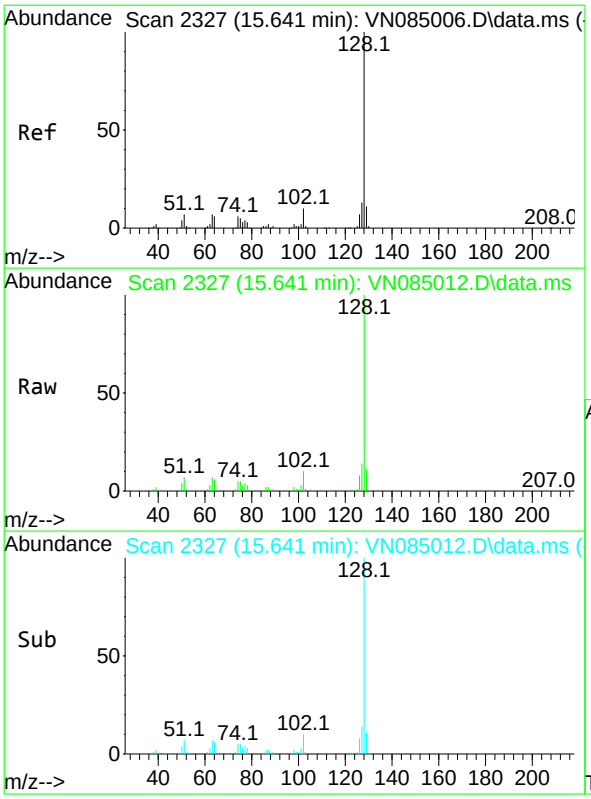


#94
Hexachlorobutadiene
Concen: 42.581 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:225 Resp: 49330

Ion	Ratio	Lower	Upper
225	100		
223	61.4	30.9	92.8
227	61.9	31.5	94.5

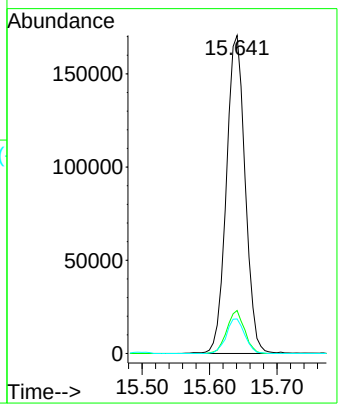




#95
Naphthalene
Concen: 46.067 ug/l
RT: 15.641 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:128 Resp: 329352

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.7	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Manual Integrations APPROVED

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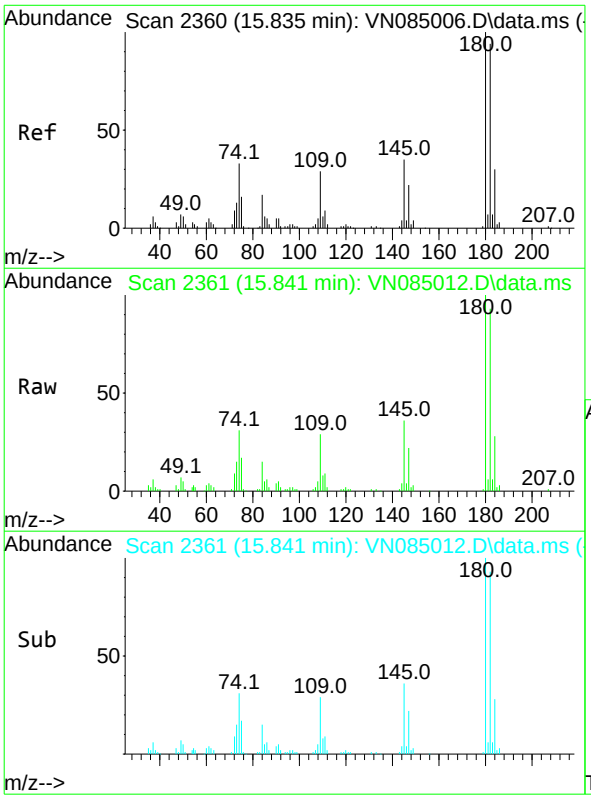
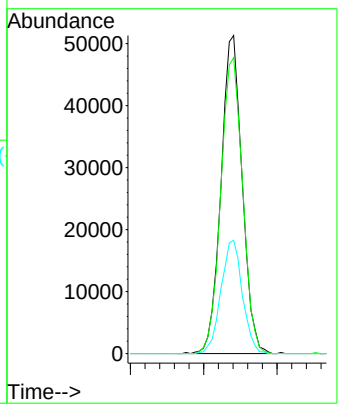


#96
1,2,3-Trichlorobenzene
Concen: 42.932 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:180 Resp: 102829

Ion	Ratio	Lower	Upper
180	100		
182	95.9	46.4	139.2
145	36.1	17.3	52.0



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Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	110	0.00
2	T	Dichlorodifluoromethane	0.565	0.527	6.7	104	0.00
3	P	Chloromethane	0.656	0.553	15.7	103	0.00
4	C	Vinyl Chloride	0.589	0.539	8.5#	103	0.00
5	T	Bromomethane	0.330	0.297	10.0	105	0.00
6	T	Chloroethane	0.397	0.330	16.9	96	0.01
7	T	Trichlorofluoromethane	1.002	0.921	8.1	105	0.02
8	T	Diethyl Ether	0.341	0.327	4.1	103	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.569	0.520	8.6	104	0.00
10	T	Methyl Iodide	0.753	0.708	6.0	105	0.00
11	T	Tert butyl alcohol	0.095	0.083	12.6	101	0.00
12	CM	1,1-Dichloroethene	0.531	0.495	6.8#	104	0.01
13	T	Acrolein	0.064	0.065	-1.6	103	0.00
14	T	Allyl chloride	0.895	0.844	5.7	105	0.00
15	T	Acrylonitrile	0.269	0.250	7.1	105	0.00
16	T	Acetone	0.207	0.210	-1.4	114	0.00
17	T	Carbon Disulfide	1.566	1.358	13.3	102	0.00
18	T	Methyl Acetate	0.804	0.618	23.1	104	0.00
19	T	Methyl tert-butyl Ether	1.734	1.685	2.8	105	0.00
20	T	Methylene Chloride	0.633	0.545	13.9	102	0.00
21	T	trans-1,2-Dichloroethene	0.558	0.512	8.2	101	0.00
22	T	Diisopropyl ether	1.801	1.703	5.4	106	0.00
23	T	Vinyl Acetate	1.242	1.230	1.0	105	0.00
24	P	1,1-Dichloroethane	1.078	0.984	8.7	103	0.00
25	T	2-Butanone	0.339	0.327	3.5	109	0.00
26	T	2,2-Dichloropropane	1.006	0.933	7.3	104	0.00
27	T	cis-1,2-Dichloroethene	0.673	0.614	8.8	103	0.00
28	T	Bromochloromethane	0.407	0.374	8.1	104	0.00
29	T	Tetrahydrofuran	0.211	0.204	3.3	105	0.00
30	C	Chloroform	1.146	1.046	8.7#	105	0.00
31	T	Cyclohexane	0.949	0.874	7.9	109	0.00
32	T	1,1,1-Trichloroethane	1.036	0.947	8.6	103	0.00
33	S	1,2-Dichloroethane-d4	0.712	0.720	-1.1	113	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	108	0.00
35	S	Dibromofluoromethane	0.337	0.348	-3.3	111	0.00
36	T	1,1-Dichloropropene	0.457	0.439	3.9	104	0.00
37	T	Ethyl Acetate	0.415	0.387	6.7	104	0.00
38	T	Carbon Tetrachloride	0.527	0.515	2.3	104	0.00
39	T	Methylcyclohexane	0.475	0.495	-4.2	106	0.00
40	TM	Benzene	1.444	1.377	4.6	105	0.00
41	T	Methacrylonitrile	0.230	0.227	1.3	106	0.00
42	TM	1,2-Dichloroethane	0.494	0.465	5.9	105	0.00
43	T	Isopropyl Acetate	0.862	0.717	16.8	103	0.00
44	TM	Trichloroethene	0.336	0.317	5.7	105	0.00
45	C	1,2-Dichloropropane	0.356	0.335	5.9#	104	0.00
46	T	Dibromomethane	0.247	0.237	4.0	105	0.00
47	T	Bromodichloromethane	0.524	0.499	4.8	103	0.00
48	T	Methyl methacrylate	0.321	0.327	-1.9	108	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.005	16.7	98	0.00
50	S	Toluene-d8	1.208	1.293	-7.0	112	0.00
51	T	4-Methyl-2-Pentanone	0.394	0.397	-0.8	106	0.00
52	CM	Toluene	0.855	0.850	0.6#	104	0.00
53	T	t-1,3-Dichloropropene	0.525	0.514	2.1	101	0.00
54	T	cis-1,3-Dichloropropene	0.557	0.558	-0.2	105	0.00
55	T	1,1,2-Trichloroethane	0.319	0.314	1.6	106	0.00
56	T	Ethyl methacrylate	0.465	0.509	-9.5	106	0.00
57	T	1,3-Dichloropropane	0.561	0.538	4.1	104	0.00
58	T	2-Chloroethyl Vinyl ether	0.228	0.215	5.7	86	0.00
59	T	2-Hexanone	0.295	0.303	-2.7	105	0.00
60	T	Dibromochloromethane	0.389	0.371	4.6	104	0.00
61	T	1,2-Dibromoethane	0.330	0.322	2.4	106	0.00
62	S	4-Bromofluorobenzene	0.452	0.482	-6.6	111	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	109	0.00
64	T	Tetrachloroethene	0.337	0.326	3.3	109	0.00
65	PM	Chlorobenzene	1.134	1.042	8.1	105	0.00
66	T	1,1,1,2-Tetrachloroethane	0.399	0.375	6.0	103	0.00
67	C	Ethyl Benzene	1.840	1.878	-2.1#	106	0.00
68	T	m/p-Xylenes	0.700	0.714	-2.0	106	0.00
69	T	o-Xylene	0.666	0.681	-2.3	105	0.00
70	T	Styrene	1.108	1.168	-5.4	107	0.00
71	P	Bromoform	0.296	0.288	2.7	102	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	112	0.00
73	T	Isopropylbenzene	3.527	3.458	2.0	107	0.00
74	T	N-amyl acetate	1.454	1.437	1.2	104	0.00
75	P	1,1,2,2-Tetrachloroethane	1.204	1.031	14.4	105	0.00
76	T	1,2,3-Trichloropropane	0.909	0.823	9.5	103	0.00
77	T	Bromobenzene	0.949	0.843	11.2	103	0.00
78	T	n-propylbenzene	4.068	4.081	-0.3	108	0.00
79	T	2-Chlorotoluene	2.716	2.521	7.2	106	0.00
80	T	1,3,5-Trimethylbenzene	2.960	2.973	-0.4	106	0.00
81	T	trans-1,4-Dichloro-2-butene	0.412	0.385	6.6	106	0.00
82	T	4-Chlorotoluene	2.827	2.573	9.0	104	0.00
83	T	tert-Butylbenzene	2.547	2.493	2.1	107	0.00
84	T	1,2,4-Trimethylbenzene	3.047	3.044	0.1	106	0.00
85	T	sec-Butylbenzene	3.440	3.452	-0.3	106	0.00
86	T	p-Isopropyltoluene	2.840	2.938	-3.5	107	0.00
87	T	1,3-Dichlorobenzene	1.872	1.590	15.1	104	0.00
88	T	1,4-Dichlorobenzene	1.911	1.576	17.5	101	0.00
89	T	n-Butylbenzene	2.641	2.530	4.2	107	0.00
90	T	Hexachloroethane	0.619	0.561	9.4	104	0.00
91	T	1,2-Dichlorobenzene	1.794	1.560	13.0	104	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.206	11.6	106	0.00
93	T	1,2,4-Trichlorobenzene	0.975	0.836	14.3	104	0.00
94	T	Hexachlorobutadiene	0.450	0.383	14.9	107	0.00
95	T	Naphthalene	2.776	2.558	7.9	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.930	0.799	14.1	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	110	0.00
2	T	Dichlorodifluoromethane	50.000	46.612	6.8	104	0.00
3	P	Chloromethane	50.000	42.164	15.7	103	0.00
4	C	Vinyl Chloride	50.000	45.721	8.6#	103	0.00
5	T	Bromomethane	50.000	44.945	10.1	105	0.00
6	T	Chloroethane	50.000	41.527	16.9	96	0.01
7	T	Trichlorofluoromethane	50.000	45.916	8.2	105	0.02
8	T	Diethyl Ether	50.000	47.942	4.1	103	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	45.709	8.6	104	0.00
10	T	Methyl Iodide	50.000	47.063	5.9	105	0.00
11	T	Tert butyl alcohol	250.000	216.857	13.3	101	0.00
12	CM	1,1-Dichloroethene	50.000	46.677	6.6#	104	0.01
13	T	Acrolein	250.000	256.710	-2.7	103	0.00
14	T	Allyl chloride	50.000	47.178	5.6	105	0.00
15	T	Acrylonitrile	250.000	232.029	7.2	105	0.00
16	T	Acetone	250.000	252.665	-1.1	114	0.00
17	T	Carbon Disulfide	50.000	43.362	13.3	102	0.00
18	T	Methyl Acetate	50.000	46.500	7.0	104	0.00
19	T	Methyl tert-butyl Ether	50.000	48.602	2.8	105	0.00
20	T	Methylene Chloride	50.000	43.090	13.8	102	0.00
21	T	trans-1,2-Dichloroethene	50.000	45.805	8.4	101	0.00
22	T	Diisopropyl ether	50.000	47.281	5.4	106	0.00
23	T	Vinyl Acetate	250.000	247.560	1.0	105	0.00
24	P	1,1-Dichloroethane	50.000	45.647	8.7	103	0.00
25	T	2-Butanone	250.000	240.802	3.7	109	0.00
26	T	2,2-Dichloropropane	50.000	46.349	7.3	104	0.00
27	T	cis-1,2-Dichloroethene	50.000	45.609	8.8	103	0.00
28	T	Bromochloromethane	50.000	45.913	8.2	104	0.00
29	T	Tetrahydrofuran	250.000	241.241	3.5	105	0.00
30	C	Chloroform	50.000	45.623	8.8#	105	0.00
31	T	Cyclohexane	50.000	46.084	7.8	109	0.00
32	T	1,1,1-Trichloroethane	50.000	45.714	8.6	103	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.568	-1.1	113	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	108	0.00
35	S	Dibromofluoromethane	50.000	51.572	-3.1	111	0.00
36	T	1,1-Dichloropropene	50.000	48.093	3.8	104	0.00
37	T	Ethyl Acetate	50.000	46.651	6.7	104	0.00
38	T	Carbon Tetrachloride	50.000	48.846	2.3	104	0.00
39	T	Methylcyclohexane	50.000	52.114	-4.2	106	0.00
40	TM	Benzene	50.000	47.675	4.7	105	0.00
41	T	Methacrylonitrile	50.000	49.311	1.4	106	0.00
42	TM	1,2-Dichloroethane	50.000	47.025	6.0	105	0.00
43	T	Isopropyl Acetate	50.000	41.574	16.9	103	0.00
44	TM	Trichloroethene	50.000	47.205	5.6	105	0.00
45	C	1,2-Dichloropropane	50.000	47.073	5.9#	104	0.00
46	T	Dibromomethane	50.000	47.909	4.2	105	0.00
47	T	Bromodichloromethane	50.000	47.631	4.7	103	0.00
48	T	Methyl methacrylate	50.000	50.900	-1.8	108	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	950.585	4.9	98	0.00
50	S	Toluene-d8	50.000	53.488	-7.0	112	0.00
51	T	4-Methyl-2-Pentanone	250.000	251.720	-0.7	106	0.00
52	CM	Toluene	50.000	49.682	0.6#	104	0.00
53	T	t-1,3-Dichloropropene	50.000	48.881	2.2	101	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.100	-0.2	105	0.00
55	T	1,1,2-Trichloroethane	50.000	49.287	1.4	106	0.00
56	T	Ethyl methacrylate	50.000	54.694	-9.4	106	0.00
57	T	1,3-Dichloropropane	50.000	47.980	4.0	104	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	235.323	5.9	86	0.00
59	T	2-Hexanone	250.000	256.983	-2.8	105	0.00
60	T	Dibromochloromethane	50.000	47.650	4.7	104	0.00
61	T	1,2-Dibromoethane	50.000	48.883	2.2	106	0.00
62	S	4-Bromofluorobenzene	50.000	53.276	-6.6	111	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	109	0.00
64	T	Tetrachloroethene	50.000	48.316	3.4	109	0.00
65	PM	Chlorobenzene	50.000	45.936	8.1	105	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	46.991	6.0	103	0.00
67	C	Ethyl Benzene	50.000	51.046	-2.1#	106	0.00
68	T	m/p-Xylenes	100.000	101.951	-2.0	106	0.00
69	T	o-Xylene	50.000	51.086	-2.2	105	0.00
70	T	Styrene	50.000	52.687	-5.4	107	0.00
71	P	Bromoform	50.000	48.617	2.8	102	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	112	0.00
73	T	Isopropylbenzene	50.000	49.014	2.0	107	0.00
74	T	N-amyl acetate	50.000	49.418	1.2	104	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	42.796	14.4	105	0.00
76	T	1,2,3-Trichloropropane	50.000	45.225	9.5	103	0.00
77	T	Bromobenzene	50.000	44.410	11.2	103	0.00
78	T	n-propylbenzene	50.000	50.160	-0.3	108	0.00
79	T	2-Chlorotoluene	50.000	46.409	7.2	106	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.220	-0.4	106	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	46.764	6.5	106	0.00
82	T	4-Chlorotoluene	50.000	45.496	9.0	104	0.00
83	T	tert-Butylbenzene	50.000	48.939	2.1	107	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.962	0.1	106	0.00
85	T	sec-Butylbenzene	50.000	50.166	-0.3	106	0.00
86	T	p-Isopropyltoluene	50.000	51.719	-3.4	107	0.00
87	T	1,3-Dichlorobenzene	50.000	42.459	15.1	104	0.00
88	T	1,4-Dichlorobenzene	50.000	41.240	17.5	101	0.00
89	T	n-Butylbenzene	50.000	47.892	4.2	107	0.00
90	T	Hexachloroethane	50.000	45.332	9.3	104	0.00
91	T	1,2-Dichlorobenzene	50.000	43.472	13.1	104	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	44.183	11.6	106	0.00
93	T	1,2,4-Trichlorobenzene	50.000	42.908	14.2	104	0.00
94	T	Hexachlorobutadiene	50.000	42.581	14.8	107	0.00
95	T	Naphthalene	50.000	46.067	7.9	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	42.932	14.1	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG No.: P4845

Instrument ID: MSVOA_N Calibration Date/Time: 11/17/2024 10:27

Lab File ID: VN084884.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.575	0.582		1.22	20
Chloromethane	0.952	0.716	0.1	-24.79	20
Vinyl Chloride	0.618	0.713		15.37	20
Bromomethane	0.328	0.382		16.46	20
Chloroethane	0.488	0.465		-4.71	20
Trichlorofluoromethane	1.018	1.239		21.71	20
1,1,2-Trichlorotrifluoroethane	0.575	0.629		9.39	20
1,1-Dichloroethene	0.569	0.577		1.41	20
Acetone	0.238	0.207		-13.02	20
Carbon Disulfide	1.753	1.563		-10.84	20
Methyl tert-butyl Ether	1.745	1.939		11.12	20
Methyl Acetate	1.172	0.696		-40.61	20
Methylene Chloride	0.635	0.653		2.84	20
trans-1,2-Dichloroethene	0.585	0.597		2.05	20
1,1-Dichloroethane	1.102	1.155	0.1	4.81	20
Cyclohexane	0.997	0.963		-3.41	20
2-Butanone	0.337	0.347		2.97	20
Carbon Tetrachloride	0.525	0.640		21.91	20
cis-1,2-Dichloroethene	0.683	0.718		5.12	20
Bromochloromethane	0.439	0.430		-2.05	20
Chloroform	1.121	1.236		10.26	20
1,1,1-Trichloroethane	1.021	1.135		11.17	20
Methylcyclohexane	0.478	0.568		18.83	20
Benzene	1.507	1.653		9.69	20
1,2-Dichloroethane	0.488	0.557		14.14	20
Trichloroethene	0.348	0.382		9.77	20
1,2-Dichloropropane	0.354	0.394		11.3	20
Bromodichloromethane	0.526	0.603		14.64	20
4-Methyl-2-Pentanone	0.406	0.460		13.3	20
Toluene	0.882	1.025		16.21	20
t-1,3-Dichloropropene	0.544	0.596		9.56	20
cis-1,3-Dichloropropene	0.576	0.653		13.37	20
1,1,2-Trichloroethane	0.332	0.383		15.36	20
2-Hexanone	0.296	0.352		18.92	20
Dibromochloromethane	0.378	0.461		21.96	20
1,2-Dibromoethane	0.340	0.377		10.88	20
Tetrachloroethene	0.333	0.380		14.11	20
Chlorobenzene	1.119	1.213	0.3	8.4	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG No.: P4845

Instrument ID: MSVOA_N Calibration Date/Time: 11/17/2024 10:27

Lab File ID: VN084884.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.867	2.173		16.39	20
m/p-Xylenes	0.707	0.836		18.25	20
o-Xylene	0.661	0.795		20.27	20
Styrene	1.154	1.353		17.24	20
Bromoform	0.293	0.351	0.1	19.8	20
Isopropylbenzene	3.504	3.859		10.13	20
1,1,2,2-Tetrachloroethane	1.170	1.152	0.3	-1.54	20
1,3-Dichlorobenzene	1.838	1.760		-4.24	20
1,4-Dichlorobenzene	1.937	1.762		-9.03	20
1,2-Dichlorobenzene	1.766	1.748		-1.02	20
1,2-Dibromo-3-Chloropropane	0.237	0.227		-4.22	20
1,2,4-Trichlorobenzene	0.967	0.863		-10.76	20
1,2,3-Trichlorobenzene	0.939	0.878		-6.5	20
1,2-Dichloroethane-d4	0.722	0.711		-1.52	20
Dibromofluoromethane	0.338	0.346		2.37	20
Toluene-d8	1.247	1.275		2.24	20
4-Bromofluorobenzene	0.466	0.493		5.79	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084884.D
Acq On : 17 Nov 2024 10:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 18 00:14:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	147052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	233847	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	206028	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110342	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	104486	49.195	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.380%			
35) Dibromofluoromethane	8.159	113	80892	51.105	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.200%			
50) Toluene-d8	10.565	98	298125	51.130	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.260%			
62) 4-Bromofluorobenzene	12.847	95	115235	52.881	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	85642	50.662	ug/l	97
3) Chloromethane	2.359	50	105273	53.234	ug/l	97
4) Vinyl Chloride	2.512	62	104856	57.670	ug/l	98
5) Bromomethane	2.906	94	56153	58.290	ug/l	98
6) Chloroethane	3.077	64	68316	61.006	ug/l	93
7) Trichlorofluoromethane	3.477	101	182167	60.822	ug/l	99
8) Diethyl Ether	3.953	74	54444	51.530	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.359	101	92456	54.630	ug/l	98
10) Methyl Iodide	4.577	142	124345	54.974	ug/l	98
11) Tert butyl alcohol	5.542	59	65726	234.440	ug/l	98
12) 1,1-Dichloroethene	4.330	96	84784	50.629	ug/l	97
13) Acrolein	4.171	56	63973	228.835	ug/l	99
14) Allyl chloride	5.018	41	131930	48.579	ug/l	94
15) Acrylonitrile	5.712	53	210561	259.437	ug/l	99
16) Acetone	4.424	43	152067	247.834	ug/l	96
17) Carbon Disulfide	4.700	76	229814	44.563	ug/l	99
18) Methyl Acetate	5.018	43	102414	45.324	ug/l	95
19) Methyl tert-butyl Ether	5.789	73	285182	55.561	ug/l	96
20) Methylene Chloride	5.271	84	96094	51.441	ug/l	91
21) trans-1,2-Dichloroethene	5.777	96	87723	51.015	ug/l	94
22) Diisopropyl ether	6.665	45	274151	50.803	ug/l	95
23) Vinyl Acetate	6.594	43	1001662	269.164	ug/l	96
24) 1,1-Dichloroethane	6.559	63	169917	52.446	ug/l	98
25) 2-Butanone	7.477	43	255483	257.834	ug/l	99
26) 2,2-Dichloropropane	7.483	77	161527	57.282	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	105614	52.601	ug/l	95
28) Bromochloromethane	7.806	49	63288	49.031	ug/l	89
29) Tetrahydrofuran	7.836	42	166134	252.727	ug/l	93
30) Chloroform	7.959	83	181740	55.114	ug/l	99
31) Cyclohexane	8.253	56	141656	48.309	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	166907	55.610	ug/l	96
36) 1,1-Dichloropropene	8.365	75	120640	54.955	ug/l	98
37) Ethyl Acetate	7.553	43	106974	53.709	ug/l	98
38) Carbon Tetrachloride	8.359	117	149719	61.018	ug/l	96
39) Methylcyclohexane	9.594	83	132827	59.477	ug/l	95
40) Benzene	8.600	78	386451	54.816	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084884.D
Acq On : 17 Nov 2024 10:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 18 00:14:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	59774	55.808 ug/l	93
42) 1,2-Dichloroethane	8.665	62	130159	57.008 ug/l	100
43) Isopropyl Acetate	8.683	43	199122	54.197 ug/l	97
44) Trichloroethene	9.347	130	89234	54.883 ug/l	96
45) 1,2-Dichloropropane	9.618	63	92152	55.722 ug/l	96
46) Dibromomethane	9.706	93	65896	56.468 ug/l	95
47) Bromodichloromethane	9.882	83	141085	57.355 ug/l #	99
48) Methyl methacrylate	9.677	41	86548	55.834 ug/l	96
49) 1,4-Dioxane	9.694	88	29425	1071.216 ug/l #	81
51) 4-Methyl-2-Pentanone	10.441	43	538388	283.555 ug/l	97
52) Toluene	10.629	92	239806	58.161 ug/l	100
53) t-1,3-Dichloropropene	10.835	75	139427	54.758 ug/l	96
54) cis-1,3-Dichloropropene	10.306	75	152643	56.641 ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	89581	57.678 ug/l	97
56) Ethyl methacrylate	10.871	69	135889	60.488 ug/l	94
57) 1,3-Dichloropropane	11.159	76	150590	56.495 ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	324802	308.972 ug/l	95
59) 2-Hexanone	11.194	43	411111	297.467 ug/l	97
60) Dibromochloromethane	11.353	129	107918	60.967 ug/l	100
61) 1,2-Dibromoethane	11.465	107	88131	55.412 ug/l	99
64) Tetrachloroethene	11.100	164	78342	57.166 ug/l	97
65) Chlorobenzene	11.888	112	249886	54.214 ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	94720	59.081 ug/l	99
67) Ethyl Benzene	11.959	91	447730	58.194 ug/l	100
68) m/p-Xylenes	12.065	106	344419	118.244 ug/l	99
69) o-Xylene	12.394	106	163698	60.076 ug/l	99
70) Styrene	12.406	104	278820	58.658 ug/l	99
71) Bromoform	12.576	173	72226	59.870 ug/l #	97
73) Isopropylbenzene	12.694	105	425803	55.067 ug/l	100
74) N-amyl acetate	12.494	43	161800	49.163 ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.935	83	127059	49.228 ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	107155m	48.581 ug/l	
77) Bromobenzene	12.976	156	105138	50.578 ug/l	94
78) n-propylbenzene	13.029	91	494615	54.586 ug/l	99
79) 2-Chlorotoluene	13.123	91	312472	52.777 ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	375218	58.547 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	45130	48.541 ug/l	96
82) 4-Chlorotoluene	13.218	91	313997	50.394 ug/l	98
83) tert-Butylbenzene	13.435	119	306116	57.713 ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	376891	56.979 ug/l	99
85) sec-Butylbenzene	13.612	105	425039	56.730 ug/l	99
86) p-Isopropyltoluene	13.729	119	364391	59.302 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	194204	47.871 ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	194472	52.363 ug/l	99
89) n-Butylbenzene	14.053	91	296231	51.538 ug/l	99
90) Hexachloroethane	14.329	117	70031	51.106 ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	192828	49.464 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	25094	47.992 ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	95193	44.613 ug/l	98
94) Hexachlorobutadiene	15.500	225	46712	49.852 ug/l	100
95) Naphthalene	15.635	128	296724	46.460 ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	96931	46.798 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084884.D
Acq On : 17 Nov 2024 10:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 18 00:14:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084884.D
Acq On : 17 Nov 2024 10:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
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Quant Time: Nov 18 00:14:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/18/2024
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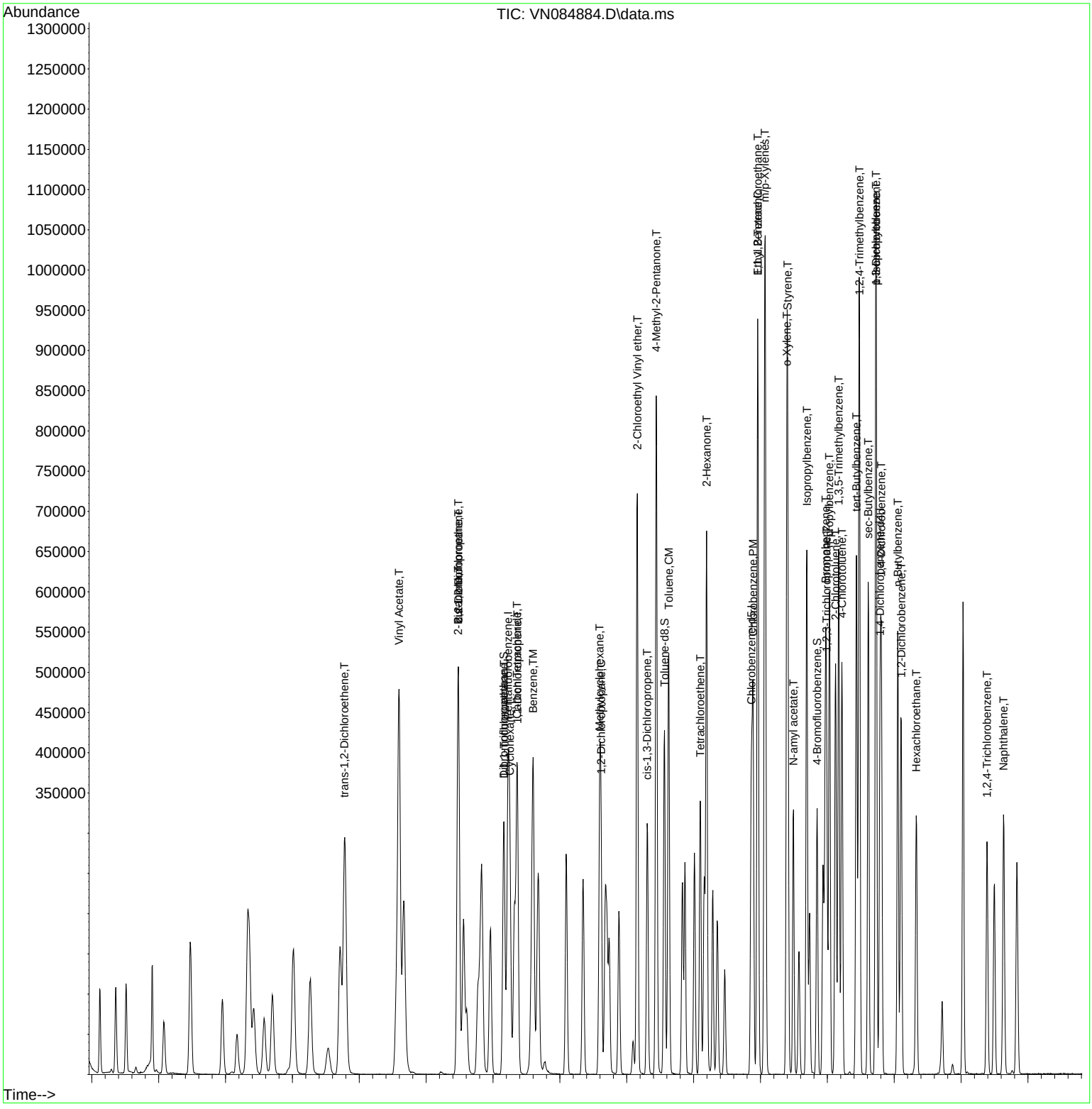
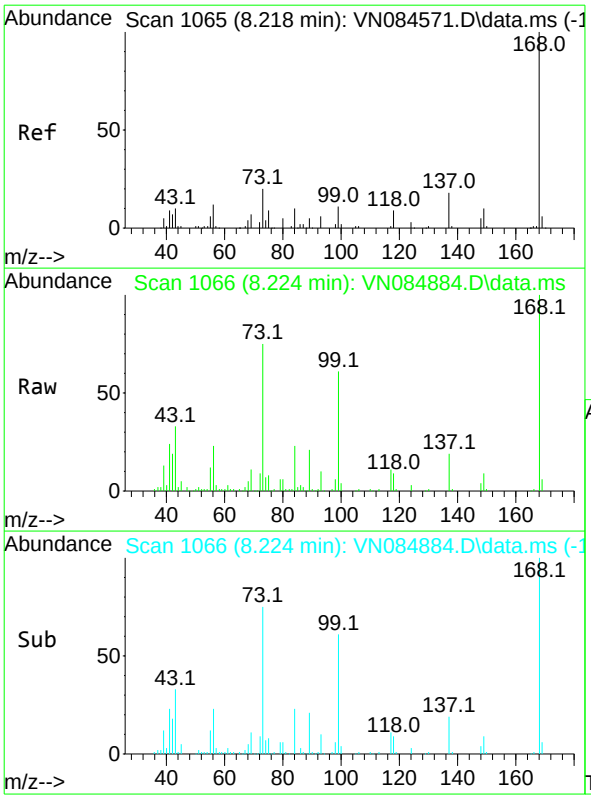
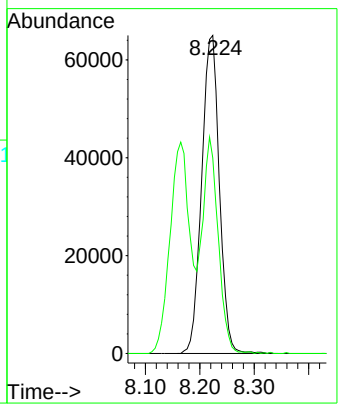




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:168 Resp: 147052

Ion	Ratio	Lower	Upper
168	100		
99	61.5	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/18/2024
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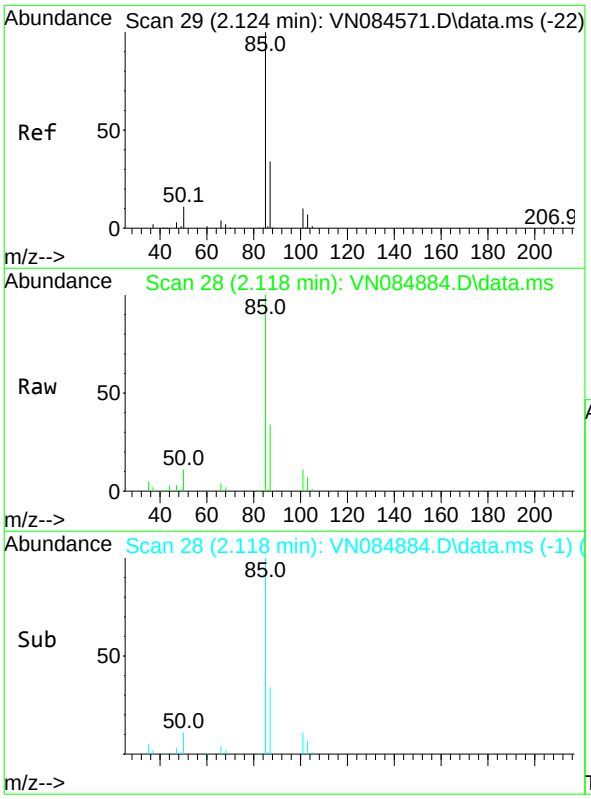
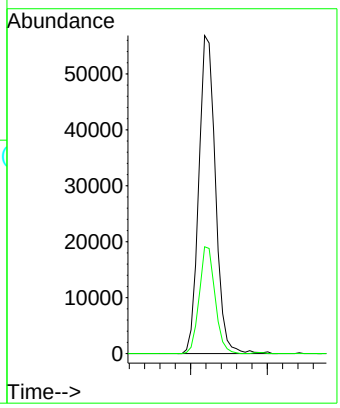
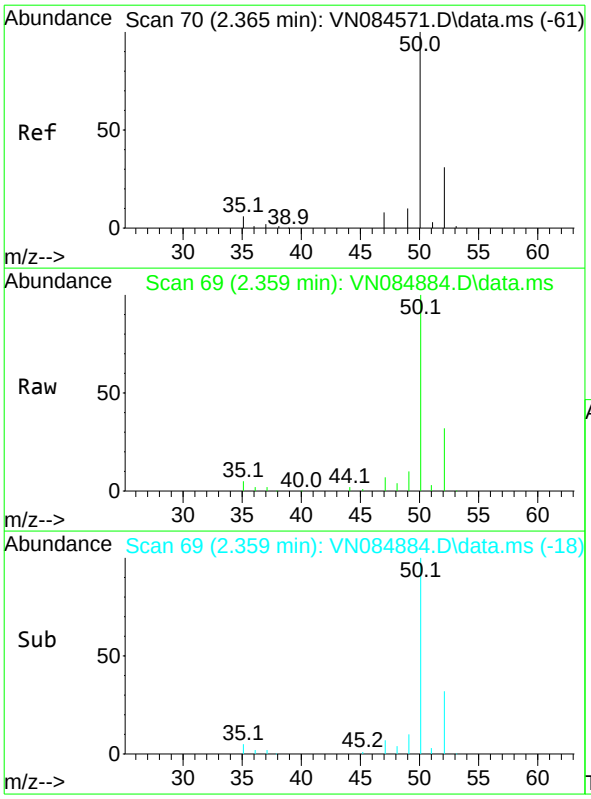


#2
Dichlorodifluoromethane
Concen: 50.662 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 85 Resp: 85642

Ion	Ratio	Lower	Upper
85	100		
87	33.6	17.6	52.9

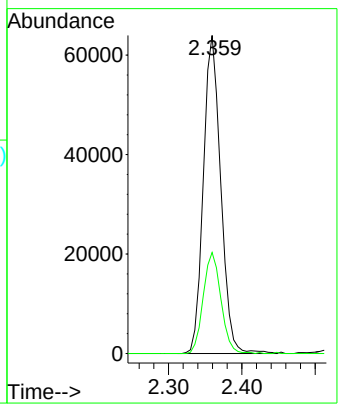




#3
Chloromethane
Concen: 53.234 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 50 Resp: 105273

Ion	Ratio	Lower	Upper
50	100		
52	31.8	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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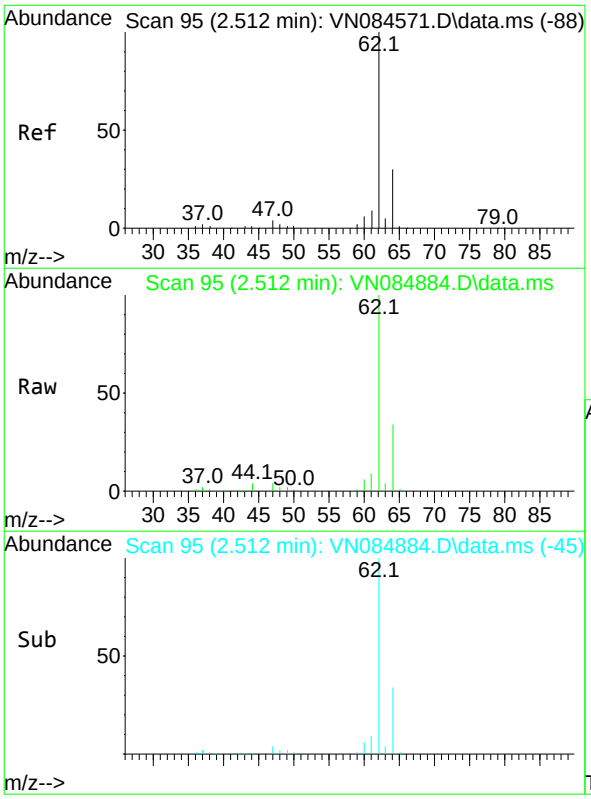
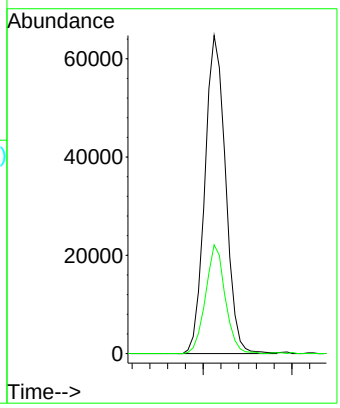
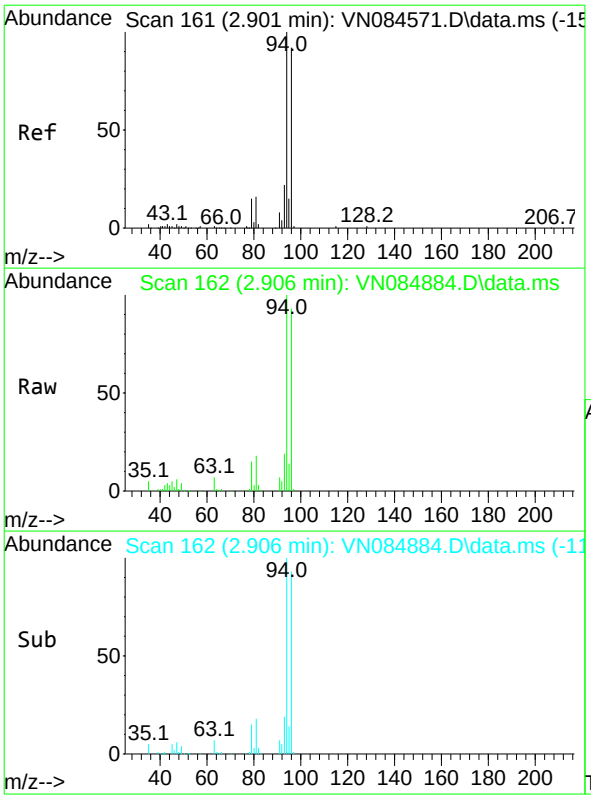


#4
Vinyl Chloride
Concen: 57.670 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 62 Resp: 104856

Ion	Ratio	Lower	Upper
62	100		
64	34.2	26.2	39.4

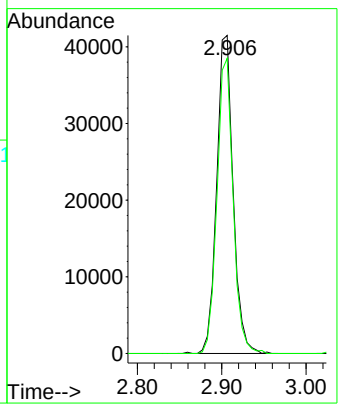




#5
Bromomethane
Concen: 58.290 ug/l
RT: 2.906 min Scan# 16
Delta R.T. -0.047 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 94 Resp: 56153

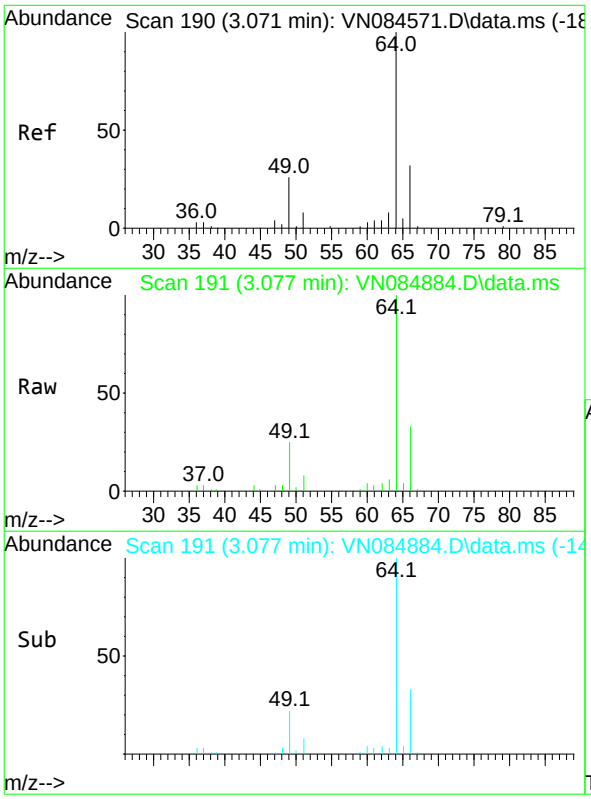
Ion	Ratio	Lower	Upper
94	100		
96	92.8	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

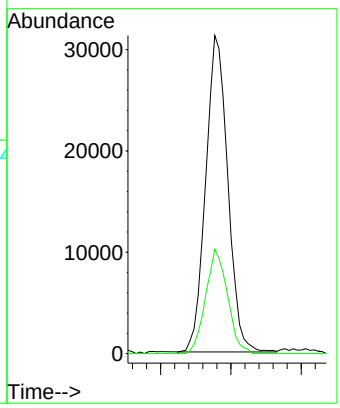
Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

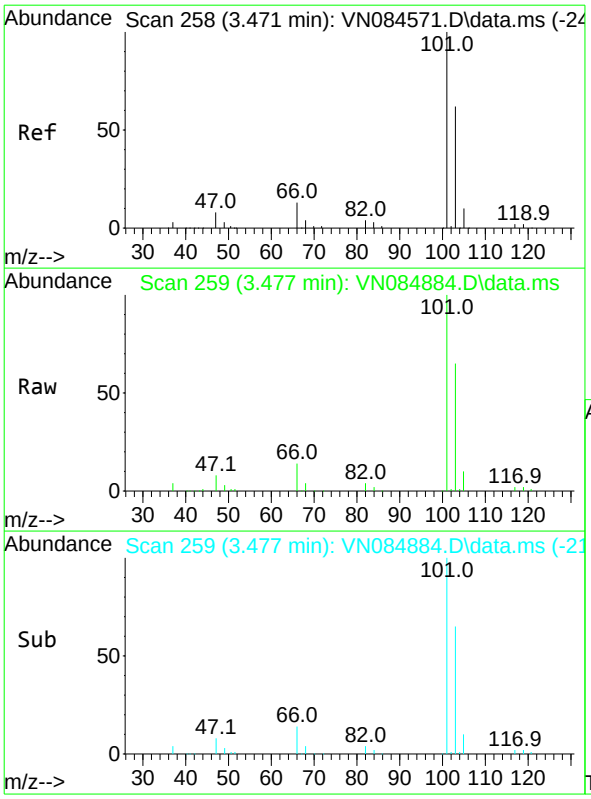


#6
Chloroethane
Concen: 61.006 ug/l
RT: 3.077 min Scan# 191
Delta R.T. -0.041 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 64 Resp: 68316

Ion	Ratio	Lower	Upper
64	100		
66	33.0	23.5	35.3

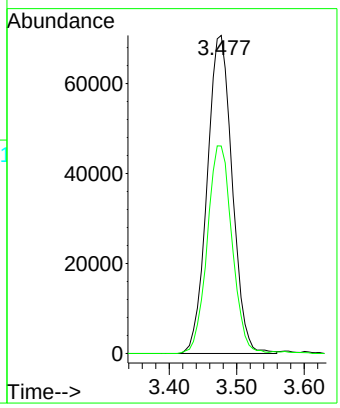




#7
Trichlorofluoromethane
Concen: 60.822 ug/l
RT: 3.477 min Scan# 25
Delta R.T. -0.018 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:101 Resp: 182167

Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/18/2024
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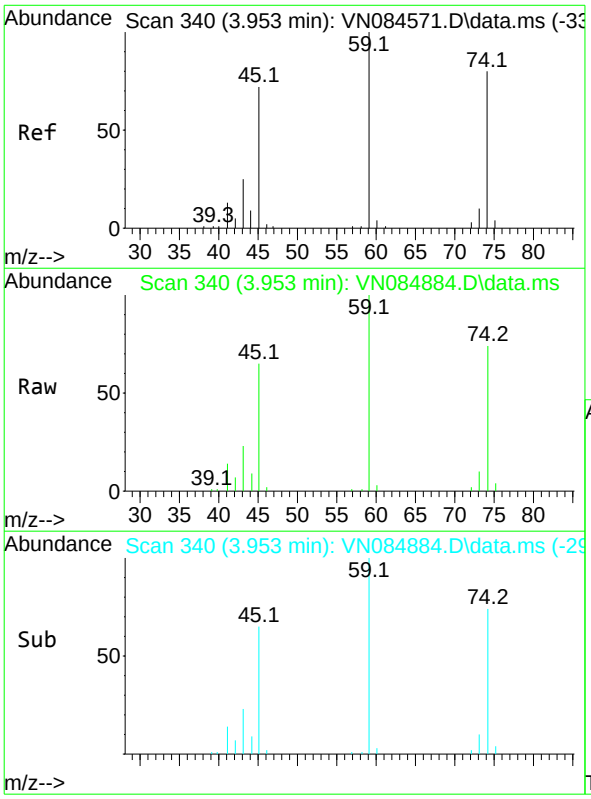
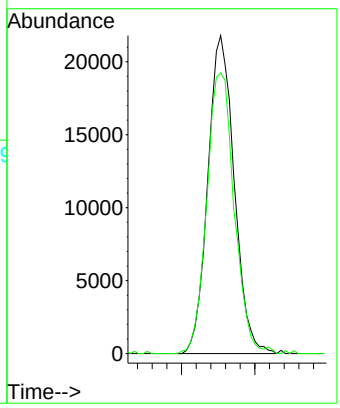
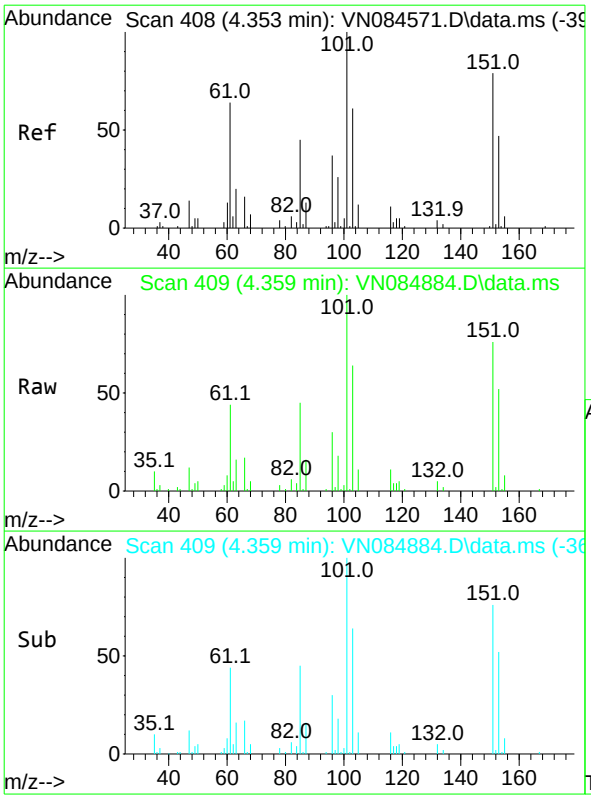


#8
Diethyl Ether
Concen: 51.530 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 74 Resp: 54444

Ion	Ratio	Lower	Upper
74	100		
45	91.9	47.7	143.1

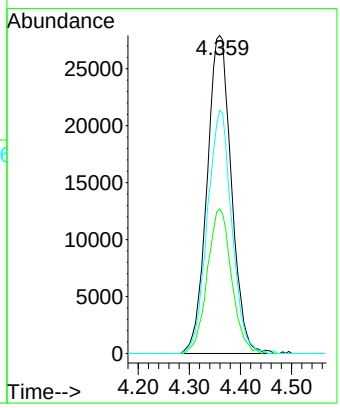




#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.630 ug/l
RT: 4.359 min Scan# 40
Delta R.T. -0.012 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:101 Resp: 92456

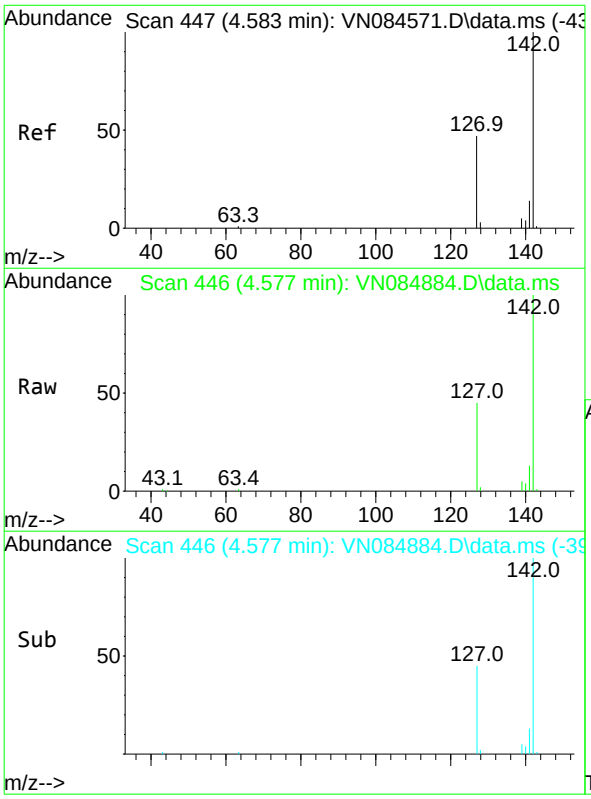
Ion	Ratio	Lower	Upper
101	100		
85	45.2	36.2	54.4
151	76.6	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

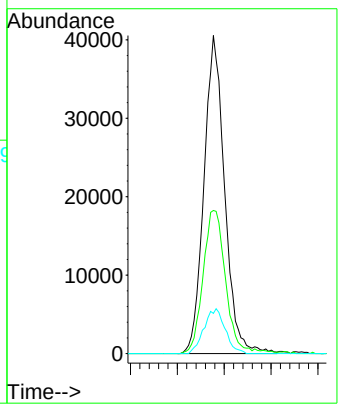
Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

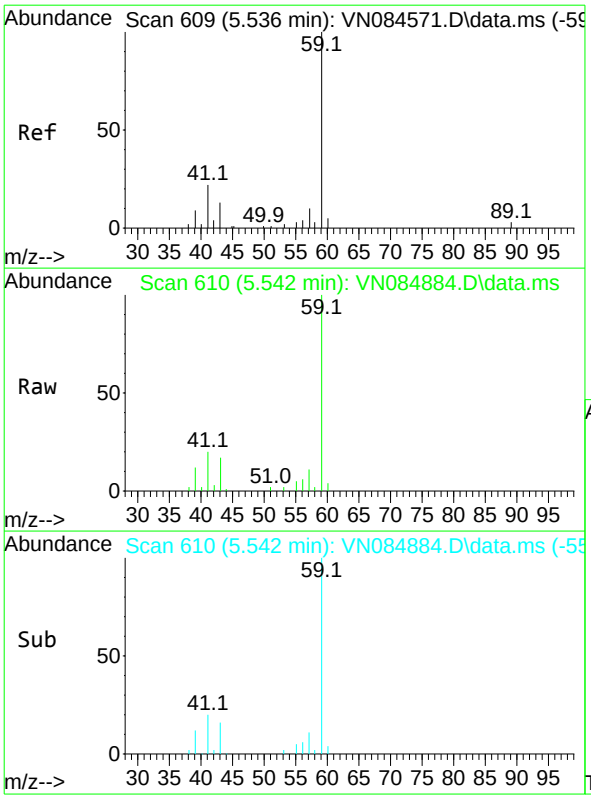


#10
Methyl Iodide
Concen: 54.974 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:142 Resp: 124345

Ion	Ratio	Lower	Upper
142	100		
127	45.0	35.3	52.9
141	12.6	11.0	16.6

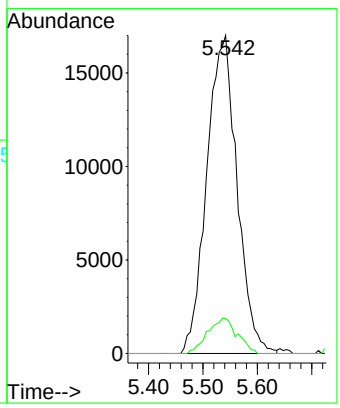




#11
Tert butyl alcohol
Concen: 234.440 ug/l
RT: 5.542 min Scan# 61
Delta R.T. 0.018 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 59 Resp: 65726

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.2	12.2



Instrument :
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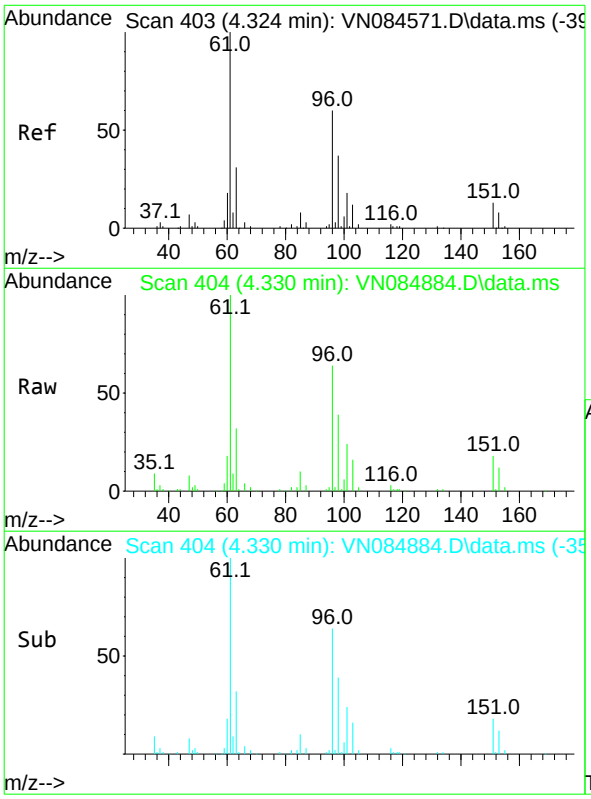
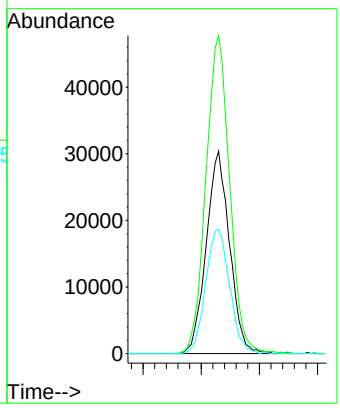
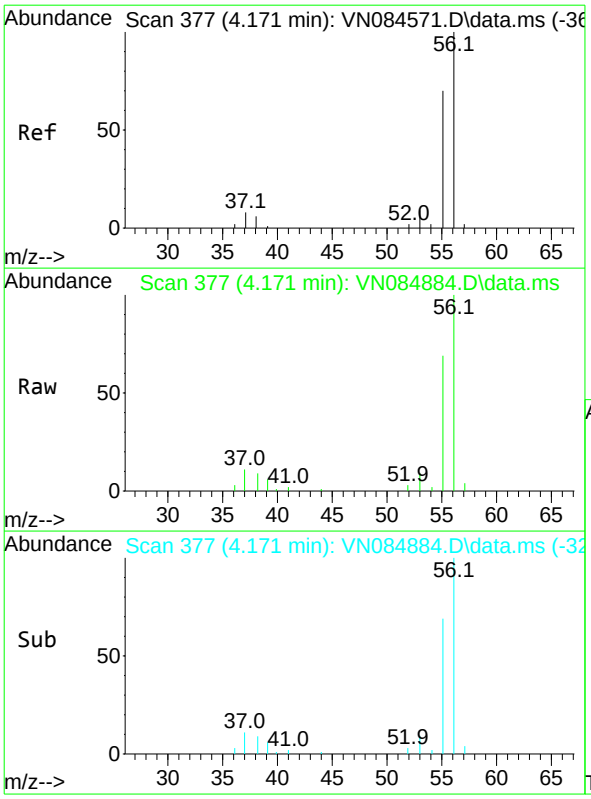


#12
1,1-Dichloroethene
Concen: 50.629 ug/l
RT: 4.330 min Scan# 404
Delta R.T. -0.012 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 96 Resp: 84784

Ion	Ratio	Lower	Upper
96	100		
61	157.2	128.6	192.8
98	61.3	51.7	77.5

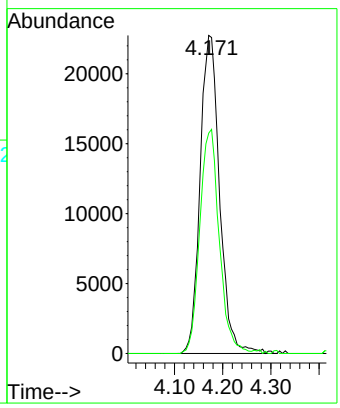




#13
Acrolein
Concen: 228.835 ug/l
RT: 4.171 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 56 Resp: 63973

Ion	Ratio	Lower	Upper
56	100		
55	70.4	57.2	85.8



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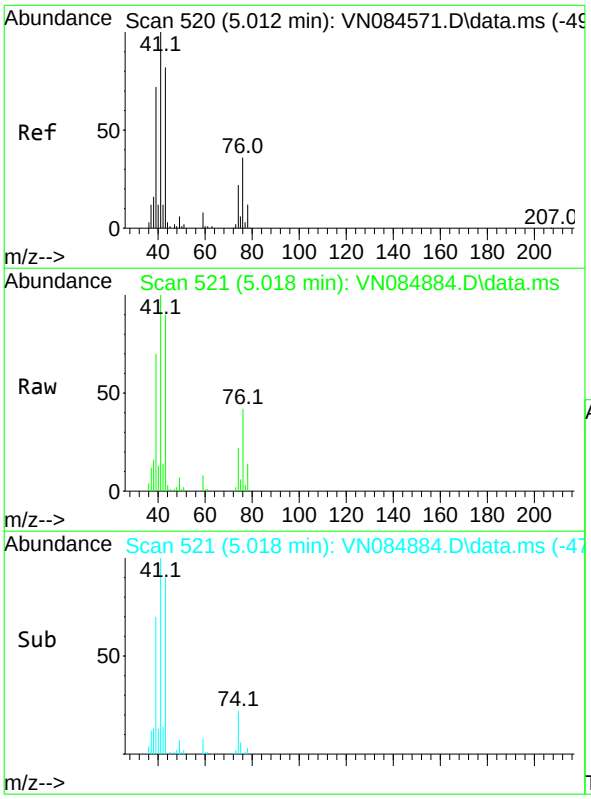
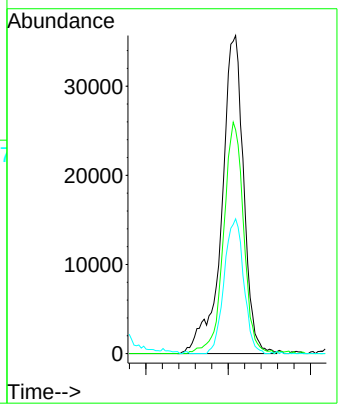
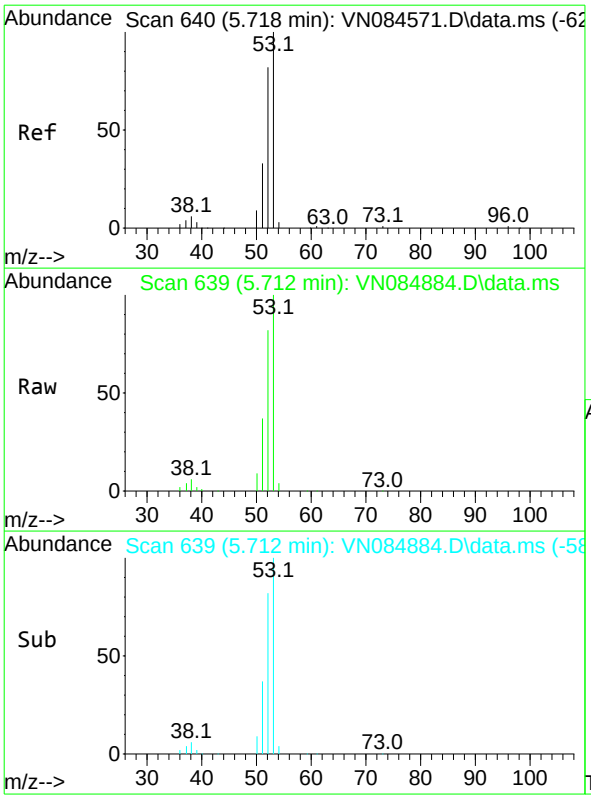


#14
Allyl chloride
Concen: 48.579 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 41 Resp: 131930

Ion	Ratio	Lower	Upper
41	100		
39	66.5	59.0	88.6
76	37.7	29.8	44.6

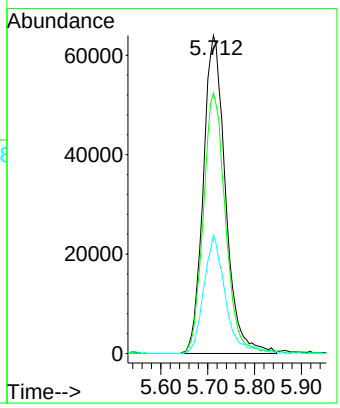




#15
Acrylonitrile
Concen: 259.437 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 53 Resp: 210561

Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.2	99.4
51	34.8	28.8	43.2



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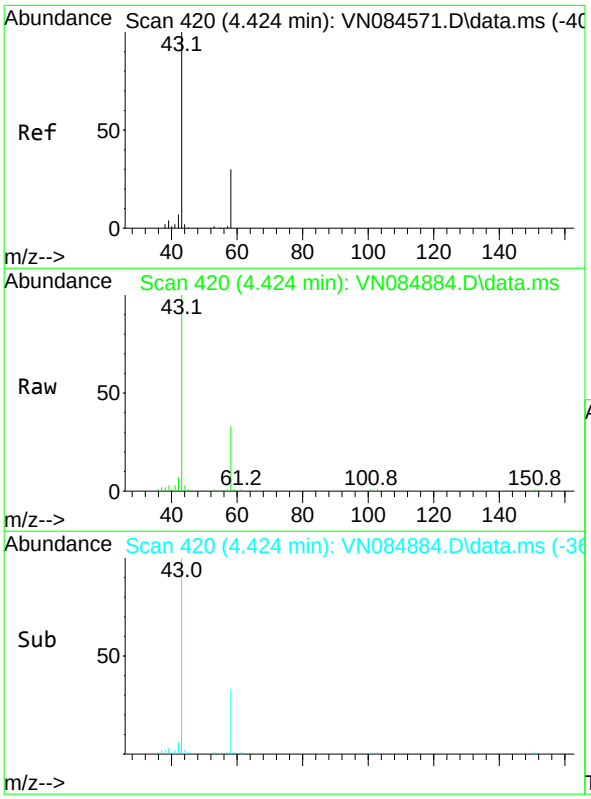
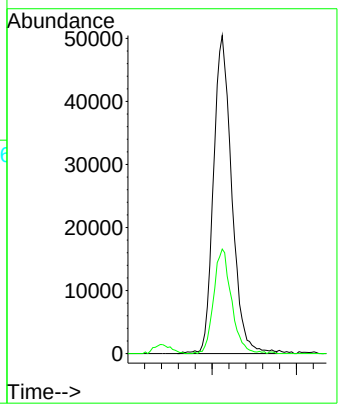
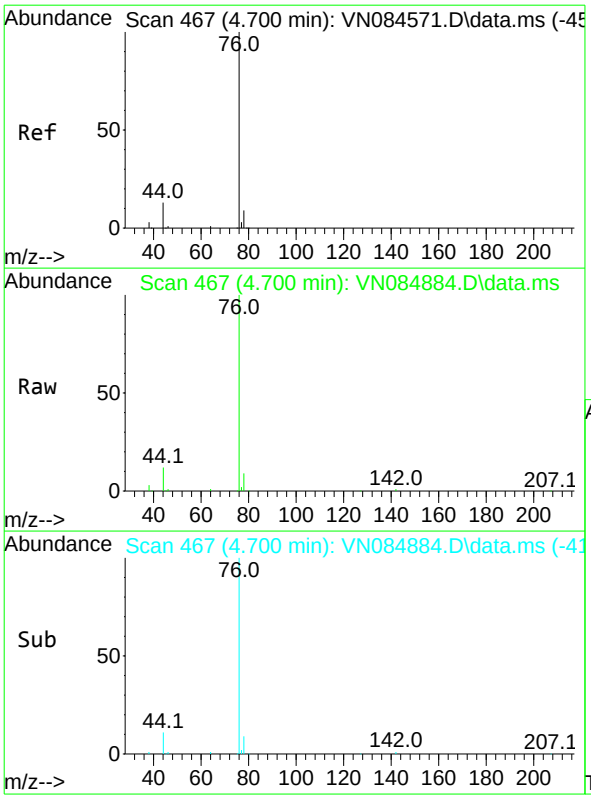


#16
Acetone
Concen: 247.834 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 43 Resp: 152067

Ion	Ratio	Lower	Upper
43	100		
58	32.9	24.4	36.6

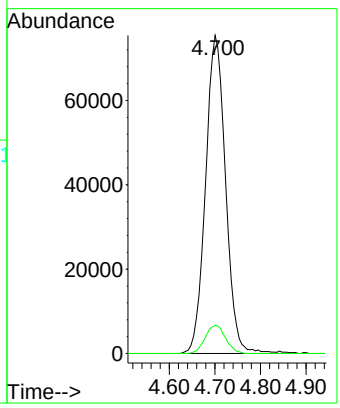




#17
Carbon Disulfide
Concen: 44.563 ug/l
RT: 4.700 min Scan# 46
Delta R.T. -0.012 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 76 Resp: 229814

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9



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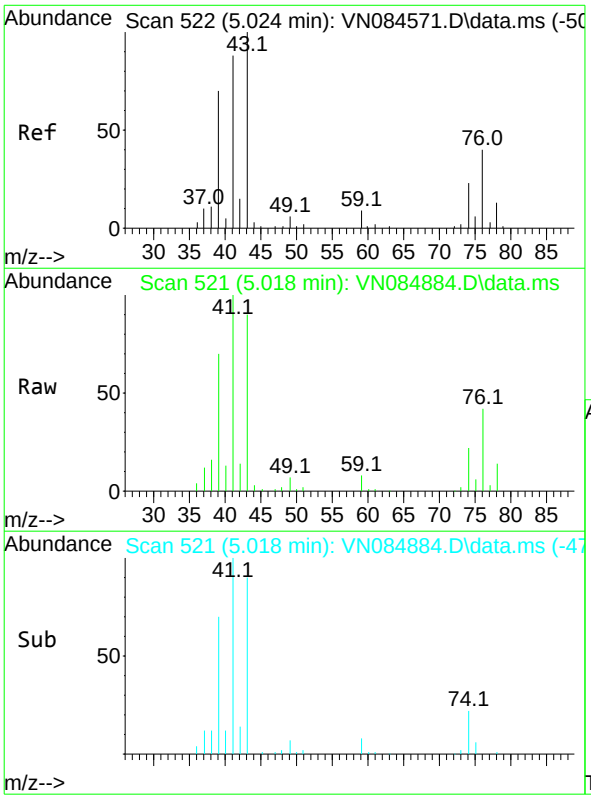
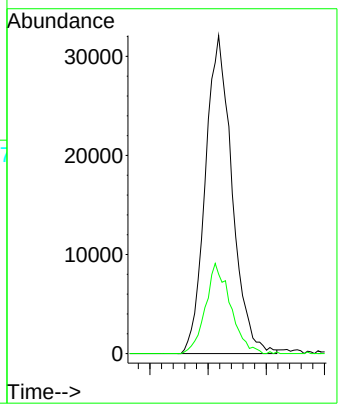
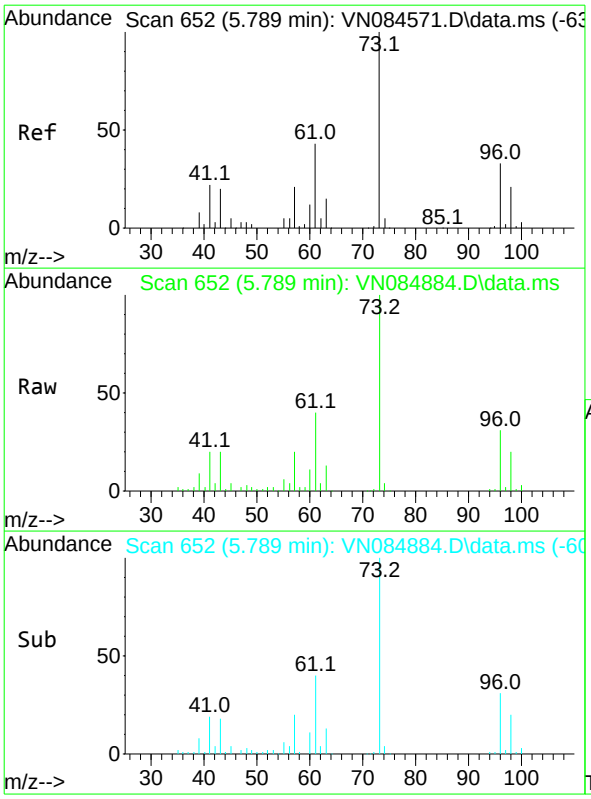


#18
Methyl Acetate
Concen: 45.324 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 43 Resp: 102414

Ion	Ratio	Lower	Upper
43	100		
74	26.6	19.2	28.8

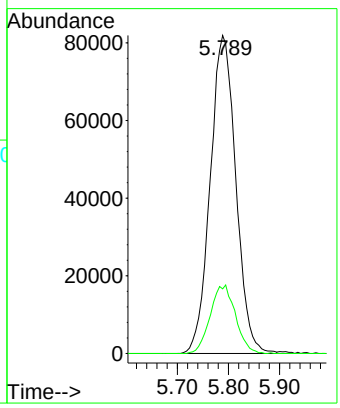




#19
Methyl tert-butyl Ether
Concen: 55.561 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 73 Resp: 285182

Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.7	26.5



Instrument :
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ClientSampleId :
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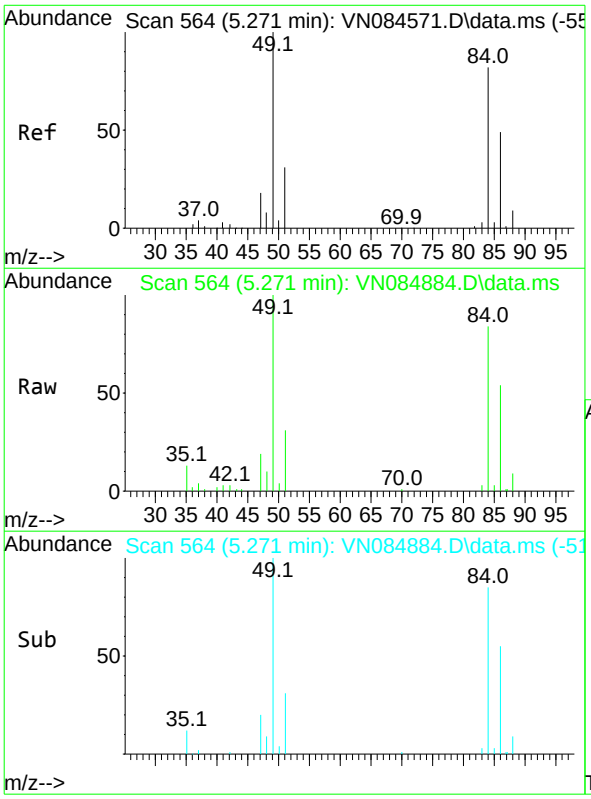
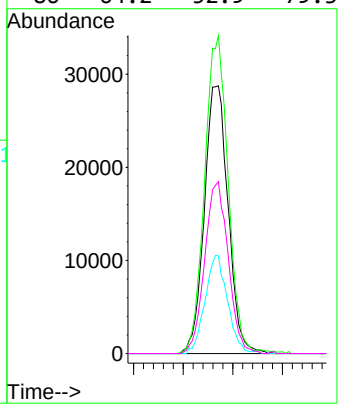
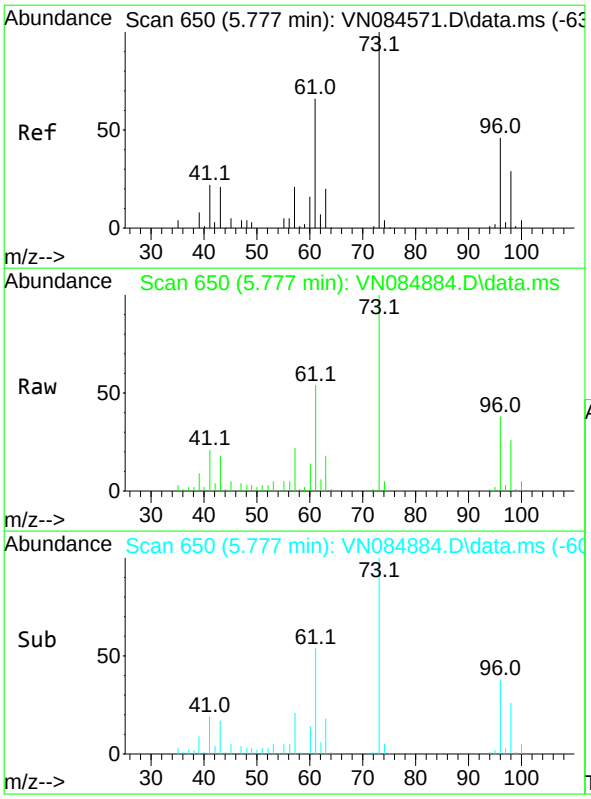


#20
Methylene Chloride
Concen: 51.441 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 84 Resp: 96094

Ion	Ratio	Lower	Upper
84	100		
49	118.8	107.2	160.8
51	36.5	31.8	47.8
86	64.2	52.9	79.3

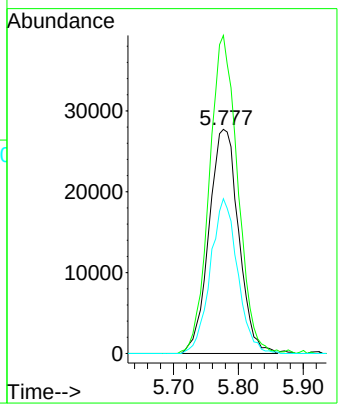




#21
trans-1,2-Dichloroethene
Concen: 51.015 ug/l
RT: 5.777 min Scan# 65
Delta R.T. -0.012 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 96 Resp: 87723

Ion	Ratio	Lower	Upper
96	100		
61	141.9	108.4	162.6
98	69.0	49.8	74.8



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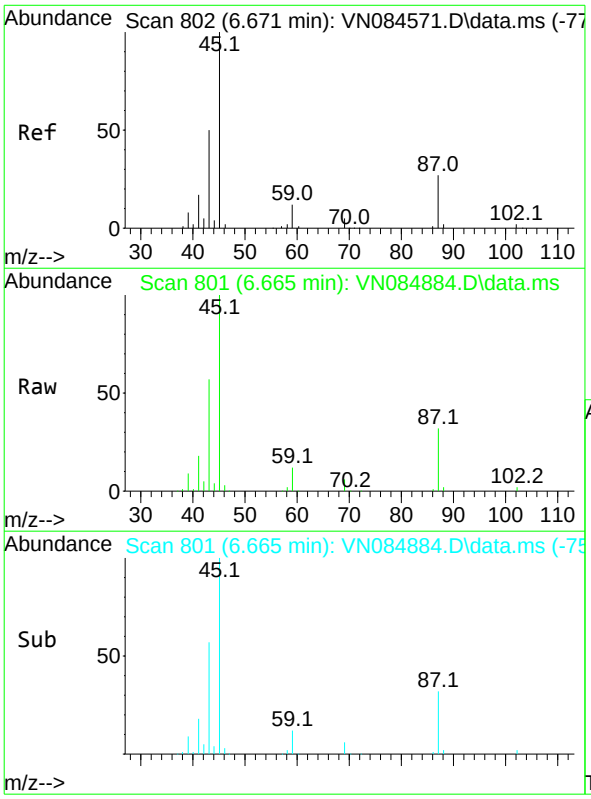
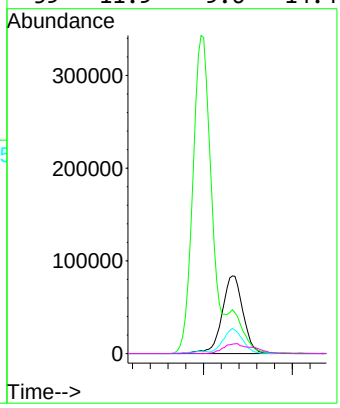
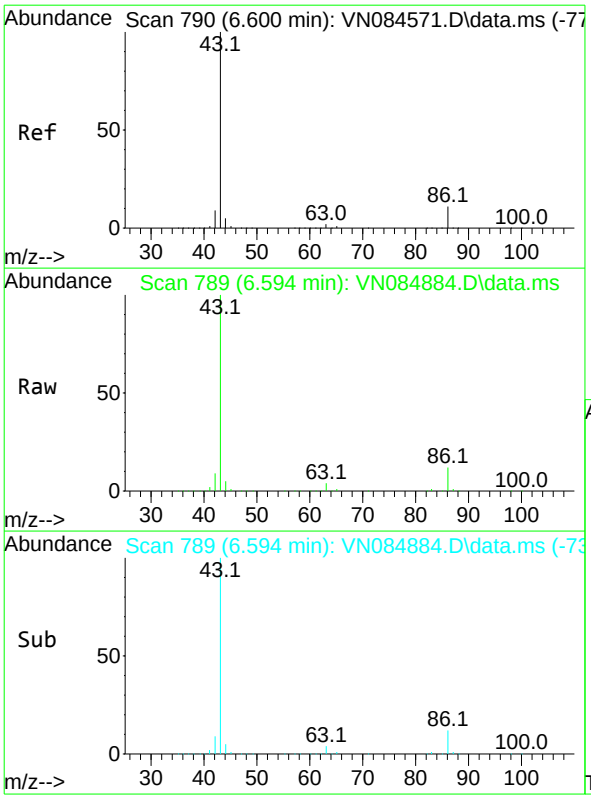


#22
Diisopropyl ether
Concen: 50.803 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 45 Resp: 274151

Ion	Ratio	Lower	Upper
45	100		
43	55.5	42.3	63.5
87	32.2	21.8	32.6
59	11.9	9.6	14.4

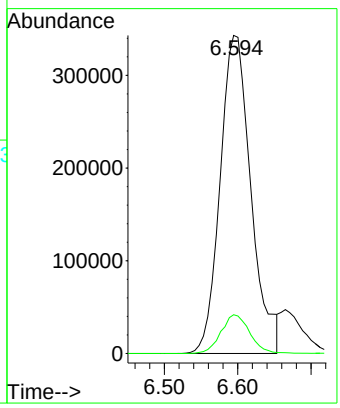




#23
Vinyl Acetate
Concen: 269.164 ug/l
RT: 6.594 min Scan# 78
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 43 Resp: 1001662

Ion	Ratio	Lower	Upper
43	100		
86	12.2	8.6	12.8



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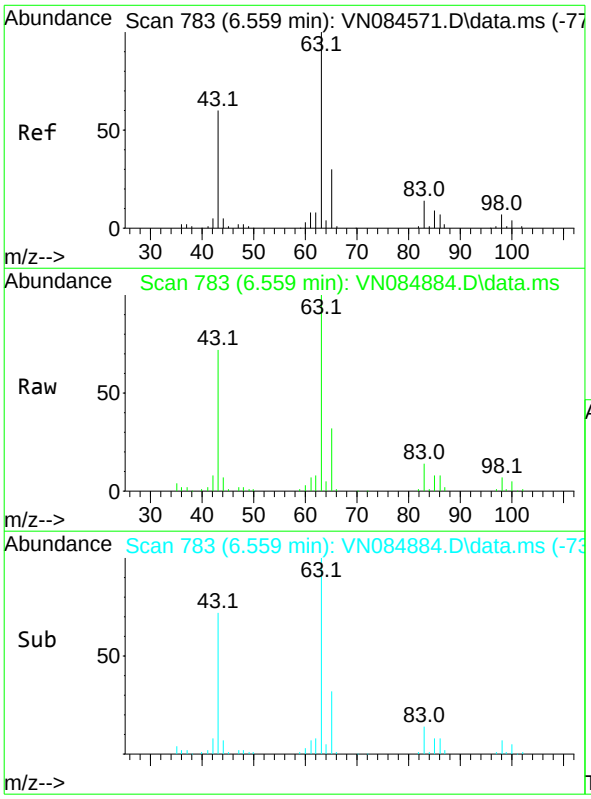
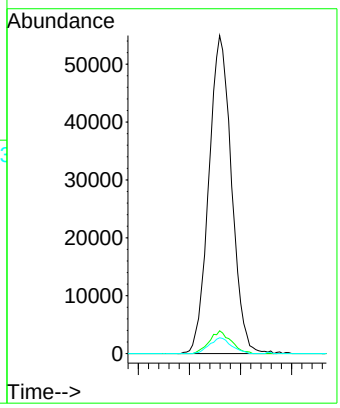
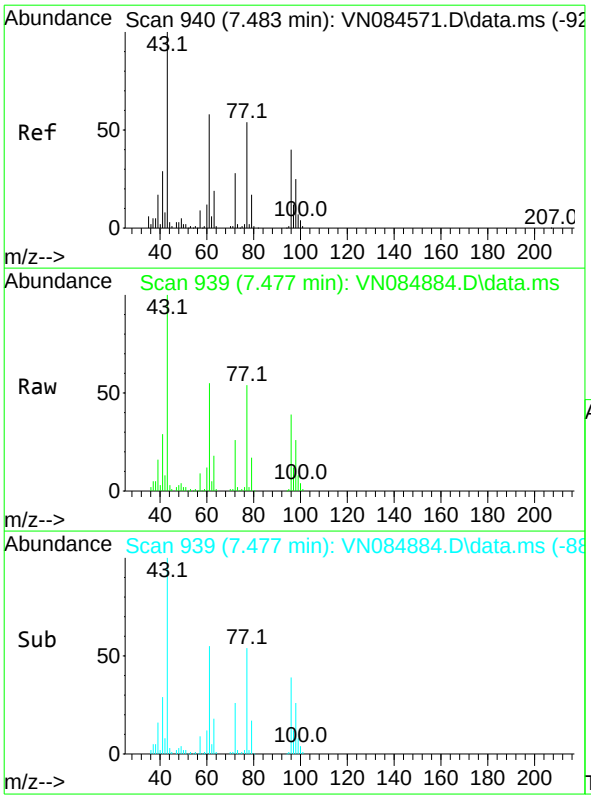


#24
1,1-Dichloroethane
Concen: 52.446 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 63 Resp: 169917

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.4	10.2
100	5.0	2.0	5.8

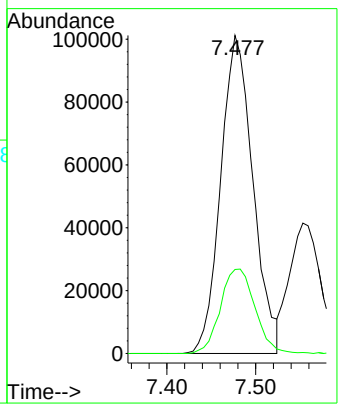




#25
2-Butanone
Concen: 257.834 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 43 Resp: 255483

Ion	Ratio	Lower	Upper
43	100		
72	26.4	21.4	32.2



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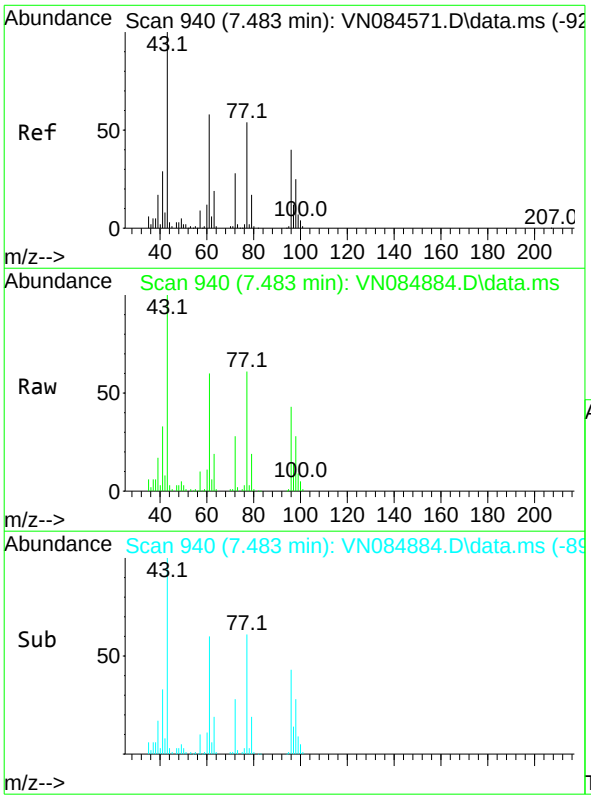
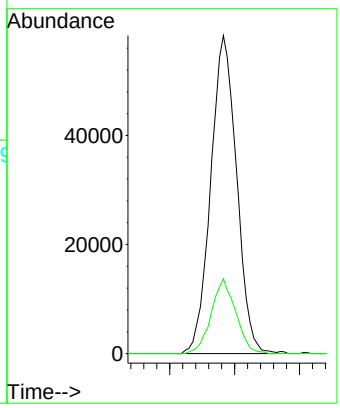
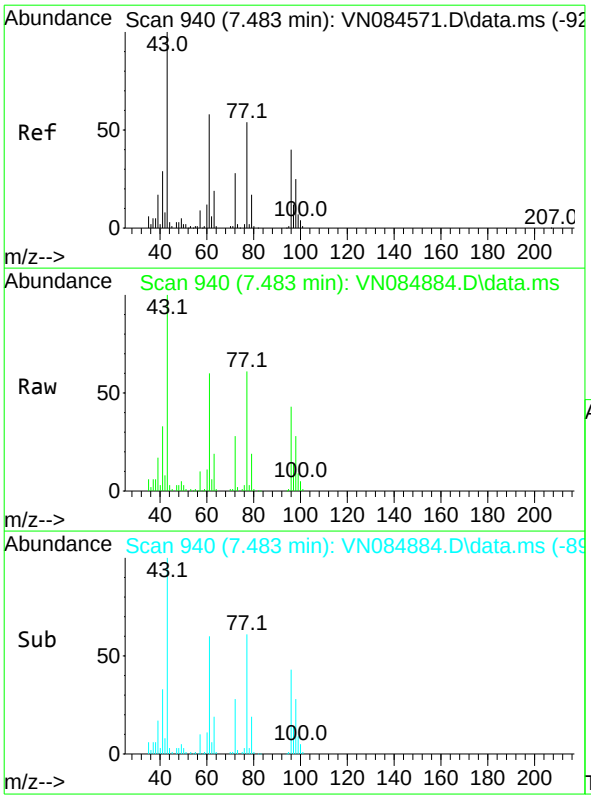


#26
2,2-Dichloropropane
Concen: 57.282 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 77 Resp: 161527

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.8	32.3

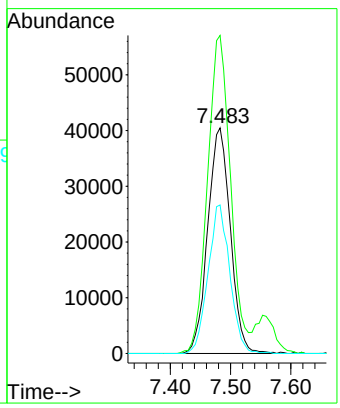




#27
cis-1,2-Dichloroethene
Concen: 52.601 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 96 Resp: 105614

Ion	Ratio	Lower	Upper
96	100		
61	142.7	0.0	301.8
98	63.6	0.0	128.2



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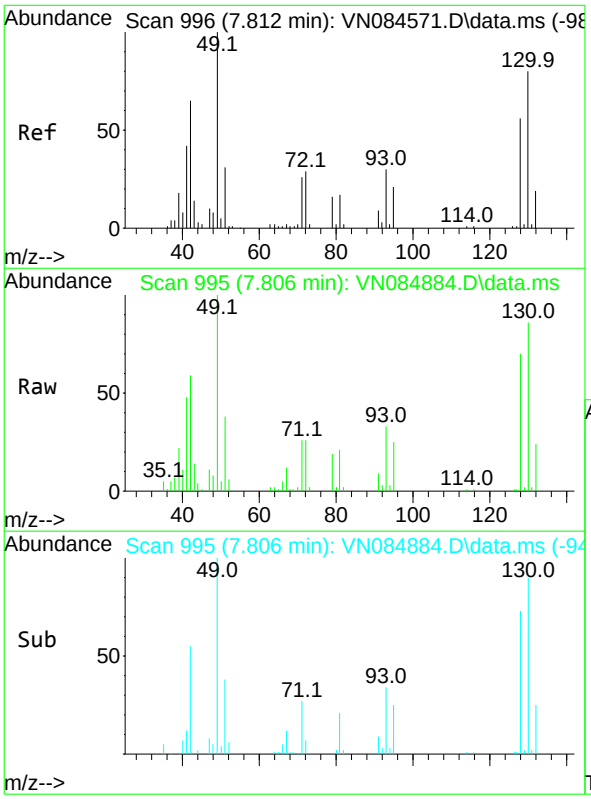
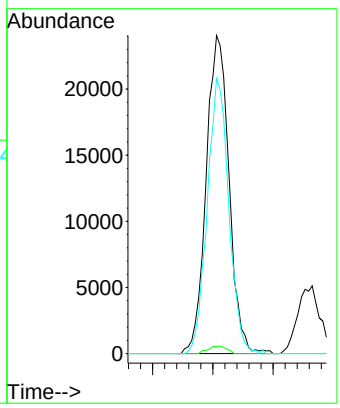
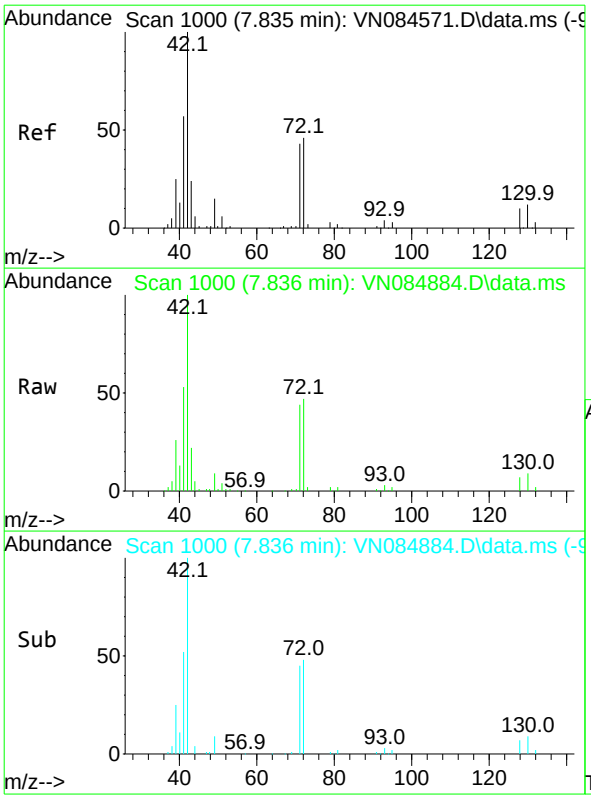


#28
Bromochloromethane
Concen: 49.031 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 49 Resp: 63288

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	81.8	58.0	87.0

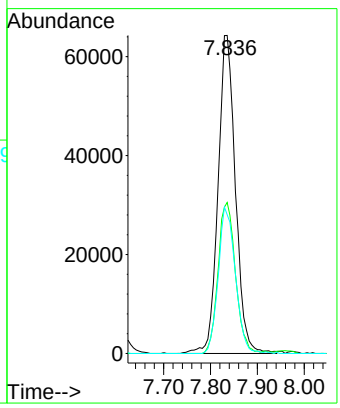




#29
Tetrahydrofuran
Concen: 252.727 ug/l
RT: 7.836 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 42 Resp: 166134

Ion	Ratio	Lower	Upper
42	100		
72	47.4	34.6	51.8
71	45.2	32.2	48.4



Instrument :
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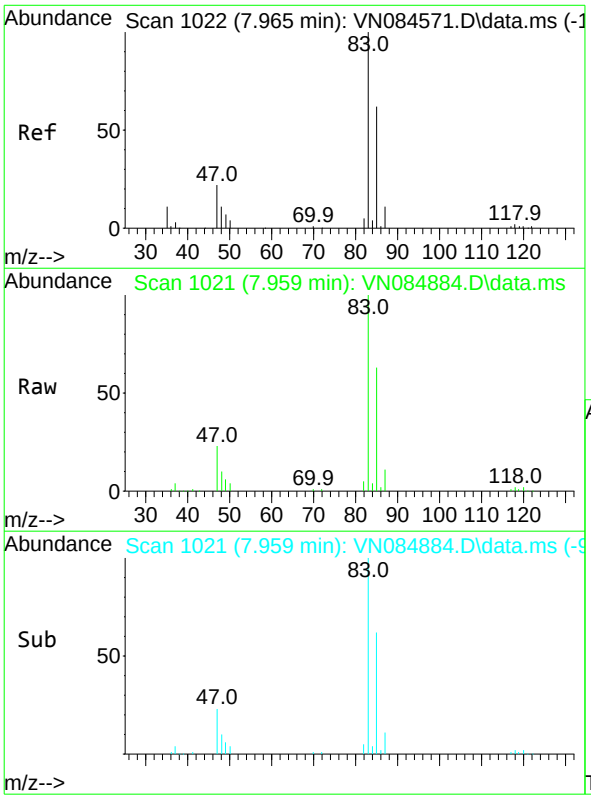
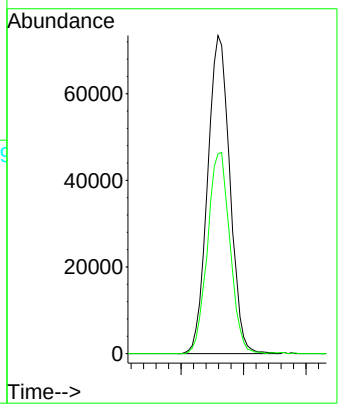
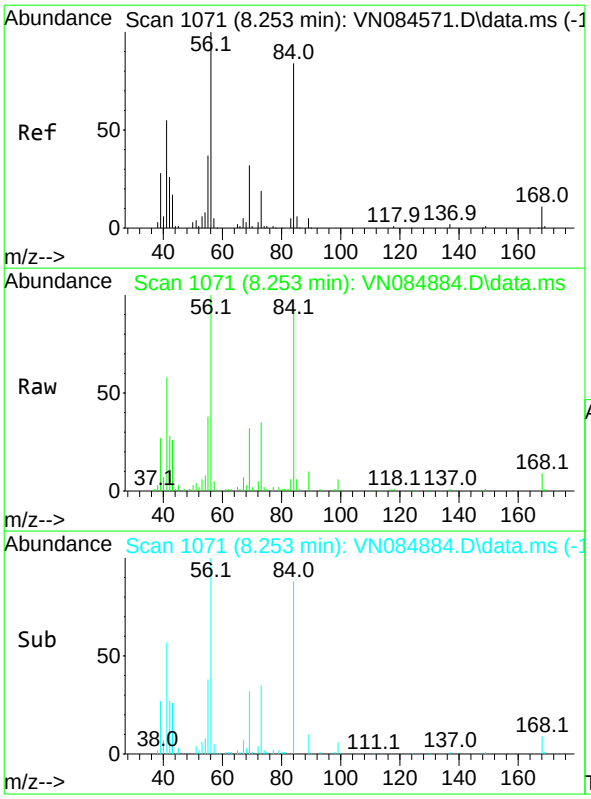


#30
Chloroform
Concen: 55.114 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 83 Resp: 181740

Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.0	76.4

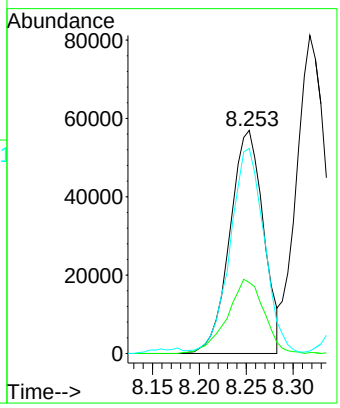




#31
Cyclohexane
Concen: 48.309 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 56 Resp: 141656

Ion	Ratio	Lower	Upper
56	100		
69	31.8	23.8	35.6
84	89.5	68.8	103.2



Instrument :
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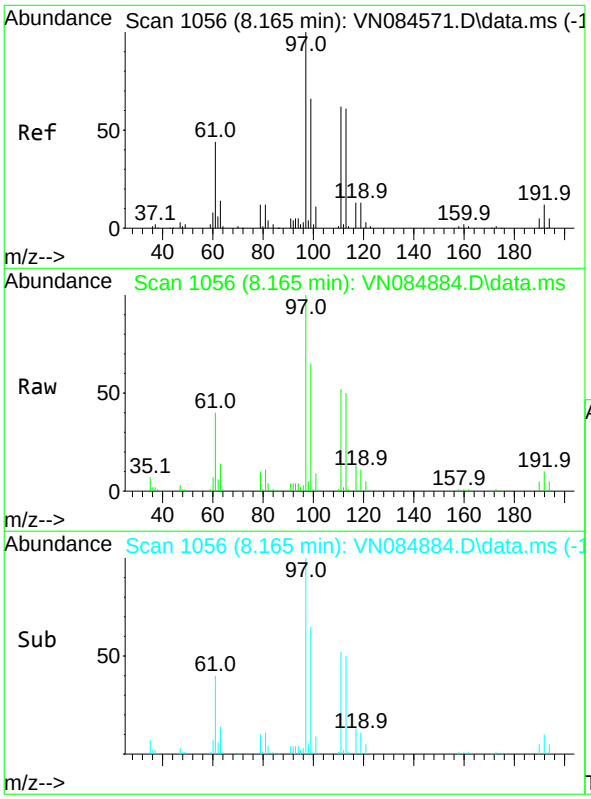
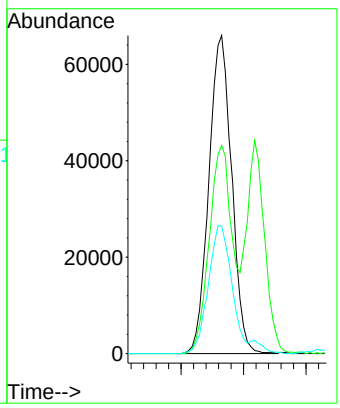
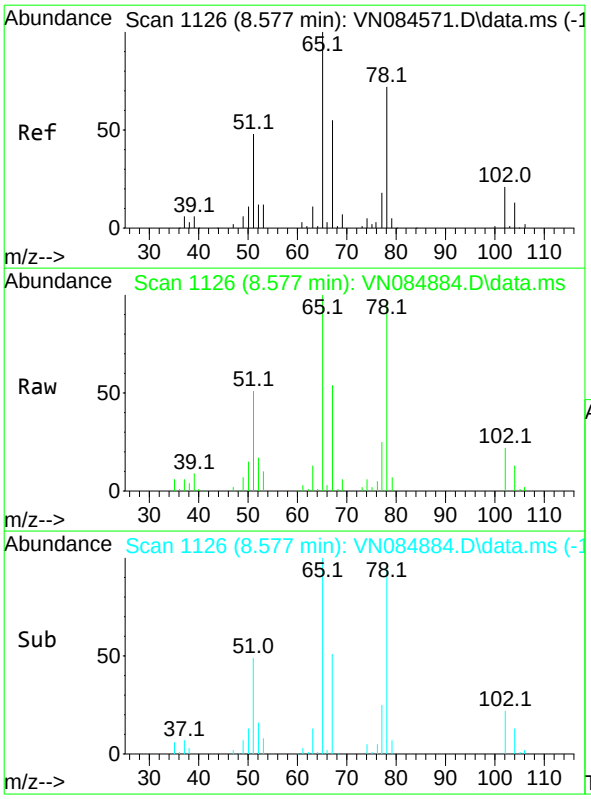


#32
1,1,1-Trichloroethane
Concen: 55.610 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 97 Resp: 166907

Ion	Ratio	Lower	Upper
97	100		
99	67.0	51.2	76.8
61	43.8	37.5	56.3

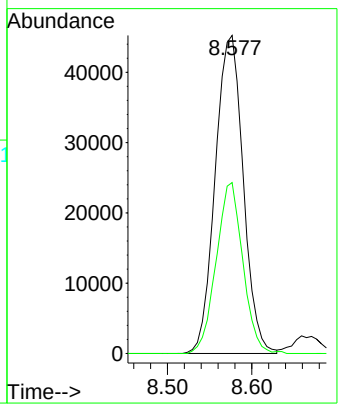




#33
1,2-Dichloroethane-d4
Concen: 49.195 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 65 Resp: 104486

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	102.0



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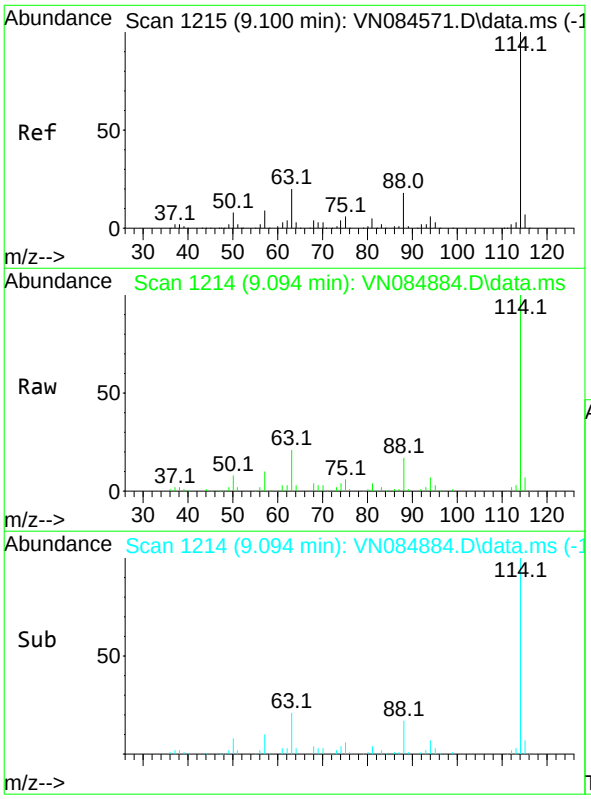
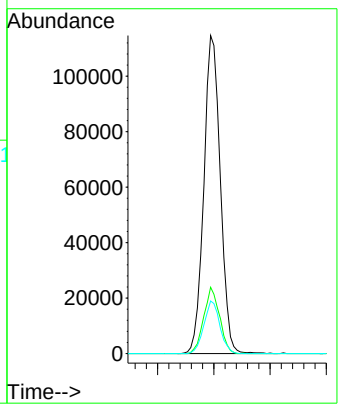
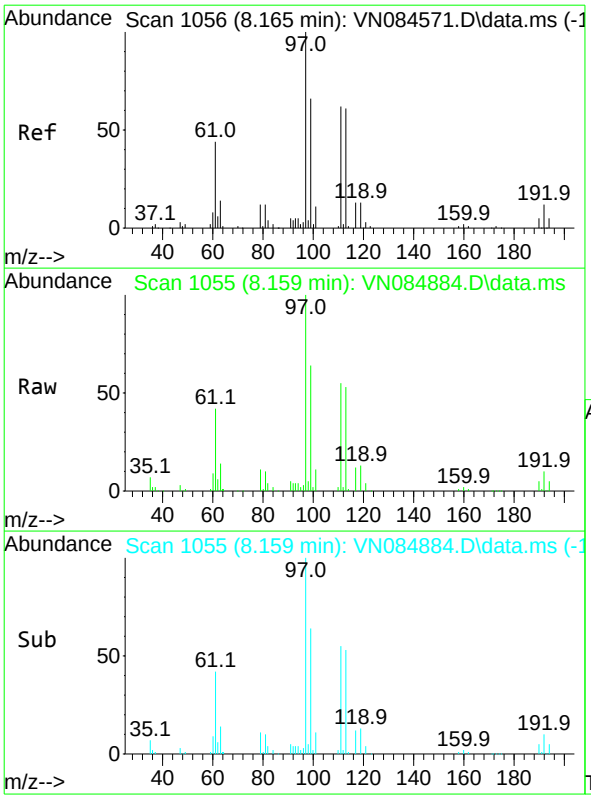


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:114 Resp: 233847

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	43.8
88	16.5	0.0	31.6

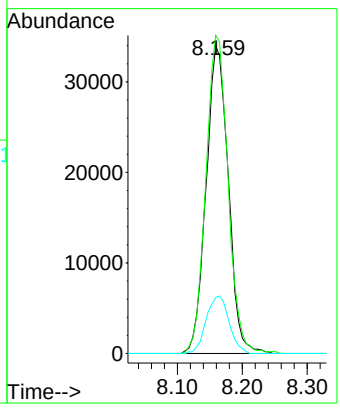




#35
Dibromofluoromethane
Concen: 51.105 ug/l
RT: 8.159 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:113 Resp: 80892

Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.3	124.9
192	19.2	13.5	20.3



Instrument :
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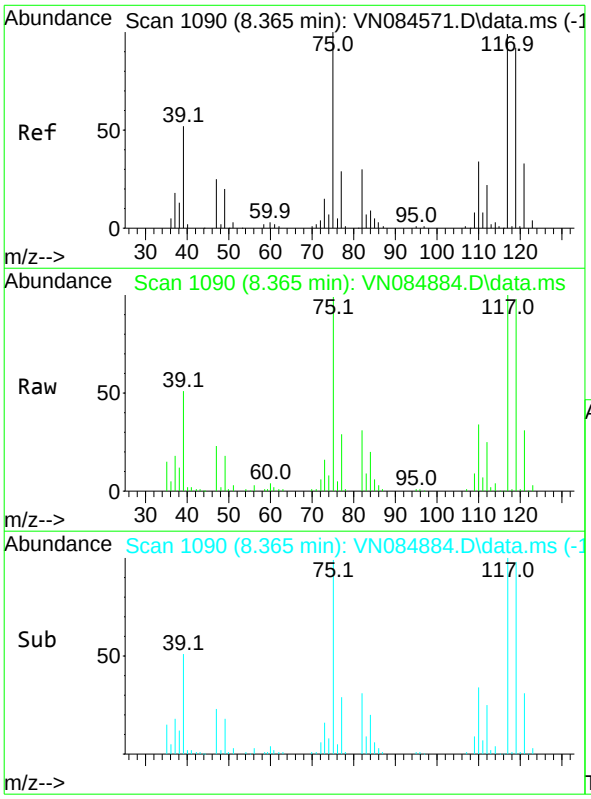
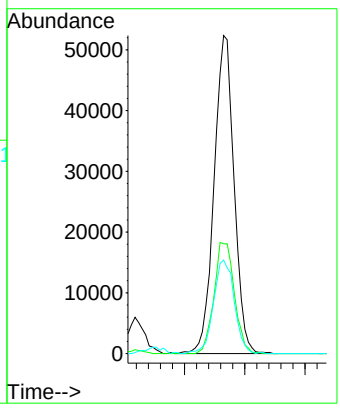
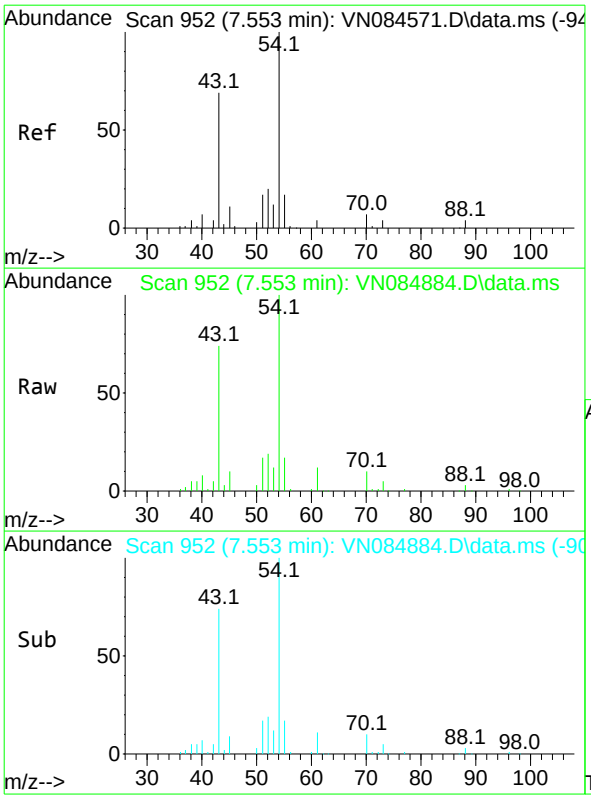


#36
1,1-Dichloropropene
Concen: 54.955 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 75 Resp: 120640

Ion	Ratio	Lower	Upper
75	100		
110	35.6	16.9	50.7
77	30.6	24.7	37.1





#37
Ethyl Acetate
Concen: 53.709 ug/l
RT: 7.553 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 43 Resp: 106974

Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.7	16.1
70	12.2	8.8	13.2

Instrument :
MSVOA_N
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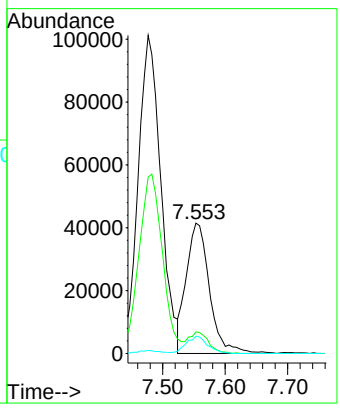
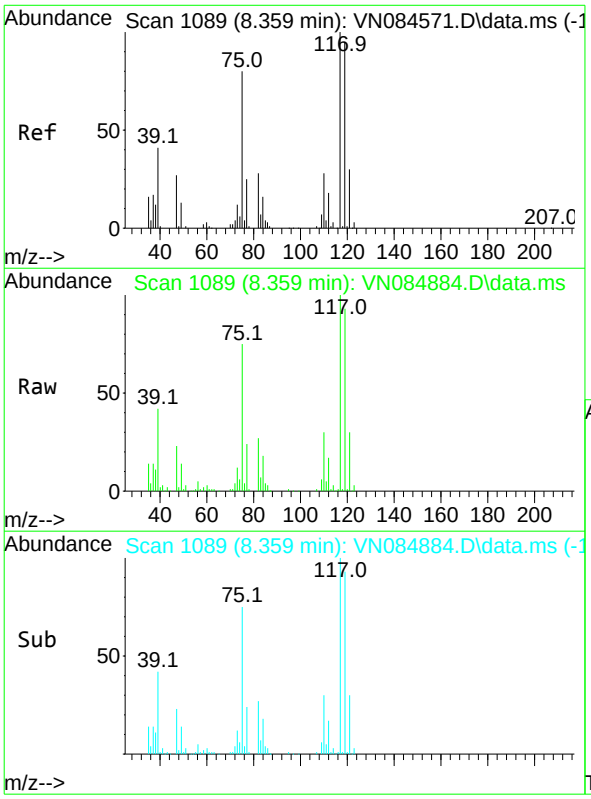
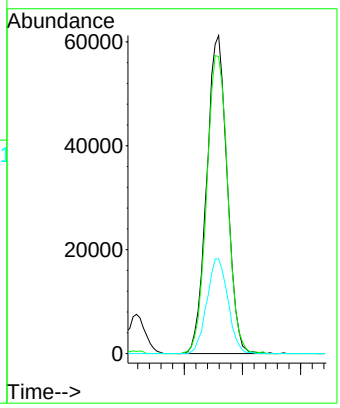


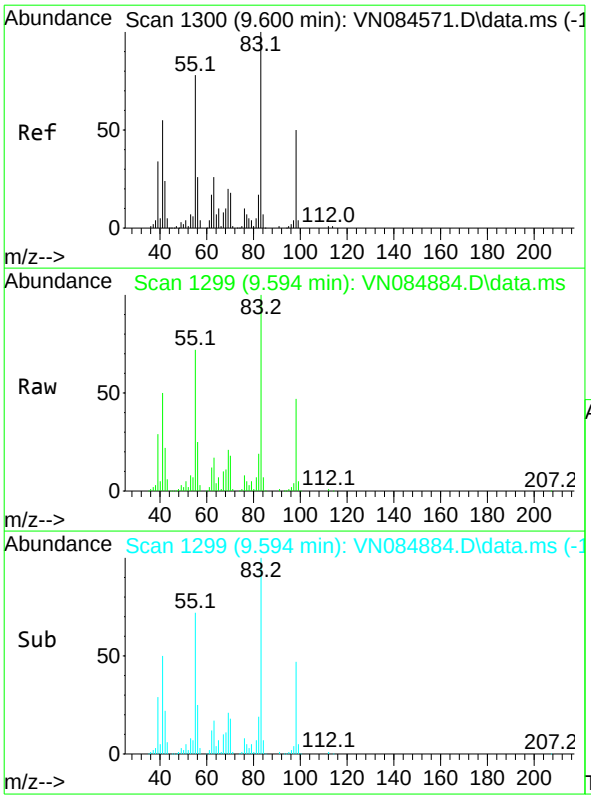


#38
Carbon Tetrachloride
Concen: 61.018 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:117 Resp: 149719

Ion	Ratio	Lower	Upper
117	100		
119	93.3	78.7	118.1
121	29.8	24.4	36.6

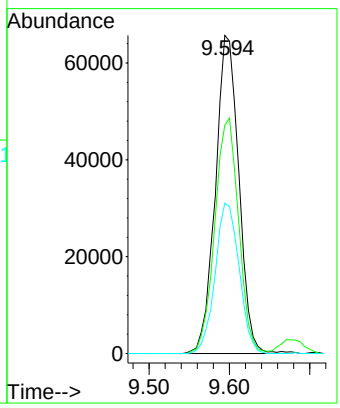




#39
Methylcyclohexane
Concen: 59.477 ug/l
RT: 9.594 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 83 Resp: 132827

Ion	Ratio	Lower	Upper
83	100		
55	71.8	62.8	94.2
98	47.2	38.8	58.2



Instrument :
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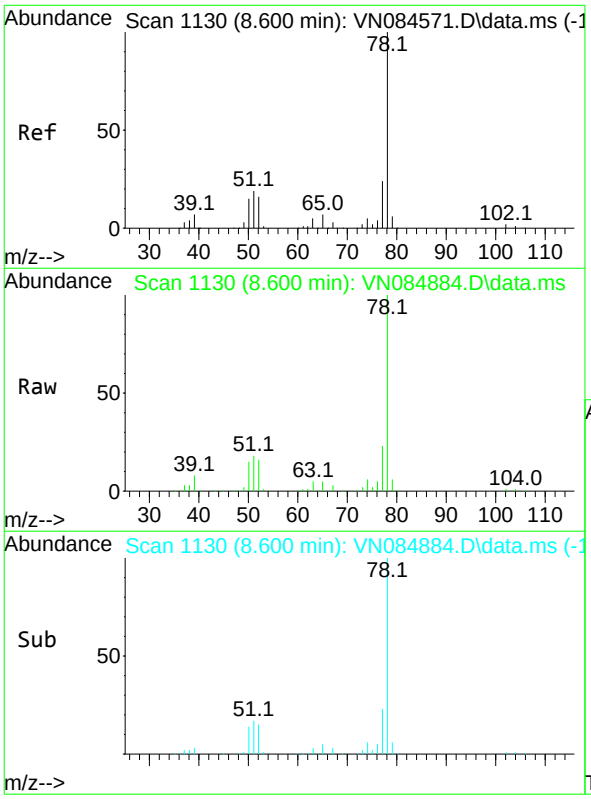
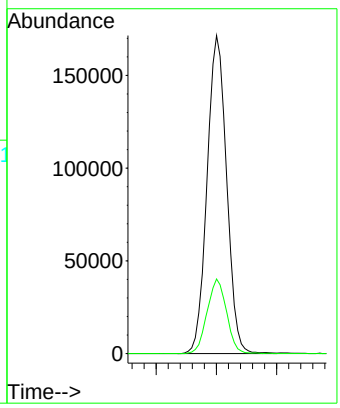
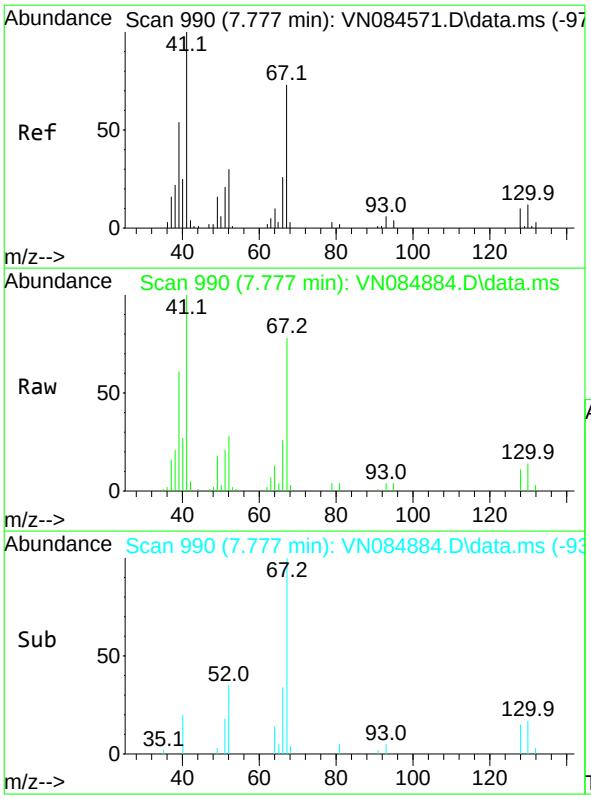


#40
Benzene
Concen: 54.816 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 78 Resp: 386451

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7

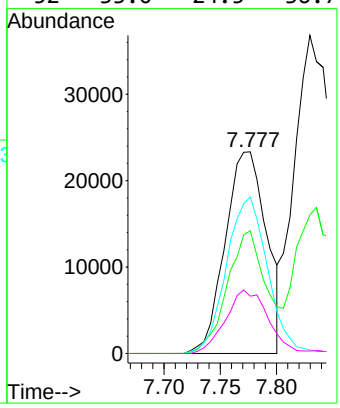




#41
Methacrylonitrile
Concen: 55.808 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 41 Resp: 59774

Ion	Ratio	Lower	Upper
41	100		
39	59.0	43.3	64.9
67	77.2	56.1	84.1
52	33.0	24.5	36.7



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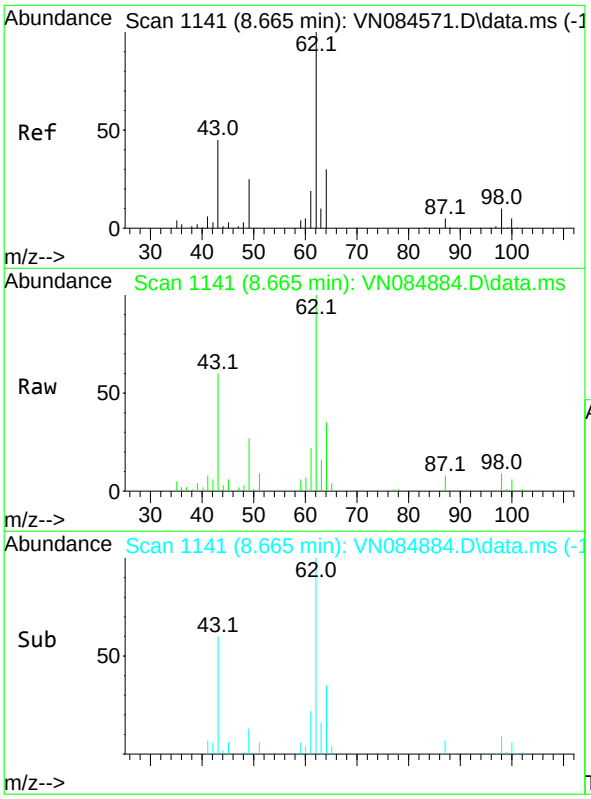
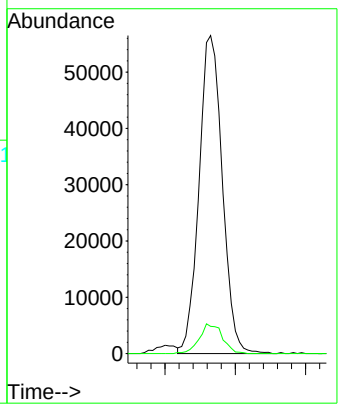
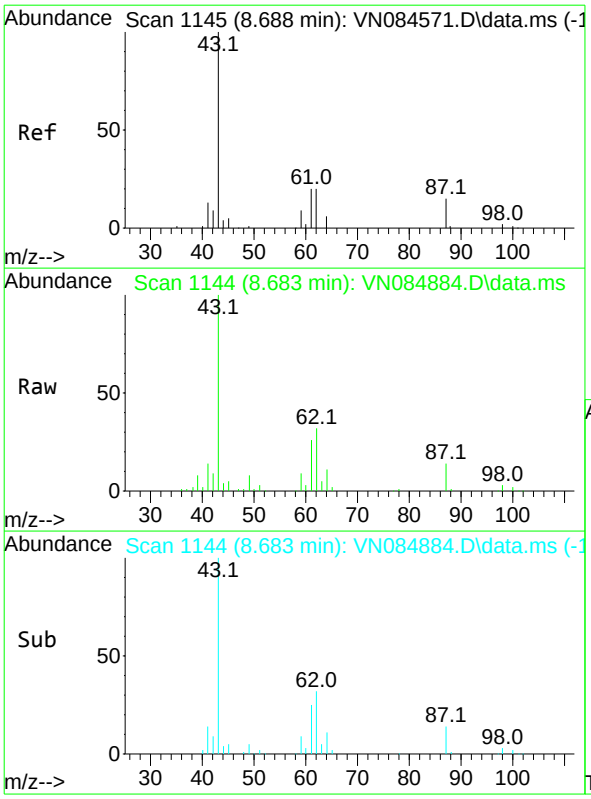


#42
1,2-Dichloroethane
Concen: 57.008 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 62 Resp: 130159

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2

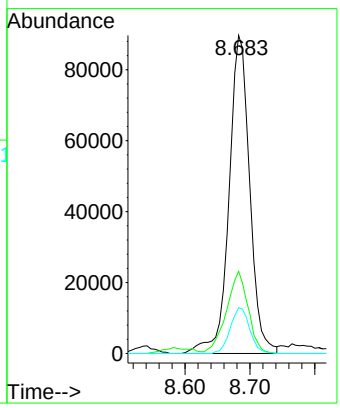




#43
Isopropyl Acetate
Concen: 54.197 ug/l
RT: 8.683 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 43 Resp: 199122

Ion	Ratio	Lower	Upper
43	100		
61	27.1	20.4	30.6
87	13.5	10.3	15.5



Instrument :
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ClientSampleId :
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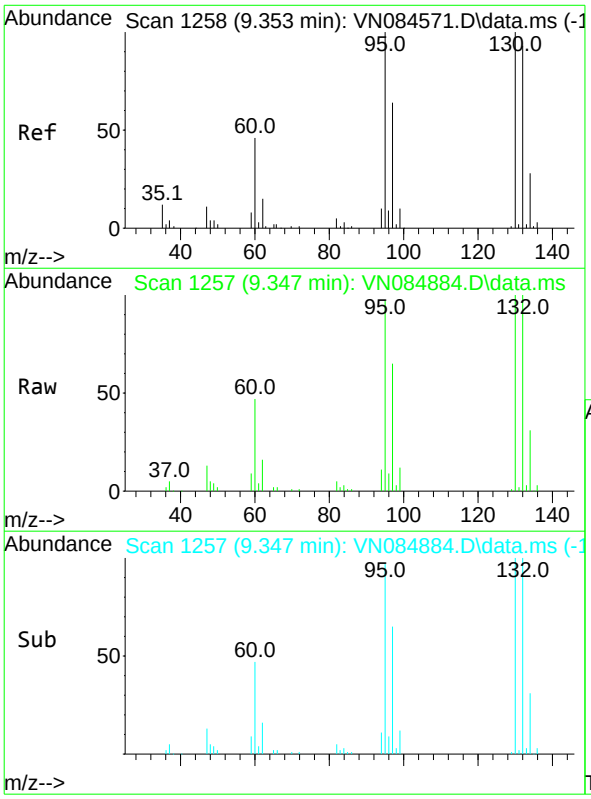
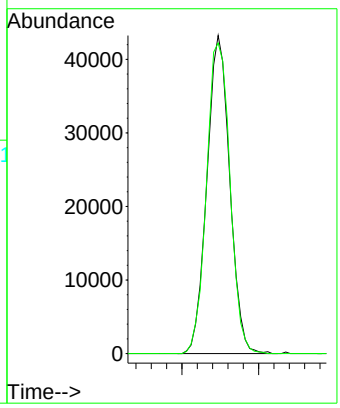
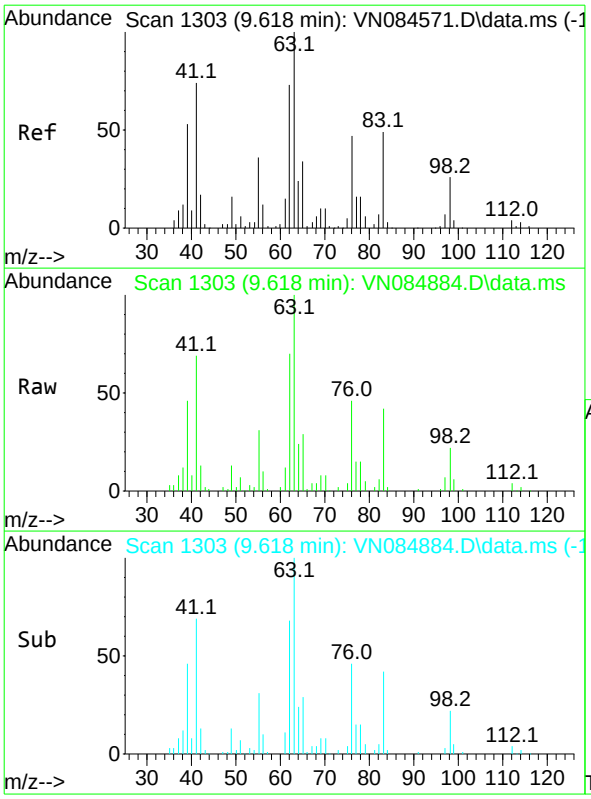


#44
Trichloroethene
Concen: 54.883 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:130 Resp: 89234

Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	203.0

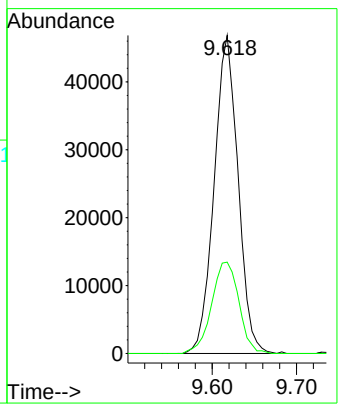




#45
1,2-Dichloropropane
Concen: 55.722 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 63 Resp: 92152

Ion	Ratio	Lower	Upper
63	100		
65	28.7	24.6	37.0



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ClientSampleId :
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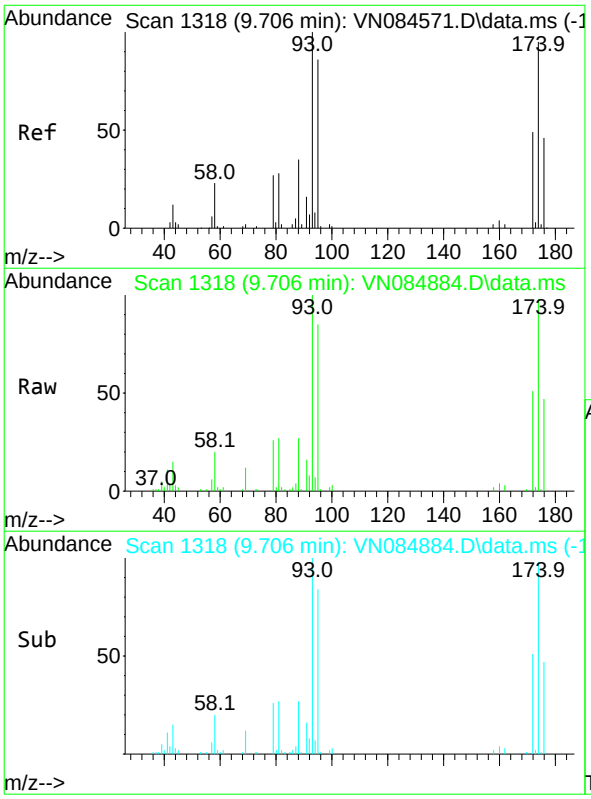
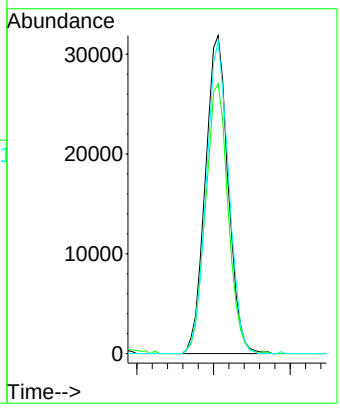
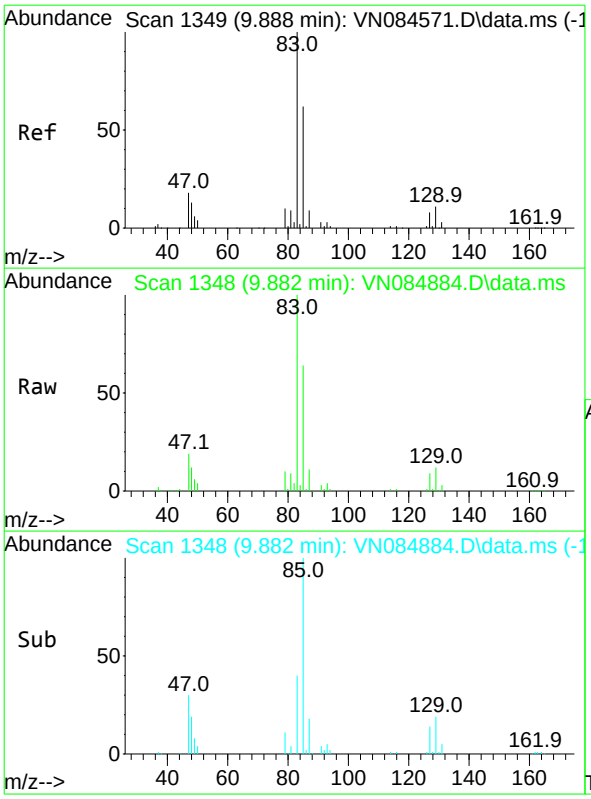


#46
Dibromomethane
Concen: 56.468 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 93 Resp: 65896

Ion	Ratio	Lower	Upper
93	100		
95	83.8	65.0	97.4
174	96.3	71.8	107.8

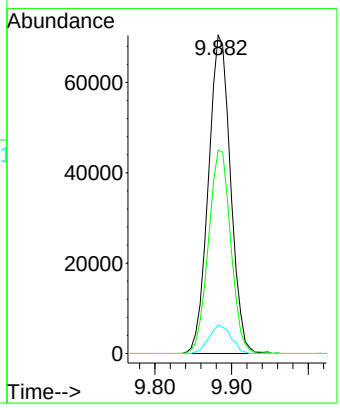




#47
Bromodichloromethane
Concen: 57.355 ug/l
RT: 9.882 min Scan# 13
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 83 Resp: 141085

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.5	77.3
127	8.9	5.7	8.5#



Instrument :
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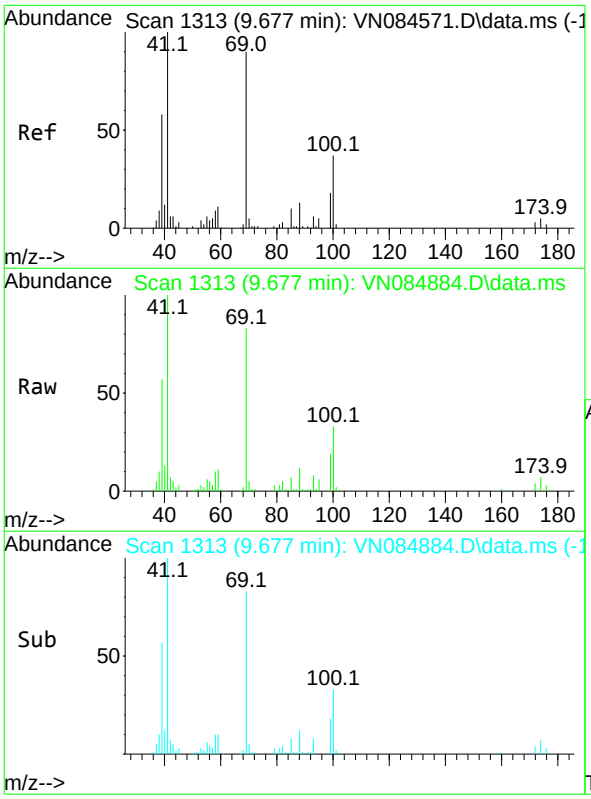
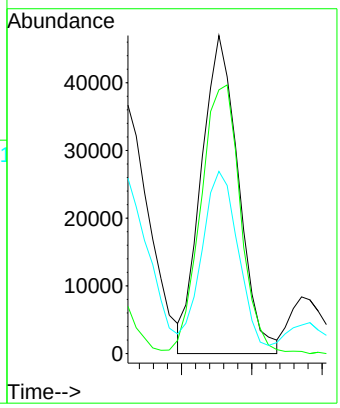
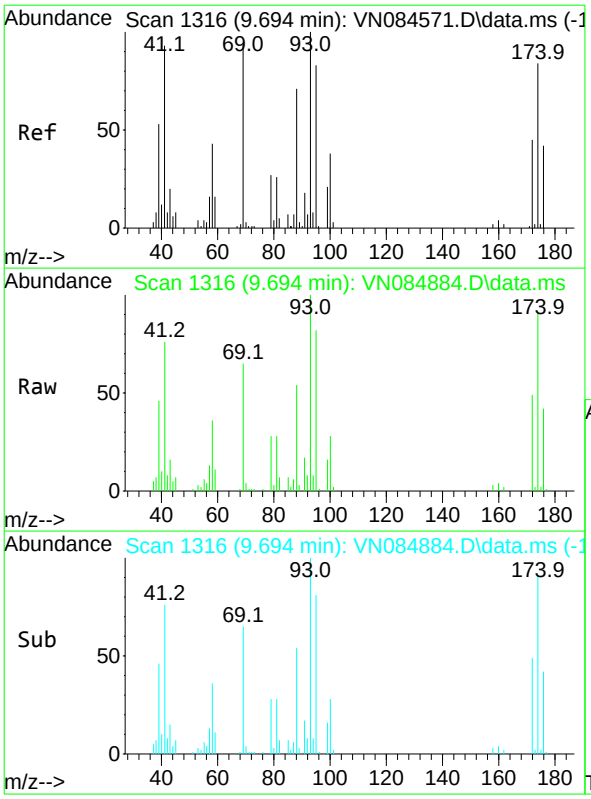


#48
Methyl methacrylate
Concen: 55.834 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 41 Resp: 86548

Ion	Ratio	Lower	Upper
41	100		
69	90.2	67.1	100.7
39	56.7	45.8	68.6

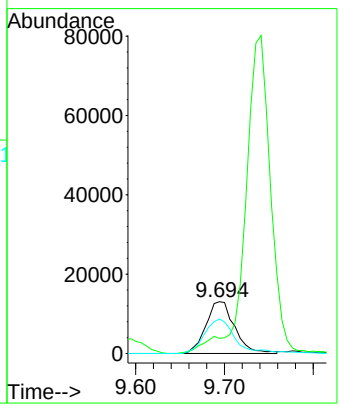




#49
1,4-Dioxane
Concen: 1071.216 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 88 Resp: 29425

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	72.2	56.4	84.6



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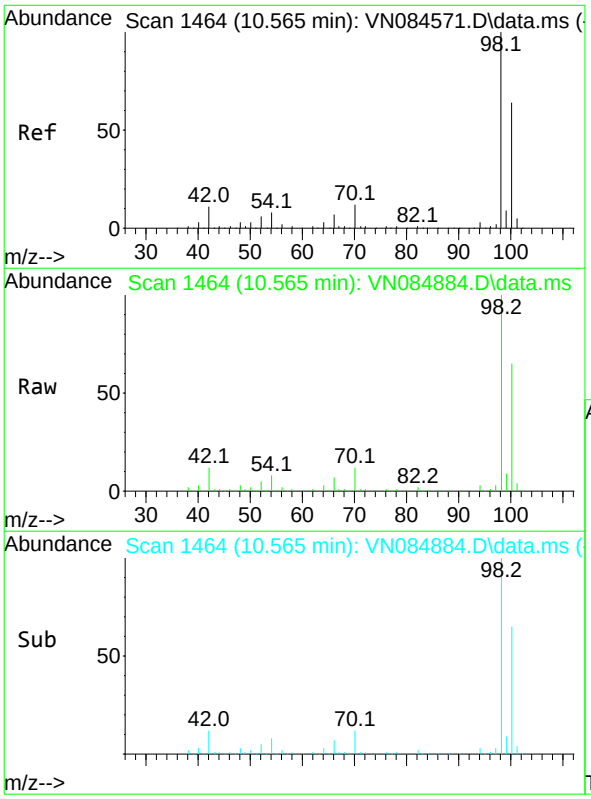
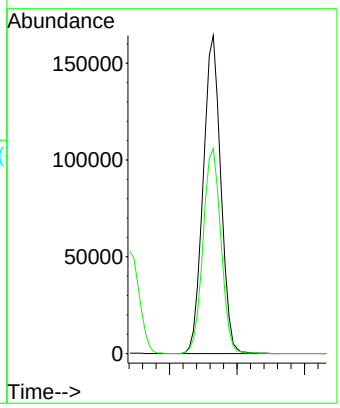
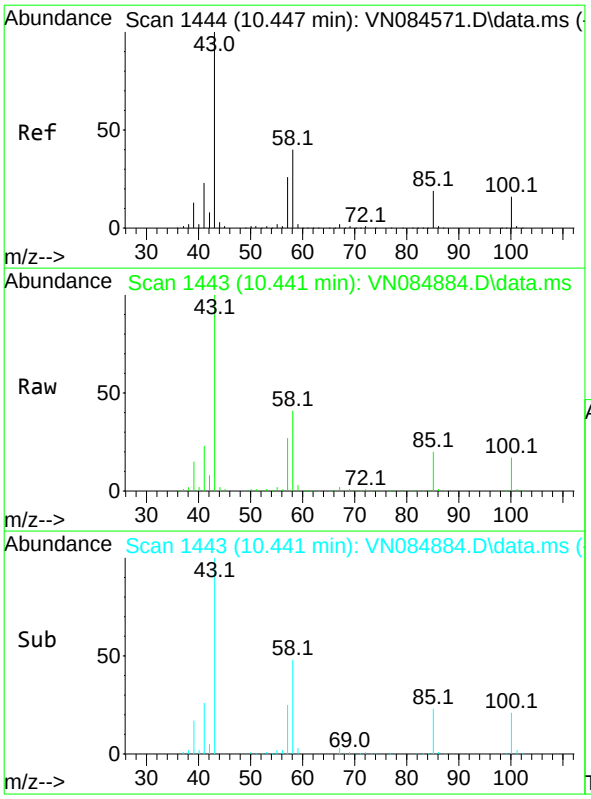


#50
Toluene-d8
Concen: 51.130 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 98 Resp: 298125

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1

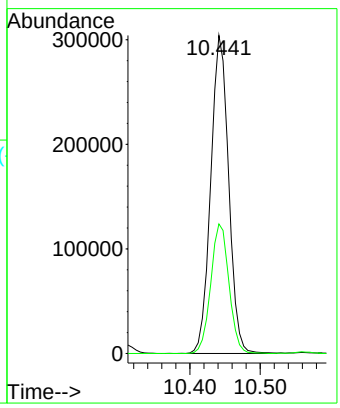




#51
4-Methyl-2-Pentanone
Concen: 283.555 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 43 Resp: 538388

Ion	Ratio	Lower	Upper
43	100		
58	41.4	31.6	47.4



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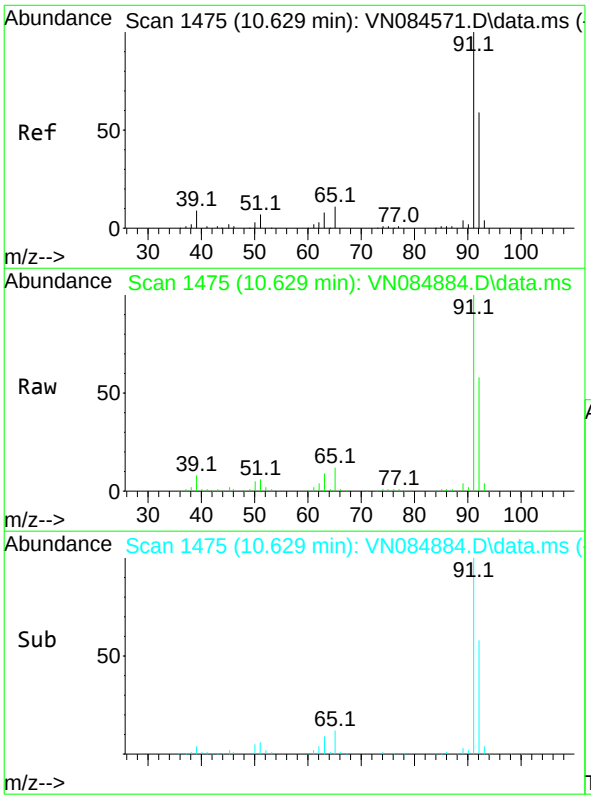
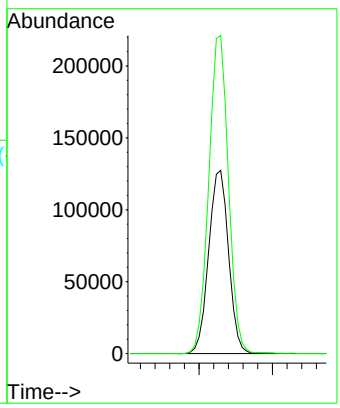
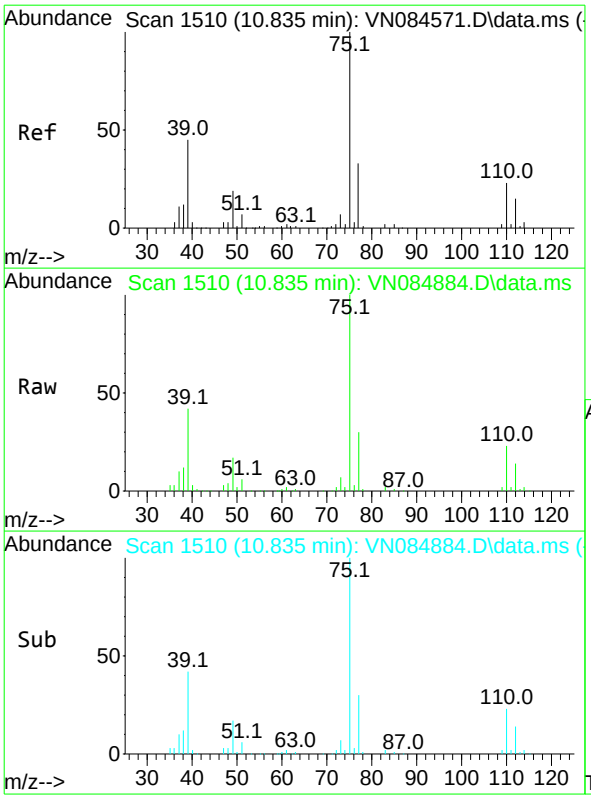


#52
Toluene
Concen: 58.161 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 92 Resp: 239806

Ion	Ratio	Lower	Upper
92	100		
91	171.8	137.3	205.9

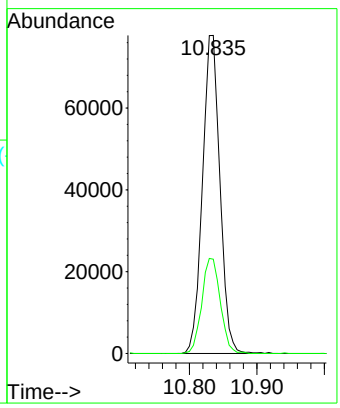




#53
t-1,3-Dichloropropene
Concen: 54.758 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 75 Resp: 139427

Ion	Ratio	Lower	Upper
75	100		
77	29.7	25.4	38.0



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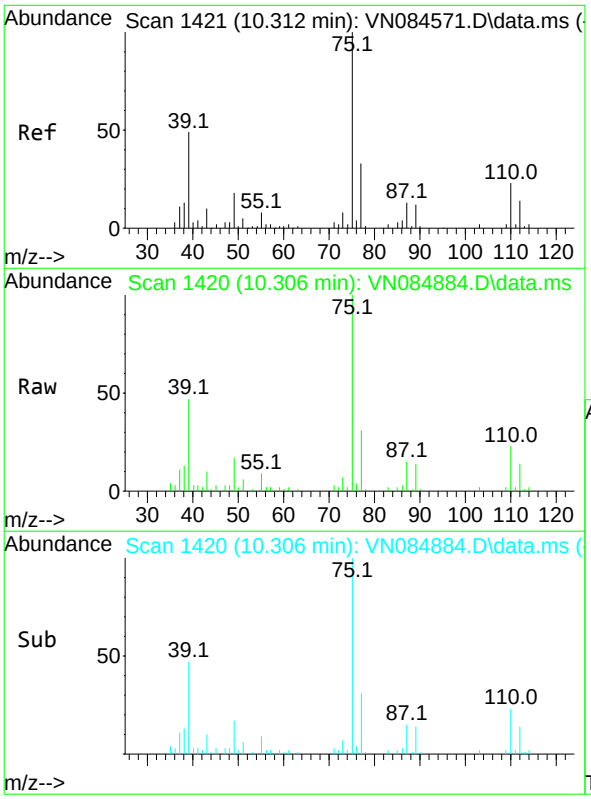
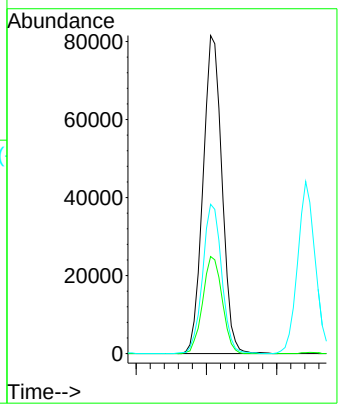
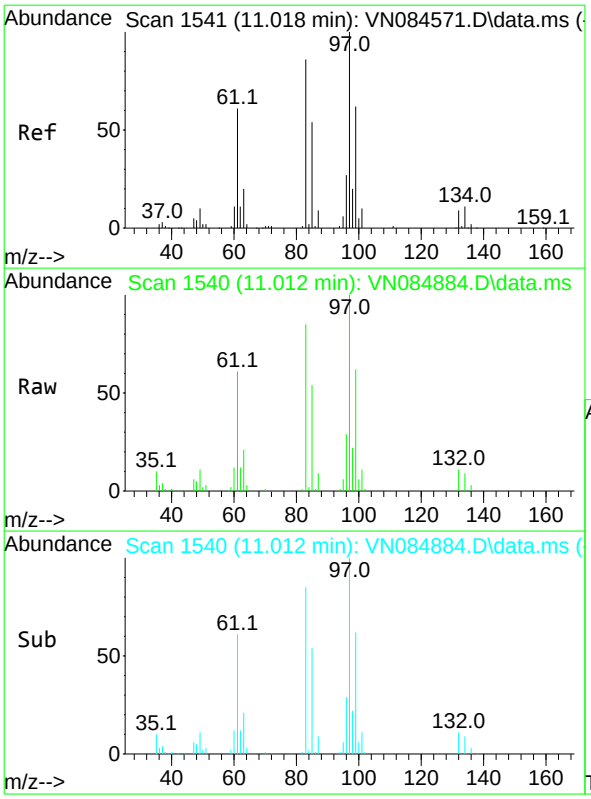


#54
cis-1,3-Dichloropropene
Concen: 56.641 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 75 Resp: 152643

Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.2	36.2
39	46.8	38.7	58.1

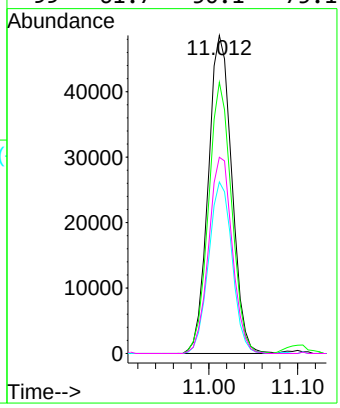




#55
1,1,2-Trichloroethane
Concen: 57.678 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 97 Resp: 89581

Ion	Ratio	Lower	Upper
97	100		
83	85.3	71.0	106.4
85	53.9	41.7	62.5
99	61.7	50.1	75.1



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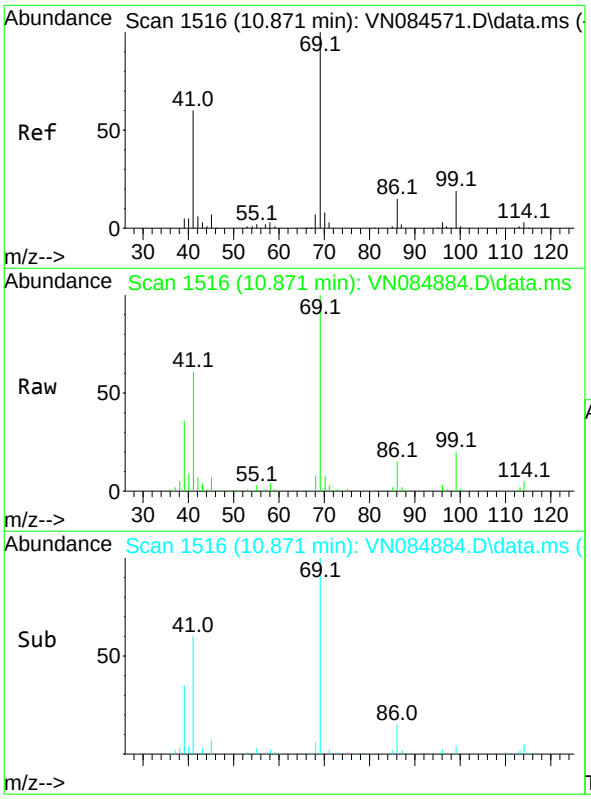
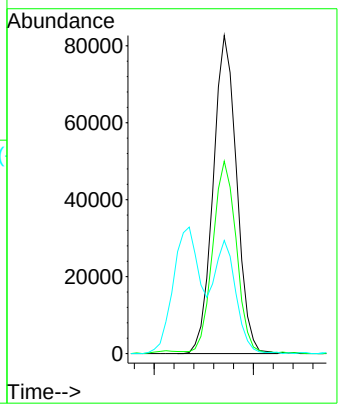
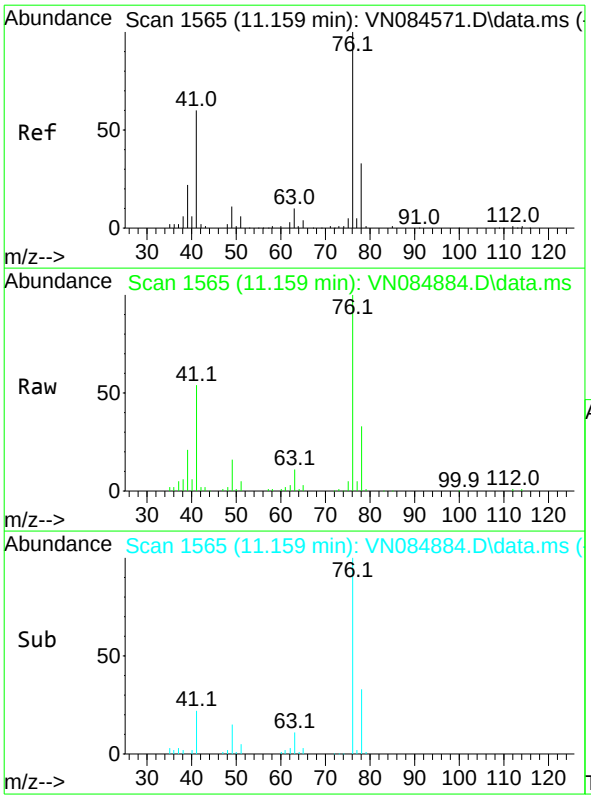


#56
Ethyl methacrylate
Concen: 60.488 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 69 Resp: 135889

Ion	Ratio	Lower	Upper
69	100		
41	61.4	53.3	79.9
39	33.0	28.8	43.2

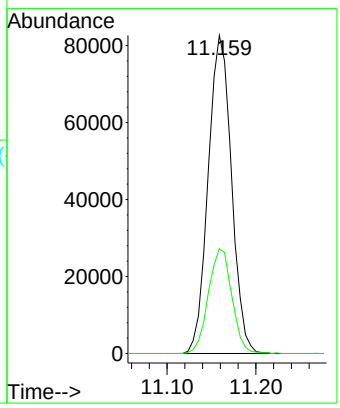




#57
1,3-Dichloropropane
Concen: 56.495 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 76 Resp: 150590

Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.8	38.6



Instrument :
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ClientSampleId :
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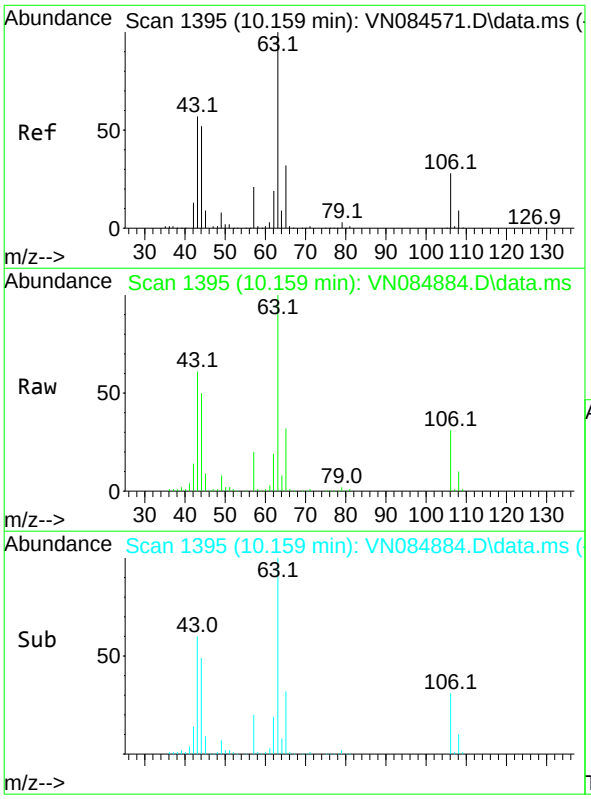
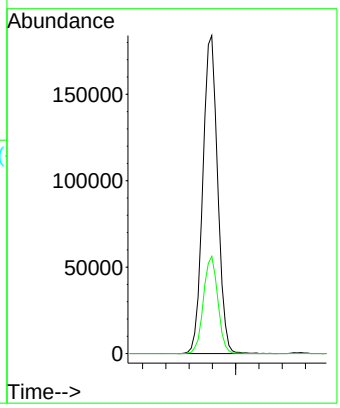
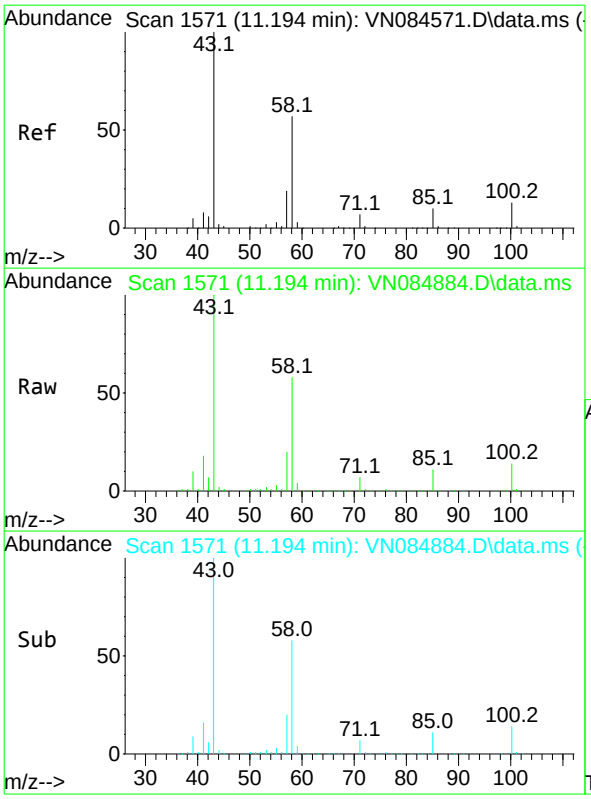


#58
2-Chloroethyl Vinyl ether
Concen: 308.972 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 63 Resp: 324802

Ion	Ratio	Lower	Upper
63	100		
106	29.7	21.8	32.6

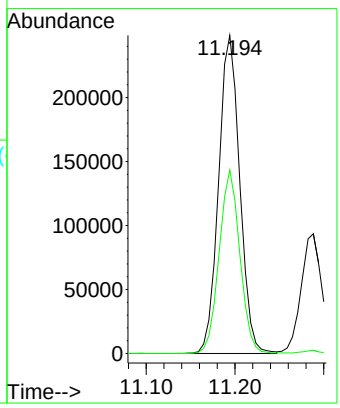




#59
2-Hexanone
Concen: 297.467 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 43 Resp: 411111

Ion	Ratio	Lower	Upper
43	100		
58	56.6	27.3	81.8



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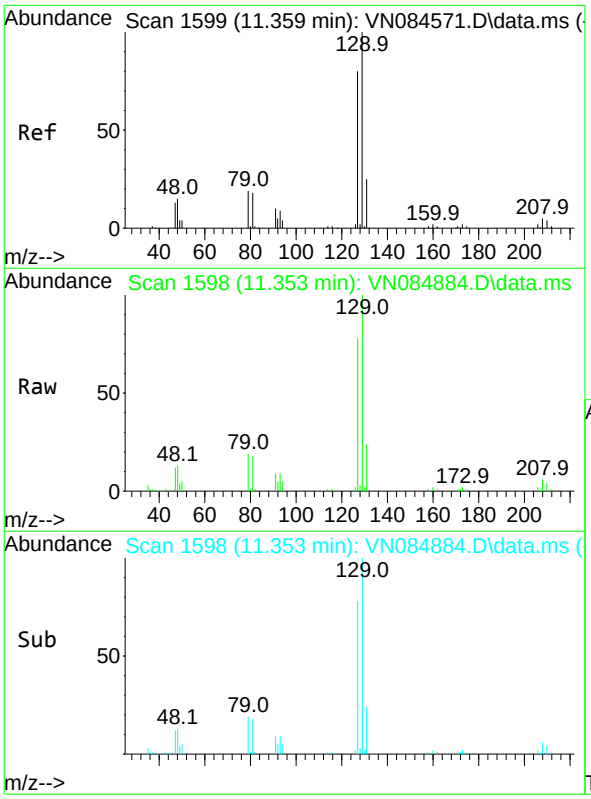
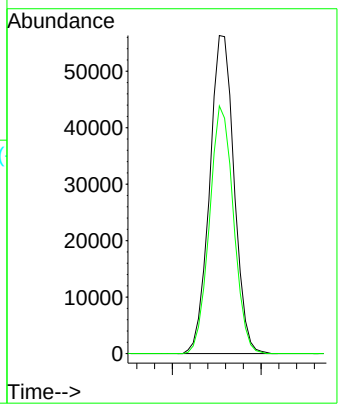
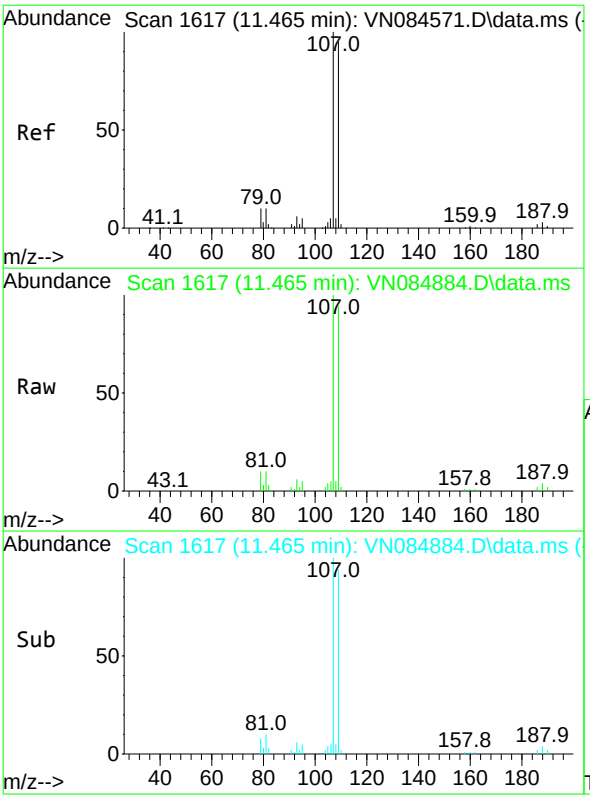


#60
Dibromochloromethane
Concen: 60.967 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:129 Resp: 107918

Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.3	114.9

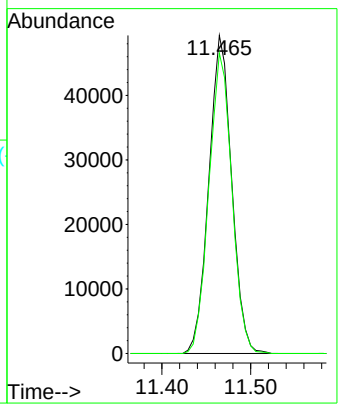




#61
1,2-Dibromoethane
Concen: 55.412 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:107 Resp: 88131

Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.4	113.0



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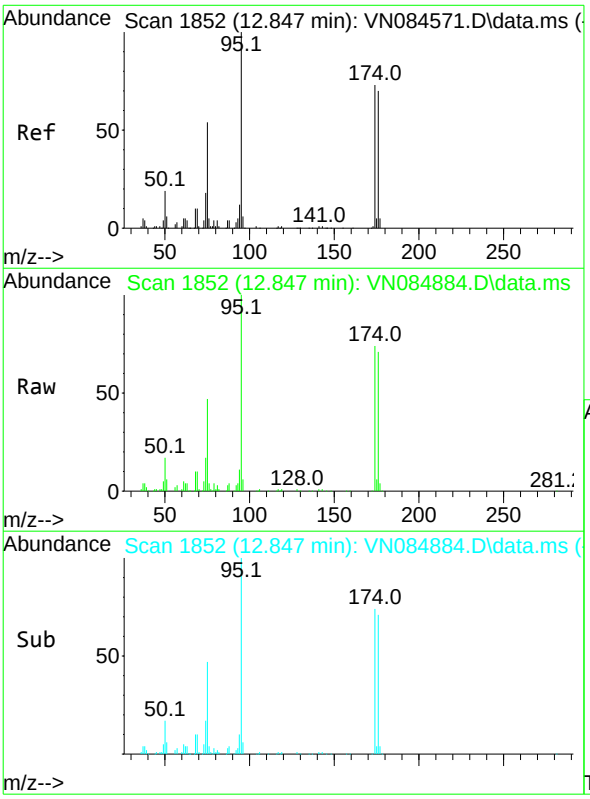
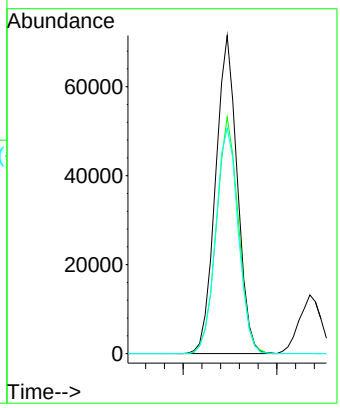
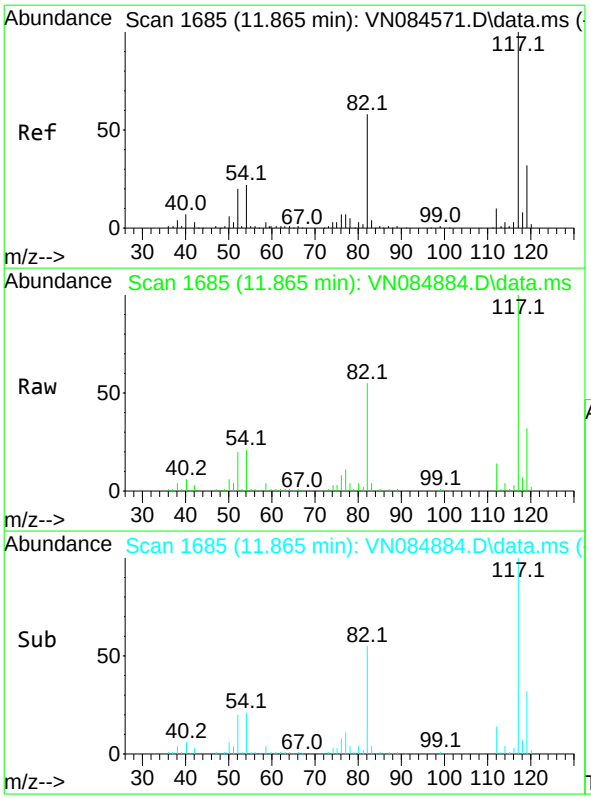


#62
4-Bromofluorobenzene
Concen: 52.881 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 95 Resp: 115235

Ion	Ratio	Lower	Upper
95	100		
174	75.0	0.0	145.2
176	73.4	0.0	140.0

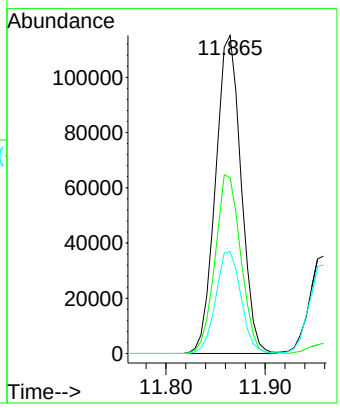




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:117 Resp: 206028

Ion	Ratio	Lower	Upper
117	100		
82	55.3	47.2	70.8
119	32.0	25.4	38.0



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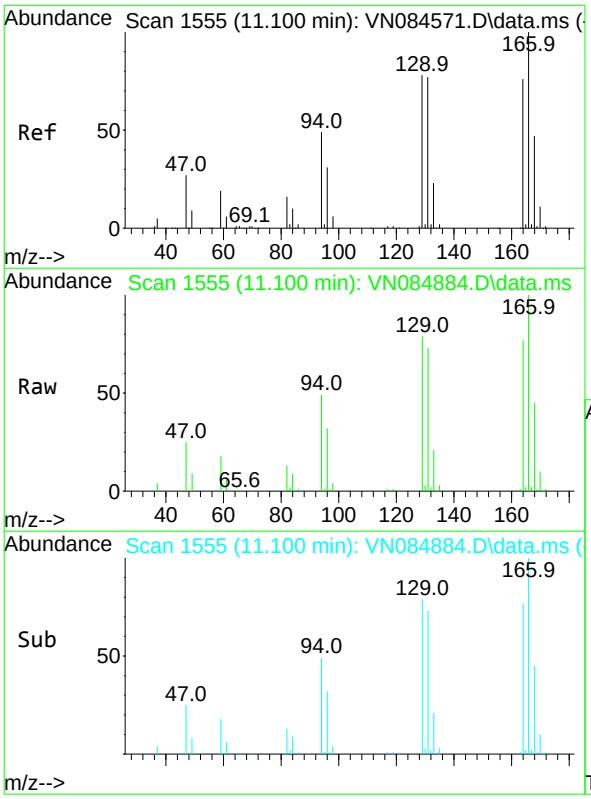
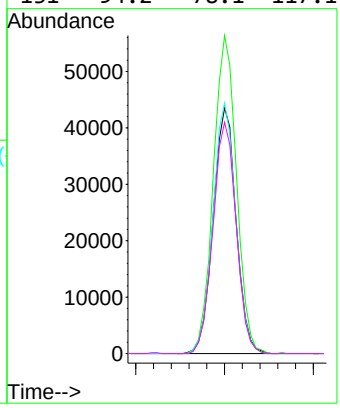
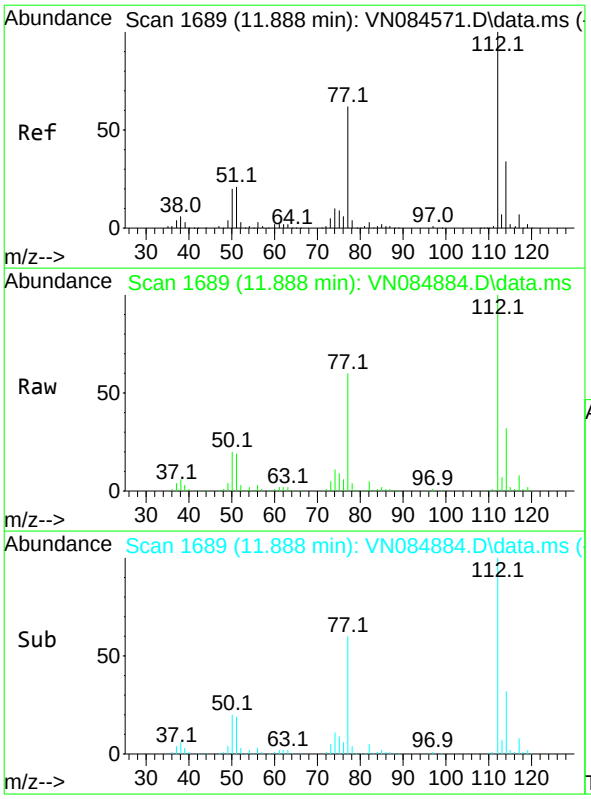


#64
Tetrachloroethene
Concen: 57.166 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:164 Resp: 78342

Ion	Ratio	Lower	Upper
164	100		
166	129.5	101.0	151.4
129	102.1	80.8	121.2
131	94.2	78.1	117.1

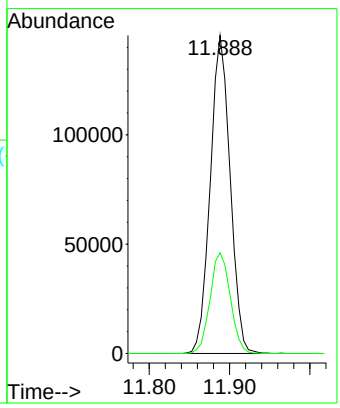




#65
Chlorobenzene
Concen: 54.214 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:112 Resp: 249886

Ion	Ratio	Lower	Upper
112	100		
114	31.7	27.0	40.6



Instrument :
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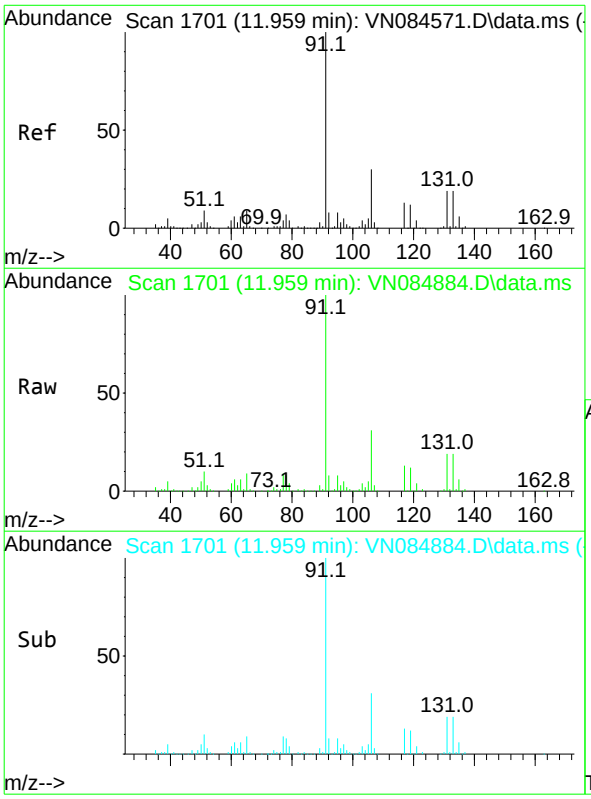
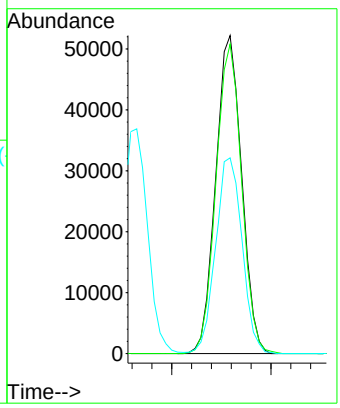
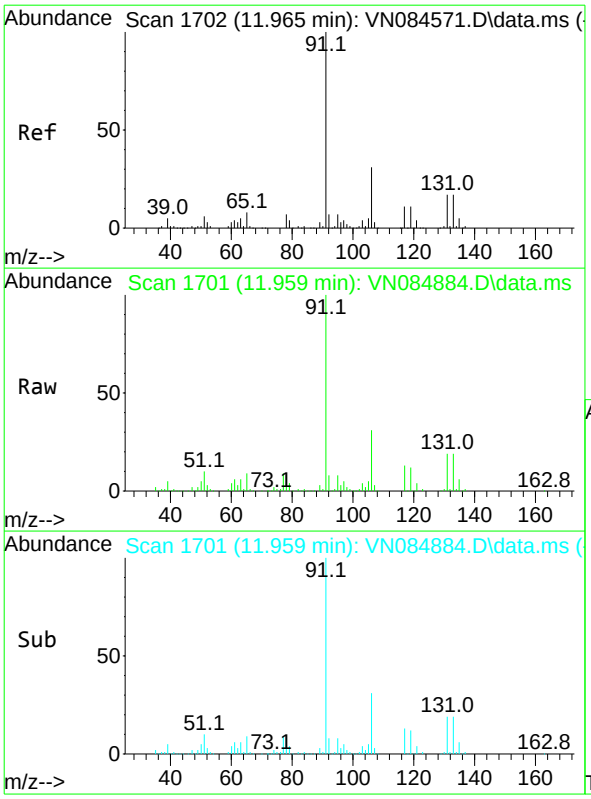


#66
1,1,1,2-Tetrachloroethane
Concen: 59.081 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:131 Resp: 94720

Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.9	143.7
119	62.9	32.8	98.3

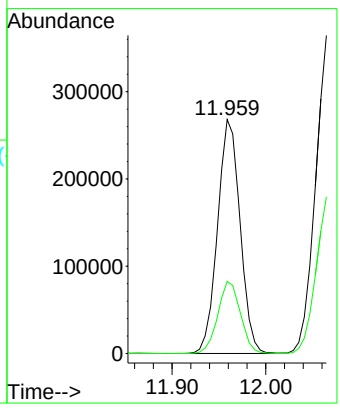




#67
Ethyl Benzene
Concen: 58.194 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 91 Resp: 447730

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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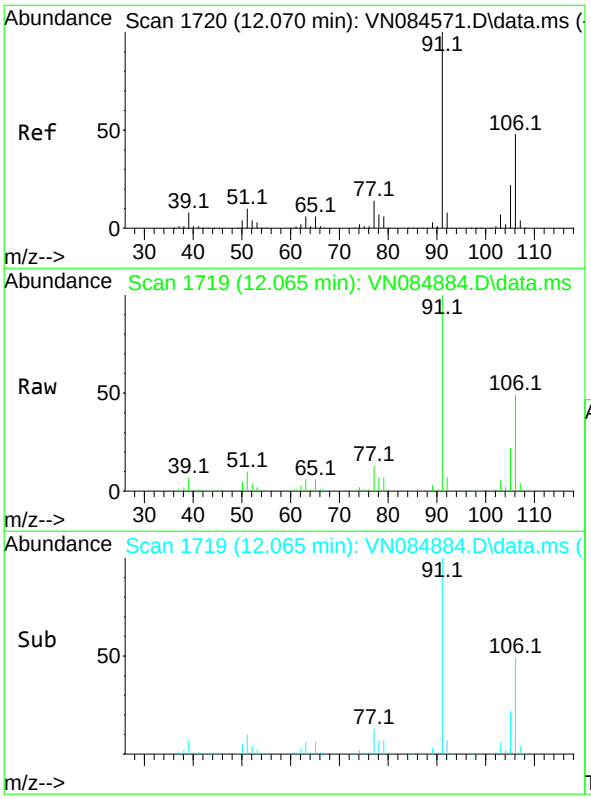
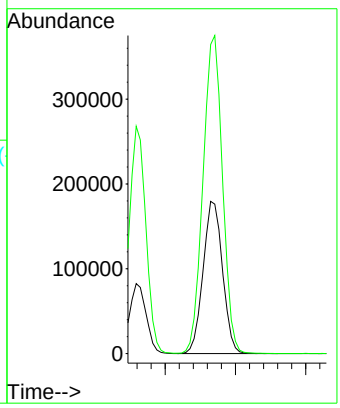
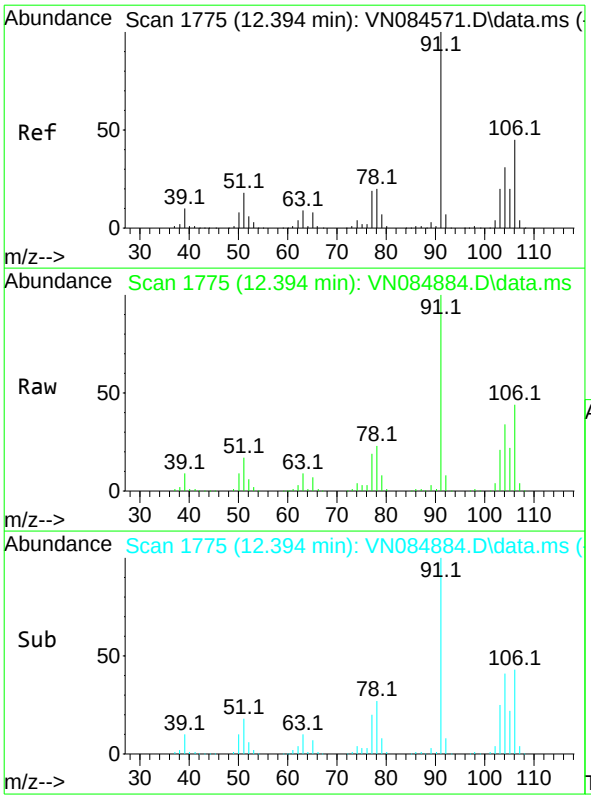


#68
m/p-Xylenes
Concen: 118.244 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:106 Resp: 344419

Ion	Ratio	Lower	Upper
106	100		
91	209.8	167.1	250.7

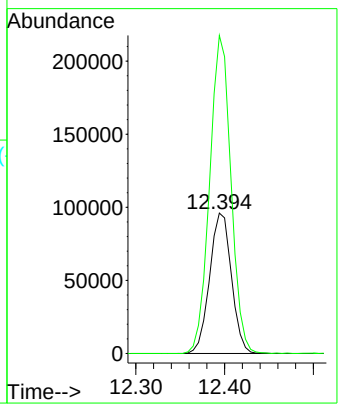




#69
o-Xylene
Concen: 60.076 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:106 Resp: 163698

Ion	Ratio	Lower	Upper
106	100		
91	221.6	110.2	330.6



Instrument :
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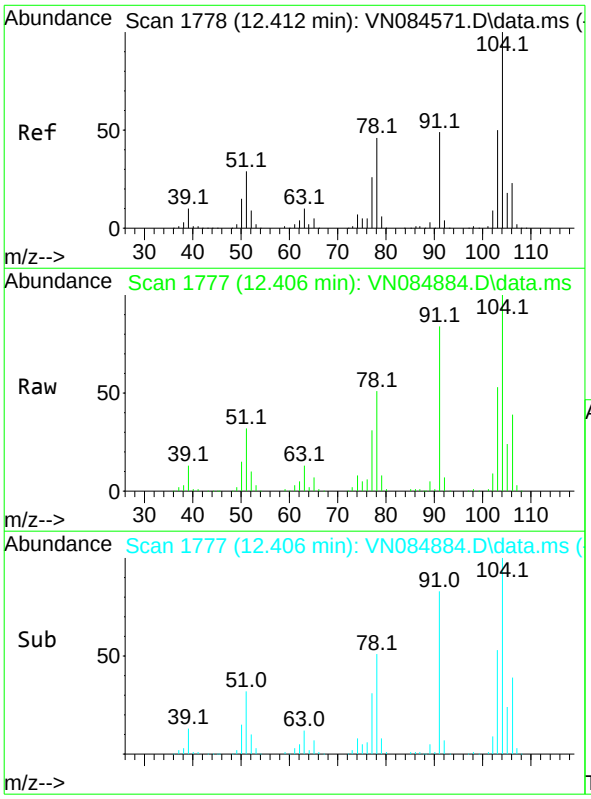
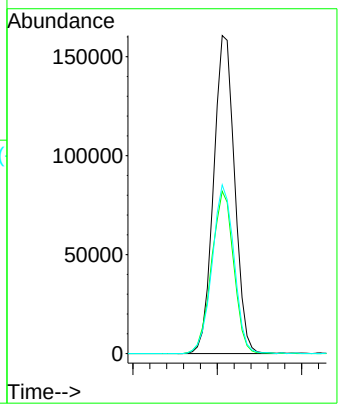
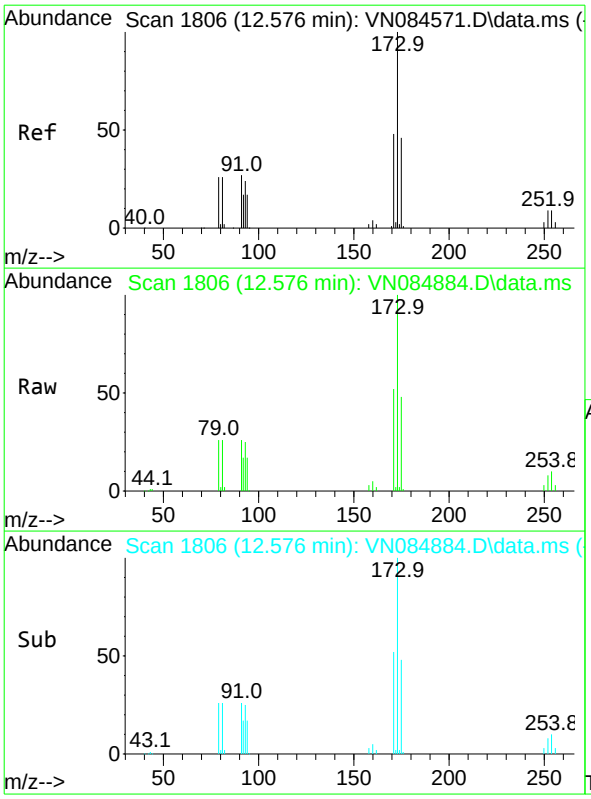


#70
Styrene
Concen: 58.658 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:104 Resp: 278820

Ion	Ratio	Lower	Upper
104	100		
78	53.5	42.7	64.1
103	55.4	43.6	65.4

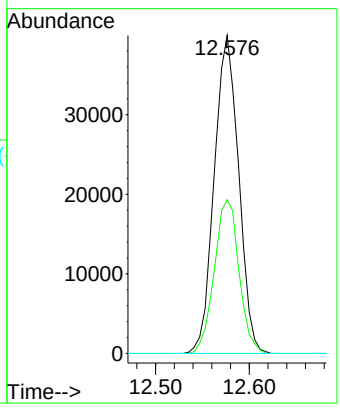




#71
Bromoform
Concen: 59.870 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:173 Resp: 72226

Ion	Ratio	Lower	Upper
173	100		
175	49.0	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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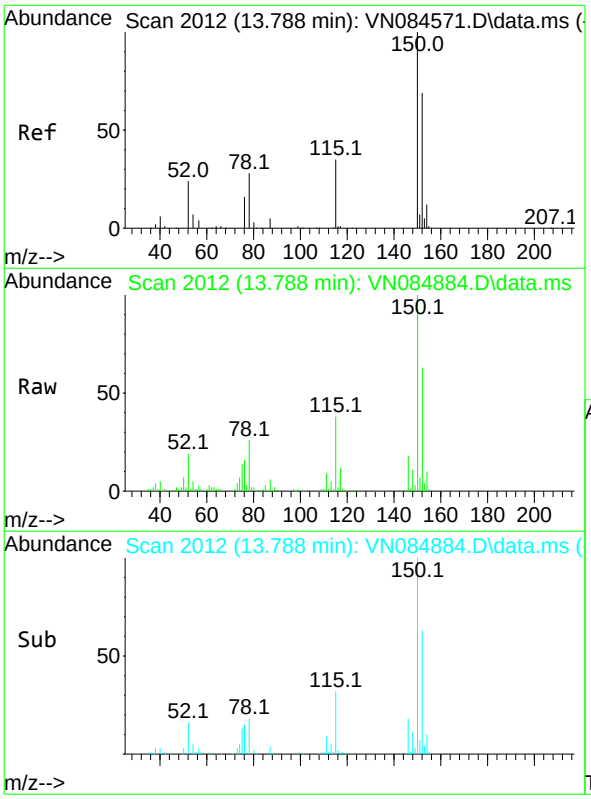
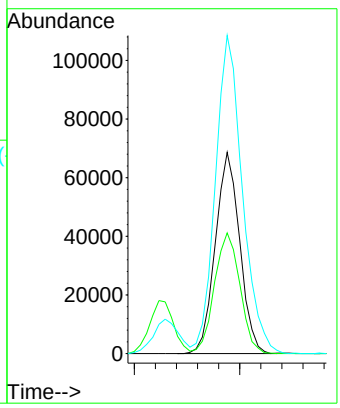
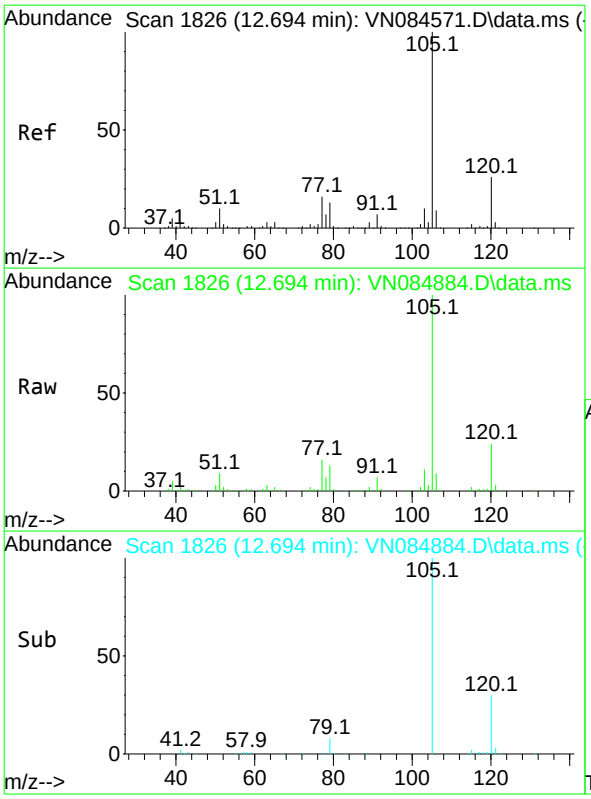


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:152 Resp: 110342

Ion	Ratio	Lower	Upper
152	100		
115	62.6	31.3	93.9
150	175.2	0.0	349.8

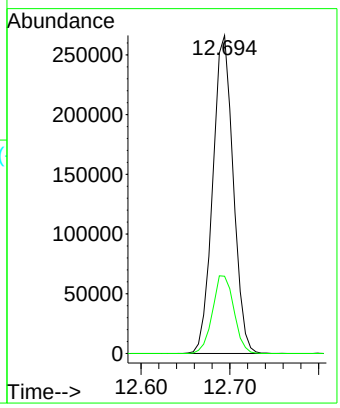




#73
Isopropylbenzene
Concen: 55.067 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:105 Resp: 425803

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
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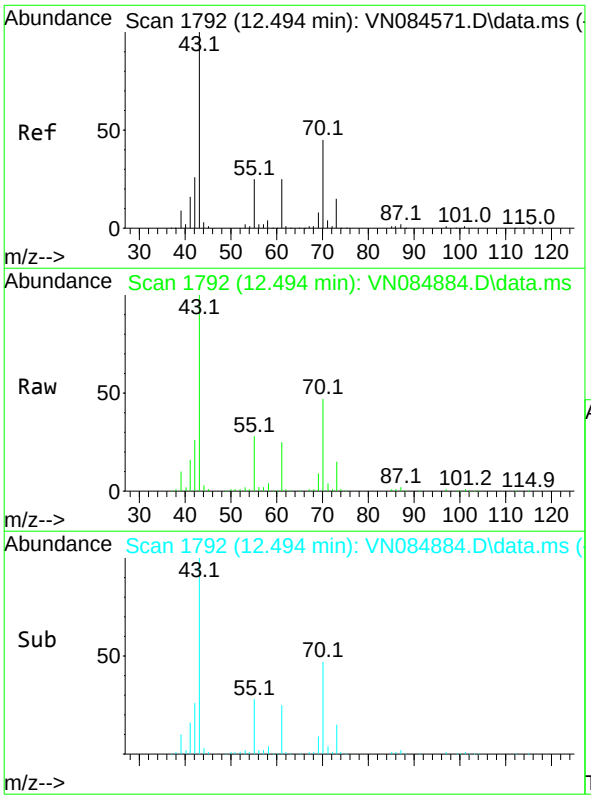
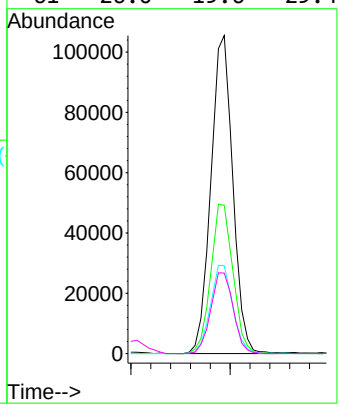
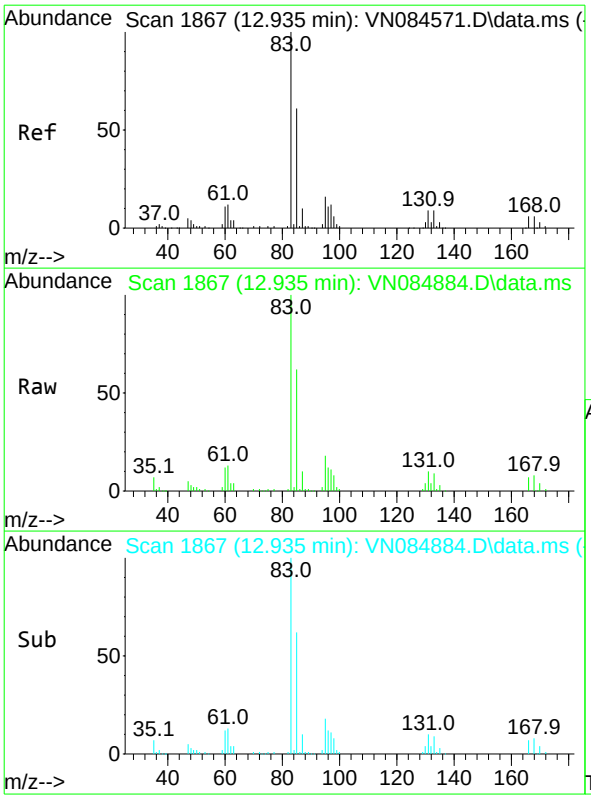


#74
N-amyl acetate
Concen: 49.163 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 43 Resp: 161800

Ion	Ratio	Lower	Upper
43	100		
70	47.5	34.4	51.6
55	28.2	19.6	29.4
61	26.0	19.6	29.4

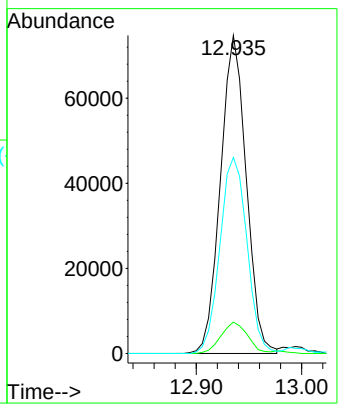




#75
1,1,2,2-Tetrachloroethane
Concen: 49.228 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 83 Resp: 127059

Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.9	14.7
85	64.5	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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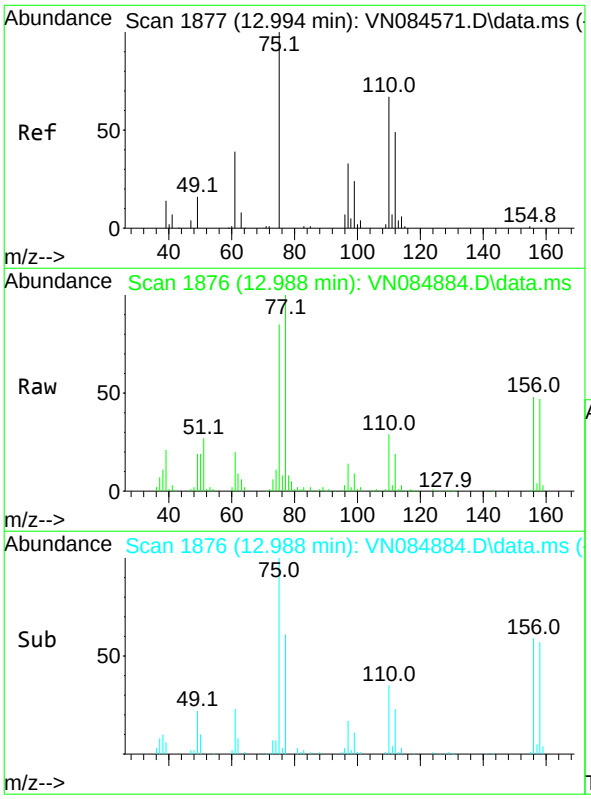
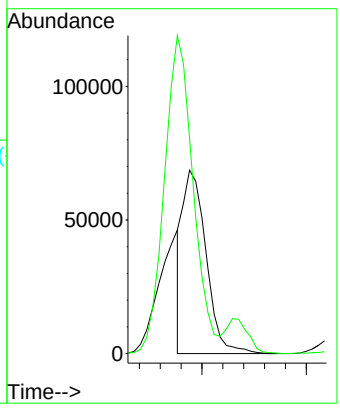
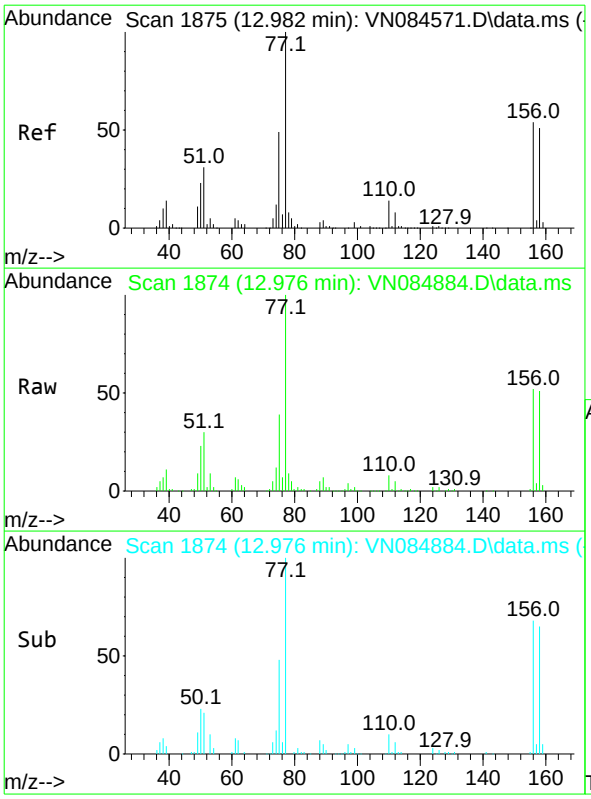


#76
1,2,3-Trichloropropane
Concen: 48.581 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 75 Resp: 107155

Ion	Ratio	Lower	Upper
75	100		
77	213.3	96.9	290.7

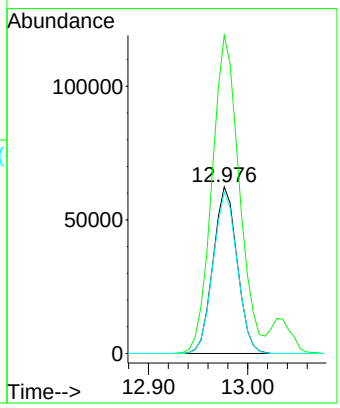




#77
Bromobenzene
Concen: 50.578 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:156 Resp: 105138

Ion	Ratio	Lower	Upper
156	100		
77	217.4	115.1	345.3
158	97.3	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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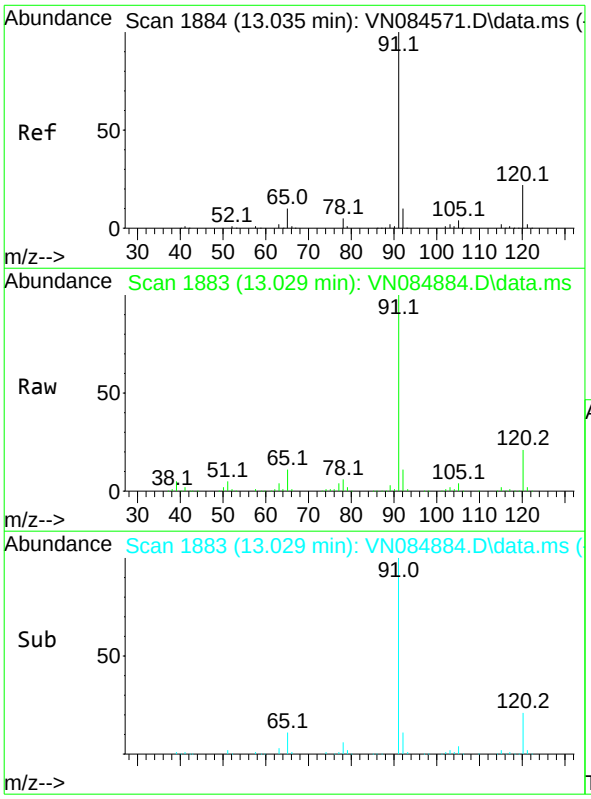
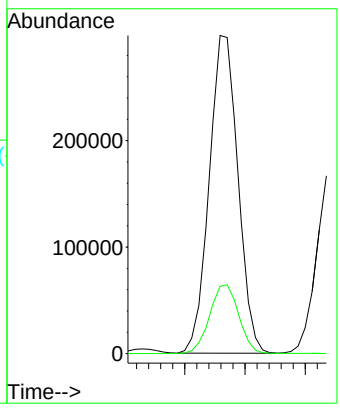
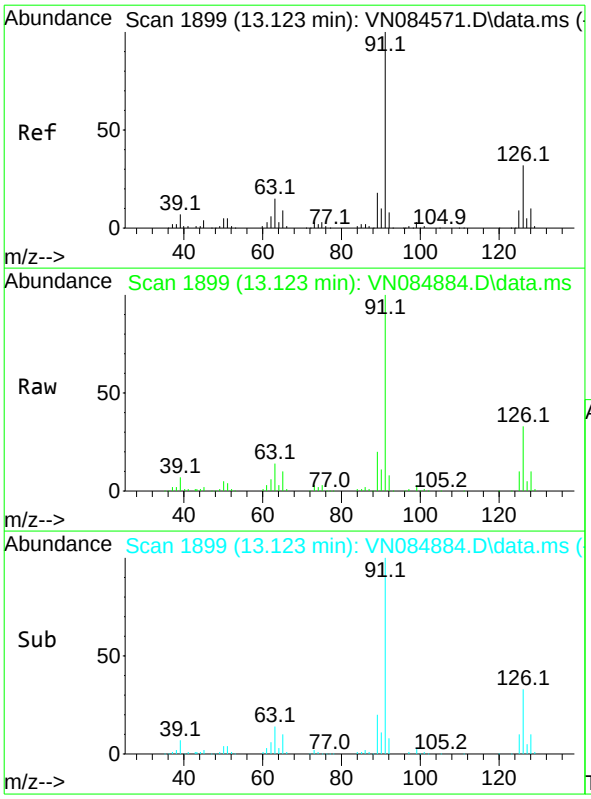


#78
n-propylbenzene
Concen: 54.586 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 91 Resp: 494615

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4

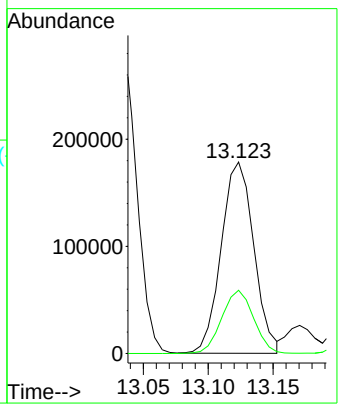




#79
2-Chlorotoluene
Concen: 52.777 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 91 Resp: 312472

Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
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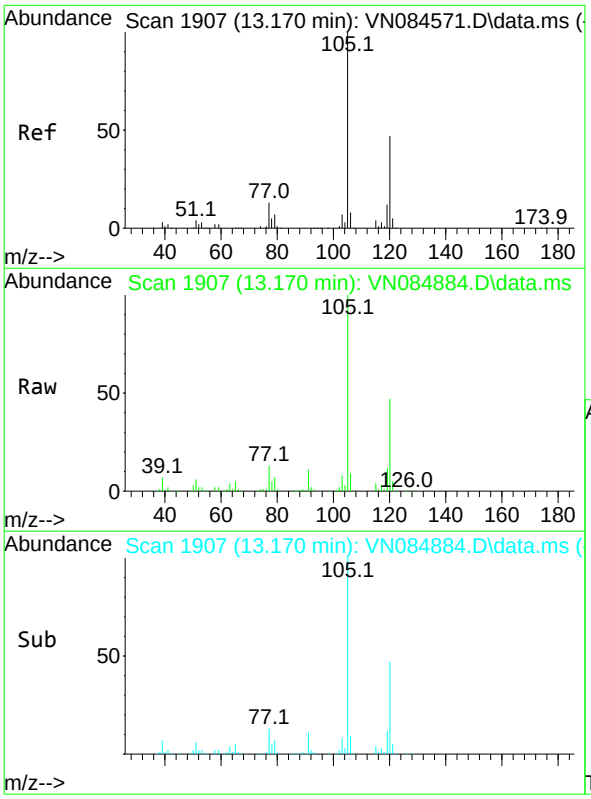
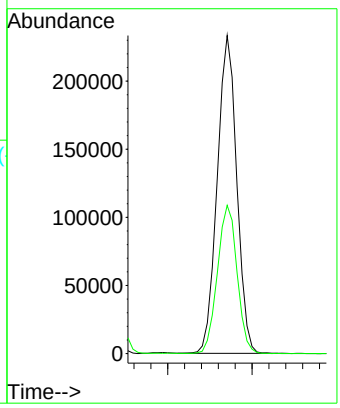
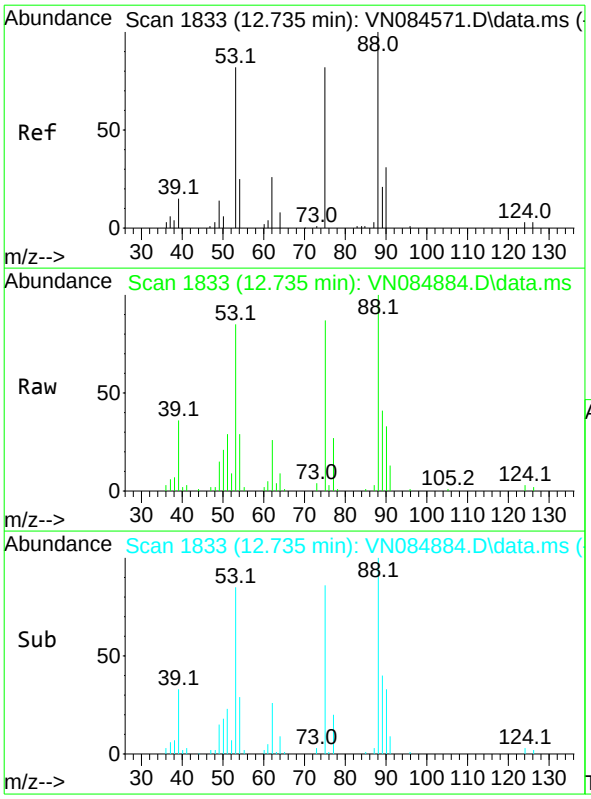


#80
1,3,5-Trimethylbenzene
Concen: 58.547 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:105 Resp: 375218

Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.7	71.1

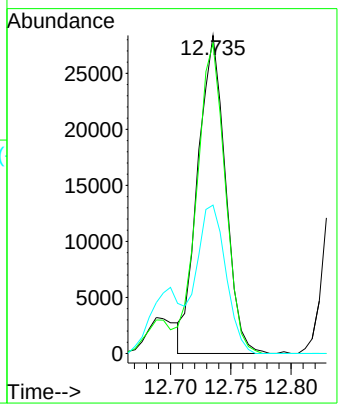




#81
trans-1,4-Dichloro-2-butene
Concen: 48.541 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 75 Resp: 45130

Ion	Ratio	Lower	Upper
75	100		
53	100.5	78.0	117.0
89	48.8	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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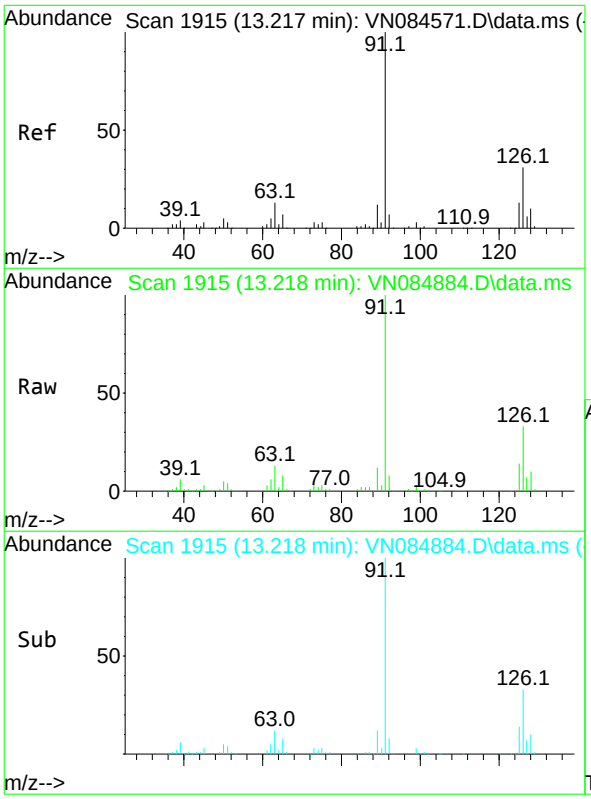
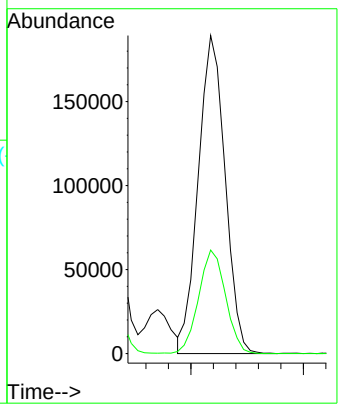
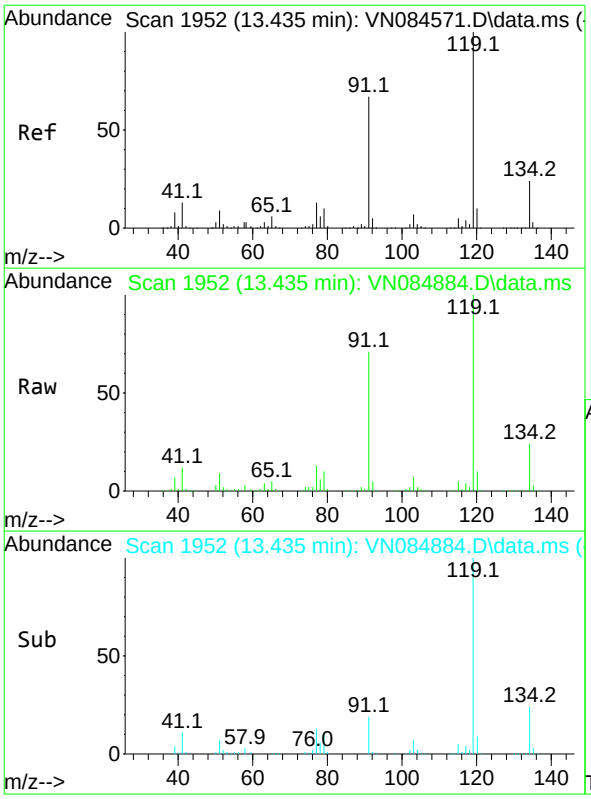


#82
4-Chlorotoluene
Concen: 50.394 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 91 Resp: 313997

Ion	Ratio	Lower	Upper
91	100		
126	32.7	15.7	47.1

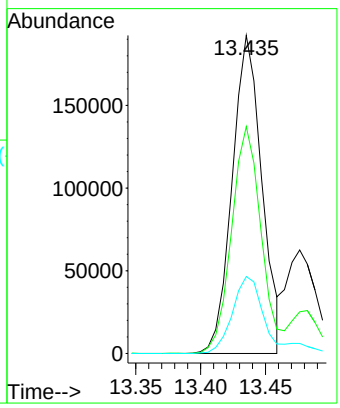




#83
tert-Butylbenzene
Concen: 57.713 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:119 Resp: 306116

Ion	Ratio	Lower	Upper
119	100		
91	71.5	34.1	102.3
134	27.2	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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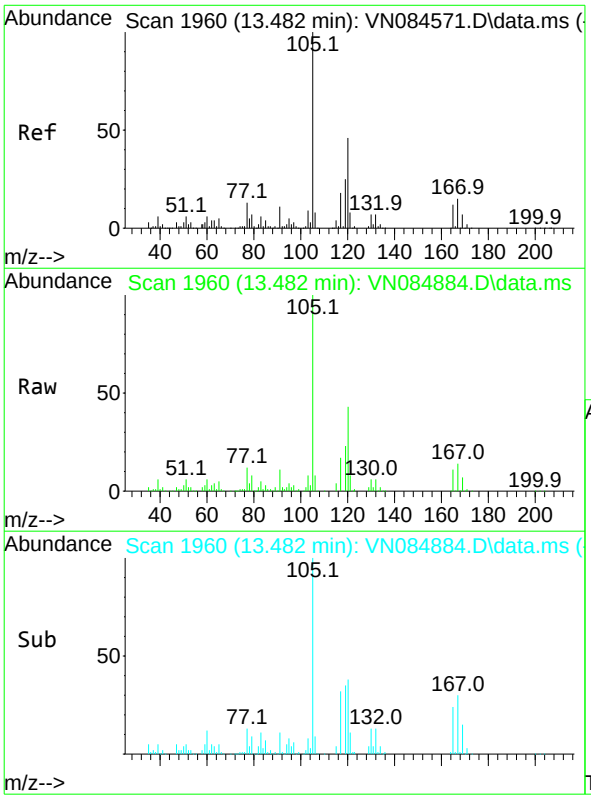
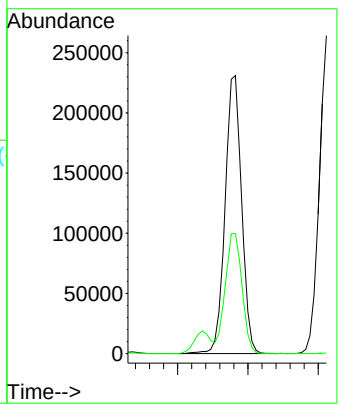
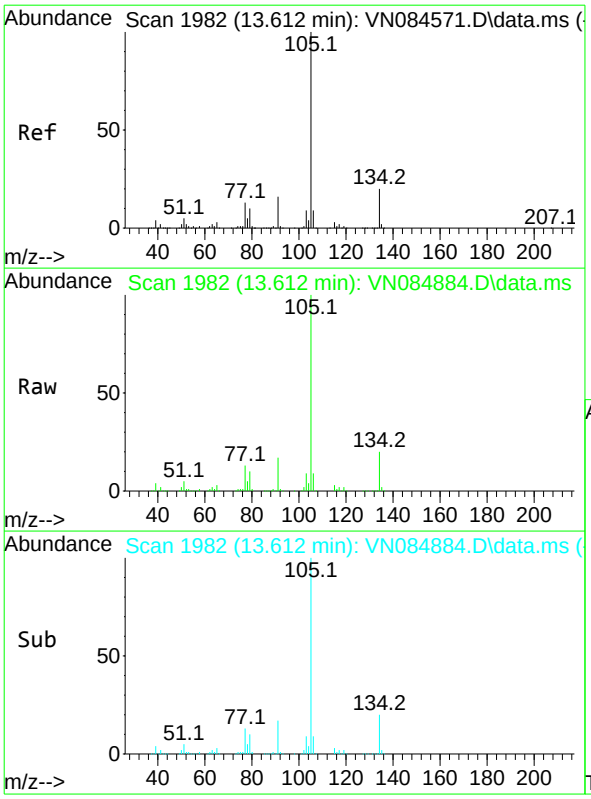


#84
1,2,4-Trimethylbenzene
Concen: 56.979 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:105 Resp: 376891

Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.3	66.8

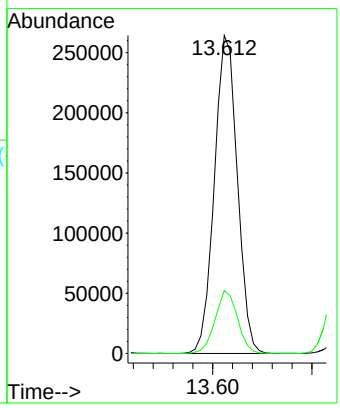




#85
sec-Butylbenzene
Concen: 56.730 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:105 Resp: 425039

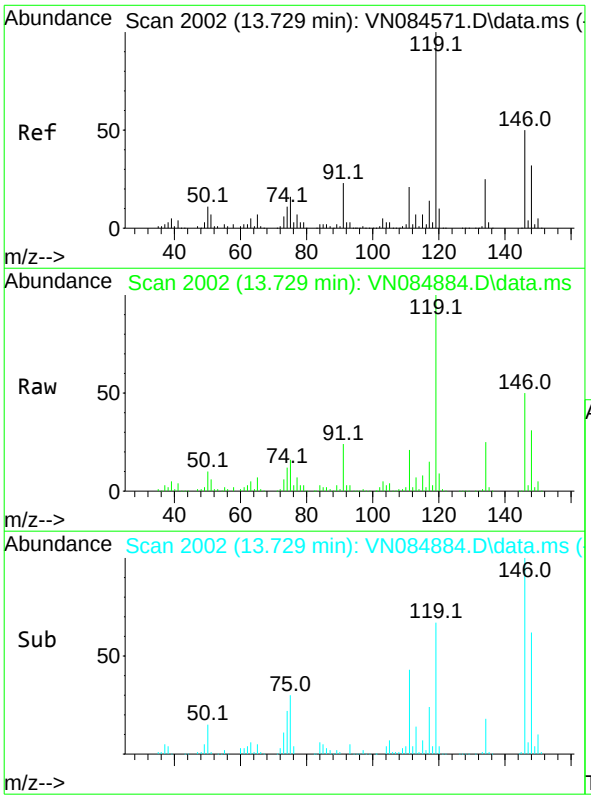
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

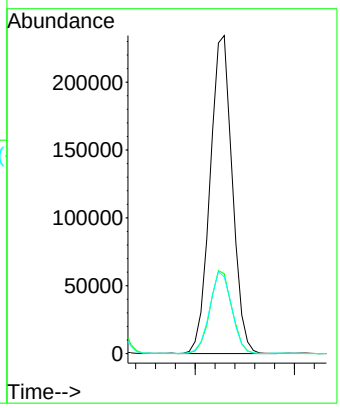
Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

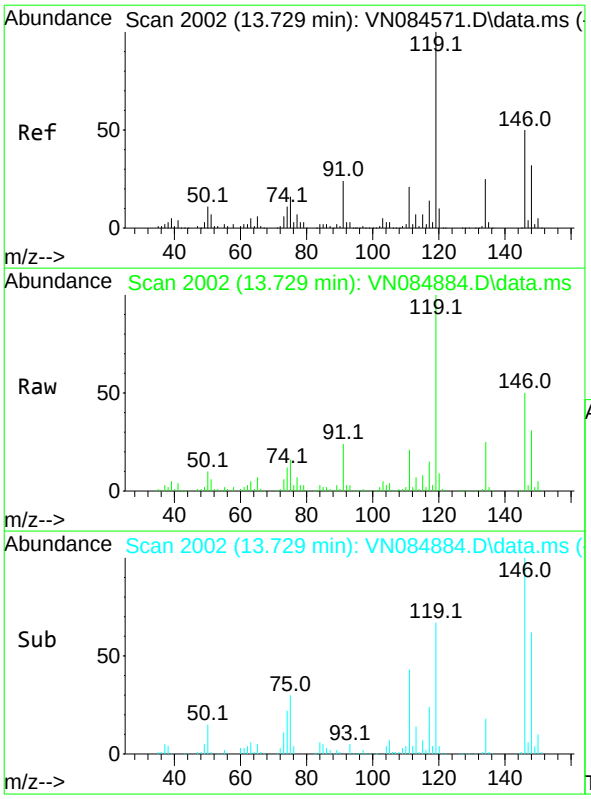


#86
p-Isopropyltoluene
Concen: 59.302 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:119 Resp: 364391

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.6	37.8
91	25.6	12.4	37.2

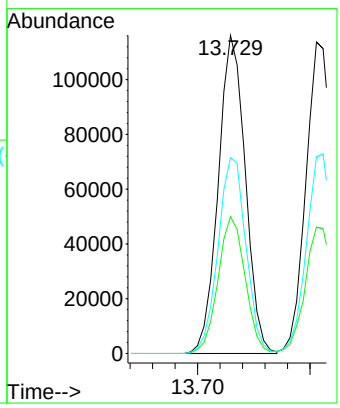




#87
1,3-Dichlorobenzene
Concen: 47.871 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:146 Resp: 194204

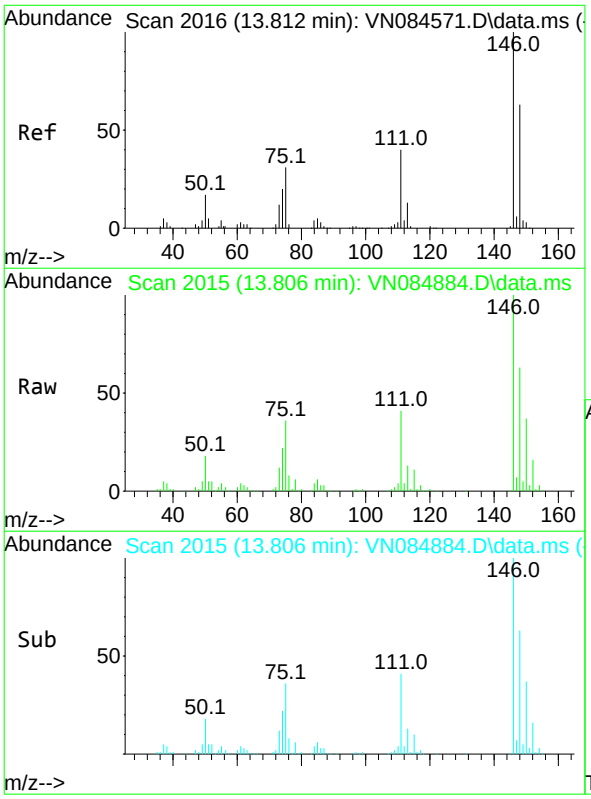
Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.8	65.3
148	63.5	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

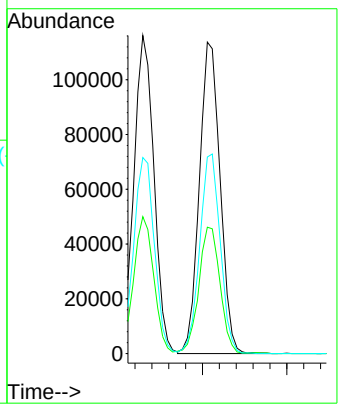
Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

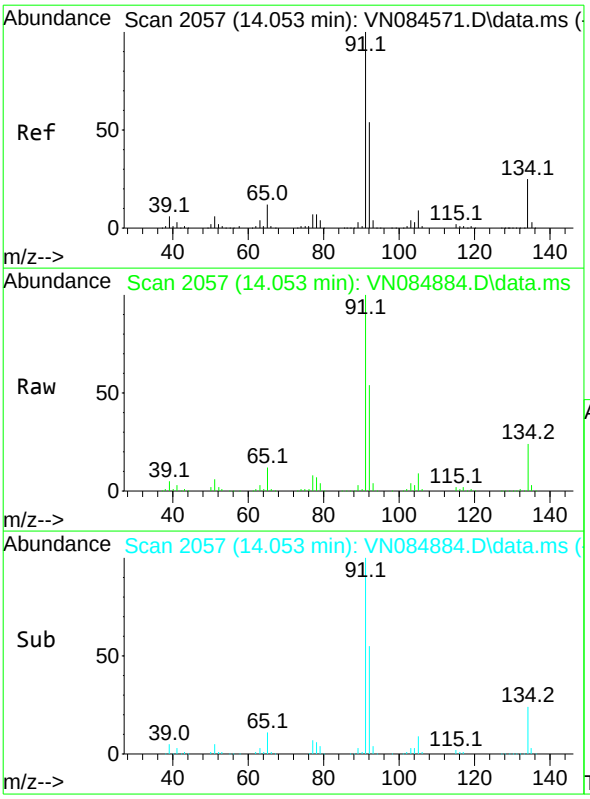


#88
1,4-Dichlorobenzene
Concen: 52.363 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:146 Resp: 194472

Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.2	63.6
148	63.4	31.9	95.9

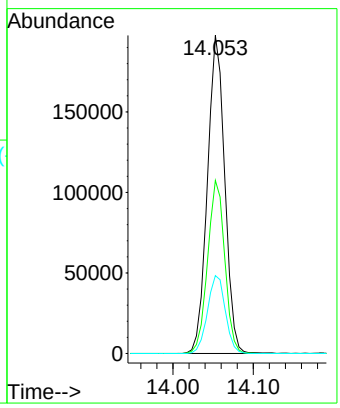




#89
n-Butylbenzene
Concen: 51.538 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 91 Resp: 296231

Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.6	79.7
134	25.1	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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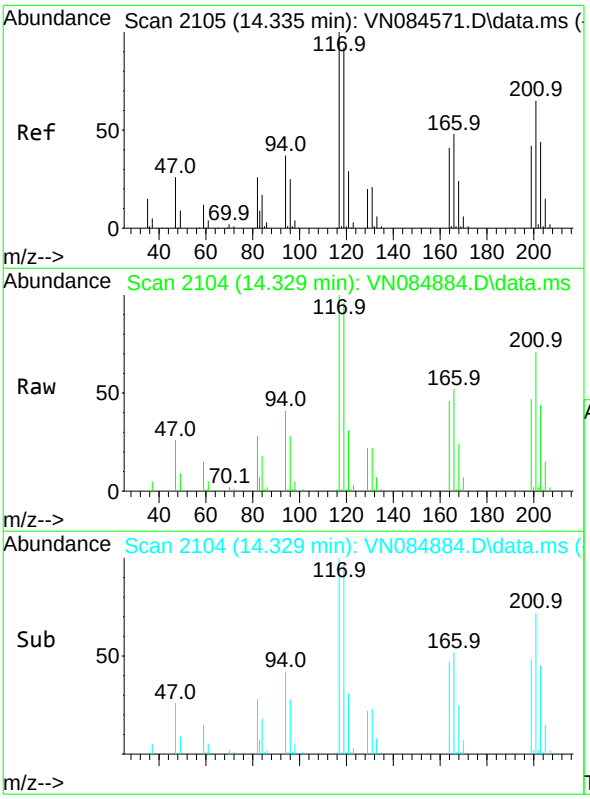
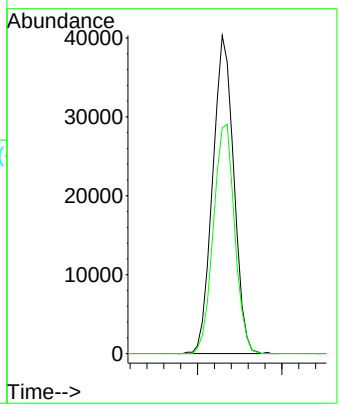
Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

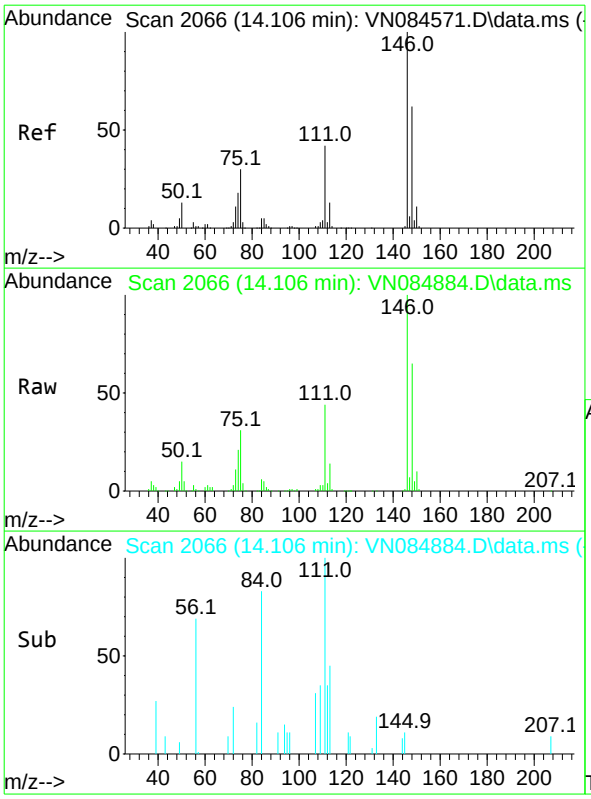


#90
Hexachloroethane
Concen: 51.106 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:117 Resp: 70031

Ion	Ratio	Lower	Upper
117	100		
201	72.7	34.4	103.2

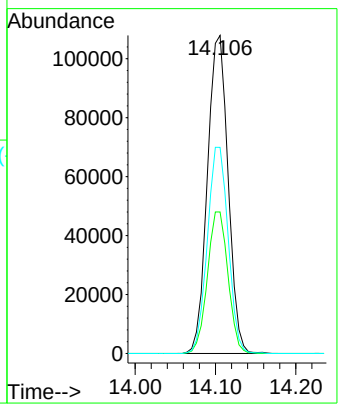




#91
1,2-Dichlorobenzene
Concen: 49.464 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:146 Resp: 192828

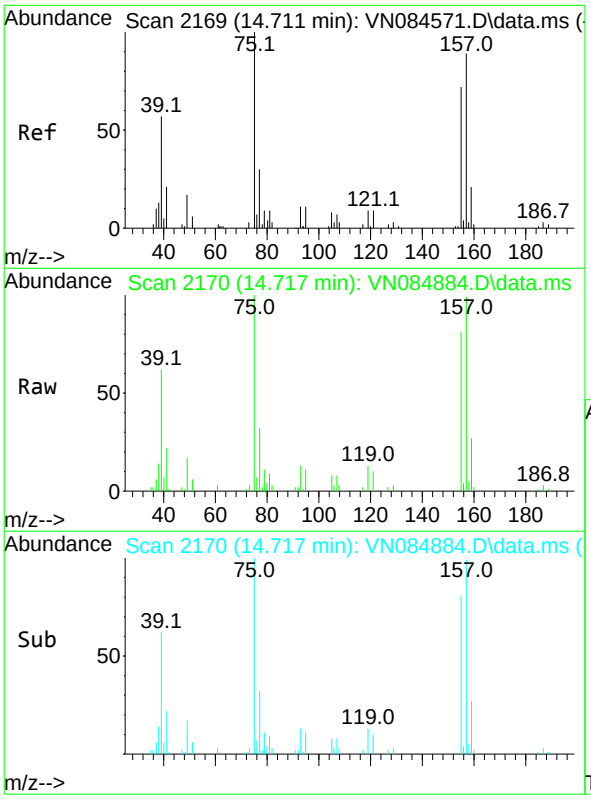
Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.0	66.0
148	65.4	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

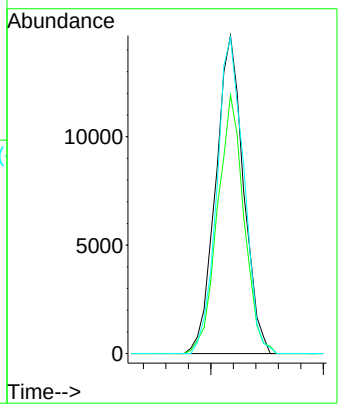
Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

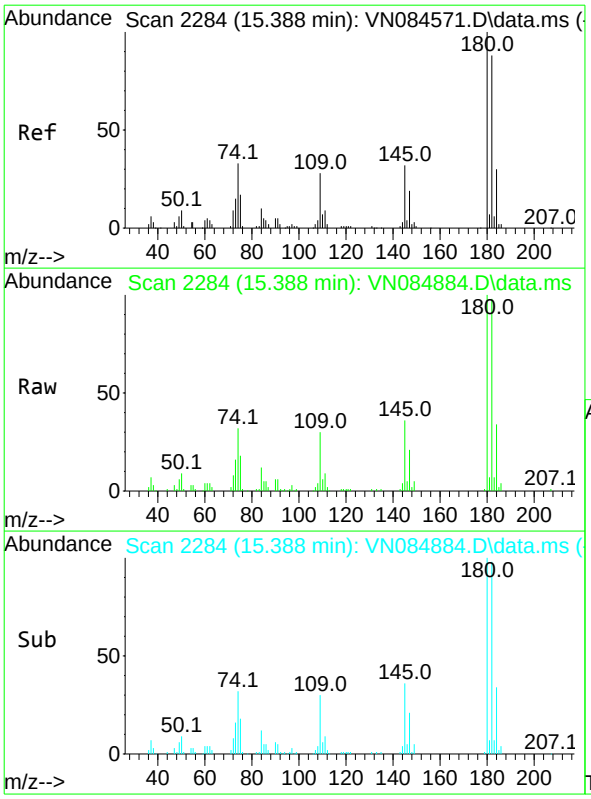


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.992 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 75 Resp: 25094

Ion	Ratio	Lower	Upper
75	100		
155	77.5	38.1	114.5
157	96.2	49.6	149.0





#93
1,2,4-Trichlorobenzene
Concen: 44.613 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

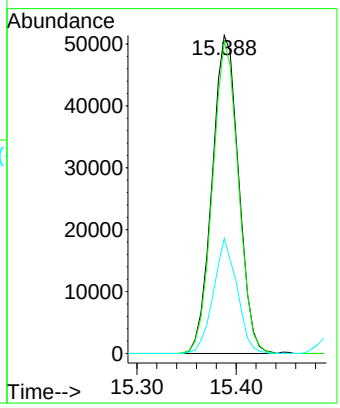
Tgt Ion:180 Resp: 95193

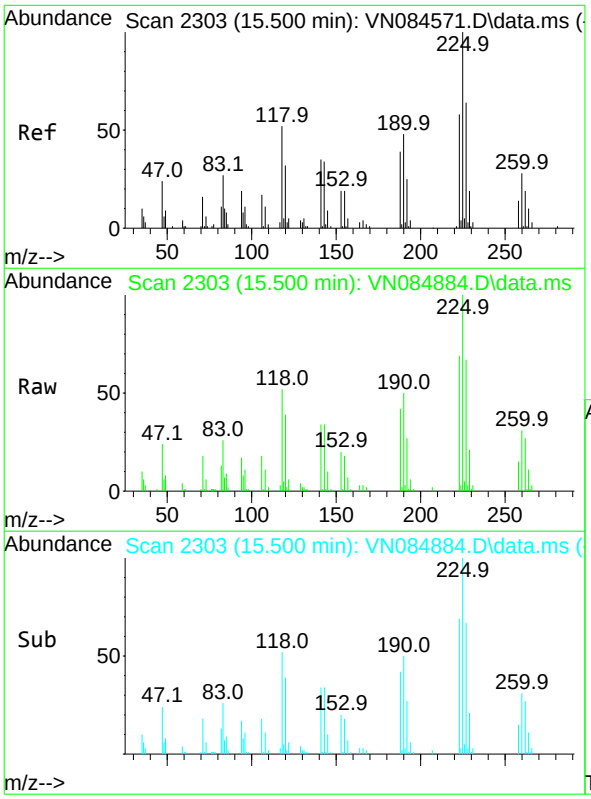
Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.0	141.0
145	32.3	16.4	49.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

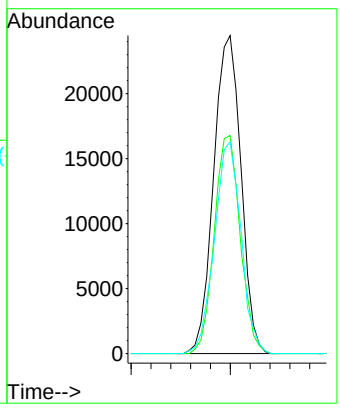


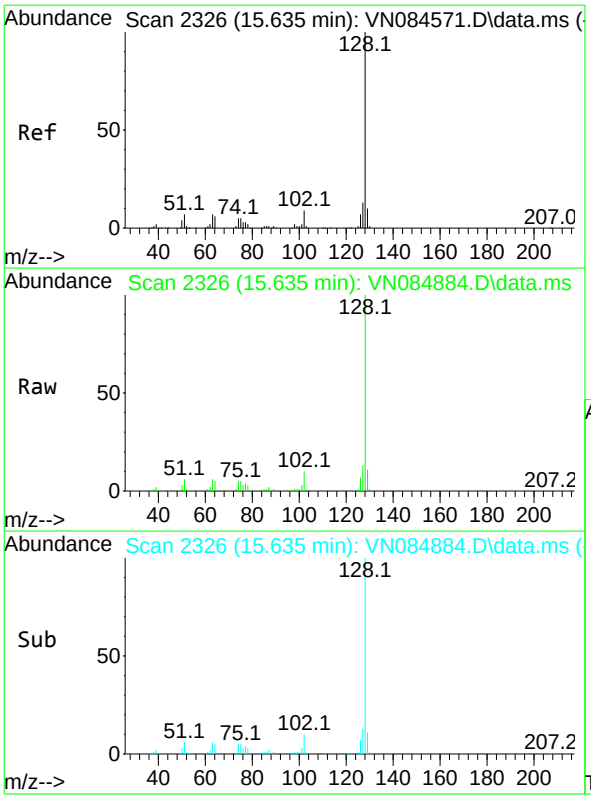


#94
Hexachlorobutadiene
Concen: 49.852 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:225 Resp: 46712

Ion	Ratio	Lower	Upper
225	100		
223	65.3	32.4	97.2
227	64.8	32.4	97.0

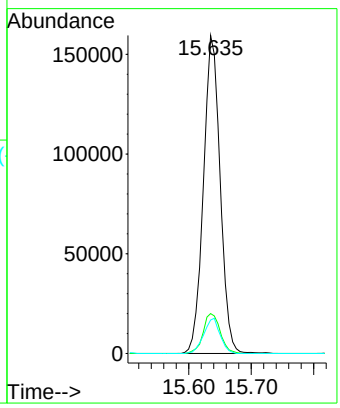




#95
Naphthalene
Concen: 46.460 ug/l
RT: 15.635 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:128 Resp: 296724

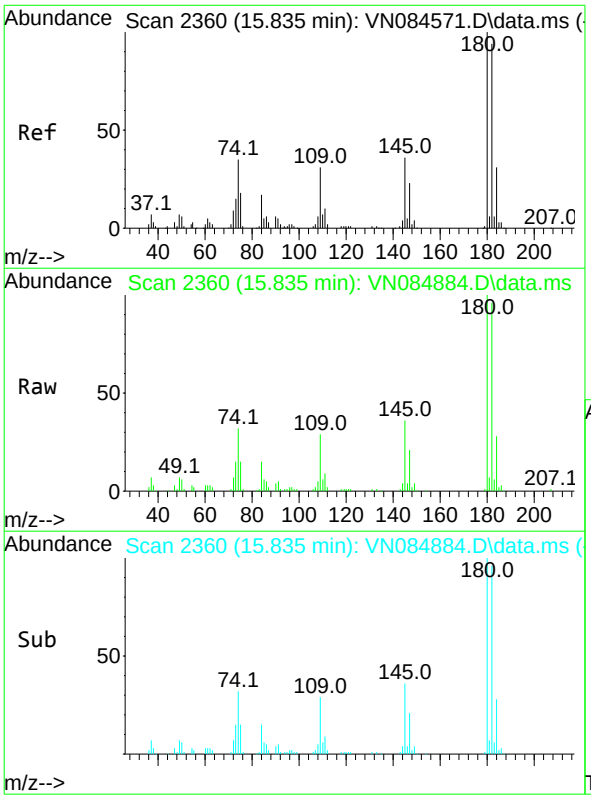
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.8	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

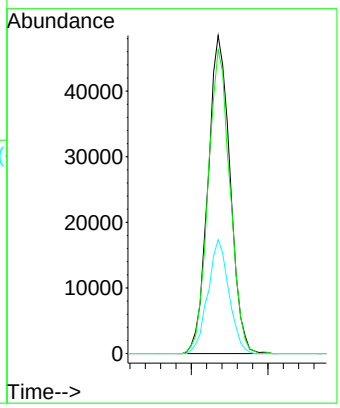
Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024



#96
1,2,3-Trichlorobenzene
Concen: 46.798 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:180 Resp: 96931

Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.2	144.6
145	34.2	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084884.D
Acq On : 17 Nov 2024 10:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 18 00:14:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	79	0.00
2	T	Dichlorodifluoromethane	0.575	0.582	-1.2	83	0.00
3	P	Chloromethane	0.952	0.716	24.8	84	0.00
4	C	Vinyl Chloride	0.618	0.713	-15.4#	93	0.00
5	T	Bromomethane	0.328	0.382	-16.5	102	-0.05
6	T	Chloroethane	0.488	0.465	4.7	97	-0.04
7	T	Trichlorofluoromethane	1.018	1.239	-21.7	102	-0.02
8	T	Diethyl Ether	0.359	0.370	-3.1	83	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.575	0.629	-9.4	89	-0.01
10	T	Methyl Iodide	0.769	0.846	-10.0	91	-0.02
11	T	Tert butyl alcohol	0.095	0.089	6.3	82	0.02
12	CM	1,1-Dichloroethene	0.569	0.577	-1.4#	84	-0.01
13	T	Acrolein	0.095	0.087	8.4	78	0.00
14	T	Allyl chloride	0.923	0.897	2.8	77	0.00
15	T	Acrylonitrile	0.276	0.286	-3.6	83	0.00
16	T	Acetone	0.238	0.207	13.0	80	0.00
17	T	Carbon Disulfide	1.753	1.563	10.8	77	-0.01
18	T	Methyl Acetate	1.172	0.696	40.6#	73	0.00
19	T	Methyl tert-butyl Ether	1.745	1.939	-11.1	87	0.00
20	T	Methylene Chloride	0.635	0.653	-2.8	86	0.00
21	T	trans-1,2-Dichloroethene	0.585	0.597	-2.1	84	-0.01
22	T	Diisopropyl ether	1.835	1.864	-1.6	79	0.00
23	T	Vinyl Acetate	1.265	1.362	-7.7	83	0.00
24	P	1,1-Dichloroethane	1.102	1.155	-4.8	85	-0.01
25	T	2-Butanone	0.337	0.347	-3.0	87	0.00
26	T	2,2-Dichloropropane	0.959	1.098	-14.5	92	0.00
27	T	cis-1,2-Dichloroethene	0.683	0.718	-5.1	86	0.00
28	T	Bromochloromethane	0.439	0.430	2.1	66	0.00
29	T	Tetrahydrofuran	0.224	0.226	-0.9	80	0.00
30	C	Chloroform	1.121	1.236	-10.3#	90	0.00
31	T	Cyclohexane	0.997	0.963	3.4	81	0.00
32	T	1,1,1-Trichloroethane	1.021	1.135	-11.2	90	0.00
33	S	1,2-Dichloroethane-d4	0.722	0.711	1.5	78	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	75	0.00
35	S	Dibromofluoromethane	0.338	0.346	-2.4	76	0.00
36	T	1,1-Dichloropropene	0.469	0.516	-10.0	86	0.00
37	T	Ethyl Acetate	0.426	0.457	-7.3	81	0.00
38	T	Carbon Tetrachloride	0.525	0.640	-21.9	93	0.00
39	T	Methylcyclohexane	0.478	0.568	-18.8	84	0.00
40	TM	Benzene	1.507	1.653	-9.7	86	0.00
41	T	Methacrylonitrile	0.229	0.256	-11.8	78	0.00
42	TM	1,2-Dichloroethane	0.488	0.557	-14.1	85	0.00
43	T	Isopropyl Acetate	0.927	0.852	8.1	85	0.00
44	TM	Trichloroethene	0.348	0.382	-9.8	85	0.00
45	C	1,2-Dichloropropane	0.354	0.394	-11.3#	85	0.00
46	T	Dibromomethane	0.250	0.282	-12.8	87	0.00
47	T	Bromodichloromethane	0.526	0.603	-14.6	87	0.00
48	T	Methyl methacrylate	0.331	0.370	-11.8	80	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084884.D
Acq On : 17 Nov 2024 10:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 18 00:14:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.006	0.0	78	0.00
50	S	Toluene-d8	1.247	1.275	-2.2	73	0.00
51	T	4-Methyl-2-Pentanone	0.406	0.460	-13.3	82	0.00
52	CM	Toluene	0.882	1.025	-16.2#	86	0.00
53	T	t-1,3-Dichloropropene	0.544	0.596	-9.6	82	0.00
54	T	cis-1,3-Dichloropropene	0.576	0.653	-13.4	84	0.00
55	T	1,1,2-Trichloroethane	0.332	0.383	-15.4	87	0.00
56	T	Ethyl methacrylate	0.480	0.581	-21.0	81	0.00
57	T	1,3-Dichloropropane	0.570	0.644	-13.0	86	0.00
58	T	2-Chloroethyl Vinyl ether	0.225	0.278	-23.6	80	0.00
59	T	2-Hexanone	0.296	0.352	-18.9	85	0.00
60	T	Dibromochloromethane	0.378	0.461	-22.0	88	0.00
61	T	1,2-Dibromoethane	0.340	0.377	-10.9	85	0.00
62	S	4-Bromofluorobenzene	0.466	0.493	-5.8	75	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	74	0.00
64	T	Tetrachloroethene	0.333	0.380	-14.1	90	0.00
65	PM	Chlorobenzene	1.119	1.213	-8.4	84	0.00
66	T	1,1,1,2-Tetrachloroethane	0.389	0.460	-18.3	90	0.00
67	C	Ethyl Benzene	1.867	2.173	-16.4#	85	0.00
68	T	m/p-Xylenes	0.707	0.836	-18.2	85	0.00
69	T	o-Xylene	0.661	0.795	-20.3	85	0.00
70	T	Styrene	1.154	1.353	-17.2	83	0.00
71	P	Bromoform	0.293	0.351	-19.8	88	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	80	0.00
73	T	Isopropylbenzene	3.504	3.859	-10.1	86	0.00
74	T	N-amyl acetate	1.491	1.466	1.7	77	0.00
75	P	1,1,2,2-Tetrachloroethane	1.170	1.152	1.5	86	0.00
76	T	1,2,3-Trichloropropane	0.999	0.971	2.8	87	0.00
77	T	Bromobenzene	0.942	0.953	-1.2	86	0.00
78	T	n-propylbenzene	4.106	4.483	-9.2	84	0.00
79	T	2-Chlorotoluene	2.683	2.832	-5.6	86	0.00
80	T	1,3,5-Trimethylbenzene	2.904	3.401	-17.1	88	0.00
81	T	trans-1,4-Dichloro-2-butene	0.421	0.409	2.9	81	0.00
82	T	4-Chlorotoluene	2.823	2.846	-0.8	84	0.00
83	T	tert-Butylbenzene	2.403	2.774	-15.4	87	0.00
84	T	1,2,4-Trimethylbenzene	2.997	3.416	-14.0	87	0.00
85	T	sec-Butylbenzene	3.395	3.852	-13.5	87	0.00
86	T	p-Isopropyltoluene	2.784	3.302	-18.6	86	0.00
87	T	1,3-Dichlorobenzene	1.838	1.760	4.2	84	0.00
88	T	1,4-Dichlorobenzene	1.937	1.762	9.0	84	0.00
89	T	n-Butylbenzene	2.605	2.685	-3.1	82	0.00
90	T	Hexachloroethane	0.621	0.635	-2.3	86	0.00
91	T	1,2-Dichlorobenzene	1.766	1.748	1.0	86	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.227	4.2	84	0.00
93	T	1,2,4-Trichlorobenzene	0.967	0.863	10.8	80	0.00
94	T	Hexachlorobutadiene	0.425	0.423	0.5	92	0.00
95	T	Naphthalene	2.894	2.689	7.1	77	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084884.D
Acq On : 17 Nov 2024 10:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 18 00:14:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.939	0.878	6.5	83	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084884.D
Acq On : 17 Nov 2024 10:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 18 00:14:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	79	0.00
2	T	Dichlorodifluoromethane	50.000	50.662	-1.3	83	0.00
3	P	Chloromethane	50.000	53.234	-6.5	84	0.00
4	C	Vinyl Chloride	50.000	57.670	-15.3#	93	0.00
5	T	Bromomethane	50.000	58.290	-16.6	102	-0.05
6	T	Chloroethane	50.000	61.006	-22.0	97	-0.04
7	T	Trichlorofluoromethane	50.000	60.822	-21.6	102	-0.02
8	T	Diethyl Ether	50.000	51.530	-3.1	83	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	54.630	-9.3	89	-0.01
10	T	Methyl Iodide	50.000	54.974	-9.9	91	-0.02
11	T	Tert butyl alcohol	250.000	234.440	6.2	82	0.02
12	CM	1,1-Dichloroethene	50.000	50.629	-1.3#	84	-0.01
13	T	Acrolein	250.000	228.835	8.5	78	0.00
14	T	Allyl chloride	50.000	48.579	2.8	77	0.00
15	T	Acrylonitrile	250.000	259.437	-3.8	83	0.00
16	T	Acetone	250.000	247.834	0.9	80	0.00
17	T	Carbon Disulfide	50.000	44.563	10.9	77	-0.01
18	T	Methyl Acetate	50.000	45.324	9.4	73	0.00
19	T	Methyl tert-butyl Ether	50.000	55.561	-11.1	87	0.00
20	T	Methylene Chloride	50.000	51.441	-2.9	86	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.015	-2.0	84	-0.01
22	T	Diisopropyl ether	50.000	50.803	-1.6	79	0.00
23	T	Vinyl Acetate	250.000	269.164	-7.7	83	0.00
24	P	1,1-Dichloroethane	50.000	52.446	-4.9	85	-0.01
25	T	2-Butanone	250.000	257.834	-3.1	87	0.00
26	T	2,2-Dichloropropane	50.000	57.282	-14.6	92	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.601	-5.2	86	0.00
28	T	Bromochloromethane	50.000	49.031	1.9	66	0.00
29	T	Tetrahydrofuran	250.000	252.727	-1.1	80	0.00
30	C	Chloroform	50.000	55.114	-10.2#	90	0.00
31	T	Cyclohexane	50.000	48.309	3.4	81	0.00
32	T	1,1,1-Trichloroethane	50.000	55.610	-11.2	90	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.195	1.6	78	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	75	0.00
35	S	Dibromofluoromethane	50.000	51.105	-2.2	76	0.00
36	T	1,1-Dichloropropene	50.000	54.955	-9.9	86	0.00
37	T	Ethyl Acetate	50.000	53.709	-7.4	81	0.00
38	T	Carbon Tetrachloride	50.000	61.018	-22.0	93	0.00
39	T	Methylcyclohexane	50.000	59.477	-19.0	84	0.00
40	TM	Benzene	50.000	54.816	-9.6	86	0.00
41	T	Methacrylonitrile	50.000	55.808	-11.6	78	0.00
42	TM	1,2-Dichloroethane	50.000	57.008	-14.0	85	0.00
43	T	Isopropyl Acetate	50.000	54.197	-8.4	85	0.00
44	TM	Trichloroethene	50.000	54.883	-9.8	85	0.00
45	C	1,2-Dichloropropane	50.000	55.722	-11.4#	85	0.00
46	T	Dibromomethane	50.000	56.468	-12.9	87	0.00
47	T	Bromodichloromethane	50.000	57.355	-14.7	87	0.00
48	T	Methyl methacrylate	50.000	55.834	-11.7	80	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084884.D
Acq On : 17 Nov 2024 10:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 18 00:14:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1071.216	-7.1	78	0.00
50	S	Toluene-d8	50.000	51.130	-2.3	73	0.00
51	T	4-Methyl-2-Pentanone	250.000	283.555	-13.4	82	0.00
52	CM	Toluene	50.000	58.161	-16.3#	86	0.00
53	T	t-1,3-Dichloropropene	50.000	54.758	-9.5	82	0.00
54	T	cis-1,3-Dichloropropene	50.000	56.641	-13.3	84	0.00
55	T	1,1,2-Trichloroethane	50.000	57.678	-15.4	87	0.00
56	T	Ethyl methacrylate	50.000	60.488	-21.0	81	0.00
57	T	1,3-Dichloropropane	50.000	56.495	-13.0	86	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	308.972	-23.6	80	0.00
59	T	2-Hexanone	250.000	297.467	-19.0	85	0.00
60	T	Dibromochloromethane	50.000	60.967	-21.9	88	0.00
61	T	1,2-Dibromoethane	50.000	55.412	-10.8	85	0.00
62	S	4-Bromofluorobenzene	50.000	52.881	-5.8	75	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	74	0.00
64	T	Tetrachloroethene	50.000	57.166	-14.3	90	0.00
65	PM	Chlorobenzene	50.000	54.214	-8.4	84	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	59.081	-18.2	90	0.00
67	C	Ethyl Benzene	50.000	58.194	-16.4#	85	0.00
68	T	m/p-Xylenes	100.000	118.244	-18.2	85	0.00
69	T	o-Xylene	50.000	60.076	-20.2	85	0.00
70	T	Styrene	50.000	58.658	-17.3	83	0.00
71	P	Bromoform	50.000	59.870	-19.7	88	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	80	0.00
73	T	Isopropylbenzene	50.000	55.067	-10.1	86	0.00
74	T	N-amyl acetate	50.000	49.163	1.7	77	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.228	1.5	86	0.00
76	T	1,2,3-Trichloropropane	50.000	48.581	2.8	87	0.00
77	T	Bromobenzene	50.000	50.578	-1.2	86	0.00
78	T	n-propylbenzene	50.000	54.586	-9.2	84	0.00
79	T	2-Chlorotoluene	50.000	52.777	-5.6	86	0.00
80	T	1,3,5-Trimethylbenzene	50.000	58.547	-17.1	88	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	48.541	2.9	81	0.00
82	T	4-Chlorotoluene	50.000	50.394	-0.8	84	0.00
83	T	tert-Butylbenzene	50.000	57.713	-15.4	87	0.00
84	T	1,2,4-Trimethylbenzene	50.000	56.979	-14.0	87	0.00
85	T	sec-Butylbenzene	50.000	56.730	-13.5	87	0.00
86	T	p-Isopropyltoluene	50.000	59.302	-18.6	86	0.00
87	T	1,3-Dichlorobenzene	50.000	47.871	4.3	84	0.00
88	T	1,4-Dichlorobenzene	50.000	52.363	-4.7	84	0.00
89	T	n-Butylbenzene	50.000	51.538	-3.1	82	0.00
90	T	Hexachloroethane	50.000	51.106	-2.2	86	0.00
91	T	1,2-Dichlorobenzene	50.000	49.464	1.1	86	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	47.992	4.0	84	0.00
93	T	1,2,4-Trichlorobenzene	50.000	44.613	10.8	80	0.00
94	T	Hexachlorobutadiene	50.000	49.852	0.3	92	0.00
95	T	Naphthalene	50.000	46.460	7.1	77	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084884.D
Acq On : 17 Nov 2024 10:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 18 00:14:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	46.798	6.4	83	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG No.: P4845

Instrument ID: MSVOA_N Calibration Date/Time: 11/17/2024 20:49

Lab File ID: VN084909.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.575	0.549		-4.52	50
Chloromethane	0.952	0.670	0.1	-29.62	50
Vinyl Chloride	0.618	0.671		8.58	50
Bromomethane	0.328	0.372		13.41	50
Chloroethane	0.488	0.444		-9.02	50
Trichlorofluoromethane	1.018	1.154		13.36	50
1,1,2-Trichlorotrifluoroethane	0.575	0.579		0.7	50
1,1-Dichloroethene	0.569	0.547		-3.87	50
Acetone	0.238	0.234		-1.68	50
Carbon Disulfide	1.753	1.506		-14.09	50
Methyl tert-butyl Ether	1.745	1.915		9.74	50
Methyl Acetate	1.172	0.735		-37.29	50
Methylene Chloride	0.635	0.630		-0.79	50
trans-1,2-Dichloroethene	0.585	0.560		-4.27	50
1,1-Dichloroethane	1.102	1.105	0.1	0.27	50
Cyclohexane	0.997	0.933		-6.42	50
2-Butanone	0.337	0.374		10.98	50
Carbon Tetrachloride	0.525	0.588		12	50
cis-1,2-Dichloroethene	0.683	0.686		0.44	50
Bromochloromethane	0.439	0.437		-0.46	50
Chloroform	1.121	1.179		5.17	50
1,1,1-Trichloroethane	1.021	1.101		7.84	50
Methylcyclohexane	0.478	0.516		7.95	50
Benzene	1.507	1.514		0.46	50
1,2-Dichloroethane	0.488	0.526		7.79	50
Trichloroethene	0.348	0.358		2.87	50
1,2-Dichloropropane	0.354	0.359		1.41	50
Bromodichloromethane	0.526	0.561		6.65	50
4-Methyl-2-Pentanone	0.406	0.465		14.53	50
Toluene	0.882	0.951		7.82	50
t-1,3-Dichloropropene	0.544	0.558		2.57	50
cis-1,3-Dichloropropene	0.576	0.592		2.78	50
1,1,2-Trichloroethane	0.332	0.352		6.02	50
2-Hexanone	0.296	0.344		16.22	50
Dibromochloromethane	0.378	0.430		13.76	50
1,2-Dibromoethane	0.340	0.361		6.18	50
Tetrachloroethene	0.333	0.348		4.51	50
Chlorobenzene	1.119	1.145	0.3	2.32	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG No.: P4845

Instrument ID: MSVOA_N Calibration Date/Time: 11/17/2024 20:49

Lab File ID: VN084909.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.867	2.027		8.57	50
m/p-Xylenes	0.707	0.770		8.91	50
o-Xylene	0.661	0.740		11.95	50
Styrene	1.154	1.292		11.96	50
Bromoform	0.293	0.323	0.1	10.24	50
Isopropylbenzene	3.504	3.795		8.31	50
1,1,2,2-Tetrachloroethane	1.170	1.164	0.3	-0.51	50
1,3-Dichlorobenzene	1.838	1.708		-7.07	50
1,4-Dichlorobenzene	1.937	1.710		-11.72	50
1,2-Dichlorobenzene	1.766	1.735		-1.75	50
1,2-Dibromo-3-Chloropropane	0.237	0.251		5.91	50
1,2,4-Trichlorobenzene	0.967	0.901		-6.82	50
1,2,3-Trichlorobenzene	0.939	0.891		-5.11	50
1,2-Dichloroethane-d4	0.722	0.707		-2.08	50
Dibromofluoromethane	0.338	0.343		1.48	50
Toluene-d8	1.247	1.238		-0.72	50
4-Bromofluorobenzene	0.466	0.484		3.86	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084909.D
Acq On : 17 Nov 2024 20:49
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 18 00:29:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	145777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	241558	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	215240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	109038	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	103060	48.948	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.900%			
35) Dibromofluoromethane	8.165	113	82872	50.684	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.360%			
50) Toluene-d8	10.565	98	299123	49.663	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.320%			
62) 4-Bromofluorobenzene	12.847	95	116907	51.936	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.880%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	79992	47.733	ug/l	93
3) Chloromethane	2.359	50	97604	49.616	ug/l	100
4) Vinyl Chloride	2.512	62	97851	54.288	ug/l	98
5) Bromomethane	2.901	94	54161	56.714	ug/l	99
6) Chloroethane	3.065	64	64712	58.229	ug/l	100
7) Trichlorofluoromethane	3.459	101	168186	56.645	ug/l	96
8) Diethyl Ether	3.953	74	54099	51.651	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.359	101	84417	50.316	ug/l	97
10) Methyl Iodide	4.571	142	120448	53.717	ug/l	97
11) Tert butyl alcohol	5.536	59	79122	284.691	ug/l	100
12) 1,1-Dichloroethene	4.324	96	79715	48.018	ug/l	98
13) Acrolein	4.171	56	72881	262.980	ug/l	96
14) Allyl chloride	5.012	41	126951	47.154	ug/l	93
15) Acrylonitrile	5.712	53	214074	266.072	ug/l	99
16) Acetone	4.430	43	170425	280.559	ug/l	99
17) Carbon Disulfide	4.695	76	219507	42.937	ug/l	99
18) Methyl Acetate	5.018	43	107167	48.083	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	279206	54.872	ug/l	94
20) Methylene Chloride	5.265	84	91819	49.583	ug/l	89
21) trans-1,2-Dichloroethene	5.777	96	81611	47.876	ug/l	98
22) Diisopropyl ether	6.665	45	264926	49.523	ug/l	98
23) Vinyl Acetate	6.595	43	989607	268.251	ug/l	97
24) 1,1-Dichloroethane	6.565	63	161155	50.177	ug/l	97
25) 2-Butanone	7.483	43	272521	277.435	ug/l	97
26) 2,2-Dichloropropane	7.483	77	122701	43.894	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	99940	50.211	ug/l	95
28) Bromochloromethane	7.812	49	63639	49.734	ug/l	87
29) Tetrahydrofuran	7.836	42	176559	270.935	ug/l	93
30) Chloroform	7.959	83	171940	52.598	ug/l	95
31) Cyclohexane	8.253	56	136081	46.814	ug/l	93
32) 1,1,1-Trichloroethane	8.165	97	160486	53.939	ug/l	95
36) 1,1-Dichloropropene	8.365	75	116832	51.522	ug/l	99
37) Ethyl Acetate	7.553	43	109558	53.251	ug/l	97
38) Carbon Tetrachloride	8.359	117	142154	56.085	ug/l	97
39) Methylcyclohexane	9.594	83	124764	54.083	ug/l	98
40) Benzene	8.600	78	365643	50.209	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084909.D
Acq On : 17 Nov 2024 20:49
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 18 00:29:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	61024	55.156	ug/l		93
42) 1,2-Dichloroethane	8.665	62	126981	53.841	ug/l		99
43) Isopropyl Acetate	8.688	43	194177	51.109	ug/l		97
44) Trichloroethene	9.347	130	86465	51.483	ug/l		98
45) 1,2-Dichloropropane	9.618	63	86675	50.737	ug/l		94
46) Dibromomethane	9.706	93	63245	52.466	ug/l		96
47) Bromodichloromethane	9.883	83	135570	53.353	ug/l		98
48) Methyl methacrylate	9.677	41	90613	56.590	ug/l		96
49) 1,4-Dioxane	9.694	88	33898	1194.662	ug/l	#	82
51) 4-Methyl-2-Pentanone	10.441	43	561957	286.520	ug/l		97
52) Toluene	10.630	92	229773	53.949	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	134769	51.239	ug/l		99
54) cis-1,3-Dichloropropene	10.306	75	142978	51.361	ug/l		95
55) 1,1,2-Trichloroethane	11.012	97	85041	53.007	ug/l		96
56) Ethyl methacrylate	10.871	69	139998	60.328	ug/l		94
57) 1,3-Dichloropropane	11.159	76	148819	54.049	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	313736	288.918	ug/l		95
59) 2-Hexanone	11.194	43	415570	291.095	ug/l		96
60) Dibromochloromethane	11.359	129	103955	56.853	ug/l		100
61) 1,2-Dibromoethane	11.465	107	87232	53.096	ug/l		99
64) Tetrachloroethene	11.100	164	74811	52.253	ug/l		98
65) Chlorobenzene	11.888	112	246450	51.181	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	92836	55.427	ug/l		97
67) Ethyl Benzene	11.959	91	436251	54.275	ug/l		100
68) m/p-Xylenes	12.071	106	331346	108.888	ug/l		98
69) o-Xylene	12.394	106	159179	55.918	ug/l		97
70) Styrene	12.412	104	278012	55.985	ug/l		99
71) Bromoform	12.576	173	69573	55.203	ug/l	#	97
73) Isopropylbenzene	12.694	105	413792	54.153	ug/l		100
74) N-amyl acetate	12.494	43	171747	52.810	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.935	83	126946	49.773	ug/l		97
76) 1,2,3-Trichloropropane	12.994	75	107321m	49.238	ug/l		
77) Bromobenzene	12.976	156	102740	50.015	ug/l		92
78) n-propylbenzene	13.035	91	472992	52.824	ug/l		99
79) 2-Chlorotoluene	13.123	91	304575	52.058	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	356319	56.263	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	43555	47.407	ug/l		98
82) 4-Chlorotoluene	13.218	91	303261	49.253	ug/l		98
83) tert-Butylbenzene	13.435	119	307629	58.692	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	358117	54.788	ug/l		98
85) sec-Butylbenzene	13.618	105	398386	53.808	ug/l		99
86) p-Isopropyltoluene	13.729	119	341371	56.220	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	186228	46.454	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	186440	50.749	ug/l		100
89) n-Butylbenzene	14.053	91	276493	48.679	ug/l		99
90) Hexachloroethane	14.329	117	65775	48.574	ug/l		97
91) 1,2-Dichlorobenzene	14.106	146	189180	49.109	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	27364	52.960	ug/l		99
93) 1,2,4-Trichlorobenzene	15.388	180	98246	46.595	ug/l		100
94) Hexachlorobutadiene	15.500	225	45226	48.843	ug/l		96
95) Naphthalene	15.641	128	313685	49.703	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	97158	47.468	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084909.D
Acq On : 17 Nov 2024 20:49
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 18 00:29:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084909.D
Acq On : 17 Nov 2024 20:49
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 18 00:29:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

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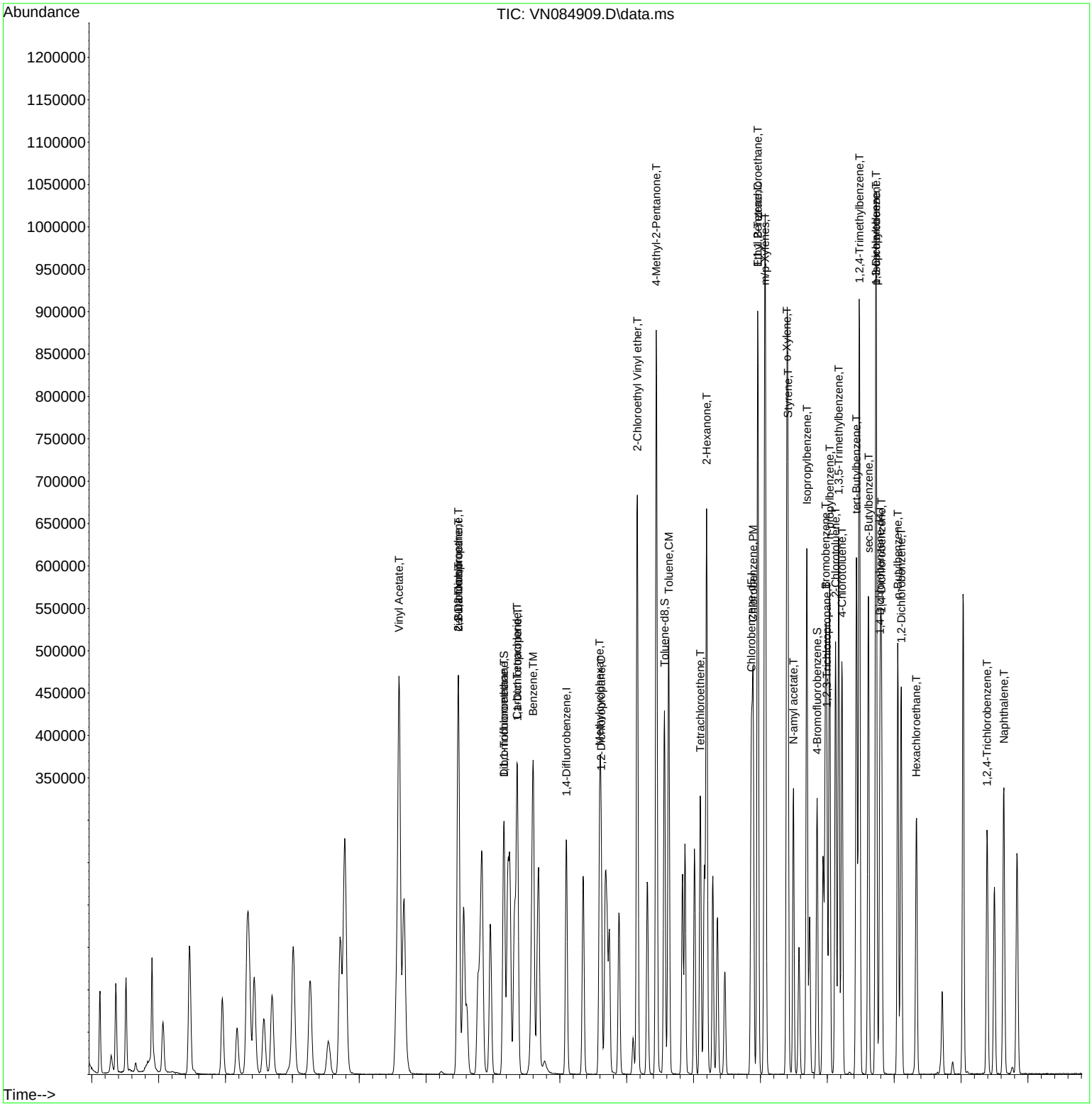
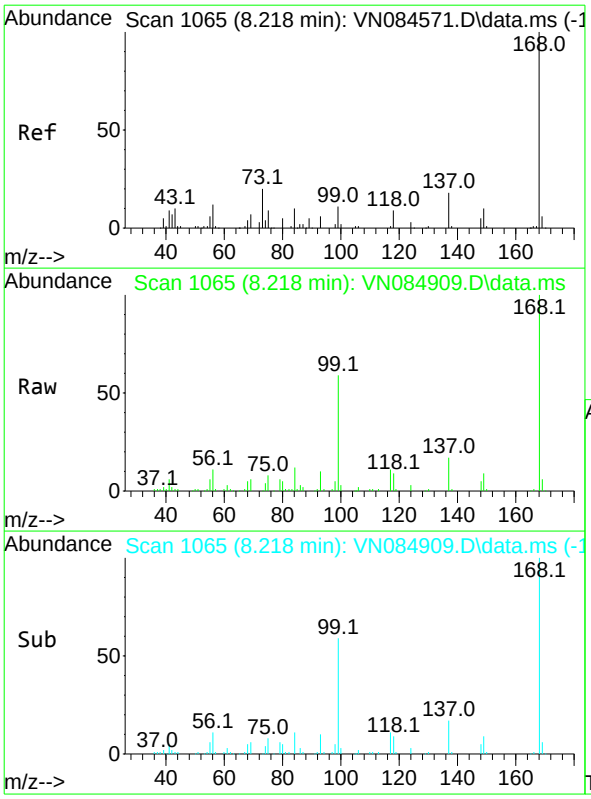
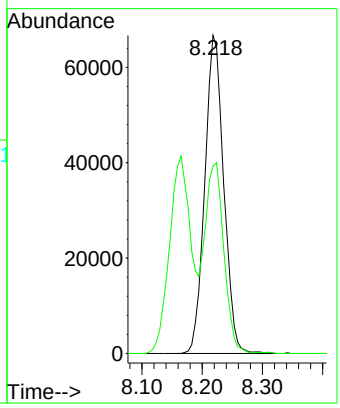




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:168 Resp: 145777

Ion	Ratio	Lower	Upper
168	100		
99	58.9	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/18/2024
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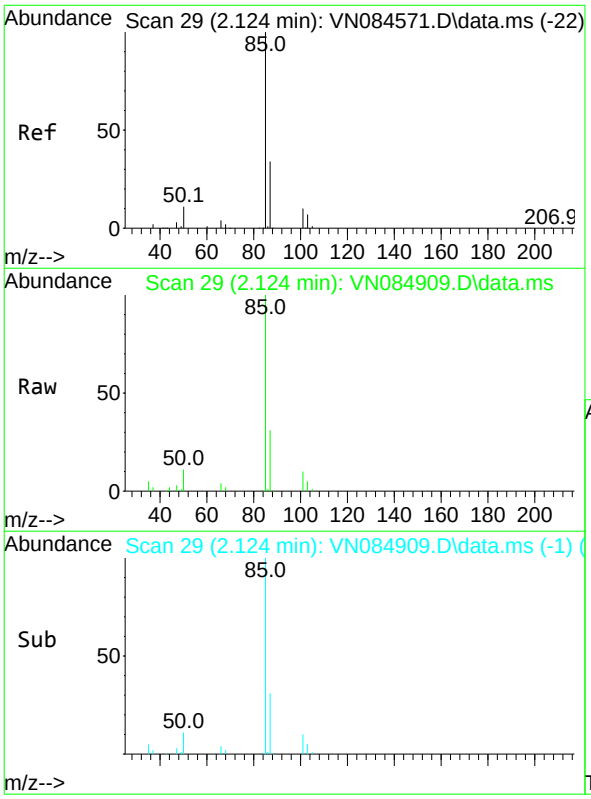
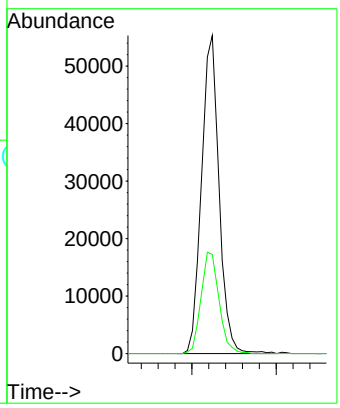
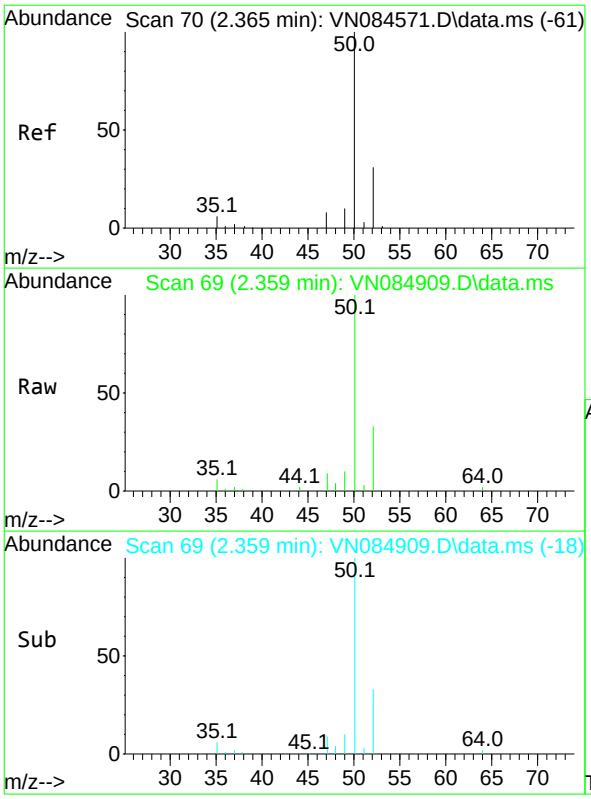


#2
Dichlorodifluoromethane
Concen: 47.733 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 85 Resp: 79992

Ion	Ratio	Lower	Upper
85	100		
87	31.2	17.6	52.9

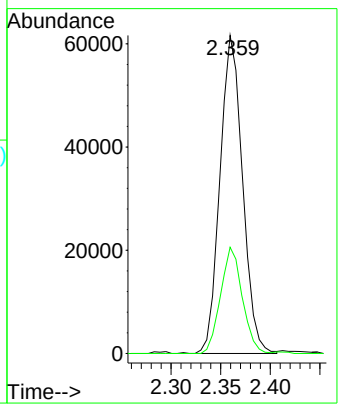




#3
Chloromethane
Concen: 49.616 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 50 Resp: 97604

Ion	Ratio	Lower	Upper
50	100		
52	33.4	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 11/18/2024
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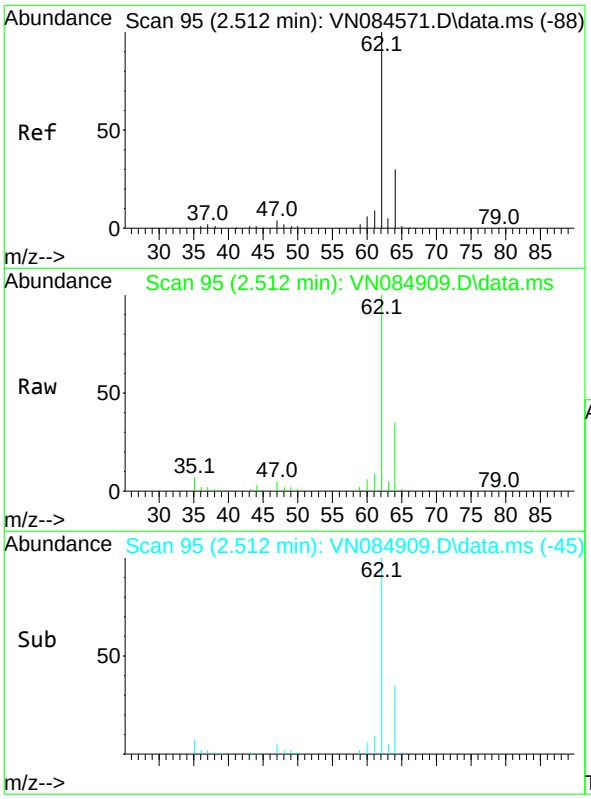
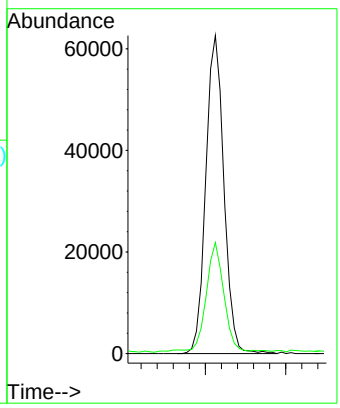
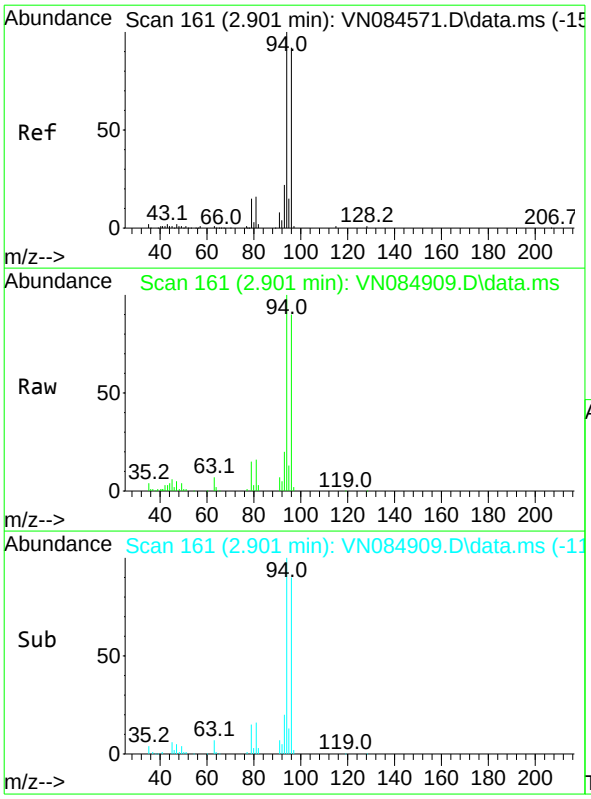


#4
Vinyl Chloride
Concen: 54.288 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 62 Resp: 97851

Ion	Ratio	Lower	Upper
62	100		
64	34.0	26.2	39.4

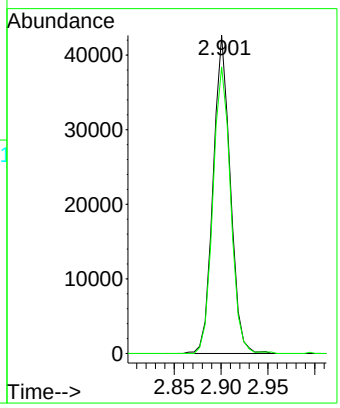




#5
Bromomethane
Concen: 56.714 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.052 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 94 Resp: 54161

Ion	Ratio	Lower	Upper
94	100		
96	90.1	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

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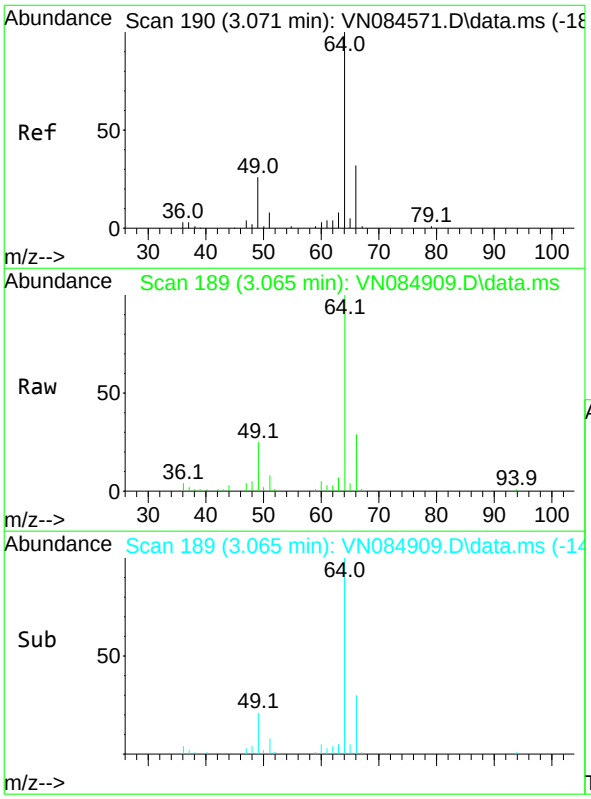
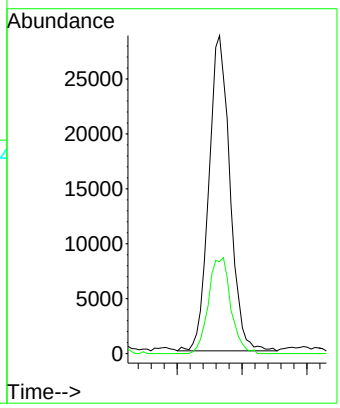
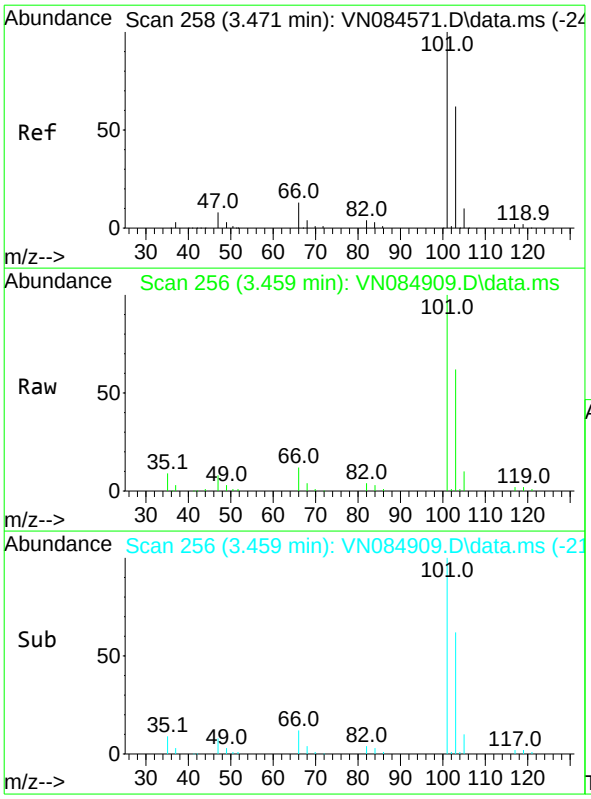


#6
Chloroethane
Concen: 58.229 ug/l
RT: 3.065 min Scan# 189
Delta R.T. -0.053 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 64 Resp: 64712

Ion	Ratio	Lower	Upper
64	100		
66	29.2	23.5	35.3

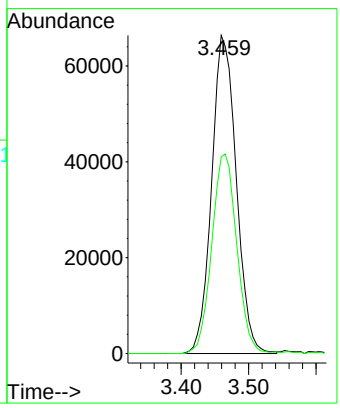




#7
Trichlorofluoromethane
Concen: 56.645 ug/l
RT: 3.459 min Scan# 25
Delta R.T. -0.036 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:101 Resp: 168186

Ion	Ratio	Lower	Upper
101	100		
103	61.8	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

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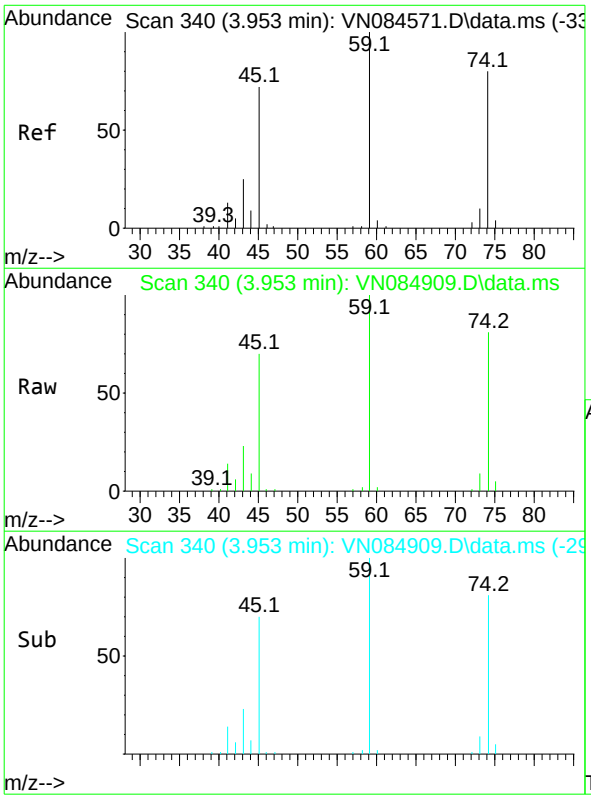
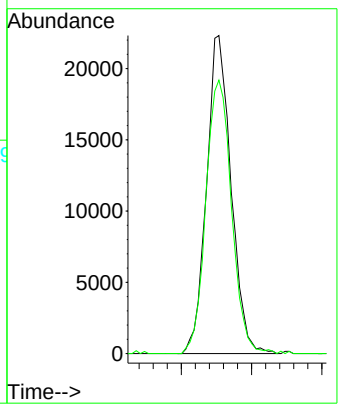
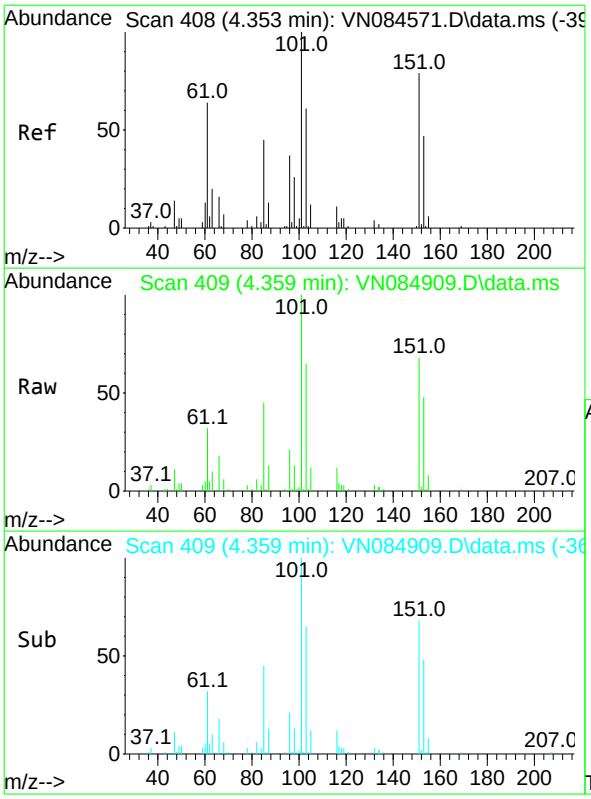


#8
Diethyl Ether
Concen: 51.651 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 74 Resp: 54099

Ion	Ratio	Lower	Upper
74	100		
45	90.0	47.7	143.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.316 ug/l
RT: 4.359 min Scan# 40
Delta R.T. -0.012 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:101 Resp: 84417

Ion	Ratio	Lower	Upper
101	100		
85	44.8	36.2	54.4
151	78.1	59.3	88.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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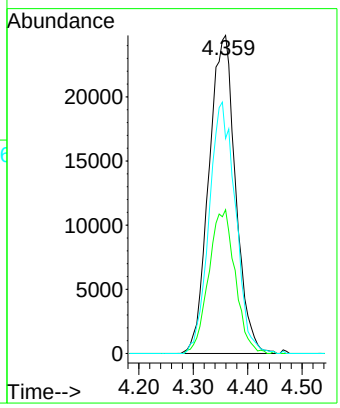
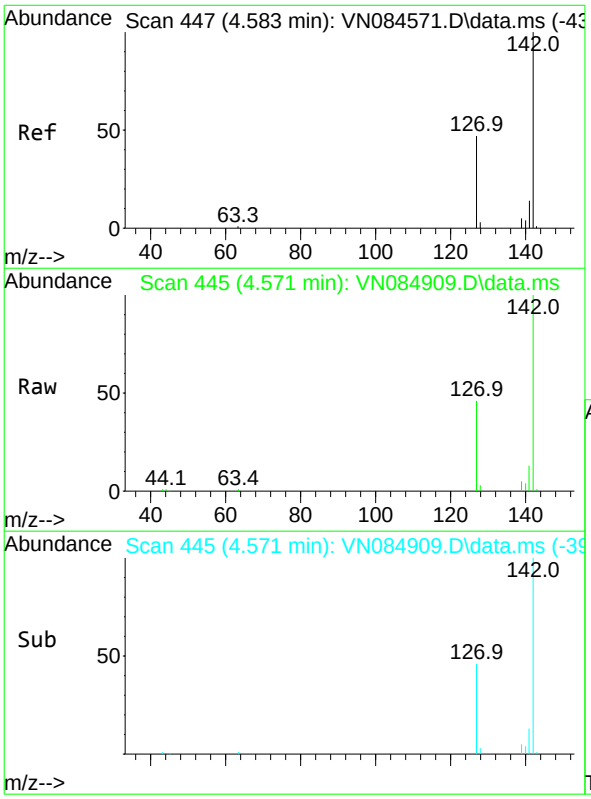
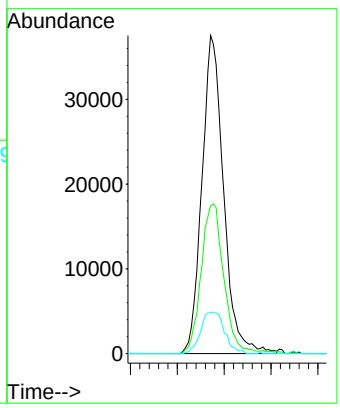


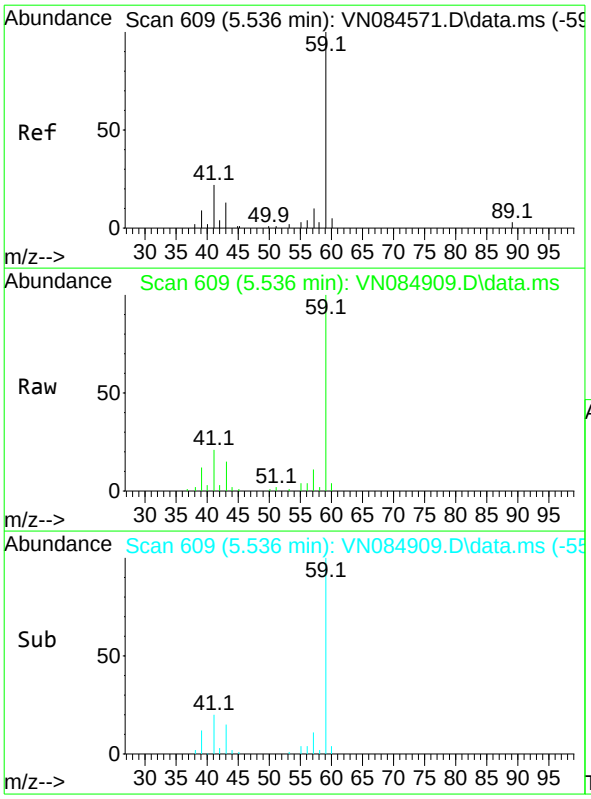


#10
Methyl Iodide
Concen: 53.717 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.023 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:142 Resp: 120448

Ion	Ratio	Lower	Upper
142	100		
127	46.5	35.3	52.9
141	12.8	11.0	16.6

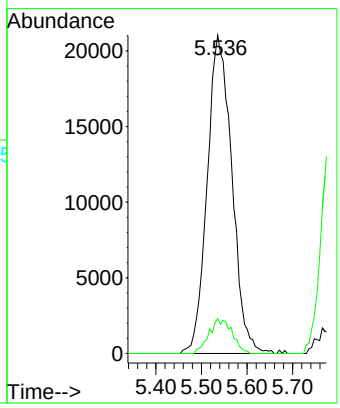




#11
Tert butyl alcohol
Concen: 284.691 ug/l
RT: 5.536 min Scan# 60
Delta R.T. 0.012 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 59 Resp: 79122

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

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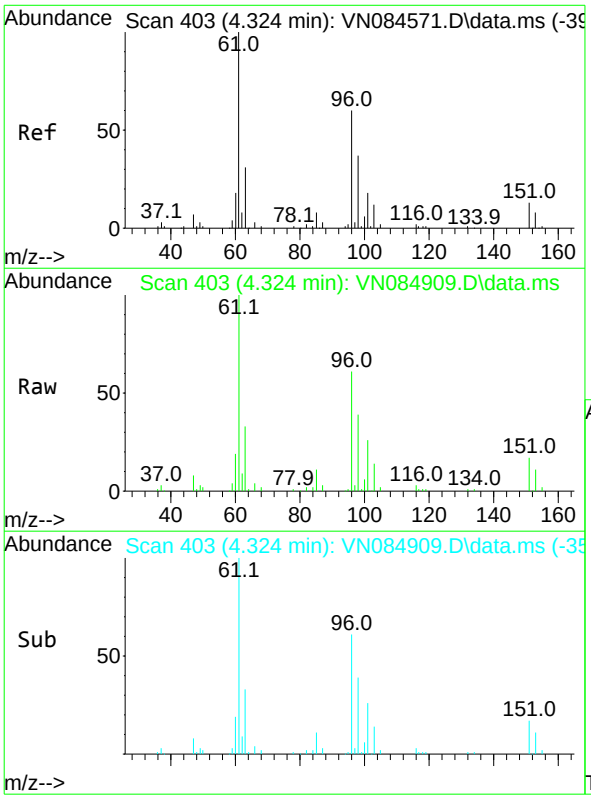
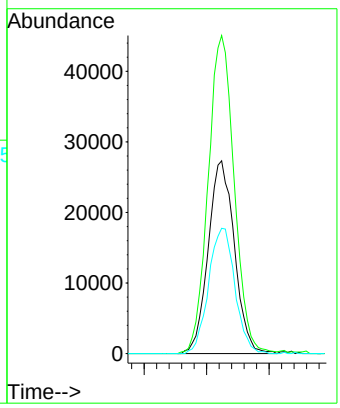
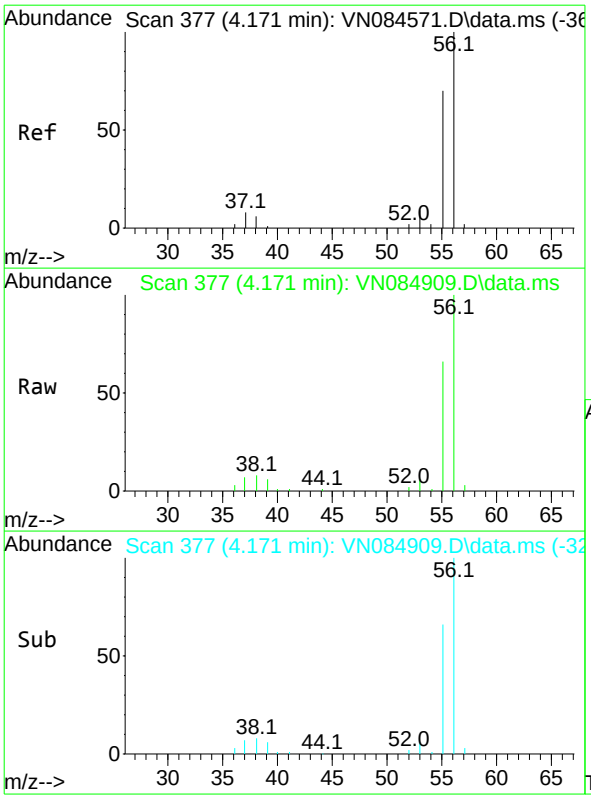


#12
1,1-Dichloroethene
Concen: 48.018 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 96 Resp: 79715

Ion	Ratio	Lower	Upper
96	100		
61	165.0	128.6	192.8
98	65.0	51.7	77.5

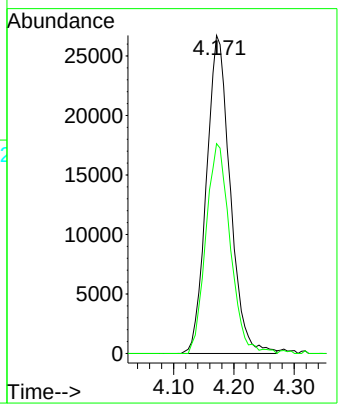




#13
Acrolein
Concen: 262.980 ug/l
RT: 4.171 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 56 Resp: 72881

Ion	Ratio	Lower	Upper
56	100		
55	67.9	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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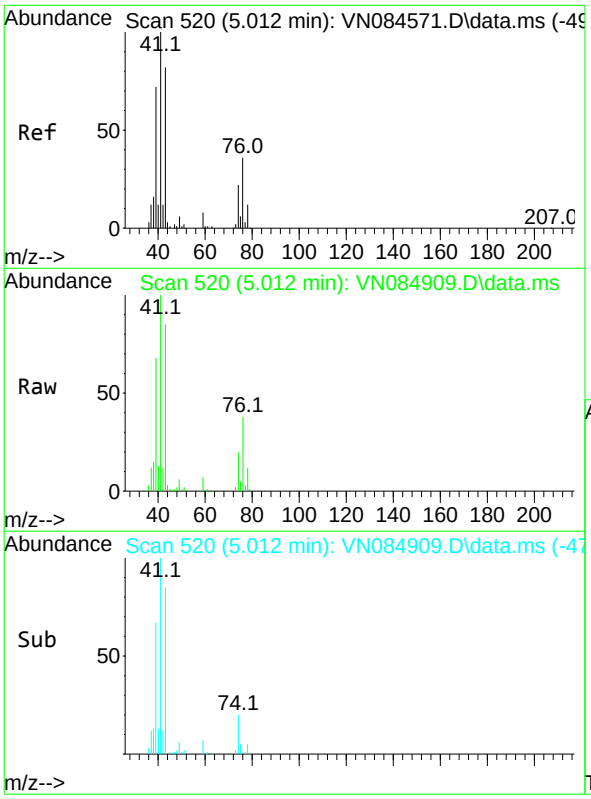
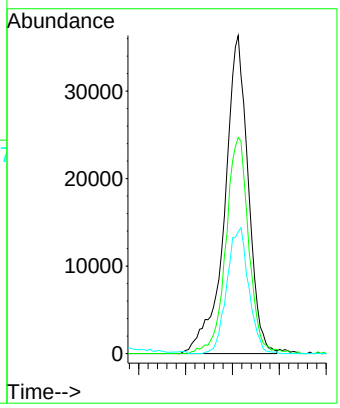
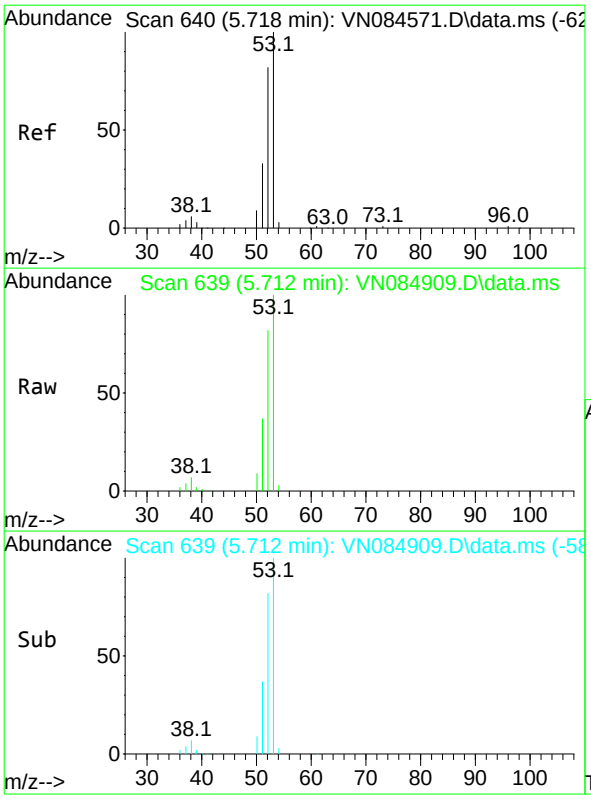


#14
Allyl chloride
Concen: 47.154 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 41 Resp: 126951

Ion	Ratio	Lower	Upper
41	100		
39	65.8	59.0	88.6
76	36.6	29.8	44.6

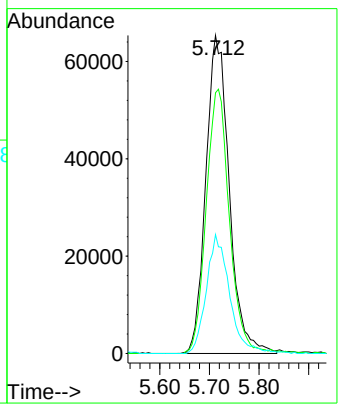




#15
Acrylonitrile
Concen: 266.072 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 53 Resp: 214074

Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.2	99.4
51	37.2	28.8	43.2



Instrument :
MSVOA_N
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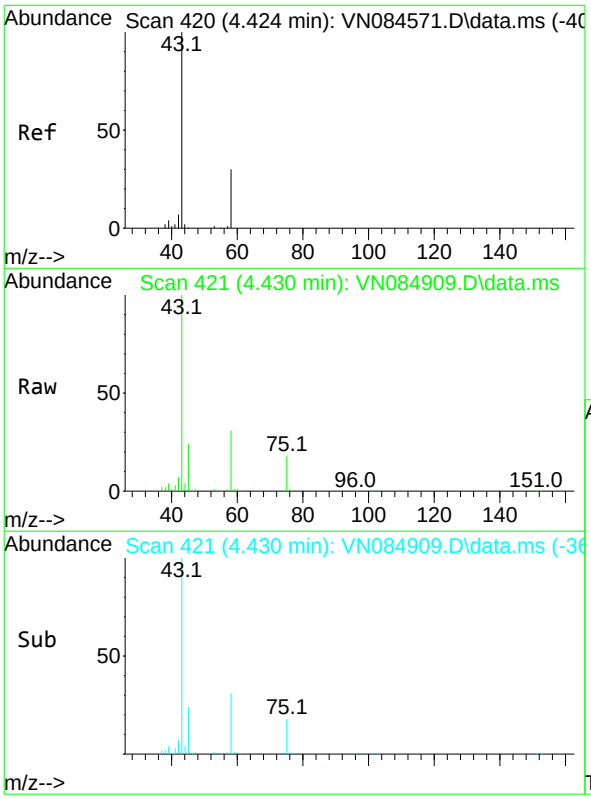
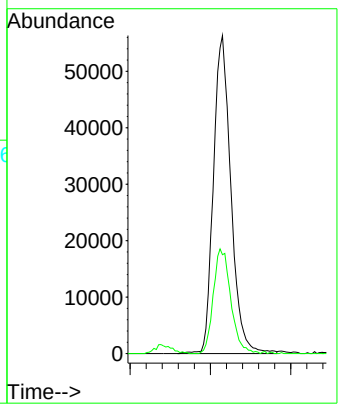
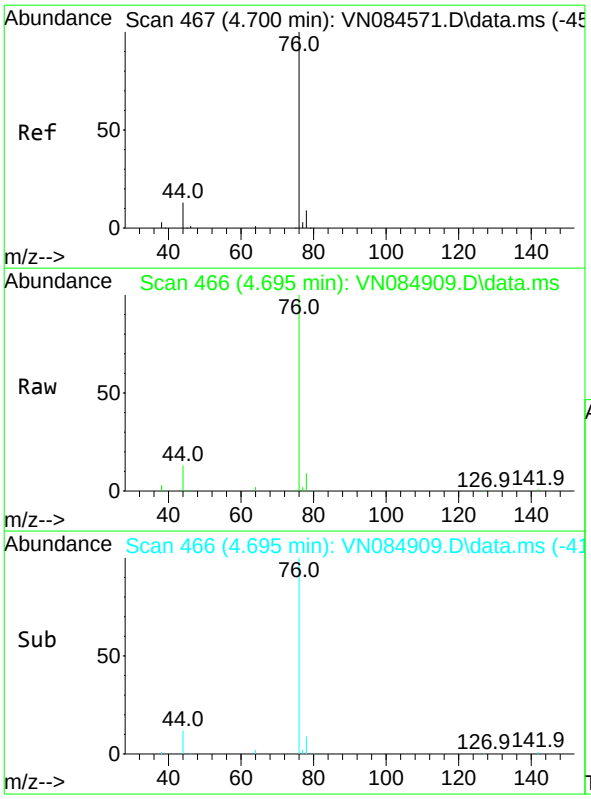


#16
Acetone
Concen: 280.559 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 43 Resp: 170425

Ion	Ratio	Lower	Upper
43	100		
58	31.1	24.4	36.6

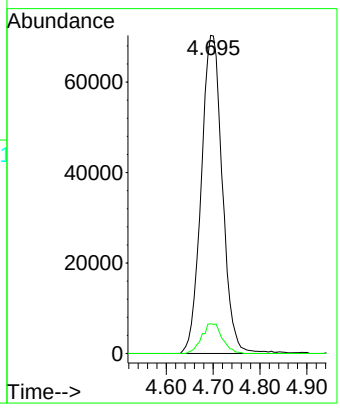




#17
Carbon Disulfide
Concen: 42.937 ug/l
RT: 4.695 min Scan# 46
Delta R.T. -0.017 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 76 Resp: 219507

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9



Instrument :
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ClientSampleId :
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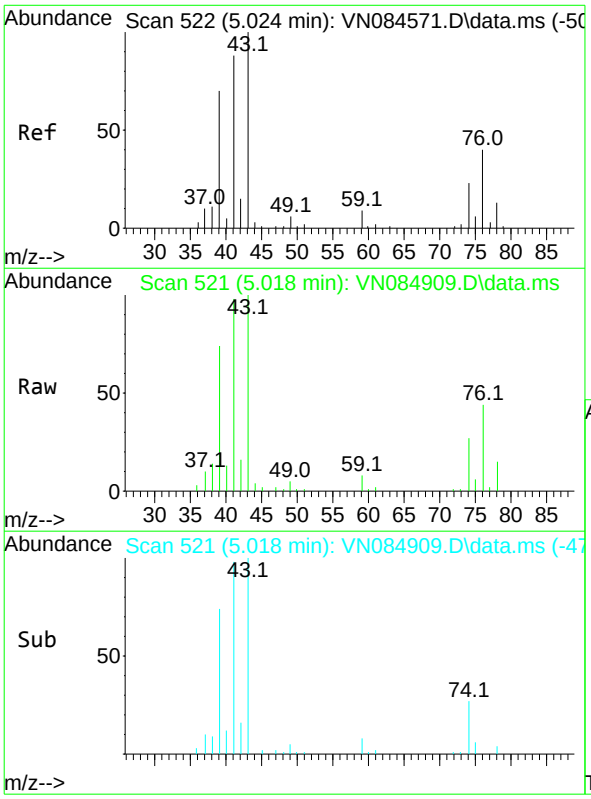
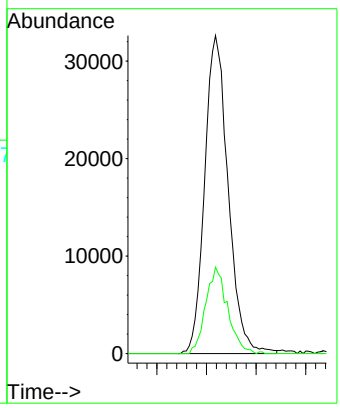
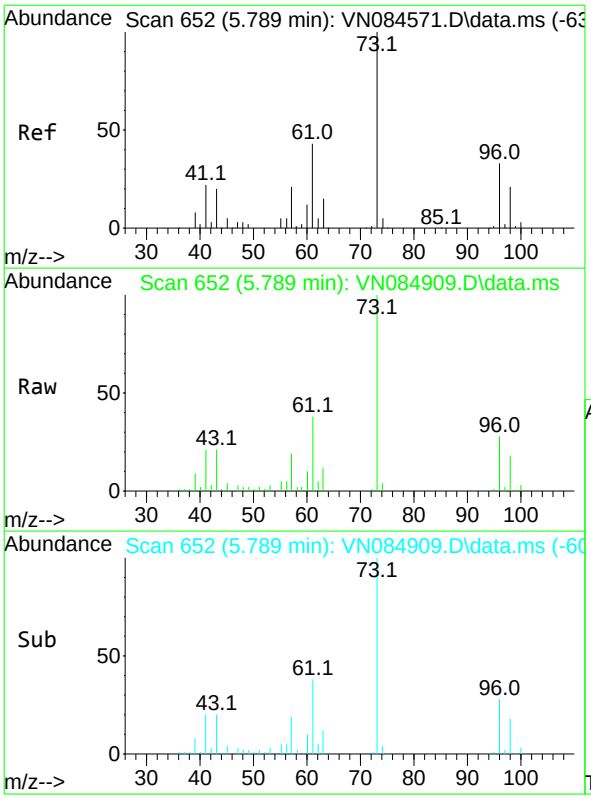


#18
Methyl Acetate
Concen: 48.083 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 43 Resp: 107167

Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.2	28.8

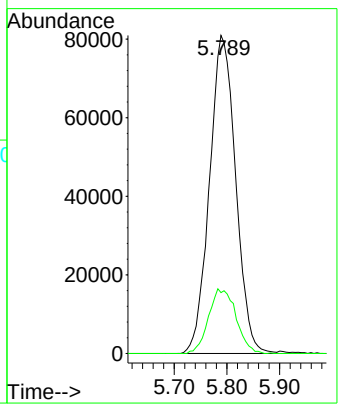




#19
Methyl tert-butyl Ether
Concen: 54.872 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 73 Resp: 279206

Ion	Ratio	Lower	Upper
73	100		
57	19.1	17.7	26.5



Instrument :
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ClientSampleId :
VSTDCCC050EC

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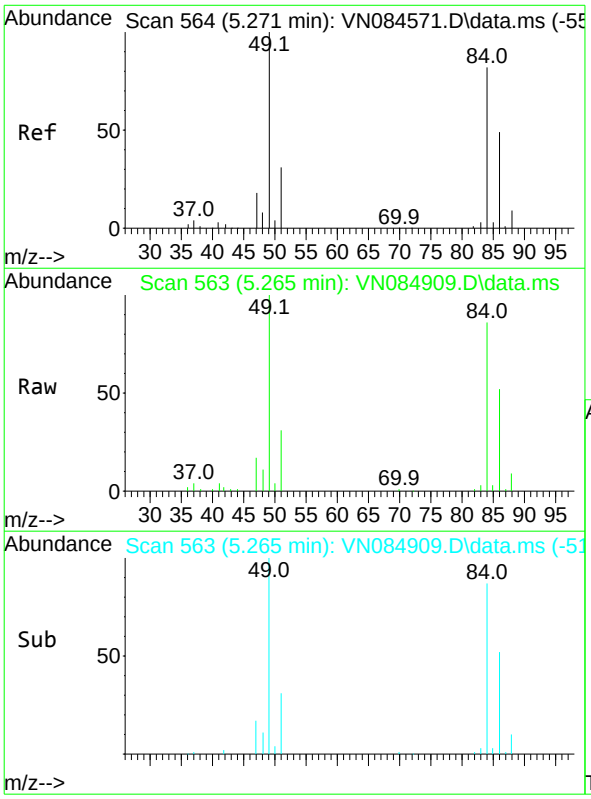
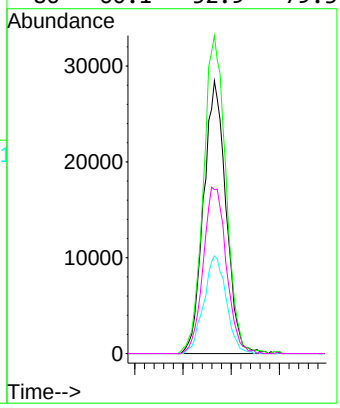
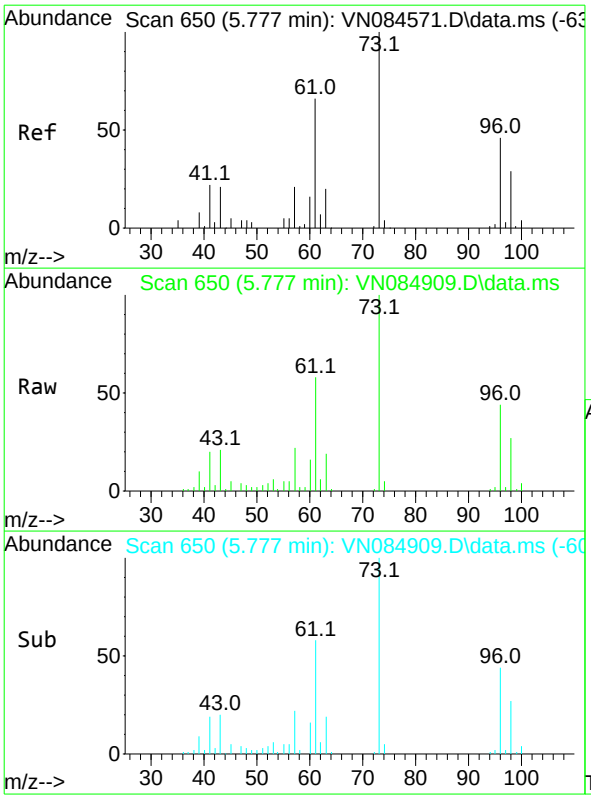


#20
Methylene Chloride
Concen: 49.583 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 84 Resp: 91819

Ion	Ratio	Lower	Upper
84	100		
49	116.6	107.2	160.8
51	35.8	31.8	47.8
86	60.1	52.9	79.3

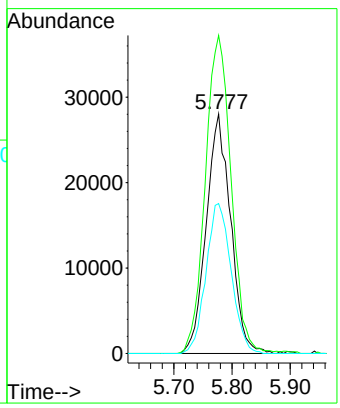




#21
trans-1,2-Dichloroethene
Concen: 47.876 ug/l
RT: 5.777 min Scan# 65
Delta R.T. -0.012 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 96 Resp: 81611

Ion	Ratio	Lower	Upper
96	100		
61	132.8	108.4	162.6
98	62.6	49.8	74.8



Instrument :
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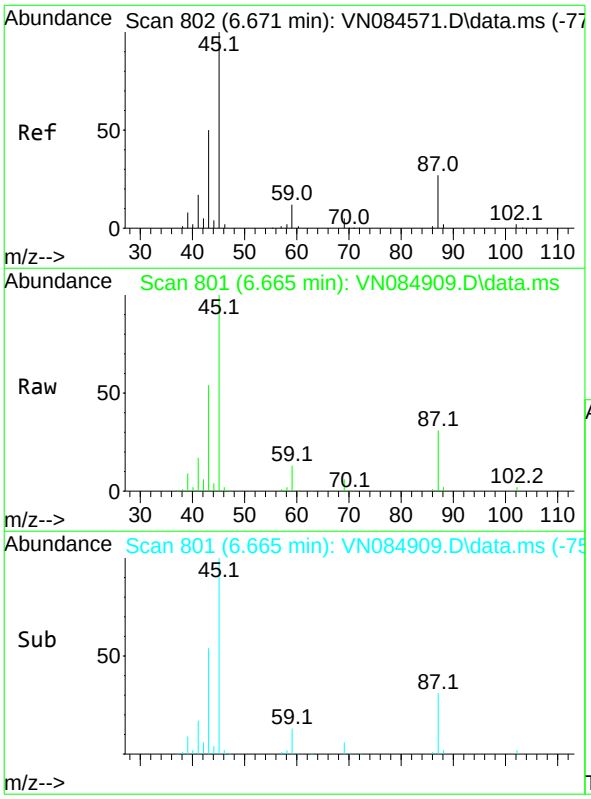
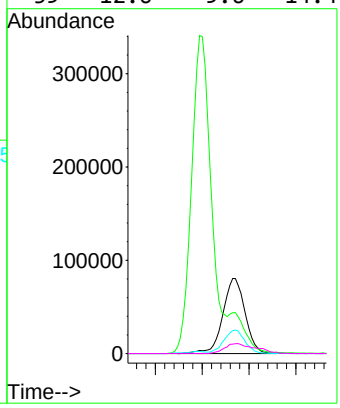
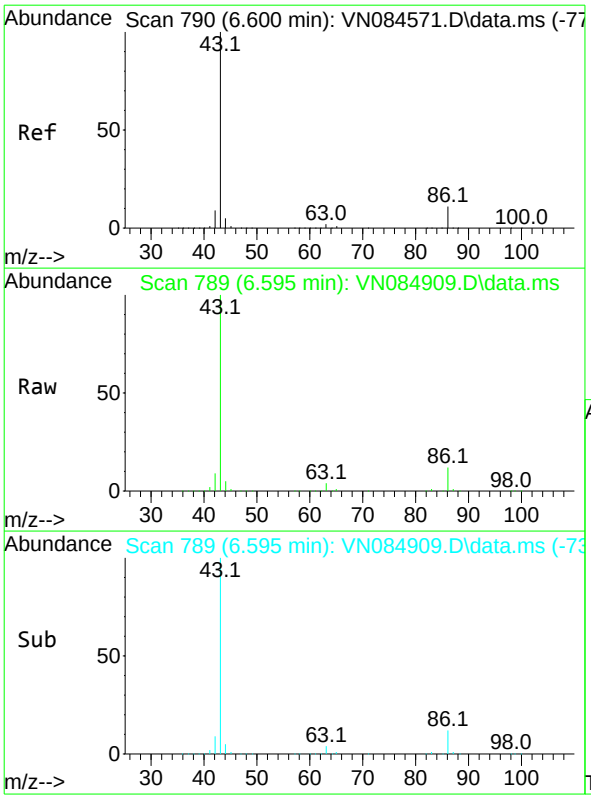


#22
Diisopropyl ether
Concen: 49.523 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 45 Resp: 264926

Ion	Ratio	Lower	Upper
45	100		
43	53.3	42.3	63.5
87	30.3	21.8	32.6
59	12.6	9.6	14.4

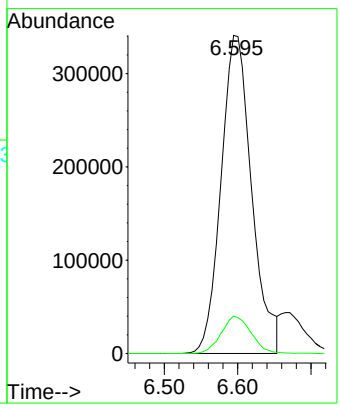




#23
Vinyl Acetate
Concen: 268.251 ug/l
RT: 6.595 min Scan# 78
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 43 Resp: 989607

Ion	Ratio	Lower	Upper
43	100		
86	11.8	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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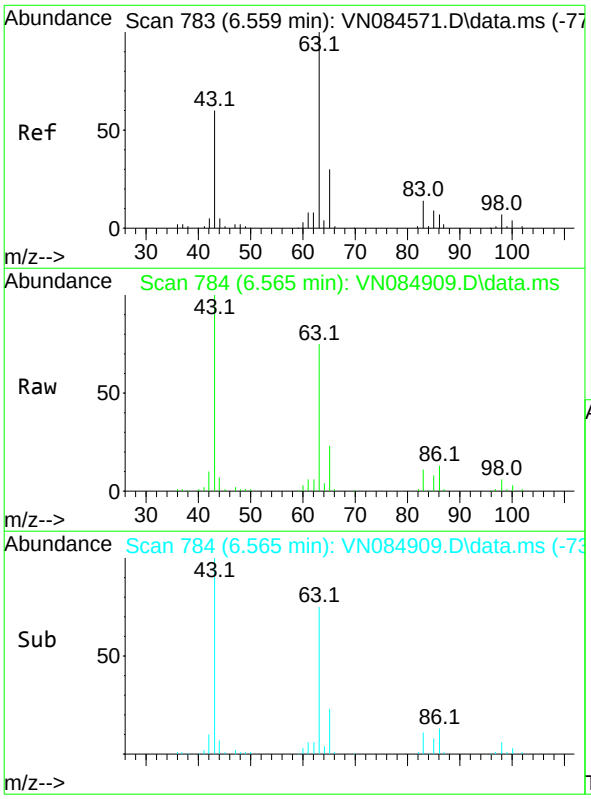
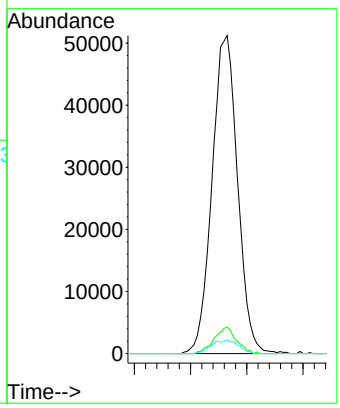
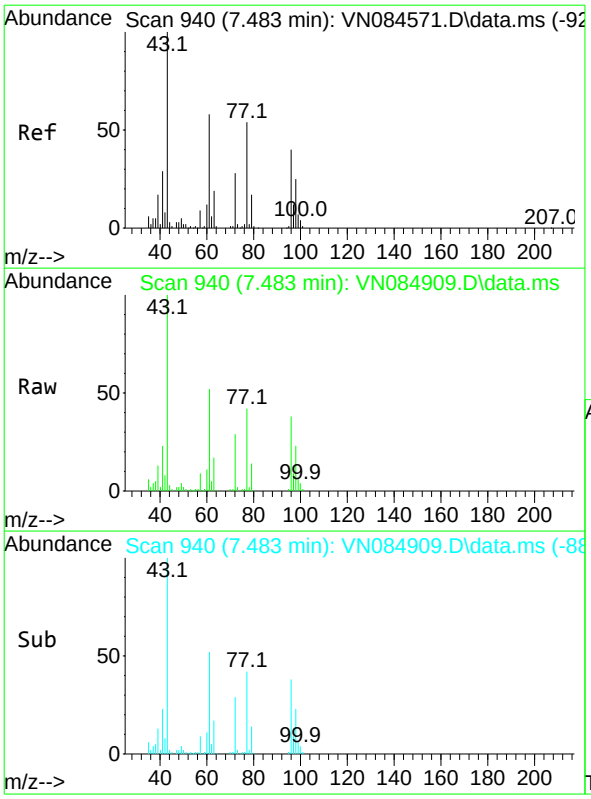


#24
1,1-Dichloroethane
Concen: 50.177 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 63 Resp: 161155

Ion	Ratio	Lower	Upper
63	100		
98	8.4	3.4	10.2
100	4.4	2.0	5.8

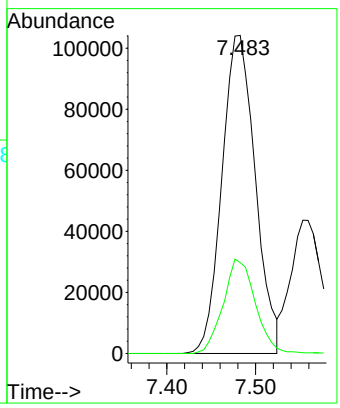




#25
2-Butanone
Concen: 277.435 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 43 Resp: 272521

Ion	Ratio	Lower	Upper
43	100		
72	28.6	21.4	32.2



Instrument :
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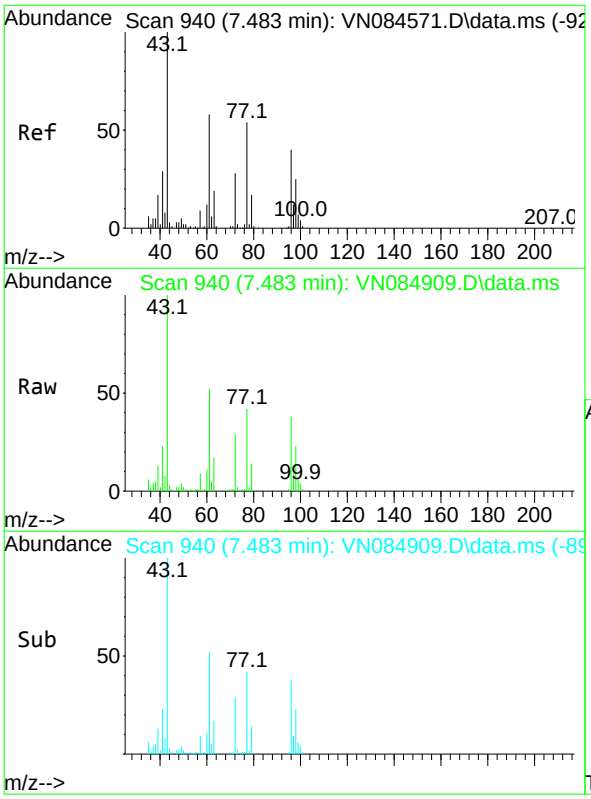
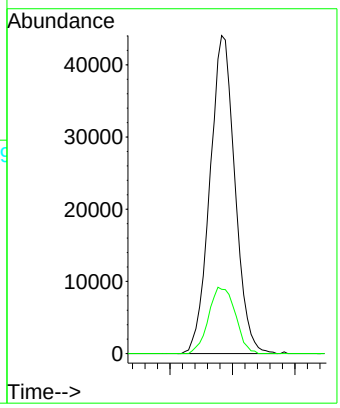
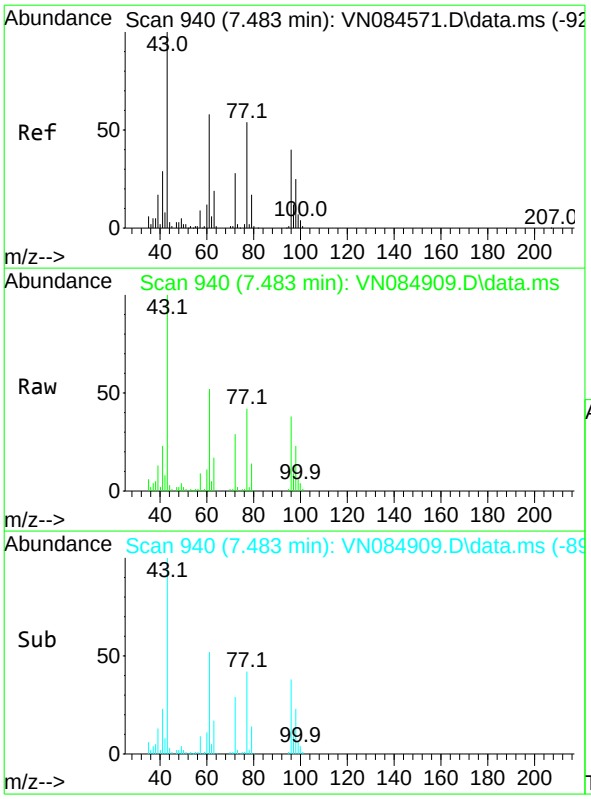


#26
2,2-Dichloropropane
Concen: 43.894 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 77 Resp: 122701

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.8	32.3

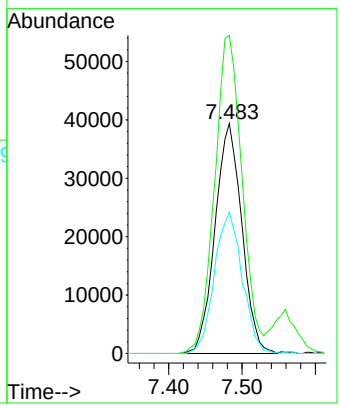




#27
cis-1,2-Dichloroethene
Concen: 50.211 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 96 Resp: 99940

Ion	Ratio	Lower	Upper
96	100		
61	142.1	0.0	301.8
98	63.9	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
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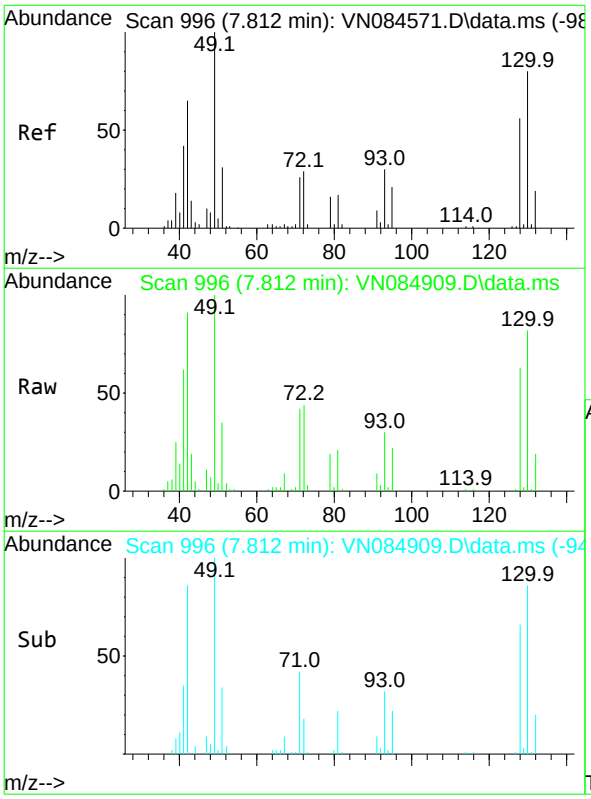
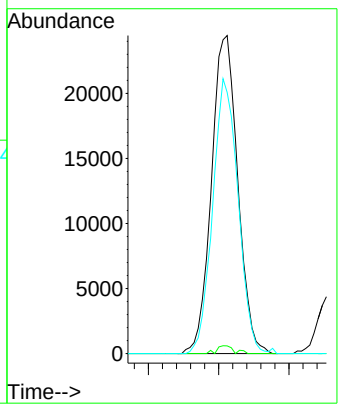
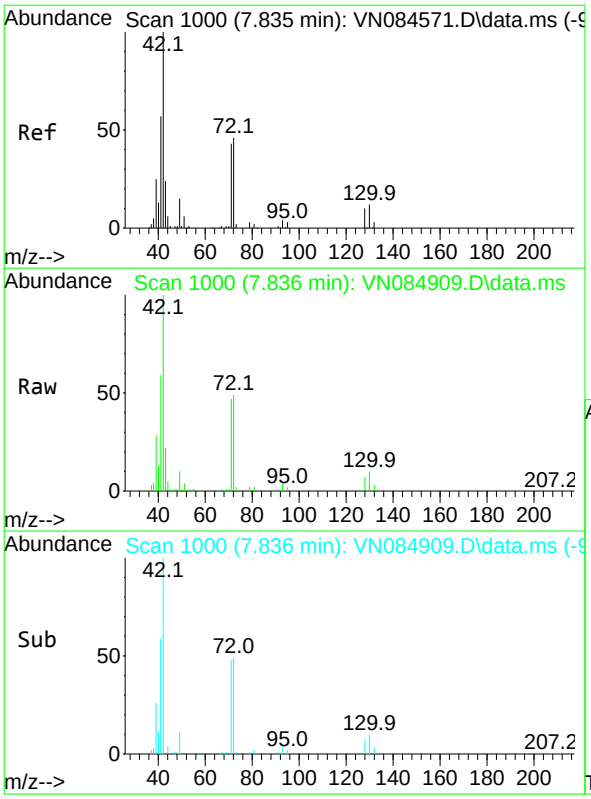


#28
Bromochloromethane
Concen: 49.734 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 49 Resp: 63639

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.6
130	83.5	58.0	87.0

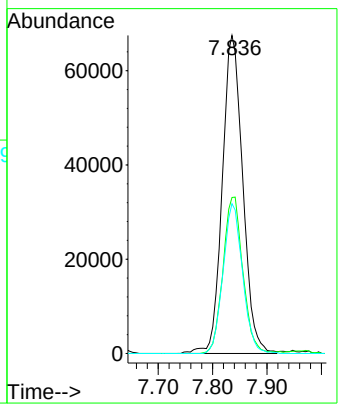




#29
Tetrahydrofuran
Concen: 270.935 ug/l
RT: 7.836 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 42 Resp: 176559

Ion	Ratio	Lower	Upper
42	100		
72	47.8	34.6	51.8
71	44.8	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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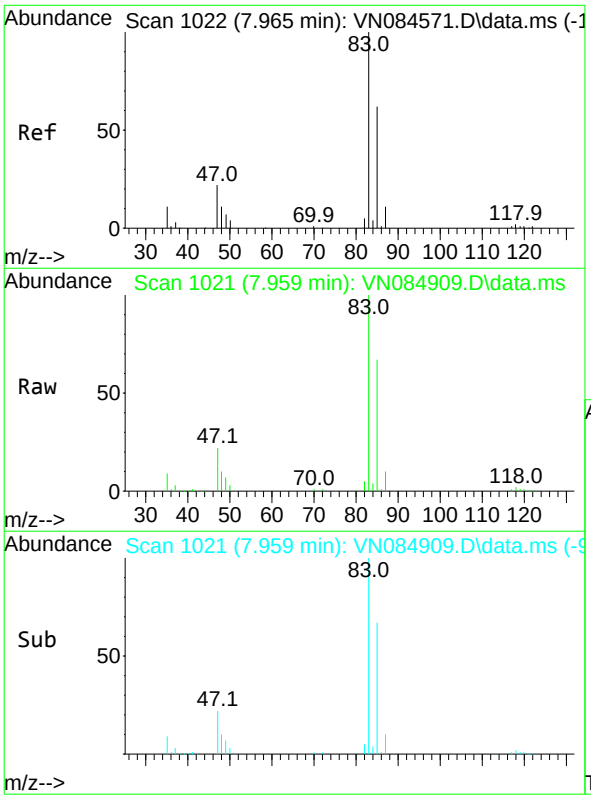
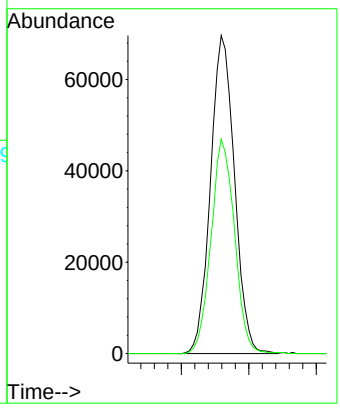
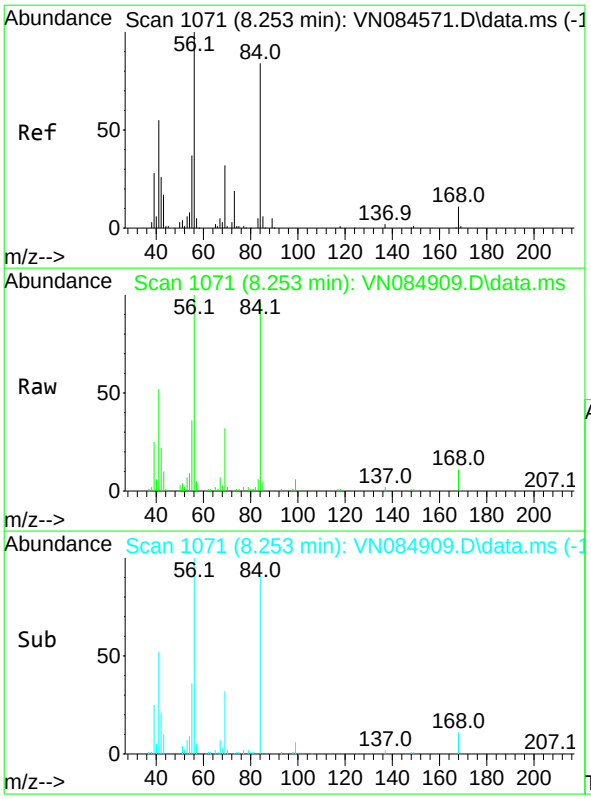


#30
Chloroform
Concen: 52.598 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 83 Resp: 171940

Ion	Ratio	Lower	Upper
83	100		
85	67.4	51.0	76.4

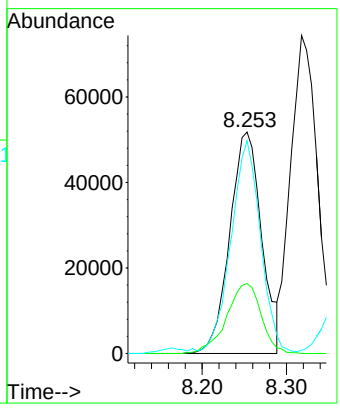




#31
Cyclohexane
Concen: 46.814 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 56 Resp: 136081

Ion	Ratio	Lower	Upper
56	100		
69	31.6	23.8	35.6
84	94.2	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
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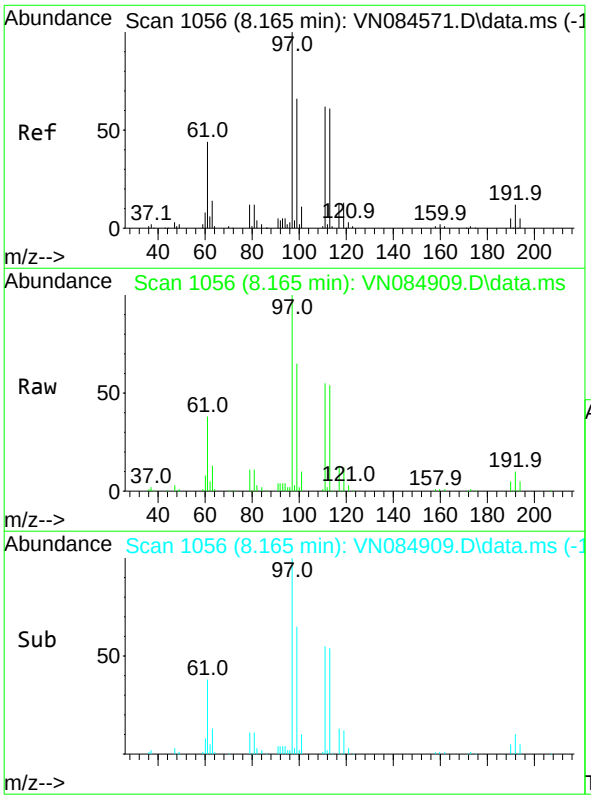
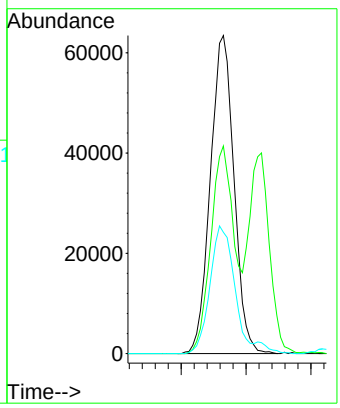
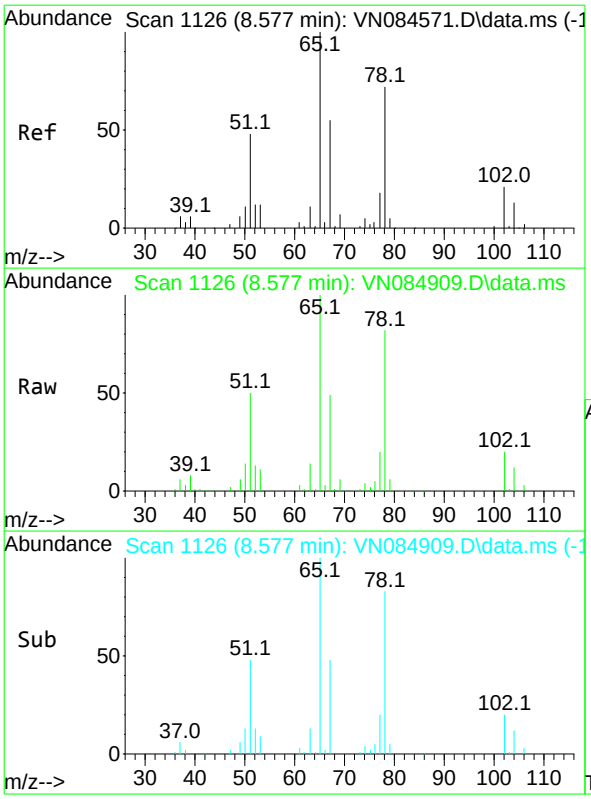


#32
1,1,1-Trichloroethane
Concen: 53.939 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 97 Resp: 160486

Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.2	76.8
61	41.1	37.5	56.3

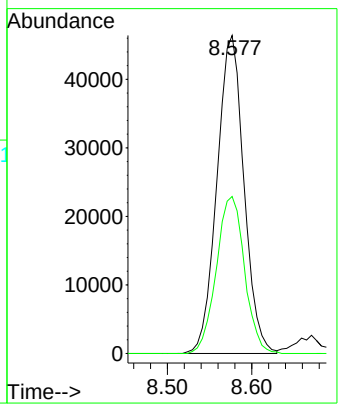




#33
1,2-Dichloroethane-d4
Concen: 48.948 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 65 Resp: 103060

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	102.0



Instrument :
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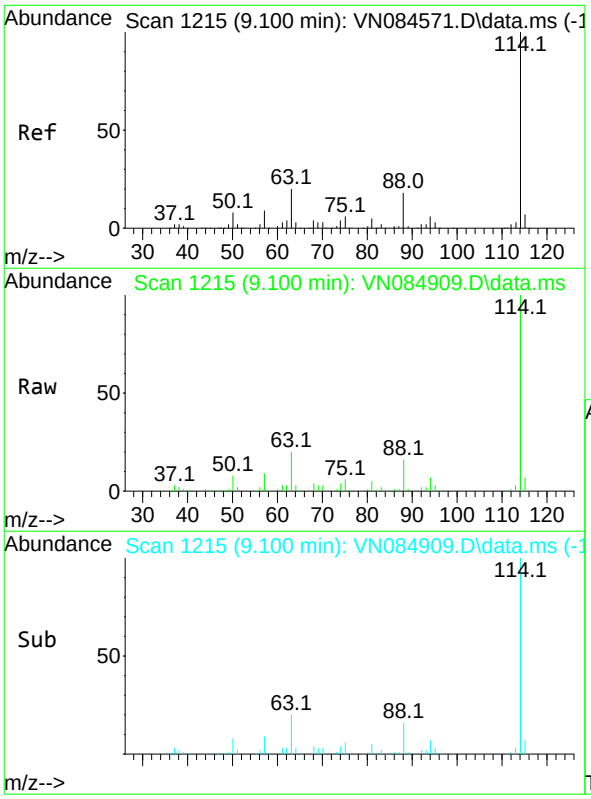
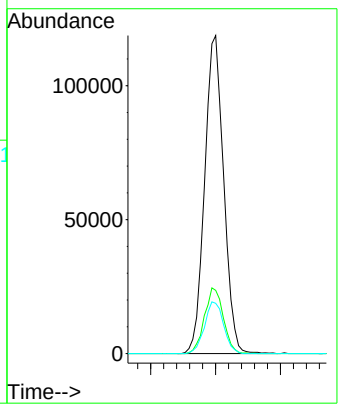
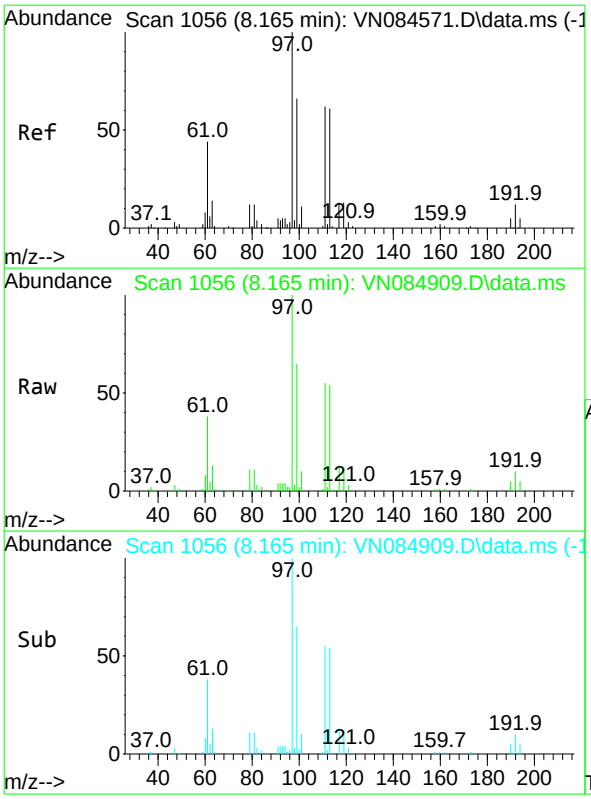


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:114 Resp: 241558

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	43.8
88	15.8	0.0	31.6

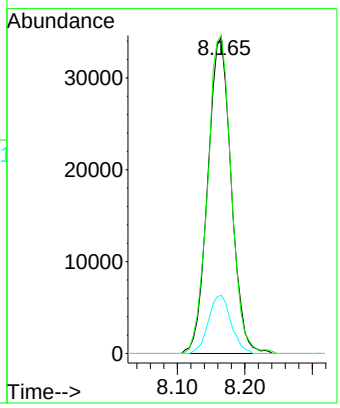




#35
Dibromofluoromethane
Concen: 50.684 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:113 Resp: 82872

Ion	Ratio	Lower	Upper
113	100		
111	101.5	83.3	124.9
192	17.8	13.5	20.3



Instrument :
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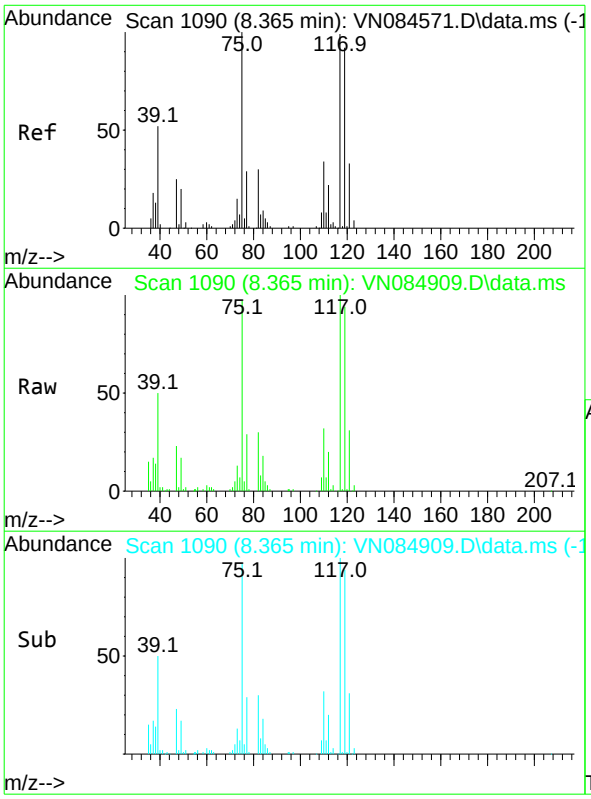
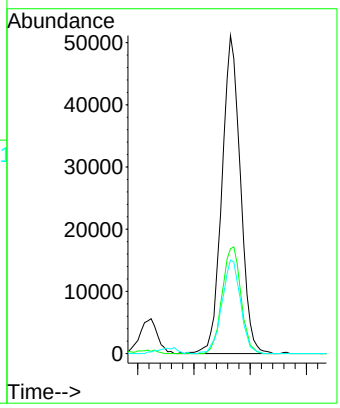
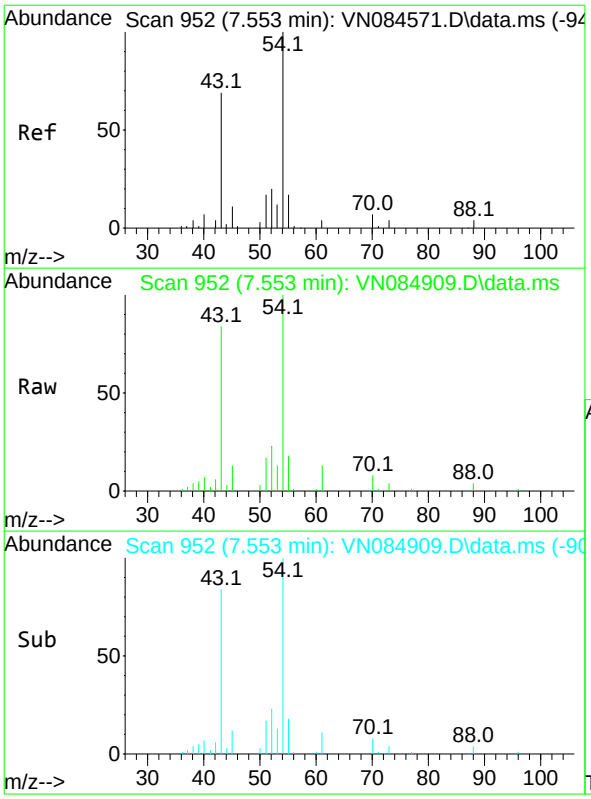


#36
1,1-Dichloropropene
Concen: 51.522 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 75 Resp: 116832

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.9	50.7
77	29.5	24.7	37.1





#37
Ethyl Acetate
Concen: 53.251 ug/l
RT: 7.553 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 43 Resp: 109558

Ion	Ratio	Lower	Upper
43	100		
61	15.3	10.7	16.1
70	11.5	8.8	13.2

Instrument :
MSVOA_N
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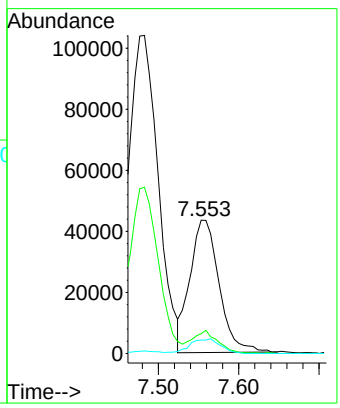
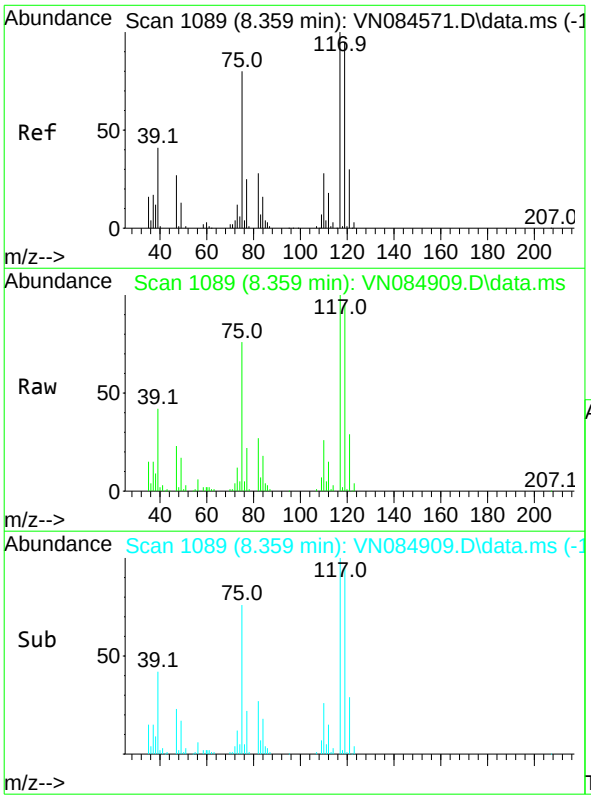
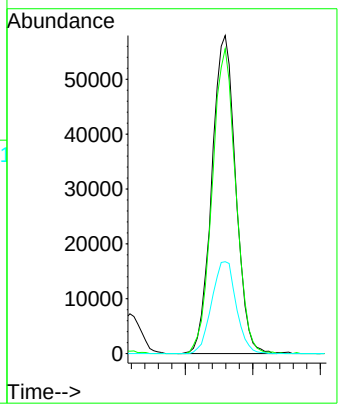


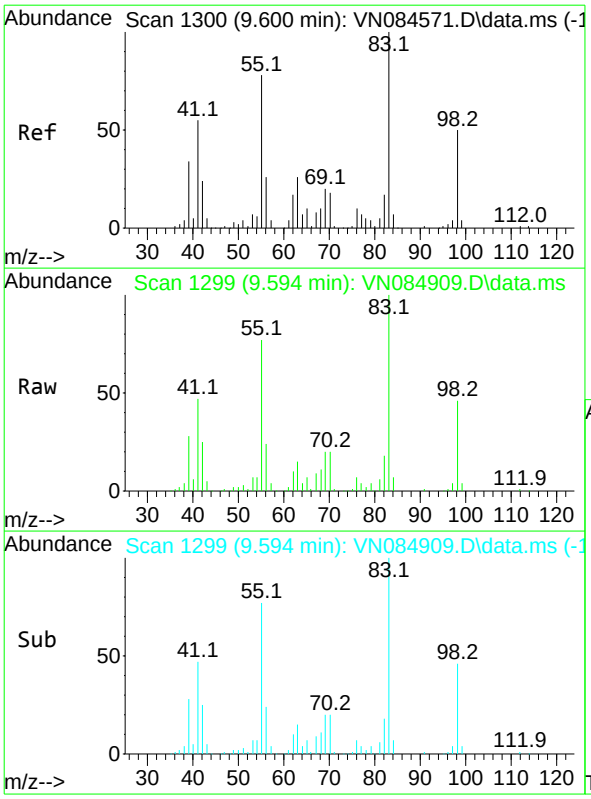


#38
Carbon Tetrachloride
Concen: 56.085 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:117 Resp: 142154

Ion	Ratio	Lower	Upper
117	100		
119	95.9	78.7	118.1
121	28.9	24.4	36.6

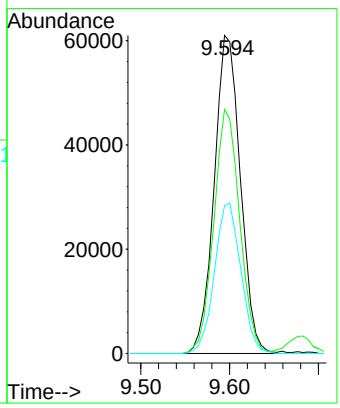




#39
Methylcyclohexane
Concen: 54.083 ug/l
RT: 9.594 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 83 Resp: 124764

Ion	Ratio	Lower	Upper
83	100		
55	76.7	62.8	94.2
98	46.5	38.8	58.2



Instrument :
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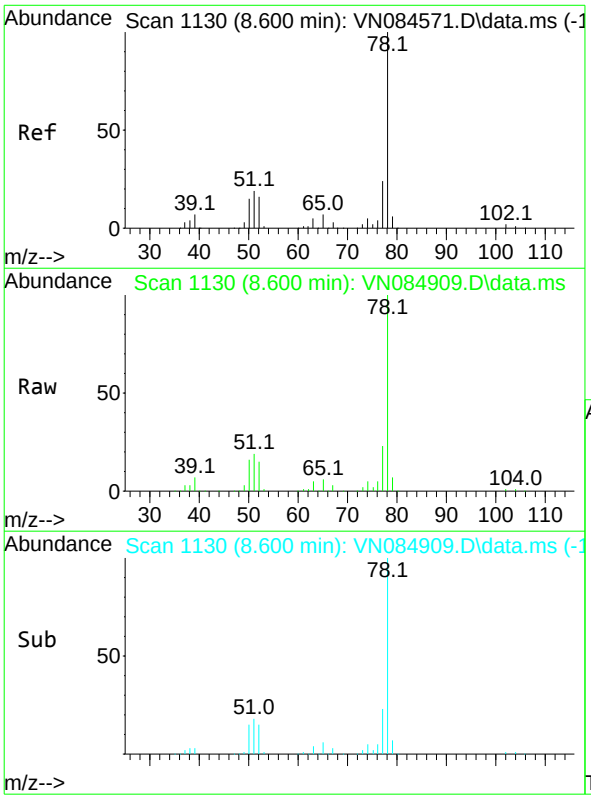
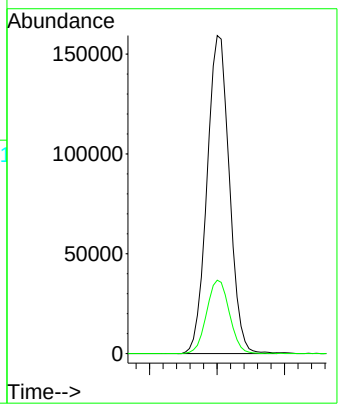
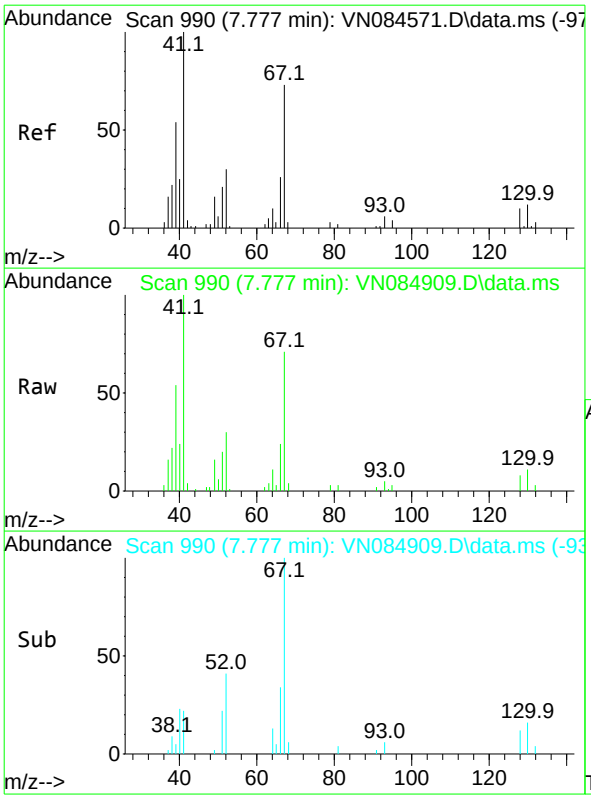


#40
Benzene
Concen: 50.209 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 78 Resp: 365643

Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.1	28.7

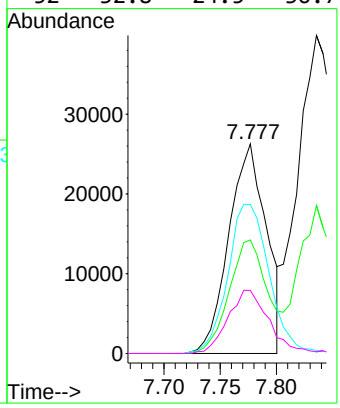




#41
Methacrylonitrile
Concen: 55.156 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 41 Resp: 61024

Ion	Ratio	Lower	Upper
41	100		
39	56.8	43.3	64.9
67	78.4	56.1	84.1
52	32.8	24.5	36.7



Instrument :
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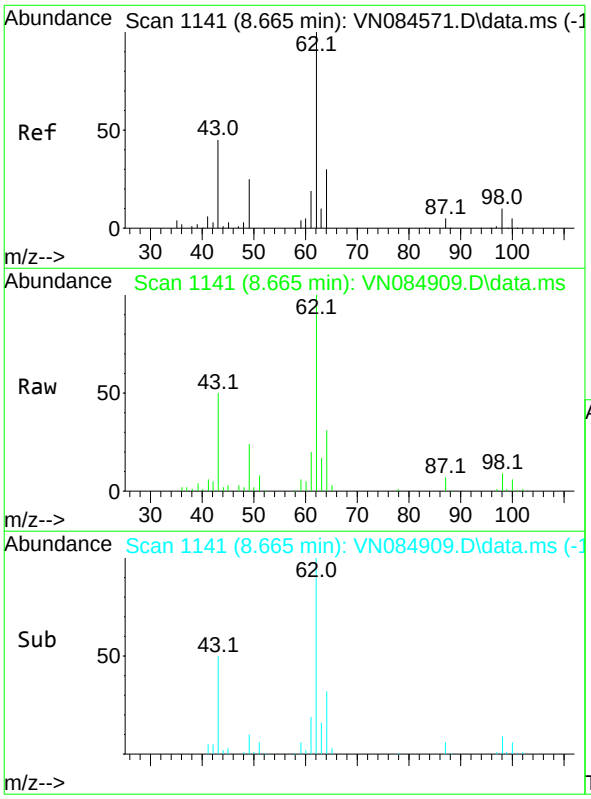
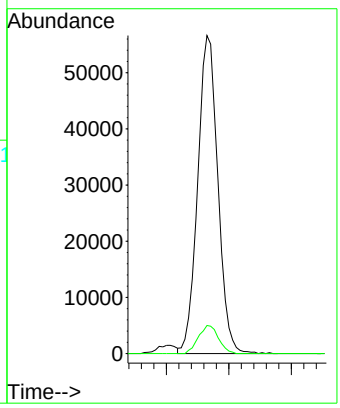
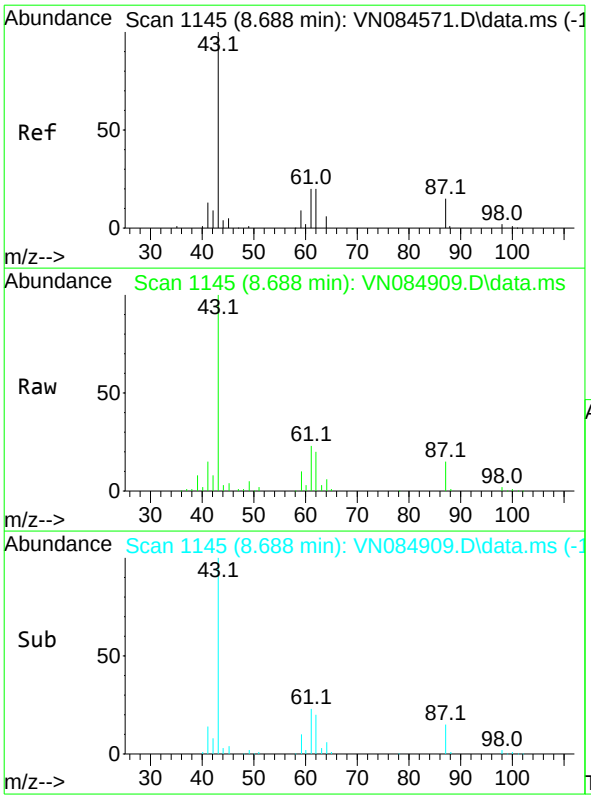


#42
1,2-Dichloroethane
Concen: 53.841 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 62 Resp: 126981

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2

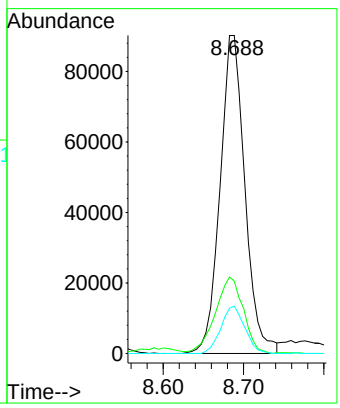




#43
Isopropyl Acetate
Concen: 51.109 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 43 Resp: 194177

Ion	Ratio	Lower	Upper
43	100		
61	27.1	20.4	30.6
87	14.2	10.3	15.5



Instrument :
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ClientSampleId :
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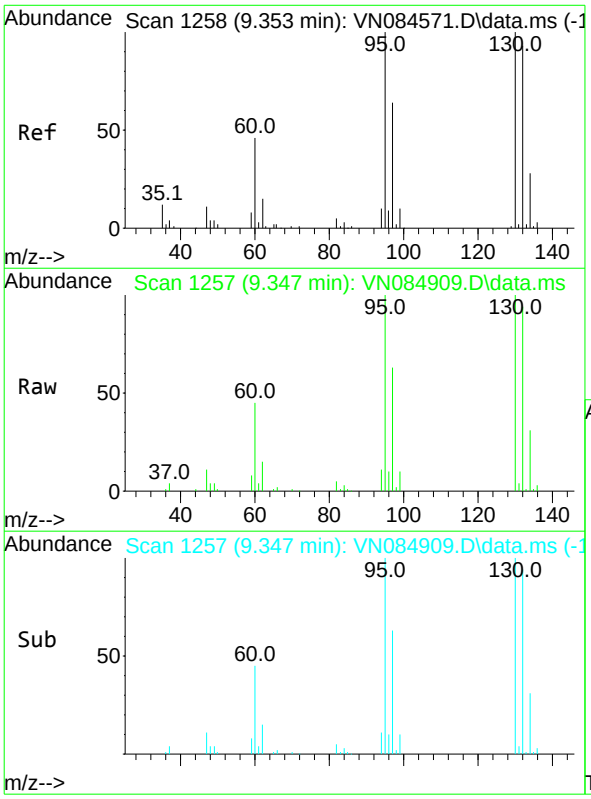
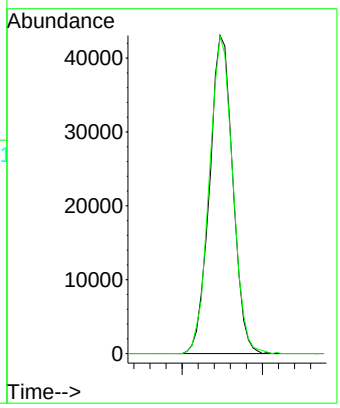
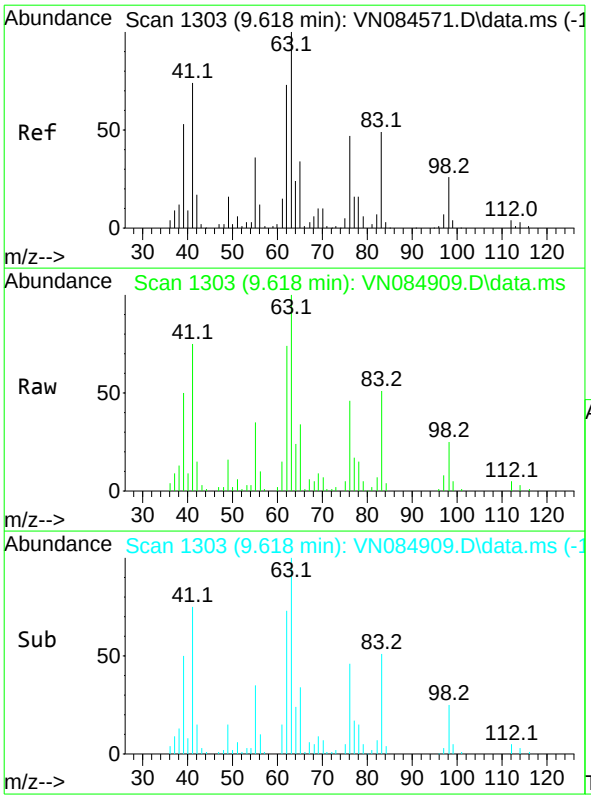


#44
Trichloroethene
Concen: 51.483 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:130 Resp: 86465

Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	203.0

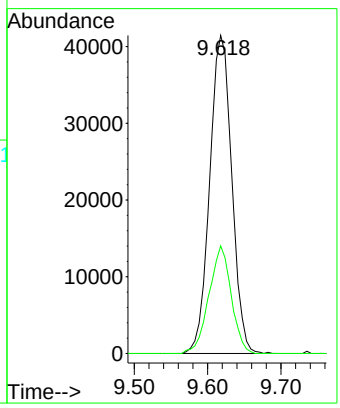




#45
1,2-Dichloropropane
Concen: 50.737 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 63 Resp: 86675

Ion	Ratio	Lower	Upper
63	100		
65	33.9	24.6	37.0



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ClientSampleId :
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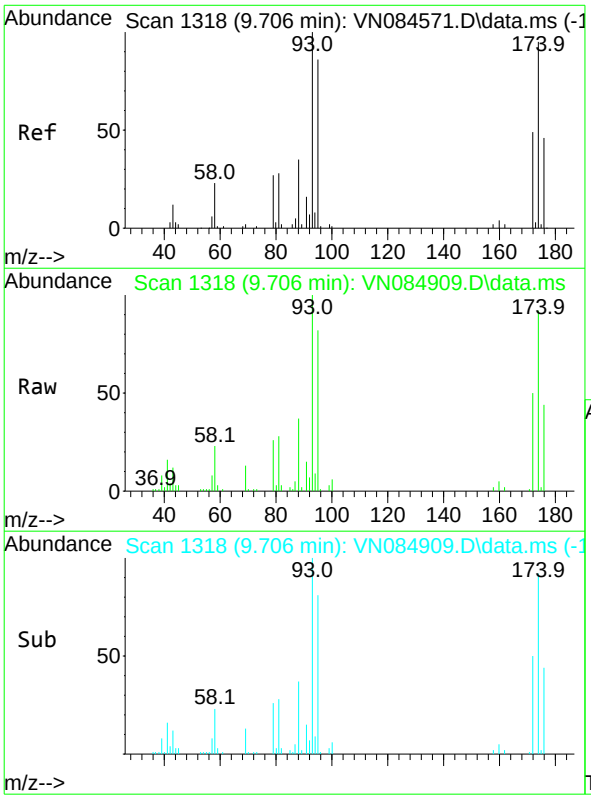
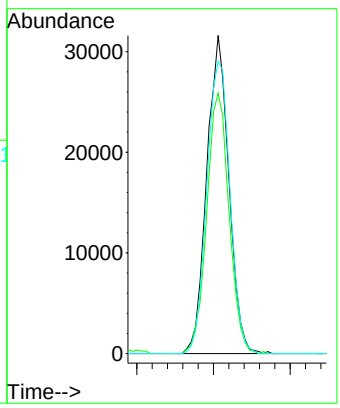
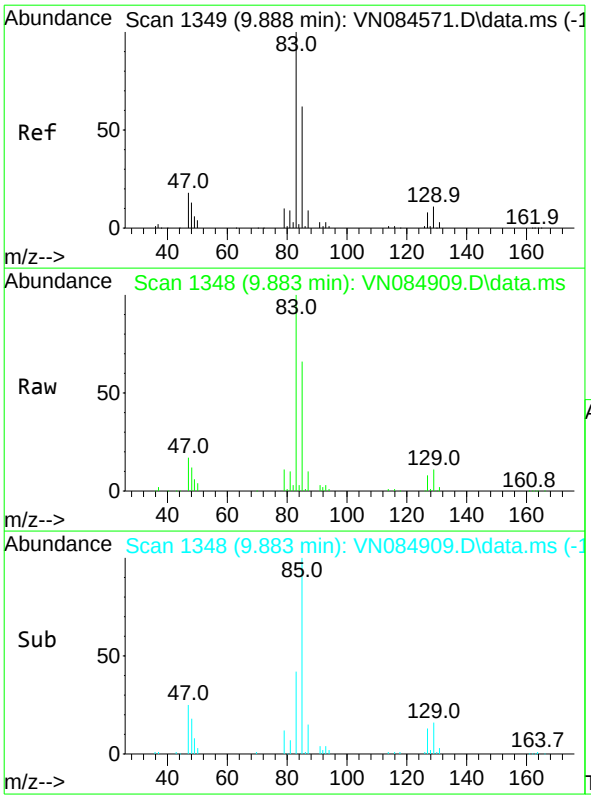


#46
Dibromomethane
Concen: 52.466 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 93 Resp: 63245

Ion	Ratio	Lower	Upper
93	100		
95	82.8	65.0	97.4
174	96.2	71.8	107.8

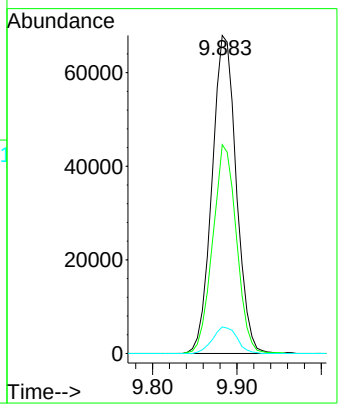




#47
Bromodichloromethane
Concen: 53.353 ug/l
RT: 9.883 min Scan# 13
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 83 Resp: 135570

Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.5	77.3
127	8.4	5.7	8.5



Instrument :
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ClientSampleId :
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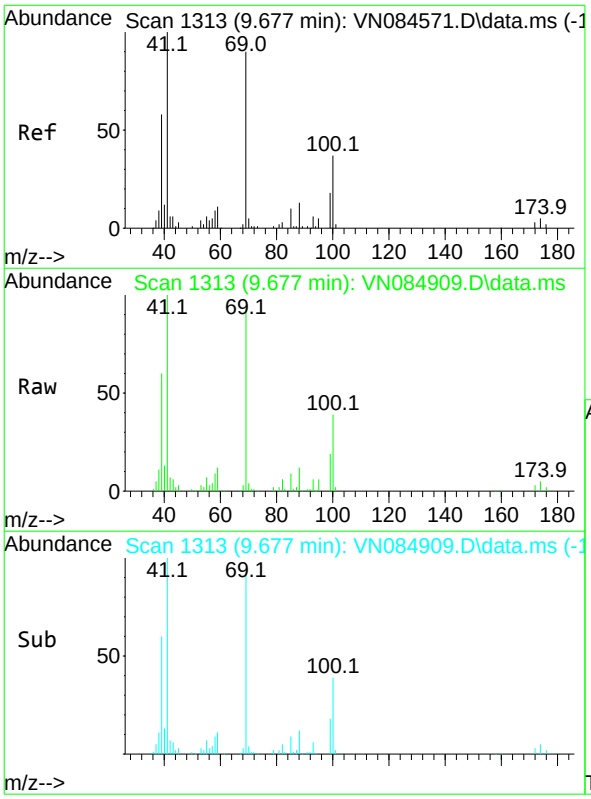
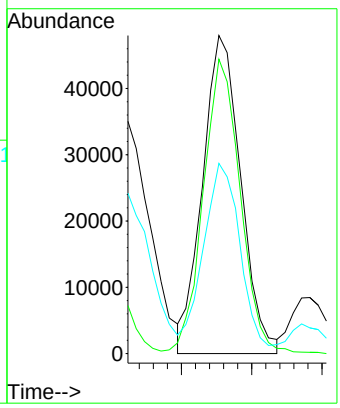
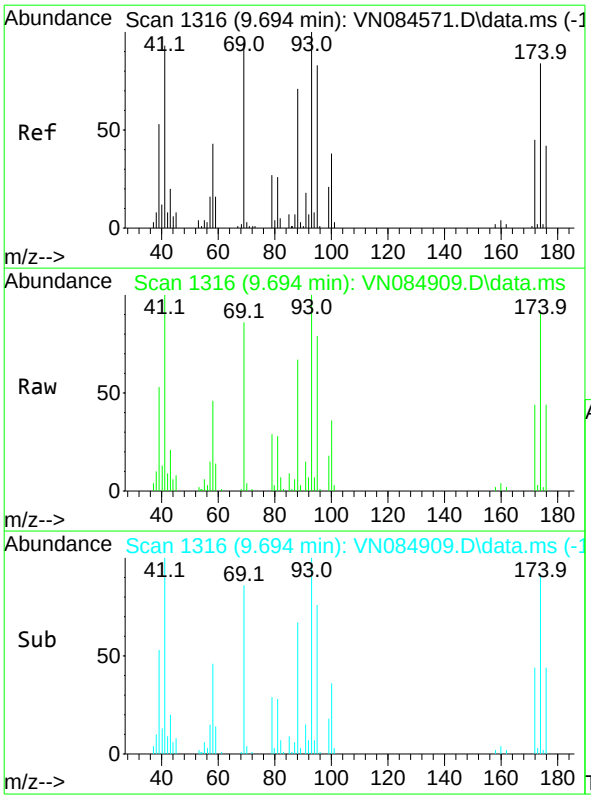


#48
Methyl methacrylate
Concen: 56.590 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 41 Resp: 90613

Ion	Ratio	Lower	Upper
41	100		
69	89.7	67.1	100.7
39	57.9	45.8	68.6

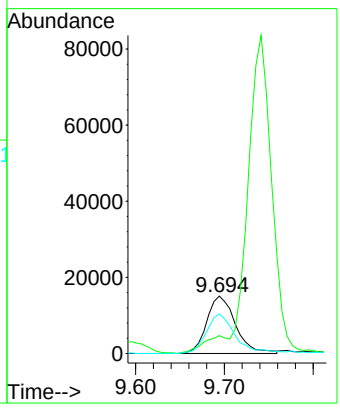




#49
1,4-Dioxane
Concen: 1194.662 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 88 Resp: 33898

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	69.7	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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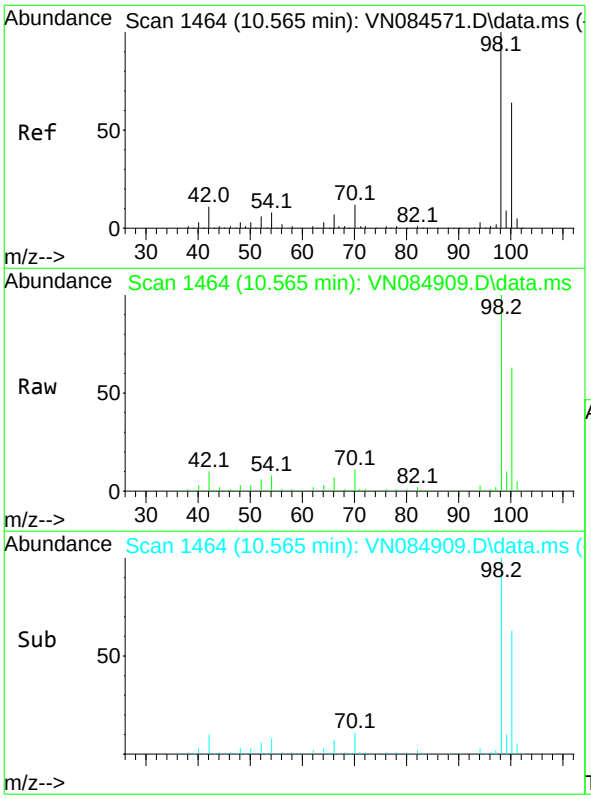
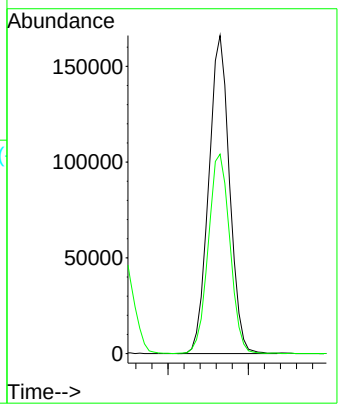
Supervised By :Mahesh Dadoda 11/18/2024

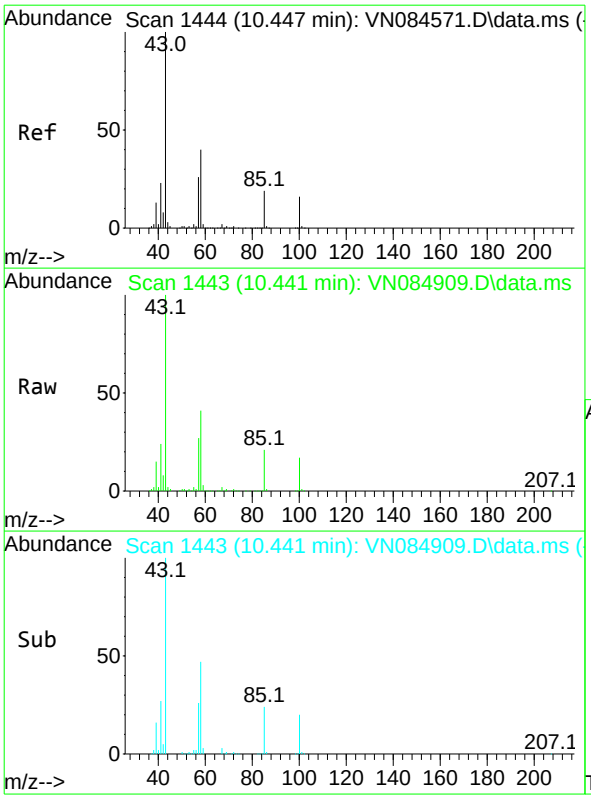


#50
Toluene-d8
Concen: 49.663 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 98 Resp: 299123

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.7	79.1

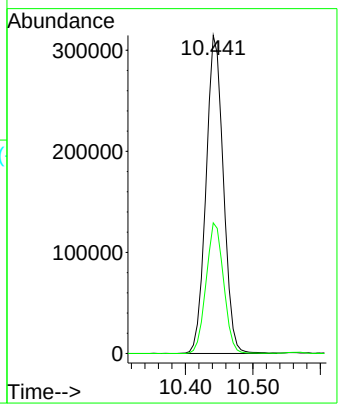




#51
4-Methyl-2-Pentanone
Concen: 286.520 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 43 Resp: 561957

Ion	Ratio	Lower	Upper
43	100		
58	41.5	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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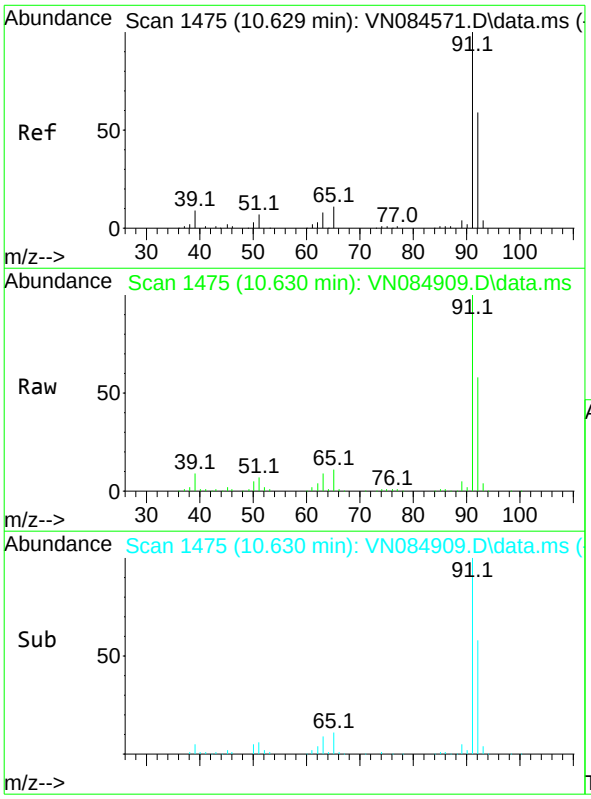
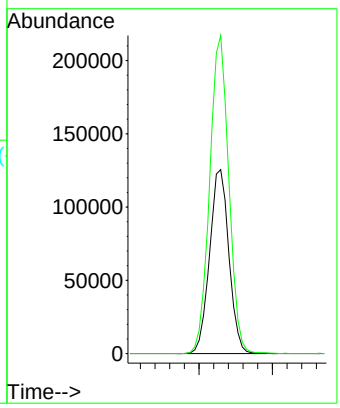
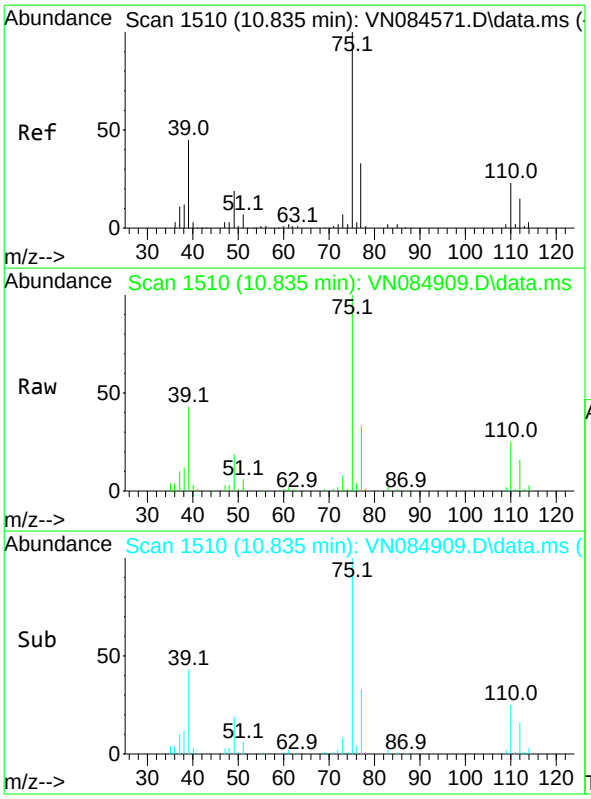


#52
Toluene
Concen: 53.949 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 92 Resp: 229773

Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.3	205.9

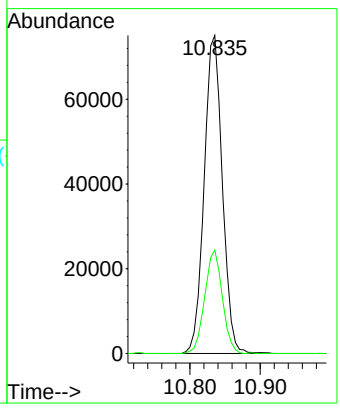




#53
t-1,3-Dichloropropene
Concen: 51.239 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 75 Resp: 134769

Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.4	38.0



Instrument :
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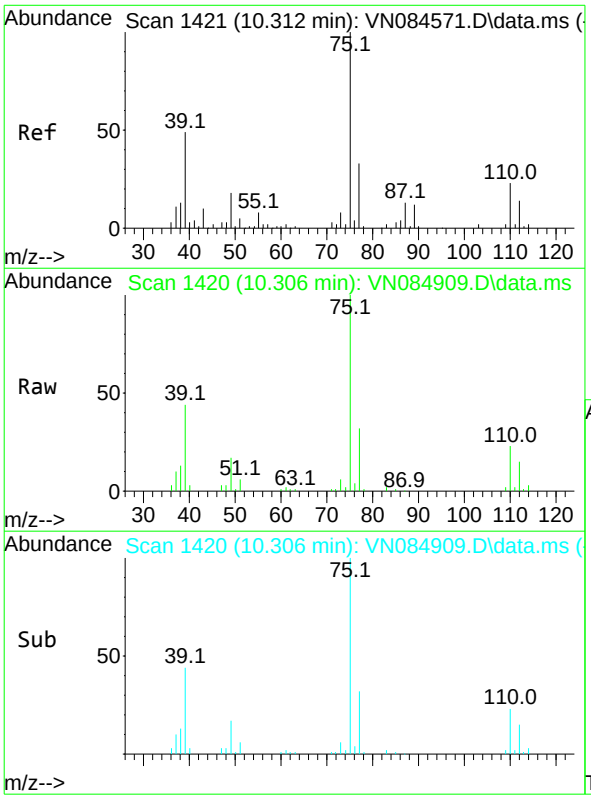
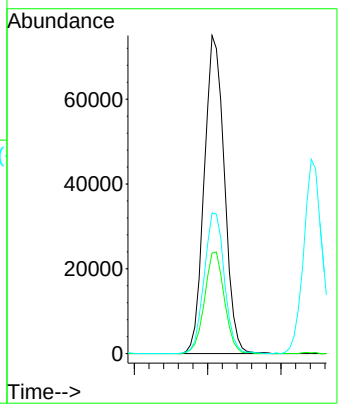
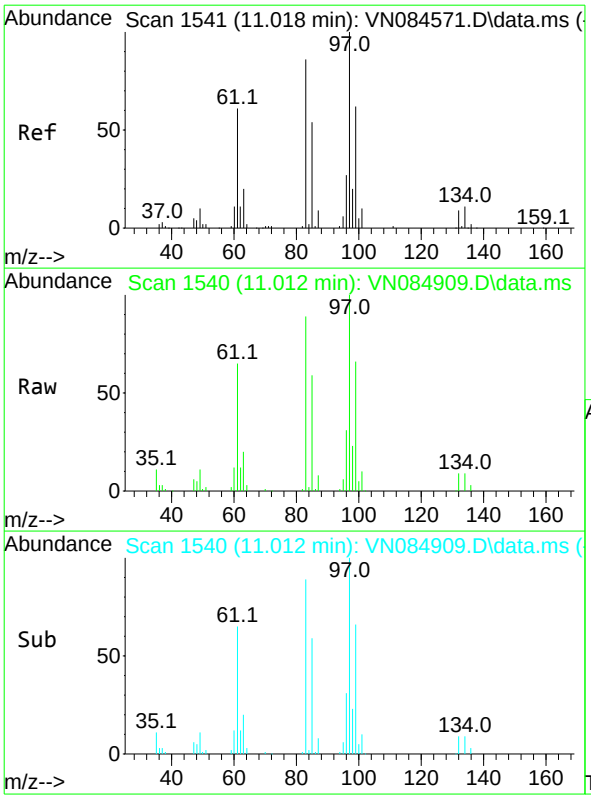


#54
cis-1,3-Dichloropropene
Concen: 51.361 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 75 Resp: 142978

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.2	36.2
39	44.2	38.7	58.1

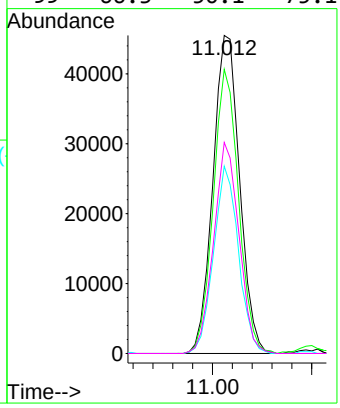




#55
1,1,2-Trichloroethane
Concen: 53.007 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 97 Resp: 85041

Ion	Ratio	Lower	Upper
97	100		
83	89.3	71.0	106.4
85	58.9	41.7	62.5
99	66.3	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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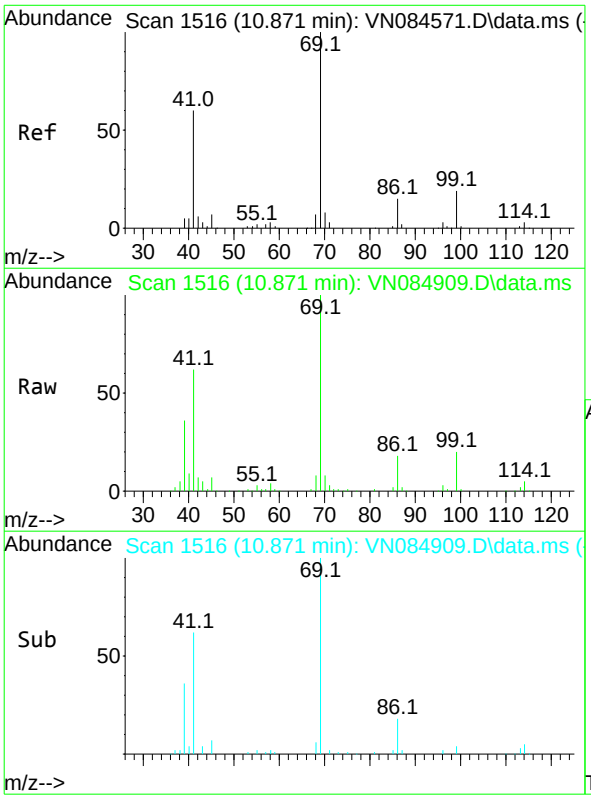
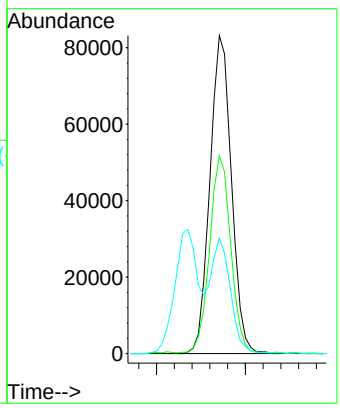
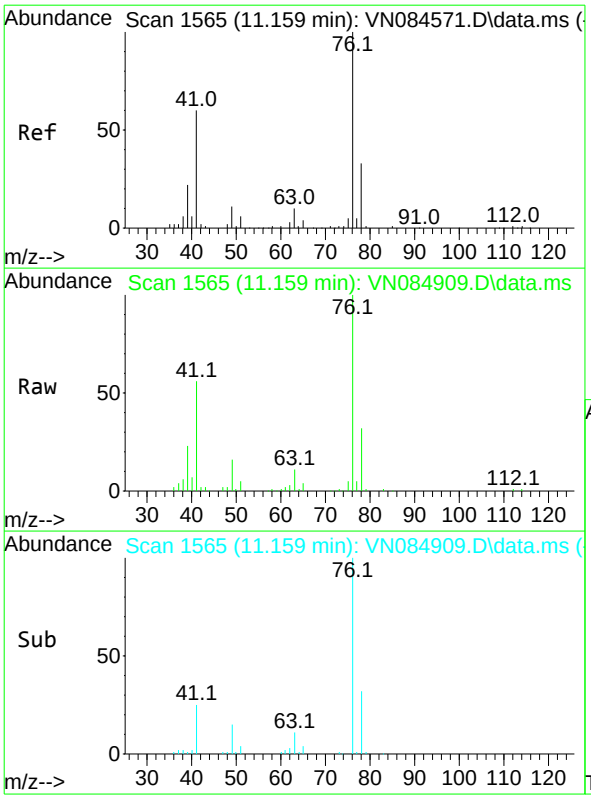


#56
Ethyl methacrylate
Concen: 60.328 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 69 Resp: 139998

Ion	Ratio	Lower	Upper
69	100		
41	60.7	53.3	79.9
39	33.7	28.8	43.2

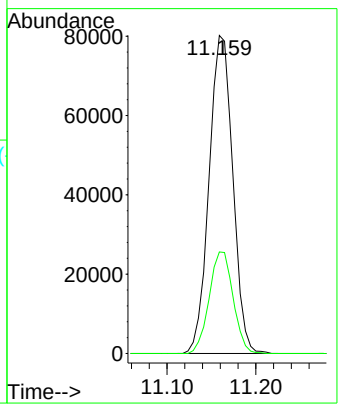




#57
1,3-Dichloropropane
Concen: 54.049 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 76 Resp: 148819

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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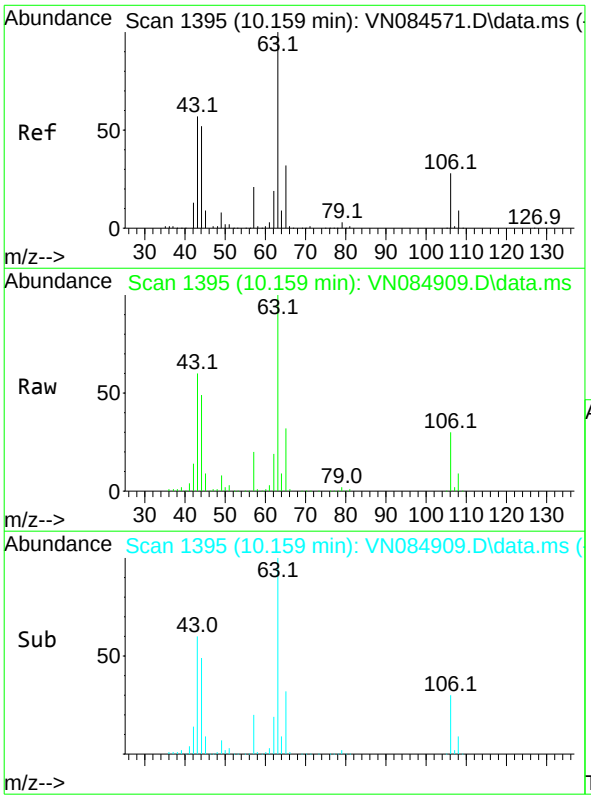
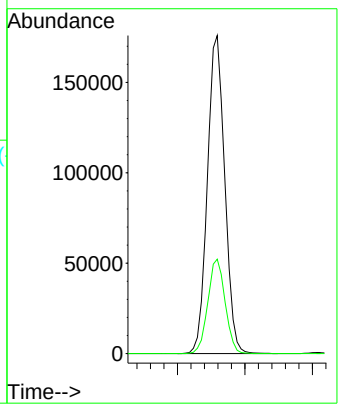
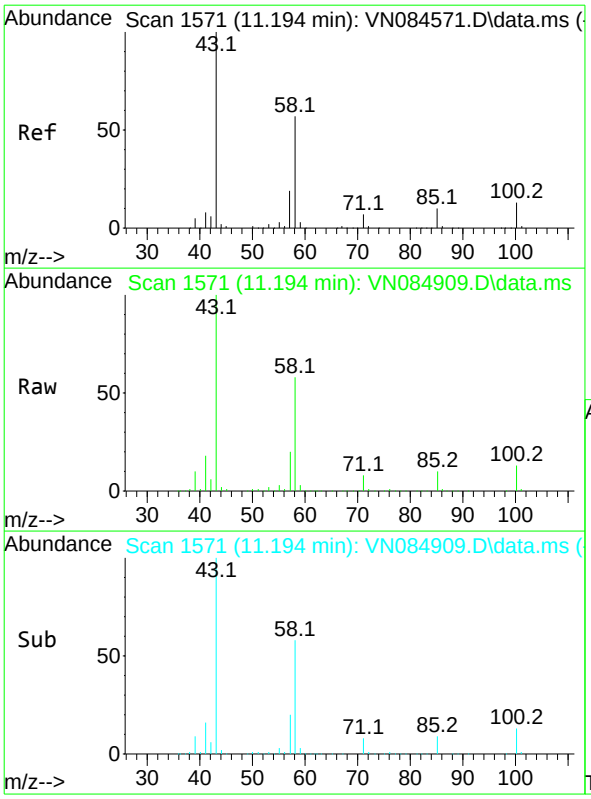


#58
2-Chloroethyl Vinyl ether
Concen: 288.918 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 63 Resp: 313736

Ion	Ratio	Lower	Upper
63	100		
106	29.6	21.8	32.6

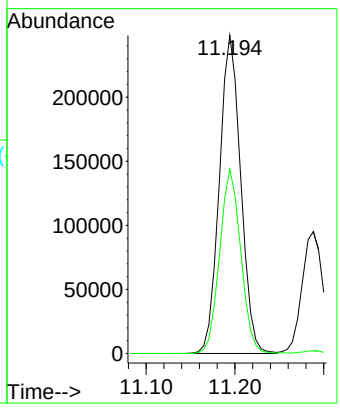




#59
2-Hexanone
Concen: 291.095 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 43 Resp: 415570

Ion	Ratio	Lower	Upper
43	100		
58	57.1	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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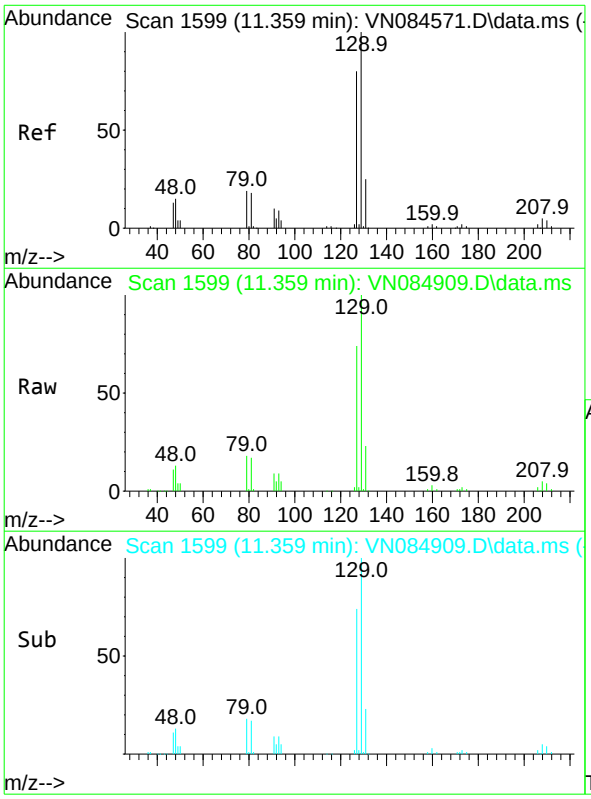
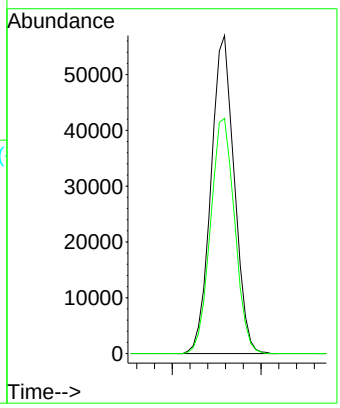
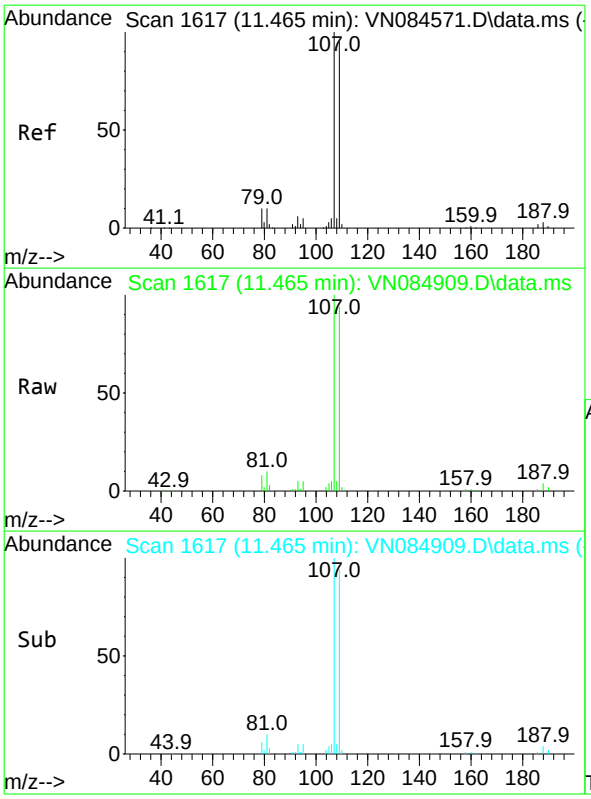


#60
Dibromochloromethane
Concen: 56.853 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:129 Resp: 103955

Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.3	114.9

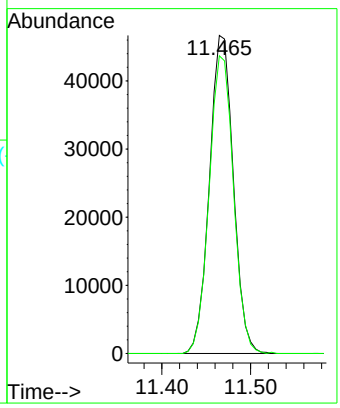




#61
1,2-Dibromoethane
Concen: 53.096 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:107 Resp: 87232

Ion	Ratio	Lower	Upper
107	100		
109	95.2	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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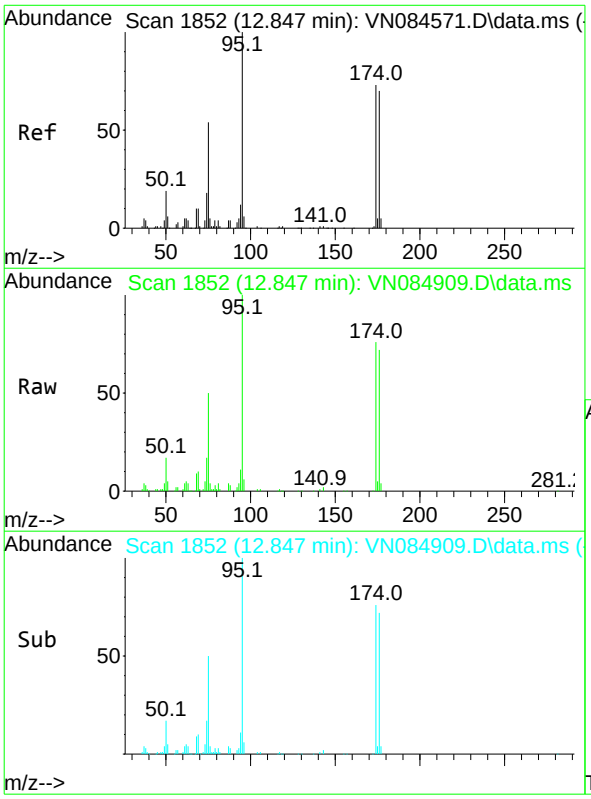
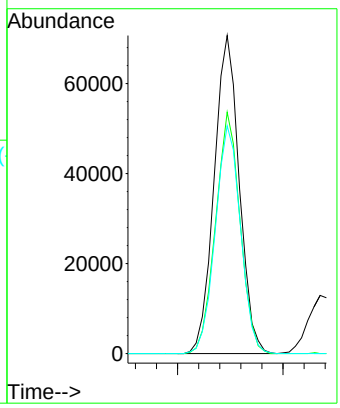
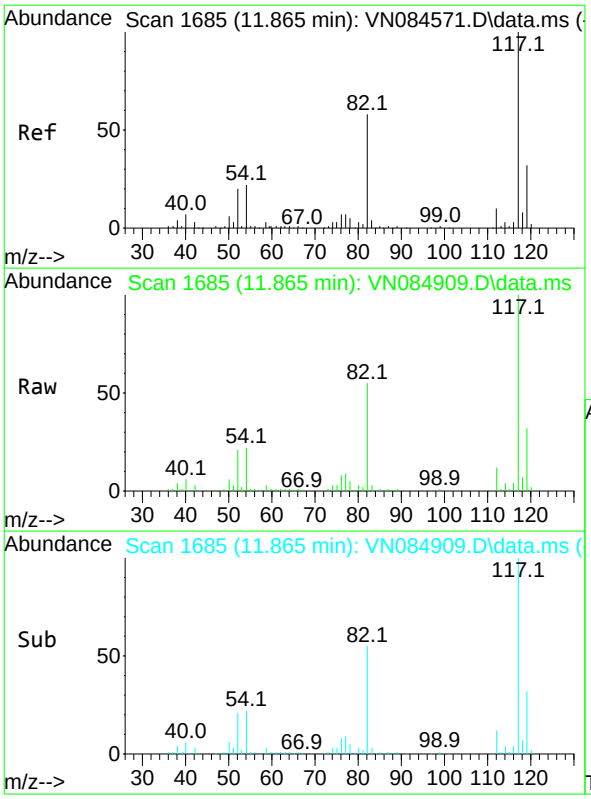


#62
4-Bromofluorobenzene
Concen: 51.936 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 95 Resp: 116907

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	145.2
176	71.7	0.0	140.0

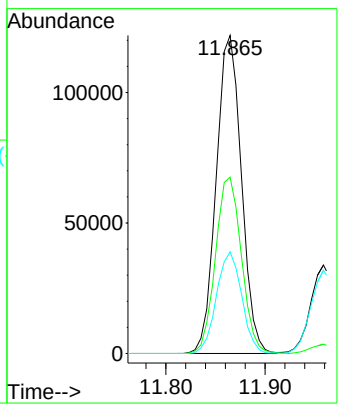




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:117 Resp: 215240

Ion	Ratio	Lower	Upper
117	100		
82	55.4	47.2	70.8
119	32.0	25.4	38.0



Instrument :
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ClientSampleId :
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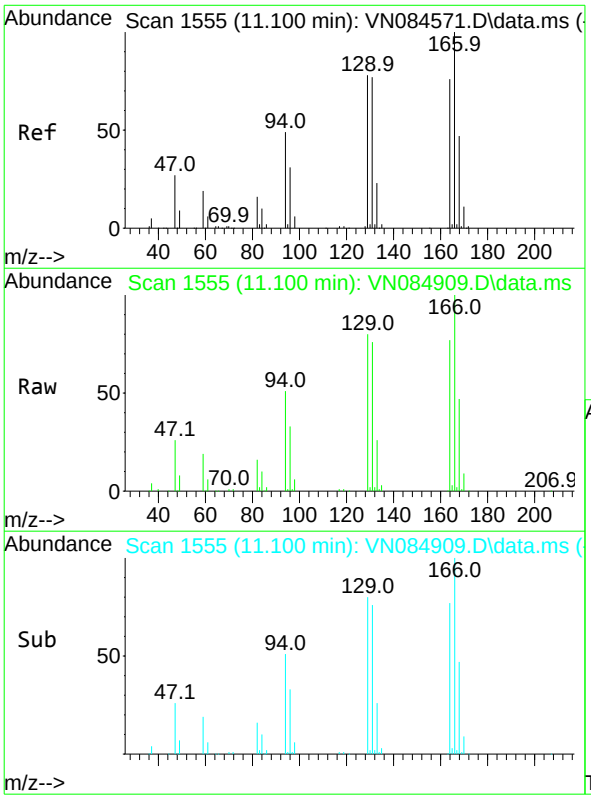
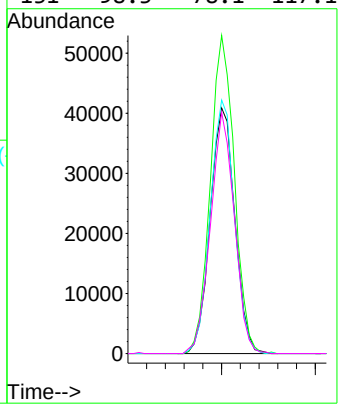
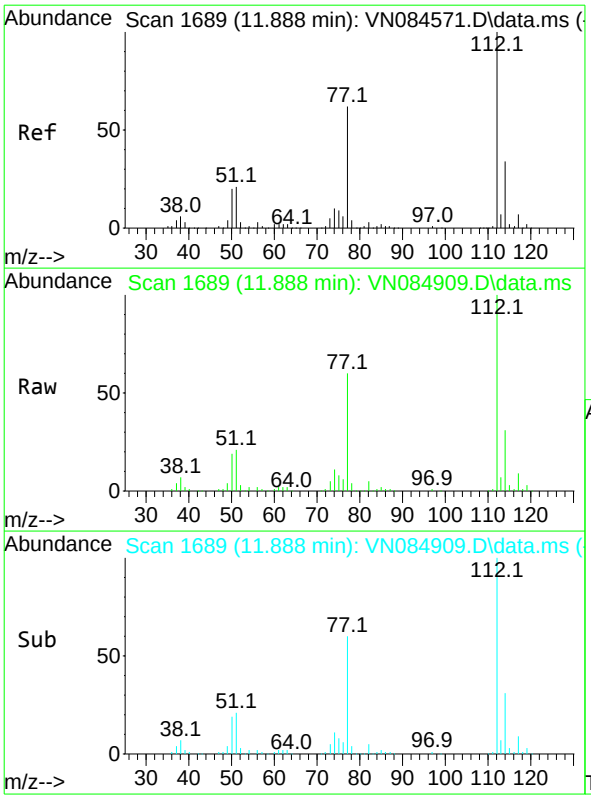


#64
Tetrachloroethene
Concen: 52.253 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:164 Resp: 74811

Ion	Ratio	Lower	Upper
164	100		
166	129.5	101.0	151.4
129	103.2	80.8	121.2
131	98.3	78.1	117.1

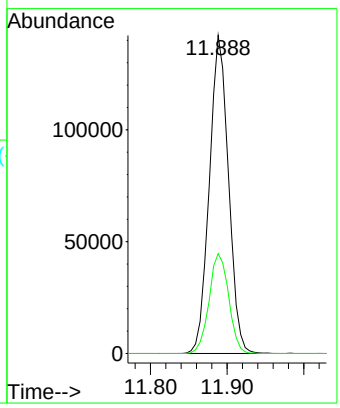




#65
Chlorobenzene
Concen: 51.181 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:112 Resp: 246450

Ion	Ratio	Lower	Upper
112	100		
114	31.4	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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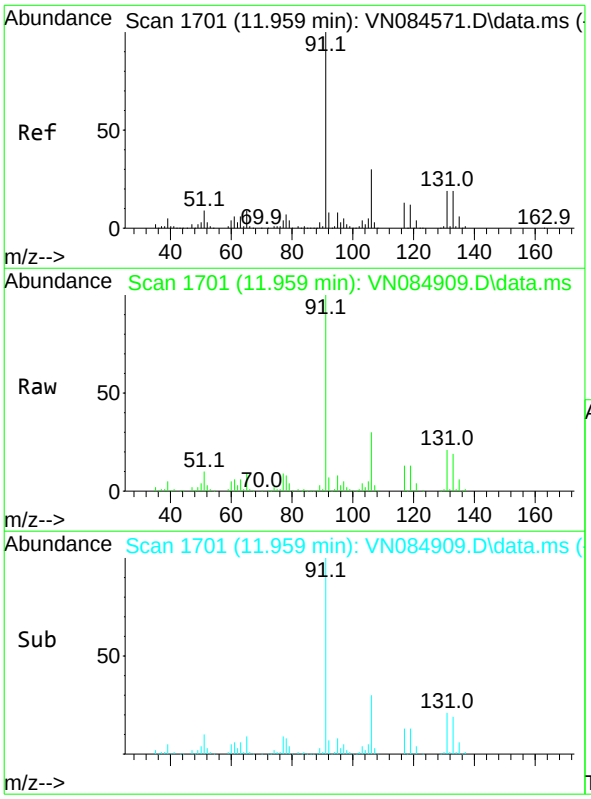
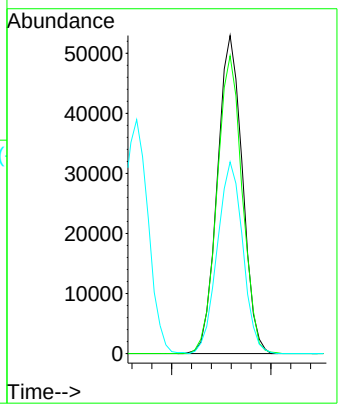
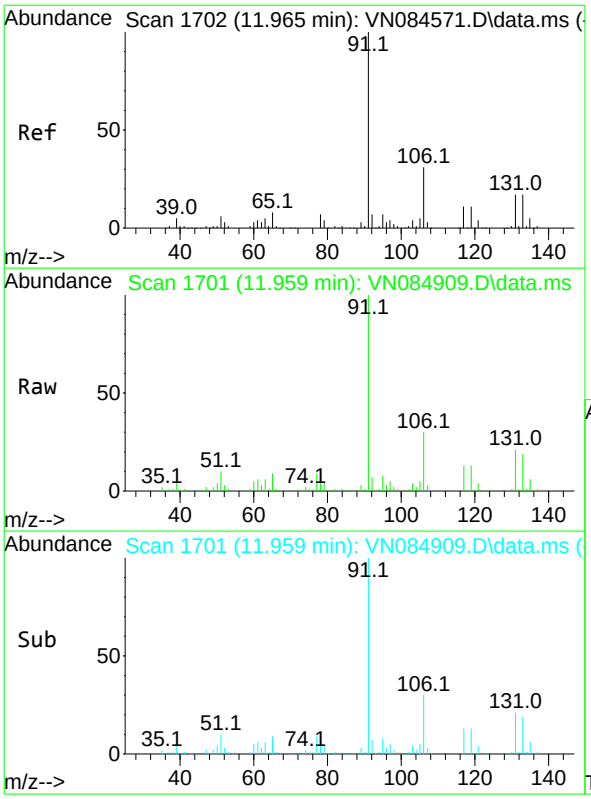


#66
1,1,1,2-Tetrachloroethane
Concen: 55.427 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:131 Resp: 92836

Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.9	143.7
119	61.4	32.8	98.3

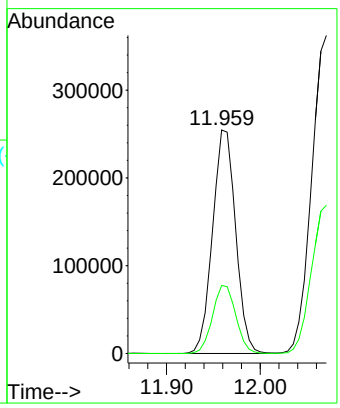




#67
Ethyl Benzene
Concen: 54.275 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 91 Resp: 436251

Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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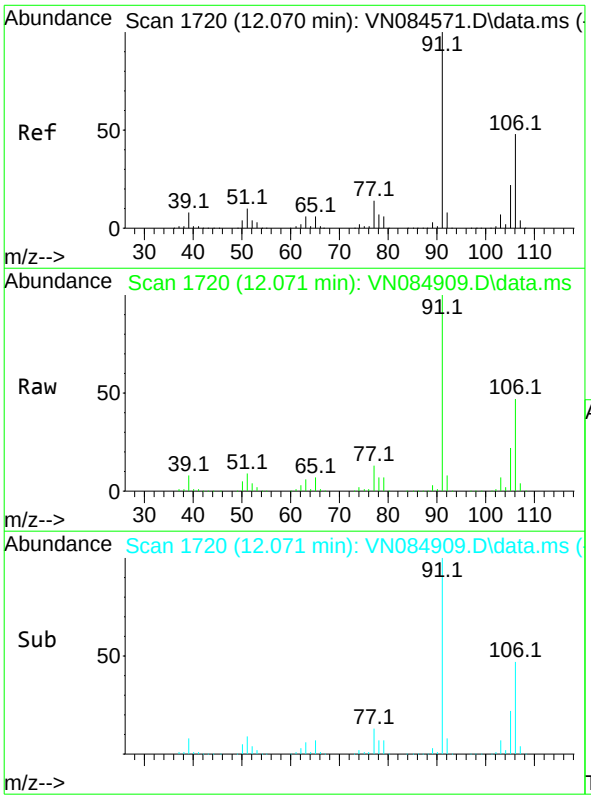
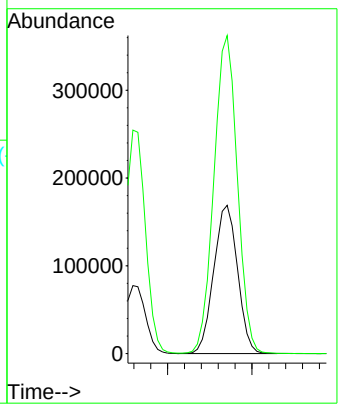
Supervised By :Mahesh Dadoda 11/18/2024

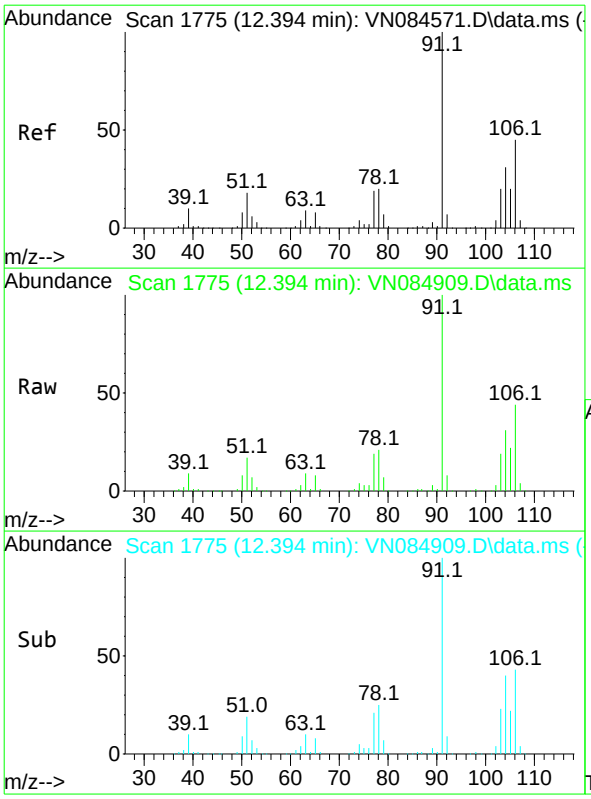


#68
m/p-Xylenes
Concen: 108.888 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:106 Resp: 331346

Ion	Ratio	Lower	Upper
106	100		
91	211.3	167.1	250.7

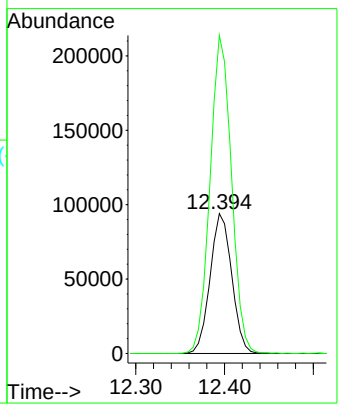




#69
o-Xylene
Concen: 55.918 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:106 Resp: 159179

Ion	Ratio	Lower	Upper
106	100		
91	225.2	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
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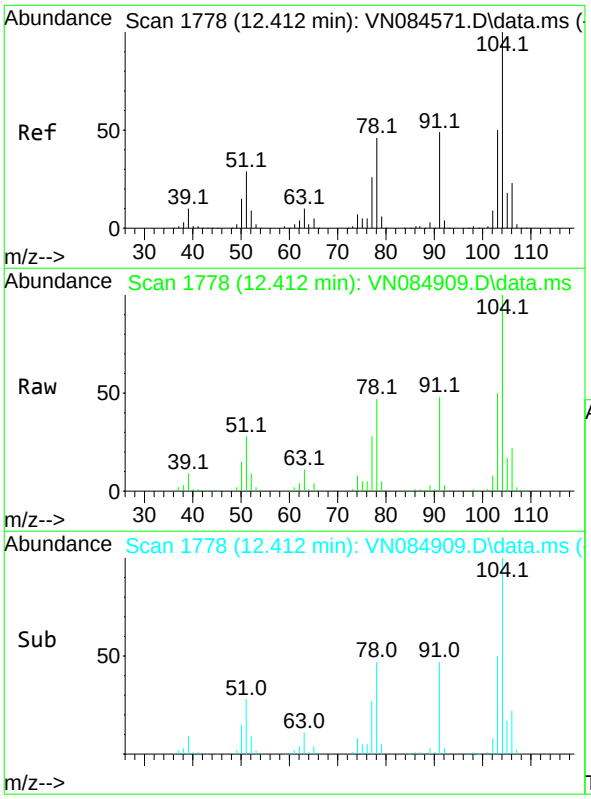
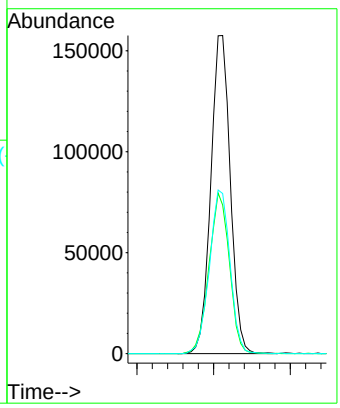
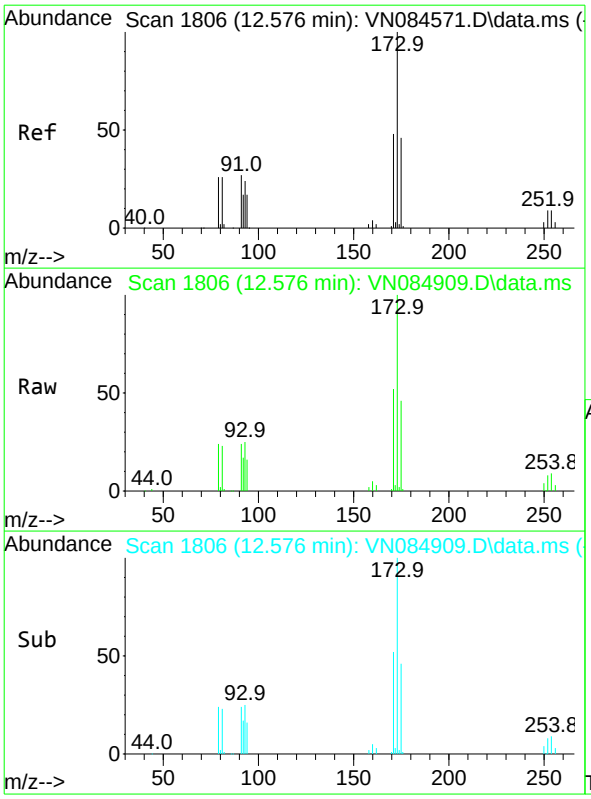


#70
Styrene
Concen: 55.985 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:104 Resp: 278012

Ion	Ratio	Lower	Upper
104	100		
78	52.6	42.7	64.1
103	54.2	43.6	65.4





#71
Bromoform
Concen: 55.203 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 69573

Ion	Ratio	Lower	Upper
173	100		
175	49.4	23.5	70.6
254	0.0	0.0	0.0

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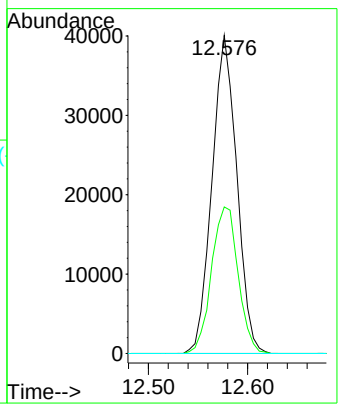
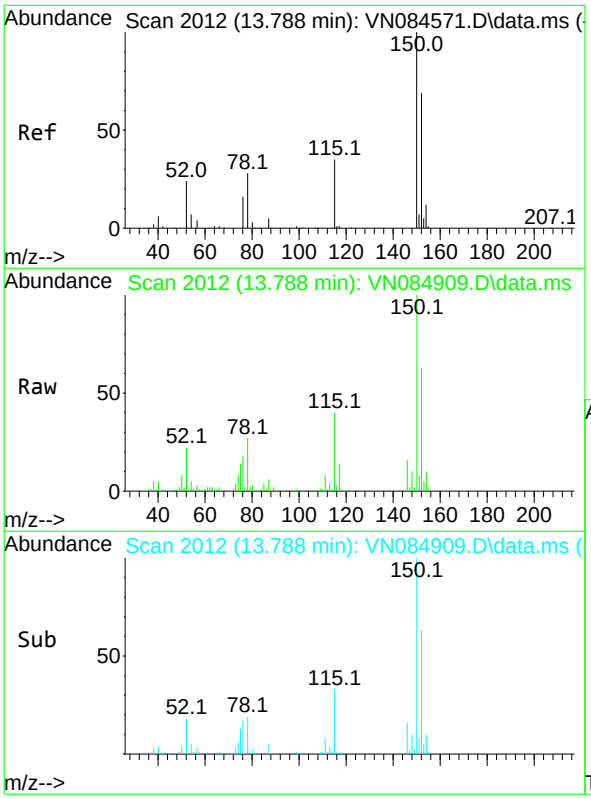
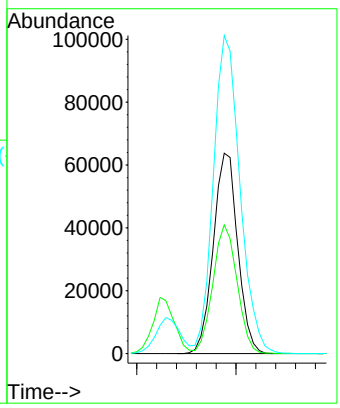


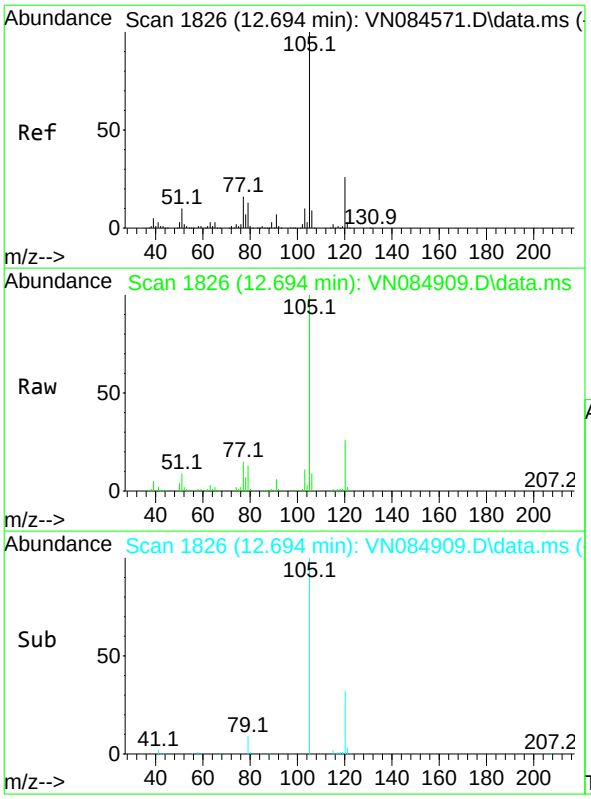


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:152 Resp: 109038

Ion	Ratio	Lower	Upper
152	100		
115	63.4	31.3	93.9
150	173.3	0.0	349.8

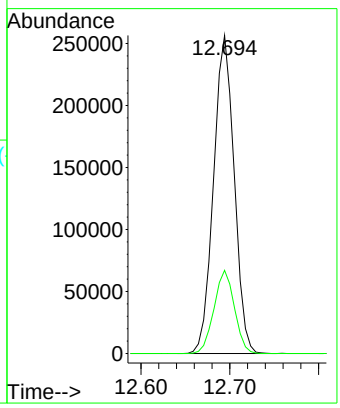




#73
Isopropylbenzene
Concen: 54.153 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:105 Resp: 413792

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7



Instrument :
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ClientSampleId :
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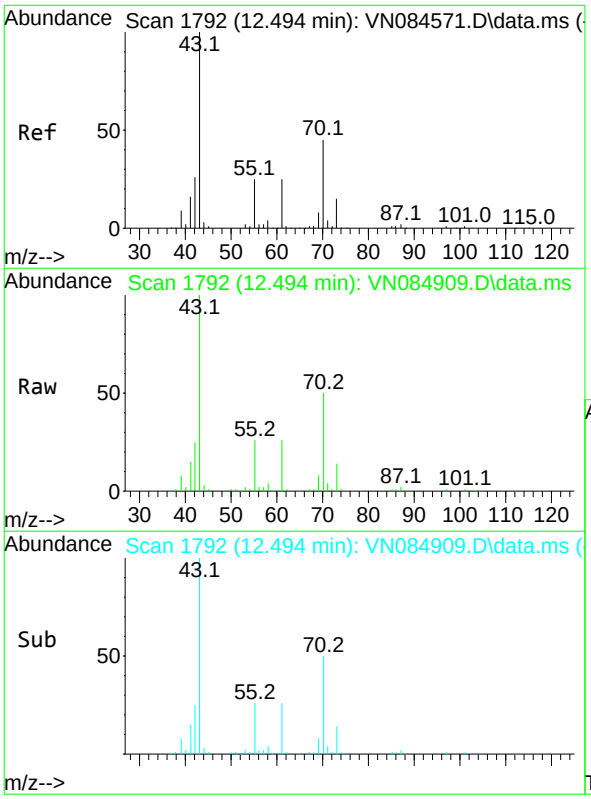
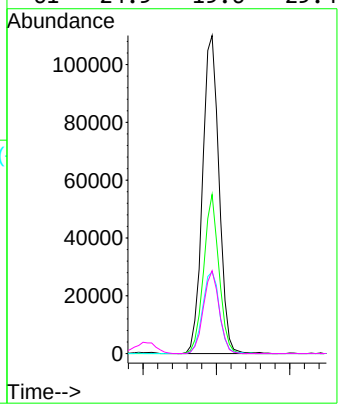
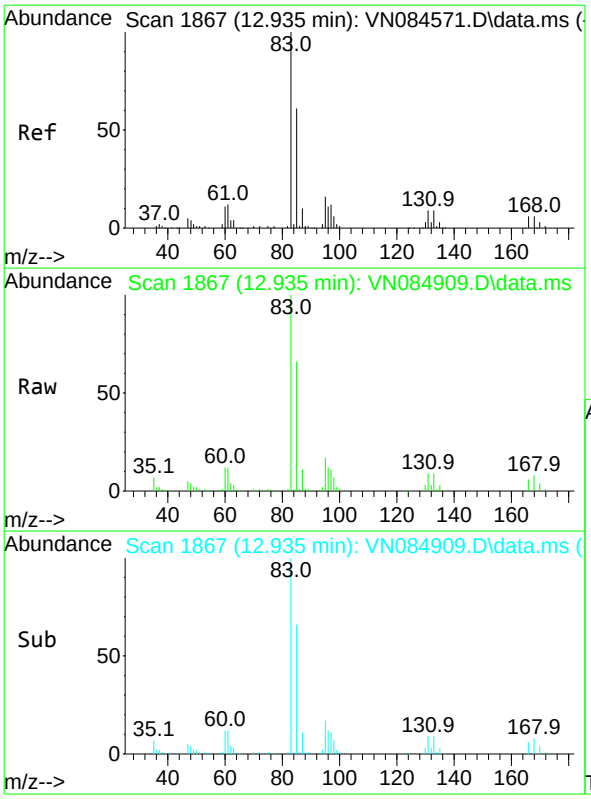


#74
N-amyl acetate
Concen: 52.810 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 43 Resp: 171747

Ion	Ratio	Lower	Upper
43	100		
70	46.3	34.4	51.6
55	26.2	19.6	29.4
61	24.9	19.6	29.4

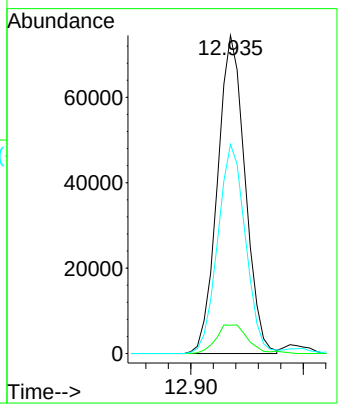




#75
1,1,2,2-Tetrachloroethane
Concen: 49.773 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 83 Resp: 126946

Ion	Ratio	Lower	Upper
83	100		
131	10.4	4.9	14.7
85	65.9	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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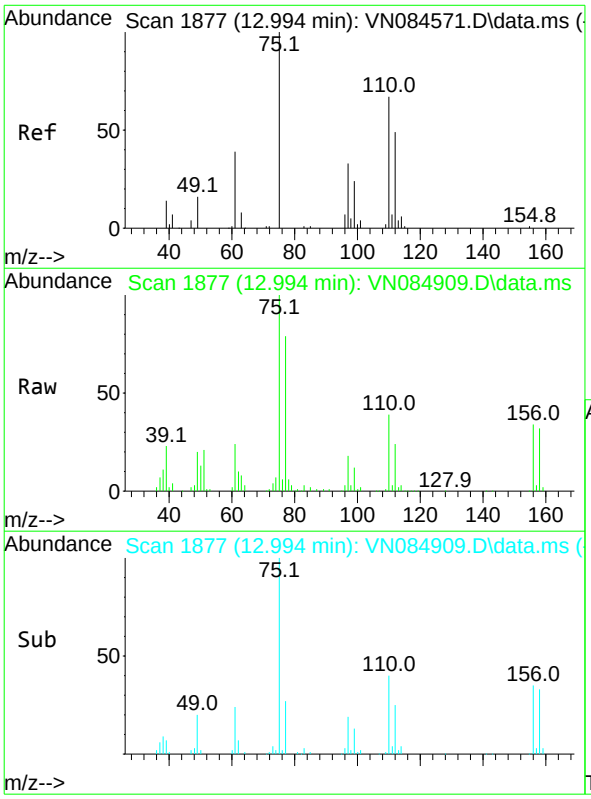
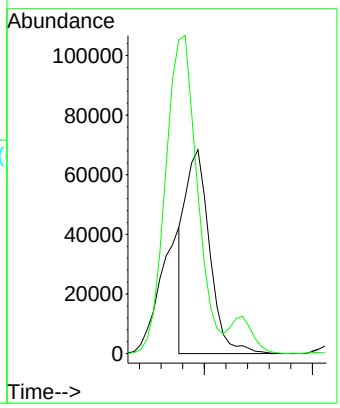
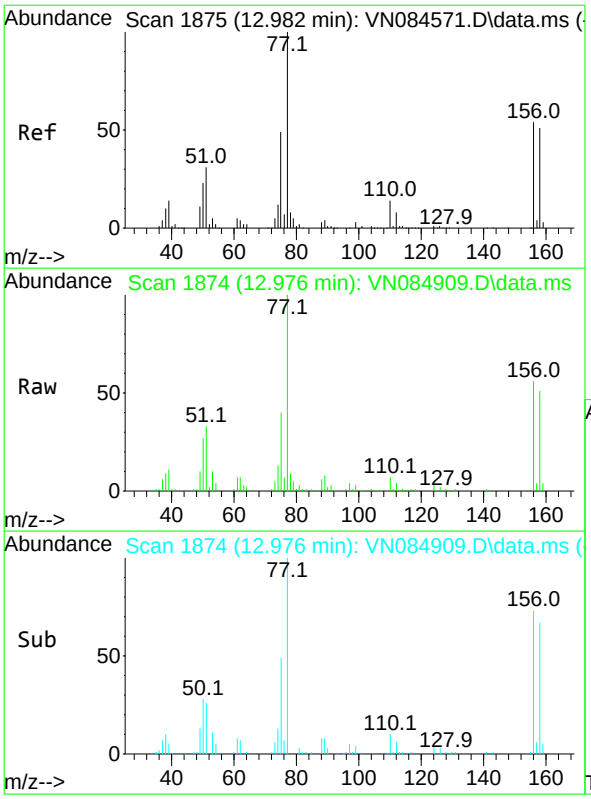


#76
1,2,3-Trichloropropane
Concen: 49.238 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 75 Resp: 107321

Ion	Ratio	Lower	Upper
75	100		
77	202.7	96.9	290.7

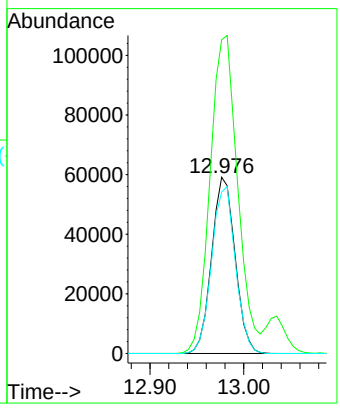




#77
Bromobenzene
Concen: 50.015 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:156 Resp: 102740

Ion	Ratio	Lower	Upper
156	100		
77	211.7	115.1	345.3
158	96.1	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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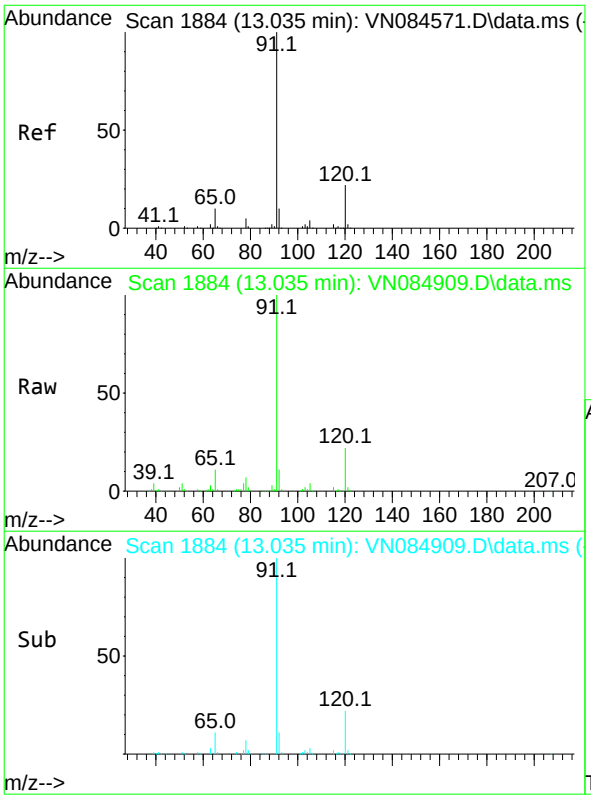
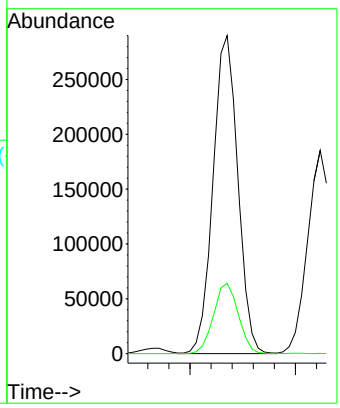
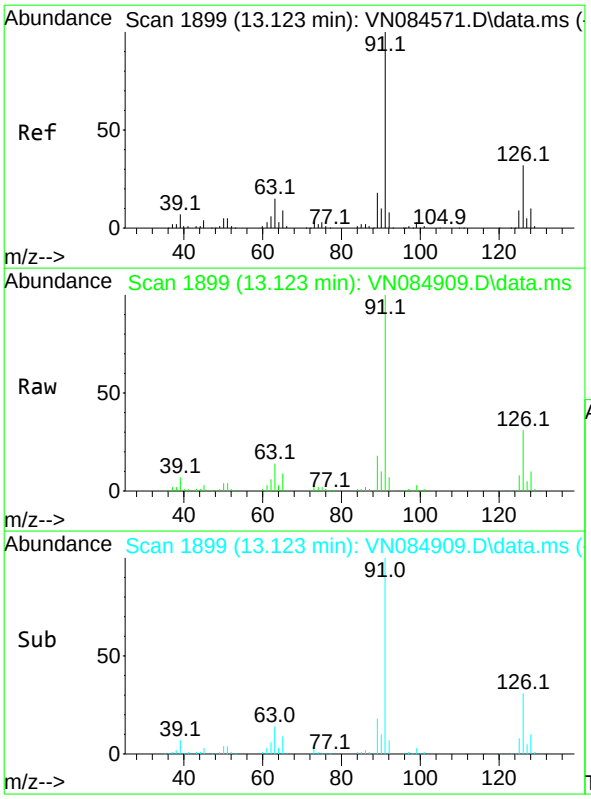


#78
n-propylbenzene
Concen: 52.824 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 91 Resp: 472992

Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.8	32.4

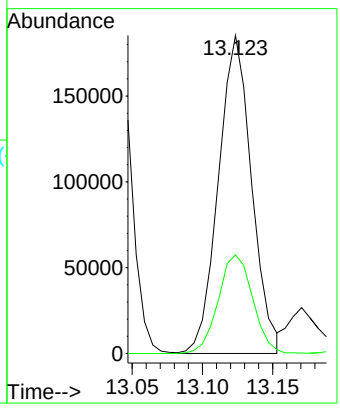




#79
2-Chlorotoluene
Concen: 52.058 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 91 Resp: 304575

Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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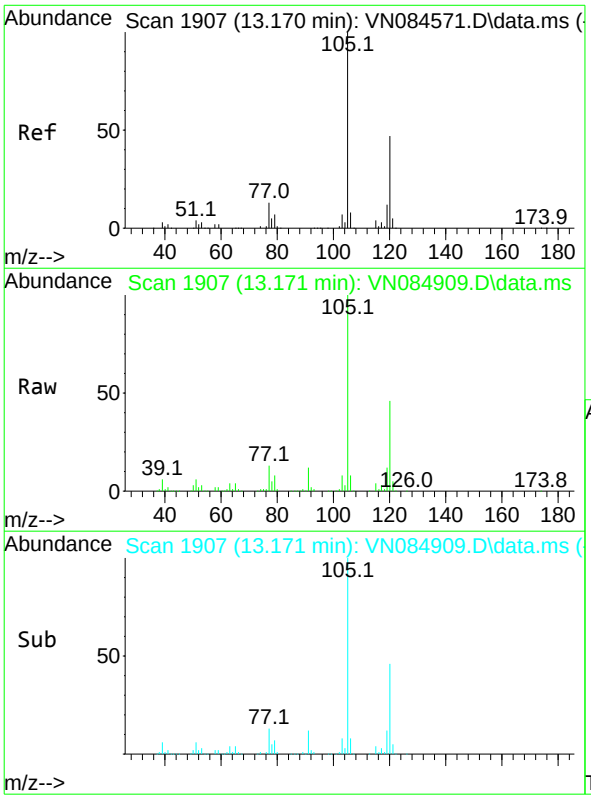
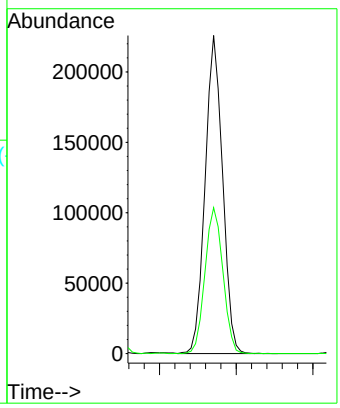
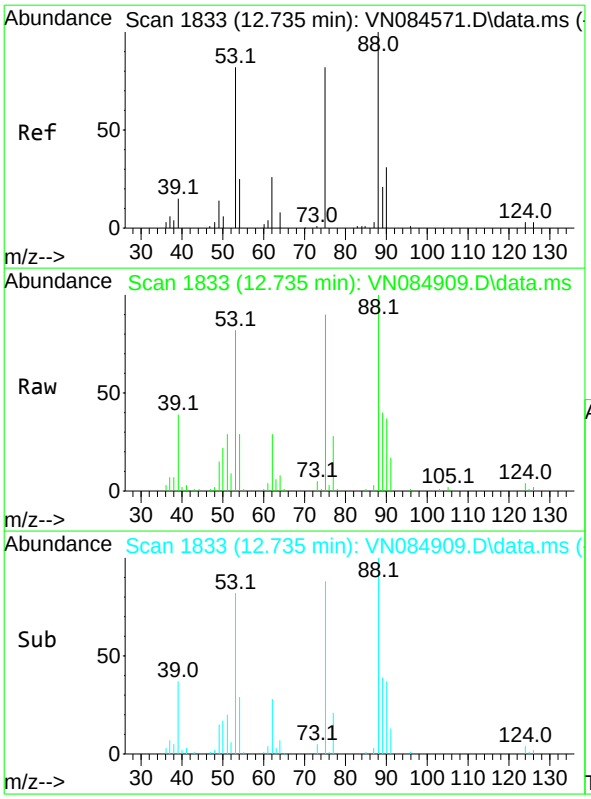


#80
1,3,5-Trimethylbenzene
Concen: 56.263 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:105 Resp: 356319

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.7	71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 47.407 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 75 Resp: 43555

Ion	Ratio	Lower	Upper
75	100		
53	95.3	78.0	117.0
89	46.0	35.5	53.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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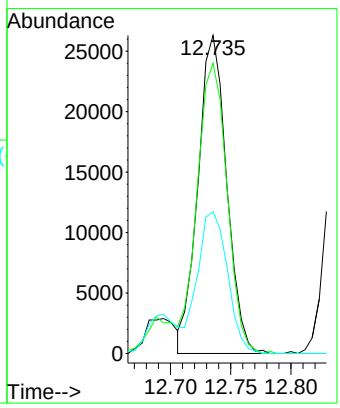
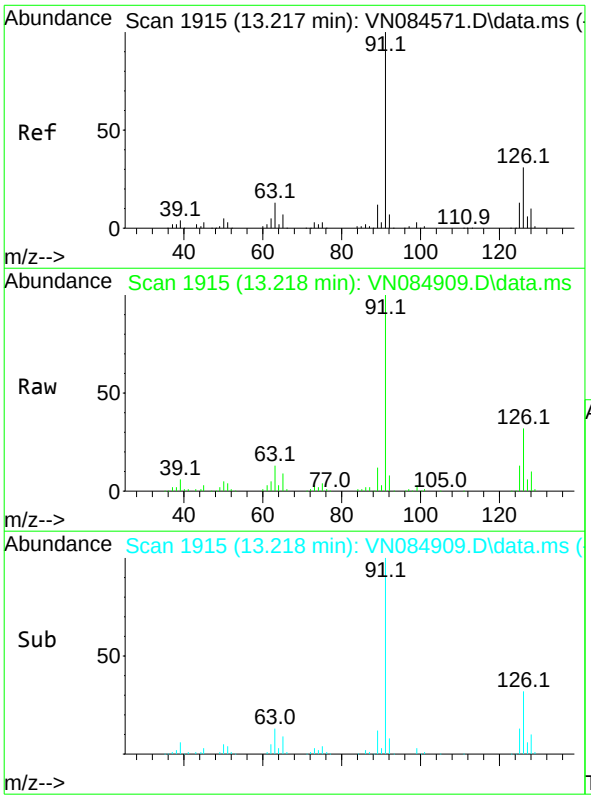
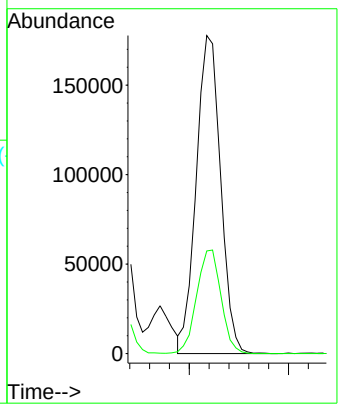


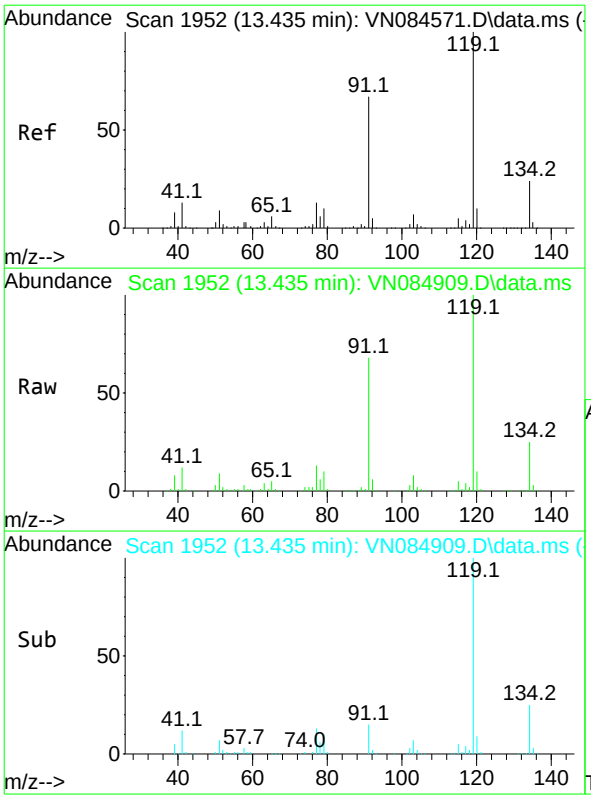


#82
4-Chlorotoluene
Concen: 49.253 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 91 Resp: 303261

Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.7	47.1

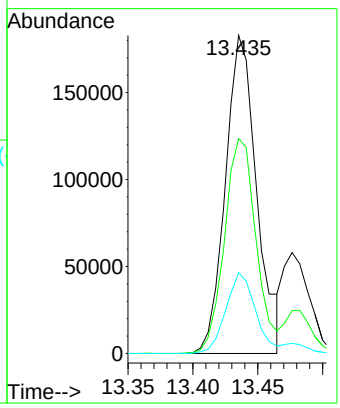




#83
tert-Butylbenzene
Concen: 58.692 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:119 Resp: 307629

Ion	Ratio	Lower	Upper
119	100		
91	68.1	34.1	102.3
134	23.9	12.8	38.4



Instrument :
MSVOA_N
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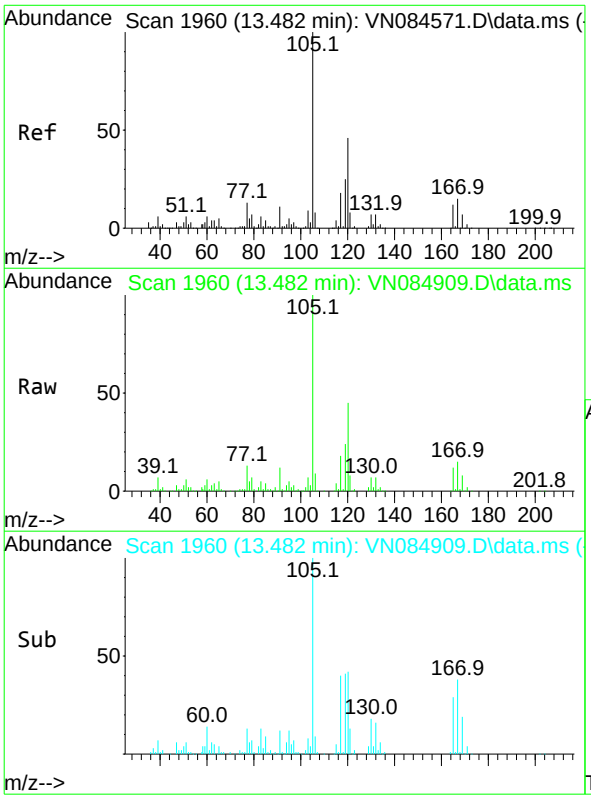
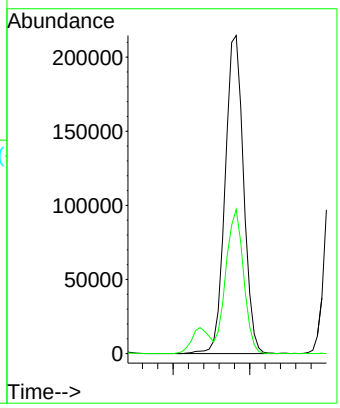
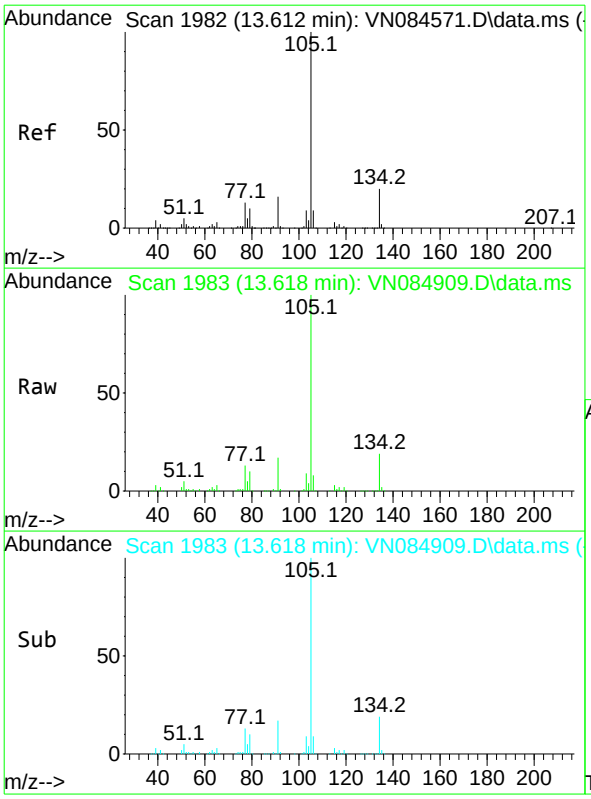


#84
1,2,4-Trimethylbenzene
Concen: 54.788 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:105 Resp: 358117

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.3	66.8

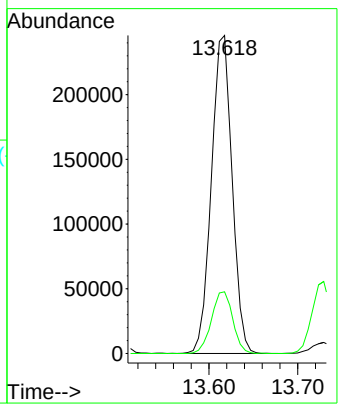




#85
sec-Butylbenzene
Concen: 53.808 ug/l
RT: 13.618 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:105 Resp: 398386

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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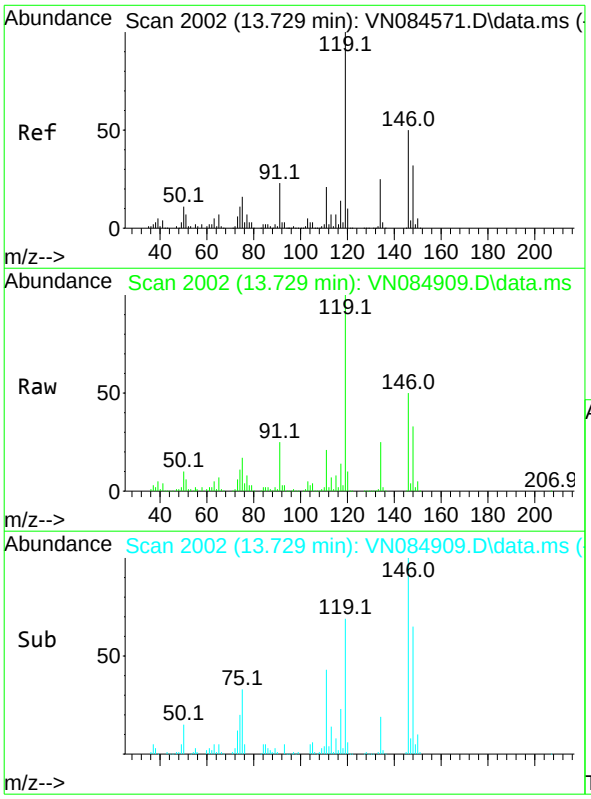
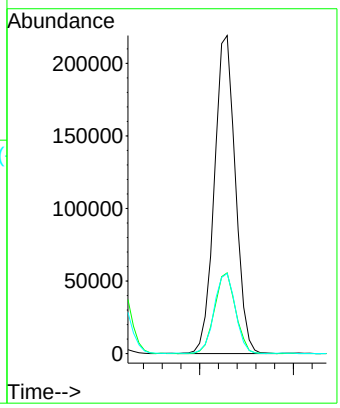
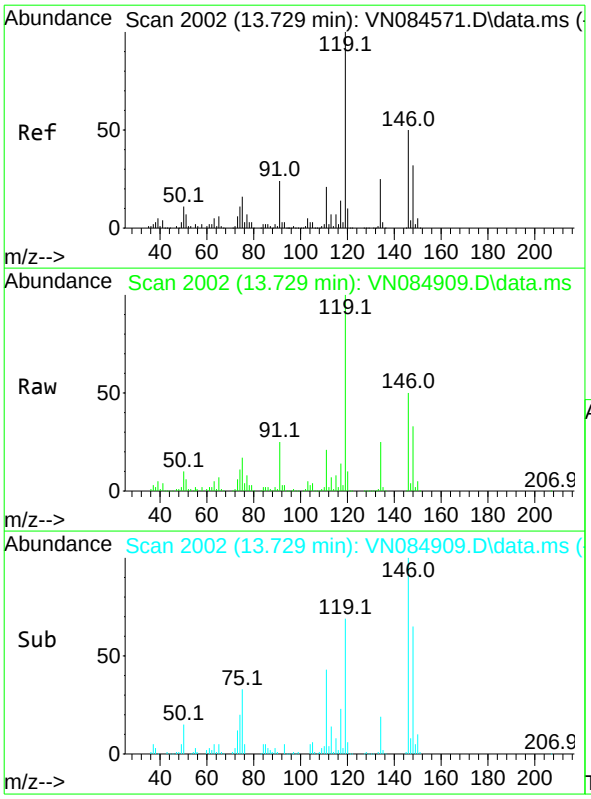


#86
p-Isopropyltoluene
Concen: 56.220 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:119 Resp: 341371

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.6	37.8
91	25.2	12.4	37.2

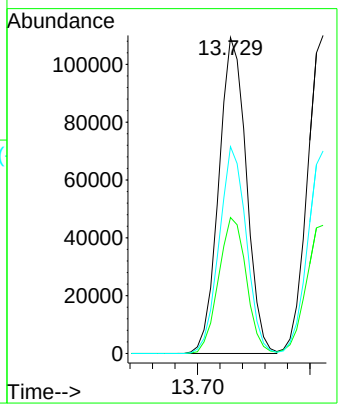




#87
1,3-Dichlorobenzene
Concen: 46.454 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:146 Resp: 186228

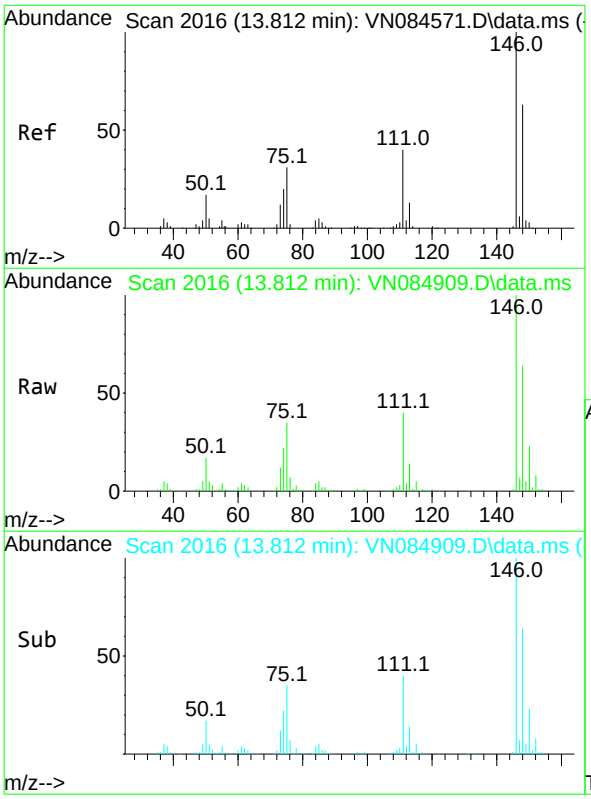
Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.8	65.3
148	64.4	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

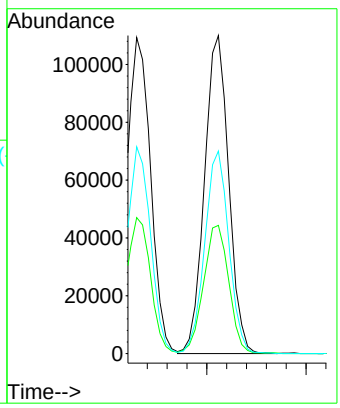
Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

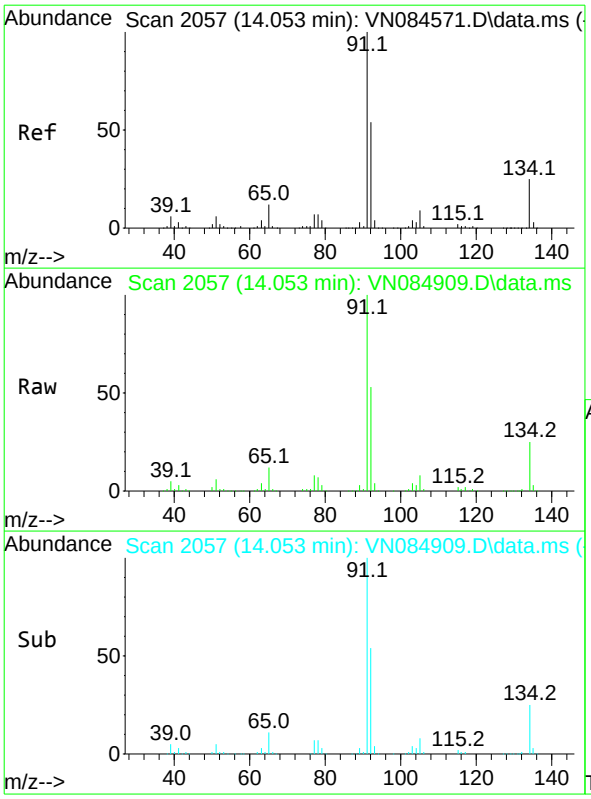


#88
1,4-Dichlorobenzene
Concen: 50.749 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:146 Resp: 186440

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.2	63.6
148	63.5	31.9	95.9

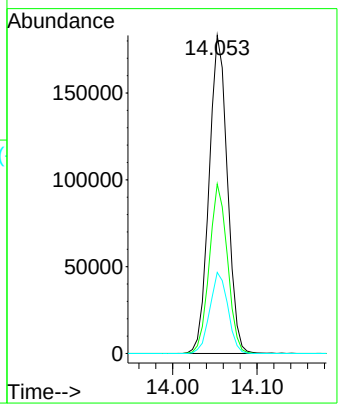




#89
n-Butylbenzene
Concen: 48.679 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 91 Resp: 276493

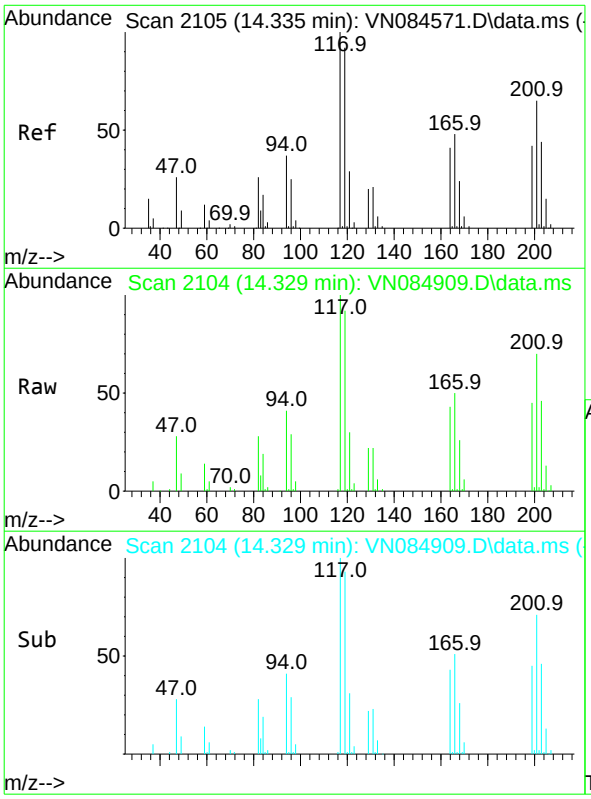
Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.6	79.7
134	25.1	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

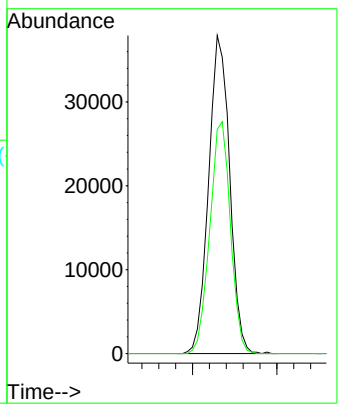
Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

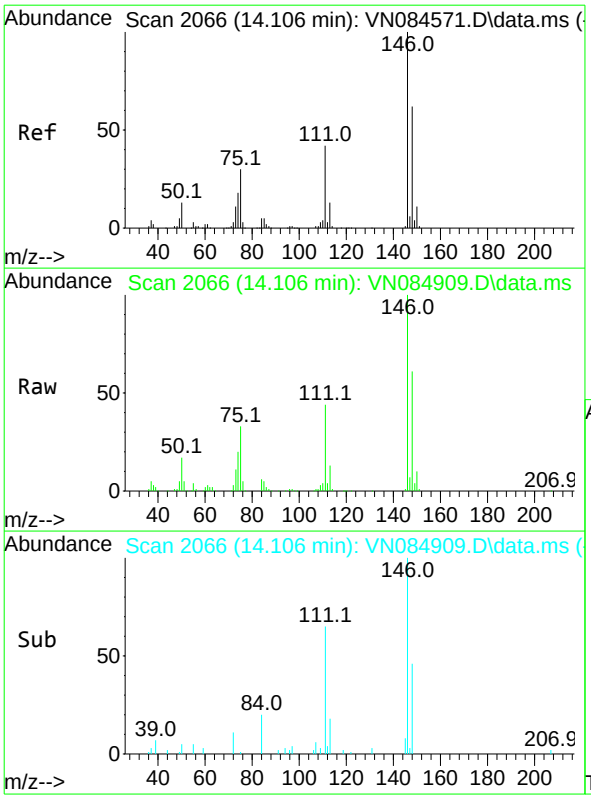


#90
Hexachloroethane
Concen: 48.574 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:117 Resp: 65775

Ion	Ratio	Lower	Upper
117	100		
201	71.3	34.4	103.2

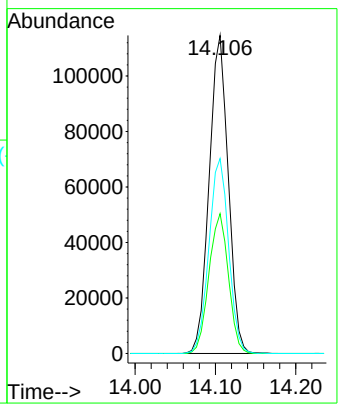




#91
1,2-Dichlorobenzene
Concen: 49.109 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:146 Resp: 189180

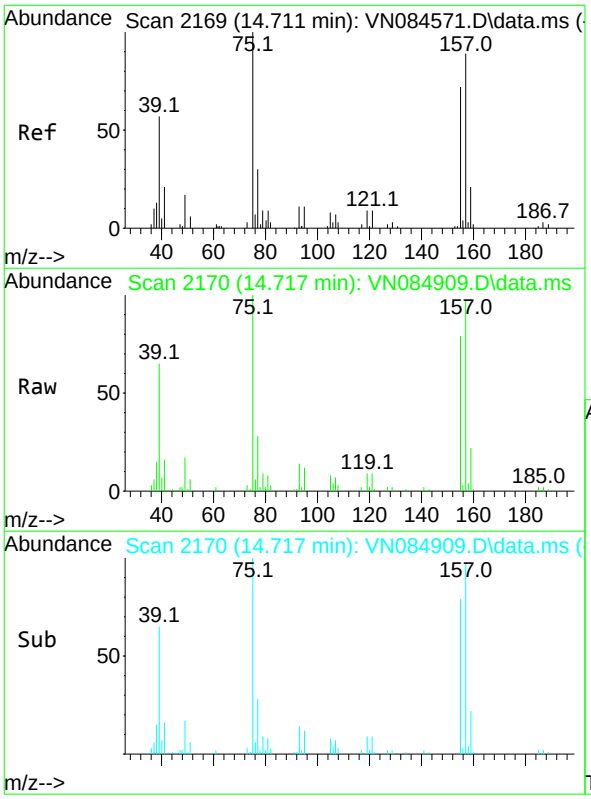
Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.0	66.0
148	63.2	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

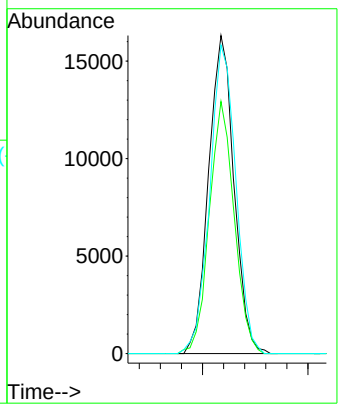
Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

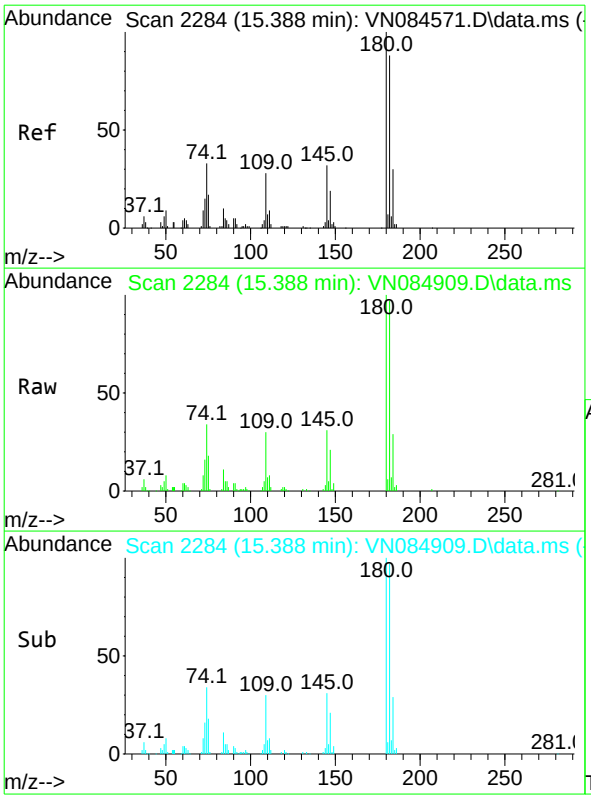


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.960 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 75 Resp: 27364

Ion	Ratio	Lower	Upper
75	100		
155	77.5	38.1	114.5
157	99.4	49.6	149.0





#93
1,2,4-Trichlorobenzene
Concen: 46.595 ug/l
RT: 15.388 min Scan# 22
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

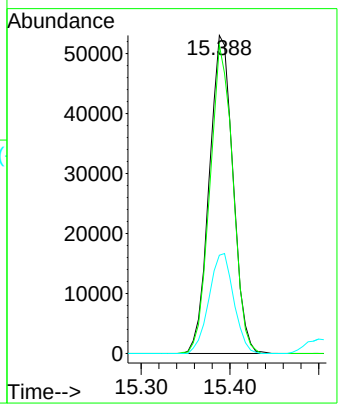
Tgt Ion:180 Resp: 98246

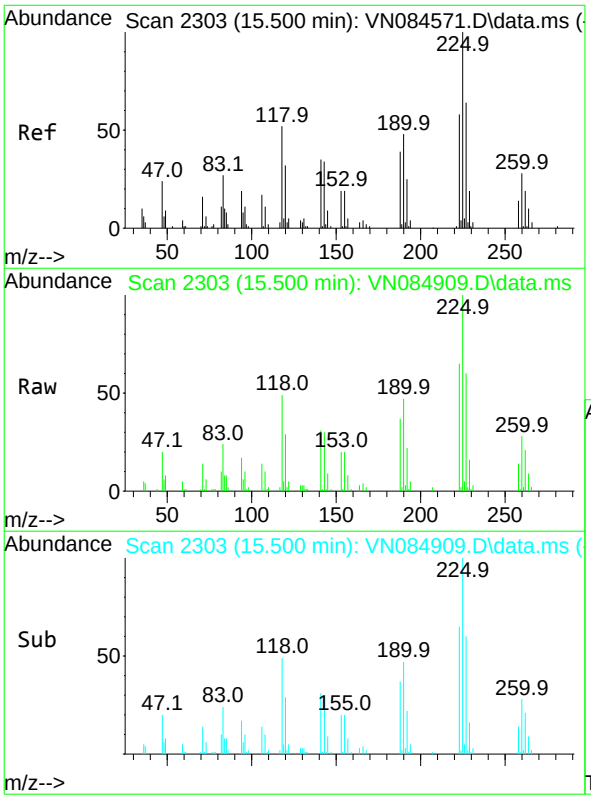
Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.0	141.0
145	32.8	16.4	49.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

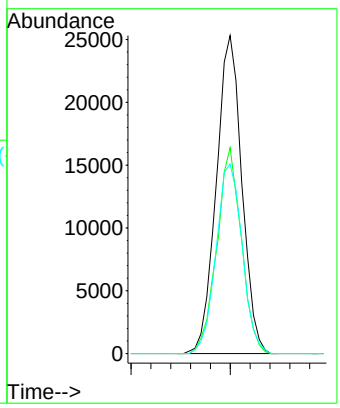


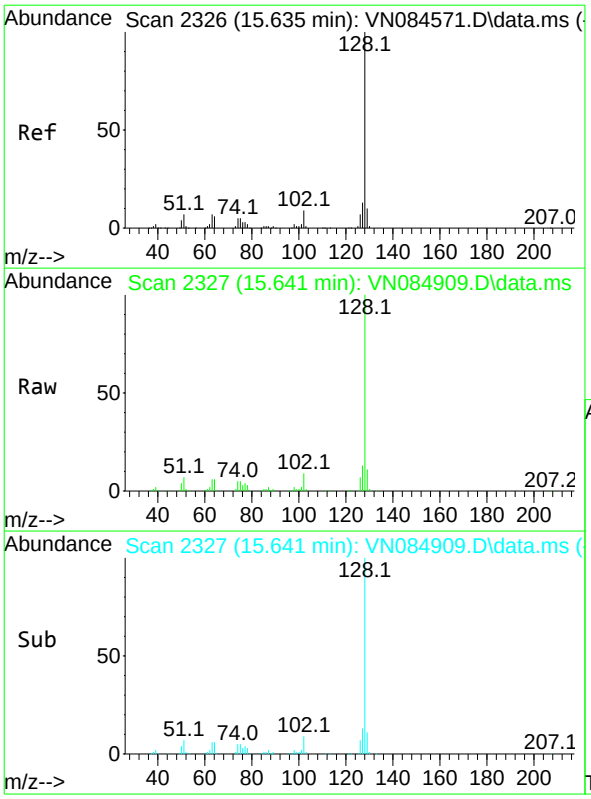


#94
Hexachlorobutadiene
Concen: 48.843 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:225 Resp: 45226

Ion	Ratio	Lower	Upper
225	100		
223	61.9	32.4	97.2
227	61.1	32.4	97.0

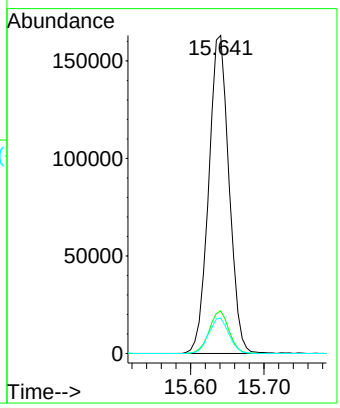




#95
Naphthalene
Concen: 49.703 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:128 Resp: 313685

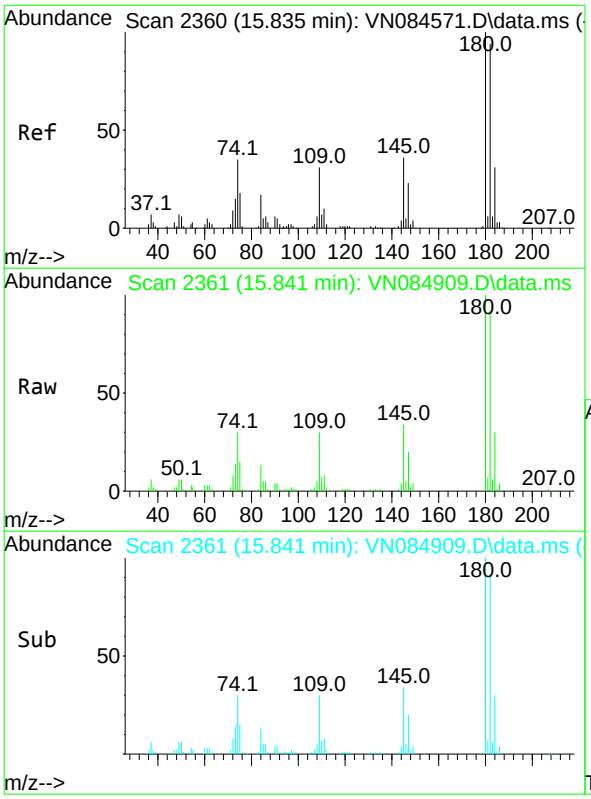
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.1	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

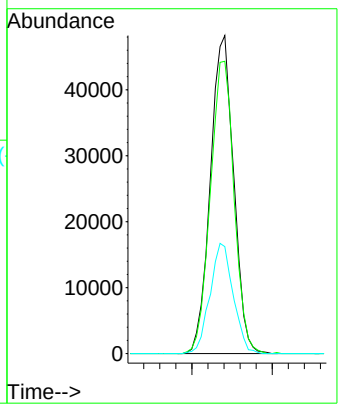
Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024



#96
1,2,3-Trichlorobenzene
Concen: 47.468 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:180 Resp: 97158

Ion	Ratio	Lower	Upper
180	100		
182	93.6	48.2	144.6
145	34.5	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084909.D
Acq On : 17 Nov 2024 20:49
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 18 00:29:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	78	0.00
2	T	Dichlorodifluoromethane	0.575	0.549	4.5	78	0.00
3	P	Chloromethane	0.952	0.670	29.6#	78	0.00
4	C	Vinyl Chloride	0.618	0.671	-8.6#	87	0.00
5	T	Bromomethane	0.328	0.372	-13.4	98	-0.05
6	T	Chloroethane	0.488	0.444	9.0	92	-0.05
7	T	Trichlorofluoromethane	1.018	1.154	-13.4	94	-0.04
8	T	Diethyl Ether	0.359	0.371	-3.3	82	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.575	0.579	-0.7	81	-0.01
10	T	Methyl Iodide	0.769	0.826	-7.4	88	-0.02
11	T	Tert butyl alcohol	0.095	0.109	-14.7	98	0.01
12	CM	1,1-Dichloroethene	0.569	0.547	3.9#	79	-0.02
13	T	Acrolein	0.095	0.100	-5.3	89	0.00
14	T	Allyl chloride	0.923	0.871	5.6	74	-0.01
15	T	Acrylonitrile	0.276	0.294	-6.5	85	0.00
16	T	Acetone	0.238	0.234	1.7	90	0.00
17	T	Carbon Disulfide	1.753	1.506	14.1	73	-0.02
18	T	Methyl Acetate	1.172	0.735	37.3#	77	0.00
19	T	Methyl tert-butyl Ether	1.745	1.915	-9.7	85	0.00
20	T	Methylene Chloride	0.635	0.630	0.8	82	-0.01
21	T	trans-1,2-Dichloroethene	0.585	0.560	4.3	78	-0.01
22	T	Diisopropyl ether	1.835	1.817	1.0	77	0.00
23	T	Vinyl Acetate	1.265	1.358	-7.4	82	0.00
24	P	1,1-Dichloroethane	1.102	1.105	-0.3	81	0.00
25	T	2-Butanone	0.337	0.374	-11.0	93	0.00
26	T	2,2-Dichloropropane	0.959	0.842	12.2	70	0.00
27	T	cis-1,2-Dichloroethene	0.683	0.686	-0.4	81	0.00
28	T	Bromochloromethane	0.439	0.437	0.5	67	0.00
29	T	Tetrahydrofuran	0.224	0.242	-8.0	85	0.00
30	C	Chloroform	1.121	1.179	-5.2#	85	0.00
31	T	Cyclohexane	0.997	0.933	6.4	78	0.00
32	T	1,1,1-Trichloroethane	1.021	1.101	-7.8	87	0.00
33	S	1,2-Dichloroethane-d4	0.722	0.707	2.1	77	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	78	0.00
35	S	Dibromofluoromethane	0.338	0.343	-1.5	77	0.00
36	T	1,1-Dichloropropene	0.469	0.484	-3.2	83	0.00
37	T	Ethyl Acetate	0.426	0.454	-6.6	83	0.00
38	T	Carbon Tetrachloride	0.525	0.588	-12.0	89	0.00
39	T	Methylcyclohexane	0.478	0.516	-7.9	79	0.00
40	TM	Benzene	1.507	1.514	-0.5	81	0.00
41	T	Methacrylonitrile	0.229	0.253	-10.5	79	0.00
42	TM	1,2-Dichloroethane	0.488	0.526	-7.8	82	0.00
43	T	Isopropyl Acetate	0.927	0.804	13.3	82	0.00
44	TM	Trichloroethene	0.348	0.358	-2.9	83	0.00
45	C	1,2-Dichloropropane	0.354	0.359	-1.4#	80	0.00
46	T	Dibromomethane	0.250	0.262	-4.8	83	0.00
47	T	Bromodichloromethane	0.526	0.561	-6.7	84	0.00
48	T	Methyl methacrylate	0.331	0.375	-13.3	84	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084909.D
Acq On : 17 Nov 2024 20:49
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 18 00:29:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.007	-16.7	90	0.00
50	S	Toluene-d8	1.247	1.238	0.7	74	0.00
51	T	4-Methyl-2-Pentanone	0.406	0.465	-14.5	85	0.00
52	CM	Toluene	0.882	0.951	-7.8#	82	0.00
53	T	t-1,3-Dichloropropene	0.544	0.558	-2.6	80	0.00
54	T	cis-1,3-Dichloropropene	0.576	0.592	-2.8	79	0.00
55	T	1,1,2-Trichloroethane	0.332	0.352	-6.0	83	0.00
56	T	Ethyl methacrylate	0.480	0.580	-20.8	83	0.00
57	T	1,3-Dichloropropane	0.570	0.616	-8.1	85	0.00
58	T	2-Chloroethyl Vinyl ether	0.225	0.260	-15.6	77	0.00
59	T	2-Hexanone	0.296	0.344	-16.2	86	0.00
60	T	Dibromochloromethane	0.378	0.430	-13.8	85	0.00
61	T	1,2-Dibromoethane	0.340	0.361	-6.2	84	0.00
62	S	4-Bromofluorobenzene	0.466	0.484	-3.9	76	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	77	0.00
64	T	Tetrachloroethene	0.333	0.348	-4.5	86	0.00
65	PM	Chlorobenzene	1.119	1.145	-2.3	83	0.00
66	T	1,1,1,2-Tetrachloroethane	0.389	0.431	-10.8	89	0.00
67	C	Ethyl Benzene	1.867	2.027	-8.6#	83	0.00
68	T	m/p-Xylenes	0.707	0.770	-8.9	81	0.00
69	T	o-Xylene	0.661	0.740	-12.0	83	0.00
70	T	Styrene	1.154	1.292	-12.0	83	0.00
71	P	Bromoform	0.293	0.323	-10.2	85	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	79	0.00
73	T	Isopropylbenzene	3.504	3.795	-8.3	84	0.00
74	T	N-amyl acetate	1.491	1.575	-5.6	81	0.00
75	P	1,1,2,2-Tetrachloroethane	1.170	1.164	0.5	86	0.00
76	T	1,2,3-Trichloropropane	0.999	0.984	1.5	88	0.00
77	T	Bromobenzene	0.942	0.942	0.0	84	0.00
78	T	n-propylbenzene	4.106	4.338	-5.7	81	0.00
79	T	2-Chlorotoluene	2.683	2.793	-4.1	84	0.00
80	T	1,3,5-Trimethylbenzene	2.904	3.268	-12.5	84	0.00
81	T	trans-1,4-Dichloro-2-butene	0.421	0.399	5.2	78	0.00
82	T	4-Chlorotoluene	2.823	2.781	1.5	81	0.00
83	T	tert-Butylbenzene	2.403	2.821	-17.4	88	0.00
84	T	1,2,4-Trimethylbenzene	2.997	3.284	-9.6	82	0.00
85	T	sec-Butylbenzene	3.395	3.654	-7.6	81	0.00
86	T	p-Isopropyltoluene	2.784	3.131	-12.5	81	0.00
87	T	1,3-Dichlorobenzene	1.838	1.708	7.1	81	0.00
88	T	1,4-Dichlorobenzene	1.937	1.710	11.7	81	0.00
89	T	n-Butylbenzene	2.605	2.536	2.6	76	0.00
90	T	Hexachloroethane	0.621	0.603	2.9	81	0.00
91	T	1,2-Dichlorobenzene	1.766	1.735	1.8	85	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.251	-5.9	91	0.00
93	T	1,2,4-Trichlorobenzene	0.967	0.901	6.8	82	0.00
94	T	Hexachlorobutadiene	0.425	0.415	2.4	89	0.00
95	T	Naphthalene	2.894	2.877	0.6	82	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084909.D
Acq On : 17 Nov 2024 20:49
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 18 00:29:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.939	0.891	5.1	84	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084909.D
Acq On : 17 Nov 2024 20:49
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 18 00:29:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	78	0.00
2	T	Dichlorodifluoromethane	50.000	47.733	4.5	78	0.00
3	P	Chloromethane	50.000	49.616	0.8	78	0.00
4	C	Vinyl Chloride	50.000	54.288	-8.6#	87	0.00
5	T	Bromomethane	50.000	56.714	-13.4	98	-0.05
6	T	Chloroethane	50.000	58.229	-16.5	92	-0.05
7	T	Trichlorofluoromethane	50.000	56.645	-13.3	94	-0.04
8	T	Diethyl Ether	50.000	51.651	-3.3	82	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.316	-0.6	81	-0.01
10	T	Methyl Iodide	50.000	53.717	-7.4	88	-0.02
11	T	Tert butyl alcohol	250.000	284.691	-13.9	98	0.01
12	CM	1,1-Dichloroethene	50.000	48.018	4.0#	79	-0.02
13	T	Acrolein	250.000	262.980	-5.2	89	0.00
14	T	Allyl chloride	50.000	47.154	5.7	74	-0.01
15	T	Acrylonitrile	250.000	266.072	-6.4	85	0.00
16	T	Acetone	250.000	280.559	-12.2	90	0.00
17	T	Carbon Disulfide	50.000	42.937	14.1	73	-0.02
18	T	Methyl Acetate	50.000	48.083	3.8	77	0.00
19	T	Methyl tert-butyl Ether	50.000	54.872	-9.7	85	0.00
20	T	Methylene Chloride	50.000	49.583	0.8	82	-0.01
21	T	trans-1,2-Dichloroethene	50.000	47.876	4.2	78	-0.01
22	T	Diisopropyl ether	50.000	49.523	1.0	77	0.00
23	T	Vinyl Acetate	250.000	268.251	-7.3	82	0.00
24	P	1,1-Dichloroethane	50.000	50.177	-0.4	81	0.00
25	T	2-Butanone	250.000	277.435	-11.0	93	0.00
26	T	2,2-Dichloropropane	50.000	43.894	12.2	70	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.211	-0.4	81	0.00
28	T	Bromochloromethane	50.000	49.734	0.5	67	0.00
29	T	Tetrahydrofuran	250.000	270.935	-8.4	85	0.00
30	C	Chloroform	50.000	52.598	-5.2#	85	0.00
31	T	Cyclohexane	50.000	46.814	6.4	78	0.00
32	T	1,1,1-Trichloroethane	50.000	53.939	-7.9	87	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.948	2.1	77	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	78	0.00
35	S	Dibromofluoromethane	50.000	50.684	-1.4	77	0.00
36	T	1,1-Dichloropropene	50.000	51.522	-3.0	83	0.00
37	T	Ethyl Acetate	50.000	53.251	-6.5	83	0.00
38	T	Carbon Tetrachloride	50.000	56.085	-12.2	89	0.00
39	T	Methylcyclohexane	50.000	54.083	-8.2	79	0.00
40	TM	Benzene	50.000	50.209	-0.4	81	0.00
41	T	Methacrylonitrile	50.000	55.156	-10.3	79	0.00
42	TM	1,2-Dichloroethane	50.000	53.841	-7.7	82	0.00
43	T	Isopropyl Acetate	50.000	51.109	-2.2	82	0.00
44	TM	Trichloroethene	50.000	51.483	-3.0	83	0.00
45	C	1,2-Dichloropropane	50.000	50.737	-1.5#	80	0.00
46	T	Dibromomethane	50.000	52.466	-4.9	83	0.00
47	T	Bromodichloromethane	50.000	53.353	-6.7	84	0.00
48	T	Methyl methacrylate	50.000	56.590	-13.2	84	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084909.D
Acq On : 17 Nov 2024 20:49
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 18 00:29:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1194.662	-19.5	90	0.00
50	S	Toluene-d8	50.000	49.663	0.7	74	0.00
51	T	4-Methyl-2-Pentanone	250.000	286.520	-14.6	85	0.00
52	CM	Toluene	50.000	53.949	-7.9#	82	0.00
53	T	t-1,3-Dichloropropene	50.000	51.239	-2.5	80	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.361	-2.7	79	0.00
55	T	1,1,2-Trichloroethane	50.000	53.007	-6.0	83	0.00
56	T	Ethyl methacrylate	50.000	60.328	-20.7	83	0.00
57	T	1,3-Dichloropropane	50.000	54.049	-8.1	85	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	288.918	-15.6	77	0.00
59	T	2-Hexanone	250.000	291.095	-16.4	86	0.00
60	T	Dibromochloromethane	50.000	56.853	-13.7	85	0.00
61	T	1,2-Dibromoethane	50.000	53.096	-6.2	84	0.00
62	S	4-Bromofluorobenzene	50.000	51.936	-3.9	76	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	77	0.00
64	T	Tetrachloroethene	50.000	52.253	-4.5	86	0.00
65	PM	Chlorobenzene	50.000	51.181	-2.4	83	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	55.427	-10.9	89	0.00
67	C	Ethyl Benzene	50.000	54.275	-8.5#	83	0.00
68	T	m/p-Xylenes	100.000	108.888	-8.9	81	0.00
69	T	o-Xylene	50.000	55.918	-11.8	83	0.00
70	T	Styrene	50.000	55.985	-12.0	83	0.00
71	P	Bromoform	50.000	55.203	-10.4	85	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	79	0.00
73	T	Isopropylbenzene	50.000	54.153	-8.3	84	0.00
74	T	N-amyl acetate	50.000	52.810	-5.6	81	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.773	0.5	86	0.00
76	T	1,2,3-Trichloropropane	50.000	49.238	1.5	88	0.00
77	T	Bromobenzene	50.000	50.015	-0.0	84	0.00
78	T	n-propylbenzene	50.000	52.824	-5.6	81	0.00
79	T	2-Chlorotoluene	50.000	52.058	-4.1	84	0.00
80	T	1,3,5-Trimethylbenzene	50.000	56.263	-12.5	84	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	47.407	5.2	78	0.00
82	T	4-Chlorotoluene	50.000	49.253	1.5	81	0.00
83	T	tert-Butylbenzene	50.000	58.692	-17.4	88	0.00
84	T	1,2,4-Trimethylbenzene	50.000	54.788	-9.6	82	0.00
85	T	sec-Butylbenzene	50.000	53.808	-7.6	81	0.00
86	T	p-Isopropyltoluene	50.000	56.220	-12.4	81	0.00
87	T	1,3-Dichlorobenzene	50.000	46.454	7.1	81	0.00
88	T	1,4-Dichlorobenzene	50.000	50.749	-1.5	81	0.00
89	T	n-Butylbenzene	50.000	48.679	2.6	76	0.00
90	T	Hexachloroethane	50.000	48.574	2.9	81	0.00
91	T	1,2-Dichlorobenzene	50.000	49.109	1.8	85	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.960	-5.9	91	0.00
93	T	1,2,4-Trichlorobenzene	50.000	46.595	6.8	82	0.00
94	T	Hexachlorobutadiene	50.000	48.843	2.3	89	0.00
95	T	Naphthalene	50.000	49.703	0.6	82	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084909.D
Acq On : 17 Nov 2024 20:49
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 18 00:29:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	47.468	5.1	84	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG No.: P4845

Instrument ID: MSVOA_N Calibration Date/Time: 11/19/2024 09:27

Lab File ID: VN084935.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.575	0.508		-11.65	20
Chloromethane	0.952	0.579	0.1	-39.18	20
Vinyl Chloride	0.618	0.560		-9.39	20
Bromomethane	0.328	0.288		-12.19	20
Chloroethane	0.488	0.370		-24.18	20
Trichlorofluoromethane	1.018	0.954		-6.29	20
1,1,2-Trichlorotrifluoroethane	0.575	0.551		-4.17	20
1,1-Dichloroethene	0.569	0.508		-10.72	20
Acetone	0.238	0.237		-0.42	20
Carbon Disulfide	1.753	1.360		-22.42	20
Methyl tert-butyl Ether	1.745	1.803		3.32	20
Methyl Acetate	1.172	0.697		-40.53	20
Methylene Chloride	0.635	0.586		-7.72	20
trans-1,2-Dichloroethene	0.585	0.535		-8.55	20
1,1-Dichloroethane	1.102	1.055	0.1	-4.26	20
Cyclohexane	0.997	0.899		-9.83	20
2-Butanone	0.337	0.360		6.82	20
Carbon Tetrachloride	0.525	0.510		-2.86	20
cis-1,2-Dichloroethene	0.683	0.655		-4.1	20
Bromochloromethane	0.439	0.497		13.21	20
Chloroform	1.121	1.094		-2.41	20
1,1,1-Trichloroethane	1.021	0.993		-2.74	20
Methylcyclohexane	0.478	0.490		2.51	20
Benzene	1.507	1.411		-6.37	20
1,2-Dichloroethane	0.488	0.486		-0.41	20
Trichloroethene	0.348	0.317		-8.91	20
1,2-Dichloropropane	0.354	0.351		-0.85	20
Bromodichloromethane	0.526	0.518		-1.52	20
4-Methyl-2-Pentanone	0.406	0.435		7.14	20
Toluene	0.882	0.867		-1.7	20
t-1,3-Dichloropropene	0.544	0.509		-6.43	20
cis-1,3-Dichloropropene	0.576	0.566		-1.74	20
1,1,2-Trichloroethane	0.332	0.328		-1.21	20
2-Hexanone	0.296	0.326		10.14	20
Dibromochloromethane	0.378	0.384		1.59	20
1,2-Dibromoethane	0.340	0.324		-4.71	20
Tetrachloroethene	0.333	0.320		-3.9	20
Chlorobenzene	1.119	1.066	0.3	-4.74	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG No.: P4845

Instrument ID: MSVOA_N Calibration Date/Time: 11/19/2024 09:27

Lab File ID: VN084935.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.867	1.897		1.61	20
m/p-Xylenes	0.707	0.732		3.54	20
o-Xylene	0.661	0.703		6.35	20
Styrene	1.154	1.192		3.29	20
Bromoform	0.293	0.294	0.1	0.34	20
Isopropylbenzene	3.504	3.456		-1.37	20
1,1,2,2-Tetrachloroethane	1.170	1.092	0.3	-6.67	20
1,3-Dichlorobenzene	1.838	1.554		-15.45	20
1,4-Dichlorobenzene	1.937	1.546		-20.19	20
1,2-Dichlorobenzene	1.766	1.565		-11.38	20
1,2-Dibromo-3-Chloropropane	0.237	0.208		-12.24	20
1,2,4-Trichlorobenzene	0.967	0.764		-20.99	20
1,2,3-Trichlorobenzene	0.939	0.764		-18.64	20
1,2-Dichloroethane-d4	0.722	0.672		-6.93	20
Dibromofluoromethane	0.338	0.314		-7.1	20
Toluene-d8	1.247	1.131		-9.3	20
4-Bromofluorobenzene	0.466	0.444		-4.72	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084935.D
Acq On : 19 Nov 2024 09:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 20 00:20:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	191121	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	319795	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	272380	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	140060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	128370	46.504	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.000%			
35) Dibromofluoromethane	8.165	113	100296	46.334	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.660%			
50) Toluene-d8	10.565	98	361805	45.374	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 90.740%			
62) 4-Bromofluorobenzene	12.847	95	141878	47.609	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.220%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	97001	44.150	ug/l	95
3) Chloromethane	2.359	50	110597	42.522	ug/l	97
4) Vinyl Chloride	2.512	62	107008	45.283	ug/l	97
5) Bromomethane	2.906	94	55094	44.003	ug/l	98
6) Chloroethane	3.077	64	70713	48.294	ug/l	93
7) Trichlorofluoromethane	3.471	101	182356	46.846	ug/l	97
8) Diethyl Ether	3.953	74	65937	48.018	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.359	101	105288	47.867	ug/l	99
10) Methyl Iodide	4.577	142	142160	48.358	ug/l	97
11) Tert butyl alcohol	5.536	59	87458	240.025	ug/l	99
12) 1,1-Dichloroethene	4.330	96	97079	44.604	ug/l	95
13) Acrolein	4.171	56	99160	272.913	ug/l	98
14) Allyl chloride	5.012	41	161760	45.828	ug/l	96
15) Acrylonitrile	5.712	53	260199	246.673	ug/l	99
16) Acetone	4.424	43	226860	284.903	ug/l	100
17) Carbon Disulfide	4.700	76	259868	38.771	ug/l	98
18) Methyl Acetate	5.018	43	133214	45.365	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	344516	51.644	ug/l	97
20) Methylene Chloride	5.265	84	111930	46.103	ug/l	94
21) trans-1,2-Dichloroethene	5.777	96	102229	45.743	ug/l	99
22) Diisopropyl ether	6.665	45	352685	50.286	ug/l	98
23) Vinyl Acetate	6.594	43	1255562	259.595	ug/l	98
24) 1,1-Dichloroethane	6.559	63	201578	47.872	ug/l	98
25) 2-Butanone	7.483	43	344040	267.147	ug/l	98
26) 2,2-Dichloropropane	7.488	77	182683	49.847	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	125243	47.994	ug/l	99
28) Bromochloromethane	7.806	49	95018	56.639	ug/l	96
29) Tetrahydrofuran	7.836	42	218171	255.360	ug/l	96
30) Chloroform	7.959	83	209141	48.799	ug/l	97
31) Cyclohexane	8.253	56	171769	45.071	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	189765	48.647	ug/l	99
36) 1,1-Dichloropropene	8.365	75	140999	46.967	ug/l	99
37) Ethyl Acetate	7.553	43	136462	50.101	ug/l	98
38) Carbon Tetrachloride	8.359	117	162977	48.570	ug/l	98
39) Methylcyclohexane	9.594	83	156684	51.303	ug/l	98
40) Benzene	8.600	78	451082	46.788	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084935.D
Acq On : 19 Nov 2024 09:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 20 00:20:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.771	41	77366	52.820 ug/l	97
42) 1,2-Dichloroethane	8.665	62	155403	49.771 ug/l	99
43) Isopropyl Acetate	8.683	43	251358	49.952 ug/l	100
44) Trichloroethene	9.347	130	101462	45.632 ug/l	99
45) 1,2-Dichloropropane	9.618	63	112302	49.656 ug/l	99
46) Dibromomethane	9.706	93	77732	48.708 ug/l	99
47) Bromodichloromethane	9.882	83	165675	49.250 ug/l #	99
48) Methyl methacrylate	9.677	41	108960	51.400 ug/l	97
49) 1,4-Dioxane	9.694	88	36146	962.235 ug/l #	81
51) 4-Methyl-2-Pentanone	10.441	43	695093	267.698 ug/l	99
52) Toluene	10.629	92	277347	49.188 ug/l	99
53) t-1,3-Dichloropropene	10.835	75	162768	46.744 ug/l	99
54) cis-1,3-Dichloropropene	10.306	75	181142	49.151 ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	104942	49.408 ug/l	97
56) Ethyl methacrylate	10.871	69	168362	54.801 ug/l	97
57) 1,3-Dichloropropane	11.159	76	179454	49.230 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	402039	279.659 ug/l	97
59) 2-Hexanone	11.194	43	521393	275.870 ug/l	98
60) Dibromochloromethane	11.359	129	122913	50.776 ug/l	99
61) 1,2-Dibromoethane	11.471	107	103704	47.679 ug/l	100
64) Tetrachloroethene	11.100	164	87135	48.094 ug/l	97
65) Chlorobenzene	11.888	112	290368	47.651 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	105627	49.834 ug/l	99
67) Ethyl Benzene	11.959	91	516649	50.793 ug/l	99
68) m/p-Xylenes	12.071	106	398723	103.542 ug/l	100
69) o-Xylene	12.394	106	191427	53.139 ug/l	100
70) Styrene	12.406	104	324789	51.684 ug/l	99
71) Bromoform	12.576	173	79980	50.147 ug/l #	99
73) Isopropylbenzene	12.694	105	484105	49.323 ug/l	100
74) N-amyl acetate	12.494	43	210044	50.280 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	152902	46.671 ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	125541m	44.840 ug/l	
77) Bromobenzene	12.976	156	117590	44.566 ug/l	98
78) n-propylbenzene	13.035	91	560537	48.736 ug/l	99
79) 2-Chlorotoluene	13.123	91	357849	47.616 ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	421482	51.812 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	53699	45.503 ug/l	89
82) 4-Chlorotoluene	13.218	91	361943	45.763 ug/l	99
83) tert-Butylbenzene	13.435	119	343776	51.061 ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	428779	51.069 ug/l	99
85) sec-Butylbenzene	13.612	105	480667	50.542 ug/l	99
86) p-Isopropyltoluene	13.729	119	408036	52.315 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	217656	42.268 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	216598	45.744 ug/l	100
89) n-Butylbenzene	14.053	91	343697	47.108 ug/l	100
90) Hexachloroethane	14.329	117	76160	43.786 ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	219245	44.308 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	29192	43.984 ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	107065	39.531 ug/l	99
94) Hexachlorobutadiene	15.500	225	49545	41.656 ug/l	99
95) Naphthalene	15.641	128	350435	43.227 ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	106957	40.681 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084935.D
Acq On : 19 Nov 2024 09:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 20 00:20:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084935.D
Acq On : 19 Nov 2024 09:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 20 00:20:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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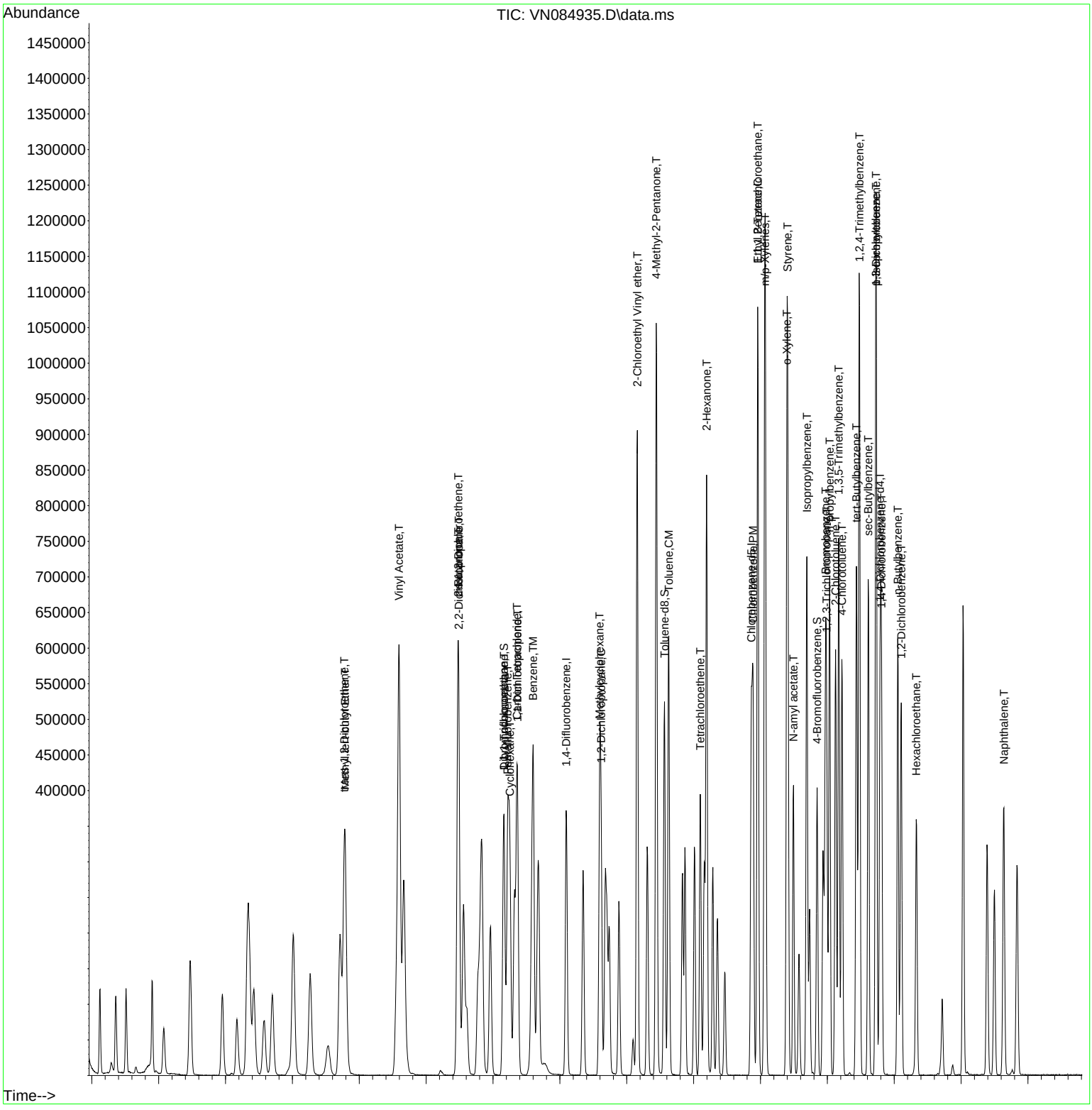
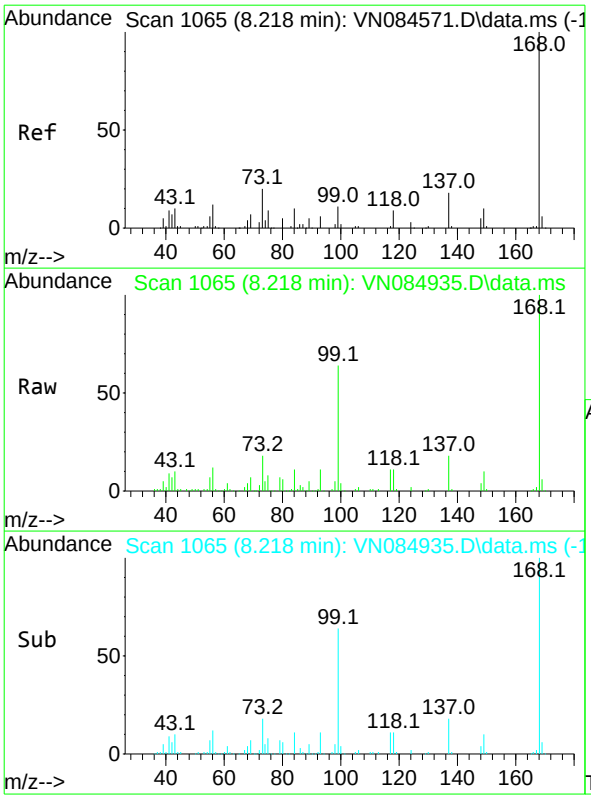
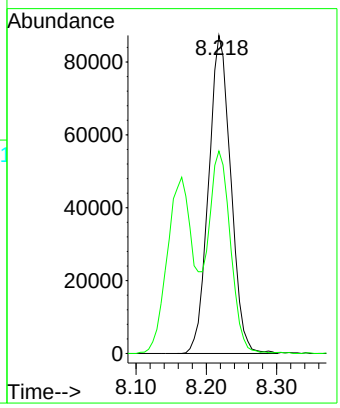




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:168 Resp: 191121

Ion	Ratio	Lower	Upper
168	100		
99	63.3	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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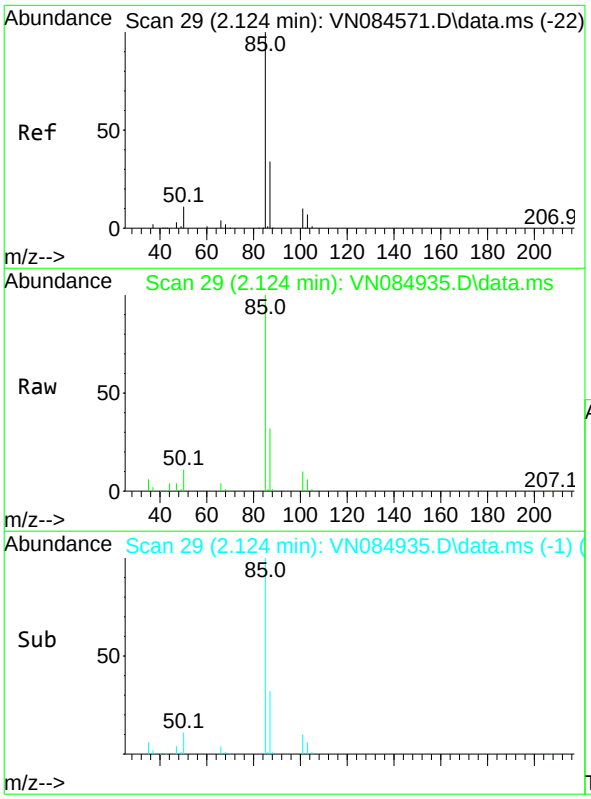
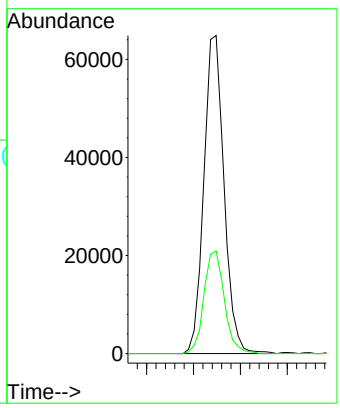
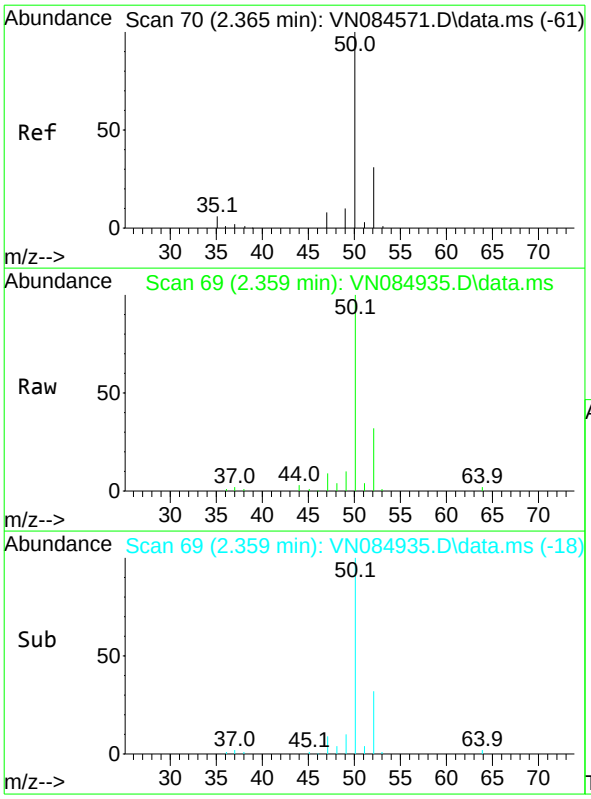


#2
Dichlorodifluoromethane
Concen: 44.150 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 85 Resp: 97001

Ion	Ratio	Lower	Upper
85	100		
87	32.3	17.6	52.9

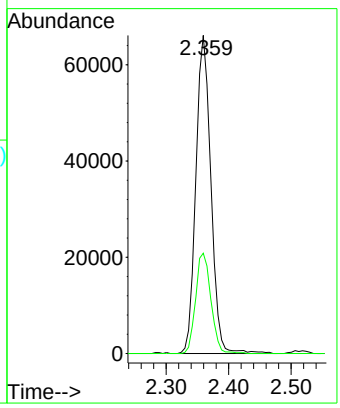




#3
Chloromethane
Concen: 42.522 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 50 Resp: 110597

Ion	Ratio	Lower	Upper
50	100		
52	31.5	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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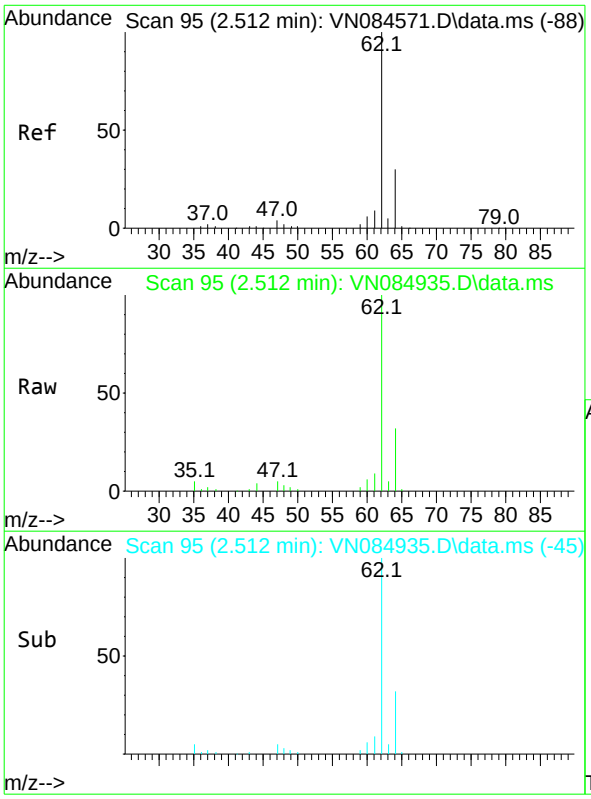
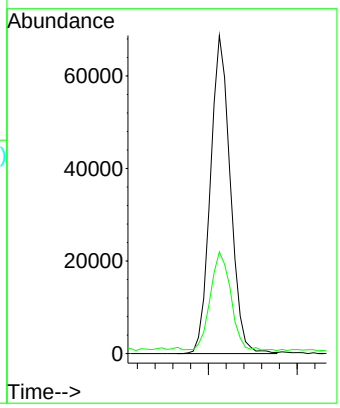
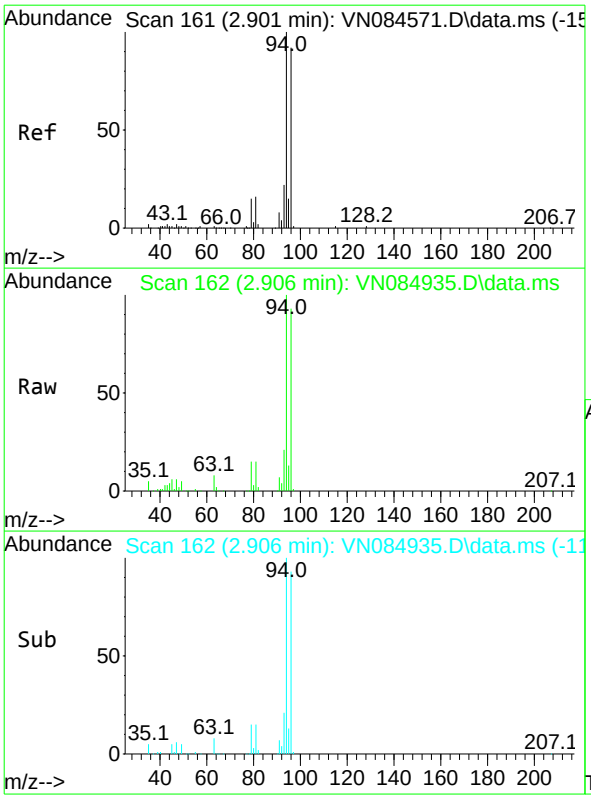


#4
Vinyl Chloride
Concen: 45.283 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 62 Resp: 107008

Ion	Ratio	Lower	Upper
62	100		
64	31.0	26.2	39.4

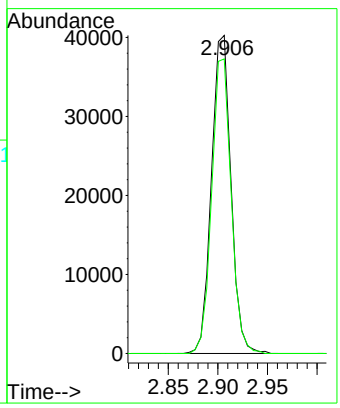




#5
Bromomethane
Concen: 44.003 ug/l
RT: 2.906 min Scan# 16
Delta R.T. -0.047 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 94 Resp: 55094

Ion	Ratio	Lower	Upper
94	100		
96	92.6	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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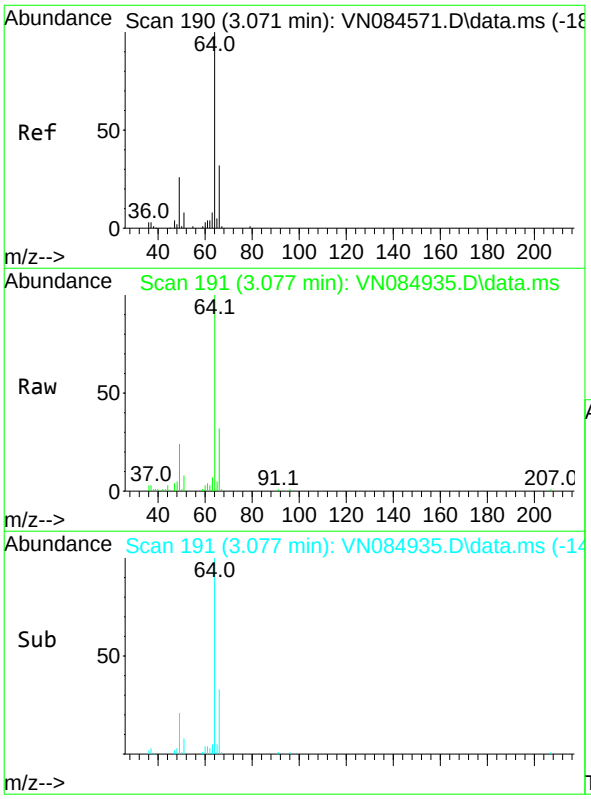
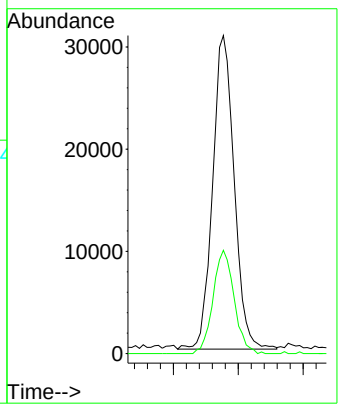
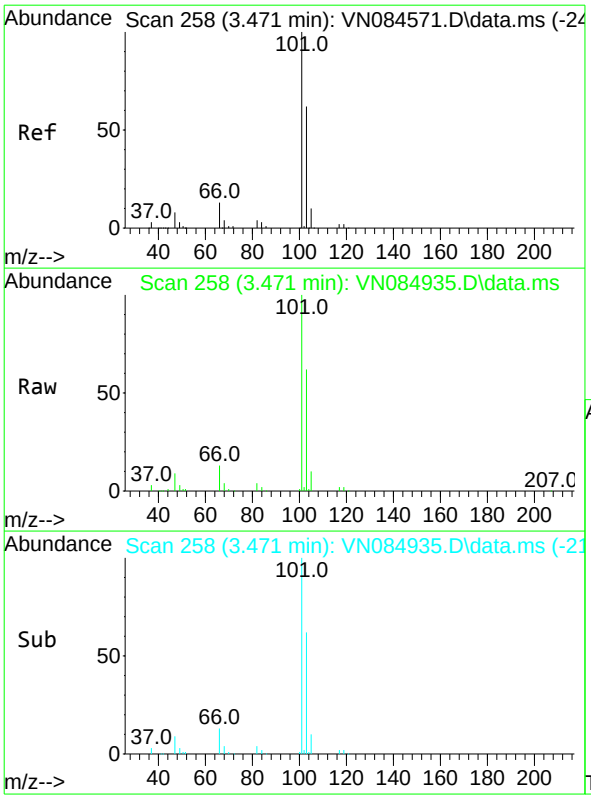


#6
Chloroethane
Concen: 48.294 ug/l
RT: 3.077 min Scan# 191
Delta R.T. -0.041 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 64 Resp: 70713

Ion	Ratio	Lower	Upper
64	100		
66	32.9	23.5	35.3

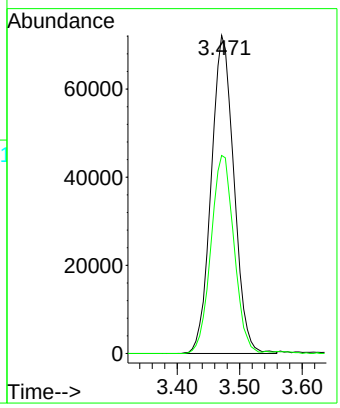




#7
Trichlorofluoromethane
Concen: 46.846 ug/l
RT: 3.471 min Scan# 25
Delta R.T. -0.024 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:101 Resp: 182356

Ion	Ratio	Lower	Upper
101	100		
103	62.3	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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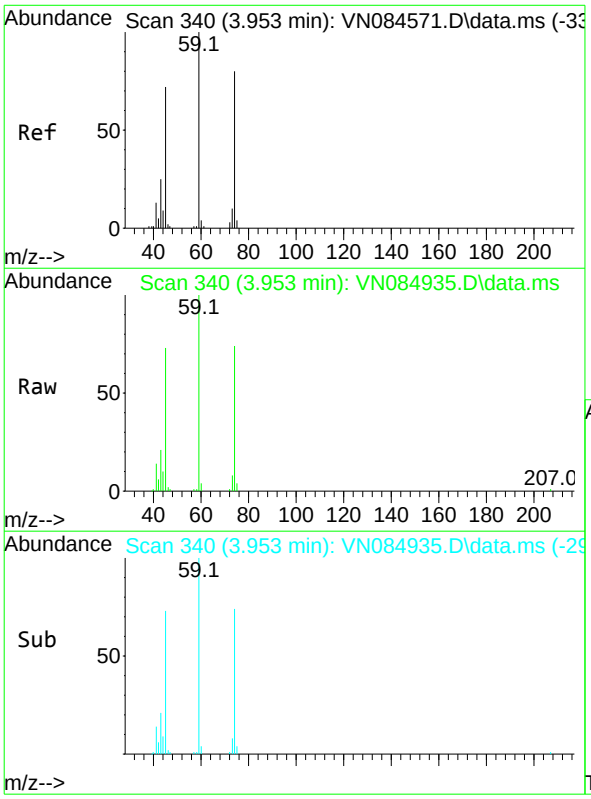
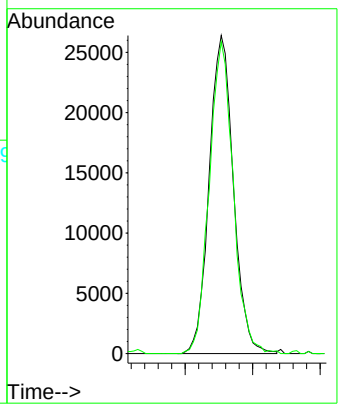
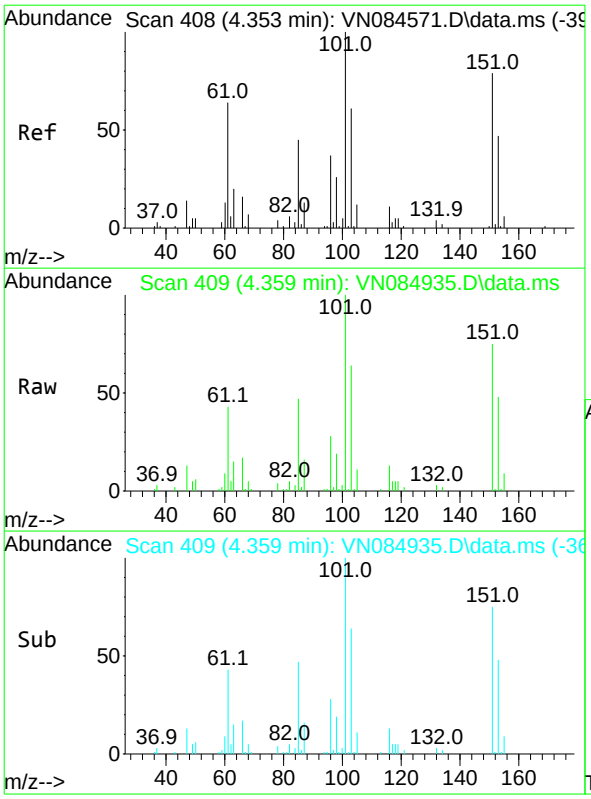


#8
Diethyl Ether
Concen: 48.018 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 74 Resp: 65937

Ion	Ratio	Lower	Upper
74	100		
45	96.8	47.7	143.1

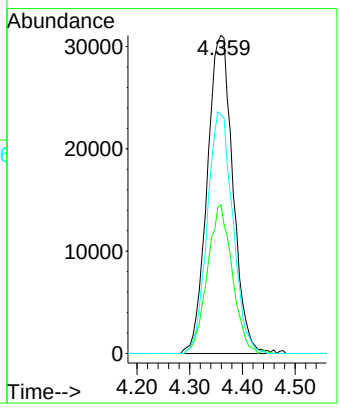




#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.867 ug/l
RT: 4.359 min Scan# 40
Delta R.T. -0.012 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:101 Resp: 105288

Ion	Ratio	Lower	Upper
101	100		
85	45.1	36.2	54.4
151	75.3	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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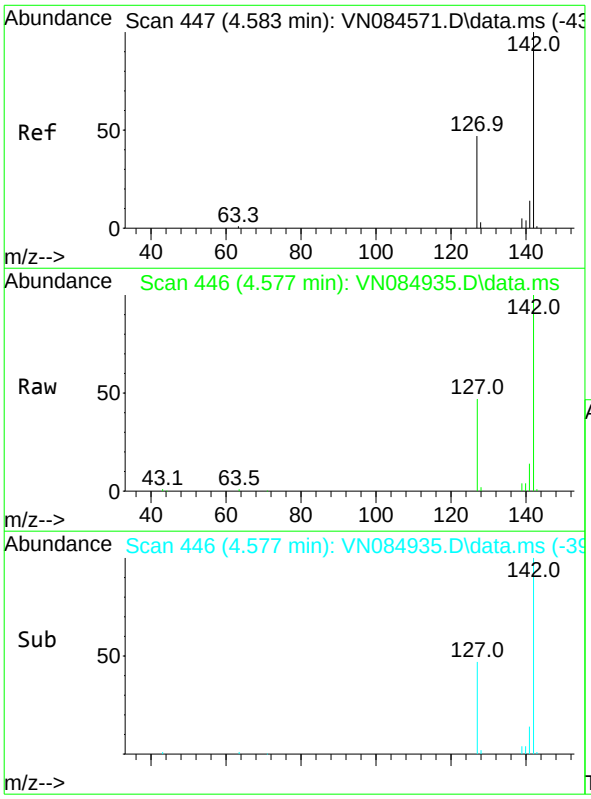
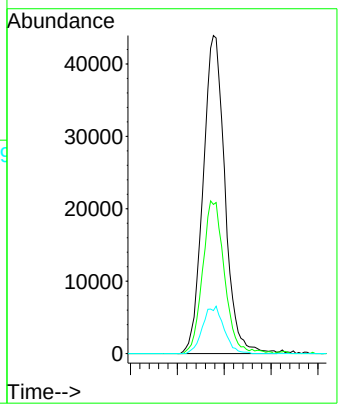
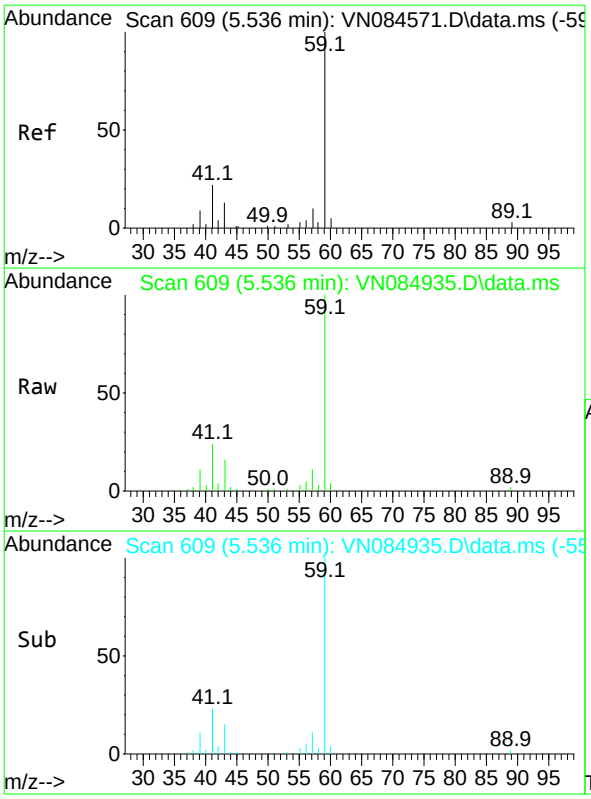


#10
Methyl Iodide
Concen: 48.358 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:142 Resp: 142160

Ion	Ratio	Lower	Upper
142	100		
127	46.9	35.3	52.9
141	13.5	11.0	16.6





#11
Tert butyl alcohol
Concen: 240.025 ug/l
RT: 5.536 min Scan# 60
Delta R.T. 0.012 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 59 Resp: 87458

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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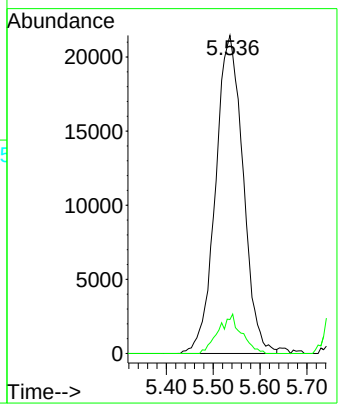
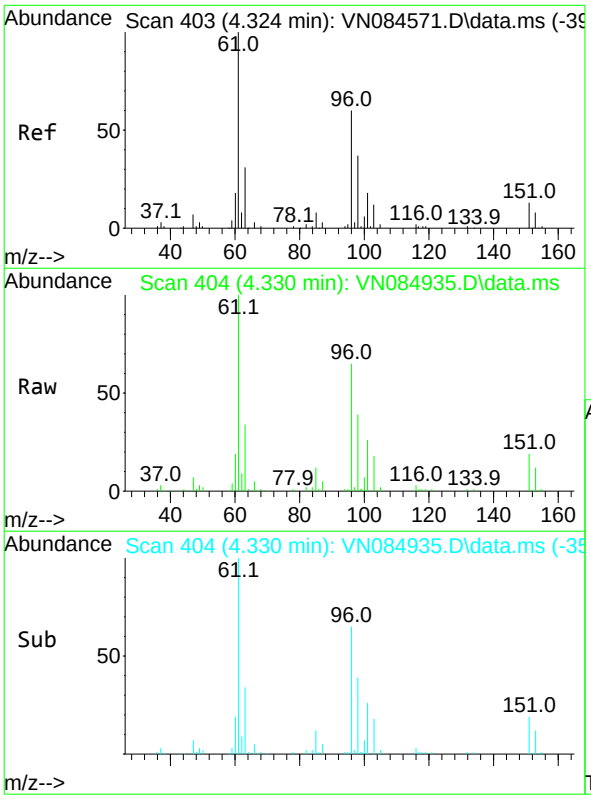
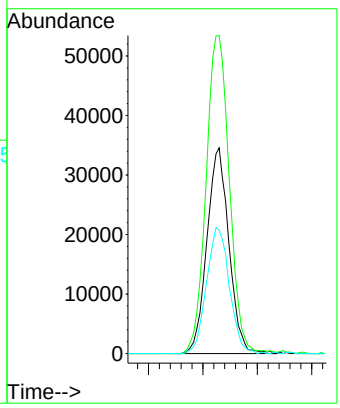


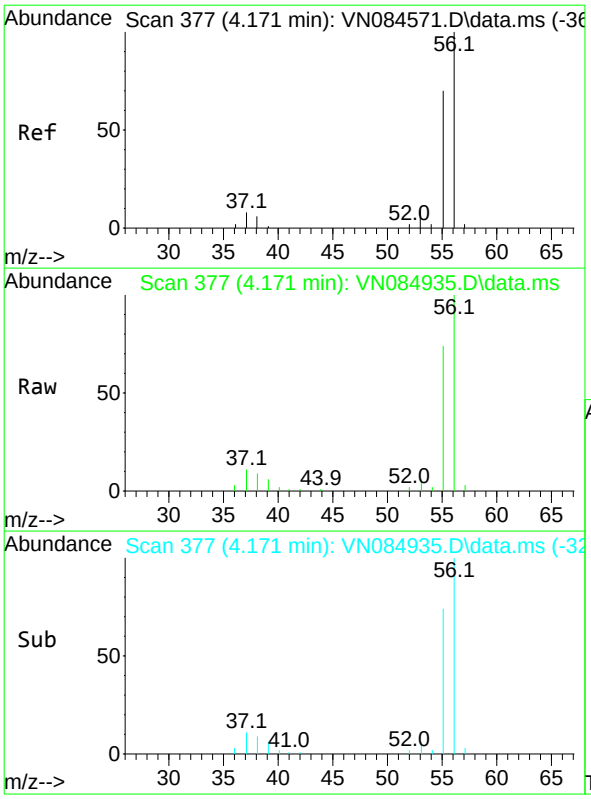


#12
1,1-Dichloroethene
Concen: 44.604 ug/l
RT: 4.330 min Scan# 404
Delta R.T. -0.012 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 96 Resp: 97079

Ion	Ratio	Lower	Upper
96	100		
61	154.6	128.6	192.8
98	60.0	51.7	77.5

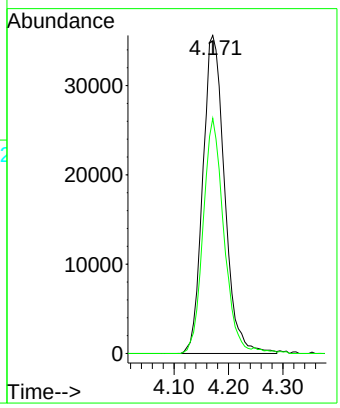




#13
Acrolein
Concen: 272.913 ug/l
RT: 4.171 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 56 Resp: 99160

Ion	Ratio	Lower	Upper
56	100		
55	69.8	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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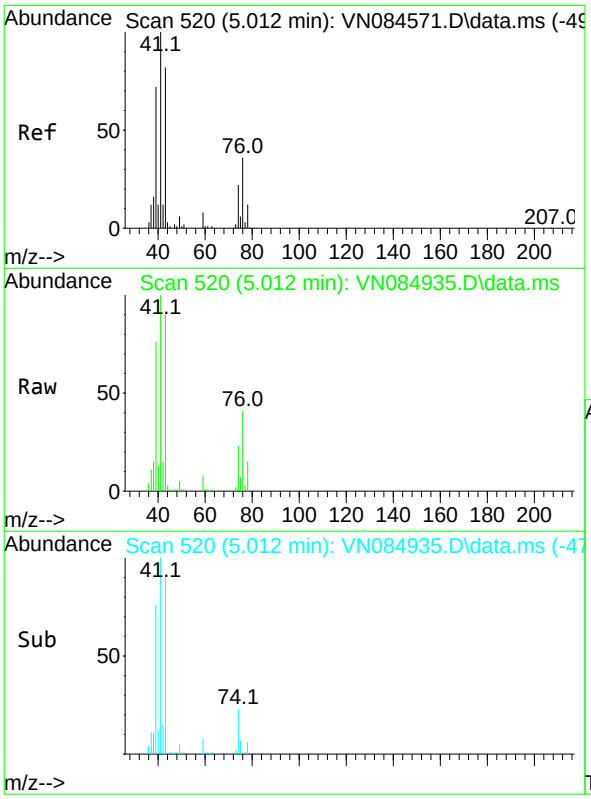
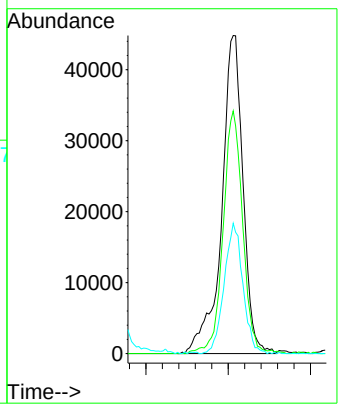
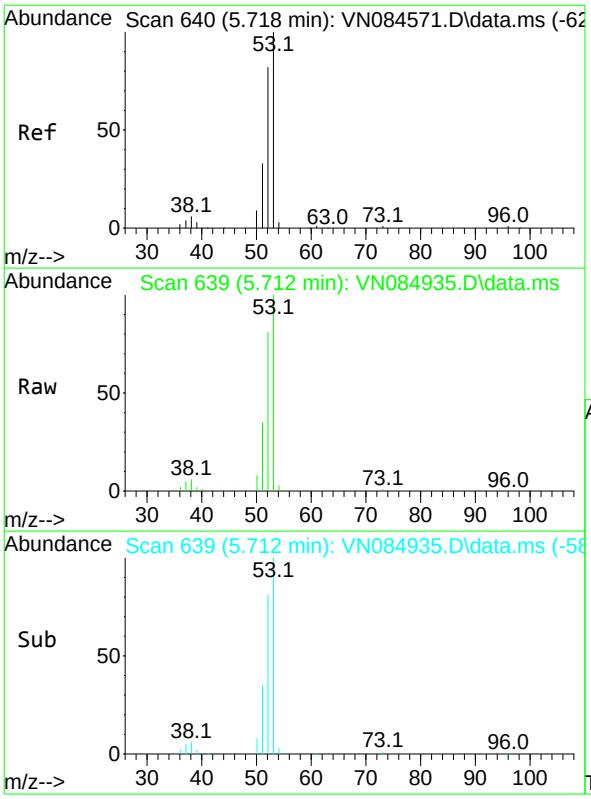


#14
Allyl chloride
Concen: 45.828 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 41 Resp: 161760

Ion	Ratio	Lower	Upper
41	100		
39	69.8	59.0	88.6
76	35.8	29.8	44.6

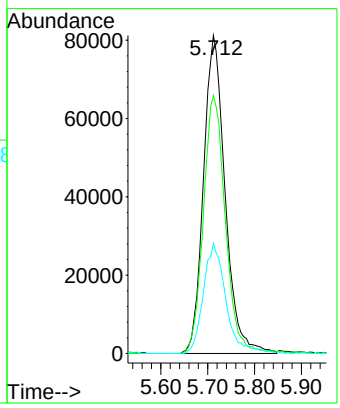




#15
Acrylonitrile
Concen: 246.673 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 53 Resp: 260199

Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.2	99.4
51	36.0	28.8	43.2



Instrument :
MSVOA_N
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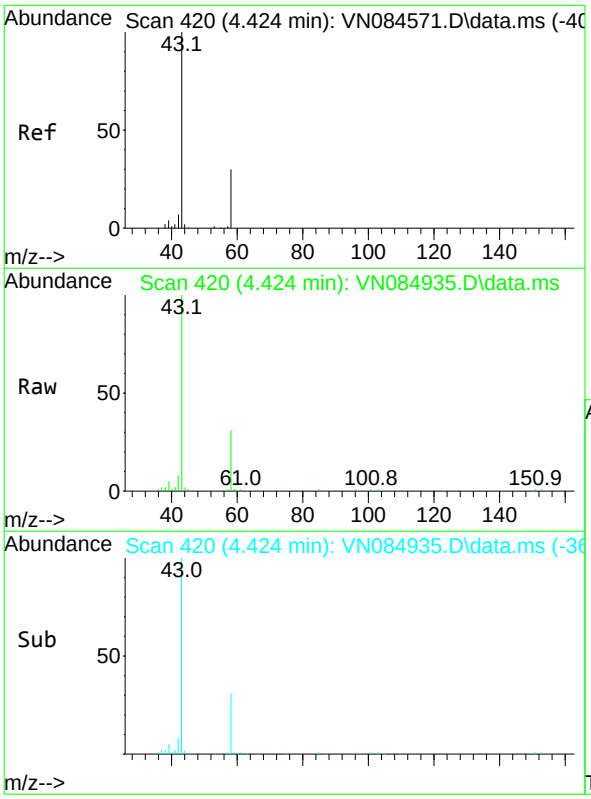
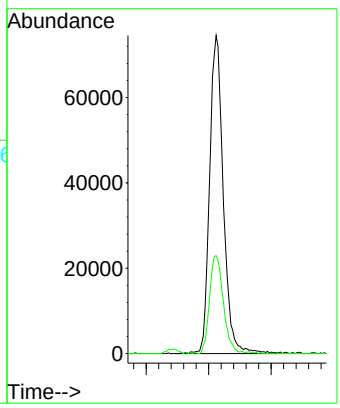
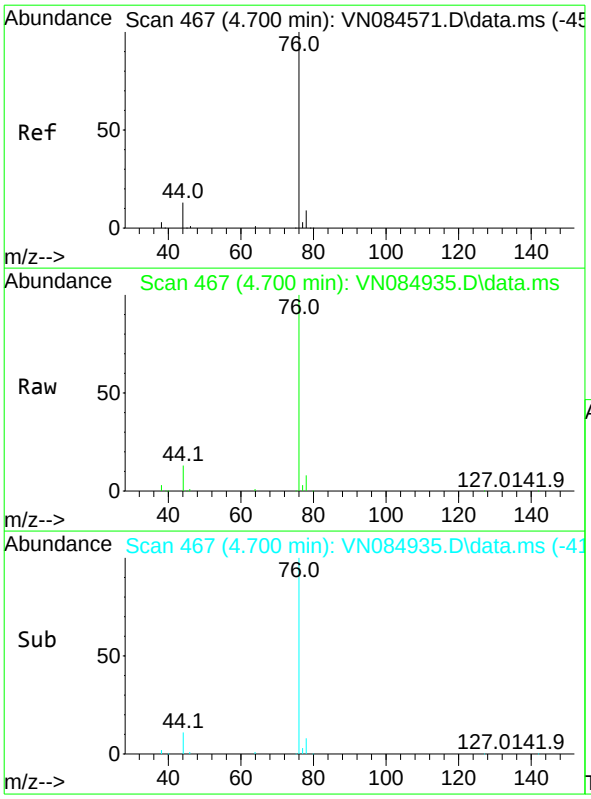


#16
Acetone
Concen: 284.903 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 43 Resp: 226860

Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.4	36.6

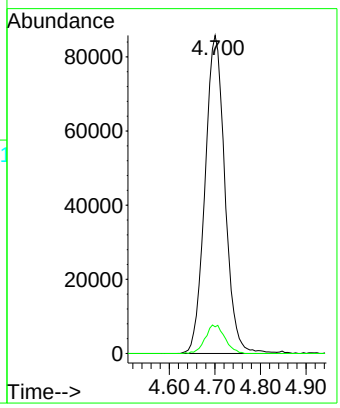




#17
Carbon Disulfide
Concen: 38.771 ug/l
RT: 4.700 min Scan# 46
Delta R.T. -0.012 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 76 Resp: 259868

Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.3	10.9



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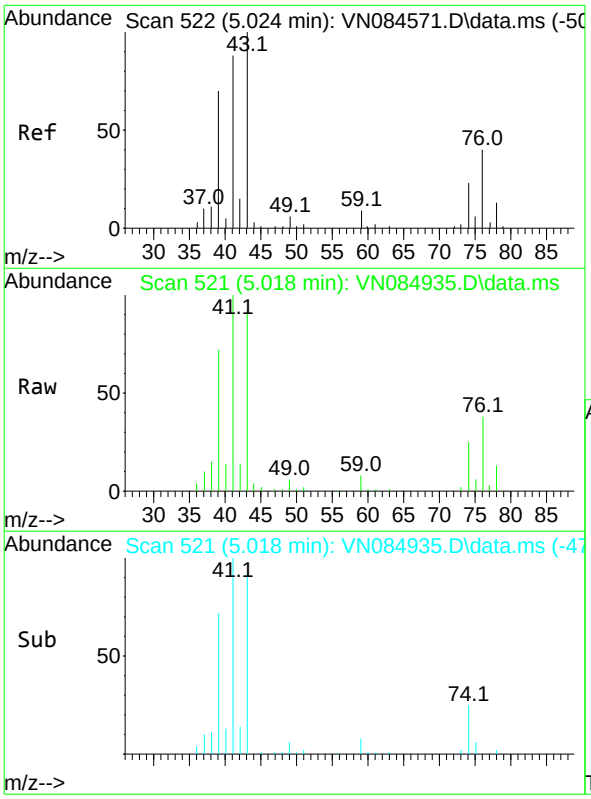
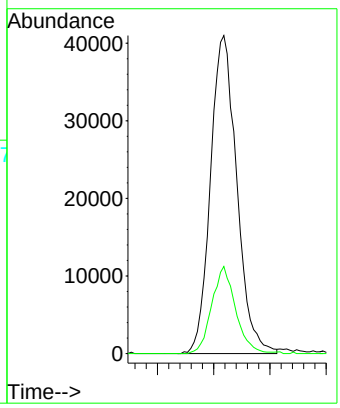
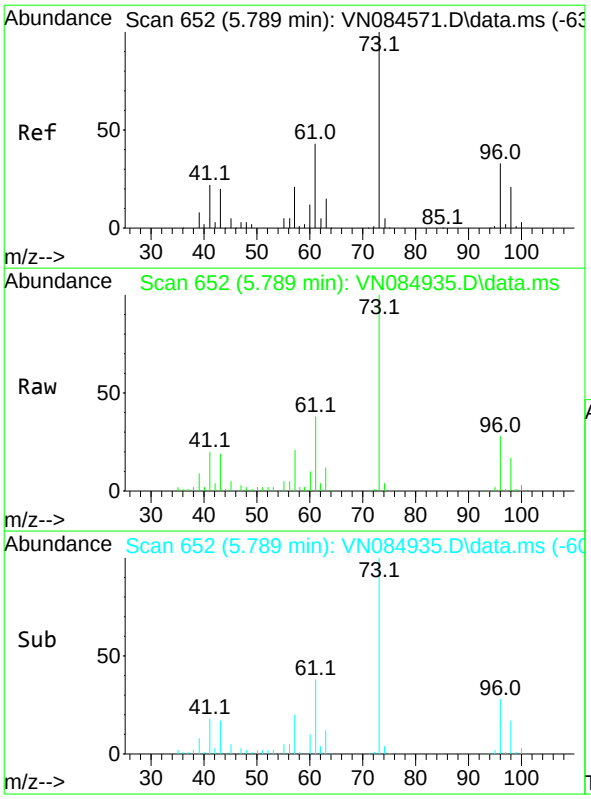


#18
Methyl Acetate
Concen: 45.365 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 43 Resp: 133214

Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.2	28.8

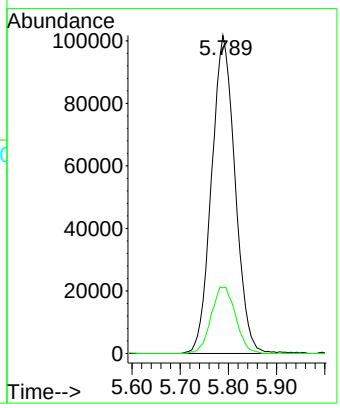




#19
Methyl tert-butyl Ether
Concen: 51.644 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 73 Resp: 344516

Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.7	26.5



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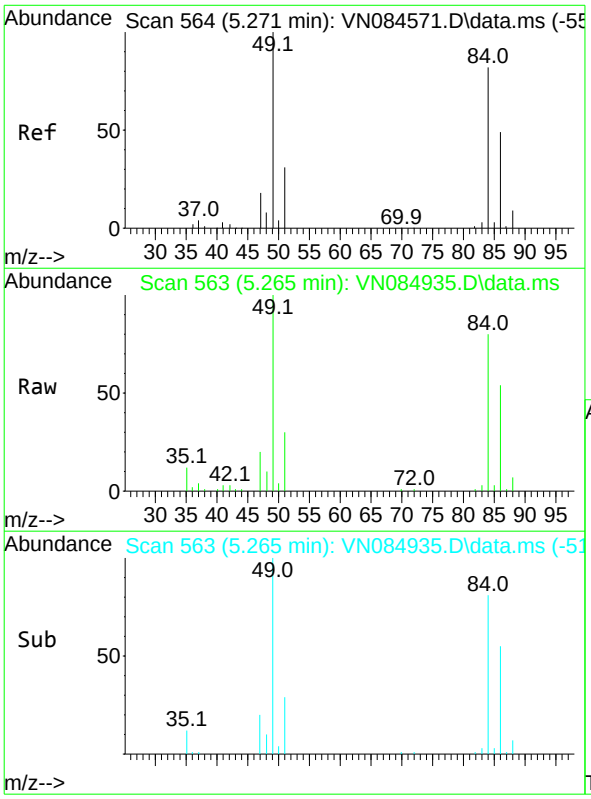
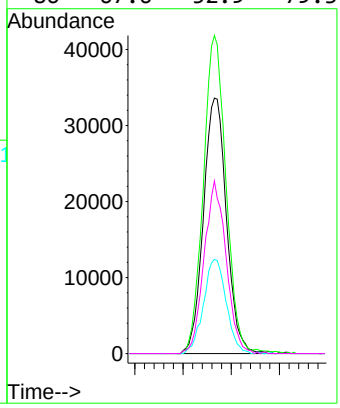
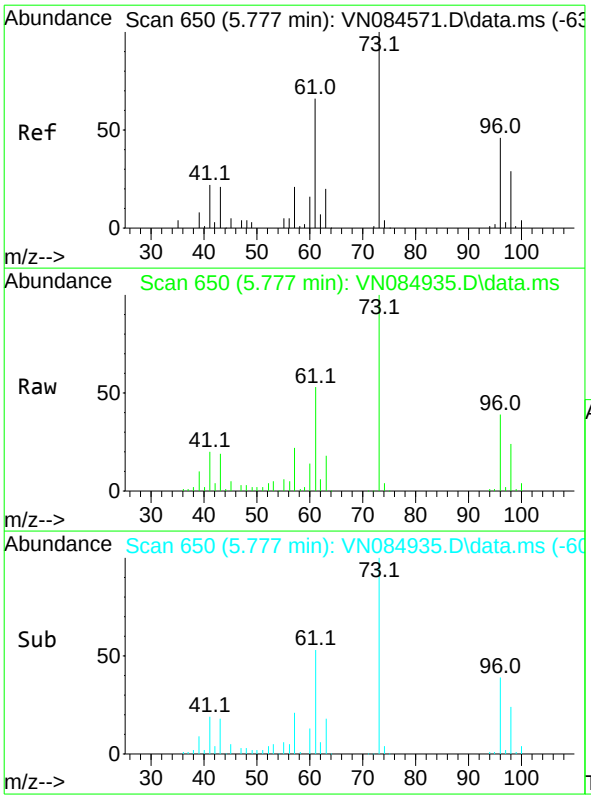


#20
Methylene Chloride
Concen: 46.103 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 84 Resp: 111930

Ion	Ratio	Lower	Upper
84	100		
49	124.5	107.2	160.8
51	36.9	31.8	47.8
86	67.6	52.9	79.3

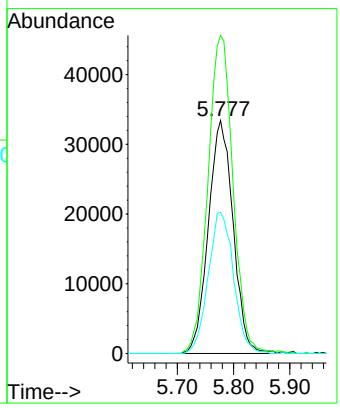




#21
trans-1,2-Dichloroethene
Concen: 45.743 ug/l
RT: 5.777 min Scan# 65
Delta R.T. -0.012 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 96 Resp: 102229

Ion	Ratio	Lower	Upper
96	100		
61	136.5	108.4	162.6
98	60.6	49.8	74.8



Instrument :
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ClientSampleId :
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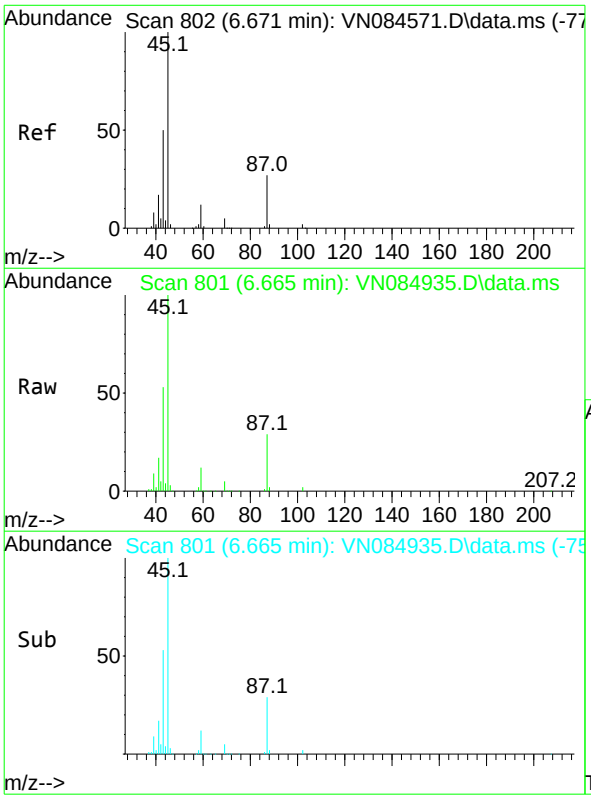
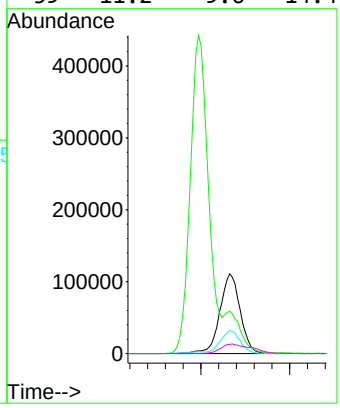
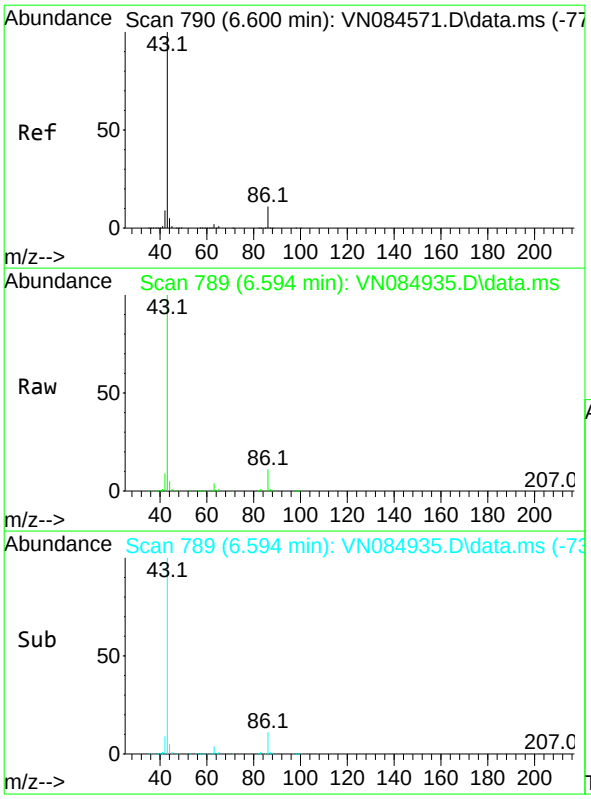


#22
Diisopropyl ether
Concen: 50.286 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 45 Resp: 352685

Ion	Ratio	Lower	Upper
45	100		
43	52.1	42.3	63.5
87	28.8	21.8	32.6
59	11.2	9.6	14.4

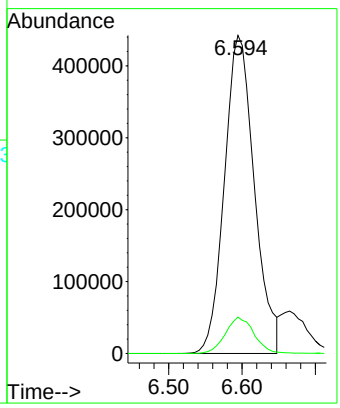




#23
Vinyl Acetate
Concen: 259.595 ug/l
RT: 6.594 min Scan# 78
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 43 Resp: 1255562

Ion	Ratio	Lower	Upper
43	100		
86	11.5	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
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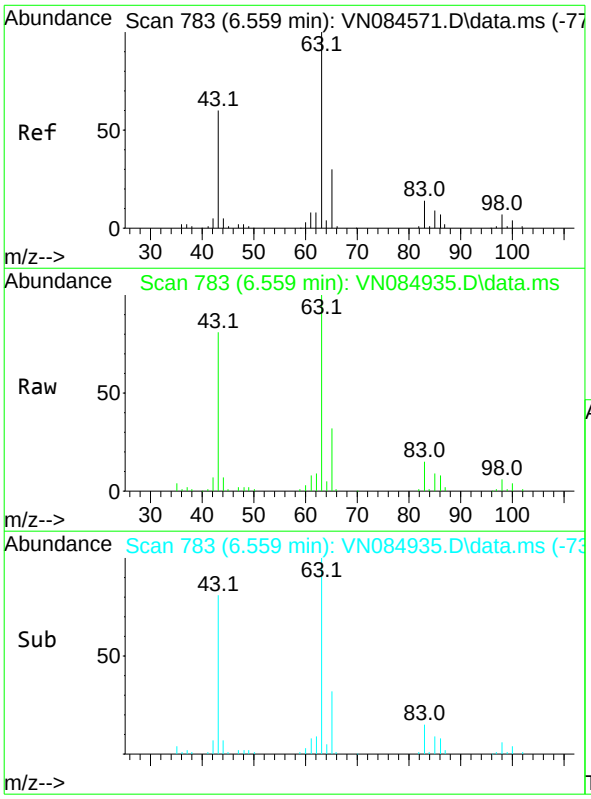
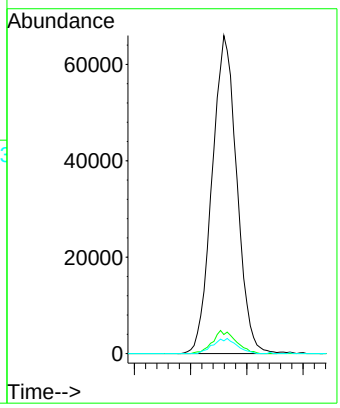
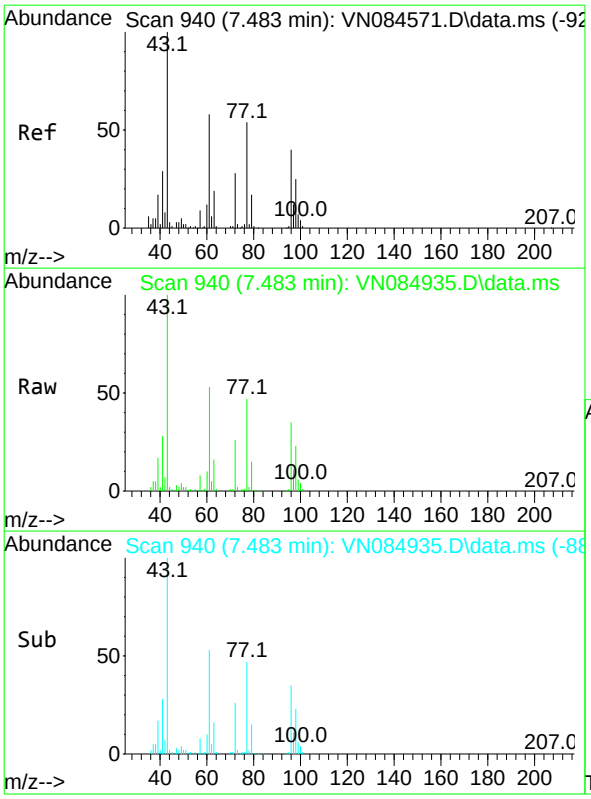


#24
1,1-Dichloroethane
Concen: 47.872 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 63 Resp: 201578

Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.4	10.2
100	4.0	2.0	5.8

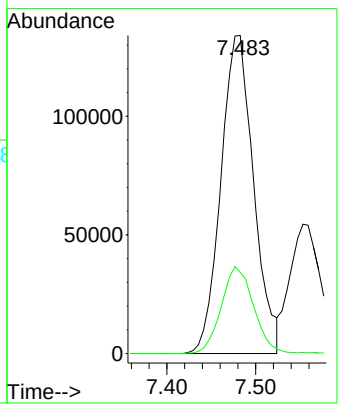




#25
2-Butanone
Concen: 267.147 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 43 Resp: 344040

Ion	Ratio	Lower	Upper
43	100		
72	25.5	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
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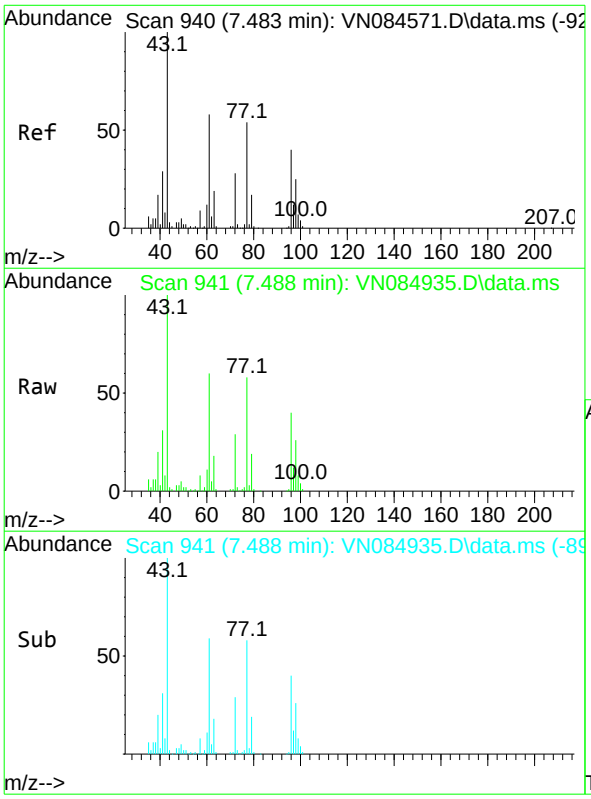
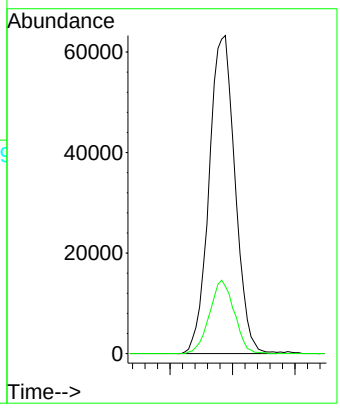
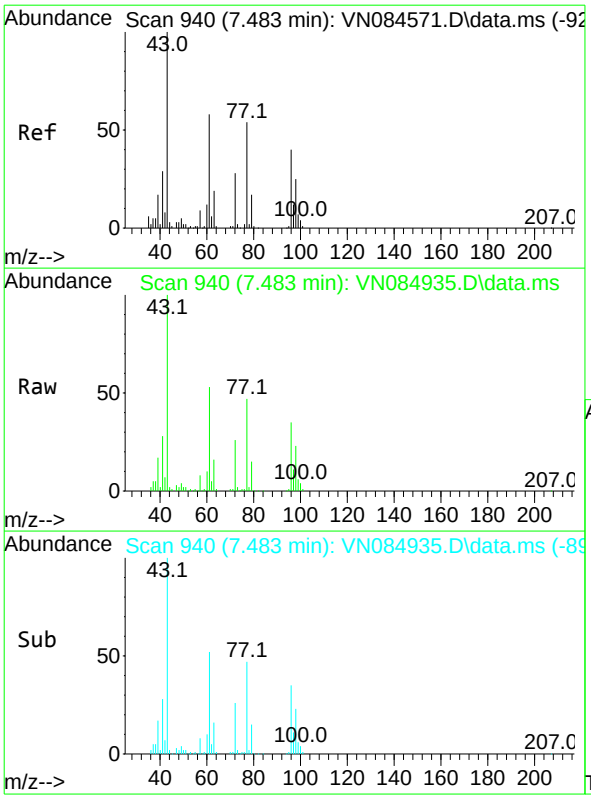


#26
2,2-Dichloropropane
Concen: 49.847 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 77 Resp: 182683

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.8	32.3





#27
cis-1,2-Dichloroethene
Concen: 47.994 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 96 Resp: 125243

Ion	Ratio	Lower	Upper
96	100		
61	148.7	0.0	301.8
98	63.6	0.0	128.2

Instrument :
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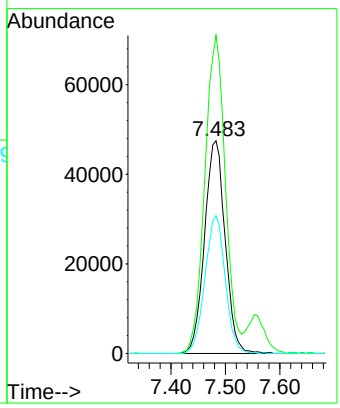
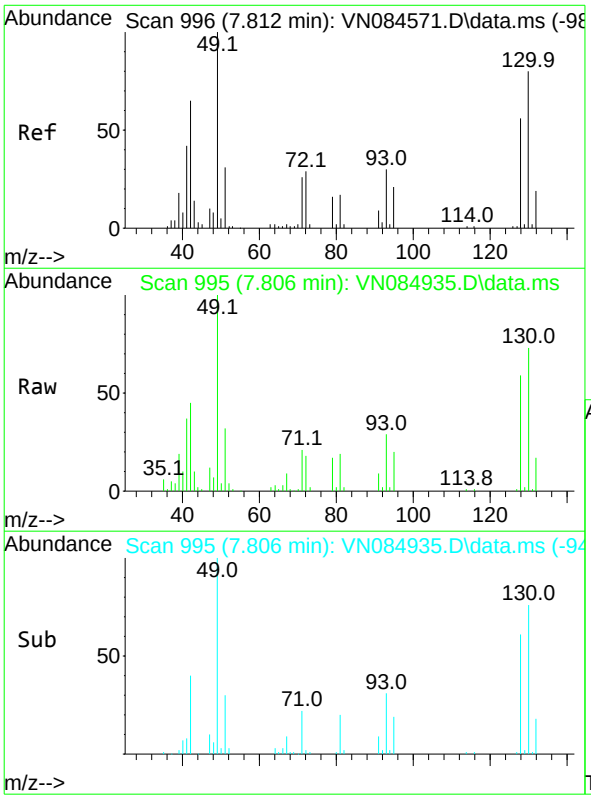
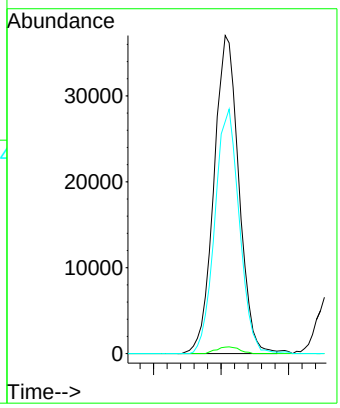


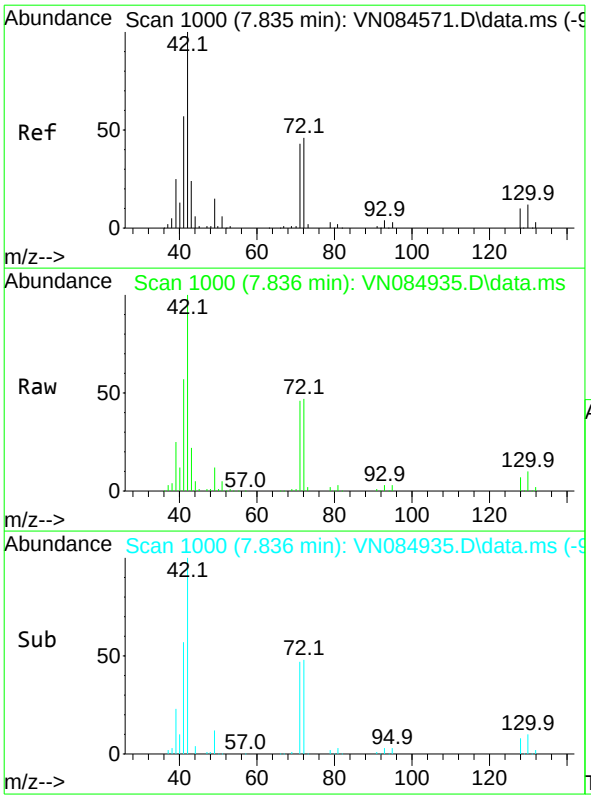


#28
Bromochloromethane
Concen: 56.639 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 49 Resp: 95018

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	75.8	58.0	87.0

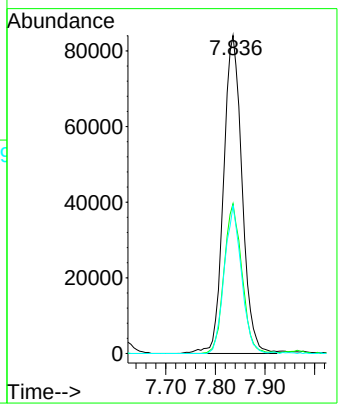




#29
Tetrahydrofuran
Concen: 255.360 ug/l
RT: 7.836 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 42 Resp: 218171

Ion	Ratio	Lower	Upper
42	100		
72	45.4	34.6	51.8
71	43.0	32.2	48.4



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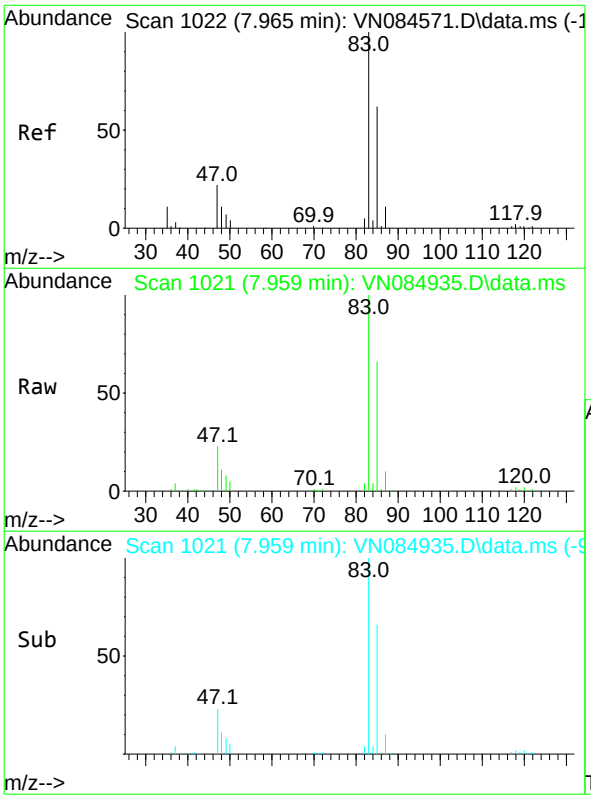
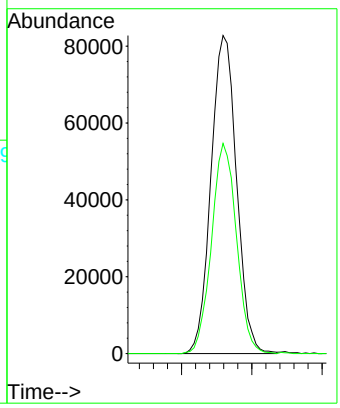
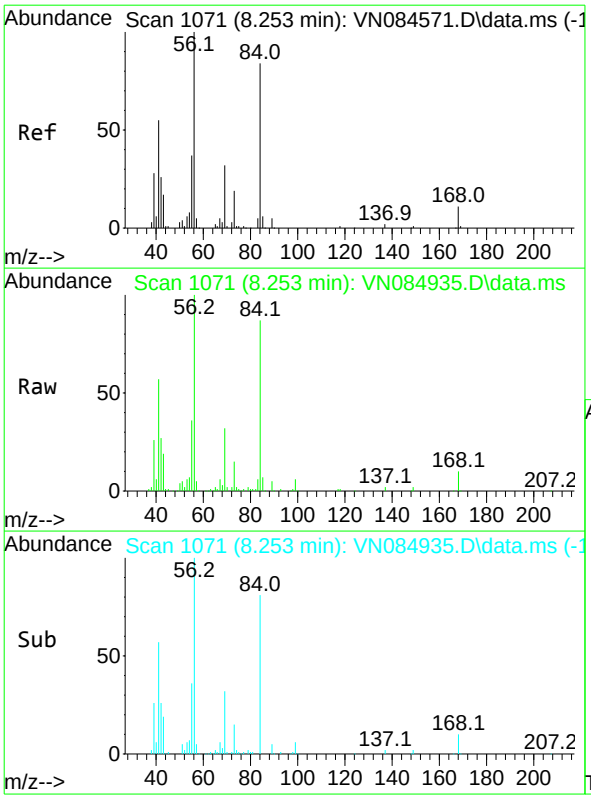


#30
Chloroform
Concen: 48.799 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 83 Resp: 209141

Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.0	76.4

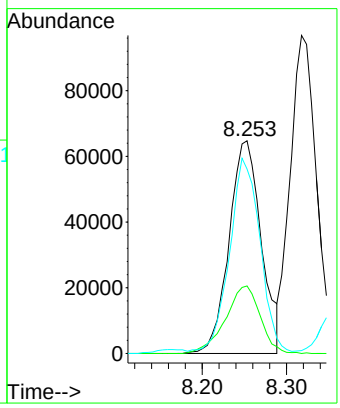




#31
Cyclohexane
Concen: 45.071 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 56 Resp: 171769

Ion	Ratio	Lower	Upper
56	100		
69	31.8	23.8	35.6
84	85.0	68.8	103.2



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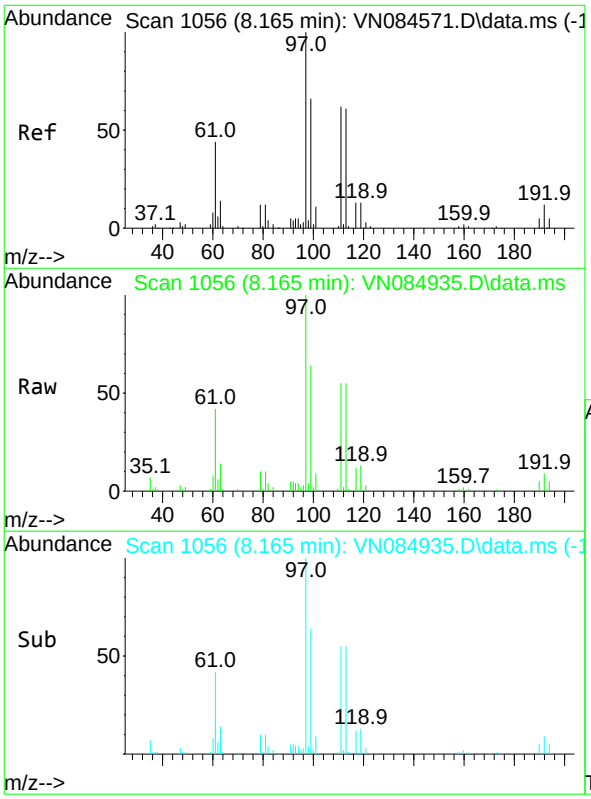
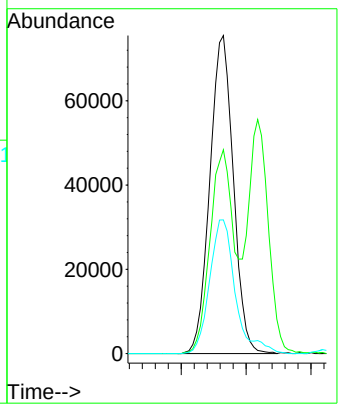
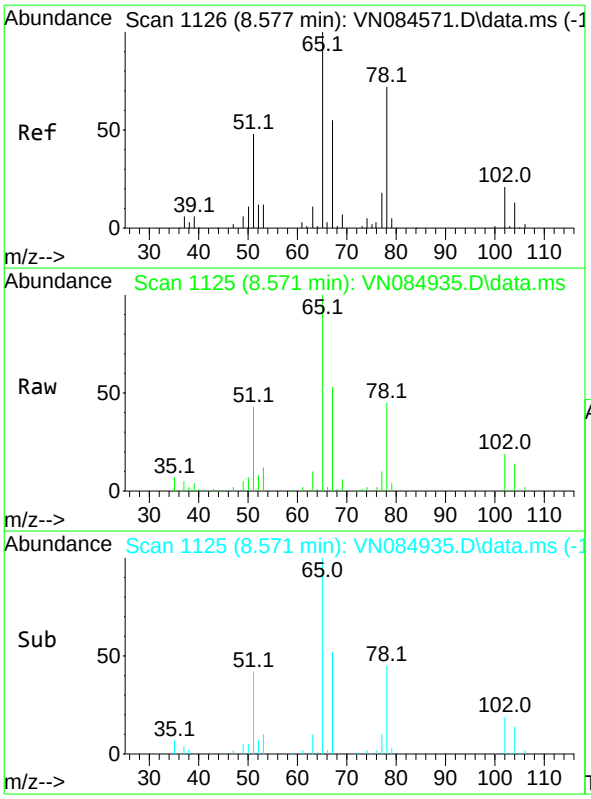


#32
1,1,1-Trichloroethane
Concen: 48.647 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 97 Resp: 189765

Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.2	76.8
61	45.9	37.5	56.3

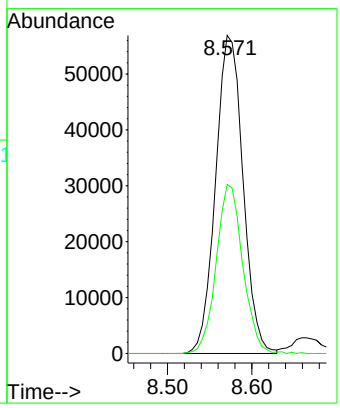




#33
1,2-Dichloroethane-d4
Concen: 46.504 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 65 Resp: 128370

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	102.0



Instrument :
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ClientSampleId :
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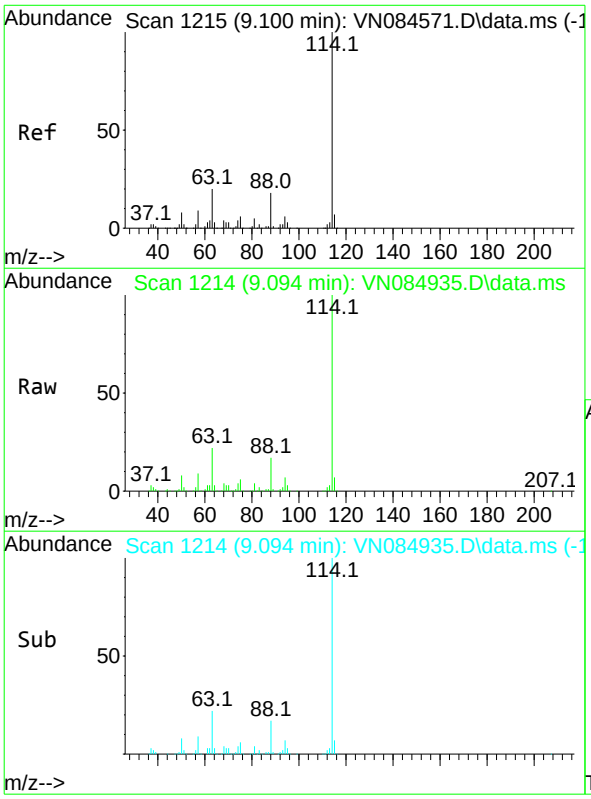
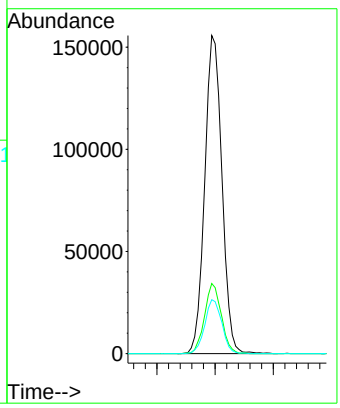
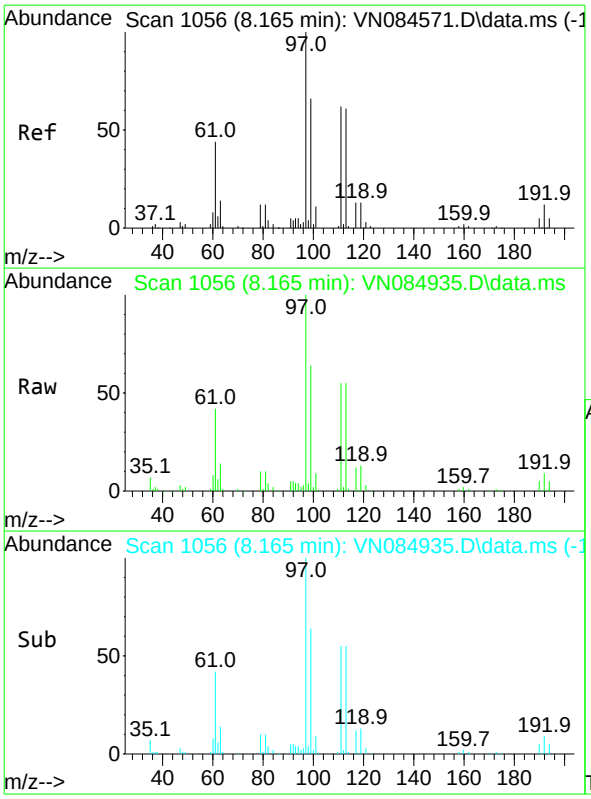


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:114 Resp: 319795

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	43.8
88	17.0	0.0	31.6

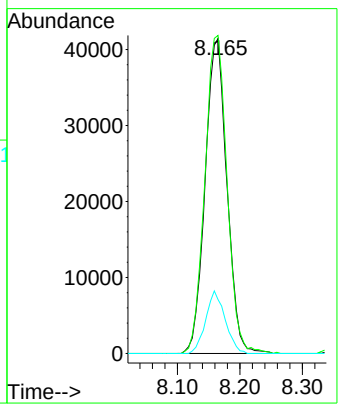




#35
Dibromofluoromethane
Concen: 46.334 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:113 Resp: 100296

Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.3	124.9
192	17.8	13.5	20.3



Instrument :
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ClientSampleId :
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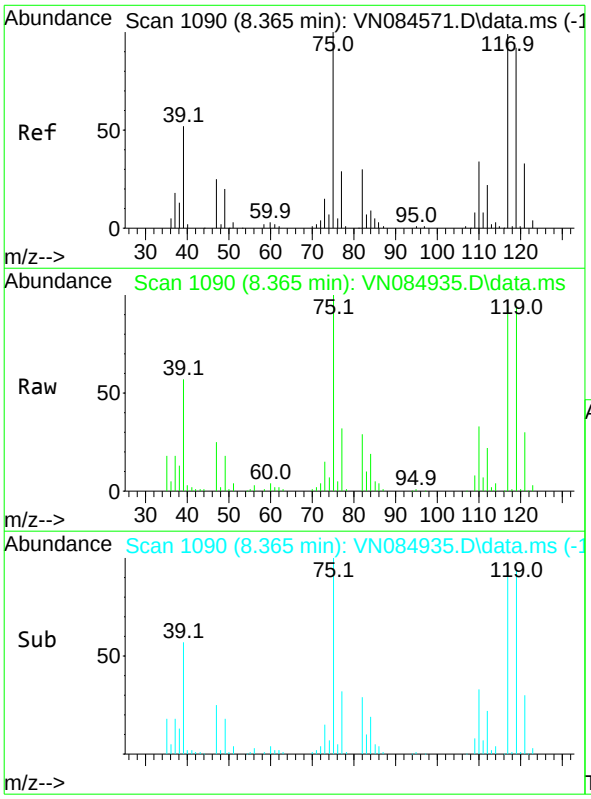
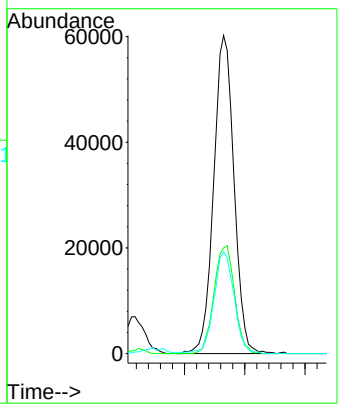
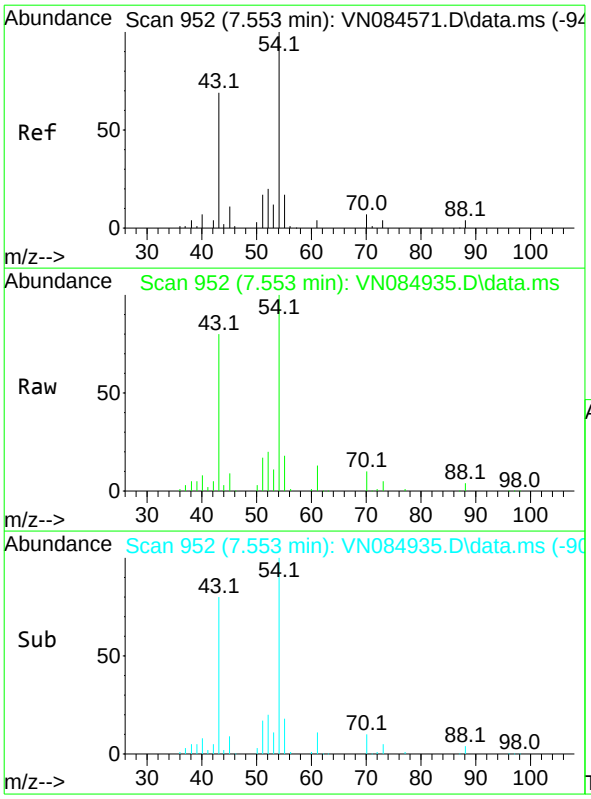


#36
1,1-Dichloropropene
Concen: 46.967 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 75 Resp: 140999

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.7
77	31.8	24.7	37.1





#37
Ethyl Acetate
Concen: 50.101 ug/l
RT: 7.553 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 43 Resp: 136462

Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.7	16.1
70	11.9	8.8	13.2

Instrument :
MSVOA_N
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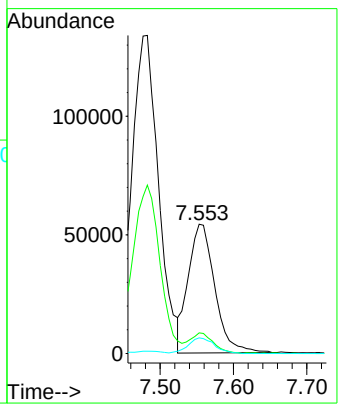
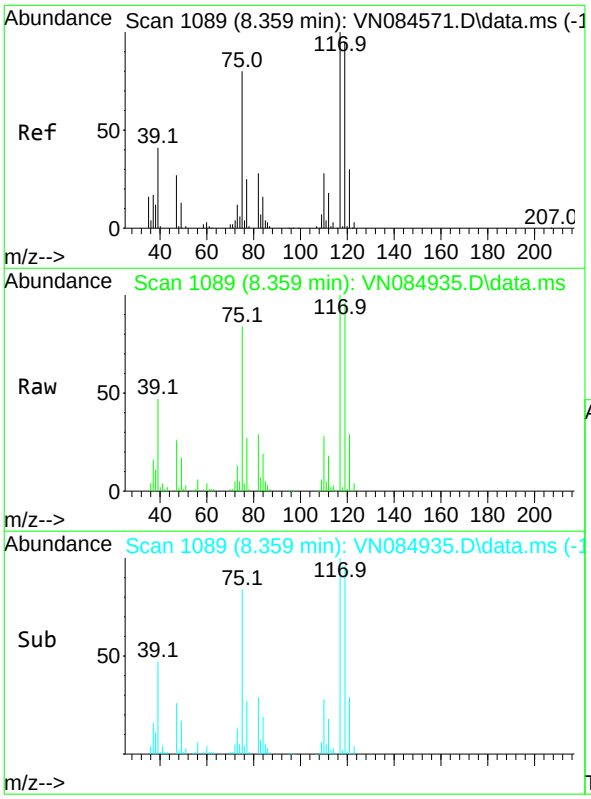
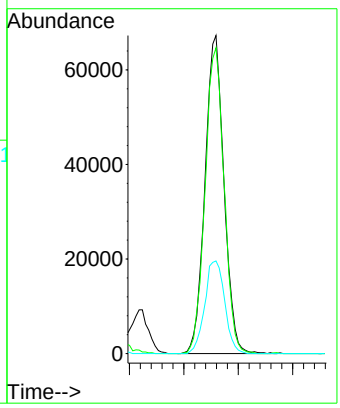


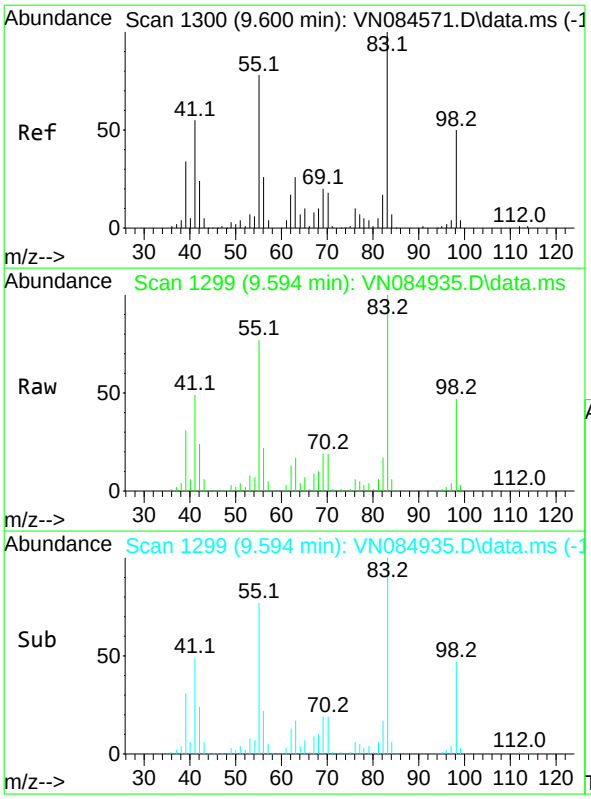


#38
Carbon Tetrachloride
Concen: 48.570 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:117 Resp: 162977

Ion	Ratio	Lower	Upper
117	100		
119	96.1	78.7	118.1
121	29.1	24.4	36.6

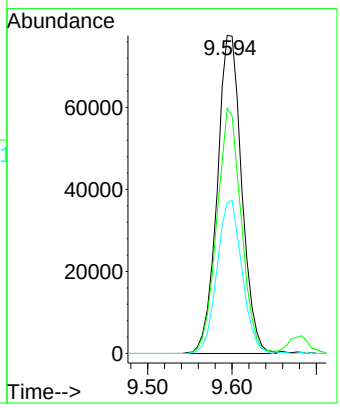




#39
Methylcyclohexane
Concen: 51.303 ug/l
RT: 9.594 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 83 Resp: 156684

Ion	Ratio	Lower	Upper
83	100		
55	77.0	62.8	94.2
98	47.3	38.8	58.2



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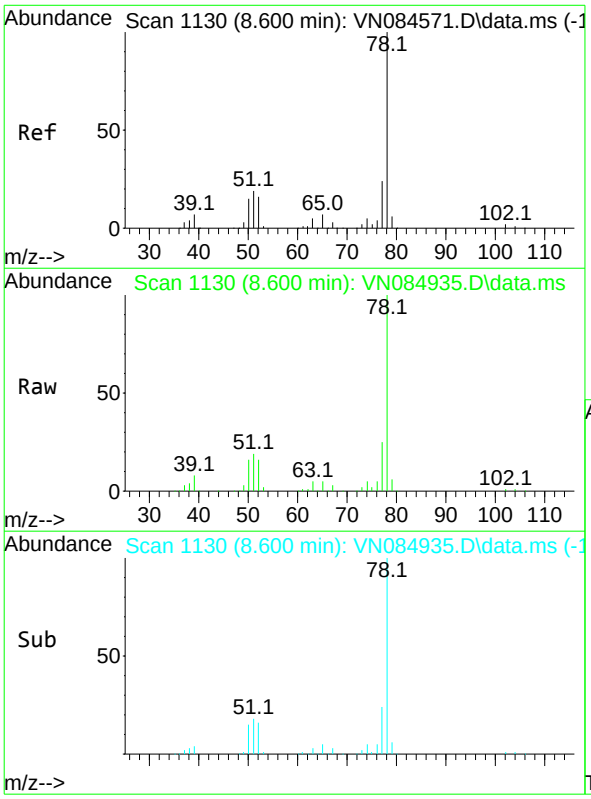
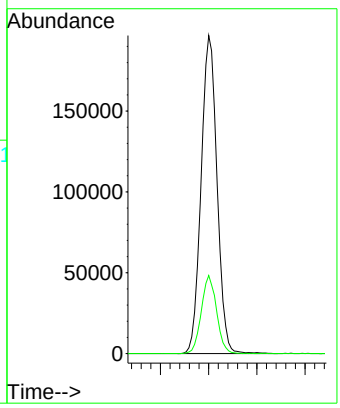
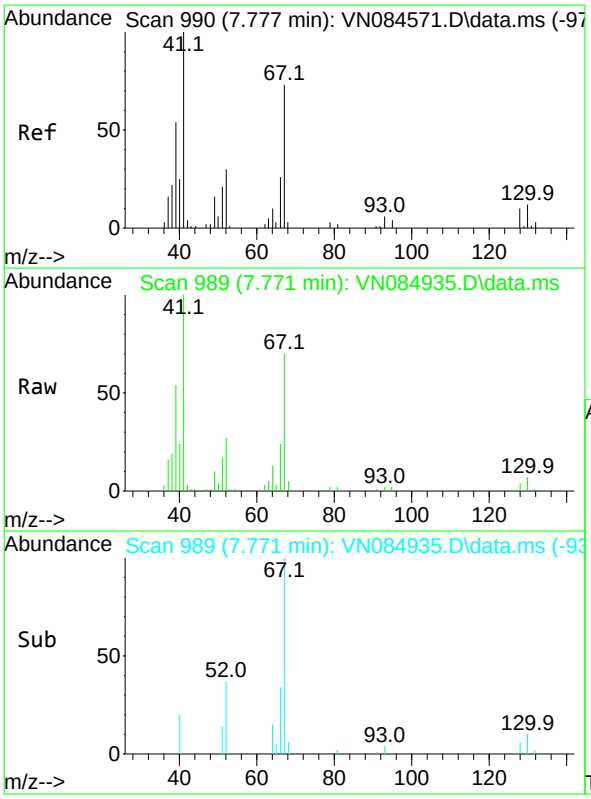


#40
Benzene
Concen: 46.788 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 78 Resp: 451082

Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.1	28.7

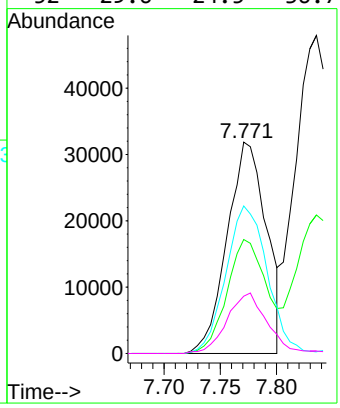




#41
Methacrylonitrile
Concen: 52.820 ug/l
RT: 7.771 min Scan# 98
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 41 Resp: 77366

Ion	Ratio	Lower	Upper
41	100		
39	53.6	43.3	64.9
67	73.6	56.1	84.1
52	29.6	24.5	36.7



Instrument :
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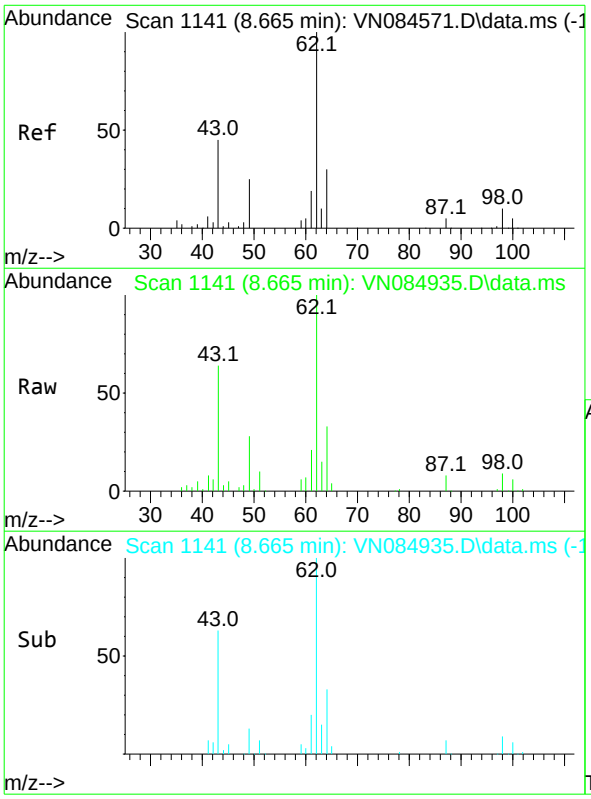
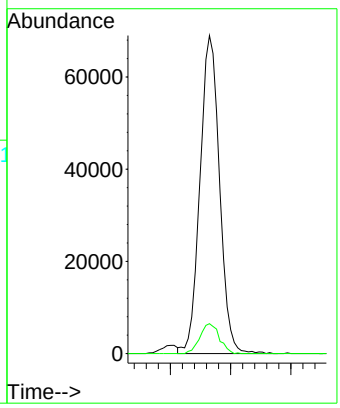
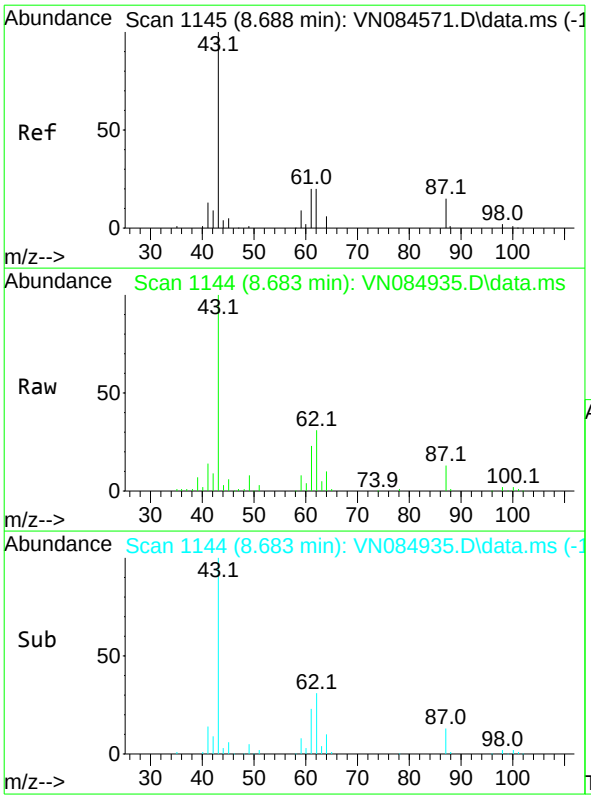


#42
1,2-Dichloroethane
Concen: 49.771 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 62 Resp: 155403

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.2





#43
Isopropyl Acetate
Concen: 49.952 ug/l
RT: 8.683 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 43 Resp: 251358

Ion	Ratio	Lower	Upper
43	100		
61	25.7	20.4	30.6
87	12.8	10.3	15.5

Instrument :
MSVOA_N
ClientSampleId :
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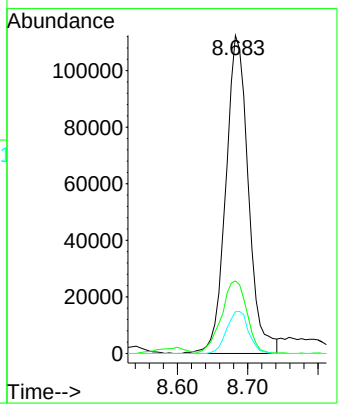
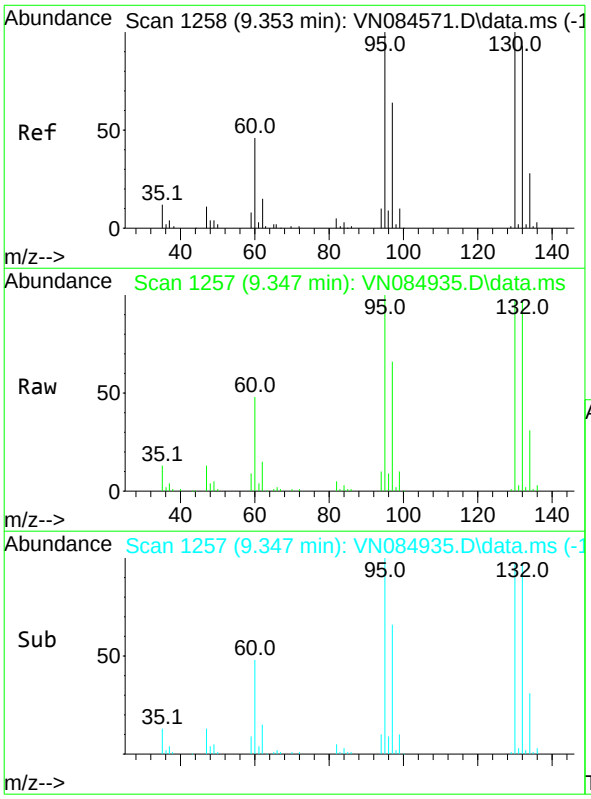
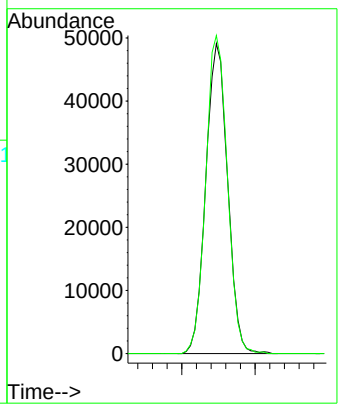


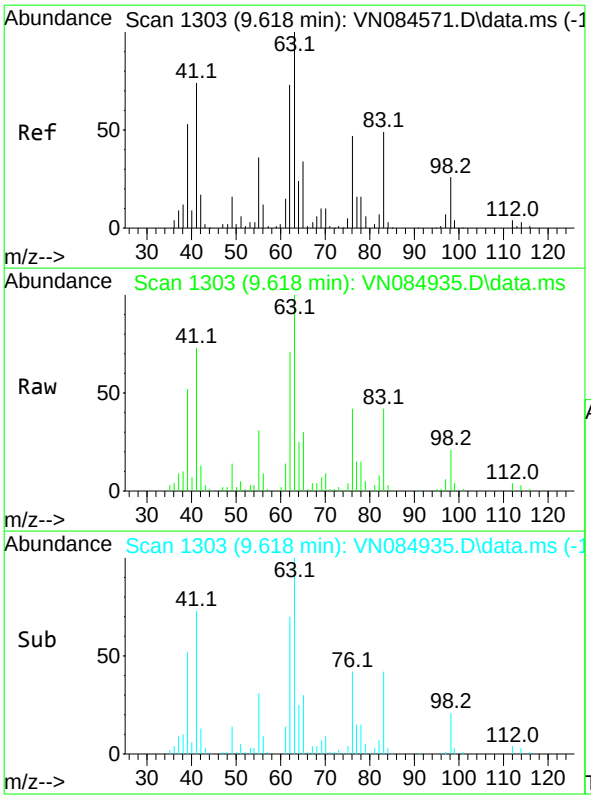


#44
Trichloroethene
Concen: 45.632 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:130 Resp: 101462

Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	203.0

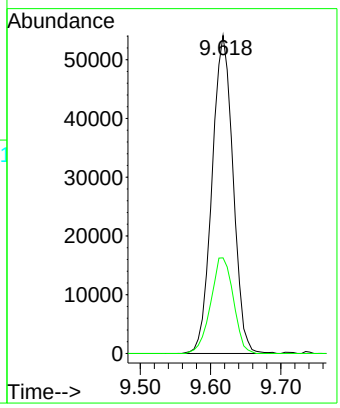




#45
1,2-Dichloropropane
Concen: 49.656 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 63 Resp: 112302

Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.6	37.0



Instrument :
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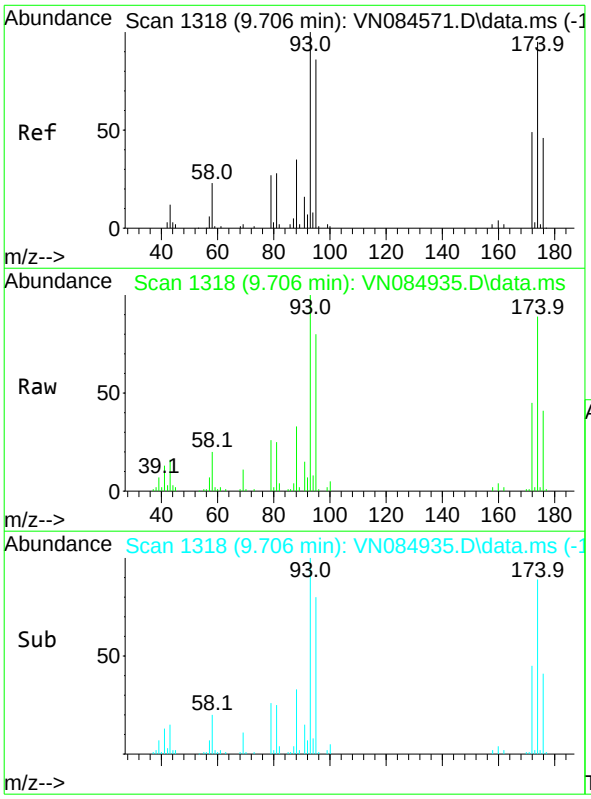
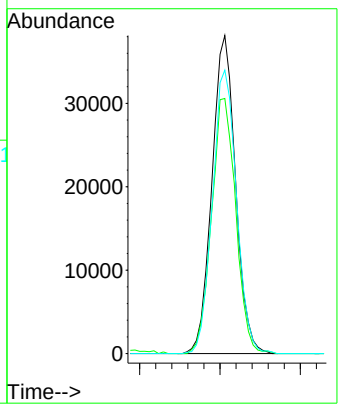
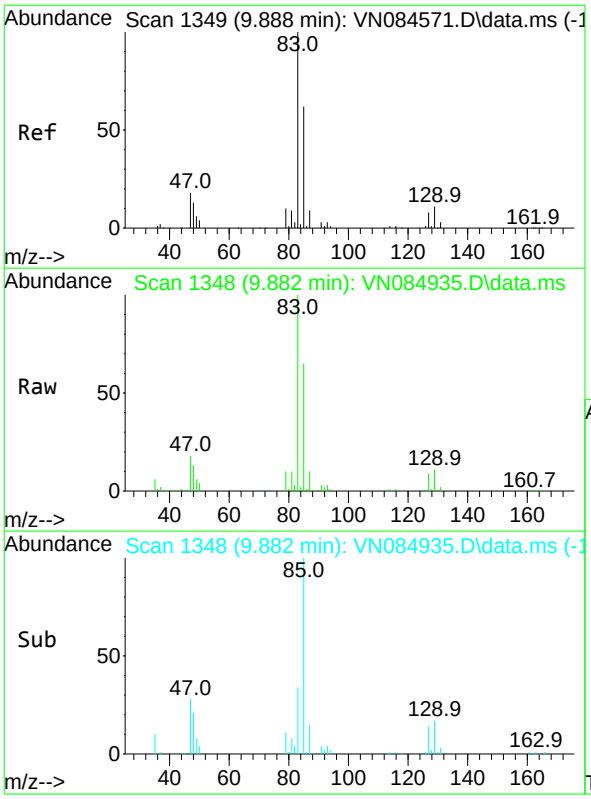


#46
Dibromomethane
Concen: 48.708 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 93 Resp: 77732

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.0	97.4
174	90.9	71.8	107.8

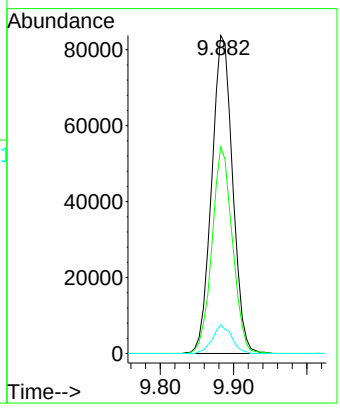




#47
Bromodichloromethane
Concen: 49.250 ug/l
RT: 9.882 min Scan# 13
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 83 Resp: 165675

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.5	77.3
127	9.1	5.7	8.5#



Instrument :
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ClientSampleId :
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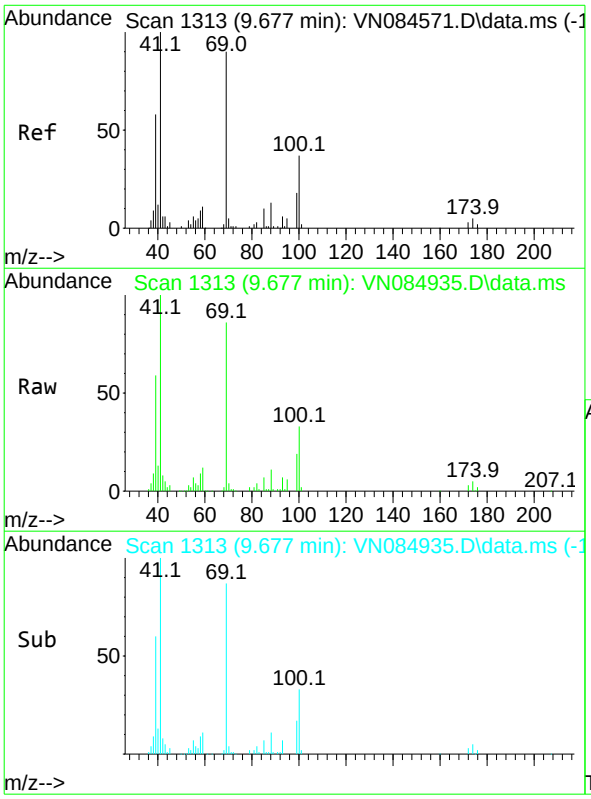
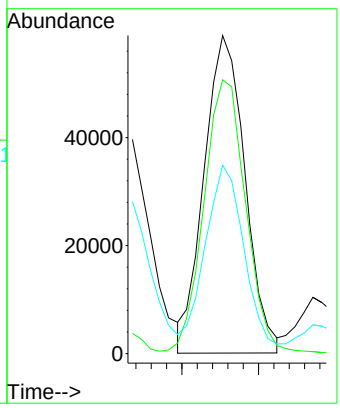
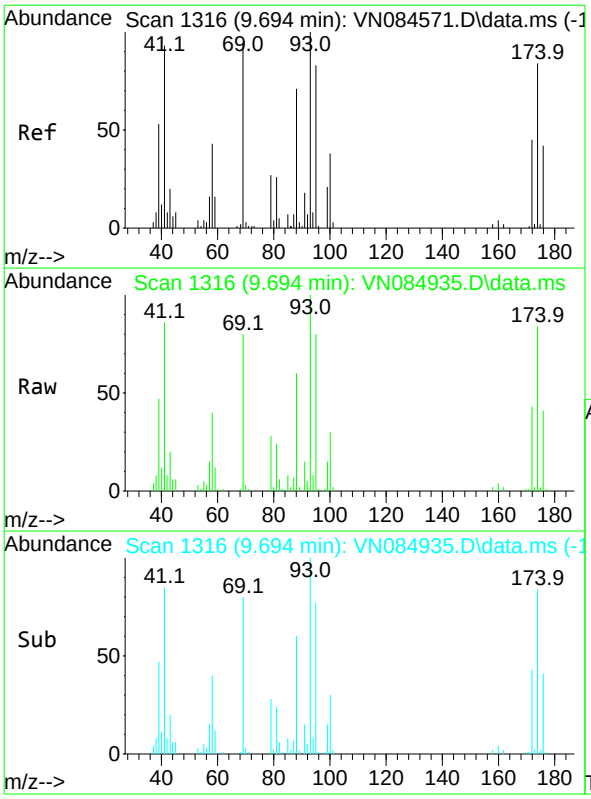


#48
Methyl methacrylate
Concen: 51.400 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 41 Resp: 108960

Ion	Ratio	Lower	Upper
41	100		
69	88.8	67.1	100.7
39	57.1	45.8	68.6

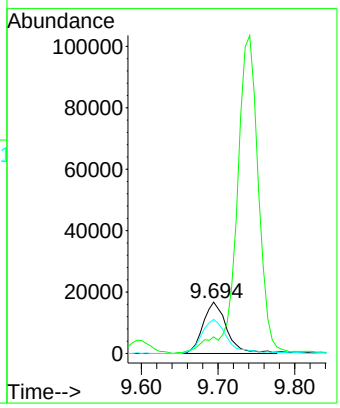




#49
1,4-Dioxane
Concen: 962.235 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 88 Resp: 36146

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	71.9	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
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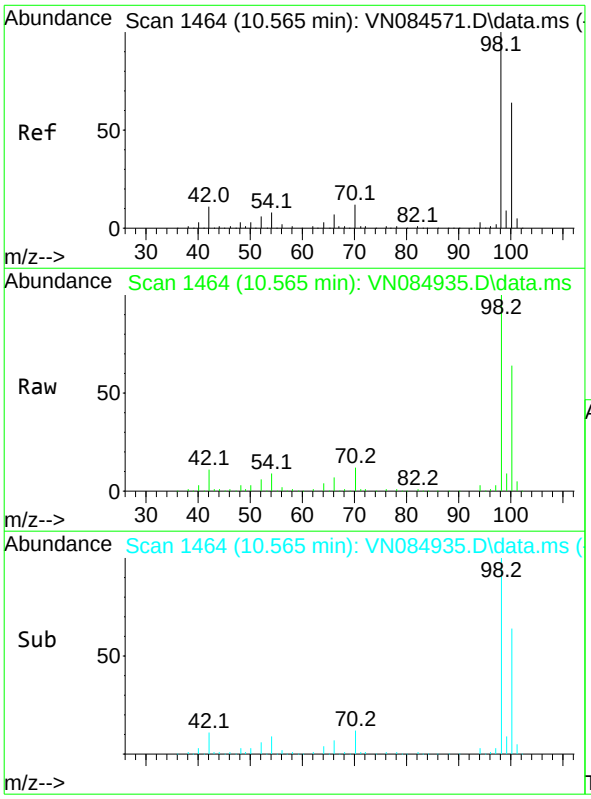
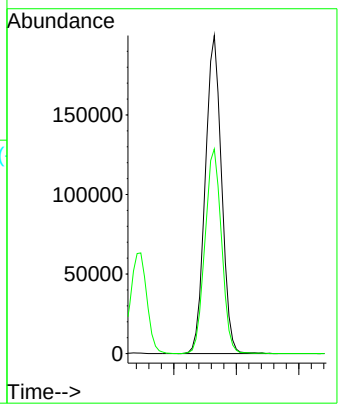
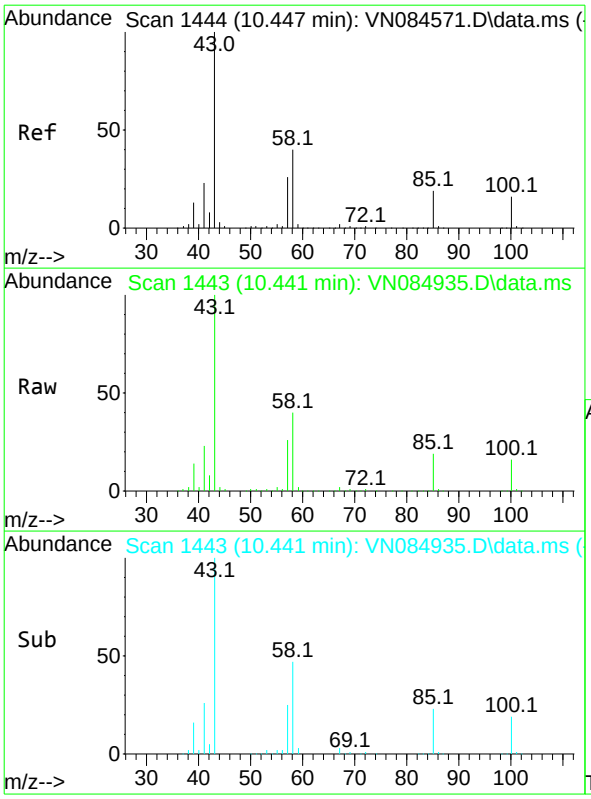


#50
Toluene-d8
Concen: 45.374 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 98 Resp: 361805

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.7	79.1

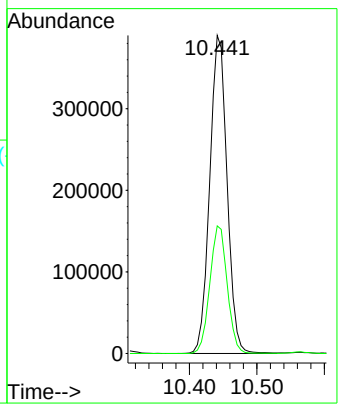




#51
4-Methyl-2-Pentanone
Concen: 267.698 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 43 Resp: 695093

Ion	Ratio	Lower	Upper
43	100		
58	40.2	31.6	47.4



Instrument :
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ClientSampleId :
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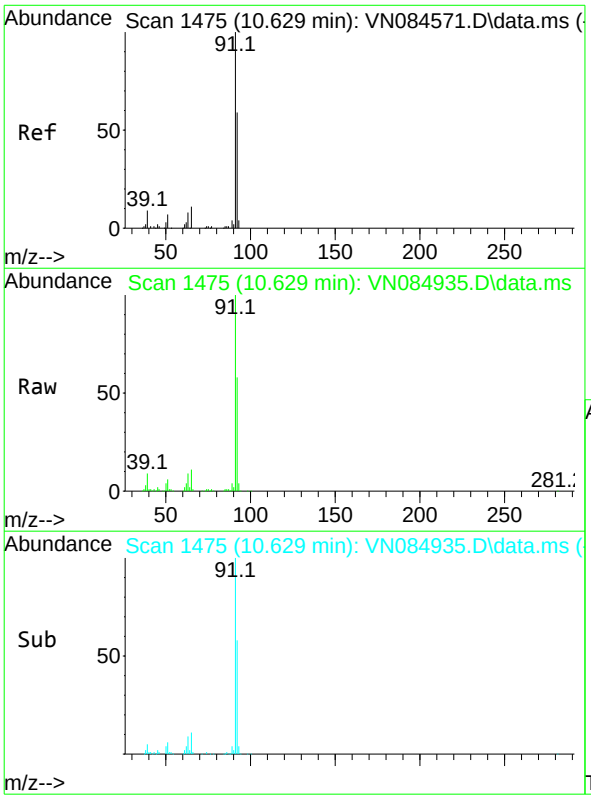
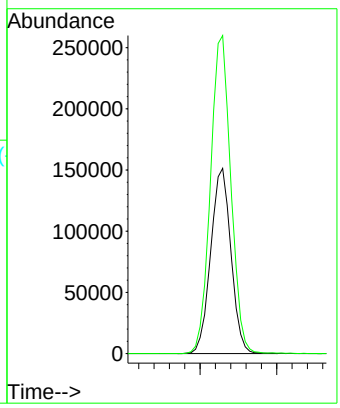
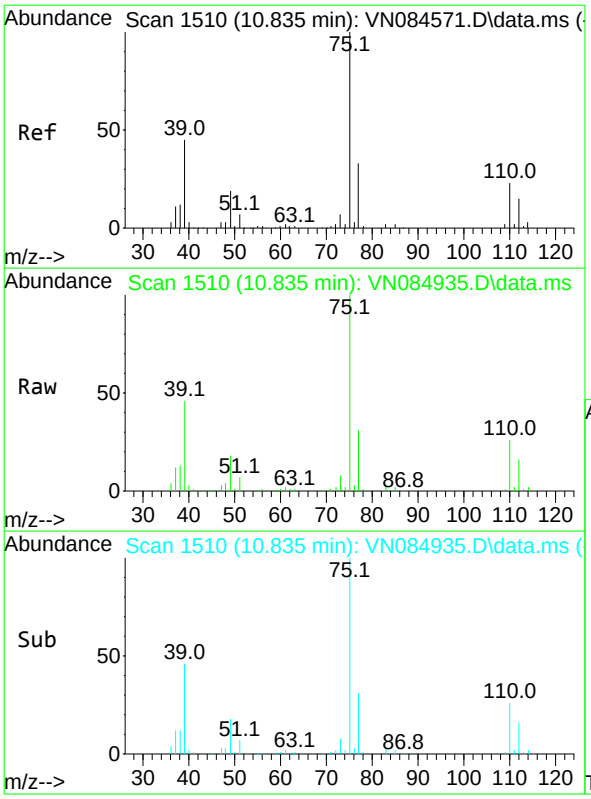


#52
Toluene
Concen: 49.188 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 92 Resp: 277347

Ion	Ratio	Lower	Upper
92	100		
91	172.7	137.3	205.9

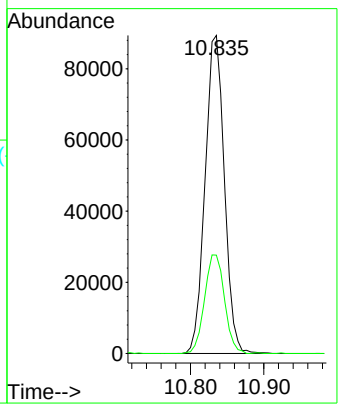




#53
t-1,3-Dichloropropene
Concen: 46.744 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 75 Resp: 162768

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0



Instrument :
MSVOA_N
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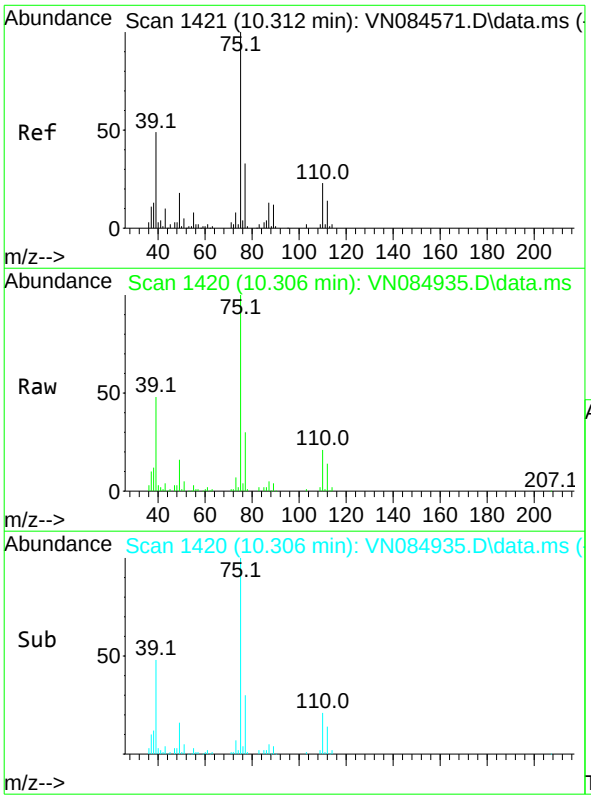
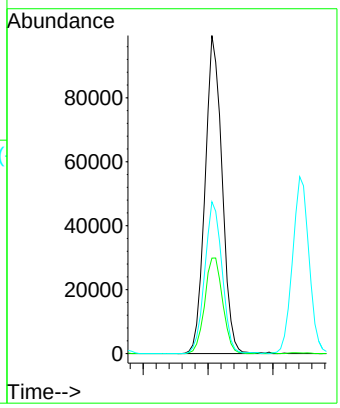
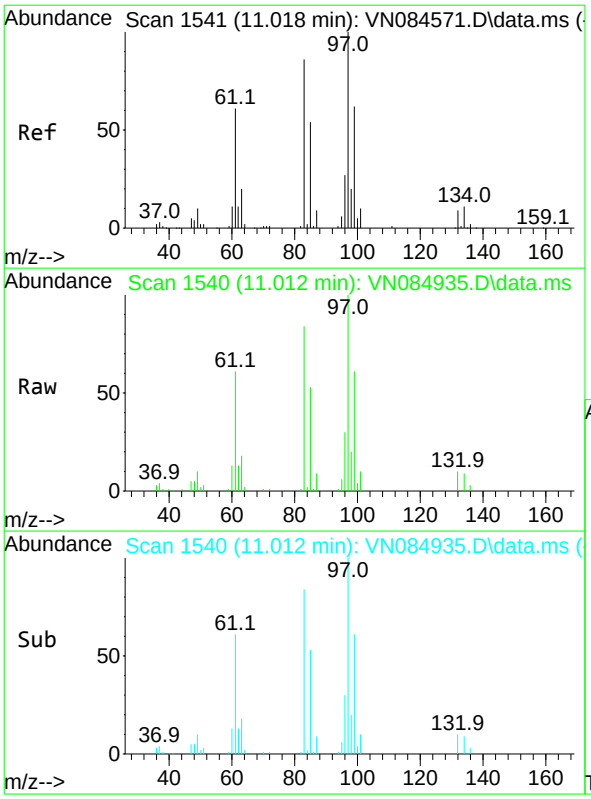


#54
cis-1,3-Dichloropropene
Concen: 49.151 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 75 Resp: 181142

Ion	Ratio	Lower	Upper
75	100		
77	30.0	24.2	36.2
39	47.7	38.7	58.1

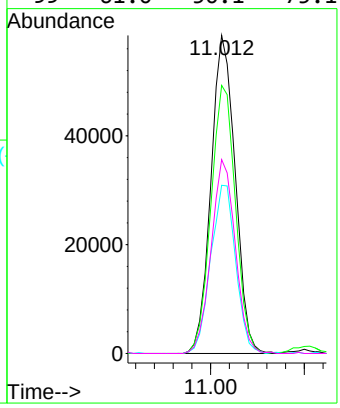




#55
1,1,2-Trichloroethane
Concen: 49.408 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 97 Resp: 104942

Ion	Ratio	Lower	Upper
97	100		
83	84.3	71.0	106.4
85	52.9	41.7	62.5
99	61.0	50.1	75.1



Instrument :
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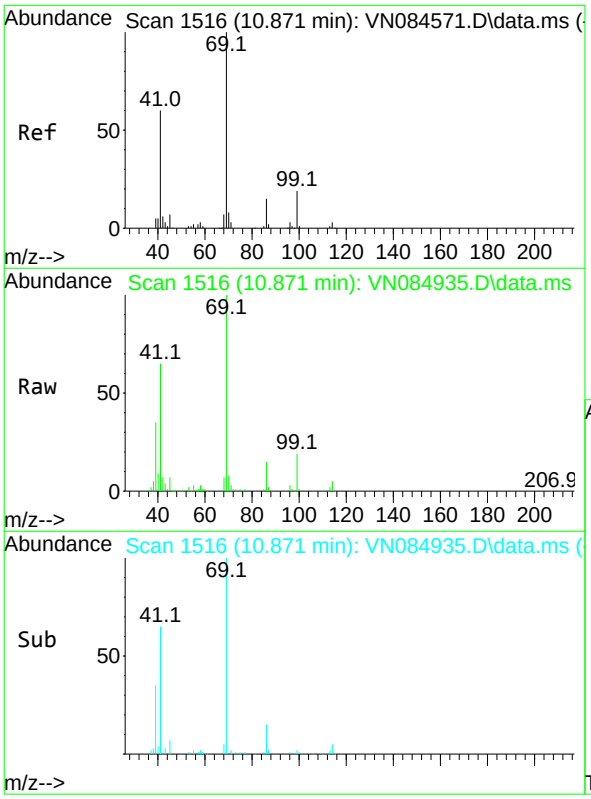
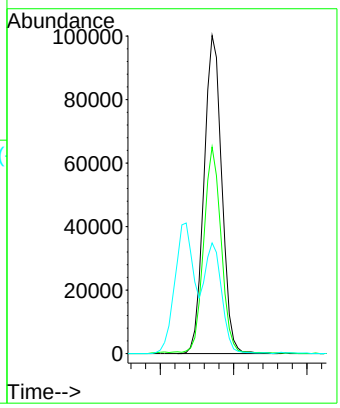
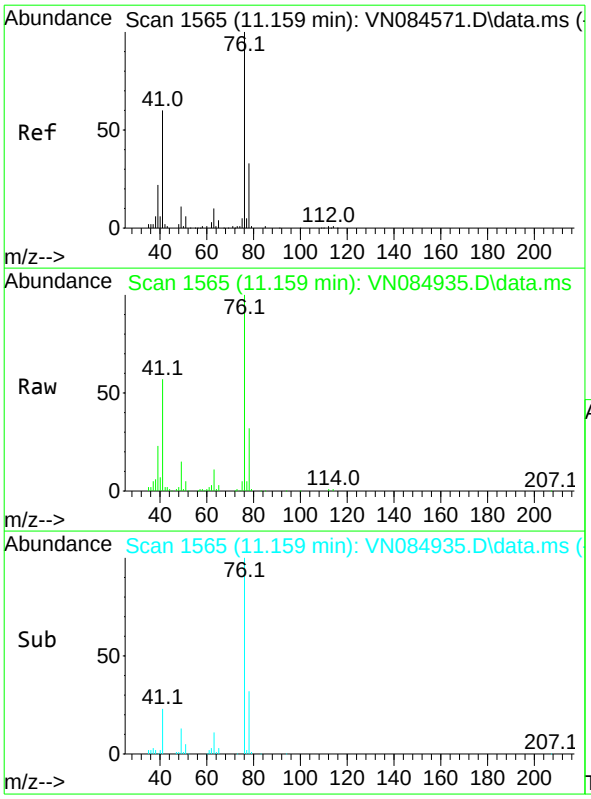


#56
Ethyl methacrylate
Concen: 54.801 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 69 Resp: 168362

Ion	Ratio	Lower	Upper
69	100		
41	64.4	53.3	79.9
39	33.9	28.8	43.2

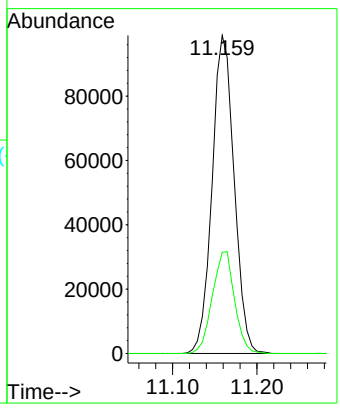




#57
1,3-Dichloropropane
Concen: 49.230 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 76 Resp: 179454

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.6



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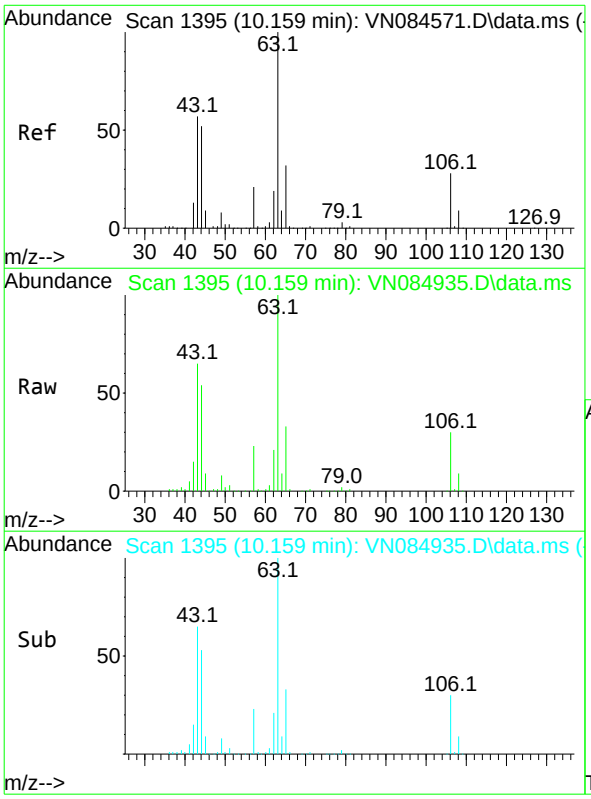
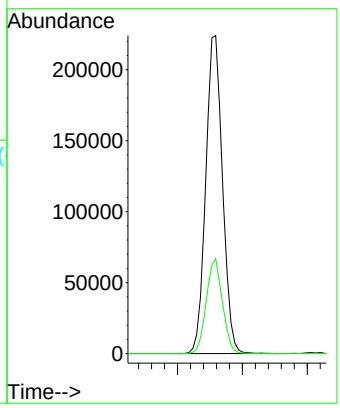
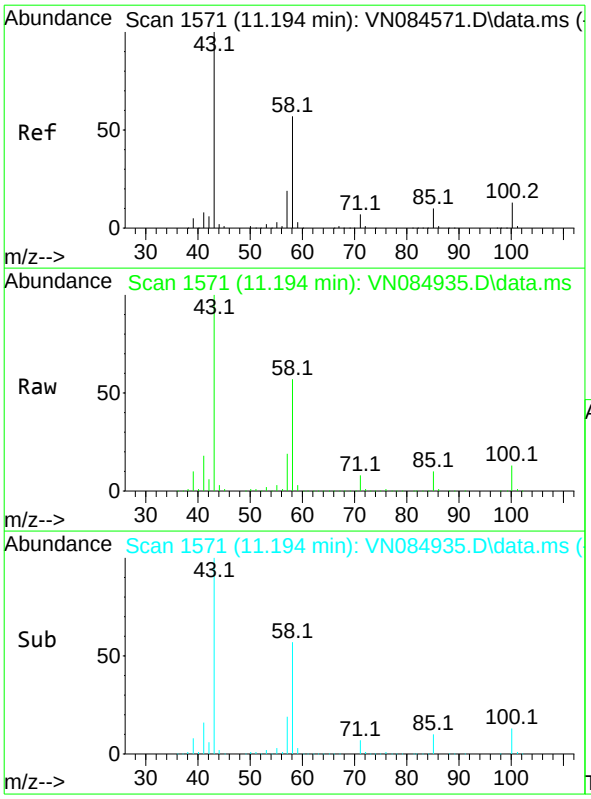


#58
2-Chloroethyl Vinyl ether
Concen: 279.659 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 63 Resp: 402039

Ion	Ratio	Lower	Upper
63	100		
106	28.6	21.8	32.6

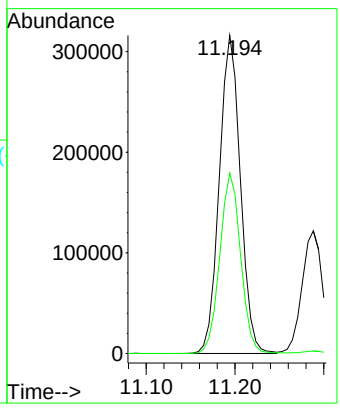




#59
2-Hexanone
Concen: 275.870 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 43 Resp: 521393

Ion	Ratio	Lower	Upper
43	100		
58	56.0	27.3	81.8



Instrument :
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ClientSampleId :
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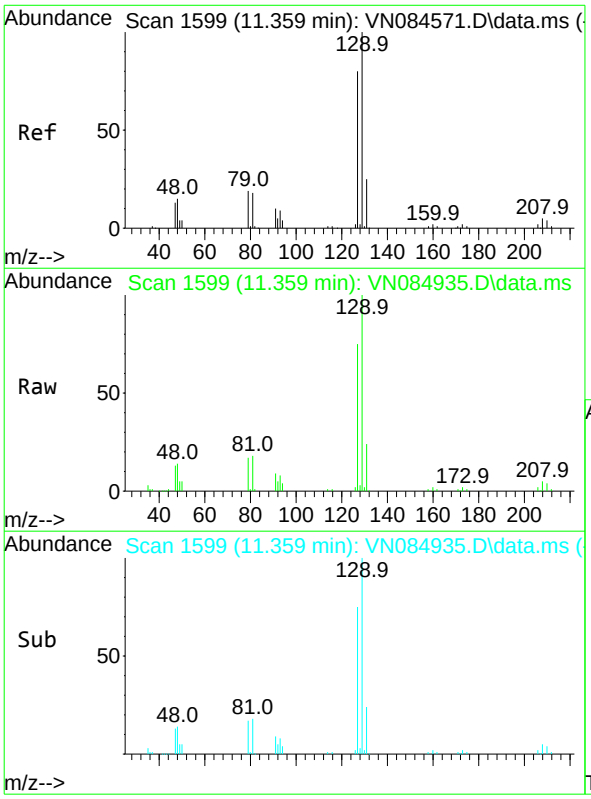
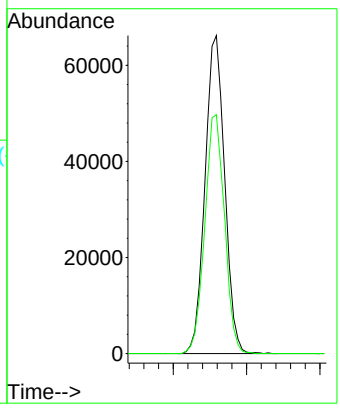
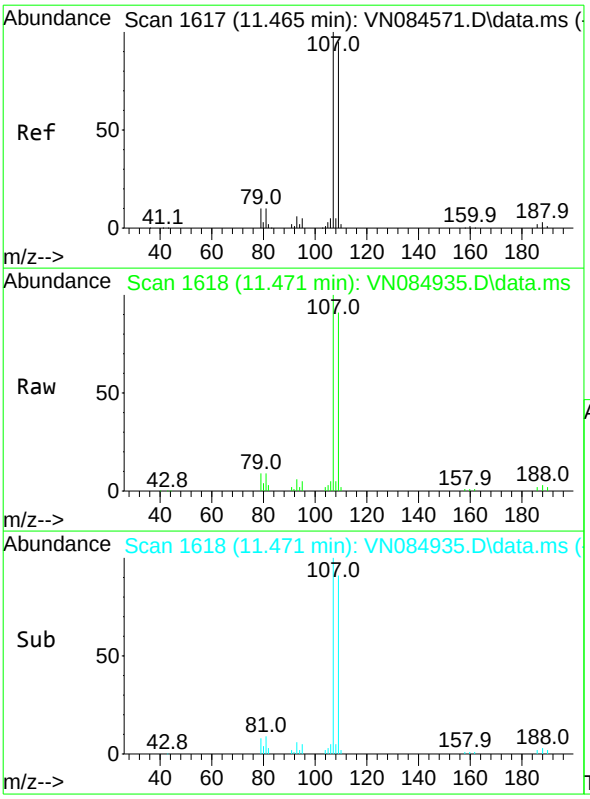


#60
Dibromochloromethane
Concen: 50.776 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:129 Resp: 122913

Ion	Ratio	Lower	Upper
129	100		
127	75.5	38.3	114.9

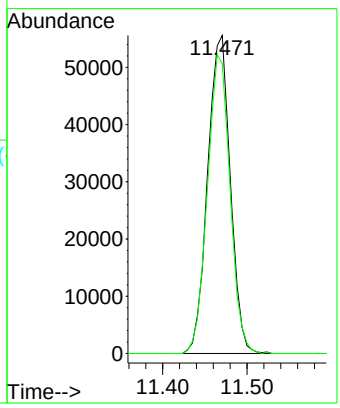




#61
1,2-Dibromoethane
Concen: 47.679 ug/l
RT: 11.471 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:107 Resp: 103704

Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
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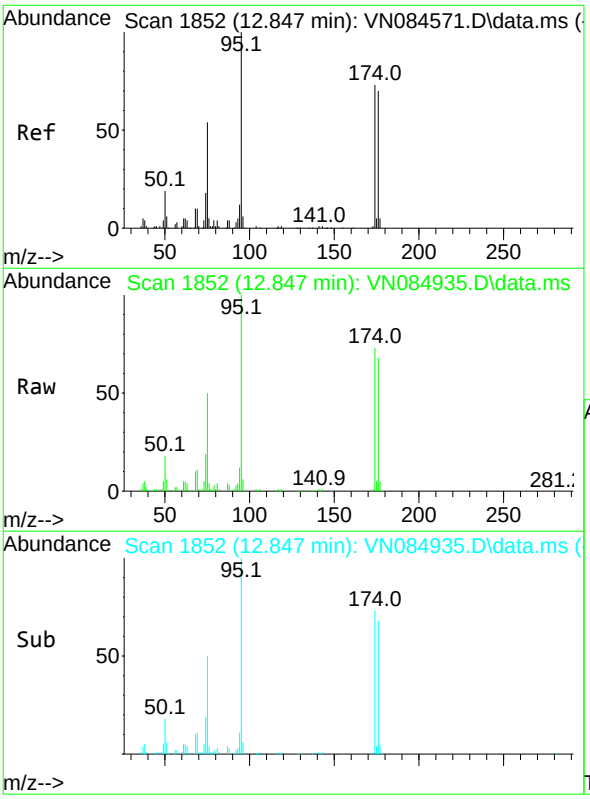
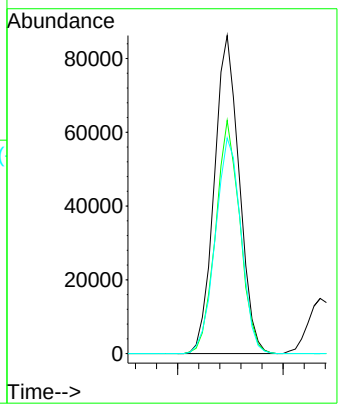
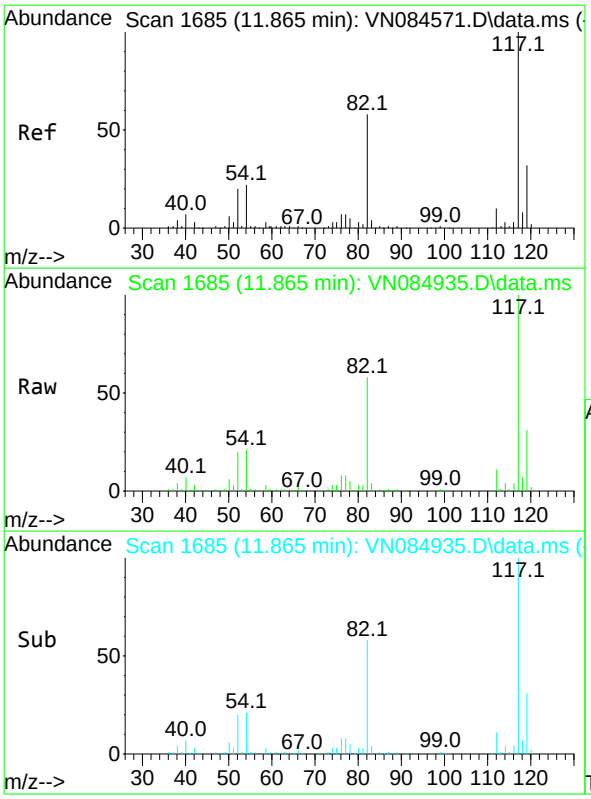


#62
4-Bromofluorobenzene
Concen: 47.609 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 95 Resp: 141878

Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	145.2
176	69.6	0.0	140.0

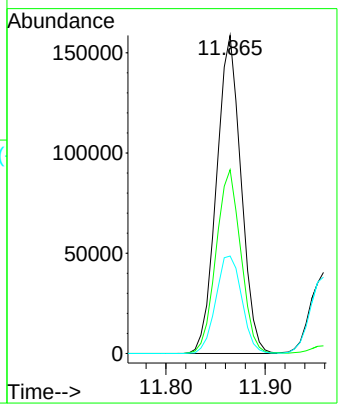




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:117 Resp: 272380

Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.2	70.8
119	30.6	25.4	38.0



Instrument :
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ClientSampleId :
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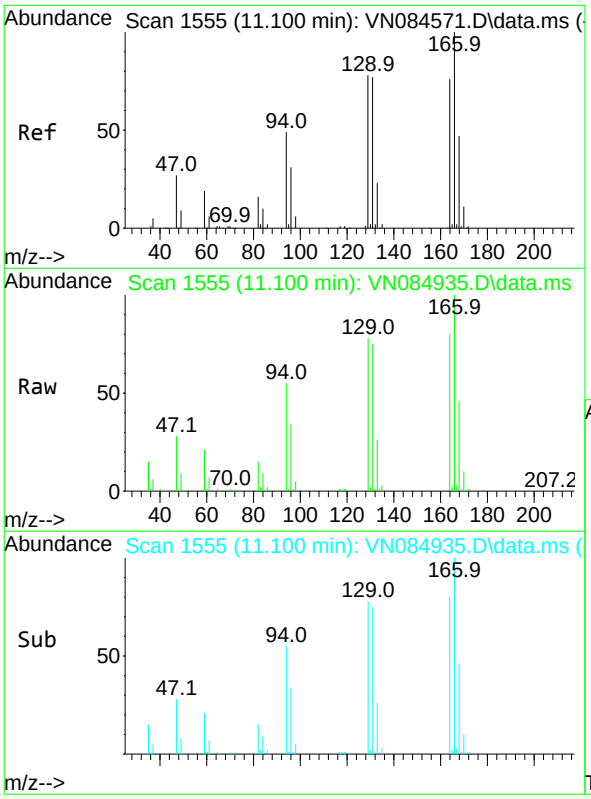
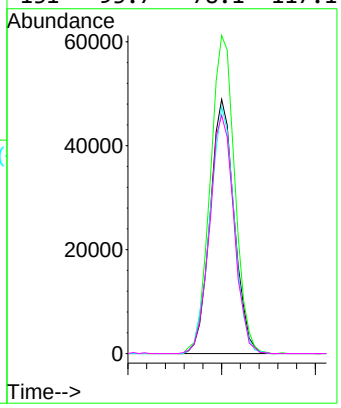
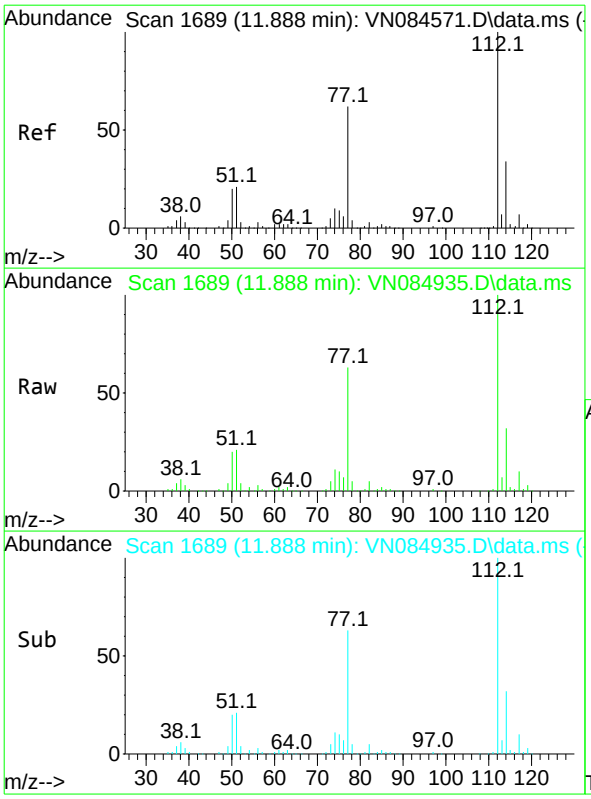


#64
Tetrachloroethene
Concen: 48.094 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:164 Resp: 87135

Ion	Ratio	Lower	Upper
164	100		
166	125.1	101.0	151.4
129	97.0	80.8	121.2
131	93.7	78.1	117.1

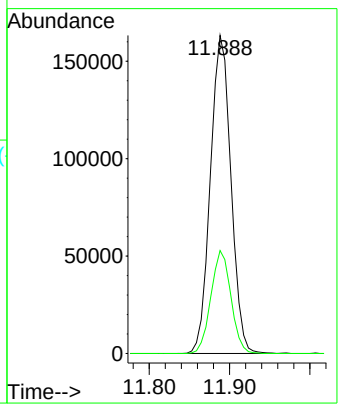




#65
Chlorobenzene
Concen: 47.651 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:112 Resp: 290368

Ion	Ratio	Lower	Upper
112	100		
114	32.4	27.0	40.6



Instrument :
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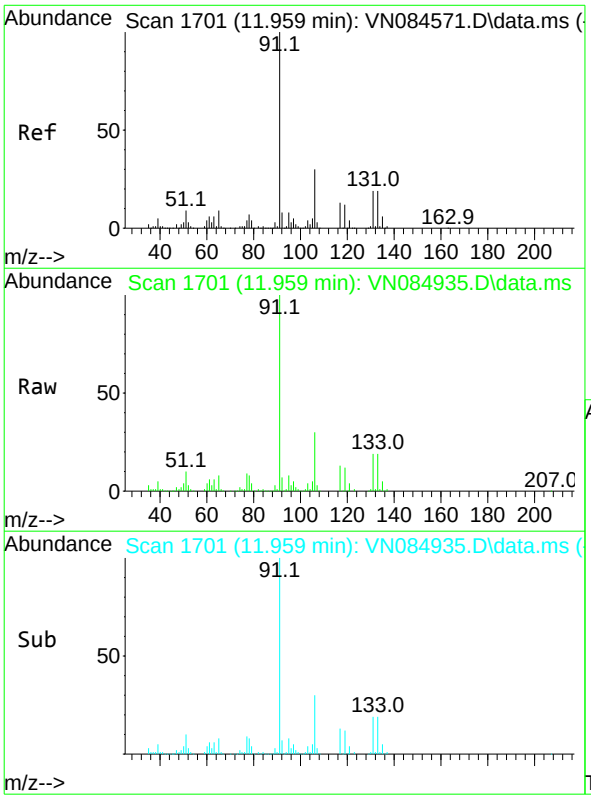
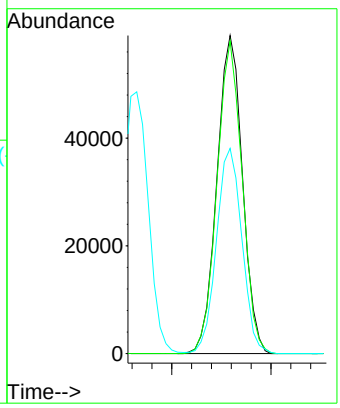
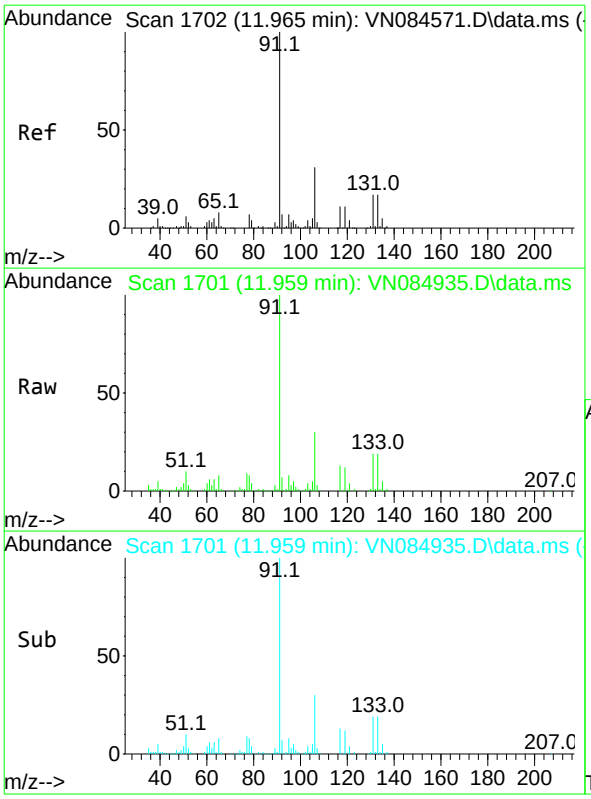


#66
1,1,1,2-Tetrachloroethane
Concen: 49.834 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:131 Resp: 105627

Ion	Ratio	Lower	Upper
131	100		
133	96.5	47.9	143.7
119	64.4	32.8	98.3

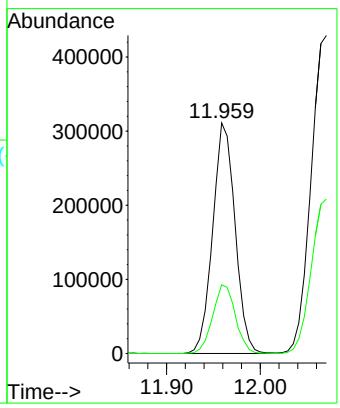




#67
Ethyl Benzene
Concen: 50.793 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 91 Resp: 516649

Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.5	36.7



Instrument :
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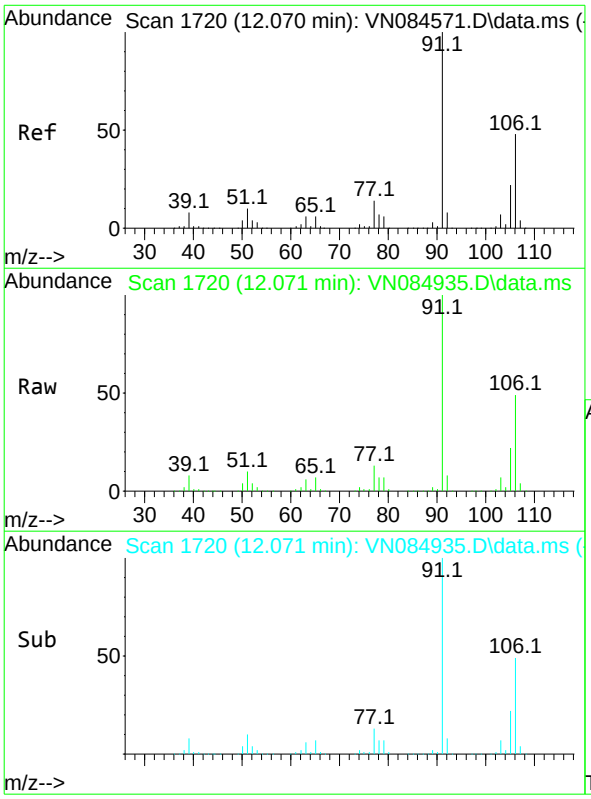
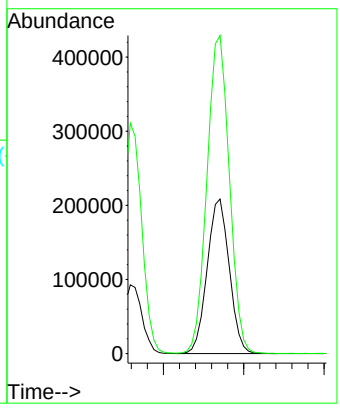
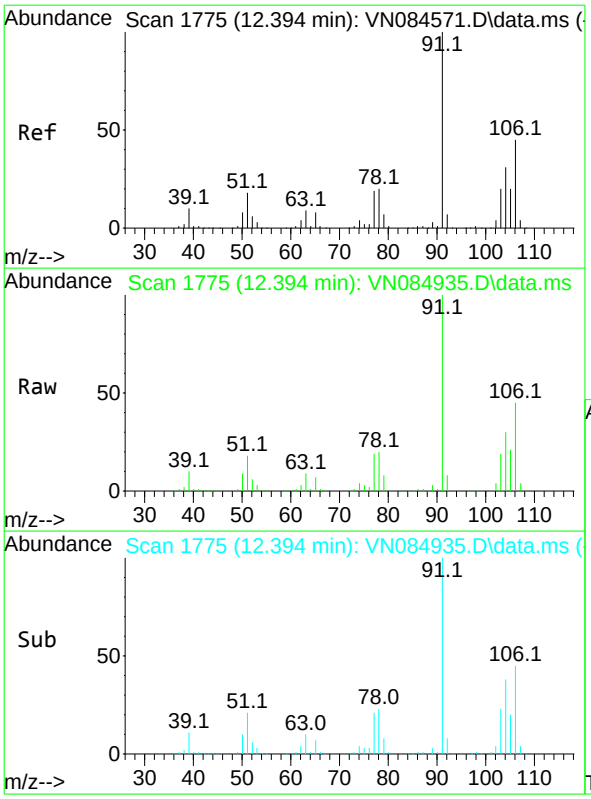


#68
m/p-Xylenes
Concen: 103.542 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:106 Resp: 398723

Ion	Ratio	Lower	Upper
106	100		
91	208.3	167.1	250.7

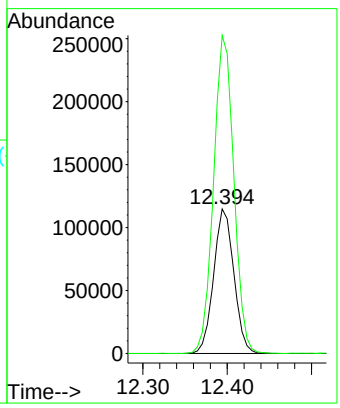




#69
o-Xylene
Concen: 53.139 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:106 Resp: 191427

Ion	Ratio	Lower	Upper
106	100		
91	220.4	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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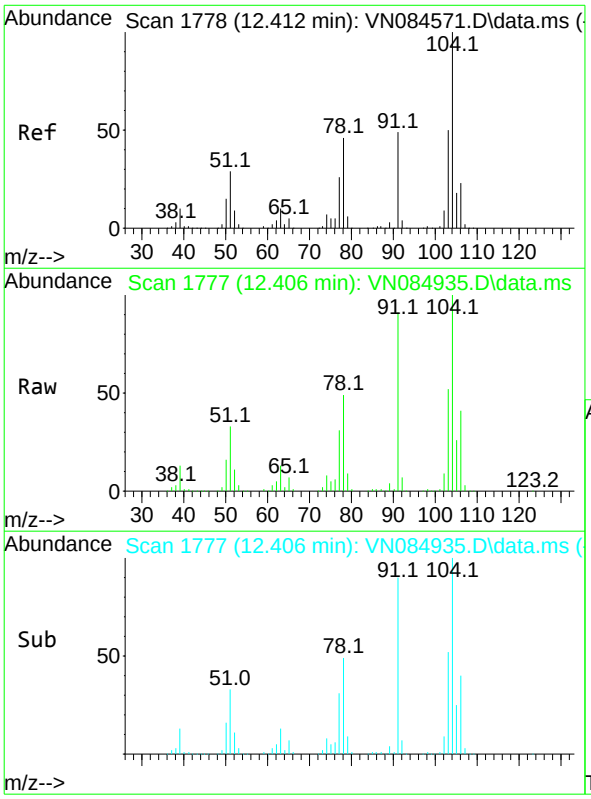
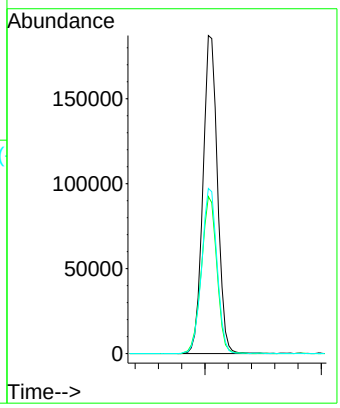
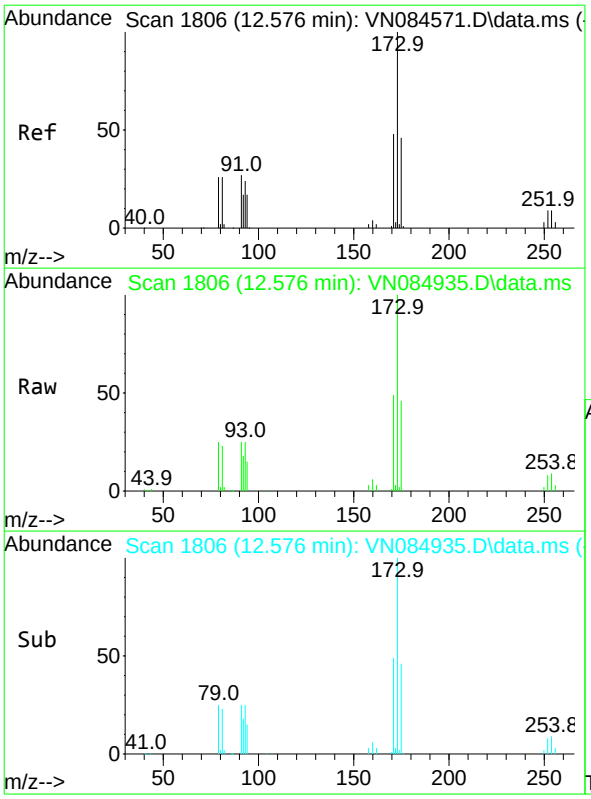


#70
Styrene
Concen: 51.684 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:104 Resp: 324789

Ion	Ratio	Lower	Upper
104	100		
78	52.6	42.7	64.1
103	55.0	43.6	65.4

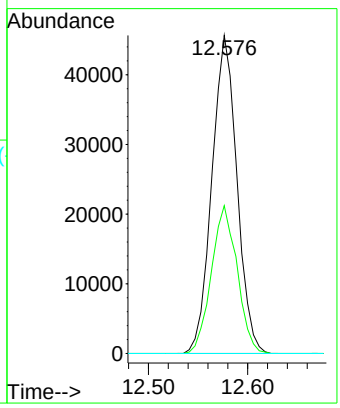




#71
Bromoform
Concen: 50.147 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:173 Resp: 79980

Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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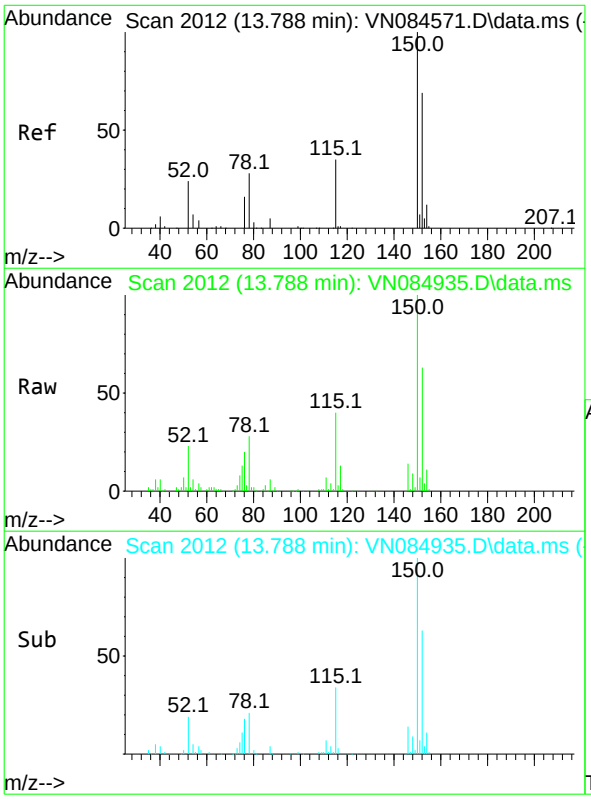
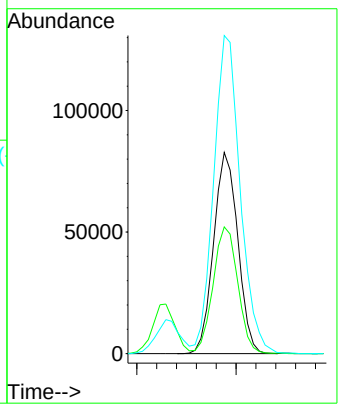
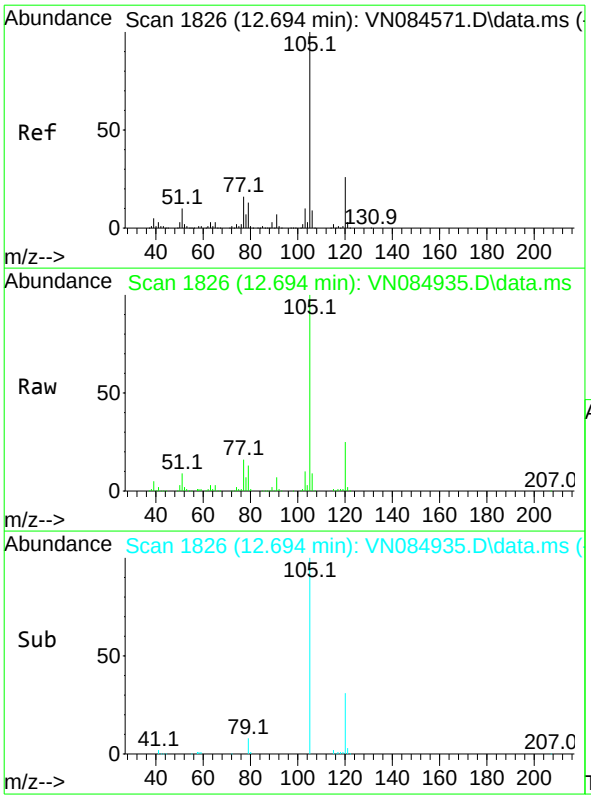


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:152 Resp: 140060

Ion	Ratio	Lower	Upper
152	100		
115	64.4	31.3	93.9
150	173.8	0.0	349.8

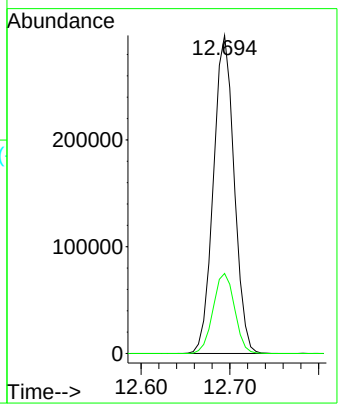




#73
Isopropylbenzene
Concen: 49.323 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:105 Resp: 484105

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.9	38.7



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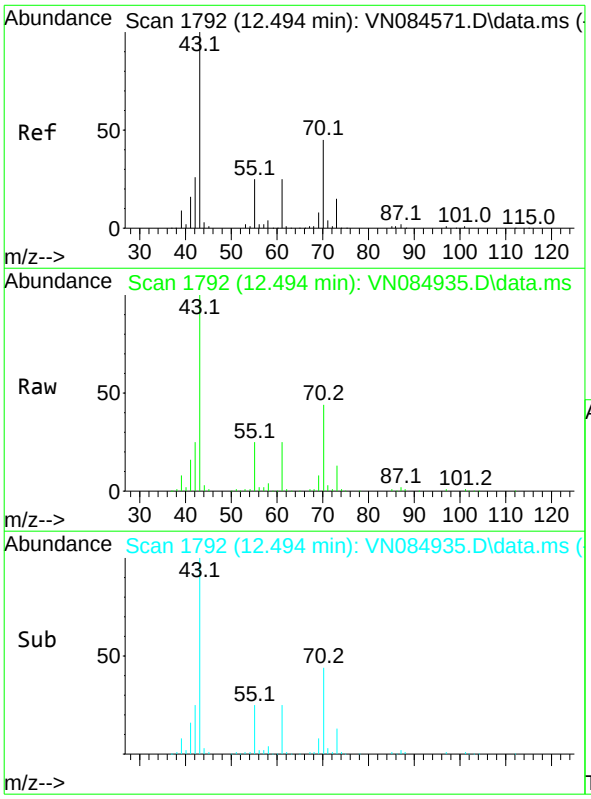
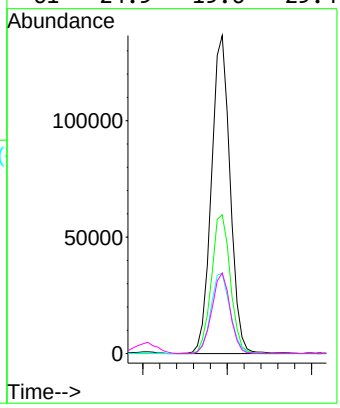
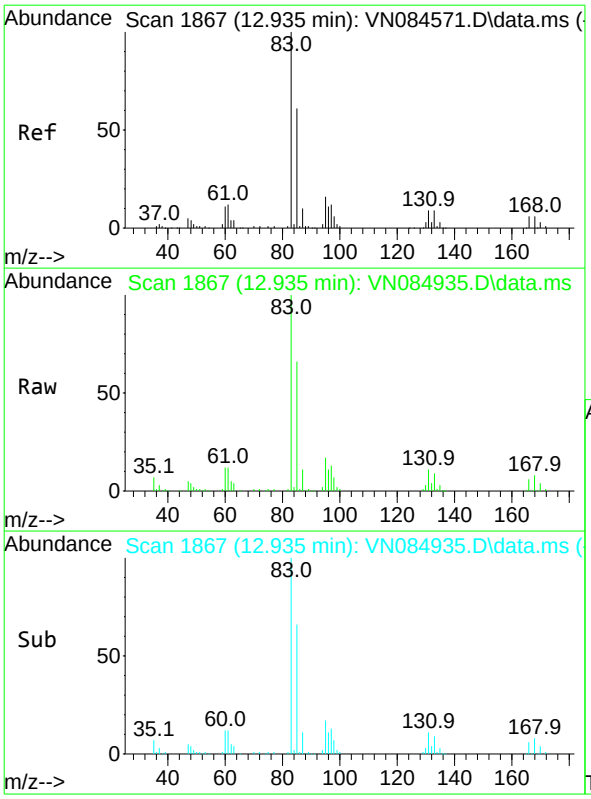


#74
N-amyl acetate
Concen: 50.280 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 43 Resp: 210044

Ion	Ratio	Lower	Upper
43	100		
70	44.2	34.4	51.6
55	26.1	19.6	29.4
61	24.9	19.6	29.4

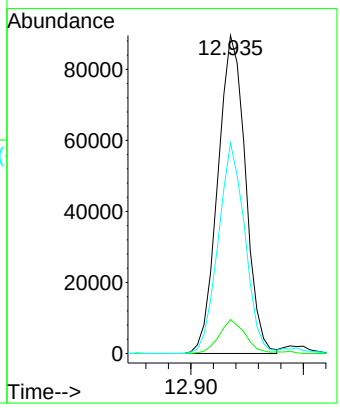




#75
1,1,2,2-Tetrachloroethane
Concen: 46.671 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 83 Resp: 152902

Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.9	14.7
85	64.0	31.9	95.7



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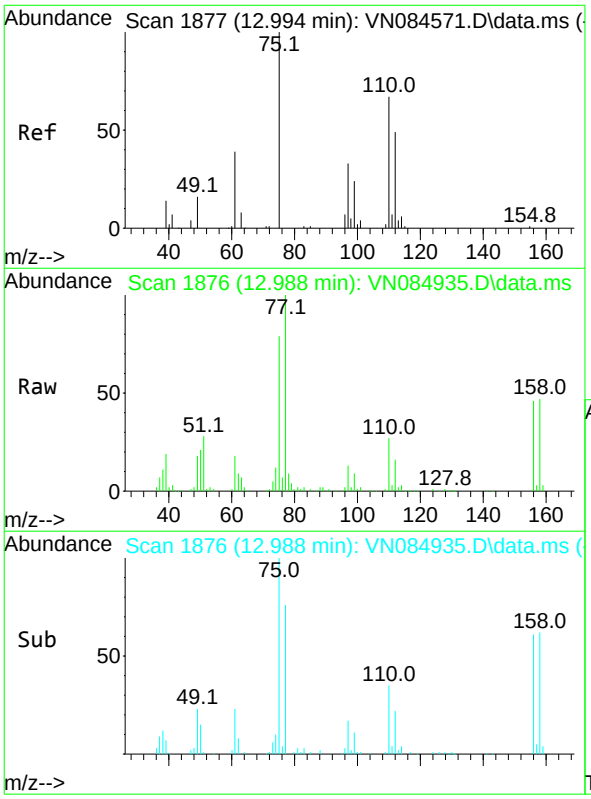
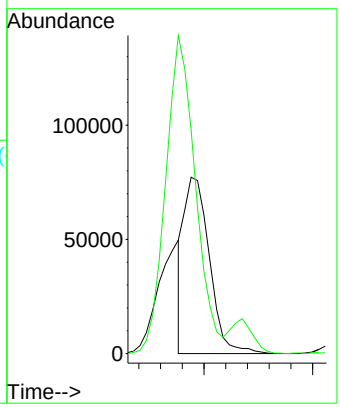
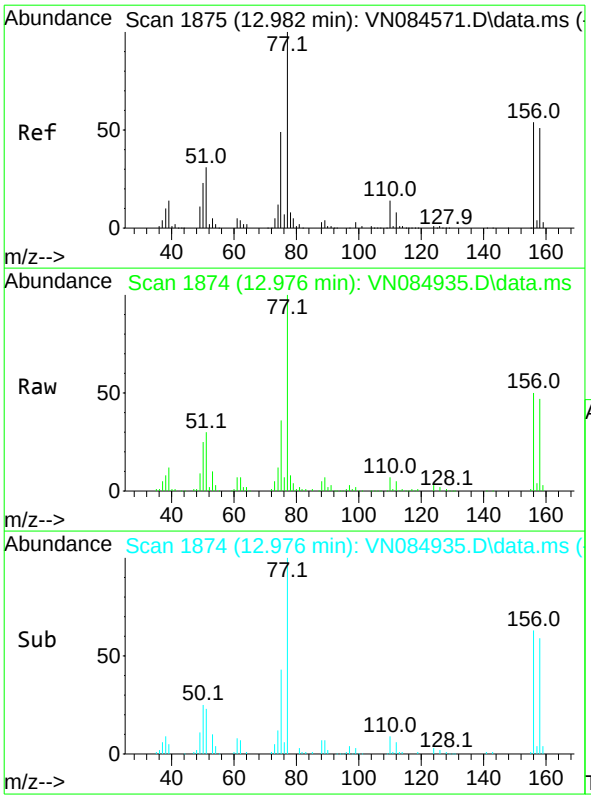


#76
1,2,3-Trichloropropane
Concen: 44.840 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 75 Resp: 125541

Ion	Ratio	Lower	Upper
75	100		
77	211.2	96.9	290.7

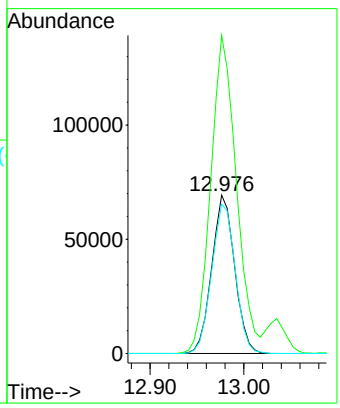




#77
Bromobenzene
Concen: 44.566 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:156 Resp: 117590

Ion	Ratio	Lower	Upper
156	100		
77	225.5	115.1	345.3
158	96.8	48.9	146.8



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ClientSampleId :
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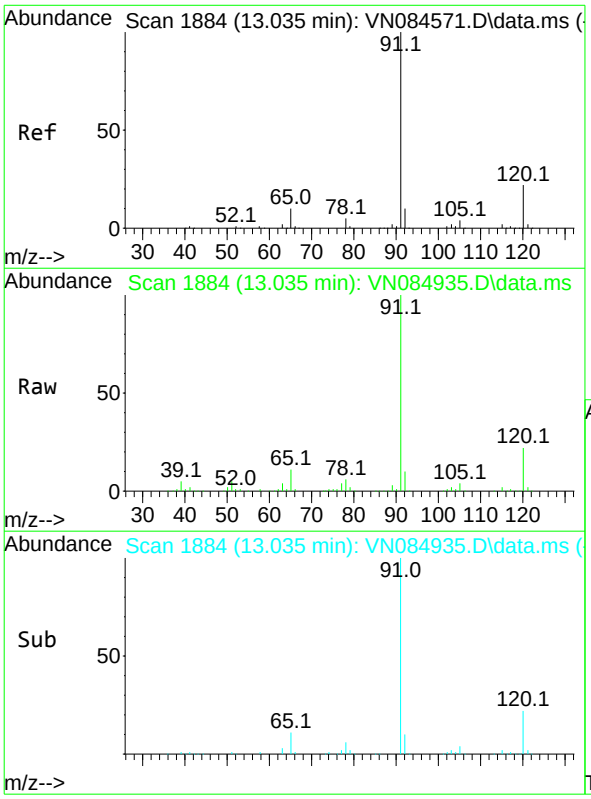
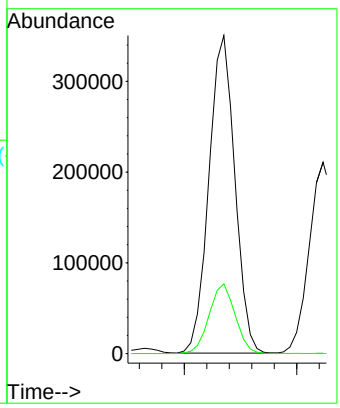
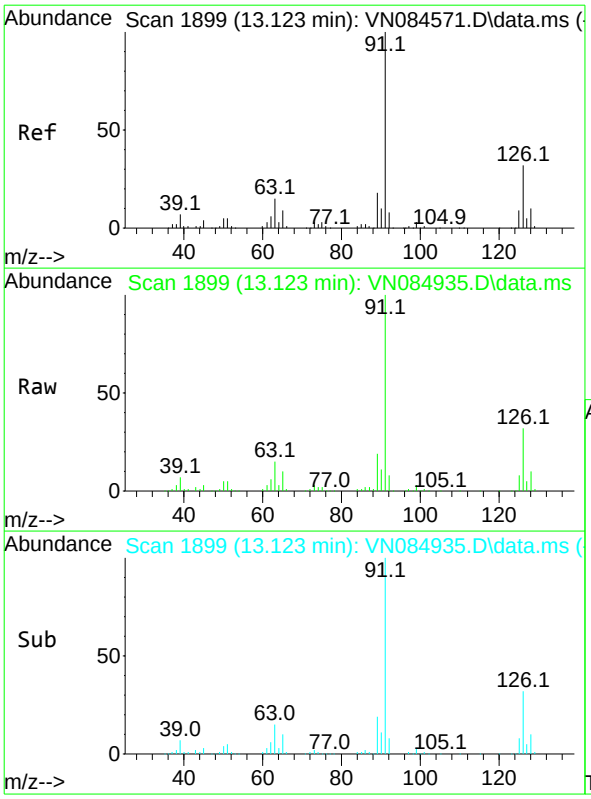


#78
n-propylbenzene
Concen: 48.736 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 91 Resp: 560537

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4

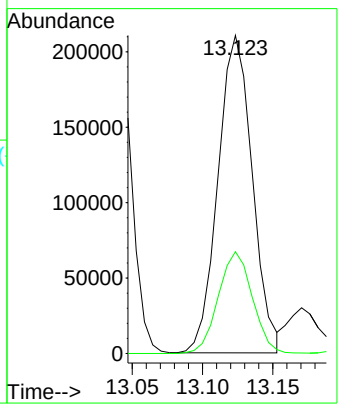




#79
2-Chlorotoluene
Concen: 47.616 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 91 Resp: 357849

Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.7	47.1



Instrument :
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ClientSampleId :
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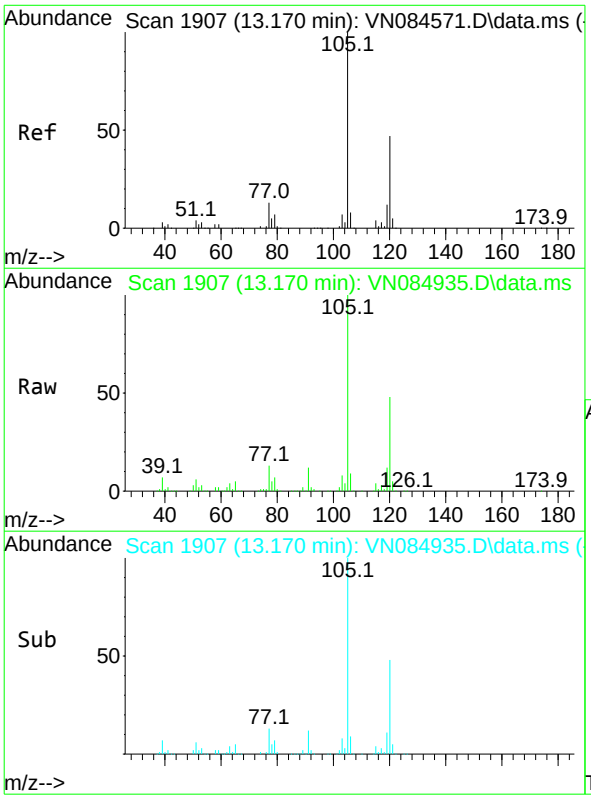
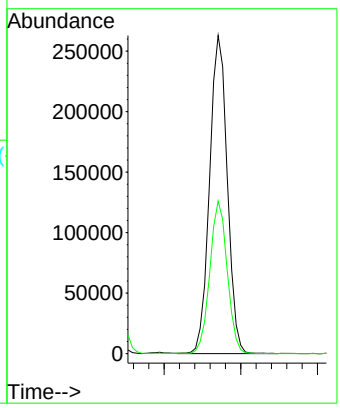
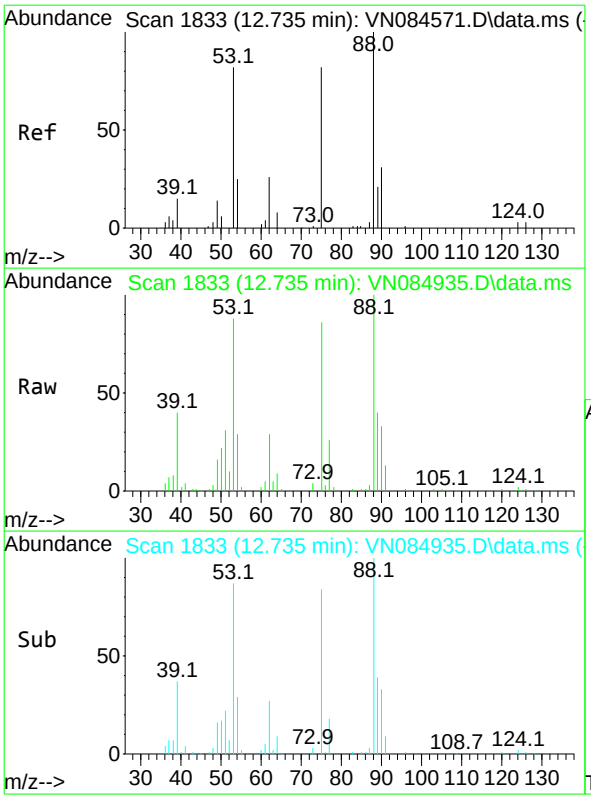


#80
1,3,5-Trimethylbenzene
Concen: 51.812 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:105 Resp: 421482

Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.7	71.1

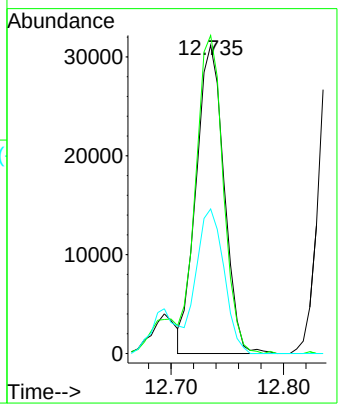




#81
trans-1,4-Dichloro-2-butene
Concen: 45.503 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 75 Resp: 53699

Ion	Ratio	Lower	Upper
75	100		
53	112.7	78.0	117.0
89	45.9	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
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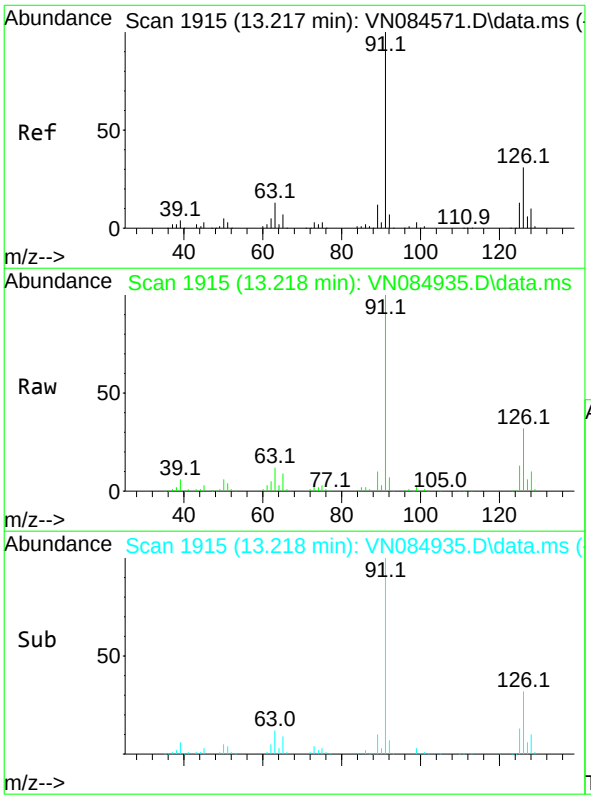
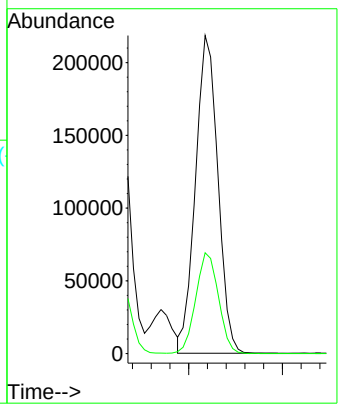
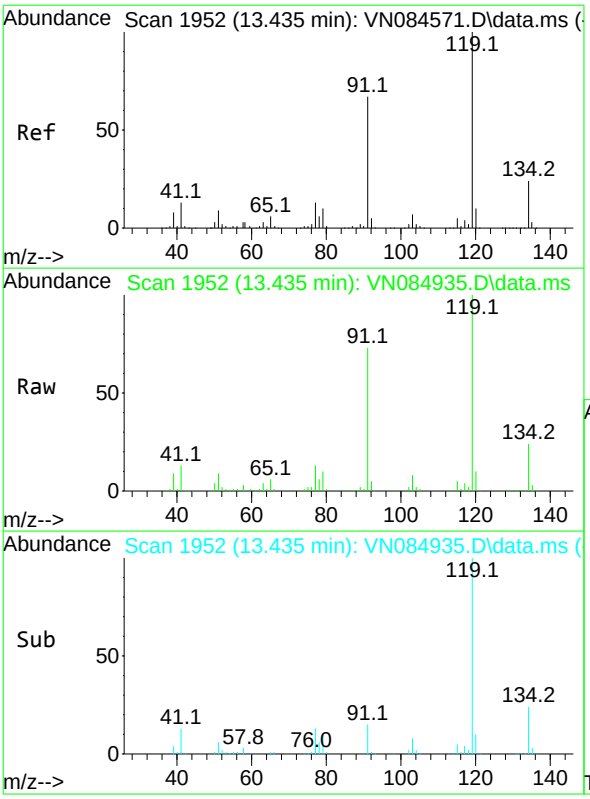


#82
4-Chlorotoluene
Concen: 45.763 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 91 Resp: 361943

Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.7	47.1

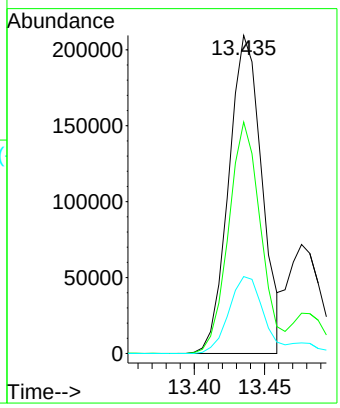




#83
tert-Butylbenzene
Concen: 51.061 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:119 Resp: 343776

Ion	Ratio	Lower	Upper
119	100		
91	71.1	34.1	102.3
134	25.0	12.8	38.4



Instrument :
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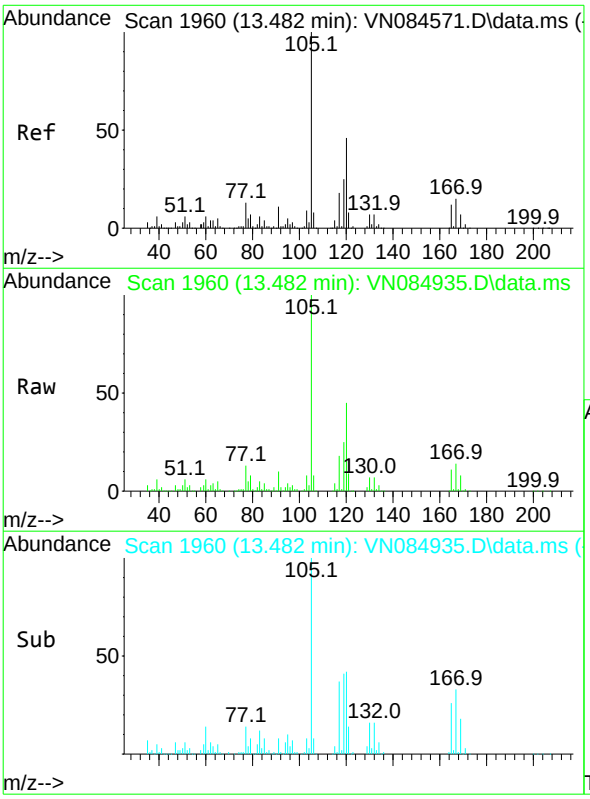
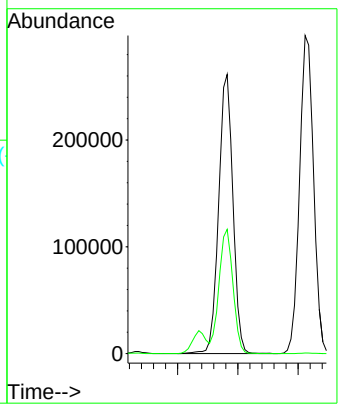
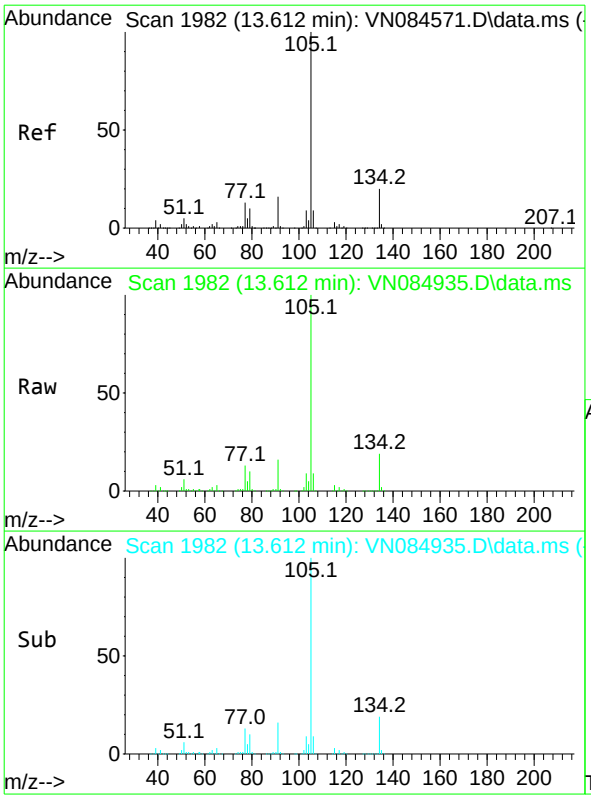


#84
1,2,4-Trimethylbenzene
Concen: 51.069 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:105 Resp: 428779

Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.3	66.8

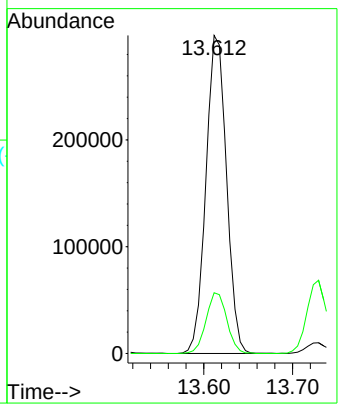




#85
sec-Butylbenzene
Concen: 50.542 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:105 Resp: 480667

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4



Instrument :
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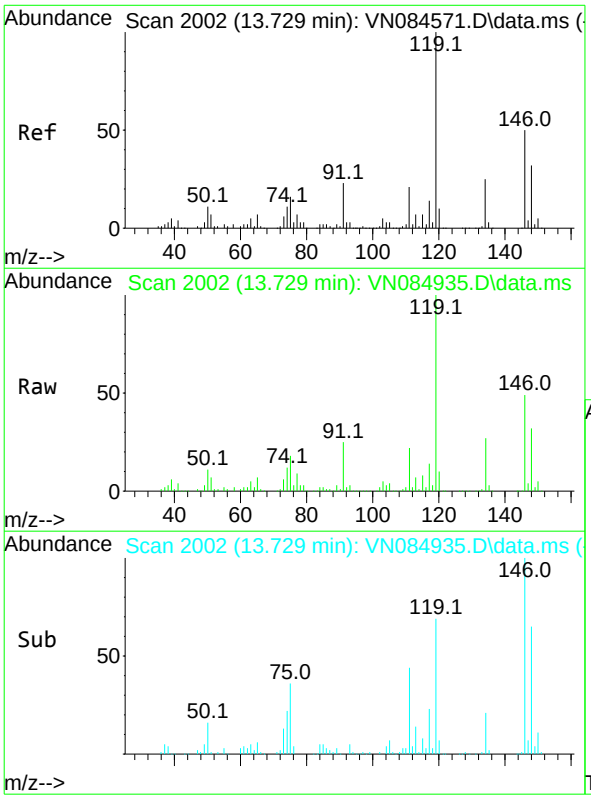
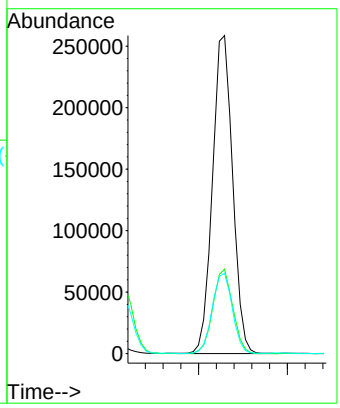
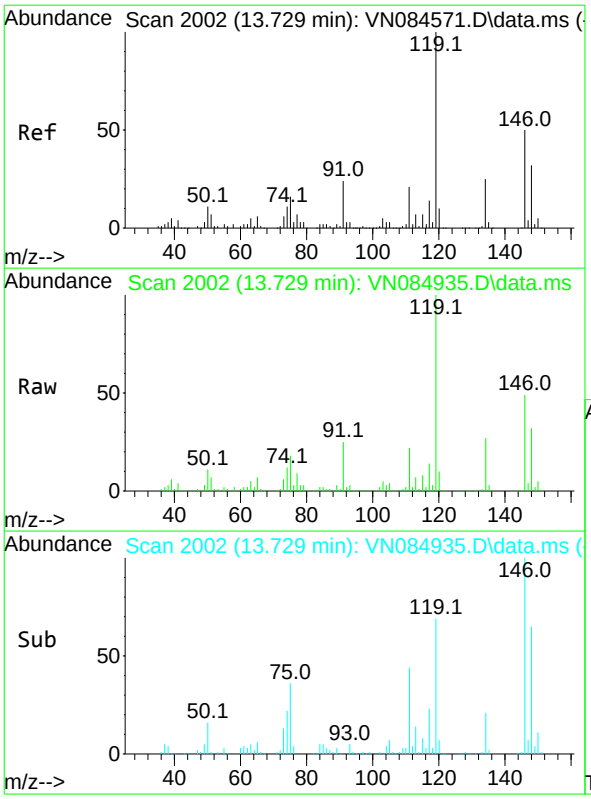


#86
p-Isopropyltoluene
Concen: 52.315 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:119 Resp: 408036

Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.6	37.8
91	25.3	12.4	37.2

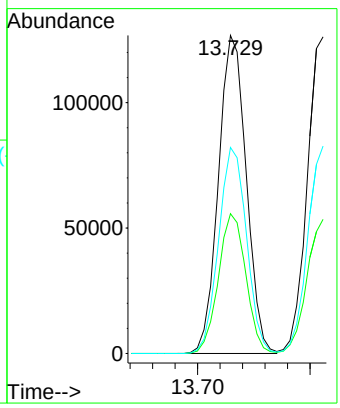




#87
1,3-Dichlorobenzene
Concen: 42.268 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:146 Resp: 217656

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.8	65.3
148	65.2	31.9	95.7



Instrument :
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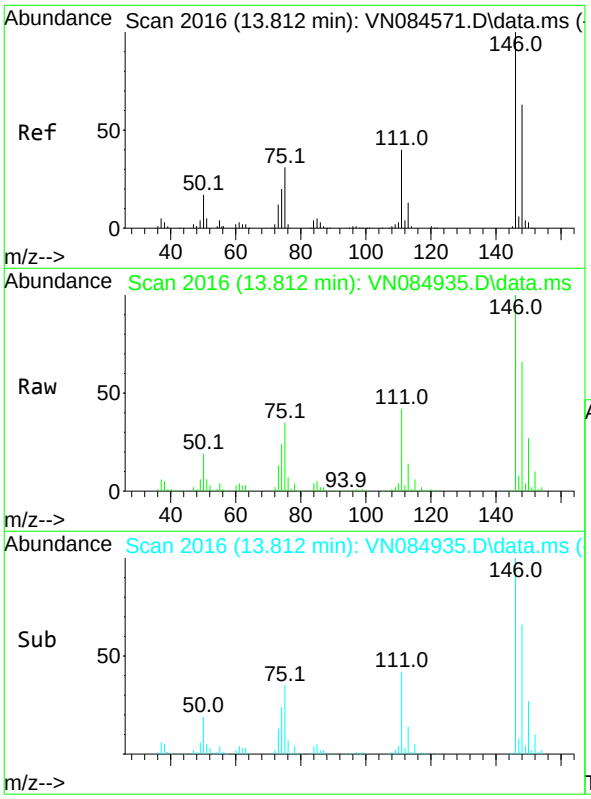
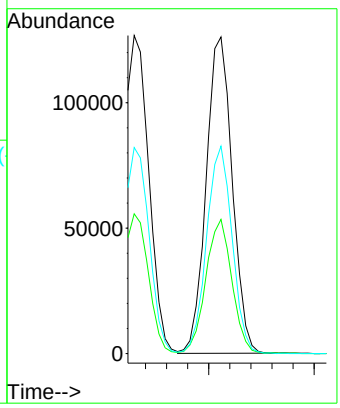
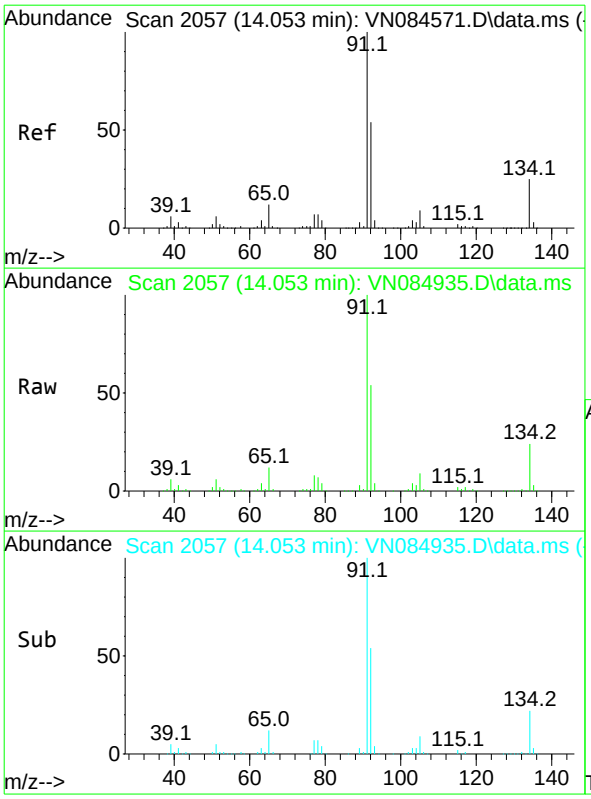


#88
1,4-Dichlorobenzene
Concen: 45.744 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:146 Resp: 216598

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.2	63.6
148	64.3	31.9	95.9





#89
n-Butylbenzene
Concen: 47.108 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 91 Resp: 343697

Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.6	79.7
134	24.8	12.3	36.9

Instrument :
MSVOA_N
ClientSampleId :
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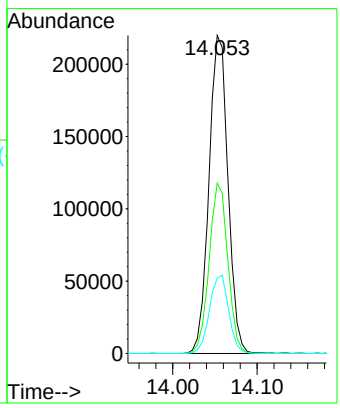
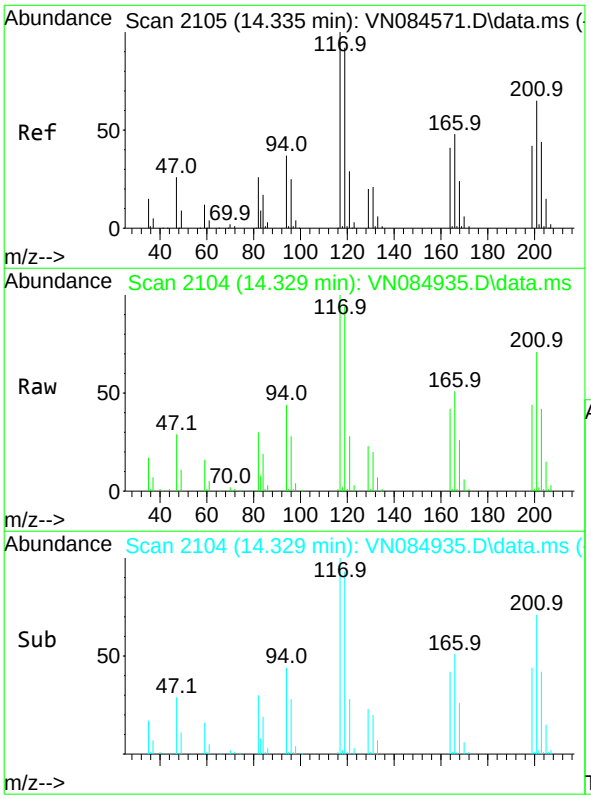
Supervised By :Mahesh Dadoda 11/20/2024

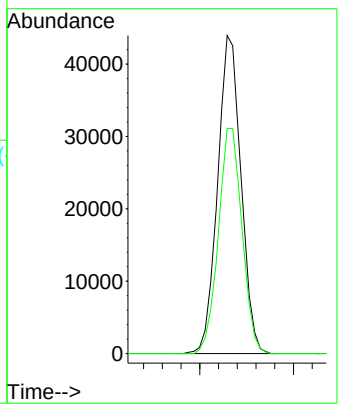


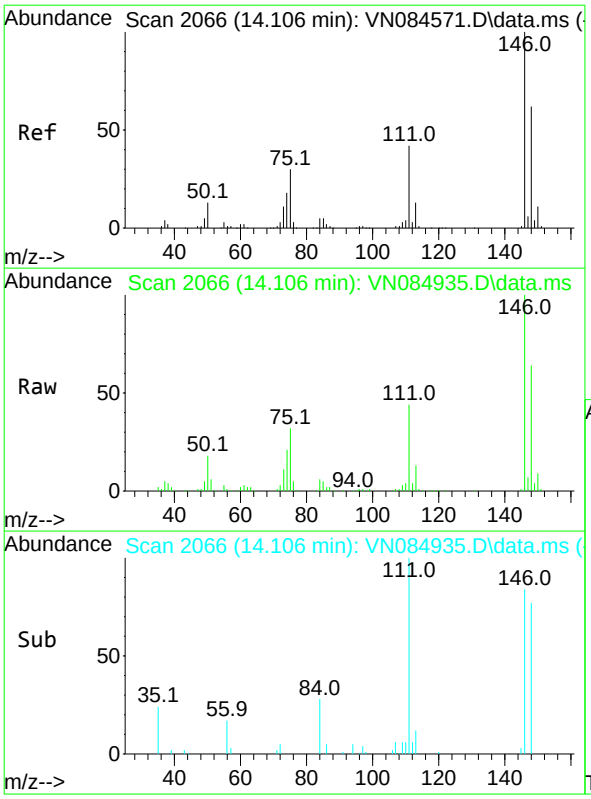


#90
Hexachloroethane
Concen: 43.786 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:117 Resp: 76160

Ion	Ratio	Lower	Upper
117	100		
201	71.7	34.4	103.2

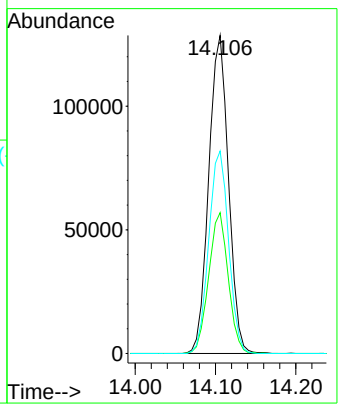




#91
1,2-Dichlorobenzene
Concen: 44.308 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:146 Resp: 219245

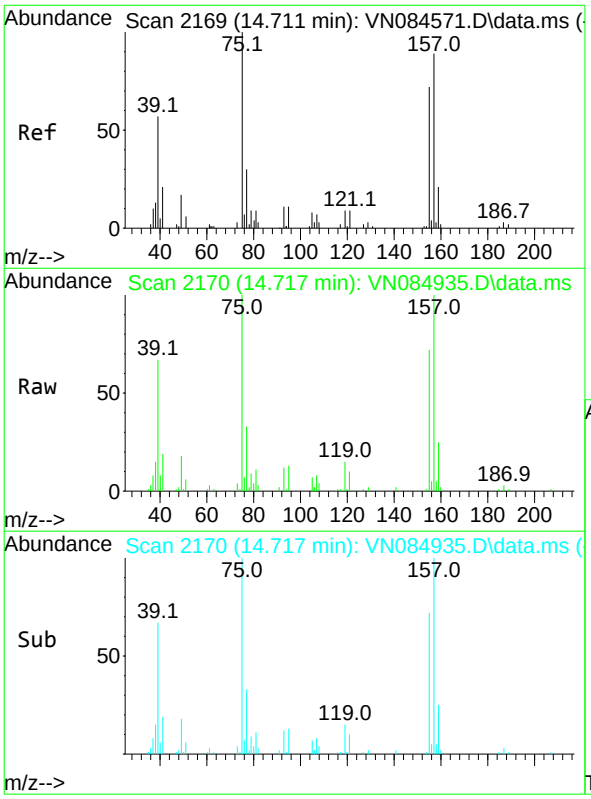
Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.0	66.0
148	64.0	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

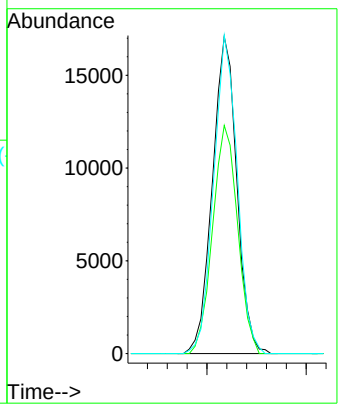
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

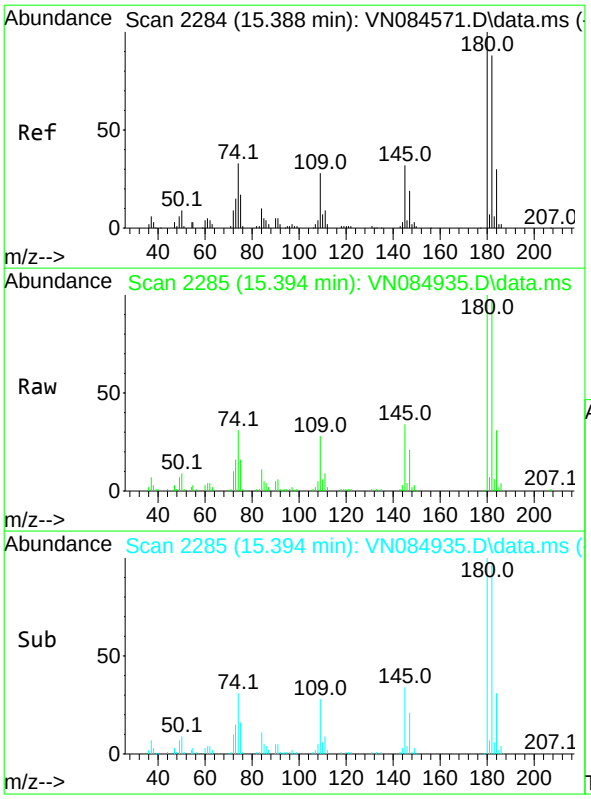


#92
1,2-Dibromo-3-Chloropropane
Concen: 43.984 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 75 Resp: 29192

Ion	Ratio	Lower	Upper
75	100		
155	73.6	38.1	114.5
157	96.9	49.6	149.0

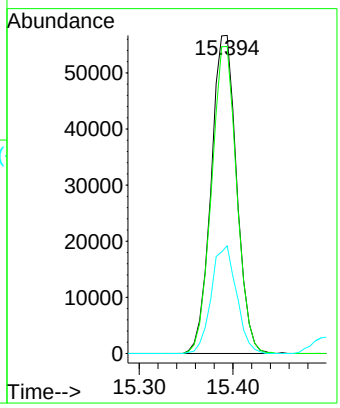




#93
1,2,4-Trichlorobenzene
Concen: 39.531 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:180 Resp: 107065

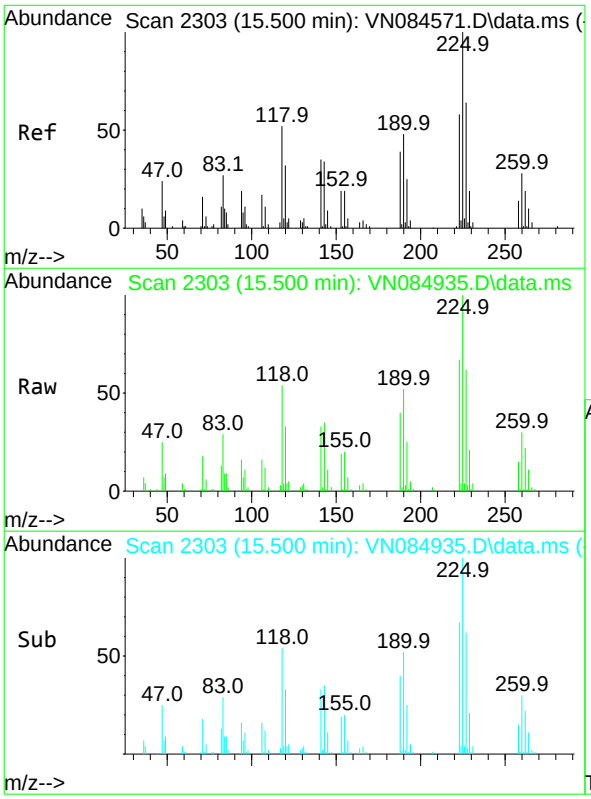
Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.0	141.0
145	33.5	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

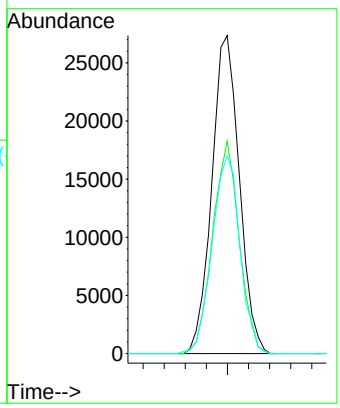
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

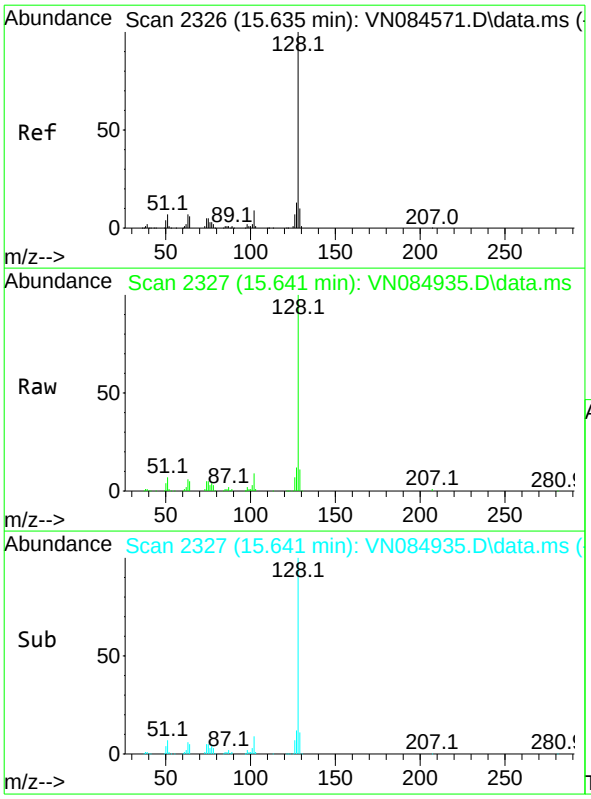


#94
Hexachlorobutadiene
Concen: 41.656 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:225 Resp: 49545

Ion	Ratio	Lower	Upper
225	100		
223	64.4	32.4	97.2
227	62.8	32.4	97.0

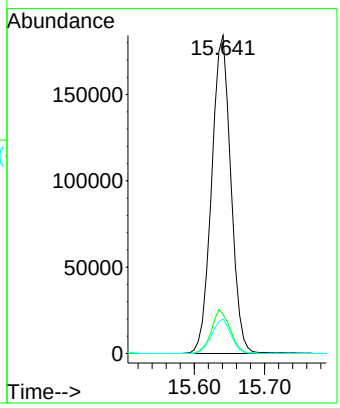




#95
Naphthalene
Concen: 43.227 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:128 Resp: 350435

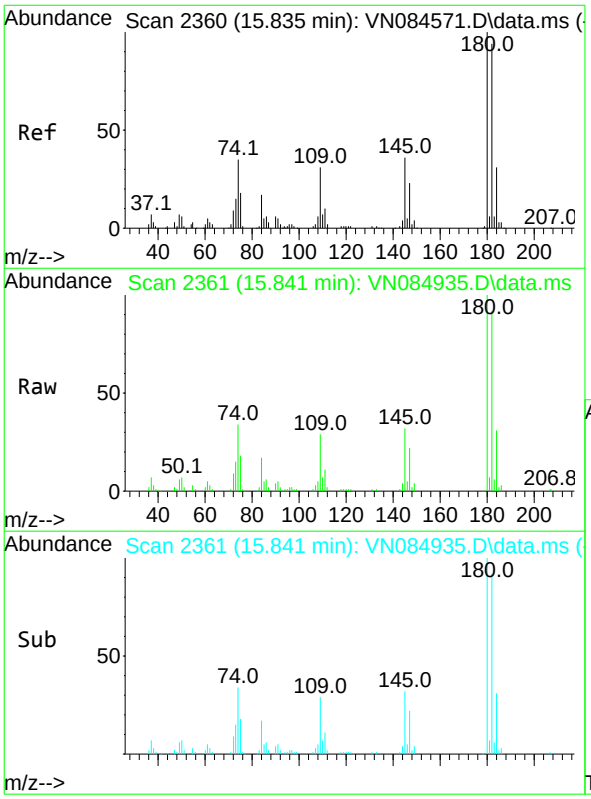
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	10.8	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

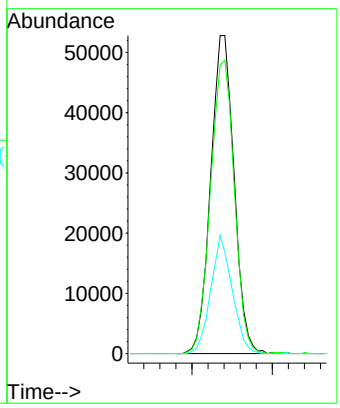
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#96
1,2,3-Trichlorobenzene
Concen: 40.681 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:180 Resp: 106957

Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.2	144.6
145	34.0	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084935.D
Acq On : 19 Nov 2024 09:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 20 00:20:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	102	0.00
2	T	Dichlorodifluoromethane	0.575	0.508	11.7	94	0.00
3	P	Chloromethane	0.952	0.579	39.2#	88	0.00
4	C	Vinyl Chloride	0.618	0.560	9.4#	95	0.00
5	T	Bromomethane	0.328	0.288	12.2	100	-0.05
6	T	Chloroethane	0.488	0.370	24.2	101	-0.04
7	T	Trichlorofluoromethane	1.018	0.954	6.3	102	-0.02
8	T	Diethyl Ether	0.359	0.345	3.9	100	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.575	0.551	4.2	101	-0.01
10	T	Methyl Iodide	0.769	0.744	3.3	104	-0.02
11	T	Tert butyl alcohol	0.095	0.092	3.2	109	0.01
12	CM	1,1-Dichloroethene	0.569	0.508	10.7#	97	-0.01
13	T	Acrolein	0.095	0.104	-9.5	121	0.00
14	T	Allyl chloride	0.923	0.846	8.3	95	-0.01
15	T	Acrylonitrile	0.276	0.272	1.4	103	0.00
16	T	Acetone	0.238	0.237	0.4	119	0.00
17	T	Carbon Disulfide	1.753	1.360	22.4	87	-0.01
18	T	Methyl Acetate	1.172	0.697	40.5#	95	0.00
19	T	Methyl tert-butyl Ether	1.745	1.803	-3.3	105	0.00
20	T	Methylene Chloride	0.635	0.586	7.7	100	-0.01
21	T	trans-1,2-Dichloroethene	0.585	0.535	8.5	97	-0.01
22	T	Diisopropyl ether	1.835	1.845	-0.5	102	0.00
23	T	Vinyl Acetate	1.265	1.314	-3.9	104	0.00
24	P	1,1-Dichloroethane	1.102	1.055	4.3	101	-0.01
25	T	2-Butanone	0.337	0.360	-6.8	117	0.00
26	T	2,2-Dichloropropane	0.959	0.956	0.3	104	0.00
27	T	cis-1,2-Dichloroethene	0.683	0.655	4.1	101	0.00
28	T	Bromochloromethane	0.439	0.497	-13.2	100	0.00
29	T	Tetrahydrofuran	0.224	0.228	-1.8	105	0.00
30	C	Chloroform	1.121	1.094	2.4#	103	0.00
31	T	Cyclohexane	0.997	0.899	9.8	98	0.00
32	T	1,1,1-Trichloroethane	1.021	0.993	2.7	103	0.00
33	S	1,2-Dichloroethane-d4	0.722	0.672	6.9	95	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	103	0.00
35	S	Dibromofluoromethane	0.338	0.314	7.1	94	0.00
36	T	1,1-Dichloropropene	0.469	0.441	6.0	100	0.00
37	T	Ethyl Acetate	0.426	0.427	-0.2	104	0.00
38	T	Carbon Tetrachloride	0.525	0.510	2.9	102	0.00
39	T	Methylcyclohexane	0.478	0.490	-2.5	99	0.00
40	TM	Benzene	1.507	1.411	6.4	100	0.00
41	T	Methacrylonitrile	0.229	0.242	-5.7	101	0.00
42	TM	1,2-Dichloroethane	0.488	0.486	0.4	101	0.00
43	T	Isopropyl Acetate	0.927	0.786	15.2	107	0.00
44	TM	Trichloroethene	0.348	0.317	8.9	97	0.00
45	C	1,2-Dichloropropane	0.354	0.351	0.8#	104	0.00
46	T	Dibromomethane	0.250	0.243	2.8	102	0.00
47	T	Bromodichloromethane	0.526	0.518	1.5	102	0.00
48	T	Methyl methacrylate	0.331	0.341	-3.0	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084935.D
Acq On : 19 Nov 2024 09:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 20 00:20:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.006	0.0	96	0.00
50	S	Toluene-d8	1.247	1.131	9.3	89	0.00
51	T	4-Methyl-2-Pentanone	0.406	0.435	-7.1	106	0.00
52	CM	Toluene	0.882	0.867	1.7#	99	0.00
53	T	t-1,3-Dichloropropene	0.544	0.509	6.4	96	0.00
54	T	cis-1,3-Dichloropropene	0.576	0.566	1.7	100	0.00
55	T	1,1,2-Trichloroethane	0.332	0.328	1.2	102	0.00
56	T	Ethyl methacrylate	0.480	0.526	-9.6	100	0.00
57	T	1,3-Dichloropropane	0.570	0.561	1.6	102	0.00
58	T	2-Chloroethyl Vinyl ether	0.225	0.251	-11.6	99	0.00
59	T	2-Hexanone	0.296	0.326	-10.1	107	0.00
60	T	Dibromochloromethane	0.378	0.384	-1.6	100	0.00
61	T	1,2-Dibromoethane	0.340	0.324	4.7	100	0.00
62	S	4-Bromofluorobenzene	0.466	0.444	4.7	92	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
64	T	Tetrachloroethene	0.333	0.320	3.9	100	0.00
65	PM	Chlorobenzene	1.119	1.066	4.7	98	0.00
66	T	1,1,1,2-Tetrachloroethane	0.389	0.388	0.3	101	0.00
67	C	Ethyl Benzene	1.867	1.897	-1.6#	98	0.00
68	T	m/p-Xylenes	0.707	0.732	-3.5	98	0.00
69	T	o-Xylene	0.661	0.703	-6.4	99	0.00
70	T	Styrene	1.154	1.192	-3.3	96	0.00
71	P	Bromoform	0.293	0.294	-0.3	97	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
73	T	Isopropylbenzene	3.504	3.456	1.4	98	0.00
74	T	N-amyl acetate	1.491	1.500	-0.6	99	0.00
75	P	1,1,2,2-Tetrachloroethane	1.170	1.092	6.7	103	0.00
76	T	1,2,3-Trichloropropane	0.999	0.896	10.3	102	0.00
77	T	Bromobenzene	0.942	0.840	10.8	96	0.00
78	T	n-propylbenzene	4.106	4.002	2.5	96	0.00
79	T	2-Chlorotoluene	2.683	2.555	4.8	99	0.00
80	T	1,3,5-Trimethylbenzene	2.904	3.009	-3.6	99	0.00
81	T	trans-1,4-Dichloro-2-butene	0.421	0.383	9.0	97	0.00
82	T	4-Chlorotoluene	2.823	2.584	8.5	96	0.00
83	T	tert-Butylbenzene	2.403	2.454	-2.1	98	0.00
84	T	1,2,4-Trimethylbenzene	2.997	3.061	-2.1	98	0.00
85	T	sec-Butylbenzene	3.395	3.432	-1.1	98	0.00
86	T	p-Isopropyltoluene	2.784	2.913	-4.6	97	0.00
87	T	1,3-Dichlorobenzene	1.838	1.554	15.5	94	0.00
88	T	1,4-Dichlorobenzene	1.937	1.546	20.2	94	0.00
89	T	n-Butylbenzene	2.605	2.454	5.8	95	0.00
90	T	Hexachloroethane	0.621	0.544	12.4	93	0.00
91	T	1,2-Dichlorobenzene	1.766	1.565	11.4	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.208	12.2	97	0.00
93	T	1,2,4-Trichlorobenzene	0.967	0.764	21.0	90	0.00
94	T	Hexachlorobutadiene	0.425	0.354	16.7	97	0.00
95	T	Naphthalene	2.894	2.502	13.5	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084935.D
Acq On : 19 Nov 2024 09:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 20 00:20:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.939	0.764	18.6	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084935.D
Acq On : 19 Nov 2024 09:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 20 00:20:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	102	0.00
2	T	Dichlorodifluoromethane	50.000	44.150	11.7	94	0.00
3	P	Chloromethane	50.000	42.522	15.0	88	0.00
4	C	Vinyl Chloride	50.000	45.283	9.4#	95	0.00
5	T	Bromomethane	50.000	44.003	12.0	100	-0.05
6	T	Chloroethane	50.000	48.294	3.4	101	-0.04
7	T	Trichlorofluoromethane	50.000	46.846	6.3	102	-0.02
8	T	Diethyl Ether	50.000	48.018	4.0	100	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.867	4.3	101	-0.01
10	T	Methyl Iodide	50.000	48.358	3.3	104	-0.02
11	T	Tert butyl alcohol	250.000	240.025	4.0	109	0.01
12	CM	1,1-Dichloroethene	50.000	44.604	10.8#	97	-0.01
13	T	Acrolein	250.000	272.913	-9.2	121	0.00
14	T	Allyl chloride	50.000	45.828	8.3	95	-0.01
15	T	Acrylonitrile	250.000	246.673	1.3	103	0.00
16	T	Acetone	250.000	284.903	-14.0	119	0.00
17	T	Carbon Disulfide	50.000	38.771	22.5	87	-0.01
18	T	Methyl Acetate	50.000	45.365	9.3	95	0.00
19	T	Methyl tert-butyl Ether	50.000	51.644	-3.3	105	0.00
20	T	Methylene Chloride	50.000	46.103	7.8	100	-0.01
21	T	trans-1,2-Dichloroethene	50.000	45.743	8.5	97	-0.01
22	T	Diisopropyl ether	50.000	50.286	-0.6	102	0.00
23	T	Vinyl Acetate	250.000	259.595	-3.8	104	0.00
24	P	1,1-Dichloroethane	50.000	47.872	4.3	101	-0.01
25	T	2-Butanone	250.000	267.147	-6.9	117	0.00
26	T	2,2-Dichloropropane	50.000	49.847	0.3	104	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.994	4.0	101	0.00
28	T	Bromochloromethane	50.000	56.639	-13.3	100	0.00
29	T	Tetrahydrofuran	250.000	255.360	-2.1	105	0.00
30	C	Chloroform	50.000	48.799	2.4#	103	0.00
31	T	Cyclohexane	50.000	45.071	9.9	98	0.00
32	T	1,1,1-Trichloroethane	50.000	48.647	2.7	103	0.00
33	S	1,2-Dichloroethane-d4	50.000	46.504	7.0	95	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	103	0.00
35	S	Dibromofluoromethane	50.000	46.334	7.3	94	0.00
36	T	1,1-Dichloropropene	50.000	46.967	6.1	100	0.00
37	T	Ethyl Acetate	50.000	50.101	-0.2	104	0.00
38	T	Carbon Tetrachloride	50.000	48.570	2.9	102	0.00
39	T	Methylcyclohexane	50.000	51.303	-2.6	99	0.00
40	TM	Benzene	50.000	46.788	6.4	100	0.00
41	T	Methacrylonitrile	50.000	52.820	-5.6	101	0.00
42	TM	1,2-Dichloroethane	50.000	49.771	0.5	101	0.00
43	T	Isopropyl Acetate	50.000	49.952	0.1	107	0.00
44	TM	Trichloroethene	50.000	45.632	8.7	97	0.00
45	C	1,2-Dichloropropane	50.000	49.656	0.7#	104	0.00
46	T	Dibromomethane	50.000	48.708	2.6	102	0.00
47	T	Bromodichloromethane	50.000	49.250	1.5	102	0.00
48	T	Methyl methacrylate	50.000	51.400	-2.8	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084935.D
Acq On : 19 Nov 2024 09:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 20 00:20:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	962.235	3.8	96	0.00
50	S	Toluene-d8	50.000	45.374	9.3	89	0.00
51	T	4-Methyl-2-Pentanone	250.000	267.698	-7.1	106	0.00
52	CM	Toluene	50.000	49.188	1.6#	99	0.00
53	T	t-1,3-Dichloropropene	50.000	46.744	6.5	96	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.151	1.7	100	0.00
55	T	1,1,2-Trichloroethane	50.000	49.408	1.2	102	0.00
56	T	Ethyl methacrylate	50.000	54.801	-9.6	100	0.00
57	T	1,3-Dichloropropane	50.000	49.230	1.5	102	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	279.659	-11.9	99	0.00
59	T	2-Hexanone	250.000	275.870	-10.3	107	0.00
60	T	Dibromochloromethane	50.000	50.776	-1.6	100	0.00
61	T	1,2-Dibromoethane	50.000	47.679	4.6	100	0.00
62	S	4-Bromofluorobenzene	50.000	47.609	4.8	92	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	98	0.00
64	T	Tetrachloroethene	50.000	48.094	3.8	100	0.00
65	PM	Chlorobenzene	50.000	47.651	4.7	98	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.834	0.3	101	0.00
67	C	Ethyl Benzene	50.000	50.793	-1.6#	98	0.00
68	T	m/p-Xylenes	100.000	103.542	-3.5	98	0.00
69	T	o-Xylene	50.000	53.139	-6.3	99	0.00
70	T	Styrene	50.000	51.684	-3.4	96	0.00
71	P	Bromoform	50.000	50.147	-0.3	97	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	101	0.00
73	T	Isopropylbenzene	50.000	49.323	1.4	98	0.00
74	T	N-amyl acetate	50.000	50.280	-0.6	99	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	46.671	6.7	103	0.00
76	T	1,2,3-Trichloropropane	50.000	44.840	10.3	102	0.00
77	T	Bromobenzene	50.000	44.566	10.9	96	0.00
78	T	n-propylbenzene	50.000	48.736	2.5	96	0.00
79	T	2-Chlorotoluene	50.000	47.616	4.8	99	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.812	-3.6	99	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.503	9.0	97	0.00
82	T	4-Chlorotoluene	50.000	45.763	8.5	96	0.00
83	T	tert-Butylbenzene	50.000	51.061	-2.1	98	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.069	-2.1	98	0.00
85	T	sec-Butylbenzene	50.000	50.542	-1.1	98	0.00
86	T	p-Isopropyltoluene	50.000	52.315	-4.6	97	0.00
87	T	1,3-Dichlorobenzene	50.000	42.268	15.5	94	0.00
88	T	1,4-Dichlorobenzene	50.000	45.744	8.5	94	0.00
89	T	n-Butylbenzene	50.000	47.108	5.8	95	0.00
90	T	Hexachloroethane	50.000	43.786	12.4	93	0.00
91	T	1,2-Dichlorobenzene	50.000	44.308	11.4	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	43.984	12.0	97	0.00
93	T	1,2,4-Trichlorobenzene	50.000	39.531	20.9	90	0.00
94	T	Hexachlorobutadiene	50.000	41.656	16.7	97	0.00
95	T	Naphthalene	50.000	43.227	13.5	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084935.D
Acq On : 19 Nov 2024 09:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 20 00:20:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	40.681	18.6	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG No.: P4845

Instrument ID: MSVOA_N Calibration Date/Time: 11/19/2024 19:40

Lab File ID: VN084958.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.575	0.566		-1.57	50
Chloromethane	0.952	0.647	0.1	-32.04	50
Vinyl Chloride	0.618	0.627		1.46	50
Bromomethane	0.328	0.332		1.22	50
Chloroethane	0.488	0.421		-13.73	50
Trichlorofluoromethane	1.018	1.057		3.83	50
1,1,2-Trichlorotrifluoroethane	0.575	0.606		5.39	50
1,1-Dichloroethene	0.569	0.579		1.76	50
Acetone	0.238	0.275		15.55	50
Carbon Disulfide	1.753	1.515		-13.58	50
Methyl tert-butyl Ether	1.745	2.119		21.43	50
Methyl Acetate	1.172	0.953		-18.69	50
Methylene Chloride	0.635	0.696		9.61	50
trans-1,2-Dichloroethene	0.585	0.592		1.2	50
1,1-Dichloroethane	1.102	1.215	0.1	10.25	50
Cyclohexane	0.997	0.988		-0.9	50
2-Butanone	0.337	0.447		32.64	50
Carbon Tetrachloride	0.525	0.559		6.48	50
cis-1,2-Dichloroethene	0.683	0.749		9.66	50
Bromochloromethane	0.439	0.517		17.77	50
Chloroform	1.121	1.256		12.04	50
1,1,1-Trichloroethane	1.021	1.145		12.15	50
Methylcyclohexane	0.478	0.522		9.2	50
Benzene	1.507	1.574		4.45	50
1,2-Dichloroethane	0.488	0.539		10.45	50
Trichloroethene	0.348	0.359		3.16	50
1,2-Dichloropropane	0.354	0.381		7.63	50
Bromodichloromethane	0.526	0.578		9.89	50
4-Methyl-2-Pentanone	0.406	0.550		35.47	50
Toluene	0.882	0.960		8.84	50
t-1,3-Dichloropropene	0.544	0.555		2.02	50
cis-1,3-Dichloropropene	0.576	0.600		4.17	50
1,1,2-Trichloroethane	0.332	0.375		12.95	50
2-Hexanone	0.296	0.408		37.84	50
Dibromochloromethane	0.378	0.435		15.08	50
1,2-Dibromoethane	0.340	0.380		11.77	50
Tetrachloroethene	0.333	0.349		4.8	50
Chlorobenzene	1.119	1.105	0.3	-1.25	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG No.: P4845

Instrument ID: MSVOA_N Calibration Date/Time: 11/19/2024 19:40

Lab File ID: VN084958.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.867	1.968		5.41	50
m/p-Xylenes	0.707	0.744		5.23	50
o-Xylene	0.661	0.728		10.14	50
Styrene	1.154	1.244		7.8	50
Bromoform	0.293	0.319	0.1	8.87	50
Isopropylbenzene	3.504	3.549		1.28	50
1,1,2,2-Tetrachloroethane	1.170	1.203	0.3	2.82	50
1,3-Dichlorobenzene	1.838	1.578		-14.15	50
1,4-Dichlorobenzene	1.937	1.590		-17.91	50
1,2-Dichlorobenzene	1.766	1.652		-6.45	50
1,2-Dibromo-3-Chloropropane	0.237	0.243		2.53	50
1,2,4-Trichlorobenzene	0.967	0.788		-18.51	50
1,2,3-Trichlorobenzene	0.939	0.794		-15.44	50
1,2-Dichloroethane-d4	0.722	0.665		-7.89	50
Dibromofluoromethane	0.338	0.315		-6.8	50
Toluene-d8	1.247	1.119		-10.27	50
4-Bromofluorobenzene	0.466	0.458		-1.72	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084958.D
Acq On : 19 Nov 2024 19:40
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 20 00:36:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	152211	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	262799	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	243763	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	125759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	101217	46.040	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 92.080%			
35) Dibromofluoromethane	8.165	113	82767	46.529	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.060%			
50) Toluene-d8	10.565	98	294155	44.891	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 89.780%			
62) 4-Bromofluorobenzene	12.847	95	120331	49.136	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.280%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	86181	49.253	ug/l	96
3) Chloromethane	2.359	50	98416	47.823	ug/l	99
4) Vinyl Chloride	2.512	62	95390	50.686	ug/l	100
5) Bromomethane	2.901	94	50509	50.654	ug/l	100
6) Chloroethane	3.065	64	64070	55.140	ug/l	96
7) Trichlorofluoromethane	3.465	101	160819	51.874	ug/l	98
8) Diethyl Ether	3.953	74	63564	58.123	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.348	101	92174	52.618	ug/l	100
10) Methyl Iodide	4.571	142	129866	55.469	ug/l	93
11) Tert butyl alcohol	5.548	59	95161	327.929	ug/l	100
12) 1,1-Dichloroethene	4.324	96	88168	50.865	ug/l	95
13) Acrolein	4.171	56	90872	314.037	ug/l	99
14) Allyl chloride	5.006	41	150014	53.365	ug/l	93
15) Acrylonitrile	5.712	53	261014	310.701	ug/l	99
16) Acetone	4.430	43	209022	330.058	ug/l	97
17) Carbon Disulfide	4.695	76	230669	43.213	ug/l	100
18) Methyl Acetate	5.018	43	145022	63.602	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	322468	60.696	ug/l	98
20) Methylene Chloride	5.271	84	106009	54.826	ug/l	91
21) trans-1,2-Dichloroethene	5.777	96	90136	50.642	ug/l	91
22) Diisopropyl ether	6.671	45	324085	58.021	ug/l	98
23) Vinyl Acetate	6.594	43	1180268	306.409	ug/l	99
24) 1,1-Dichloroethane	6.565	63	184882	55.131	ug/l	98
25) 2-Butanone	7.483	43	339995	331.494	ug/l	98
26) 2,2-Dichloropropane	7.483	77	128037	43.867	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	113983	54.845	ug/l	95
28) Bromochloromethane	7.806	49	78627	58.849	ug/l	97
29) Tetrahydrofuran	7.836	42	227099	333.759	ug/l	97
30) Chloroform	7.965	83	191245	56.030	ug/l	99
31) Cyclohexane	8.253	56	150439	49.565	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	174219	56.079	ug/l	97
36) 1,1-Dichloropropene	8.365	75	126651	51.338	ug/l	99
37) Ethyl Acetate	7.559	43	139778	62.448	ug/l	99
38) Carbon Tetrachloride	8.359	117	146903	53.274	ug/l	94
39) Methylcyclohexane	9.600	83	137151	54.647	ug/l	97
40) Benzene	8.600	78	413561	52.199	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084958.D
Acq On : 19 Nov 2024 19:40
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 20 00:36:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	79117	65.730	ug/l		99
42) 1,2-Dichloroethane	8.671	62	141640	55.202	ug/l		100
43) Isopropyl Acetate	8.688	43	267240	64.915	ug/l		97
44) Trichloroethene	9.347	130	94441	51.687	ug/l		97
45) 1,2-Dichloropropane	9.618	63	100152	53.888	ug/l		97
46) Dibromomethane	9.706	93	72686	55.425	ug/l		98
47) Bromodichloromethane	9.888	83	151877	54.940	ug/l		100
48) Methyl methacrylate	9.677	41	110720	63.558	ug/l		98
49) 1,4-Dioxane	9.694	88	37704	1221.395	ug/l	#	80
51) 4-Methyl-2-Pentanone	10.441	43	723314	338.982	ug/l		99
52) Toluene	10.630	92	252390	54.469	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	145760	50.939	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	157666	52.060	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	98556	56.465	ug/l		97
56) Ethyl methacrylate	10.871	69	164088	64.993	ug/l		96
57) 1,3-Dichloropropane	11.159	76	167387	55.879	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	377615	319.637	ug/l		97
59) 2-Hexanone	11.194	43	536162	345.210	ug/l		98
60) Dibromochloromethane	11.359	129	114446	57.532	ug/l		100
61) 1,2-Dibromoethane	11.465	107	99914	55.900	ug/l		99
64) Tetrachloroethene	11.100	164	85091	52.479	ug/l		97
65) Chlorobenzene	11.888	112	269382	49.397	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	99013	52.198	ug/l		99
67) Ethyl Benzene	11.959	91	479657	52.693	ug/l		99
68) m/p-Xylenes	12.071	106	362832	105.283	ug/l		99
69) o-Xylene	12.394	106	177487	55.054	ug/l		99
70) Styrene	12.412	104	303144	53.903	ug/l		99
71) Bromoform	12.576	173	77759	54.478	ug/l	#	99
73) Isopropylbenzene	12.694	105	446353	50.648	ug/l		99
74) N-amyl acetate	12.494	43	213889	57.023	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	151284	51.429	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	125050m	49.744	ug/l		
77) Bromobenzene	12.982	156	107262	45.274	ug/l		98
78) n-propylbenzene	13.035	91	508504	49.239	ug/l		99
79) 2-Chlorotoluene	13.123	91	324690	48.117	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	382483	52.364	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	49380	46.601	ug/l		98
82) 4-Chlorotoluene	13.218	91	327149	46.068	ug/l		99
83) tert-Butylbenzene	13.435	119	326481	54.007	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	386682	51.293	ug/l		98
85) sec-Butylbenzene	13.618	105	433341	50.747	ug/l		99
86) p-Isopropyltoluene	13.729	119	363170	51.858	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	198485	42.928	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	199901	47.062	ug/l		99
89) n-Butylbenzene	14.053	91	300302	45.841	ug/l		100
90) Hexachloroethane	14.329	117	70949	45.429	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	207798	46.770	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	30515	51.205	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	99130	40.763	ug/l		97
94) Hexachlorobutadiene	15.500	225	44047	41.245	ug/l		98
95) Naphthalene	15.635	128	361946	49.725	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	99818	42.284	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084958.D
Acq On : 19 Nov 2024 19:40
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 20 00:36:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084958.D
Acq On : 19 Nov 2024 19:40
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 20 00:36:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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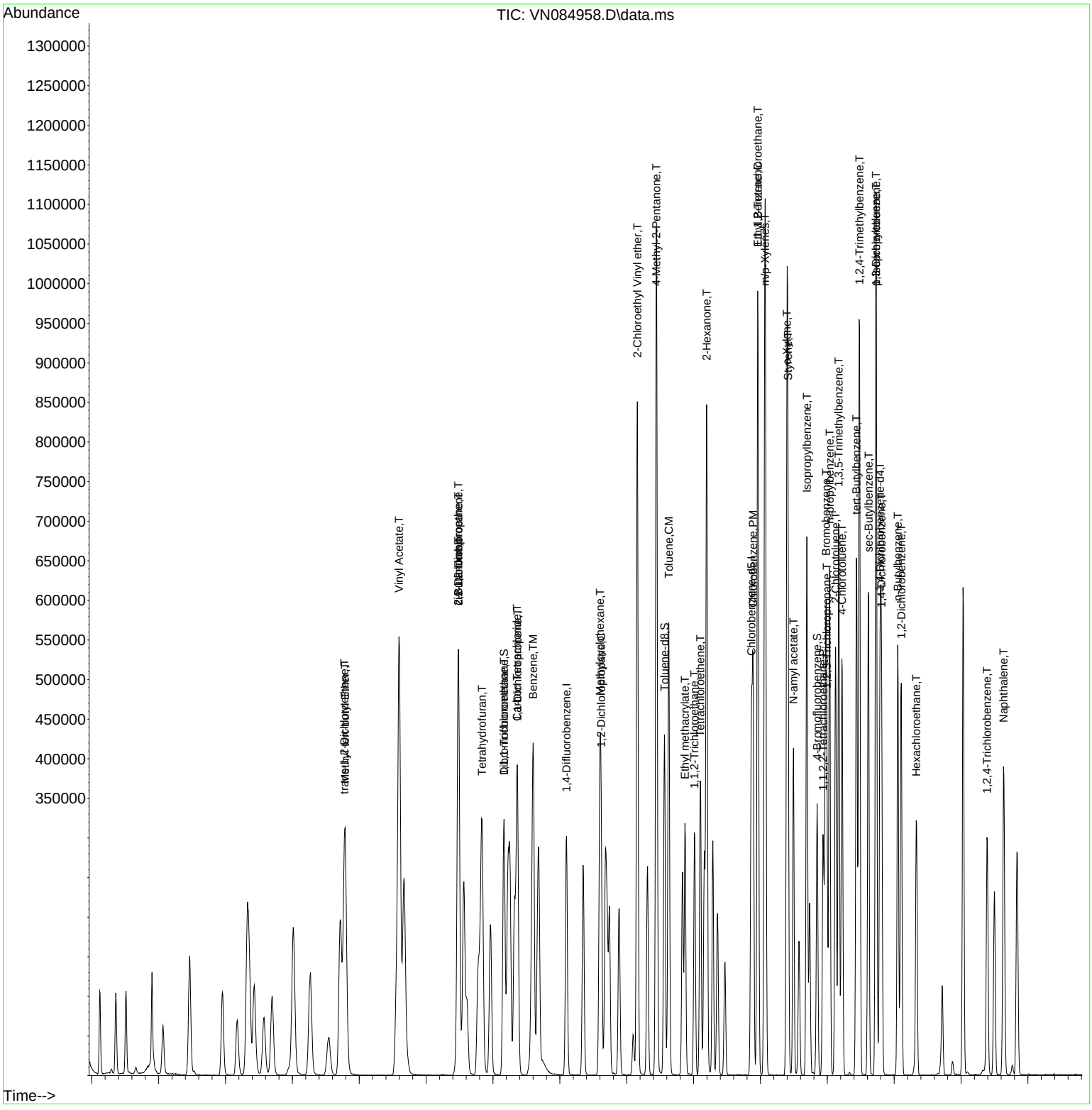
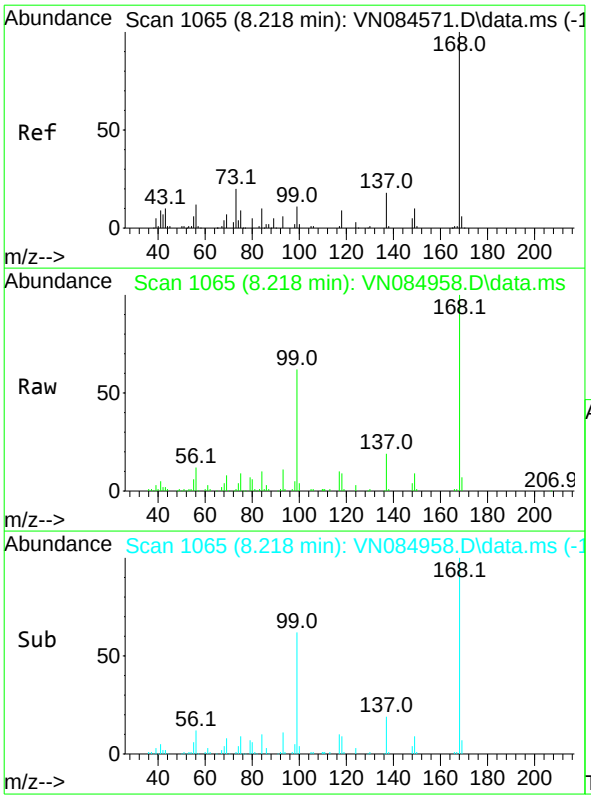
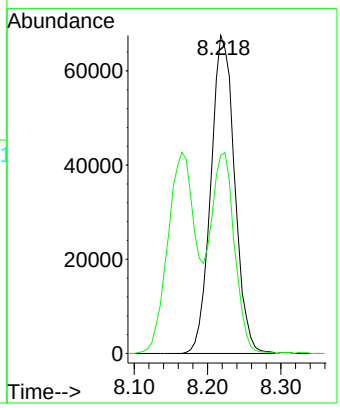




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:168 Resp: 152211

Ion	Ratio	Lower	Upper
168	100		
99	62.3	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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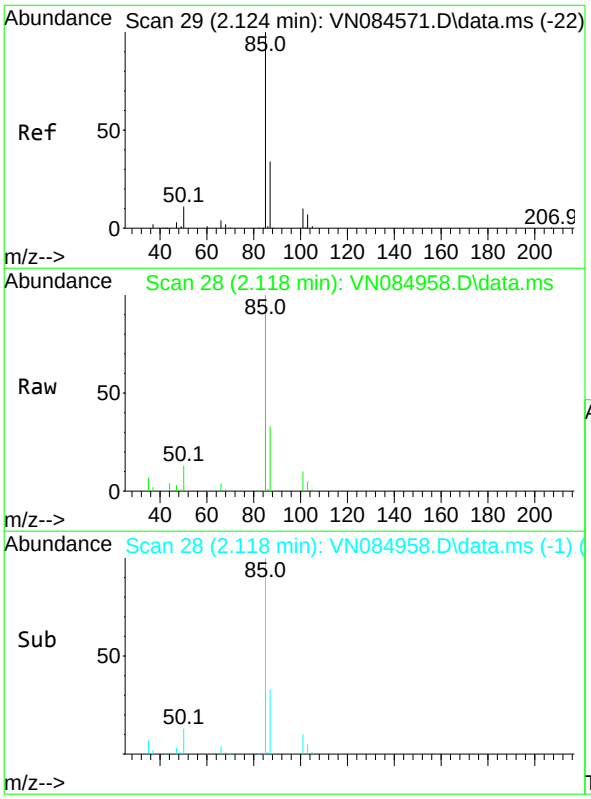
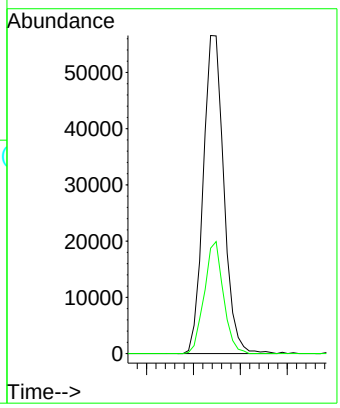
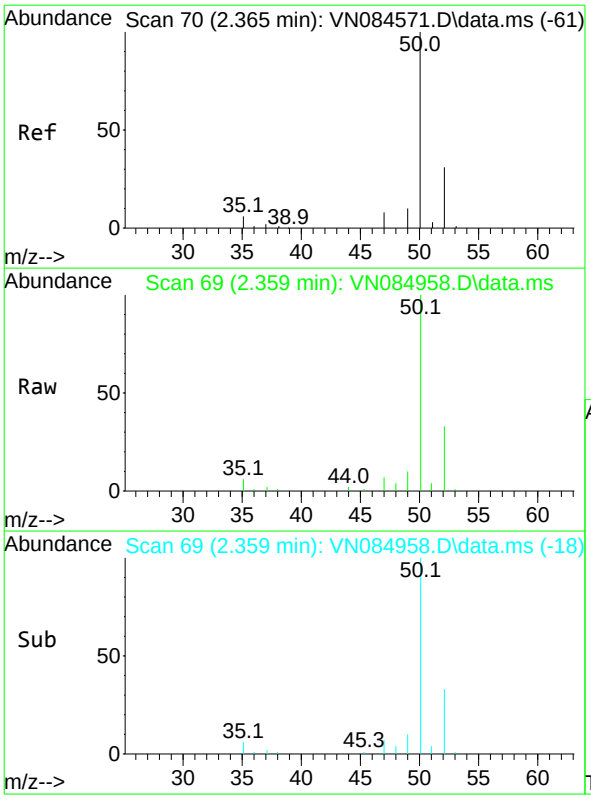


#2
Dichlorodifluoromethane
Concen: 49.253 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 85 Resp: 86181

Ion	Ratio	Lower	Upper
85	100		
87	33.1	17.6	52.9

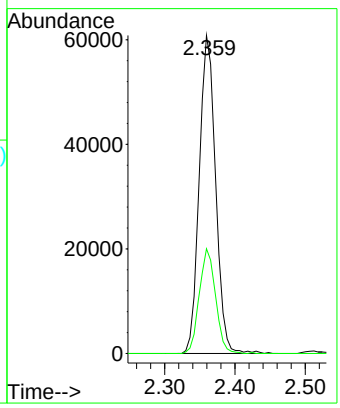




#3
Chloromethane
Concen: 47.823 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 50 Resp: 98416

Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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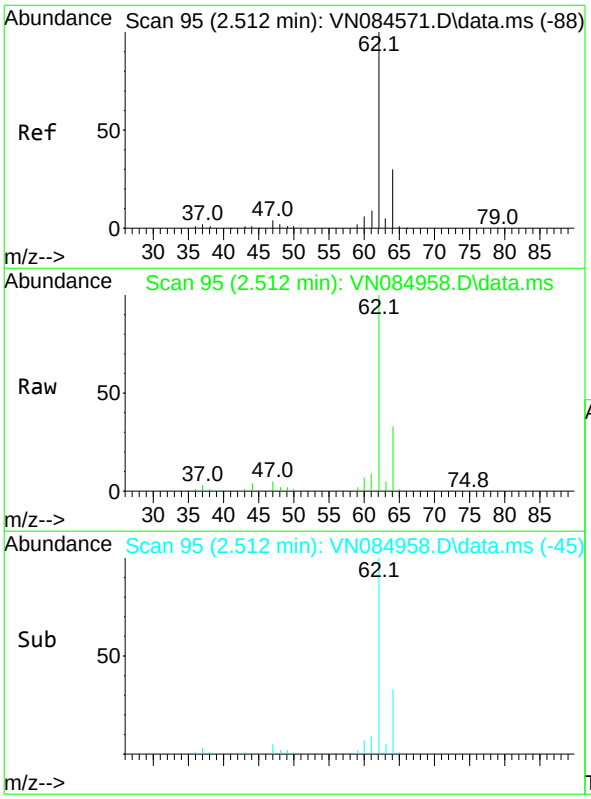
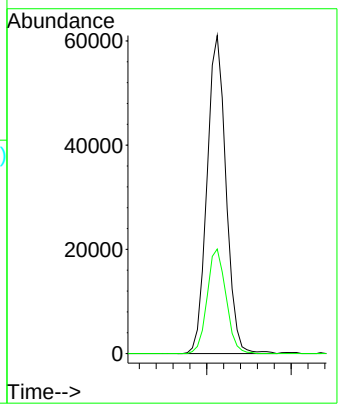
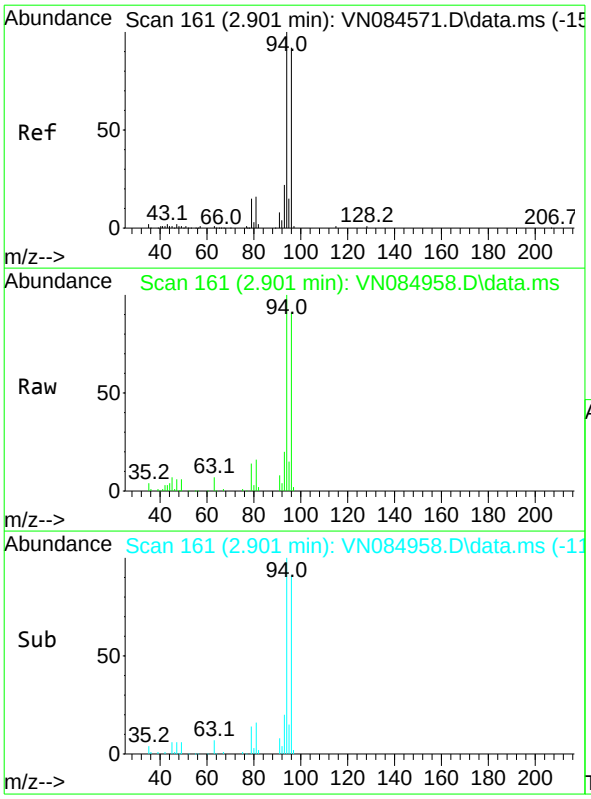


#4
Vinyl Chloride
Concen: 50.686 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 62 Resp: 95390

Ion	Ratio	Lower	Upper
62	100		
64	32.9	26.2	39.4

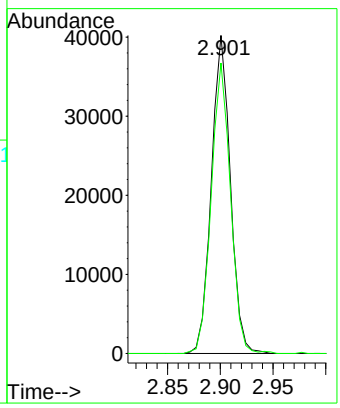




#5
Bromomethane
Concen: 50.654 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.052 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 94 Resp: 50509

Ion	Ratio	Lower	Upper
94	100		
96	91.3	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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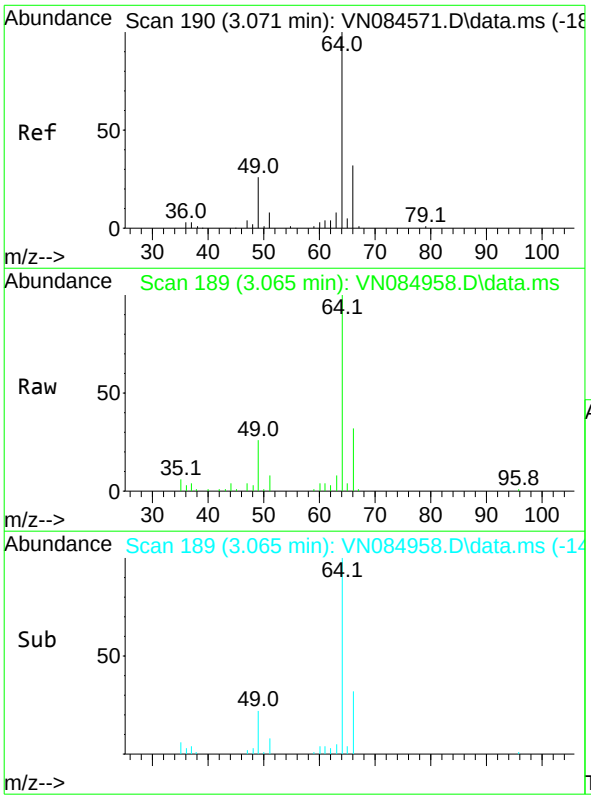
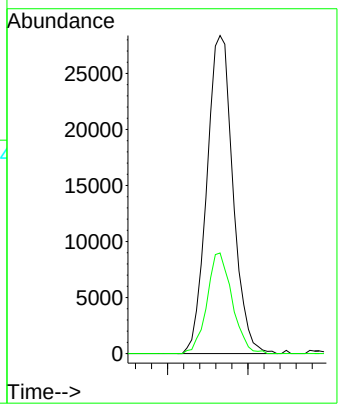
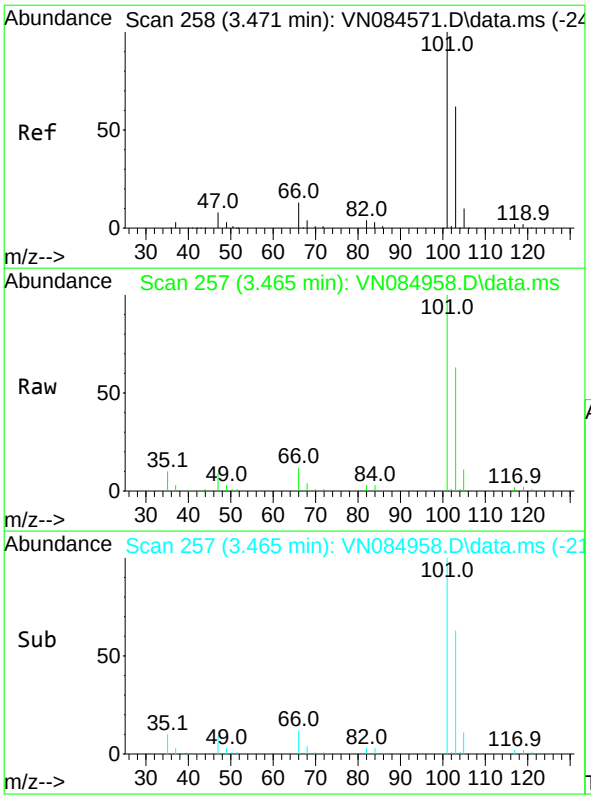


#6
Chloroethane
Concen: 55.140 ug/l
RT: 3.065 min Scan# 189
Delta R.T. -0.053 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 64 Resp: 64070

Ion	Ratio	Lower	Upper
64	100		
66	31.6	23.5	35.3

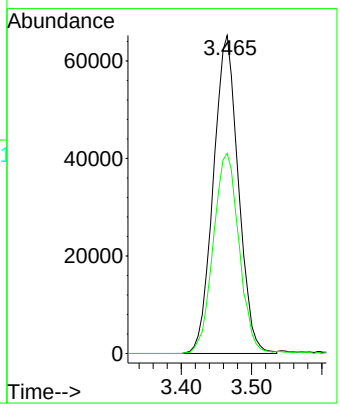




#7
Trichlorofluoromethane
Concen: 51.874 ug/l
RT: 3.465 min Scan# 25
Delta R.T. -0.030 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:101 Resp: 160819

Ion	Ratio	Lower	Upper
101	100		
103	62.9	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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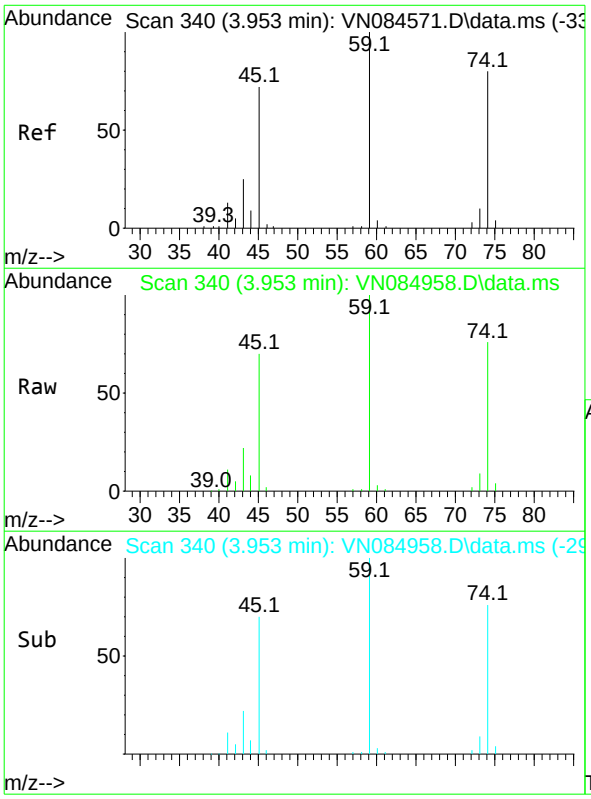
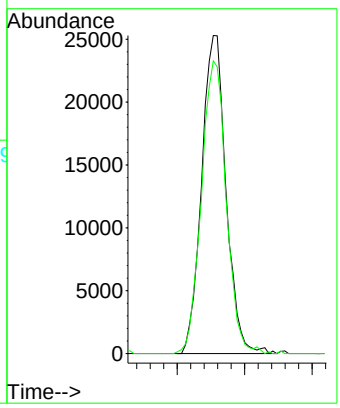
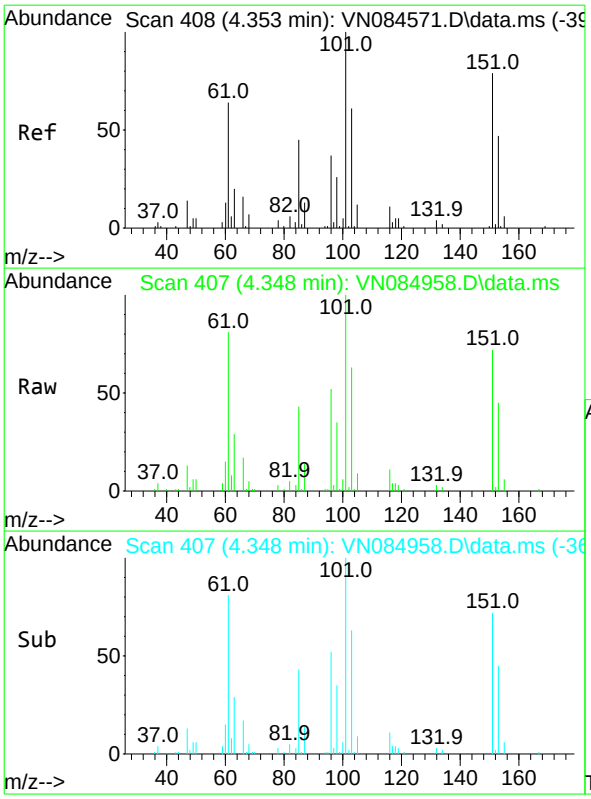


#8
Diethyl Ether
Concen: 58.123 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 74 Resp: 63564

Ion	Ratio	Lower	Upper
74	100		
45	93.6	47.7	143.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.618 ug/l
RT: 4.348 min Scan# 40
Delta R.T. -0.023 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:101 Resp: 92174

Ion	Ratio	Lower	Upper
101	100		
85	45.6	36.2	54.4
151	74.5	59.3	88.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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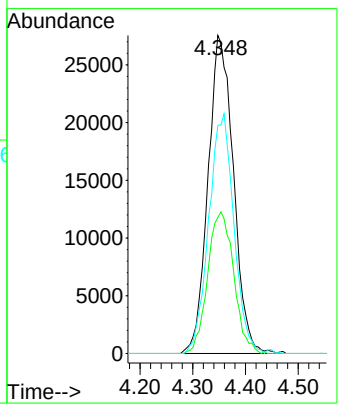
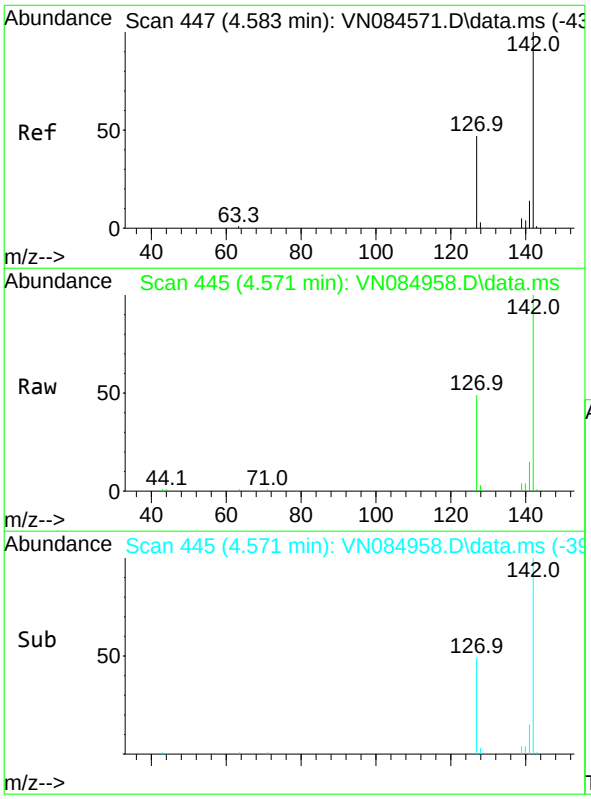
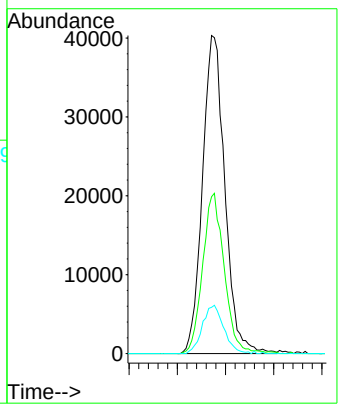


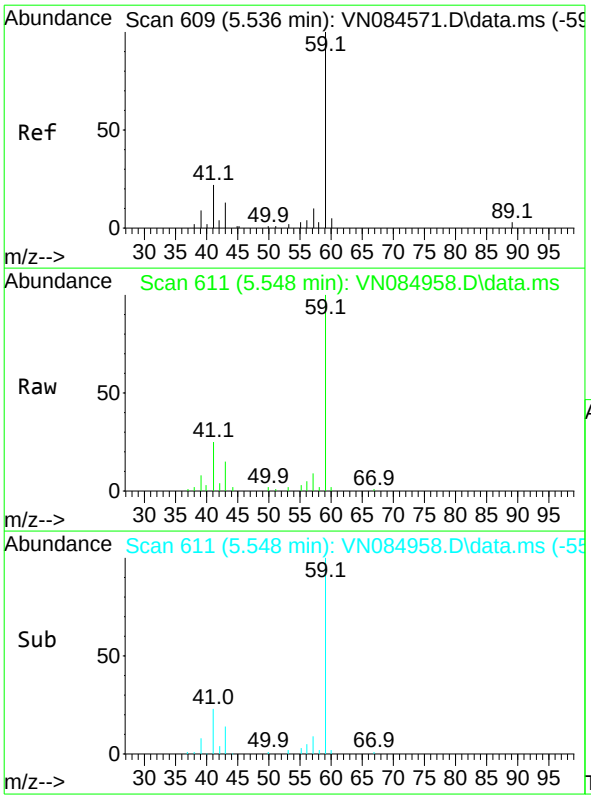


#10
Methyl Iodide
Concen: 55.469 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.023 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:142 Resp: 129866

Ion	Ratio	Lower	Upper
142	100		
127	49.3	35.3	52.9
141	14.5	11.0	16.6

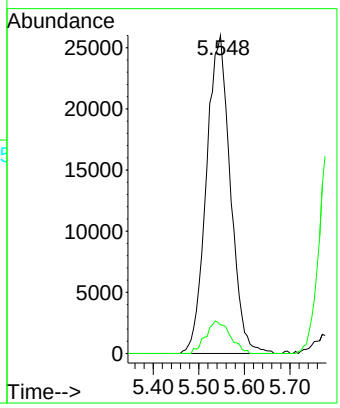




#11
Tert butyl alcohol
Concen: 327.929 ug/l
RT: 5.548 min Scan# 61
Delta R.T. 0.024 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 59 Resp: 95161

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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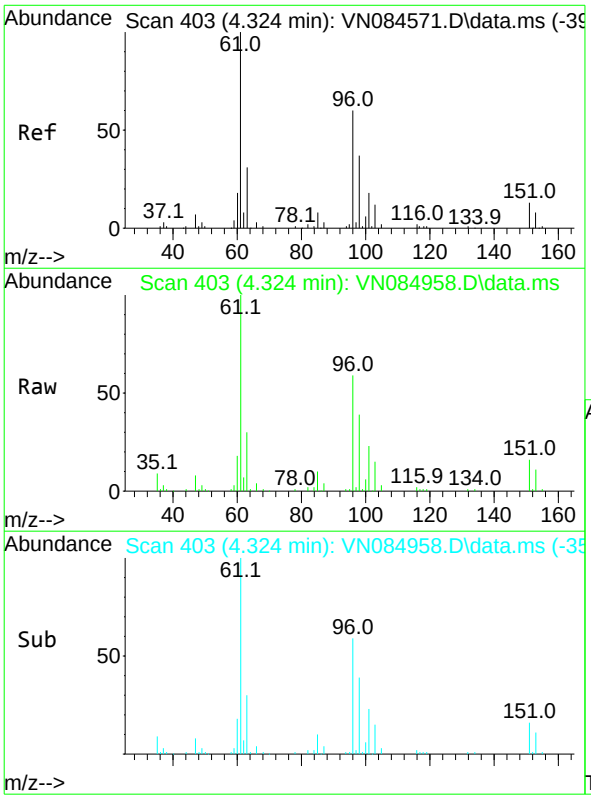
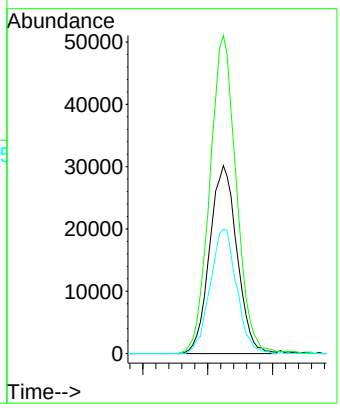
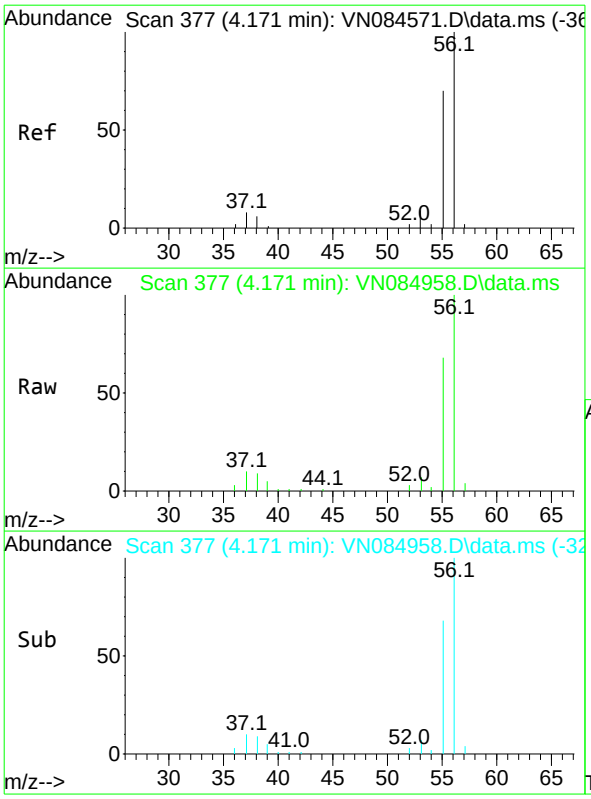


#12
1,1-Dichloroethene
Concen: 50.865 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 96 Resp: 88168

Ion	Ratio	Lower	Upper
96	100		
61	169.2	128.6	192.8
98	66.1	51.7	77.5

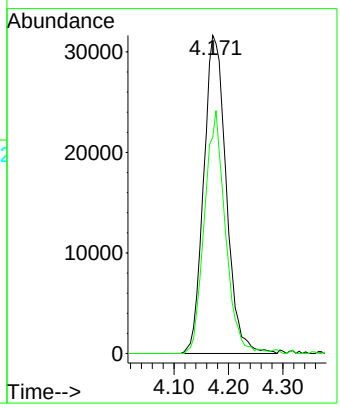




#13
Acrolein
Concen: 314.037 ug/l
RT: 4.171 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 56 Resp: 90872

Ion	Ratio	Lower	Upper
56	100		
55	70.8	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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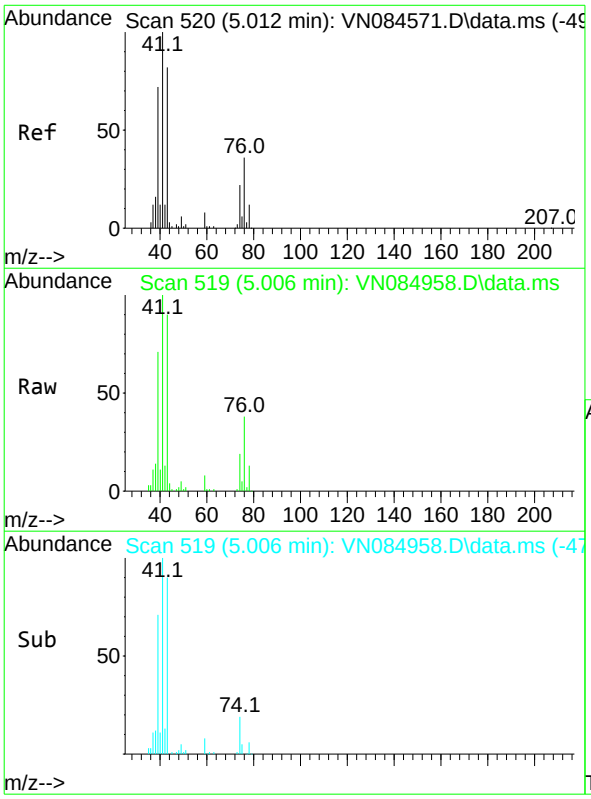
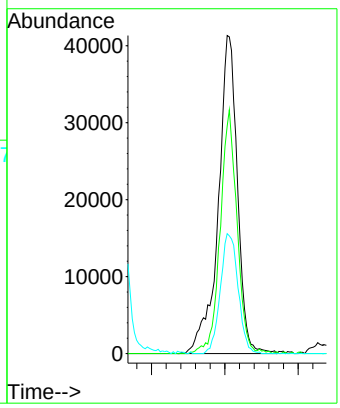
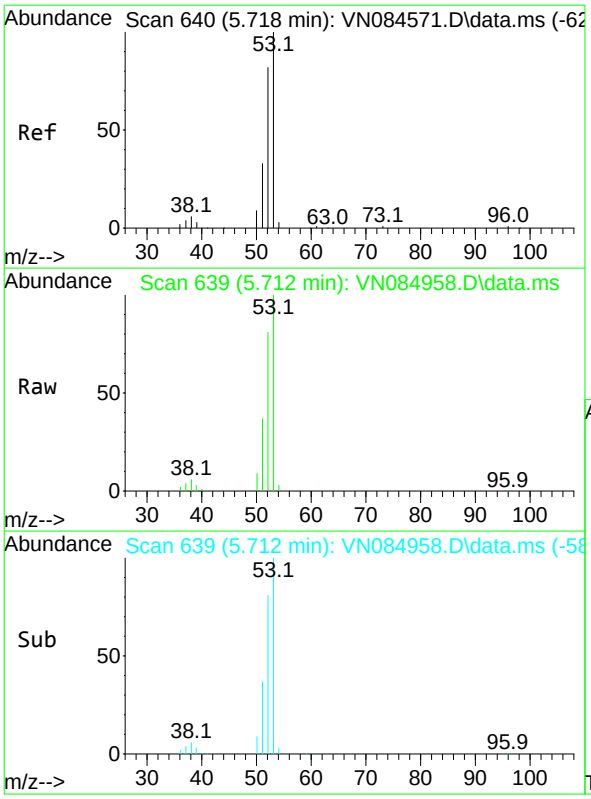


#14
Allyl chloride
Concen: 53.365 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.018 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 41 Resp: 150014

Ion	Ratio	Lower	Upper
41	100		
39	66.8	59.0	88.6
76	34.8	29.8	44.6

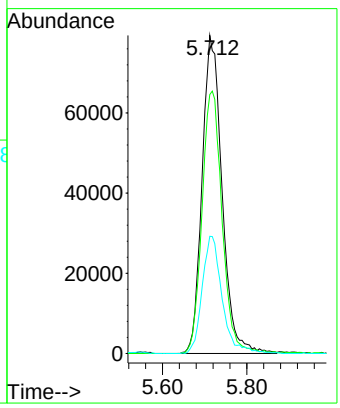




#15
Acrylonitrile
Concen: 310.701 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 53 Resp: 261014

Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.4
51	36.8	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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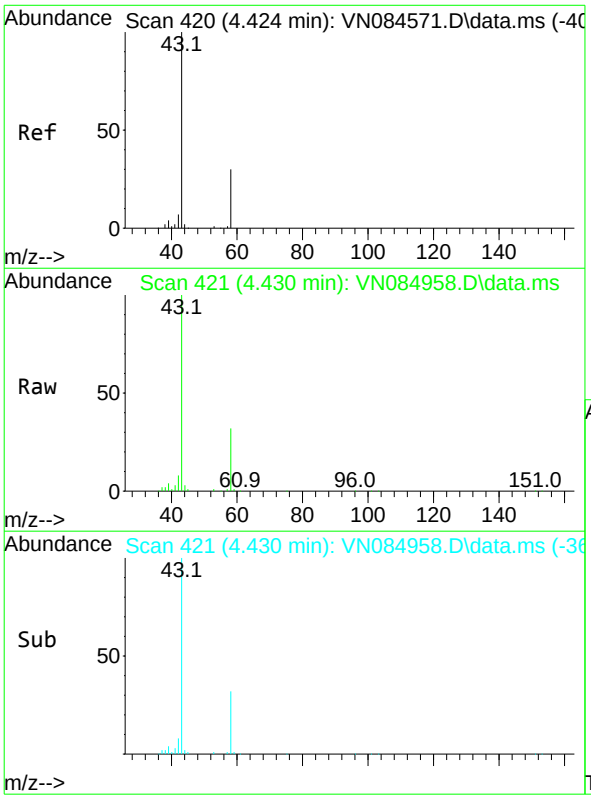
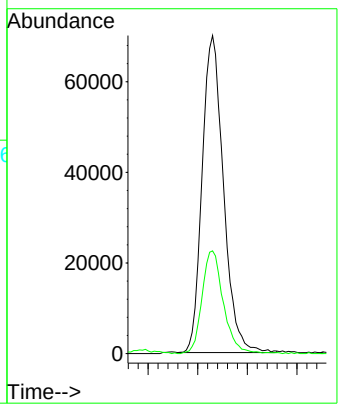
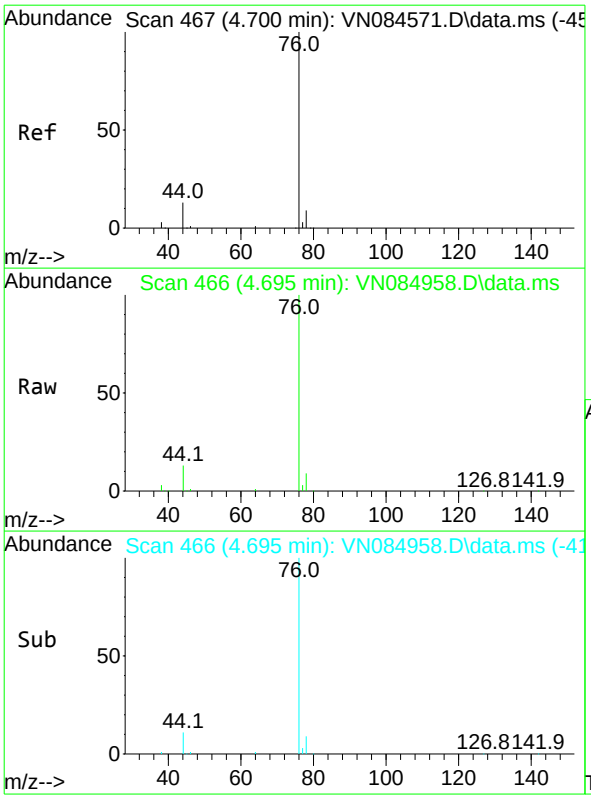


#16
Acetone
Concen: 330.058 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 43 Resp: 209022

Ion	Ratio	Lower	Upper
43	100		
58	32.4	24.4	36.6

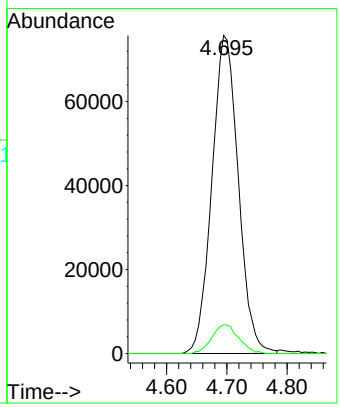




#17
Carbon Disulfide
Concen: 43.213 ug/l
RT: 4.695 min Scan# 46
Delta R.T. -0.017 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 76 Resp: 230669

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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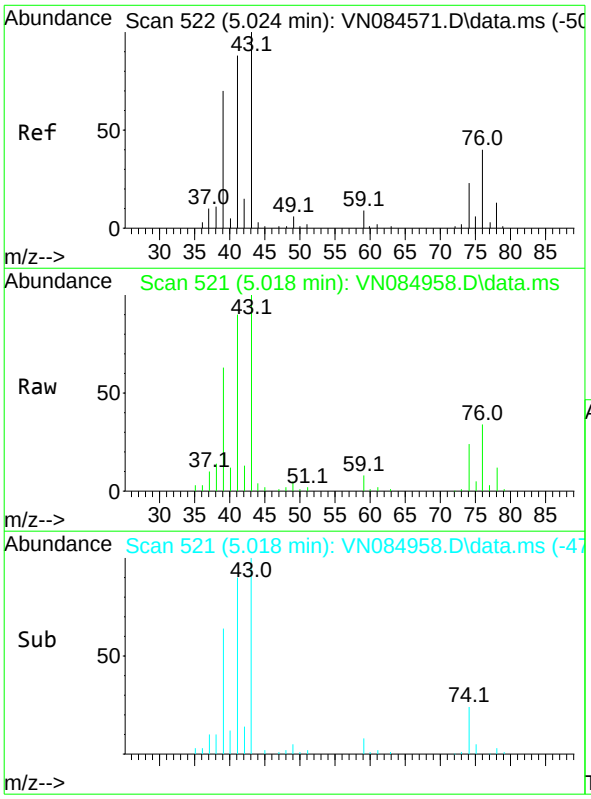
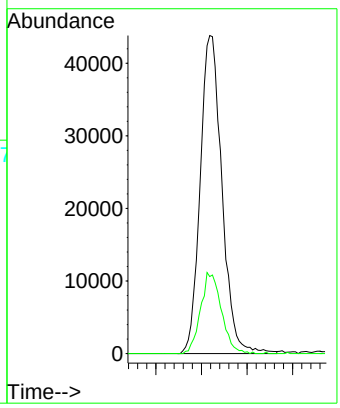
Supervised By :Mahesh Dadoda 11/20/2024

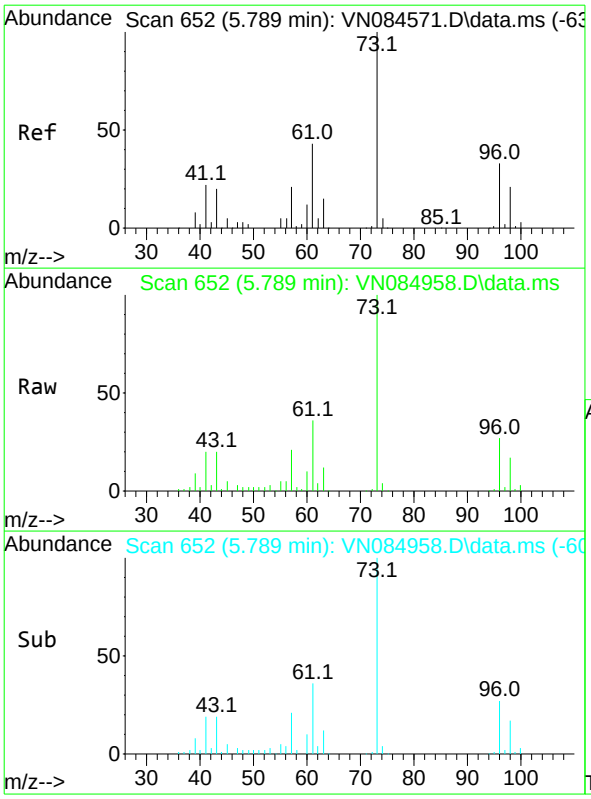


#18
Methyl Acetate
Concen: 63.602 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 43 Resp: 145022

Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.2	28.8

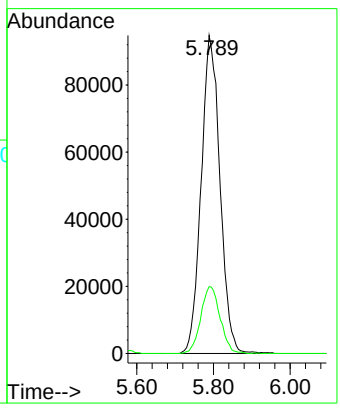




#19
Methyl tert-butyl Ether
Concen: 60.696 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 73 Resp: 322468

Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.7	26.5



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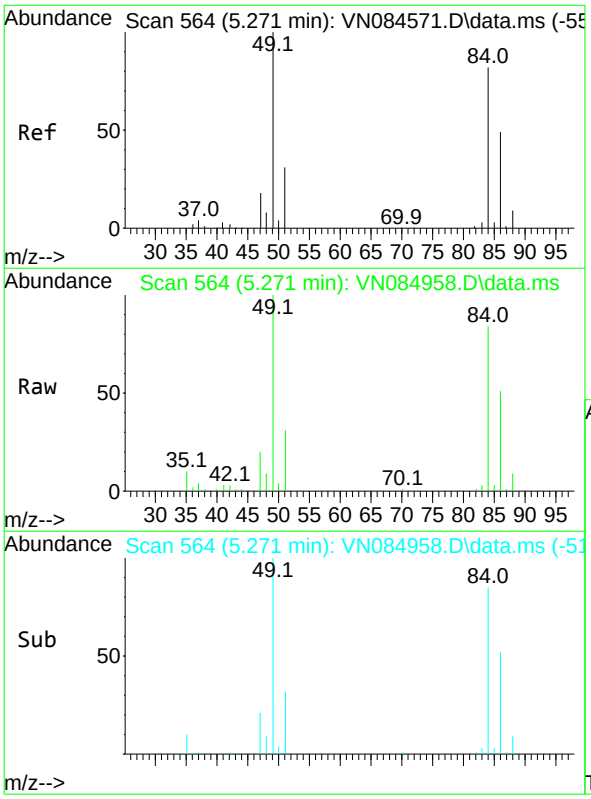
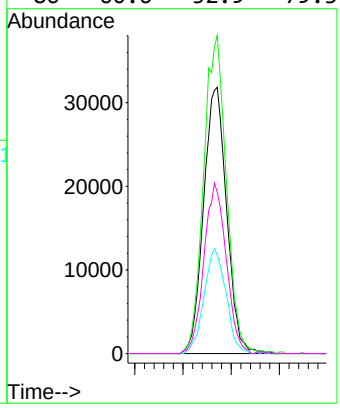
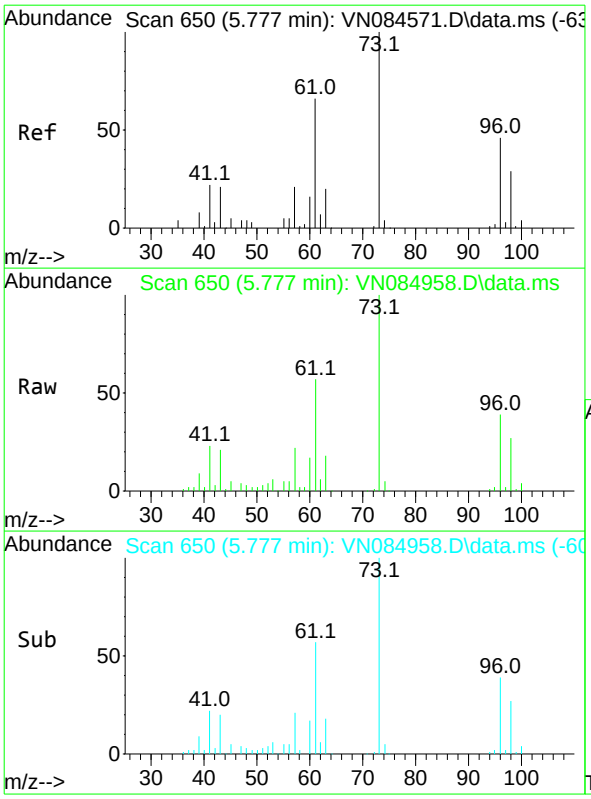


#20
Methylene Chloride
Concen: 54.826 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 84 Resp: 106009

Ion	Ratio	Lower	Upper
84	100		
49	119.5	107.2	160.8
51	37.1	31.8	47.8
86	60.6	52.9	79.3

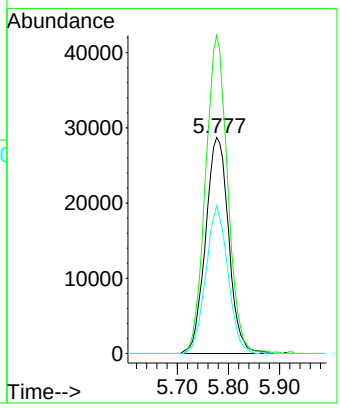




#21
trans-1,2-Dichloroethene
Concen: 50.642 ug/l
RT: 5.777 min Scan# 65
Delta R.T. -0.012 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 96 Resp: 90136

Ion	Ratio	Lower	Upper
96	100		
61	147.3	108.4	162.6
98	68.4	49.8	74.8



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ClientSampleId :
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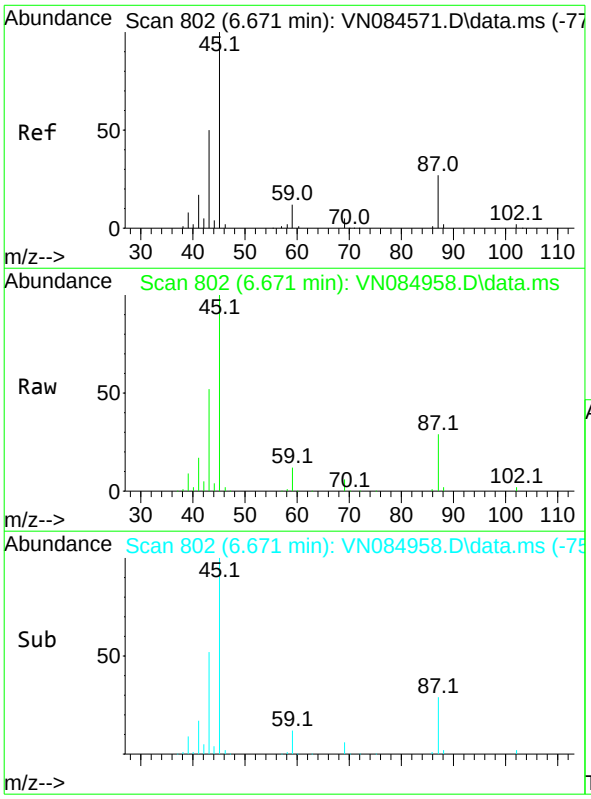
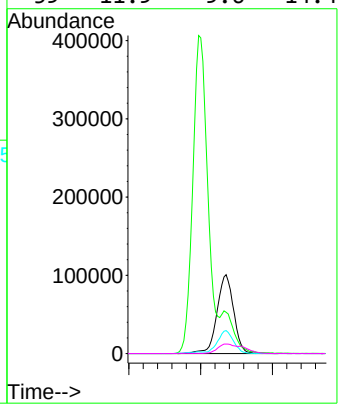
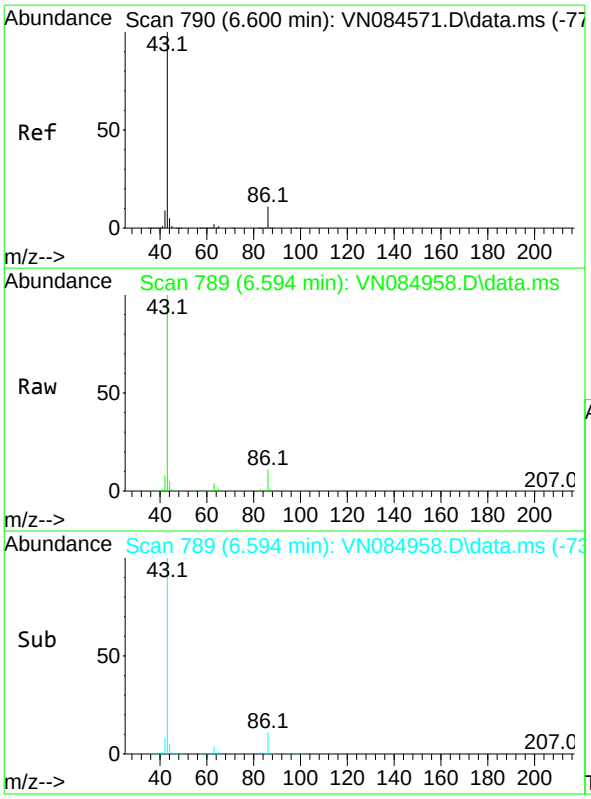


#22
Diisopropyl ether
Concen: 58.021 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 45 Resp: 324085

Ion	Ratio	Lower	Upper
45	100		
43	51.7	42.3	63.5
87	29.1	21.8	32.6
59	11.9	9.6	14.4

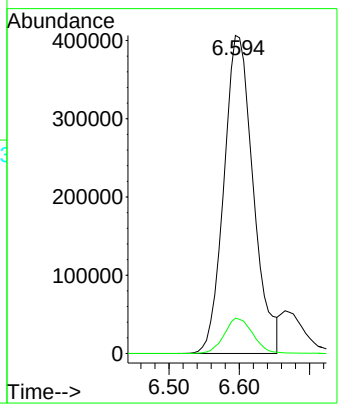




#23
Vinyl Acetate
Concen: 306.409 ug/l
RT: 6.594 min Scan# 78
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 43 Resp: 1180268

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
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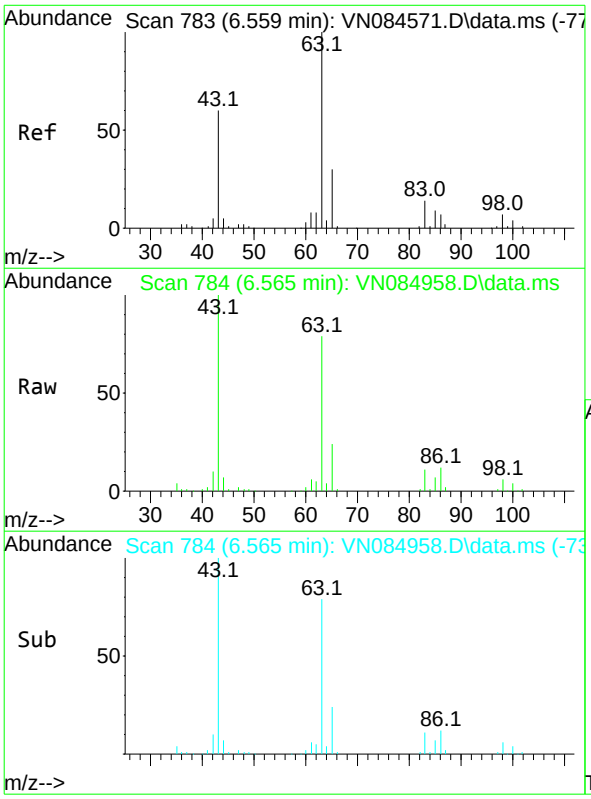
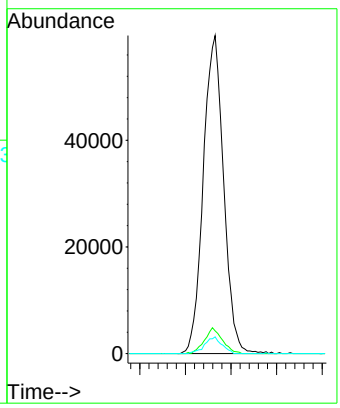
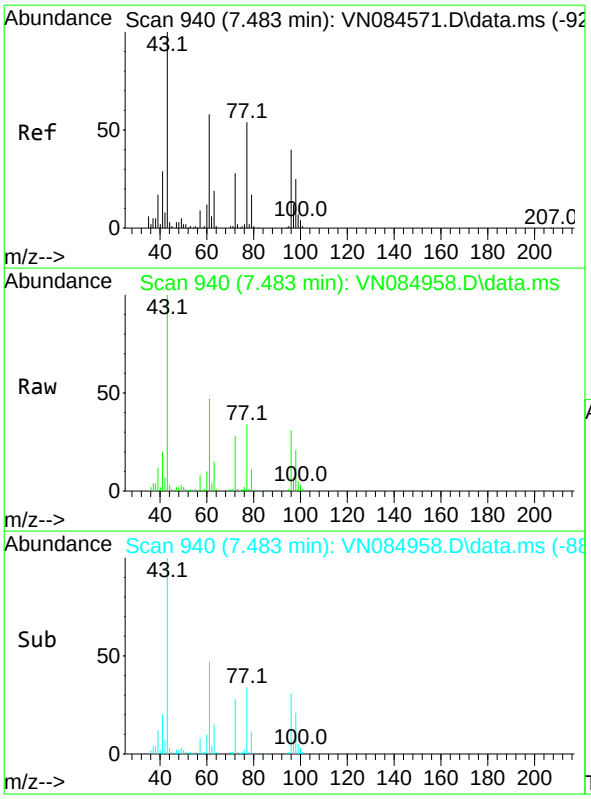


#24
1,1-Dichloroethane
Concen: 55.131 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 63 Resp: 184882

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.4	10.2
100	5.3	2.0	5.8

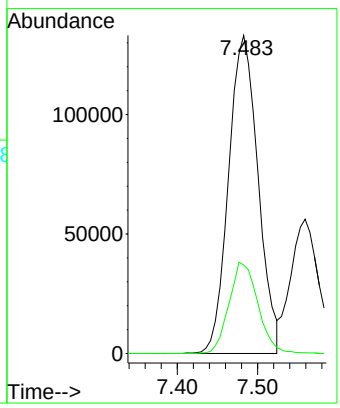




#25
2-Butanone
Concen: 331.494 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 43 Resp: 339995

Ion	Ratio	Lower	Upper
43	100		
72	27.9	21.4	32.2



Instrument :
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ClientSampleId :
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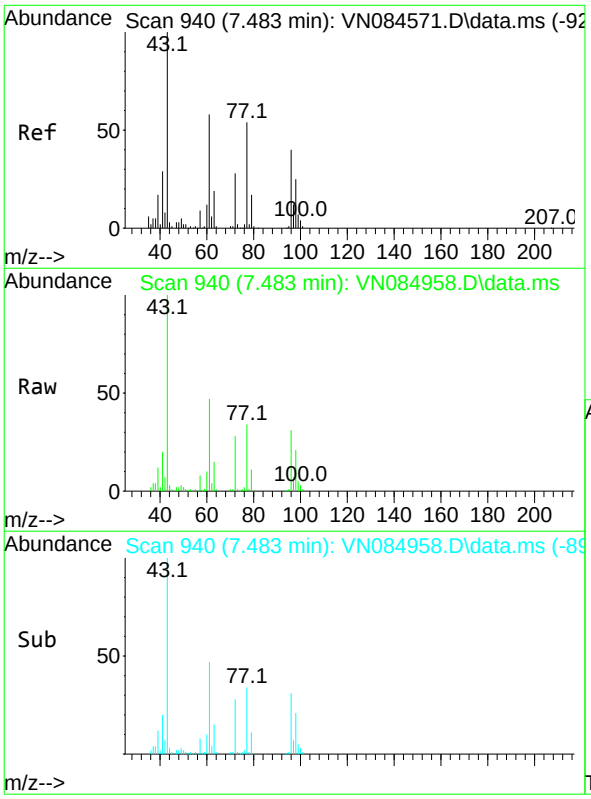
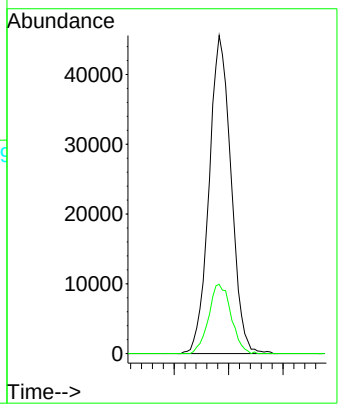
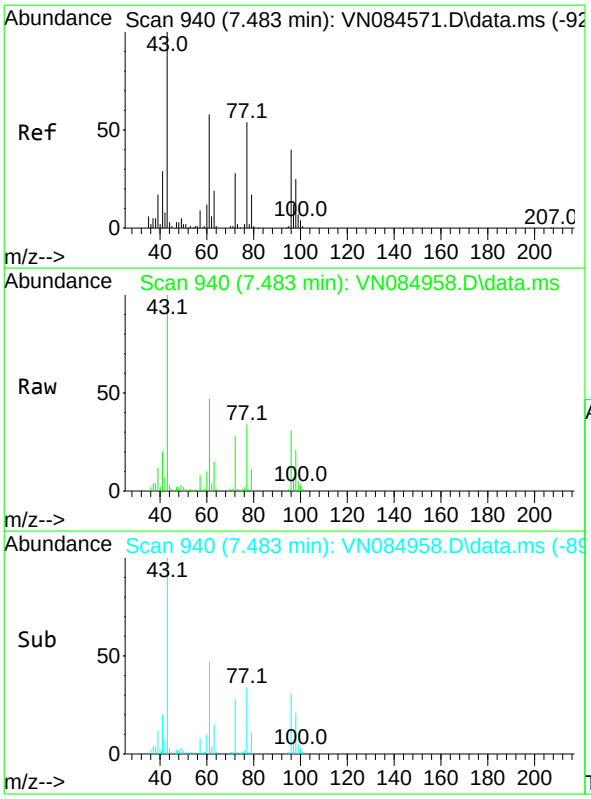


#26
2,2-Dichloropropane
Concen: 43.867 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 77 Resp: 128037

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.8	32.3

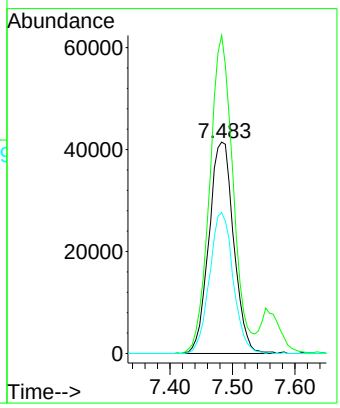




#27
cis-1,2-Dichloroethene
Concen: 54.845 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 96 Resp: 113983

Ion	Ratio	Lower	Upper
96	100		
61	142.5	0.0	301.8
98	63.8	0.0	128.2



Instrument :
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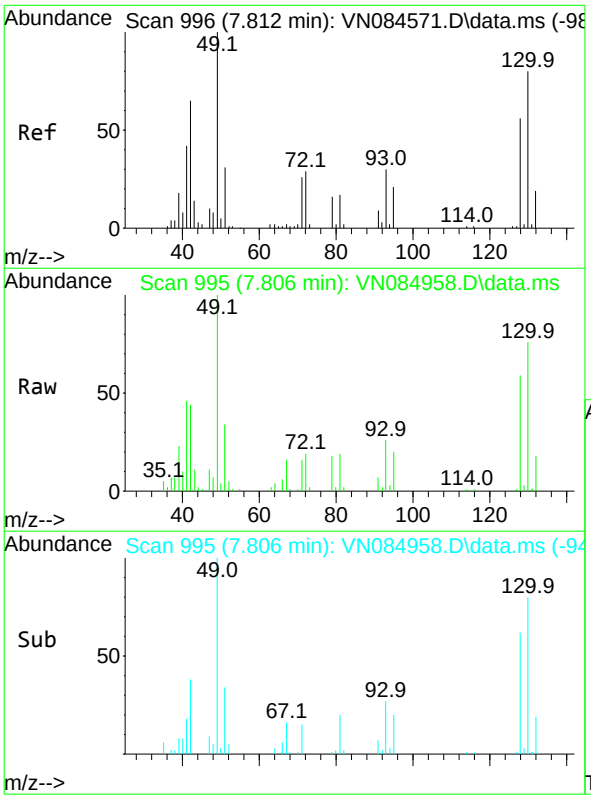
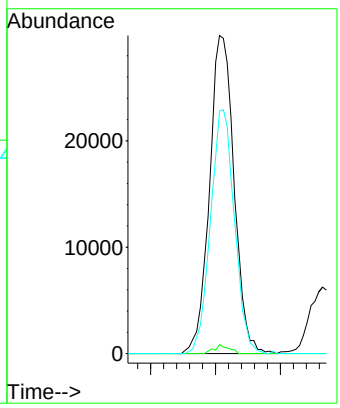
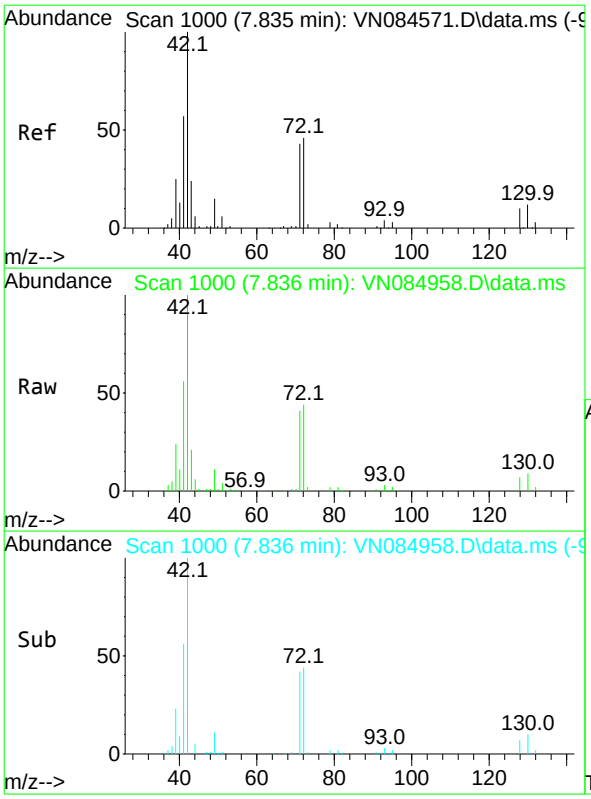


#28
Bromochloromethane
Concen: 58.849 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 49 Resp: 78627

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	74.7	58.0	87.0

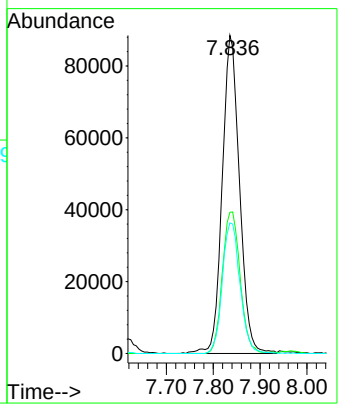




#29
Tetrahydrofuran
Concen: 333.759 ug/l
RT: 7.836 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 42 Resp: 227099

Ion	Ratio	Lower	Upper
42	100		
72	45.7	34.6	51.8
71	42.0	32.2	48.4



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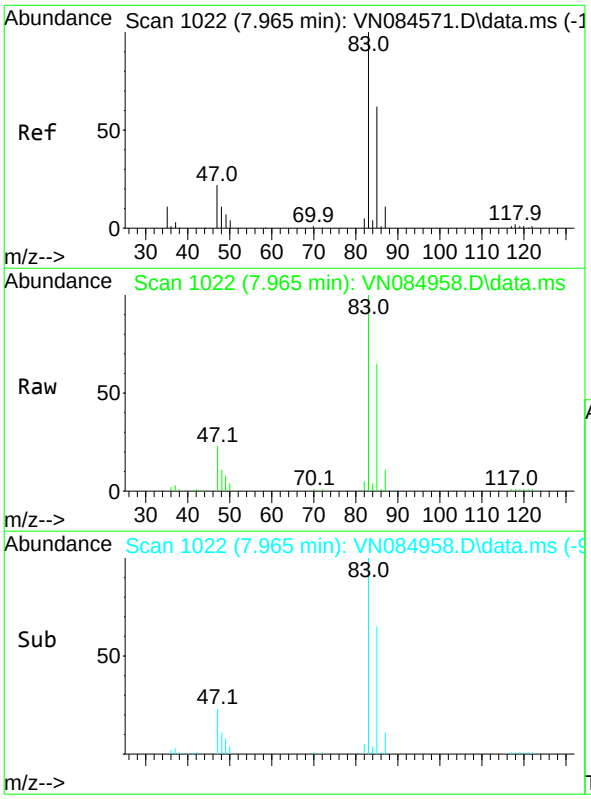
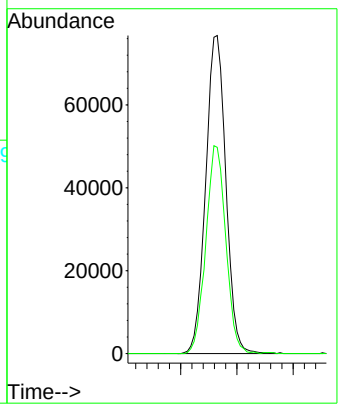
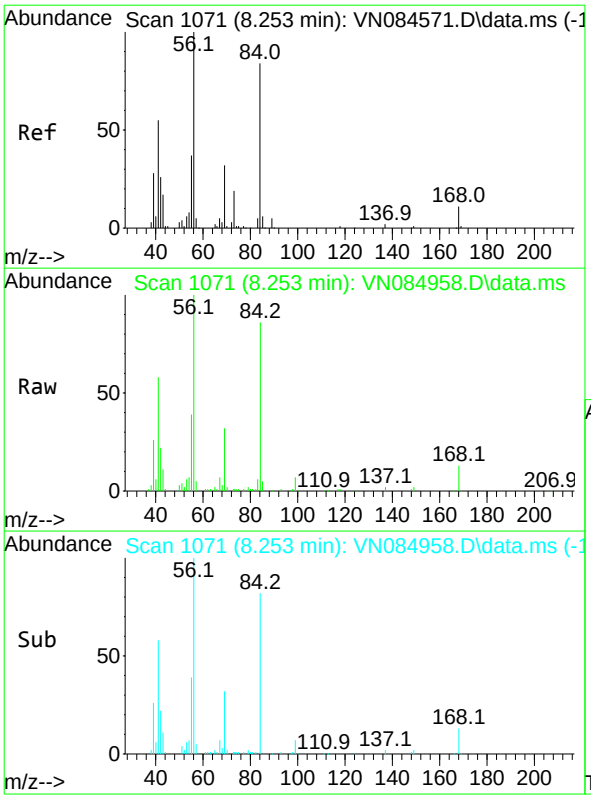


#30
Chloroform
Concen: 56.030 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 83 Resp: 191245

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.0	76.4

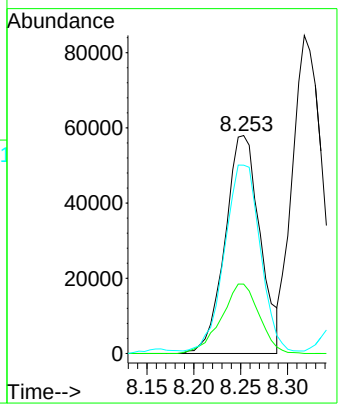




#31
Cyclohexane
Concen: 49.565 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 56 Resp: 150439

Ion	Ratio	Lower	Upper
56	100		
69	31.8	23.8	35.6
84	85.1	68.8	103.2



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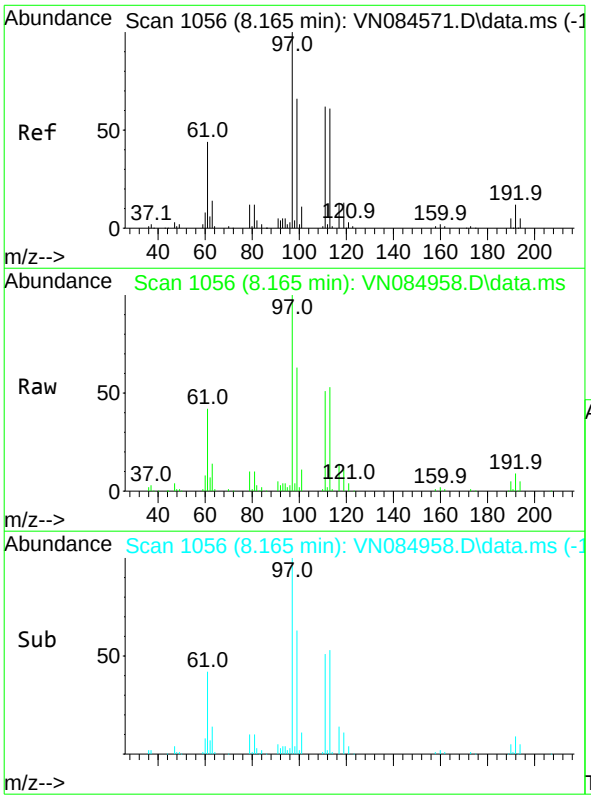
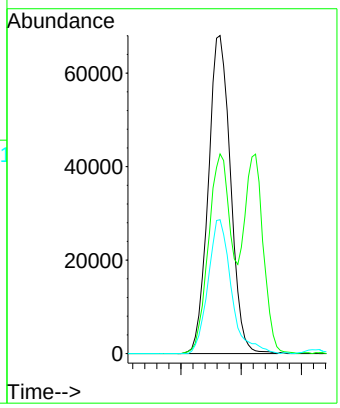
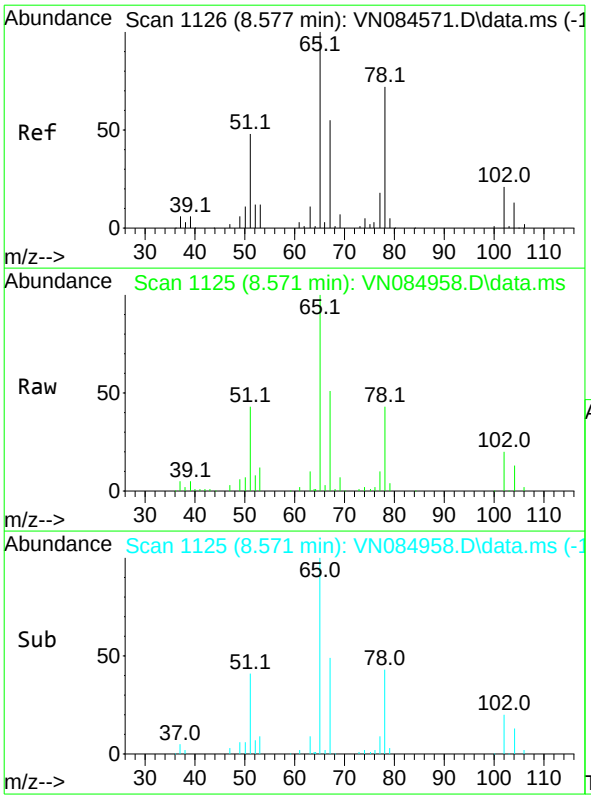


#32
1,1,1-Trichloroethane
Concen: 56.079 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 97 Resp: 174219

Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.2	76.8
61	44.2	37.5	56.3

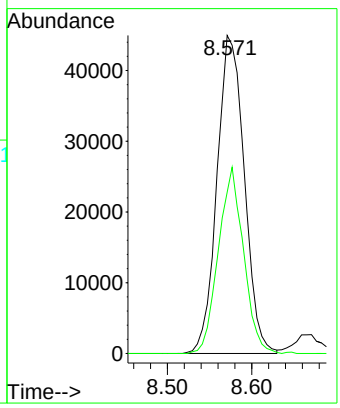




#33
1,2-Dichloroethane-d4
Concen: 46.040 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 65 Resp: 101217

Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	102.0



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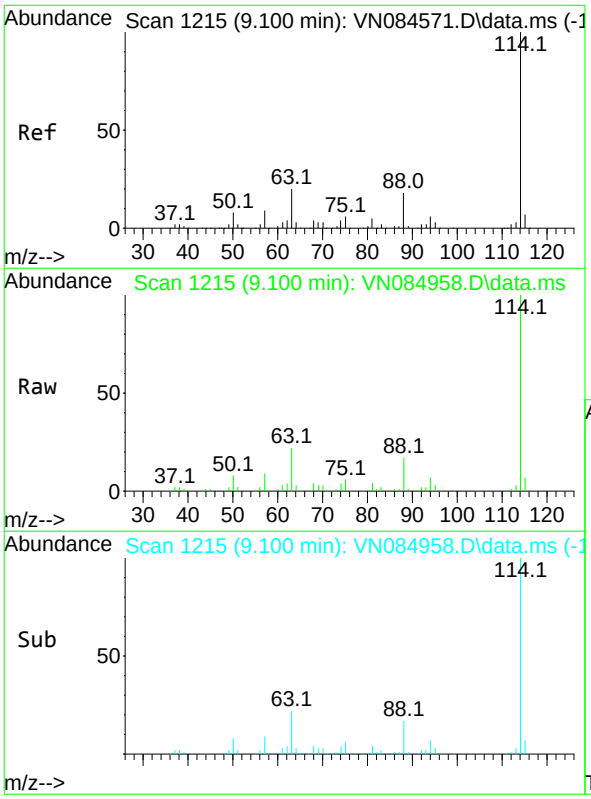
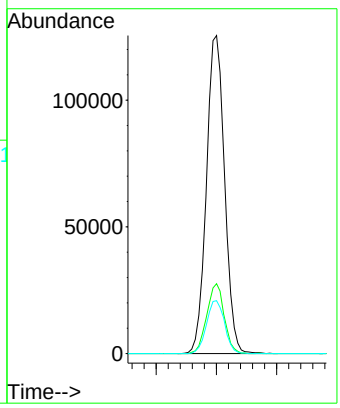
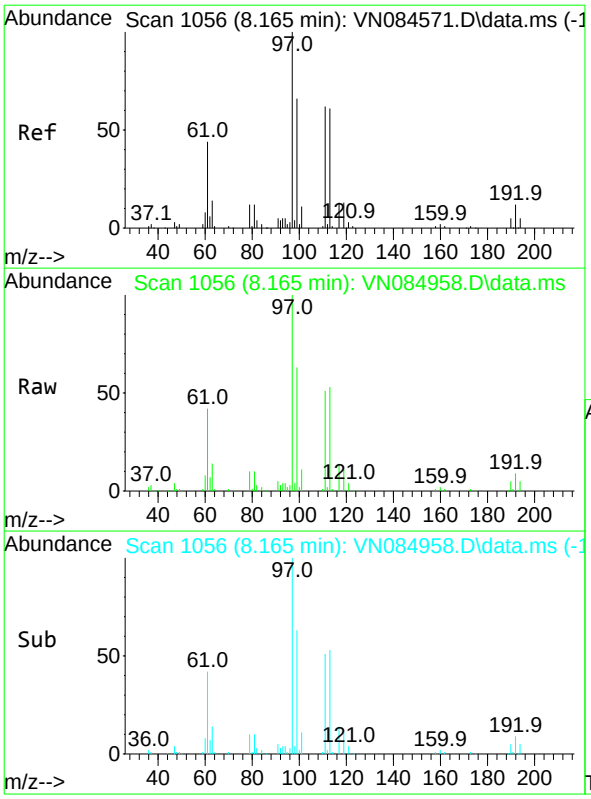


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:114 Resp: 262799

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	43.8
88	16.6	0.0	31.6

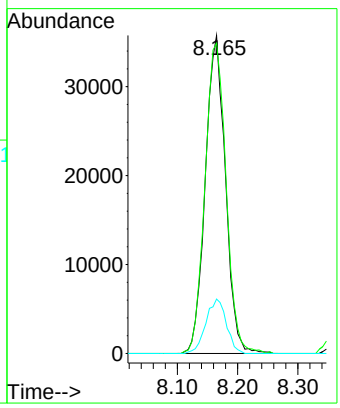




#35
Dibromofluoromethane
Concen: 46.529 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:113 Resp: 82767

Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.3	124.9
192	17.5	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
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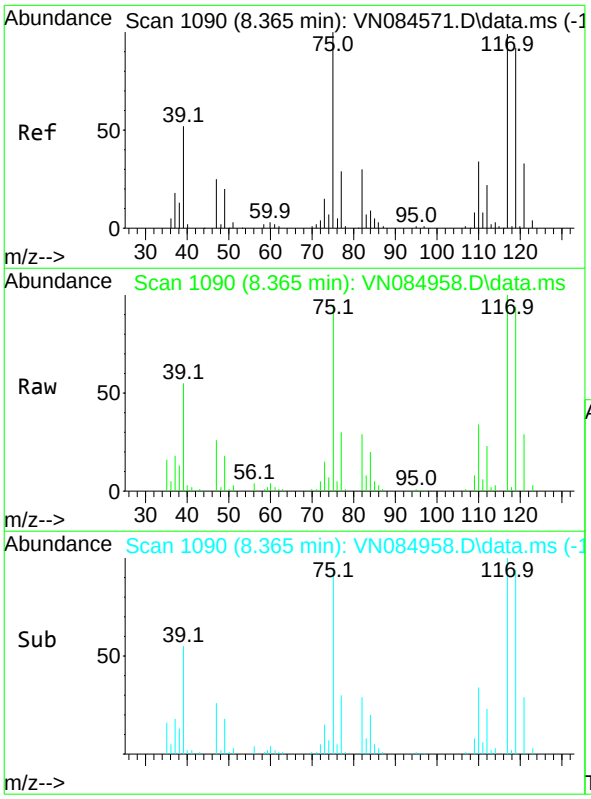
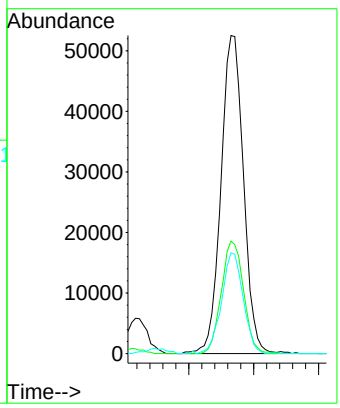
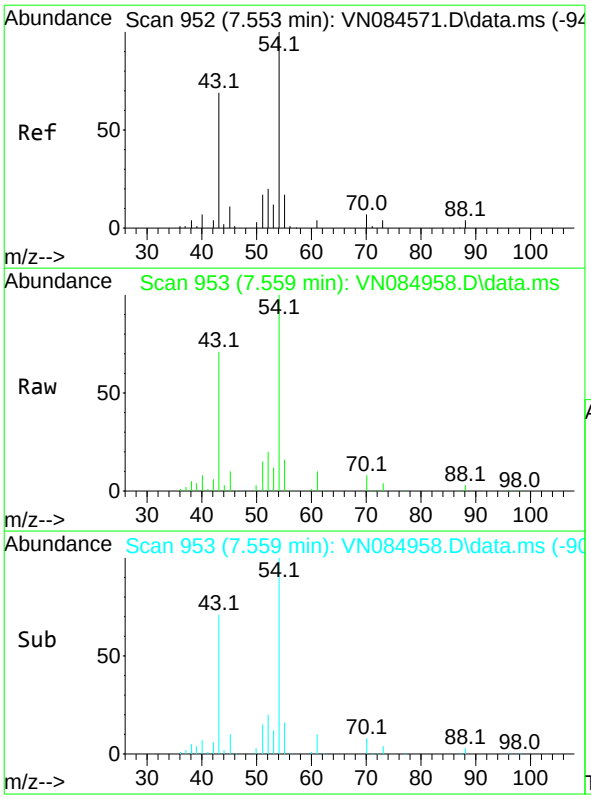


#36
1,1-Dichloropropene
Concen: 51.338 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 75 Resp: 126651

Ion	Ratio	Lower	Upper
75	100		
110	34.9	16.9	50.7
77	30.5	24.7	37.1

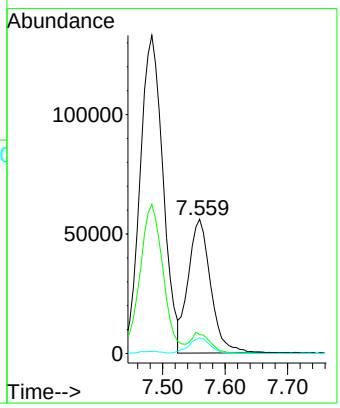




#37
Ethyl Acetate
Concen: 62.448 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 43 Resp: 139778

Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.7	16.1
70	11.1	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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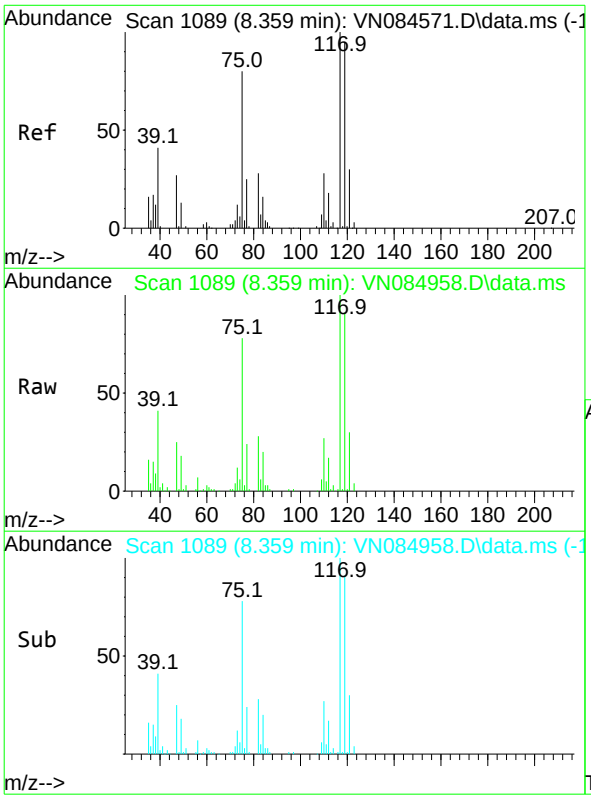
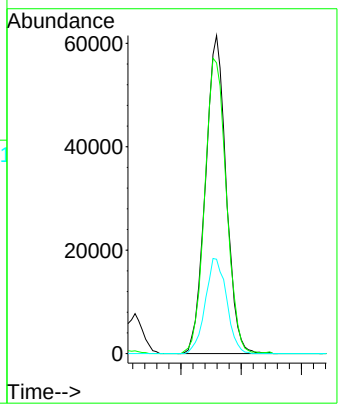
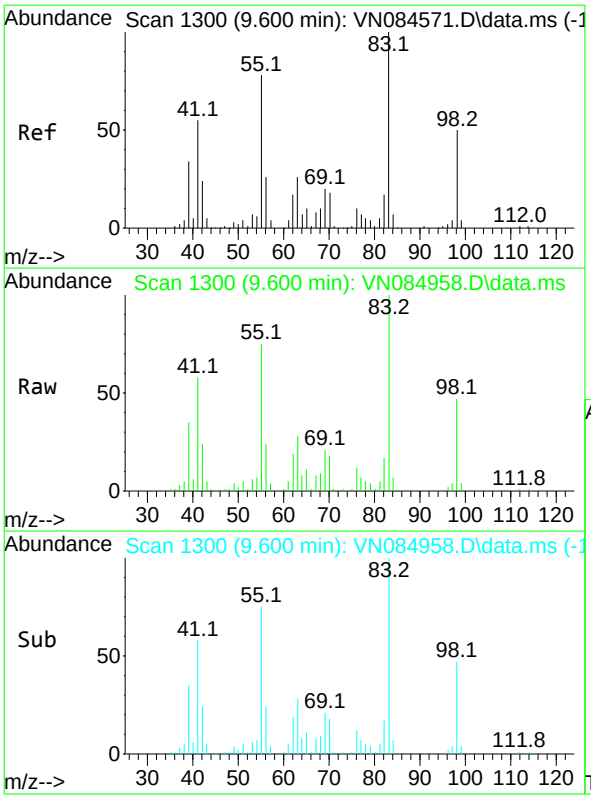


#38
Carbon Tetrachloride
Concen: 53.274 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:117 Resp: 146903

Ion	Ratio	Lower	Upper
117	100		
119	91.4	78.7	118.1
121	29.7	24.4	36.6

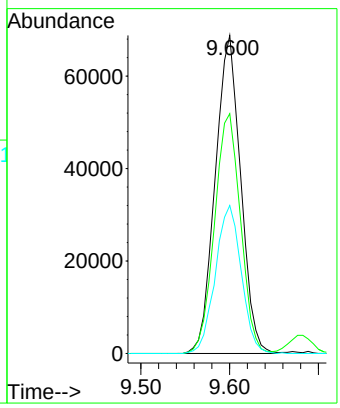




#39
Methylcyclohexane
Concen: 54.647 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 83 Resp: 137151

Ion	Ratio	Lower	Upper
83	100		
55	75.4	62.8	94.2
98	46.5	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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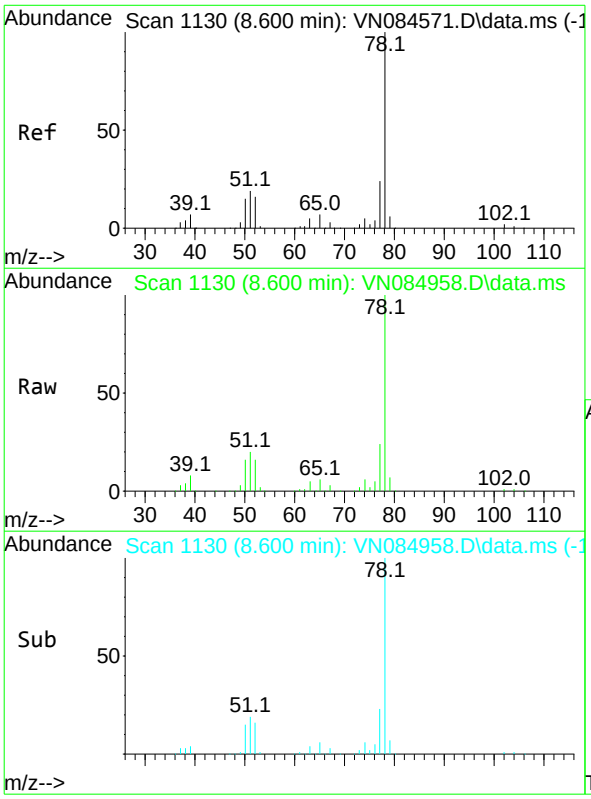
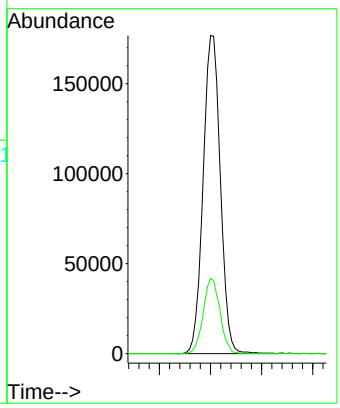
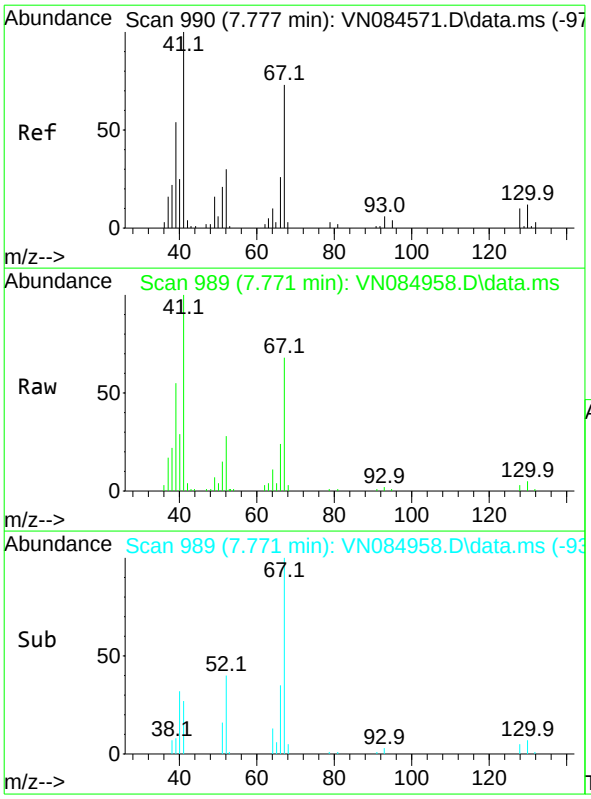


#40
Benzene
Concen: 52.199 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 78 Resp: 413561

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.1	28.7

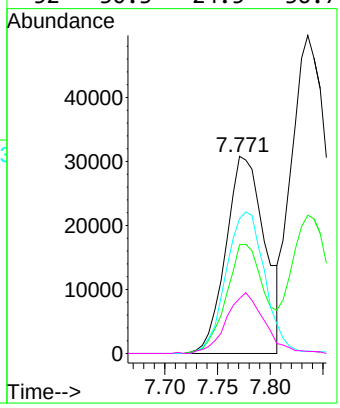




#41
Methacrylonitrile
Concen: 65.730 ug/l
RT: 7.771 min Scan# 98
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 41 Resp: 79117

Ion	Ratio	Lower	Upper
41	100		
39	54.5	43.3	64.9
67	71.6	56.1	84.1
52	30.3	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
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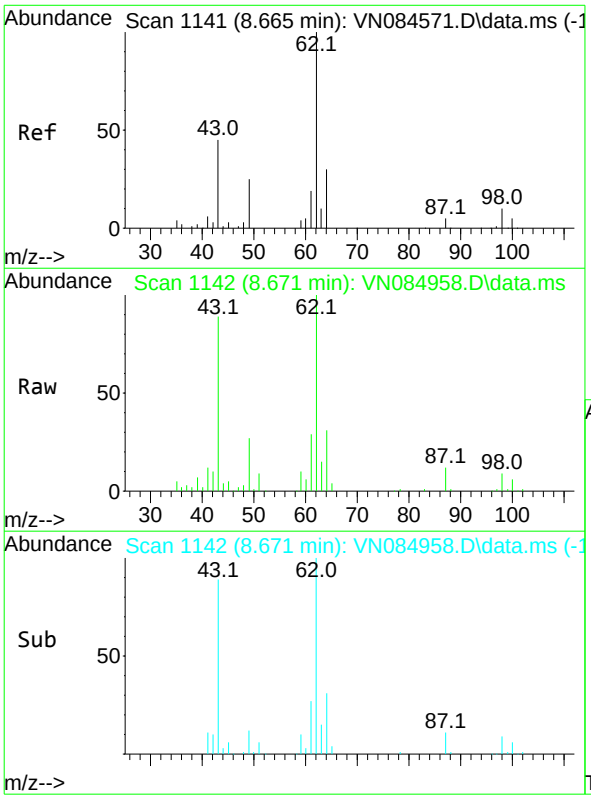
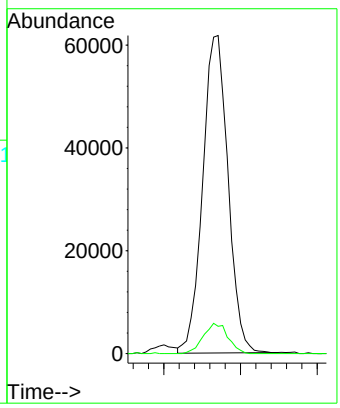
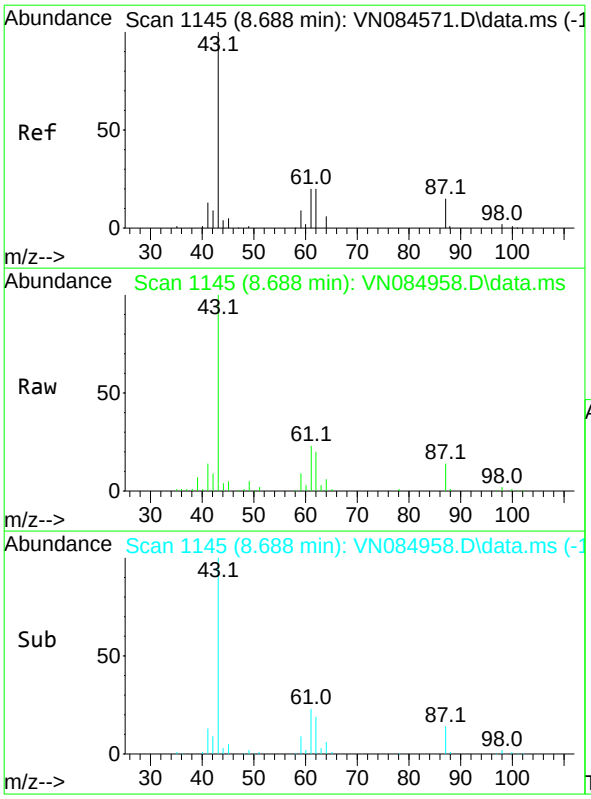


#42
1,2-Dichloroethane
Concen: 55.202 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 62 Resp: 141640

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2

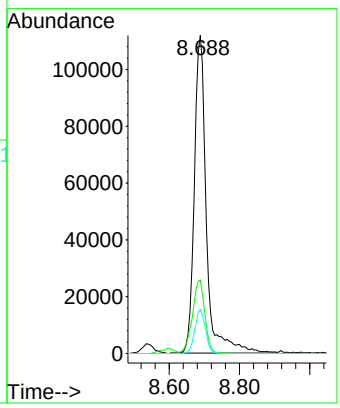




#43
Isopropyl Acetate
Concen: 64.915 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 43 Resp: 267240

Ion	Ratio	Lower	Upper
43	100		
61	23.8	20.4	30.6
87	12.1	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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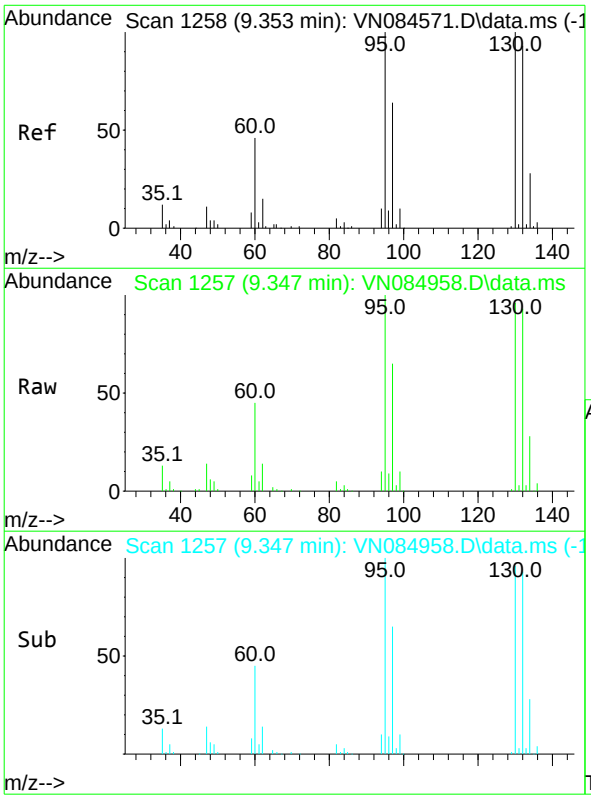
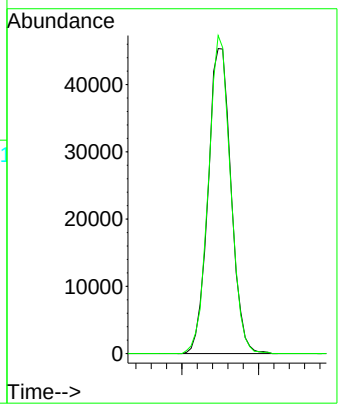
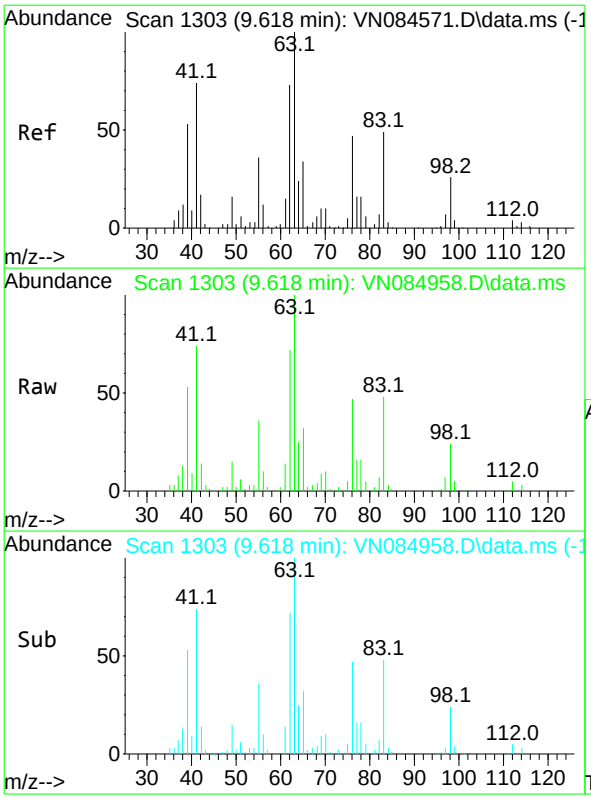


#44
Trichloroethene
Concen: 51.687 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:130 Resp: 94441

Ion	Ratio	Lower	Upper
130	100		
95	104.3	0.0	203.0

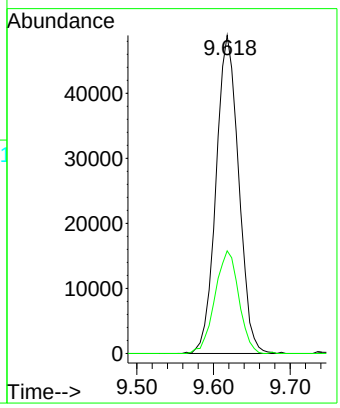




#45
1,2-Dichloropropane
Concen: 53.888 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 63 Resp: 100152

Ion	Ratio	Lower	Upper
63	100		
65	32.3	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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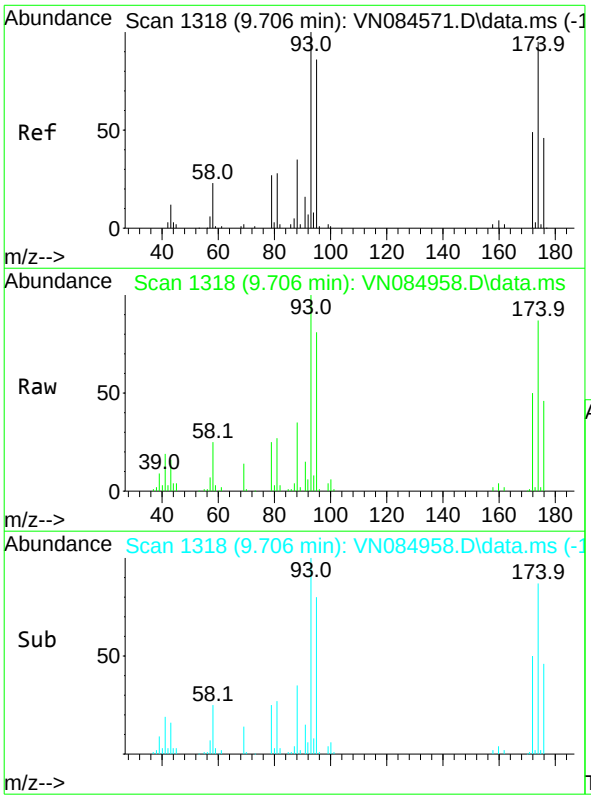
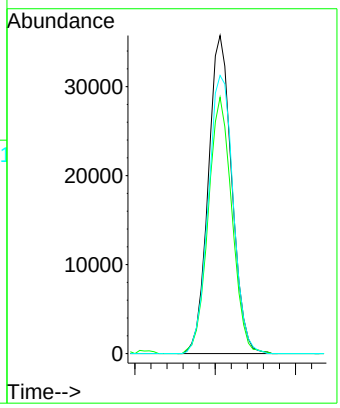
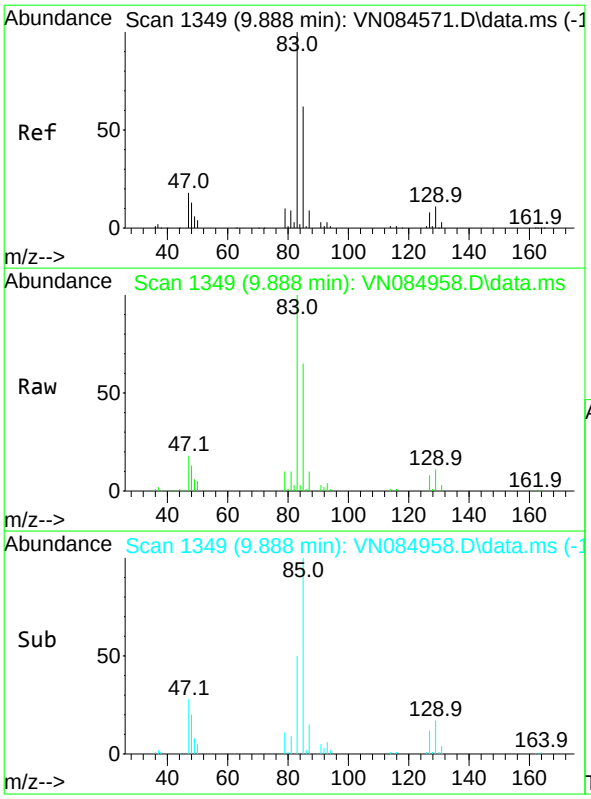


#46
Dibromomethane
Concen: 55.425 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 93 Resp: 72686

Ion	Ratio	Lower	Upper
93	100		
95	81.1	65.0	97.4
174	92.4	71.8	107.8

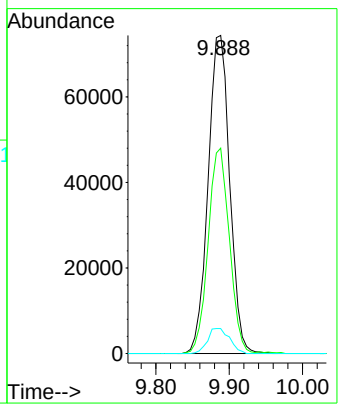




#47
Bromodichloromethane
Concen: 54.940 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 83 Resp: 151877

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.5	77.3
127	7.8	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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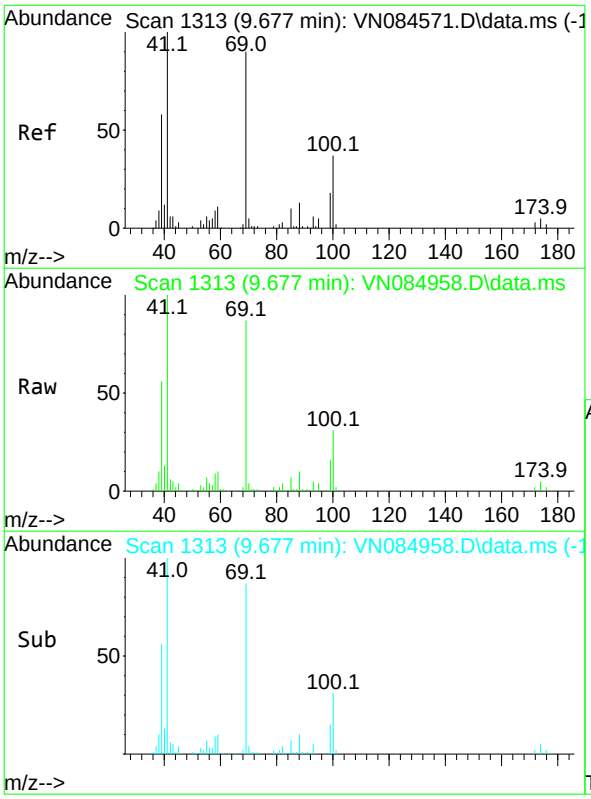
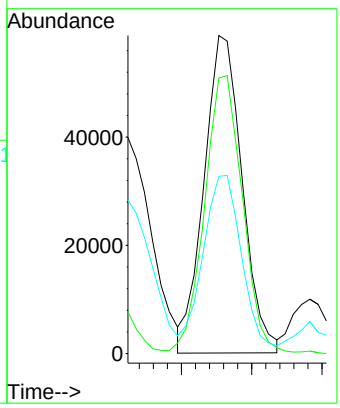
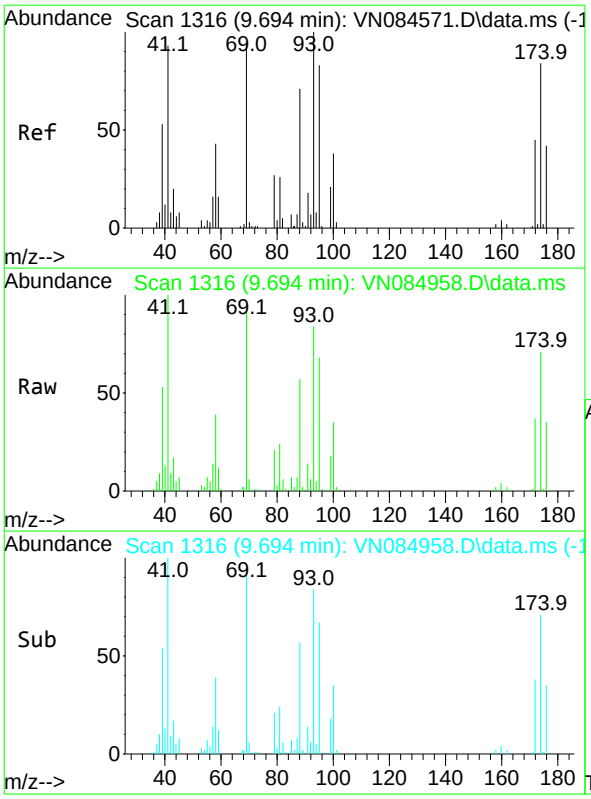


#48
Methyl methacrylate
Concen: 63.558 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 41 Resp: 110720

Ion	Ratio	Lower	Upper
41	100		
69	87.2	67.1	100.7
39	57.6	45.8	68.6

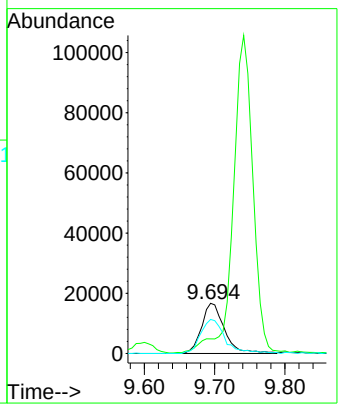




#49
1,4-Dioxane
Concen: 1221.395 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 88 Resp: 37704

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	72.8	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
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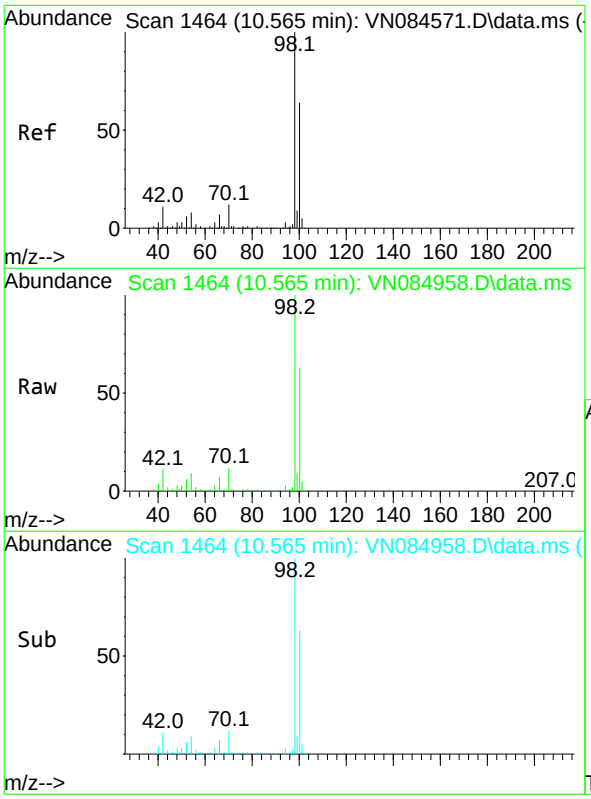
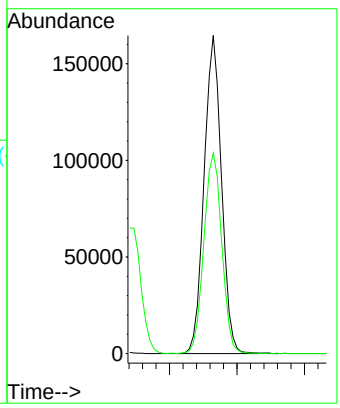
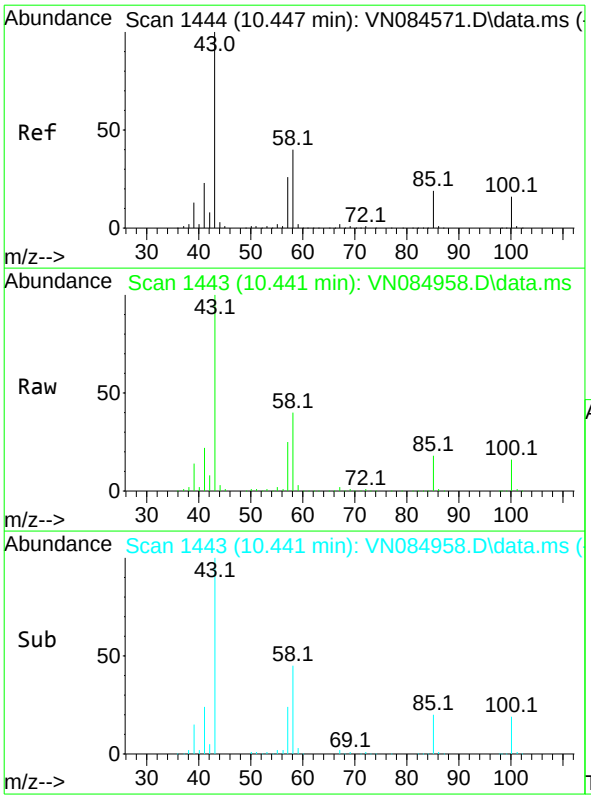


#50
Toluene-d8
Concen: 44.891 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 98 Resp: 294155

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.7	79.1

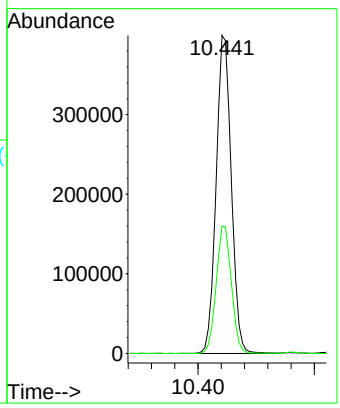




#51
4-Methyl-2-Pentanone
Concen: 338.982 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 43 Resp: 723314

Ion	Ratio	Lower	Upper
43	100		
58	40.2	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
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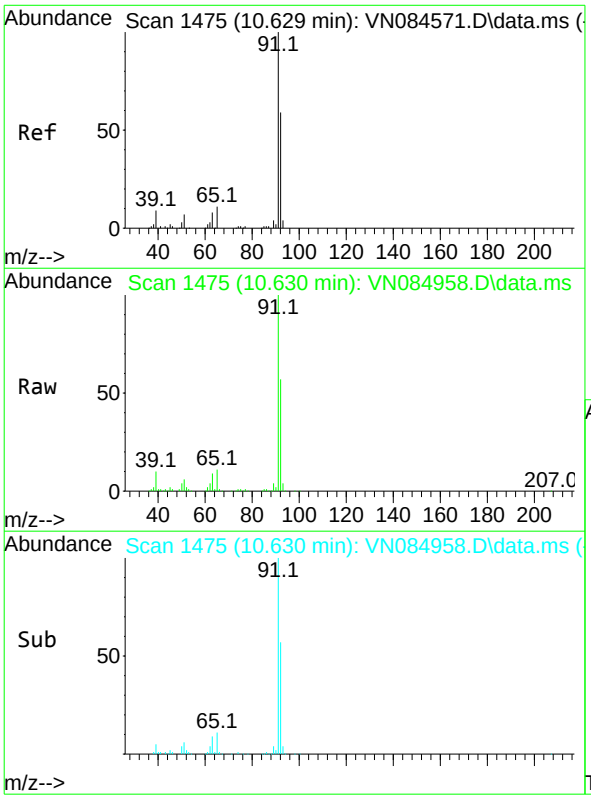
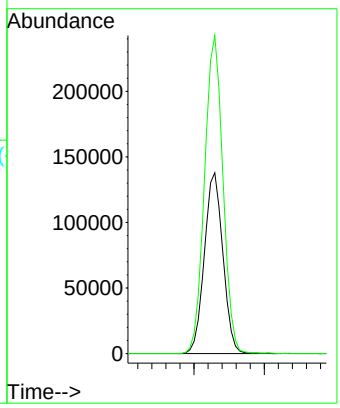
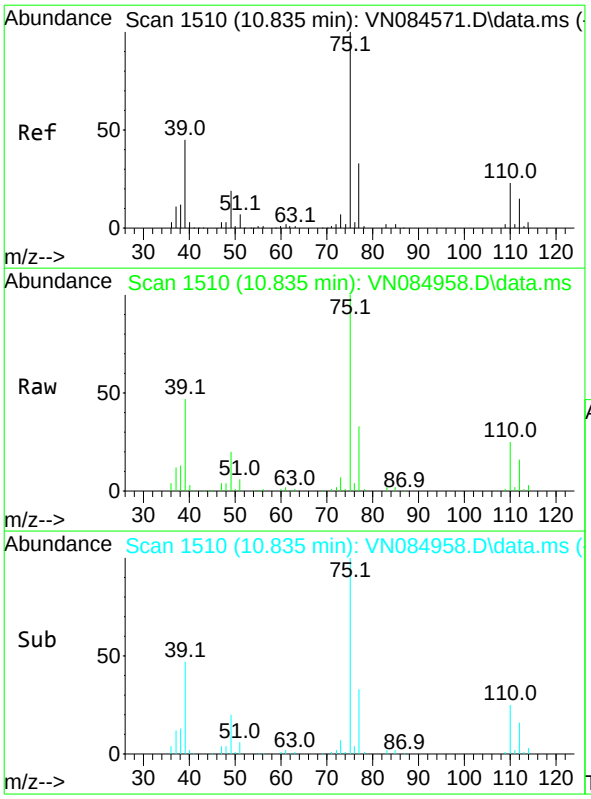


#52
Toluene
Concen: 54.469 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 92 Resp: 252390

Ion	Ratio	Lower	Upper
92	100		
91	174.6	137.3	205.9

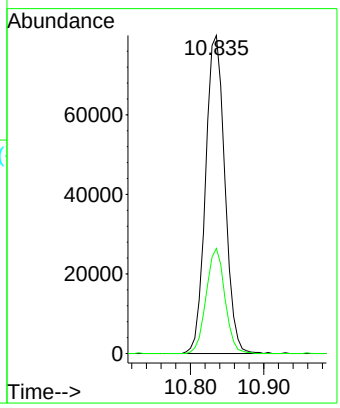




#53
t-1,3-Dichloropropene
Concen: 50.939 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 75 Resp: 145760

Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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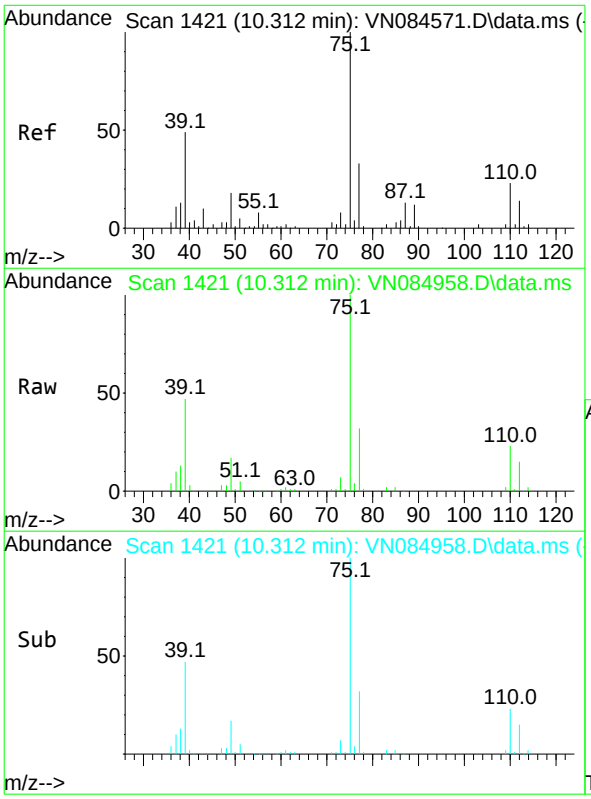
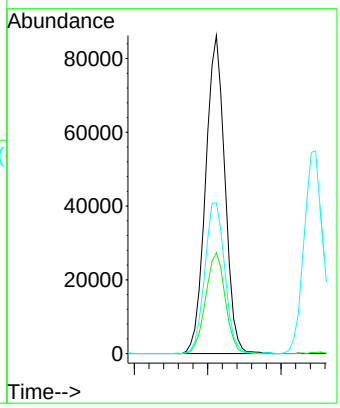
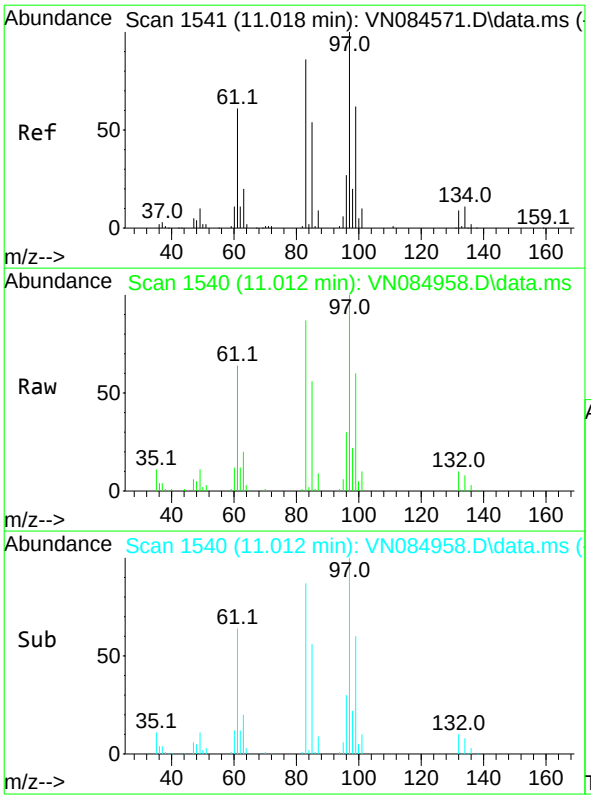


#54
cis-1,3-Dichloropropene
Concen: 52.060 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 75 Resp: 157666

Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.2	36.2
39	47.4	38.7	58.1

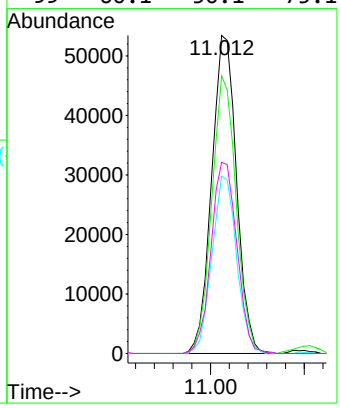




#55
1,1,2-Trichloroethane
Concen: 56.465 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 97 Resp: 98556

Ion	Ratio	Lower	Upper
97	100		
83	87.3	71.0	106.4
85	55.8	41.7	62.5
99	60.1	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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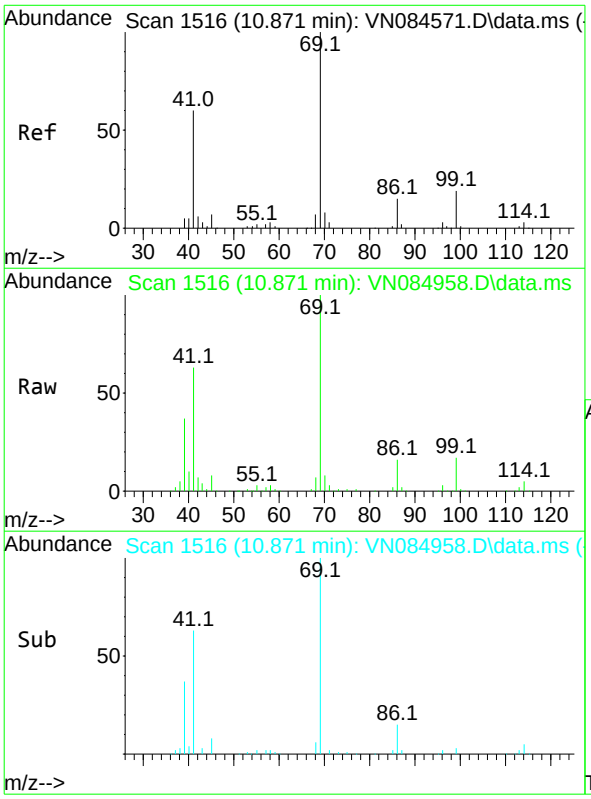
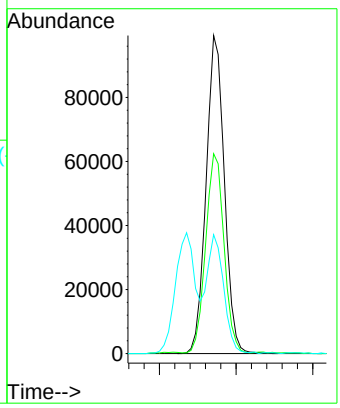
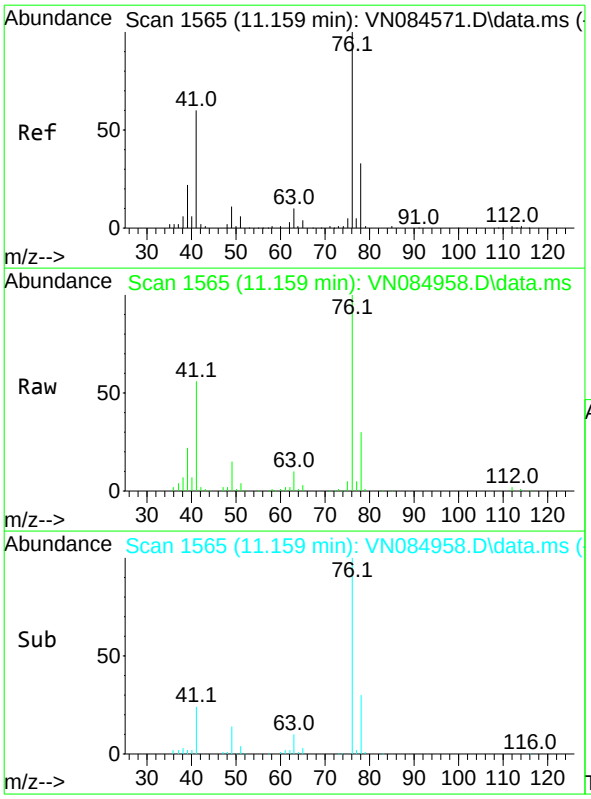


#56
Ethyl methacrylate
Concen: 64.993 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 69 Resp: 164088

Ion	Ratio	Lower	Upper
69	100		
41	62.8	53.3	79.9
39	35.1	28.8	43.2

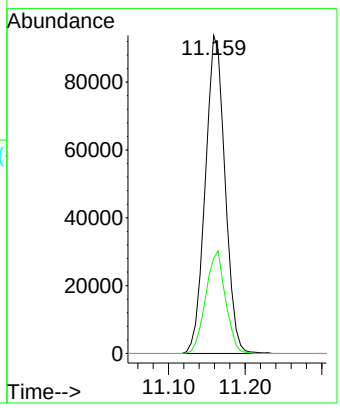




#57
1,3-Dichloropropane
Concen: 55.879 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 76 Resp: 167387

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.6



Instrument :
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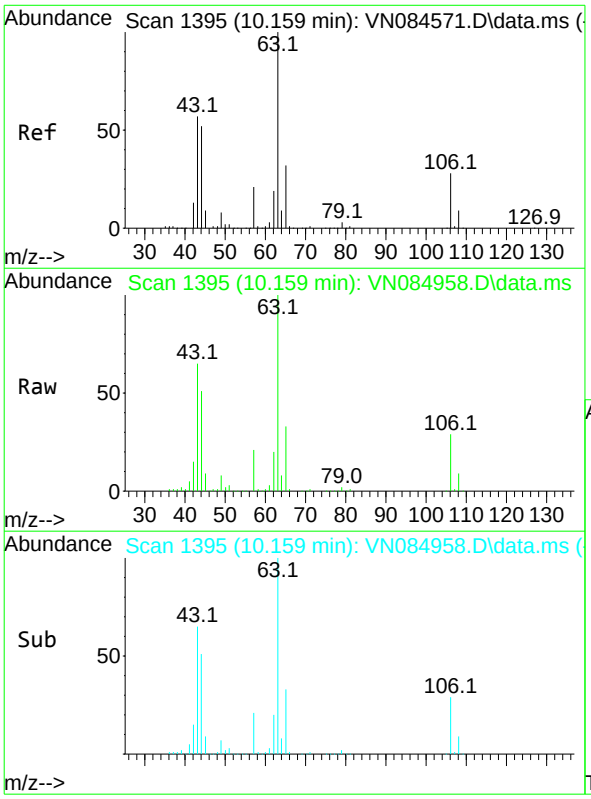
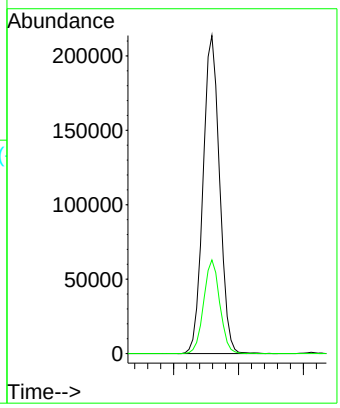
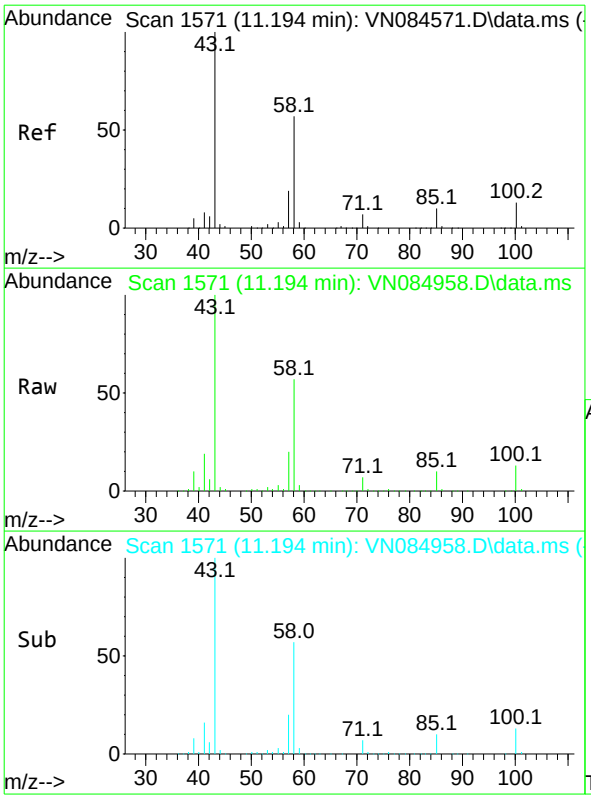


#58
2-Chloroethyl Vinyl ether
Concen: 319.637 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 63 Resp: 377615

Ion	Ratio	Lower	Upper
63	100		
106	28.7	21.8	32.6

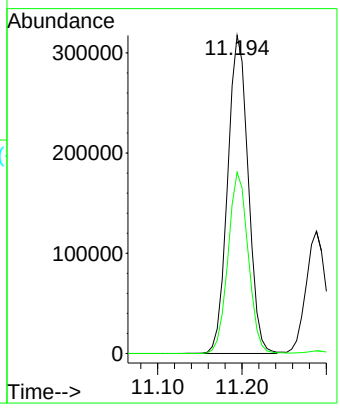




#59
2-Hexanone
Concen: 345.210 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 43 Resp: 536162

Ion	Ratio	Lower	Upper
43	100		
58	55.9	27.3	81.8



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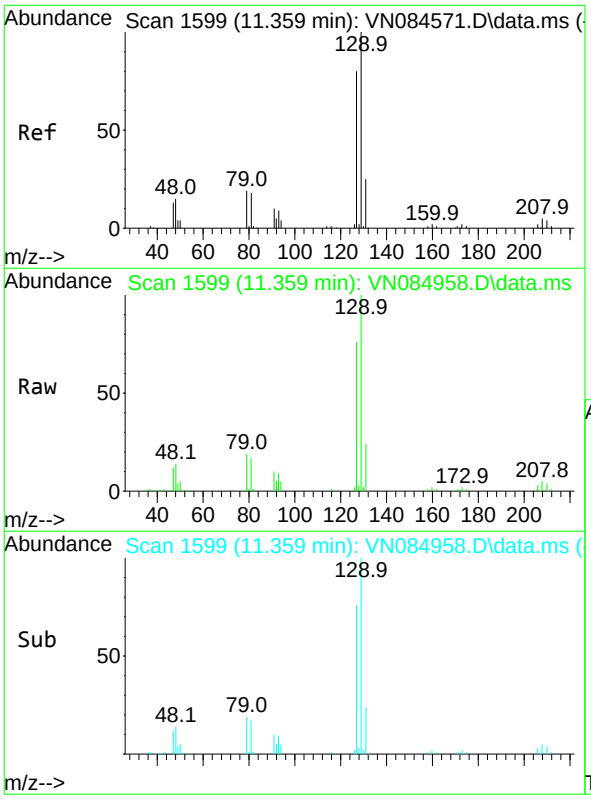
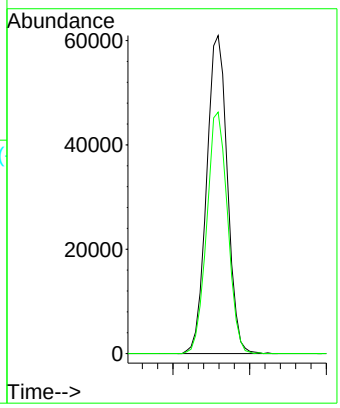
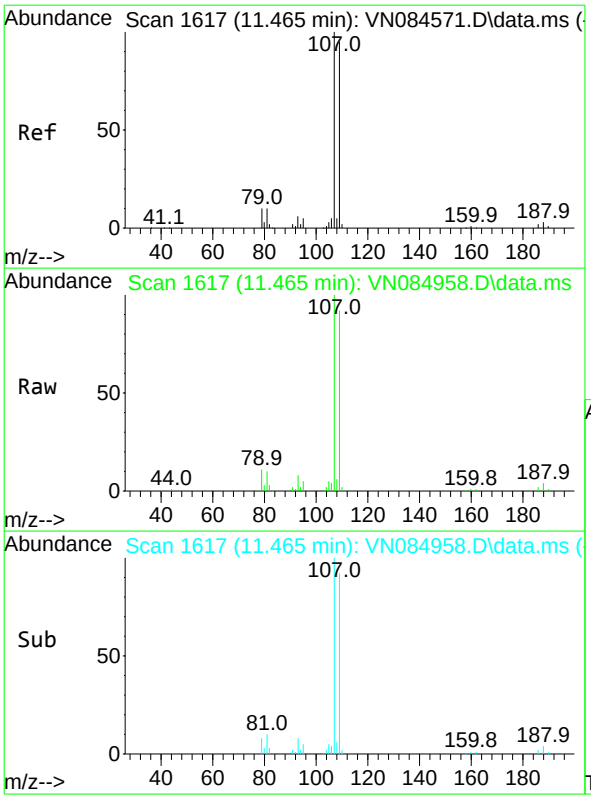


#60
Dibromochloromethane
Concen: 57.532 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:129 Resp: 114446

Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.3	114.9

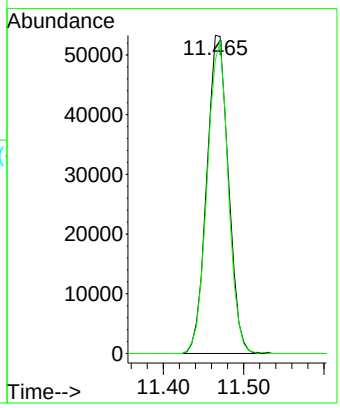




#61
1,2-Dibromoethane
Concen: 55.900 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:107 Resp: 99914

Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.4	113.0



Instrument :
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ClientSampleId :
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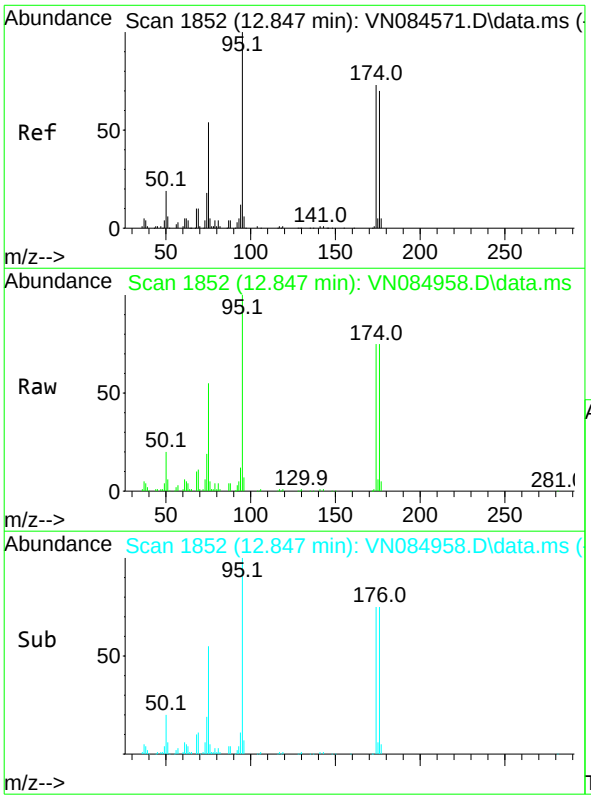
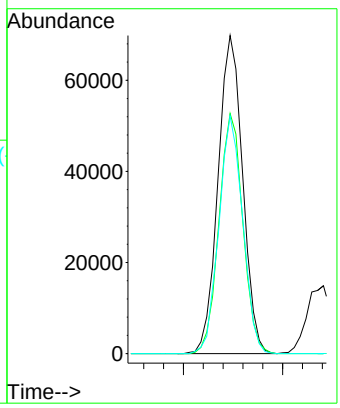
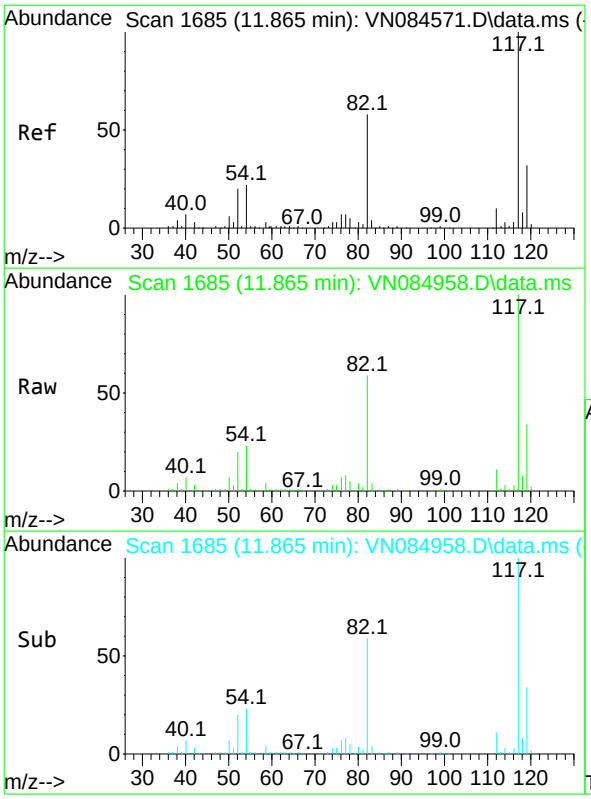


#62
4-Bromofluorobenzene
Concen: 49.136 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 95 Resp: 120331

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	145.2
176	72.1	0.0	140.0

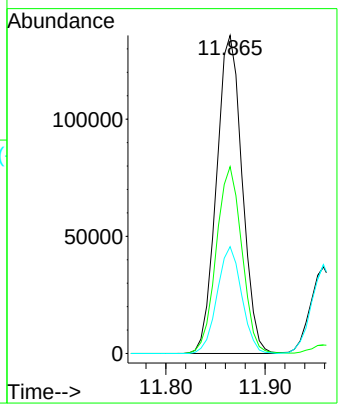




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:117 Resp: 243763

Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.2	70.8
119	33.6	25.4	38.0



Instrument :
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ClientSampleId :
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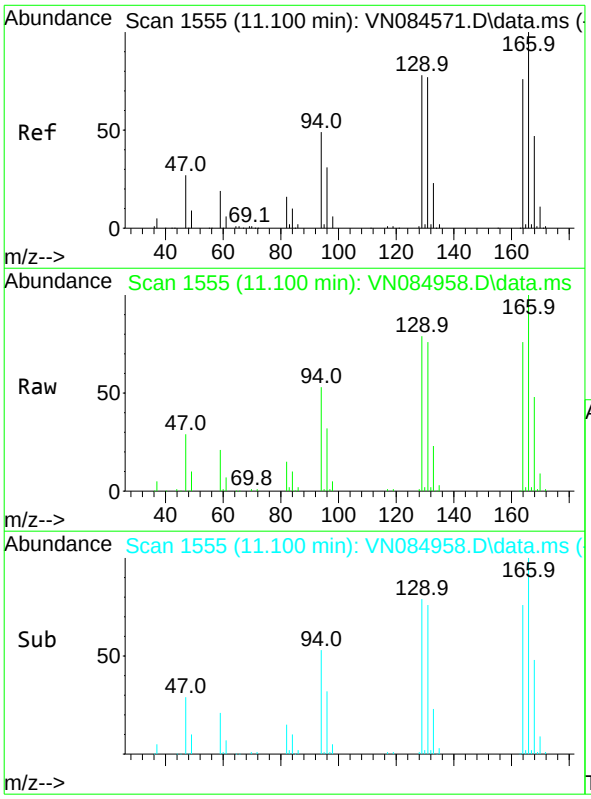
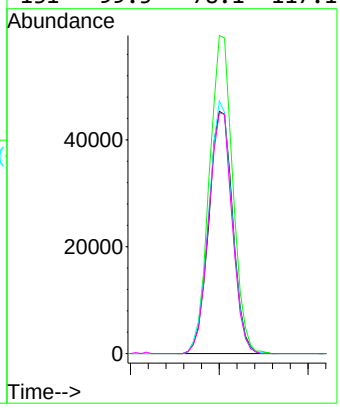
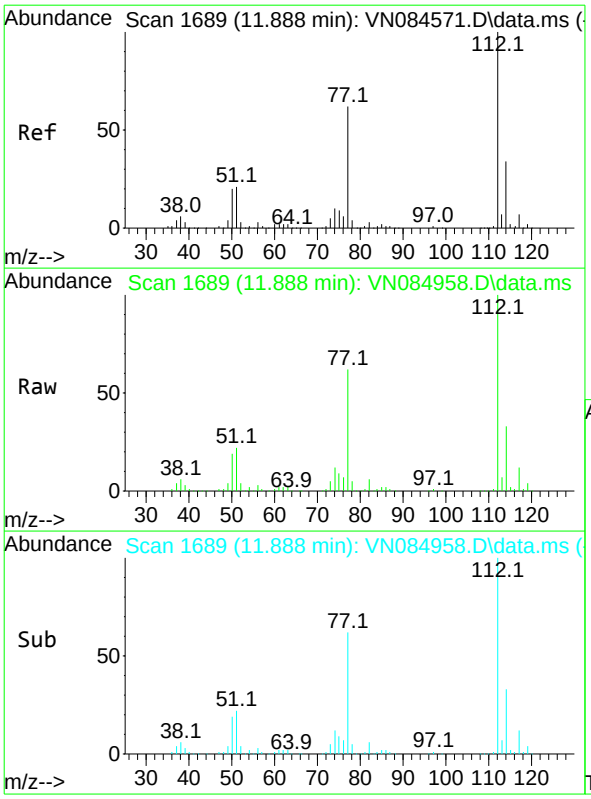


#64
Tetrachloroethene
Concen: 52.479 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:164 Resp: 85091

Ion	Ratio	Lower	Upper
164	100		
166	131.3	101.0	151.4
129	104.2	80.8	121.2
131	99.5	78.1	117.1

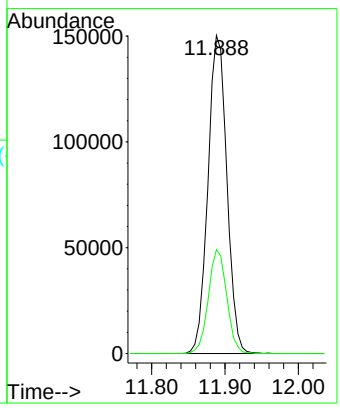




#65
Chlorobenzene
Concen: 49.397 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:112 Resp: 269382

Ion	Ratio	Lower	Upper
112	100		
114	32.6	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
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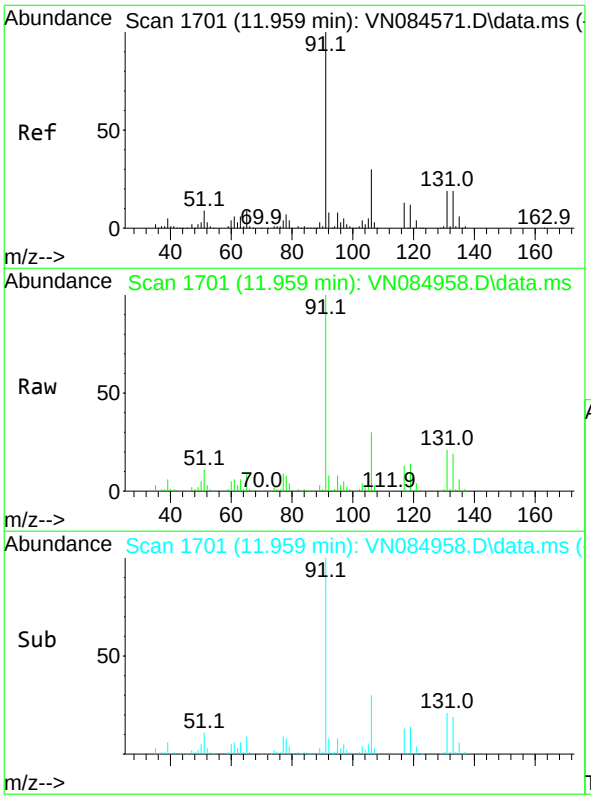
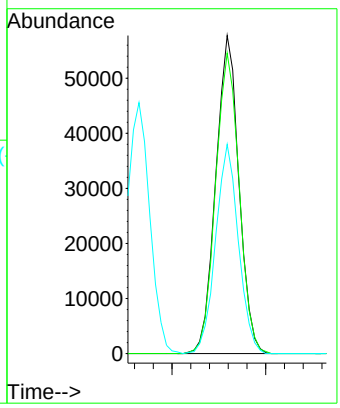
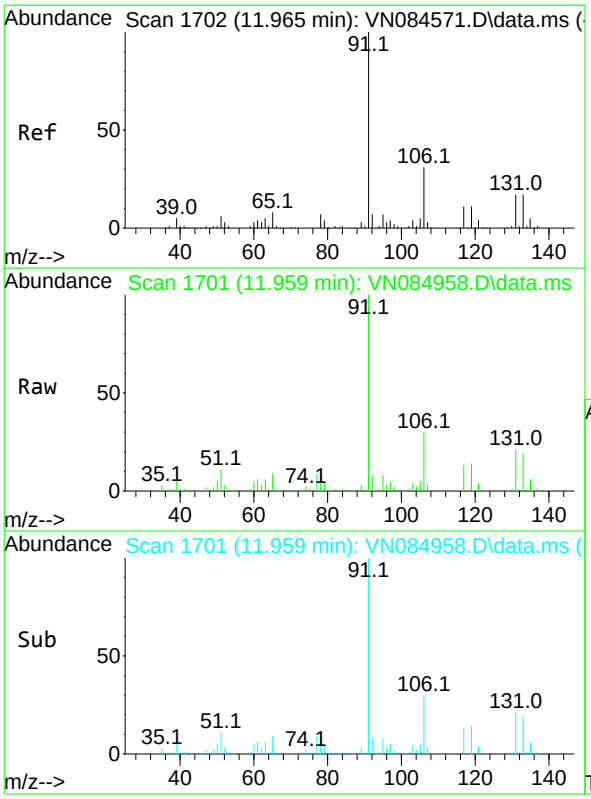


#66
1,1,1,2-Tetrachloroethane
Concen: 52.198 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:131 Resp: 99013

Ion	Ratio	Lower	Upper
131	100		
133	96.4	47.9	143.7
119	64.8	32.8	98.3

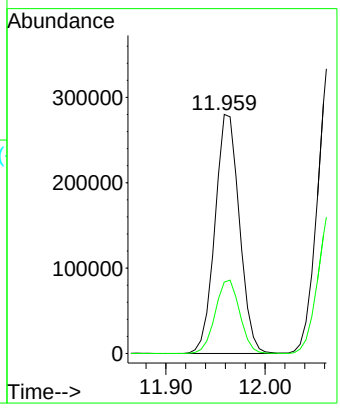




#67
Ethyl Benzene
Concen: 52.693 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 91 Resp: 479657

Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.5	36.7



Instrument :
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ClientSampleId :
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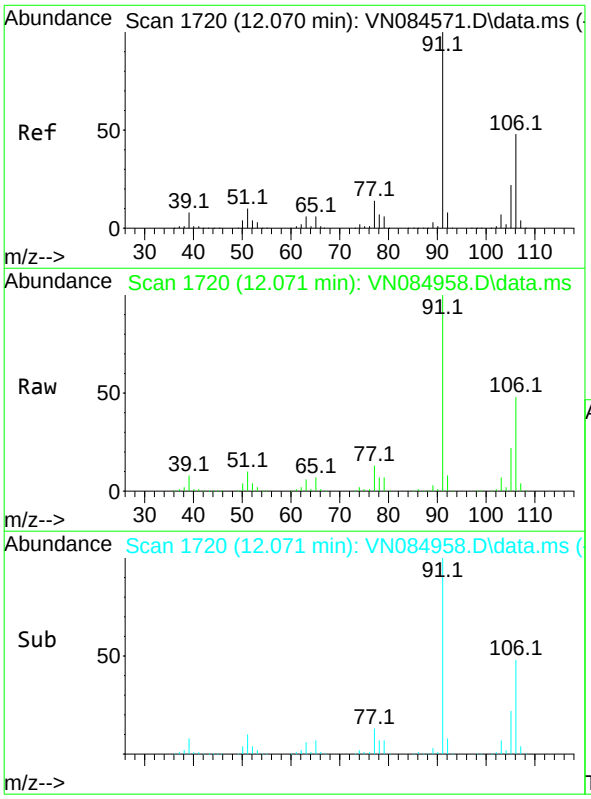
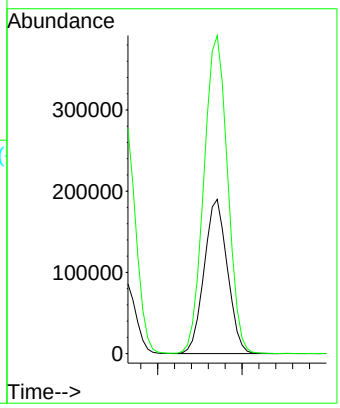
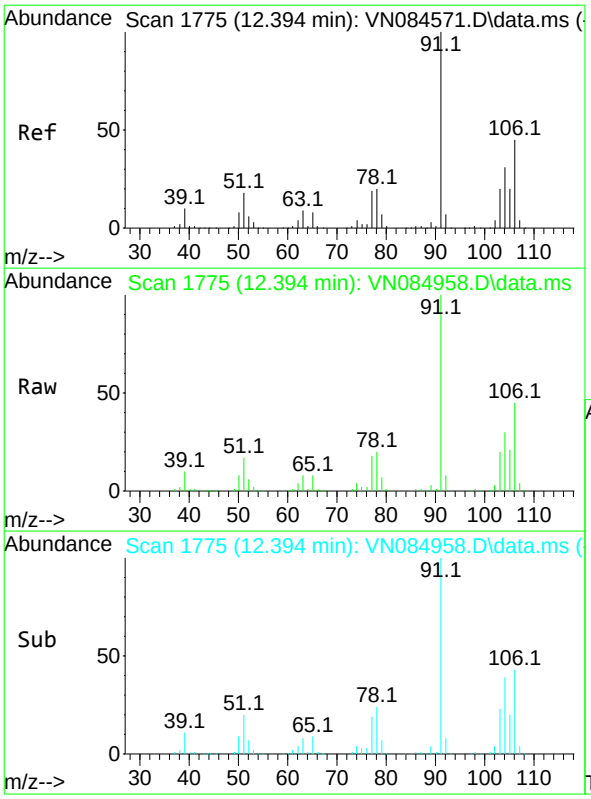


#68
m/p-Xylenes
Concen: 105.283 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:106 Resp: 362832

Ion	Ratio	Lower	Upper
106	100		
91	210.5	167.1	250.7

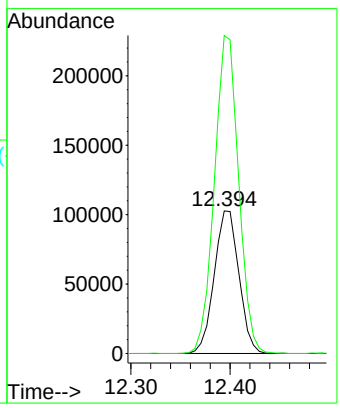




#69
o-Xylene
Concen: 55.054 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:106 Resp: 177487

Ion	Ratio	Lower	Upper
106	100		
91	219.4	110.2	330.6



Instrument :
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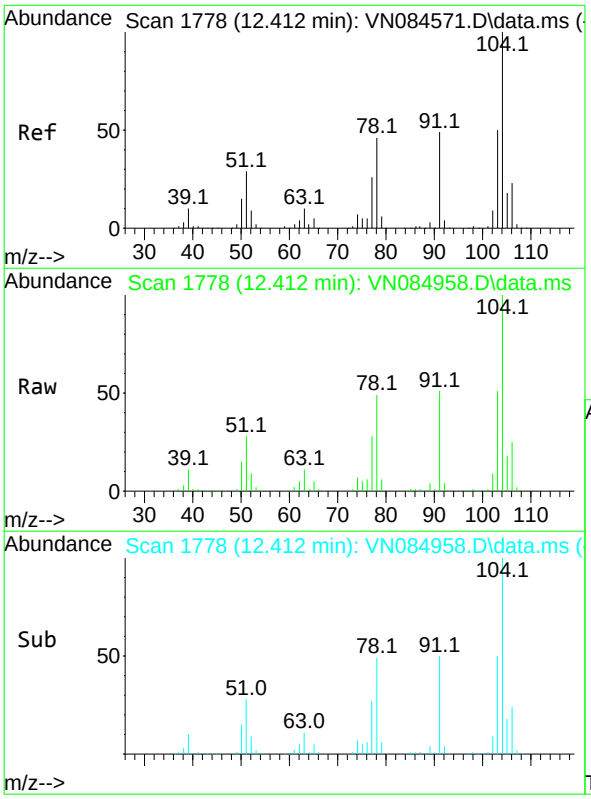
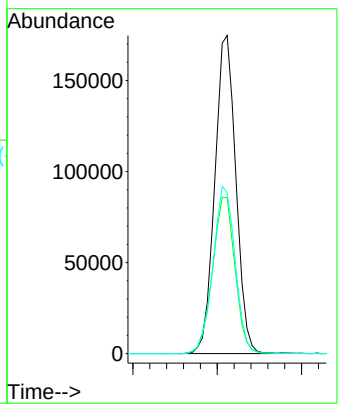
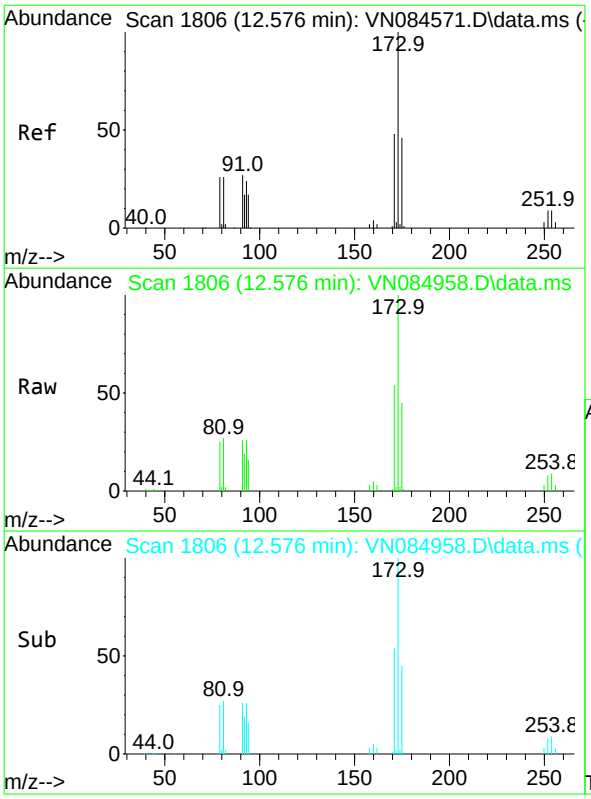


#70
Styrene
Concen: 53.903 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:104 Resp: 303144

Ion	Ratio	Lower	Upper
104	100		
78	52.6	42.7	64.1
103	55.1	43.6	65.4

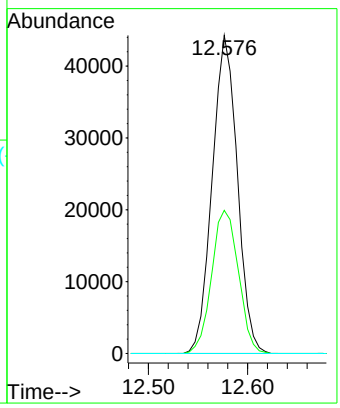




#71
Bromoform
Concen: 54.478 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:173 Resp: 77759

Ion	Ratio	Lower	Upper
173	100		
175	48.0	23.5	70.6
254	0.0	0.0	0.0



Instrument :
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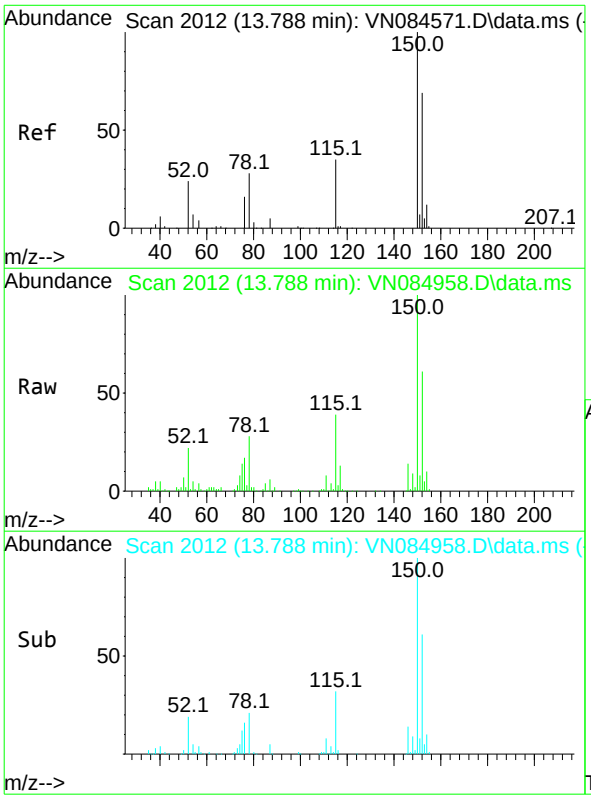
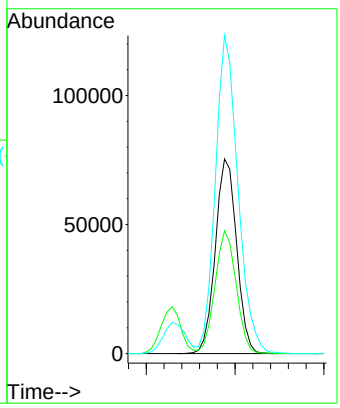
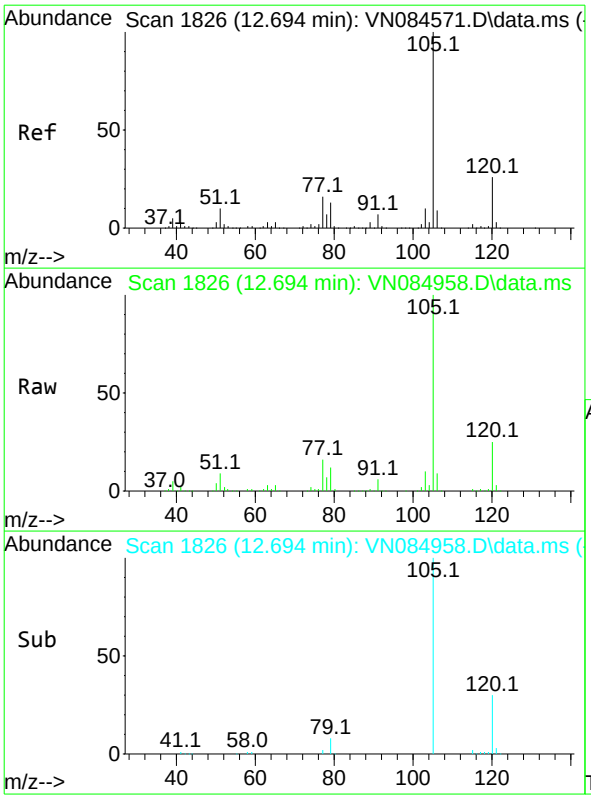


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:152 Resp: 125759

Ion	Ratio	Lower	Upper
152	100		
115	62.6	31.3	93.9
150	173.9	0.0	349.8

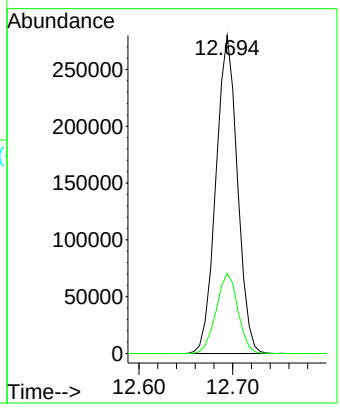




#73
Isopropylbenzene
Concen: 50.648 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:105 Resp: 446353

Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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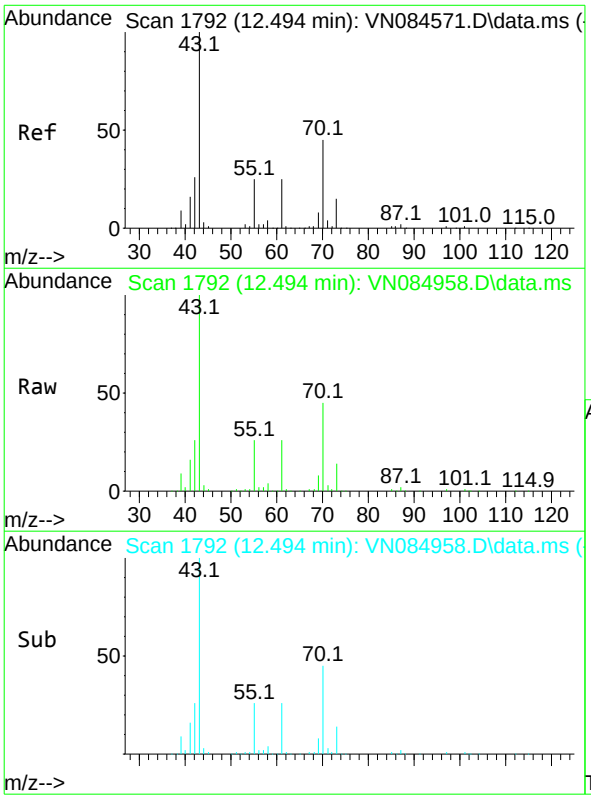
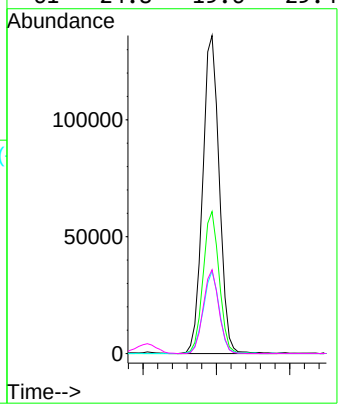
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

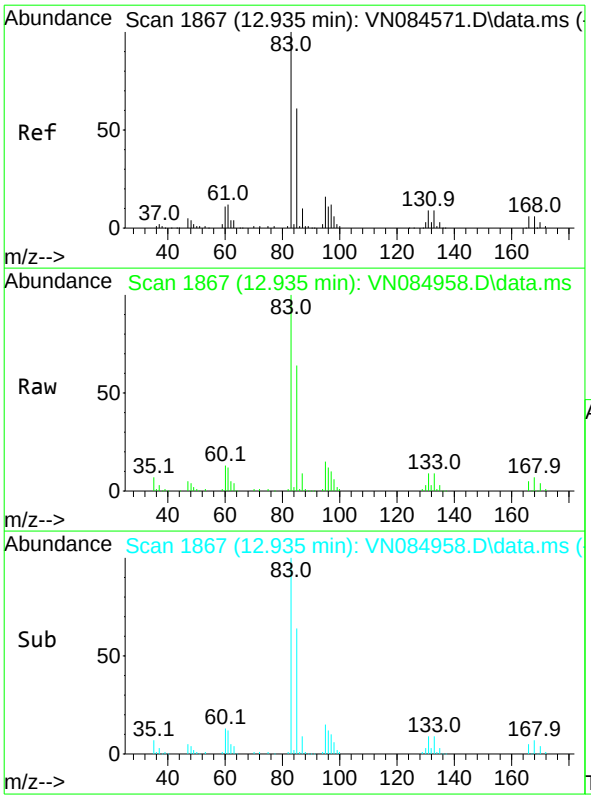


#74
N-amyl acetate
Concen: 57.023 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 43 Resp: 213889

Ion	Ratio	Lower	Upper
43	100		
70	43.2	34.4	51.6
55	24.9	19.6	29.4
61	24.8	19.6	29.4

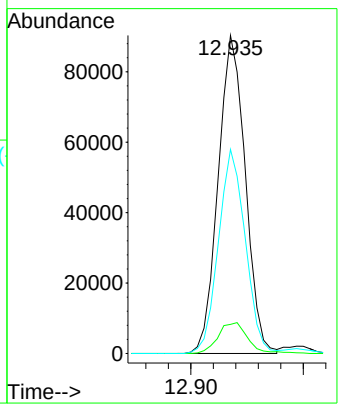




#75
1,1,2,2-Tetrachloroethane
Concen: 51.429 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 83 Resp: 151284

Ion	Ratio	Lower	Upper
83	100		
131	10.7	4.9	14.7
85	63.5	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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Reviewed By :John Carlone 11/20/2024
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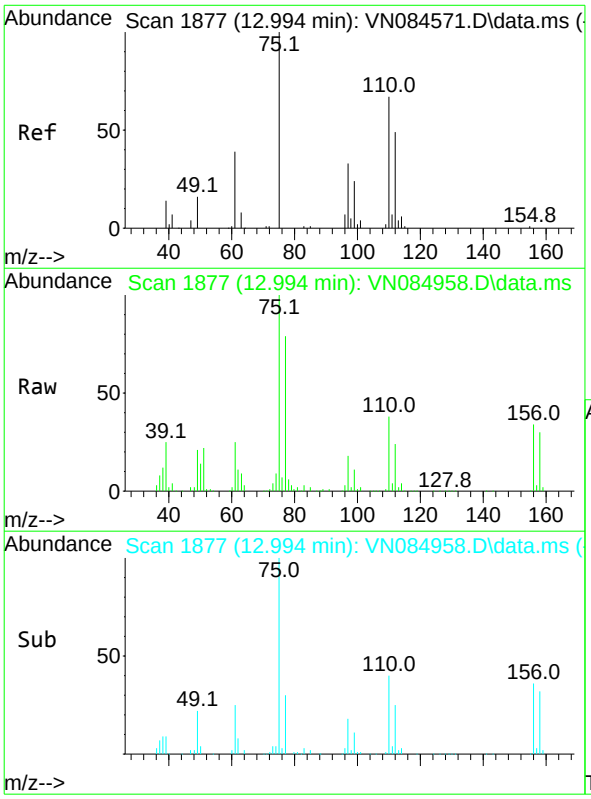
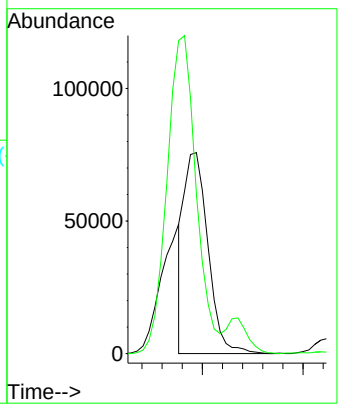
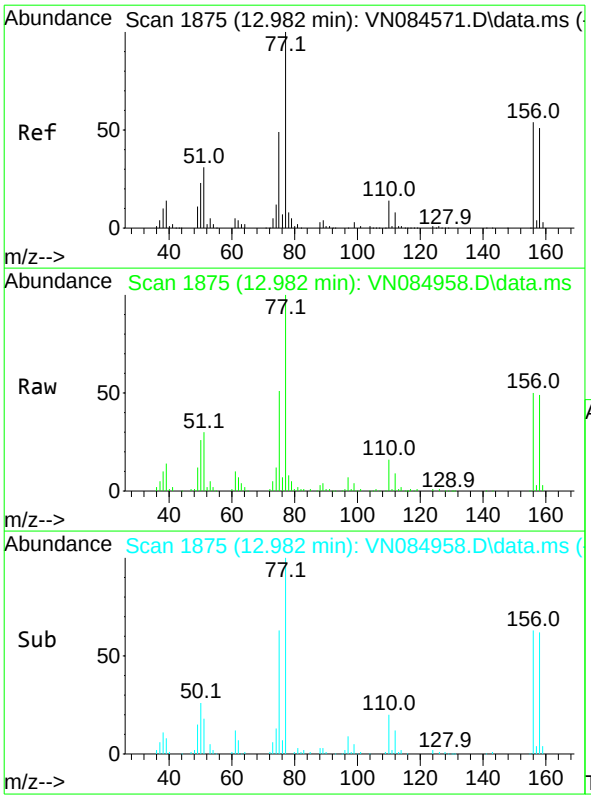


#76
1,2,3-Trichloropropane
Concen: 49.744 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 75 Resp: 125050

Ion	Ratio	Lower	Upper
75	100		
77	193.1	96.9	290.7

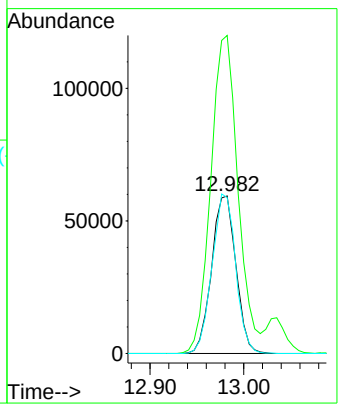




#77
Bromobenzene
Concen: 45.274 ug/l
RT: 12.982 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:156 Resp: 107262

Ion	Ratio	Lower	Upper
156	100		
77	225.1	115.1	345.3
158	98.1	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
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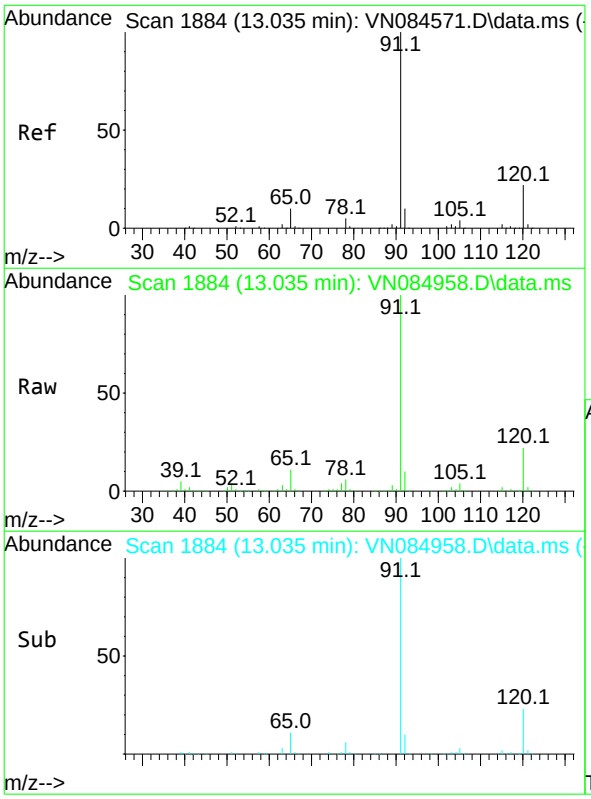
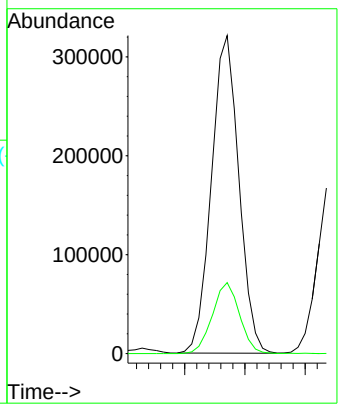
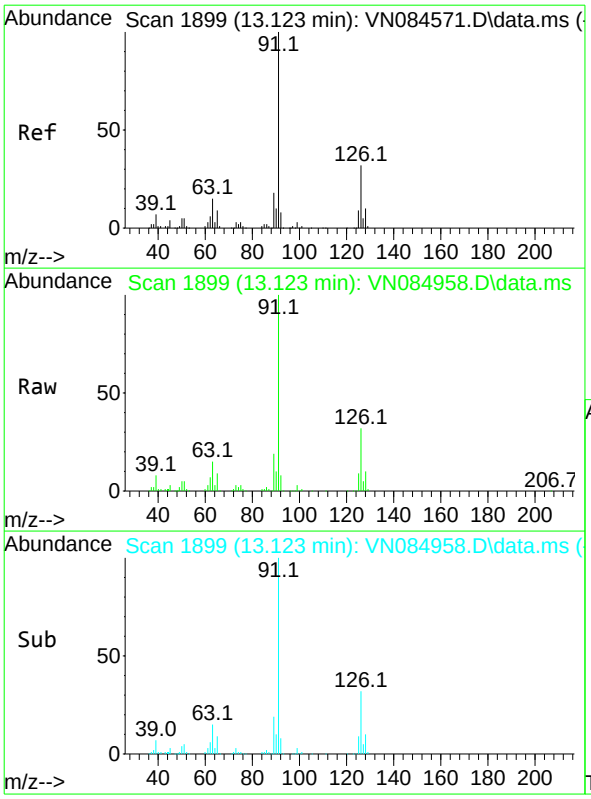


#78
n-propylbenzene
Concen: 49.239 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 91 Resp: 508504

Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.8	32.4

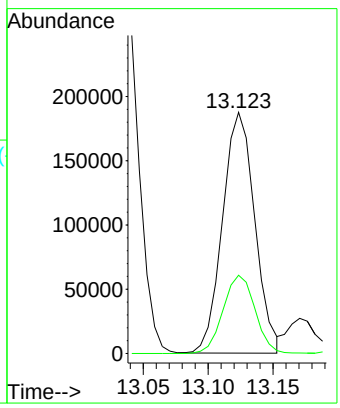




#79
2-Chlorotoluene
Concen: 48.117 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 91 Resp: 324690

Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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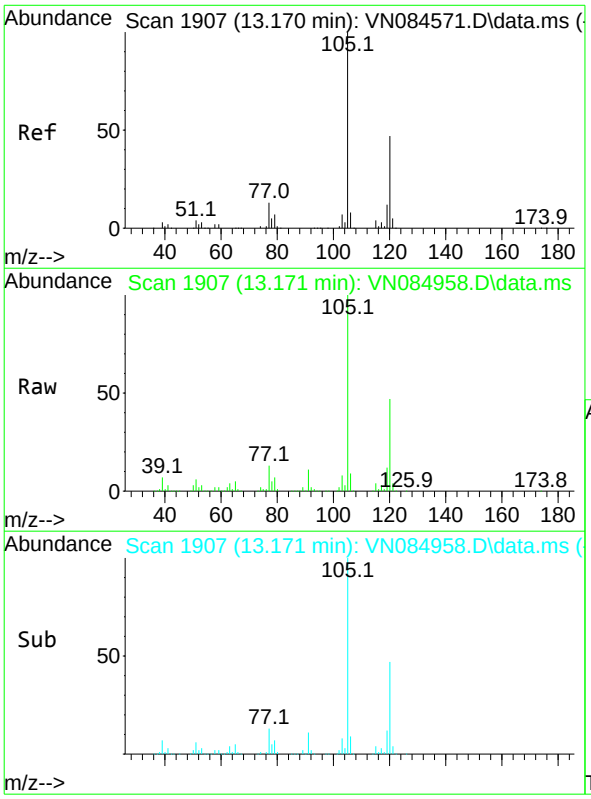
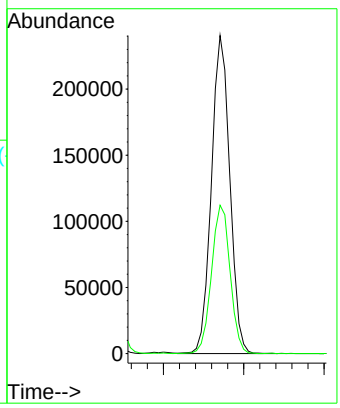
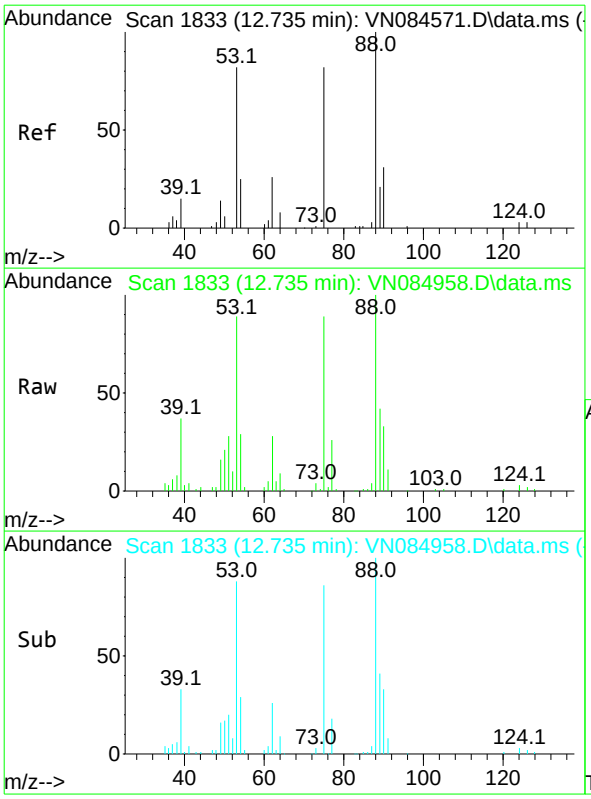


#80
1,3,5-Trimethylbenzene
Concen: 52.364 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:105 Resp: 382483

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.7	71.1

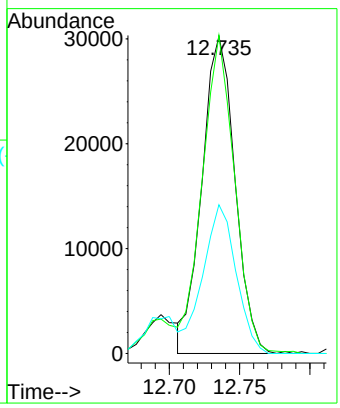




#81
trans-1,4-Dichloro-2-butene
Concen: 46.601 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 75 Resp: 49380

Ion	Ratio	Lower	Upper
75	100		
53	98.1	78.0	117.0
89	47.4	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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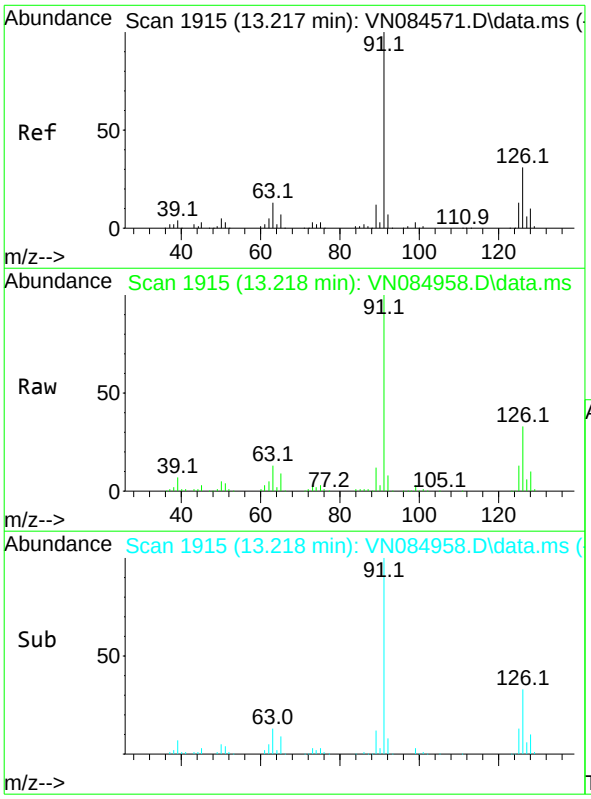
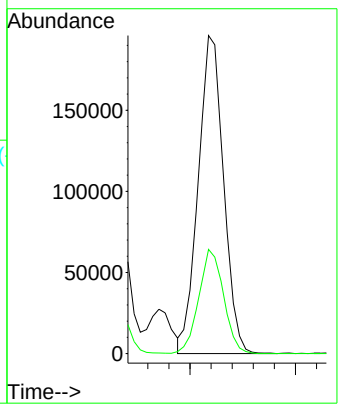
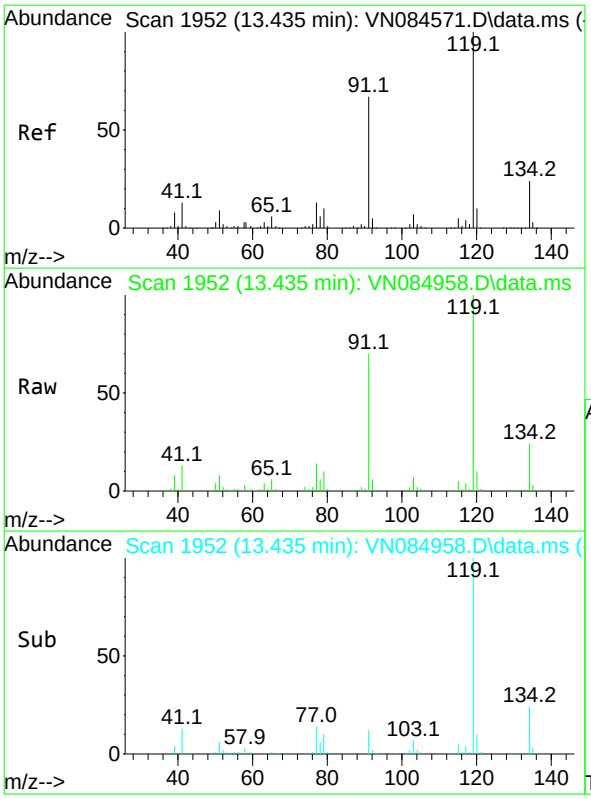


#82
4-Chlorotoluene
Concen: 46.068 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 91 Resp: 327149

Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1

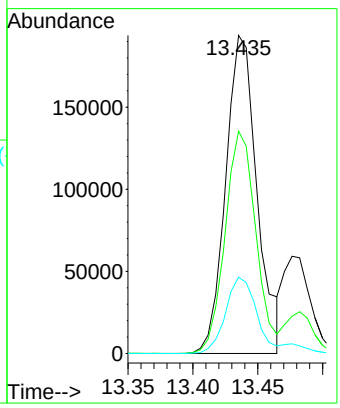




#83
tert-Butylbenzene
Concen: 54.007 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:119 Resp: 326481

Ion	Ratio	Lower	Upper
119	100		
91	68.5	34.1	102.3
134	25.7	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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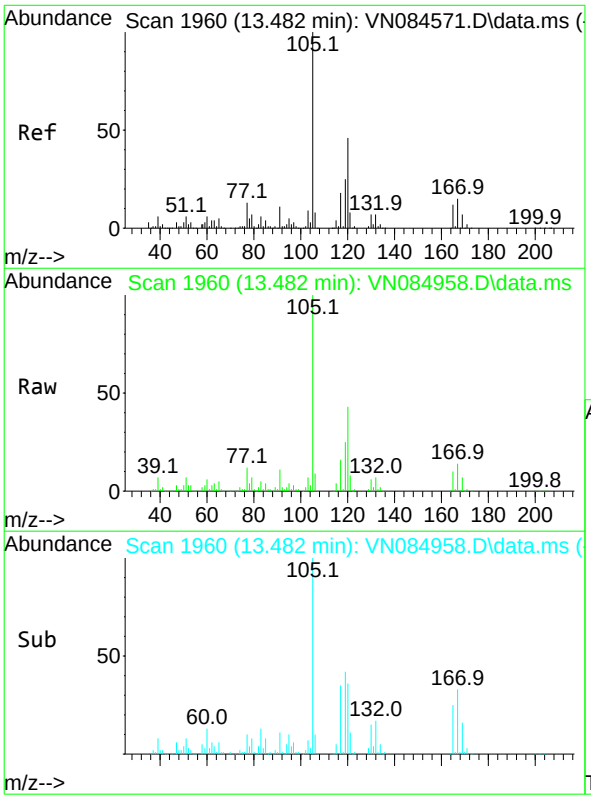
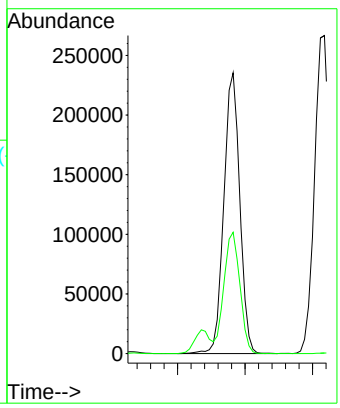
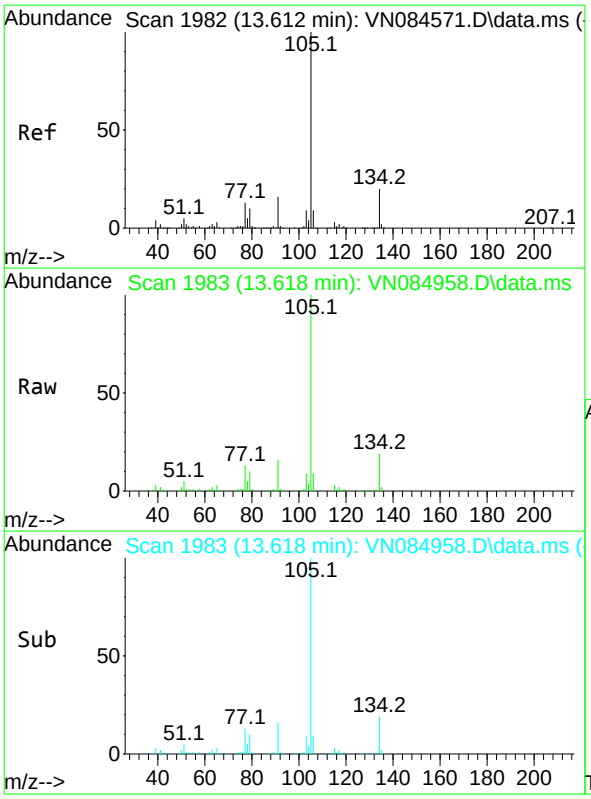


#84
1,2,4-Trimethylbenzene
Concen: 51.293 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:105 Resp: 386682

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.3	66.8

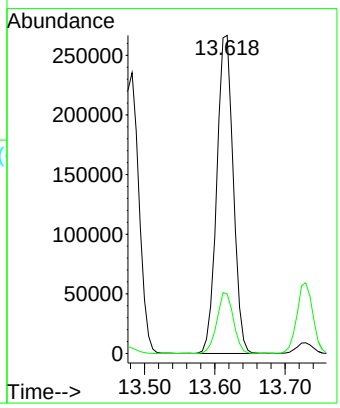




#85
sec-Butylbenzene
Concen: 50.747 ug/l
RT: 13.618 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:105 Resp: 433341

Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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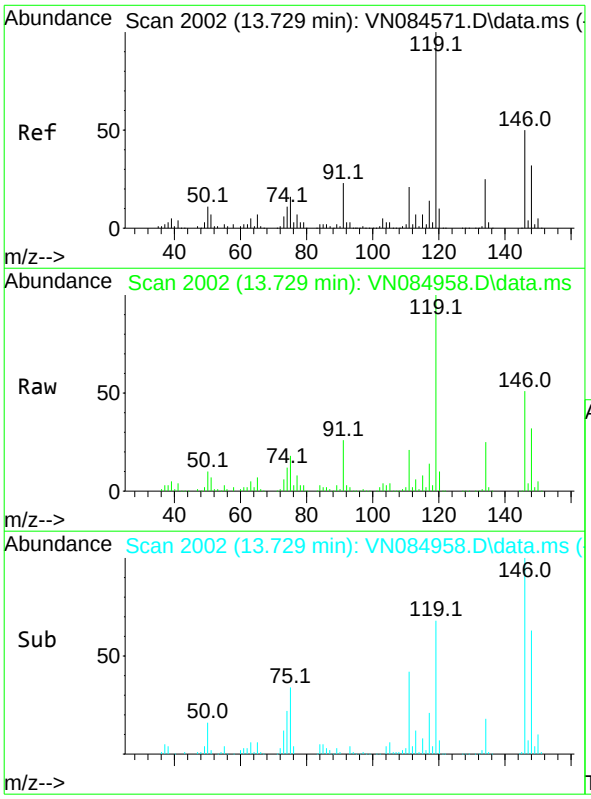
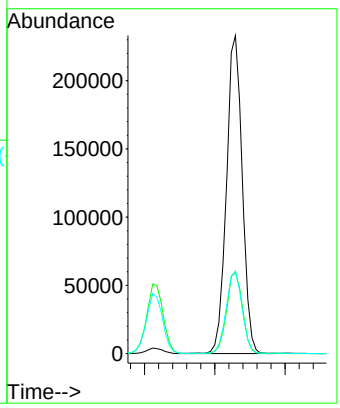
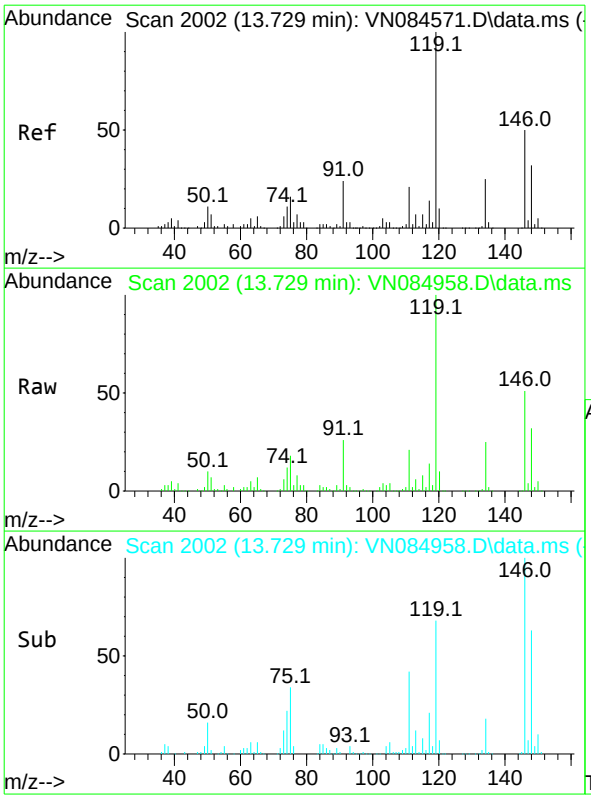


#86
p-Isopropyltoluene
Concen: 51.858 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:119 Resp: 363170

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.6	37.8
91	26.1	12.4	37.2

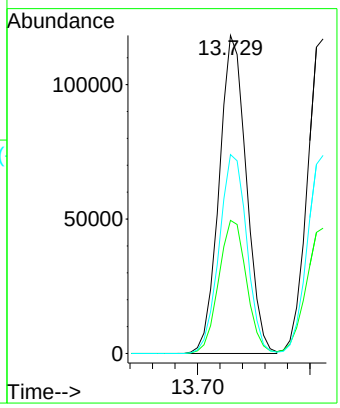




#87
1,3-Dichlorobenzene
Concen: 42.928 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:146 Resp: 198485

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.8	65.3
148	63.7	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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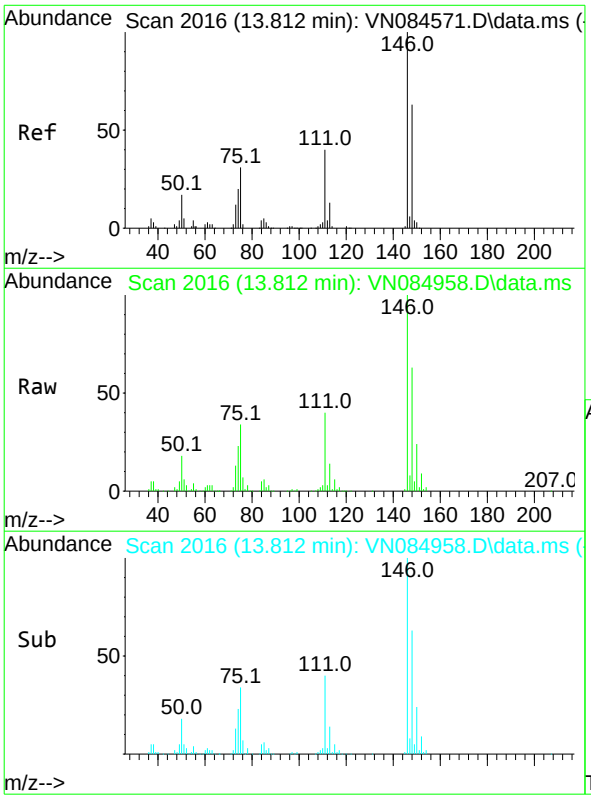
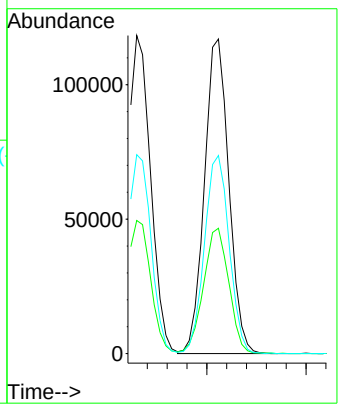
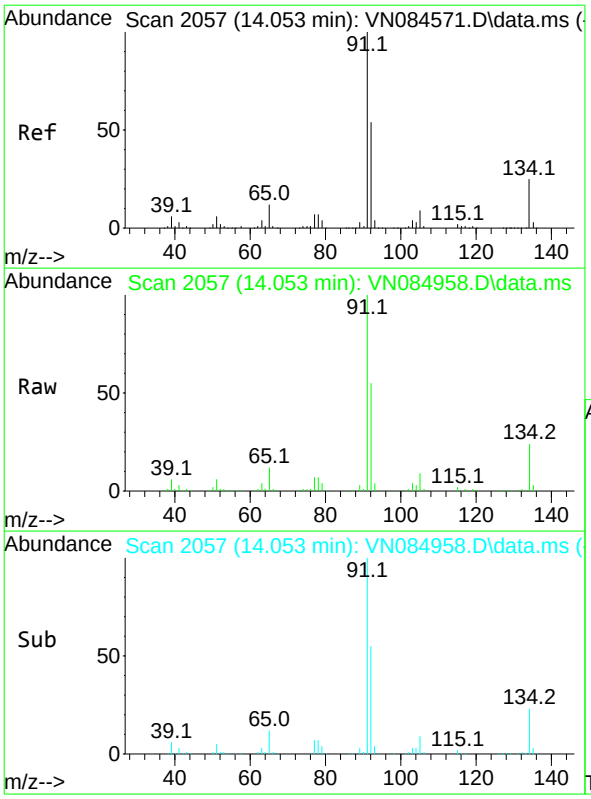


#88
1,4-Dichlorobenzene
Concen: 47.062 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:146 Resp: 199901

Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.2	63.6
148	63.8	31.9	95.9

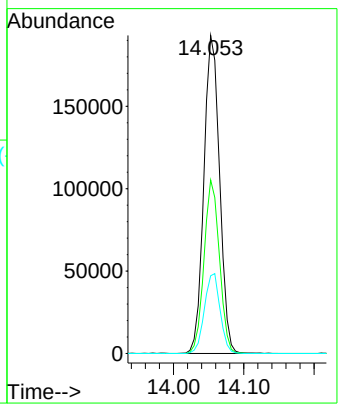




#89
n-Butylbenzene
Concen: 45.841 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 91 Resp: 300302

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.6	79.7
134	25.0	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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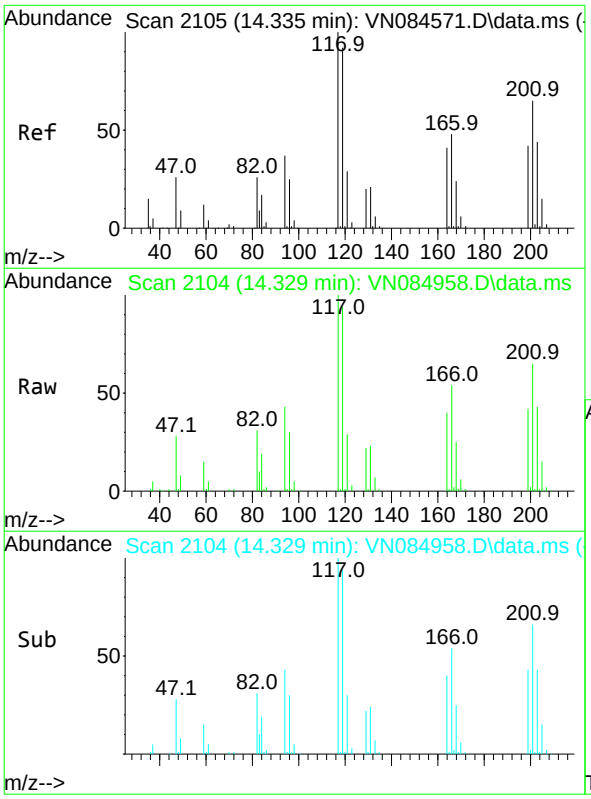
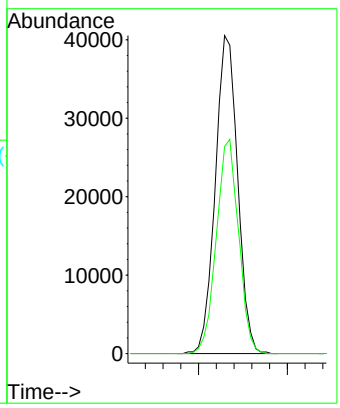
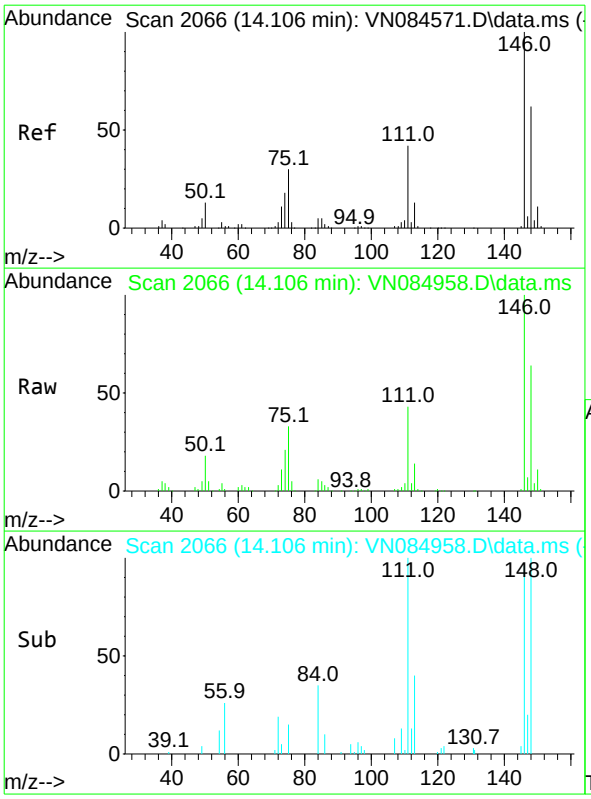


#90
Hexachloroethane
Concen: 45.429 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:117 Resp: 70949

Ion	Ratio	Lower	Upper
117	100		
201	67.0	34.4	103.2

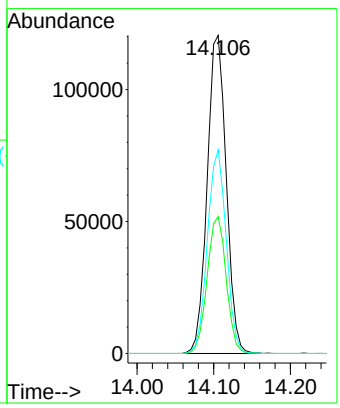




#91
1,2-Dichlorobenzene
Concen: 46.770 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:146 Resp: 207798

Ion	Ratio	Lower	Upper
146	100		
111	43.1	22.0	66.0
148	63.2	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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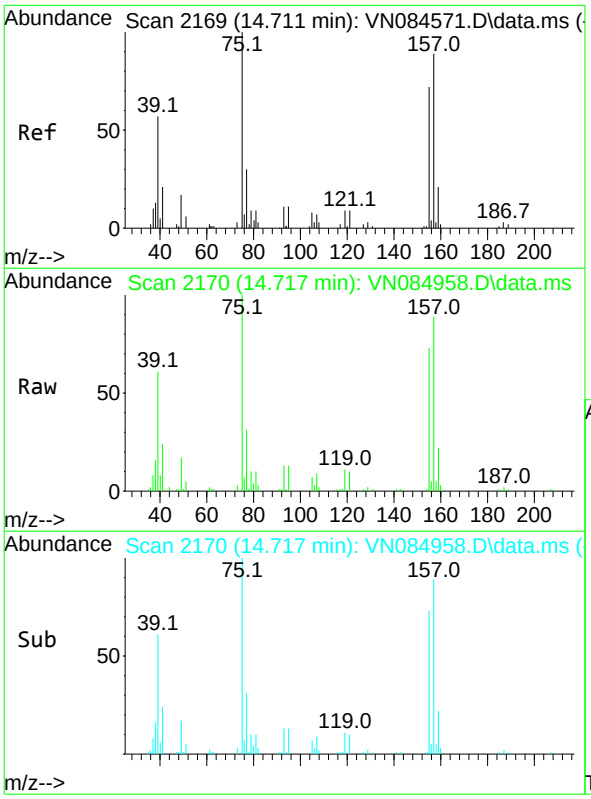
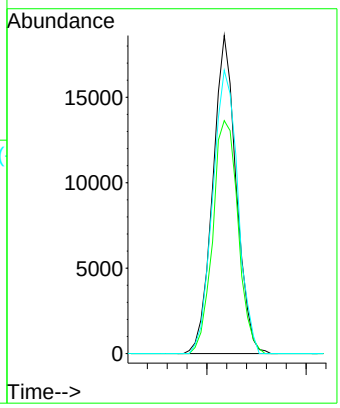
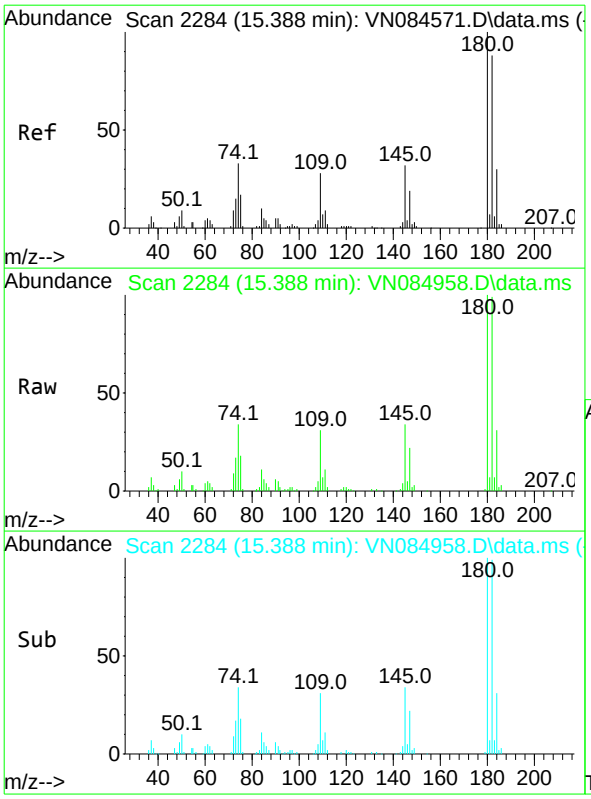


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.205 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 75 Resp: 30515

Ion	Ratio	Lower	Upper
75	100		
155	78.9	38.1	114.5
157	95.4	49.6	149.0

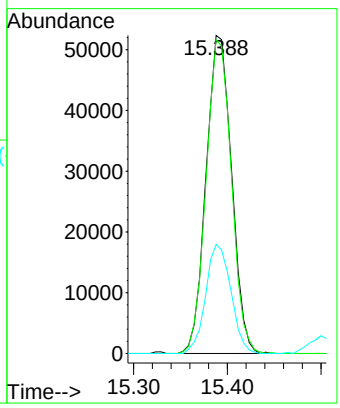




#93
1,2,4-Trichlorobenzene
Concen: 40.763 ug/l
RT: 15.388 min Scan# 22
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:180 Resp: 99130

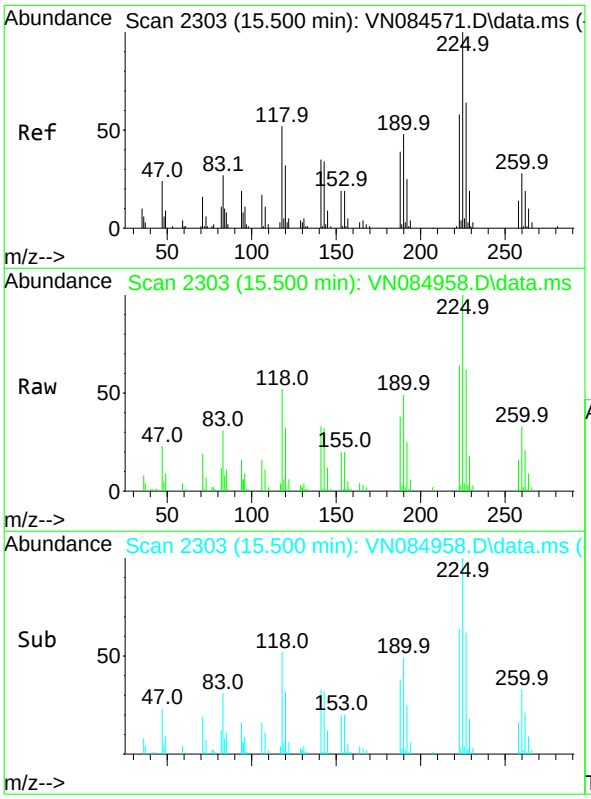
Ion	Ratio	Lower	Upper
180	100		
182	97.7	47.0	141.0
145	33.8	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

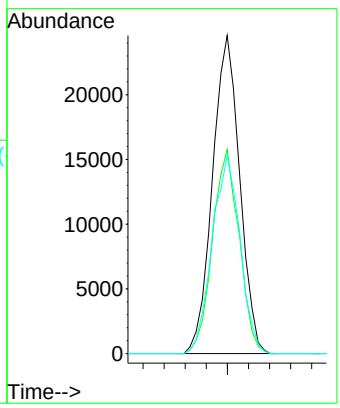
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

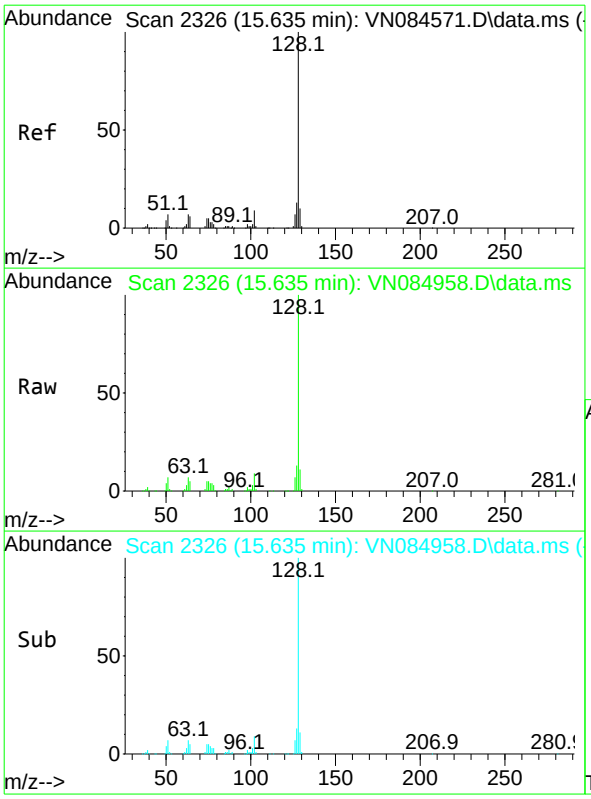


#94
Hexachlorobutadiene
Concen: 41.245 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:225 Resp: 44047

Ion	Ratio	Lower	Upper
225	100		
223	62.8	32.4	97.2
227	63.9	32.4	97.0

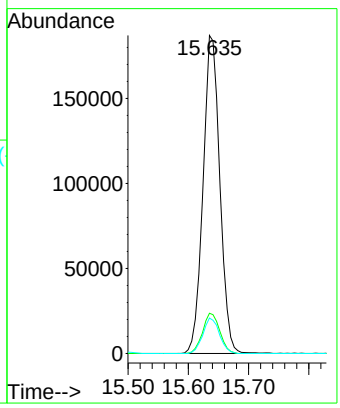




#95
Naphthalene
Concen: 49.725 ug/l
RT: 15.635 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:128 Resp: 361946

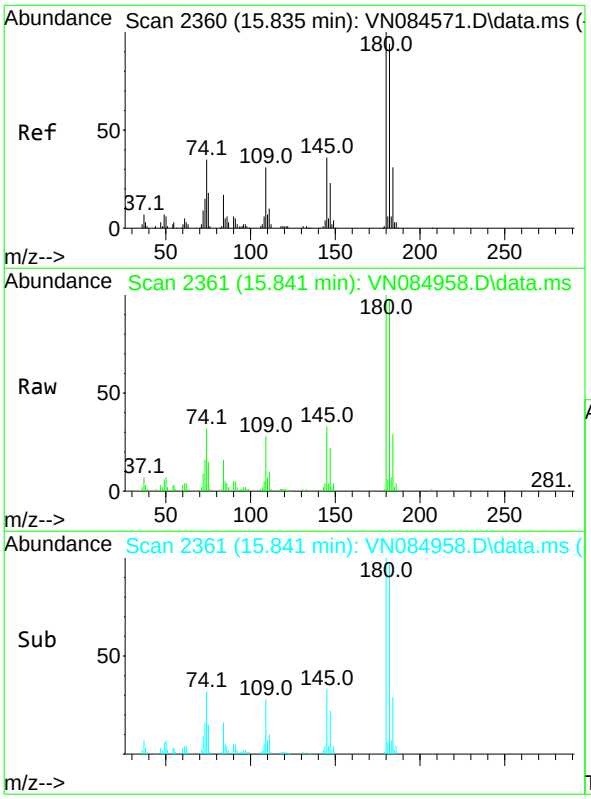
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	11.0	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

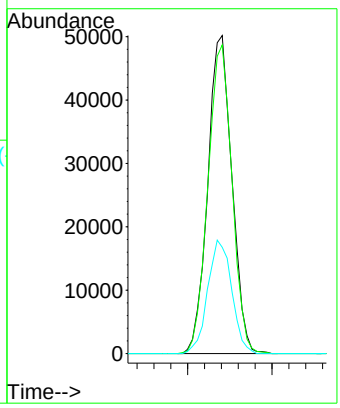
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#96
1,2,3-Trichlorobenzene
Concen: 42.284 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:180 Resp: 99818

Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.2	144.6
145	35.5	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084958.D
Acq On : 19 Nov 2024 19:40
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 20 00:36:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	82	0.00
2	T	Dichlorodifluoromethane	0.575	0.566	1.6	84	0.00
3	P	Chloromethane	0.952	0.647	32.0#	79	0.00
4	C	Vinyl Chloride	0.618	0.627	-1.5#	84	0.00
5	T	Bromomethane	0.328	0.332	-1.2	92	-0.05
6	T	Chloroethane	0.488	0.421	13.7	91	-0.05
7	T	Trichlorofluoromethane	1.018	1.057	-3.8	90	-0.03
8	T	Diethyl Ether	0.359	0.418	-16.4	96	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.575	0.606	-5.4	89	-0.02
10	T	Methyl Iodide	0.769	0.853	-10.9	95	-0.02
11	T	Tert butyl alcohol	0.095	0.125	-31.6#	118	0.02
12	CM	1,1-Dichloroethene	0.569	0.579	-1.8#	88	-0.02
13	T	Acrolein	0.095	0.119	-25.3#	111	0.00
14	T	Allyl chloride	0.923	0.986	-6.8	88	-0.02
15	T	Acrylonitrile	0.276	0.343	-24.3	103	0.00
16	T	Acetone	0.238	0.275	-15.5	110	0.00
17	T	Carbon Disulfide	1.753	1.515	13.6	77	-0.02
18	T	Methyl Acetate	1.172	0.953	18.7	104	0.00
19	T	Methyl tert-butyl Ether	1.745	2.119	-21.4	98	0.00
20	T	Methylene Chloride	0.635	0.696	-9.6	94	0.00
21	T	trans-1,2-Dichloroethene	0.585	0.592	-1.2	86	-0.01
22	T	Diisopropyl ether	1.835	2.129	-16.0	94	0.00
23	T	Vinyl Acetate	1.265	1.551	-22.6	97	0.00
24	P	1,1-Dichloroethane	1.102	1.215	-10.3	93	0.00
25	T	2-Butanone	0.337	0.447	-32.6#	116	0.00
26	T	2,2-Dichloropropane	0.959	0.841	12.3	73	0.00
27	T	cis-1,2-Dichloroethene	0.683	0.749	-9.7	92	0.00
28	T	Bromochloromethane	0.439	0.517	-17.8	83	0.00
29	T	Tetrahydrofuran	0.224	0.298	-33.0#	110	0.00
30	C	Chloroform	1.121	1.256	-12.0#	94	0.00
31	T	Cyclohexane	0.997	0.988	0.9	86	0.00
32	T	1,1,1-Trichloroethane	1.021	1.145	-12.1	94	0.00
33	S	1,2-Dichloroethane-d4	0.722	0.665	7.9	75	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	84	0.00
35	S	Dibromofluoromethane	0.338	0.315	6.8	77	0.00
36	T	1,1-Dichloropropene	0.469	0.482	-2.8	90	0.00
37	T	Ethyl Acetate	0.426	0.532	-24.9	106	0.00
38	T	Carbon Tetrachloride	0.525	0.559	-6.5	92	0.00
39	T	Methylcyclohexane	0.478	0.522	-9.2	87	0.00
40	TM	Benzene	1.507	1.574	-4.4	92	0.00
41	T	Methacrylonitrile	0.229	0.301	-31.4#	103	0.00
42	TM	1,2-Dichloroethane	0.488	0.539	-10.5	92	0.00
43	T	Isopropyl Acetate	0.927	1.017	-9.7	113	0.00
44	TM	Trichloroethene	0.348	0.359	-3.2	90	0.00
45	C	1,2-Dichloropropane	0.354	0.381	-7.6#	92	0.00
46	T	Dibromomethane	0.250	0.277	-10.8	96	0.00
47	T	Bromodichloromethane	0.526	0.578	-9.9	94	0.00
48	T	Methyl methacrylate	0.331	0.421	-27.2#	103	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084958.D
Acq On : 19 Nov 2024 19:40
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 20 00:36:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.007	-16.7	100	0.00
50	S	Toluene-d8	1.247	1.119	10.3	72	0.00
51	T	4-Methyl-2-Pentanone	0.406	0.550	-35.5#	110	0.00
52	CM	Toluene	0.882	0.960	-8.8#	90	0.00
53	T	t-1,3-Dichloropropene	0.544	0.555	-2.0	86	0.00
54	T	cis-1,3-Dichloropropene	0.576	0.600	-4.2	87	0.00
55	T	1,1,2-Trichloroethane	0.332	0.375	-13.0	96	0.00
56	T	Ethyl methacrylate	0.480	0.624	-30.0#	98	0.00
57	T	1,3-Dichloropropane	0.570	0.637	-11.8	95	0.00
58	T	2-Chloroethyl Vinyl ether	0.225	0.287	-27.6#	93	0.00
59	T	2-Hexanone	0.296	0.408	-37.8#	110	0.00
60	T	Dibromochloromethane	0.378	0.435	-15.1	93	0.00
61	T	1,2-Dibromoethane	0.340	0.380	-11.8	96	0.00
62	S	4-Bromofluorobenzene	0.466	0.458	1.7	78	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	87	0.00
64	T	Tetrachloroethene	0.333	0.349	-4.8	97	0.00
65	PM	Chlorobenzene	1.119	1.105	1.3	91	0.00
66	T	1,1,1,2-Tetrachloroethane	0.389	0.406	-4.4	94	0.00
67	C	Ethyl Benzene	1.867	1.968	-5.4#	91	0.00
68	T	m/p-Xylenes	0.707	0.744	-5.2	89	0.00
69	T	o-Xylene	0.661	0.728	-10.1	92	0.00
70	T	Styrene	1.154	1.244	-7.8	90	0.00
71	P	Bromoform	0.293	0.319	-8.9	95	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
73	T	Isopropylbenzene	3.504	3.549	-1.3	90	0.00
74	T	N-amyl acetate	1.491	1.701	-14.1	101	0.00
75	P	1,1,2,2-Tetrachloroethane	1.170	1.203	-2.8	102	0.00
76	T	1,2,3-Trichloropropane	0.999	0.994	0.5	102	0.00
77	T	Bromobenzene	0.942	0.853	9.4	88	0.00
78	T	n-propylbenzene	4.106	4.043	1.5	87	0.00
79	T	2-Chlorotoluene	2.683	2.582	3.8	90	0.00
80	T	1,3,5-Trimethylbenzene	2.904	3.041	-4.7	90	0.00
81	T	trans-1,4-Dichloro-2-butene	0.421	0.393	6.7	89	0.00
82	T	4-Chlorotoluene	2.823	2.601	7.9	87	0.00
83	T	tert-Butylbenzene	2.403	2.596	-8.0	93	0.00
84	T	1,2,4-Trimethylbenzene	2.997	3.075	-2.6	89	0.00
85	T	sec-Butylbenzene	3.395	3.446	-1.5	89	0.00
86	T	p-Isopropyltoluene	2.784	2.888	-3.7	86	0.00
87	T	1,3-Dichlorobenzene	1.838	1.578	14.1	86	0.00
88	T	1,4-Dichlorobenzene	1.937	1.590	17.9	86	0.00
89	T	n-Butylbenzene	2.605	2.388	8.3	83	0.00
90	T	Hexachloroethane	0.621	0.564	9.2	87	0.00
91	T	1,2-Dichlorobenzene	1.766	1.652	6.5	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.243	-2.5	102	0.00
93	T	1,2,4-Trichlorobenzene	0.967	0.788	18.5	83	0.00
94	T	Hexachlorobutadiene	0.425	0.350	17.6	86	0.00
95	T	Naphthalene	2.894	2.878	0.6	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084958.D
Acq On : 19 Nov 2024 19:40
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 20 00:36:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.939	0.794	15.4	86	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084958.D
Acq On : 19 Nov 2024 19:40
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 20 00:36:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	82	0.00
2	T	Dichlorodifluoromethane	50.000	49.253	1.5	84	0.00
3	P	Chloromethane	50.000	47.823	4.4	79	0.00
4	C	Vinyl Chloride	50.000	50.686	-1.4#	84	0.00
5	T	Bromomethane	50.000	50.654	-1.3	92	-0.05
6	T	Chloroethane	50.000	55.140	-10.3	91	-0.05
7	T	Trichlorofluoromethane	50.000	51.874	-3.7	90	-0.03
8	T	Diethyl Ether	50.000	58.123	-16.2	96	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	52.618	-5.2	89	-0.02
10	T	Methyl Iodide	50.000	55.469	-10.9	95	-0.02
11	T	Tert butyl alcohol	250.000	327.929	-31.2#	118	0.02
12	CM	1,1-Dichloroethene	50.000	50.865	-1.7#	88	-0.02
13	T	Acrolein	250.000	314.037	-25.6#	111	0.00
14	T	Allyl chloride	50.000	53.365	-6.7	88	-0.02
15	T	Acrylonitrile	250.000	310.701	-24.3	103	0.00
16	T	Acetone	250.000	330.058	-32.0#	110	0.00
17	T	Carbon Disulfide	50.000	43.213	13.6	77	-0.02
18	T	Methyl Acetate	50.000	63.602	-27.2#	104	0.00
19	T	Methyl tert-butyl Ether	50.000	60.696	-21.4	98	0.00
20	T	Methylene Chloride	50.000	54.826	-9.7	94	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.642	-1.3	86	-0.01
22	T	Diisopropyl ether	50.000	58.021	-16.0	94	0.00
23	T	Vinyl Acetate	250.000	306.409	-22.6	97	0.00
24	P	1,1-Dichloroethane	50.000	55.131	-10.3	93	0.00
25	T	2-Butanone	250.000	331.494	-32.6#	116	0.00
26	T	2,2-Dichloropropane	50.000	43.867	12.3	73	0.00
27	T	cis-1,2-Dichloroethene	50.000	54.845	-9.7	92	0.00
28	T	Bromochloromethane	50.000	58.849	-17.7	83	0.00
29	T	Tetrahydrofuran	250.000	333.759	-33.5#	110	0.00
30	C	Chloroform	50.000	56.030	-12.1#	94	0.00
31	T	Cyclohexane	50.000	49.565	0.9	86	0.00
32	T	1,1,1-Trichloroethane	50.000	56.079	-12.2	94	0.00
33	S	1,2-Dichloroethane-d4	50.000	46.040	7.9	75	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	84	0.00
35	S	Dibromofluoromethane	50.000	46.529	6.9	77	0.00
36	T	1,1-Dichloropropene	50.000	51.338	-2.7	90	0.00
37	T	Ethyl Acetate	50.000	62.448	-24.9	106	0.00
38	T	Carbon Tetrachloride	50.000	53.274	-6.5	92	0.00
39	T	Methylcyclohexane	50.000	54.647	-9.3	87	0.00
40	TM	Benzene	50.000	52.199	-4.4	92	0.00
41	T	Methacrylonitrile	50.000	65.730	-31.5#	103	0.00
42	TM	1,2-Dichloroethane	50.000	55.202	-10.4	92	0.00
43	T	Isopropyl Acetate	50.000	64.915	-29.8#	113	0.00
44	TM	Trichloroethene	50.000	51.687	-3.4	90	0.00
45	C	1,2-Dichloropropane	50.000	53.888	-7.8#	92	0.00
46	T	Dibromomethane	50.000	55.425	-10.8	96	0.00
47	T	Bromodichloromethane	50.000	54.940	-9.9	94	0.00
48	T	Methyl methacrylate	50.000	63.558	-27.1#	103	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084958.D
Acq On : 19 Nov 2024 19:40
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 20 00:36:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1221.395	-22.1	100	0.00
50	S	Toluene-d8	50.000	44.891	10.2	72	0.00
51	T	4-Methyl-2-Pentanone	250.000	338.982	-35.6#	110	0.00
52	CM	Toluene	50.000	54.469	-8.9#	90	0.00
53	T	t-1,3-Dichloropropene	50.000	50.939	-1.9	86	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.060	-4.1	87	0.00
55	T	1,1,2-Trichloroethane	50.000	56.465	-12.9	96	0.00
56	T	Ethyl methacrylate	50.000	64.993	-30.0#	98	0.00
57	T	1,3-Dichloropropane	50.000	55.879	-11.8	95	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	319.637	-27.9#	93	0.00
59	T	2-Hexanone	250.000	345.210	-38.1#	110	0.00
60	T	Dibromochloromethane	50.000	57.532	-15.1	93	0.00
61	T	1,2-Dibromoethane	50.000	55.900	-11.8	96	0.00
62	S	4-Bromofluorobenzene	50.000	49.136	1.7	78	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	87	0.00
64	T	Tetrachloroethene	50.000	52.479	-5.0	97	0.00
65	PM	Chlorobenzene	50.000	49.397	1.2	91	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.198	-4.4	94	0.00
67	C	Ethyl Benzene	50.000	52.693	-5.4#	91	0.00
68	T	m/p-Xylenes	100.000	105.283	-5.3	89	0.00
69	T	o-Xylene	50.000	55.054	-10.1	92	0.00
70	T	Styrene	50.000	53.903	-7.8	90	0.00
71	P	Bromoform	50.000	54.478	-9.0	95	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	91	0.00
73	T	Isopropylbenzene	50.000	50.648	-1.3	90	0.00
74	T	N-amyl acetate	50.000	57.023	-14.0	101	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.429	-2.9	102	0.00
76	T	1,2,3-Trichloropropane	50.000	49.744	0.5	102	0.00
77	T	Bromobenzene	50.000	45.274	9.5	88	0.00
78	T	n-propylbenzene	50.000	49.239	1.5	87	0.00
79	T	2-Chlorotoluene	50.000	48.117	3.8	90	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.364	-4.7	90	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	46.601	6.8	89	0.00
82	T	4-Chlorotoluene	50.000	46.068	7.9	87	0.00
83	T	tert-Butylbenzene	50.000	54.007	-8.0	93	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.293	-2.6	89	0.00
85	T	sec-Butylbenzene	50.000	50.747	-1.5	89	0.00
86	T	p-Isopropyltoluene	50.000	51.858	-3.7	86	0.00
87	T	1,3-Dichlorobenzene	50.000	42.928	14.1	86	0.00
88	T	1,4-Dichlorobenzene	50.000	47.062	5.9	86	0.00
89	T	n-Butylbenzene	50.000	45.841	8.3	83	0.00
90	T	Hexachloroethane	50.000	45.429	9.1	87	0.00
91	T	1,2-Dichlorobenzene	50.000	46.770	6.5	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.205	-2.4	102	0.00
93	T	1,2,4-Trichlorobenzene	50.000	40.763	18.5	83	0.00
94	T	Hexachlorobutadiene	50.000	41.245	17.5	86	0.00
95	T	Naphthalene	50.000	49.725	0.5	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084958.D
Acq On : 19 Nov 2024 19:40
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 20 00:36:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	42.284	15.4	86	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG No.: P4845

Instrument ID: MSVOA_N Calibration Date/Time: 11/20/2024 11:18

Lab File ID: VN084960.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.575	0.624		8.52	20
Chloromethane	0.952	0.671	0.1	-29.52	20
Vinyl Chloride	0.618	0.652		5.5	20
Bromomethane	0.328	0.340		3.66	20
Chloroethane	0.488	0.408		-16.39	20
Trichlorofluoromethane	1.018	1.068		4.91	20
1,1,2-Trichlorotrifluoroethane	0.575	0.616		7.13	20
1,1-Dichloroethene	0.569	0.576		1.23	20
Acetone	0.238	0.200		-15.97	20
Carbon Disulfide	1.753	1.680		-4.16	20
Methyl tert-butyl Ether	1.745	1.961		12.38	20
Methyl Acetate	1.172	0.768		-34.47	20
Methylene Chloride	0.635	0.652		2.68	20
trans-1,2-Dichloroethene	0.585	0.594		1.54	20
1,1-Dichloroethane	1.102	1.147	0.1	4.08	20
Cyclohexane	0.997	1.018		2.11	20
2-Butanone	0.337	0.365		8.31	20
Carbon Tetrachloride	0.525	0.576		9.71	20
cis-1,2-Dichloroethene	0.683	0.719		5.27	20
Bromochloromethane	0.439	0.438		-0.23	20
Chloroform	1.121	1.175		4.82	20
1,1,1-Trichloroethane	1.021	1.085		6.27	20
Methylcyclohexane	0.478	0.571		19.46	20
Benzene	1.507	1.573		4.38	20
1,2-Dichloroethane	0.488	0.528		8.2	20
Trichloroethene	0.348	0.365		4.89	20
1,2-Dichloropropane	0.354	0.384		8.48	20
Bromodichloromethane	0.526	0.569		8.18	20
4-Methyl-2-Pentanone	0.406	0.504		24.14	20
Toluene	0.882	0.995		12.81	20
t-1,3-Dichloropropene	0.544	0.592		8.82	20
cis-1,3-Dichloropropene	0.576	0.634		10.07	20
1,1,2-Trichloroethane	0.332	0.361		8.73	20
2-Hexanone	0.296	0.396		33.78	20
Dibromochloromethane	0.378	0.434		14.81	20
1,2-Dibromoethane	0.340	0.370		8.82	20
Tetrachloroethene	0.333	0.356		6.91	20
Chlorobenzene	1.119	1.182	0.3	5.63	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG No.: P4845

Instrument ID: MSVOA_N Calibration Date/Time: 11/20/2024 11:18

Lab File ID: VN084960.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.867	2.112		13.12	20
m/p-Xylenes	0.707	0.815		15.28	20
o-Xylene	0.661	0.779		17.85	20
Styrene	1.154	1.329		15.16	20
Bromoform	0.293	0.330	0.1	12.63	20
Isopropylbenzene	3.504	3.902		11.36	20
1,1,2,2-Tetrachloroethane	1.170	1.194	0.3	2.05	20
1,3-Dichlorobenzene	1.838	1.743		-5.17	20
1,4-Dichlorobenzene	1.937	1.741		-10.12	20
1,2-Dichlorobenzene	1.766	1.729		-2.1	20
1,2-Dibromo-3-Chloropropane	0.237	0.253		6.75	20
1,2,4-Trichlorobenzene	0.967	0.914		-5.48	20
1,2,3-Trichlorobenzene	0.939	0.869		-7.45	20
1,2-Dichloroethane-d4	0.722	0.653		-9.56	20
Dibromofluoromethane	0.338	0.317		-6.21	20
Toluene-d8	1.247	1.145		-8.18	20
4-Bromofluorobenzene	0.466	0.449		-3.65	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084960.D
Acq On : 20 Nov 2024 11:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 21 00:32:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	164992	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	271316	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	240365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	122785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	107759	45.219	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 90.440%			
35) Dibromofluoromethane	8.159	113	85890	46.769	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.540%			
50) Toluene-d8	10.565	98	310714	45.930	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.860%			
62) 4-Bromofluorobenzene	12.847	95	121953	48.235	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	102999	54.304	ug/l	94
3) Chloromethane	2.359	50	110719	49.734	ug/l	98
4) Vinyl Chloride	2.512	62	107639	52.764	ug/l	98
5) Bromomethane	2.900	94	56156	51.955	ug/l	97
6) Chloroethane	3.071	64	67311	53.398	ug/l	94
7) Trichlorofluoromethane	3.471	101	176242	52.445	ug/l	98
8) Diethyl Ether	3.953	74	63921	53.922	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.353	101	101609	53.510	ug/l	100
10) Methyl Iodide	4.571	142	137664	54.245	ug/l	95
11) Tert butyl alcohol	5.541	59	90985	289.250	ug/l	99
12) 1,1-Dichloroethene	4.324	96	95095	50.612	ug/l	97
13) Acrolein	4.177	56	83697	266.836	ug/l	98
14) Allyl chloride	5.012	41	161833	53.110	ug/l	93
15) Acrylonitrile	5.718	53	255741	280.842	ug/l	99
16) Acetone	4.430	43	165010	239.592	ug/l	97
17) Carbon Disulfide	4.700	76	277268	47.919	ug/l	100
18) Methyl Acetate	5.024	43	126759	50.446	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	323521	56.177	ug/l	97
20) Methylene Chloride	5.265	84	107519	51.299	ug/l	92
21) trans-1,2-Dichloroethene	5.783	96	97972	50.781	ug/l	98
22) Diisopropyl ether	6.665	45	326570	53.937	ug/l	97
23) Vinyl Acetate	6.594	43	1220460	292.299	ug/l	99
24) 1,1-Dichloroethane	6.565	63	189216	52.053	ug/l	99
25) 2-Butanone	7.482	43	301402	271.102	ug/l	98
26) 2,2-Dichloropropane	7.482	77	175340	55.420	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	118648	52.668	ug/l	96
28) Bromochloromethane	7.812	49	72293	49.917	ug/l	92
29) Tetrahydrofuran	7.835	42	216108	293.003	ug/l	95
30) Chloroform	7.965	83	193933	52.416	ug/l	97
31) Cyclohexane	8.253	56	167902	51.034	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	178940	53.137	ug/l	98
36) 1,1-Dichloropropene	8.365	75	137824	54.113	ug/l	100
37) Ethyl Acetate	7.559	43	134705	58.292	ug/l	97
38) Carbon Tetrachloride	8.359	117	156315	54.908	ug/l	99
39) Methylcyclohexane	9.600	83	154889	59.777	ug/l	98
40) Benzene	8.606	78	426723	52.170	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084960.D
Acq On : 20 Nov 2024 11:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 21 00:32:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	78926	63.513 ug/l	99
42) 1,2-Dichloroethane	8.665	62	143286	54.090 ug/l	99
43) Isopropyl Acetate	8.688	43	242469	56.930 ug/l	100
44) Trichloroethene	9.347	130	99056	52.511 ug/l	100
45) 1,2-Dichloropropane	9.618	63	104248	54.331 ug/l	96
46) Dibromomethane	9.706	93	73957	54.624 ug/l	99
47) Bromodichloromethane	9.888	83	154269	54.053 ug/l	99
48) Methyl methacrylate	9.676	41	109069	60.645 ug/l	97
49) 1,4-Dioxane	9.700	88	36313	1139.408 ug/l #	81
51) 4-Methyl-2-Pentanone	10.441	43	683902	310.450 ug/l	98
52) Toluene	10.629	92	270072	56.456 ug/l	100
53) t-1,3-Dichloropropene	10.835	75	160608	54.366 ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	172110	55.045 ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	98018	54.394 ug/l	96
56) Ethyl methacrylate	10.870	69	165749	63.590 ug/l	96
57) 1,3-Dichloropropane	11.165	76	172010	55.619 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	371343	304.461 ug/l	98
59) 2-Hexanone	11.194	43	536530	334.603 ug/l	98
60) Dibromochloromethane	11.359	129	117689	57.305 ug/l	100
61) 1,2-Dibromoethane	11.465	107	100326	54.368 ug/l	100
64) Tetrachloroethene	11.100	164	85588	53.532 ug/l	97
65) Chlorobenzene	11.888	112	284076	52.828 ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	101276	54.146 ug/l	99
67) Ethyl Benzene	11.965	91	507651	56.556 ug/l	100
68) m/p-Xylenes	12.070	106	391940	115.337 ug/l	100
69) o-Xylene	12.394	106	187331	58.928 ug/l	99
70) Styrene	12.412	104	319362	57.589 ug/l	100
71) Bromoform	12.576	173	79345	56.375 ug/l #	99
73) Isopropylbenzene	12.694	105	479086	55.679 ug/l	99
74) N-amyl acetate	12.494	43	205323	56.065 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	146589	51.040 ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	125143m	50.987 ug/l	
77) Bromobenzene	12.976	156	113414	49.030 ug/l	98
78) n-propylbenzene	13.035	91	563327	55.869 ug/l	99
79) 2-Chlorotoluene	13.123	91	349601	53.064 ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	407010	57.072 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	56982	55.078 ug/l	94
82) 4-Chlorotoluene	13.217	91	353895	51.041 ug/l	99
83) tert-Butylbenzene	13.435	119	348071	58.973 ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	414294	56.287 ug/l	99
85) sec-Butylbenzene	13.611	105	467025	56.017 ug/l	99
86) p-Isopropyltoluene	13.729	119	401222	58.679 ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	213991	47.403 ug/l	100
88) 1,4-Dichlorobenzene	13.811	146	213744	51.698 ug/l	99
89) n-Butylbenzene	14.053	91	339784	53.124 ug/l	99
90) Hexachloroethane	14.335	117	75005	49.189 ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	212272	48.934 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	31109	53.467 ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	112274	47.286 ug/l	99
94) Hexachlorobutadiene	15.500	225	49818	47.779 ug/l	98
95) Naphthalene	15.641	128	368434	51.842 ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	106677	46.284 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084960.D
Acq On : 20 Nov 2024 11:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 21 00:32:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

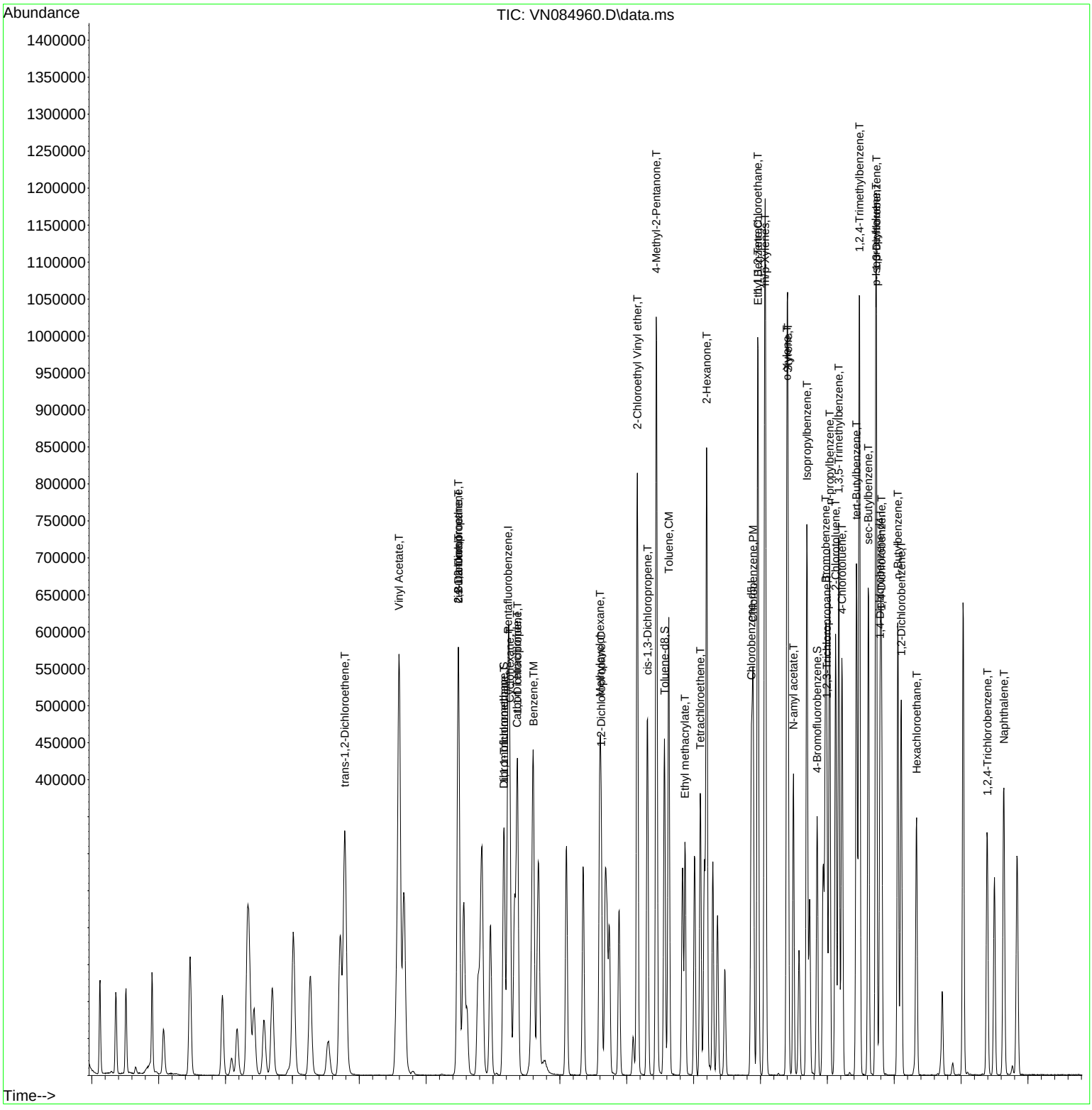
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084960.D
Acq On : 20 Nov 2024 11:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

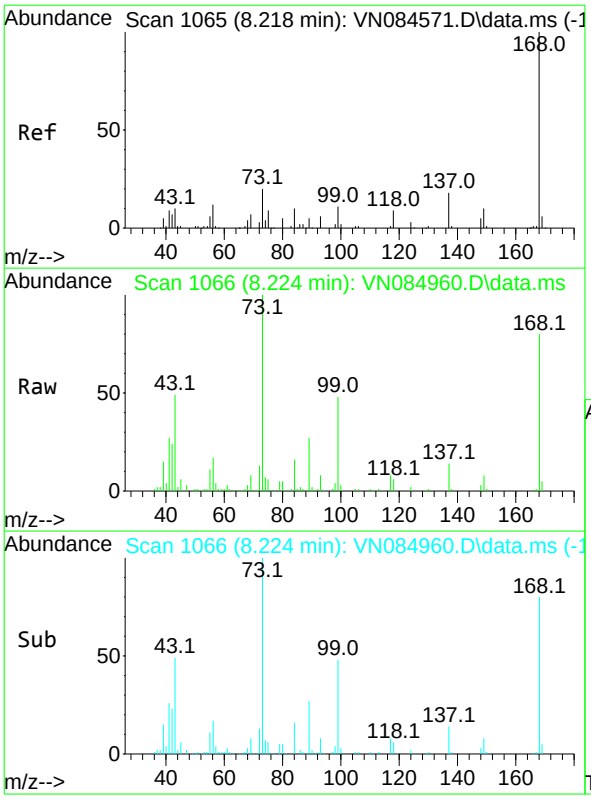
Quant Time: Nov 21 00:32:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

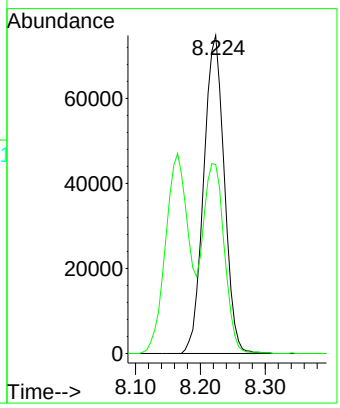




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:168 Resp: 164992

Ion	Ratio	Lower	Upper
168	100		
99	59.4	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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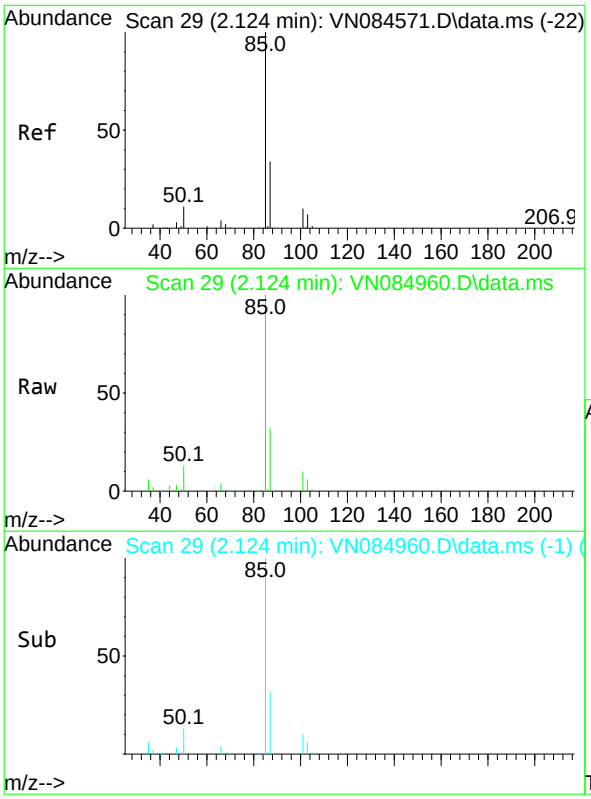
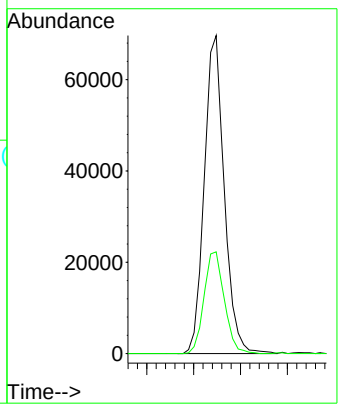
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

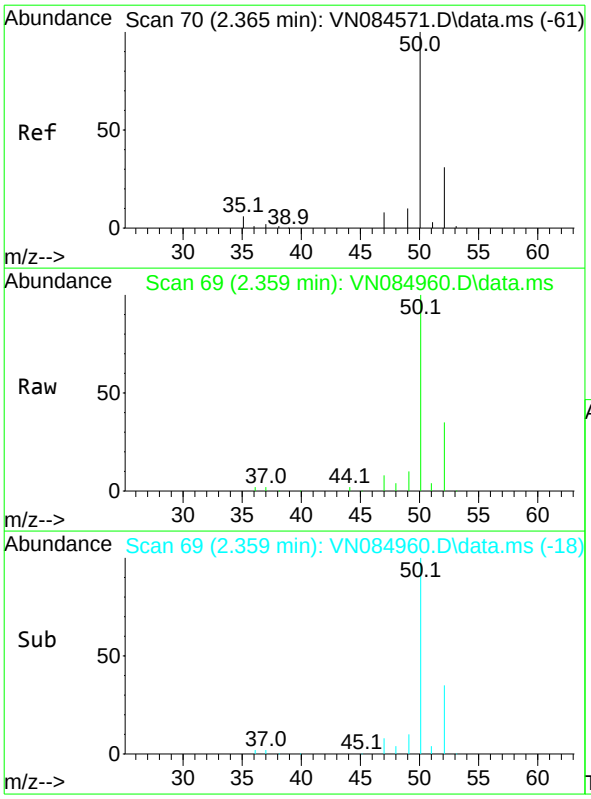


#2
Dichlorodifluoromethane
Concen: 54.304 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 85 Resp: 102999

Ion	Ratio	Lower	Upper
85	100		
87	32.0	17.6	52.9

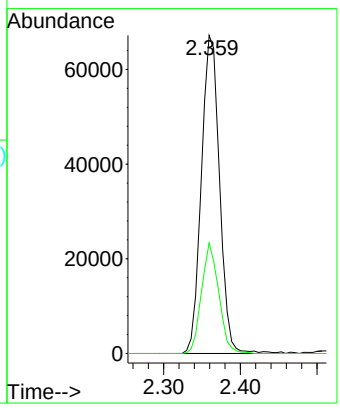




#3
Chloromethane
Concen: 49.734 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 50 Resp: 110719

Ion	Ratio	Lower	Upper
50	100		
52	34.7	26.8	40.2



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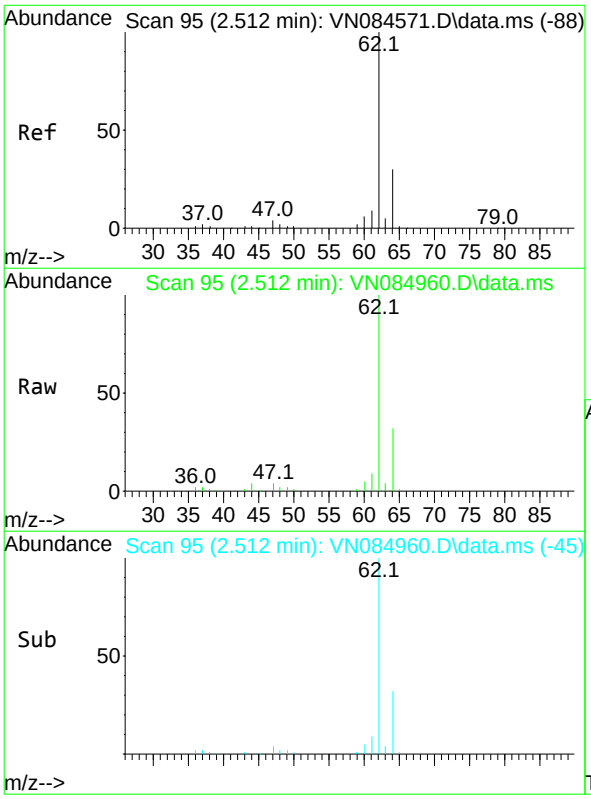
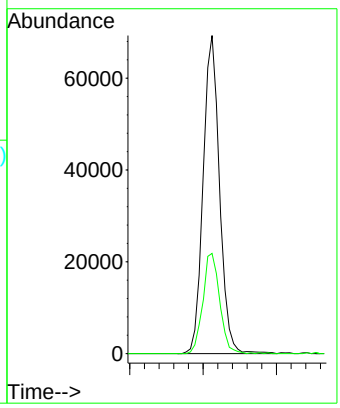
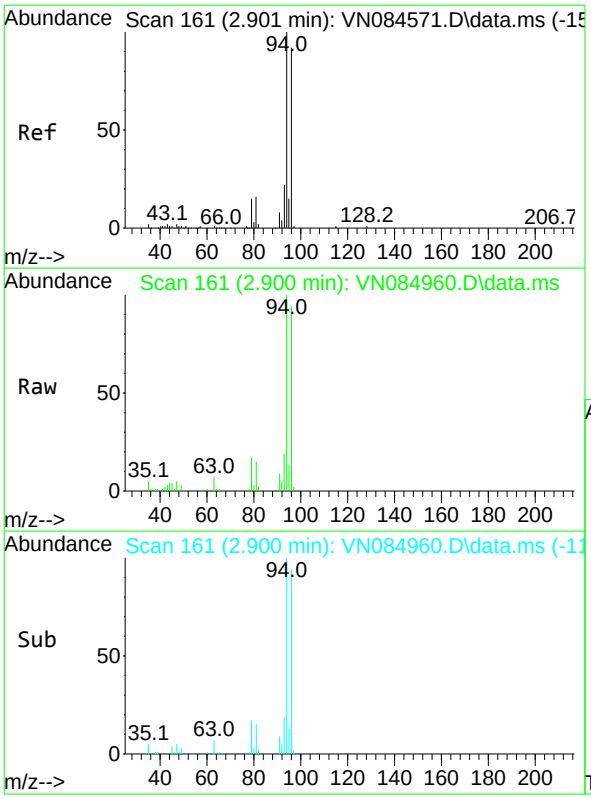


#4
Vinyl Chloride
Concen: 52.764 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 62 Resp: 107639

Ion	Ratio	Lower	Upper
62	100		
64	31.5	26.2	39.4

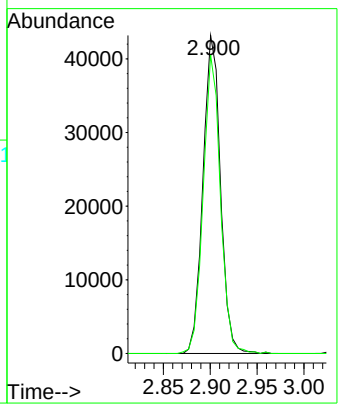




#5
Bromomethane
Concen: 51.955 ug/l
RT: 2.900 min Scan# 16
Delta R.T. -0.053 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 94 Resp: 56156

Ion	Ratio	Lower	Upper
94	100		
96	93.8	72.9	109.3



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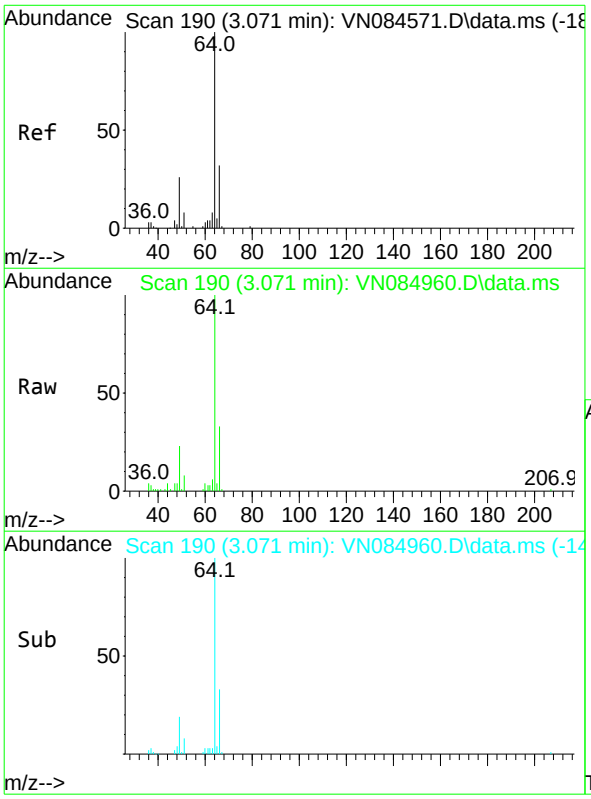
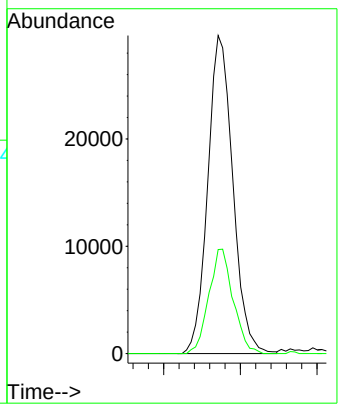
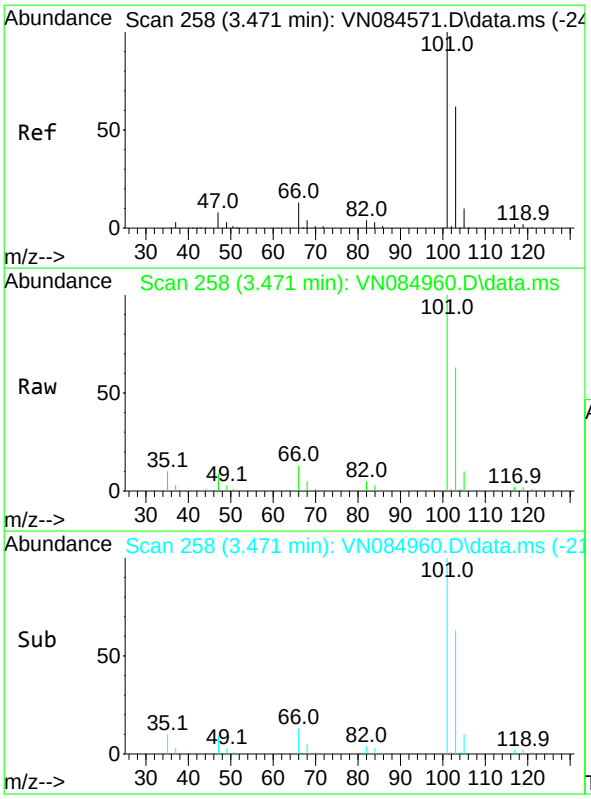


#6
Chloroethane
Concen: 53.398 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.047 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 64 Resp: 67311

Ion	Ratio	Lower	Upper
64	100		
66	32.7	23.5	35.3

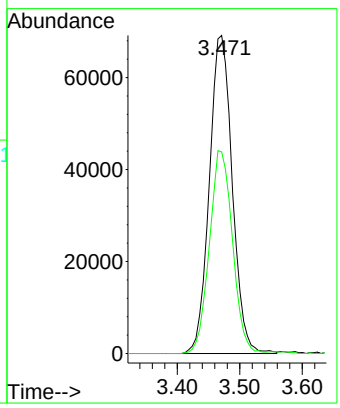




#7
Trichlorofluoromethane
Concen: 52.445 ug/l
RT: 3.471 min Scan# 25
Delta R.T. -0.024 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:101 Resp: 176242

Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.8	77.6



Instrument :
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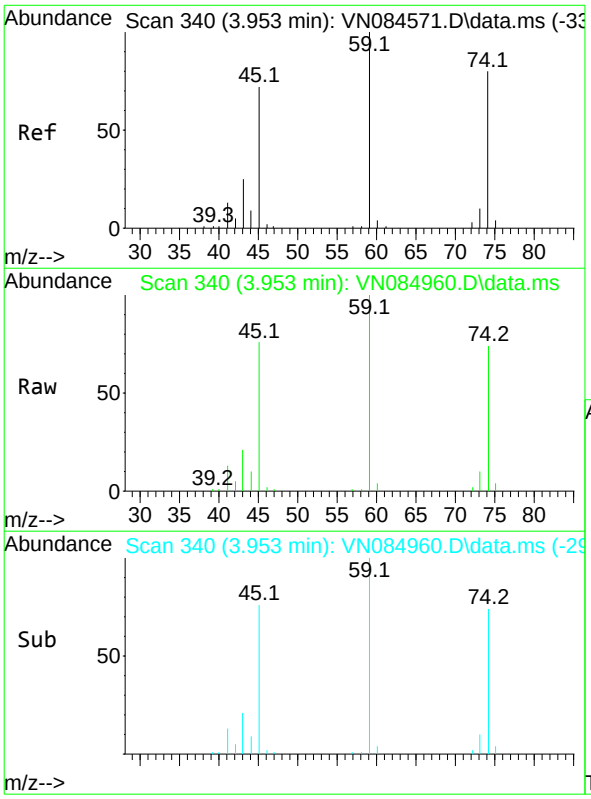
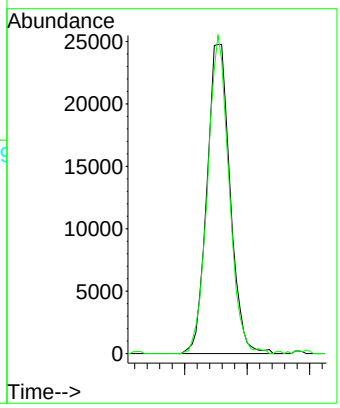
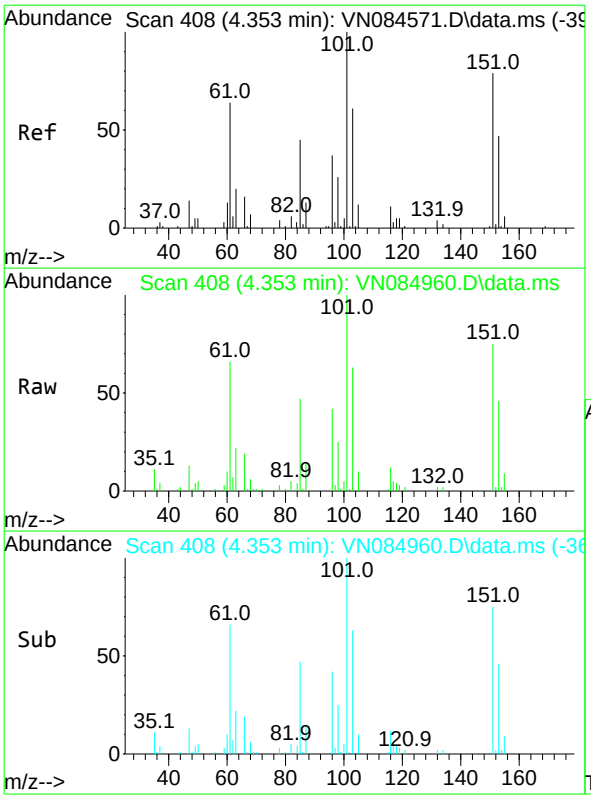


#8
Diethyl Ether
Concen: 53.922 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 74 Resp: 63921

Ion	Ratio	Lower	Upper
74	100		
45	95.3	47.7	143.1

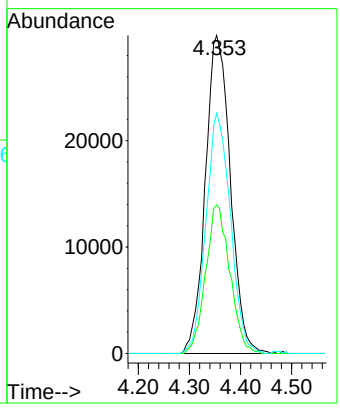




#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.510 ug/l
RT: 4.353 min Scan# 40
Delta R.T. -0.018 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:101 Resp: 101609

Ion	Ratio	Lower	Upper
101	100		
85	45.1	36.2	54.4
151	74.3	59.3	88.9



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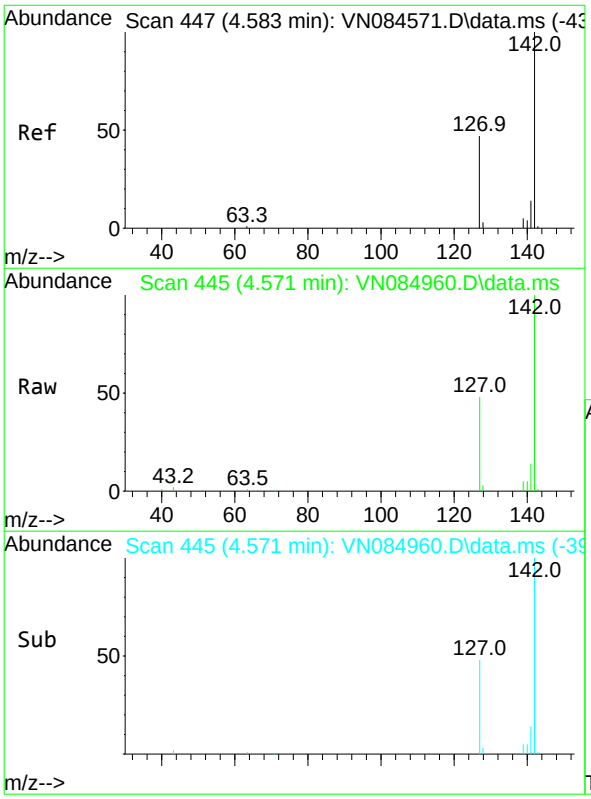
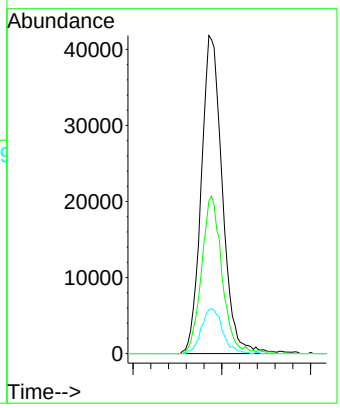
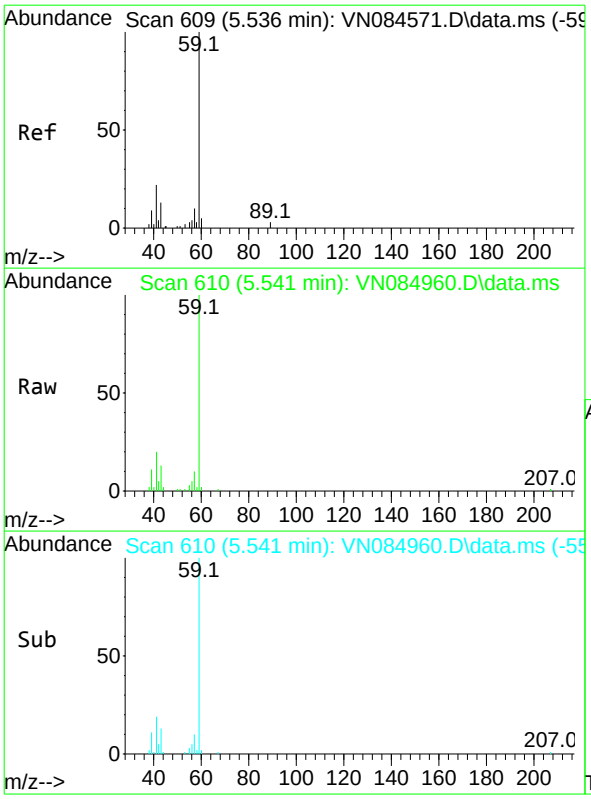


#10
Methyl Iodide
Concen: 54.245 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.024 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:142 Resp: 137664

Ion	Ratio	Lower	Upper
142	100		
127	48.0	35.3	52.9
141	13.7	11.0	16.6

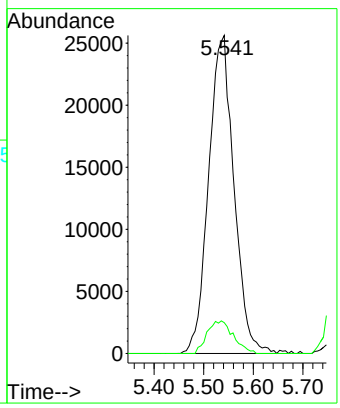




#11
Tert butyl alcohol
Concen: 289.250 ug/l
RT: 5.541 min Scan# 61
Delta R.T. 0.018 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 59 Resp: 90985

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.2



Instrument :
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ClientSampleId :
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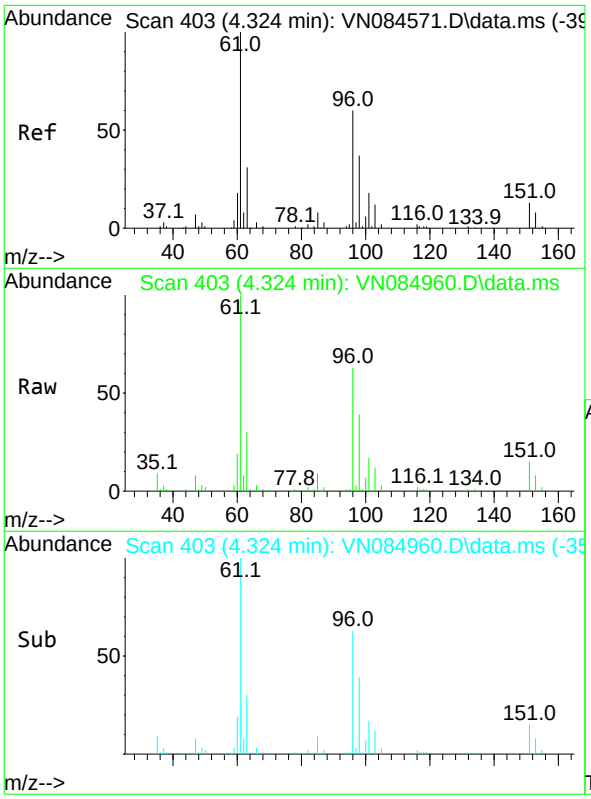
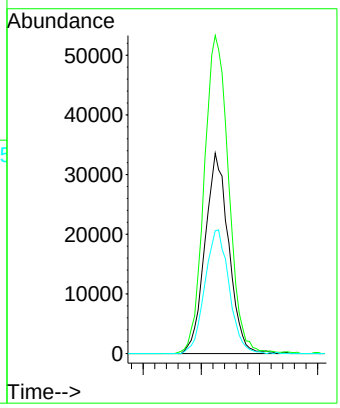
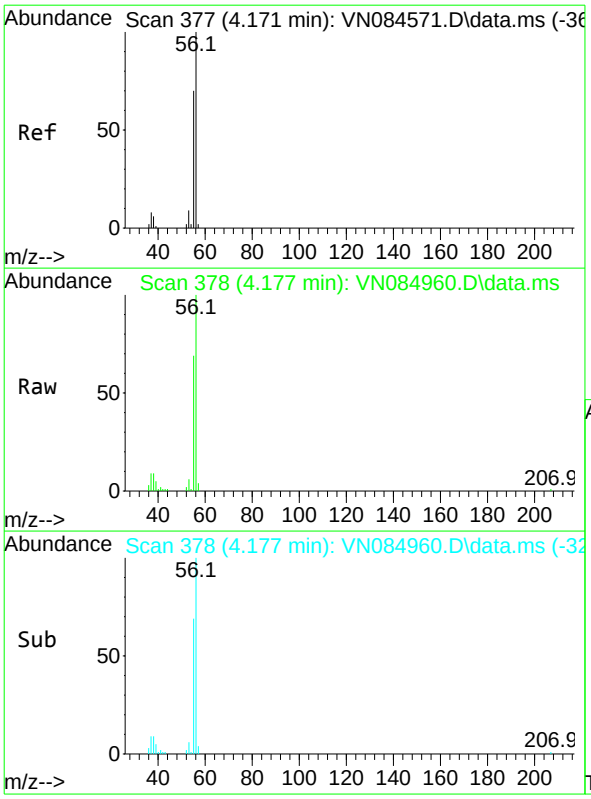


#12
1,1-Dichloroethene
Concen: 50.612 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 96 Resp: 95095

Ion	Ratio	Lower	Upper
96	100		
61	158.2	128.6	192.8
98	61.3	51.7	77.5

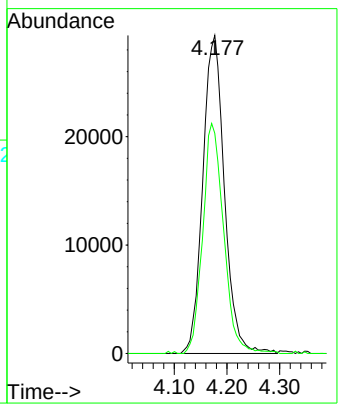




#13
Acrolein
Concen: 266.836 ug/l
RT: 4.177 min Scan# 37
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 56 Resp: 83697

Ion	Ratio	Lower	Upper
56	100		
55	69.9	57.2	85.8



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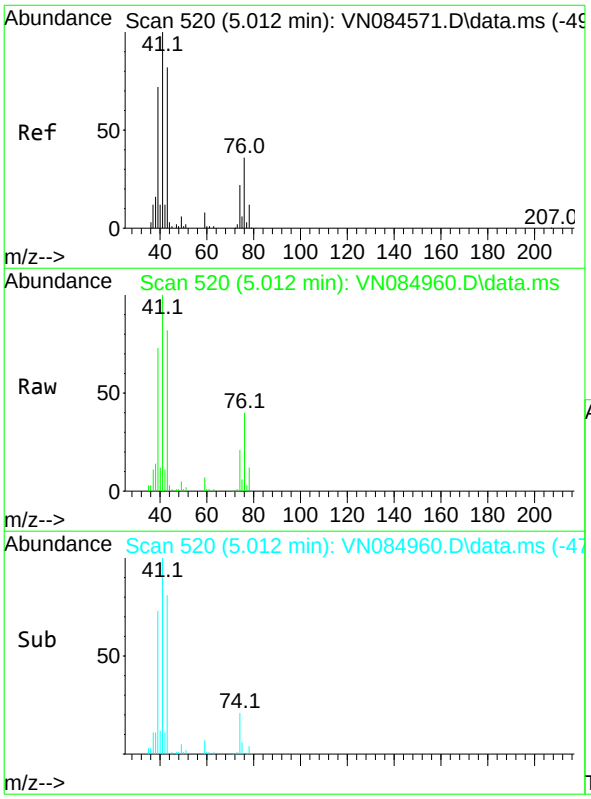
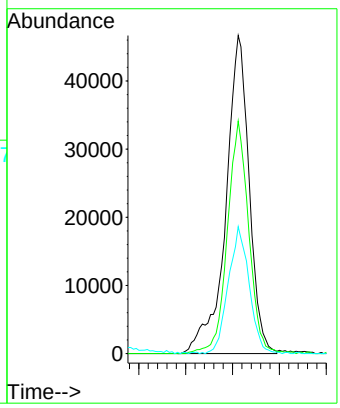
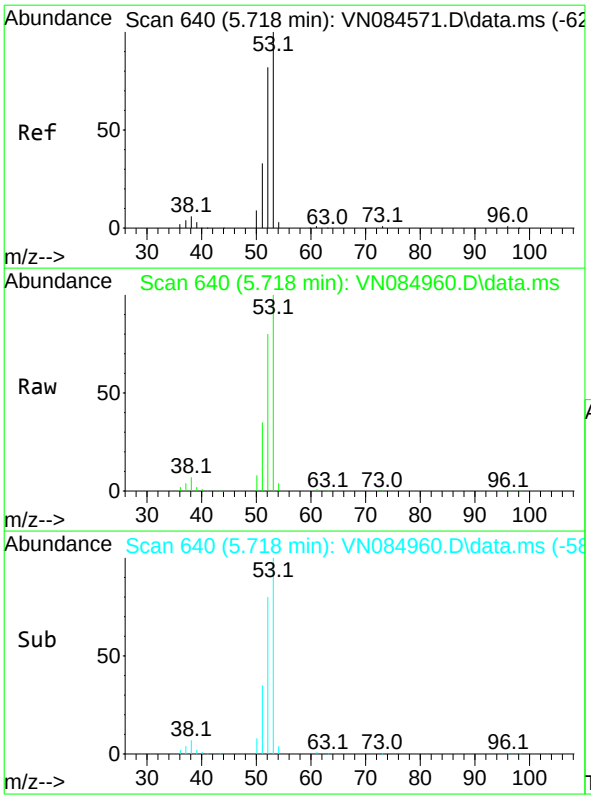


#14
Allyl chloride
Concen: 53.110 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 41 Resp: 161833

Ion	Ratio	Lower	Upper
41	100		
39	66.6	59.0	88.6
76	35.6	29.8	44.6

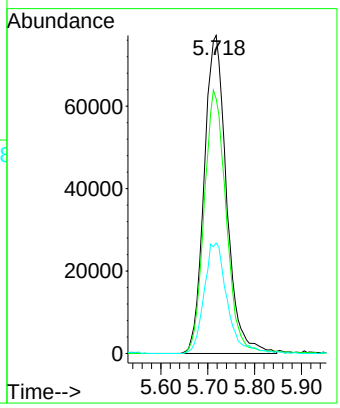




#15
Acrylonitrile
Concen: 280.842 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 53 Resp: 255741

Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.2	99.4
51	35.8	28.8	43.2



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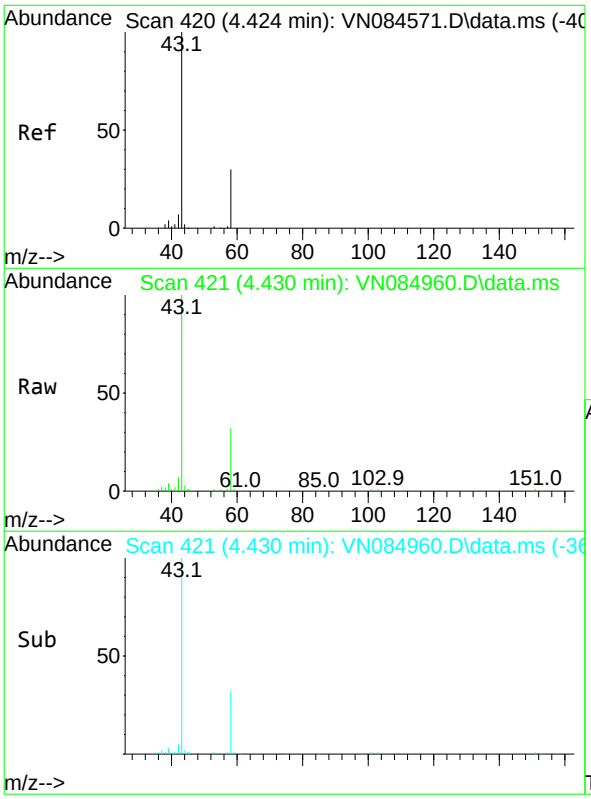
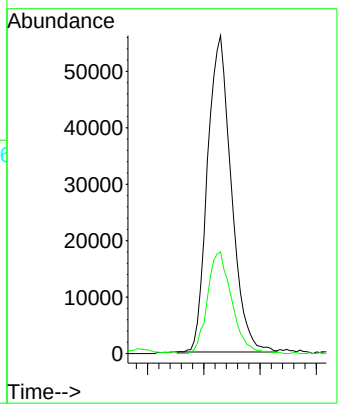
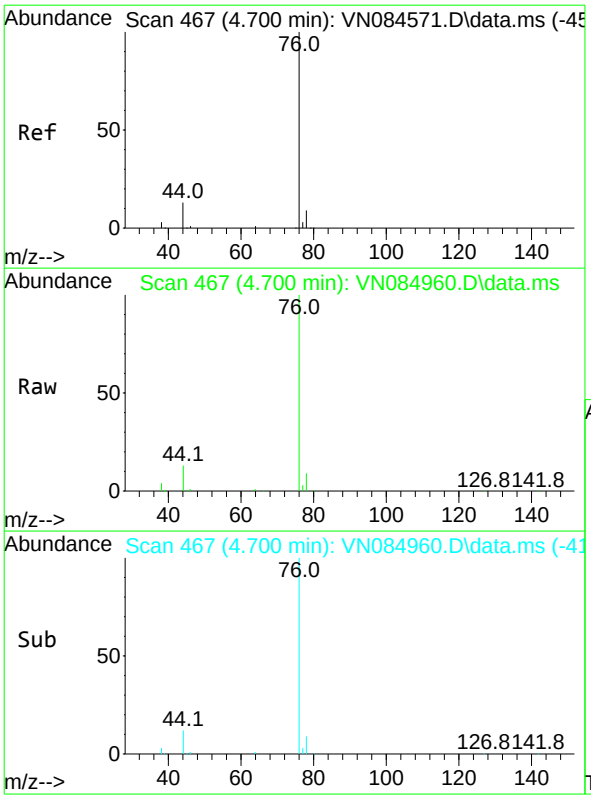


#16
Acetone
Concen: 239.592 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 43 Resp: 165010

Ion	Ratio	Lower	Upper
43	100		
58	32.1	24.4	36.6

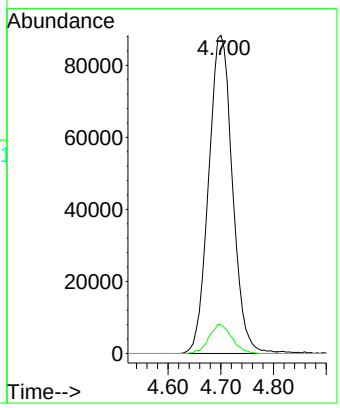




#17
Carbon Disulfide
Concen: 47.919 ug/l
RT: 4.700 min Scan# 46
Delta R.T. -0.012 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 76 Resp: 277268

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9



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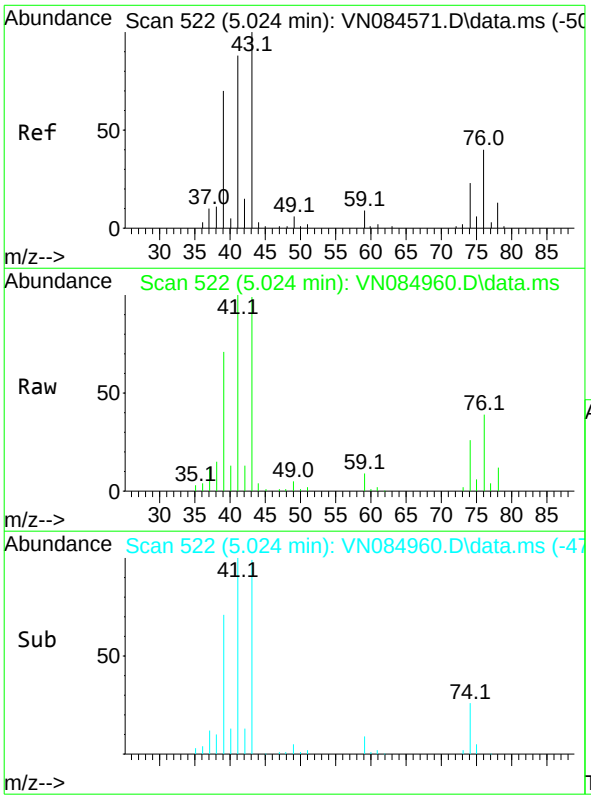
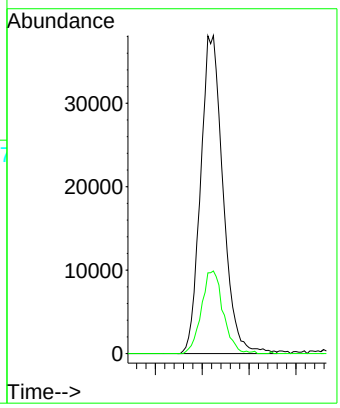
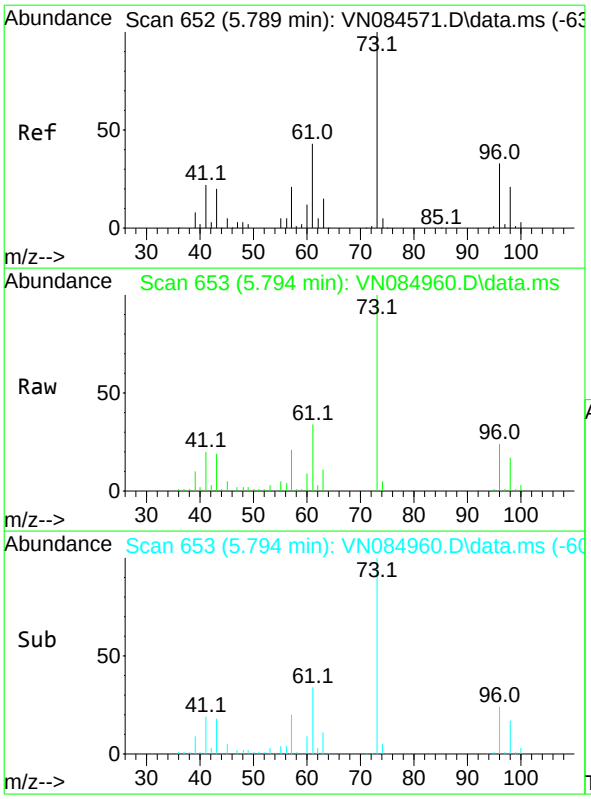


#18
Methyl Acetate
Concen: 50.446 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 43 Resp: 126759

Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.2	28.8

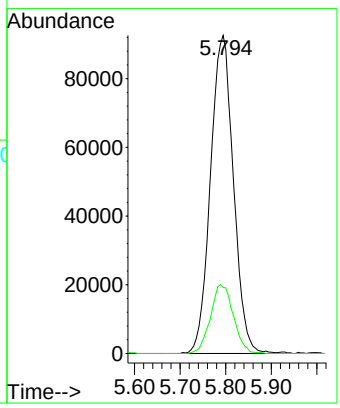




#19
Methyl tert-butyl Ether
Concen: 56.177 ug/l
RT: 5.794 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 73 Resp: 323521

Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
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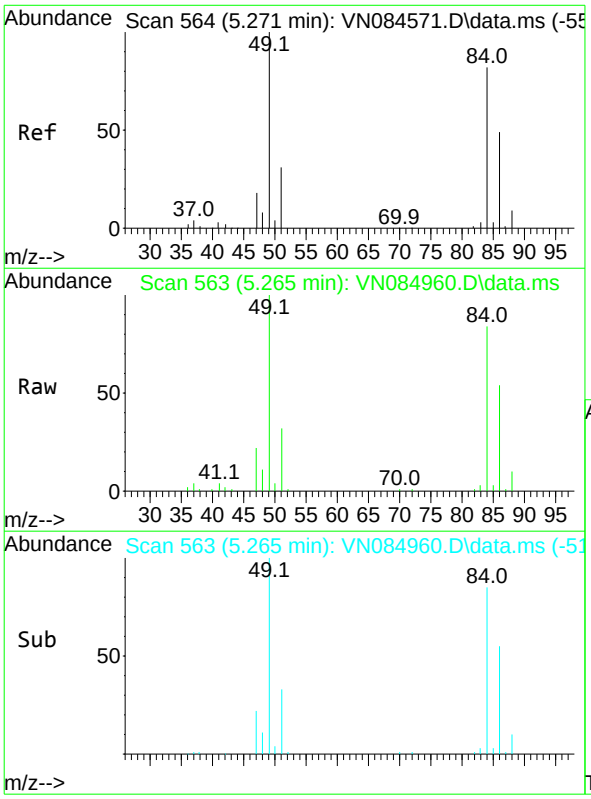
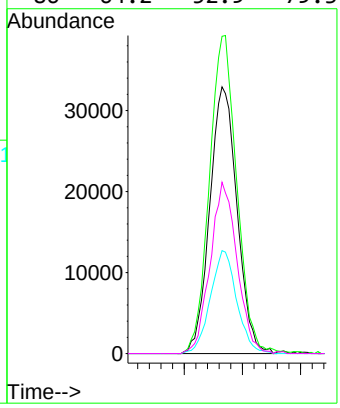
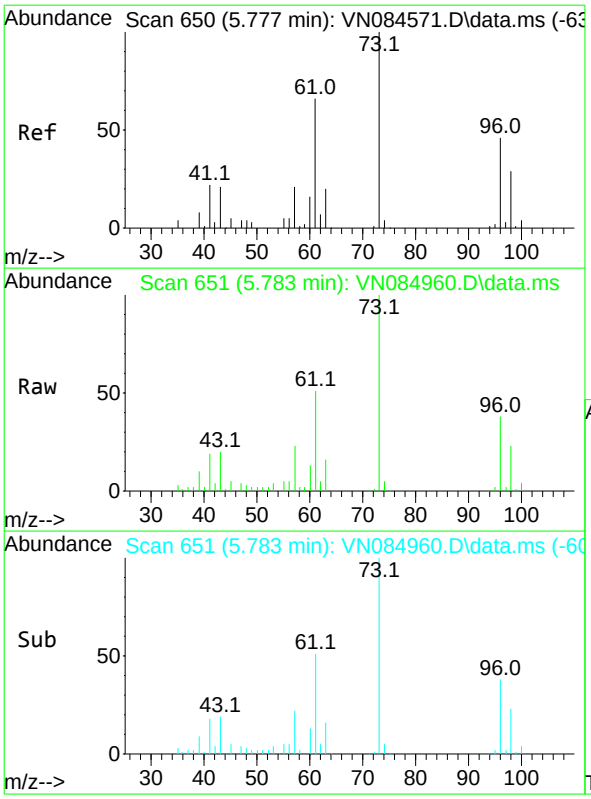


#20
Methylene Chloride
Concen: 51.299 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 84 Resp: 107519

Ion	Ratio	Lower	Upper
84	100		
49	119.0	107.2	160.8
51	38.6	31.8	47.8
86	64.2	52.9	79.3

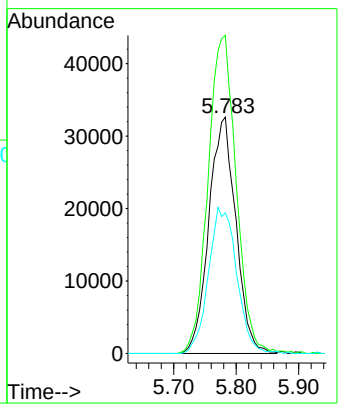




#21
trans-1,2-Dichloroethene
Concen: 50.781 ug/l
RT: 5.783 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 96 Resp: 97972

Ion	Ratio	Lower	Upper
96	100		
61	134.6	108.4	162.6
98	59.5	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
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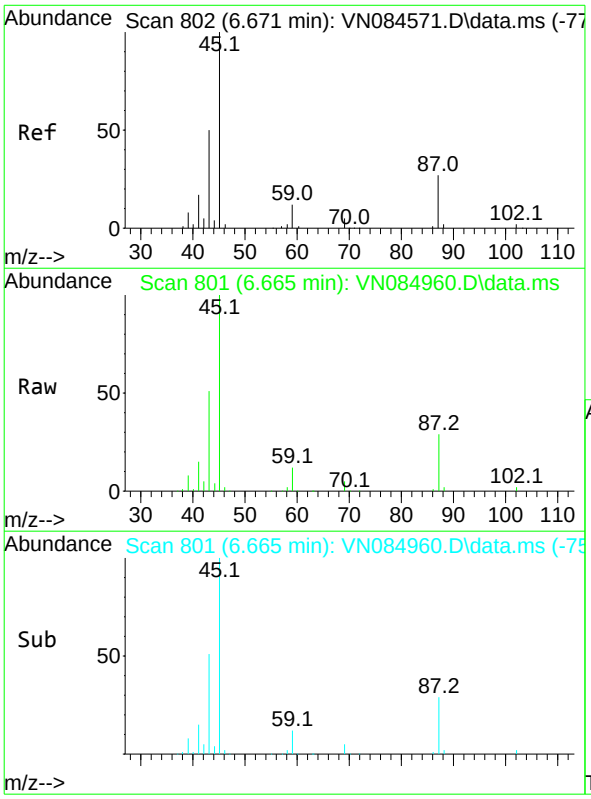
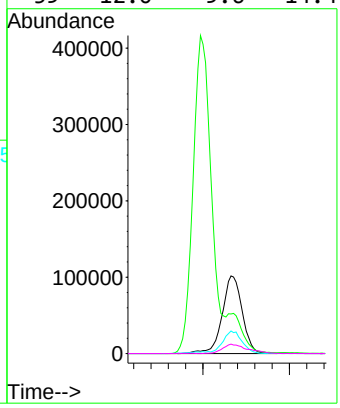
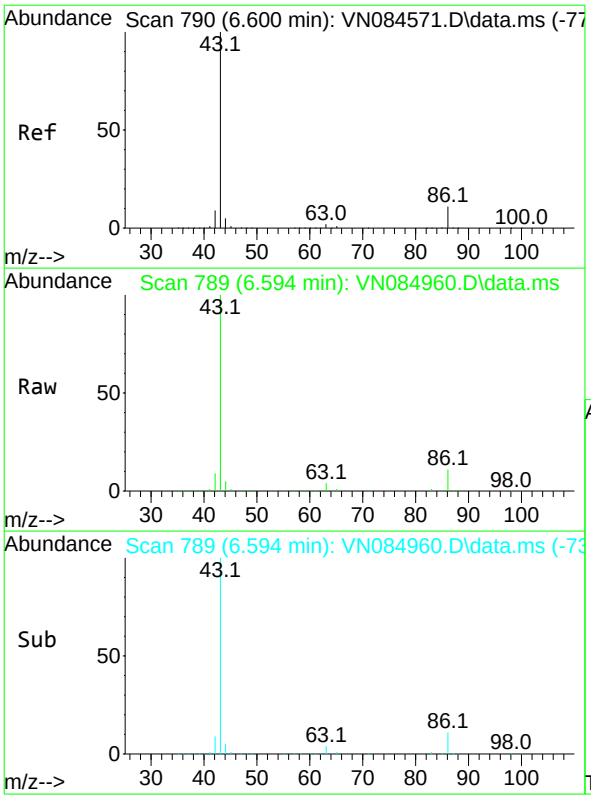


#22
Diisopropyl ether
Concen: 53.937 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 45 Resp: 326570

Ion	Ratio	Lower	Upper
45	100		
43	50.0	42.3	63.5
87	29.1	21.8	32.6
59	12.0	9.6	14.4

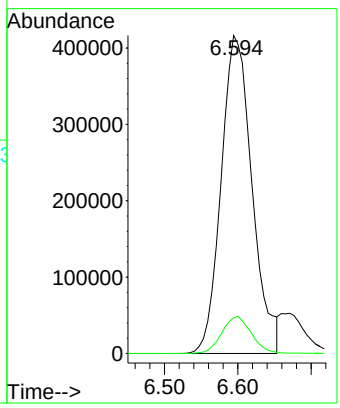




#23
Vinyl Acetate
Concen: 292.299 ug/l
RT: 6.594 min Scan# 78
Delta R.T. -0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 43 Resp: 1220460

Ion	Ratio	Lower	Upper
43	100		
86	11.2	8.6	12.8



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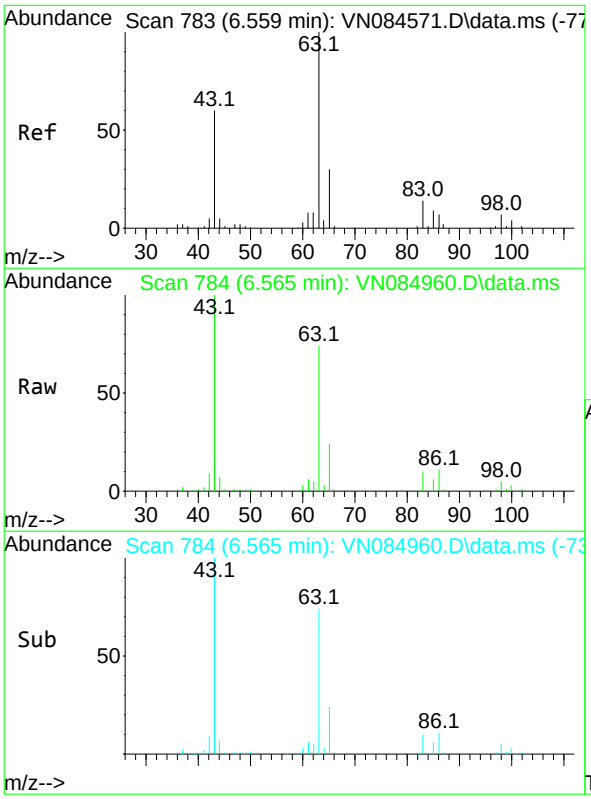
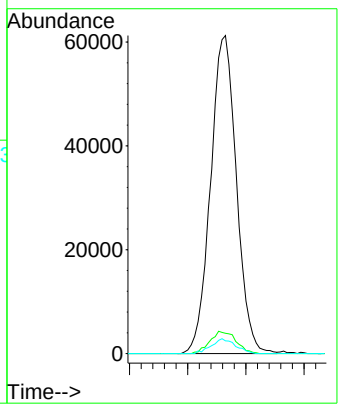
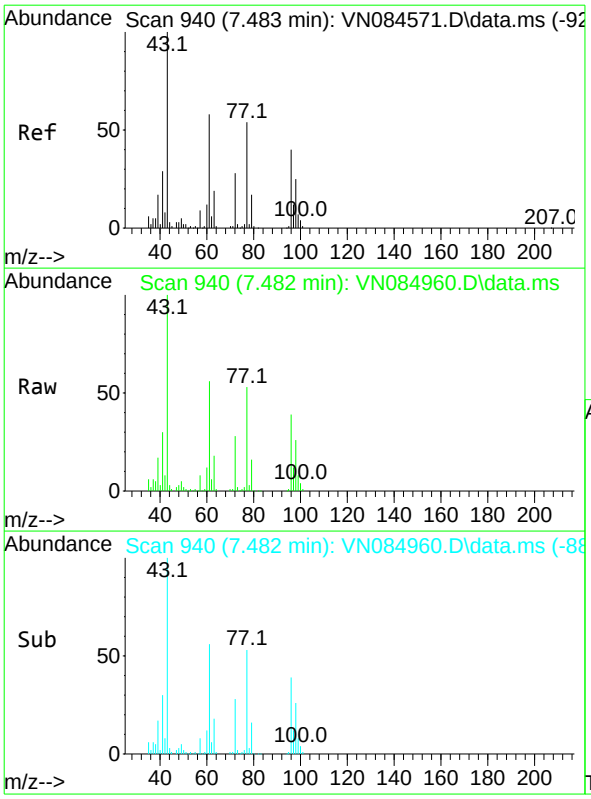


#24
1,1-Dichloroethane
Concen: 52.053 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 63 Resp: 189216

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.4	10.2
100	4.0	2.0	5.8

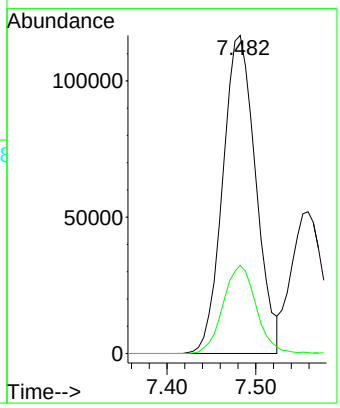




#25
2-Butanone
Concen: 271.102 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 43 Resp: 301402

Ion	Ratio	Lower	Upper
43	100		
72	27.7	21.4	32.2



Instrument :
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ClientSampleId :
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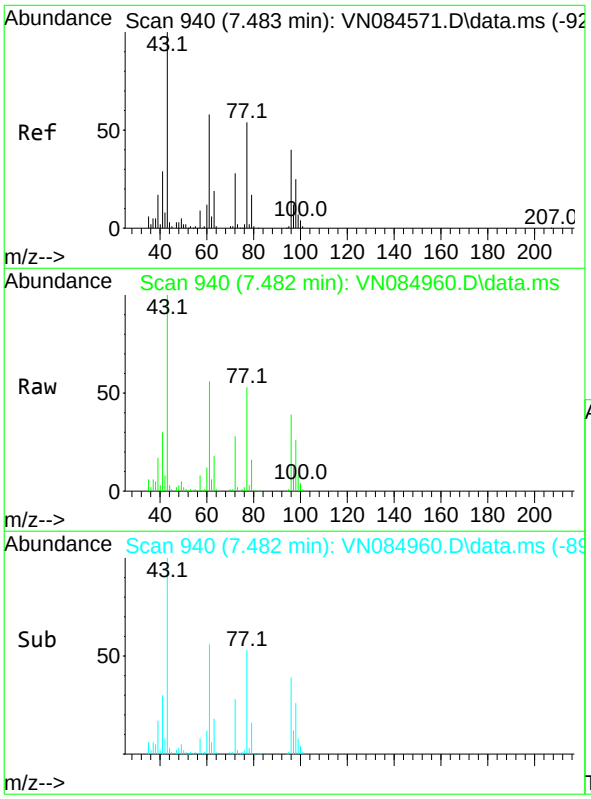
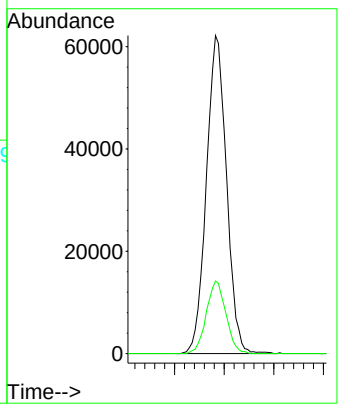
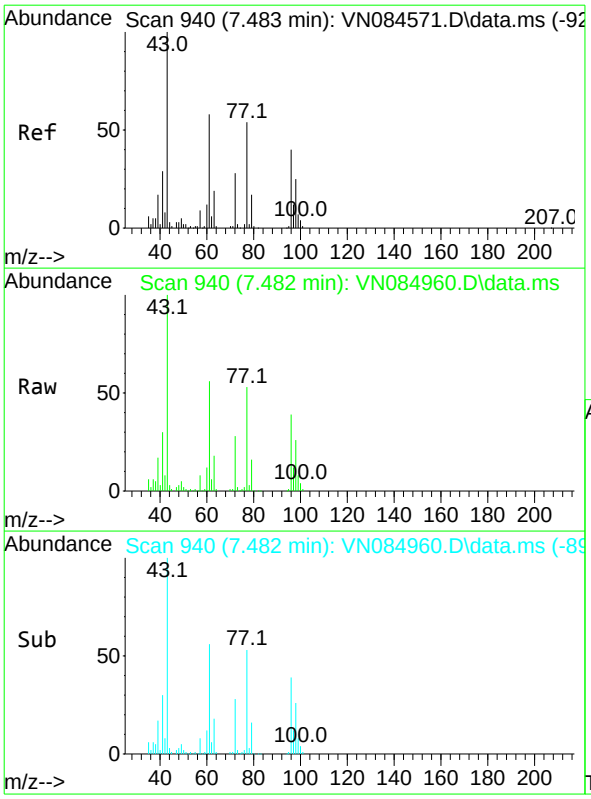


#26
2,2-Dichloropropane
Concen: 55.420 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 77 Resp: 175340

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.8	32.3

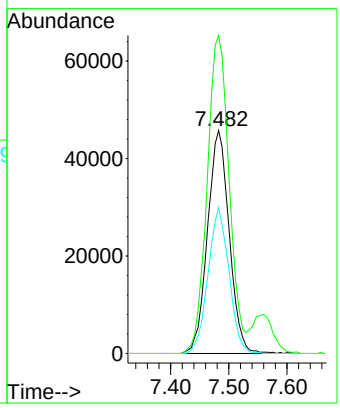




#27
cis-1,2-Dichloroethene
Concen: 52.668 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 96 Resp: 118648

Ion	Ratio	Lower	Upper
96	100		
61	144.8	0.0	301.8
98	63.1	0.0	128.2



Instrument :
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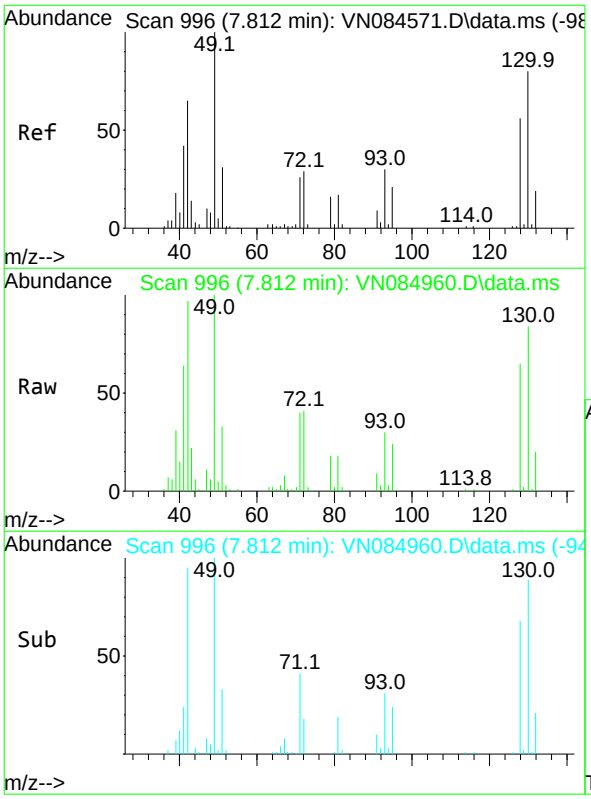
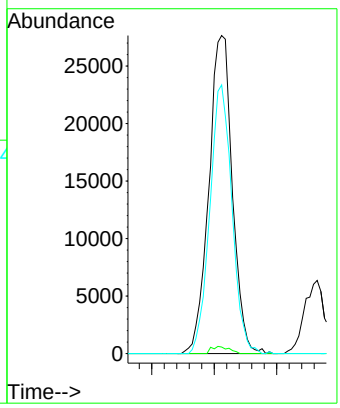
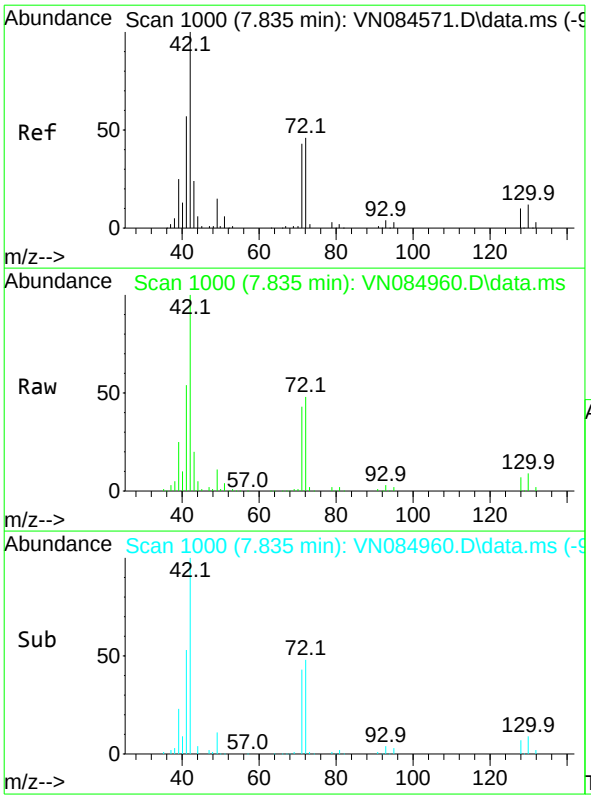


#28
Bromochloromethane
Concen: 49.917 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 49 Resp: 72293

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	79.4	58.0	87.0

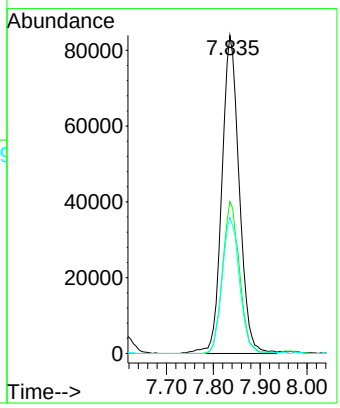




#29
Tetrahydrofuran
Concen: 293.003 ug/l
RT: 7.835 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 42 Resp: 216108

Ion	Ratio	Lower	Upper
42	100		
72	46.6	34.6	51.8
71	42.8	32.2	48.4



Instrument :
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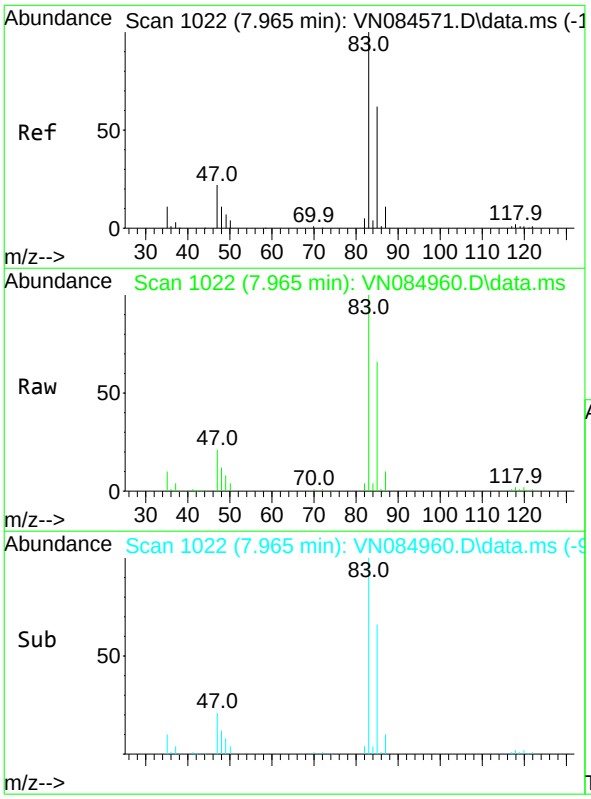
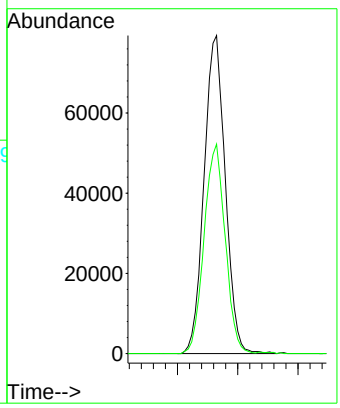
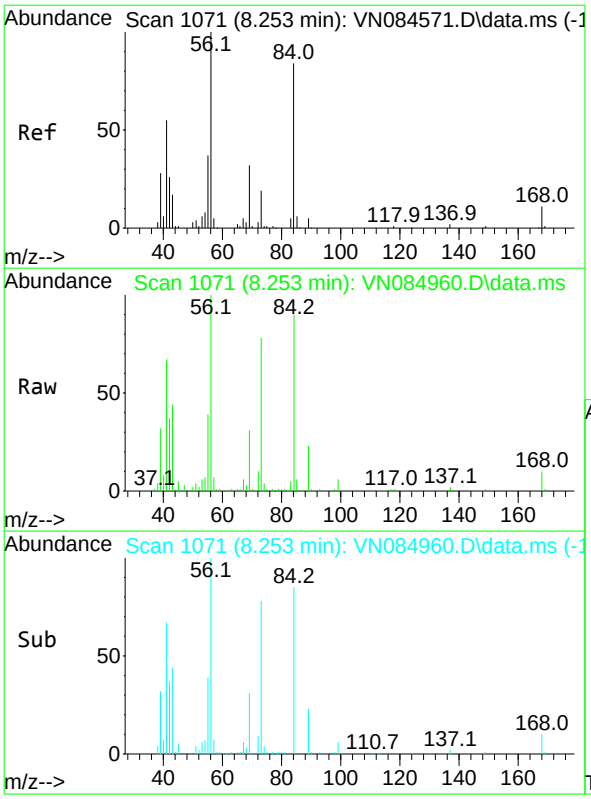


#30
Chloroform
Concen: 52.416 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 83 Resp: 193933

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.0	76.4

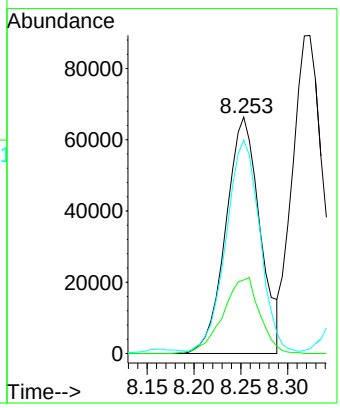




#31
Cyclohexane
Concen: 51.034 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 56 Resp: 167902

Ion	Ratio	Lower	Upper
56	100		
69	30.8	23.8	35.6
84	89.0	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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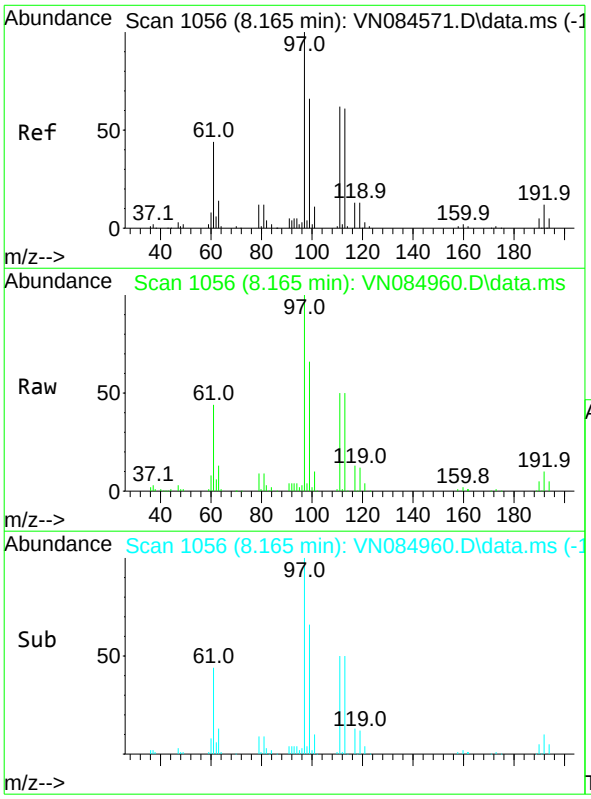
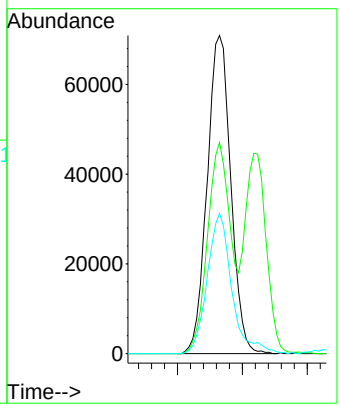
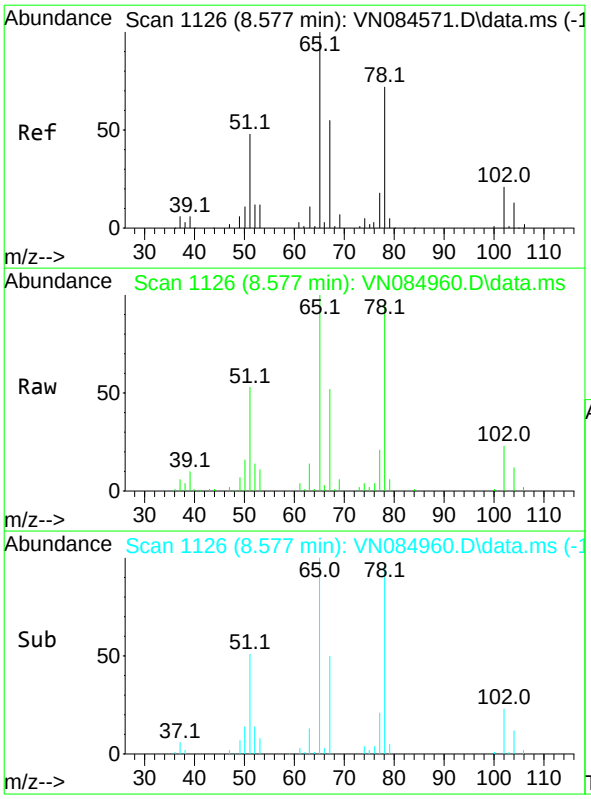


#32
1,1,1-Trichloroethane
Concen: 53.137 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 97 Resp: 178940

Ion	Ratio	Lower	Upper
97	100		
99	66.2	51.2	76.8
61	45.7	37.5	56.3

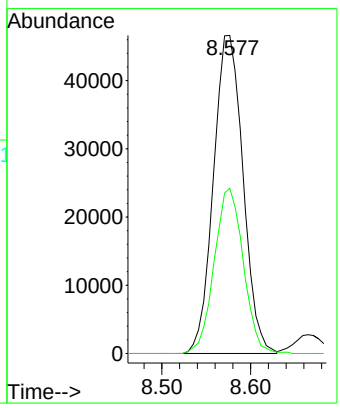




#33
1,2-Dichloroethane-d4
Concen: 45.219 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 65 Resp: 107759

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	102.0



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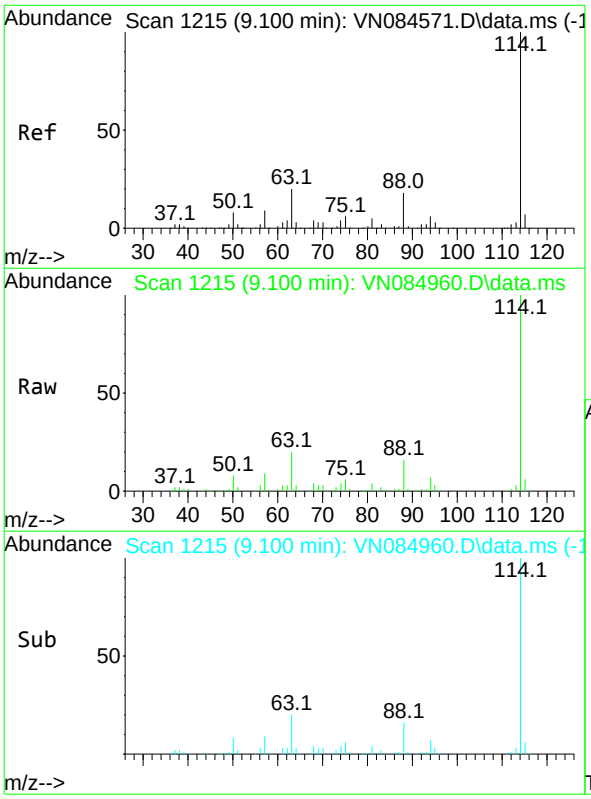
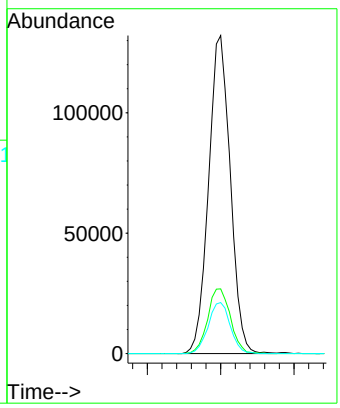
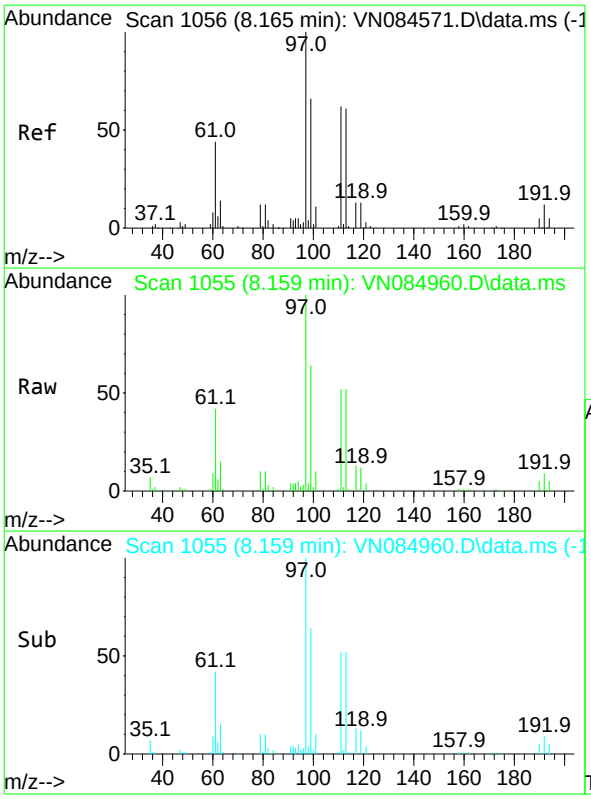


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:114 Resp: 271316

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	43.8
88	16.1	0.0	31.6

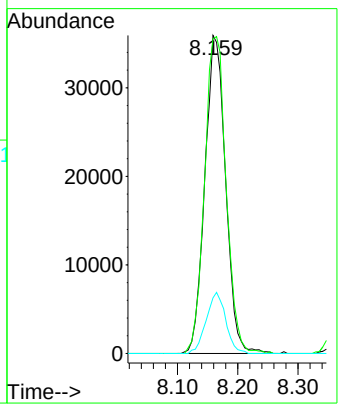




#35
Dibromofluoromethane
Concen: 46.769 ug/l
RT: 8.159 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:113 Resp: 85890

Ion	Ratio	Lower	Upper
113	100		
111	103.7	83.3	124.9
192	18.1	13.5	20.3



Instrument :
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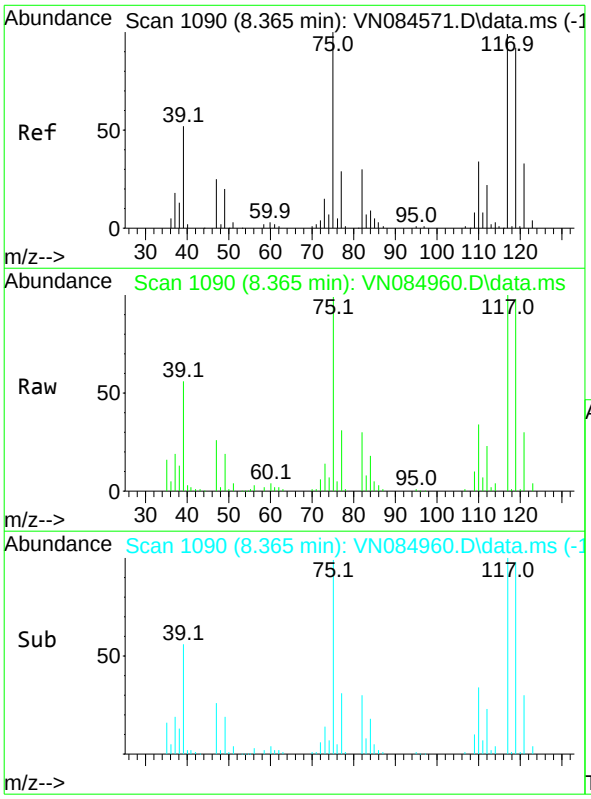
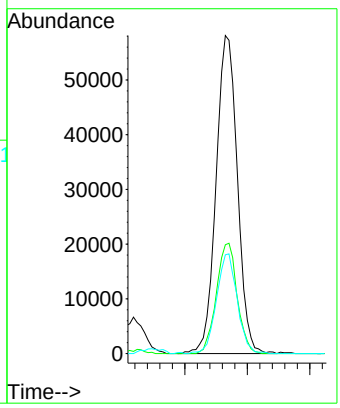
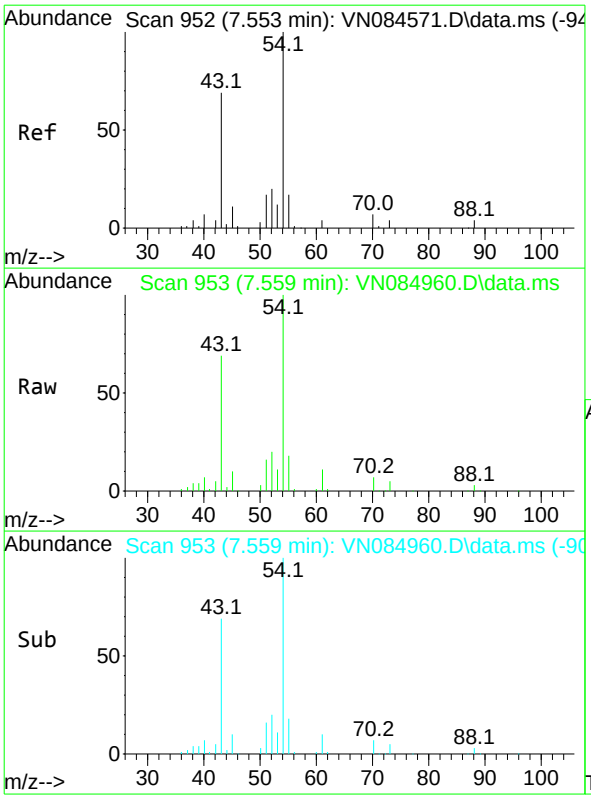


#36
1,1-Dichloropropene
Concen: 54.113 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 75 Resp: 137824

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.7
77	30.5	24.7	37.1

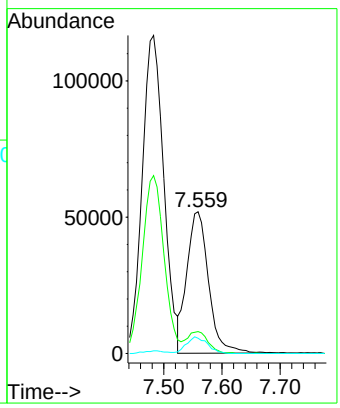




#37
Ethyl Acetate
Concen: 58.292 ug/l
RT: 7.559 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 43 Resp: 134705

Ion	Ratio	Lower	Upper
43	100		
61	15.2	10.7	16.1
70	11.2	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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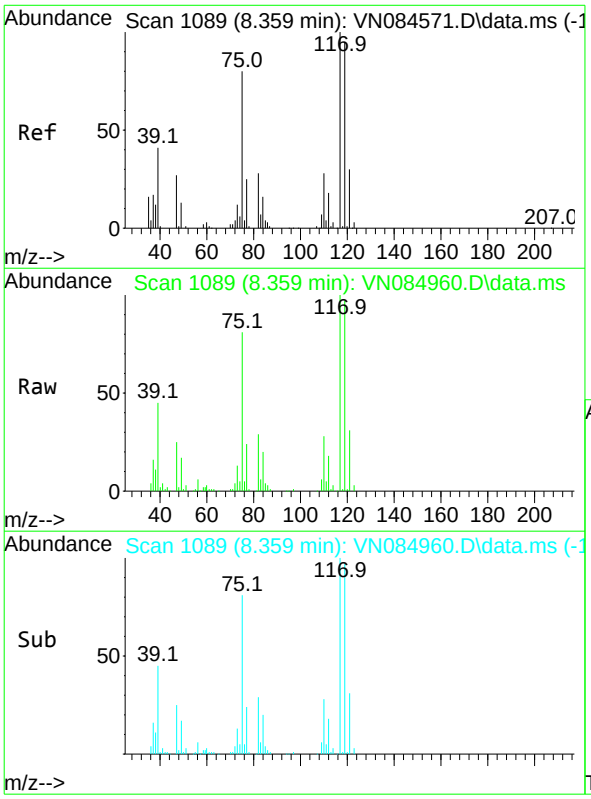
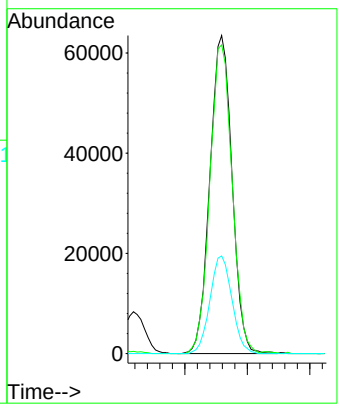
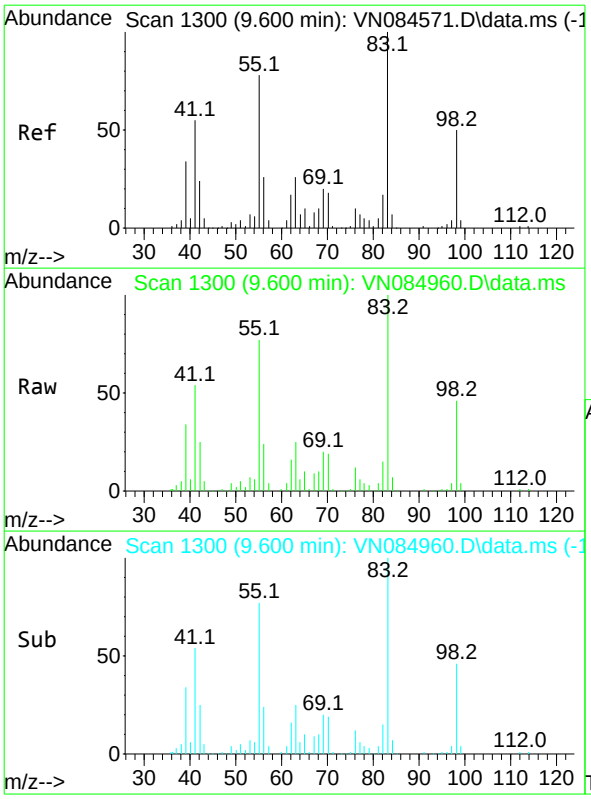


#38
Carbon Tetrachloride
Concen: 54.908 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:117 Resp: 156315

Ion	Ratio	Lower	Upper
117	100		
119	97.1	78.7	118.1
121	30.7	24.4	36.6

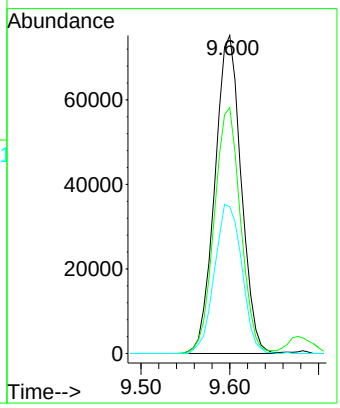




#39
Methylcyclohexane
Concen: 59.777 ug/l
RT: 9.600 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 83 Resp: 154889

Ion	Ratio	Lower	Upper
83	100		
55	77.3	62.8	94.2
98	46.1	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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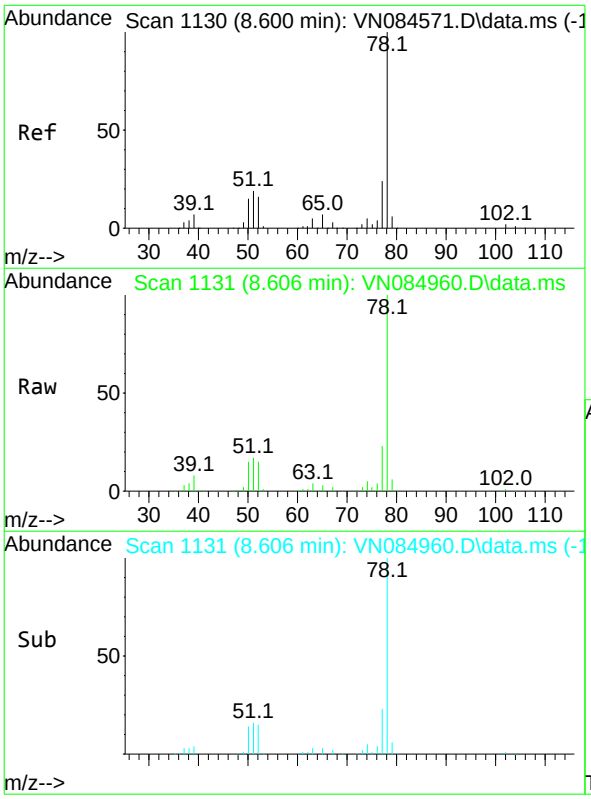
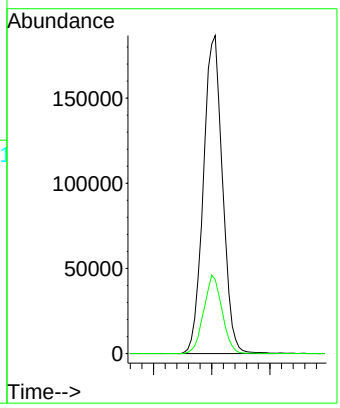
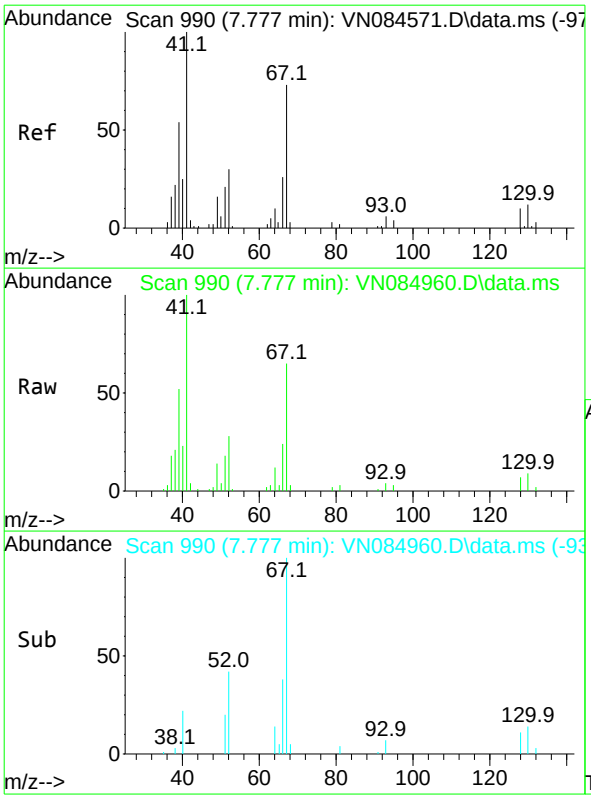


#40
Benzene
Concen: 52.170 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 78 Resp: 426723

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.1	28.7

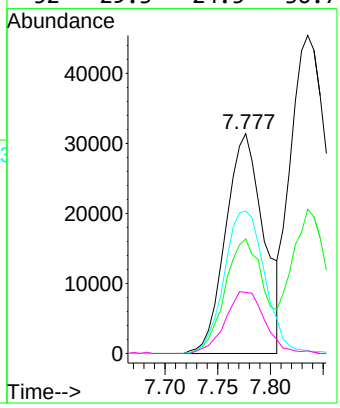




#41
Methacrylonitrile
Concen: 63.513 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 41 Resp: 78926

Ion	Ratio	Lower	Upper
41	100		
39	53.6	43.3	64.9
67	69.3	56.1	84.1
52	29.3	24.5	36.7



Instrument :
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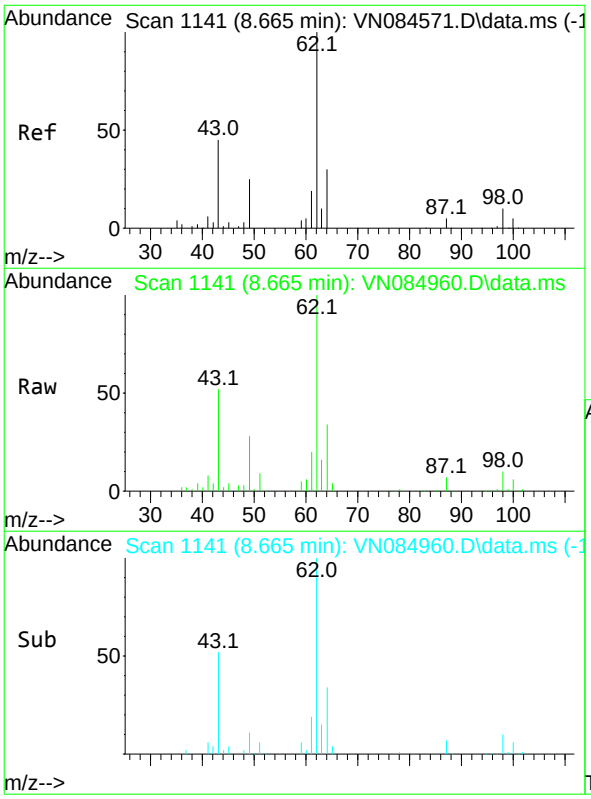
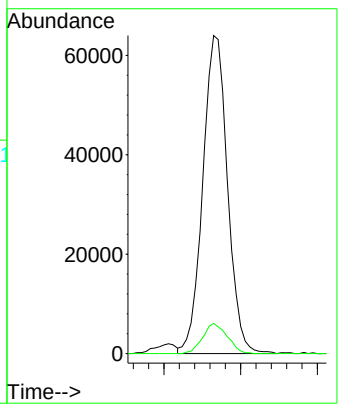
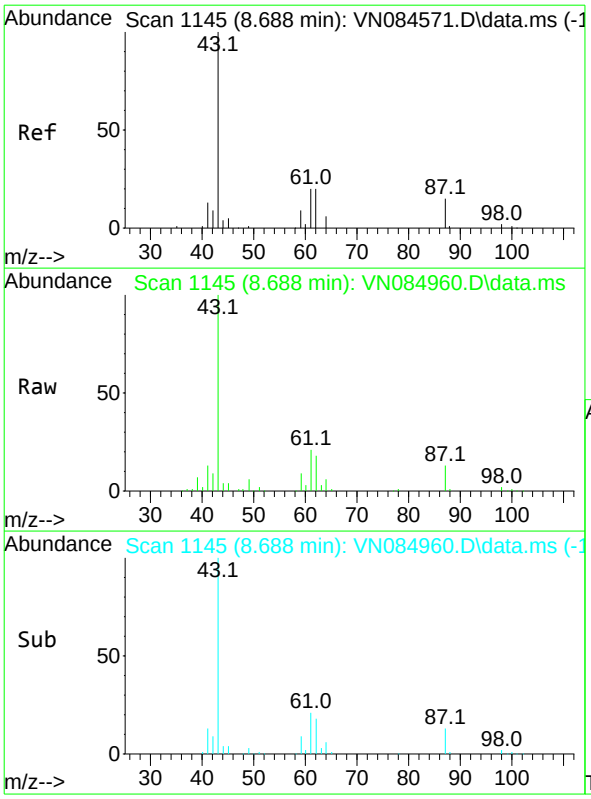


#42
1,2-Dichloroethane
Concen: 54.090 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 62 Resp: 143286

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.2

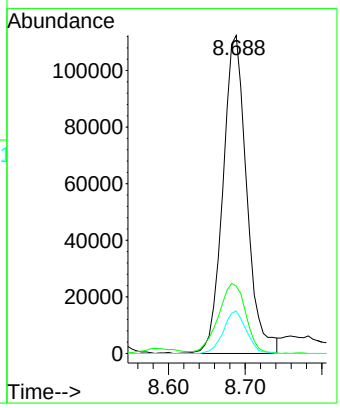




#43
Isopropyl Acetate
Concen: 56.930 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 43 Resp: 242469

Ion	Ratio	Lower	Upper
43	100		
61	25.5	20.4	30.6
87	12.9	10.3	15.5



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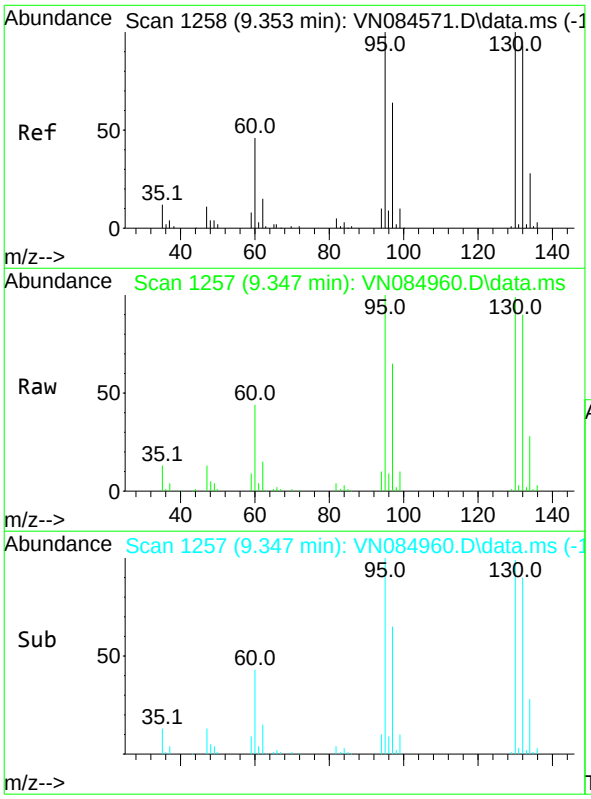
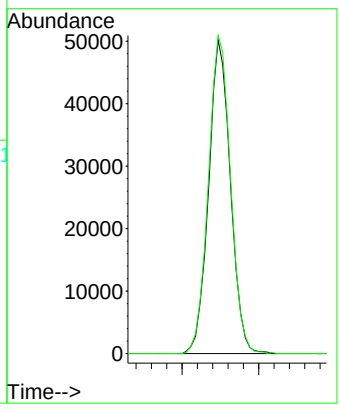
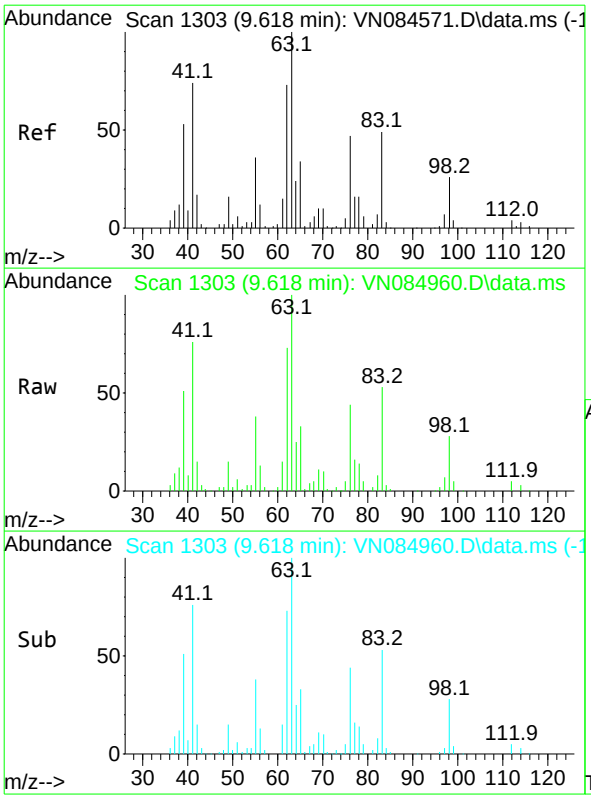


#44
Trichloroethene
Concen: 52.511 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:130 Resp: 99056

Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	203.0

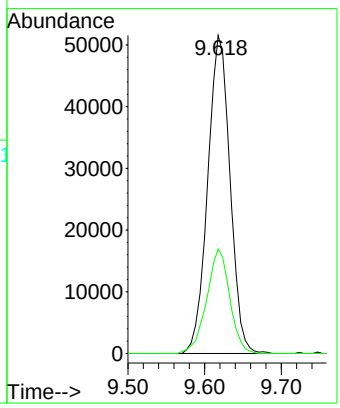




#45
1,2-Dichloropropane
Concen: 54.331 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 63 Resp: 104248

Ion	Ratio	Lower	Upper
63	100		
65	32.9	24.6	37.0



Instrument :
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ClientSampleId :
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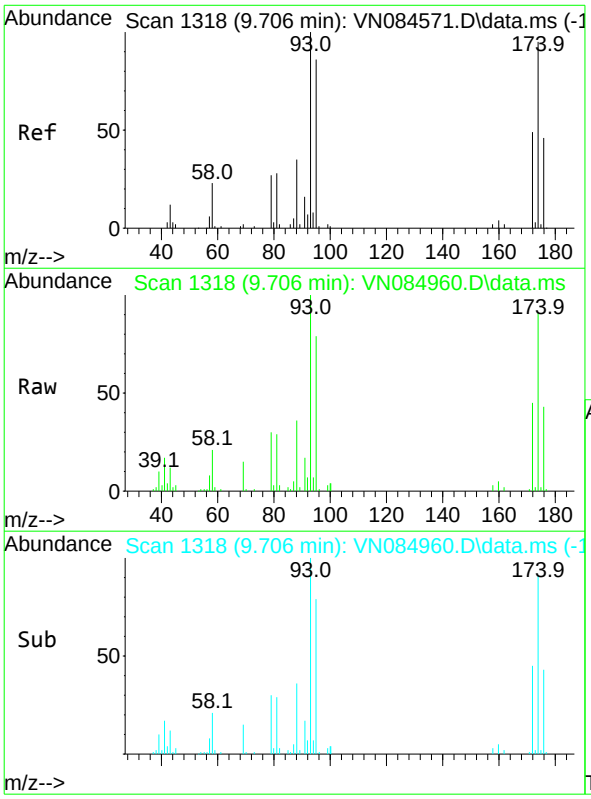
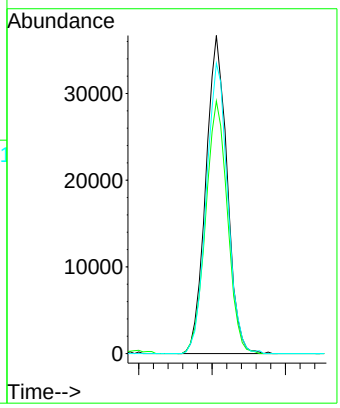
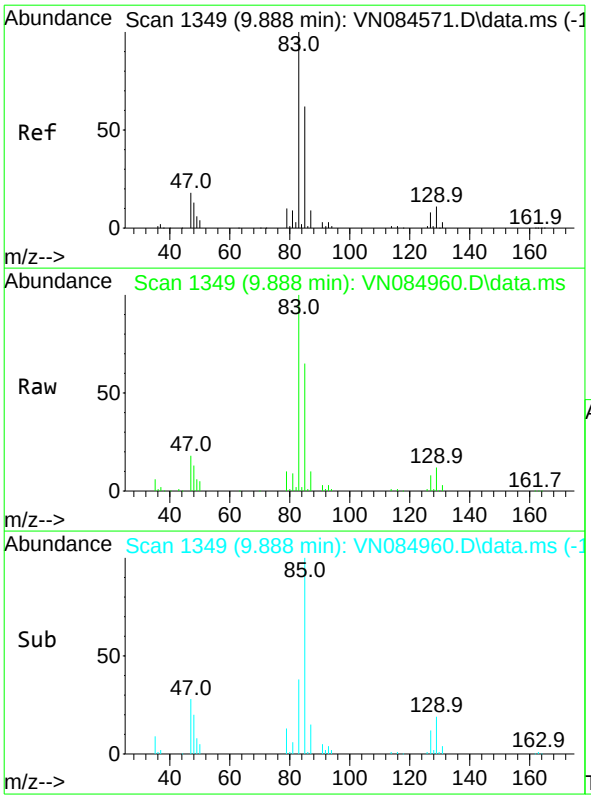


#46
Dibromomethane
Concen: 54.624 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 93 Resp: 73957

Ion	Ratio	Lower	Upper
93	100		
95	80.8	65.0	97.4
174	91.4	71.8	107.8

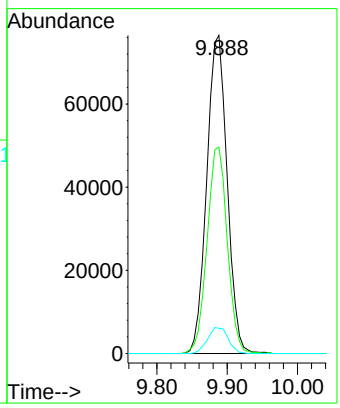




#47
Bromodichloromethane
Concen: 54.053 ug/l
RT: 9.888 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 83 Resp: 154269

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.5	77.3
127	7.9	5.7	8.5



Instrument :
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ClientSampleId :
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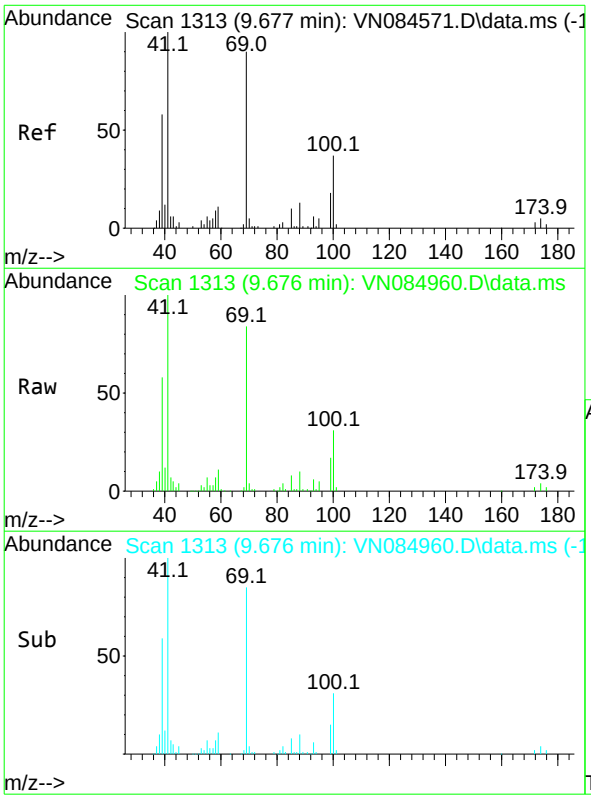
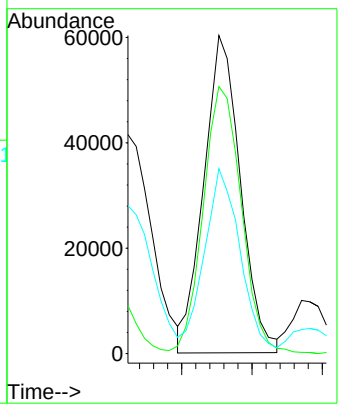
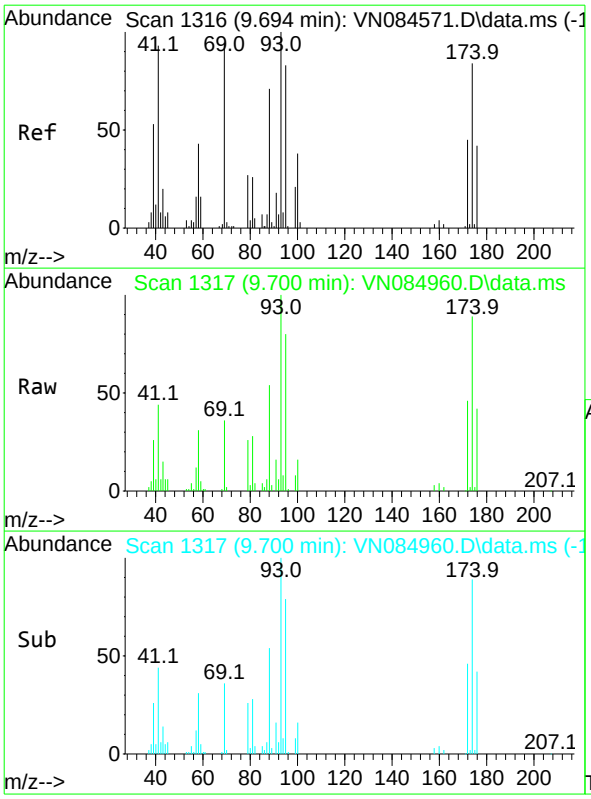


#48
Methyl methacrylate
Concen: 60.645 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 41 Resp: 109069

Ion	Ratio	Lower	Upper
41	100		
69	87.6	67.1	100.7
39	57.6	45.8	68.6

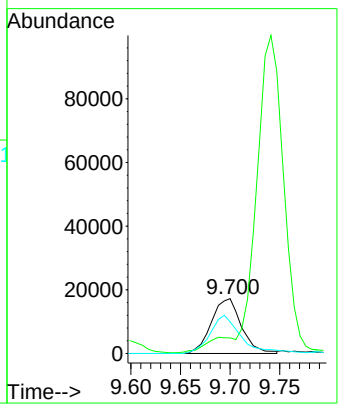




#49
1,4-Dioxane
Concen: 1139.408 ug/l
RT: 9.700 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 88 Resp: 36313

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	72.1	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
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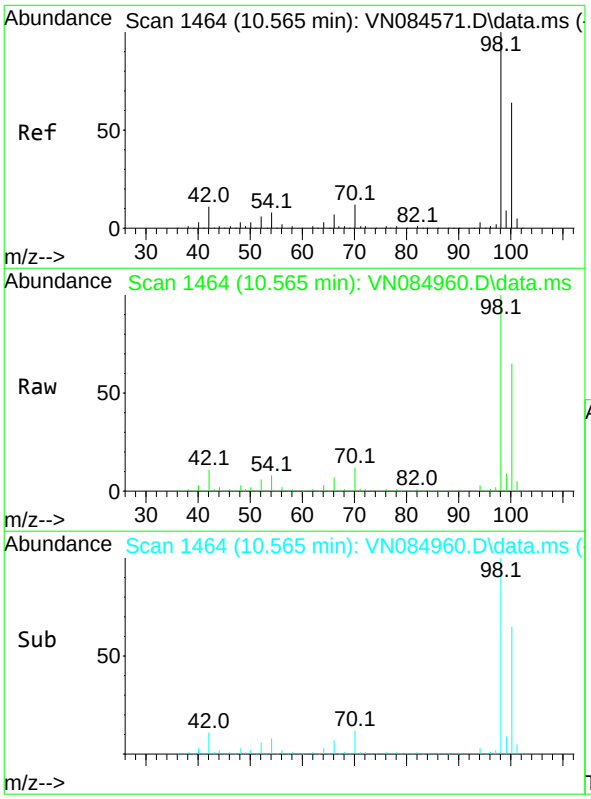
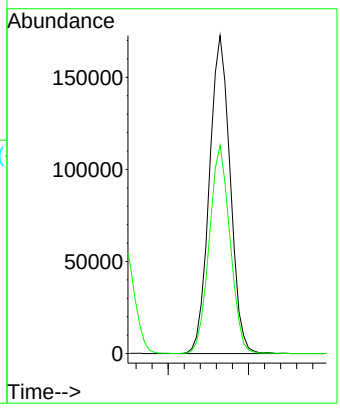
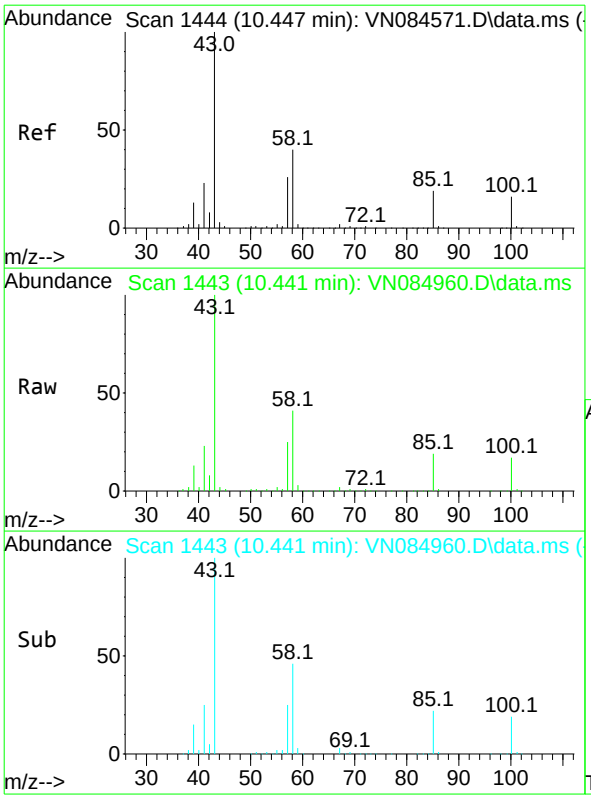


#50
Toluene-d8
Concen: 45.930 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 98 Resp: 310714

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.7	79.1

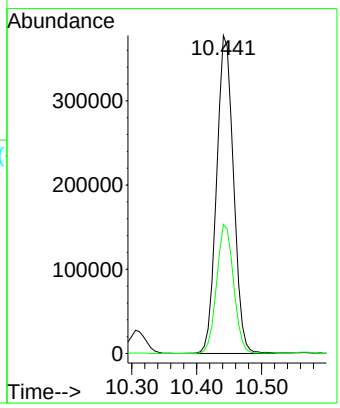




#51
4-Methyl-2-Pentanone
Concen: 310.450 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 43 Resp: 683902

Ion	Ratio	Lower	Upper
43	100		
58	40.7	31.6	47.4



Instrument :
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ClientSampleId :
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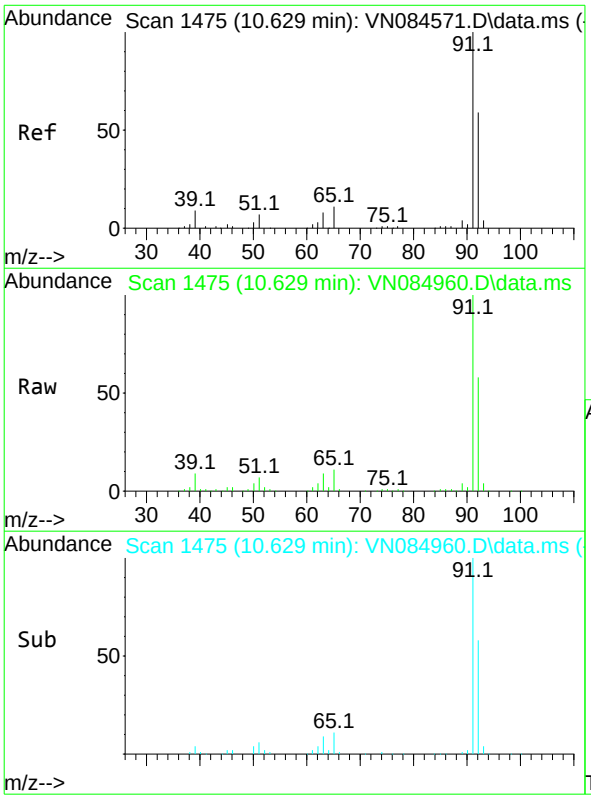
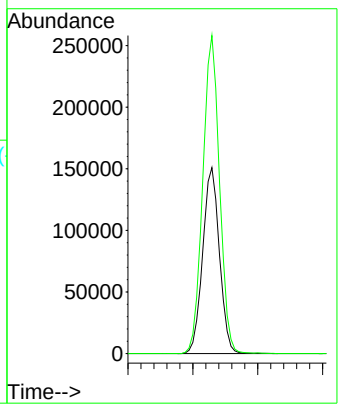
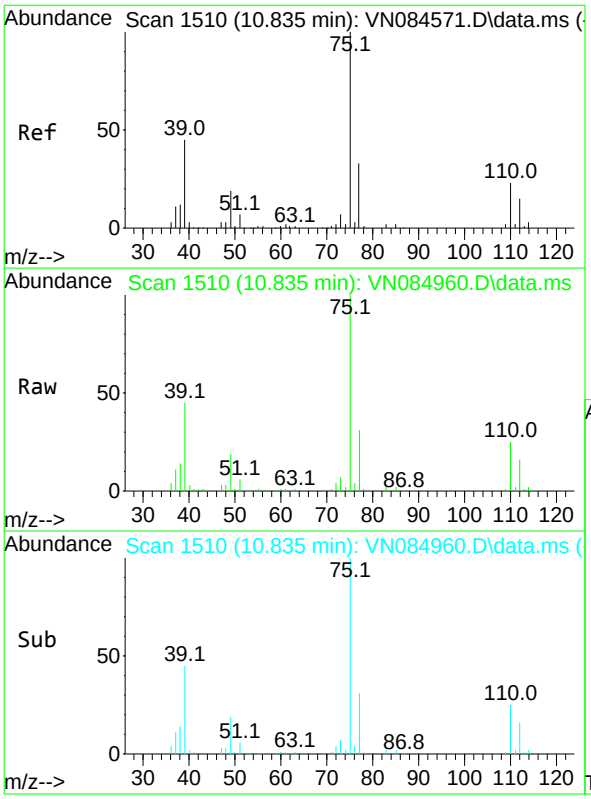


#52
Toluene
Concen: 56.456 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 92 Resp: 270072

Ion	Ratio	Lower	Upper
92	100		
91	171.2	137.3	205.9

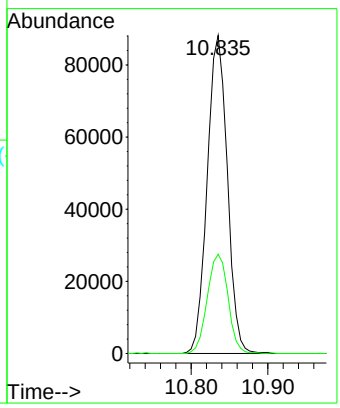




#53
t-1,3-Dichloropropene
Concen: 54.366 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 75 Resp: 160608

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.0



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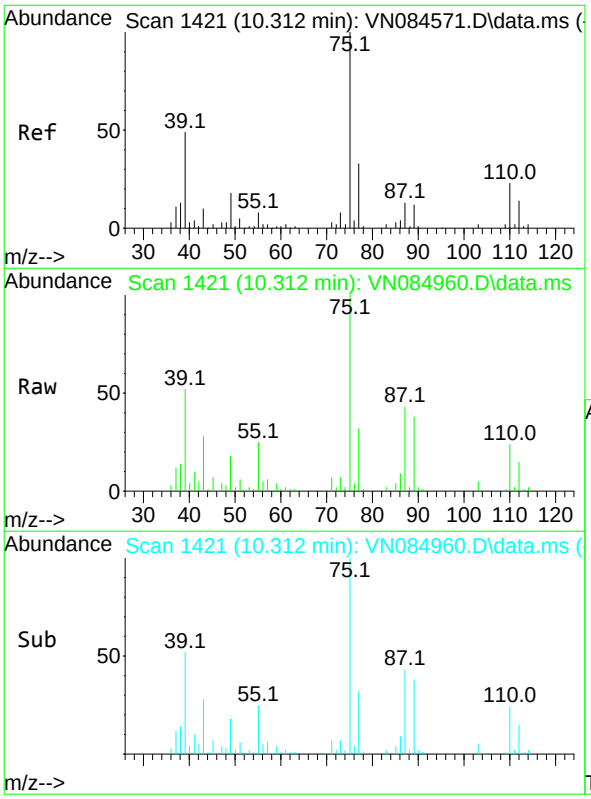
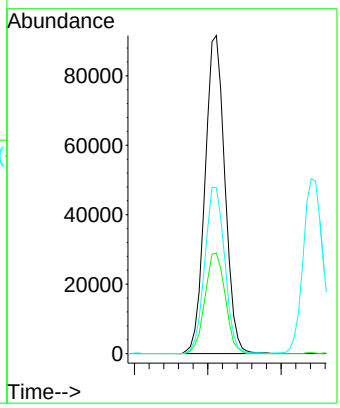
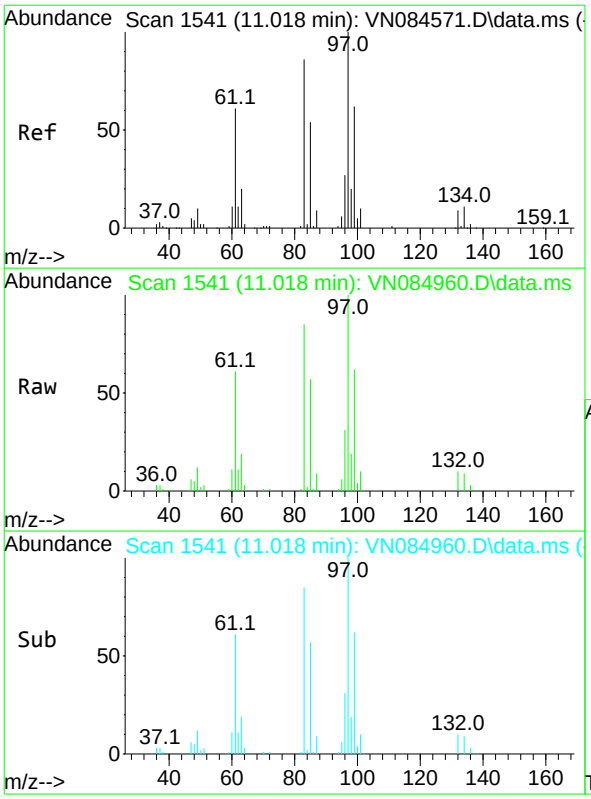


#54
cis-1,3-Dichloropropene
Concen: 55.045 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 75 Resp: 172110

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.2	36.2
39	52.1	38.7	58.1

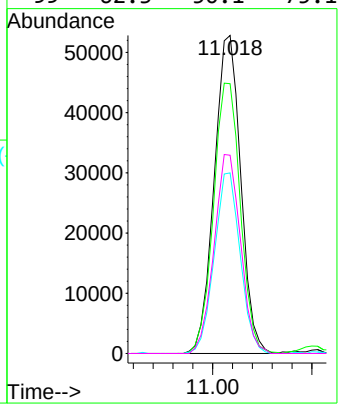




#55
1,1,2-Trichloroethane
Concen: 54.394 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 97 Resp: 98018

Ion	Ratio	Lower	Upper
97	100		
83	84.8	71.0	106.4
85	56.8	41.7	62.5
99	62.3	50.1	75.1



Instrument :
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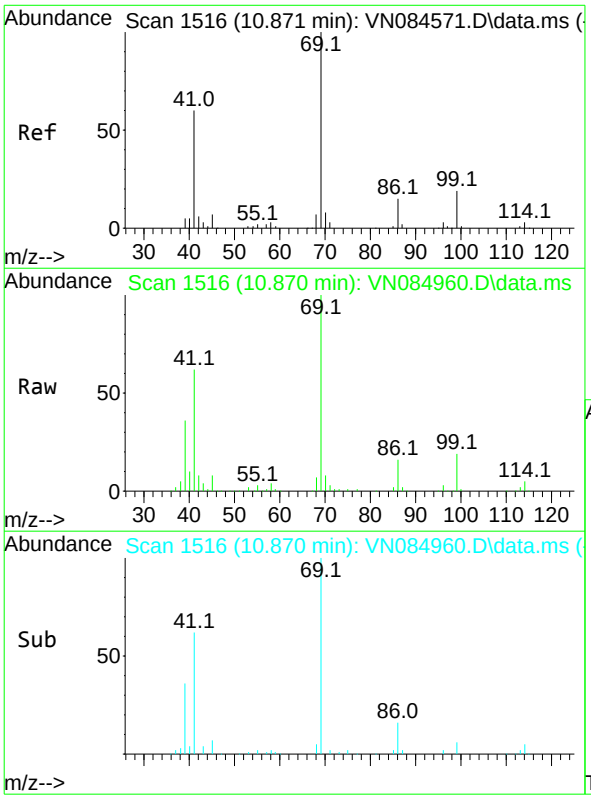
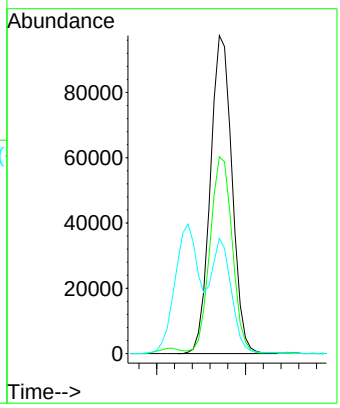
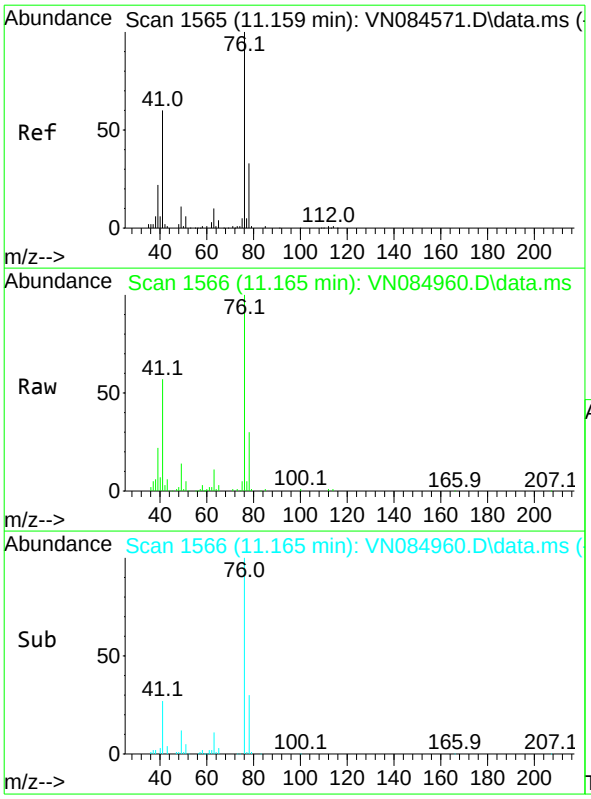


#56
Ethyl methacrylate
Concen: 63.590 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 69 Resp: 165749

Ion	Ratio	Lower	Upper
69	100		
41	63.0	53.3	79.9
39	34.4	28.8	43.2

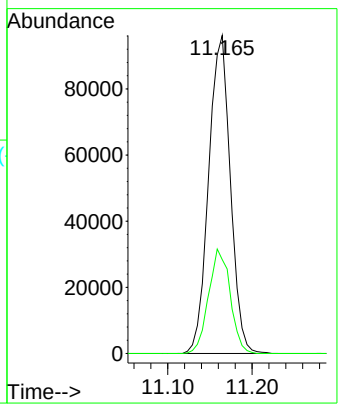




#57
1,3-Dichloropropane
Concen: 55.619 ug/l
RT: 11.165 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 76 Resp: 172010

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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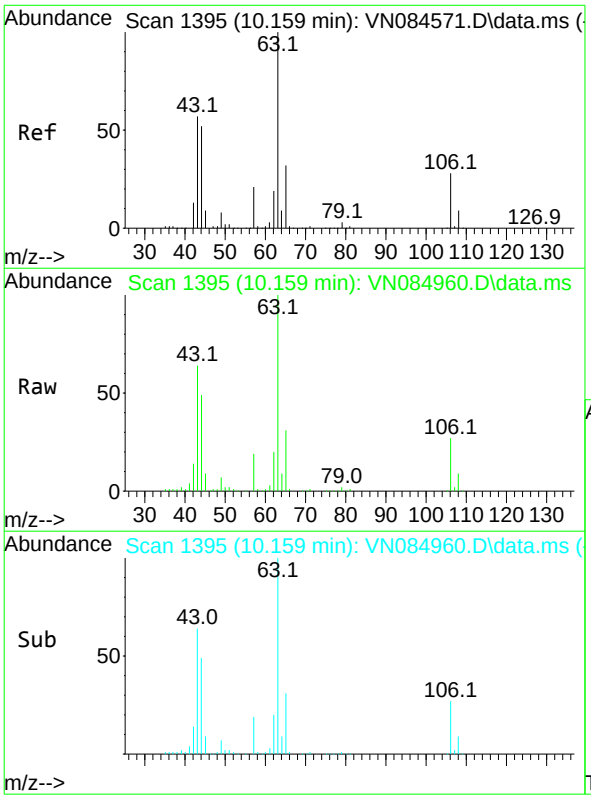
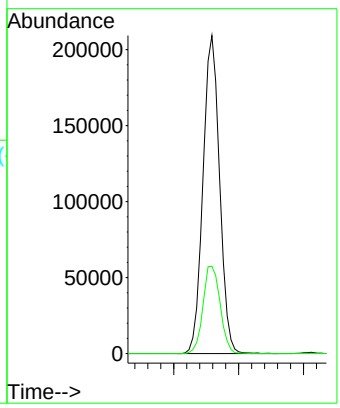
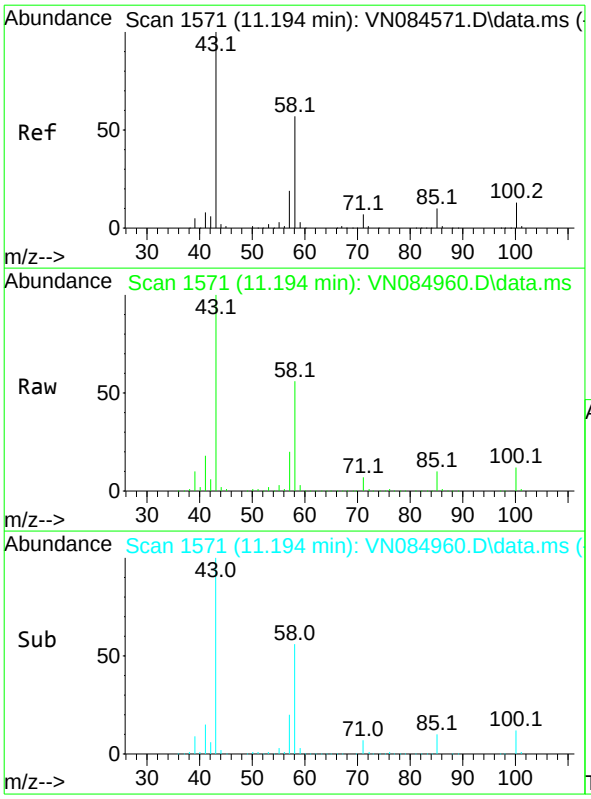


#58
2-Chloroethyl Vinyl ether
Concen: 304.461 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 63 Resp: 371343

Ion	Ratio	Lower	Upper
63	100		
106	28.5	21.8	32.6

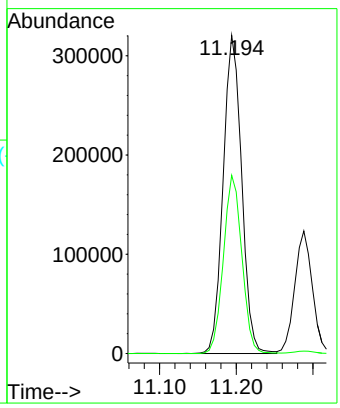




#59
2-Hexanone
Concen: 334.603 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 43 Resp: 536530

Ion	Ratio	Lower	Upper
43	100		
58	55.8	27.3	81.8



Instrument :
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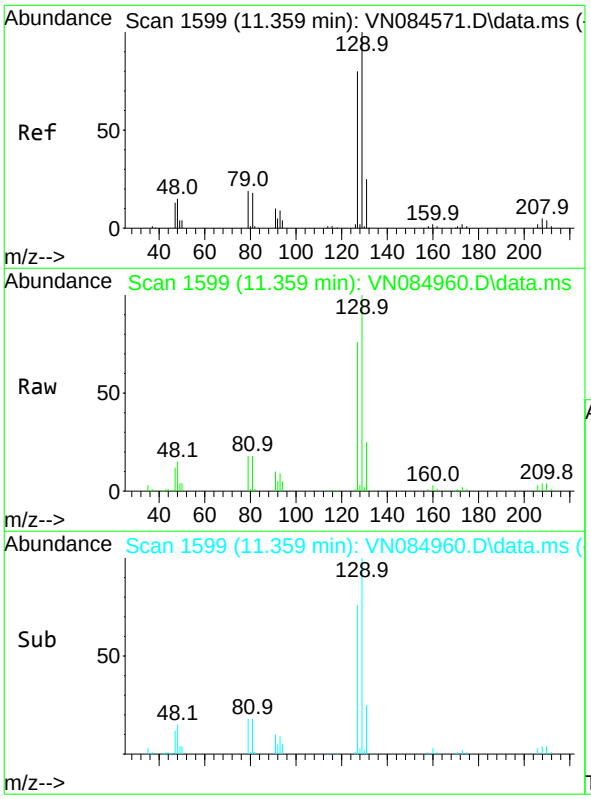
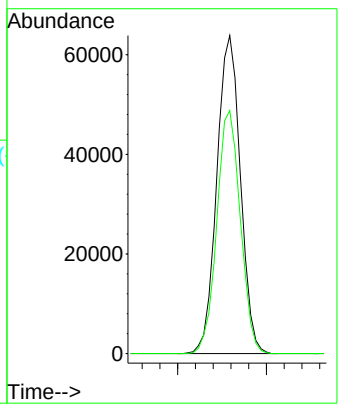
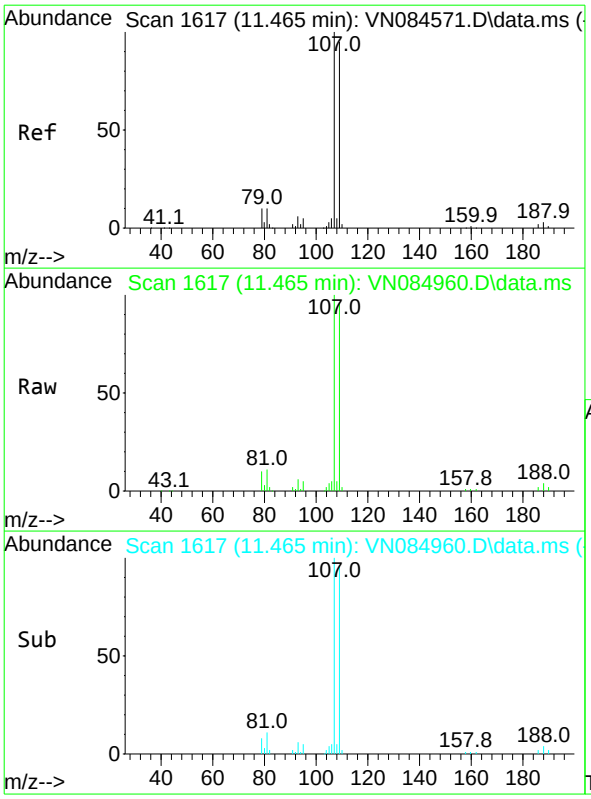


#60
Dibromochloromethane
Concen: 57.305 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:129 Resp: 117689

Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.3	114.9

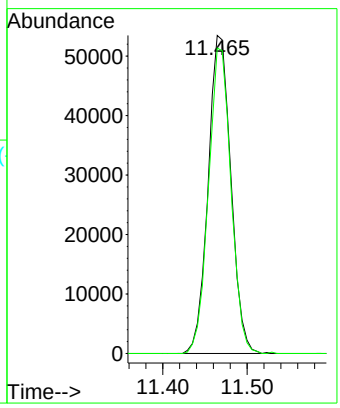




#61
1,2-Dibromoethane
Concen: 54.368 ug/l
RT: 11.465 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:107 Resp: 100326

Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.4	113.0



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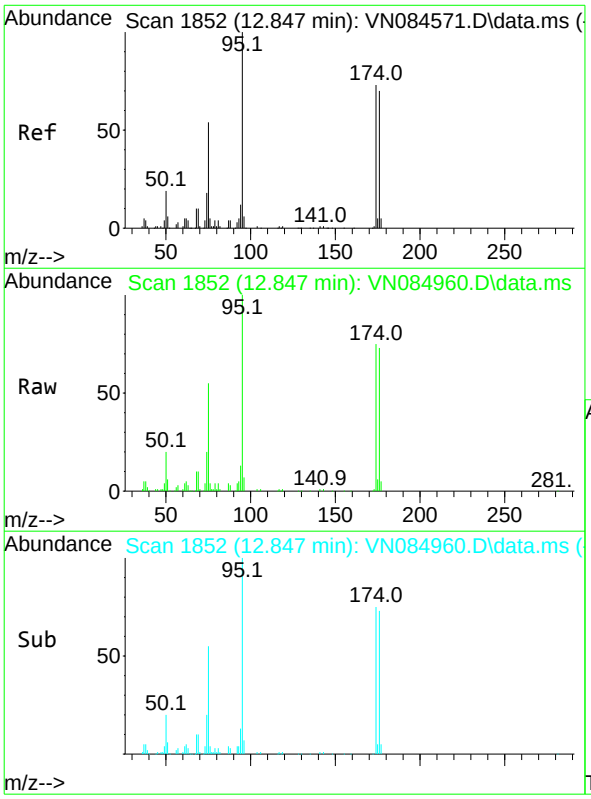
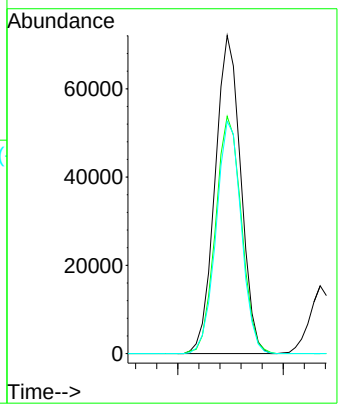
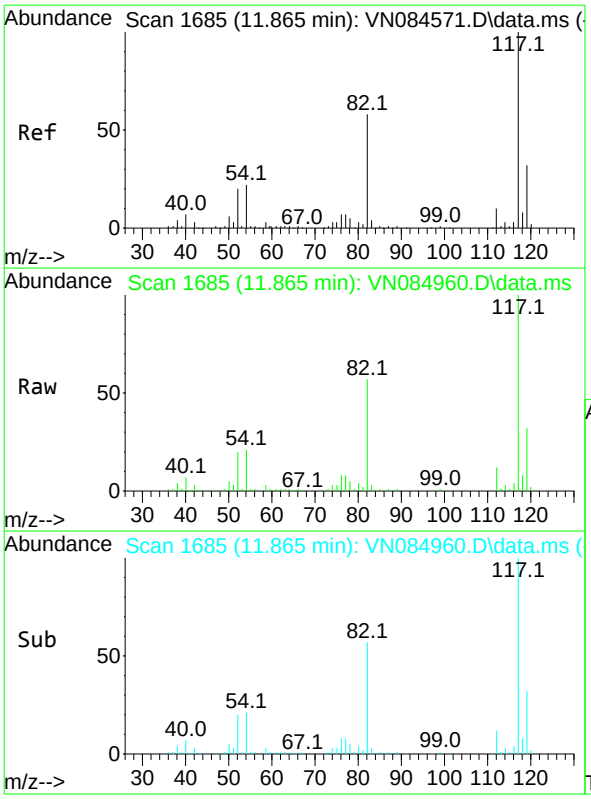


#62
4-Bromofluorobenzene
Concen: 48.235 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 95 Resp: 121953

Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	145.2
176	71.6	0.0	140.0

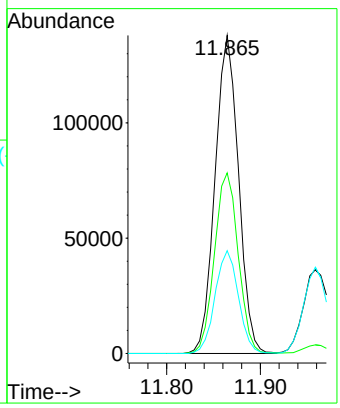




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:117 Resp: 240365

Ion	Ratio	Lower	Upper
117	100		
82	56.8	47.2	70.8
119	32.3	25.4	38.0



Instrument :
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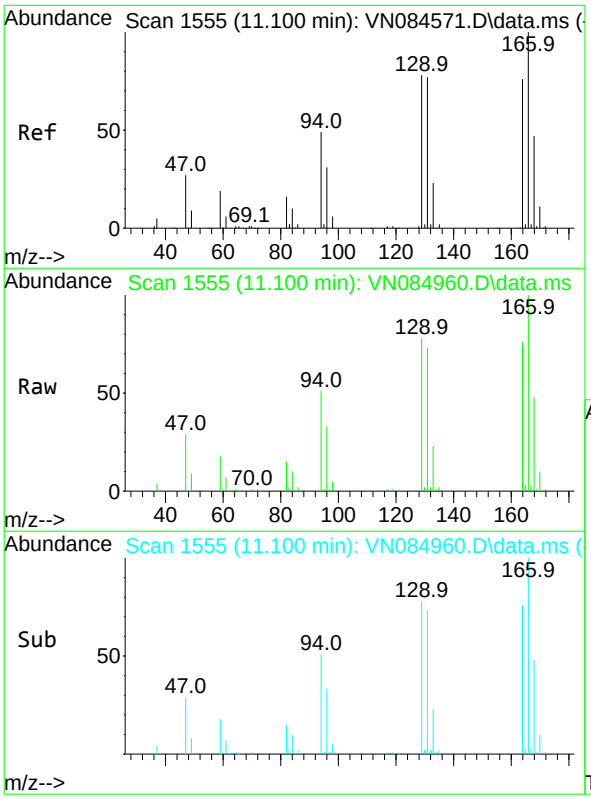
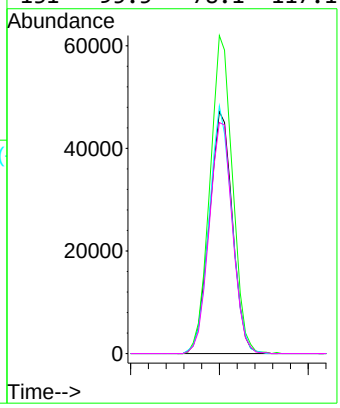
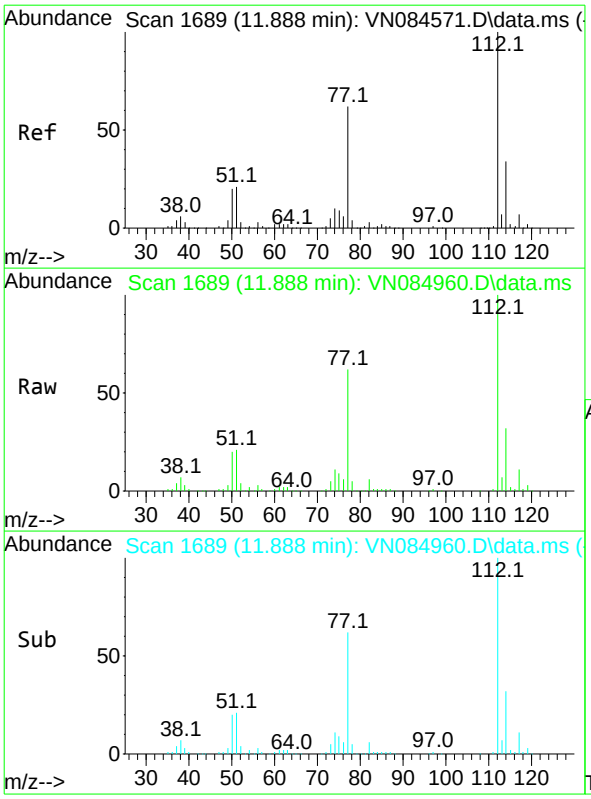


#64
Tetrachloroethene
Concen: 53.532 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:164 Resp: 85588

Ion	Ratio	Lower	Upper
164	100		
166	131.5	101.0	151.4
129	102.4	80.8	121.2
131	95.5	78.1	117.1

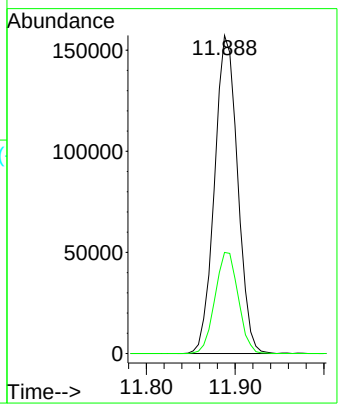




#65
Chlorobenzene
Concen: 52.828 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:112 Resp: 284076

Ion	Ratio	Lower	Upper
112	100		
114	31.8	27.0	40.6



Instrument :
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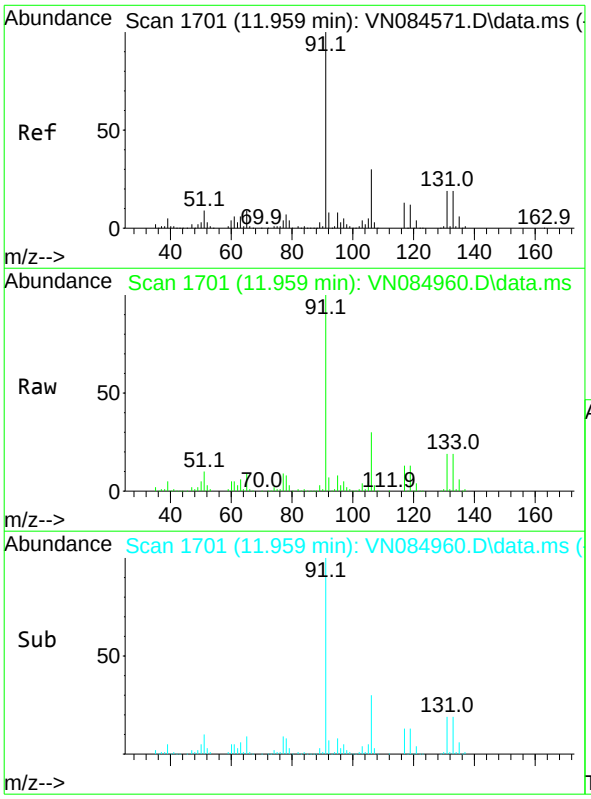
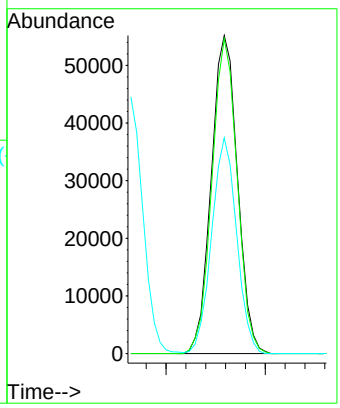
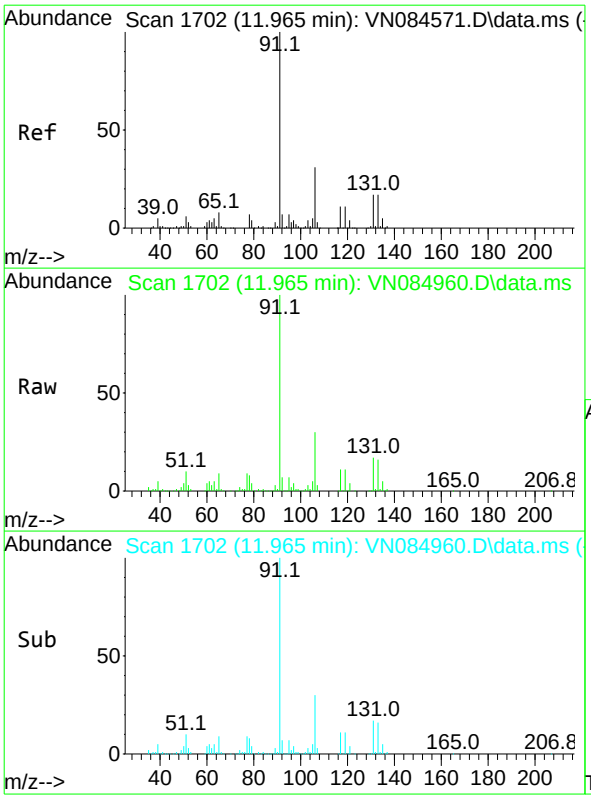


#66
1,1,1,2-Tetrachloroethane
Concen: 54.146 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:131 Resp: 101276

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.9	143.7
119	64.7	32.8	98.3

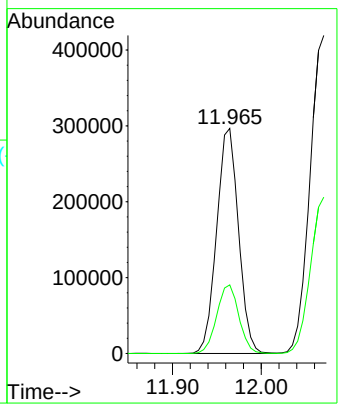




#67
Ethyl Benzene
Concen: 56.556 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 91 Resp: 507651

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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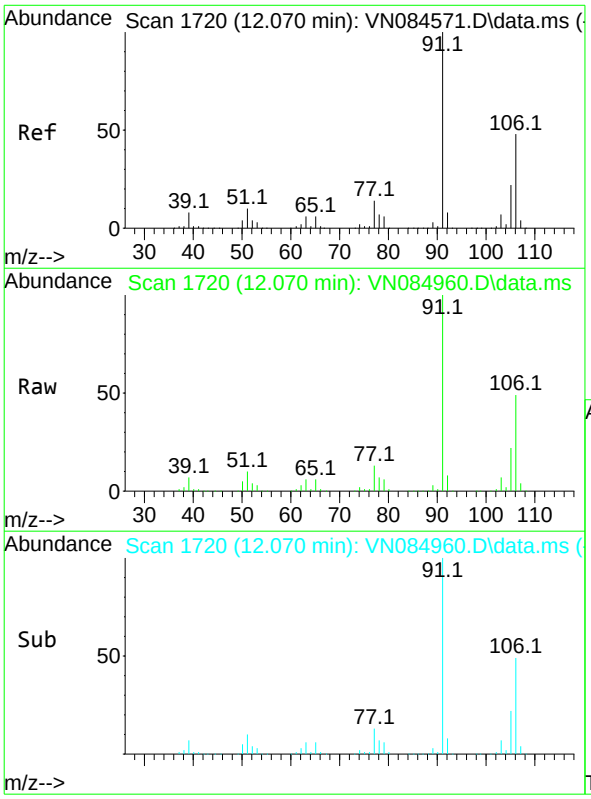
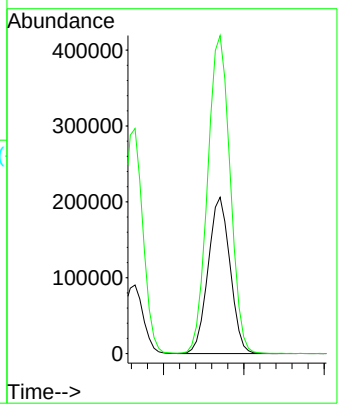
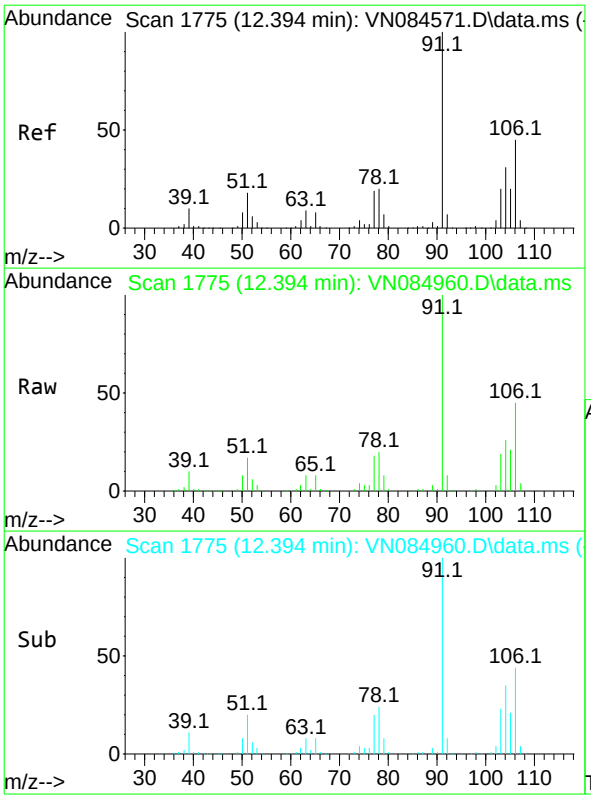


#68
m/p-Xylenes
Concen: 115.337 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:106 Resp: 391940

Ion	Ratio	Lower	Upper
106	100		
91	208.3	167.1	250.7

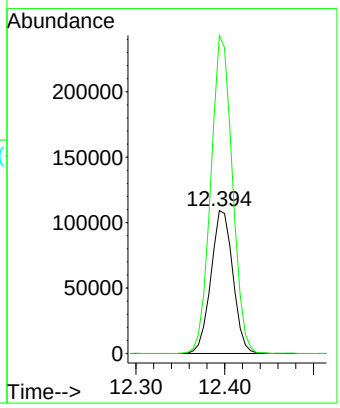




#69
o-Xylene
Concen: 58.928 ug/l
RT: 12.394 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:106 Resp: 187331

Ion	Ratio	Lower	Upper
106	100		
91	219.3	110.2	330.6



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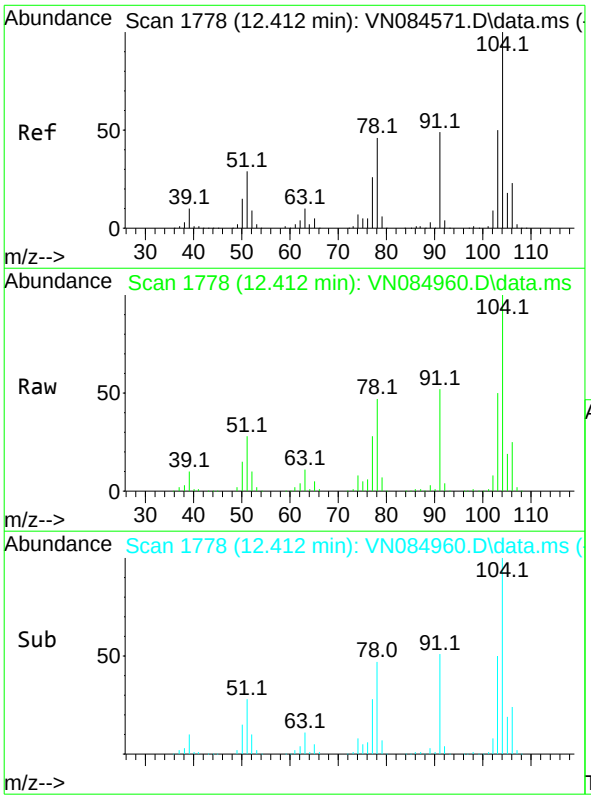
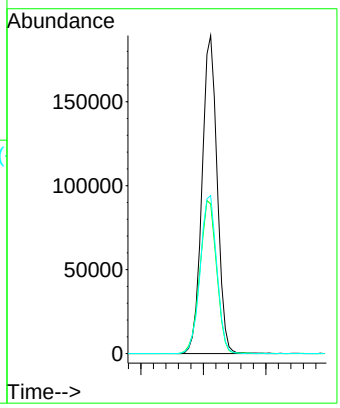
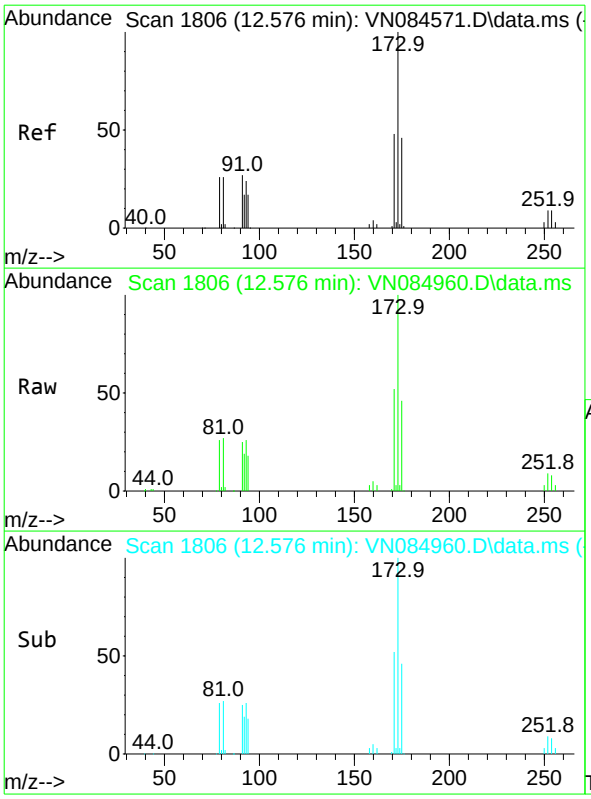


#70
Styrene
Concen: 57.589 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:104 Resp: 319362

Ion	Ratio	Lower	Upper
104	100		
78	53.0	42.7	64.1
103	54.3	43.6	65.4

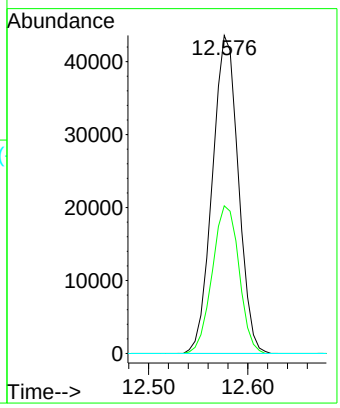




#71
Bromoform
Concen: 56.375 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:173 Resp: 79345

Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.5	70.6
254	0.0	0.0	0.0



Instrument :
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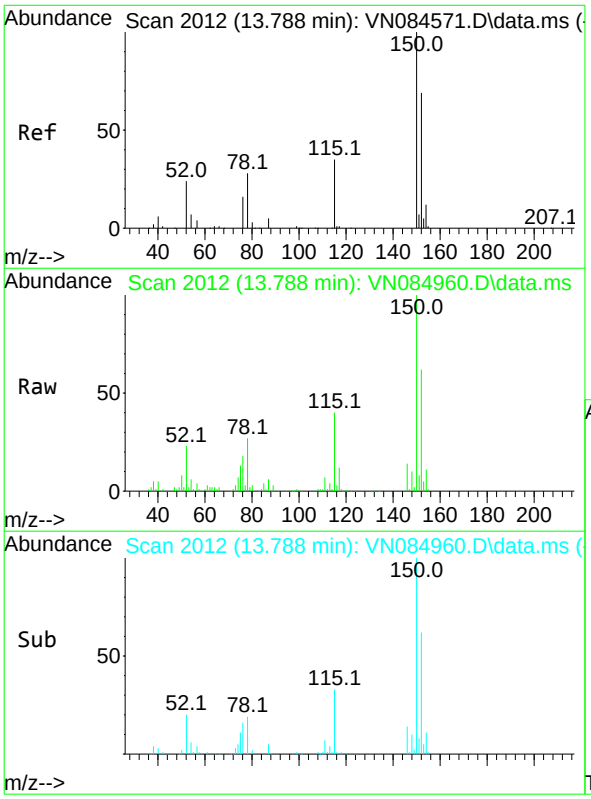
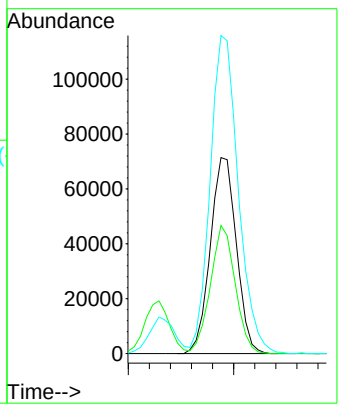
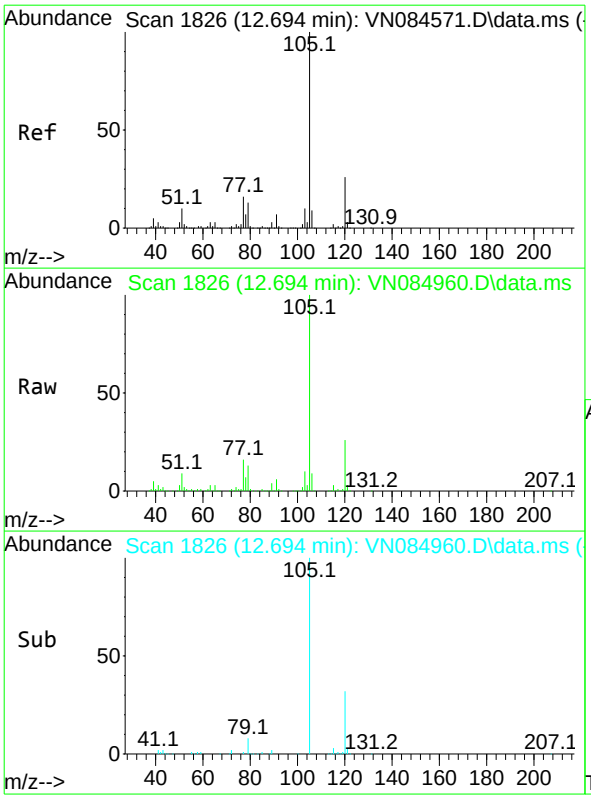


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:152 Resp: 122785

Ion	Ratio	Lower	Upper
152	100		
115	62.0	31.3	93.9
150	174.9	0.0	349.8

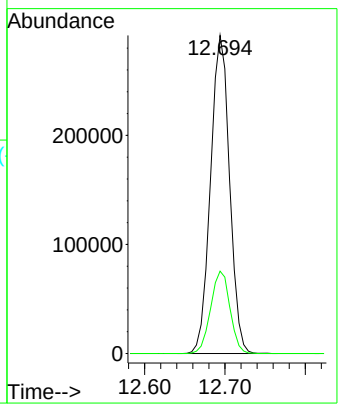




#73
Isopropylbenzene
Concen: 55.679 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:105 Resp: 479086

Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.9	38.7



Instrument :
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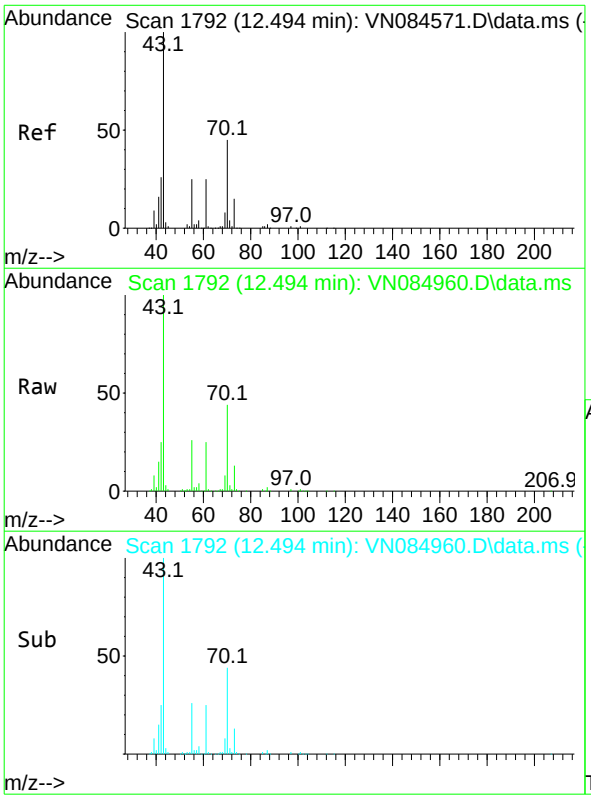
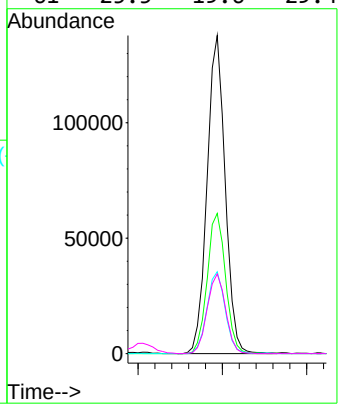
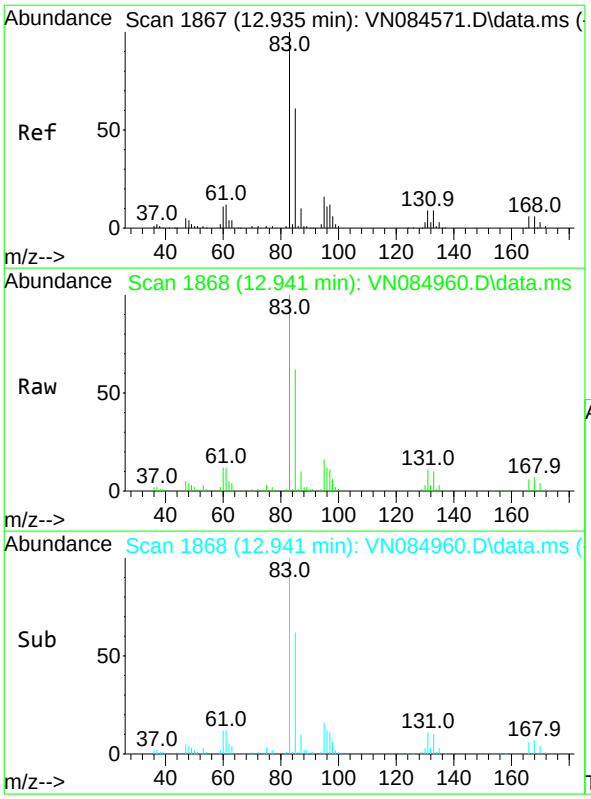


#74
N-amyl acetate
Concen: 56.065 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 43 Resp: 205323

Ion	Ratio	Lower	Upper
43	100		
70	44.8	34.4	51.6
55	25.9	19.6	29.4
61	25.5	19.6	29.4

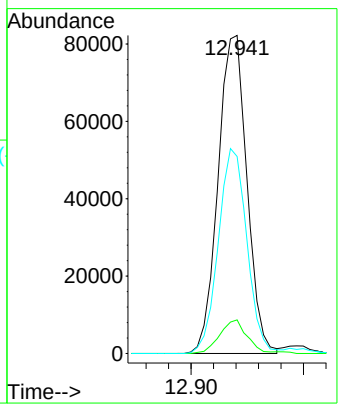




#75
1,1,2,2-Tetrachloroethane
Concen: 51.040 ug/l
RT: 12.941 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 83 Resp: 146589

Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.9	14.7
85	64.0	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
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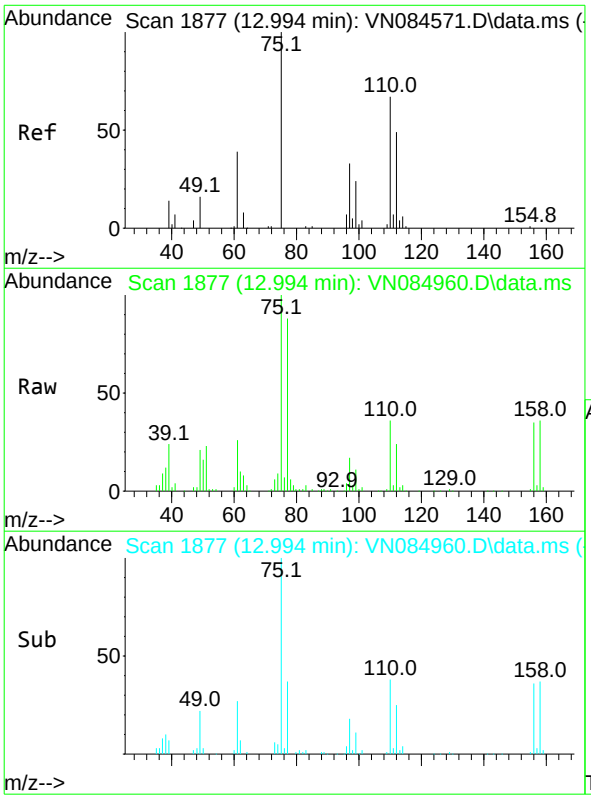
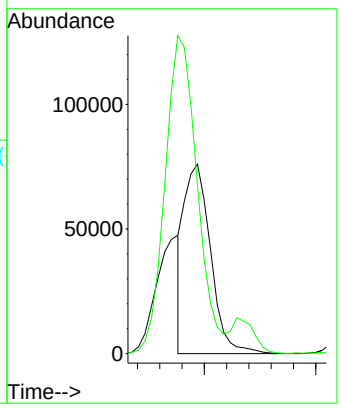
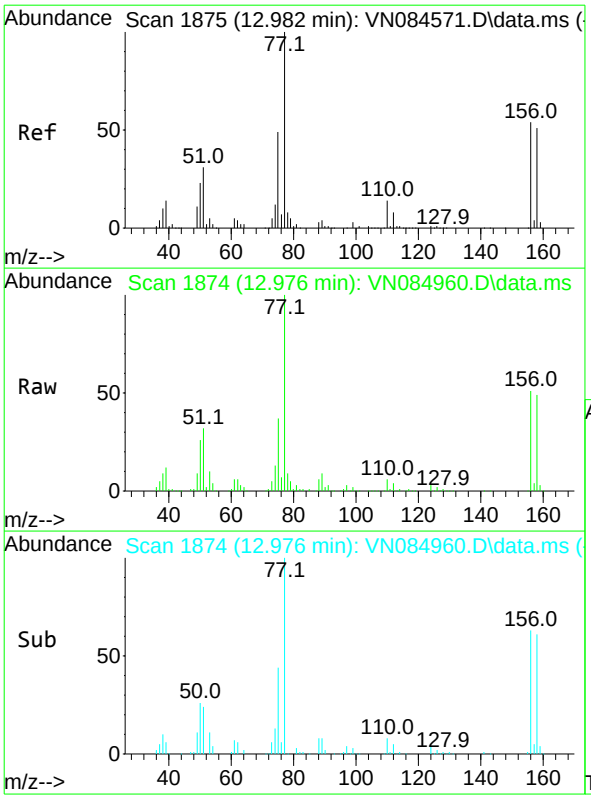


#76
1,2,3-Trichloropropane
Concen: 50.987 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 75 Resp: 125143

Ion	Ratio	Lower	Upper
75	100		
77	204.0	96.9	290.7

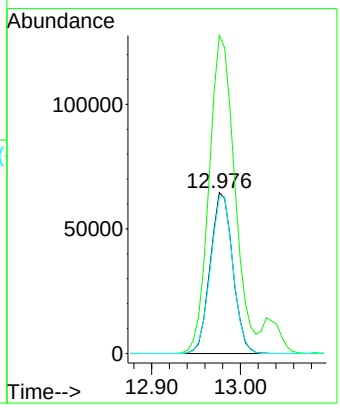




#77
Bromobenzene
Concen: 49.030 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:156 Resp: 113414

Ion	Ratio	Lower	Upper
156	100		
77	225.1	115.1	345.3
158	98.6	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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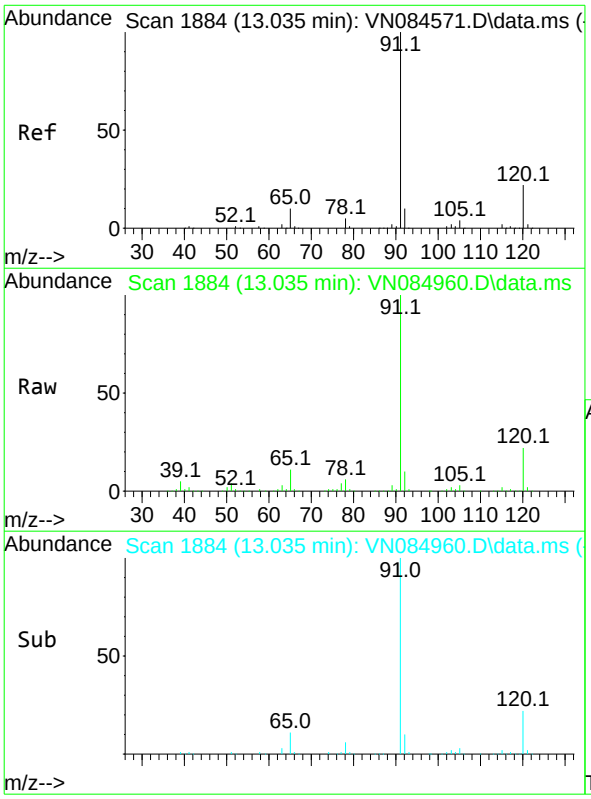
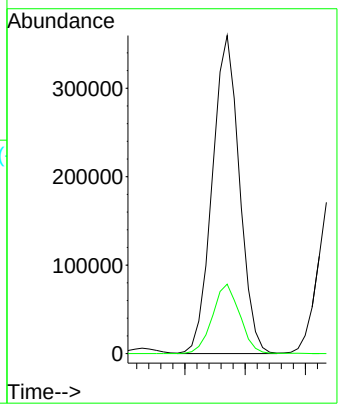
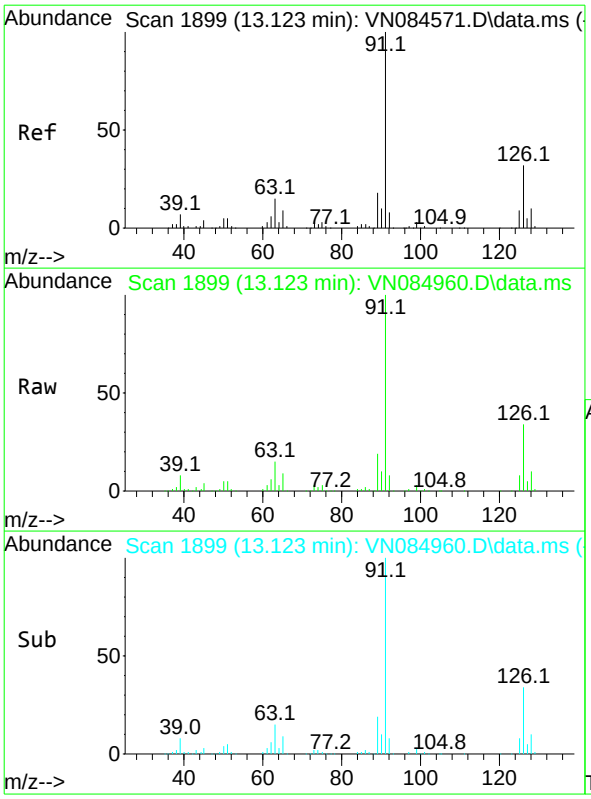


#78
n-propylbenzene
Concen: 55.869 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 91 Resp: 563327

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.4

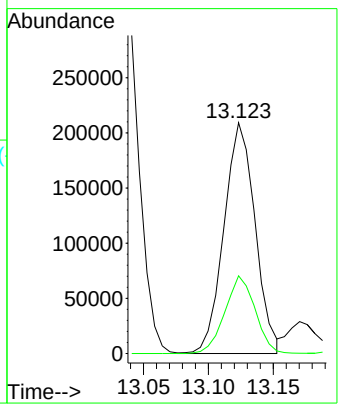




#79
2-Chlorotoluene
Concen: 53.064 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 91 Resp: 349601

Ion	Ratio	Lower	Upper
91	100		
126	32.6	15.7	47.1



Instrument :
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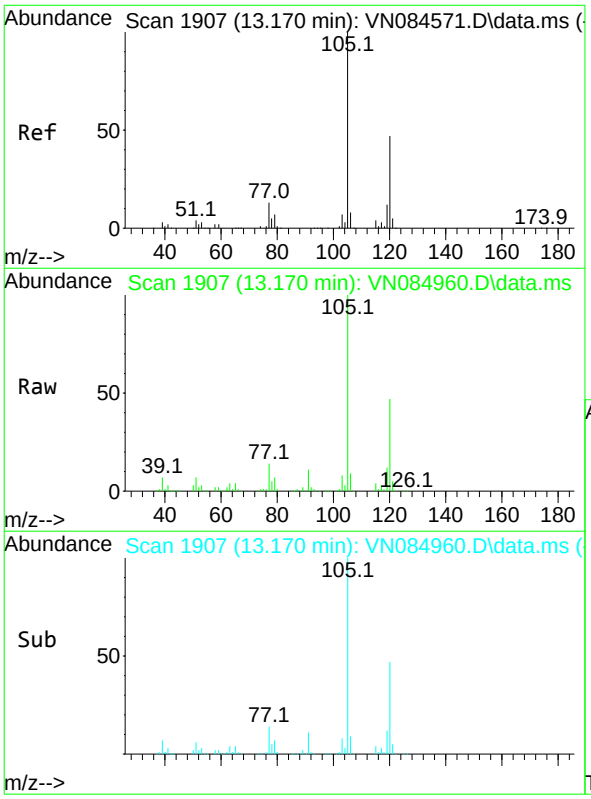
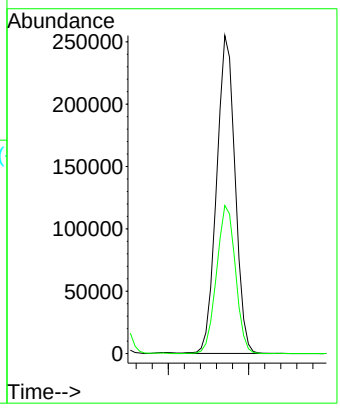
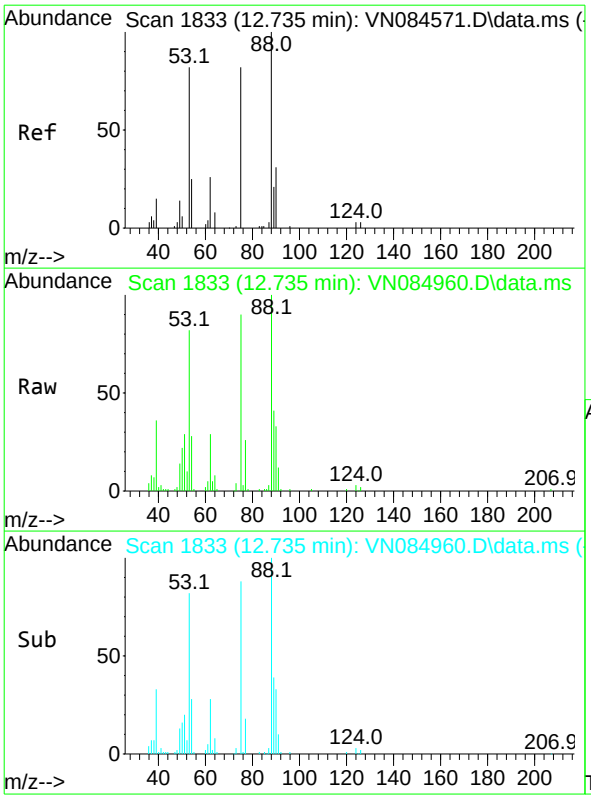


#80
1,3,5-Trimethylbenzene
Concen: 57.072 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:105 Resp: 407010

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.7	71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 55.078 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 75 Resp: 56982

Ion	Ratio	Lower	Upper
75	100		
53	105.3	78.0	117.0
89	43.8	35.5	53.3

Instrument :
MSVOA_N
ClientSampleId :
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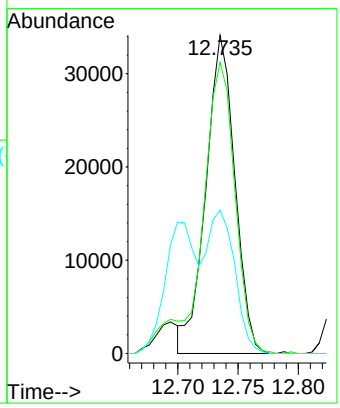
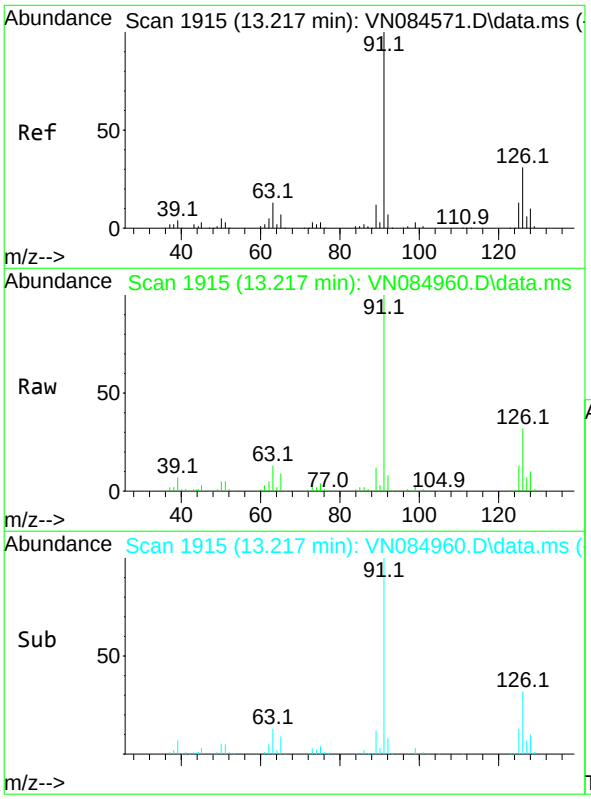
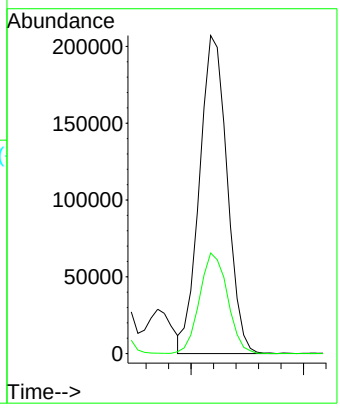


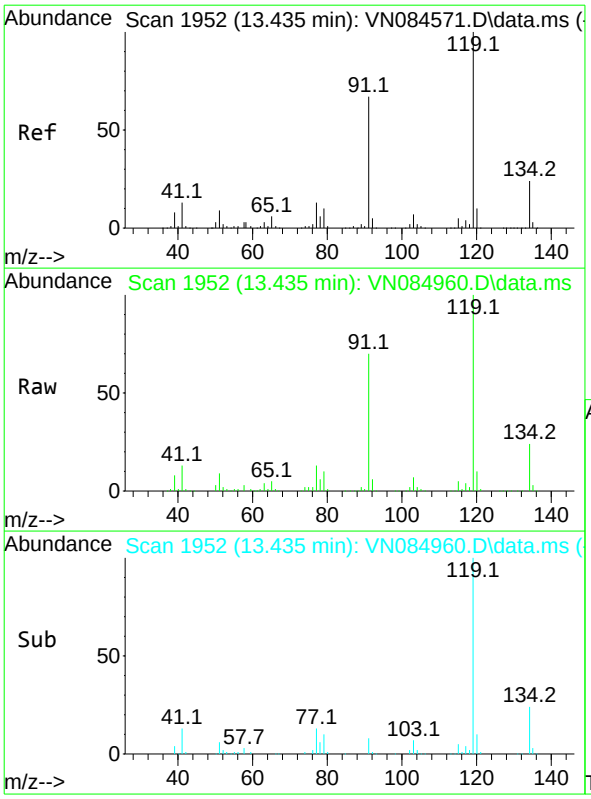


#82
4-Chlorotoluene
Concen: 51.041 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 91 Resp: 353895

Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.7	47.1

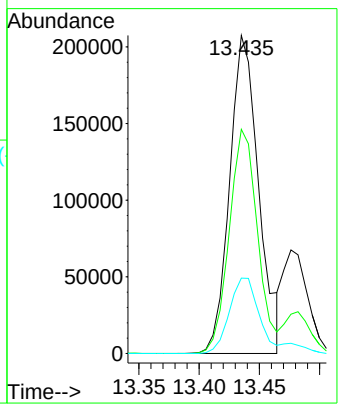




#83
tert-Butylbenzene
Concen: 58.973 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:119 Resp: 348071

Ion	Ratio	Lower	Upper
119	100		
91	68.8	34.1	102.3
134	26.5	12.8	38.4



Instrument :
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ClientSampleId :
VSTDCCC050

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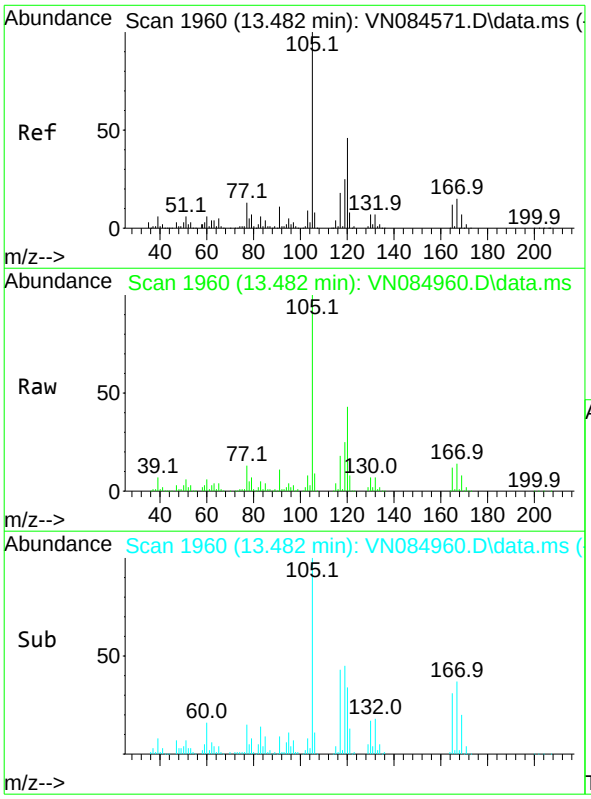
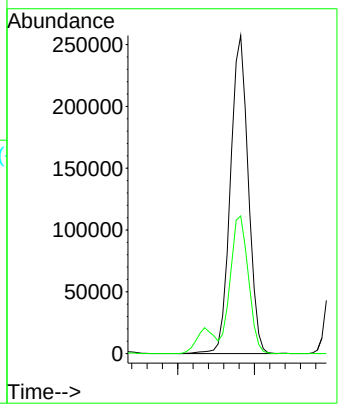
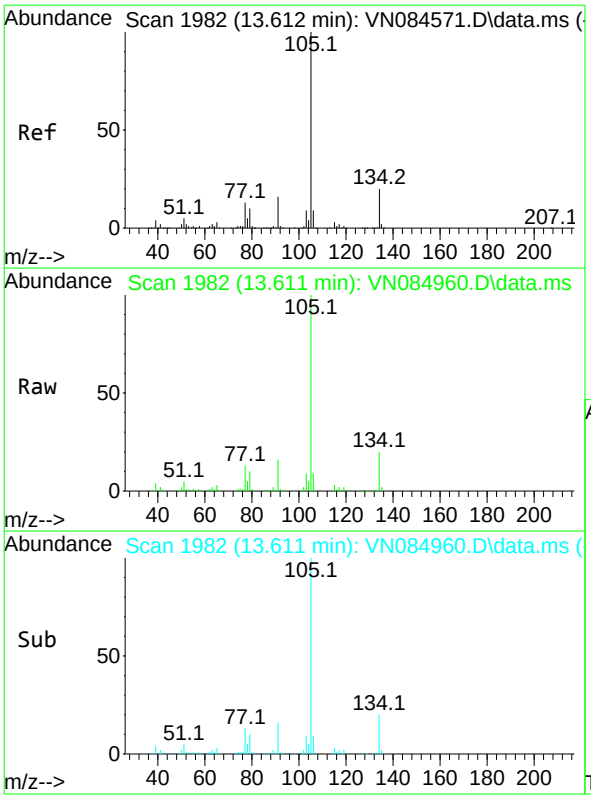


#84
1,2,4-Trimethylbenzene
Concen: 56.287 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:105 Resp: 414294

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.3	66.8

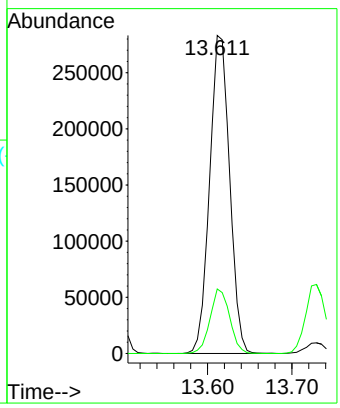




#85
sec-Butylbenzene
Concen: 56.017 ug/l
RT: 13.611 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:105 Resp: 467025

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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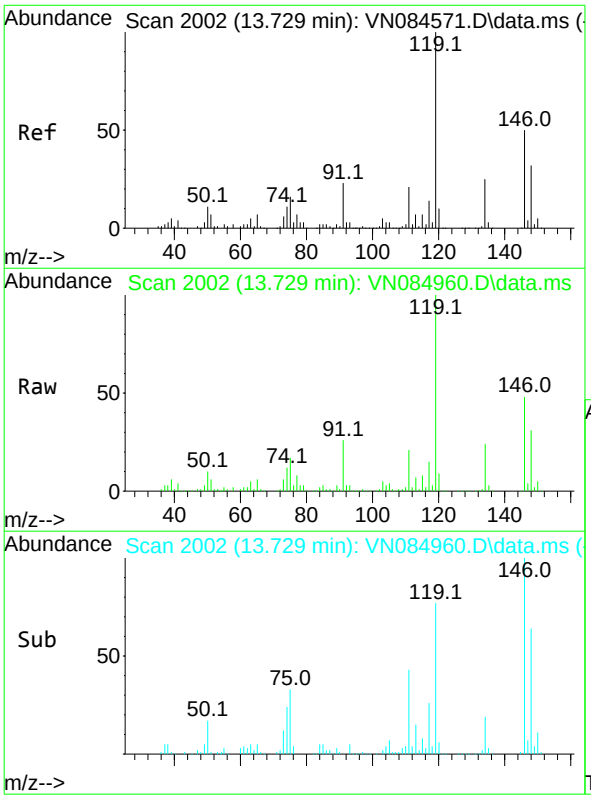
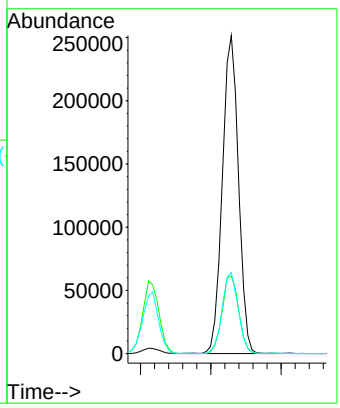
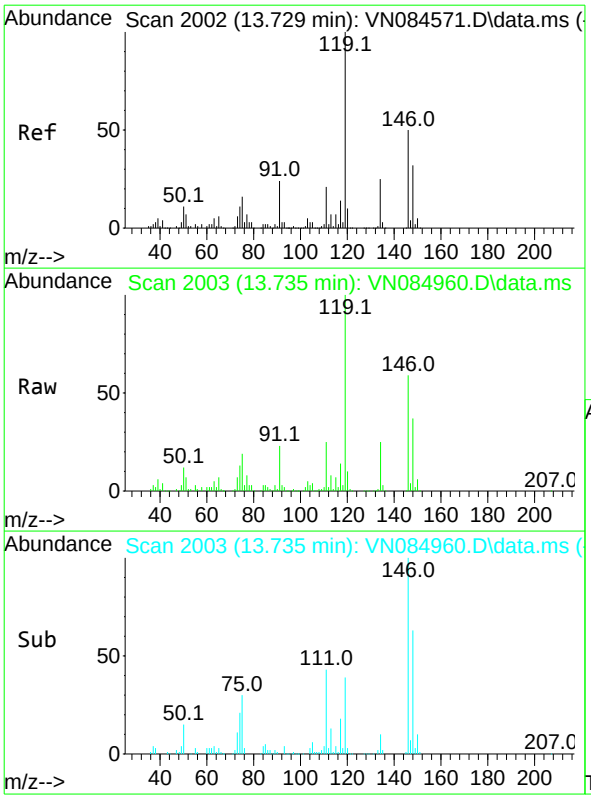


#86
p-Isopropyltoluene
Concen: 58.679 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:119 Resp: 401222

Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.6	37.8
91	25.5	12.4	37.2

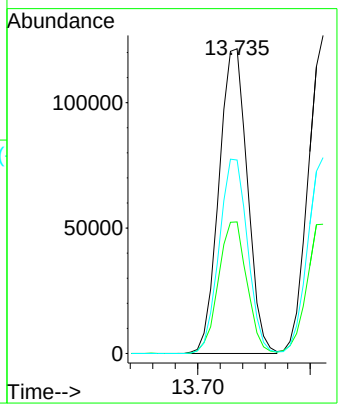




#87
1,3-Dichlorobenzene
Concen: 47.403 ug/l
RT: 13.735 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:146 Resp: 213991

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.8	65.3
148	63.6	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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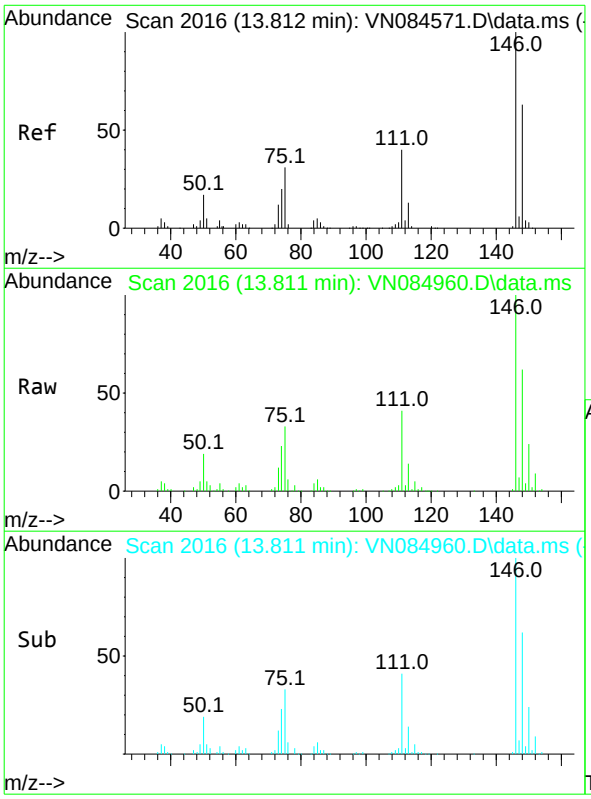
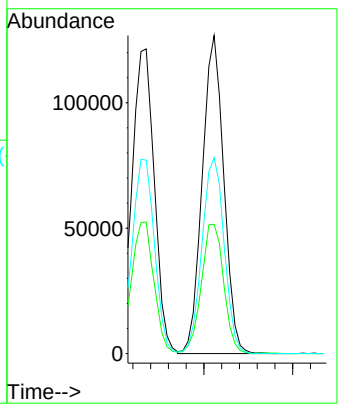
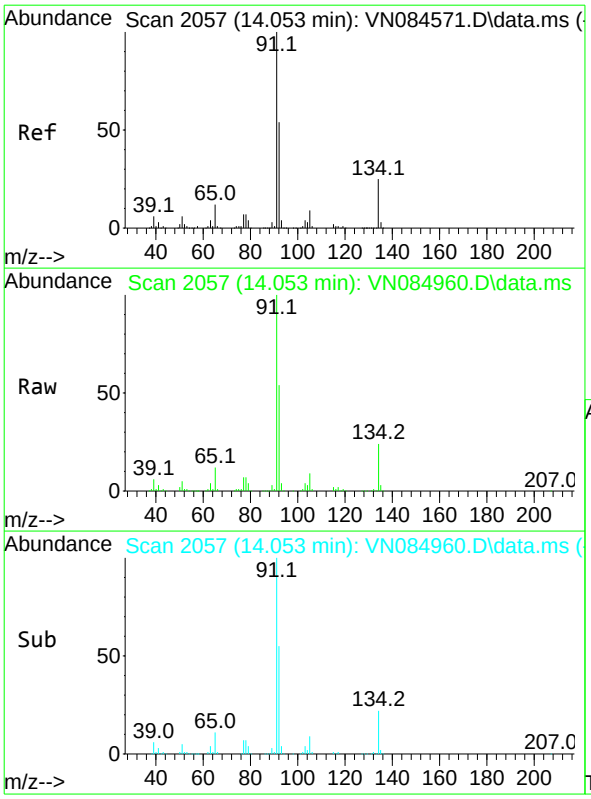


#88
1,4-Dichlorobenzene
Concen: 51.698 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.001 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:146 Resp: 213744

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.2	63.6
148	63.4	31.9	95.9

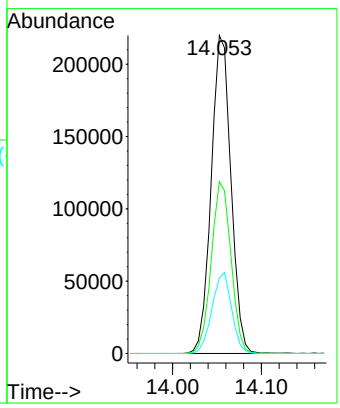




#89
n-Butylbenzene
Concen: 53.124 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 91 Resp: 339784

Ion	Ratio	Lower	Upper
91	100		
92	54.1	26.6	79.7
134	25.3	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
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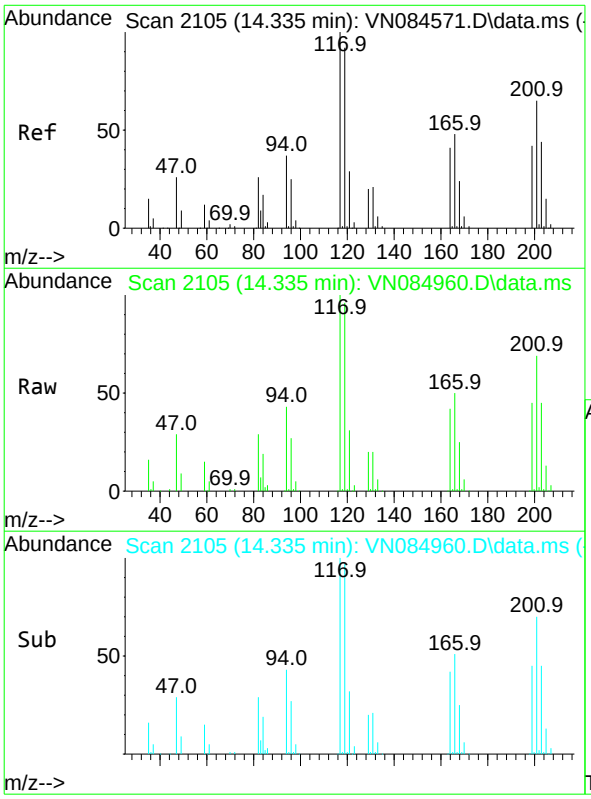
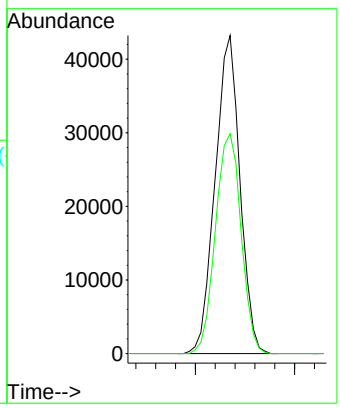
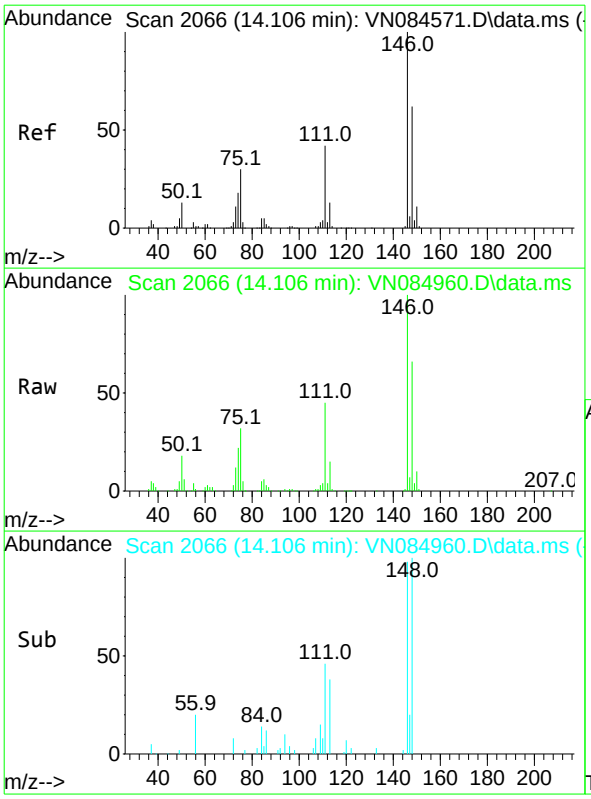


#90
Hexachloroethane
Concen: 49.189 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:117 Resp: 75005

Ion	Ratio	Lower	Upper
117	100		
201	71.4	34.4	103.2

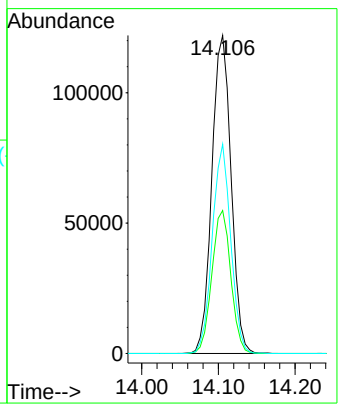




#91
1,2-Dichlorobenzene
Concen: 48.934 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:146 Resp: 212272

Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.0	66.0
148	63.1	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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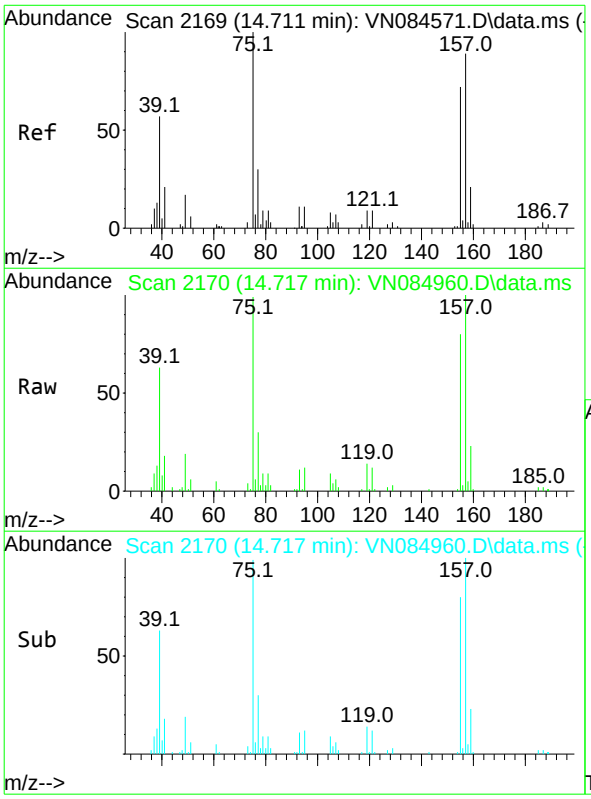
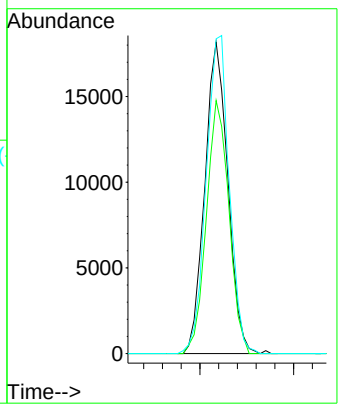
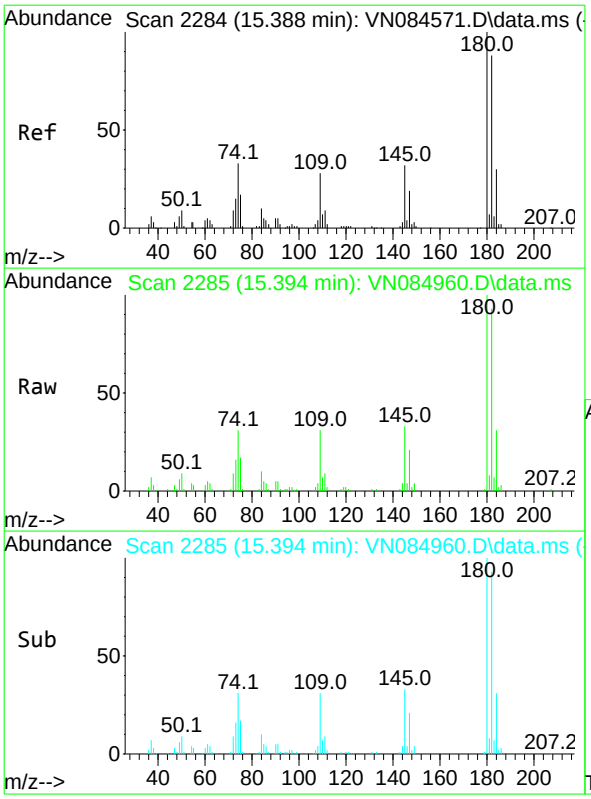


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.467 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 75 Resp: 31109

Ion	Ratio	Lower	Upper
75	100		
155	79.1	38.1	114.5
157	101.8	49.6	149.0





#93
1,2,4-Trichlorobenzene
Concen: 47.286 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:180 Resp: 112274

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.0	141.0
145	33.2	16.4	49.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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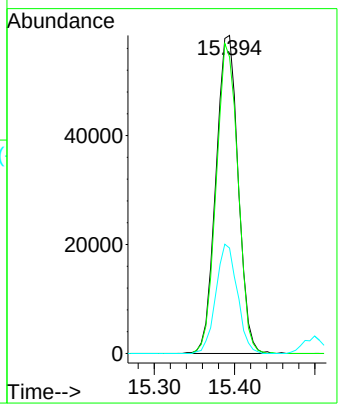
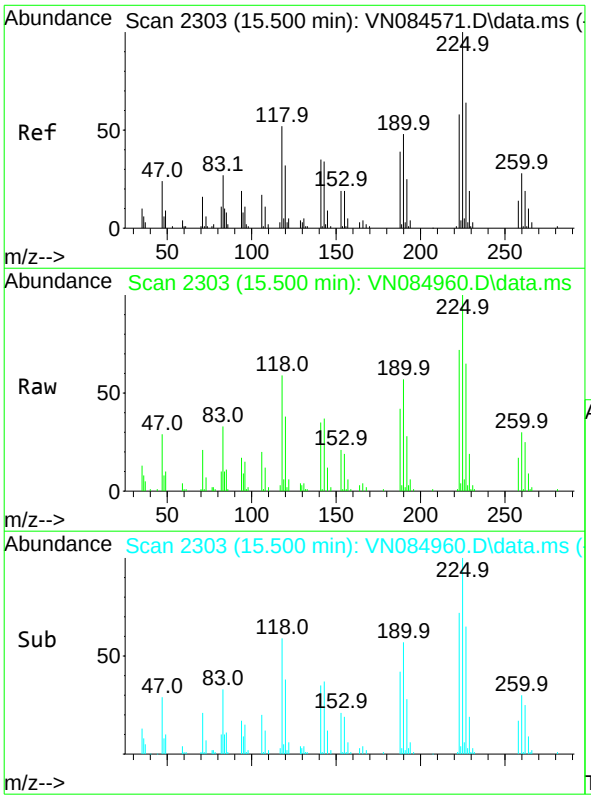
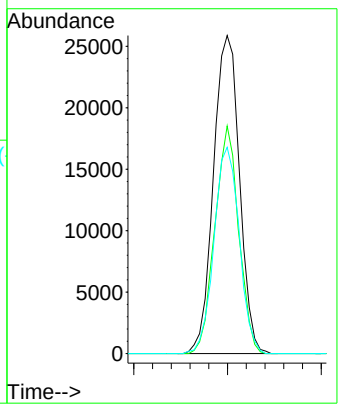


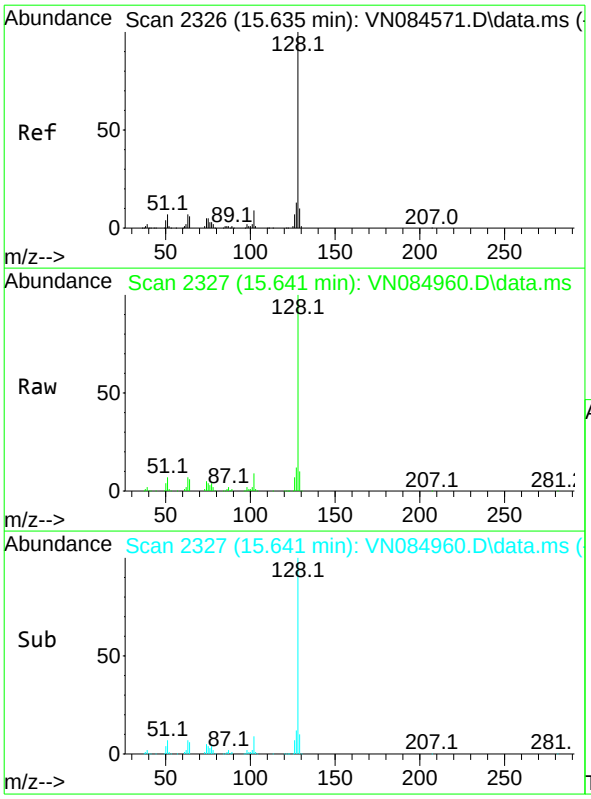


#94
Hexachlorobutadiene
Concen: 47.779 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:225 Resp: 49818

Ion	Ratio	Lower	Upper
225	100		
223	65.5	32.4	97.2
227	63.1	32.4	97.0

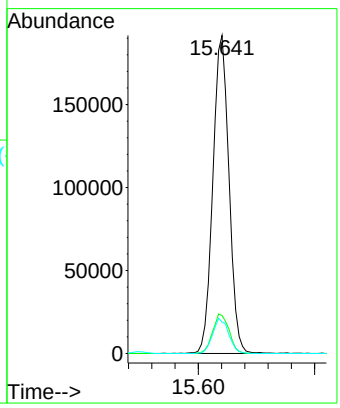




#95
Naphthalene
Concen: 51.842 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:128 Resp: 368434

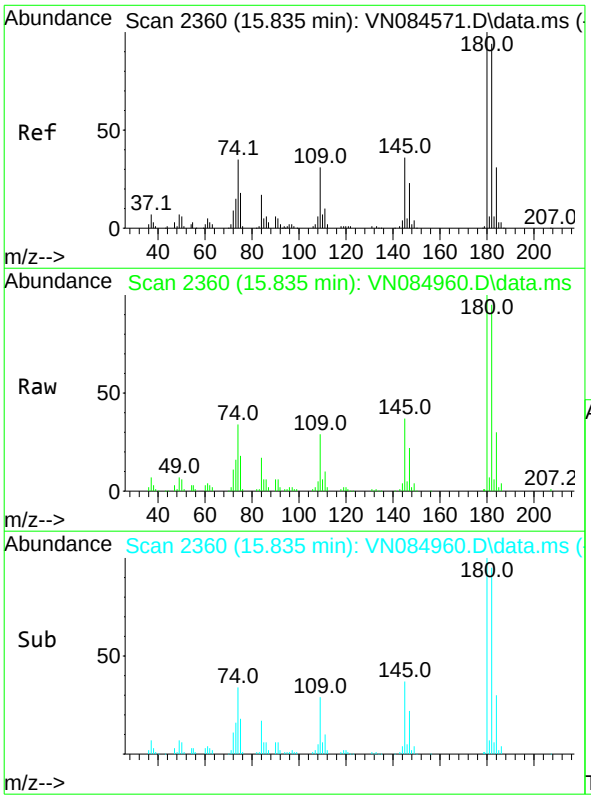
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	11.0	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

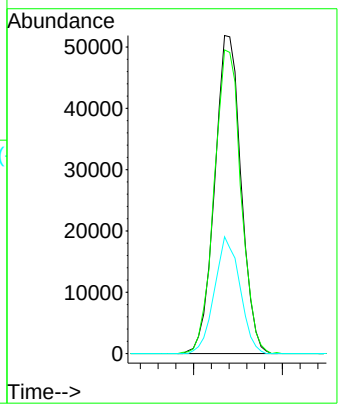
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#96
1,2,3-Trichlorobenzene
Concen: 46.284 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:180 Resp: 106677

Ion	Ratio	Lower	Upper
180	100		
182	97.3	48.2	144.6
145	35.6	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084960.D
Acq On : 20 Nov 2024 11:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 21 00:32:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	88	0.00
2	T	Dichlorodifluoromethane	0.575	0.624	-8.5	100	0.00
3	P	Chloromethane	0.952	0.671	29.5#	88	0.00
4	C	Vinyl Chloride	0.618	0.652	-5.5#	95	0.00
5	T	Bromomethane	0.328	0.340	-3.7	102	-0.05
6	T	Chloroethane	0.488	0.408	16.4	96	-0.05
7	T	Trichlorofluoromethane	1.018	1.068	-4.9	98	-0.02
8	T	Diethyl Ether	0.359	0.387	-7.8	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.575	0.616	-7.1	98	-0.02
10	T	Methyl Iodide	0.769	0.834	-8.5	100	-0.02
11	T	Tert butyl alcohol	0.095	0.110	-15.8	113	0.02
12	CM	1,1-Dichloroethene	0.569	0.576	-1.2#	95	-0.02
13	T	Acrolein	0.095	0.101	-6.3	102	0.00
14	T	Allyl chloride	0.923	0.981	-6.3	95	-0.01
15	T	Acrylonitrile	0.276	0.310	-12.3	101	0.00
16	T	Acetone	0.238	0.200	16.0	87	0.00
17	T	Carbon Disulfide	1.753	1.680	4.2	93	-0.01
18	T	Methyl Acetate	1.172	0.768	34.5#	91	0.00
19	T	Methyl tert-butyl Ether	1.745	1.961	-12.4	99	0.00
20	T	Methylene Chloride	0.635	0.652	-2.7	96	-0.01
21	T	trans-1,2-Dichloroethene	0.585	0.594	-1.5	93	0.00
22	T	Diisopropyl ether	1.835	1.979	-7.8	94	0.00
23	T	Vinyl Acetate	1.265	1.479	-16.9	101	0.00
24	P	1,1-Dichloroethane	1.102	1.147	-4.1	95	0.00
25	T	2-Butanone	0.337	0.365	-8.3	102	0.00
26	T	2,2-Dichloropropane	0.959	1.063	-10.8	100	0.00
27	T	cis-1,2-Dichloroethene	0.683	0.719	-5.3	96	0.00
28	T	Bromochloromethane	0.439	0.438	0.2	76	0.00
29	T	Tetrahydrofuran	0.224	0.262	-17.0	104	0.00
30	C	Chloroform	1.121	1.175	-4.8#	96	0.00
31	T	Cyclohexane	0.997	1.018	-2.1	96	0.00
32	T	1,1,1-Trichloroethane	1.021	1.085	-6.3	97	0.00
33	S	1,2-Dichloroethane-d4	0.722	0.653	9.6	80	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	87	0.00
35	S	Dibromofluoromethane	0.338	0.317	6.2	80	0.00
36	T	1,1-Dichloropropene	0.469	0.508	-8.3	98	0.00
37	T	Ethyl Acetate	0.426	0.496	-16.4	103	0.00
38	T	Carbon Tetrachloride	0.525	0.576	-9.7	98	0.00
39	T	Methylcyclohexane	0.478	0.571	-19.5	98	0.00
40	TM	Benzene	1.507	1.573	-4.4	95	0.00
41	T	Methacrylonitrile	0.229	0.291	-27.1#	103	0.00
42	TM	1,2-Dichloroethane	0.488	0.528	-8.2	93	0.00
43	T	Isopropyl Acetate	0.927	0.894	3.6	103	0.00
44	TM	Trichloroethene	0.348	0.365	-4.9	95	0.00
45	C	1,2-Dichloropropane	0.354	0.384	-8.5#	96	0.00
46	T	Dibromomethane	0.250	0.273	-9.2	97	0.00
47	T	Bromodichloromethane	0.526	0.569	-8.2	95	0.00
48	T	Methyl methacrylate	0.331	0.402	-21.5	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084960.D
Acq On : 20 Nov 2024 11:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 21 00:32:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.007	-16.7	96	0.00
50	S	Toluene-d8	1.247	1.145	8.2	77	0.00
51	T	4-Methyl-2-Pentanone	0.406	0.504	-24.1	104	0.00
52	CM	Toluene	0.882	0.995	-12.8#	96	0.00
53	T	t-1,3-Dichloropropene	0.544	0.592	-8.8	95	0.00
54	T	cis-1,3-Dichloropropene	0.576	0.634	-10.1	95	0.00
55	T	1,1,2-Trichloroethane	0.332	0.361	-8.7	96	0.00
56	T	Ethyl methacrylate	0.480	0.611	-27.3#	99	0.00
57	T	1,3-Dichloropropane	0.570	0.634	-11.2	98	0.00
58	T	2-Chloroethyl Vinyl ether	0.225	0.274	-21.8	91	0.00
59	T	2-Hexanone	0.296	0.396	-33.8#	111	0.00
60	T	Dibromochloromethane	0.378	0.434	-14.8	96	0.00
61	T	1,2-Dibromoethane	0.340	0.370	-8.8	97	0.00
62	S	4-Bromofluorobenzene	0.466	0.449	3.6	79	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.00
64	T	Tetrachloroethene	0.333	0.356	-6.9	98	0.00
65	PM	Chlorobenzene	1.119	1.182	-5.6	96	0.00
66	T	1,1,1,2-Tetrachloroethane	0.389	0.421	-8.2	97	0.00
67	C	Ethyl Benzene	1.867	2.112	-13.1#	96	0.00
68	T	m/p-Xylenes	0.707	0.815	-15.3	96	0.00
69	T	o-Xylene	0.661	0.779	-17.9	97	0.00
70	T	Styrene	1.154	1.329	-15.2	95	0.00
71	P	Bromoform	0.293	0.330	-12.6	96	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	89	0.00
73	T	Isopropylbenzene	3.504	3.902	-11.4	97	0.00
74	T	N-amyl acetate	1.491	1.672	-12.1	97	0.00
75	P	1,1,2,2-Tetrachloroethane	1.170	1.194	-2.1	99	0.00
76	T	1,2,3-Trichloropropane	0.999	1.019	-2.0	102	0.00
77	T	Bromobenzene	0.942	0.924	1.9	93	0.00
78	T	n-propylbenzene	4.106	4.588	-11.7	96	0.00
79	T	2-Chlorotoluene	2.683	2.847	-6.1	96	0.00
80	T	1,3,5-Trimethylbenzene	2.904	3.315	-14.2	96	0.00
81	T	trans-1,4-Dichloro-2-butene	0.421	0.464	-10.2	103	0.00
82	T	4-Chlorotoluene	2.823	2.882	-2.1	94	0.00
83	T	tert-Butylbenzene	2.403	2.835	-18.0	99	0.00
84	T	1,2,4-Trimethylbenzene	2.997	3.374	-12.6	95	0.00
85	T	sec-Butylbenzene	3.395	3.804	-12.0	95	0.00
86	T	p-Isopropyltoluene	2.784	3.268	-17.4	95	0.00
87	T	1,3-Dichlorobenzene	1.838	1.743	5.2	93	0.00
88	T	1,4-Dichlorobenzene	1.937	1.741	10.1	92	0.00
89	T	n-Butylbenzene	2.605	2.767	-6.2	94	0.00
90	T	Hexachloroethane	0.621	0.611	1.6	92	0.00
91	T	1,2-Dichlorobenzene	1.766	1.729	2.1	95	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.253	-6.8	104	0.00
93	T	1,2,4-Trichlorobenzene	0.967	0.914	5.5	94	0.00
94	T	Hexachlorobutadiene	0.425	0.406	4.5	98	0.00
95	T	Naphthalene	2.894	3.001	-3.7	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084960.D
Acq On : 20 Nov 2024 11:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 21 00:32:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.939	0.869	7.5	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084960.D
Acq On : 20 Nov 2024 11:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 21 00:32:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	88	0.00
2	T	Dichlorodifluoromethane	50.000	54.304	-8.6	100	0.00
3	P	Chloromethane	50.000	49.734	0.5	88	0.00
4	C	Vinyl Chloride	50.000	52.764	-5.5#	95	0.00
5	T	Bromomethane	50.000	51.955	-3.9	102	-0.05
6	T	Chloroethane	50.000	53.398	-6.8	96	-0.05
7	T	Trichlorofluoromethane	50.000	52.445	-4.9	98	-0.02
8	T	Diethyl Ether	50.000	53.922	-7.8	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	53.510	-7.0	98	-0.02
10	T	Methyl Iodide	50.000	54.245	-8.5	100	-0.02
11	T	Tert butyl alcohol	250.000	289.250	-15.7	113	0.02
12	CM	1,1-Dichloroethene	50.000	50.612	-1.2#	95	-0.02
13	T	Acrolein	250.000	266.836	-6.7	102	0.00
14	T	Allyl chloride	50.000	53.110	-6.2	95	-0.01
15	T	Acrylonitrile	250.000	280.842	-12.3	101	0.00
16	T	Acetone	250.000	239.592	4.2	87	0.00
17	T	Carbon Disulfide	50.000	47.919	4.2	93	-0.01
18	T	Methyl Acetate	50.000	50.446	-0.9	91	0.00
19	T	Methyl tert-butyl Ether	50.000	56.177	-12.4	99	0.00
20	T	Methylene Chloride	50.000	51.299	-2.6	96	-0.01
21	T	trans-1,2-Dichloroethene	50.000	50.781	-1.6	93	0.00
22	T	Diisopropyl ether	50.000	53.937	-7.9	94	0.00
23	T	Vinyl Acetate	250.000	292.299	-16.9	101	0.00
24	P	1,1-Dichloroethane	50.000	52.053	-4.1	95	0.00
25	T	2-Butanone	250.000	271.102	-8.4	102	0.00
26	T	2,2-Dichloropropane	50.000	55.420	-10.8	100	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.668	-5.3	96	0.00
28	T	Bromochloromethane	50.000	49.917	0.2	76	0.00
29	T	Tetrahydrofuran	250.000	293.003	-17.2	104	0.00
30	C	Chloroform	50.000	52.416	-4.8#	96	0.00
31	T	Cyclohexane	50.000	51.034	-2.1	96	0.00
32	T	1,1,1-Trichloroethane	50.000	53.137	-6.3	97	0.00
33	S	1,2-Dichloroethane-d4	50.000	45.219	9.6	80	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	87	0.00
35	S	Dibromofluoromethane	50.000	46.769	6.5	80	0.00
36	T	1,1-Dichloropropene	50.000	54.113	-8.2	98	0.00
37	T	Ethyl Acetate	50.000	58.292	-16.6	103	0.00
38	T	Carbon Tetrachloride	50.000	54.908	-9.8	98	0.00
39	T	Methylcyclohexane	50.000	59.777	-19.6	98	0.00
40	TM	Benzene	50.000	52.170	-4.3	95	0.00
41	T	Methacrylonitrile	50.000	63.513	-27.0#	103	0.00
42	TM	1,2-Dichloroethane	50.000	54.090	-8.2	93	0.00
43	T	Isopropyl Acetate	50.000	56.930	-13.9	103	0.00
44	TM	Trichloroethene	50.000	52.511	-5.0	95	0.00
45	C	1,2-Dichloropropane	50.000	54.331	-8.7#	96	0.00
46	T	Dibromomethane	50.000	54.624	-9.2	97	0.00
47	T	Bromodichloromethane	50.000	54.053	-8.1	95	0.00
48	T	Methyl methacrylate	50.000	60.645	-21.3	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084960.D
Acq On : 20 Nov 2024 11:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 21 00:32:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1139.408	-13.9	96	0.00
50	S	Toluene-d8	50.000	45.930	8.1	77	0.00
51	T	4-Methyl-2-Pentanone	250.000	310.450	-24.2	104	0.00
52	CM	Toluene	50.000	56.456	-12.9#	96	0.00
53	T	t-1,3-Dichloropropene	50.000	54.366	-8.7	95	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.045	-10.1	95	0.00
55	T	1,1,2-Trichloroethane	50.000	54.394	-8.8	96	0.00
56	T	Ethyl methacrylate	50.000	63.590	-27.2#	99	0.00
57	T	1,3-Dichloropropane	50.000	55.619	-11.2	98	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	304.461	-21.8	91	0.00
59	T	2-Hexanone	250.000	334.603	-33.8#	111	0.00
60	T	Dibromochloromethane	50.000	57.305	-14.6	96	0.00
61	T	1,2-Dibromoethane	50.000	54.368	-8.7	97	0.00
62	S	4-Bromofluorobenzene	50.000	48.235	3.5	79	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	86	0.00
64	T	Tetrachloroethene	50.000	53.532	-7.1	98	0.00
65	PM	Chlorobenzene	50.000	52.828	-5.7	96	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	54.146	-8.3	97	0.00
67	C	Ethyl Benzene	50.000	56.556	-13.1#	96	0.00
68	T	m/p-Xylenes	100.000	115.337	-15.3	96	0.00
69	T	o-Xylene	50.000	58.928	-17.9	97	0.00
70	T	Styrene	50.000	57.589	-15.2	95	0.00
71	P	Bromoform	50.000	56.375	-12.8	96	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	89	0.00
73	T	Isopropylbenzene	50.000	55.679	-11.4	97	0.00
74	T	N-amyl acetate	50.000	56.065	-12.1	97	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.040	-2.1	99	0.00
76	T	1,2,3-Trichloropropane	50.000	50.987	-2.0	102	0.00
77	T	Bromobenzene	50.000	49.030	1.9	93	0.00
78	T	n-propylbenzene	50.000	55.869	-11.7	96	0.00
79	T	2-Chlorotoluene	50.000	53.064	-6.1	96	0.00
80	T	1,3,5-Trimethylbenzene	50.000	57.072	-14.1	96	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	55.078	-10.2	103	0.00
82	T	4-Chlorotoluene	50.000	51.041	-2.1	94	0.00
83	T	tert-Butylbenzene	50.000	58.973	-17.9	99	0.00
84	T	1,2,4-Trimethylbenzene	50.000	56.287	-12.6	95	0.00
85	T	sec-Butylbenzene	50.000	56.017	-12.0	95	0.00
86	T	p-Isopropyltoluene	50.000	58.679	-17.4	95	0.00
87	T	1,3-Dichlorobenzene	50.000	47.403	5.2	93	0.00
88	T	1,4-Dichlorobenzene	50.000	51.698	-3.4	92	0.00
89	T	n-Butylbenzene	50.000	53.124	-6.2	94	0.00
90	T	Hexachloroethane	50.000	49.189	1.6	92	0.00
91	T	1,2-Dichlorobenzene	50.000	48.934	2.1	95	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	53.467	-6.9	104	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.286	5.4	94	0.00
94	T	Hexachlorobutadiene	50.000	47.779	4.4	98	0.00
95	T	Naphthalene	50.000	51.842	-3.7	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084960.D
Acq On : 20 Nov 2024 11:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 21 00:32:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	46.284	7.4	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG No.: P4845

Instrument ID: MSVOA_N Calibration Date/Time: 11/20/2024 21:46

Lab File ID: VN084985.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.575	0.637		10.78	50
Chloromethane	0.952	0.694	0.1	-27.1	50
Vinyl Chloride	0.618	0.667		7.93	50
Bromomethane	0.328	0.364		10.98	50
Chloroethane	0.488	0.438		-10.25	50
Trichlorofluoromethane	1.018	1.118		9.82	50
1,1,2-Trichlorotrifluoroethane	0.575	0.628		9.22	50
1,1-Dichloroethene	0.569	0.609		7.03	50
Acetone	0.238	0.281		18.07	50
Carbon Disulfide	1.753	1.707		-2.62	50
Methyl tert-butyl Ether	1.745	2.057		17.88	50
Methyl Acetate	1.172	0.880		-24.92	50
Methylene Chloride	0.635	0.695		9.45	50
trans-1,2-Dichloroethene	0.585	0.622		6.32	50
1,1-Dichloroethane	1.102	1.203	0.1	9.16	50
Cyclohexane	0.997	1.043		4.61	50
2-Butanone	0.337	0.455		35.01	50
Carbon Tetrachloride	0.525	0.589		12.19	50
cis-1,2-Dichloroethene	0.683	0.747		9.37	50
Bromochloromethane	0.439	0.426		-2.96	50
Chloroform	1.121	1.249		11.42	50
1,1,1-Trichloroethane	1.021	1.164		14.01	50
Methylcyclohexane	0.478	0.544		13.81	50
Benzene	1.507	1.605		6.5	50
1,2-Dichloroethane	0.488	0.543		11.27	50
Trichloroethene	0.348	0.363		4.31	50
1,2-Dichloropropane	0.354	0.384		8.48	50
Bromodichloromethane	0.526	0.582		10.65	50
4-Methyl-2-Pentanone	0.406	0.550		35.47	50
Toluene	0.882	0.985		11.68	50
t-1,3-Dichloropropene	0.544	0.583		7.17	50
cis-1,3-Dichloropropene	0.576	0.614		6.6	50
1,1,2-Trichloroethane	0.332	0.373		12.35	50
2-Hexanone	0.296	0.417		40.88	50
Dibromochloromethane	0.378	0.441		16.67	50
1,2-Dibromoethane	0.340	0.391		15	50
Tetrachloroethene	0.333	0.344		3.3	50
Chlorobenzene	1.119	1.111	0.3	-0.71	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG No.: P4845

Instrument ID: MSVOA_N Calibration Date/Time: 11/20/2024 21:46

Lab File ID: VN084985.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.867	2.036		9.05	50
m/p-Xylenes	0.707	0.782		10.61	50
o-Xylene	0.661	0.757		14.52	50
Styrene	1.154	1.265		9.62	50
Bromoform	0.293	0.326	0.1	11.26	50
Isopropylbenzene	3.504	3.531		0.77	50
1,1,2,2-Tetrachloroethane	1.170	1.165	0.3	-0.43	50
1,3-Dichlorobenzene	1.838	1.547		-15.83	50
1,4-Dichlorobenzene	1.937	1.573		-18.84	50
1,2-Dichlorobenzene	1.766	1.599		-9.46	50
1,2-Dibromo-3-Chloropropane	0.237	0.247		4.22	50
1,2,4-Trichlorobenzene	0.967	0.746		-22.85	50
1,2,3-Trichlorobenzene	0.939	0.744		-20.77	50
1,2-Dichloroethane-d4	0.722	0.673		-6.79	50
Dibromofluoromethane	0.338	0.303		-10.35	50
Toluene-d8	1.247	1.097		-12.03	50
4-Bromofluorobenzene	0.466	0.461		-1.07	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084985.D
Acq On : 20 Nov 2024 21:46
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 21 00:51:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	147117	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	252043	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	231642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	124177	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	98989	46.586	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.180%			
35) Dibromofluoromethane	8.165	113	76333	44.743	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 89.480%			
50) Toluene-d8	10.565	98	276464	43.992	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 87.980%			
62) 4-Bromofluorobenzene	12.847	95	116272	49.505	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	93763	55.441	ug/l	95
3) Chloromethane	2.359	50	102096	51.524	ug/l	97
4) Vinyl Chloride	2.512	62	98187	53.978	ug/l	100
5) Bromomethane	2.900	94	53533	55.545	ug/l	95
6) Chloroethane	3.059	64	64390	57.392	ug/l	93
7) Trichlorofluoromethane	3.459	101	164430	54.876	ug/l	99
8) Diethyl Ether	3.959	74	59279	56.082	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.347	101	92345	54.541	ug/l	99
10) Methyl Iodide	4.577	142	129133	57.066	ug/l	94
11) Tert butyl alcohol	5.541	59	101367	361.410	ug/l	99
12) 1,1-Dichloroethene	4.318	96	89577	53.467	ug/l	99
13) Acrolein	4.177	56	76593	273.856	ug/l	98
14) Allyl chloride	5.006	41	150741	55.481	ug/l	92
15) Acrylonitrile	5.718	53	257882	317.602	ug/l	99
16) Acetone	4.430	43	206332	337.153	ug/l	95
17) Carbon Disulfide	4.694	76	251188	48.686	ug/l	97
18) Methyl Acetate	5.018	43	129491	58.427	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	302548	58.918	ug/l	99
20) Methylene Chloride	5.265	84	102304	54.742	ug/l	88
21) trans-1,2-Dichloroethene	5.777	96	91527	53.204	ug/l	98
22) Diisopropyl ether	6.671	45	307141	56.891	ug/l	99
23) Vinyl Acetate	6.600	43	1176079	315.894	ug/l	98
24) 1,1-Dichloroethane	6.565	63	177051	54.624	ug/l	97
25) 2-Butanone	7.482	43	334599	337.529	ug/l	99
26) 2,2-Dichloropropane	7.482	77	137513	48.745	ug/l	97
27) cis-1,2-Dichloroethene	7.482	96	109886	54.705	ug/l	96
28) Bromochloromethane	7.812	49	62703	48.556	ug/l	92
29) Tetrahydrofuran	7.835	42	223212	339.405	ug/l	97
30) Chloroform	7.959	83	183717	55.688	ug/l	100
31) Cyclohexane	8.253	56	153481	52.318	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	171304	57.050	ug/l	98
36) 1,1-Dichloropropene	8.365	75	123862	52.350	ug/l	98
37) Ethyl Acetate	7.559	43	136332	63.508	ug/l	99
38) Carbon Tetrachloride	8.359	117	148373	56.103	ug/l	97
39) Methylcyclohexane	9.600	83	137174	56.989	ug/l	98
40) Benzene	8.600	78	404475	53.231	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084985.D
Acq On : 20 Nov 2024 21:46
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 21 00:51:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	76915	66.627 ug/l	99
42) 1,2-Dichloroethane	8.665	62	136948	55.651 ug/l	100
43) Isopropyl Acetate	8.688	43	284340	72.124 ug/l	93
44) Trichloroethene	9.347	130	91468	52.196 ug/l	98
45) 1,2-Dichloropropane	9.618	63	96814	54.315 ug/l	95
46) Dibromomethane	9.706	93	70561	56.100 ug/l	99
47) Bromodichloromethane	9.882	83	146582	55.287 ug/l	95
48) Methyl methacrylate	9.676	41	107261	64.200 ug/l	98
49) 1,4-Dioxane	9.700	88	40851	1379.814 ug/l #	80
51) 4-Methyl-2-Pentanone	10.447	43	693441	338.851 ug/l	99
52) Toluene	10.629	92	248305	55.875 ug/l	99
53) t-1,3-Dichloropropene	10.835	75	146872	53.518 ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	154682	53.254 ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	94055	56.186 ug/l	97
56) Ethyl methacrylate	10.876	69	156862	64.783 ug/l	98
57) 1,3-Dichloropropane	11.159	76	163035	56.748 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	346503	305.819 ug/l	97
59) 2-Hexanone	11.194	43	526039	353.146 ug/l	98
60) Dibromochloromethane	11.359	129	111190	58.280 ug/l	98
61) 1,2-Dibromoethane	11.465	107	98532	57.479 ug/l	99
64) Tetrachloroethene	11.100	164	79627	51.679 ug/l	97
65) Chlorobenzene	11.888	112	257302	49.651 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	98568	54.683 ug/l	96
67) Ethyl Benzene	11.965	91	471549	54.512 ug/l	100
68) m/p-Xylenes	12.070	106	362101	110.569 ug/l	98
69) o-Xylene	12.394	106	175316	57.226 ug/l	99
70) Styrene	12.412	104	292993	54.824 ug/l	99
71) Bromoform	12.576	173	75493	55.658 ug/l #	98
73) Isopropylbenzene	12.694	105	438473	50.388 ug/l	99
74) N-amyl acetate	12.494	43	204266	55.151 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	144707	49.820 ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	123936m	49.929 ug/l	
77) Bromobenzene	12.976	156	107358	45.892 ug/l	95
78) n-propylbenzene	13.035	91	502175	49.246 ug/l	98
79) 2-Chlorotoluene	13.123	91	318593	47.815 ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	373416	51.774 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	50899	48.647 ug/l	100
82) 4-Chlorotoluene	13.217	91	322876	46.045 ug/l	99
83) tert-Butylbenzene	13.435	119	318423	53.345 ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	379635	51.000 ug/l	99
85) sec-Butylbenzene	13.617	105	425223	50.431 ug/l	100
86) p-Isopropyltoluene	13.729	119	355921	51.470 ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	192082	42.073 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	195268	46.540 ug/l	99
89) n-Butylbenzene	14.053	91	287540	44.452 ug/l	99
90) Hexachloroethane	14.335	117	69601	45.133 ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	198590	45.267 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	30660	52.104 ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	92582	38.555 ug/l	99
94) Hexachlorobutadiene	15.500	225	43676	41.418 ug/l	95
95) Naphthalene	15.641	128	326191	45.383 ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	92421	39.649 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084985.D
Acq On : 20 Nov 2024 21:46
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 21 00:51:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

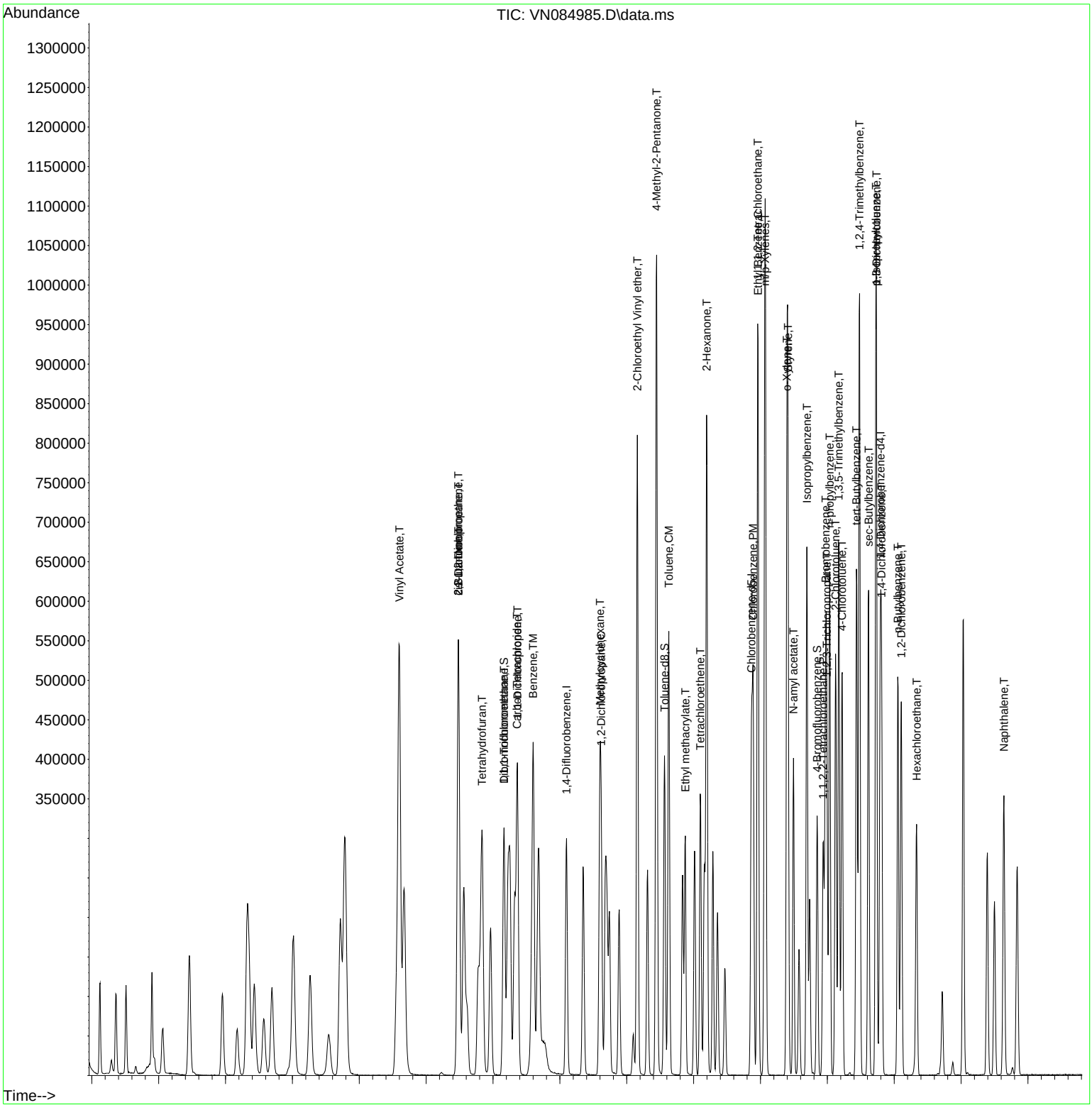
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084985.D
Acq On : 20 Nov 2024 21:46
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

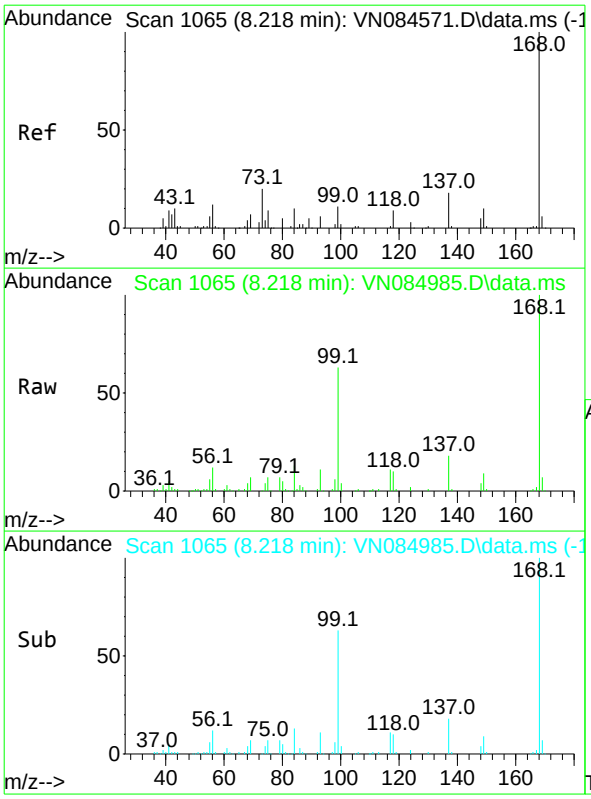
Quant Time: Nov 21 00:51:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

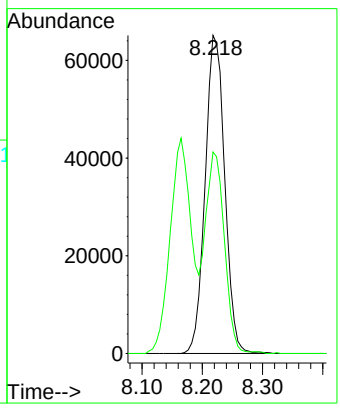




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:168 Resp: 147117

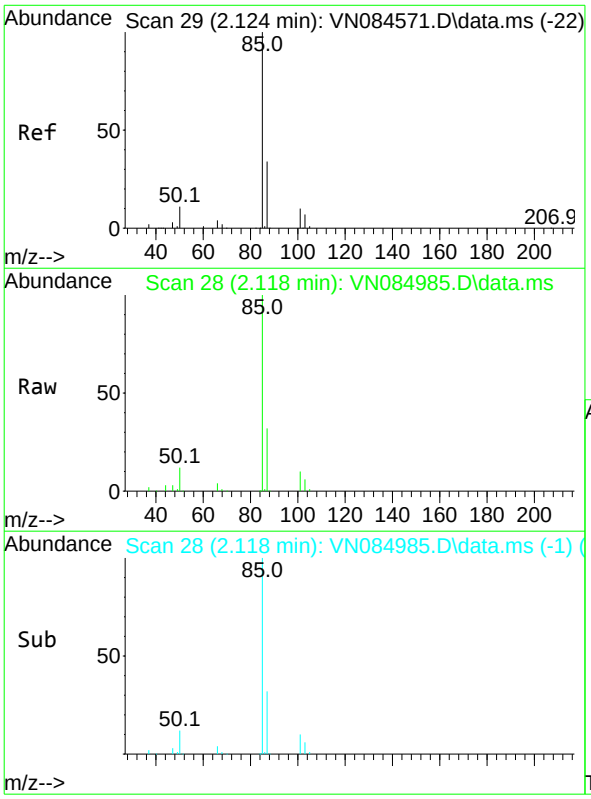
Ion	Ratio	Lower	Upper
168	100		
99	63.1	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

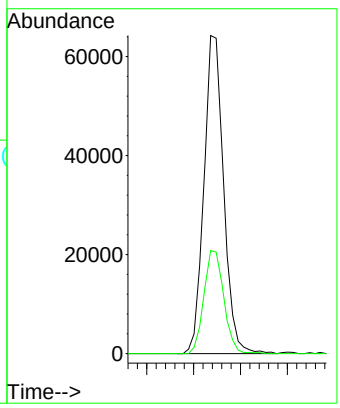
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

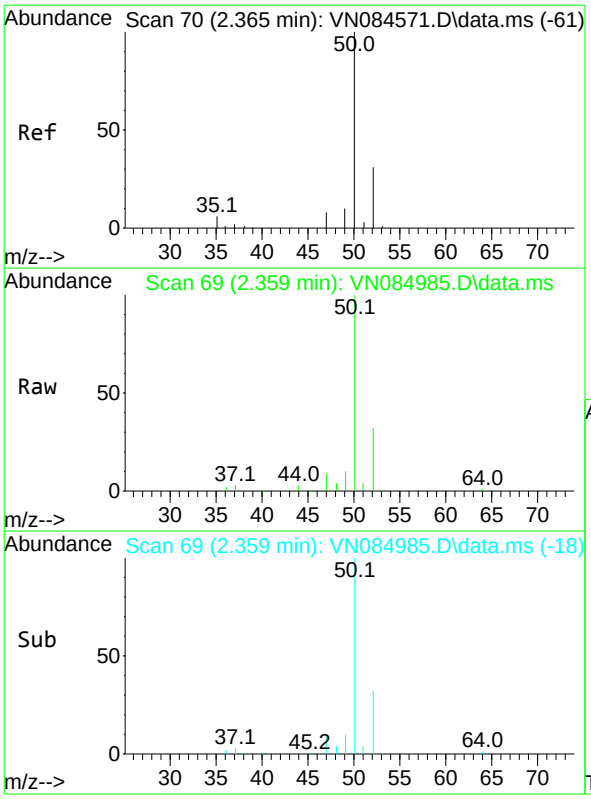


#2
Dichlorodifluoromethane
Concen: 55.441 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 85 Resp: 93763

Ion	Ratio	Lower	Upper
85	100		
87	32.4	17.6	52.9

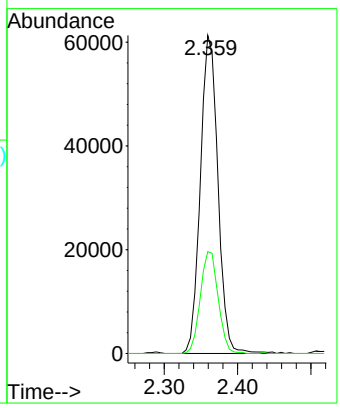




#3
Chloromethane
Concen: 51.524 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 50 Resp: 102096

Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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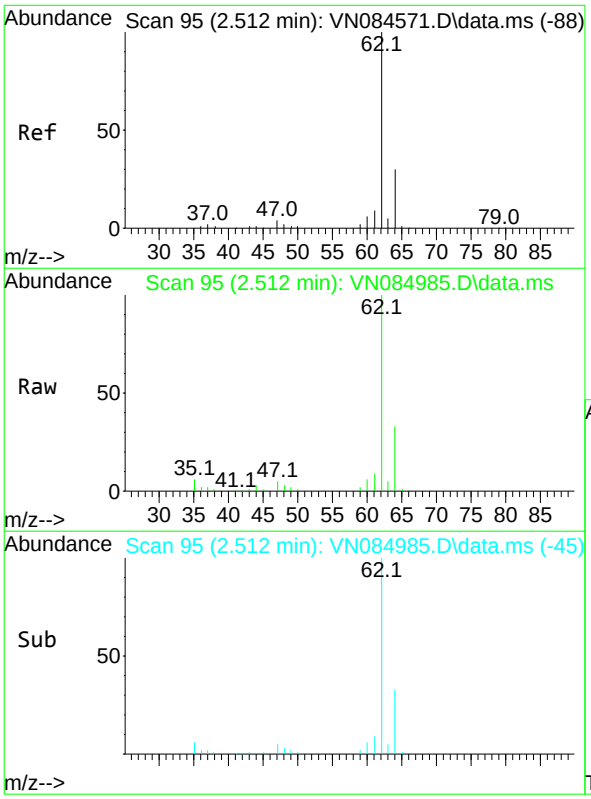
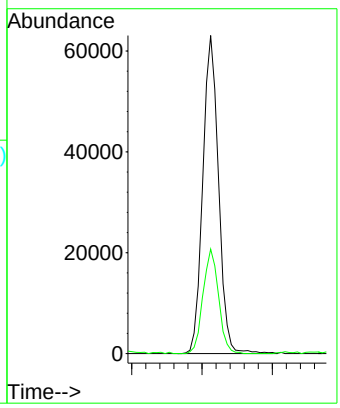
Supervised By :Mahesh Dadoda 11/21/2024

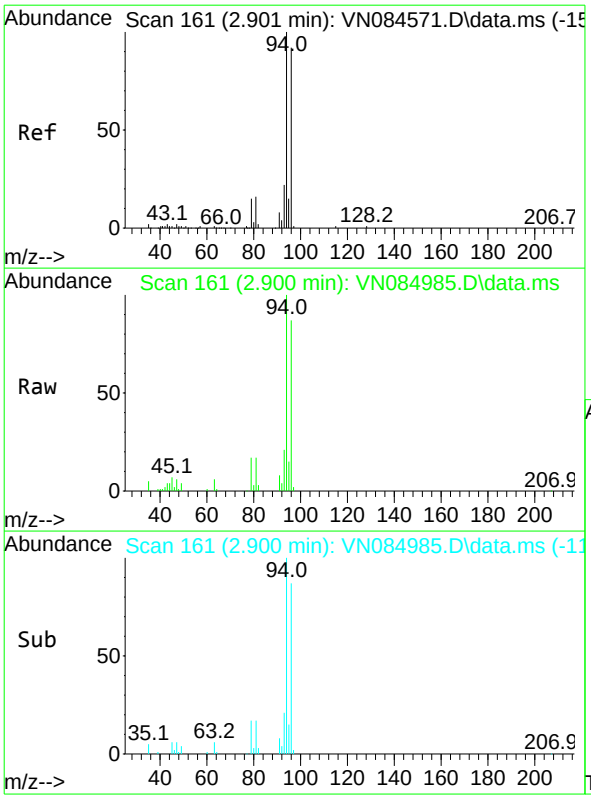


#4
Vinyl Chloride
Concen: 53.978 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 62 Resp: 98187

Ion	Ratio	Lower	Upper
62	100		
64	32.9	26.2	39.4

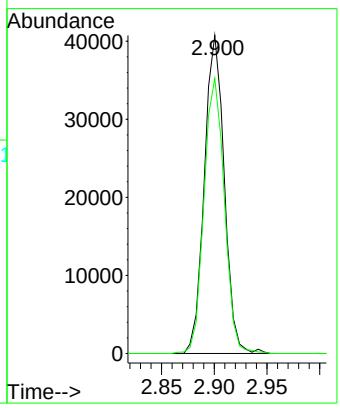




#5
Bromomethane
Concen: 55.545 ug/l
RT: 2.900 min Scan# 16
Delta R.T. -0.053 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 94 Resp: 53533

Ion	Ratio	Lower	Upper
94	100		
96	86.5	72.9	109.3



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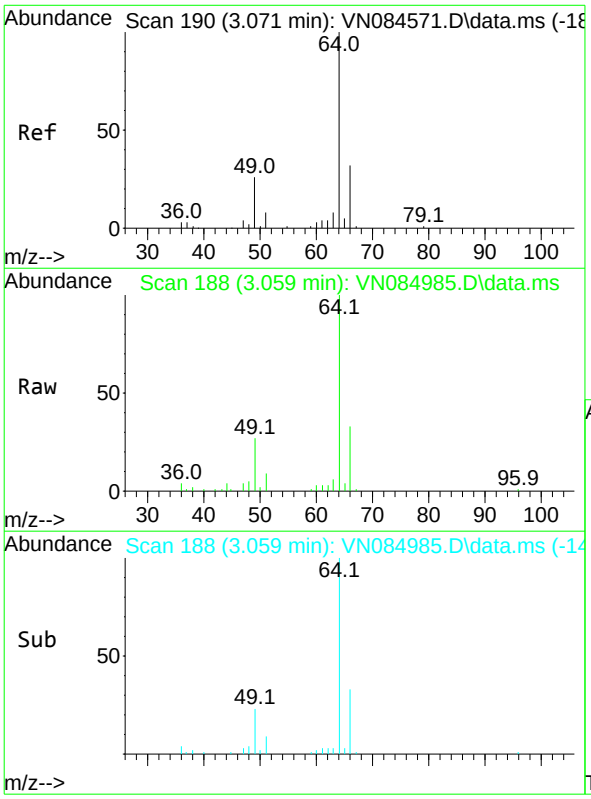
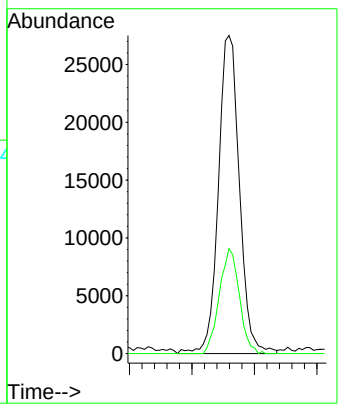
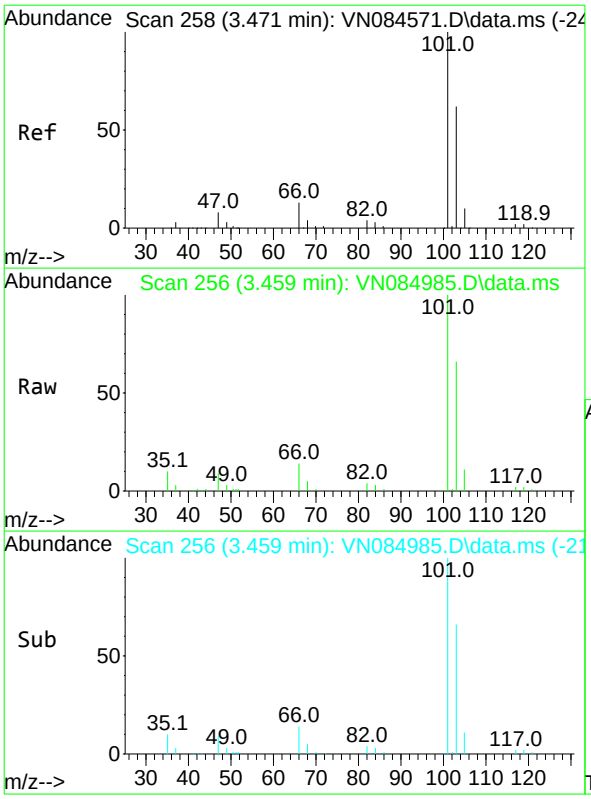


#6
Chloroethane
Concen: 57.392 ug/l
RT: 3.059 min Scan# 188
Delta R.T. -0.059 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 64 Resp: 64390

Ion	Ratio	Lower	Upper
64	100		
66	33.0	23.5	35.3

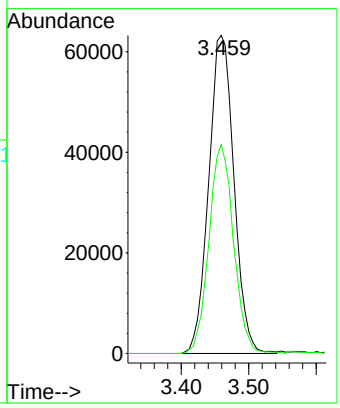




#7
Trichlorofluoromethane
Concen: 54.876 ug/l
RT: 3.459 min Scan# 25
Delta R.T. -0.036 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:101 Resp: 164430

Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.8	77.6



Instrument :
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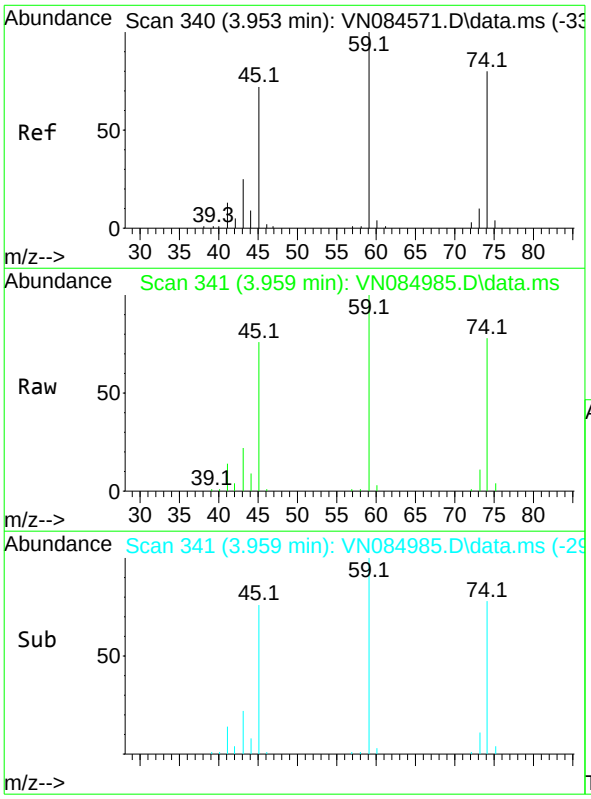
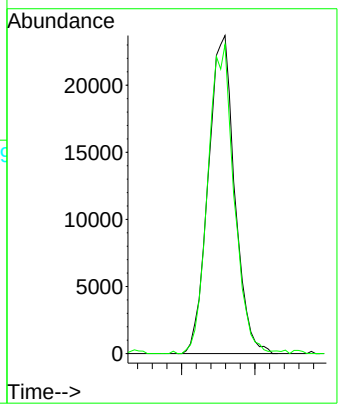
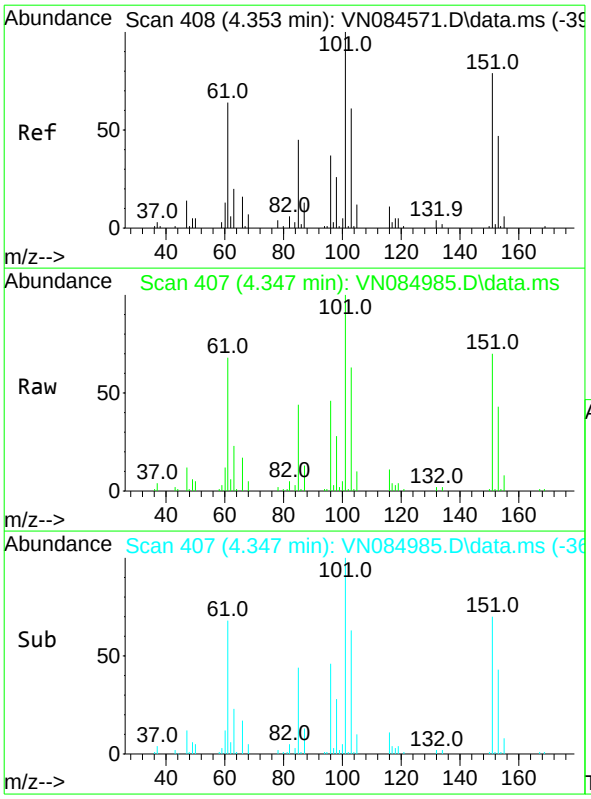


#8
Diethyl Ether
Concen: 56.082 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 74 Resp: 59279

Ion	Ratio	Lower	Upper
74	100		
45	96.2	47.7	143.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.541 ug/l
RT: 4.347 min Scan# 40
Delta R.T. -0.024 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:101 Resp: 92345

Ion	Ratio	Lower	Upper
101	100		
85	43.8	36.2	54.4
151	74.8	59.3	88.9

Instrument :
MSVOA_N
ClientSampleId :
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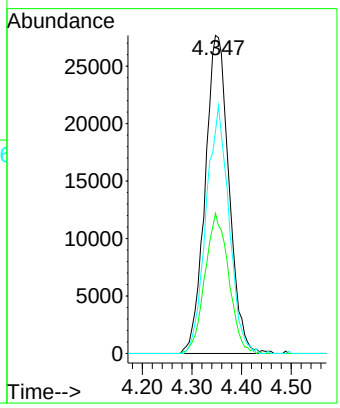
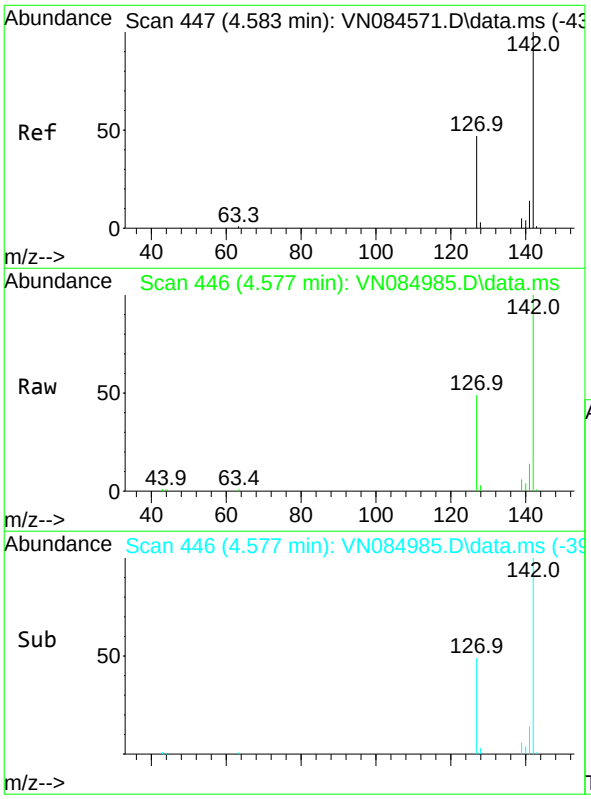
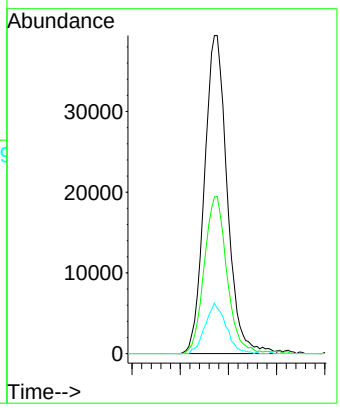


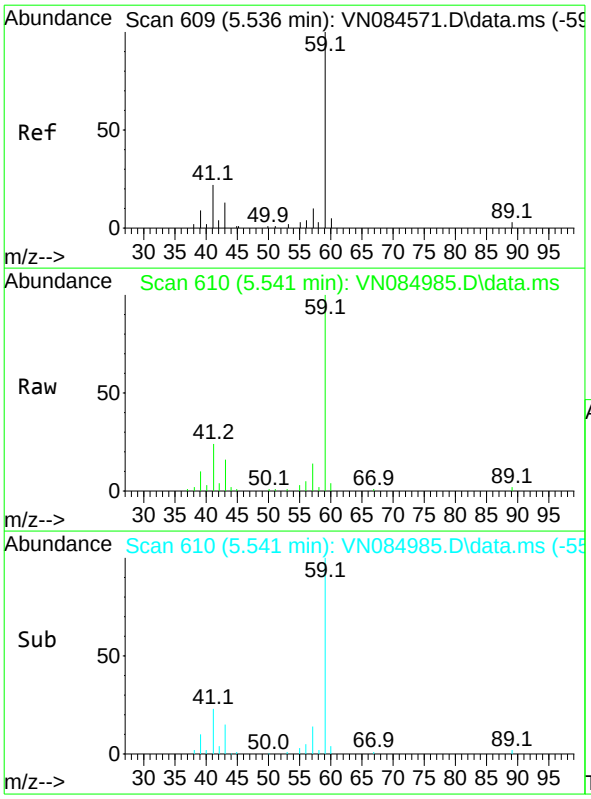


#10
Methyl Iodide
Concen: 57.066 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:142 Resp: 129133

Ion	Ratio	Lower	Upper
142	100		
127	49.4	35.3	52.9
141	14.2	11.0	16.6





#11
Tert butyl alcohol
Concen: 361.410 ug/l
RT: 5.541 min Scan# 61
Delta R.T. 0.018 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 59 Resp: 101367

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

Instrument :
MSVOA_N
ClientSampleId :
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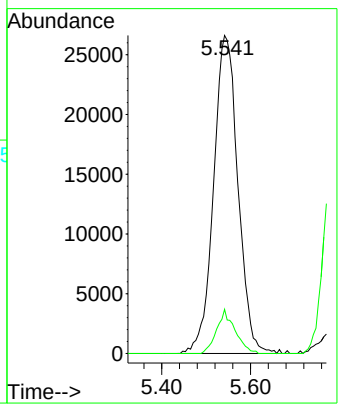
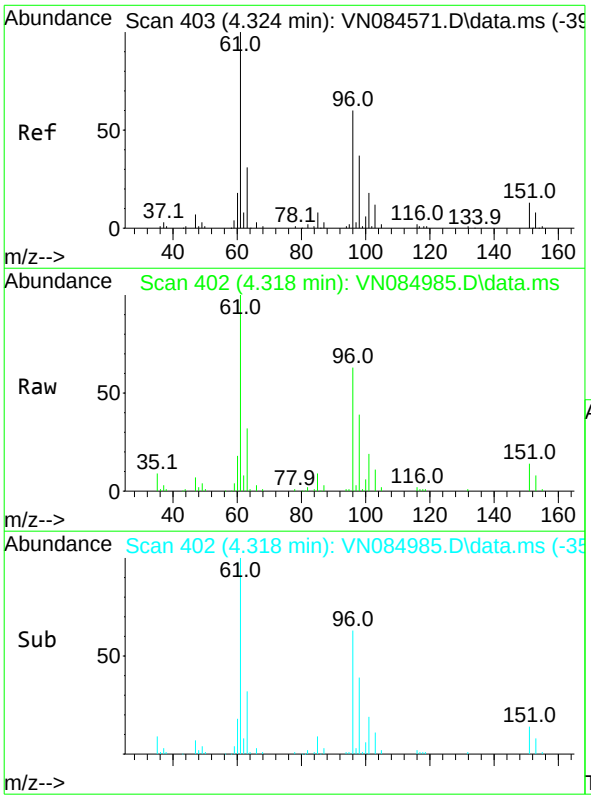
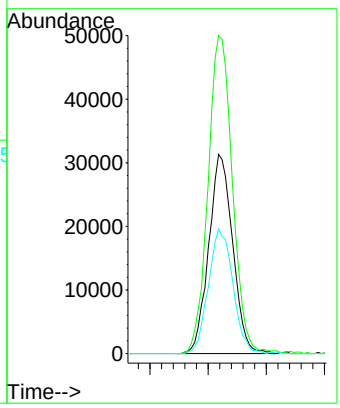


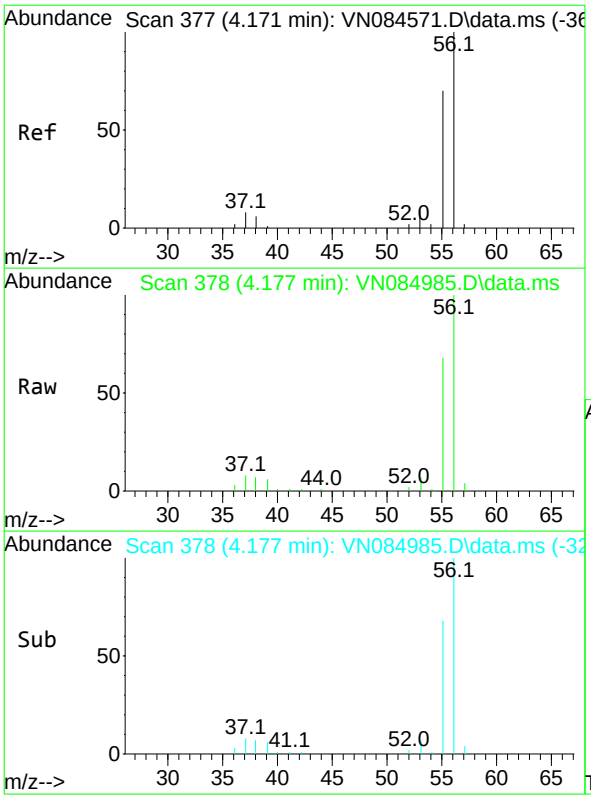


#12
1,1-Dichloroethene
Concen: 53.467 ug/l
RT: 4.318 min Scan# 402
Delta R.T. -0.024 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 96 Resp: 89577

Ion	Ratio	Lower	Upper
96	100		
61	159.7	128.6	192.8
98	62.6	51.7	77.5

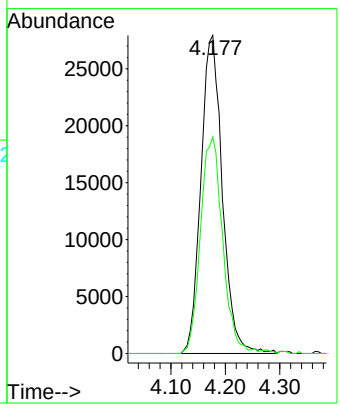




#13
Acrolein
Concen: 273.856 ug/l
RT: 4.177 min Scan# 37
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 56 Resp: 76593

Ion	Ratio	Lower	Upper
56	100		
55	70.2	57.2	85.8



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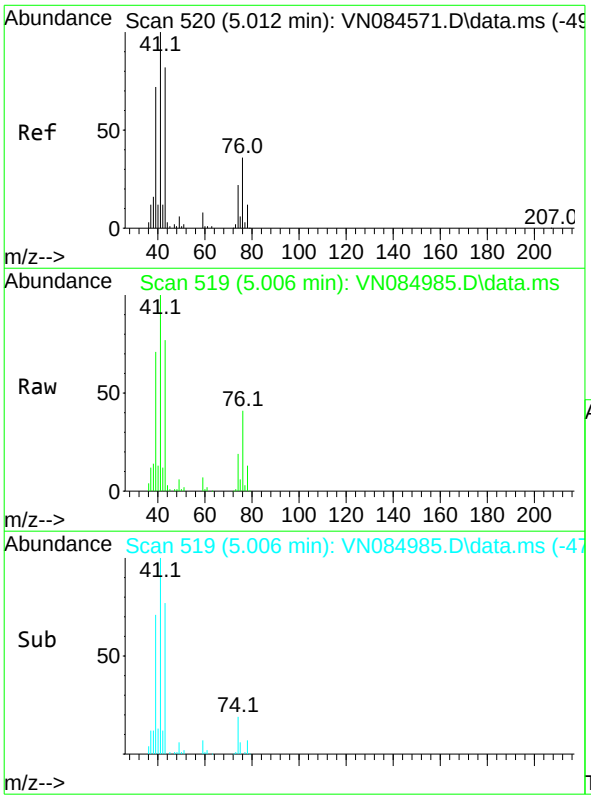
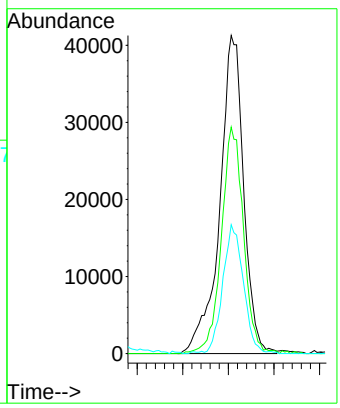
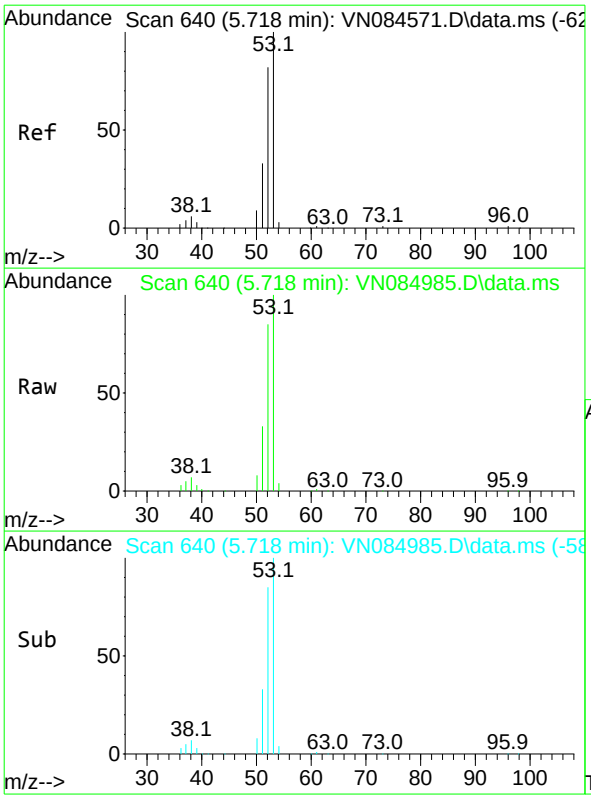


#14
Allyl chloride
Concen: 55.481 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.018 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 41 Resp: 150741

Ion	Ratio	Lower	Upper
41	100		
39	65.5	59.0	88.6
76	34.9	29.8	44.6

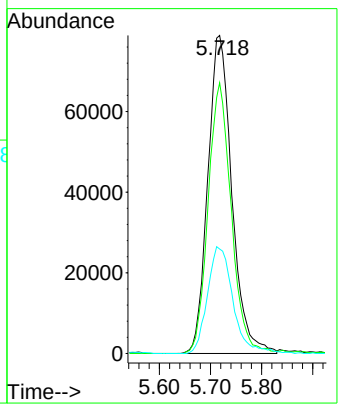




#15
Acrylonitrile
Concen: 317.602 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 53 Resp: 257882

Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.2	99.4
51	35.7	28.8	43.2



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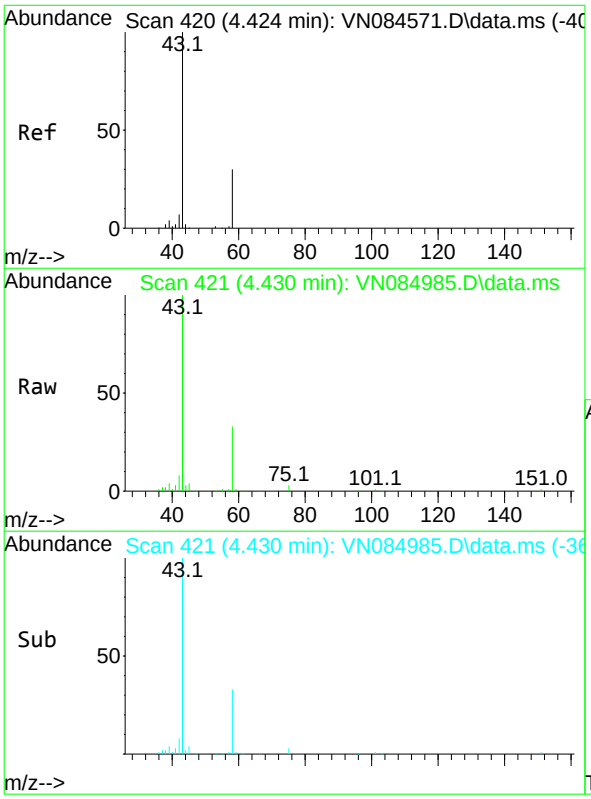
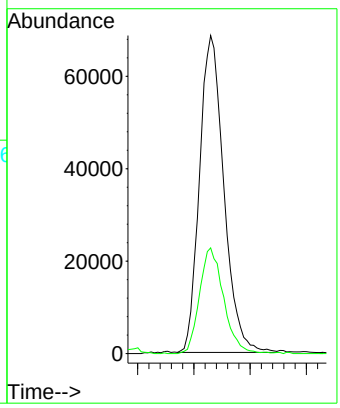
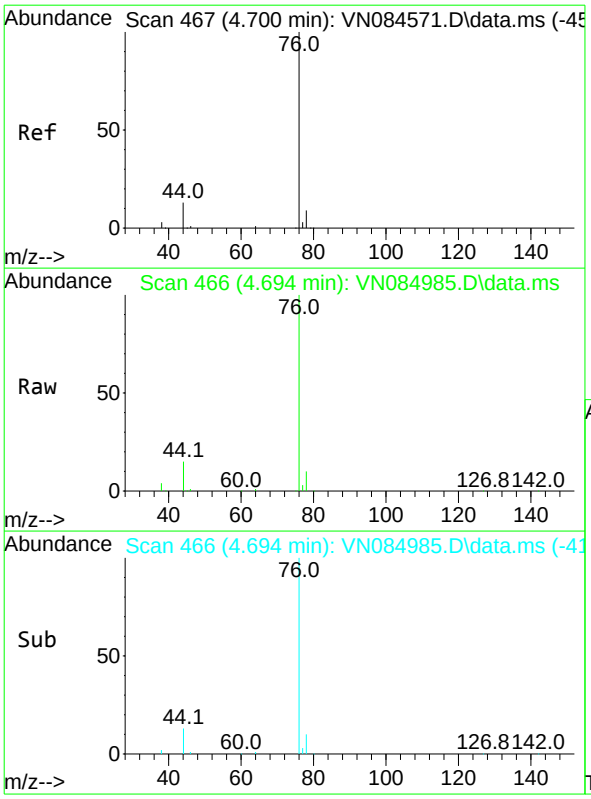


#16
Acetone
Concen: 337.153 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 43 Resp: 206332

Ion	Ratio	Lower	Upper
43	100		
58	33.4	24.4	36.6

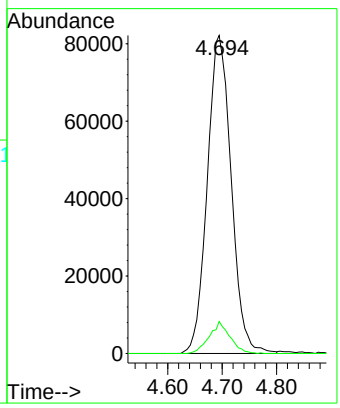




#17
Carbon Disulfide
Concen: 48.686 ug/l
RT: 4.694 min Scan# 46
Delta R.T. -0.018 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 76 Resp: 251188

Ion	Ratio	Lower	Upper
76	100		
78	10.1	7.3	10.9



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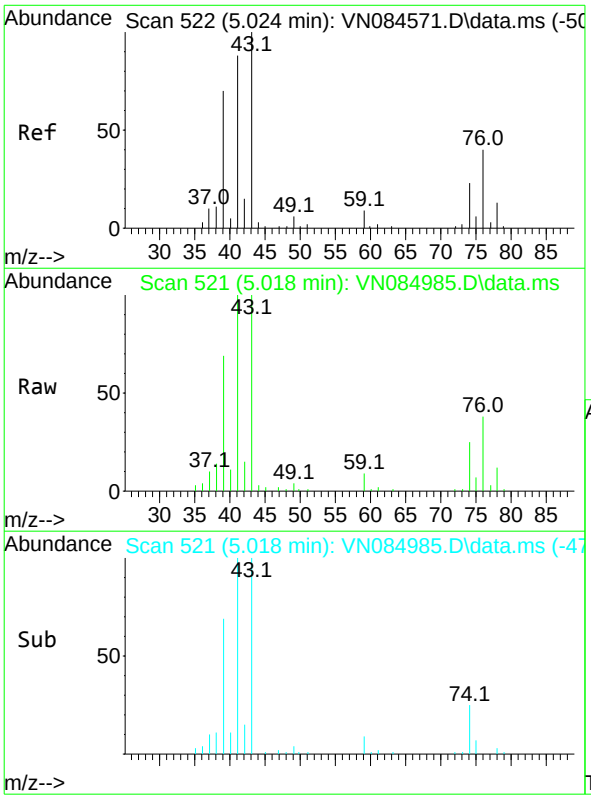
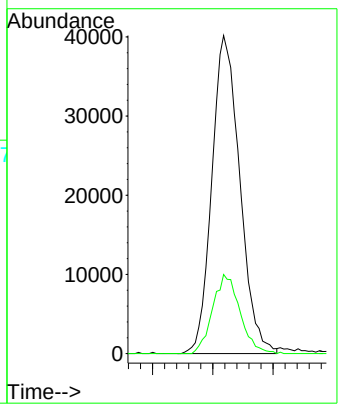
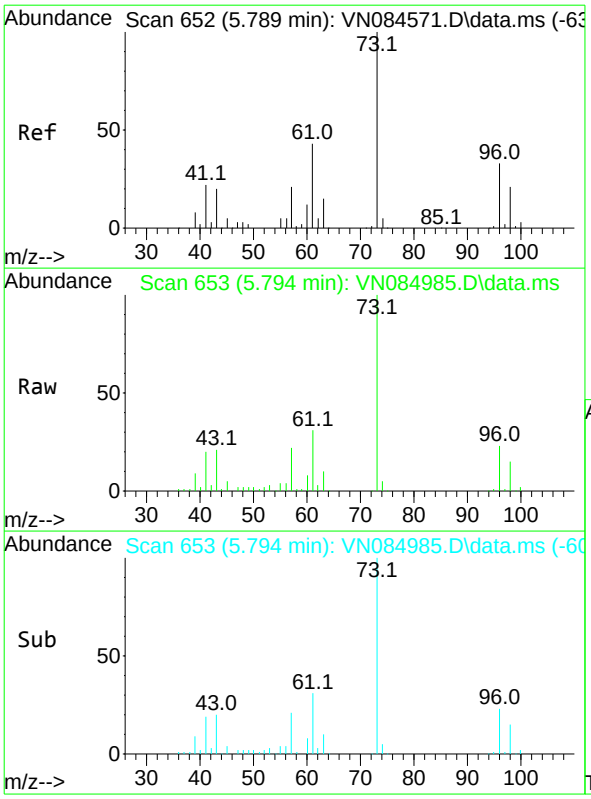


#18
Methyl Acetate
Concen: 58.427 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 43 Resp: 129491

Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.2	28.8

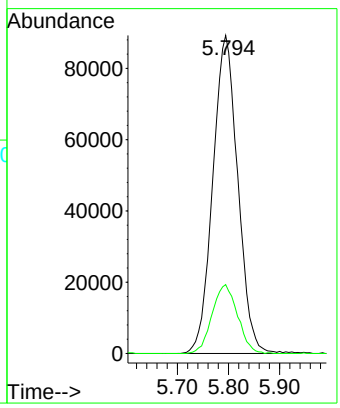




#19
Methyl tert-butyl Ether
Concen: 58.918 ug/l
RT: 5.794 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 73 Resp: 302548

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.7	26.5



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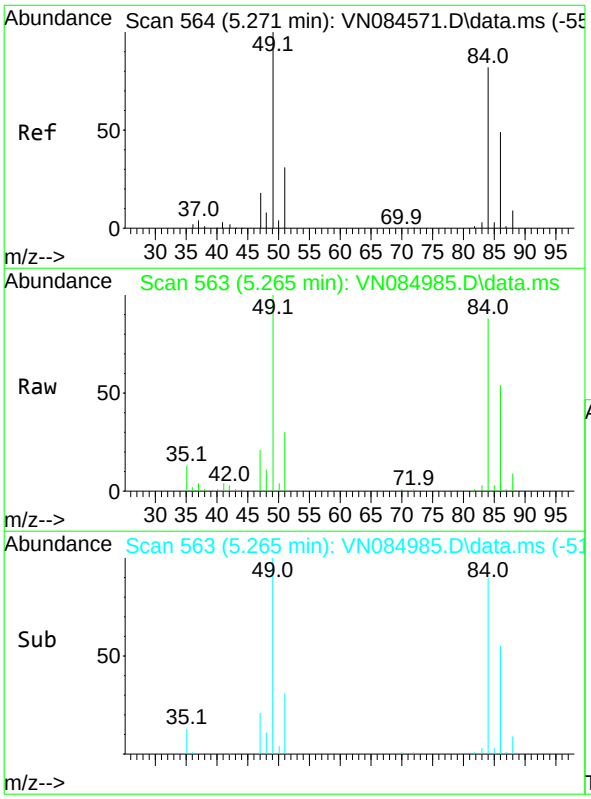
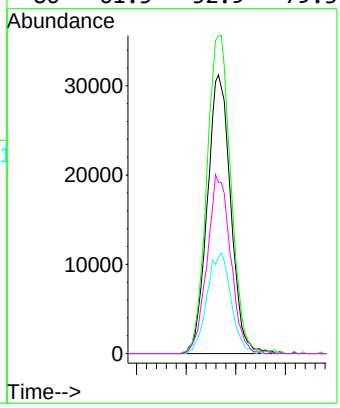
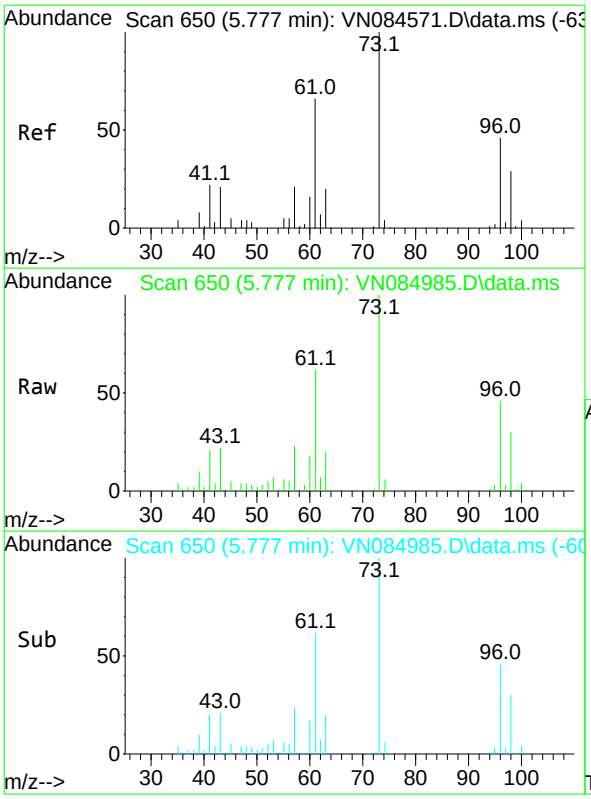


#20
Methylene Chloride
Concen: 54.742 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 84 Resp: 102304

Ion	Ratio	Lower	Upper
84	100		
49	114.0	107.2	160.8
51	34.5	31.8	47.8
86	61.5	52.9	79.3

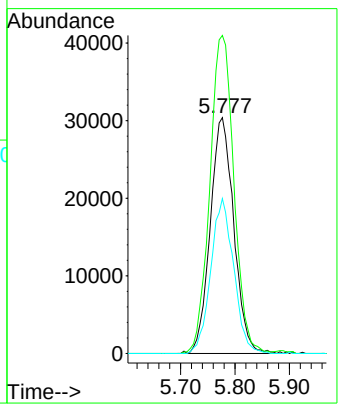




#21
trans-1,2-Dichloroethene
Concen: 53.204 ug/l
RT: 5.777 min Scan# 65
Delta R.T. -0.012 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 96 Resp: 91527

Ion	Ratio	Lower	Upper
96	100		
61	134.9	108.4	162.6
98	65.7	49.8	74.8



Instrument :
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ClientSampleId :
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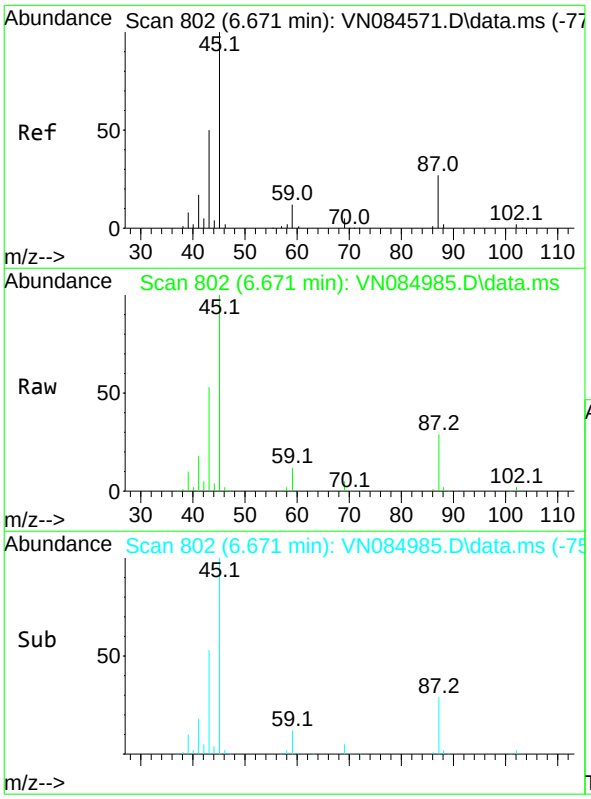
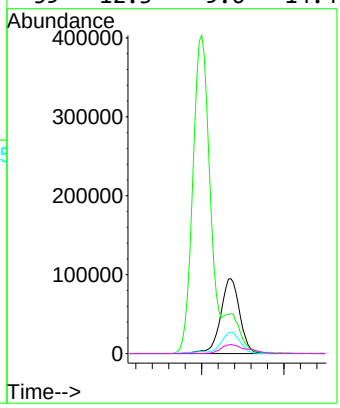
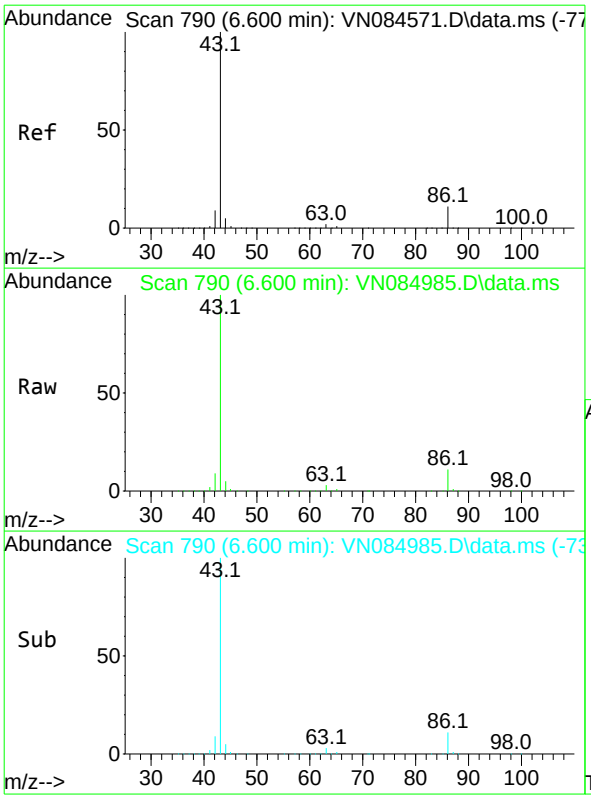


#22
Diisopropyl ether
Concen: 56.891 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 45 Resp: 307141

Ion	Ratio	Lower	Upper
45	100		
43	52.1	42.3	63.5
87	28.4	21.8	32.6
59	12.3	9.6	14.4

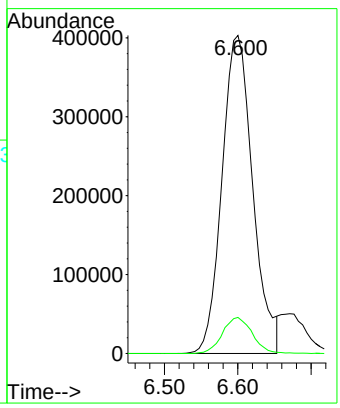




#23
Vinyl Acetate
Concen: 315.894 ug/l
RT: 6.600 min Scan# 79
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 43 Resp: 1176079

Ion	Ratio	Lower	Upper
43	100		
86	11.3	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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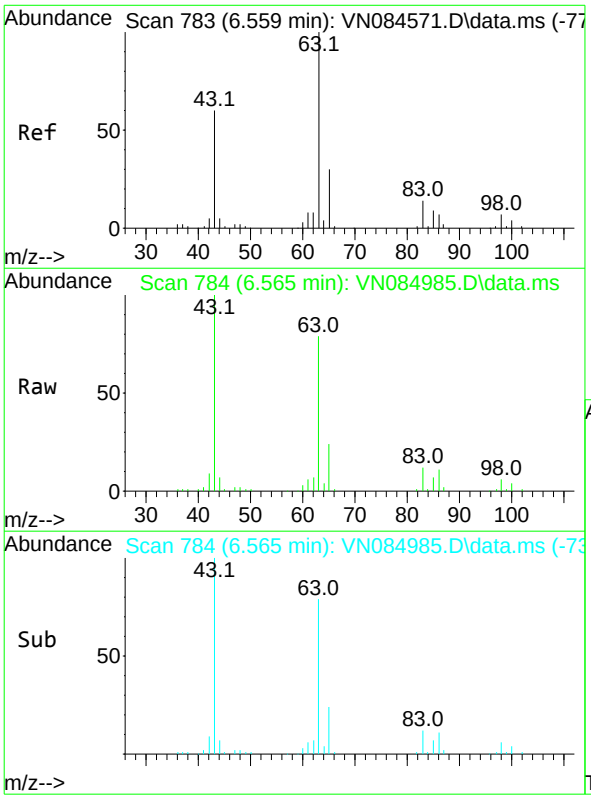
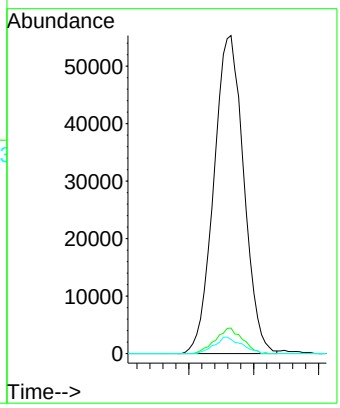
Supervised By :Mahesh Dadoda 11/21/2024

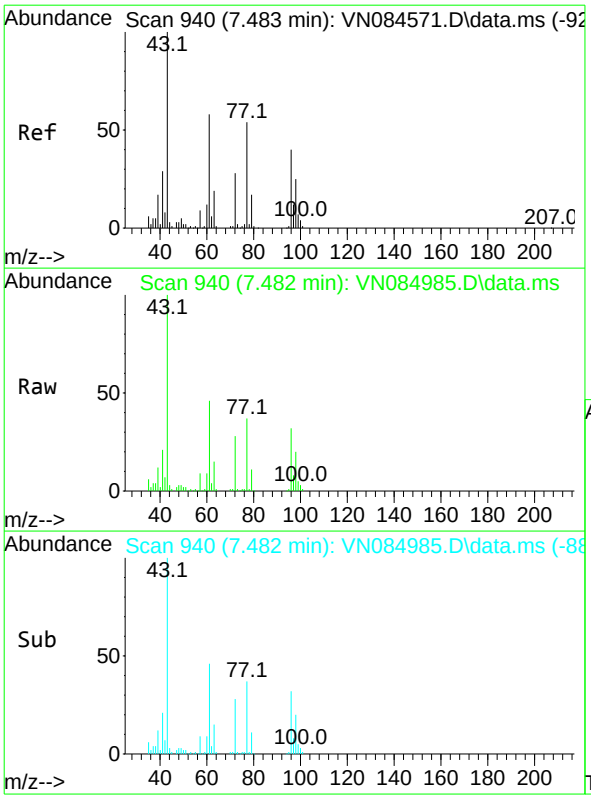


#24
1,1-Dichloroethane
Concen: 54.624 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 63 Resp: 177051

Ion	Ratio	Lower	Upper
63	100		
98	8.0	3.4	10.2
100	4.5	2.0	5.8





#25
2-Butanone
Concen: 337.529 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 43 Resp: 334599

Ion	Ratio	Lower	Upper
43	100		
72	27.6	21.4	32.2

Instrument :
MSVOA_N
ClientSampleId :
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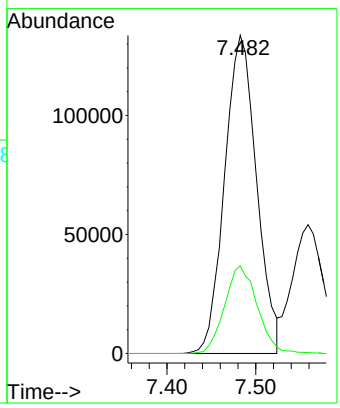
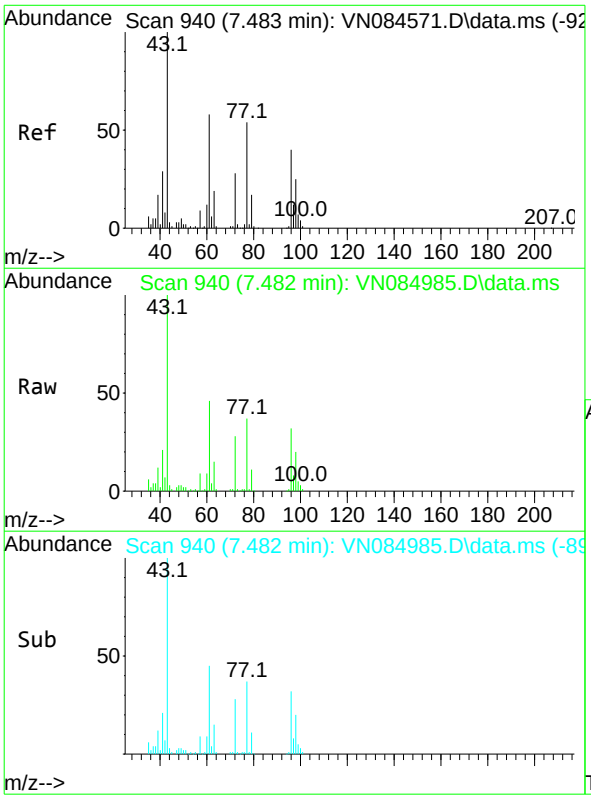
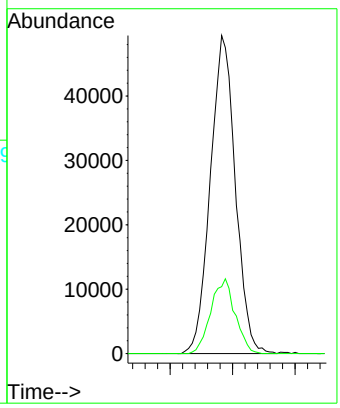


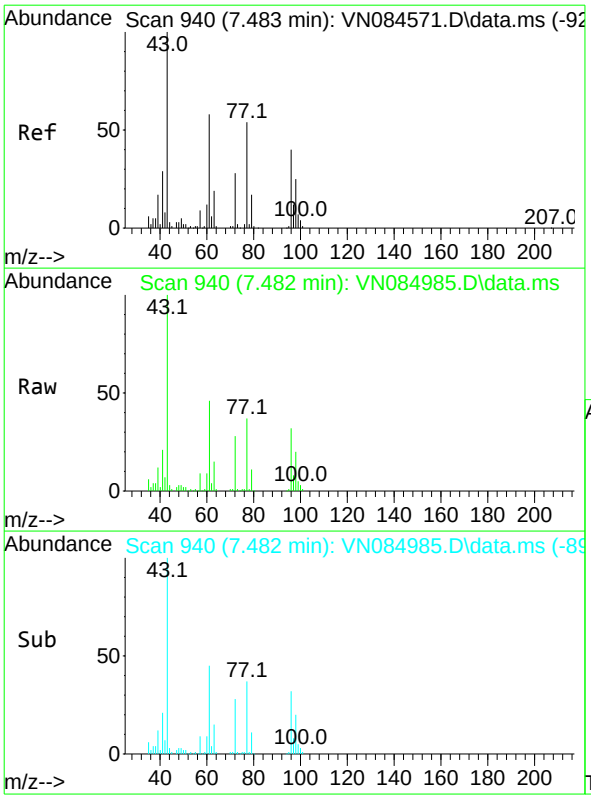


#26
2,2-Dichloropropane
Concen: 48.745 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 77 Resp: 137513

Ion	Ratio	Lower	Upper
77	100		
97	22.8	10.8	32.3

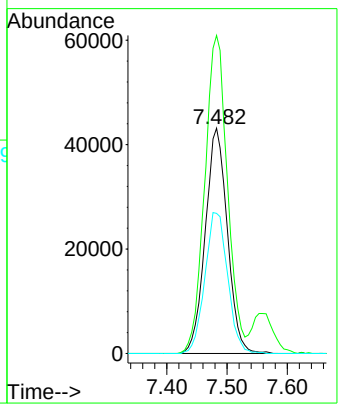




#27
cis-1,2-Dichloroethene
Concen: 54.705 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 96 Resp: 109886

Ion	Ratio	Lower	Upper
96	100		
61	144.7	0.0	301.8
98	64.6	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
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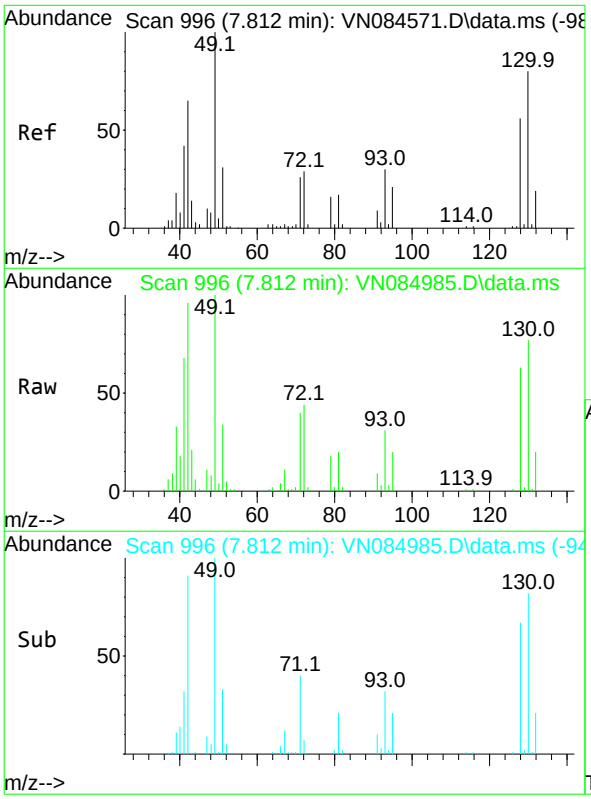
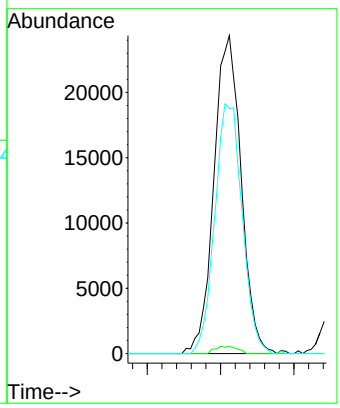
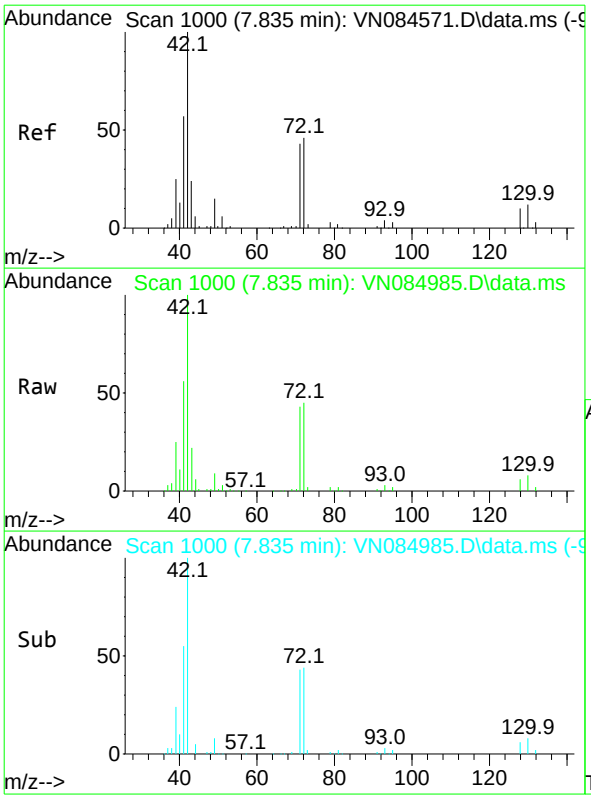


#28
Bromochloromethane
Concen: 48.556 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 49 Resp: 62703

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	79.2	58.0	87.0

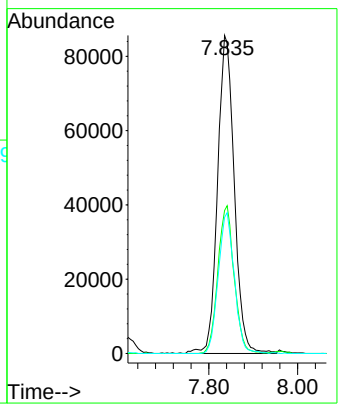




#29
Tetrahydrofuran
Concen: 339.405 ug/l
RT: 7.835 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 42 Resp: 223212

Ion	Ratio	Lower	Upper
42	100		
72	45.3	34.6	51.8
71	42.6	32.2	48.4



Instrument :
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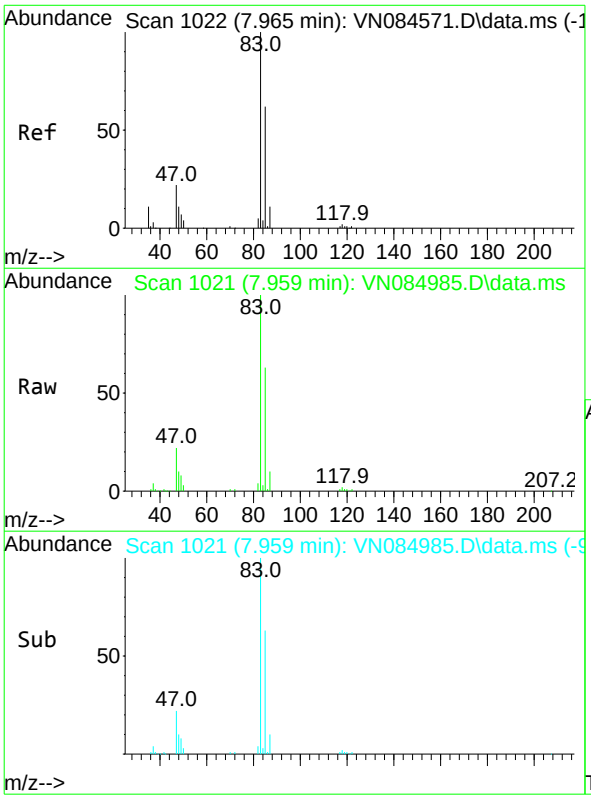
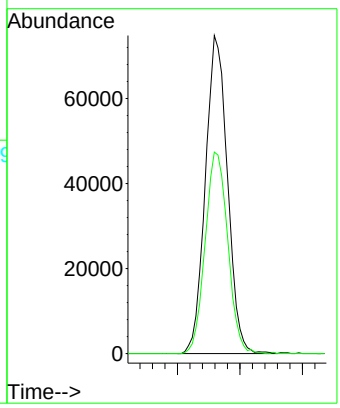
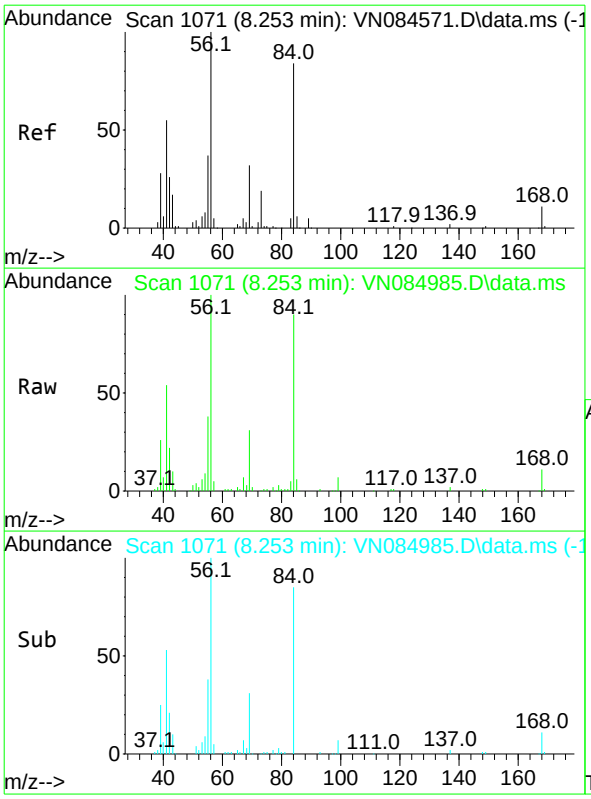


#30
Chloroform
Concen: 55.688 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 83 Resp: 183717

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.0	76.4

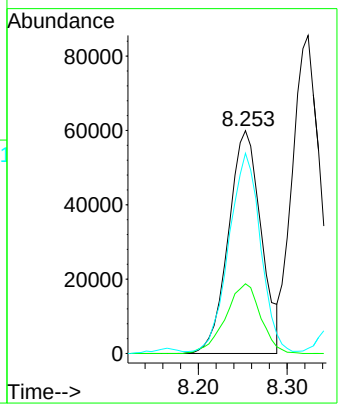




#31
Cyclohexane
Concen: 52.318 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 56 Resp: 153481

Ion	Ratio	Lower	Upper
56	100		
69	31.3	23.8	35.6
84	88.4	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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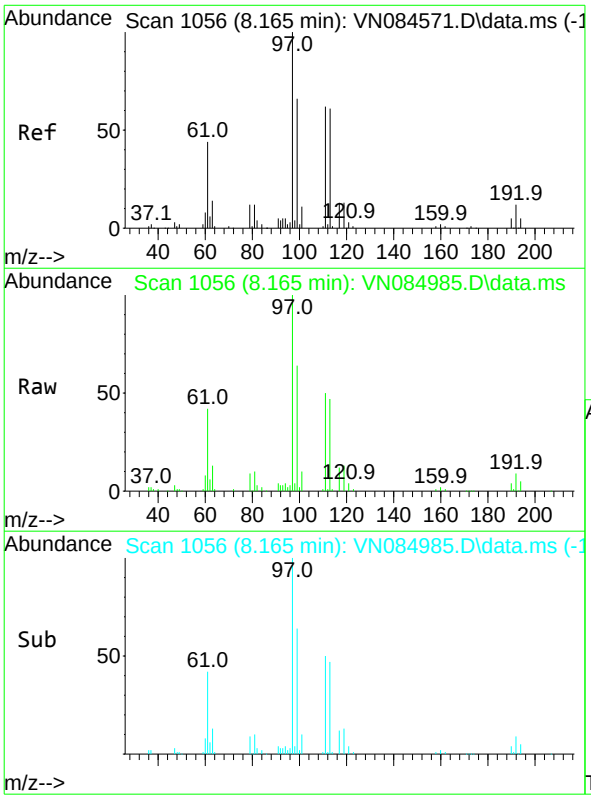
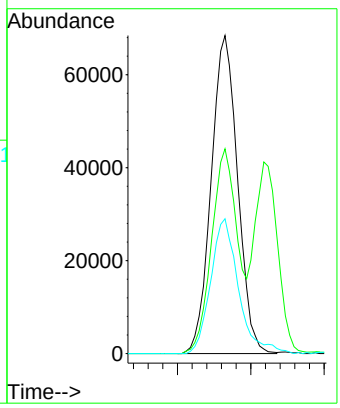
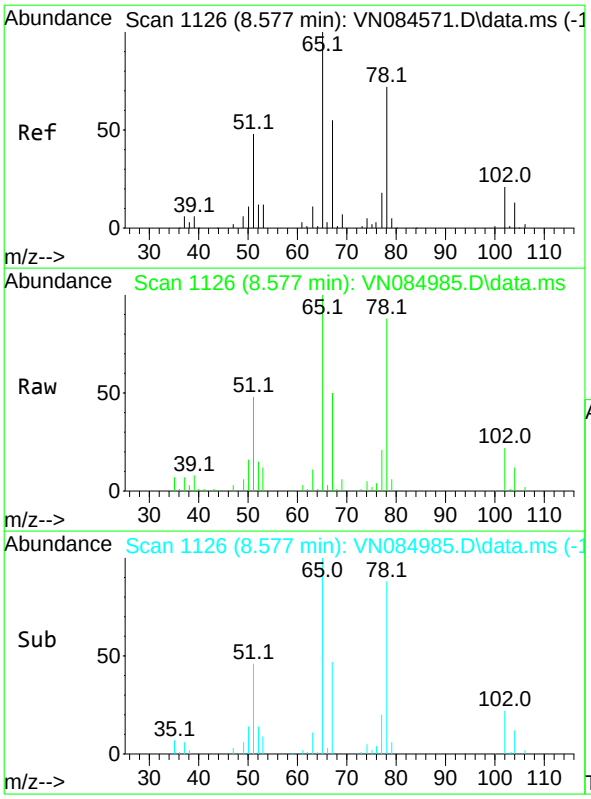


#32
1,1,1-Trichloroethane
Concen: 57.050 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 97 Resp: 171304

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.2	76.8
61	44.6	37.5	56.3

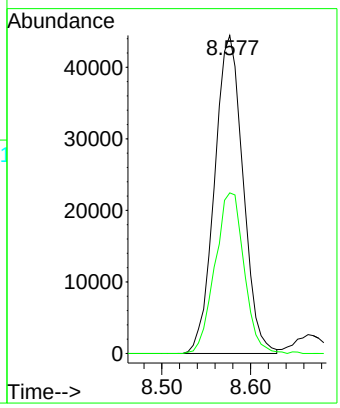




#33
1,2-Dichloroethane-d4
Concen: 46.586 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 65 Resp: 98989

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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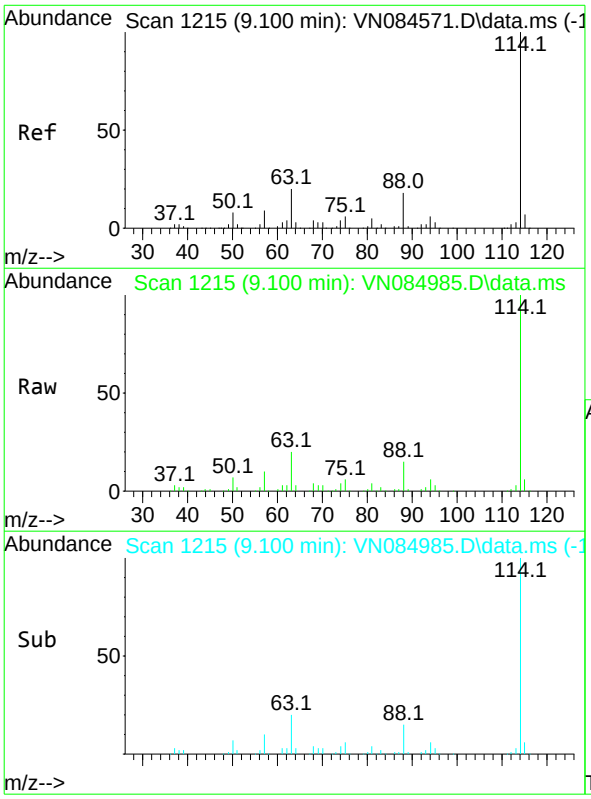
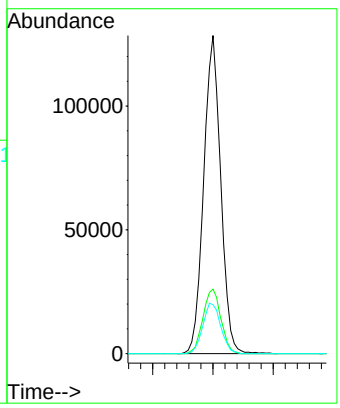
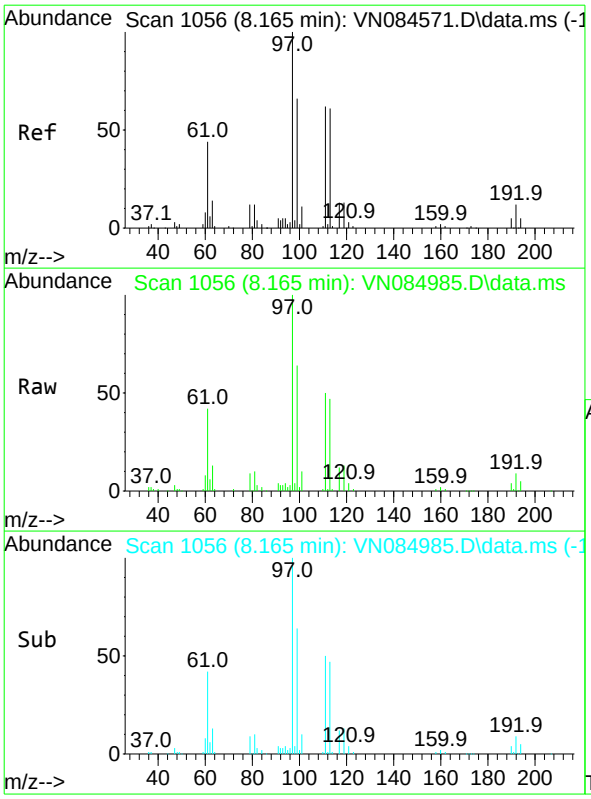


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:114 Resp: 252043

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	43.8
88	15.4	0.0	31.6

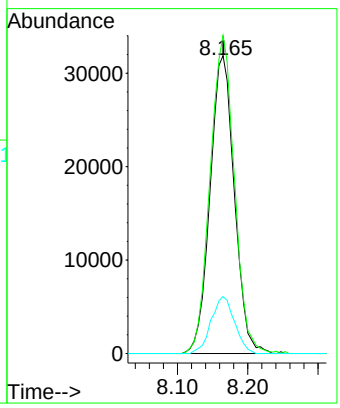




#35
Dibromofluoromethane
Concen: 44.743 ug/l
RT: 8.165 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:113 Resp: 76333

Ion	Ratio	Lower	Upper
113	100		
111	107.1	83.3	124.9
192	18.4	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
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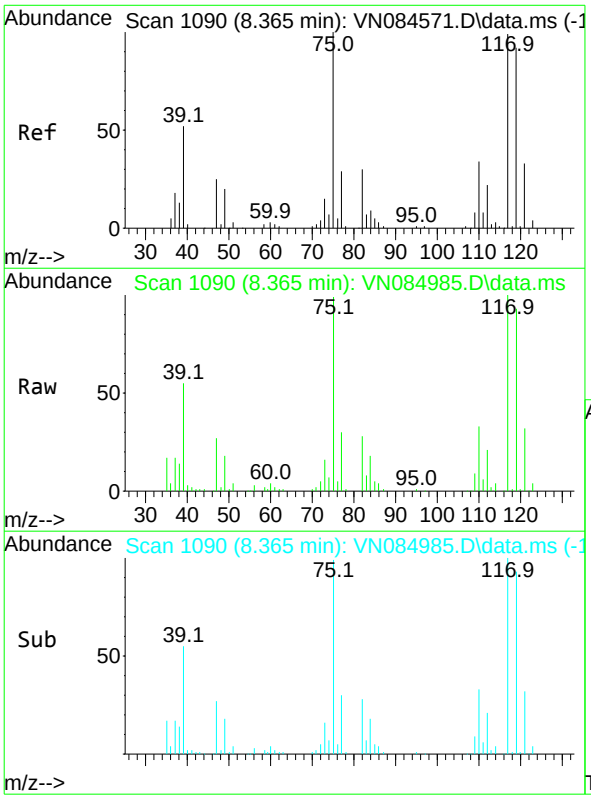
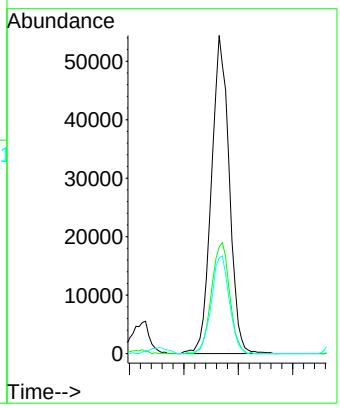
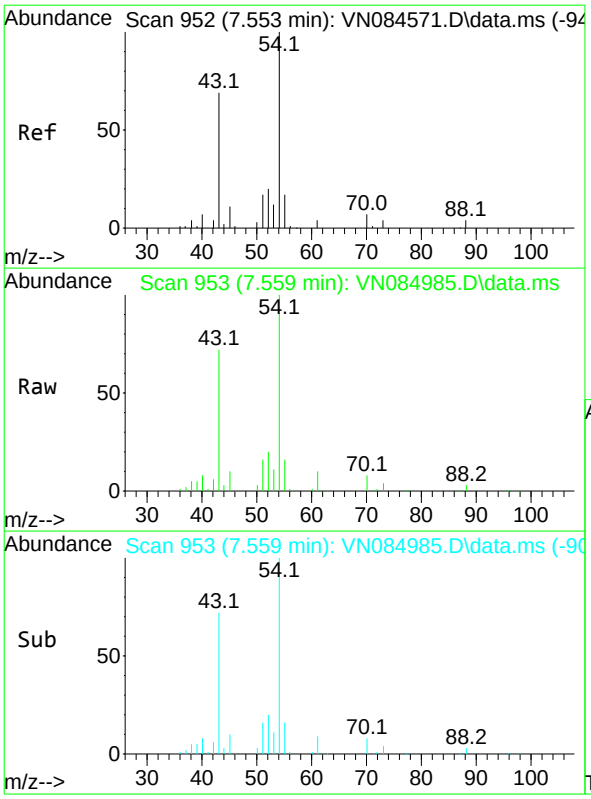


#36
1,1-Dichloropropene
Concen: 52.350 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 75 Resp: 123862

Ion	Ratio	Lower	Upper
75	100		
110	35.3	16.9	50.7
77	31.1	24.7	37.1

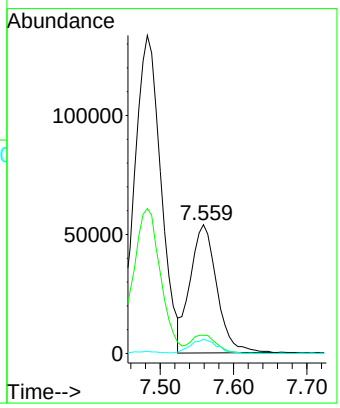




#37
Ethyl Acetate
Concen: 63.508 ug/l
RT: 7.559 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 43 Resp: 136332

Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.7	16.1
70	11.0	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
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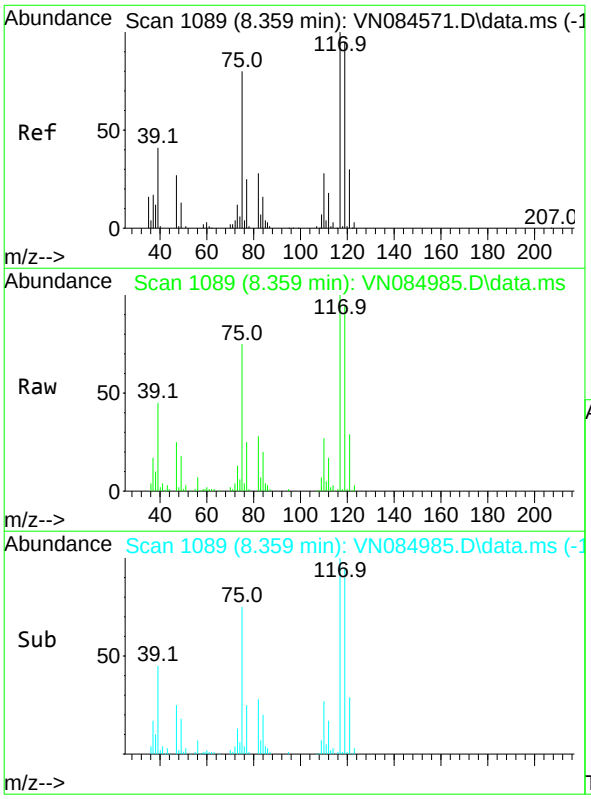
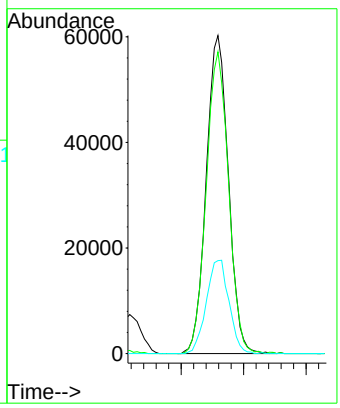
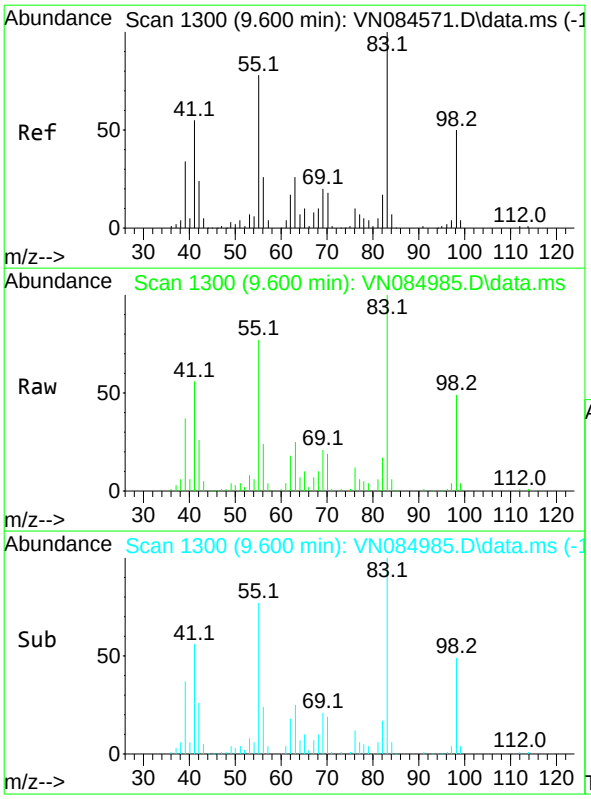


#38
Carbon Tetrachloride
Concen: 56.103 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:117 Resp: 148373

Ion	Ratio	Lower	Upper
117	100		
119	94.9	78.7	118.1
121	29.2	24.4	36.6

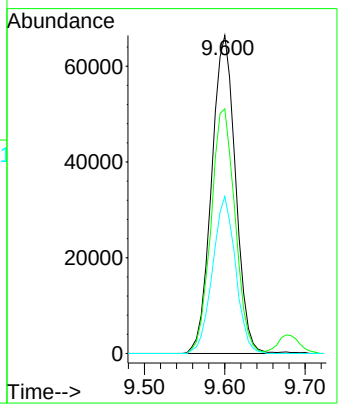




#39
Methylcyclohexane
Concen: 56.989 ug/l
RT: 9.600 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 83 Resp: 137174

Ion	Ratio	Lower	Upper
83	100		
55	76.9	62.8	94.2
98	49.4	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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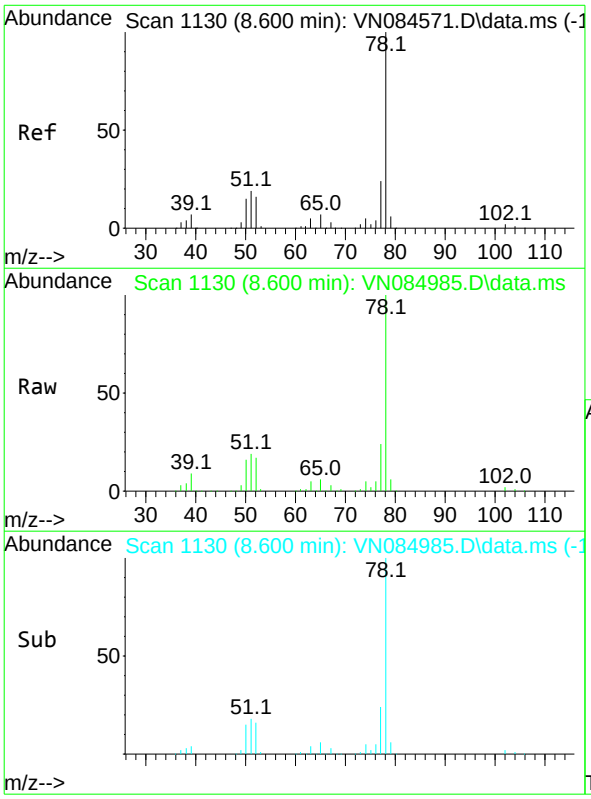
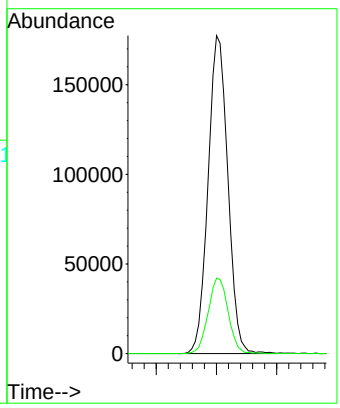
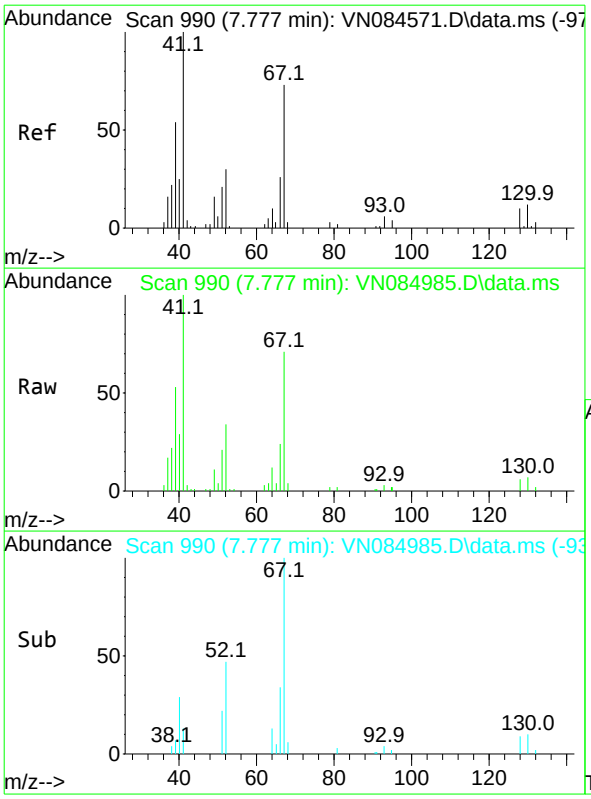


#40
Benzene
Concen: 53.231 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 78 Resp: 404475

Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7

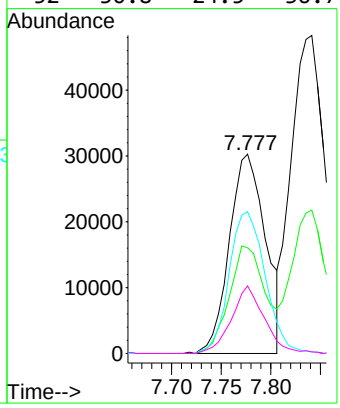




#41
Methacrylonitrile
Concen: 66.627 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 41 Resp: 76915

Ion	Ratio	Lower	Upper
41	100		
39	53.8	43.3	64.9
67	71.1	56.1	84.1
52	30.8	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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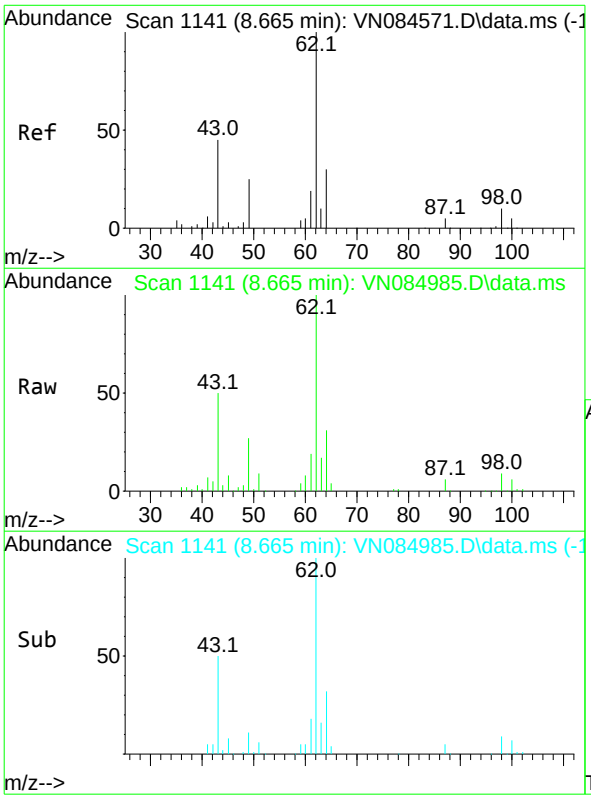
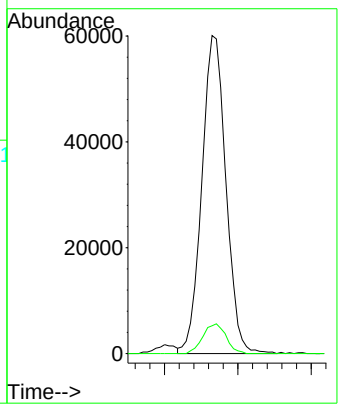
Supervised By :Mahesh Dadoda 11/21/2024

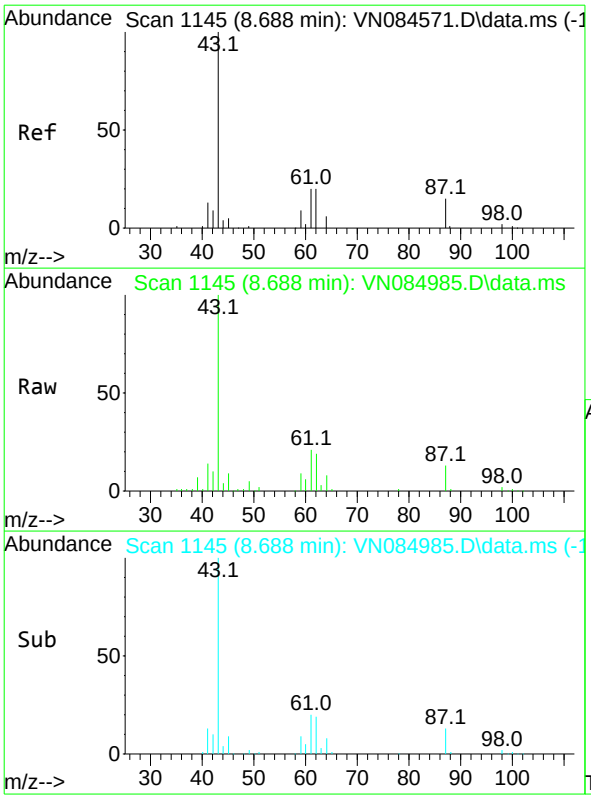


#42
1,2-Dichloroethane
Concen: 55.651 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 62 Resp: 136948

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2

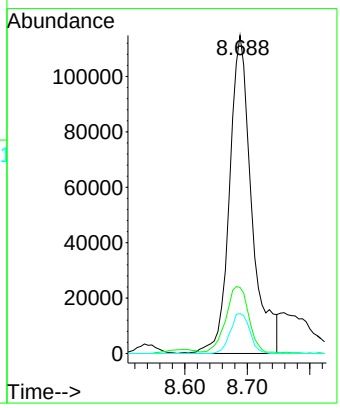




#43
Isopropyl Acetate
Concen: 72.124 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 43 Resp: 284340

Ion	Ratio	Lower	Upper
43	100		
61	21.6	20.4	30.6
87	10.9	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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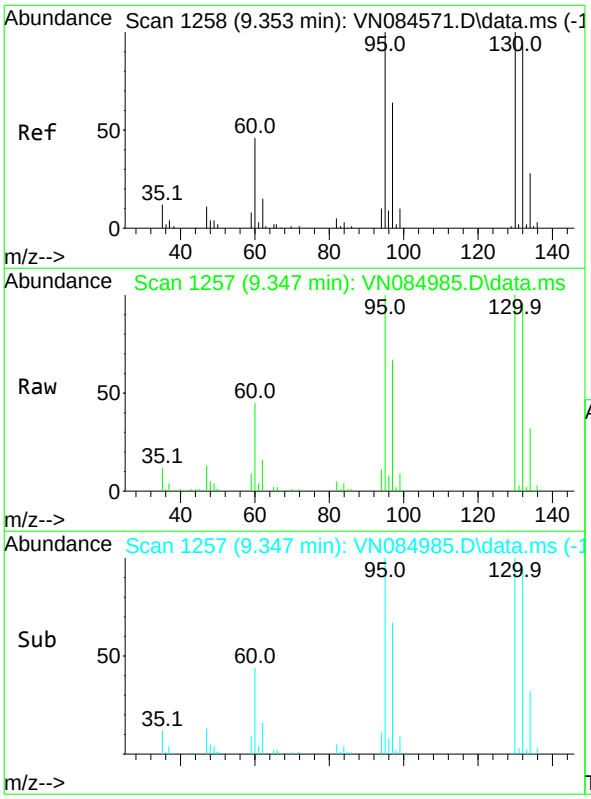
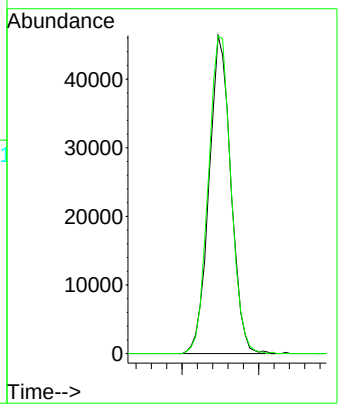
Supervised By :Mahesh Dadoda 11/21/2024

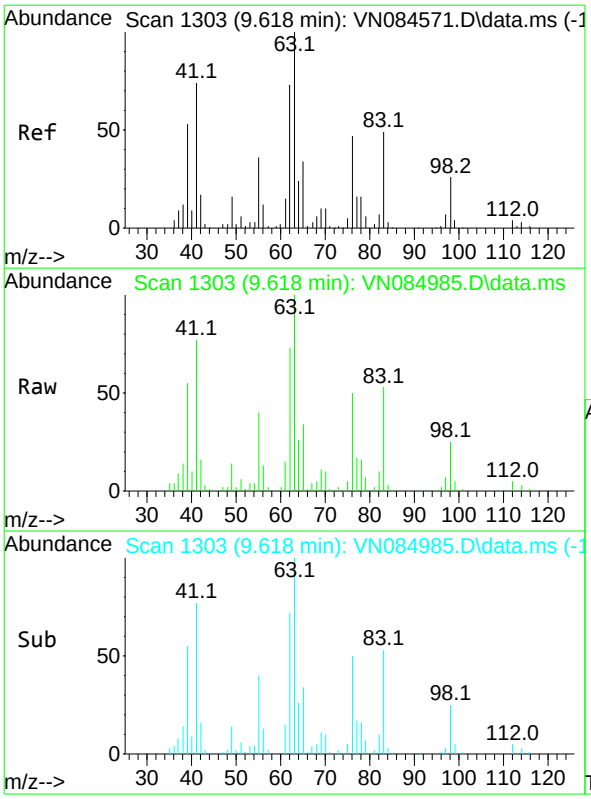


#44
Trichloroethene
Concen: 52.196 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:130 Resp: 91468

Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	203.0

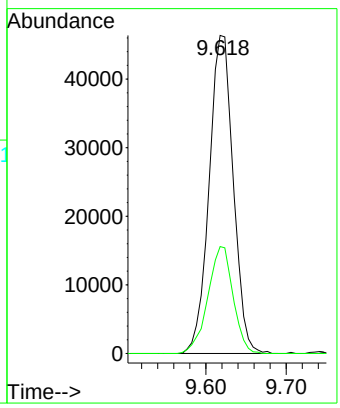




#45
1,2-Dichloropropane
Concen: 54.315 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 63 Resp: 96814

Ion	Ratio	Lower	Upper
63	100		
65	33.6	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
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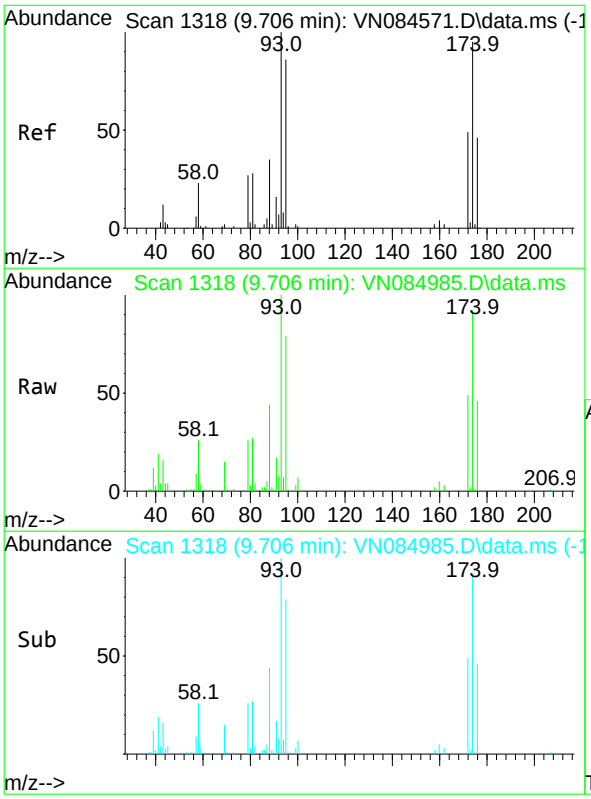
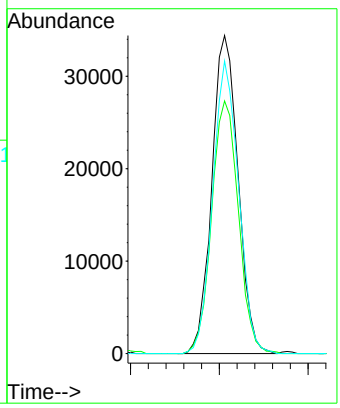
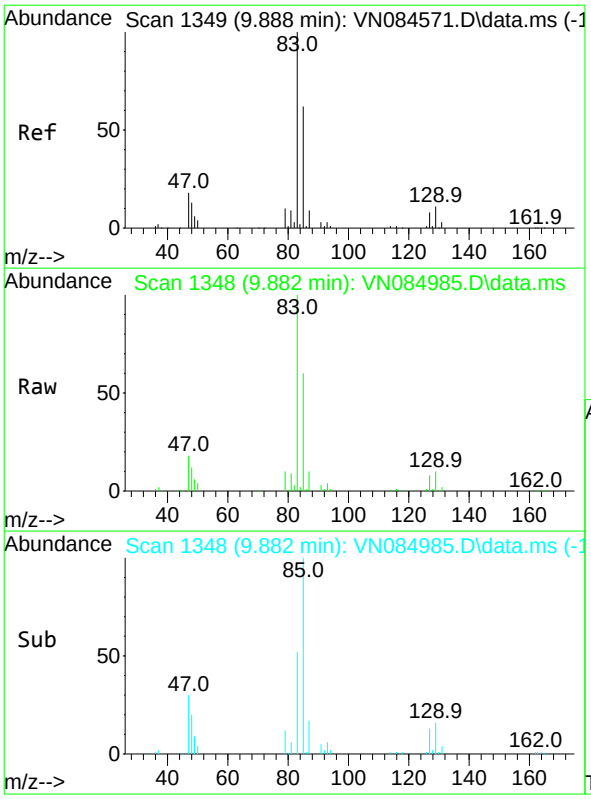


#46
Dibromomethane
Concen: 56.100 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 93 Resp: 70561

Ion	Ratio	Lower	Upper
93	100		
95	81.2	65.0	97.4
174	90.9	71.8	107.8

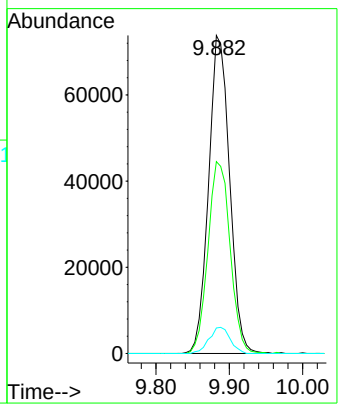




#47
Bromodichloromethane
Concen: 55.287 ug/l
RT: 9.882 min Scan# 13
Delta R.T. -0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 83 Resp: 146582

Ion	Ratio	Lower	Upper
83	100		
85	60.3	51.5	77.3
127	8.0	5.7	8.5



Instrument :
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ClientSampleId :
VSTDCCC050EC

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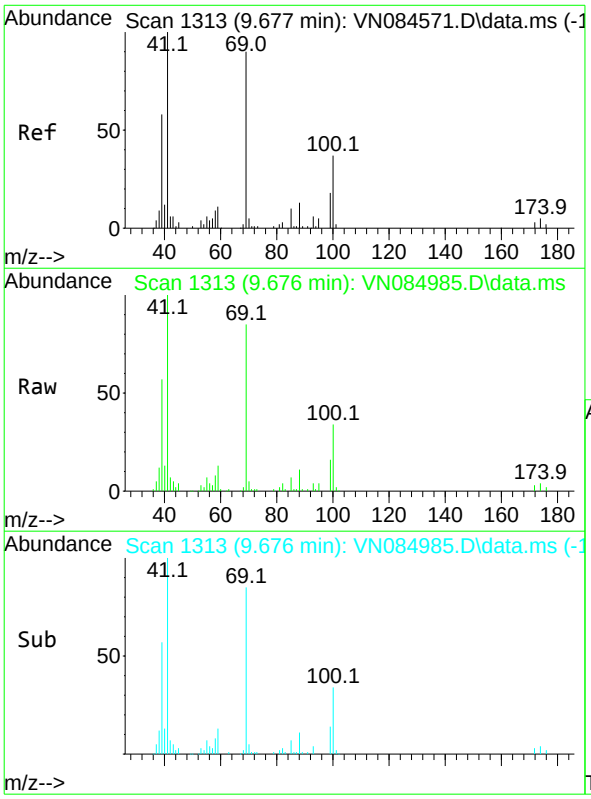
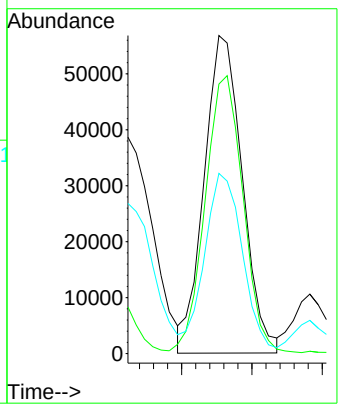
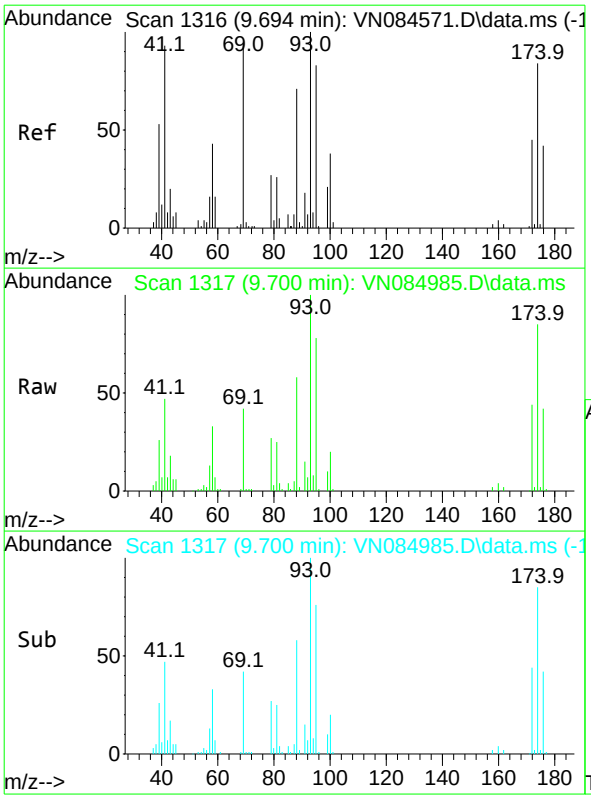


#48
Methyl methacrylate
Concen: 64.200 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 41 Resp: 107261

Ion	Ratio	Lower	Upper
41	100		
69	86.2	67.1	100.7
39	56.9	45.8	68.6

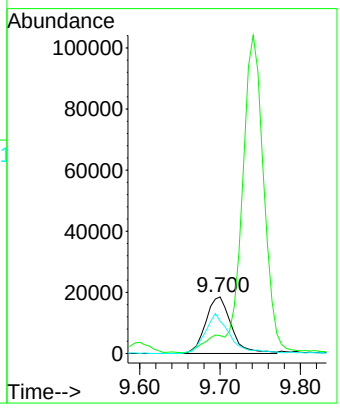




#49
1,4-Dioxane
Concen: 1379.814 ug/l
RT: 9.700 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 88 Resp: 40851

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	68.2	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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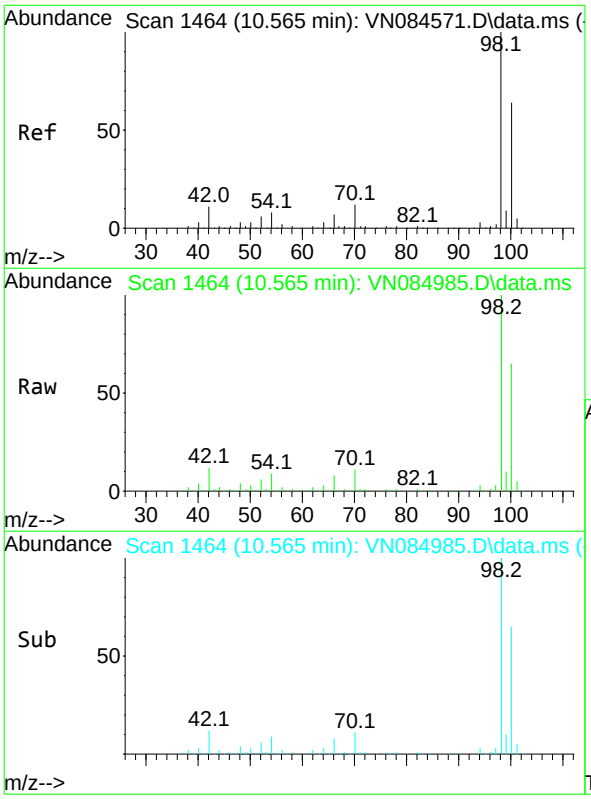
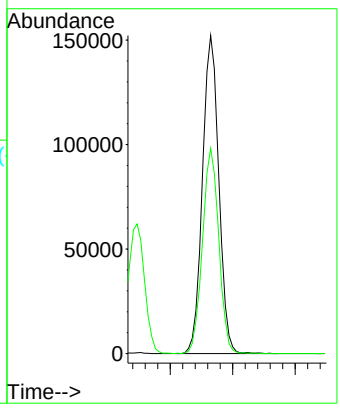
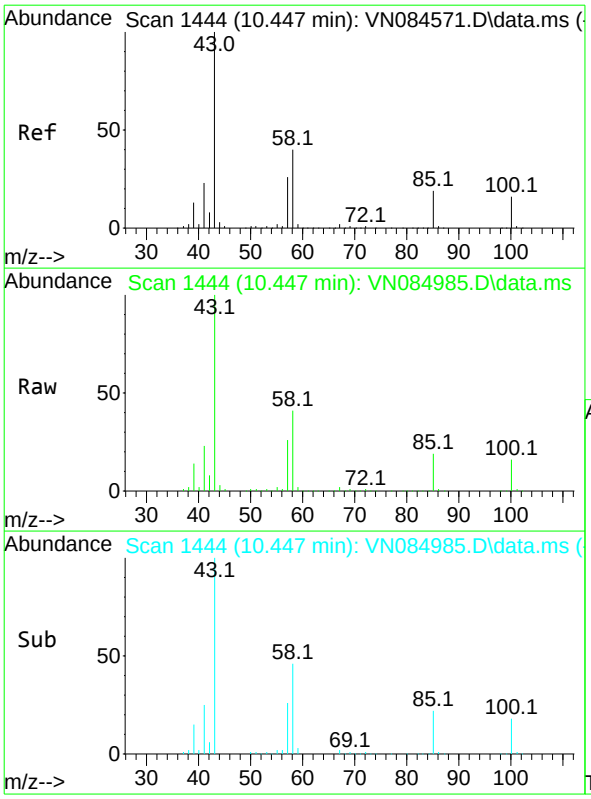


#50
Toluene-d8
Concen: 43.992 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 98 Resp: 276464

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.7	79.1

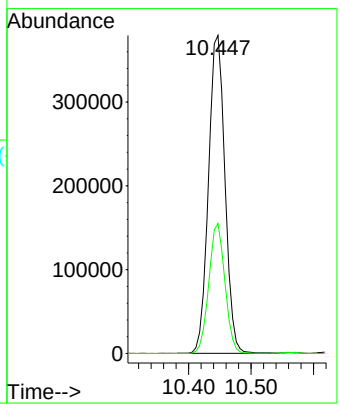




#51
4-Methyl-2-Pentanone
Concen: 338.851 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 43 Resp: 693441

Ion	Ratio	Lower	Upper
43	100		
58	40.0	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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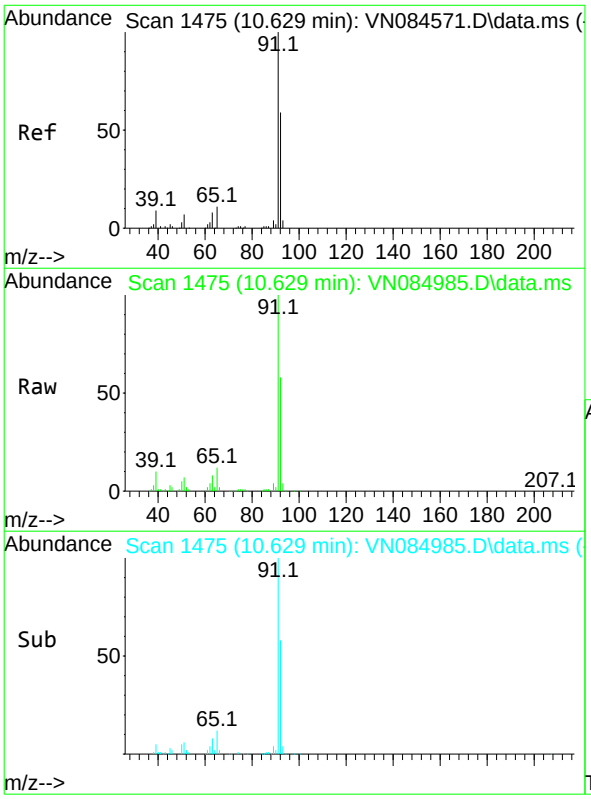
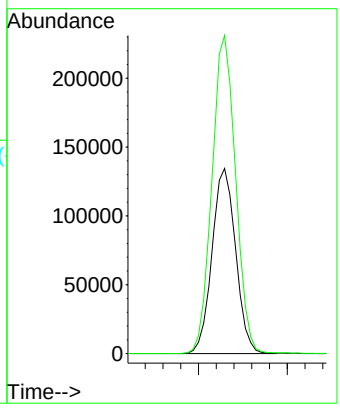
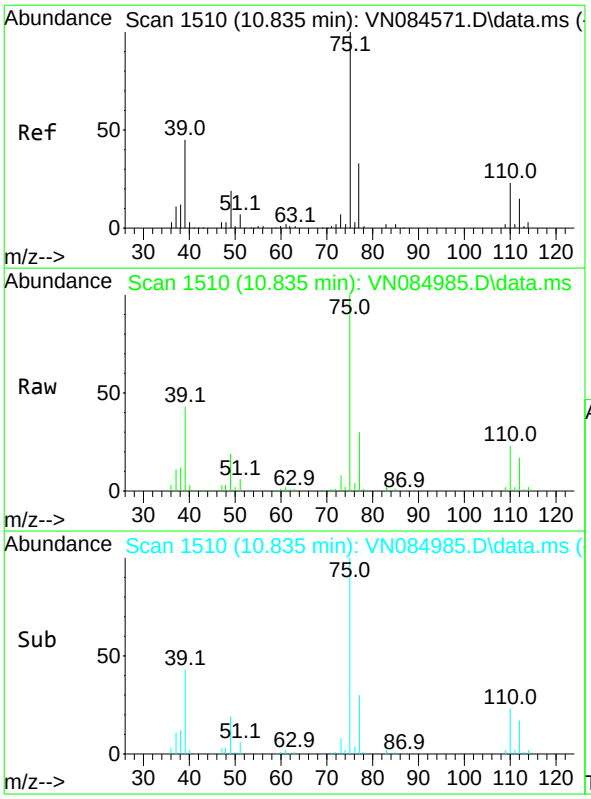


#52
Toluene
Concen: 55.875 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 92 Resp: 248305

Ion	Ratio	Lower	Upper
92	100		
91	172.5	137.3	205.9

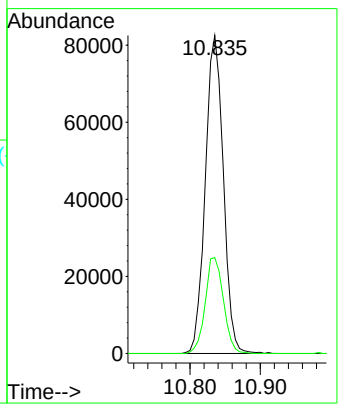




#53
t-1,3-Dichloropropene
Concen: 53.518 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 75 Resp: 146872

Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
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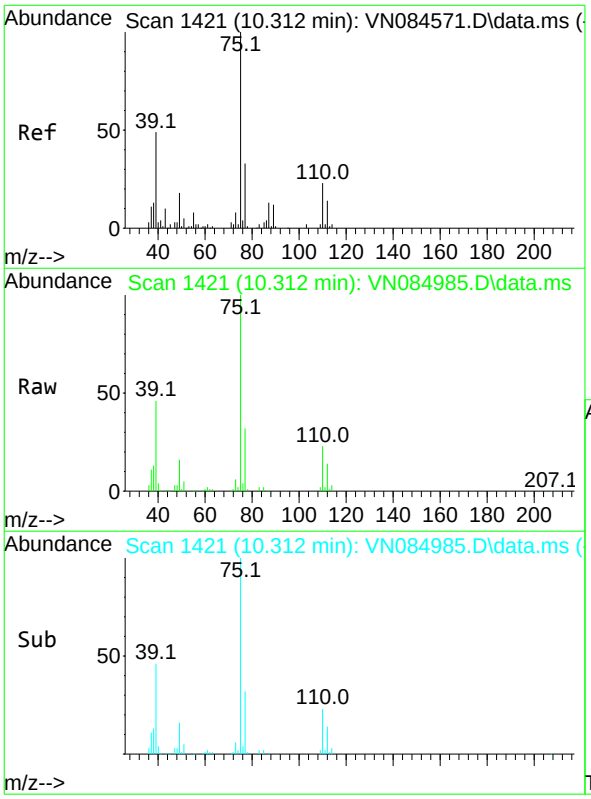
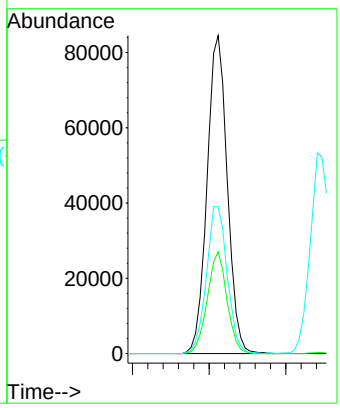
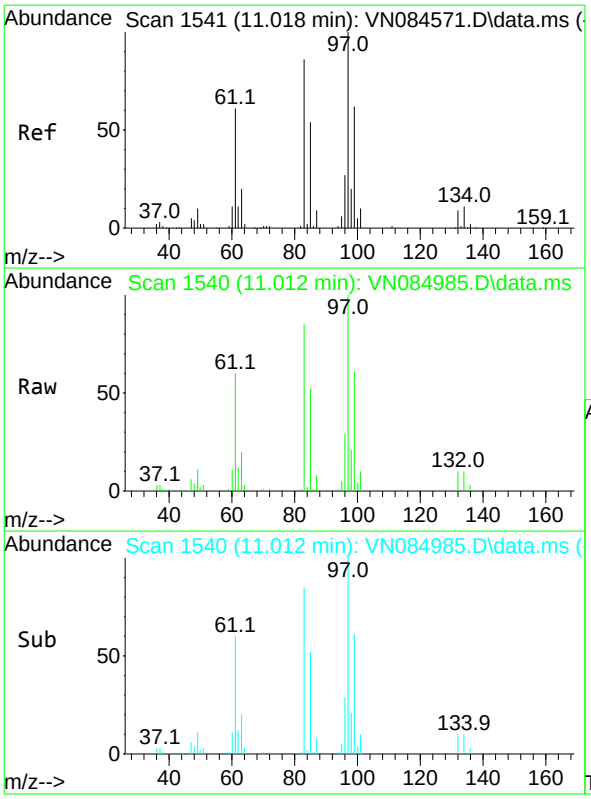


#54
cis-1,3-Dichloropropene
Concen: 53.254 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 75 Resp: 154682

Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.2	36.2
39	46.2	38.7	58.1

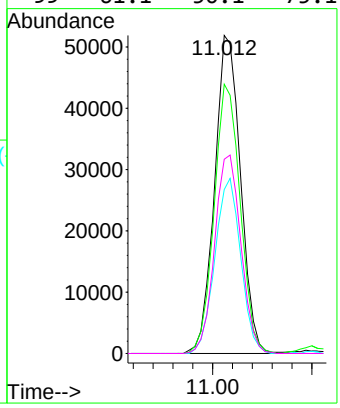




#55
1,1,2-Trichloroethane
Concen: 56.186 ug/l
RT: 11.012 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 97 Resp: 94055

Ion	Ratio	Lower	Upper
97	100		
83	84.7	71.0	106.4
85	51.5	41.7	62.5
99	61.1	50.1	75.1



Instrument :
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ClientSampleId :
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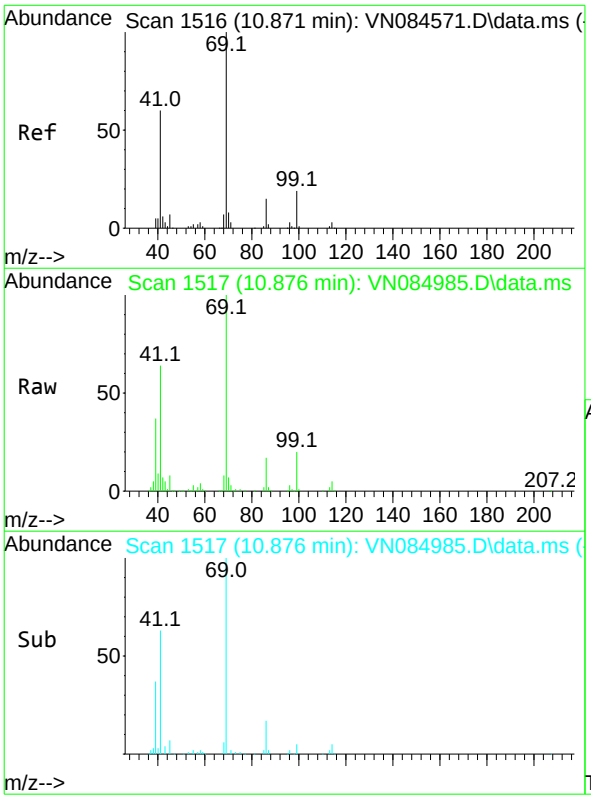
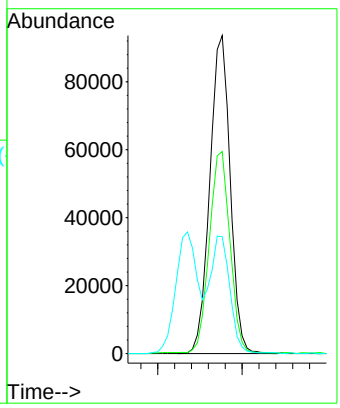
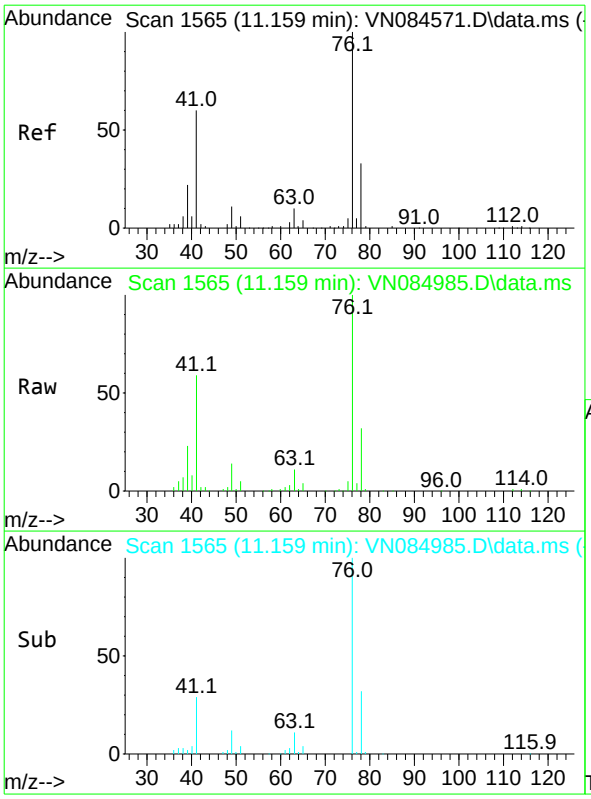


#56
Ethyl methacrylate
Concen: 64.783 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 69 Resp: 156862

Ion	Ratio	Lower	Upper
69	100		
41	64.2	53.3	79.9
39	35.9	28.8	43.2

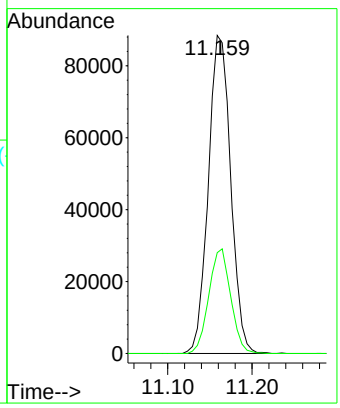




#57
1,3-Dichloropropane
Concen: 56.748 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 76 Resp: 163035

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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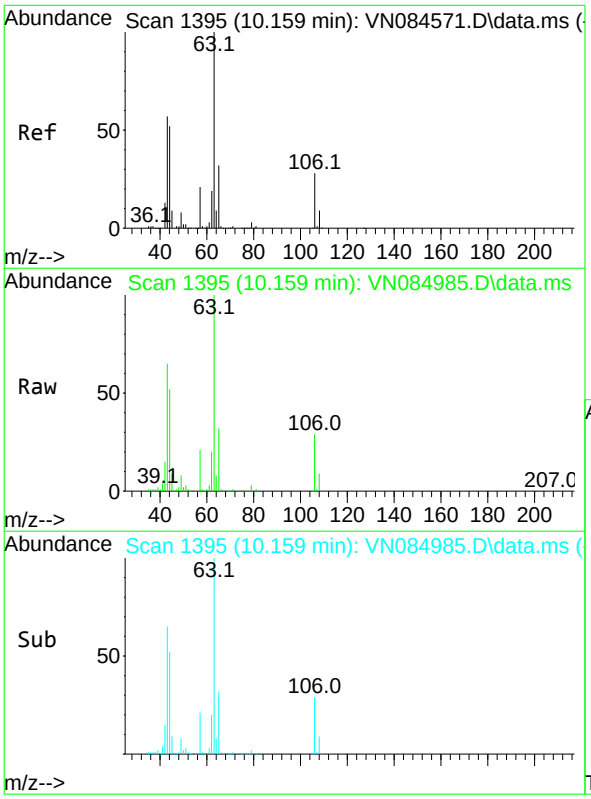
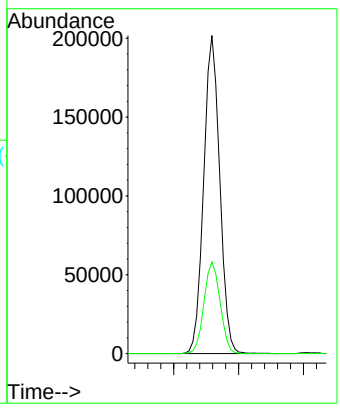
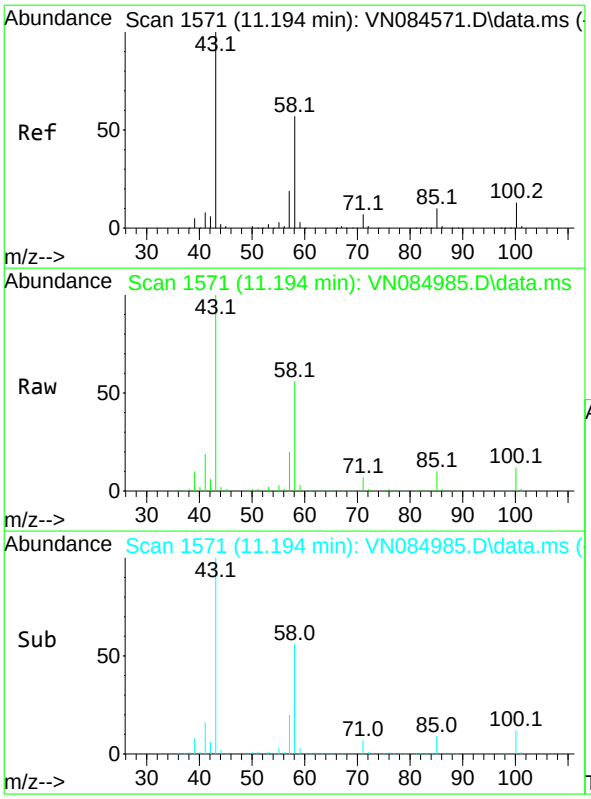


#58
2-Chloroethyl Vinyl ether
Concen: 305.819 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 63 Resp: 346503

Ion	Ratio	Lower	Upper
63	100		
106	29.0	21.8	32.6

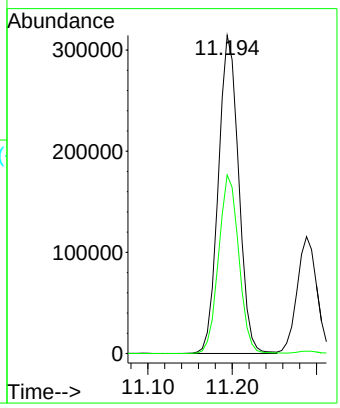




#59
2-Hexanone
Concen: 353.146 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 43 Resp: 526039

Ion	Ratio	Lower	Upper
43	100		
58	55.8	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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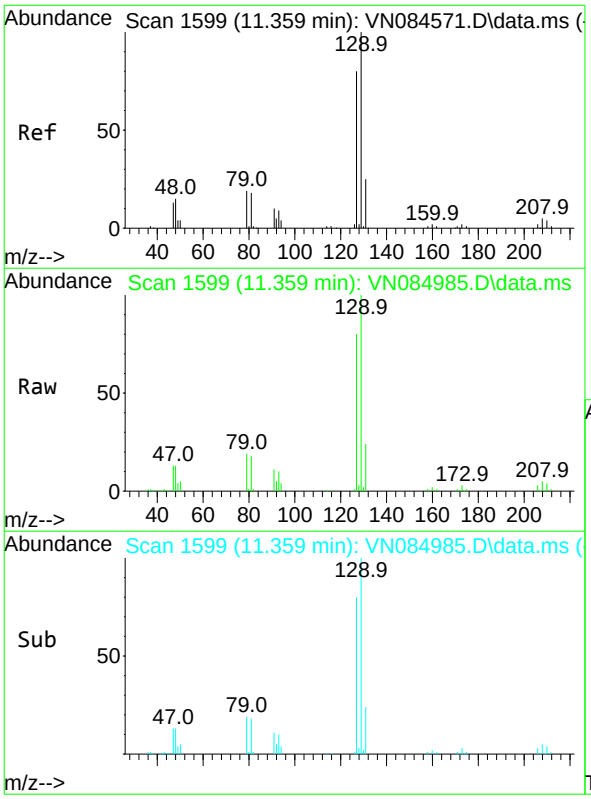
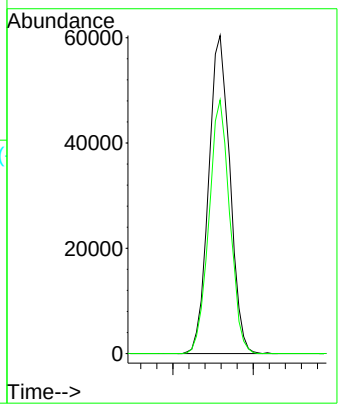
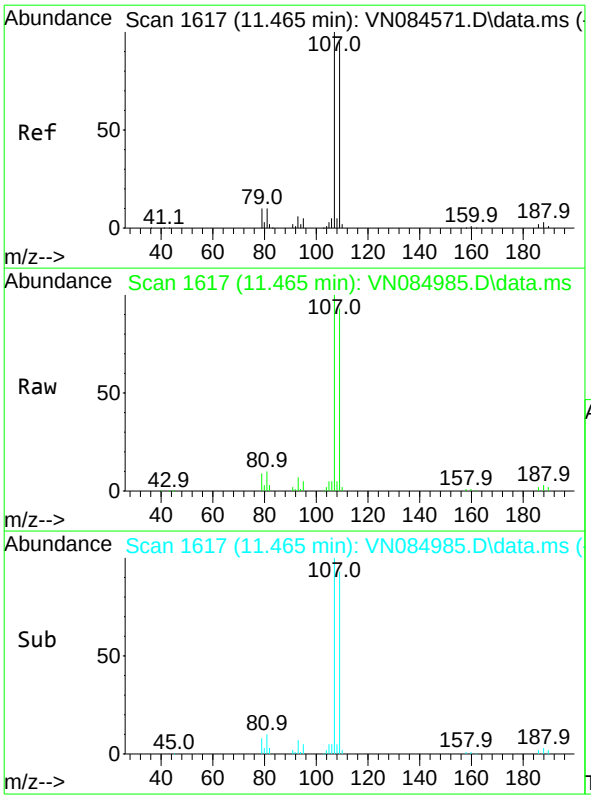


#60
Dibromochloromethane
Concen: 58.280 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:129 Resp: 111190

Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.3	114.9

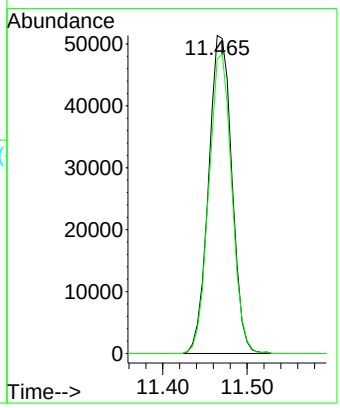




#61
1,2-Dibromoethane
Concen: 57.479 ug/l
RT: 11.465 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:107 Resp: 98532

Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.4	113.0



Instrument :
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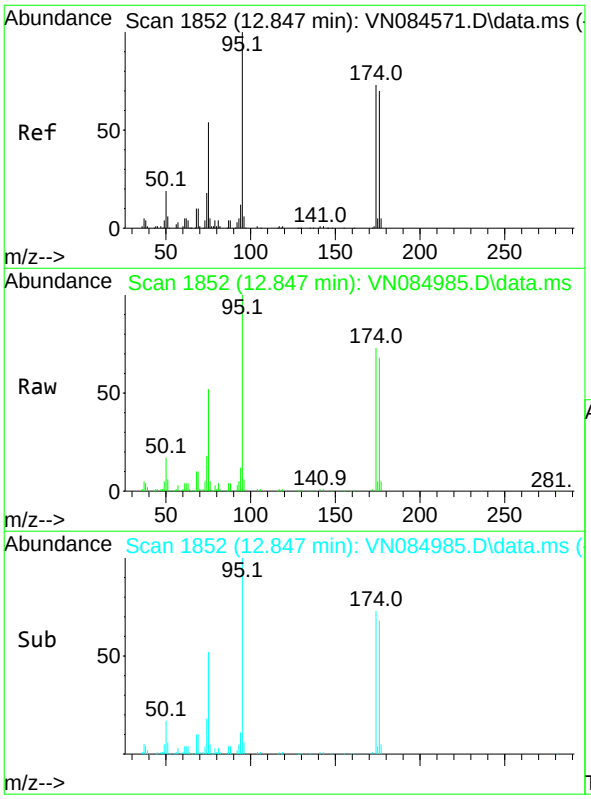
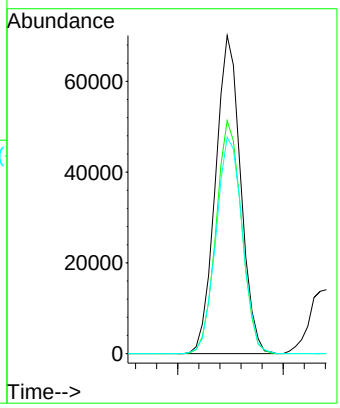
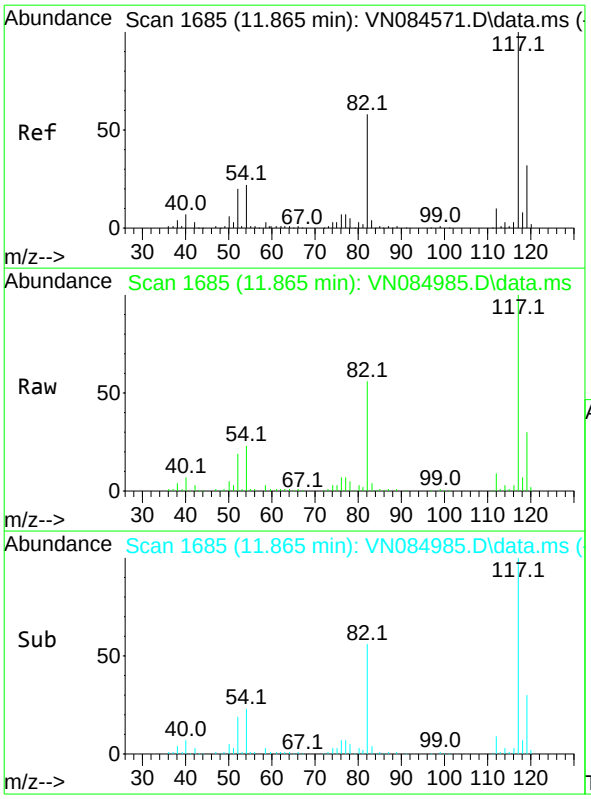


#62
4-Bromofluorobenzene
Concen: 49.505 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 95 Resp: 116272

Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	145.2
176	71.3	0.0	140.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:117 Resp: 231642

Ion	Ratio	Lower	Upper
117	100		
82	56.5	47.2	70.8
119	30.5	25.4	38.0

Instrument :
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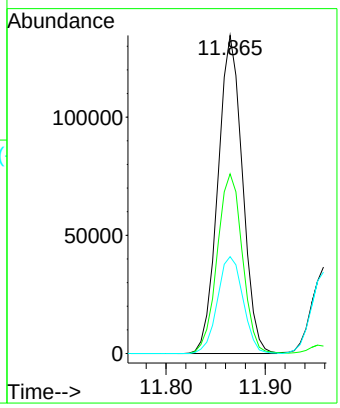
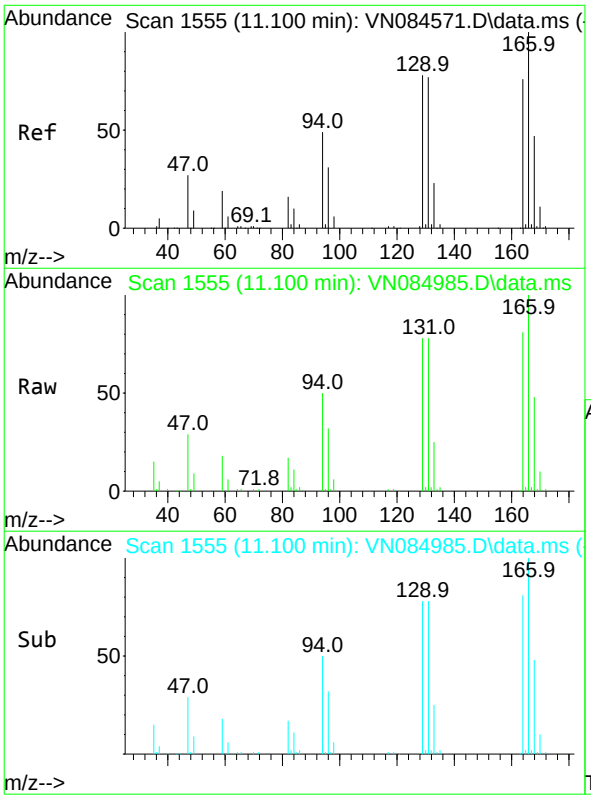
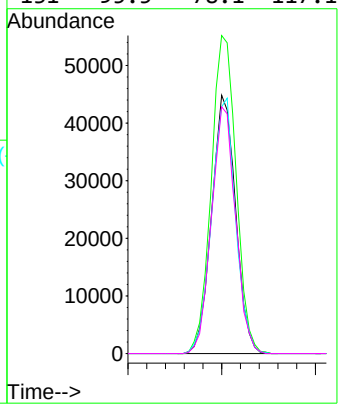


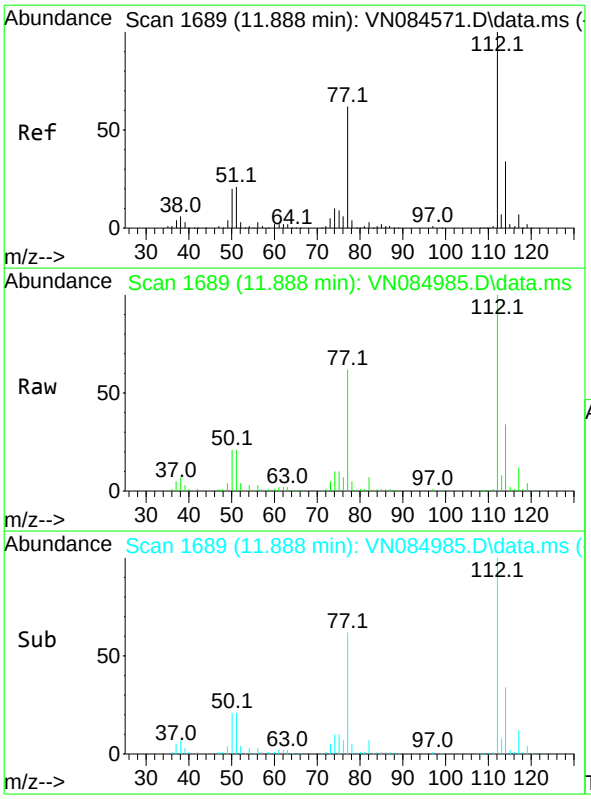


#64
Tetrachloroethene
Concen: 51.679 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:164 Resp: 79627

Ion	Ratio	Lower	Upper
164	100		
166	123.1	101.0	151.4
129	95.5	80.8	121.2
131	95.5	78.1	117.1

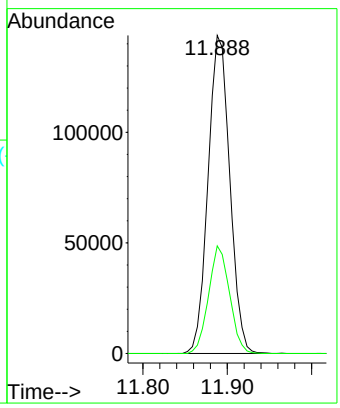




#65
Chlorobenzene
Concen: 49.651 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:112 Resp: 257302

Ion	Ratio	Lower	Upper
112	100		
114	33.8	27.0	40.6



Instrument :
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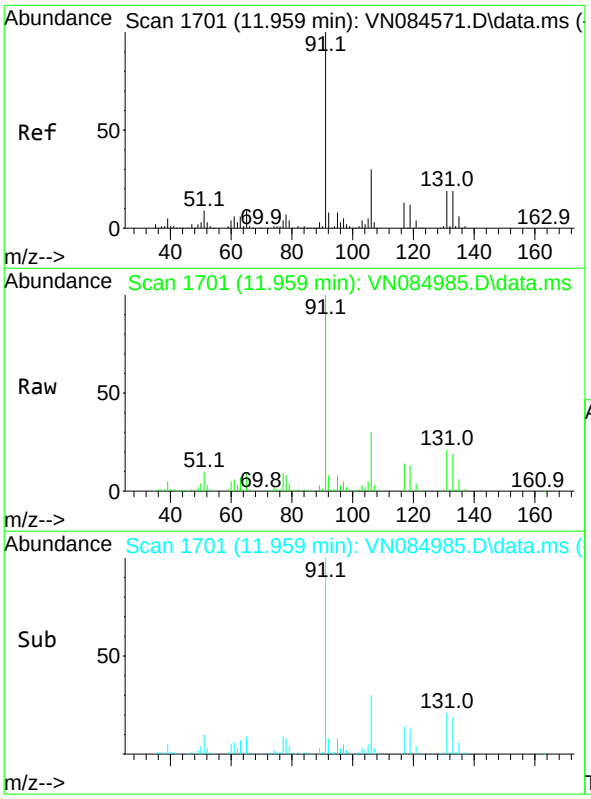
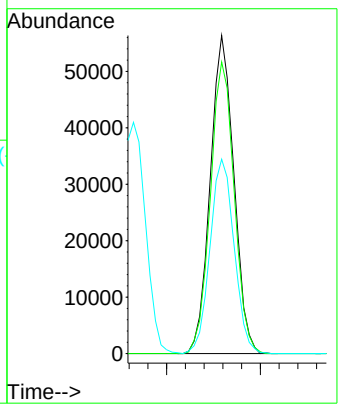
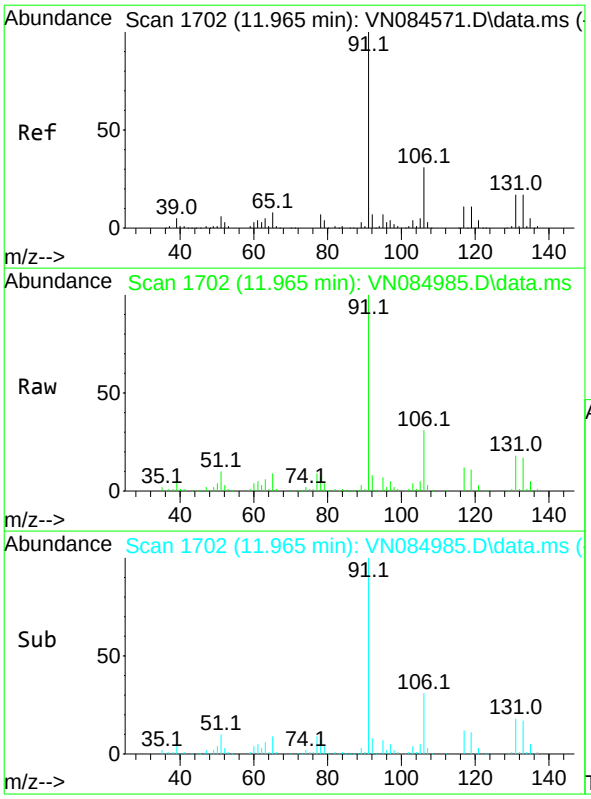


#66
1,1,1,2-Tetrachloroethane
Concen: 54.683 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:131 Resp: 98568

Ion	Ratio	Lower	Upper
131	100		
133	92.5	47.9	143.7
119	62.4	32.8	98.3

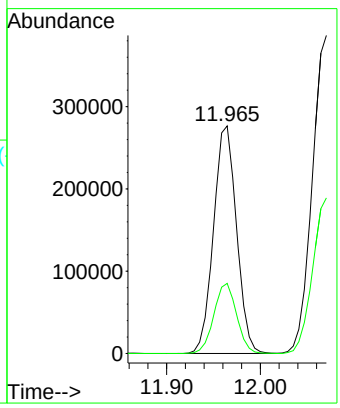




#67
Ethyl Benzene
Concen: 54.512 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 91 Resp: 471549

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
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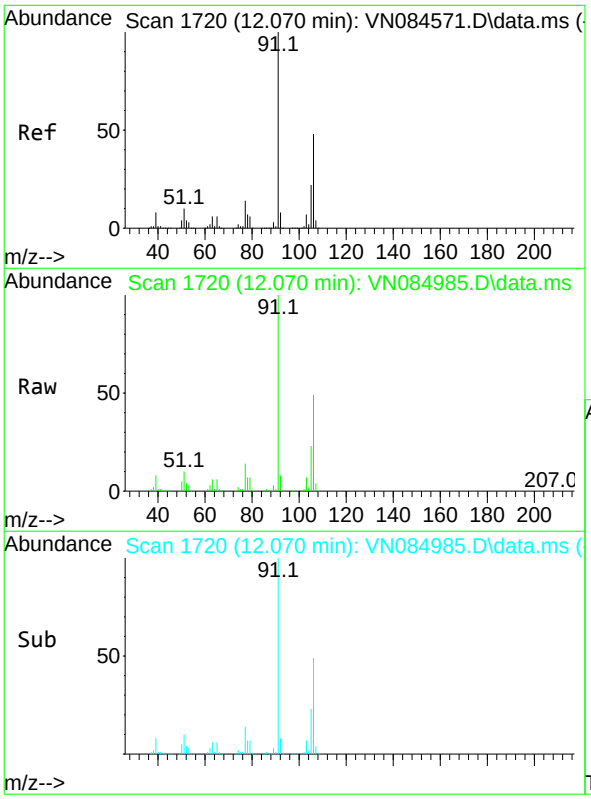
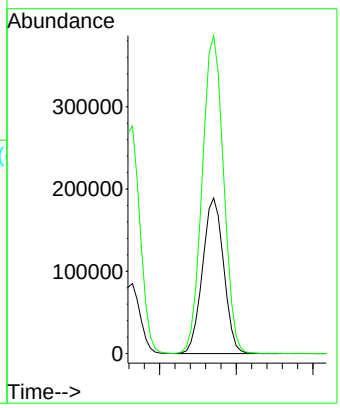
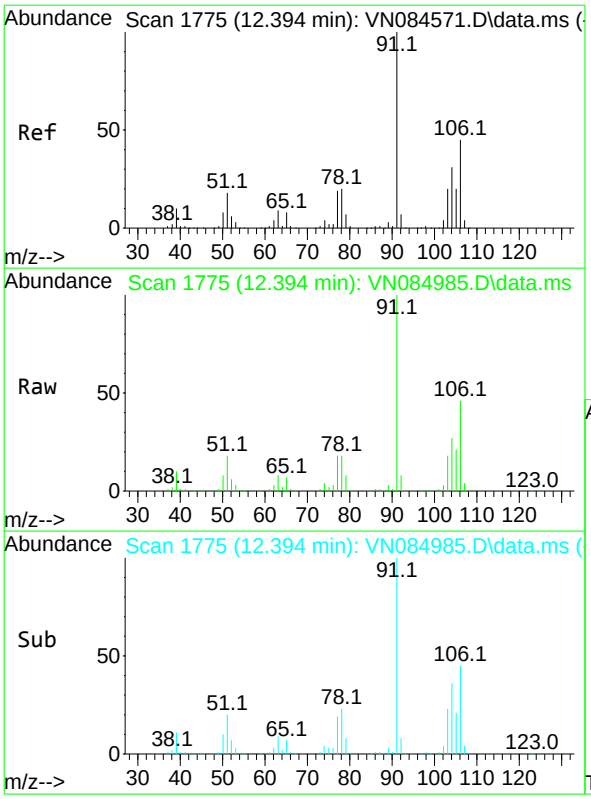


#68
m/p-Xylenes
Concen: 110.569 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:106 Resp: 362101

Ion	Ratio	Lower	Upper
106	100		
91	206.5	167.1	250.7

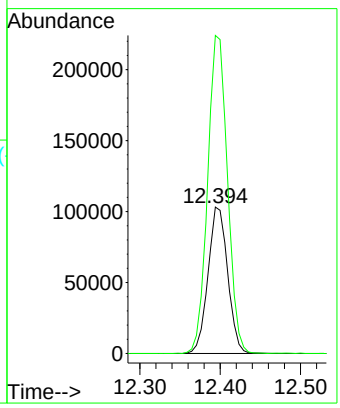




#69
o-Xylene
Concen: 57.226 ug/l
RT: 12.394 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:106 Resp: 175316

Ion	Ratio	Lower	Upper
106	100		
91	219.1	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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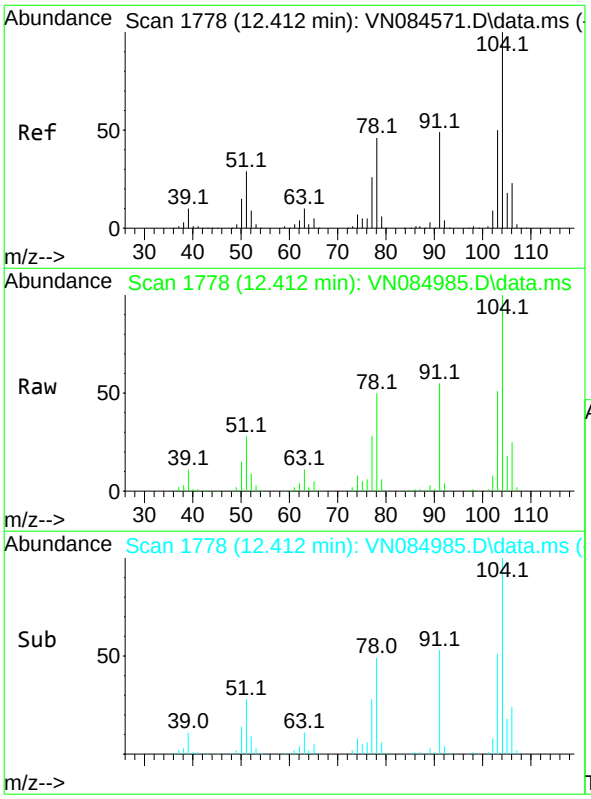
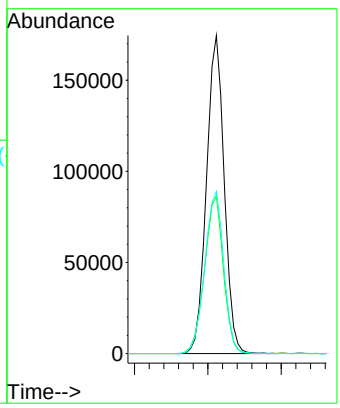
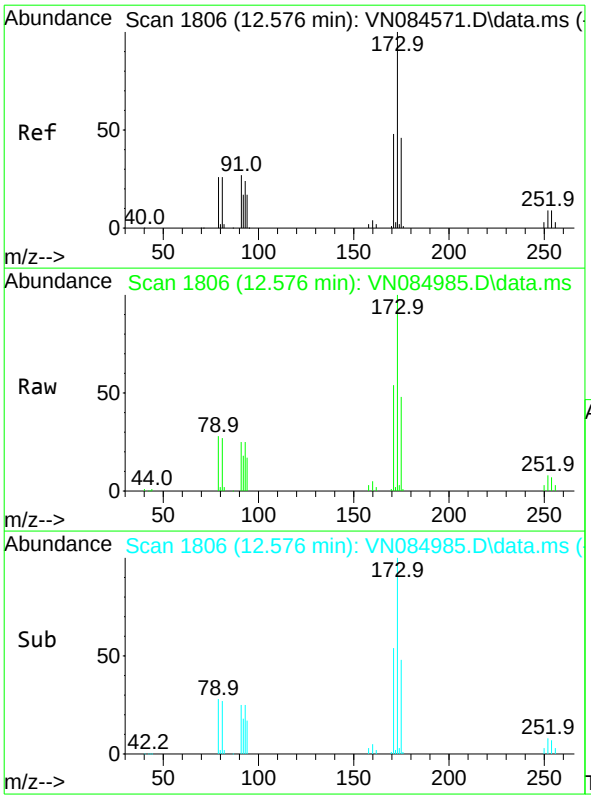


#70
Styrene
Concen: 54.824 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:104 Resp: 292993

Ion	Ratio	Lower	Upper
104	100		
78	52.6	42.7	64.1
103	54.7	43.6	65.4

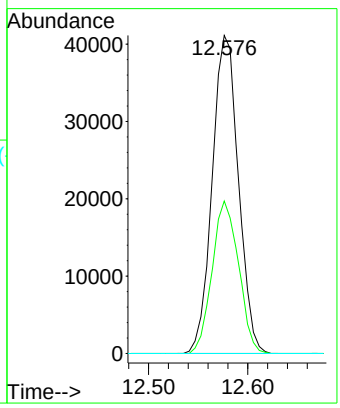




#71
Bromoform
Concen: 55.658 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:173 Resp: 75493

Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.5	70.6
254	0.0	0.0	0.0



Instrument :
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ClientSampleId :
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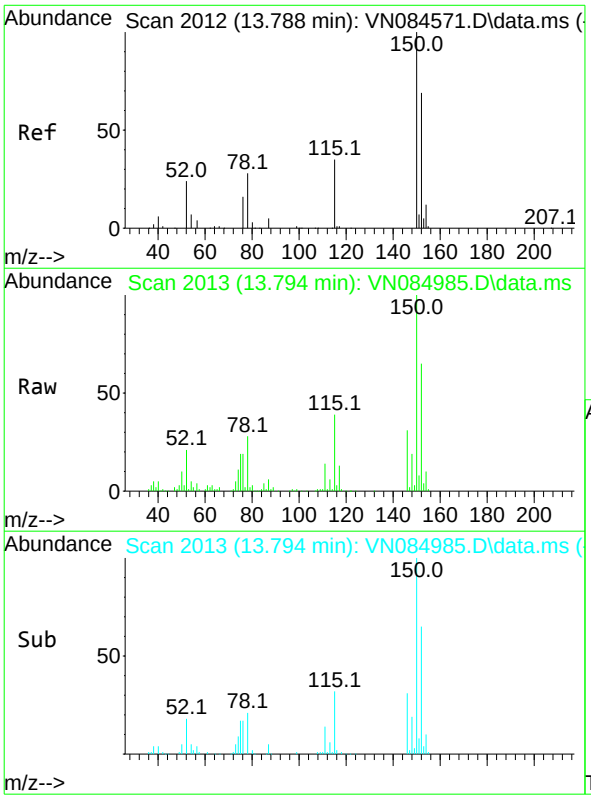
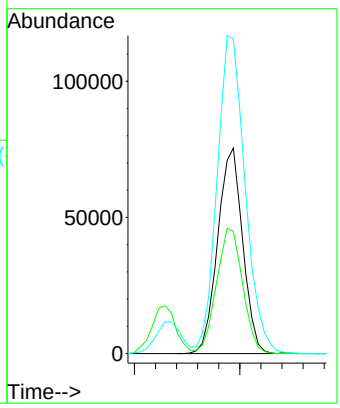
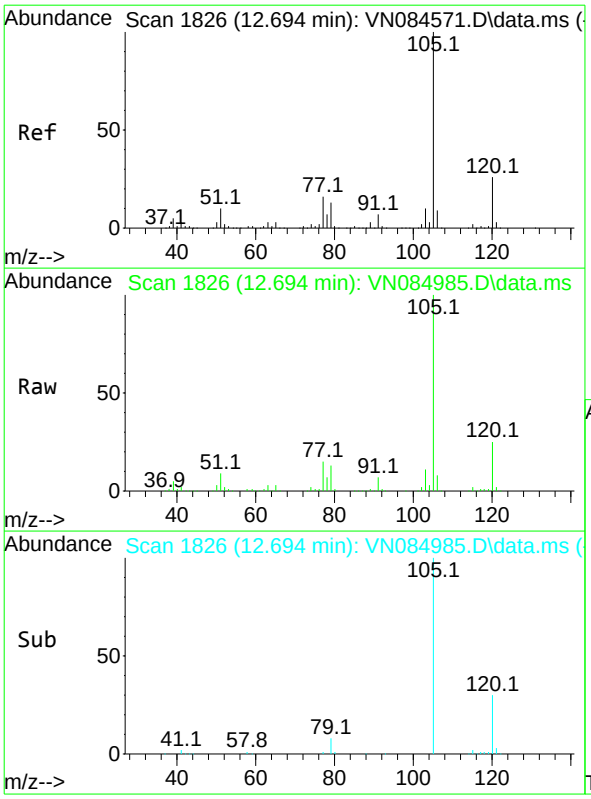


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:152 Resp: 124177

Ion	Ratio	Lower	Upper
152	100		
115	63.6	31.3	93.9
150	173.9	0.0	349.8

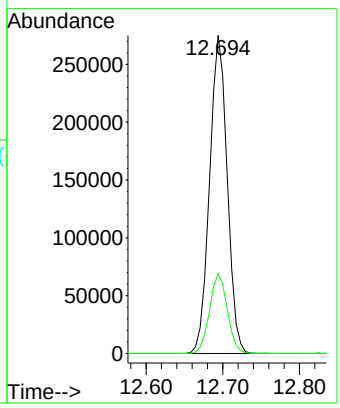




#73
Isopropylbenzene
Concen: 50.388 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:105 Resp: 438473

Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
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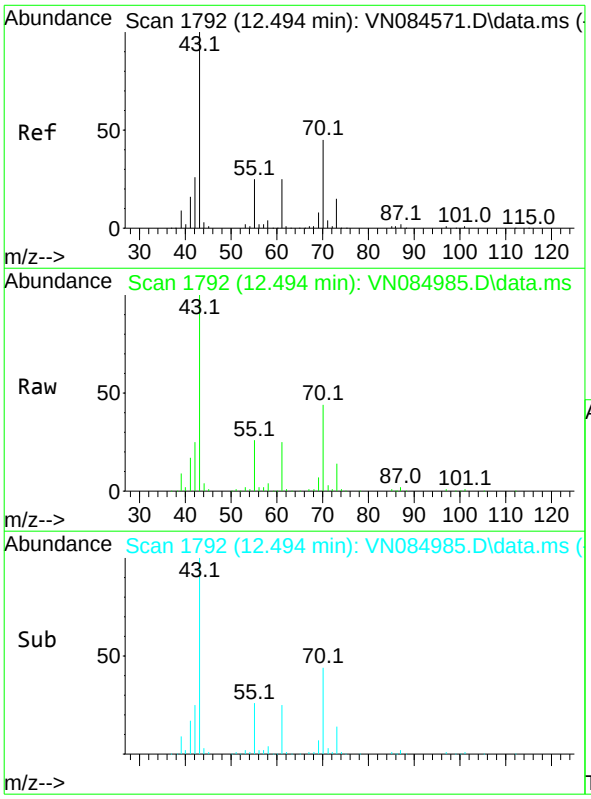
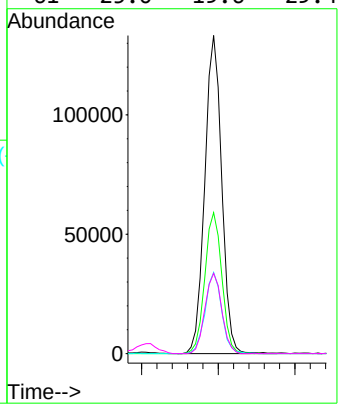
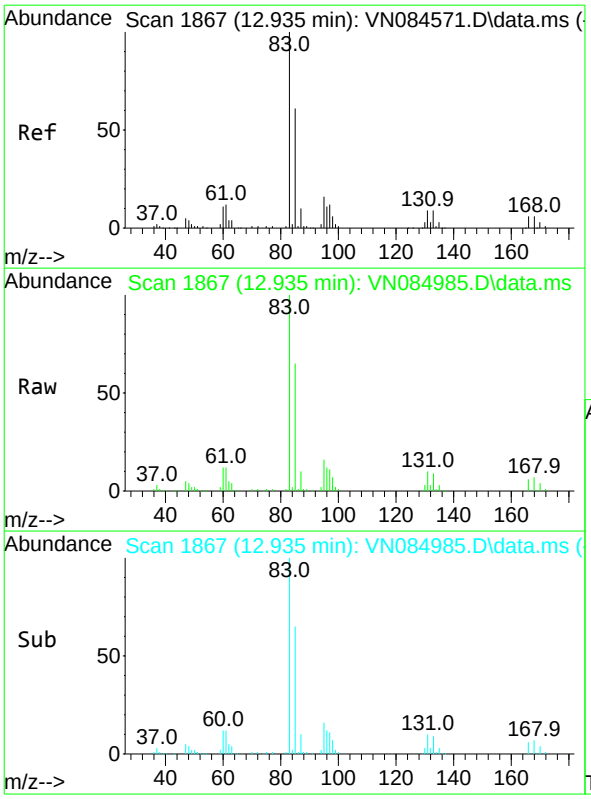


#74
N-amyl acetate
Concen: 55.151 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 43 Resp: 204266

Ion	Ratio	Lower	Upper
43	100		
70	44.4	34.4	51.6
55	25.0	19.6	29.4
61	25.0	19.6	29.4





#75
1,1,2,2-Tetrachloroethane
Concen: 49.820 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 83 Resp: 144707

Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.7
85	65.0	31.9	95.7

Instrument :
MSVOA_N
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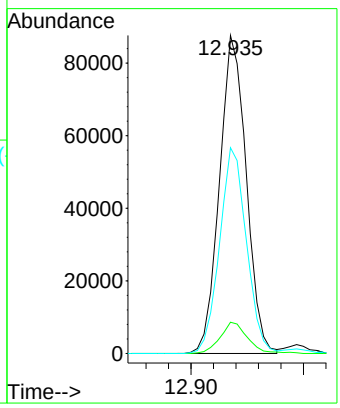
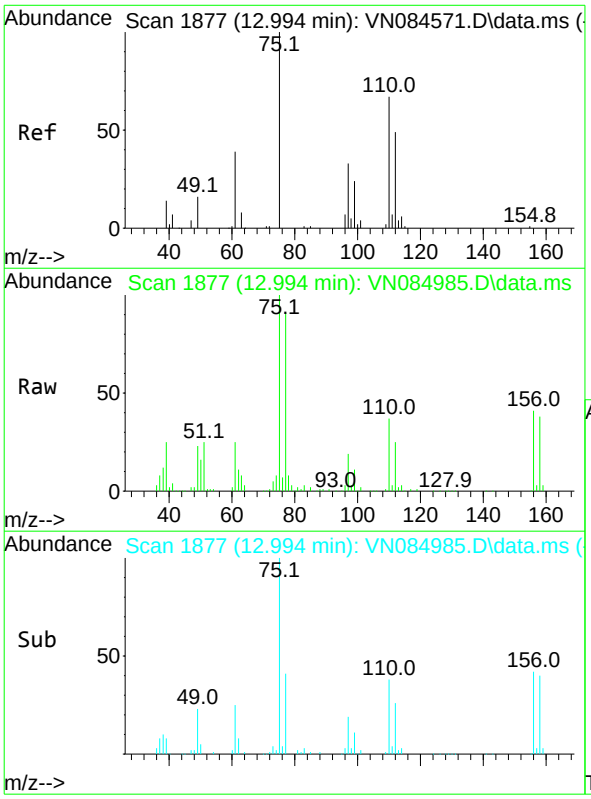
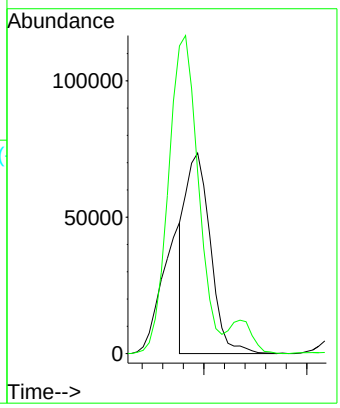


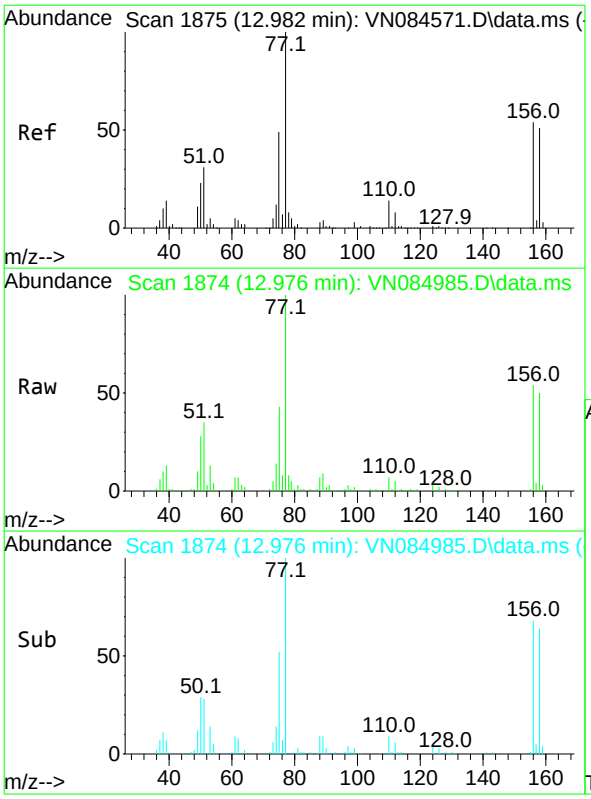


#76
1,2,3-Trichloropropane
Concen: 49.929 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 75 Resp: 123936

Ion	Ratio	Lower	Upper
75	100		
77	189.8	96.9	290.7

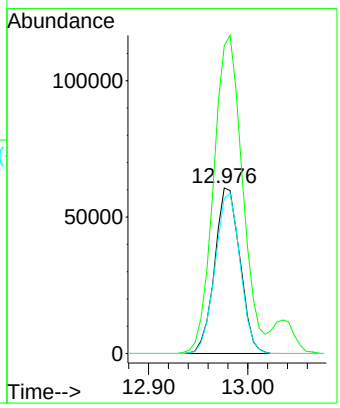




#77
Bromobenzene
Concen: 45.892 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:156 Resp: 107358

Ion	Ratio	Lower	Upper
156	100		
77	219.1	115.1	345.3
158	96.1	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
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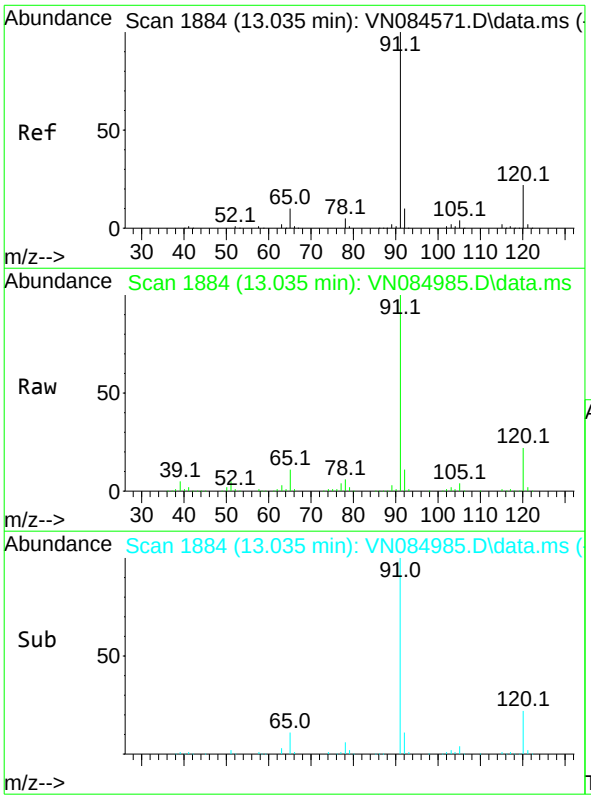
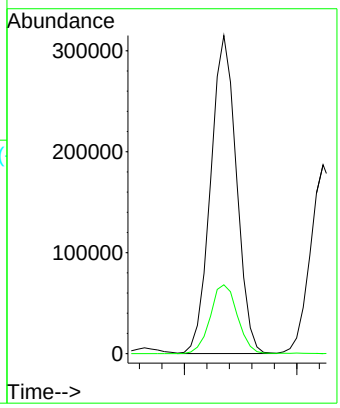
Supervised By :Mahesh Dadoda 11/21/2024

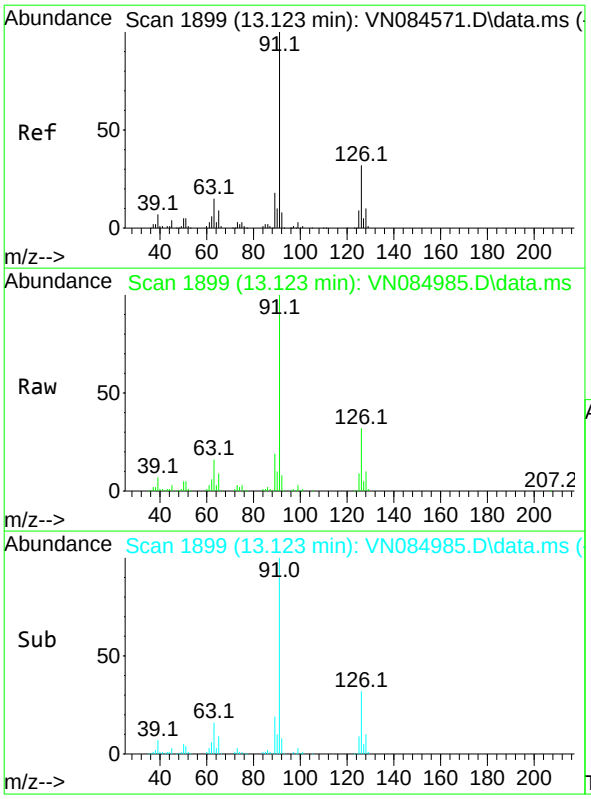


#78
n-propylbenzene
Concen: 49.246 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 91 Resp: 502175

Ion	Ratio	Lower	Upper
91	100		
120	22.7	10.8	32.4

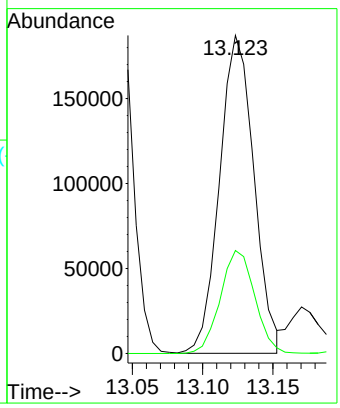




#79
2-Chlorotoluene
Concen: 47.815 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 91 Resp: 318593

Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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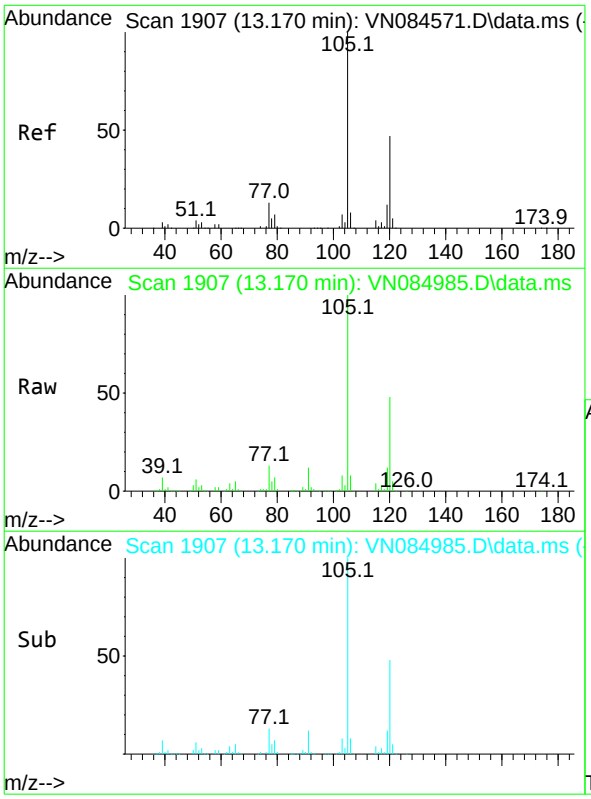
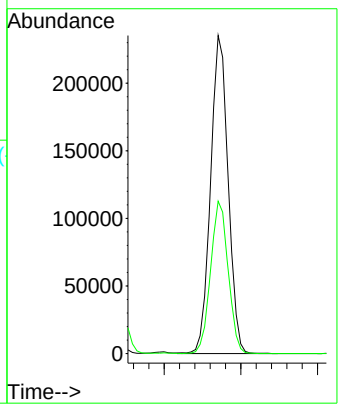
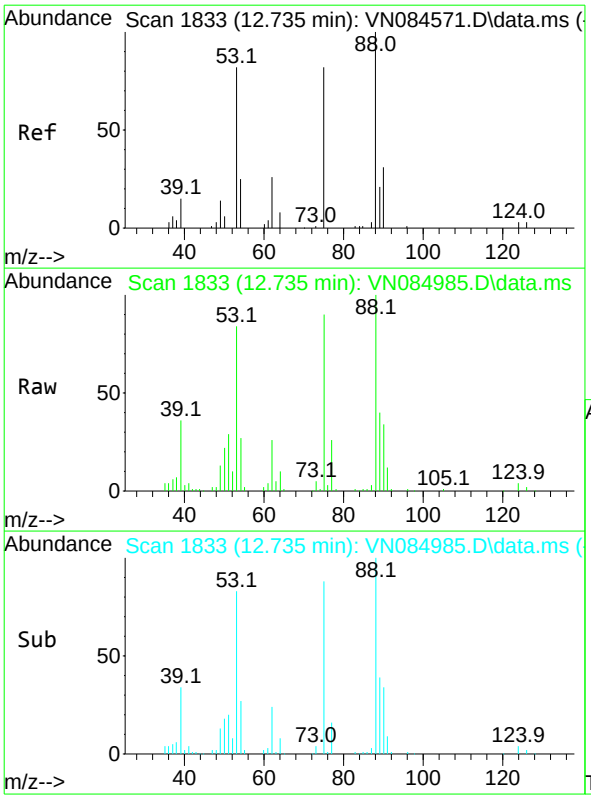


#80
1,3,5-Trimethylbenzene
Concen: 51.774 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:105 Resp: 373416

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.7	71.1

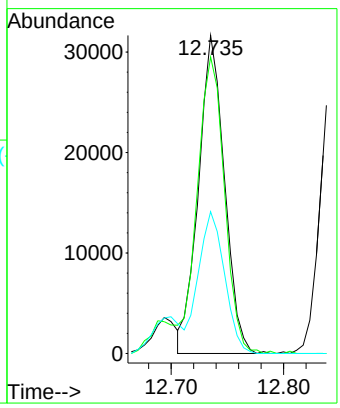




#81
trans-1,4-Dichloro-2-butene
Concen: 48.647 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 75 Resp: 50899

Ion	Ratio	Lower	Upper
75	100		
53	96.9	78.0	117.0
89	44.6	35.5	53.3



Instrument :
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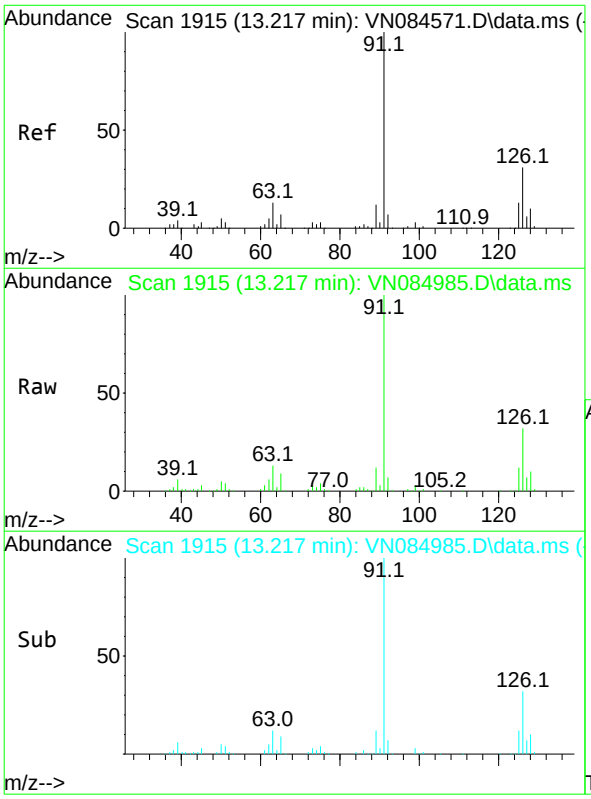
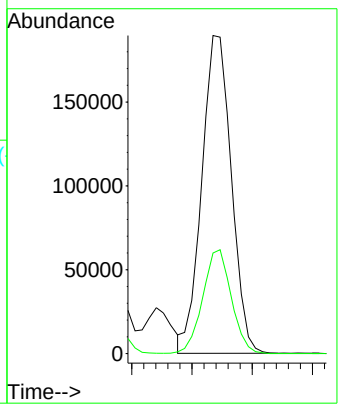
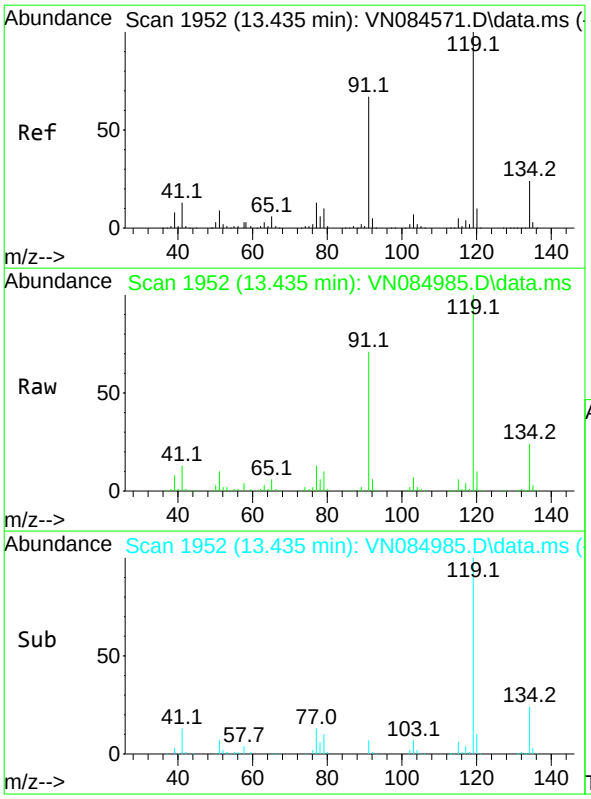


#82
4-Chlorotoluene
Concen: 46.045 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 91 Resp: 322876

Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.7	47.1

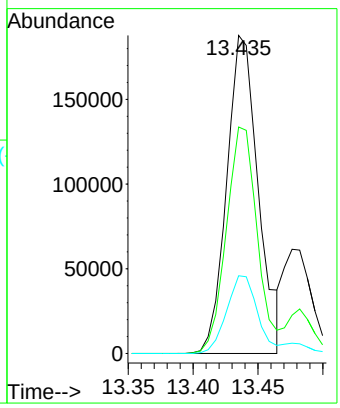




#83
tert-Butylbenzene
Concen: 53.345 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:119 Resp: 318423

Ion	Ratio	Lower	Upper
119	100		
91	69.4	34.1	102.3
134	24.4	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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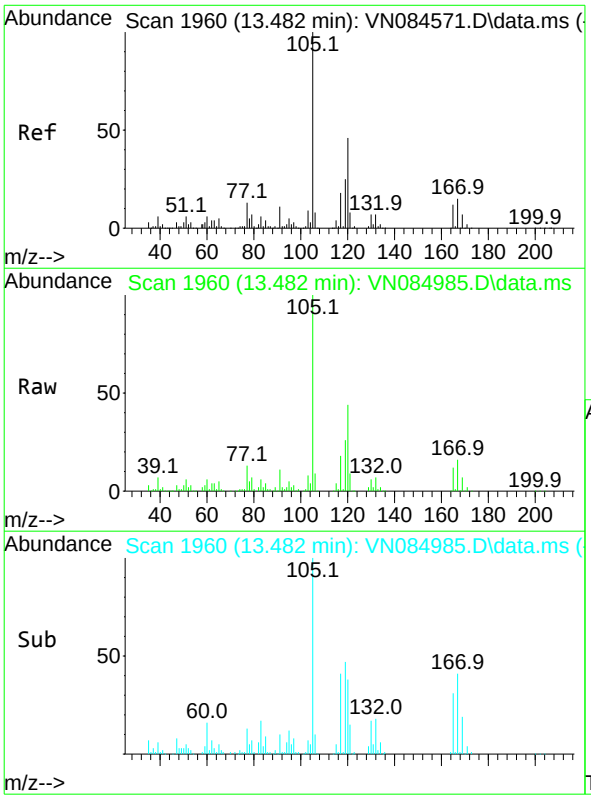
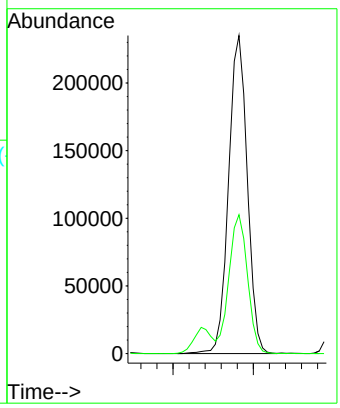
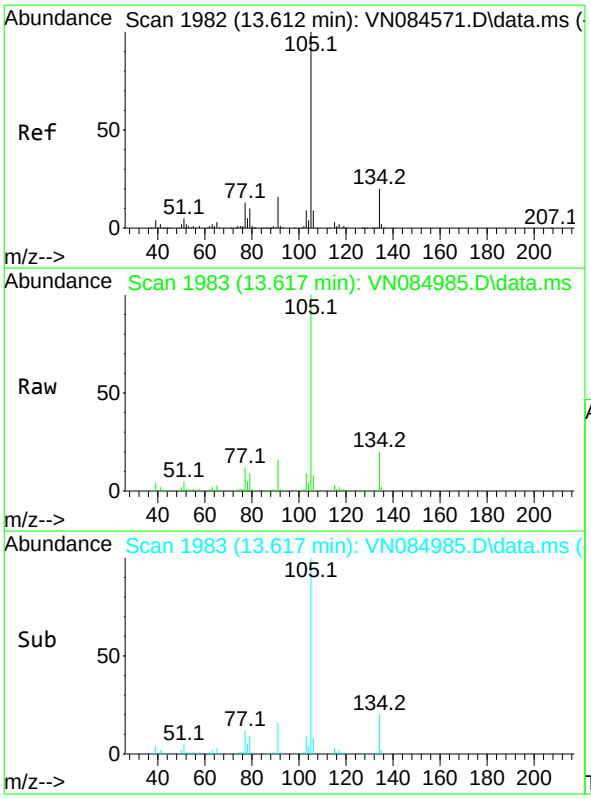


#84
1,2,4-Trimethylbenzene
Concen: 51.000 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:105 Resp: 379635

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.3	66.8

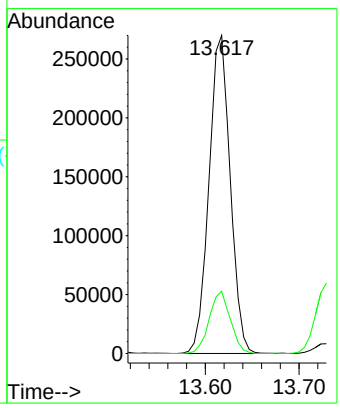




#85
sec-Butylbenzene
Concen: 50.431 ug/l
RT: 13.617 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:105 Resp: 425223

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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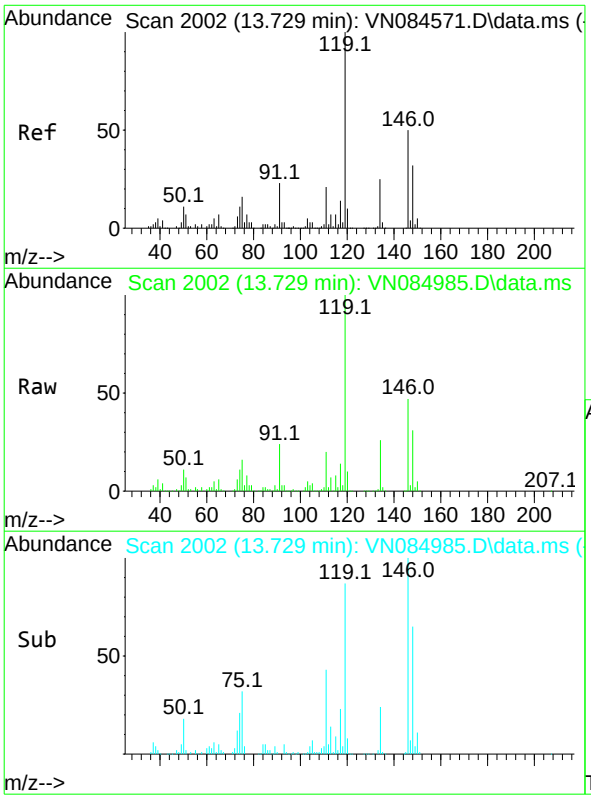
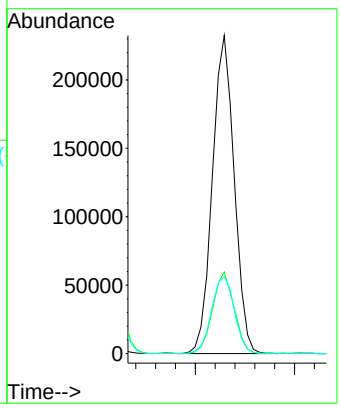
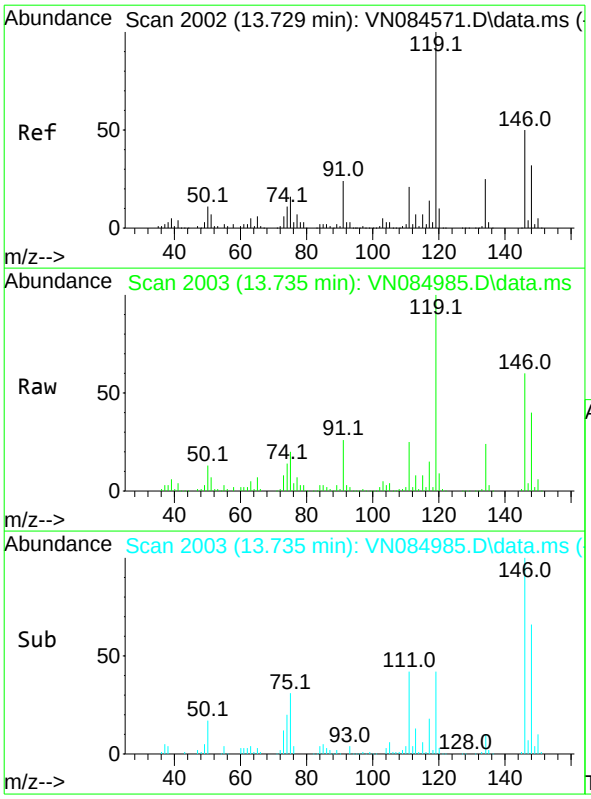


#86
p-Isopropyltoluene
Concen: 51.470 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:119 Resp: 355921

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.8
91	25.4	12.4	37.2

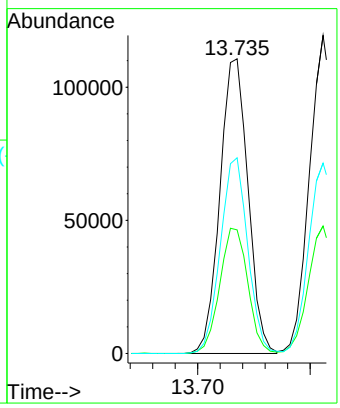




#87
1,3-Dichlorobenzene
Concen: 42.073 ug/l
RT: 13.735 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:146 Resp: 192082

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.8	65.3
148	64.9	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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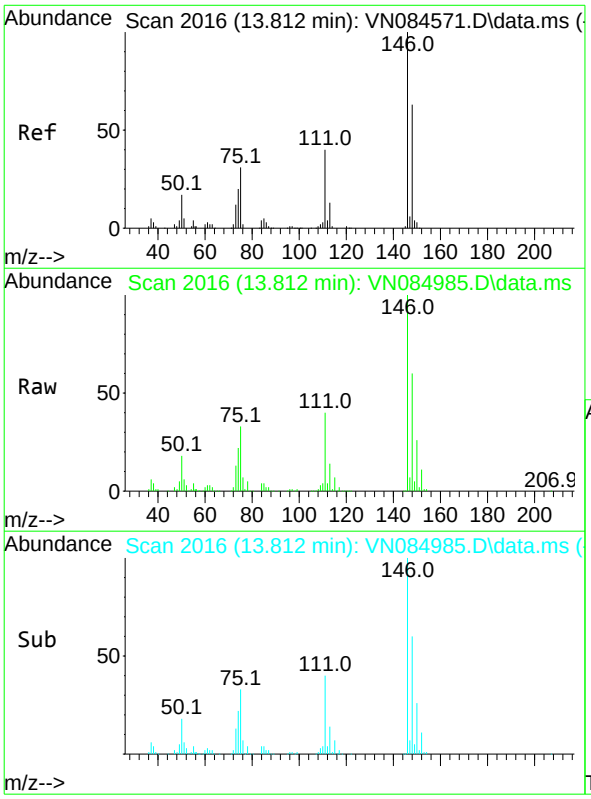
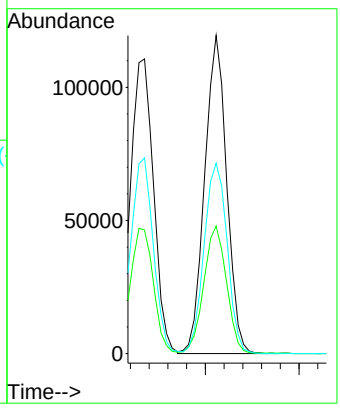
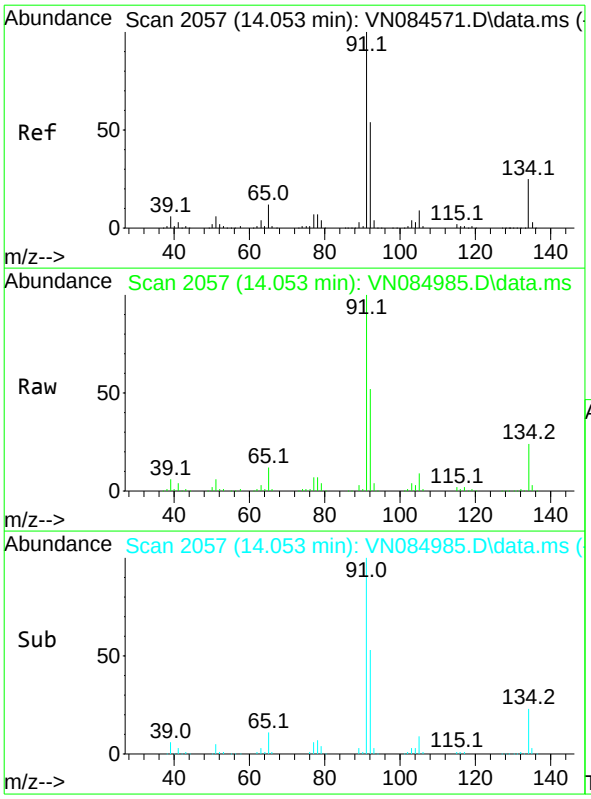


#88
1,4-Dichlorobenzene
Concen: 46.540 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:146 Resp: 195268

Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.2	63.6
148	62.8	31.9	95.9

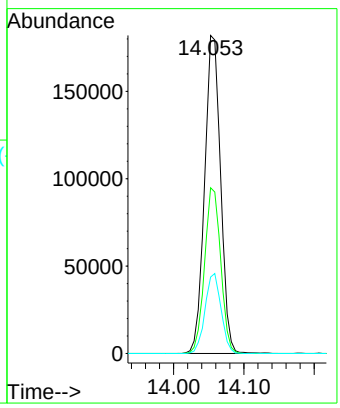




#89
n-Butylbenzene
Concen: 44.452 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 91 Resp: 287540

Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.6	79.7
134	25.1	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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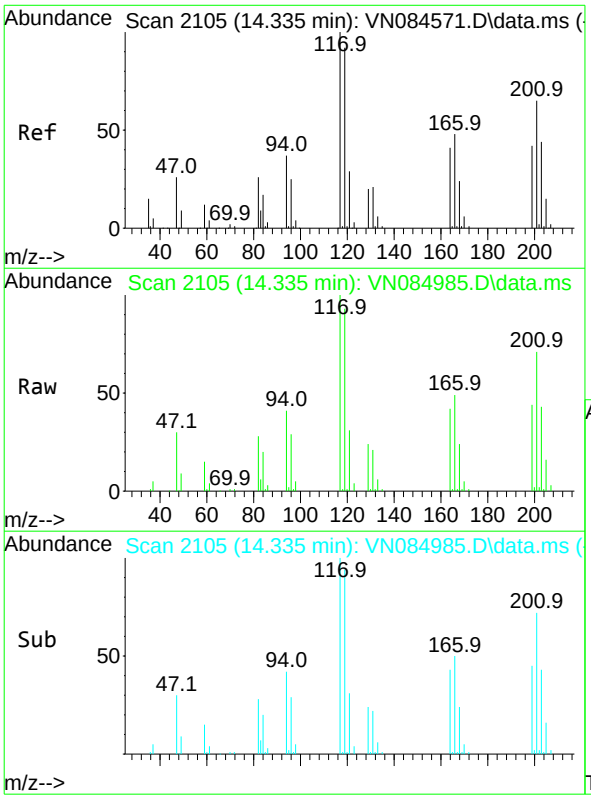
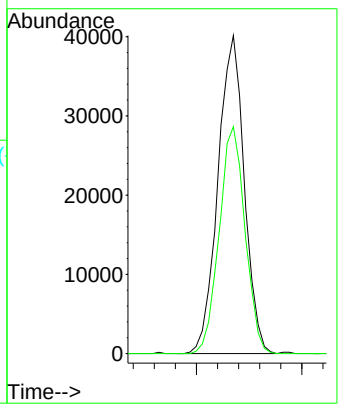
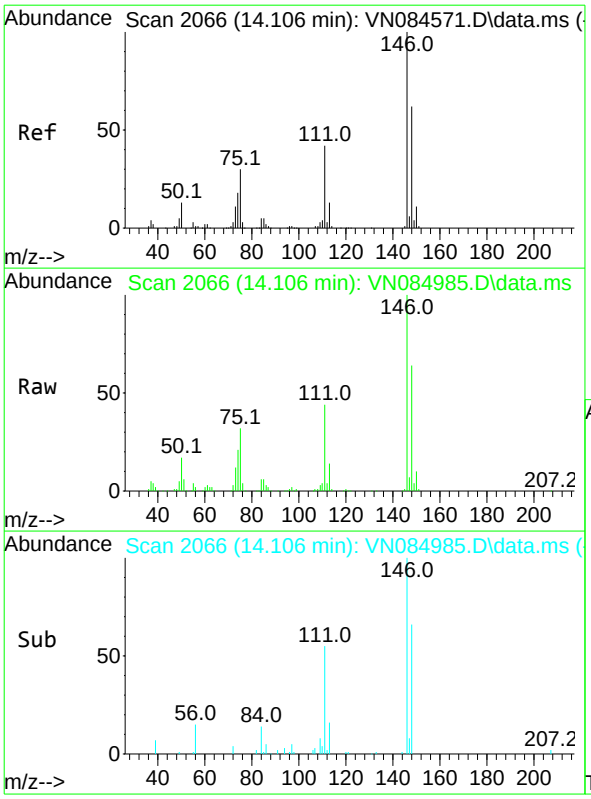


#90
Hexachloroethane
Concen: 45.133 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:117 Resp: 69601

Ion	Ratio	Lower	Upper
117	100		
201	69.9	34.4	103.2

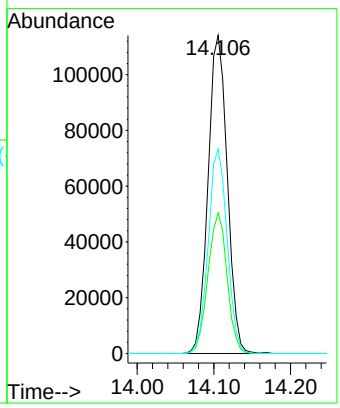




#91
1,2-Dichlorobenzene
Concen: 45.267 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:146 Resp: 198590

Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.0	66.0
148	63.3	32.1	96.3



Instrument :
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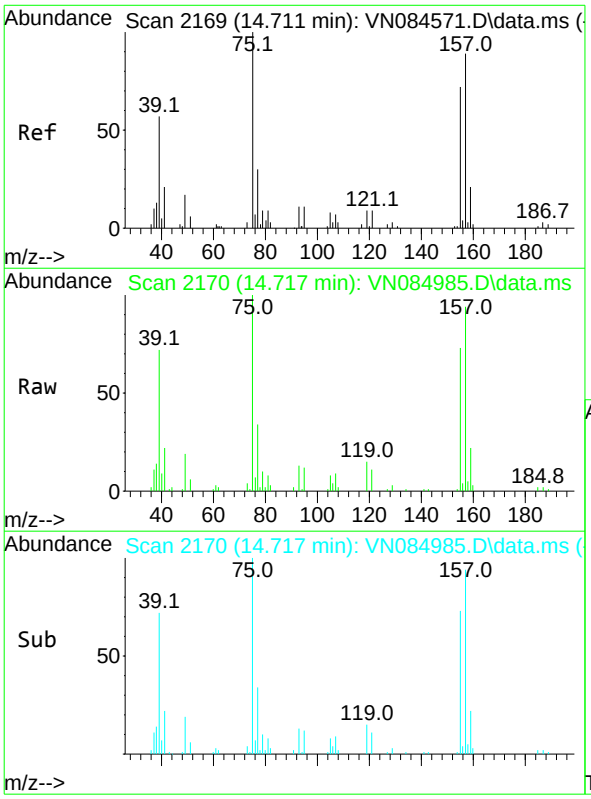
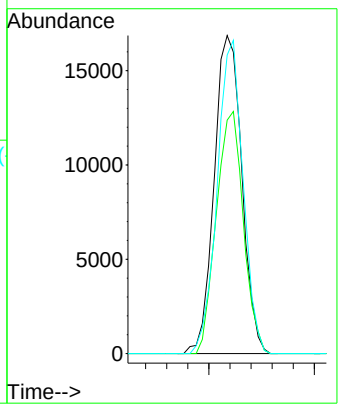
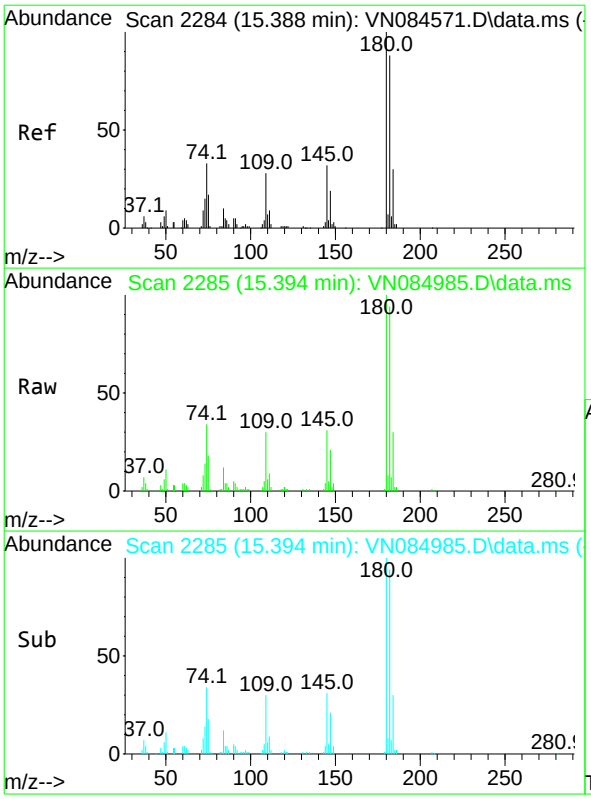


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.104 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 75 Resp: 30660

Ion	Ratio	Lower	Upper
75	100		
155	74.5	38.1	114.5
157	92.0	49.6	149.0





#93
1,2,4-Trichlorobenzene
Concen: 38.555 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:180 Resp: 92582

Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.0	141.0
145	32.5	16.4	49.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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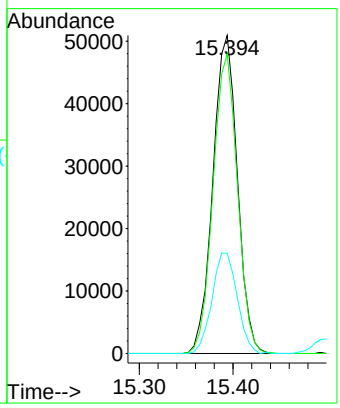
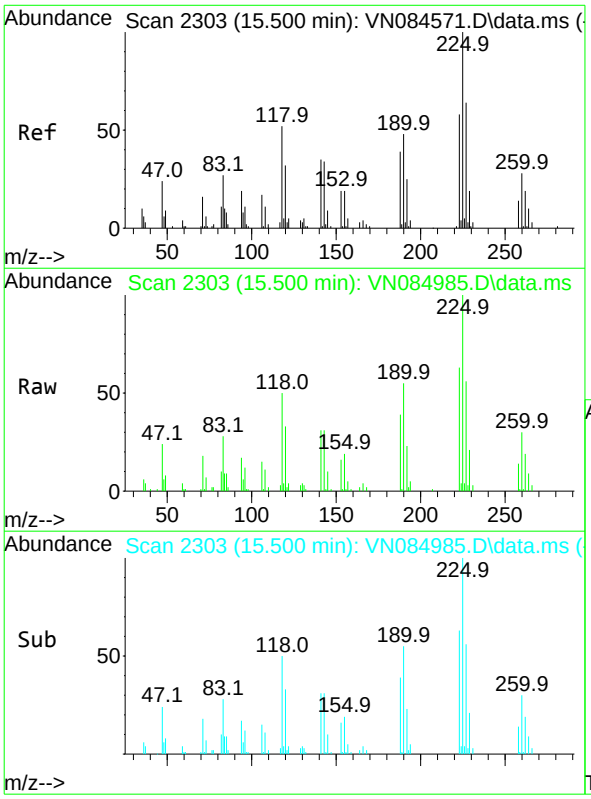
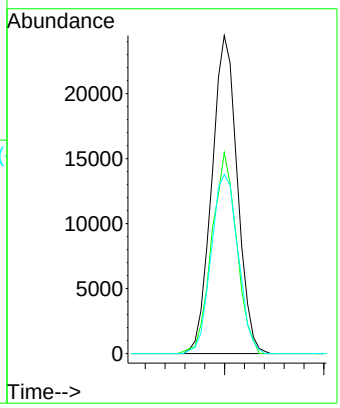


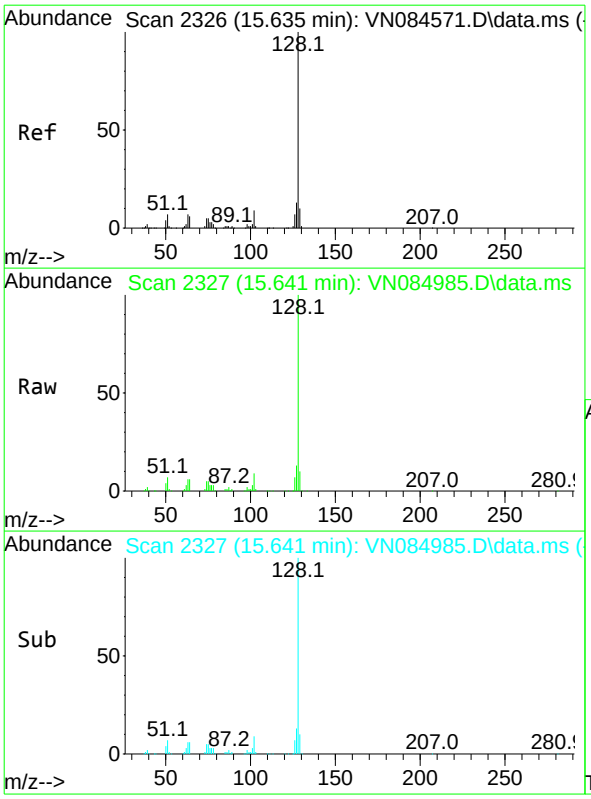


#94
Hexachlorobutadiene
Concen: 41.418 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:225 Resp: 43676

Ion	Ratio	Lower	Upper
225	100		
223	61.5	32.4	97.2
227	59.3	32.4	97.0

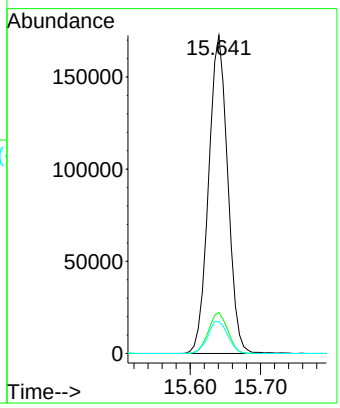




#95
Naphthalene
Concen: 45.383 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:128 Resp: 326191

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.6	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
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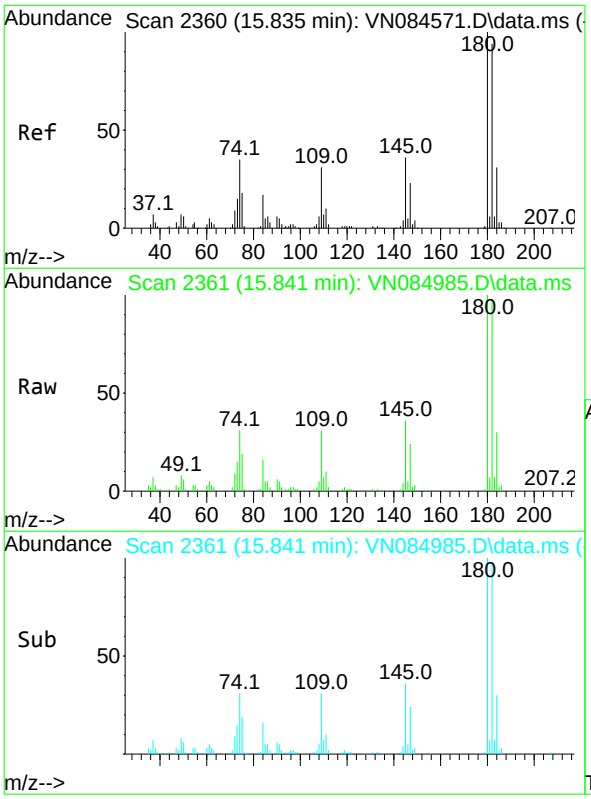
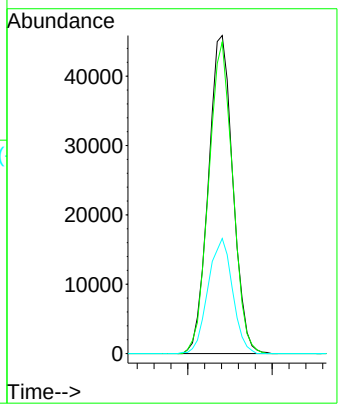


#96
1,2,3-Trichlorobenzene
Concen: 39.649 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:180 Resp: 92421

Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.2	144.6
145	36.1	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084985.D
Acq On : 20 Nov 2024 21:46
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 21 00:51:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	79	0.00
2	T	Dichlorodifluoromethane	0.575	0.637	-10.8	91	0.00
3	P	Chloromethane	0.952	0.694	27.1#	81	0.00
4	C	Vinyl Chloride	0.618	0.667	-7.9#	87	0.00
5	T	Bromomethane	0.328	0.364	-11.0	97	-0.05
6	T	Chloroethane	0.488	0.438	10.2	92	-0.06
7	T	Trichlorofluoromethane	1.018	1.118	-9.8	92	-0.04
8	T	Diethyl Ether	0.359	0.403	-12.3	90	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.575	0.628	-9.2	89	-0.02
10	T	Methyl Iodide	0.769	0.878	-14.2	94	-0.02
11	T	Tert butyl alcohol	0.095	0.138	-45.3#	126	0.02
12	CM	1,1-Dichloroethene	0.569	0.609	-7.0#	89	-0.02
13	T	Acrolein	0.095	0.104	-9.5	93	0.00
14	T	Allyl chloride	0.923	1.025	-11.1	88	-0.02
15	T	Acrylonitrile	0.276	0.351	-27.2#	102	0.00
16	T	Acetone	0.238	0.281	-18.1	109	0.00
17	T	Carbon Disulfide	1.753	1.707	2.6	84	-0.02
18	T	Methyl Acetate	1.172	0.880	24.9	93	0.00
19	T	Methyl tert-butyl Ether	1.745	2.057	-17.9	92	0.00
20	T	Methylene Chloride	0.635	0.695	-9.4	91	-0.01
21	T	trans-1,2-Dichloroethene	0.585	0.622	-6.3	87	-0.01
22	T	Diisopropyl ether	1.835	2.088	-13.8	89	0.00
23	T	Vinyl Acetate	1.265	1.599	-26.4#	97	0.00
24	P	1,1-Dichloroethane	1.102	1.203	-9.2	89	0.00
25	T	2-Butanone	0.337	0.455	-35.0#	114	0.00
26	T	2,2-Dichloropropane	0.959	0.935	2.5	78	0.00
27	T	cis-1,2-Dichloroethene	0.683	0.747	-9.4	89	0.00
28	T	Bromochloromethane	0.439	0.426	3.0	66	0.00
29	T	Tetrahydrofuran	0.224	0.303	-35.3#	108	0.00
30	C	Chloroform	1.121	1.249	-11.4#	91	0.00
31	T	Cyclohexane	0.997	1.043	-4.6	88	0.00
32	T	1,1,1-Trichloroethane	1.021	1.164	-14.0	93	0.00
33	S	1,2-Dichloroethane-d4	0.722	0.673	6.8	74	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	81	0.00
35	S	Dibromofluoromethane	0.338	0.303	10.4	71	0.00
36	T	1,1-Dichloropropene	0.469	0.491	-4.7	88	0.00
37	T	Ethyl Acetate	0.426	0.541	-27.0#	104	0.00
38	T	Carbon Tetrachloride	0.525	0.589	-12.2	93	0.00
39	T	Methylcyclohexane	0.478	0.544	-13.8	87	0.00
40	TM	Benzene	1.507	1.605	-6.5	90	0.00
41	T	Methacrylonitrile	0.229	0.305	-33.2#	100	0.00
42	TM	1,2-Dichloroethane	0.488	0.543	-11.3	89	0.00
43	T	Isopropyl Acetate	0.927	1.128	-21.7	121	0.00
44	TM	Trichloroethene	0.348	0.363	-4.3	88	0.00
45	C	1,2-Dichloropropane	0.354	0.384	-8.5#	89	0.00
46	T	Dibromomethane	0.250	0.280	-12.0	93	0.00
47	T	Bromodichloromethane	0.526	0.582	-10.6	90	0.00
48	T	Methyl methacrylate	0.331	0.426	-28.7#	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084985.D
Acq On : 20 Nov 2024 21:46
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 21 00:51:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.008	-33.3#	108	0.00
50	S	Toluene-d8	1.247	1.097	12.0	68	0.00
51	T	4-Methyl-2-Pentanone	0.406	0.550	-35.5#	105	0.00
52	CM	Toluene	0.882	0.985	-11.7#	89	0.00
53	T	t-1,3-Dichloropropene	0.544	0.583	-7.2	87	0.00
54	T	cis-1,3-Dichloropropene	0.576	0.614	-6.6	86	0.00
55	T	1,1,2-Trichloroethane	0.332	0.373	-12.3	92	0.00
56	T	Ethyl methacrylate	0.480	0.622	-29.6#	93	0.00
57	T	1,3-Dichloropropane	0.570	0.647	-13.5	93	0.00
58	T	2-Chloroethyl Vinyl ether	0.225	0.275	-22.2	85	0.00
59	T	2-Hexanone	0.296	0.417	-40.9#	108	0.00
60	T	Dibromochloromethane	0.378	0.441	-16.7	91	0.00
61	T	1,2-Dibromoethane	0.340	0.391	-15.0	95	0.00
62	S	4-Bromofluorobenzene	0.466	0.461	1.1	76	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	83	0.00
64	T	Tetrachloroethene	0.333	0.344	-3.3	91	0.00
65	PM	Chlorobenzene	1.119	1.111	0.7	87	0.00
66	T	1,1,1,2-Tetrachloroethane	0.389	0.426	-9.5	94	0.00
67	C	Ethyl Benzene	1.867	2.036	-9.1#	89	0.00
68	T	m/p-Xylenes	0.707	0.782	-10.6	89	0.00
69	T	o-Xylene	0.661	0.757	-14.5	91	0.00
70	T	Styrene	1.154	1.265	-9.6	87	0.00
71	P	Bromoform	0.293	0.326	-11.3	92	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	90	0.00
73	T	Isopropylbenzene	3.504	3.531	-0.8	89	0.00
74	T	N-amyl acetate	1.491	1.645	-10.3	97	0.00
75	P	1,1,2,2-Tetrachloroethane	1.170	1.165	0.4	97	0.00
76	T	1,2,3-Trichloropropane	0.999	0.998	0.1	101	0.00
77	T	Bromobenzene	0.942	0.865	8.2	88	0.00
78	T	n-propylbenzene	4.106	4.044	1.5	86	0.00
79	T	2-Chlorotoluene	2.683	2.566	4.4	88	0.00
80	T	1,3,5-Trimethylbenzene	2.904	3.007	-3.5	88	0.00
81	T	trans-1,4-Dichloro-2-butene	0.421	0.410	2.6	92	0.00
82	T	4-Chlorotoluene	2.823	2.600	7.9	86	0.00
83	T	tert-Butylbenzene	2.403	2.564	-6.7	91	0.00
84	T	1,2,4-Trimethylbenzene	2.997	3.057	-2.0	87	0.00
85	T	sec-Butylbenzene	3.395	3.424	-0.9	87	0.00
86	T	p-Isopropyltoluene	2.784	2.866	-2.9	84	0.00
87	T	1,3-Dichlorobenzene	1.838	1.547	15.8	83	0.00
88	T	1,4-Dichlorobenzene	1.937	1.572	18.8	84	0.00
89	T	n-Butylbenzene	2.605	2.316	11.1	79	0.00
90	T	Hexachloroethane	0.621	0.560	9.8	85	0.00
91	T	1,2-Dichlorobenzene	1.766	1.599	9.5	89	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.247	-4.2	102	0.00
93	T	1,2,4-Trichlorobenzene	0.967	0.746	22.9	77	0.00
94	T	Hexachlorobutadiene	0.425	0.352	17.2	86	0.00
95	T	Naphthalene	2.894	2.627	9.2	85	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084985.D
Acq On : 20 Nov 2024 21:46
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 21 00:51:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.939	0.744	20.8	79	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084985.D
Acq On : 20 Nov 2024 21:46
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 21 00:51:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	79	0.00
2	T	Dichlorodifluoromethane	50.000	55.441	-10.9	91	0.00
3	P	Chloromethane	50.000	51.524	-3.0	81	0.00
4	C	Vinyl Chloride	50.000	53.978	-8.0#	87	0.00
5	T	Bromomethane	50.000	55.545	-11.1	97	-0.05
6	T	Chloroethane	50.000	57.392	-14.8	92	-0.06
7	T	Trichlorofluoromethane	50.000	54.876	-9.8	92	-0.04
8	T	Diethyl Ether	50.000	56.082	-12.2	90	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	54.541	-9.1	89	-0.02
10	T	Methyl Iodide	50.000	57.066	-14.1	94	-0.02
11	T	Tert butyl alcohol	250.000	361.410	-44.6#	126	0.02
12	CM	1,1-Dichloroethene	50.000	53.467	-6.9#	89	-0.02
13	T	Acrolein	250.000	273.856	-9.5	93	0.00
14	T	Allyl chloride	50.000	55.481	-11.0	88	-0.02
15	T	Acrylonitrile	250.000	317.602	-27.0#	102	0.00
16	T	Acetone	250.000	337.153	-34.9#	109	0.00
17	T	Carbon Disulfide	50.000	48.686	2.6	84	-0.02
18	T	Methyl Acetate	50.000	58.427	-16.9	93	0.00
19	T	Methyl tert-butyl Ether	50.000	58.918	-17.8	92	0.00
20	T	Methylene Chloride	50.000	54.742	-9.5	91	-0.01
21	T	trans-1,2-Dichloroethene	50.000	53.204	-6.4	87	-0.01
22	T	Diisopropyl ether	50.000	56.891	-13.8	89	0.00
23	T	Vinyl Acetate	250.000	315.894	-26.4#	97	0.00
24	P	1,1-Dichloroethane	50.000	54.624	-9.2	89	0.00
25	T	2-Butanone	250.000	337.529	-35.0#	114	0.00
26	T	2,2-Dichloropropane	50.000	48.745	2.5	78	0.00
27	T	cis-1,2-Dichloroethene	50.000	54.705	-9.4	89	0.00
28	T	Bromochloromethane	50.000	48.556	2.9	66	0.00
29	T	Tetrahydrofuran	250.000	339.405	-35.8#	108	0.00
30	C	Chloroform	50.000	55.688	-11.4#	91	0.00
31	T	Cyclohexane	50.000	52.318	-4.6	88	0.00
32	T	1,1,1-Trichloroethane	50.000	57.050	-14.1	93	0.00
33	S	1,2-Dichloroethane-d4	50.000	46.586	6.8	74	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	81	0.00
35	S	Dibromofluoromethane	50.000	44.743	10.5	71	0.00
36	T	1,1-Dichloropropene	50.000	52.350	-4.7	88	0.00
37	T	Ethyl Acetate	50.000	63.508	-27.0#	104	0.00
38	T	Carbon Tetrachloride	50.000	56.103	-12.2	93	0.00
39	T	Methylcyclohexane	50.000	56.989	-14.0	87	0.00
40	TM	Benzene	50.000	53.231	-6.5	90	0.00
41	T	Methacrylonitrile	50.000	66.627	-33.3#	100	0.00
42	TM	1,2-Dichloroethane	50.000	55.651	-11.3	89	0.00
43	T	Isopropyl Acetate	50.000	72.124	-44.2#	121	0.00
44	TM	Trichloroethene	50.000	52.196	-4.4	88	0.00
45	C	1,2-Dichloropropane	50.000	54.315	-8.6#	89	0.00
46	T	Dibromomethane	50.000	56.100	-12.2	93	0.00
47	T	Bromodichloromethane	50.000	55.287	-10.6	90	0.00
48	T	Methyl methacrylate	50.000	64.200	-28.4#	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084985.D
Acq On : 20 Nov 2024 21:46
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 21 00:51:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1379.814	-38.0#	108	0.00
50	S	Toluene-d8	50.000	43.992	12.0	68	0.00
51	T	4-Methyl-2-Pentanone	250.000	338.851	-35.5#	105	0.00
52	CM	Toluene	50.000	55.875	-11.8#	89	0.00
53	T	t-1,3-Dichloropropene	50.000	53.518	-7.0	87	0.00
54	T	cis-1,3-Dichloropropene	50.000	53.254	-6.5	86	0.00
55	T	1,1,2-Trichloroethane	50.000	56.186	-12.4	92	0.00
56	T	Ethyl methacrylate	50.000	64.783	-29.6#	93	0.00
57	T	1,3-Dichloropropane	50.000	56.748	-13.5	93	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	305.819	-22.3	85	0.00
59	T	2-Hexanone	250.000	353.146	-41.3#	108	0.00
60	T	Dibromochloromethane	50.000	58.280	-16.6	91	0.00
61	T	1,2-Dibromoethane	50.000	57.479	-15.0	95	0.00
62	S	4-Bromofluorobenzene	50.000	49.505	1.0	76	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	83	0.00
64	T	Tetrachloroethene	50.000	51.679	-3.4	91	0.00
65	PM	Chlorobenzene	50.000	49.651	0.7	87	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	54.683	-9.4	94	0.00
67	C	Ethyl Benzene	50.000	54.512	-9.0#	89	0.00
68	T	m/p-Xylenes	100.000	110.569	-10.6	89	0.00
69	T	o-Xylene	50.000	57.226	-14.5	91	0.00
70	T	Styrene	50.000	54.824	-9.6	87	0.00
71	P	Bromoform	50.000	55.658	-11.3	92	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	90	0.00
73	T	Isopropylbenzene	50.000	50.388	-0.8	89	0.00
74	T	N-amyl acetate	50.000	55.151	-10.3	97	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.820	0.4	97	0.00
76	T	1,2,3-Trichloropropane	50.000	49.929	0.1	101	0.00
77	T	Bromobenzene	50.000	45.892	8.2	88	0.00
78	T	n-propylbenzene	50.000	49.246	1.5	86	0.00
79	T	2-Chlorotoluene	50.000	47.815	4.4	88	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.774	-3.5	88	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	48.647	2.7	92	0.00
82	T	4-Chlorotoluene	50.000	46.045	7.9	86	0.00
83	T	tert-Butylbenzene	50.000	53.345	-6.7	91	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.000	-2.0	87	0.00
85	T	sec-Butylbenzene	50.000	50.431	-0.9	87	0.00
86	T	p-Isopropyltoluene	50.000	51.470	-2.9	84	0.00
87	T	1,3-Dichlorobenzene	50.000	42.073	15.9	83	0.00
88	T	1,4-Dichlorobenzene	50.000	46.540	6.9	84	0.00
89	T	n-Butylbenzene	50.000	44.452	11.1	79	0.00
90	T	Hexachloroethane	50.000	45.133	9.7	85	0.00
91	T	1,2-Dichlorobenzene	50.000	45.267	9.5	89	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.104	-4.2	102	0.00
93	T	1,2,4-Trichlorobenzene	50.000	38.555	22.9	77	0.00
94	T	Hexachlorobutadiene	50.000	41.418	17.2	86	0.00
95	T	Naphthalene	50.000	45.383	9.2	85	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084985.D
Acq On : 20 Nov 2024 21:46
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 21 00:51:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	39.649	20.7	79	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG No.: P4845

Instrument ID: MSVOA_N Calibration Date/Time: 11/22/2024 20:52

Lab File ID: VN085020.D Init. Calib. Date(s): 11/22/2024 11/22/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:22 13:45

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.565	0.513		-9.2	50
Chloromethane	0.656	0.545	0.1	-16.92	50
Vinyl Chloride	0.589	0.533		-9.51	50
Bromomethane	0.330	0.290		-12.12	50
Chloroethane	0.397	0.339		-14.61	50
Trichlorofluoromethane	1.002	0.930		-7.19	50
1,1,2-Trichlorotrifluoroethane	0.569	0.518		-8.96	50
1,1-Dichloroethene	0.531	0.499		-6.03	50
Acetone	0.207	0.221		6.76	50
Carbon Disulfide	1.566	1.328		-15.2	50
Methyl tert-butyl Ether	1.734	1.703		-1.79	50
Methyl Acetate	0.804	0.679		-15.55	50
Methylene Chloride	0.633	0.558		-11.85	50
trans-1,2-Dichloroethene	0.558	0.507		-9.14	50
1,1-Dichloroethane	1.078	1.011	0.1	-6.22	50
Cyclohexane	0.949	0.819		-13.7	50
2-Butanone	0.339	0.340		0.29	50
Carbon Tetrachloride	0.527	0.494		-6.26	50
cis-1,2-Dichloroethene	0.673	0.622		-7.58	50
Bromochloromethane	0.407	0.378		-7.13	50
Chloroform	1.146	1.036		-9.6	50
1,1,1-Trichloroethane	1.036	0.963		-7.05	50
Methylcyclohexane	0.475	0.444		-6.74	50
Benzene	1.445	1.329		-7.96	50
1,2-Dichloroethane	0.494	0.455		-7.89	50
Trichloroethene	0.336	0.308		-8.33	50
1,2-Dichloropropane	0.356	0.321		-9.83	50
Bromodichloromethane	0.524	0.491		-6.3	50
4-Methyl-2-Pentanone	0.394	0.422		7.11	50
Toluene	0.855	0.819		-4.21	50
t-1,3-Dichloropropene	0.525	0.477		-9.14	50
cis-1,3-Dichloropropene	0.557	0.516		-7.36	50
1,1,2-Trichloroethane	0.319	0.306		-4.07	50
2-Hexanone	0.295	0.314		6.44	50
Dibromochloromethane	0.389	0.361		-7.2	50
1,2-Dibromoethane	0.330	0.308		-6.67	50
Tetrachloroethene	0.337	0.292		-13.35	50
Chlorobenzene	1.134	0.985	0.3	-13.14	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG No.: P4845

Instrument ID: MSVOA_N Calibration Date/Time: 11/22/2024 20:52

Lab File ID: VN085020.D Init. Calib. Date(s): 11/22/2024 11/22/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:22 13:45

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.840	1.773		-3.64	50
m/p-Xylenes	0.700	0.679		-3	50
o-Xylene	0.666	0.654		-1.8	50
Styrene	1.108	1.117		0.81	50
Bromoform	0.296	0.292	0.1	-1.35	50
Isopropylbenzene	3.527	3.247		-7.94	50
1,1,2,2-Tetrachloroethane	1.205	1.010	0.3	-16.11	50
1,3-Dichlorobenzene	1.872	1.441		-23.02	50
1,4-Dichlorobenzene	1.911	1.429		-25.22	50
1,2-Dichlorobenzene	1.794	1.406		-21.63	50
1,2-Dibromo-3-Chloropropane	0.233	0.201		-13.73	50
1,2,4-Trichlorobenzene	0.975	0.664		-31.9	50
1,2,3-Trichlorobenzene	0.930	0.685		-26.34	50
1,2-Dichloroethane-d4	0.712	0.721		1.26	50
Dibromofluoromethane	0.337	0.337		0	50
Toluene-d8	1.208	1.236		2.32	50
4-Bromofluorobenzene	0.452	0.492		8.85	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085020.D
Acq On : 22 Nov 2024 20:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 23 03:27:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	165807	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	282273	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	244375	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126177	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	119484	50.590	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.180%			
35) Dibromofluoromethane	8.159	113	95064	49.940	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.880%			
50) Toluene-d8	10.565	98	348915	51.146	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.300%			
62) 4-Bromofluorobenzene	12.847	95	138876	54.436	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.880%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	85037	45.356	ug/l	100
3) Chloromethane	2.359	50	90354	41.551	ug/l	100
4) Vinyl Chloride	2.512	62	88359	45.215	ug/l	97
5) Bromomethane	2.901	94	48080	43.896	ug/l	97
6) Chloroethane	3.071	64	56281	42.728	ug/l	97
7) Trichlorofluoromethane	3.471	101	154195	46.385	ug/l	100
8) Diethyl Ether	3.953	74	55012	48.621	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.353	101	85855	45.536	ug/l	99
10) Methyl Iodide	4.577	142	120548	48.302	ug/l	99
11) Tert butyl alcohol	5.542	59	72462	229.593	ug/l	95
12) 1,1-Dichloroethene	4.324	96	82751	47.021	ug/l	98
13) Acrolein	4.171	56	63713	302.534	ug/l	98
14) Allyl chloride	5.012	41	139522	47.028	ug/l	98
15) Acrylonitrile	5.712	53	223045	249.618	ug/l	100
16) Acetone	4.424	43	183436	266.681	ug/l	99
17) Carbon Disulfide	4.700	76	220134	42.378	ug/l	98
18) Methyl Acetate	5.018	43	112511	51.203	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	282308	49.096	ug/l	99
20) Methylene Chloride	5.271	84	92544	44.090	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	84073	45.396	ug/l	93
22) Diisopropyl ether	6.665	45	281533	47.149	ug/l	99
23) Vinyl Acetate	6.594	43	1045904	253.901	ug/l	99
24) 1,1-Dichloroethane	6.559	63	167707	46.934	ug/l	100
25) 2-Butanone	7.483	43	281528	250.342	ug/l	99
26) 2,2-Dichloropropane	7.483	77	144671	43.359	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	103058	46.160	ug/l	99
28) Bromochloromethane	7.806	49	62601	46.411	ug/l	97
29) Tetrahydrofuran	7.835	42	182820	261.419	ug/l	99
30) Chloroform	7.959	83	171833	45.207	ug/l	94
31) Cyclohexane	8.253	56	135845	43.179	ug/l	99
32) 1,1,1-Trichloroethane	8.159	97	159613	46.470	ug/l	97
36) 1,1-Dichloropropene	8.365	75	115546	44.814	ug/l	99
37) Ethyl Acetate	7.553	43	113589	48.460	ug/l	99
38) Carbon Tetrachloride	8.359	117	139395	46.837	ug/l	95
39) Methylcyclohexane	9.594	83	125188	46.725	ug/l	97
40) Benzene	8.600	78	375189	46.008	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085020.D
Acq On : 22 Nov 2024 20:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 23 03:27:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	65615	50.558	ug/l		99
42) 1,2-Dichloroethane	8.665	62	128351	46.006	ug/l		99
43) Isopropyl Acetate	8.688	43	202380	41.566	ug/l		98
44) Trichloroethene	9.347	130	86845	45.825	ug/l		94
45) 1,2-Dichloropropane	9.618	63	90723	45.168	ug/l		97
46) Dibromomethane	9.706	93	63403	45.429	ug/l		100
47) Bromodichloromethane	9.882	83	138510	46.825	ug/l		98
48) Methyl methacrylate	9.677	41	92223	50.901	ug/l		98
49) 1,4-Dioxane	9.688	88	30357	966.160	ug/l	#	88
51) 4-Methyl-2-Pentanone	10.441	43	596300	268.135	ug/l		99
52) Toluene	10.624	92	231070	47.864	ug/l		99
53) t-1,3-Dichloropropene	10.829	75	134544	45.368	ug/l		97
54) cis-1,3-Dichloropropene	10.306	75	145629	46.288	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	86336	48.013	ug/l		98
56) Ethyl methacrylate	10.871	69	143775	54.717	ug/l		99
57) 1,3-Dichloropropane	11.159	76	149304	47.176	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	342109	265.424	ug/l		100
59) 2-Hexanone	11.194	43	443144	266.432	ug/l		100
60) Dibromochloromethane	11.359	129	101844	46.342	ug/l		99
61) 1,2-Dibromoethane	11.465	107	86818	46.652	ug/l		99
64) Tetrachloroethene	11.100	164	71306	43.303	ug/l		91
65) Chlorobenzene	11.888	112	240742	43.438	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	88250	45.226	ug/l		99
67) Ethyl Benzene	11.959	91	433345	48.195	ug/l		100
68) m/p-Xylenes	12.070	106	331642	96.880	ug/l		99
69) o-Xylene	12.394	106	159889	49.101	ug/l		99
70) Styrene	12.406	104	273009	50.416	ug/l		100
71) Bromoform	12.576	173	71427	49.313	ug/l	#	99
73) Isopropylbenzene	12.694	105	409728	46.030	ug/l		99
74) N-amyl acetate	12.494	43	178643	48.703	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	127388	41.909	ug/l		98
76) 1,2,3-Trichloropropane	12.988	75	103534m	45.112	ug/l		
77) Bromobenzene	12.976	156	100357	41.895	ug/l		97
78) n-propylbenzene	13.035	91	473235	46.093	ug/l		100
79) 2-Chlorotoluene	13.123	91	302969	44.205	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	355712	47.623	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	45040	43.323	ug/l		99
82) 4-Chlorotoluene	13.217	91	304819	42.723	ug/l		100
83) tert-Butylbenzene	13.435	119	298778	46.490	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	361290	46.990	ug/l		99
85) sec-Butylbenzene	13.612	105	403676	46.498	ug/l		100
86) p-Isopropyltoluene	13.723	119	343655	47.952	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	181798	38.478	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	180327	37.400	ug/l		99
89) n-Butylbenzene	14.053	91	279110	41.878	ug/l		98
90) Hexachloroethane	14.329	117	66086	42.304	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	177360	39.174	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	25395	43.206	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	83838	34.085	ug/l		98
94) Hexachlorobutadiene	15.500	225	39524	34.818	ug/l		99
95) Naphthalene	15.635	128	283029	40.401	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	86482	36.849	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085020.D
Acq On : 22 Nov 2024 20:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 23 03:27:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

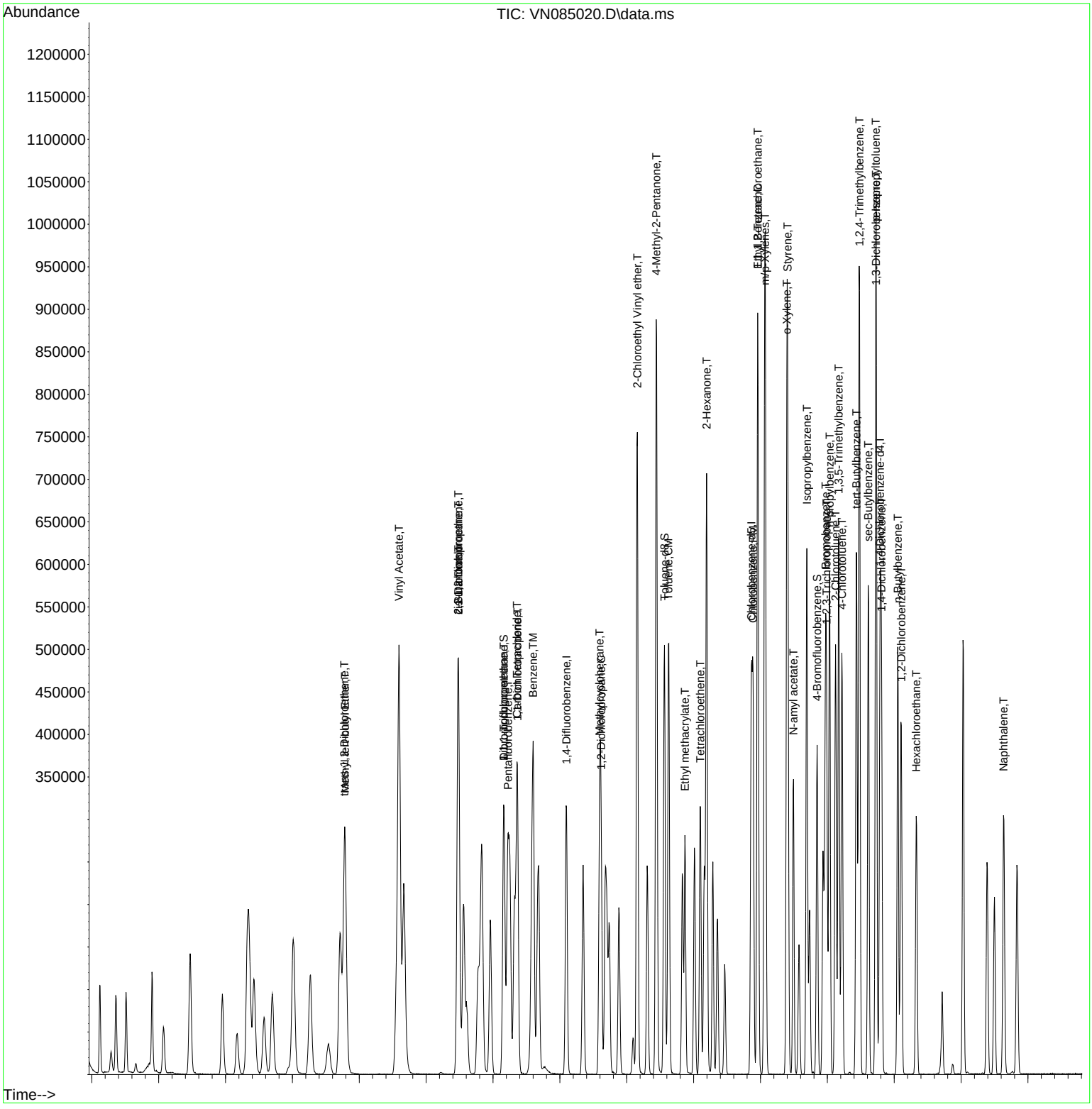
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085020.D
Acq On : 22 Nov 2024 20:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

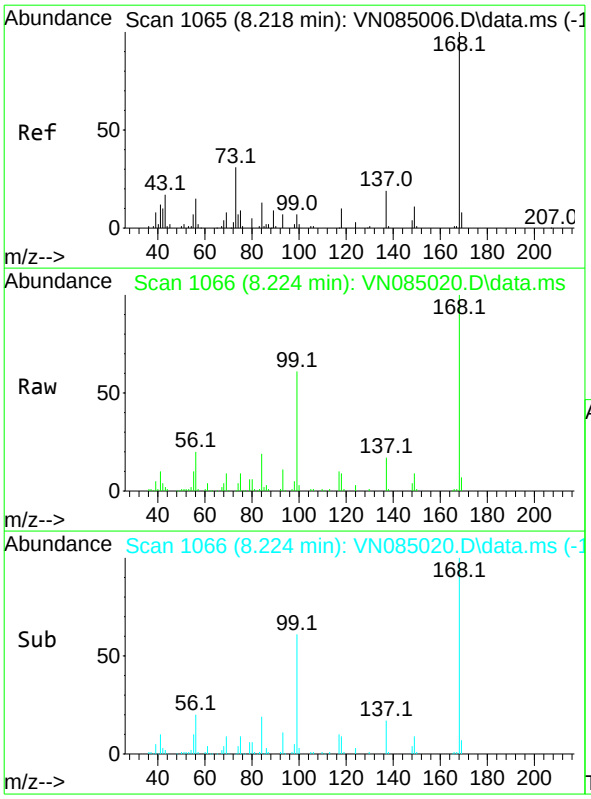
Quant Time: Nov 23 03:27:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

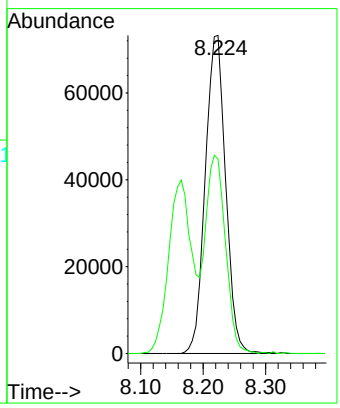




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:168 Resp: 165807

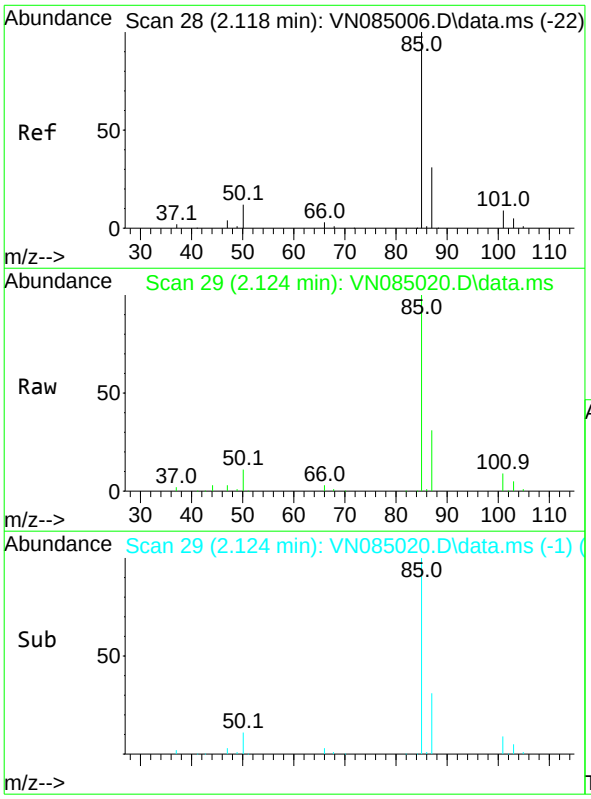
Ion	Ratio	Lower	Upper
168	100		
99	61.2	51.2	76.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

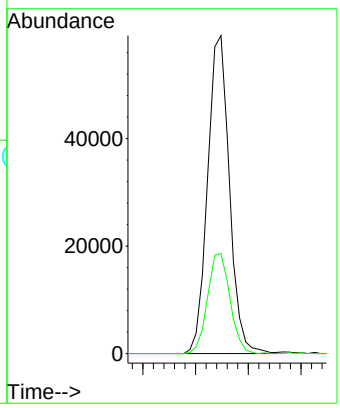
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

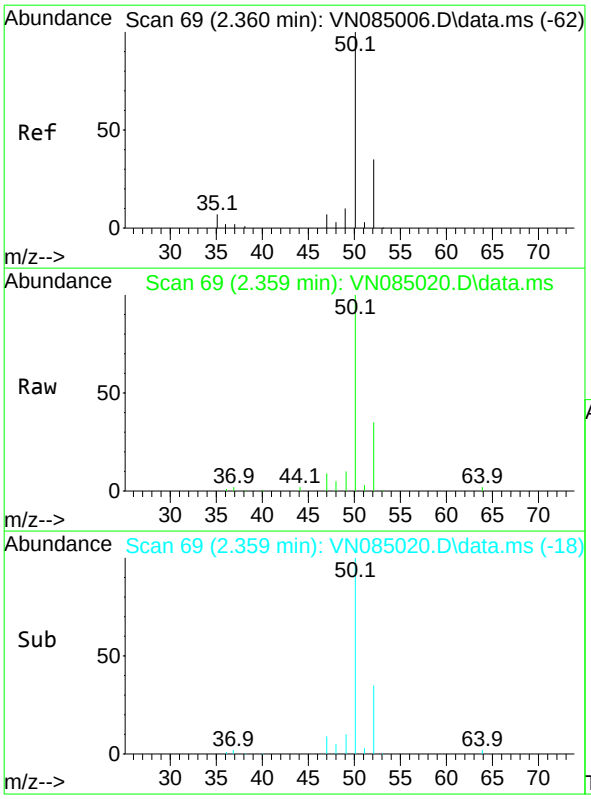


#2
Dichlorodifluoromethane
Concen: 45.356 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 85 Resp: 85037

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.7	47.1

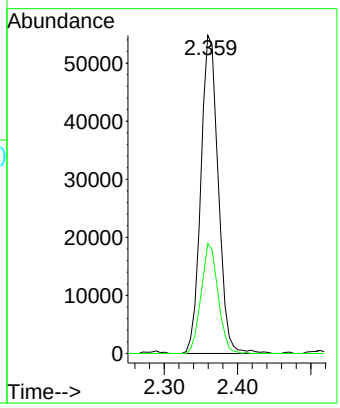




#3
Chloromethane
Concen: 41.551 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 50 Resp: 90354

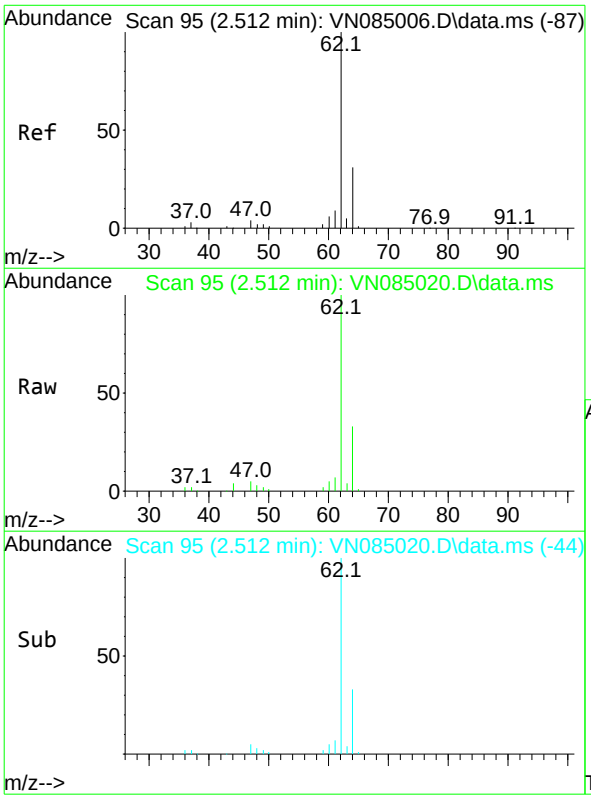
Ion	Ratio	Lower	Upper
50	100		
52	34.5	27.8	41.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

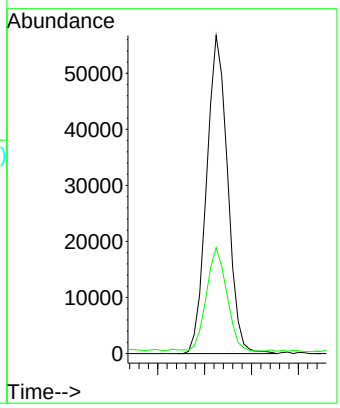
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

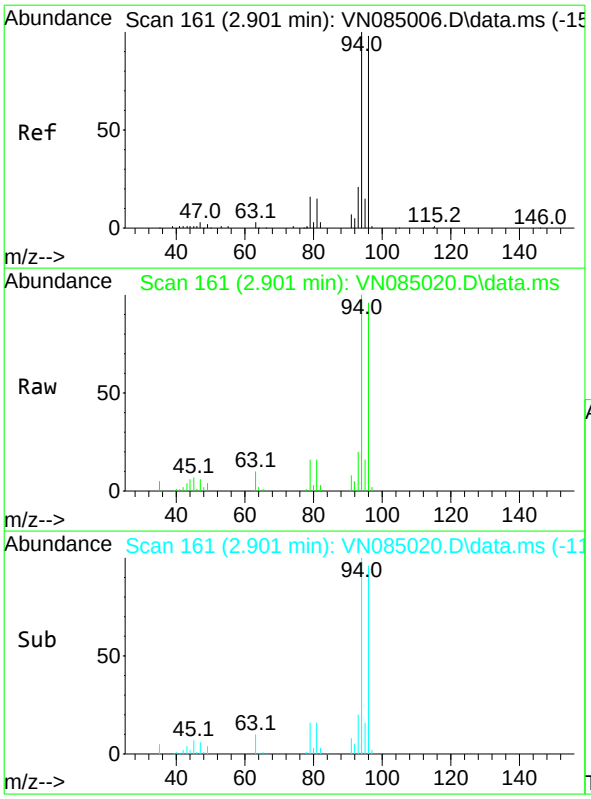


#4
Vinyl Chloride
Concen: 45.215 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 62 Resp: 88359

Ion	Ratio	Lower	Upper
62	100		
64	32.6	24.6	36.8

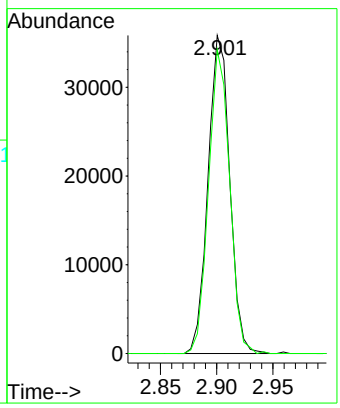




#5
Bromomethane
Concen: 43.896 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 94 Resp: 48080

Ion	Ratio	Lower	Upper
94	100		
96	95.5	78.7	118.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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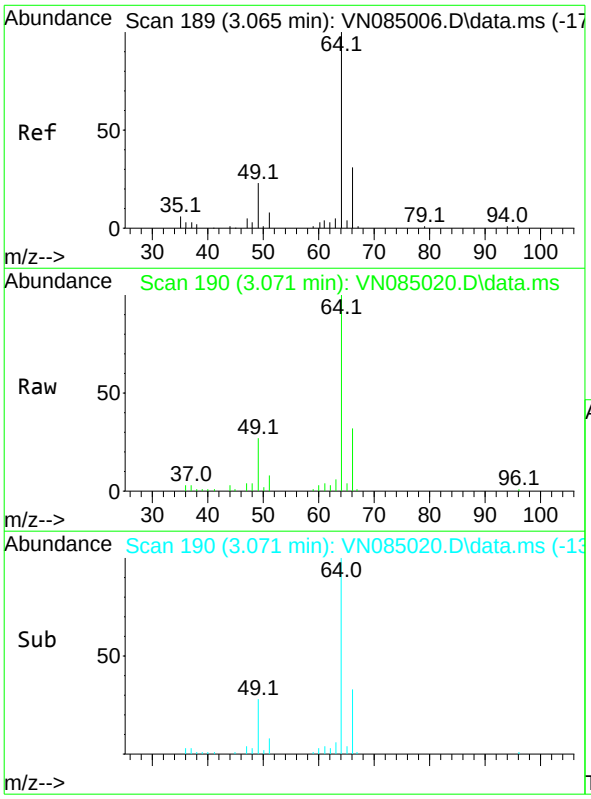
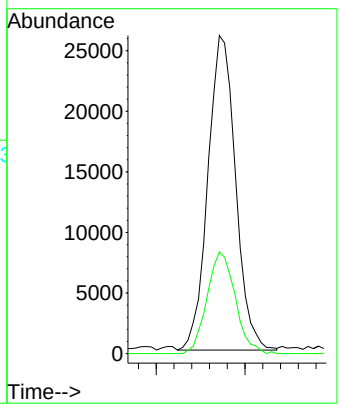
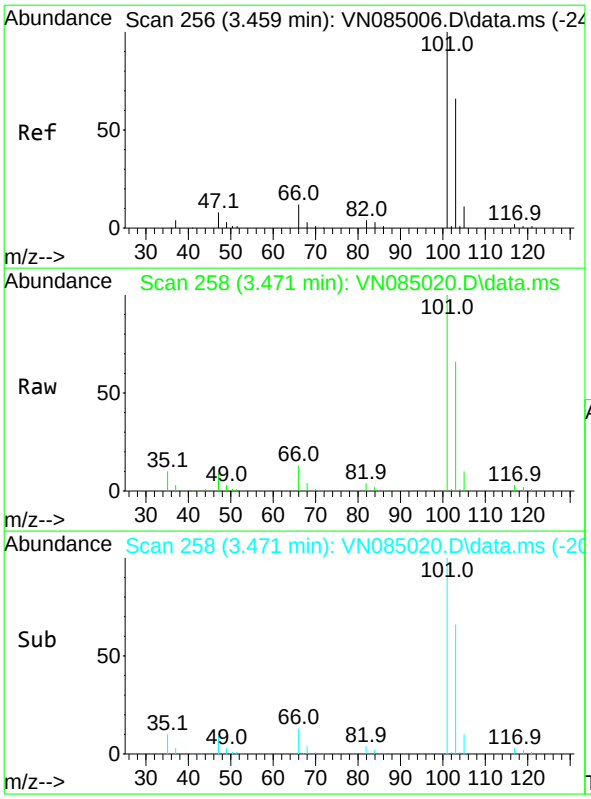


#6
Chloroethane
Concen: 42.728 ug/l
RT: 3.071 min Scan# 190
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 64 Resp: 56281

Ion	Ratio	Lower	Upper
64	100		
66	32.3	24.4	36.6

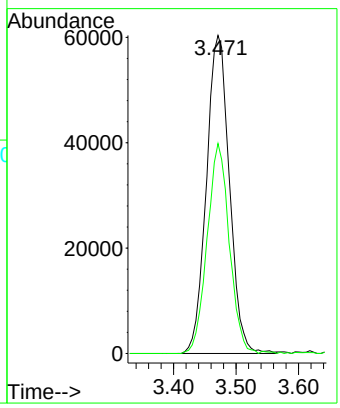




#7
Trichlorofluoromethane
Concen: 46.385 ug/l
RT: 3.471 min Scan# 25
Delta R.T. 0.012 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:101 Resp: 154195

Ion	Ratio	Lower	Upper
101	100		
103	66.0	52.6	78.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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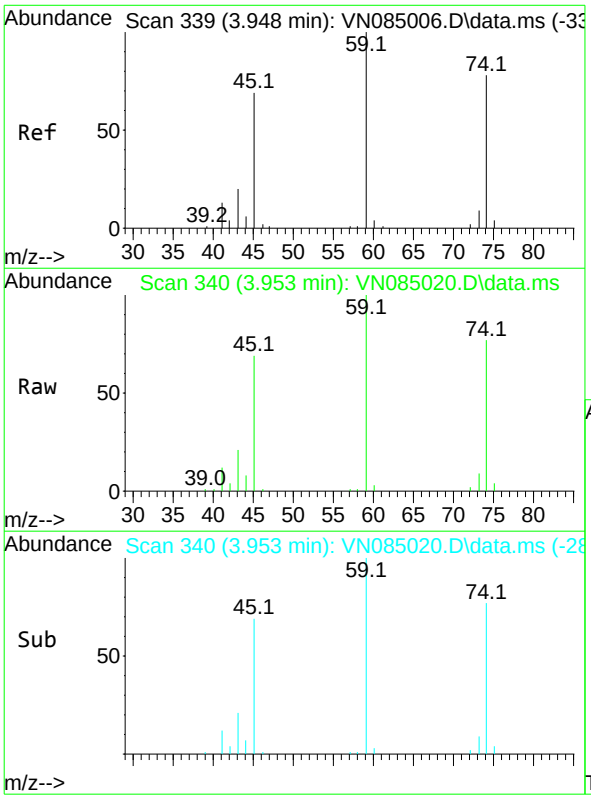
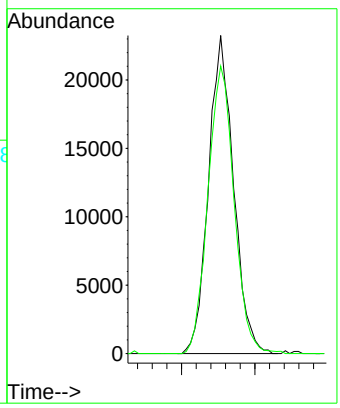
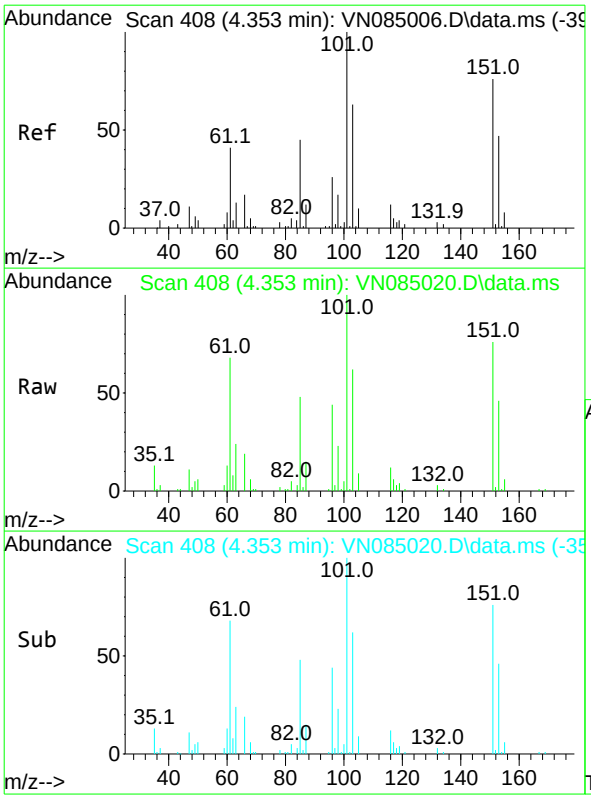


#8
Diethyl Ether
Concen: 48.621 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 74 Resp: 55012

Ion	Ratio	Lower	Upper
74	100		
45	94.5	46.7	140.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.536 ug/l
RT: 4.353 min Scan# 40
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:101 Resp: 85855

Ion	Ratio	Lower	Upper
101	100		
85	45.0	36.9	55.3
151	76.0	60.8	91.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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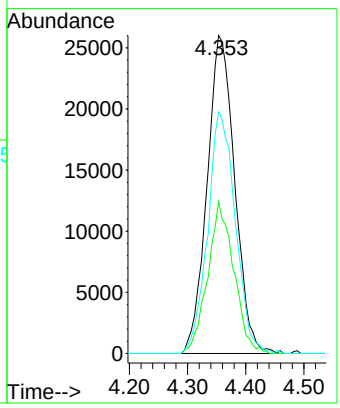
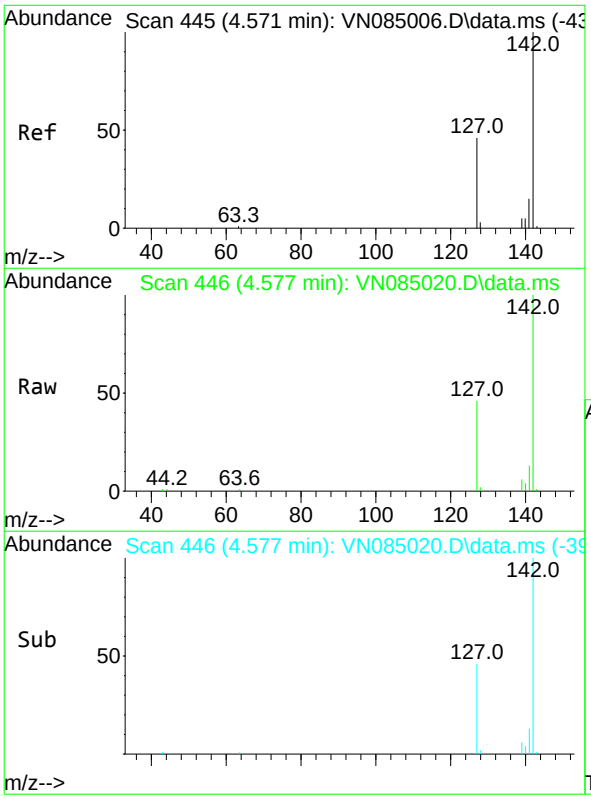
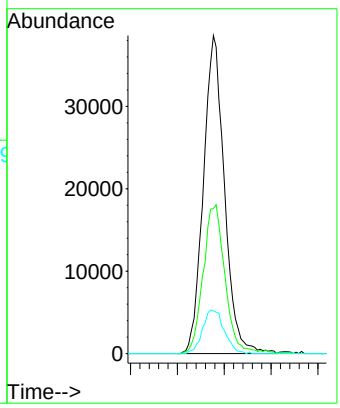


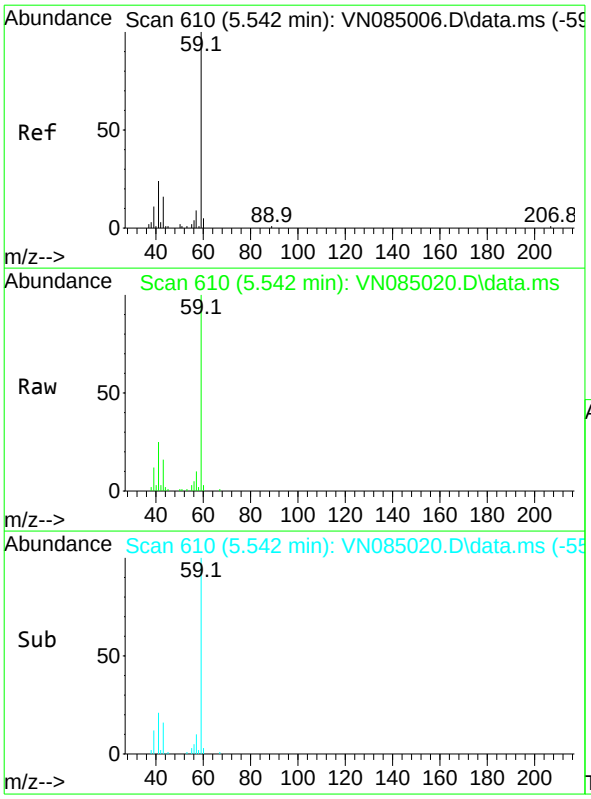


#10
Methyl Iodide
Concen: 48.302 ug/l
RT: 4.577 min Scan# 446
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:142 Resp: 120548

Ion	Ratio	Lower	Upper
142	100		
127	45.6	36.6	54.8
141	13.5	12.2	18.4





#11
Tert butyl alcohol
Concen: 229.593 ug/l
RT: 5.542 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 59 Resp: 72462

Ion	Ratio	Lower	Upper
59	100		
57	10.9	7.4	11.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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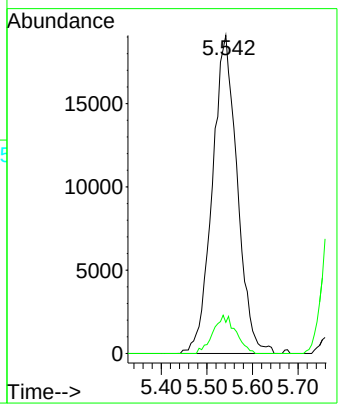
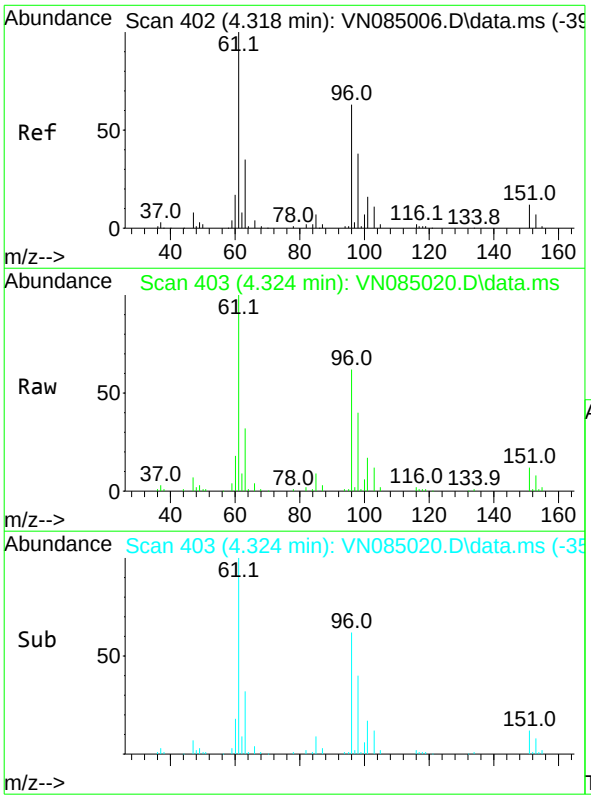
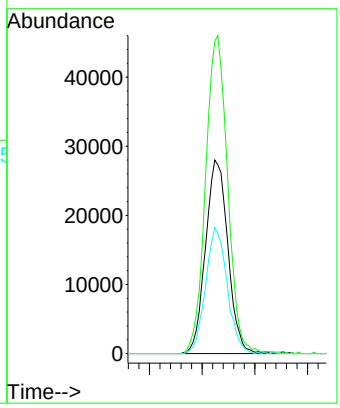


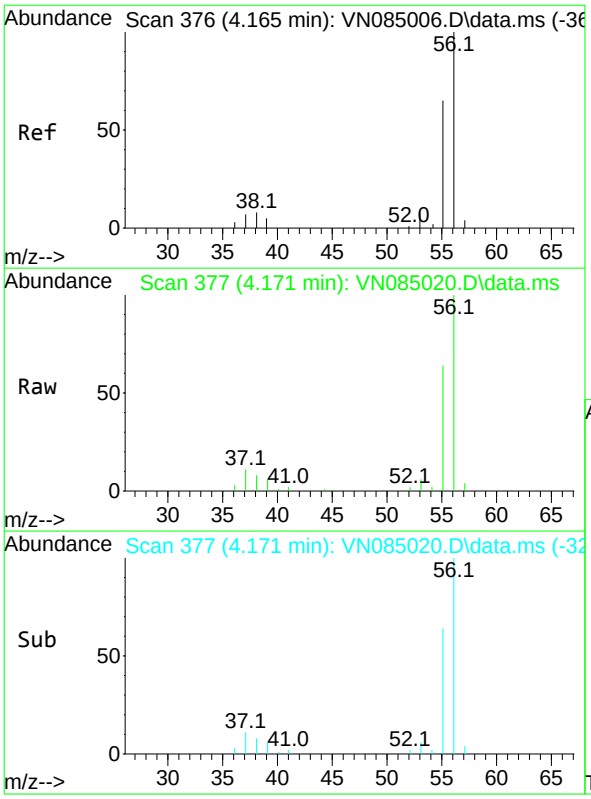


#12
1,1-Dichloroethene
Concen: 47.021 ug/l
RT: 4.324 min Scan# 403
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 96 Resp: 82751

Ion	Ratio	Lower	Upper
96	100		
61	161.3	127.8	191.8
98	65.2	49.2	73.8

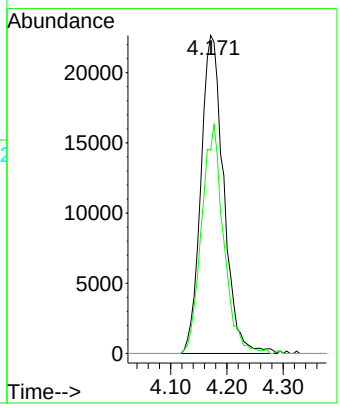




#13
Acrolein
Concen: 302.534 ug/l
RT: 4.171 min Scan# 37
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 56 Resp: 63713

Ion	Ratio	Lower	Upper
56	100		
55	69.8	54.5	81.7



Instrument :
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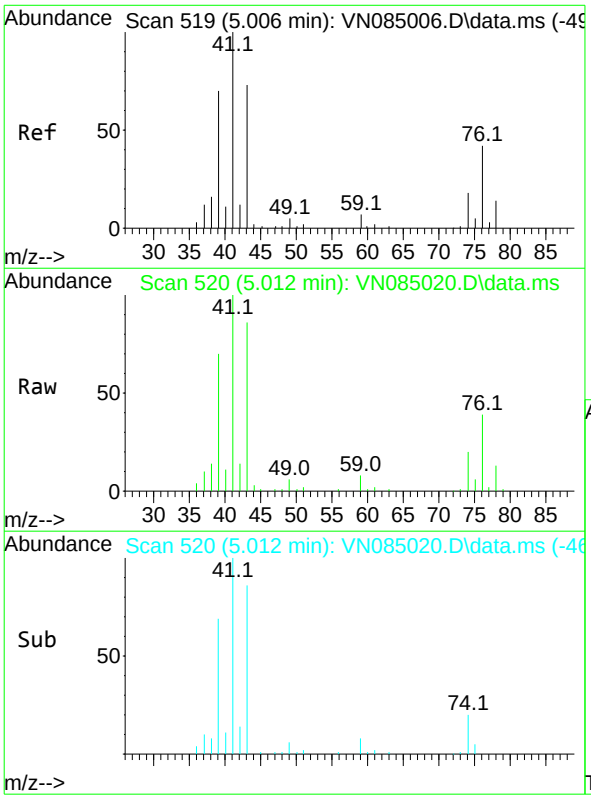
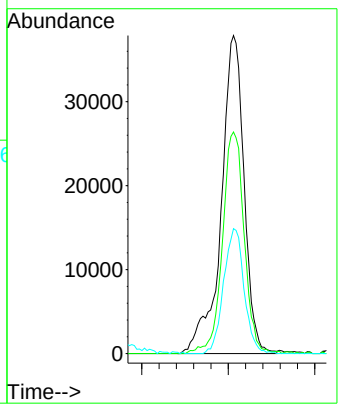
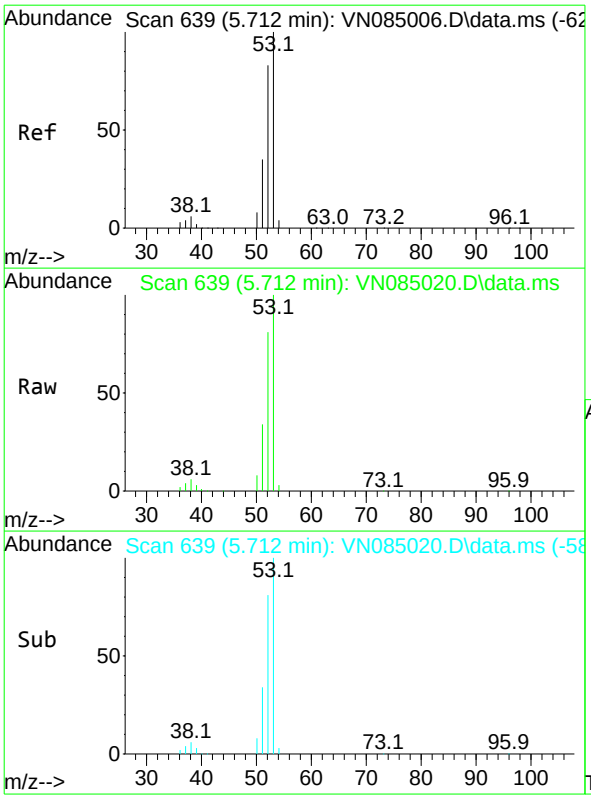


#14
Allyl chloride
Concen: 47.028 ug/l
RT: 5.012 min Scan# 520
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 41 Resp: 139522

Ion	Ratio	Lower	Upper
41	100		
39	65.6	53.8	80.8
76	35.1	29.3	43.9

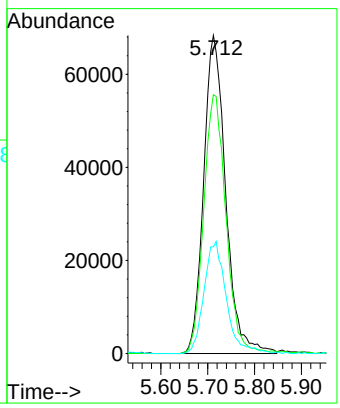




#15
Acrylonitrile
Concen: 249.618 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 53 Resp: 223045

Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.5	98.3
51	35.7	28.4	42.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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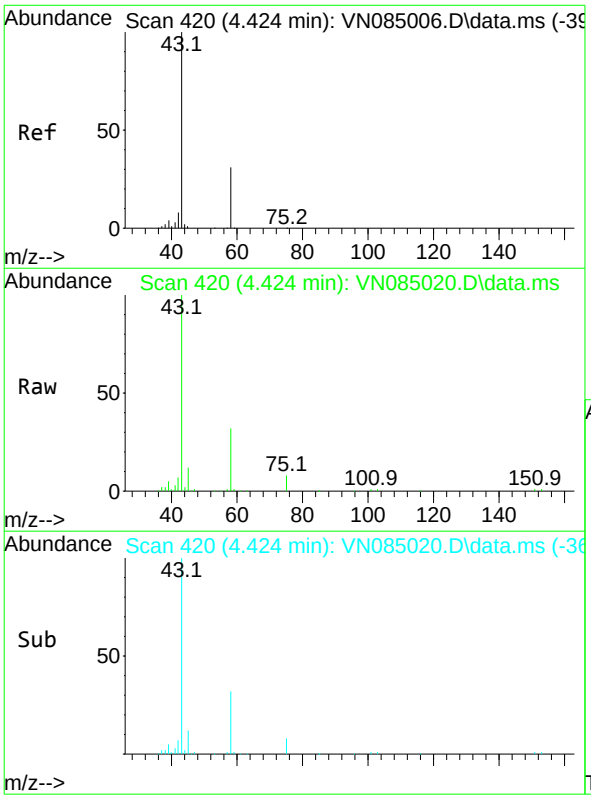
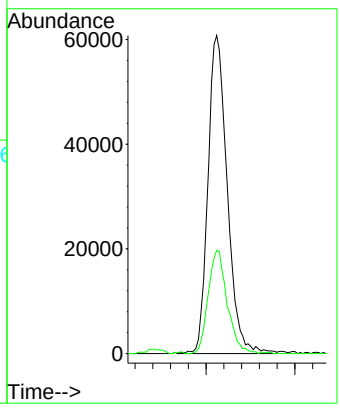
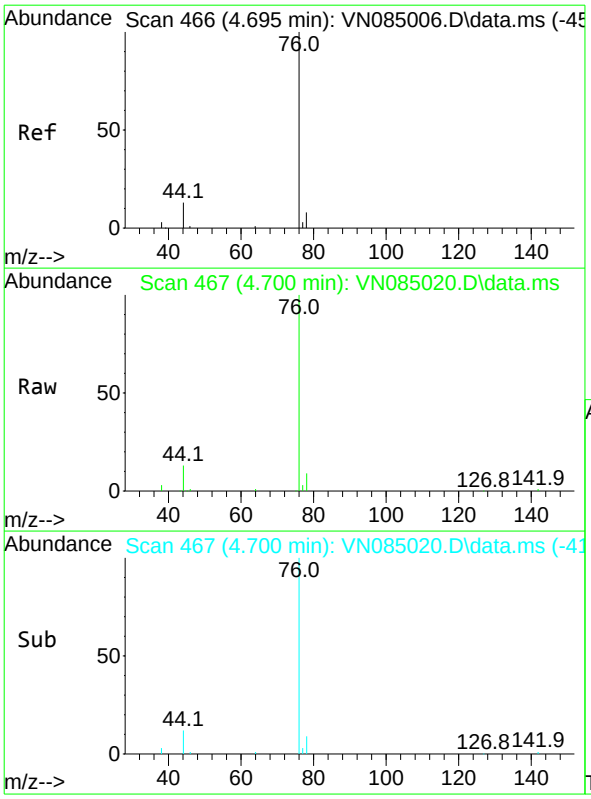


#16
Acetone
Concen: 266.681 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 43 Resp: 183436

Ion	Ratio	Lower	Upper
43	100		
58	32.5	25.4	38.2

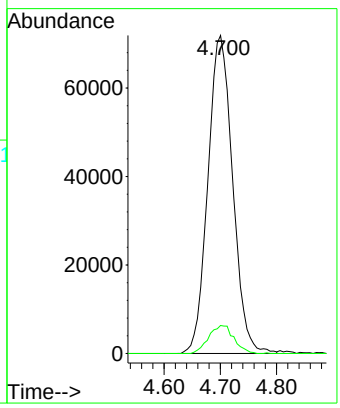




#17
Carbon Disulfide
Concen: 42.378 ug/l
RT: 4.700 min Scan# 46
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 76 Resp: 220134

Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.5	9.7



Instrument :
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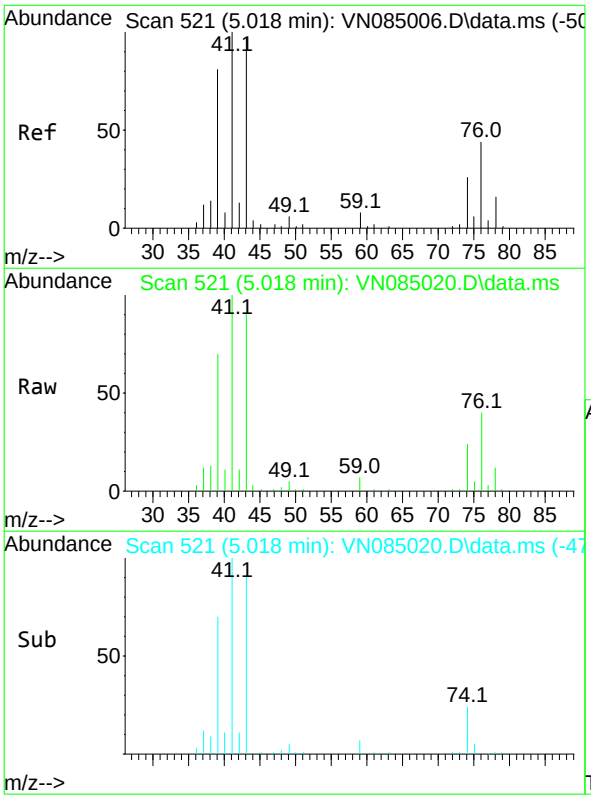
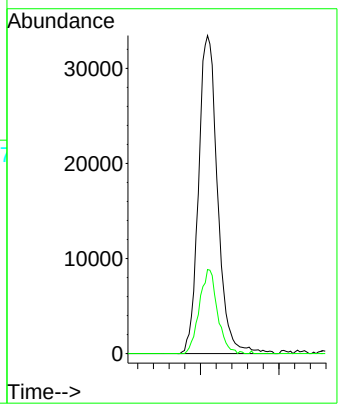
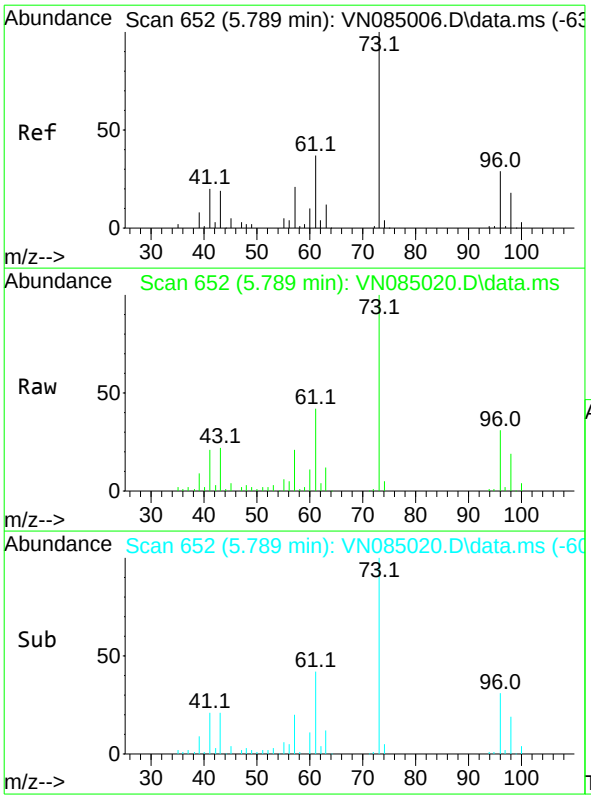


#18
Methyl Acetate
Concen: 51.203 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 43 Resp: 112511

Ion	Ratio	Lower	Upper
43	100		
74	25.0	20.1	30.1

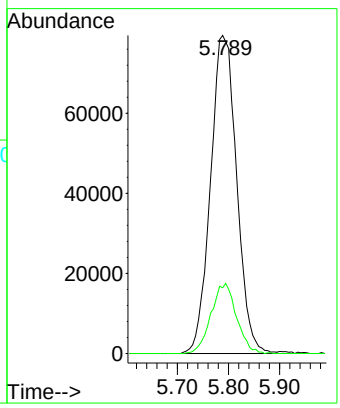




#19
Methyl tert-butyl Ether
Concen: 49.096 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 73 Resp: 282308

Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.0	25.4



Instrument :
MSVOA_N
ClientSampleId :
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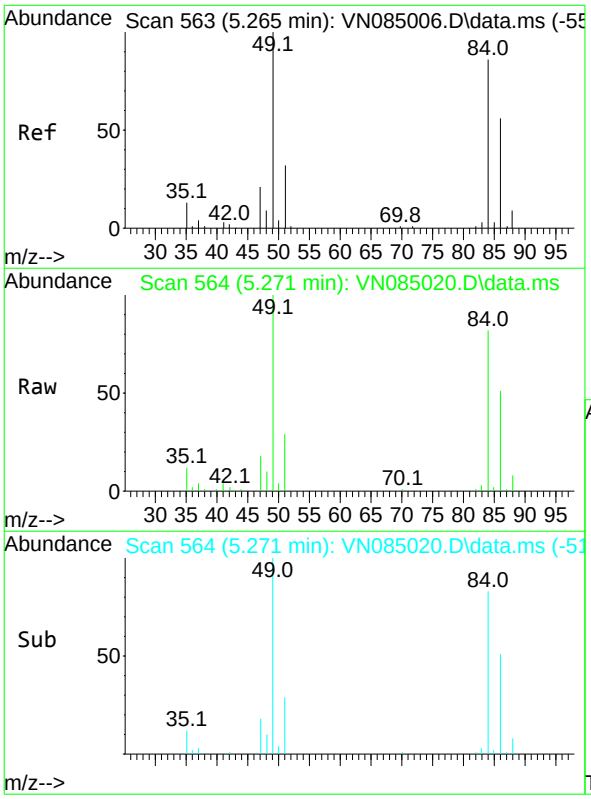
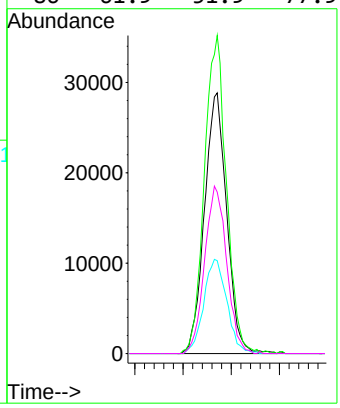
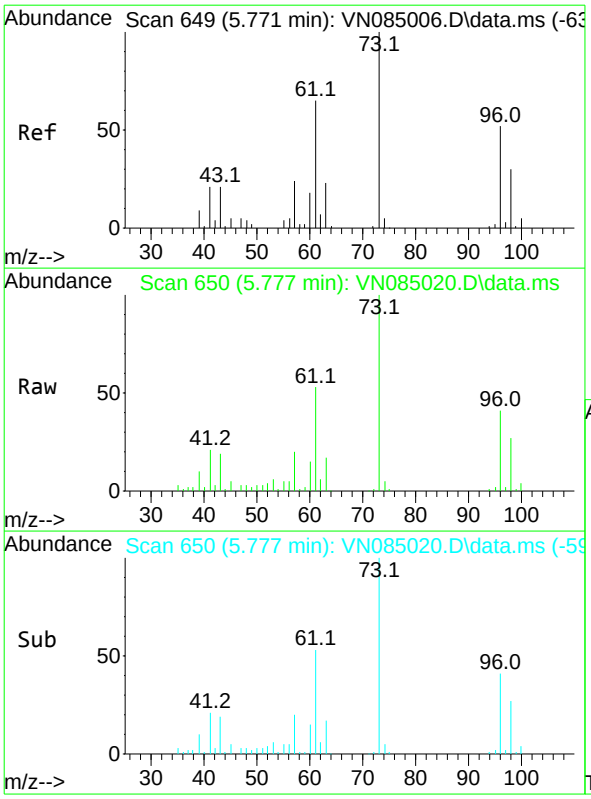


#20
Methylene Chloride
Concen: 44.090 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 84 Resp: 92544

Ion	Ratio	Lower	Upper
84	100		
49	122.0	92.7	139.1
51	35.6	29.4	44.2
86	61.9	51.9	77.9

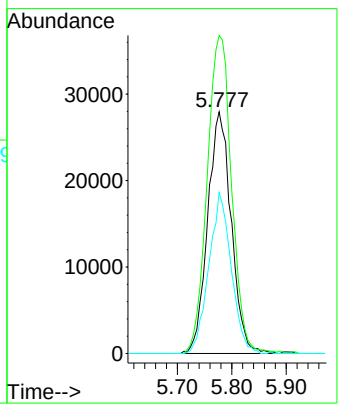




#21
trans-1,2-Dichloroethene
Concen: 45.396 ug/l
RT: 5.777 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 96 Resp: 84073

Ion	Ratio	Lower	Upper
96	100		
61	131.6	100.7	151.1
98	66.6	45.8	68.6



Instrument :
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ClientSampleId :
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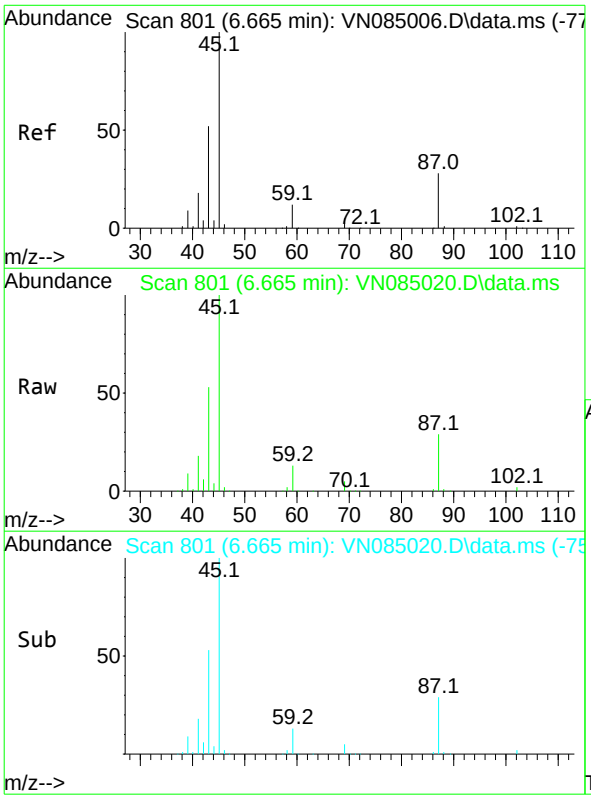
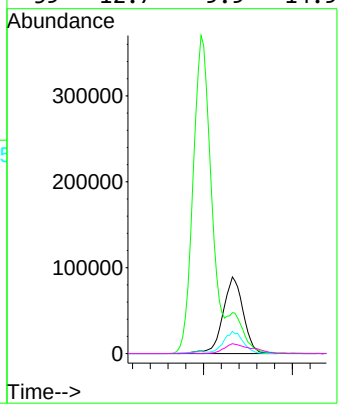
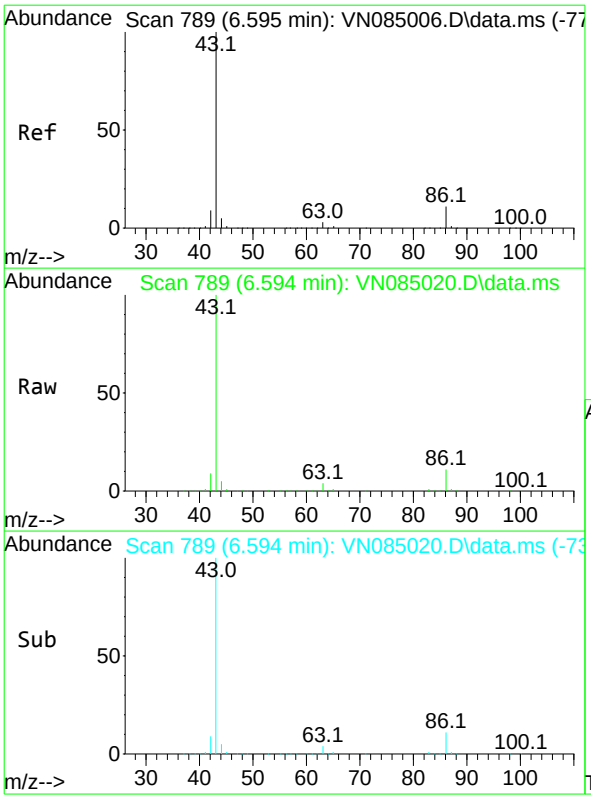


#22
Diisopropyl ether
Concen: 47.149 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 45 Resp: 281533

Ion	Ratio	Lower	Upper
45	100		
43	52.6	42.7	64.1
87	29.0	22.6	34.0
59	12.7	9.9	14.9

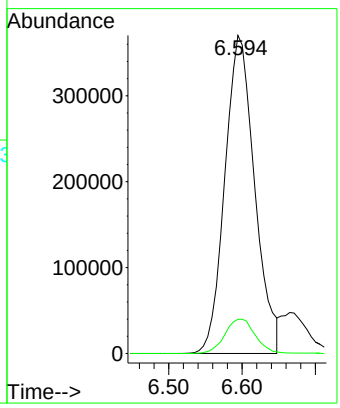




#23
Vinyl Acetate
Concen: 253.901 ug/l
RT: 6.594 min Scan# 78
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 43 Resp: 1045904

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.9	13.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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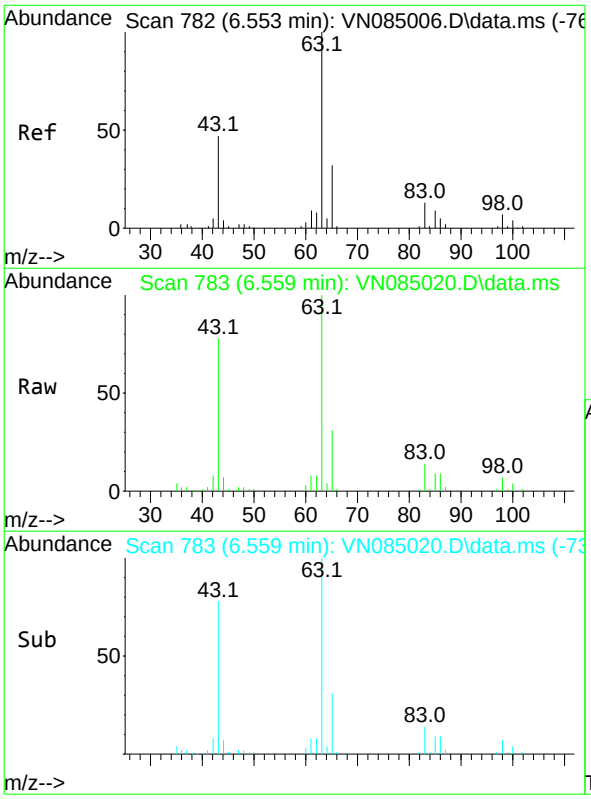
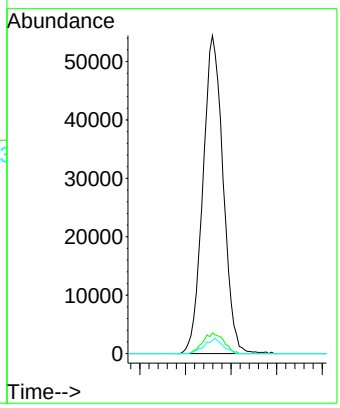
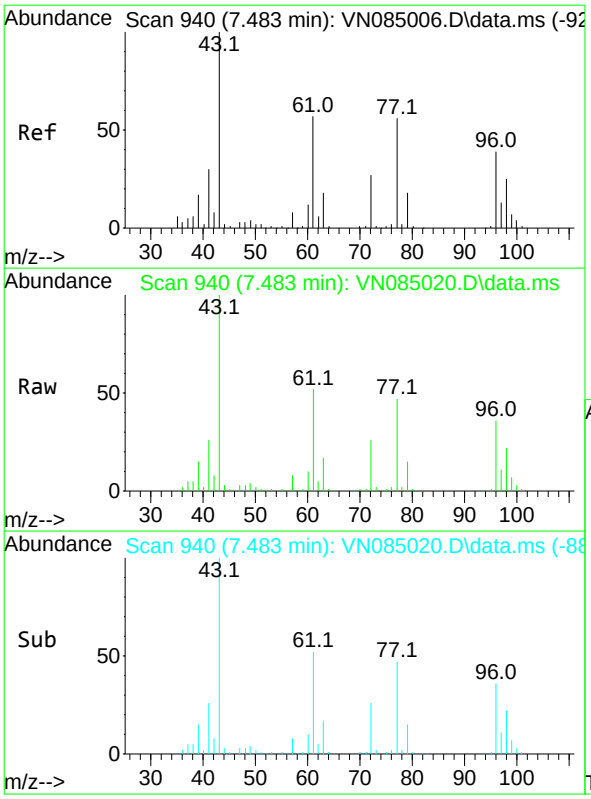


#24
1,1-Dichloroethane
Concen: 46.934 ug/l
RT: 6.559 min Scan# 783
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 63 Resp: 167707

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.3	9.8
100	4.2	2.2	6.6

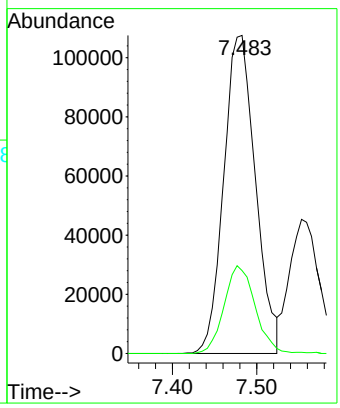




#25
2-Butanone
Concen: 250.342 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 43 Resp: 281528

Ion	Ratio	Lower	Upper
43	100		
72	26.1	21.4	32.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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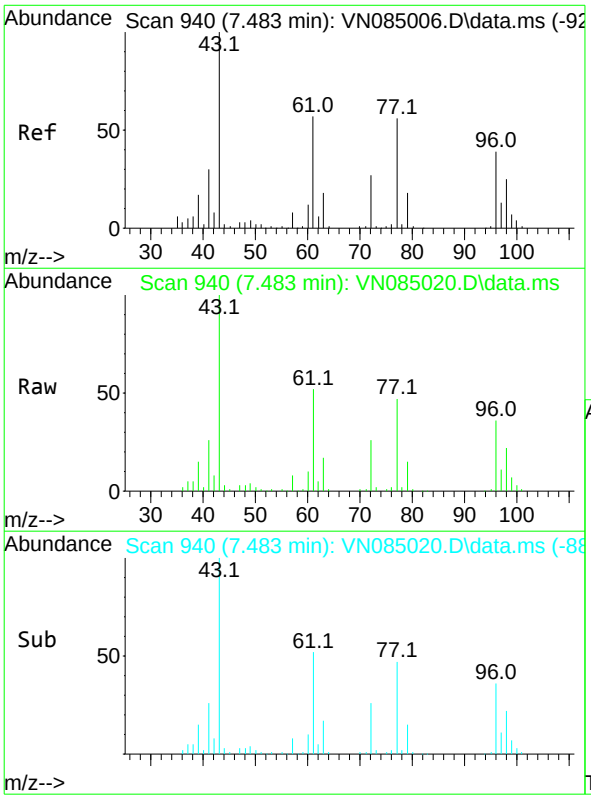
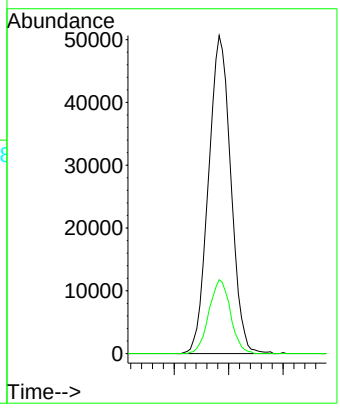
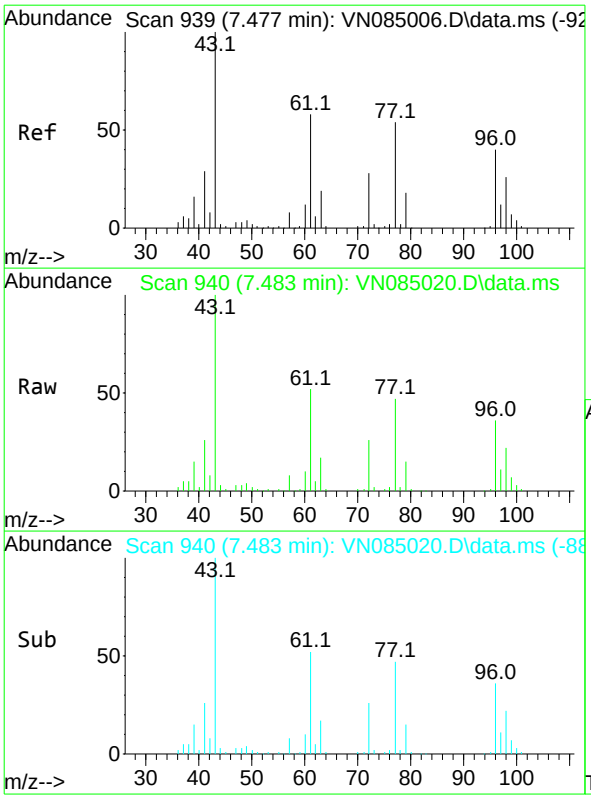


#26
2,2-Dichloropropane
Concen: 43.359 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 77 Resp: 144671

Ion	Ratio	Lower	Upper
77	100		
97	22.3	10.9	32.7

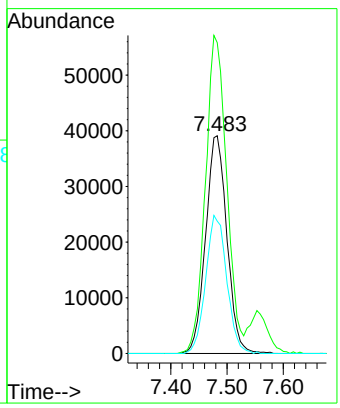




#27
cis-1,2-Dichloroethene
Concen: 46.160 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 96 Resp: 103058

Ion	Ratio	Lower	Upper
96	100		
61	145.6	0.0	291.6
98	62.6	0.0	129.8



Instrument :
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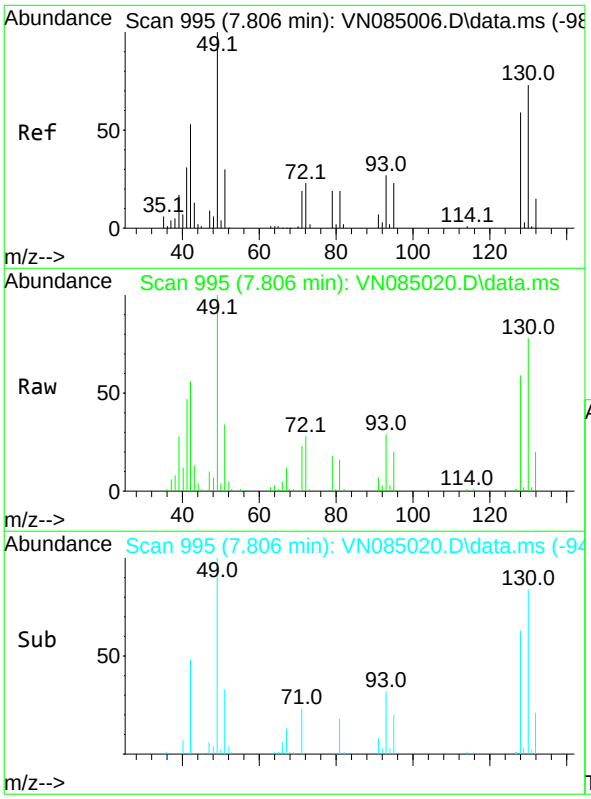
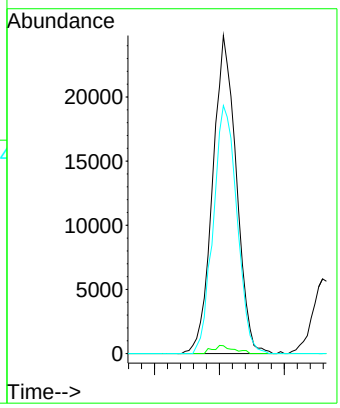
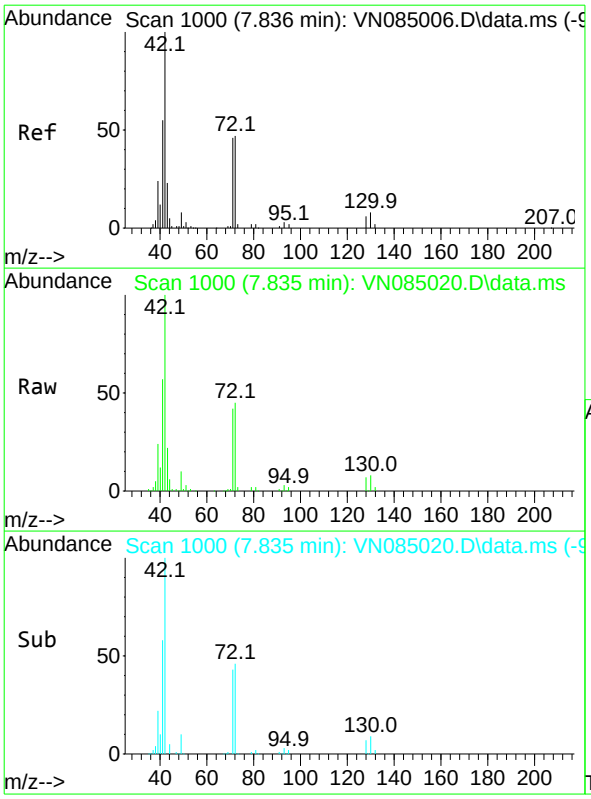


#28
Bromochloromethane
Concen: 46.411 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 49 Resp: 62601

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.0
130	78.2	60.6	90.8

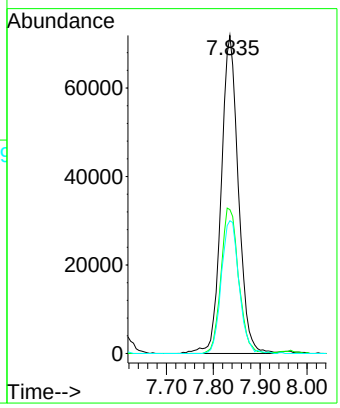




#29
Tetrahydrofuran
Concen: 261.419 ug/l
RT: 7.835 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 42 Resp: 182820

Ion	Ratio	Lower	Upper
42	100		
72	46.7	37.0	55.4
71	43.0	35.0	52.4



Instrument :
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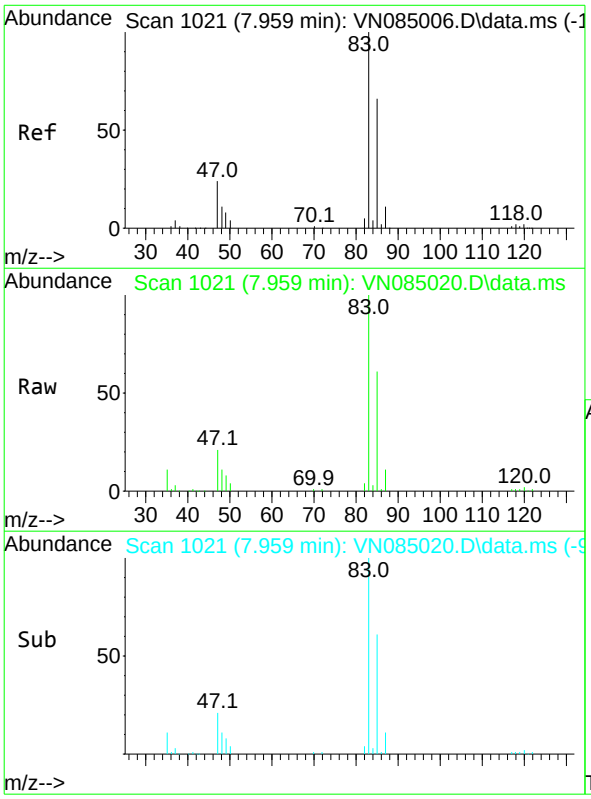
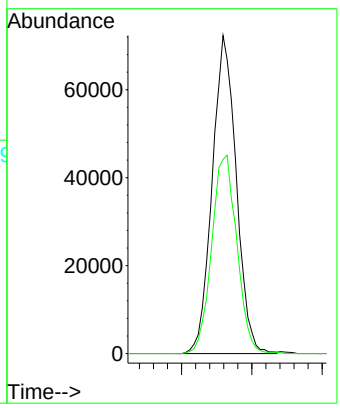
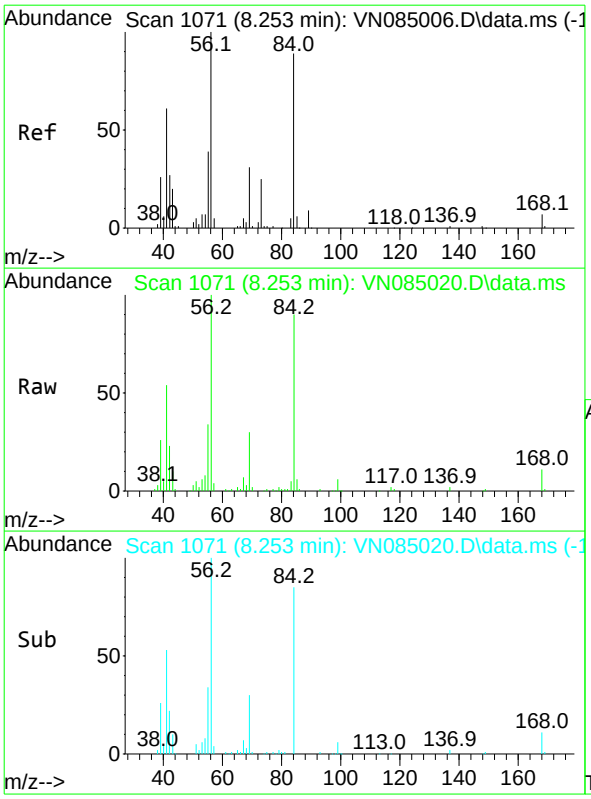


#30
Chloroform
Concen: 45.207 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 83 Resp: 171833

Ion	Ratio	Lower	Upper
83	100		
85	61.0	52.6	78.8

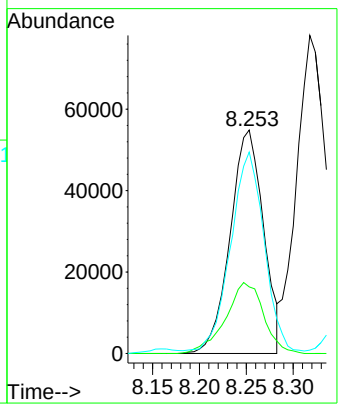




#31
Cyclohexane
Concen: 43.179 ug/l
RT: 8.253 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 56 Resp: 135845

Ion	Ratio	Lower	Upper
56	100		
69	29.8	24.6	36.8
84	88.8	71.4	107.2



Instrument :
MSVOA_N
ClientSampleId :
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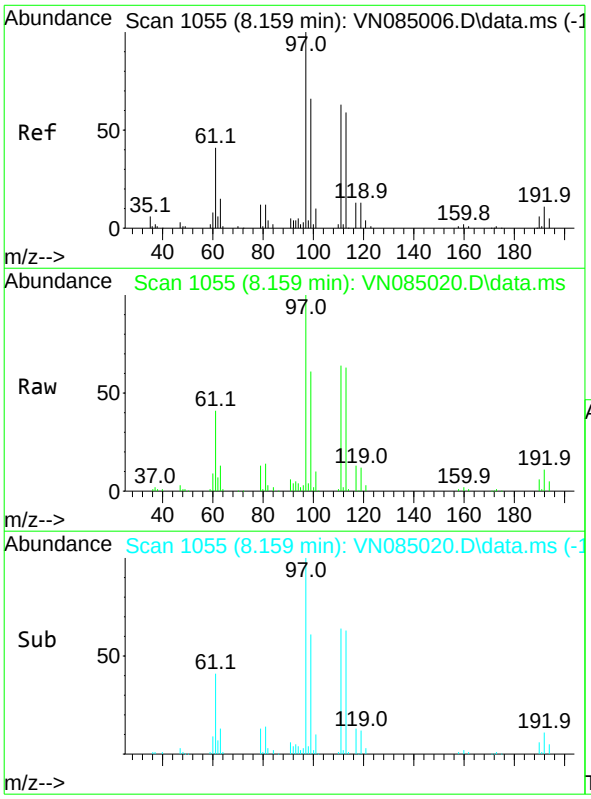
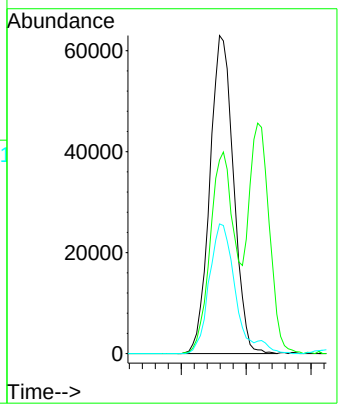
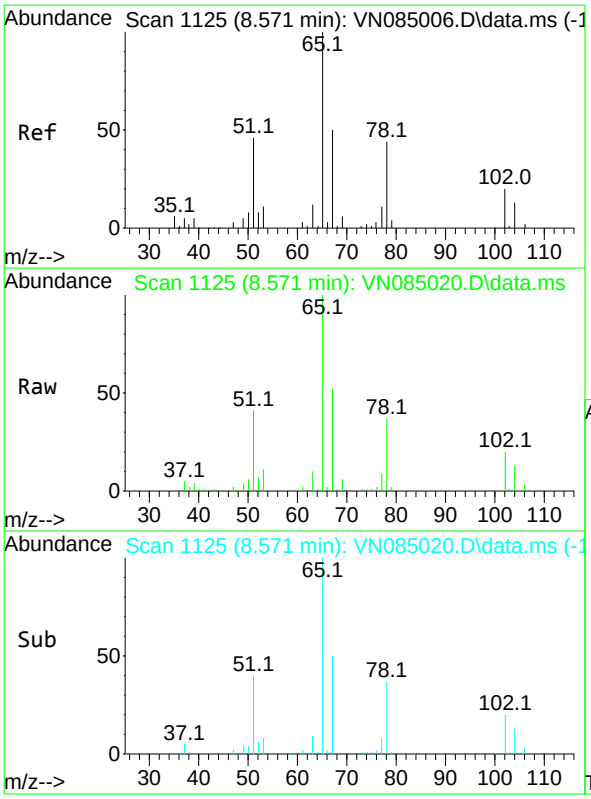


#32
1,1,1-Trichloroethane
Concen: 46.470 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 97 Resp: 159613

Ion	Ratio	Lower	Upper
97	100		
99	66.3	51.0	76.4
61	42.9	36.2	54.2

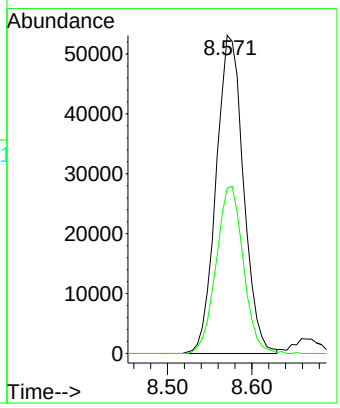




#33
1,2-Dichloroethane-d4
Concen: 50.590 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 65 Resp: 119484

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	105.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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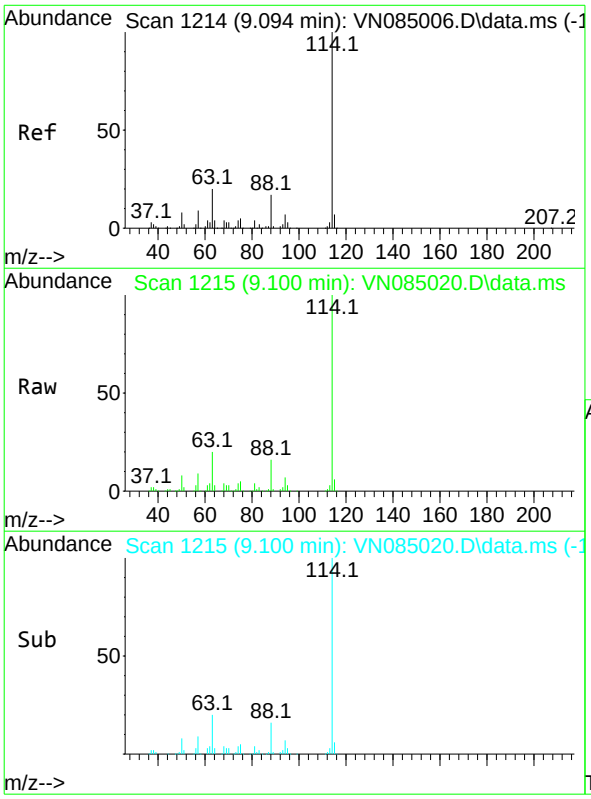
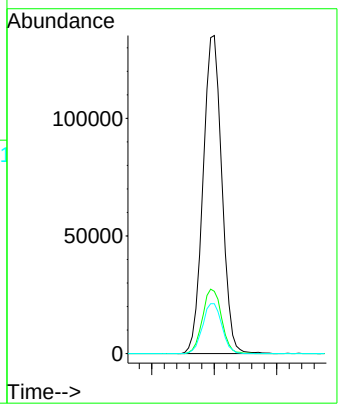
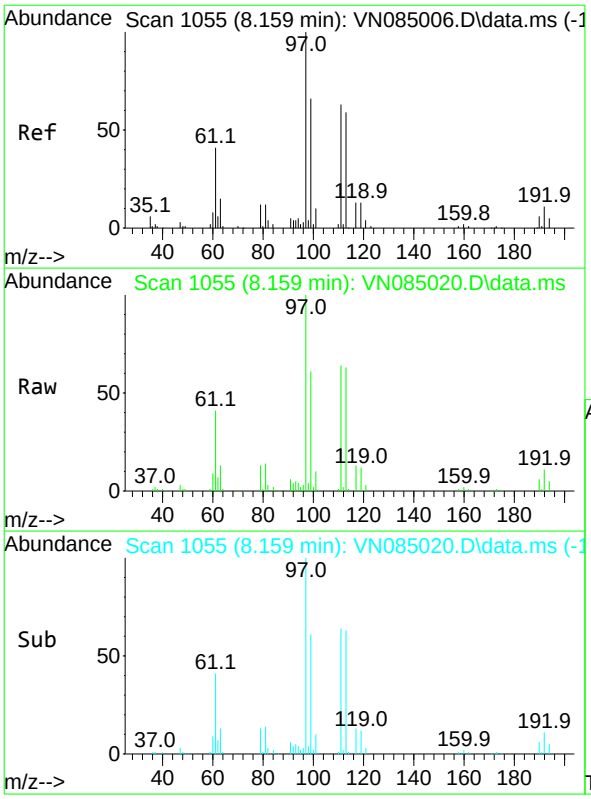


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:114 Resp: 282273

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	41.0
88	15.7	0.0	34.8

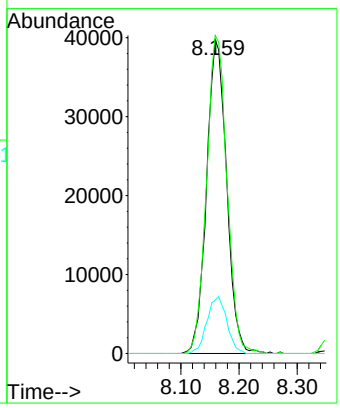




#35
Dibromofluoromethane
Concen: 49.940 ug/l
RT: 8.159 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:113 Resp: 95064

Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.0	123.0
192	18.0	14.8	22.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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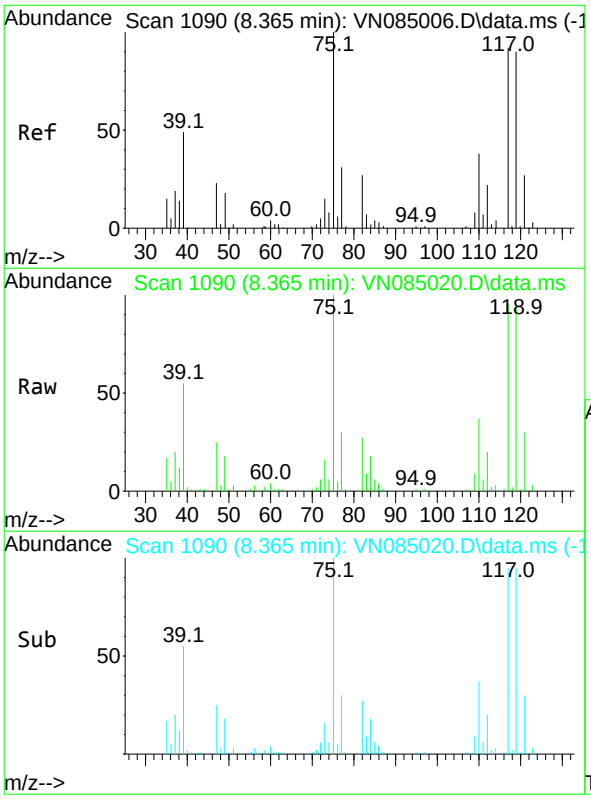
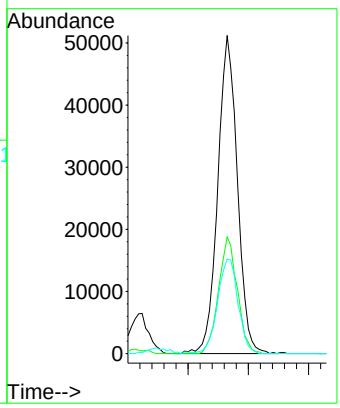
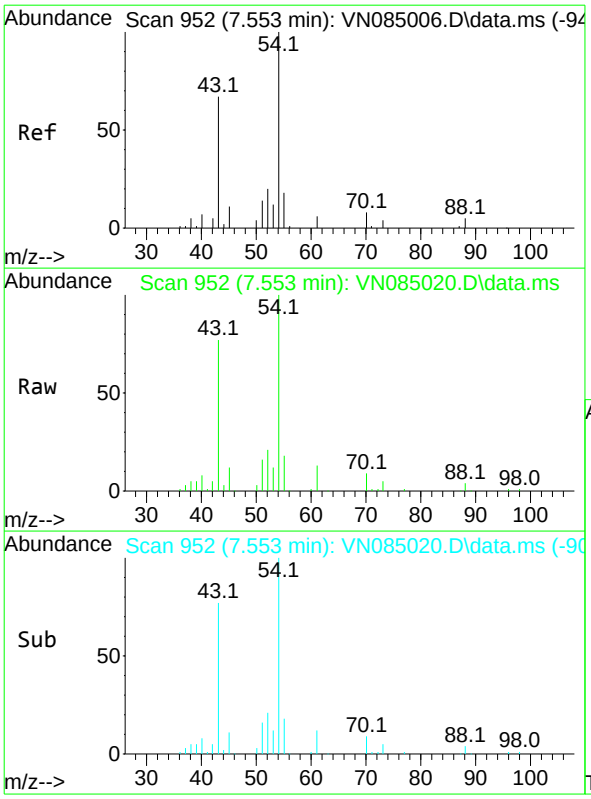


#36
1,1-Dichloropropene
Concen: 44.814 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 75 Resp: 115546

Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.2	51.6
77	31.1	24.2	36.4

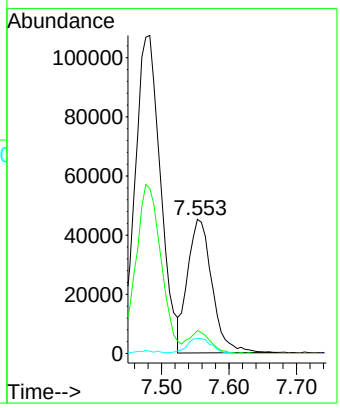




#37
Ethyl Acetate
Concen: 48.460 ug/l
RT: 7.553 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 43 Resp: 113589

Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.7	17.5
70	11.4	9.3	13.9



Instrument :
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ClientSampleId :
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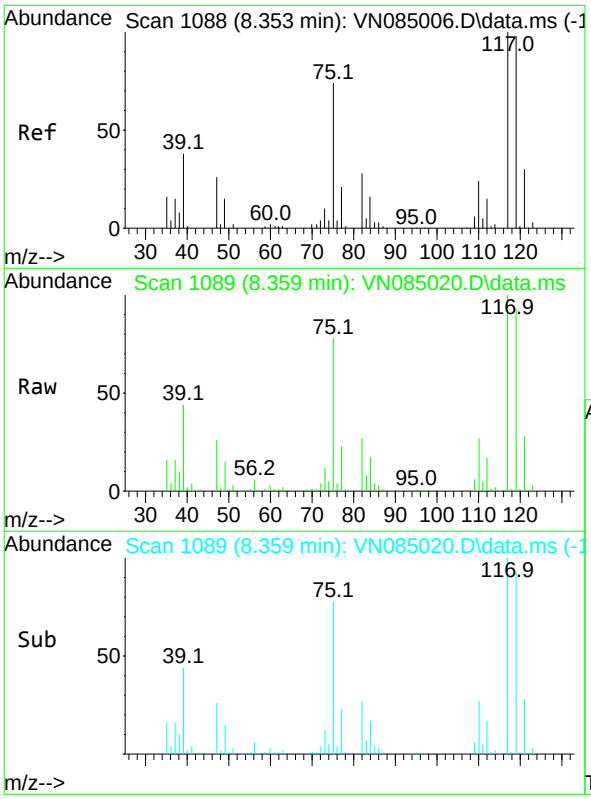
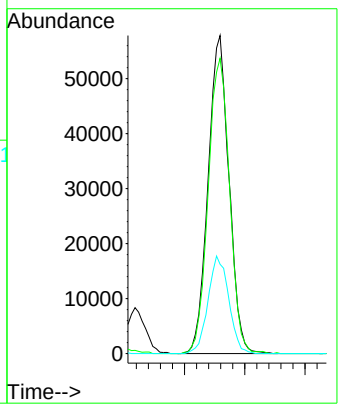
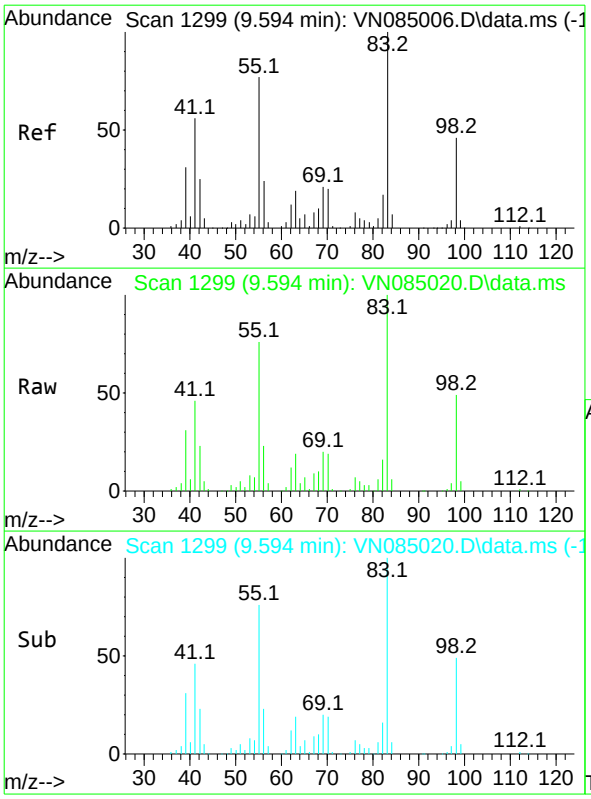


#38
Carbon Tetrachloride
Concen: 46.837 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:117 Resp: 139395

Ion	Ratio	Lower	Upper
117	100		
119	92.8	78.6	117.8
121	28.1	24.2	36.2

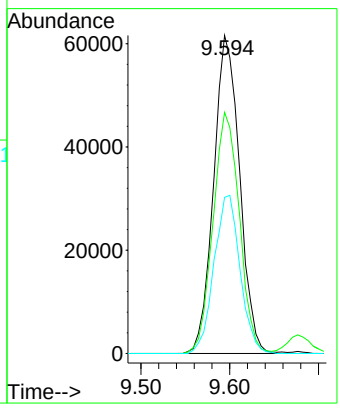




#39
Methylcyclohexane
Concen: 46.725 ug/l
RT: 9.594 min Scan# 12
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 83 Resp: 125188

Ion	Ratio	Lower	Upper
83	100		
55	75.8	61.8	92.6
98	49.1	37.0	55.6



Instrument :
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ClientSampleId :
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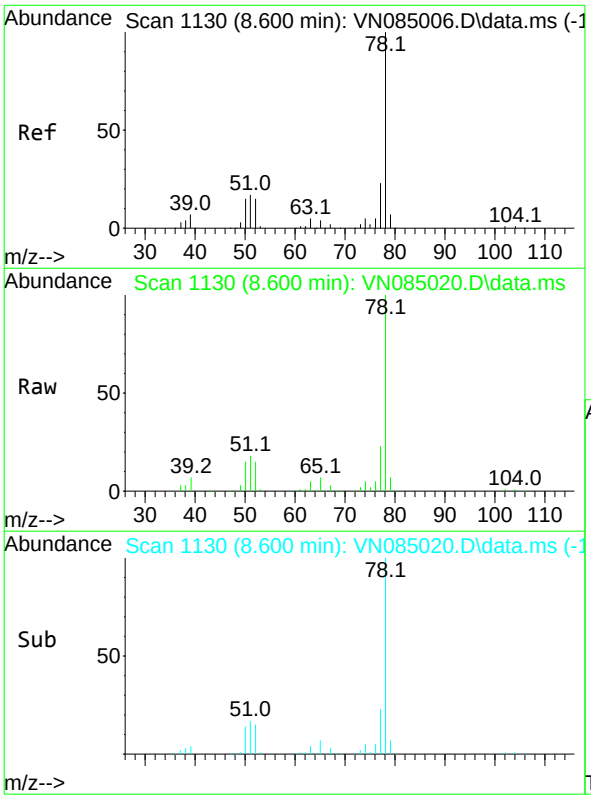
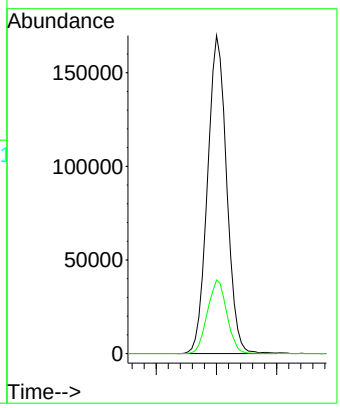
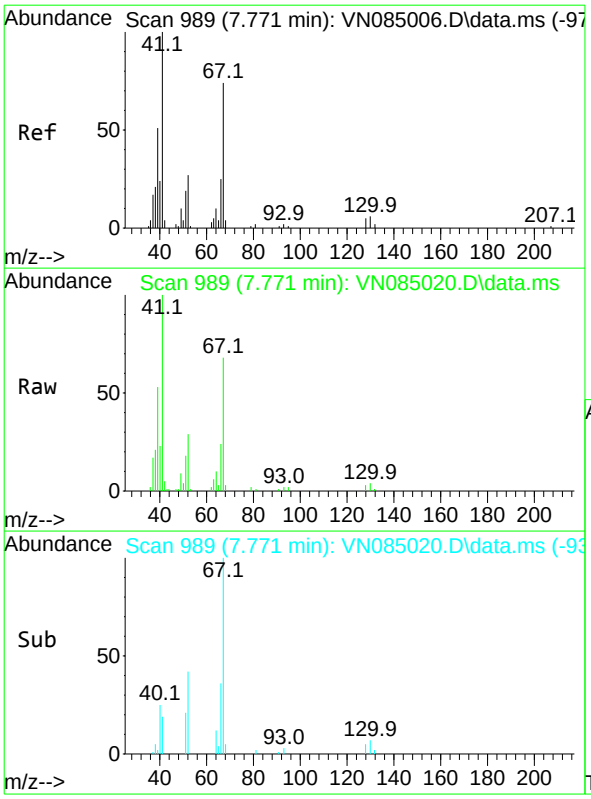


#40
Benzene
Concen: 46.008 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 78 Resp: 375189

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.5	27.7

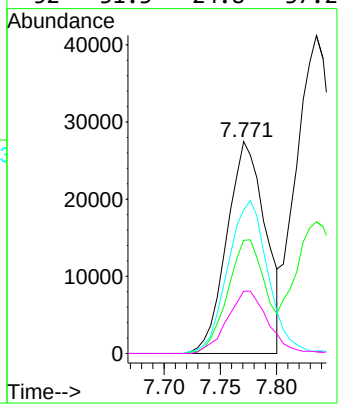




#41
Methacrylonitrile
Concen: 50.558 ug/l
RT: 7.771 min Scan# 98
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 41 Resp: 65615

Ion	Ratio	Lower	Upper
41	100		
39	52.8	42.6	63.8
67	75.3	59.9	89.9
52	31.3	24.8	37.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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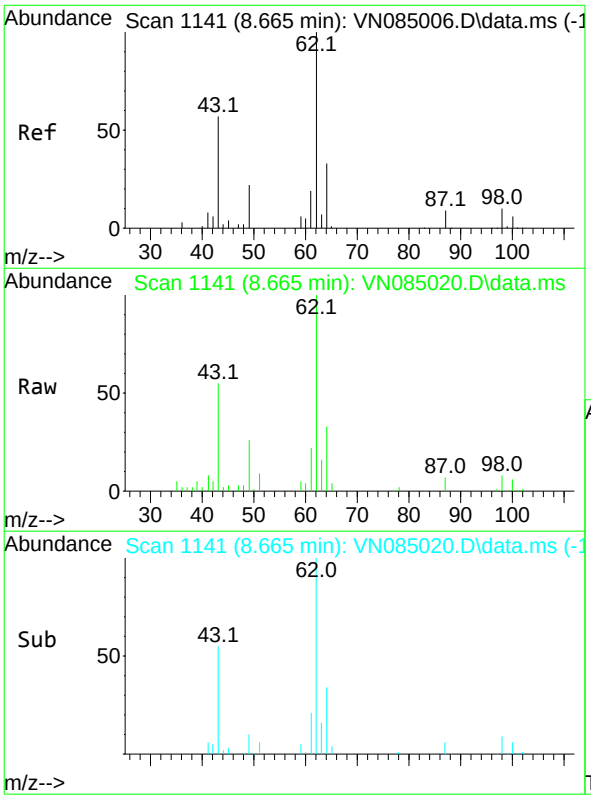
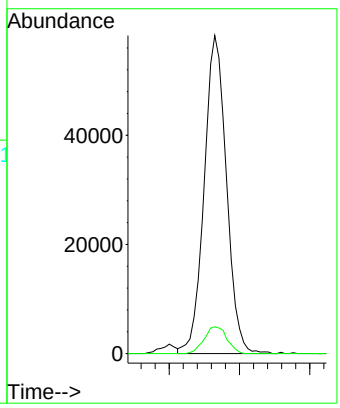
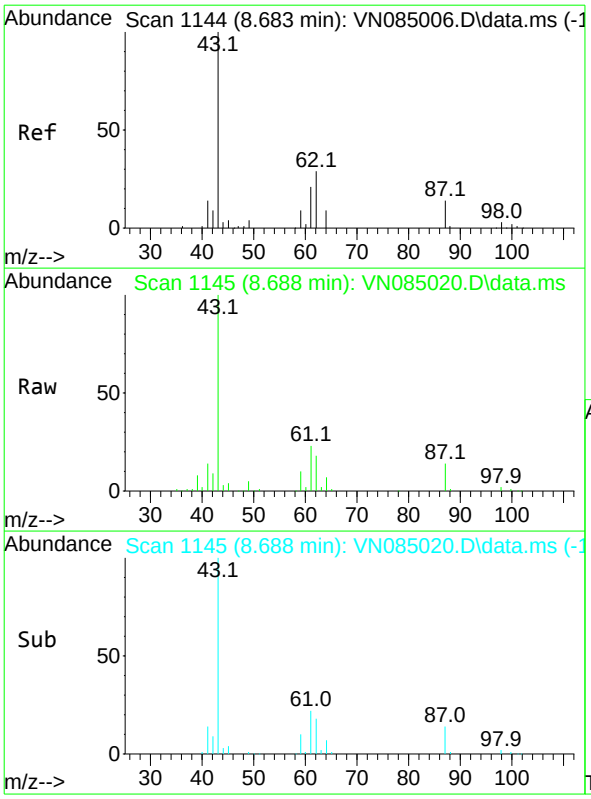


#42
1,2-Dichloroethane
Concen: 46.006 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 62 Resp: 128351

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.2

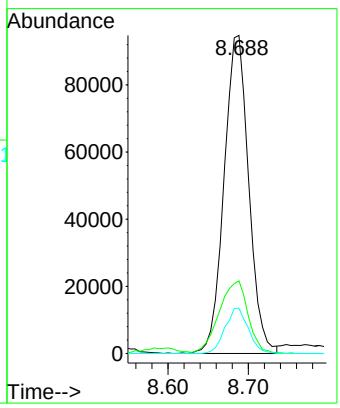




#43
Isopropyl Acetate
Concen: 41.566 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 43 Resp: 202380

Ion	Ratio	Lower	Upper
43	100		
61	26.8	20.6	30.8
87	13.4	11.0	16.4



Instrument :
MSVOA_N
ClientSampleId :
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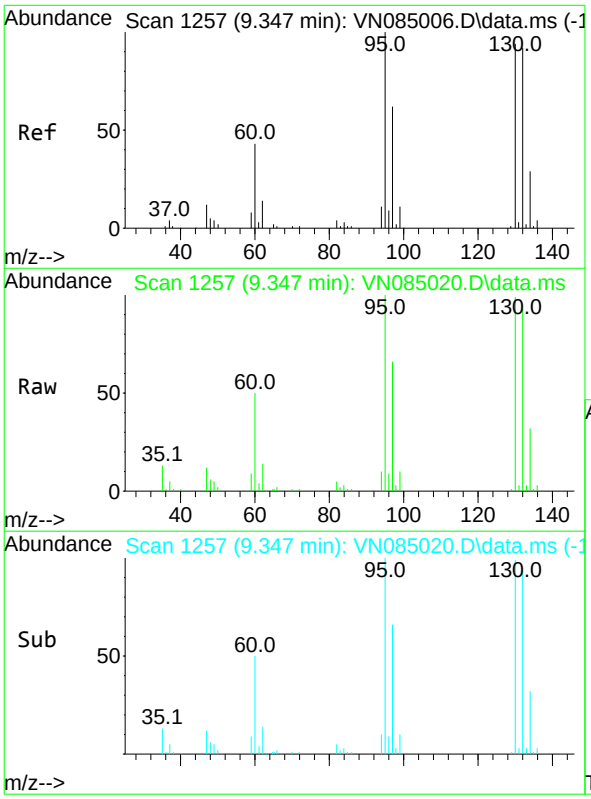
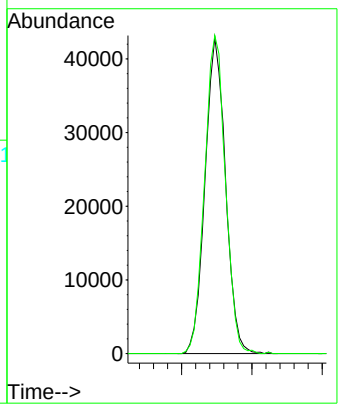
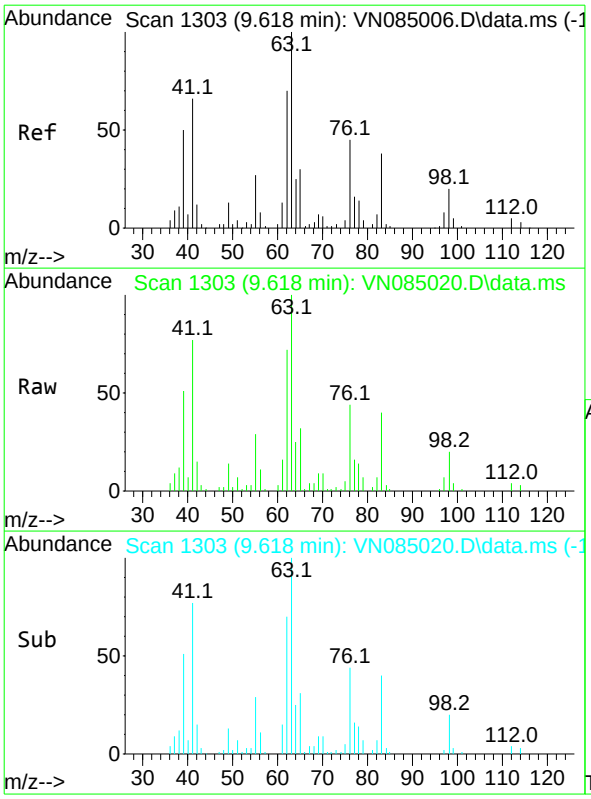


#44
Trichloroethene
Concen: 45.825 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:130 Resp: 86845

Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	213.4

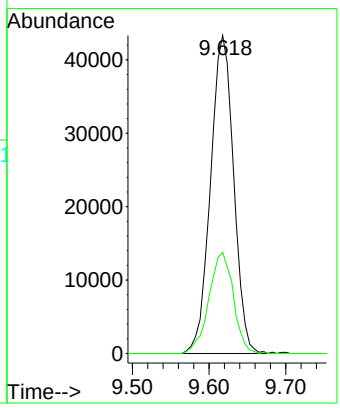




#45
1,2-Dichloropropane
Concen: 45.168 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 63 Resp: 90723

Ion	Ratio	Lower	Upper
63	100		
65	31.8	24.0	36.0



Instrument :
MSVOA_N
ClientSampleId :
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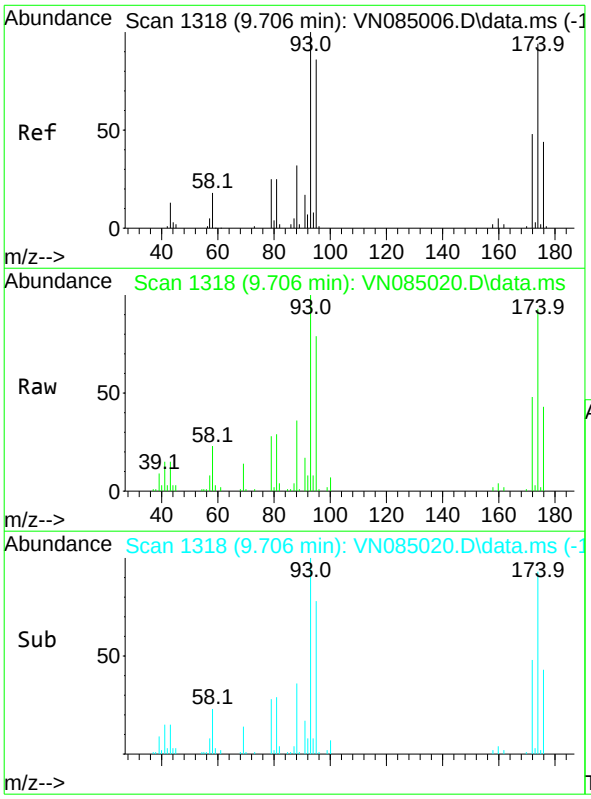
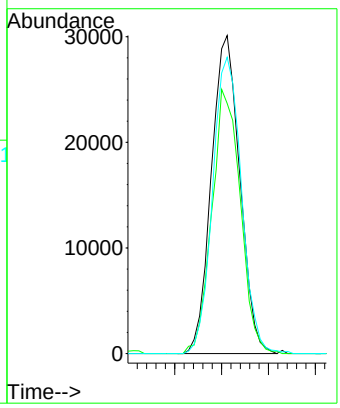
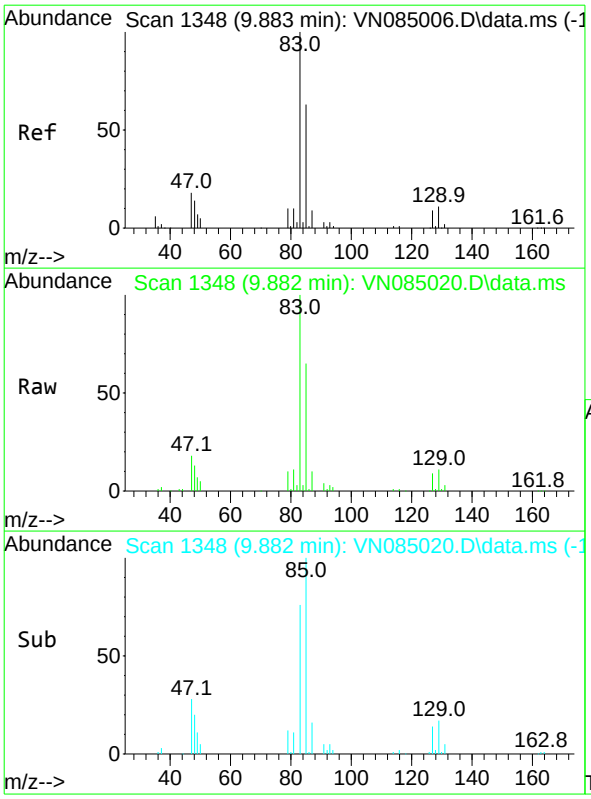


#46
Dibromomethane
Concen: 45.429 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 93 Resp: 63403

Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.2	99.4
174	94.2	74.9	112.3

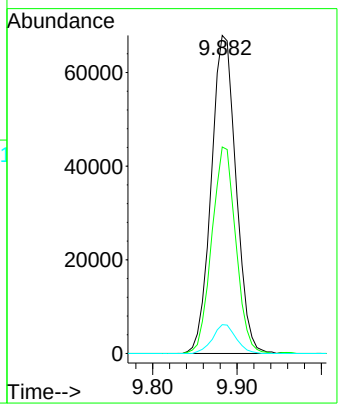




#47
Bromodichloromethane
Concen: 46.825 ug/l
RT: 9.882 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 83 Resp: 138510

Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.5	75.7
127	9.1	7.1	10.7



Instrument :
MSVOA_N
ClientSampleId :
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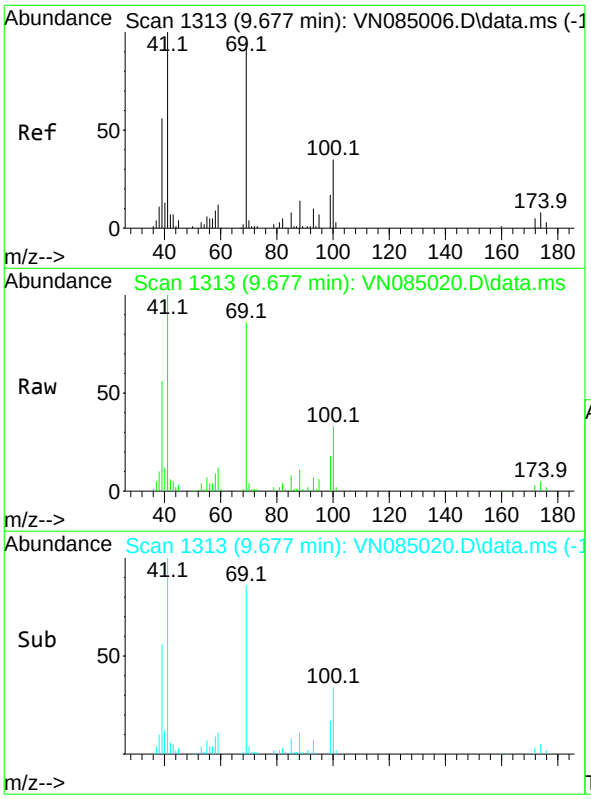
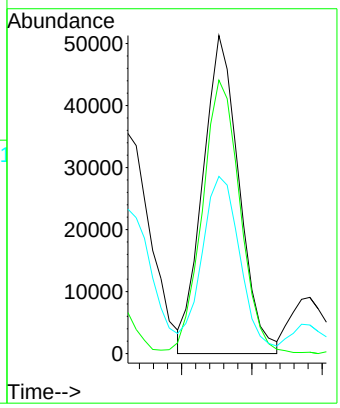
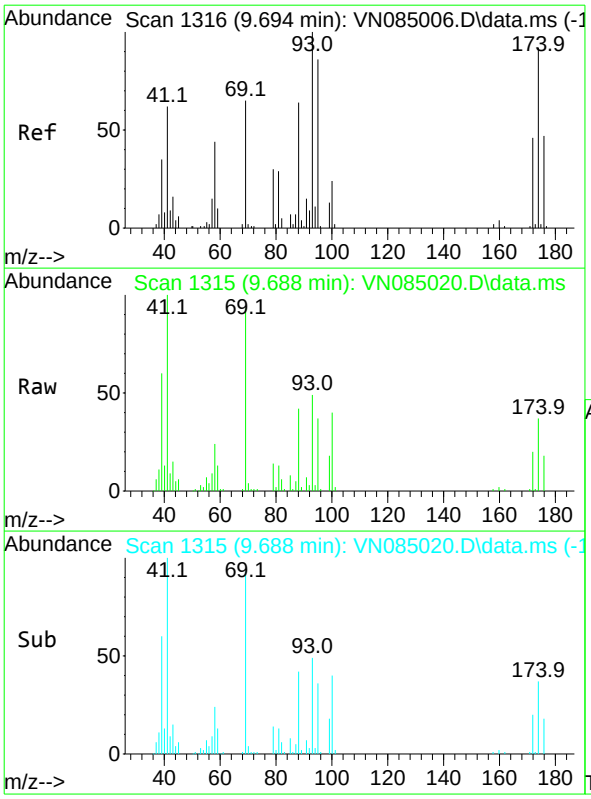


#48
Methyl methacrylate
Concen: 50.901 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 41 Resp: 92223

Ion	Ratio	Lower	Upper
41	100		
69	89.4	73.2	109.8
39	59.1	46.2	69.4





#49
1,4-Dioxane
Concen: 966.160 ug/l
RT: 9.688 min Scan# 13
Delta R.T. -0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 88 Resp: 30357

Ion	Ratio	Lower	Upper
88	100		
43	0.0	16.7	25.1#
58	73.0	56.5	84.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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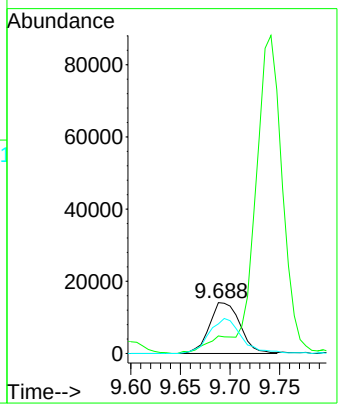
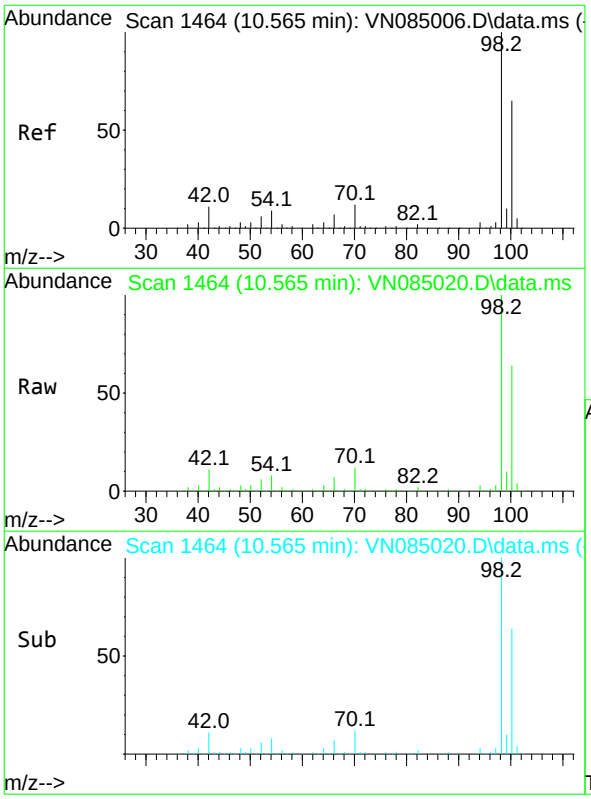
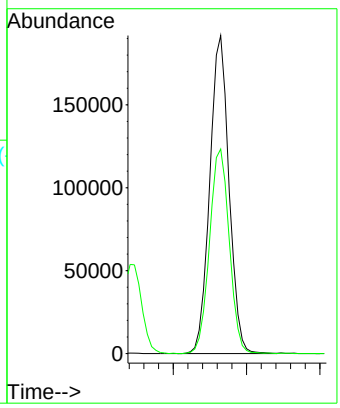


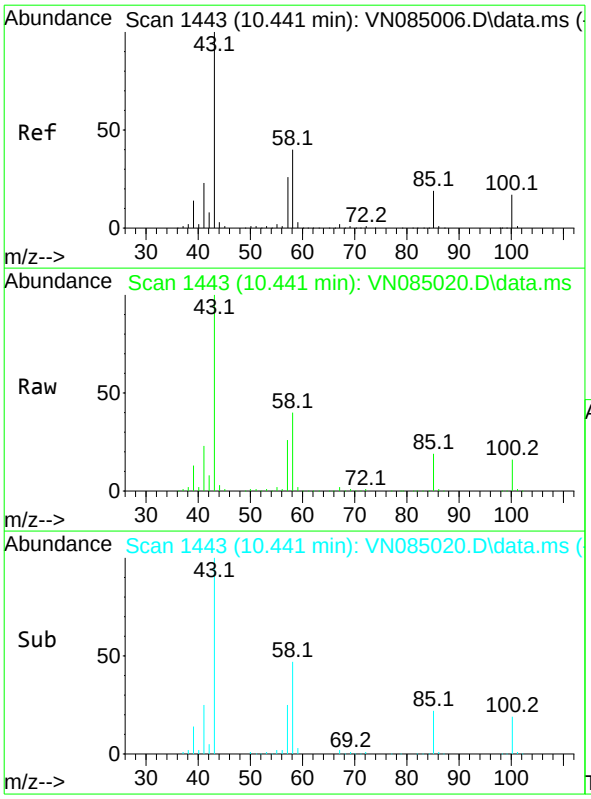


#50
Toluene-d8
Concen: 51.146 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 98 Resp: 348915

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.5	78.7

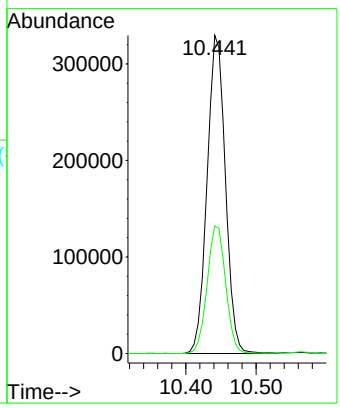




#51
4-Methyl-2-Pentanone
Concen: 268.135 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 43 Resp: 596300

Ion	Ratio	Lower	Upper
43	100		
58	40.6	32.1	48.1



Instrument :
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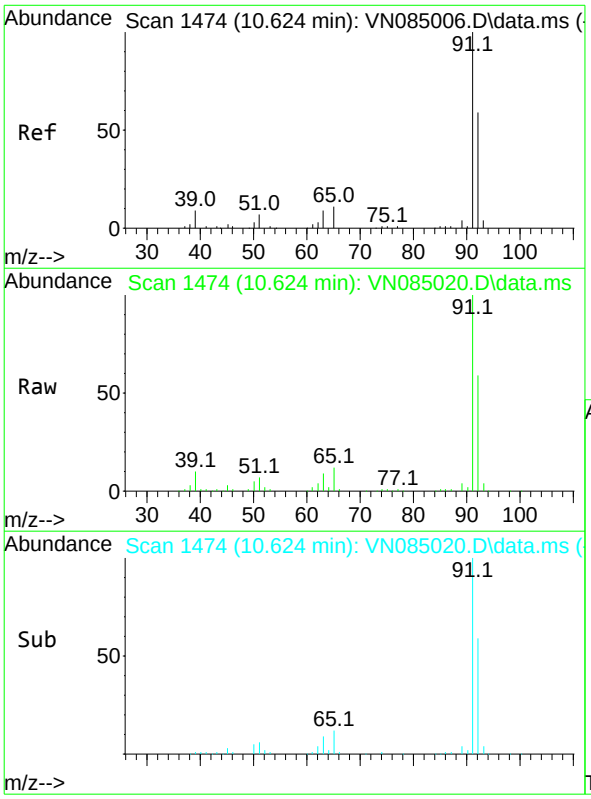
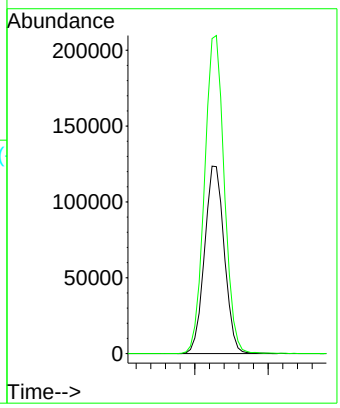
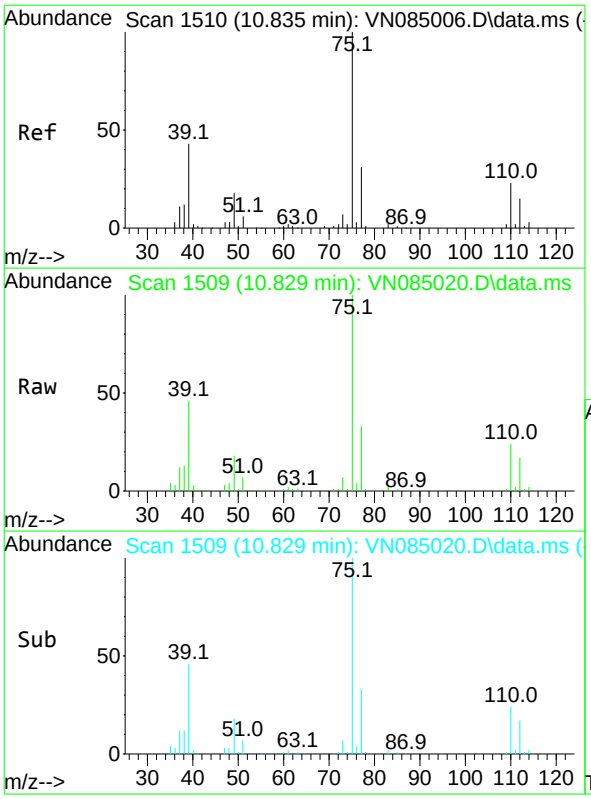


#52
Toluene
Concen: 47.864 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 92 Resp: 231070

Ion	Ratio	Lower	Upper
92	100		
91	169.8	136.7	205.1

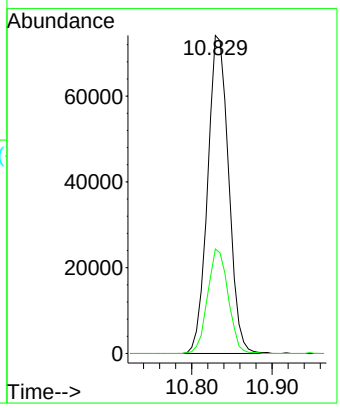




#53
t-1,3-Dichloropropene
Concen: 45.368 ug/l
RT: 10.829 min Scan# 15
Delta R.T. -0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 75 Resp: 134544

Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.0	37.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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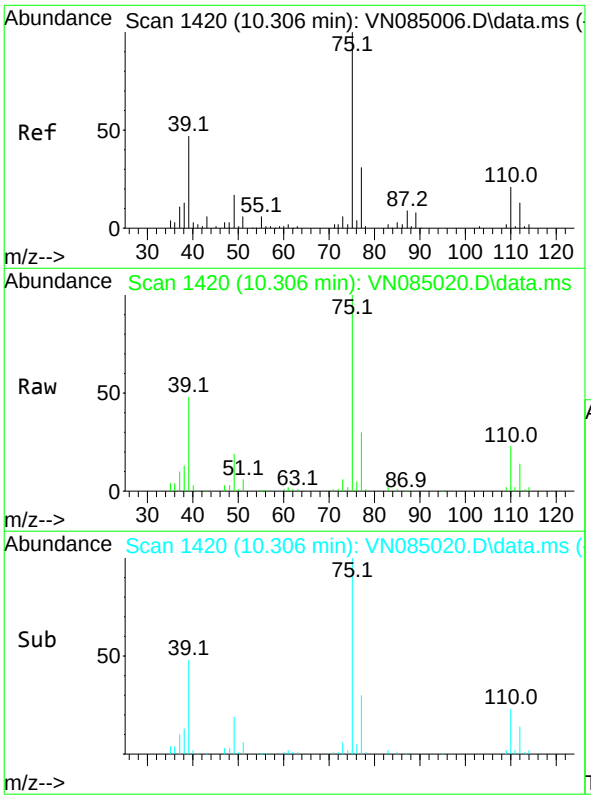
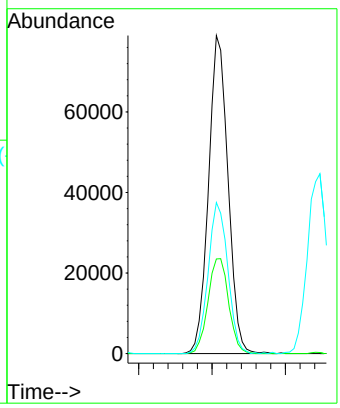
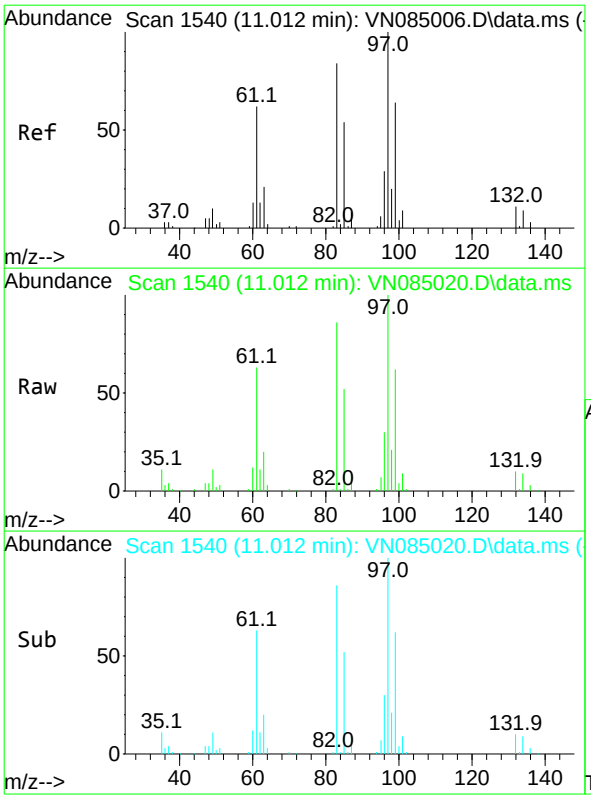


#54
cis-1,3-Dichloropropene
Concen: 46.288 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 75 Resp: 145629

Ion	Ratio	Lower	Upper
75	100		
77	29.8	25.0	37.4
39	47.5	37.6	56.4

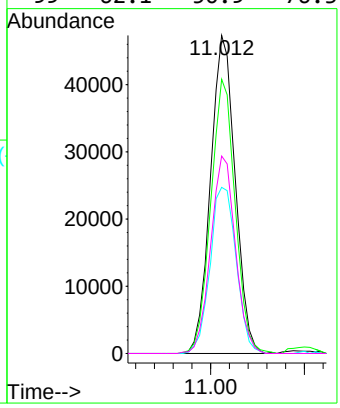




#55
1,1,2-Trichloroethane
Concen: 48.013 ug/l
RT: 11.012 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 97 Resp: 86336

Ion	Ratio	Lower	Upper
97	100		
83	86.2	67.4	101.2
85	52.2	43.1	64.7
99	62.1	50.9	76.3



Instrument :
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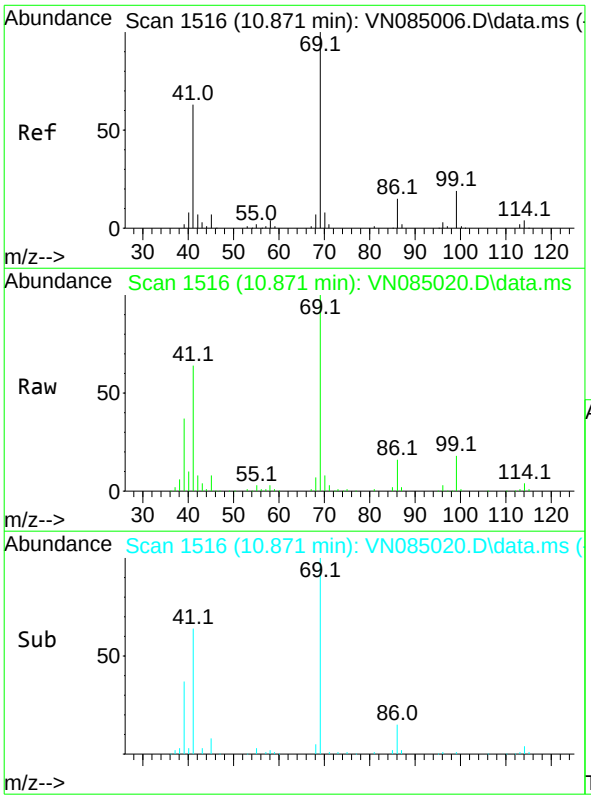
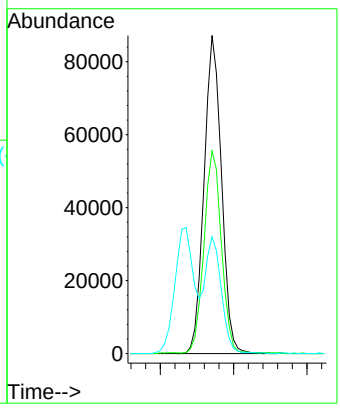
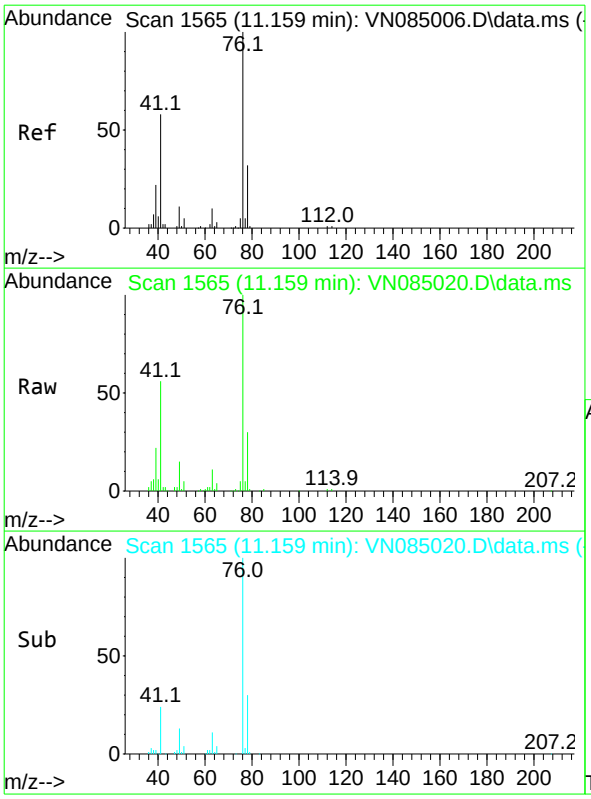


#56
Ethyl methacrylate
Concen: 54.717 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 69 Resp: 143775

Ion	Ratio	Lower	Upper
69	100		
41	63.2	50.0	75.0
39	34.6	27.0	40.6

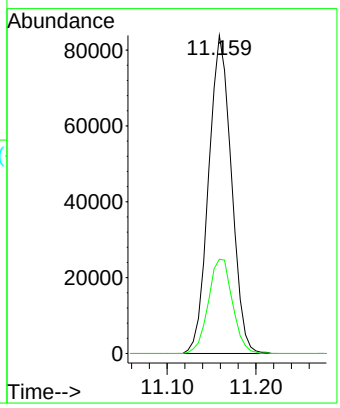




#57
1,3-Dichloropropane
Concen: 47.176 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 76 Resp: 149304

Ion	Ratio	Lower	Upper
76	100		
78	31.4	26.1	39.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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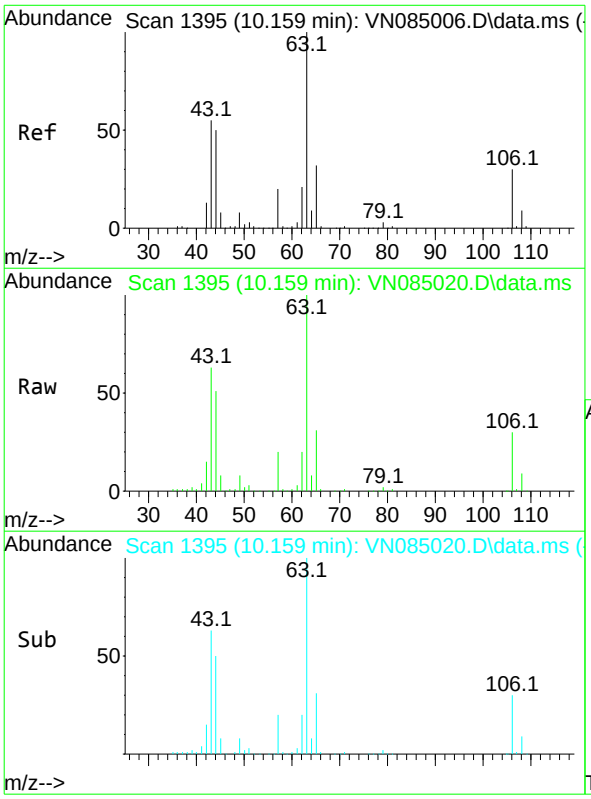
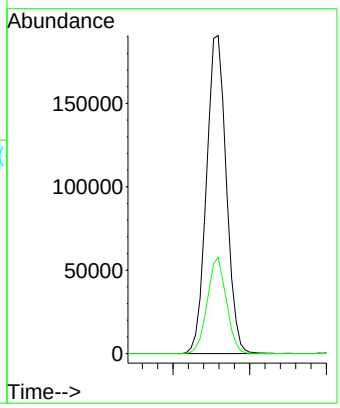
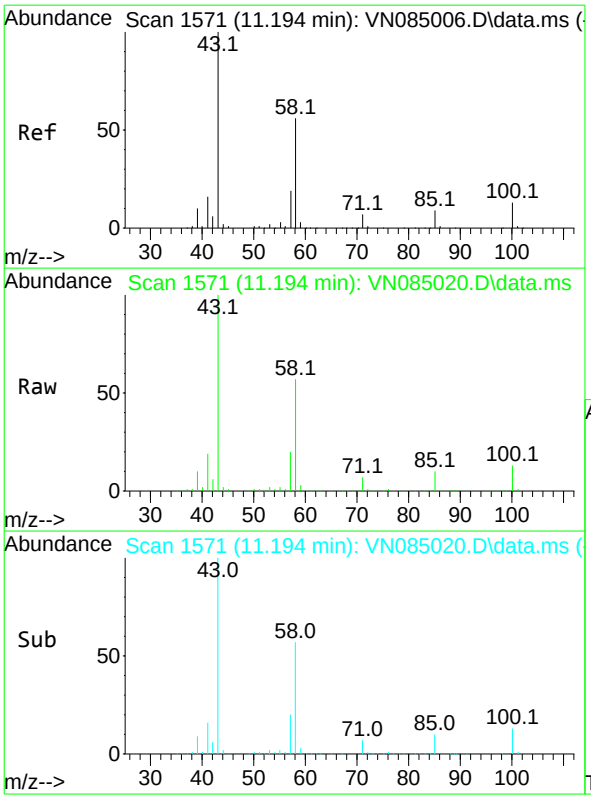


#58
2-Chloroethyl Vinyl ether
Concen: 265.424 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 63 Resp: 342109

Ion	Ratio	Lower	Upper
63	100		
106	29.1	23.0	34.6





#59
2-Hexanone
Concen: 266.432 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 43 Resp: 443144

Ion	Ratio	Lower	Upper
43	100		
58	56.6	28.3	85.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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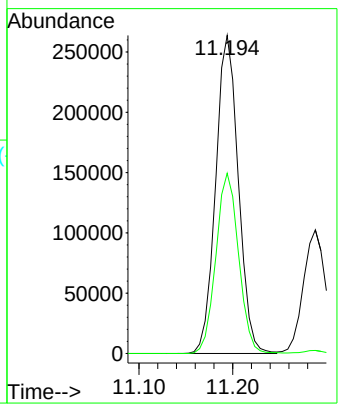
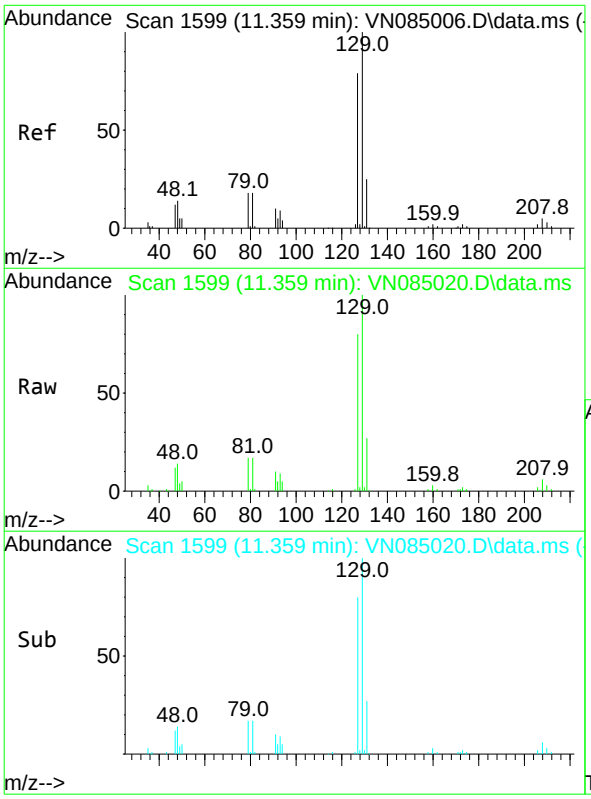
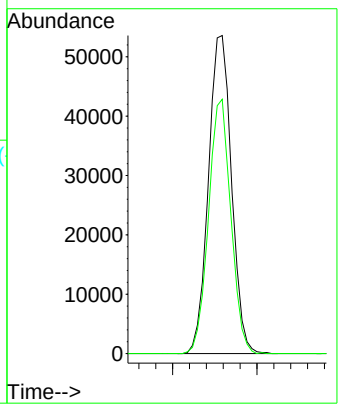


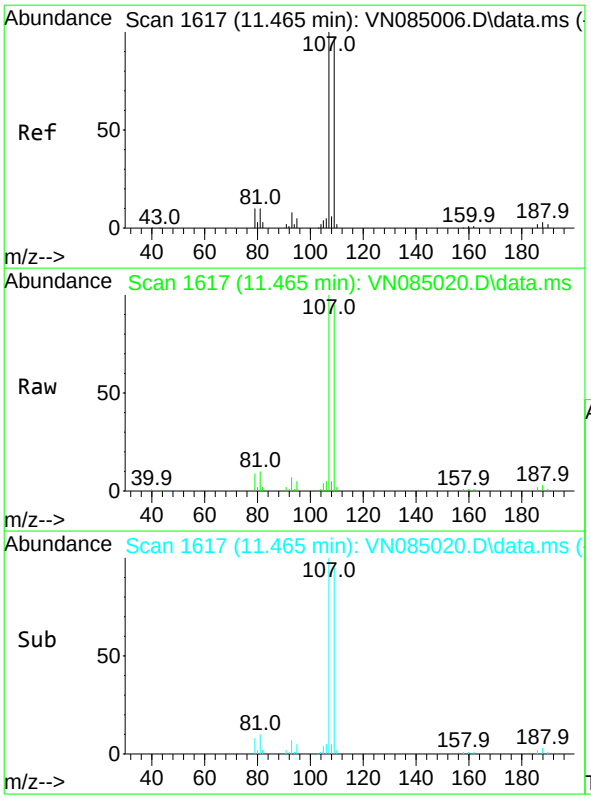


#60
Dibromochloromethane
Concen: 46.342 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:129 Resp: 101844

Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.2	117.6





#61
1,2-Dibromoethane
Concen: 46.652 ug/l
RT: 11.465 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:107 Resp: 86818

Ion	Ratio	Lower	Upper
107	100		
109	95.9	76.1	114.1

Instrument :
MSVOA_N
ClientSampleId :
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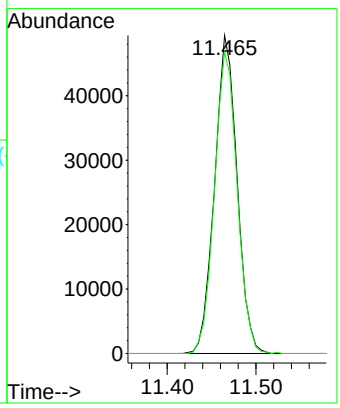
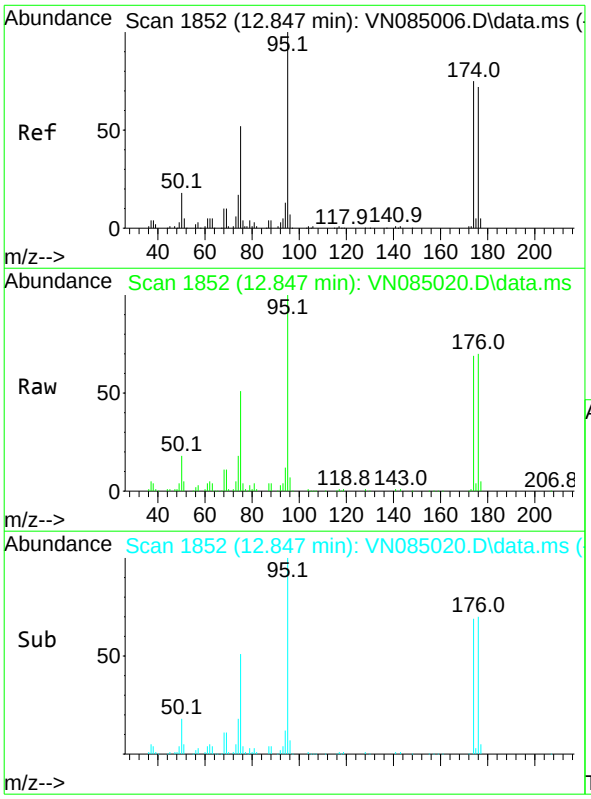
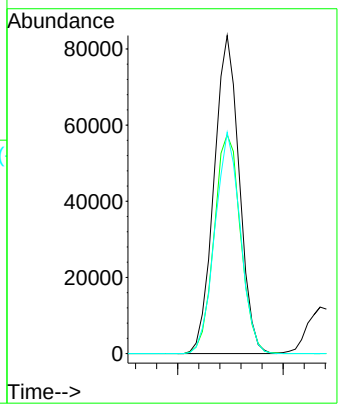


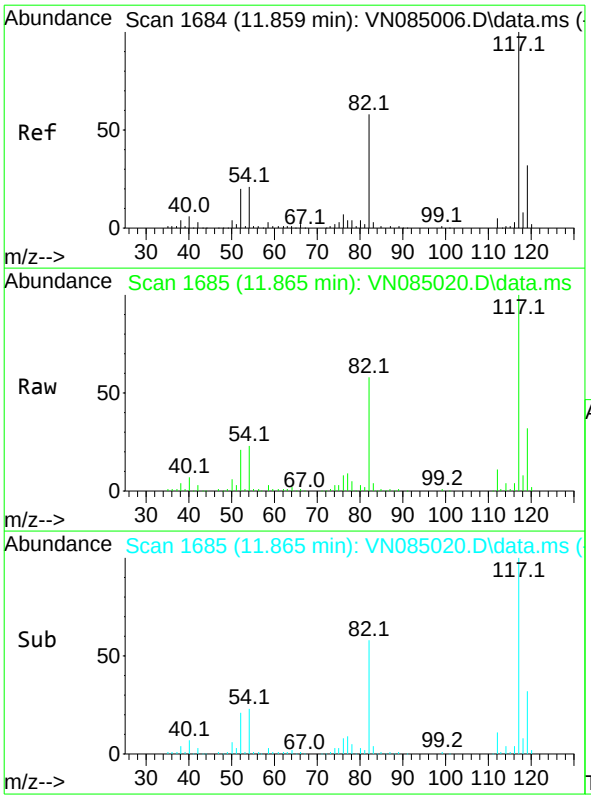


#62
4-Bromofluorobenzene
Concen: 54.436 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 95 Resp: 138876

Ion	Ratio	Lower	Upper
95	100		
174	72.0	0.0	146.6
176	70.2	0.0	141.8

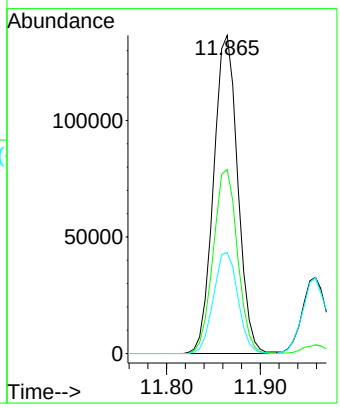




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:117 Resp: 244375

Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.0	69.0
119	31.7	25.6	38.4



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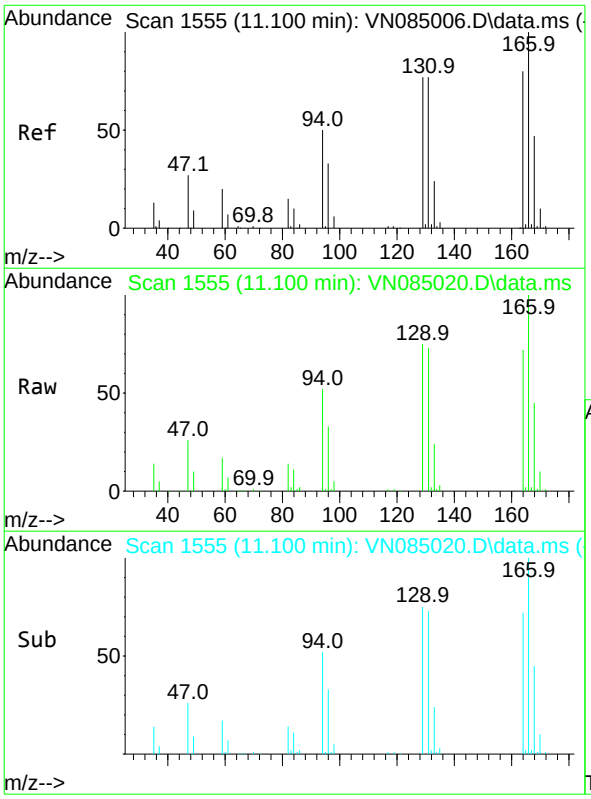
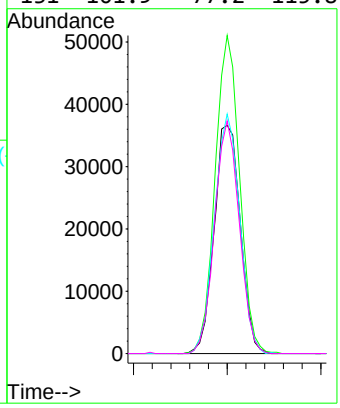
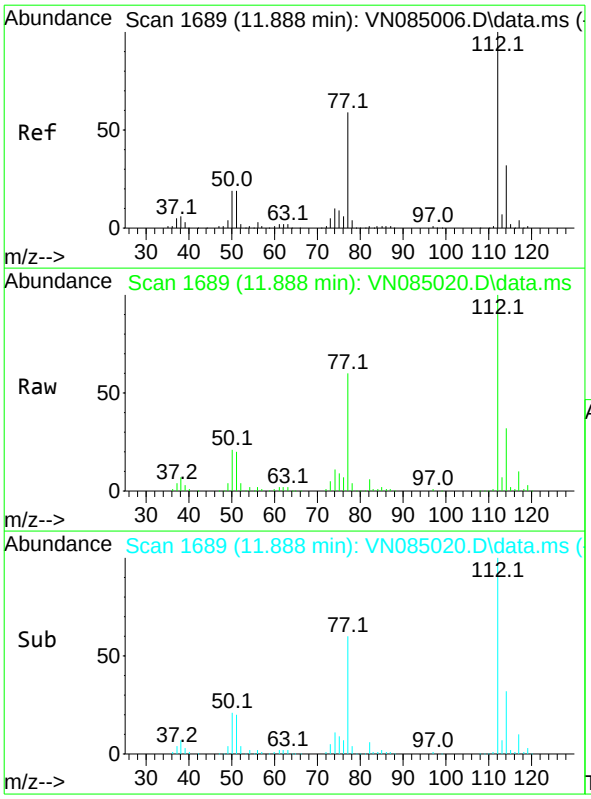


#64
Tetrachloroethene
Concen: 43.303 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:164 Resp: 71306

Ion	Ratio	Lower	Upper
164	100		
166	139.3	100.6	151.0
129	104.9	77.7	116.5
131	101.9	77.2	115.8





#65
Chlorobenzene
Concen: 43.438 ug/l
RT: 11.888 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:112 Resp: 240742

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.8	38.6

Instrument :
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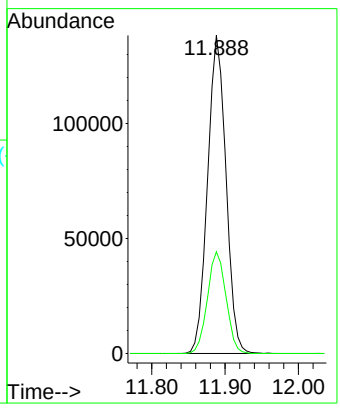
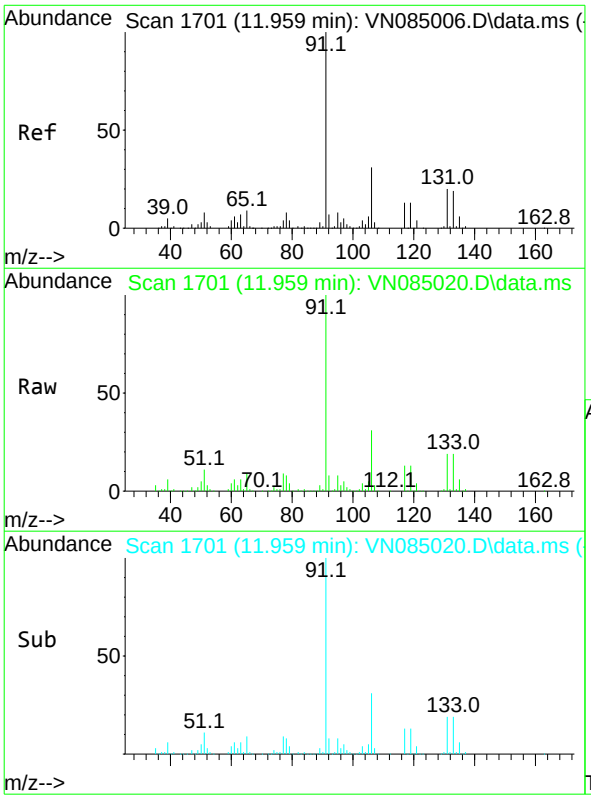
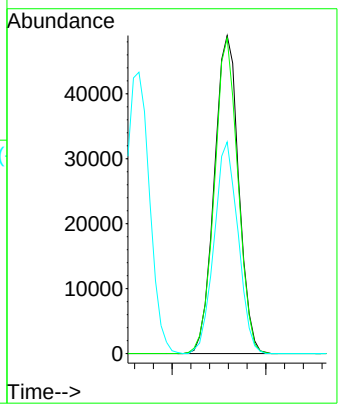


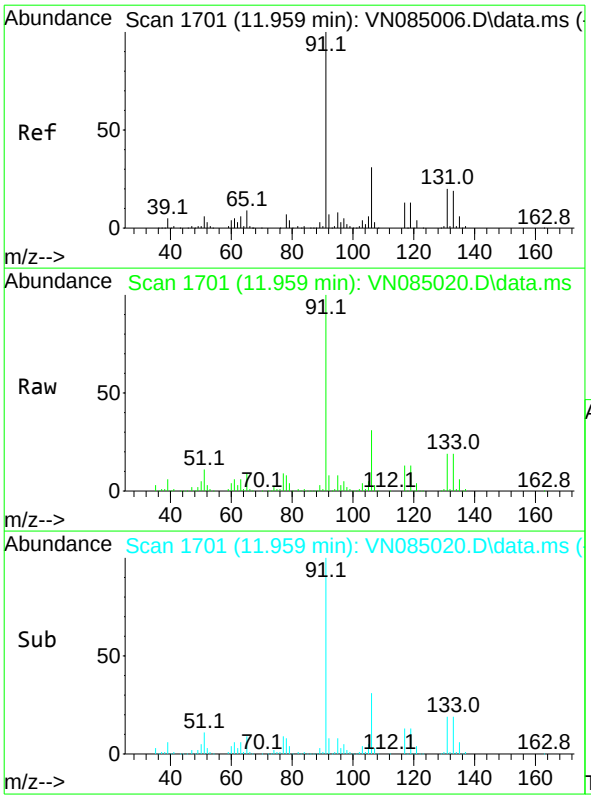


#66
1,1,1,2-Tetrachloroethane
Concen: 45.226 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:131 Resp: 88250

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.8	143.4
119	65.3	32.1	96.3

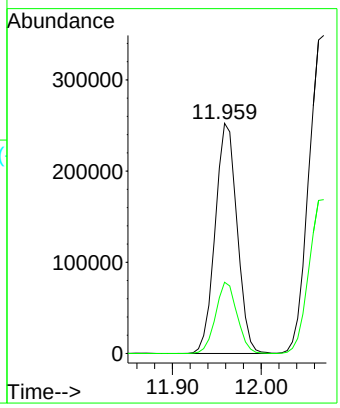




#67
Ethyl Benzene
Concen: 48.195 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 91 Resp: 433345

Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.7	37.1



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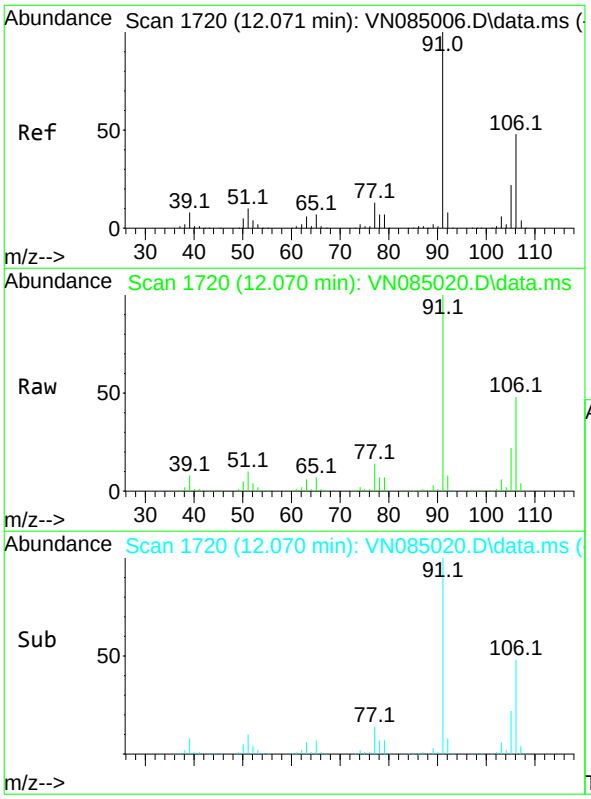
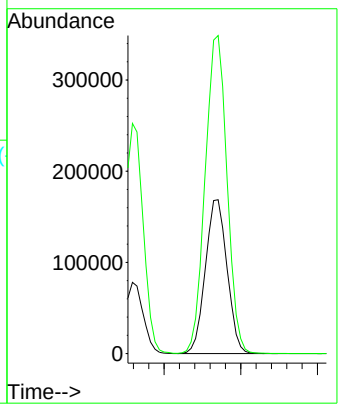
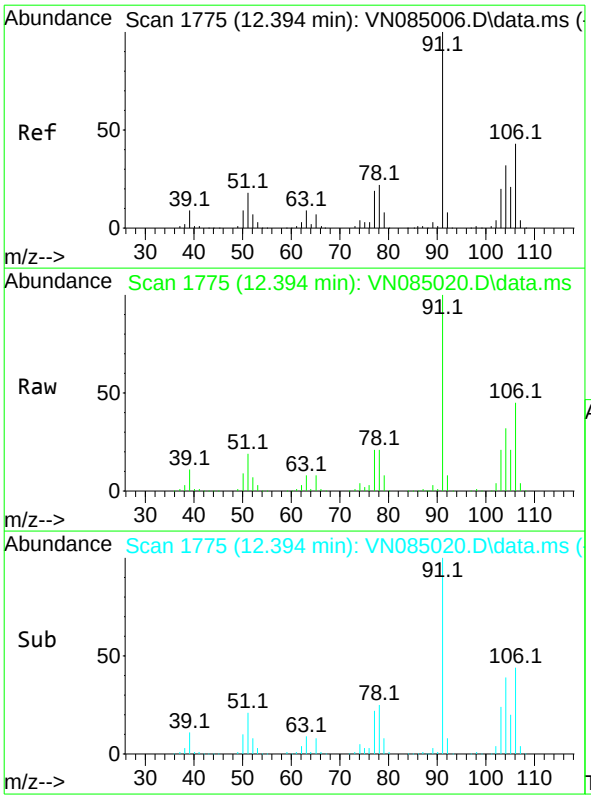


#68
m/p-Xylenes
Concen: 96.880 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:106 Resp: 331642

Ion	Ratio	Lower	Upper
106	100		
91	207.8	168.0	252.0

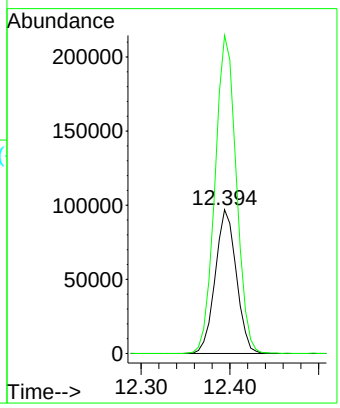




#69
o-Xylene
Concen: 49.101 ug/l
RT: 12.394 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:106 Resp: 159889

Ion	Ratio	Lower	Upper
106	100		
91	223.6	110.7	331.9



Instrument :
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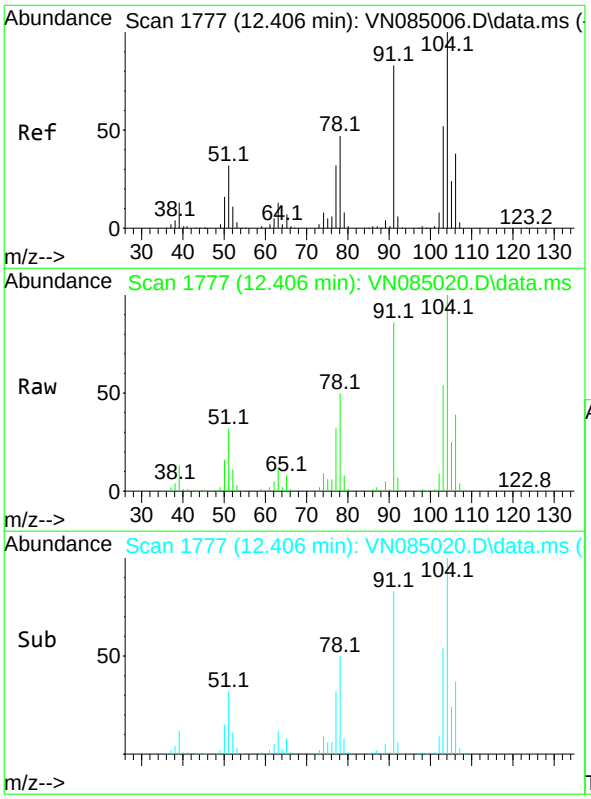
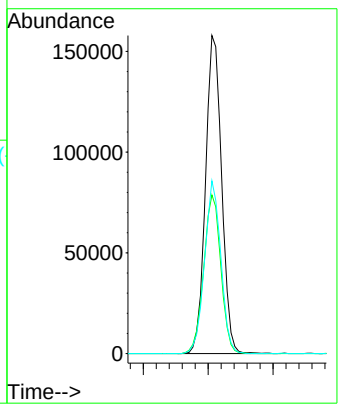
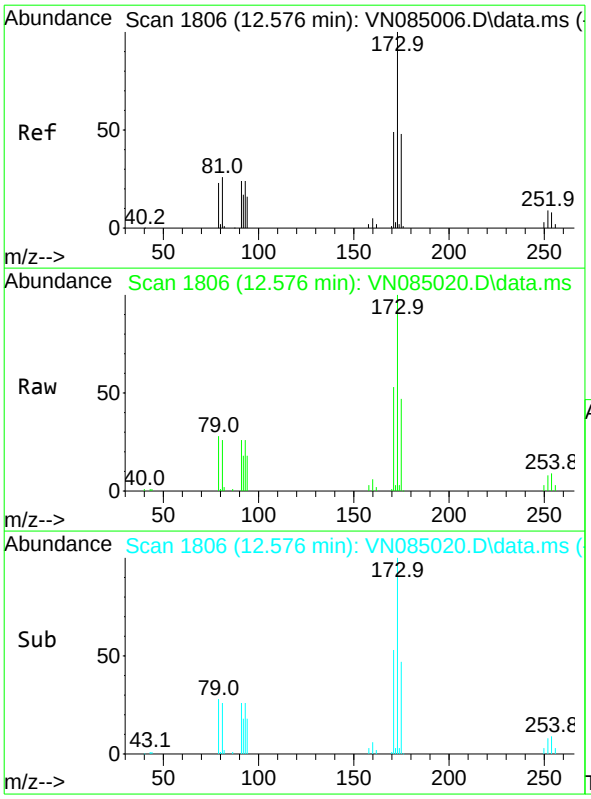


#70
Styrene
Concen: 50.416 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:104 Resp: 273009

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.3	63.5
103	54.7	44.2	66.2





#71
Bromoform
Concen: 49.313 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:173 Resp: 71427

Ion	Ratio	Lower	Upper
173	100		
175	47.1	23.8	71.2
254	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :
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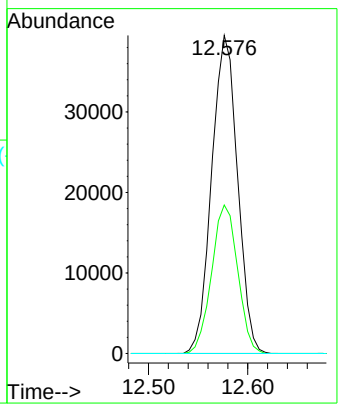
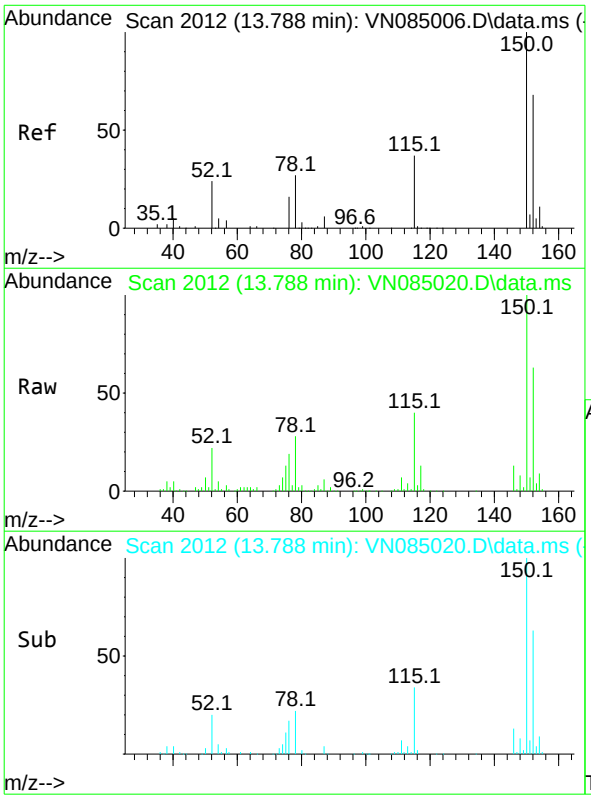
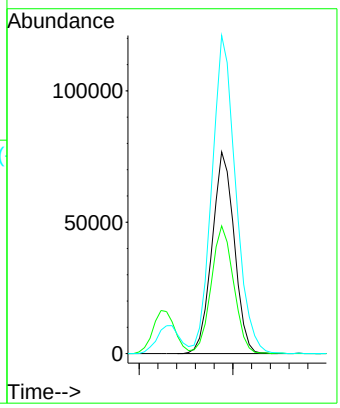


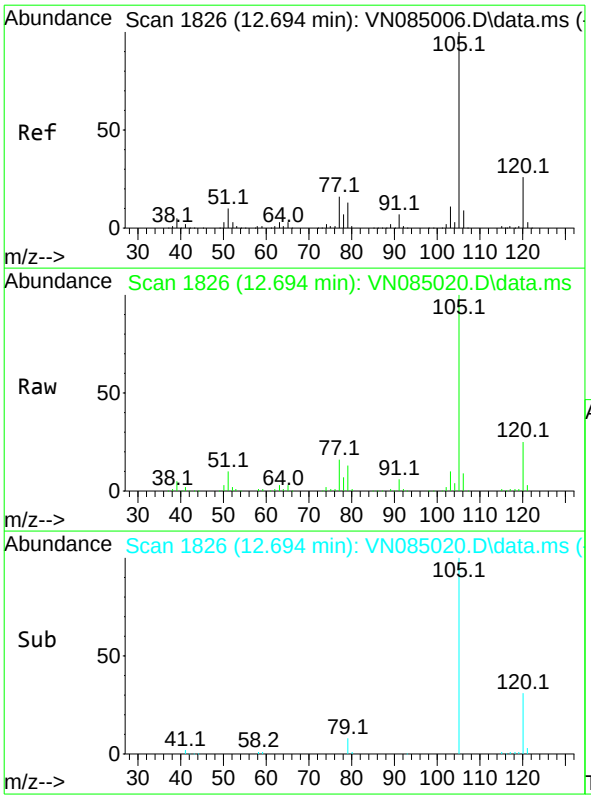


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:152 Resp: 126177

Ion	Ratio	Lower	Upper
152	100		
115	63.9	31.7	95.1
150	169.3	0.0	351.4

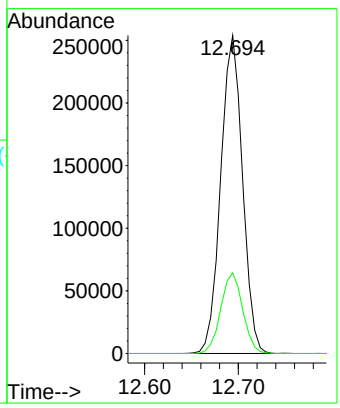




#73
Isopropylbenzene
Concen: 46.030 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:105 Resp: 409728

Ion	Ratio	Lower	Upper
105	100		
120	25.5	13.0	39.0



Instrument :
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ClientSampleId :
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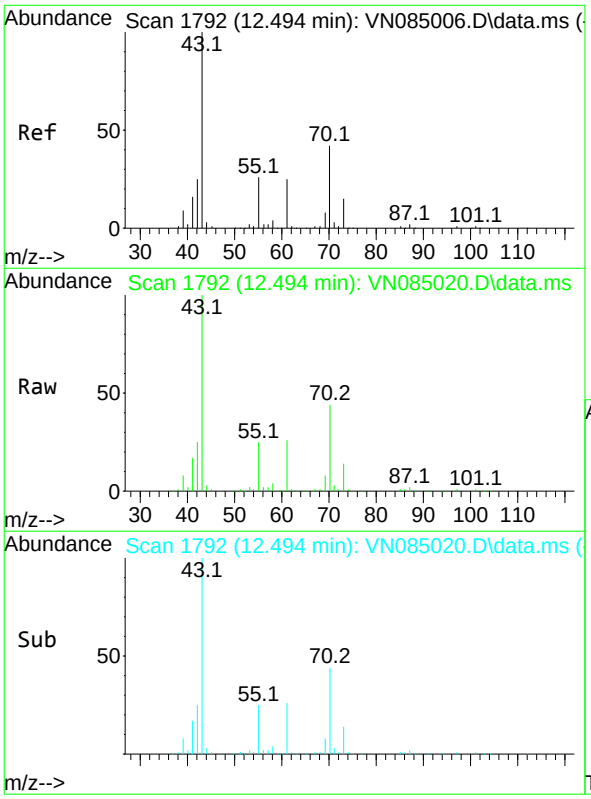
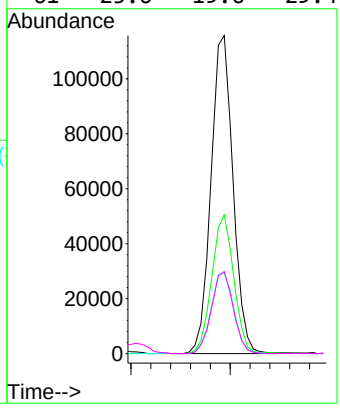
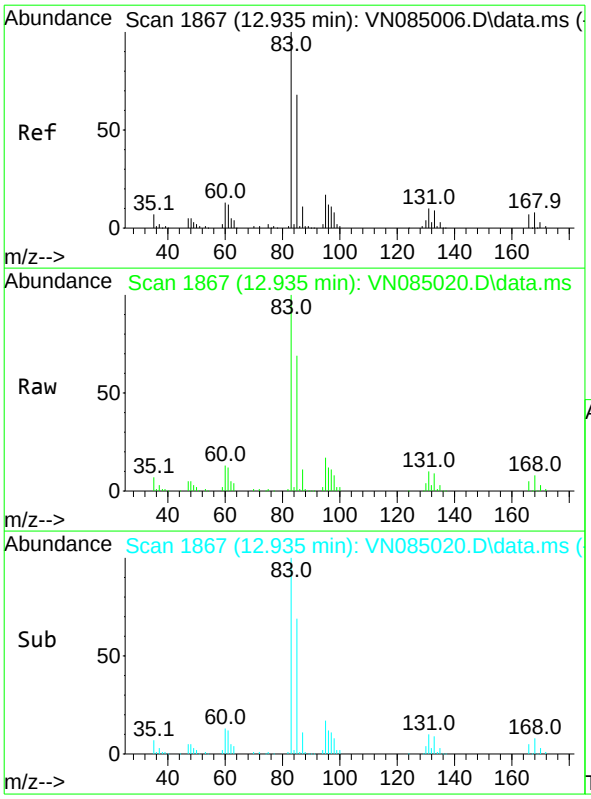


#74
N-amyl acetate
Concen: 48.703 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 43 Resp: 178643

Ion	Ratio	Lower	Upper
43	100		
70	43.7	34.6	51.8
55	26.4	20.5	30.7
61	25.6	19.6	29.4





#75
1,1,2,2-Tetrachloroethane
Concen: 41.909 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 83 Resp: 127388

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.1	15.4
85	65.9	32.1	96.3

Instrument :
MSVOA_N
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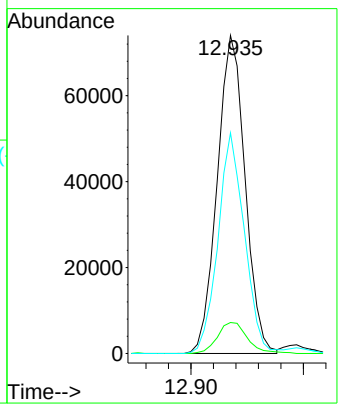
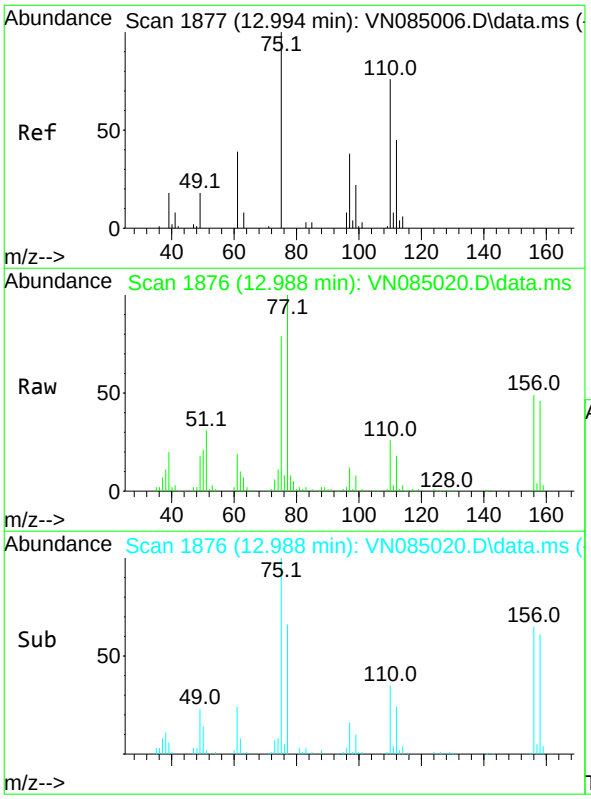
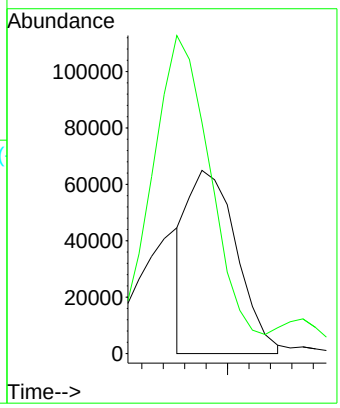


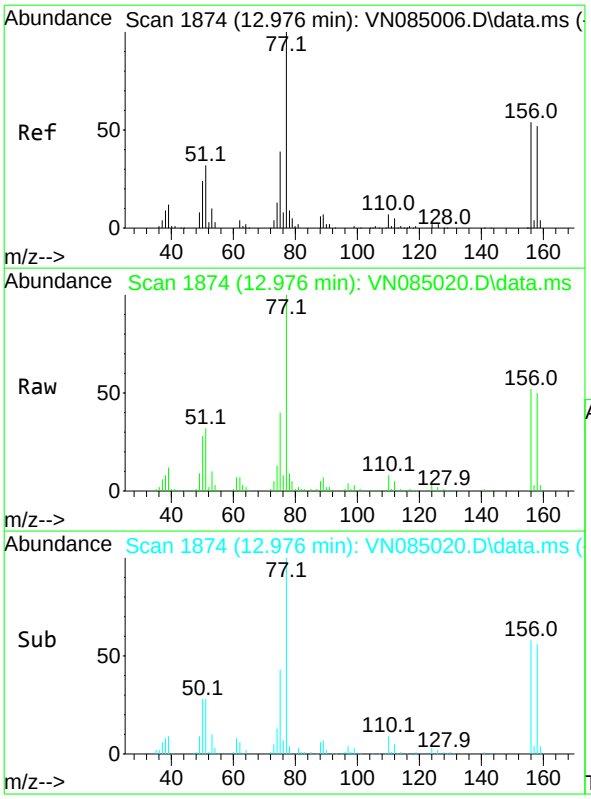


#76
1,2,3-Trichloropropane
Concen: 45.112 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 75 Resp: 103534

Ion	Ratio	Lower	Upper
75	100		
77	214.2	109.1	327.4

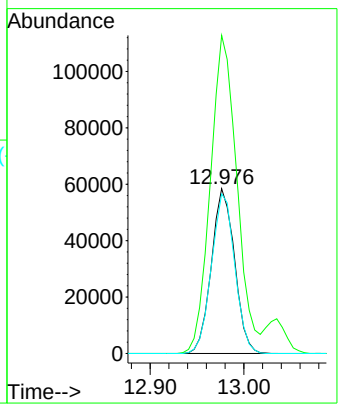




#77
Bromobenzene
Concen: 41.895 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:156 Resp: 100357

Ion	Ratio	Lower	Upper
156	100		
77	221.0	107.2	321.6
158	97.6	48.5	145.6



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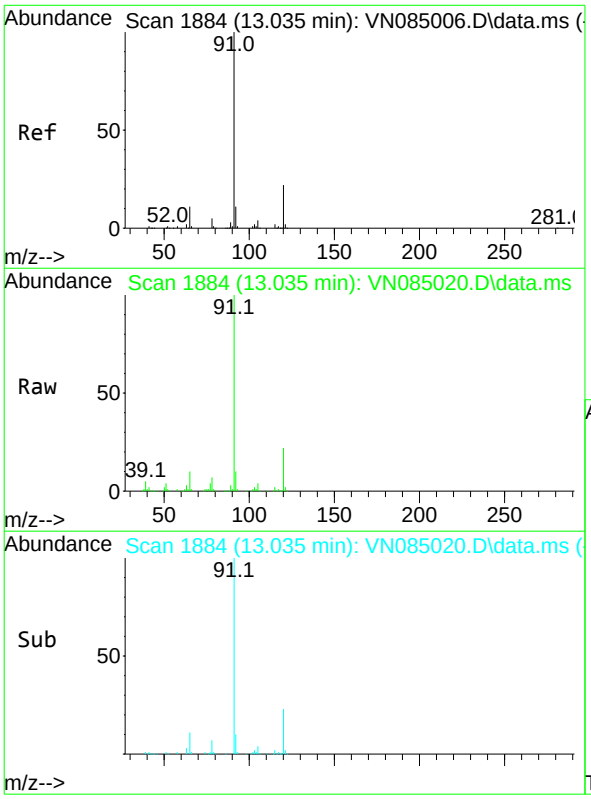
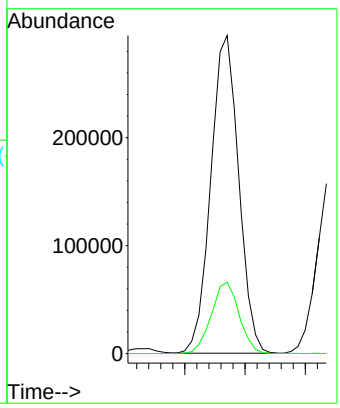
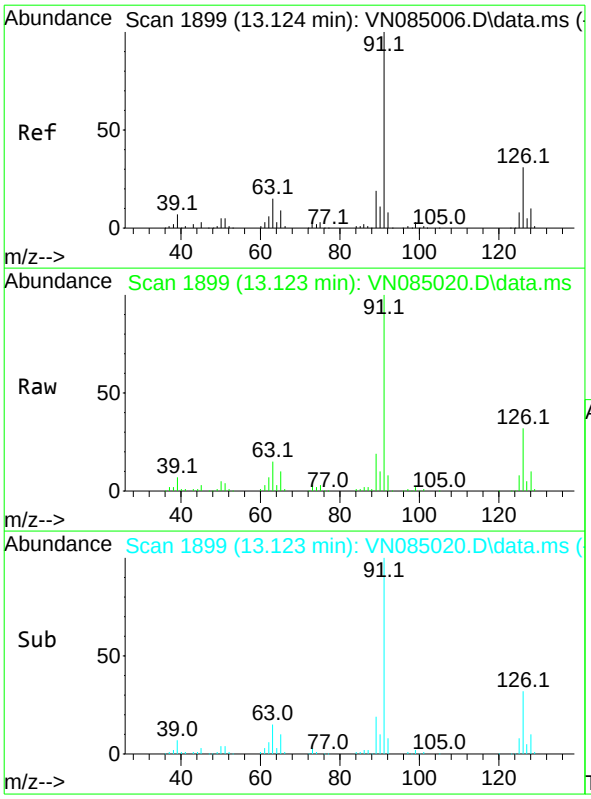


#78
n-propylbenzene
Concen: 46.093 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 91 Resp: 473235

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.3	33.9

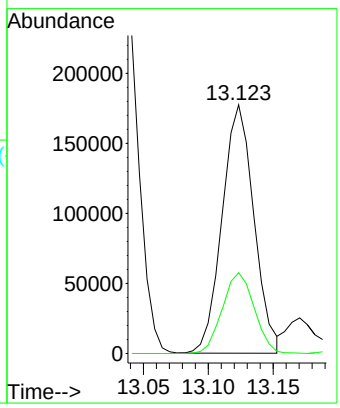




#79
2-Chlorotoluene
Concen: 44.205 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 91 Resp: 302969

Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.1	48.3



Instrument :
MSVOA_N
ClientSampleId :
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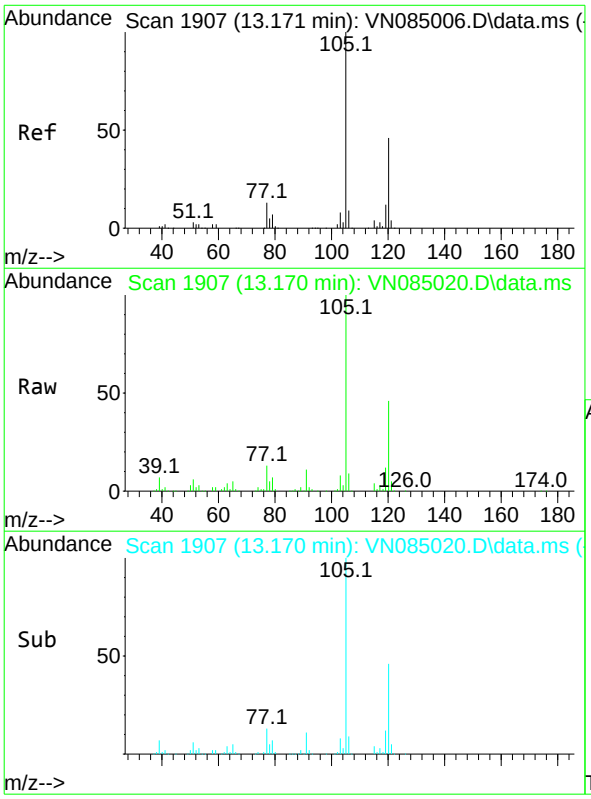
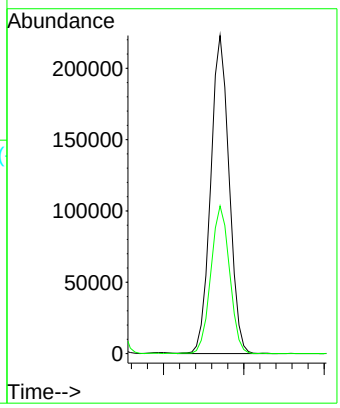
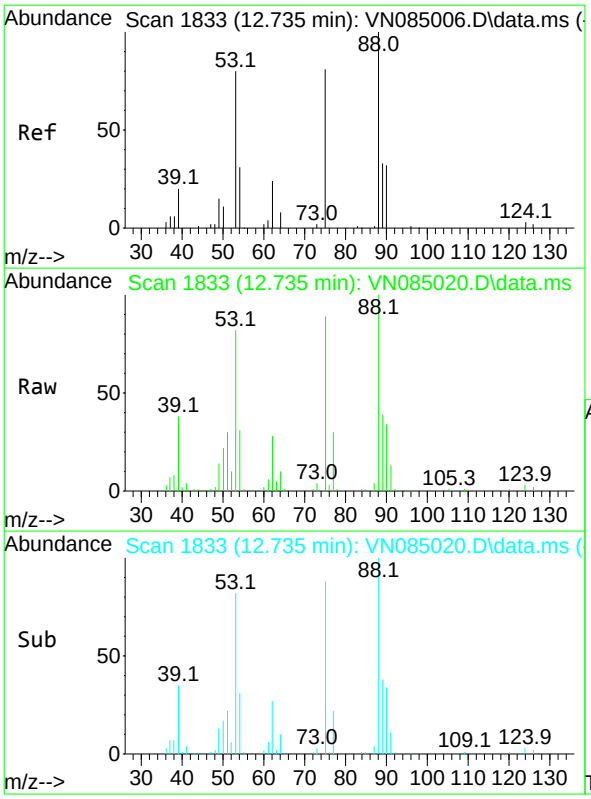


#80
1,3,5-Trimethylbenzene
Concen: 47.623 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:105 Resp: 355712

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.6	71.0

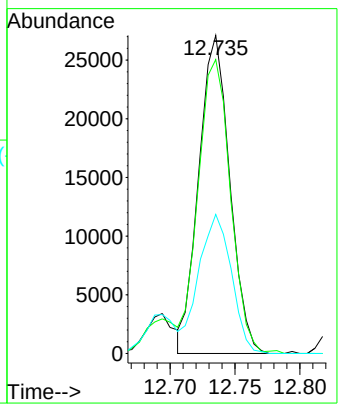




#81
trans-1,4-Dichloro-2-butene
Concen: 43.323 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 75 Resp: 45040

Ion	Ratio	Lower	Upper
75	100		
53	96.4	78.2	117.4
89	46.3	37.9	56.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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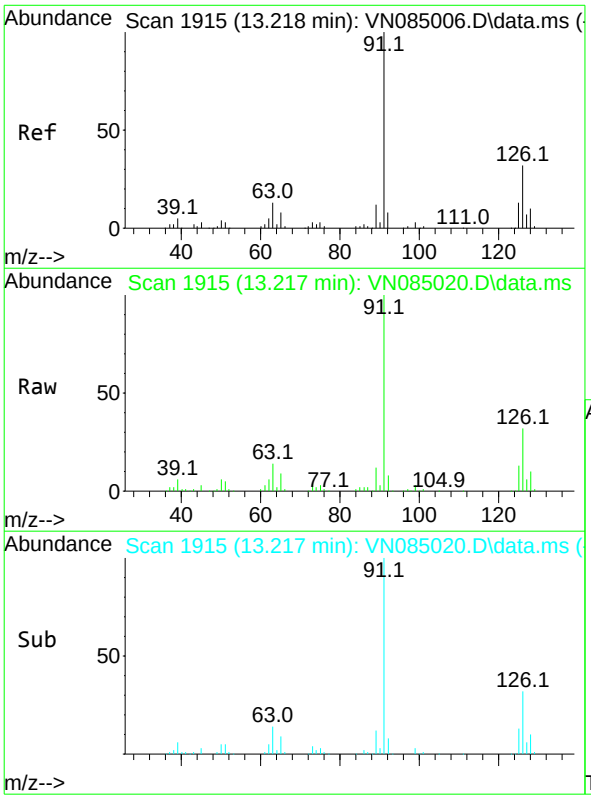
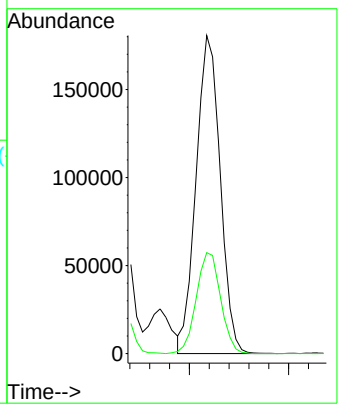
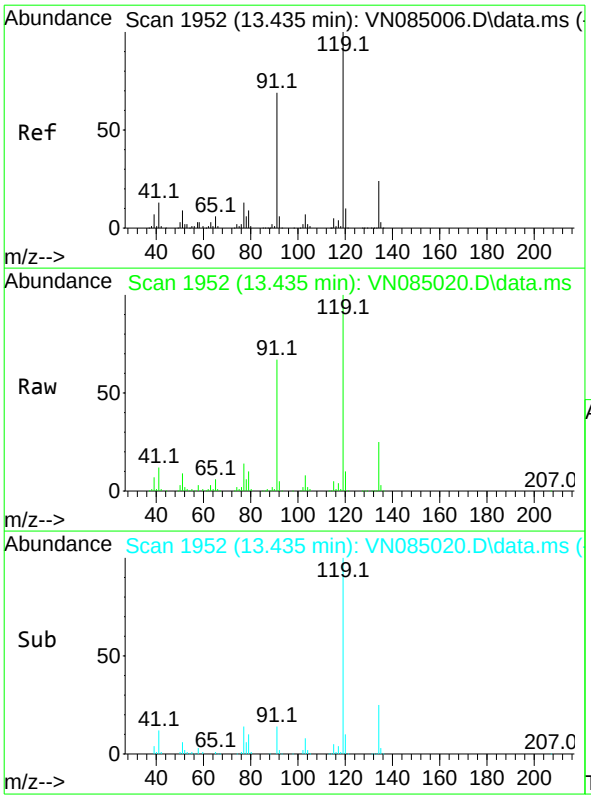


#82
4-Chlorotoluene
Concen: 42.723 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 91 Resp: 304819

Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.1	48.3

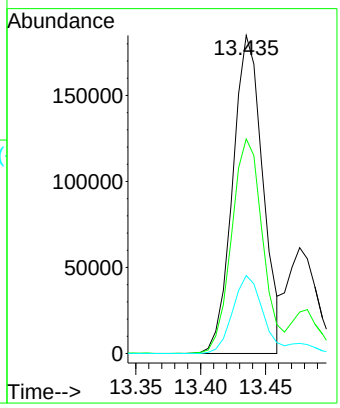




#83
tert-Butylbenzene
Concen: 46.490 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:119 Resp: 298778

Ion	Ratio	Lower	Upper
119	100		
91	70.1	35.1	105.5
134	24.4	12.1	36.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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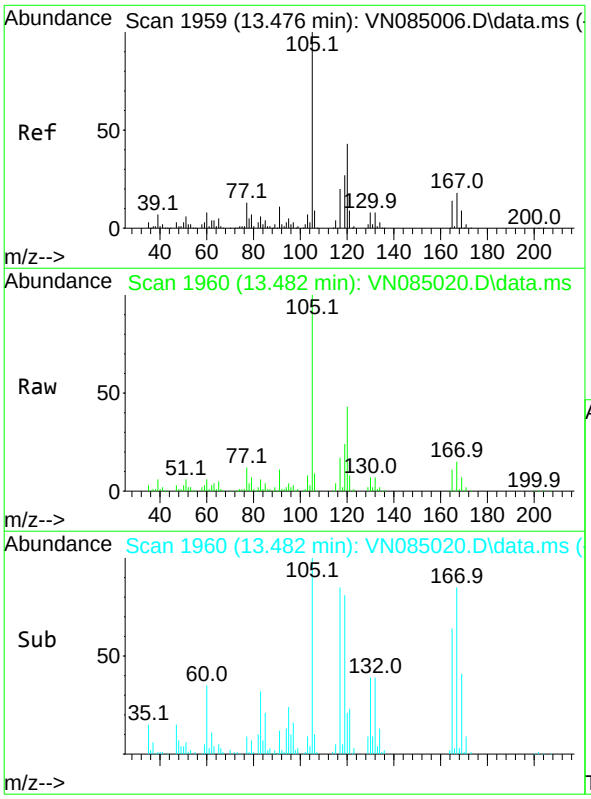
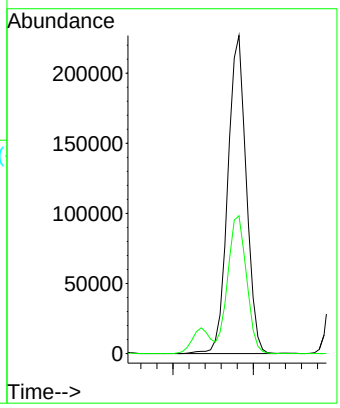
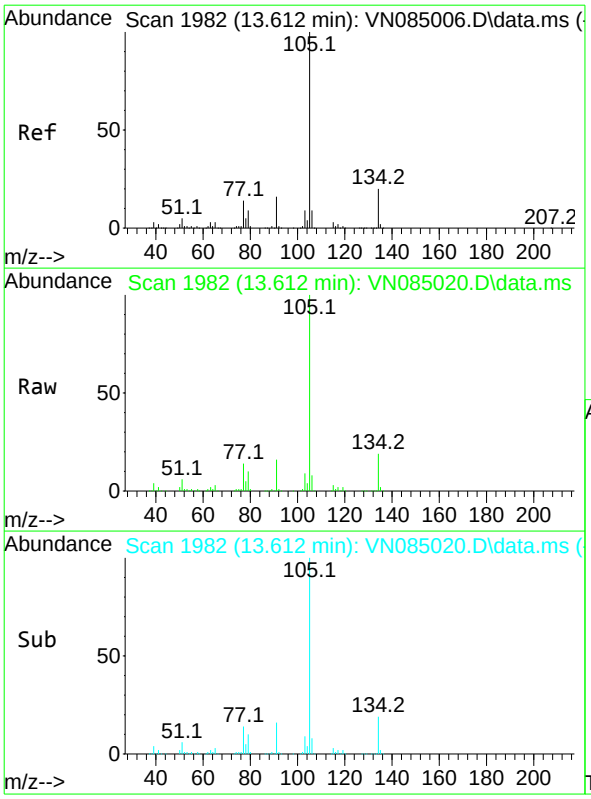


#84
1,2,4-Trimethylbenzene
Concen: 46.990 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:105 Resp: 361290

Ion	Ratio	Lower	Upper
105	100		
120	44.1	21.8	65.4

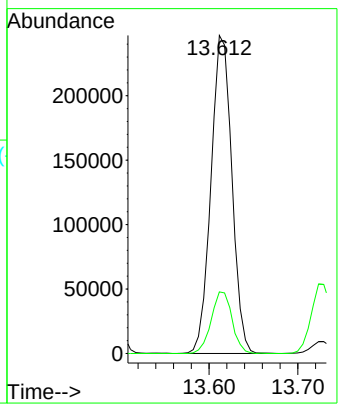




#85
sec-Butylbenzene
Concen: 46.498 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:105 Resp: 403676

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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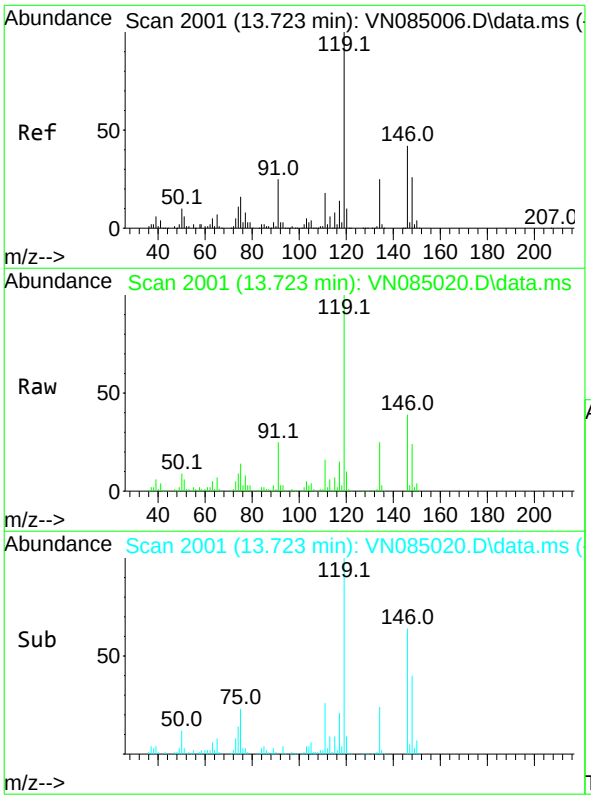
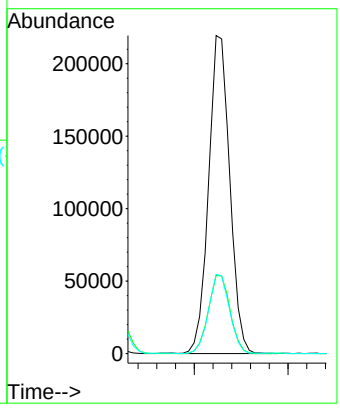
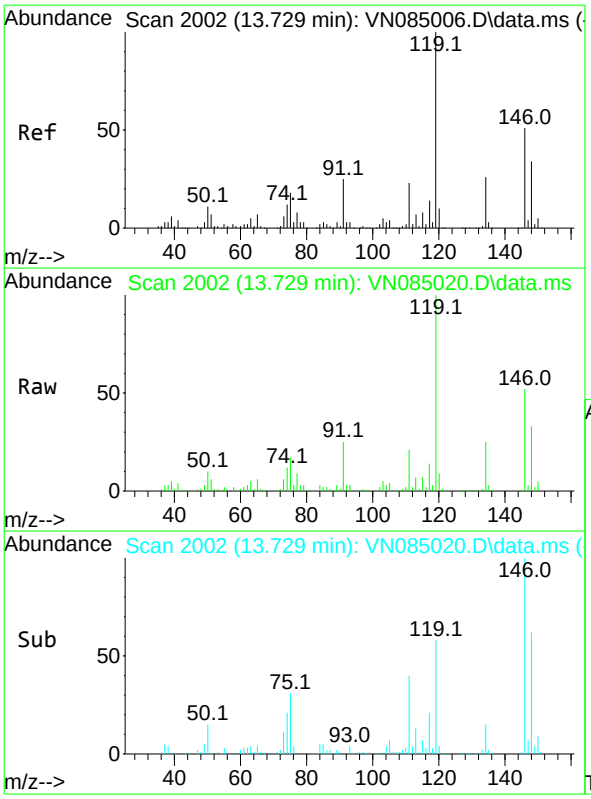


#86
p-Isopropyltoluene
Concen: 47.952 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:119 Resp: 343655

Ion	Ratio	Lower	Upper
119	100		
134	25.3	13.0	39.0
91	24.9	12.8	38.4

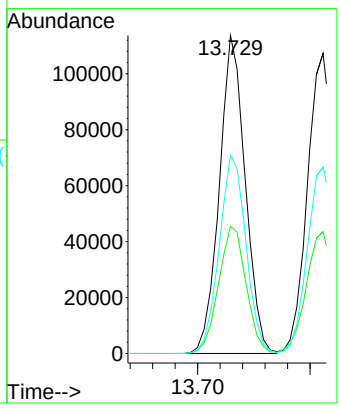




#87
1,3-Dichlorobenzene
Concen: 38.478 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:146 Resp: 181798

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.6	65.0
148	64.5	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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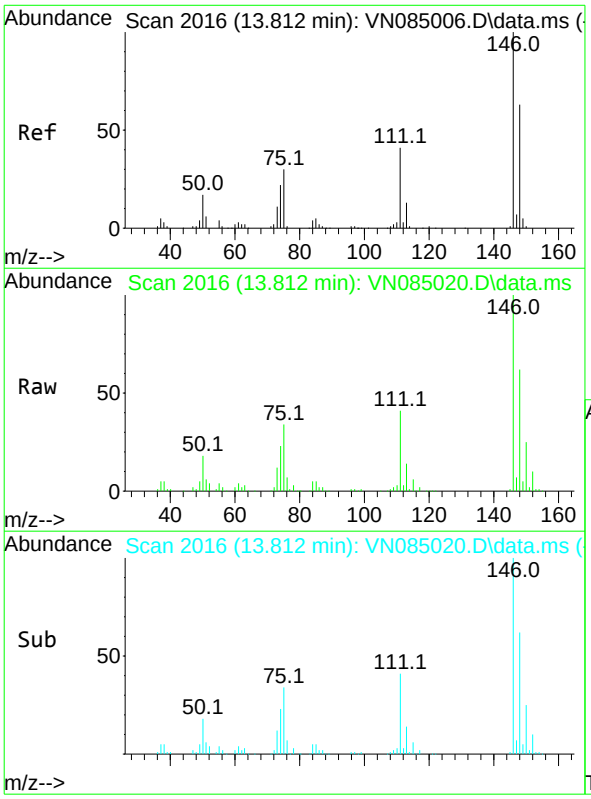
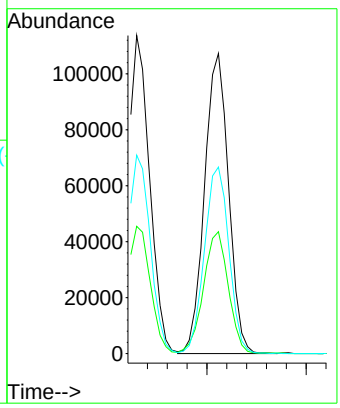
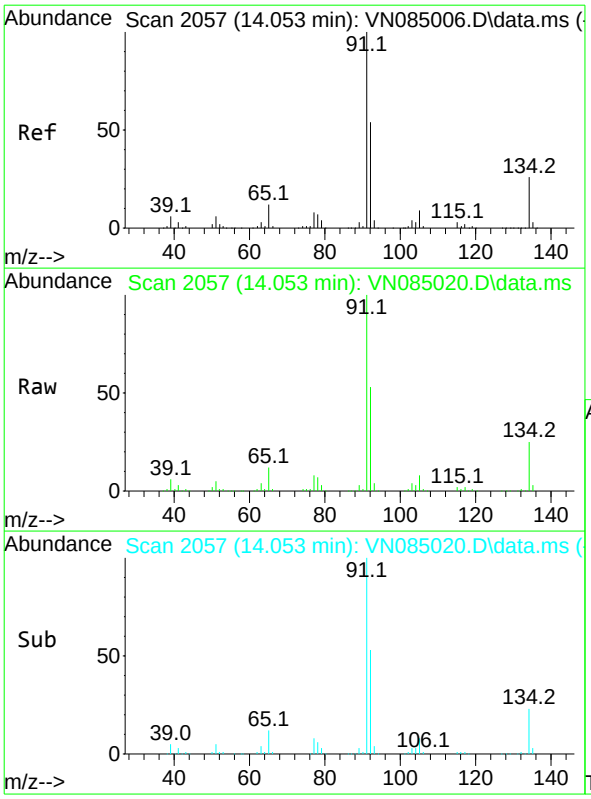


#88
1,4-Dichlorobenzene
Concen: 37.400 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:146 Resp: 180327

Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.9	62.8
148	63.4	31.3	93.9

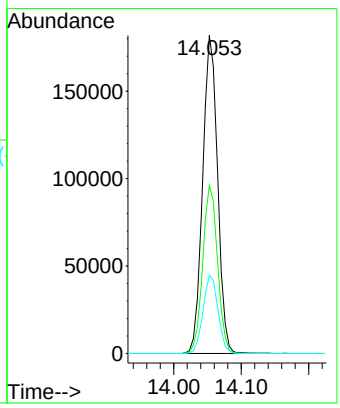




#89
n-Butylbenzene
Concen: 41.878 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 91 Resp: 279110

Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.8	80.3
134	24.6	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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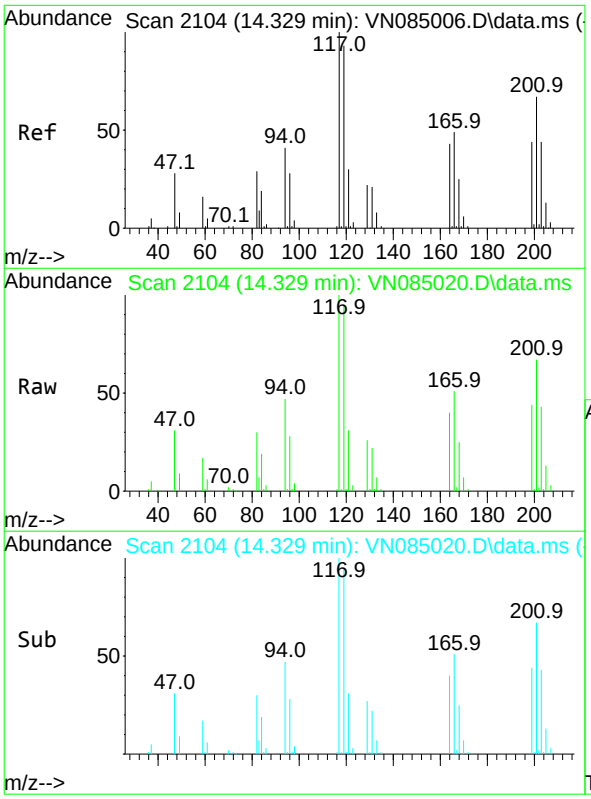
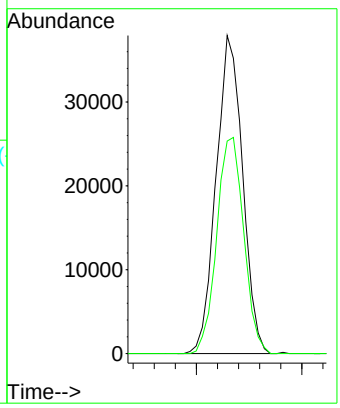
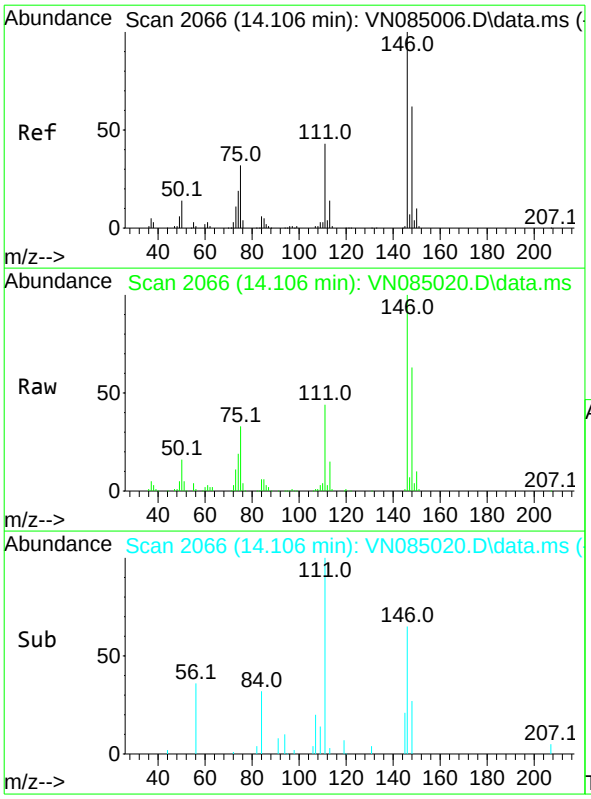


#90
Hexachloroethane
Concen: 42.304 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:117 Resp: 66086

Ion	Ratio	Lower	Upper
117	100		
201	69.3	35.2	105.6

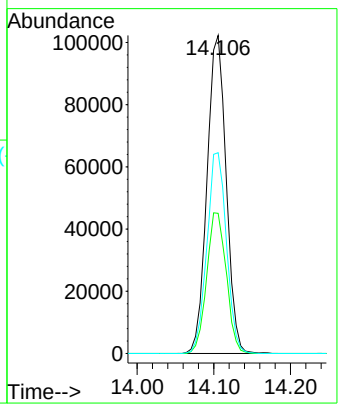




#91
1,2-Dichlorobenzene
Concen: 39.174 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:146 Resp: 177360

Ion	Ratio	Lower	Upper
146	100		
111	45.2	21.9	65.8
148	64.4	31.1	93.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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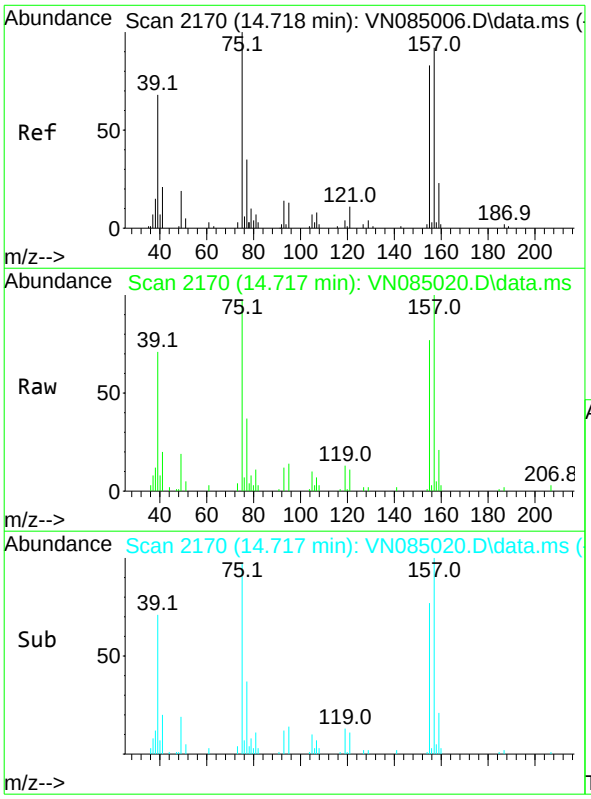
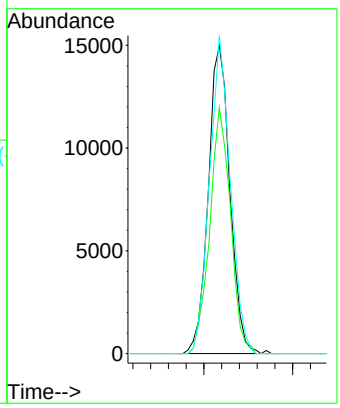
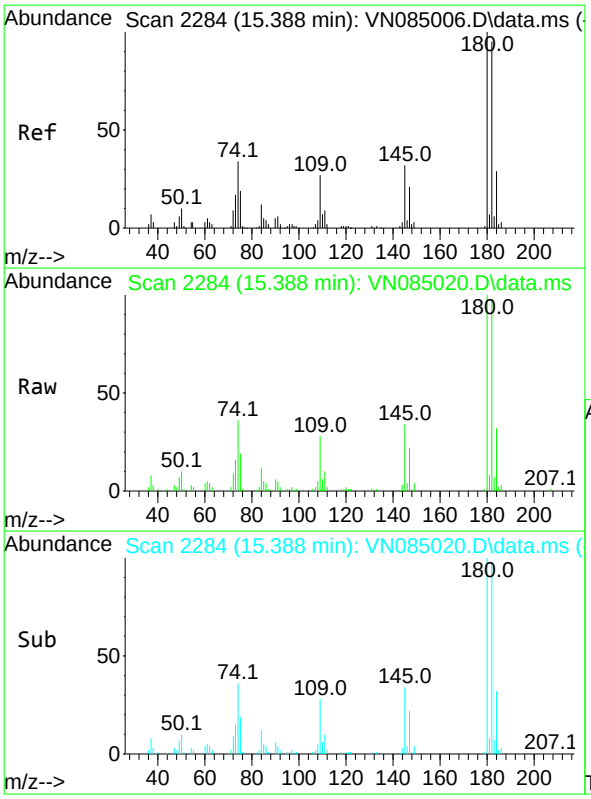


#92
1,2-Dibromo-3-Chloropropane
Concen: 43.206 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 75 Resp: 25395

Ion	Ratio	Lower	Upper
75	100		
155	76.5	38.9	116.7
157	99.7	48.3	144.9





#93
1,2,4-Trichlorobenzene
Concen: 34.085 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:180 Resp: 83838

Ion	Ratio	Lower	Upper
180	100		
182	96.4	46.9	140.8
145	33.2	16.3	48.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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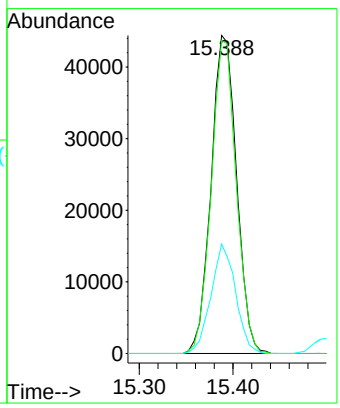
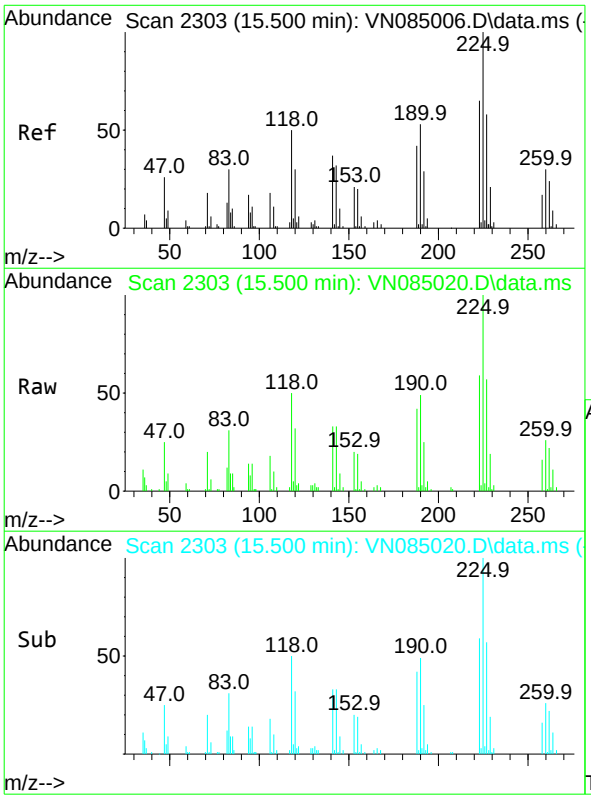
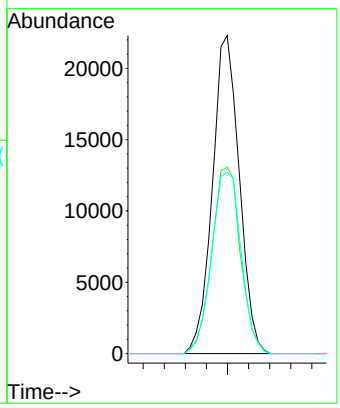


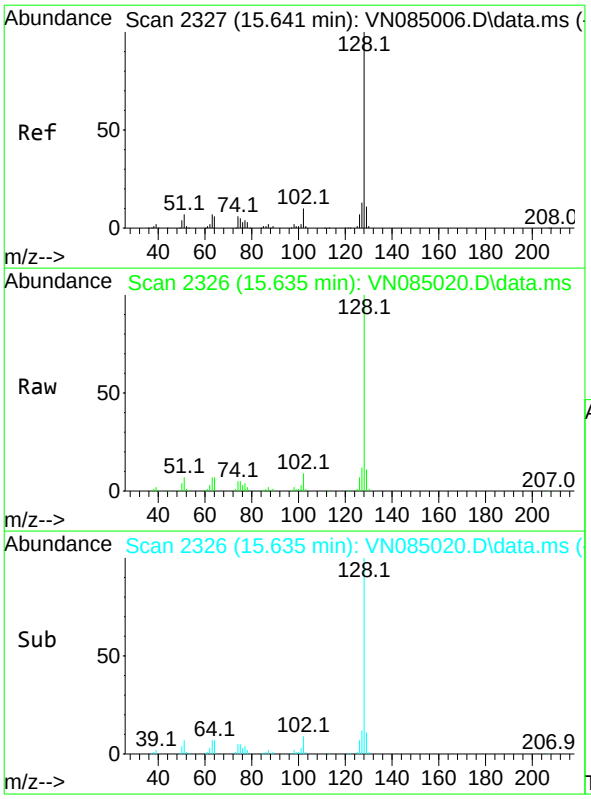


#94
Hexachlorobutadiene
Concen: 34.818 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:225 Resp: 39524

Ion	Ratio	Lower	Upper
225	100		
223	62.6	30.9	92.8
227	62.6	31.5	94.5

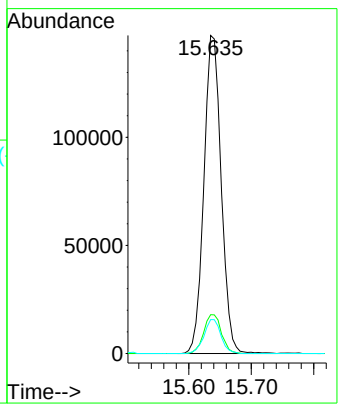




#95
Naphthalene
Concen: 40.401 ug/l
RT: 15.635 min Scan# 23
Delta R.T. -0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:128 Resp: 283029

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.6	16.0
129	10.4	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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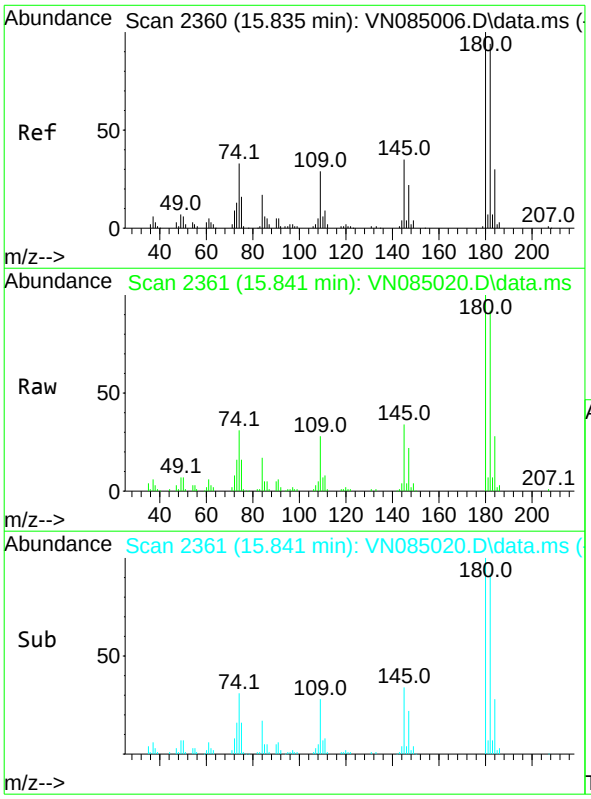
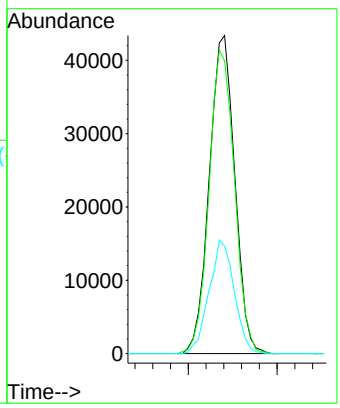


#96
1,2,3-Trichlorobenzene
Concen: 36.849 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:180 Resp: 86482

Ion	Ratio	Lower	Upper
180	100		
182	95.2	46.4	139.2
145	35.2	17.3	52.0



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Data File : VN085020.D
Acq On : 22 Nov 2024 20:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 23 03:27:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	102	0.00
2	T	Dichlorodifluoromethane	0.565	0.513	9.2	93	0.00
3	P	Chloromethane	0.656	0.545	16.9	94	0.00
4	C	Vinyl Chloride	0.589	0.533	9.5#	94	0.00
5	T	Bromomethane	0.330	0.290	12.1	95	0.00
6	T	Chloroethane	0.397	0.339	14.6	91	0.00
7	T	Trichlorofluoromethane	1.002	0.930	7.2	98	0.01
8	T	Diethyl Ether	0.341	0.332	2.6	96	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.569	0.518	9.0	95	0.00
10	T	Methyl Iodide	0.753	0.727	3.5	99	0.00
11	T	Tert butyl alcohol	0.095	0.087	8.4	98	0.00
12	CM	1,1-Dichloroethene	0.531	0.499	6.0#	97	0.00
13	T	Acrolein	0.064	0.077	-20.3	112	0.00
14	T	Allyl chloride	0.895	0.841	6.0	96	0.00
15	T	Acrylonitrile	0.269	0.269	0.0	104	0.00
16	T	Acetone	0.207	0.221	-6.8	111	0.00
17	T	Carbon Disulfide	1.566	1.328	15.2	92	0.00
18	T	Methyl Acetate	0.804	0.679	15.5	105	0.00
19	T	Methyl tert-butyl Ether	1.734	1.703	1.8	98	0.00
20	T	Methylene Chloride	0.633	0.558	11.8	96	0.00
21	T	trans-1,2-Dichloroethene	0.558	0.507	9.1	92	0.00
22	T	Diisopropyl ether	1.801	1.698	5.7	97	0.00
23	T	Vinyl Acetate	1.242	1.262	-1.6	99	0.00
24	P	1,1-Dichloroethane	1.078	1.011	6.2	98	0.00
25	T	2-Butanone	0.339	0.340	-0.3	104	0.00
26	T	2,2-Dichloropropane	1.006	0.873	13.2	89	0.00
27	T	cis-1,2-Dichloroethene	0.673	0.622	7.6	96	0.00
28	T	Bromochloromethane	0.407	0.378	7.1	97	0.00
29	T	Tetrahydrofuran	0.211	0.221	-4.7	104	0.00
30	C	Chloroform	1.146	1.036	9.6#	96	0.00
31	T	Cyclohexane	0.949	0.819	13.7	94	0.00
32	T	1,1,1-Trichloroethane	1.036	0.963	7.0	96	0.00
33	S	1,2-Dichloroethane-d4	0.712	0.721	-1.3	104	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
35	S	Dibromofluoromethane	0.337	0.337	0.0	103	0.00
36	T	1,1-Dichloropropene	0.457	0.409	10.5	94	0.00
37	T	Ethyl Acetate	0.415	0.402	3.1	104	0.00
38	T	Carbon Tetrachloride	0.527	0.494	6.3	96	0.00
39	T	Methylcyclohexane	0.475	0.443	6.7	91	0.00
40	TM	Benzene	1.444	1.329	8.0	97	0.00
41	T	Methacrylonitrile	0.230	0.232	-0.9	105	0.00
42	TM	1,2-Dichloroethane	0.494	0.455	7.9	98	0.00
43	T	Isopropyl Acetate	0.862	0.717	16.8	99	0.00
44	TM	Trichloroethene	0.336	0.308	8.3	98	0.00
45	C	1,2-Dichloropropane	0.356	0.321	9.8#	96	0.00
46	T	Dibromomethane	0.247	0.225	8.9	96	0.00
47	T	Bromodichloromethane	0.524	0.491	6.3	98	0.00
48	T	Methyl methacrylate	0.321	0.327	-1.9	103	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085020.D
Acq On : 22 Nov 2024 20:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 23 03:27:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.005	16.7	96	0.00
50	S	Toluene-d8	1.208	1.236	-2.3	103	0.00
51	T	4-Methyl-2-Pentanone	0.394	0.422	-7.1	108	0.00
52	CM	Toluene	0.855	0.819	4.2#	96	0.00
53	T	t-1,3-Dichloropropene	0.525	0.477	9.1	90	0.00
54	T	cis-1,3-Dichloropropene	0.557	0.516	7.4	93	0.00
55	T	1,1,2-Trichloroethane	0.319	0.306	4.1	99	0.00
56	T	Ethyl methacrylate	0.465	0.509	-9.5	102	0.00
57	T	1,3-Dichloropropane	0.561	0.529	5.7	99	0.00
58	T	2-Chloroethyl Vinyl ether	0.228	0.242	-6.1	93	0.00
59	T	2-Hexanone	0.295	0.314	-6.4	104	0.00
60	T	Dibromochloromethane	0.389	0.361	7.2	97	0.00
61	T	1,2-Dibromoethane	0.330	0.308	6.7	97	0.00
62	S	4-Bromofluorobenzene	0.452	0.492	-8.8	109	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64	T	Tetrachloroethene	0.337	0.292	13.4	94	0.00
65	PM	Chlorobenzene	1.134	0.985	13.1	95	0.00
66	T	1,1,1,2-Tetrachloroethane	0.399	0.361	9.5	96	0.00
67	C	Ethyl Benzene	1.840	1.773	3.6#	96	0.00
68	T	m/p-Xylenes	0.700	0.679	3.0	97	0.00
69	T	o-Xylene	0.666	0.654	1.8	97	0.00
70	T	Styrene	1.108	1.117	-0.8	98	0.00
71	P	Bromoform	0.296	0.292	1.4	99	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	110	0.00
73	T	Isopropylbenzene	3.527	3.247	7.9	99	0.00
74	T	N-amyl acetate	1.454	1.416	2.6	101	0.00
75	P	1,1,2,2-Tetrachloroethane	1.204	1.010	16.1	101	0.00
76	T	1,2,3-Trichloropropane	0.909	0.821	9.7	100	0.00
77	T	Bromobenzene	0.949	0.795	16.2	95	0.00
78	T	n-propylbenzene	4.068	3.751	7.8	98	0.00
79	T	2-Chlorotoluene	2.716	2.401	11.6	99	0.00
80	T	1,3,5-Trimethylbenzene	2.960	2.819	4.8	99	0.00
81	T	trans-1,4-Dichloro-2-butene	0.412	0.357	13.3	96	0.00
82	T	4-Chlorotoluene	2.827	2.416	14.5	96	0.00
83	T	tert-Butylbenzene	2.547	2.368	7.0	99	0.00
84	T	1,2,4-Trimethylbenzene	3.047	2.863	6.0	97	0.00
85	T	sec-Butylbenzene	3.440	3.199	7.0	96	0.00
86	T	p-Isopropyltoluene	2.840	2.724	4.1	97	0.00
87	T	1,3-Dichlorobenzene	1.872	1.441	23.0	92	0.00
88	T	1,4-Dichlorobenzene	1.911	1.429	25.2#	90	0.00
89	T	n-Butylbenzene	2.641	2.212	16.2	91	0.00
90	T	Hexachloroethane	0.619	0.524	15.3	95	0.00
91	T	1,2-Dichlorobenzene	1.794	1.406	21.6	92	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.201	13.7	101	0.00
93	T	1,2,4-Trichlorobenzene	0.975	0.664	31.9#	81	0.00
94	T	Hexachlorobutadiene	0.450	0.313	30.4#	86	0.00
95	T	Naphthalene	2.776	2.243	19.2	87	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085020.D
Acq On : 22 Nov 2024 20:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 23 03:27:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.930	0.685	26.3#	84	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085020.D
Acq On : 22 Nov 2024 20:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 23 03:27:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	102	0.00
2	T	Dichlorodifluoromethane	50.000	45.356	9.3	93	0.00
3	P	Chloromethane	50.000	41.551	16.9	94	0.00
4	C	Vinyl Chloride	50.000	45.215	9.6#	94	0.00
5	T	Bromomethane	50.000	43.896	12.2	95	0.00
6	T	Chloroethane	50.000	42.728	14.5	91	0.00
7	T	Trichlorofluoromethane	50.000	46.385	7.2	98	0.01
8	T	Diethyl Ether	50.000	48.621	2.8	96	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	45.536	8.9	95	0.00
10	T	Methyl Iodide	50.000	48.302	3.4	99	0.00
11	T	Tert butyl alcohol	250.000	229.593	8.2	98	0.00
12	CM	1,1-Dichloroethene	50.000	47.021	6.0#	97	0.00
13	T	Acrolein	250.000	302.534	-21.0	112	0.00
14	T	Allyl chloride	50.000	47.028	5.9	96	0.00
15	T	Acrylonitrile	250.000	249.618	0.2	104	0.00
16	T	Acetone	250.000	266.681	-6.7	111	0.00
17	T	Carbon Disulfide	50.000	42.378	15.2	92	0.00
18	T	Methyl Acetate	50.000	51.203	-2.4	105	0.00
19	T	Methyl tert-butyl Ether	50.000	49.096	1.8	98	0.00
20	T	Methylene Chloride	50.000	44.090	11.8	96	0.00
21	T	trans-1,2-Dichloroethene	50.000	45.396	9.2	92	0.00
22	T	Diisopropyl ether	50.000	47.149	5.7	97	0.00
23	T	Vinyl Acetate	250.000	253.901	-1.6	99	0.00
24	P	1,1-Dichloroethane	50.000	46.934	6.1	98	0.00
25	T	2-Butanone	250.000	250.342	-0.1	104	0.00
26	T	2,2-Dichloropropane	50.000	43.359	13.3	89	0.00
27	T	cis-1,2-Dichloroethene	50.000	46.160	7.7	96	0.00
28	T	Bromochloromethane	50.000	46.411	7.2	97	0.00
29	T	Tetrahydrofuran	250.000	261.419	-4.6	104	0.00
30	C	Chloroform	50.000	45.207	9.6#	96	0.00
31	T	Cyclohexane	50.000	43.179	13.6	94	0.00
32	T	1,1,1-Trichloroethane	50.000	46.470	7.1	96	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.590	-1.2	104	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	104	0.00
35	S	Dibromofluoromethane	50.000	49.940	0.1	103	0.00
36	T	1,1-Dichloropropene	50.000	44.814	10.4	94	0.00
37	T	Ethyl Acetate	50.000	48.460	3.1	104	0.00
38	T	Carbon Tetrachloride	50.000	46.837	6.3	96	0.00
39	T	Methylcyclohexane	50.000	46.725	6.5	91	0.00
40	TM	Benzene	50.000	46.008	8.0	97	0.00
41	T	Methacrylonitrile	50.000	50.558	-1.1	105	0.00
42	TM	1,2-Dichloroethane	50.000	46.006	8.0	98	0.00
43	T	Isopropyl Acetate	50.000	41.566	16.9	99	0.00
44	TM	Trichloroethene	50.000	45.825	8.3	98	0.00
45	C	1,2-Dichloropropane	50.000	45.168	9.7#	96	0.00
46	T	Dibromomethane	50.000	45.429	9.1	96	0.00
47	T	Bromodichloromethane	50.000	46.825	6.3	98	0.00
48	T	Methyl methacrylate	50.000	50.901	-1.8	103	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085020.D
Acq On : 22 Nov 2024 20:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 23 03:27:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	966.160	3.4	96	0.00
50	S	Toluene-d8	50.000	51.146	-2.3	103	0.00
51	T	4-Methyl-2-Pentanone	250.000	268.135	-7.3	108	0.00
52	CM	Toluene	50.000	47.864	4.3#	96	0.00
53	T	t-1,3-Dichloropropene	50.000	45.368	9.3	90	0.00
54	T	cis-1,3-Dichloropropene	50.000	46.288	7.4	93	0.00
55	T	1,1,2-Trichloroethane	50.000	48.013	4.0	99	0.00
56	T	Ethyl methacrylate	50.000	54.717	-9.4	102	0.00
57	T	1,3-Dichloropropane	50.000	47.176	5.6	99	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	265.424	-6.2	93	0.00
59	T	2-Hexanone	250.000	266.432	-6.6	104	0.00
60	T	Dibromochloromethane	50.000	46.342	7.3	97	0.00
61	T	1,2-Dibromoethane	50.000	46.652	6.7	97	0.00
62	S	4-Bromofluorobenzene	50.000	54.436	-8.9	109	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	105	0.00
64	T	Tetrachloroethene	50.000	43.303	13.4	94	0.00
65	PM	Chlorobenzene	50.000	43.438	13.1	95	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	45.226	9.5	96	0.00
67	C	Ethyl Benzene	50.000	48.195	3.6#	96	0.00
68	T	m/p-Xylenes	100.000	96.880	3.1	97	0.00
69	T	o-Xylene	50.000	49.101	1.8	97	0.00
70	T	Styrene	50.000	50.416	-0.8	98	0.00
71	P	Bromoform	50.000	49.313	1.4	99	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	110	0.00
73	T	Isopropylbenzene	50.000	46.030	7.9	99	0.00
74	T	N-amyl acetate	50.000	48.703	2.6	101	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	41.909	16.2	101	0.00
76	T	1,2,3-Trichloropropane	50.000	45.112	9.8	100	0.00
77	T	Bromobenzene	50.000	41.895	16.2	95	0.00
78	T	n-propylbenzene	50.000	46.093	7.8	98	0.00
79	T	2-Chlorotoluene	50.000	44.205	11.6	99	0.00
80	T	1,3,5-Trimethylbenzene	50.000	47.623	4.8	99	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	43.323	13.4	96	0.00
82	T	4-Chlorotoluene	50.000	42.723	14.6	96	0.00
83	T	tert-Butylbenzene	50.000	46.490	7.0	99	0.00
84	T	1,2,4-Trimethylbenzene	50.000	46.990	6.0	97	0.00
85	T	sec-Butylbenzene	50.000	46.498	7.0	96	0.00
86	T	p-Isopropyltoluene	50.000	47.952	4.1	97	0.00
87	T	1,3-Dichlorobenzene	50.000	38.478	23.0	92	0.00
88	T	1,4-Dichlorobenzene	50.000	37.400	25.2#	90	0.00
89	T	n-Butylbenzene	50.000	41.878	16.2	91	0.00
90	T	Hexachloroethane	50.000	42.304	15.4	95	0.00
91	T	1,2-Dichlorobenzene	50.000	39.174	21.7	92	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	43.206	13.6	101	0.00
93	T	1,2,4-Trichlorobenzene	50.000	34.085	31.8#	81	0.00
94	T	Hexachlorobutadiene	50.000	34.818	30.4#	86	0.00
95	T	Naphthalene	50.000	40.401	19.2	87	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085020.D
Acq On : 22 Nov 2024 20:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 23 03:27:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	36.849	26.3#	84	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG No.: P4845

Instrument ID: MSVOA_N Calibration Date/Time: 11/26/2024 10:47

Lab File ID: VN085035.D Init. Calib. Date(s): 11/22/2024 11/22/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:22 13:45

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.565	0.526		-6.9	20
Chloromethane	0.656	0.535	0.1	-18.44	20
Vinyl Chloride	0.589	0.524		-11.04	20
Bromomethane	0.330	0.300		-9.09	20
Chloroethane	0.397	0.350		-11.84	20
Trichlorofluoromethane	1.002	0.938		-6.39	20
1,1,2-Trichlorotrifluoroethane	0.569	0.551		-3.16	20
1,1-Dichloroethene	0.531	0.475		-10.55	20
Acetone	0.207	0.249		20.29	20
Carbon Disulfide	1.566	1.286		-17.88	20
Methyl tert-butyl Ether	1.734	1.749		0.87	20
Methyl Acetate	0.804	0.690		-14.18	20
Methylene Chloride	0.633	0.572		-9.64	20
trans-1,2-Dichloroethene	0.558	0.516		-7.53	20
1,1-Dichloroethane	1.078	1.030	0.1	-4.45	20
Cyclohexane	0.949	0.844		-11.06	20
2-Butanone	0.339	0.365		7.67	20
Carbon Tetrachloride	0.527	0.525		-0.38	20
cis-1,2-Dichloroethene	0.673	0.638		-5.2	20
Bromochloromethane	0.407	0.429		5.41	20
Chloroform	1.146	1.080		-5.76	20
1,1,1-Trichloroethane	1.036	0.991		-4.34	20
Methylcyclohexane	0.475	0.461		-2.95	20
Benzene	1.445	1.369		-5.19	20
1,2-Dichloroethane	0.494	0.475		-3.85	20
Trichloroethene	0.336	0.310		-7.74	20
1,2-Dichloropropane	0.356	0.334		-6.18	20
Bromodichloromethane	0.524	0.513		-2.1	20
4-Methyl-2-Pentanone	0.394	0.437		10.91	20
Toluene	0.855	0.854		-0.12	20
t-1,3-Dichloropropene	0.525	0.517		-1.52	20
cis-1,3-Dichloropropene	0.557	0.550		-1.26	20
1,1,2-Trichloroethane	0.319	0.326		2.19	20
2-Hexanone	0.295	0.335		13.56	20
Dibromochloromethane	0.389	0.389		0	20
1,2-Dibromoethane	0.330	0.326		-1.21	20
Tetrachloroethene	0.337	0.309		-8.31	20
Chlorobenzene	1.134	1.037	0.3	-8.55	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG No.: P4845

Instrument ID: MSVOA_N Calibration Date/Time: 11/26/2024 10:47

Lab File ID: VN085035.D Init. Calib. Date(s): 11/22/2024 11/22/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:22 13:45

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.840	1.834		-0.33	20
m/p-Xylenes	0.700	0.702		0.29	20
o-Xylene	0.666	0.674		1.2	20
Styrene	1.108	1.161		4.78	20
Bromoform	0.296	0.302	0.1	2.03	20
Isopropylbenzene	3.527	3.435		-2.61	20
1,1,2,2-Tetrachloroethane	1.205	1.090	0.3	-9.47	20
1,3-Dichlorobenzene	1.872	1.612		-13.89	20
1,4-Dichlorobenzene	1.911	1.568		-17.95	20
1,2-Dichlorobenzene	1.794	1.565		-12.77	20
1,2-Dibromo-3-Chloropropane	0.233	0.215		-7.72	20
1,2,4-Trichlorobenzene	0.975	0.807		-17.23	20
1,2,3-Trichlorobenzene	0.930	0.797		-14.3	20
1,2-Dichloroethane-d4	0.712	0.724		1.68	20
Dibromofluoromethane	0.337	0.341		1.19	20
Toluene-d8	1.208	1.216		0.66	20
4-Bromofluorobenzene	0.452	0.460		1.77	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085035.D
Acq On : 26 Nov 2024 10:47
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 27 05:08:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
Reviewed By :John Carlone 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	165251	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	275028	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	241627	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	122188	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	119612	50.815	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.620%			
35) Dibromofluoromethane	8.165	113	93863	50.608	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.220%			
50) Toluene-d8	10.565	98	334346	50.302	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.600%			
62) 4-Bromofluorobenzene	12.847	95	126470	50.879	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	86988	46.553	ug/l	99
3) Chloromethane	2.359	50	88393	40.786	ug/l	98
4) Vinyl Chloride	2.512	62	86567	44.447	ug/l	96
5) Bromomethane	2.901	94	49583	45.421	ug/l	90
6) Chloroethane	3.071	64	57871	44.083	ug/l	97
7) Trichlorofluoromethane	3.465	101	154996	46.782	ug/l	93
8) Diethyl Ether	3.953	74	56604	50.196	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.353	101	91007	48.431	ug/l	98
10) Methyl Iodide	4.577	142	119092	47.879	ug/l	98
11) Tert butyl alcohol	5.530	59	80698	256.548	ug/l	98
12) 1,1-Dichloroethene	4.324	96	78575	44.798	ug/l	91
13) Acrolein	4.171	56	59109	281.617	ug/l	97
14) Allyl chloride	5.006	41	139494	47.177	ug/l	99
15) Acrylonitrile	5.712	53	228268	256.323	ug/l	99
16) Acetone	4.424	43	205454	299.696	ug/l	99
17) Carbon Disulfide	4.700	76	212448	41.036	ug/l #	95
18) Methyl Acetate	5.018	43	113983	52.067	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	289081	50.444	ug/l	96
20) Methylene Chloride	5.271	84	94579	45.211	ug/l	97
21) trans-1,2-Dichloroethene	5.777	96	85306	46.217	ug/l	89
22) Diisopropyl ether	6.665	45	287174	48.256	ug/l	98
23) Vinyl Acetate	6.594	43	1045347	254.620	ug/l	100
24) 1,1-Dichloroethane	6.559	63	170129	47.772	ug/l	99
25) 2-Butanone	7.477	43	301302	268.827	ug/l	97
26) 2,2-Dichloropropane	7.483	77	159487	47.960	ug/l	99
27) cis-1,2-Dichloroethene	7.477	96	105445	47.388	ug/l	99
28) Bromochloromethane	7.806	49	70930	52.763	ug/l	96
29) Tetrahydrofuran	7.835	42	188589	270.576	ug/l	99
30) Chloroform	7.965	83	178414	47.097	ug/l	100
31) Cyclohexane	8.247	56	139498	44.490	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	163779	47.843	ug/l	97
36) 1,1-Dichloropropene	8.365	75	117675	46.842	ug/l	99
37) Ethyl Acetate	7.559	43	118425	51.854	ug/l	99
38) Carbon Tetrachloride	8.353	117	144467	49.820	ug/l	96
39) Methylcyclohexane	9.594	83	126903	48.612	ug/l	97
40) Benzene	8.600	78	376473	47.382	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085035.D
Acq On : 26 Nov 2024 10:47
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 27 05:08:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
Reviewed By :John Carlone 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	65929	52.138	ug/l		100
42) 1,2-Dichloroethane	8.665	62	130709	48.086	ug/l		99
43) Isopropyl Acetate	8.688	43	204526	43.113	ug/l		98
44) Trichloroethene	9.347	130	85290	46.190	ug/l		100
45) 1,2-Dichloropropane	9.618	63	91973	46.997	ug/l		99
46) Dibromomethane	9.706	93	64931	47.749	ug/l		99
47) Bromodichloromethane	9.882	83	141097	48.956	ug/l		100
48) Methyl methacrylate	9.677	41	93375	52.894	ug/l		97
49) 1,4-Dioxane	9.694	88	34112	1114.269	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.441	43	600962	277.350	ug/l		100
52) Toluene	10.629	92	234962	49.952	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	142310	49.251	ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	151354	49.375	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	89600	51.140	ug/l		96
56) Ethyl methacrylate	10.871	69	142968	55.843	ug/l		100
57) 1,3-Dichloropropane	11.159	76	150879	48.930	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	355968	283.452	ug/l		100
59) 2-Hexanone	11.194	43	460526	284.177	ug/l		100
60) Dibromochloromethane	11.359	129	106871	49.911	ug/l		98
61) 1,2-Dibromoethane	11.465	107	89530	49.376	ug/l		98
64) Tetrachloroethene	11.100	164	74782	45.931	ug/l		98
65) Chlorobenzene	11.888	112	250659	45.742	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	92972	48.188	ug/l		100
67) Ethyl Benzene	11.959	91	443095	49.840	ug/l		97
68) m/p-Xylenes	12.070	106	339462	100.293	ug/l		99
69) o-Xylene	12.394	106	162920	50.601	ug/l		98
70) Styrene	12.412	104	280474	52.383	ug/l		98
71) Bromoform	12.576	173	72990	50.965	ug/l	#	99
73) Isopropylbenzene	12.694	105	419656	48.684	ug/l		100
74) N-amyl acetate	12.494	43	178728	50.317	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	133209	45.255	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	120601m	54.263	ug/l		
77) Bromobenzene	12.976	156	103430	44.588	ug/l		98
78) n-propylbenzene	13.035	91	493597	49.646	ug/l		100
79) 2-Chlorotoluene	13.123	91	309810	46.679	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	365114	50.477	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	48522	48.196	ug/l		96
82) 4-Chlorotoluene	13.217	91	314077	45.458	ug/l		99
83) tert-Butylbenzene	13.435	119	301224	48.401	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	368938	49.551	ug/l		100
85) sec-Butylbenzene	13.617	105	422441	50.248	ug/l		100
86) p-Isopropyltoluene	13.729	119	356706	51.398	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	197023	43.061	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	191649	41.046	ug/l		98
89) n-Butylbenzene	14.053	91	300928	46.626	ug/l		99
90) Hexachloroethane	14.329	117	70124	46.355	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	191208	43.611	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26254	46.125	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	98547	41.373	ug/l		98
94) Hexachlorobutadiene	15.500	225	46007	41.852	ug/l		99
95) Naphthalene	15.641	128	314130	46.305	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	97421	42.865	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085035.D
Acq On : 26 Nov 2024 10:47
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 27 05:08:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085035.D
Acq On : 26 Nov 2024 10:47
Operator : JC\MD
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Misc : 5.0mL/MSVOA_N/WATER
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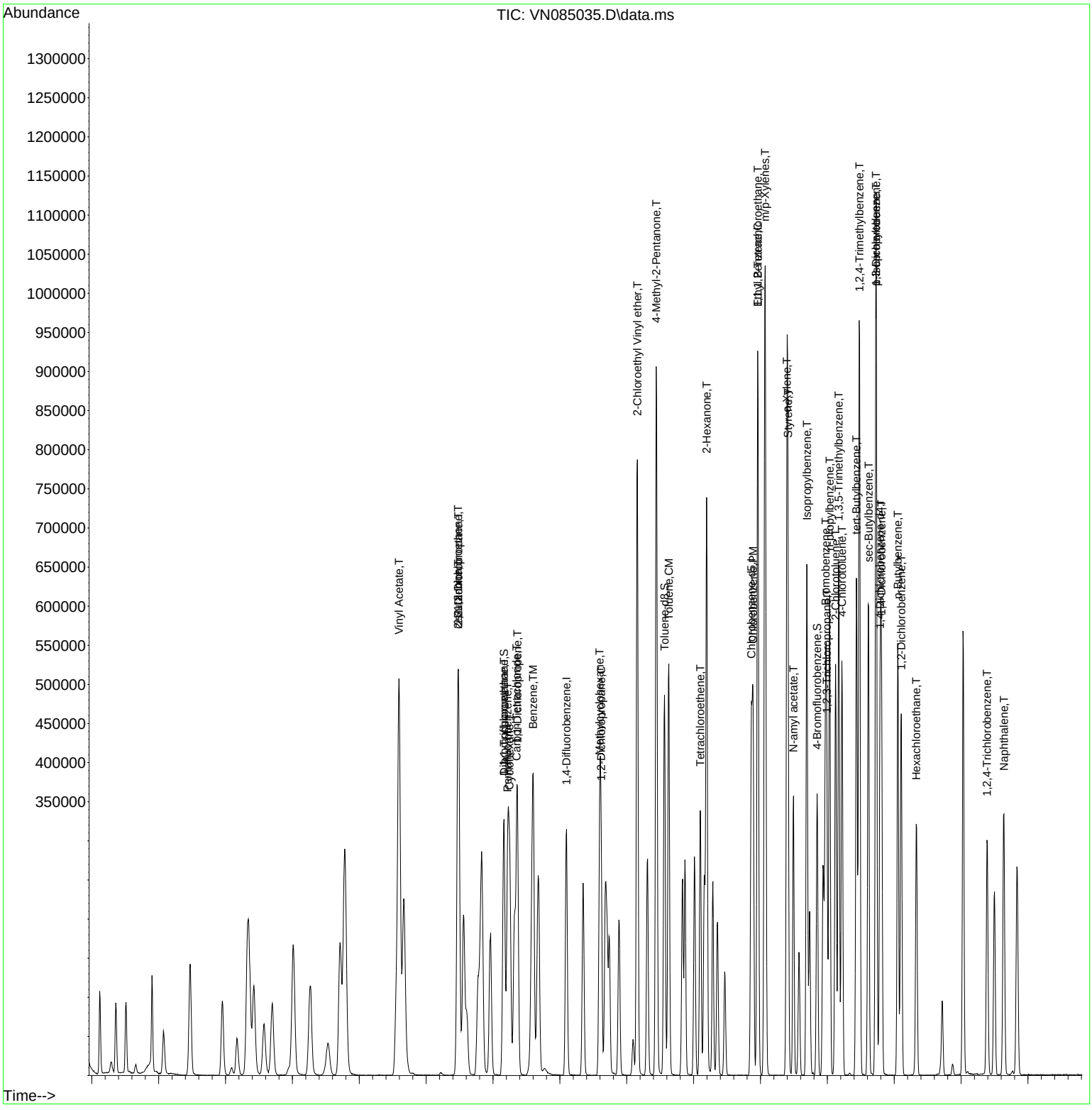
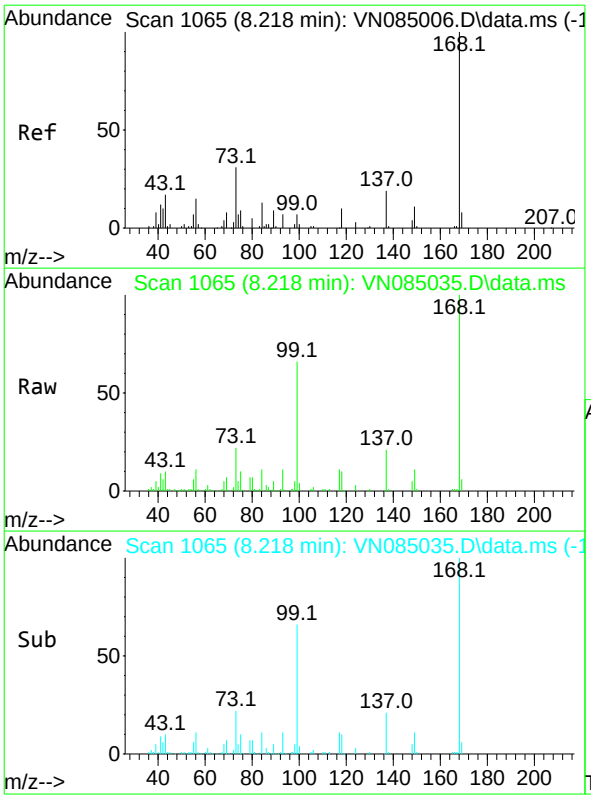
Quant Time: Nov 27 05:08:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

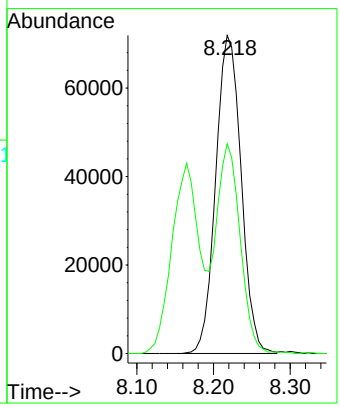




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:168 Resp: 165251

Ion	Ratio	Lower	Upper
168	100		
99	65.6	51.2	76.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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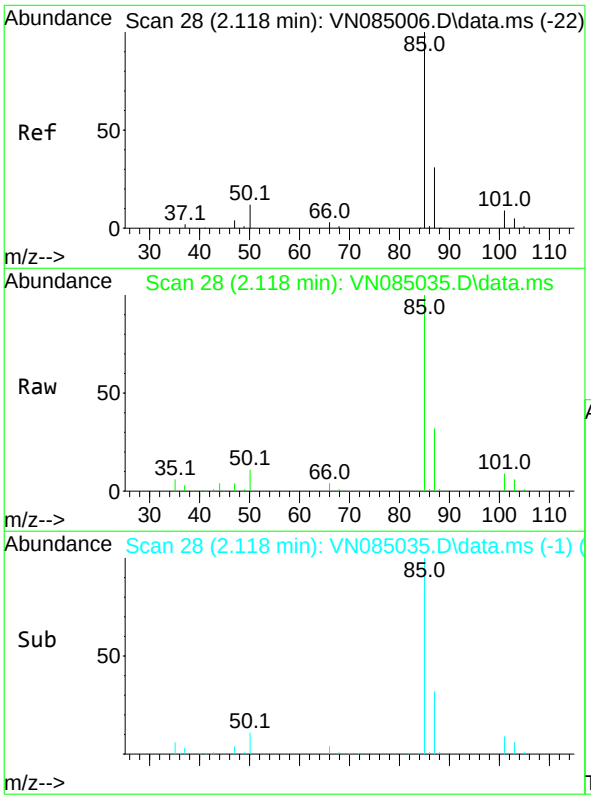
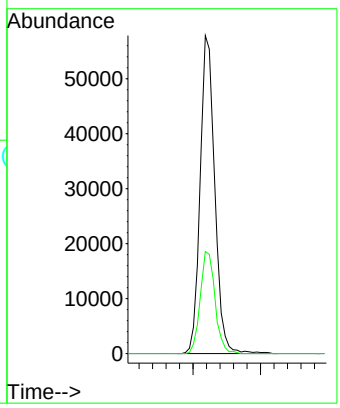
Supervised By :Mahesh Dadoda 11/27/2024

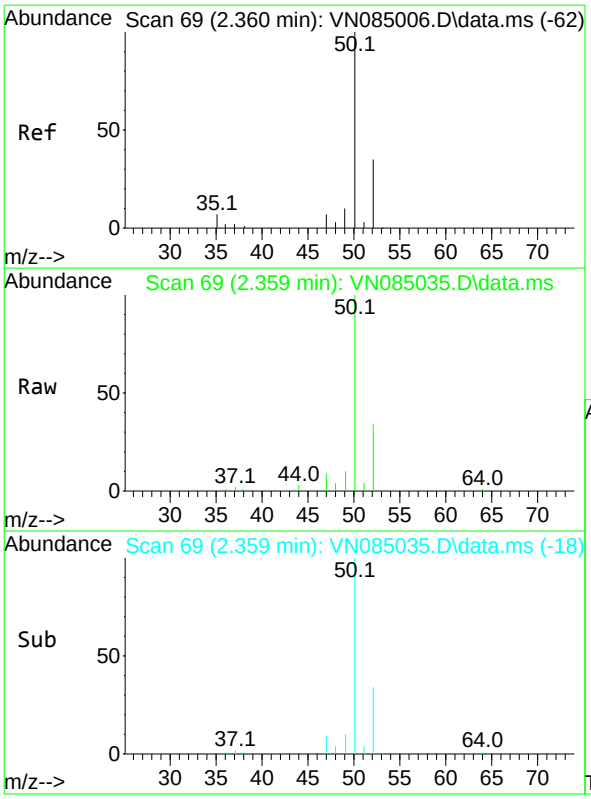


#2
Dichlorodifluoromethane
Concen: 46.553 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 85 Resp: 86988

Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.7	47.1

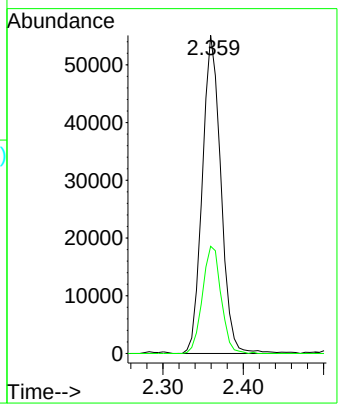




#3
Chloromethane
Concen: 40.786 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 50 Resp: 88393

Ion	Ratio	Lower	Upper
50	100		
52	33.7	27.8	41.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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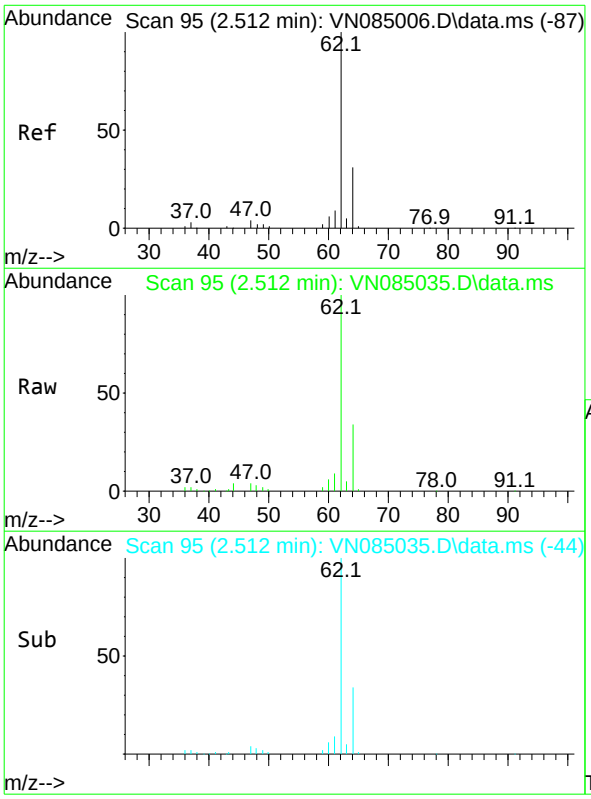
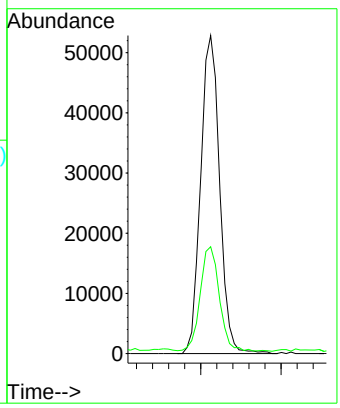
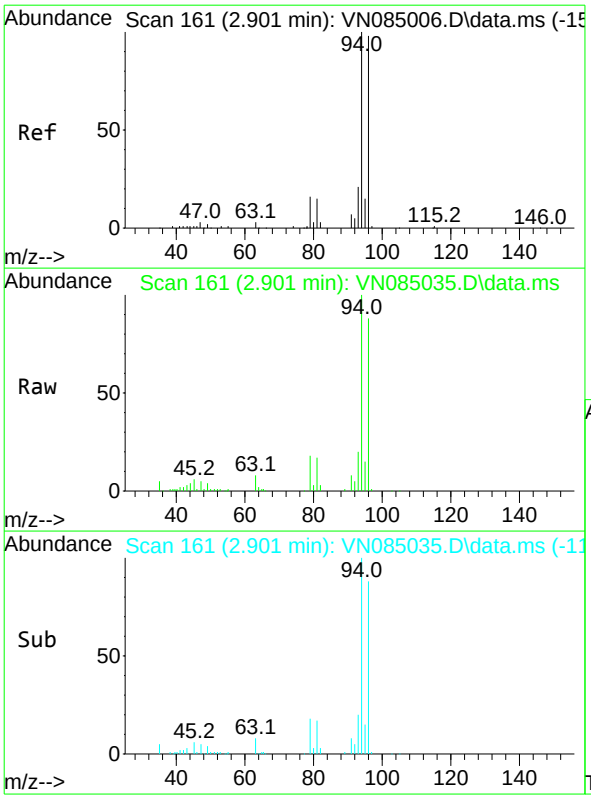


#4
Vinyl Chloride
Concen: 44.447 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 62 Resp: 86567

Ion	Ratio	Lower	Upper
62	100		
64	32.7	24.6	36.8

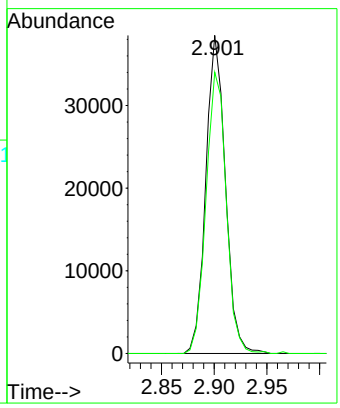




#5
Bromomethane
Concen: 45.421 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 94 Resp: 49583

Ion	Ratio	Lower	Upper
94	100		
96	88.4	78.7	118.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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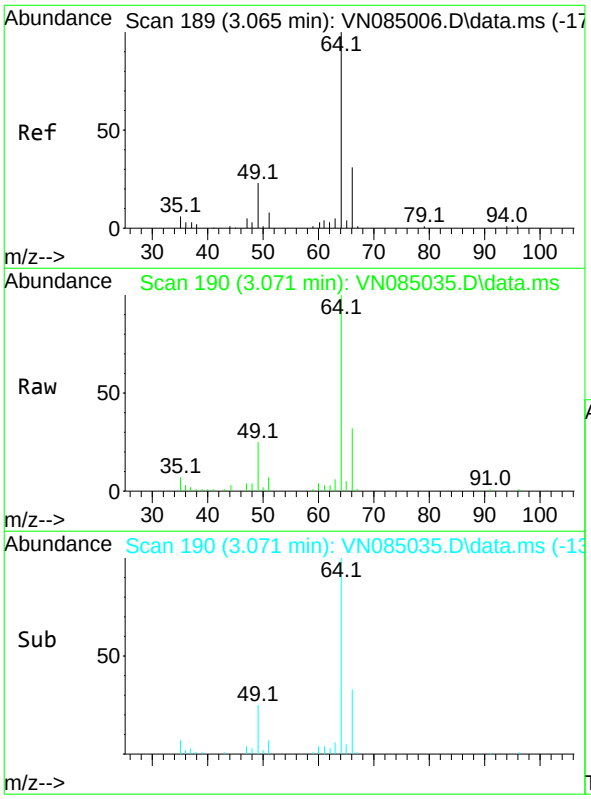
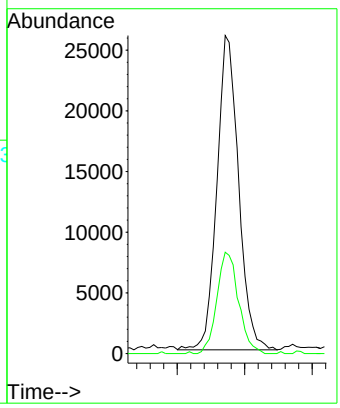
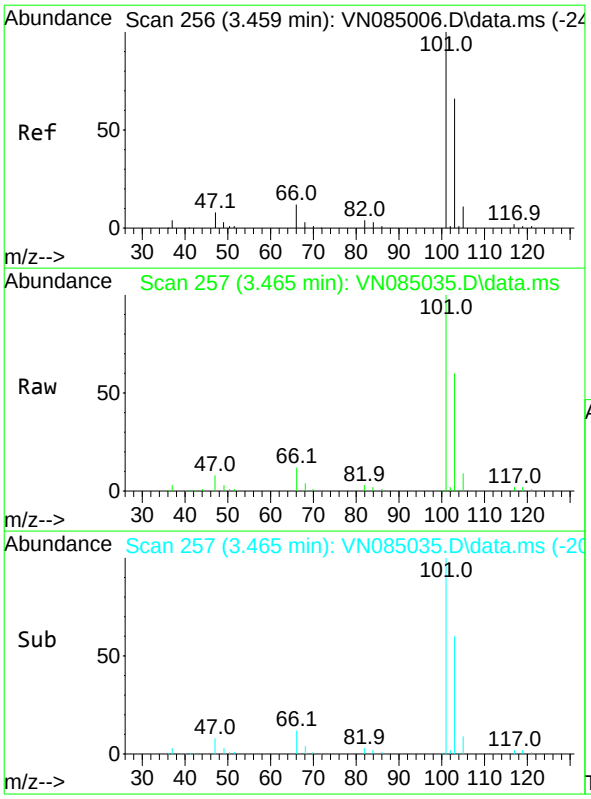


#6
Chloroethane
Concen: 44.083 ug/l
RT: 3.071 min Scan# 190
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 64 Resp: 57871

Ion	Ratio	Lower	Upper
64	100		
66	32.3	24.4	36.6

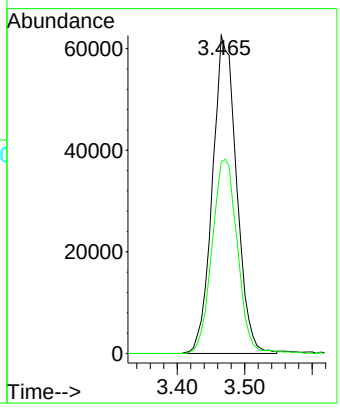




#7
Trichlorofluoromethane
Concen: 46.782 ug/l
RT: 3.465 min Scan# 25
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:101 Resp: 154996

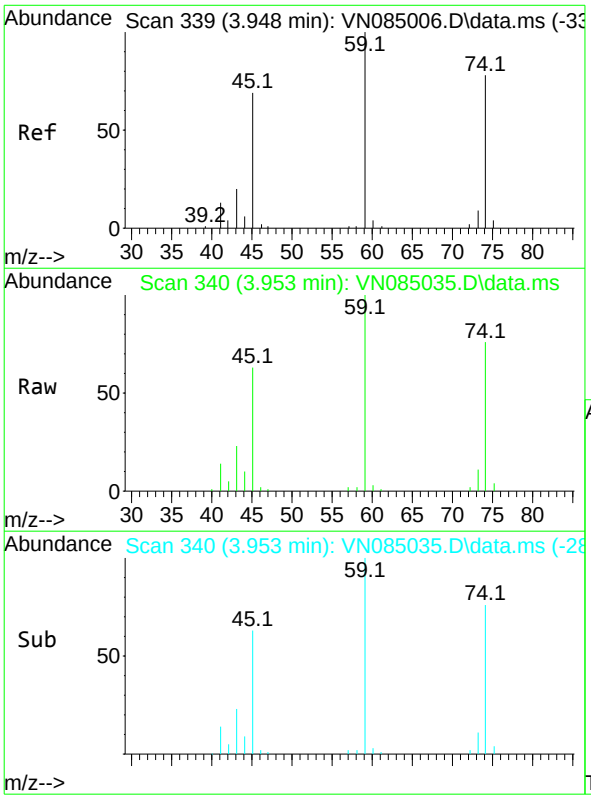
Ion	Ratio	Lower	Upper
101	100		
103	60.2	52.6	78.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

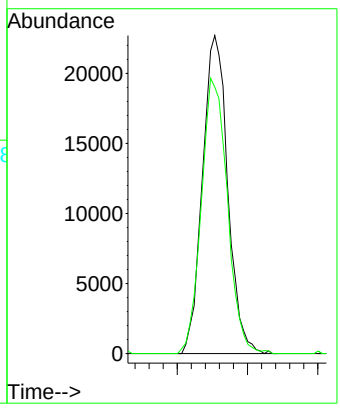
Reviewed By :John Carlone 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

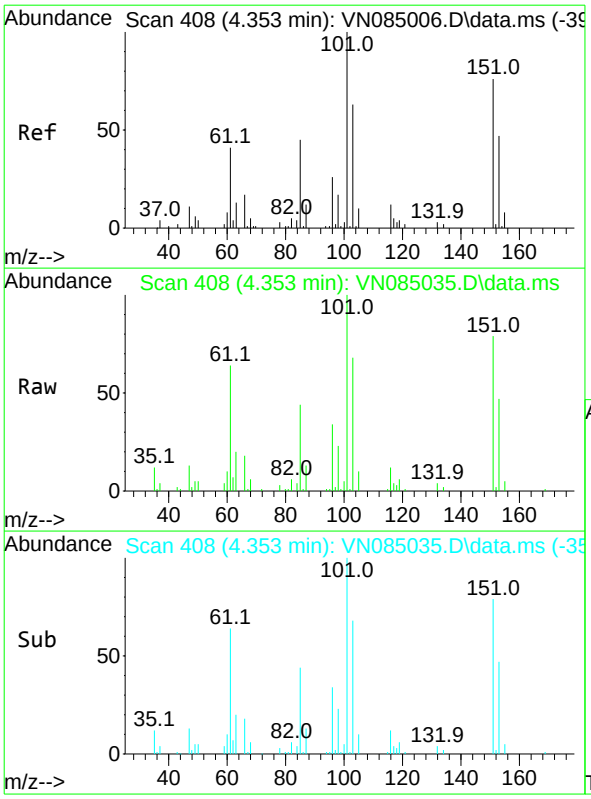


#8
Diethyl Ether
Concen: 50.196 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 74 Resp: 56604

Ion	Ratio	Lower	Upper
74	100		
45	89.4	46.7	140.1

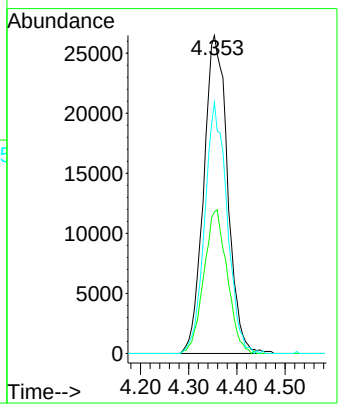




#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.431 ug/l
RT: 4.353 min Scan# 40
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:101 Resp: 91007

Ion	Ratio	Lower	Upper
101	100		
85	44.3	36.9	55.3
151	74.3	60.8	91.2



Instrument :
MSVOA_N
ClientSampleId :
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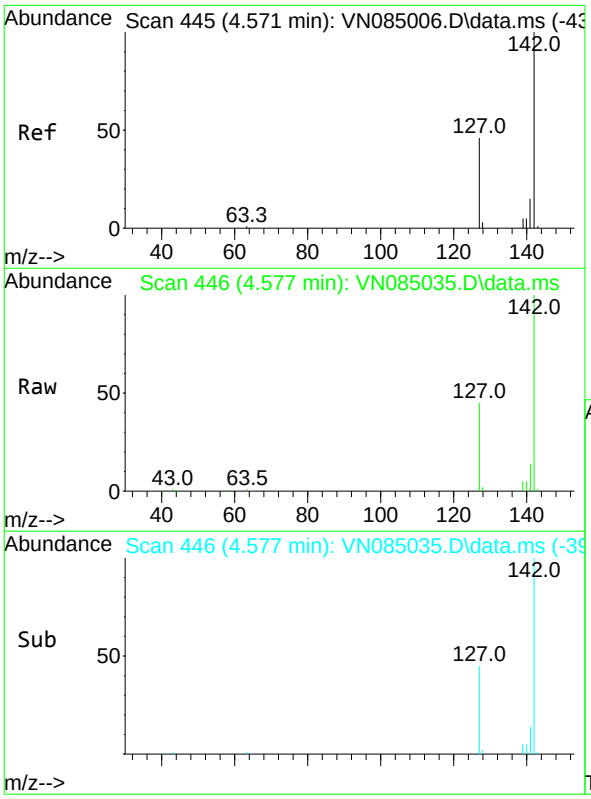
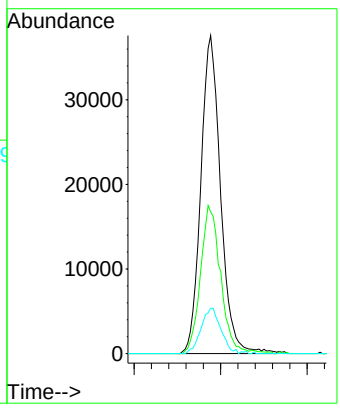
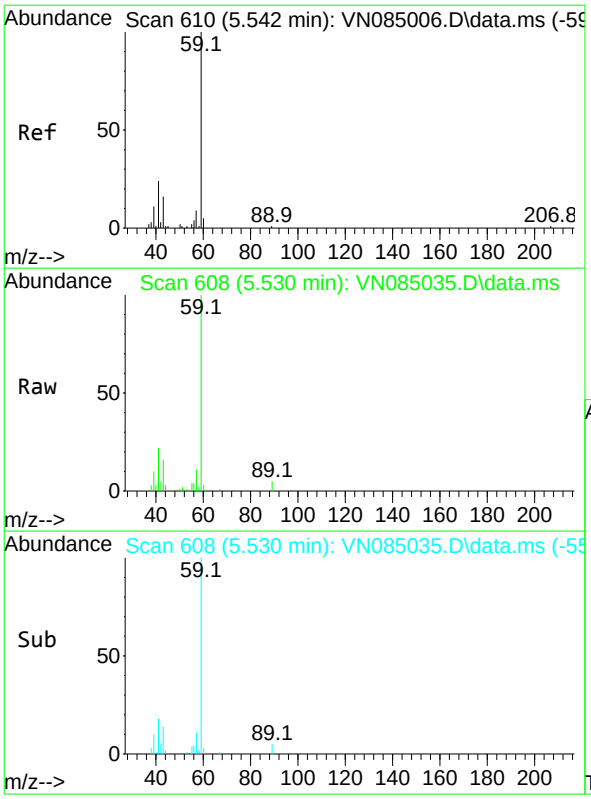


#10
Methyl Iodide
Concen: 47.879 ug/l
RT: 4.577 min Scan# 446
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:142 Resp: 119092

Ion	Ratio	Lower	Upper
142	100		
127	44.6	36.6	54.8
141	14.2	12.2	18.4

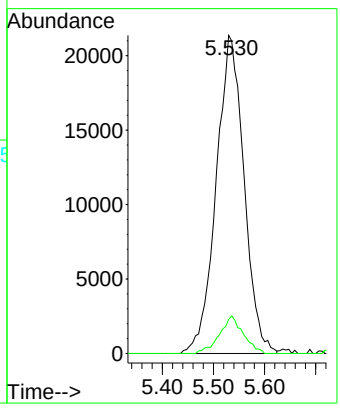




#11
Tert butyl alcohol
Concen: 256.548 ug/l
RT: 5.530 min Scan# 60
Delta R.T. -0.012 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 59 Resp: 80698

Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.4	11.0



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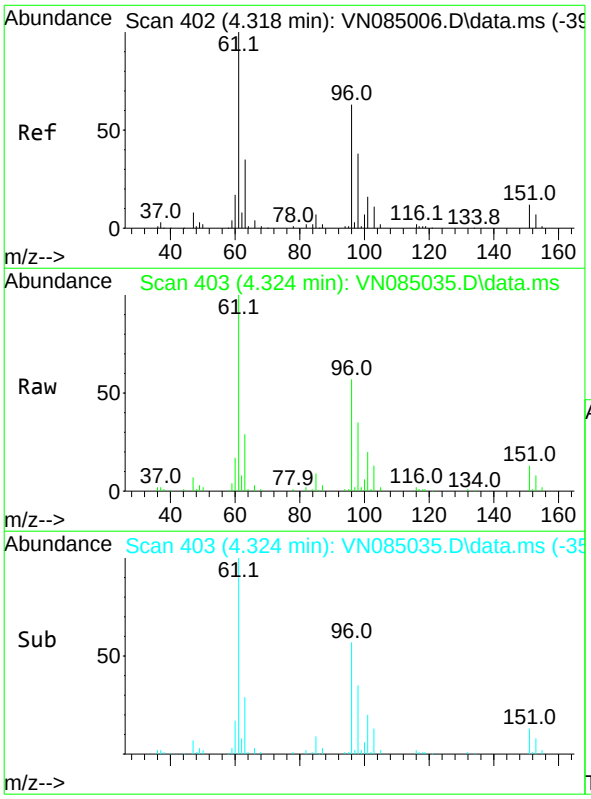
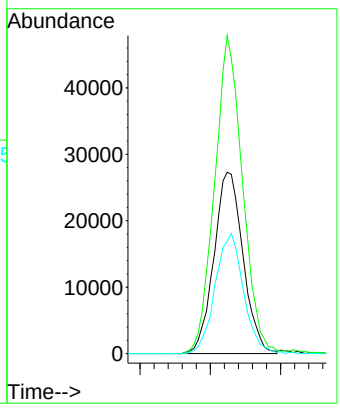
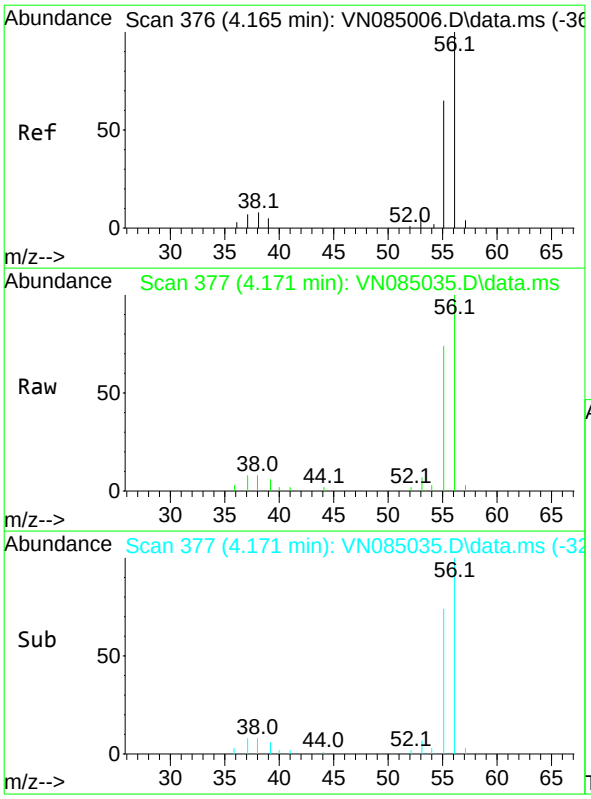


#12
1,1-Dichloroethene
Concen: 44.798 ug/l
RT: 4.324 min Scan# 403
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 96 Resp: 78575

Ion	Ratio	Lower	Upper
96	100		
61	175.4	127.8	191.8
98	62.0	49.2	73.8

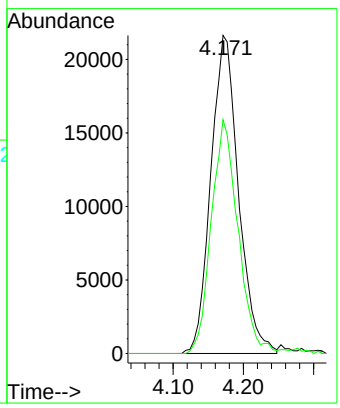




#13
Acrolein
Concen: 281.617 ug/l
RT: 4.171 min Scan# 37
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 56 Resp: 59109

Ion	Ratio	Lower	Upper
56	100		
55	70.8	54.5	81.7



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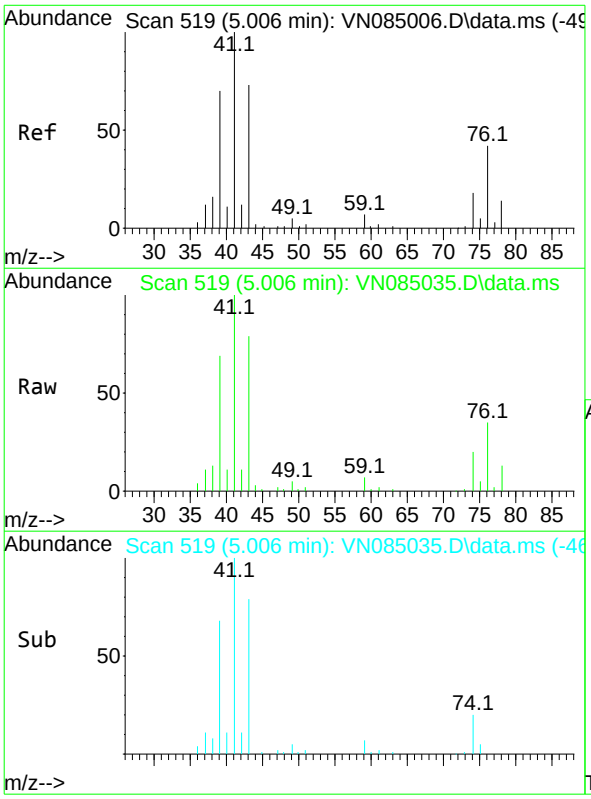
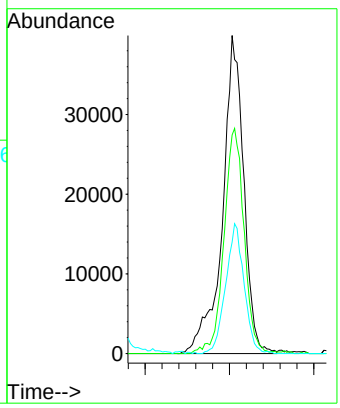
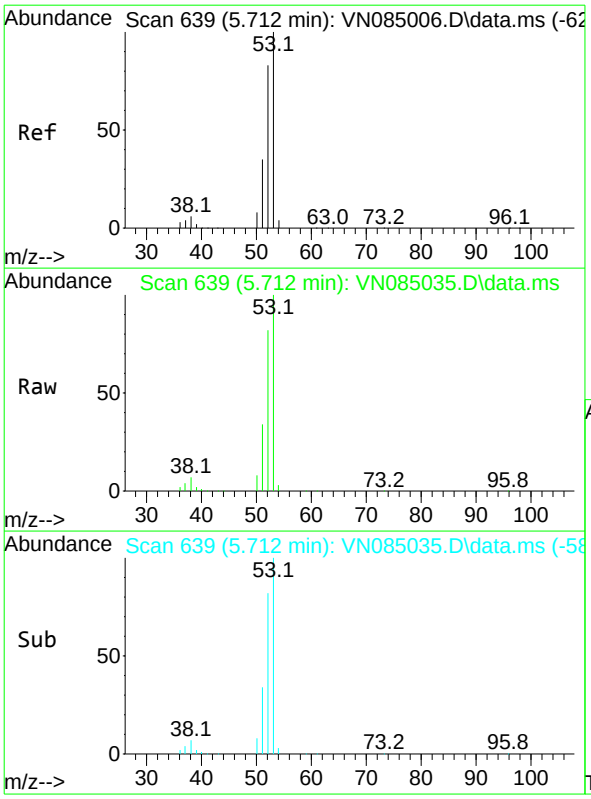


#14
Allyl chloride
Concen: 47.177 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 41 Resp: 139494

Ion	Ratio	Lower	Upper
41	100		
39	66.9	53.8	80.8
76	35.5	29.3	43.9

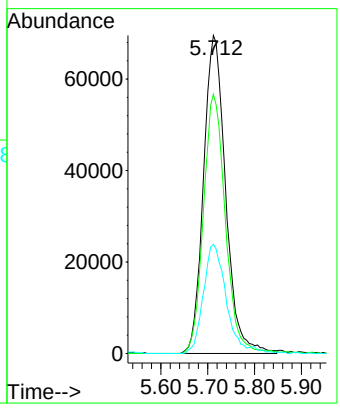




#15
Acrylonitrile
Concen: 256.323 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 53 Resp: 228268

Ion	Ratio	Lower	Upper
53	100		
52	80.7	65.5	98.3
51	34.7	28.4	42.6



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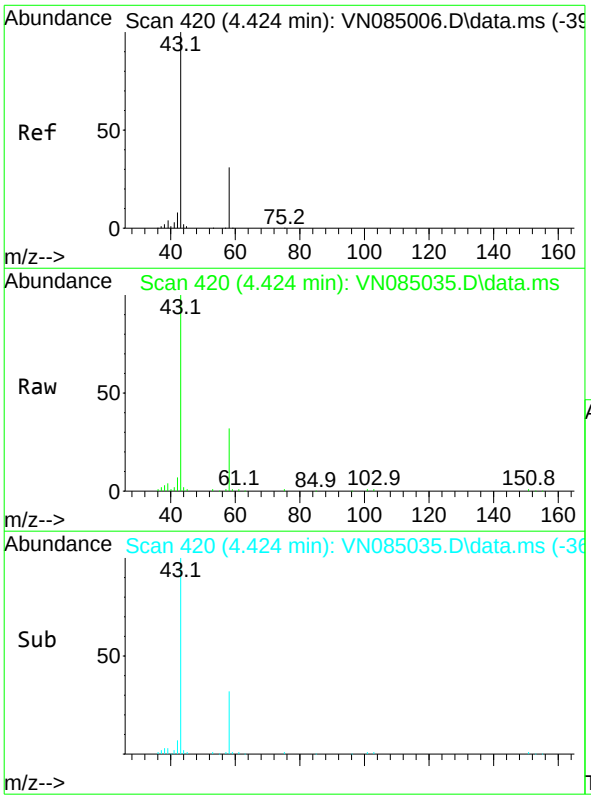
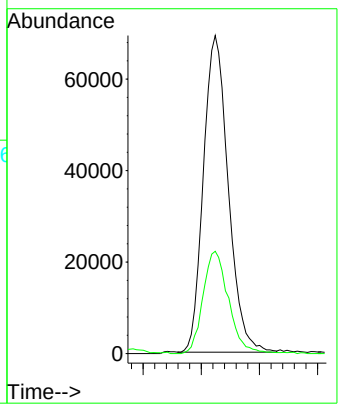
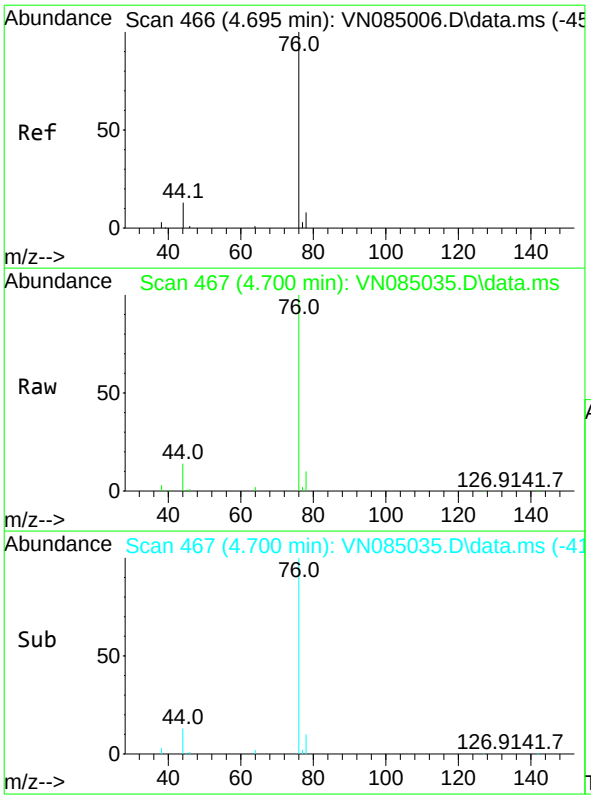


#16
Acetone
Concen: 299.696 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 43 Resp: 205454

Ion	Ratio	Lower	Upper
43	100		
58	32.3	25.4	38.2

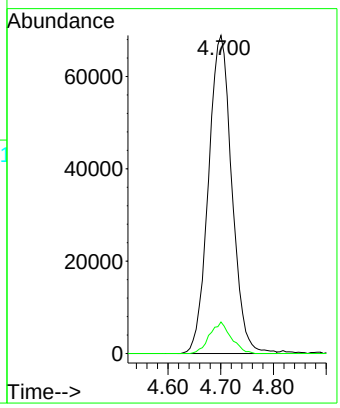




#17
Carbon Disulfide
Concen: 41.036 ug/l
RT: 4.700 min Scan# 46
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 76 Resp: 212448

Ion	Ratio	Lower	Upper
76	100		
78	9.9	6.5	9.7#



Instrument :
MSVOA_N
ClientSampleId :
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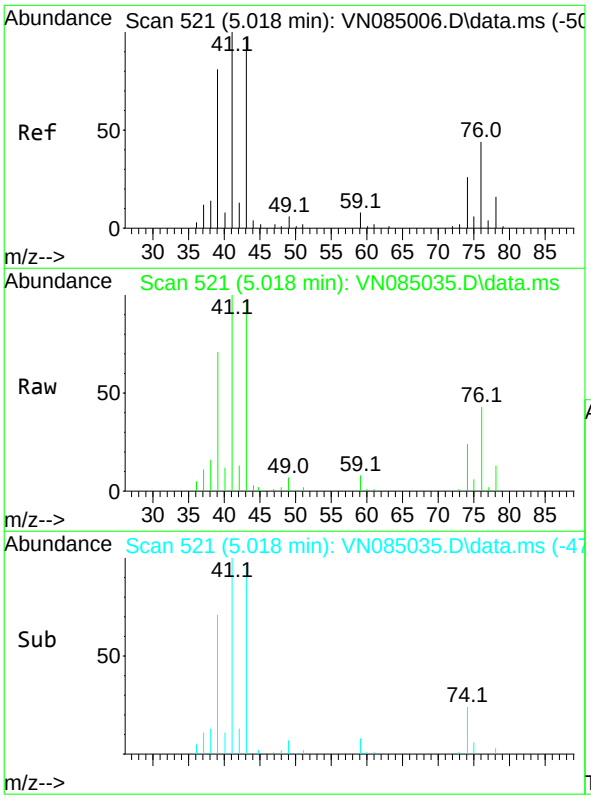
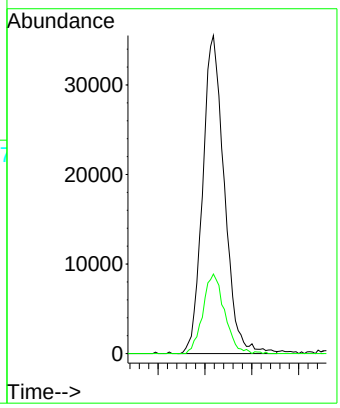
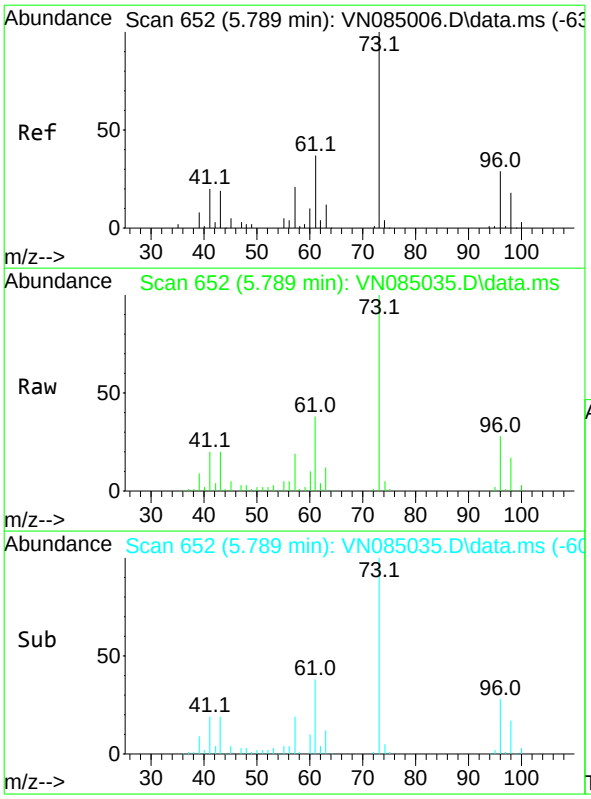


#18
Methyl Acetate
Concen: 52.067 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 43 Resp: 113983

Ion	Ratio	Lower	Upper
43	100		
74	24.9	20.1	30.1

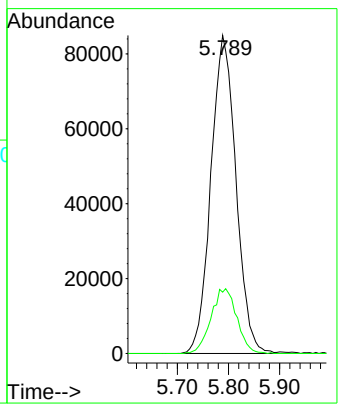




#19
Methyl tert-butyl Ether
Concen: 50.444 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 73 Resp: 289081

Ion	Ratio	Lower	Upper
73	100		
57	19.3	17.0	25.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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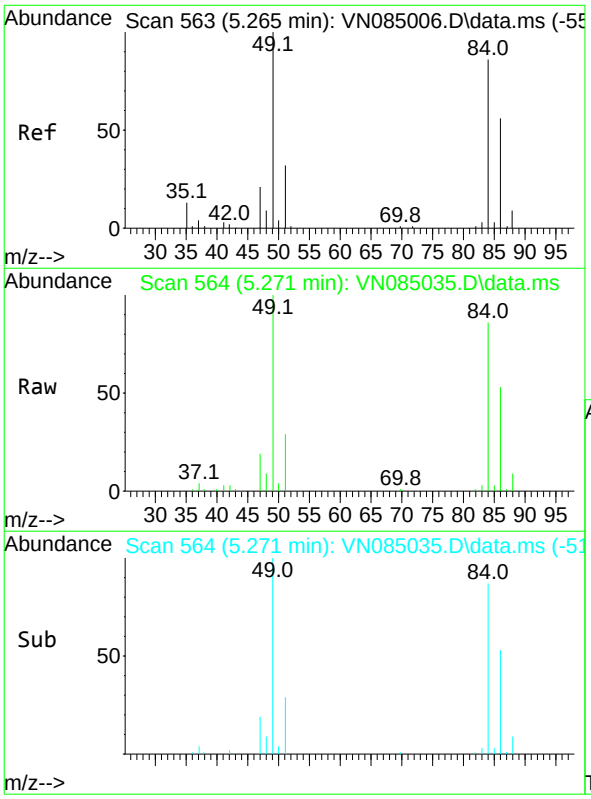
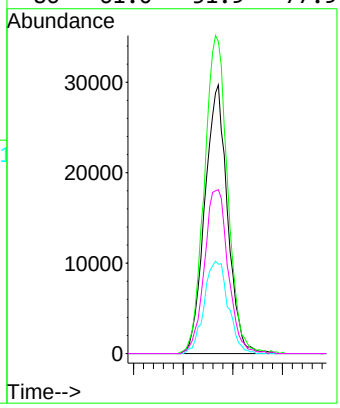
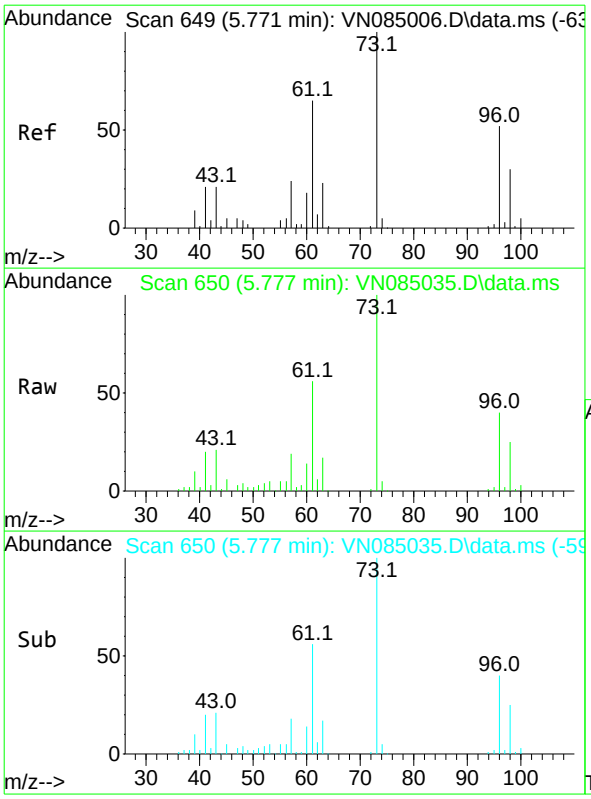


#20
Methylene Chloride
Concen: 45.211 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 84 Resp: 94579

Ion	Ratio	Lower	Upper
84	100		
49	116.1	92.7	139.1
51	33.3	29.4	44.2
86	61.0	51.9	77.9

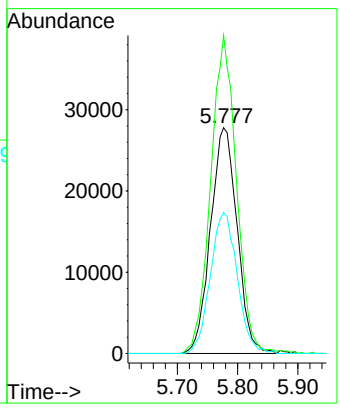




#21
trans-1,2-Dichloroethene
Concen: 46.217 ug/l
RT: 5.777 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 96 Resp: 85306

Ion	Ratio	Lower	Upper
96	100		
61	140.8	100.7	151.1
98	62.4	45.8	68.6



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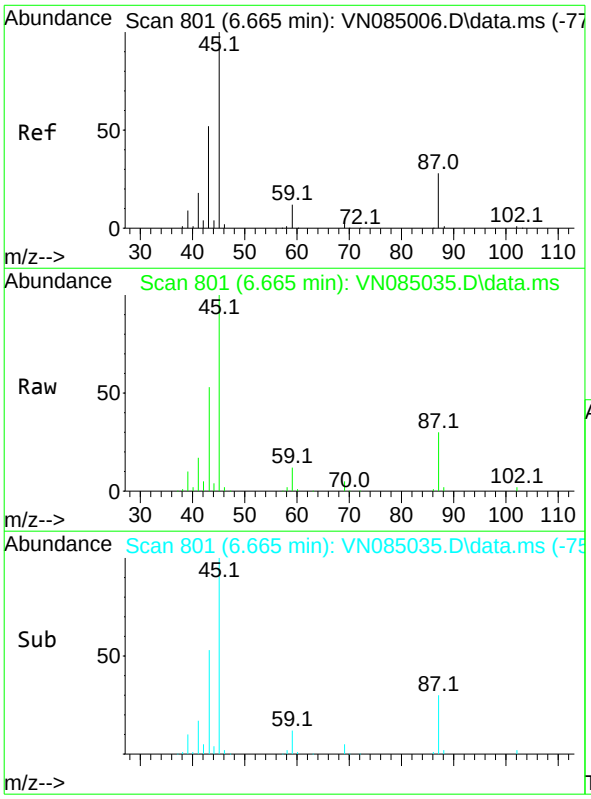
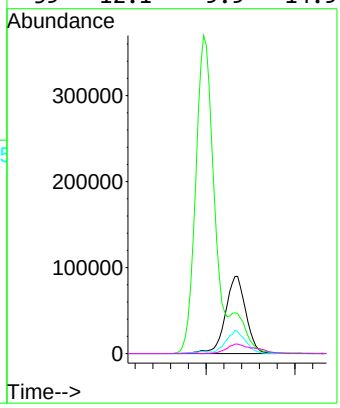
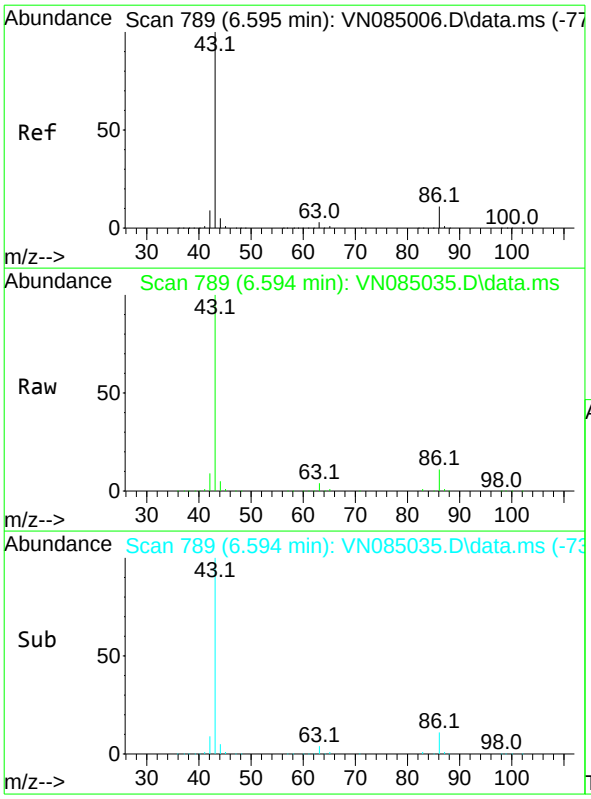


#22
Diisopropyl ether
Concen: 48.256 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 45 Resp: 287174

Ion	Ratio	Lower	Upper
45	100		
43	51.8	42.7	64.1
87	30.0	22.6	34.0
59	12.1	9.9	14.9

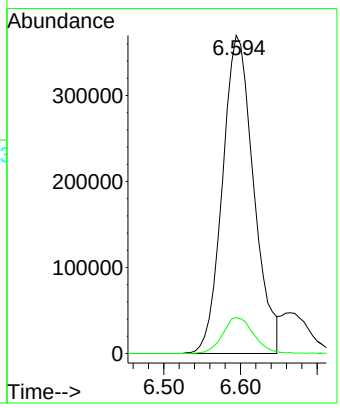




#23
Vinyl Acetate
Concen: 254.620 ug/l
RT: 6.594 min Scan# 78
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 43 Resp: 1045347

Ion	Ratio	Lower	Upper
43	100		
86	11.3	8.9	13.3



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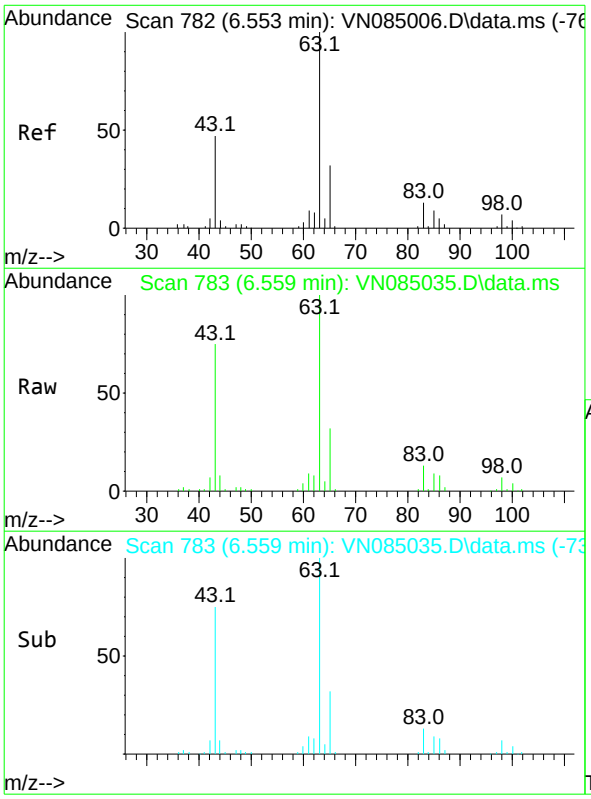
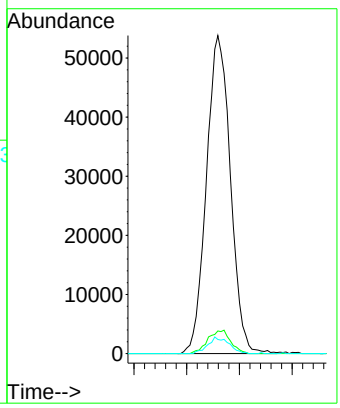
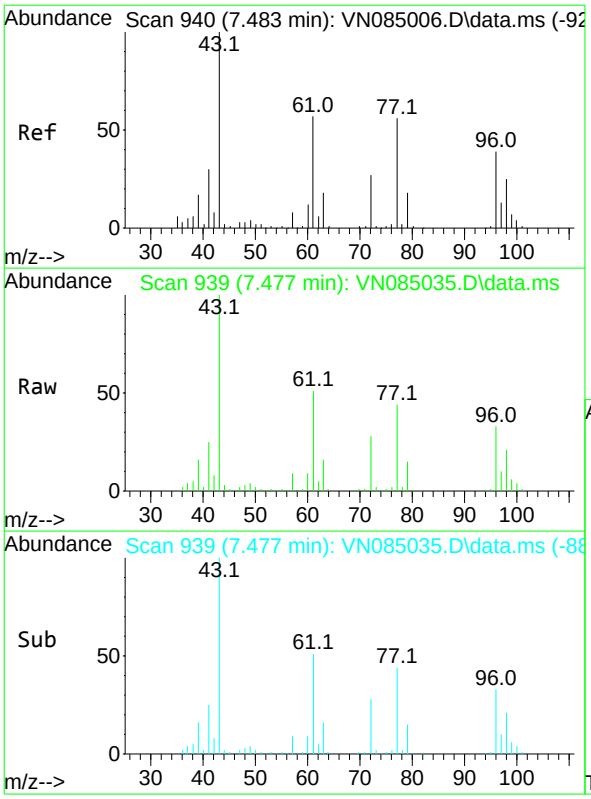


#24
1,1-Dichloroethane
Concen: 47.772 ug/l
RT: 6.559 min Scan# 783
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 63 Resp: 170129

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.3	9.8
100	4.4	2.2	6.6

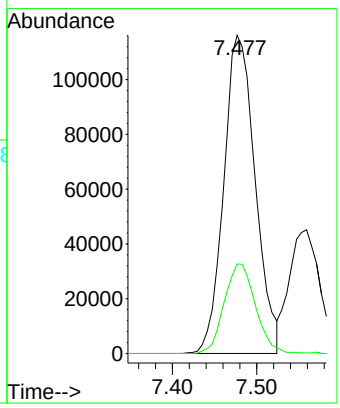




#25
2-Butanone
Concen: 268.827 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 43 Resp: 301302

Ion	Ratio	Lower	Upper
43	100		
72	28.2	21.4	32.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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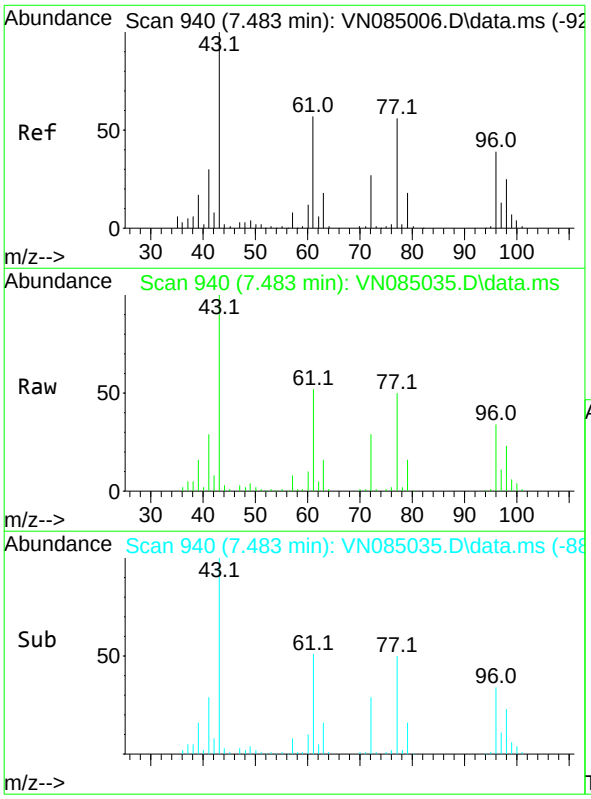
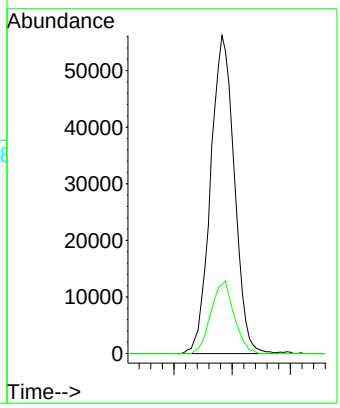
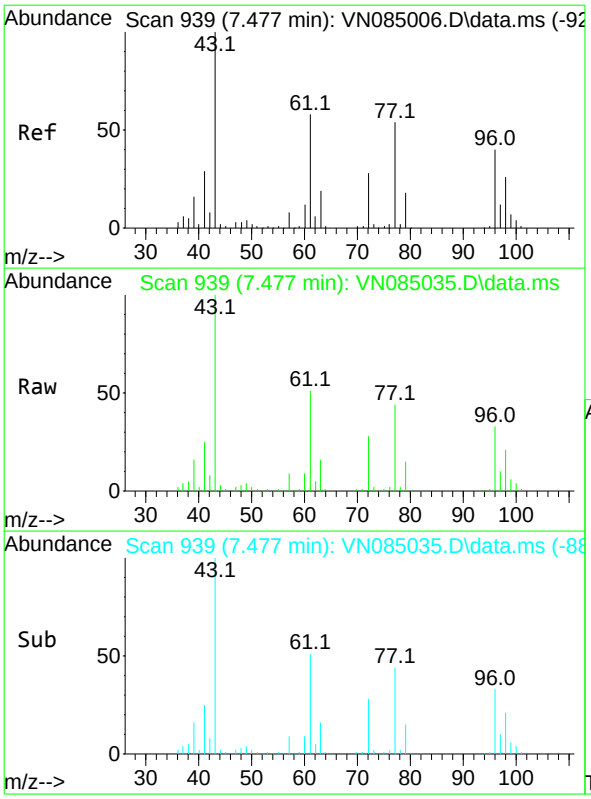


#26
2,2-Dichloropropane
Concen: 47.960 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 77 Resp: 159487

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.9	32.7

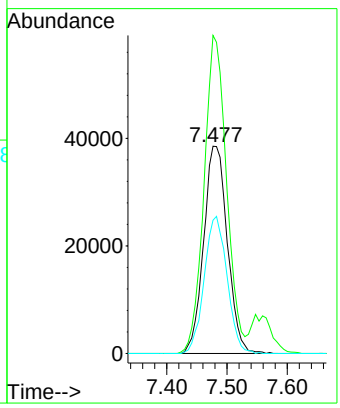




#27
cis-1,2-Dichloroethene
Concen: 47.388 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 96 Resp: 105445

Ion	Ratio	Lower	Upper
96	100		
61	145.6	0.0	291.6
98	63.8	0.0	129.8



Instrument :
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ClientSampleId :
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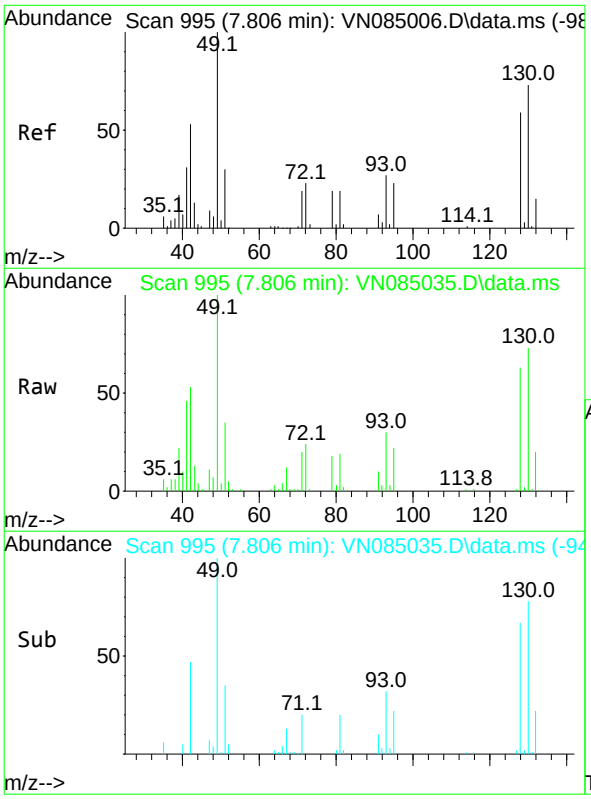
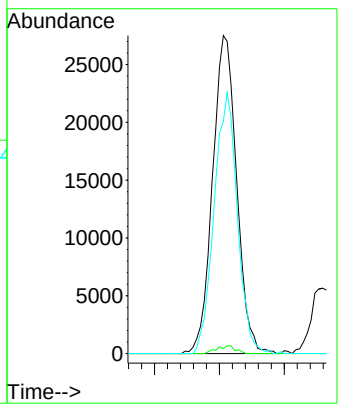
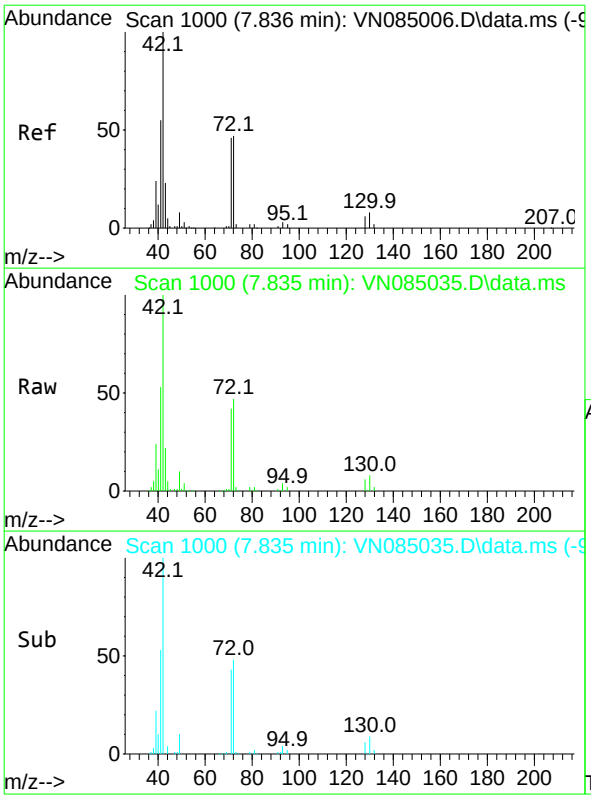


#28
Bromochloromethane
Concen: 52.763 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 49 Resp: 70930

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	79.0	60.6	90.8

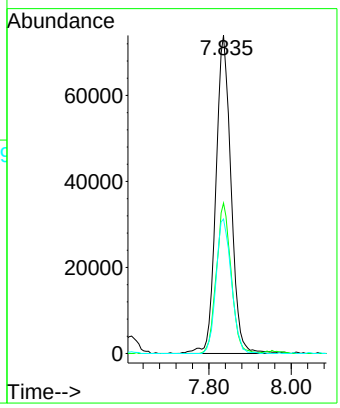




#29
Tetrahydrofuran
Concen: 270.576 ug/l
RT: 7.835 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 42 Resp: 188589

Ion	Ratio	Lower	Upper
42	100		
72	46.0	37.0	55.4
71	42.9	35.0	52.4



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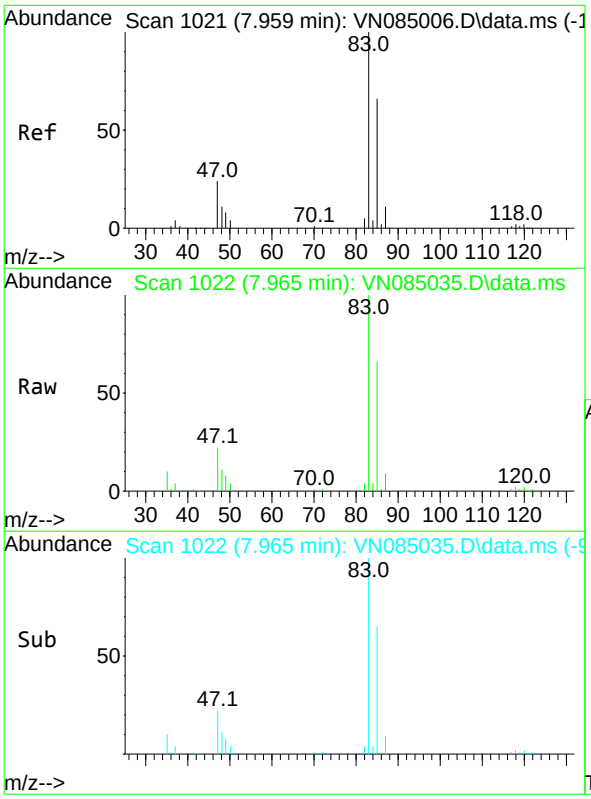
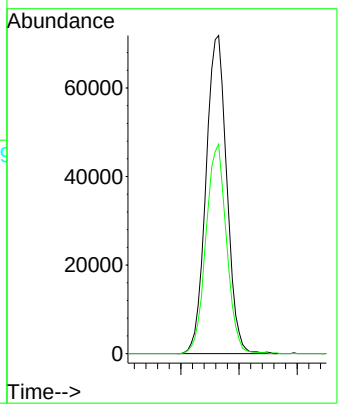
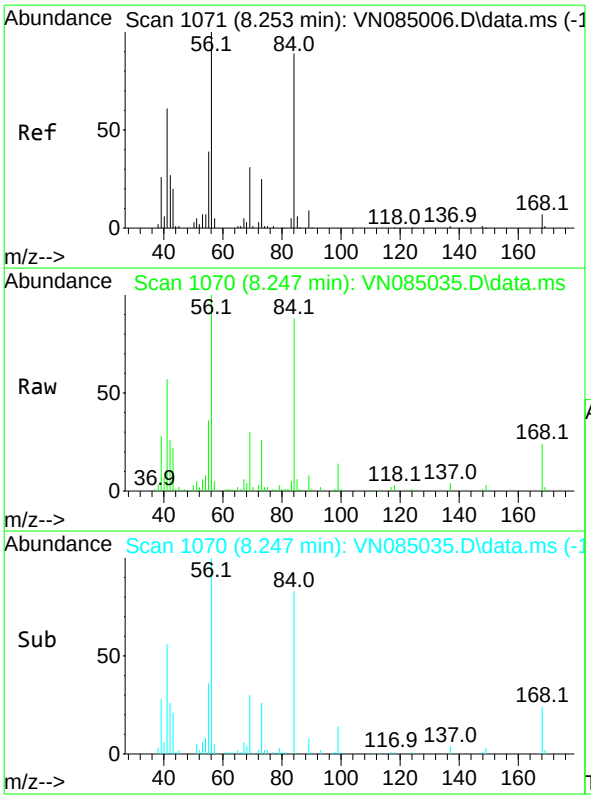


#30
Chloroform
Concen: 47.097 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 83 Resp: 178414

Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.6	78.8

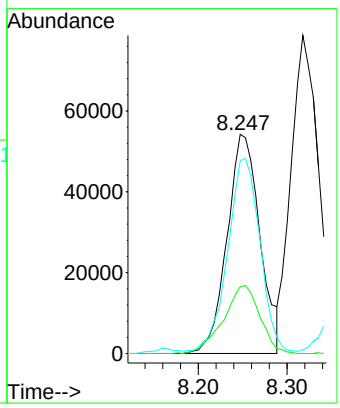




#31
Cyclohexane
Concen: 44.490 ug/l
RT: 8.247 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 56 Resp: 139498

Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.6	36.8
84	86.5	71.4	107.2



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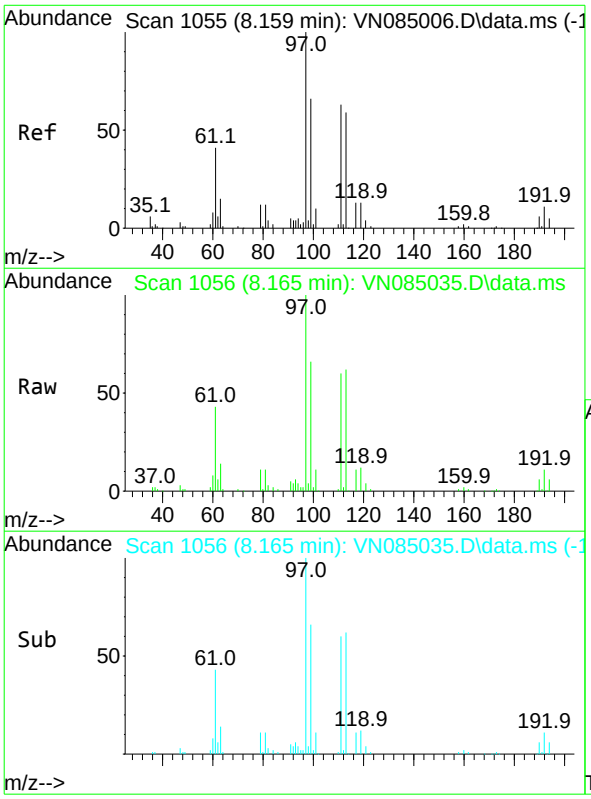
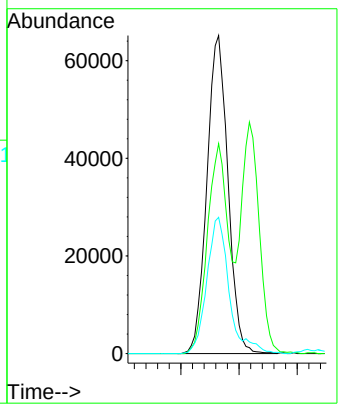
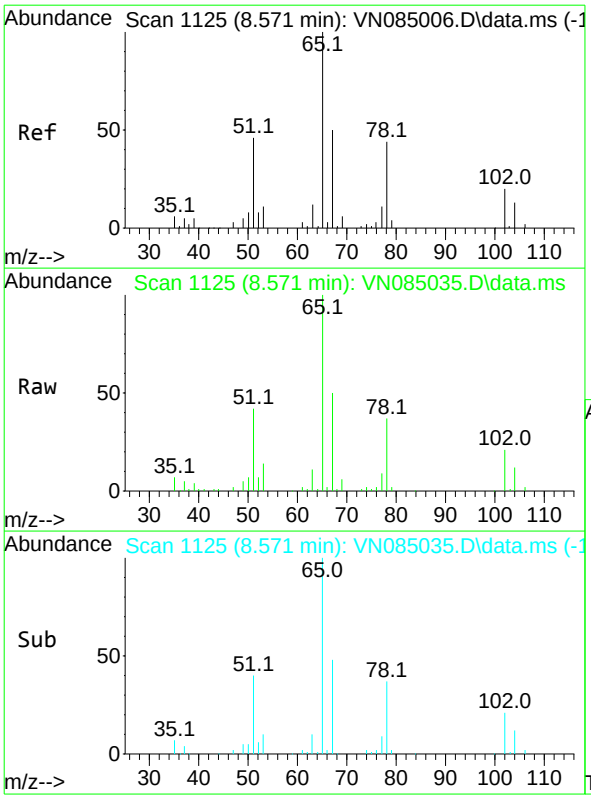


#32
1,1,1-Trichloroethane
Concen: 47.843 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 97 Resp: 163779

Ion	Ratio	Lower	Upper
97	100		
99	67.4	51.0	76.4
61	45.5	36.2	54.2

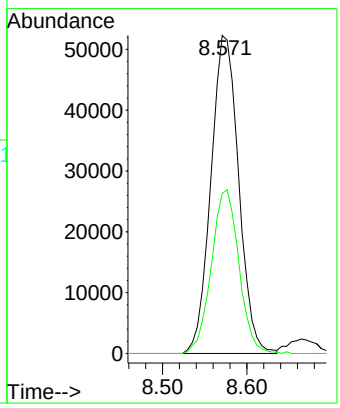




#33
1,2-Dichloroethane-d4
Concen: 50.815 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 65 Resp: 119612

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	105.0



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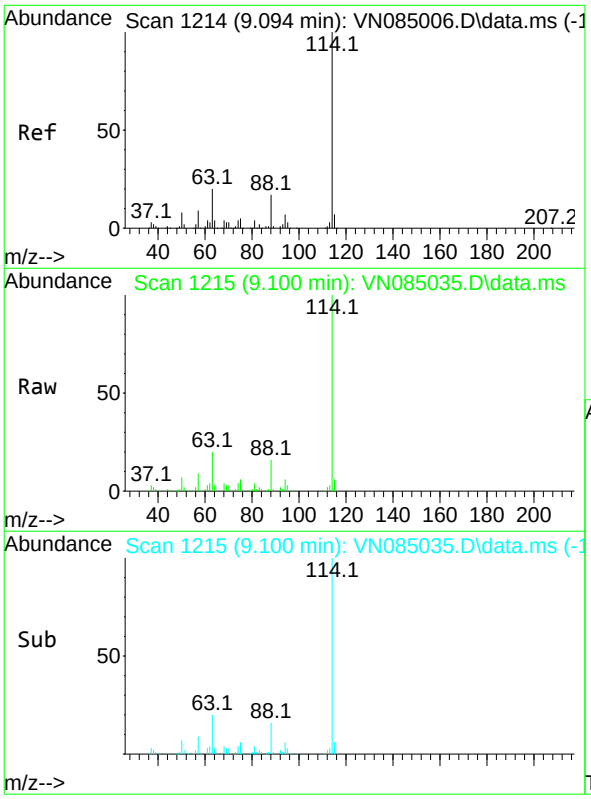
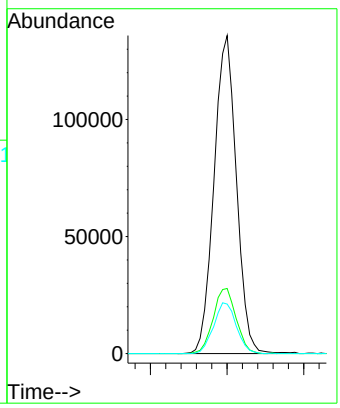
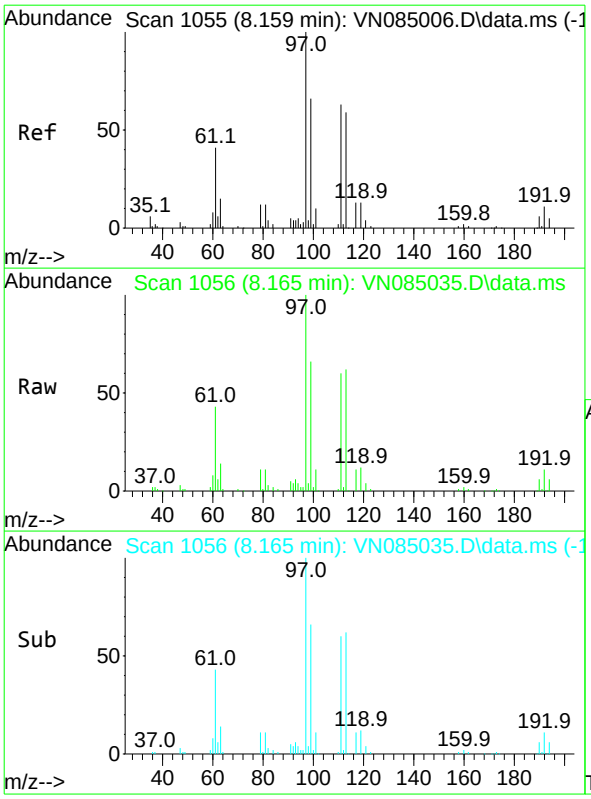


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:114 Resp: 275028

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	41.0
88	15.6	0.0	34.8

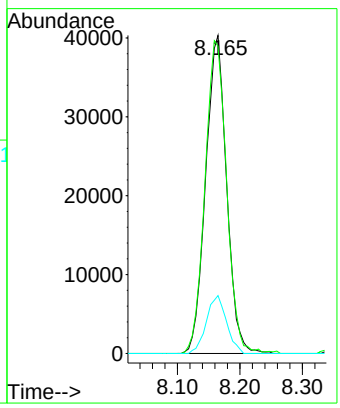




#35
Dibromofluoromethane
Concen: 50.608 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:113 Resp: 93863

Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.0	123.0
192	17.5	14.8	22.2



Instrument :
MSVOA_N
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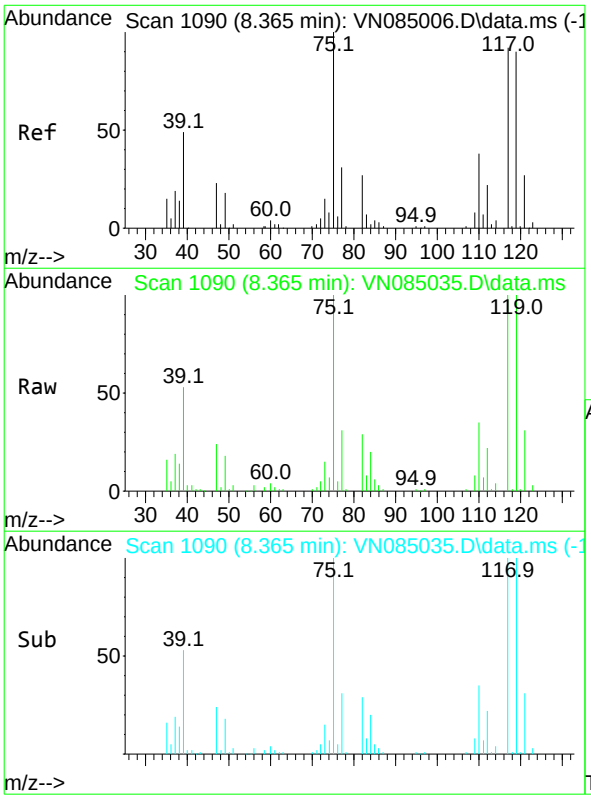
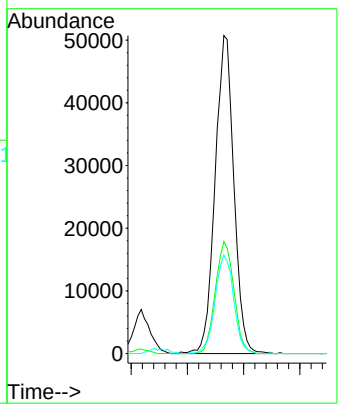
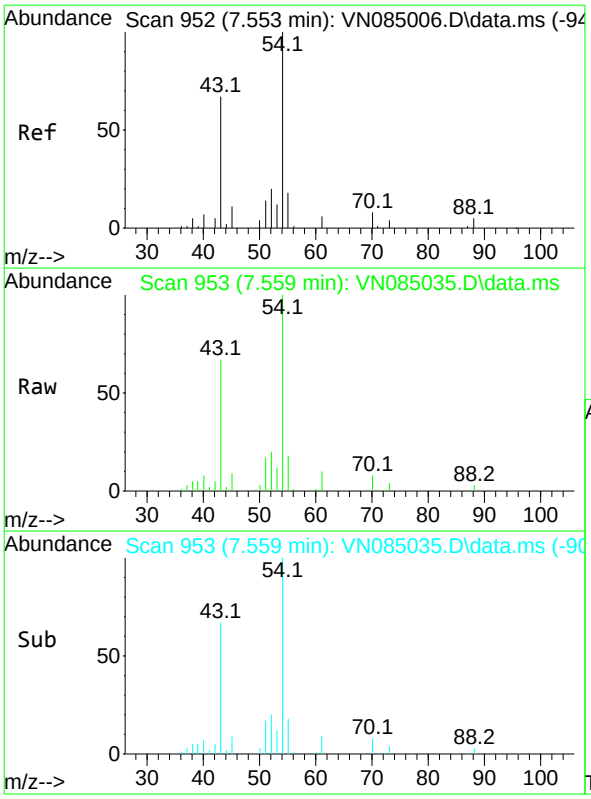


#36
1,1-Dichloropropene
Concen: 46.842 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 75 Resp: 117675

Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.2	51.6
77	30.9	24.2	36.4

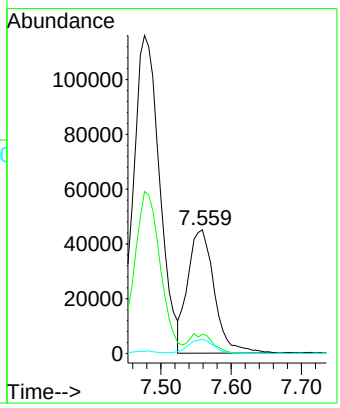




#37
Ethyl Acetate
Concen: 51.854 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 43 Resp: 118425

Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.7	17.5
70	10.8	9.3	13.9



Instrument :
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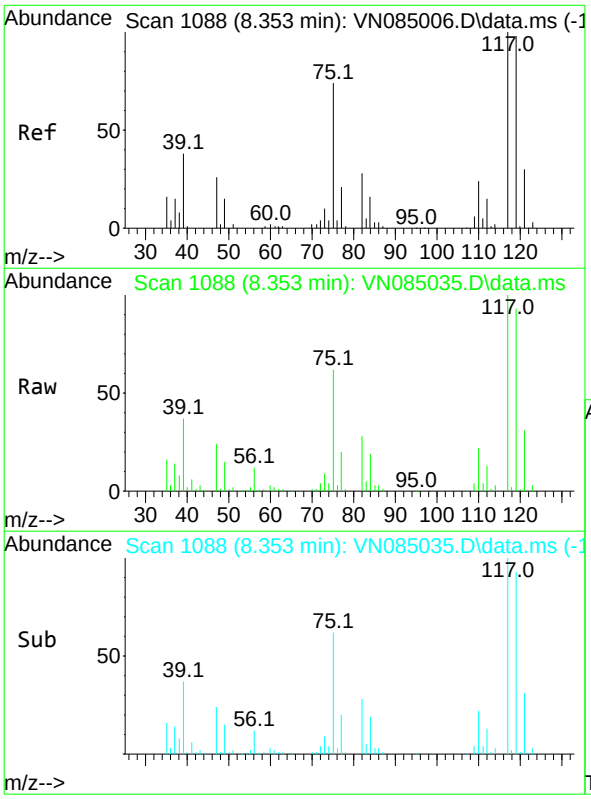
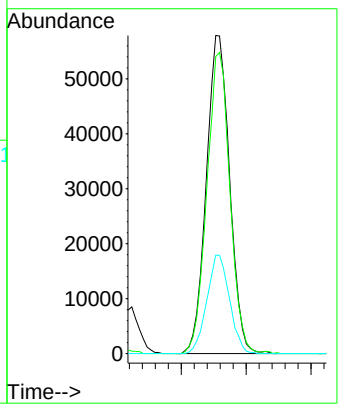
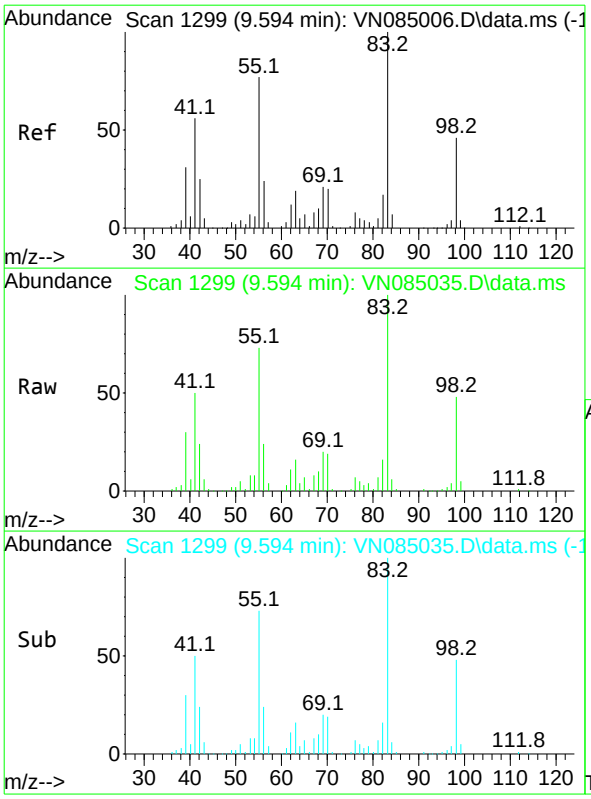


#38
Carbon Tetrachloride
Concen: 49.820 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:117 Resp: 144467

Ion	Ratio	Lower	Upper
117	100		
119	93.4	78.6	117.8
121	30.9	24.2	36.2

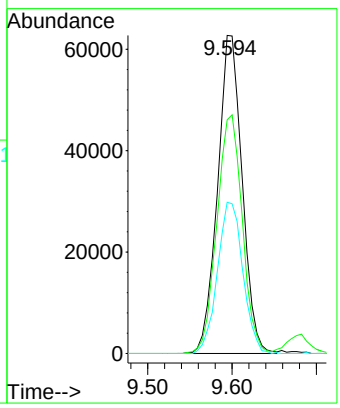




#39
Methylcyclohexane
Concen: 48.612 ug/l
RT: 9.594 min Scan# 12
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 83 Resp: 126903

Ion	Ratio	Lower	Upper
83	100		
55	73.5	61.8	92.6
98	47.6	37.0	55.6



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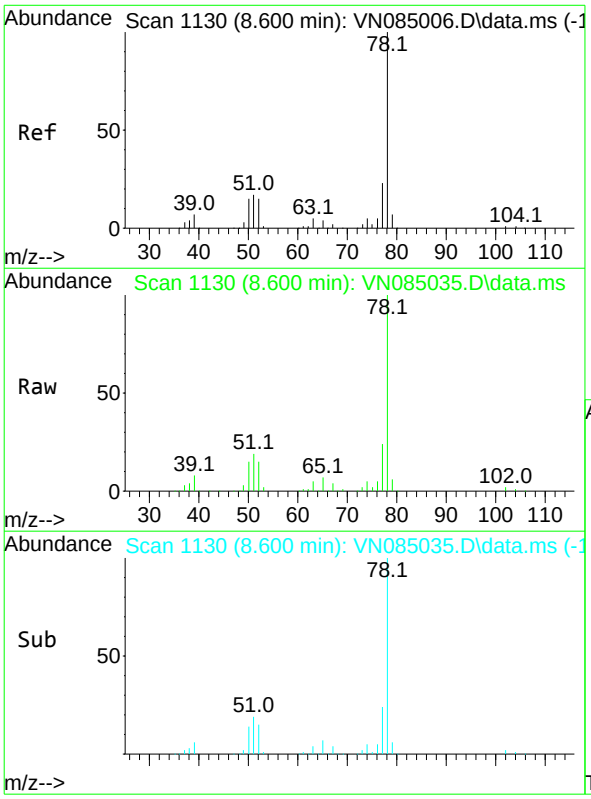
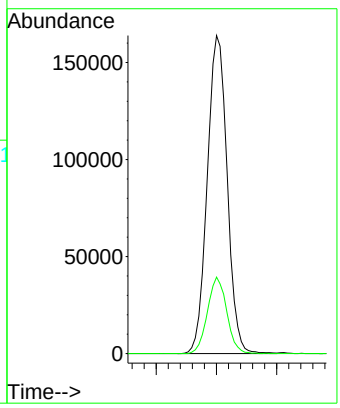
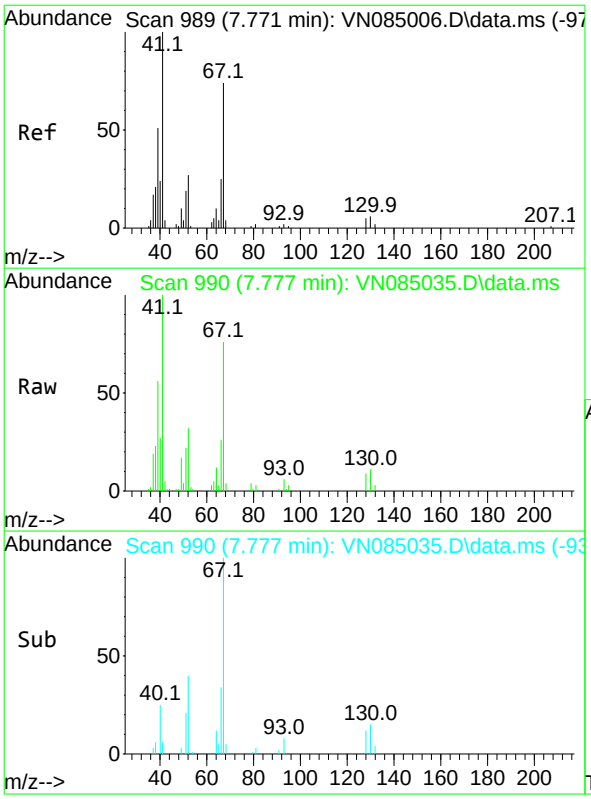


#40
Benzene
Concen: 47.382 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 78 Resp: 376473

Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.5	27.7

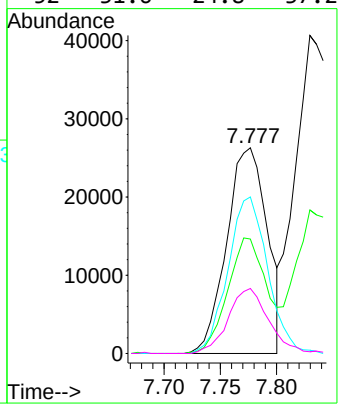




#41
Methacrylonitrile
Concen: 52.138 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 41 Resp: 65929

Ion	Ratio	Lower	Upper
41	100		
39	53.4	42.6	63.8
67	74.7	59.9	89.9
52	31.6	24.8	37.2



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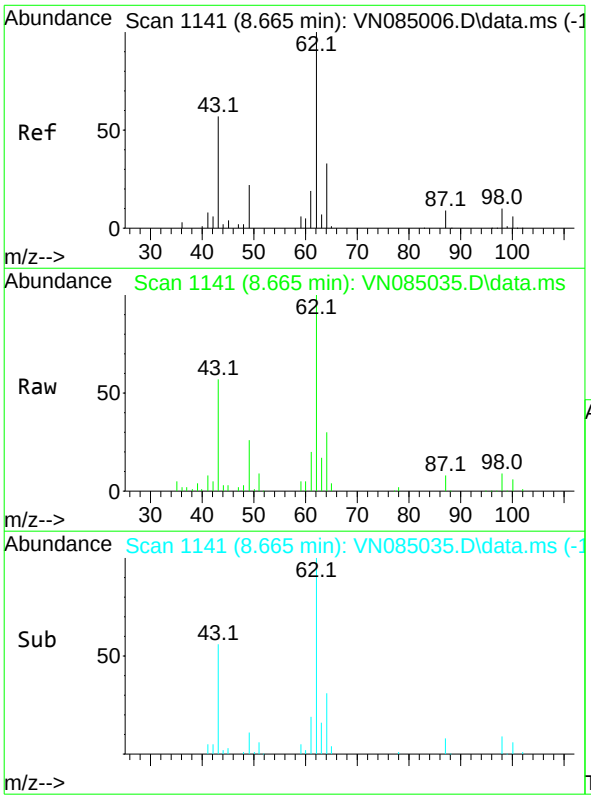
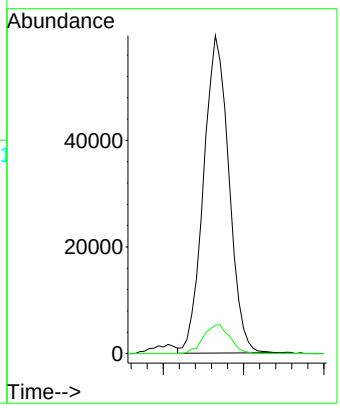
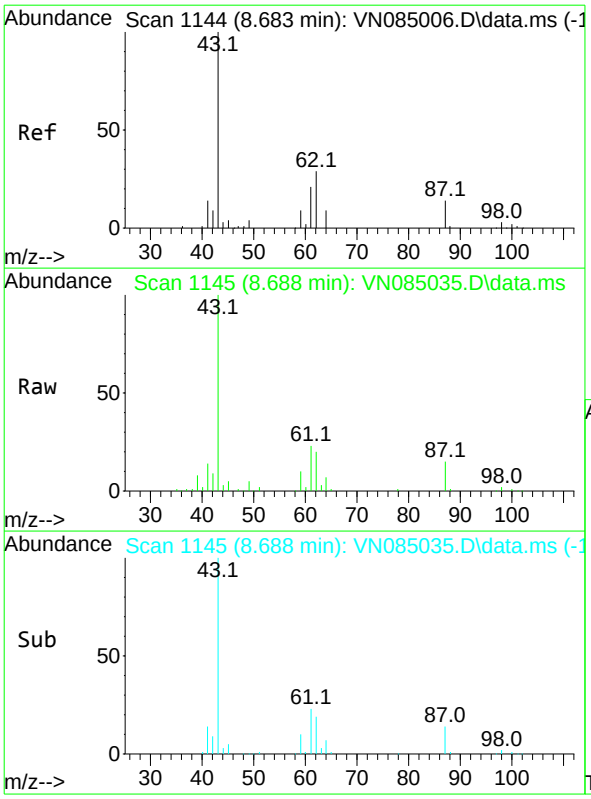


#42
1,2-Dichloroethane
Concen: 48.086 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 62 Resp: 130709

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.2

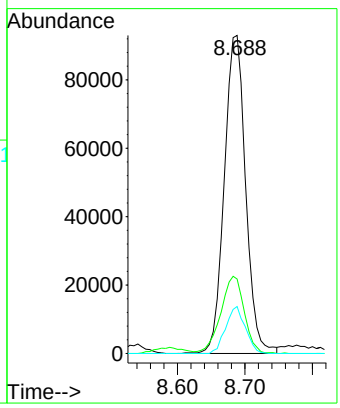




#43
Isopropyl Acetate
Concen: 43.113 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 43 Resp: 204526

Ion	Ratio	Lower	Upper
43	100		
61	26.8	20.6	30.8
87	13.5	11.0	16.4



Instrument :
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ClientSampleId :
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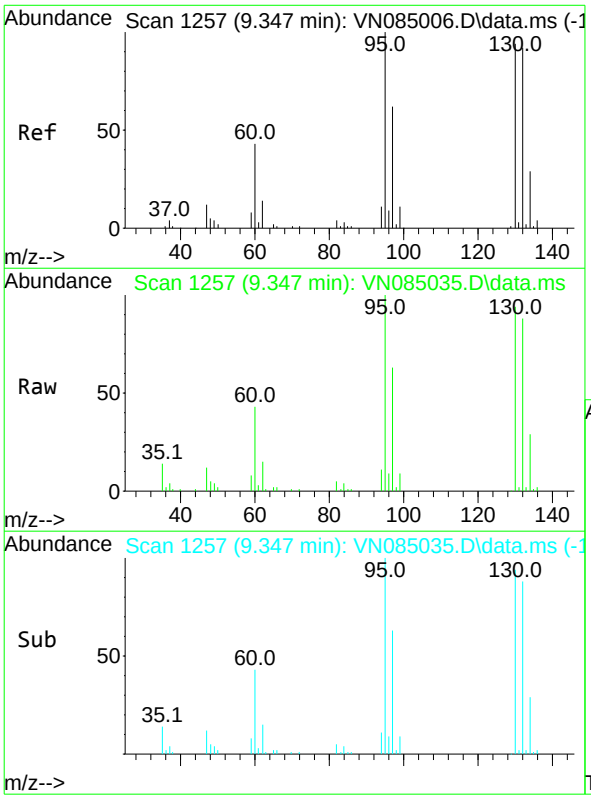
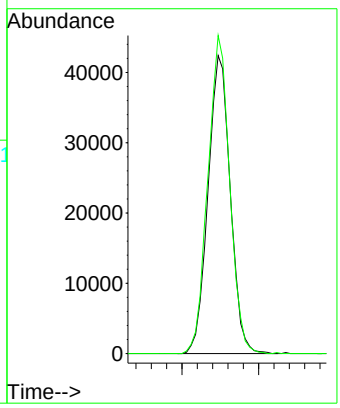
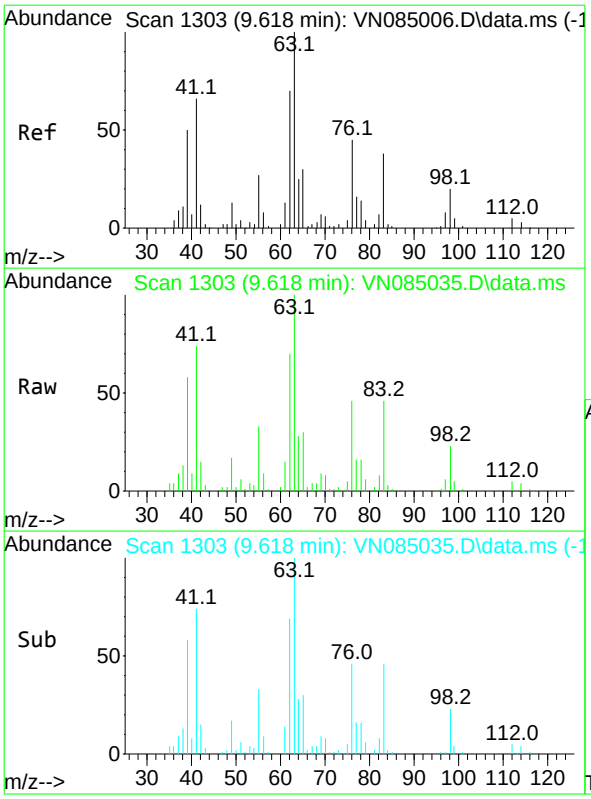


#44
Trichloroethene
Concen: 46.190 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:130 Resp: 85290

Ion	Ratio	Lower	Upper
130	100		
95	106.7	0.0	213.4

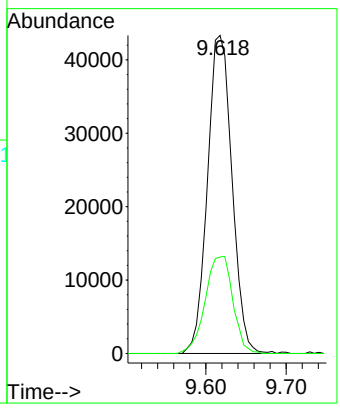




#45
1,2-Dichloropropane
Concen: 46.997 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 63 Resp: 91973

Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.0	36.0



Instrument :
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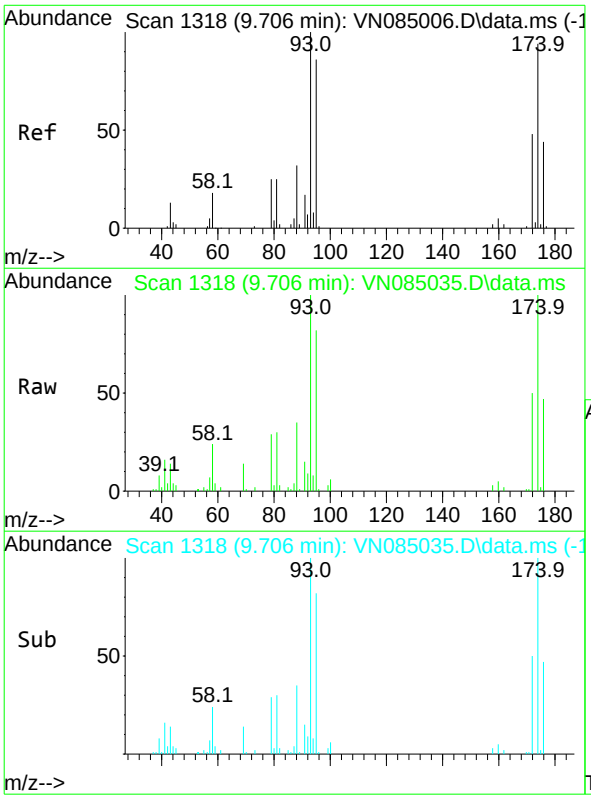
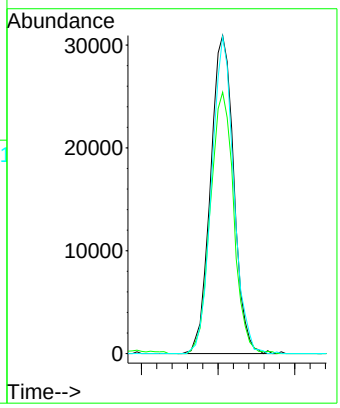
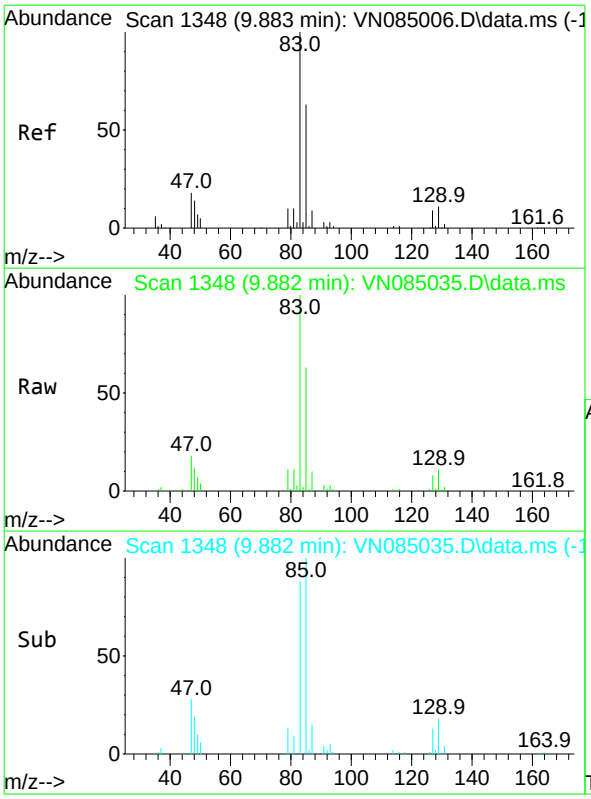


#46
Dibromomethane
Concen: 47.749 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 93 Resp: 64931

Ion	Ratio	Lower	Upper
93	100		
95	82.3	66.2	99.4
174	94.5	74.9	112.3

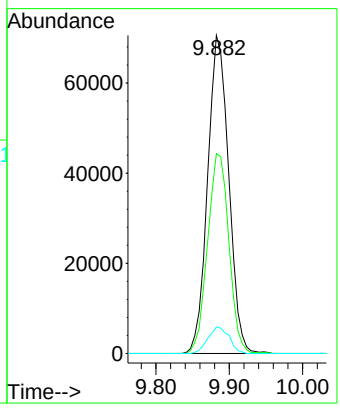




#47
Bromodichloromethane
Concen: 48.956 ug/l
RT: 9.882 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 83 Resp: 141097

Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.5	75.7
127	8.3	7.1	10.7



Instrument :
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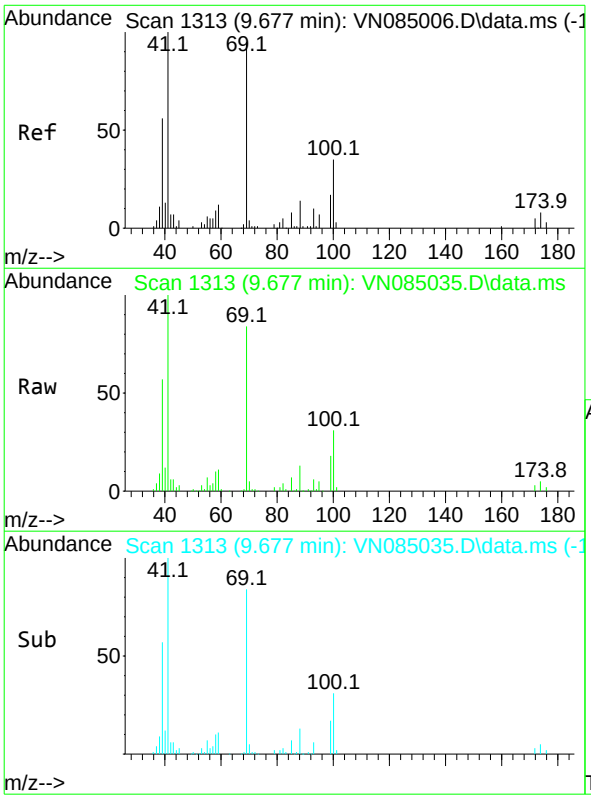
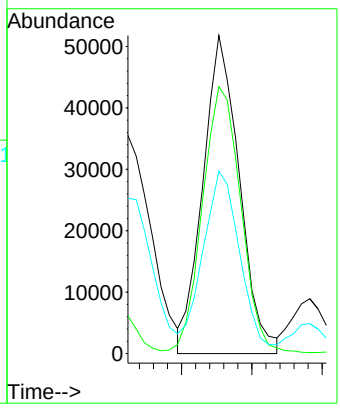
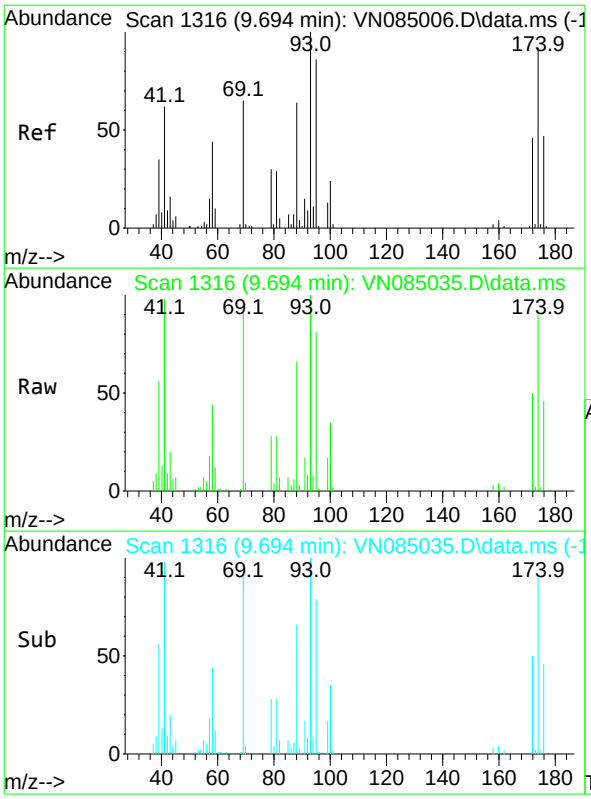


#48
Methyl methacrylate
Concen: 52.894 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 41 Resp: 93375

Ion	Ratio	Lower	Upper
41	100		
69	87.9	73.2	109.8
39	58.8	46.2	69.4





#49
1,4-Dioxane
Concen: 1114.269 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 88 Resp: 34112

Ion	Ratio	Lower	Upper
88	100		
43	25.1	16.7	25.1#
58	72.5	56.5	84.7

Instrument :
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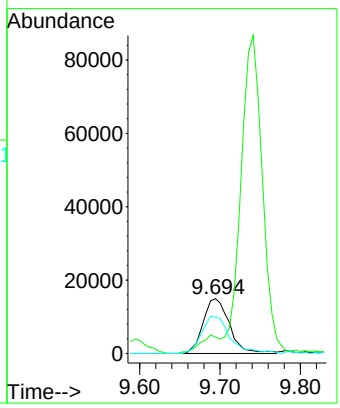
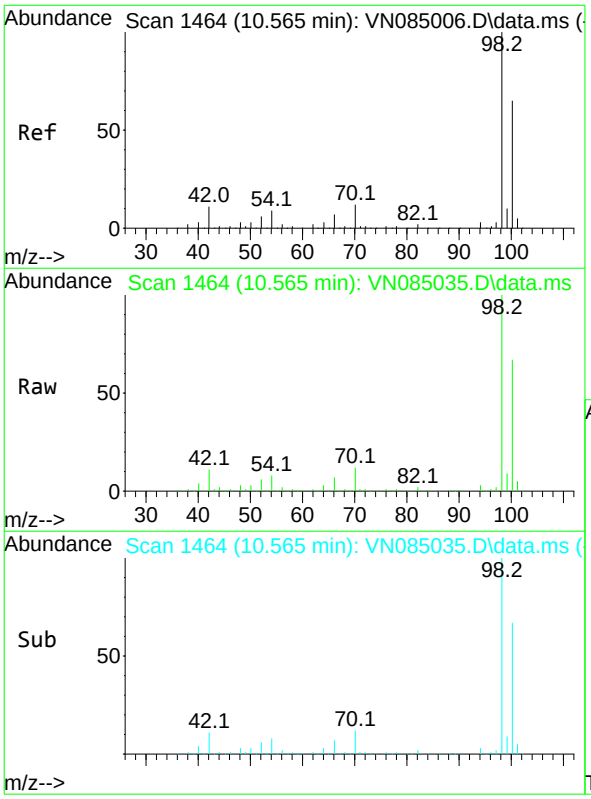
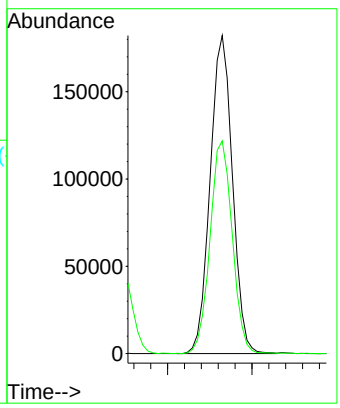


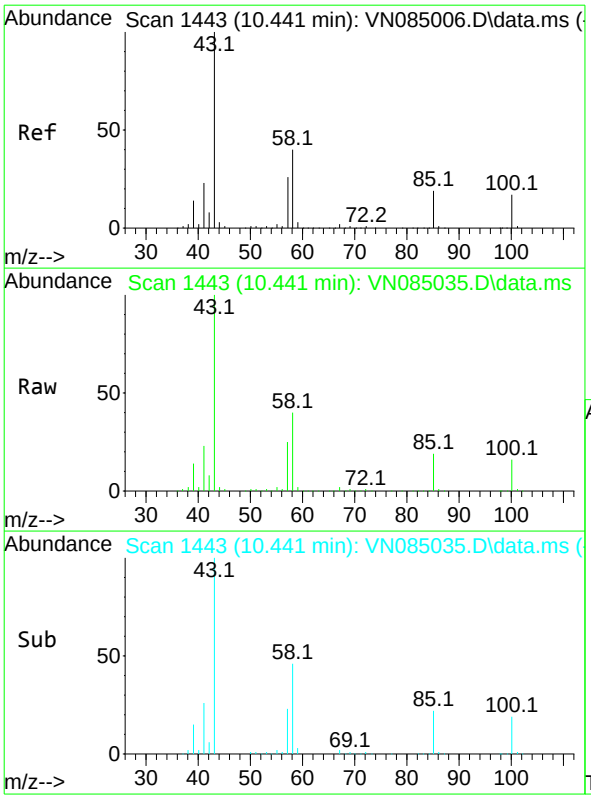


#50
Toluene-d8
Concen: 50.302 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 98 Resp: 334346

Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.5	78.7

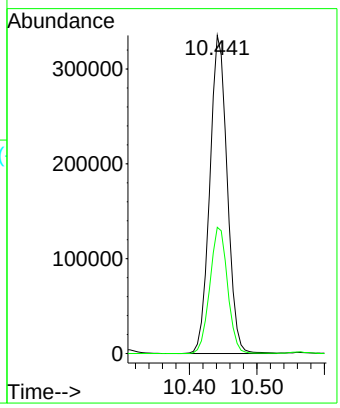




#51
4-Methyl-2-Pentanone
Concen: 277.350 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 43 Resp: 600962

Ion	Ratio	Lower	Upper
43	100		
58	40.4	32.1	48.1



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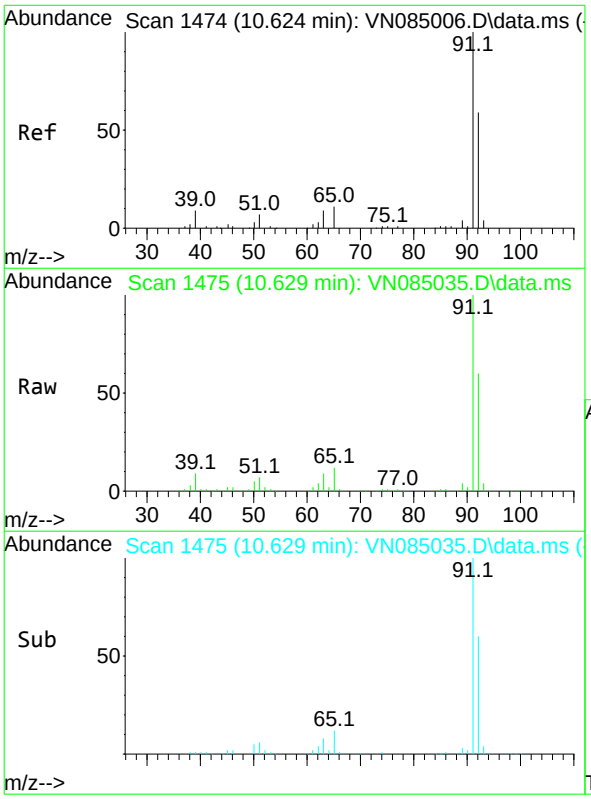
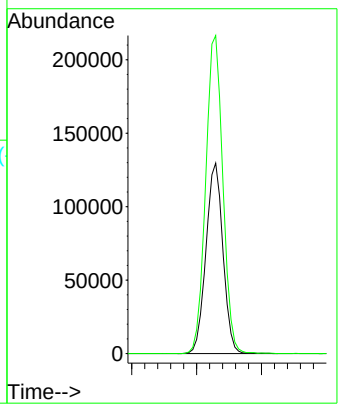
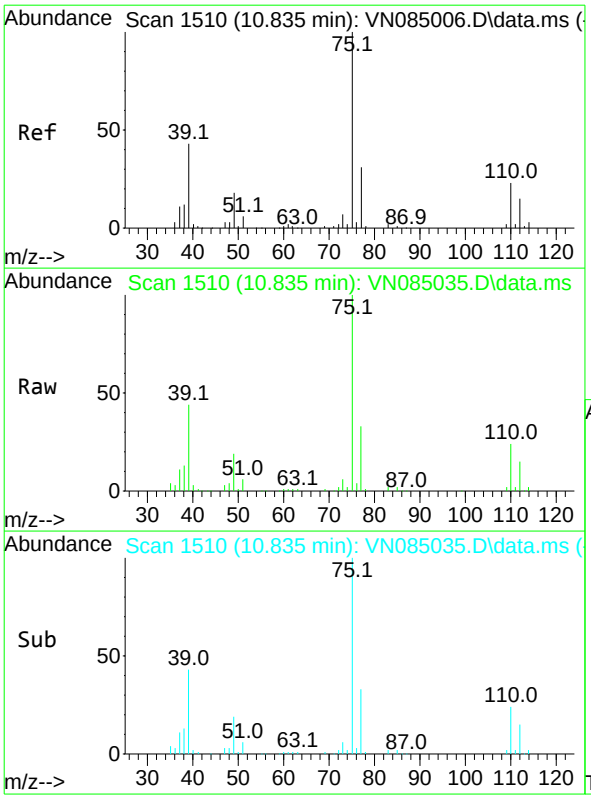


#52
Toluene
Concen: 49.952 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 92 Resp: 234962

Ion	Ratio	Lower	Upper
92	100		
91	168.8	136.7	205.1

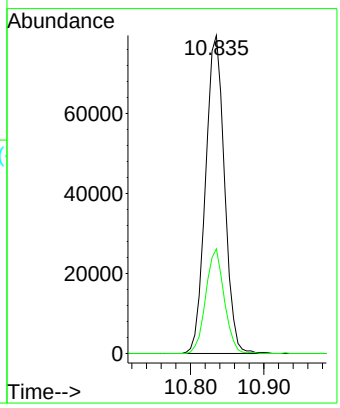




#53
t-1,3-Dichloropropene
Concen: 49.251 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 75 Resp: 142310

Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.0	37.4



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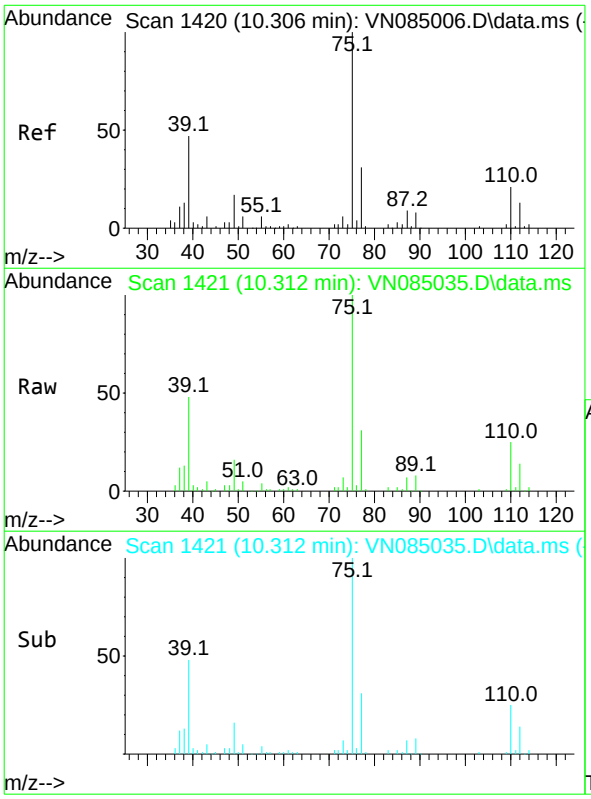
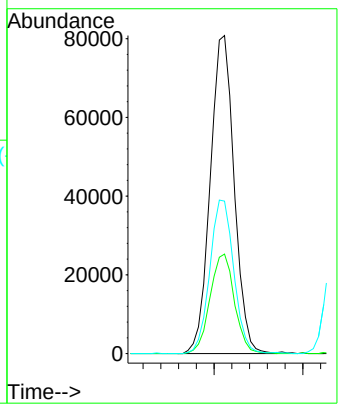
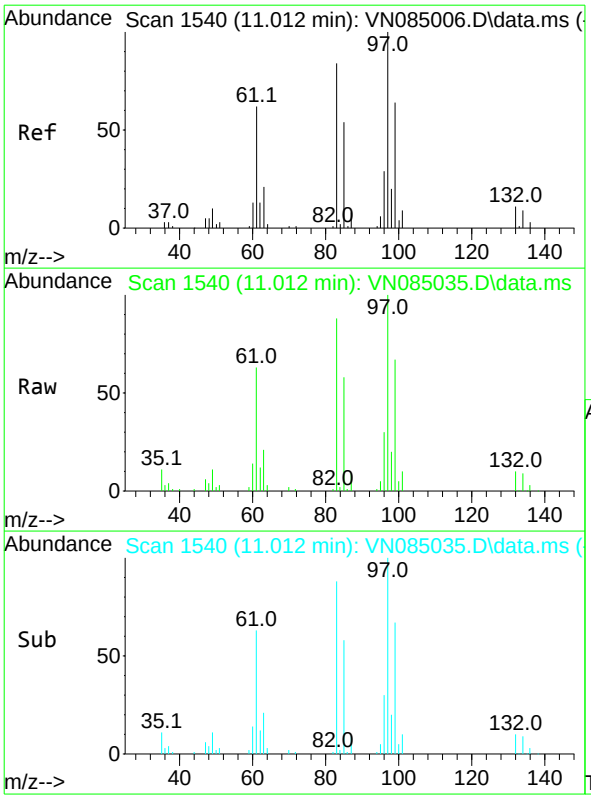


#54
cis-1,3-Dichloropropene
Concen: 49.375 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 75 Resp: 151354

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.4
39	47.9	37.6	56.4

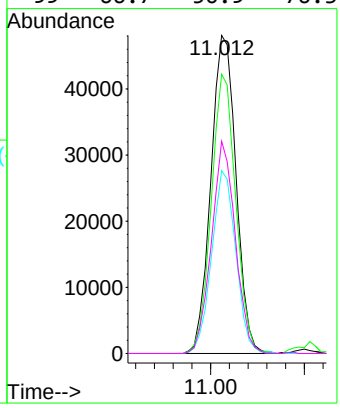




#55
1,1,2-Trichloroethane
Concen: 51.140 ug/l
RT: 11.012 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 97 Resp: 89600

Ion	Ratio	Lower	Upper
97	100		
83	87.8	67.4	101.2
85	57.5	43.1	64.7
99	66.7	50.9	76.3



Instrument :
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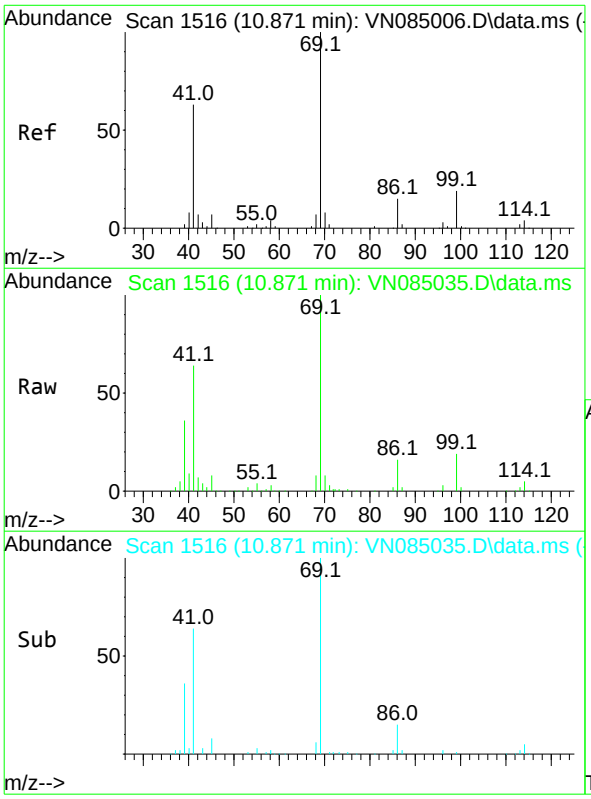
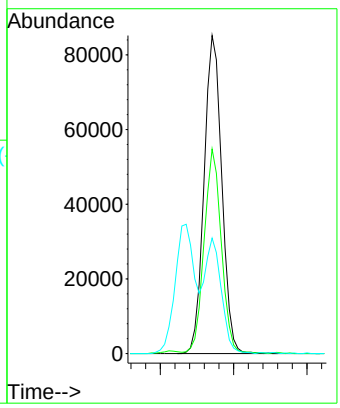
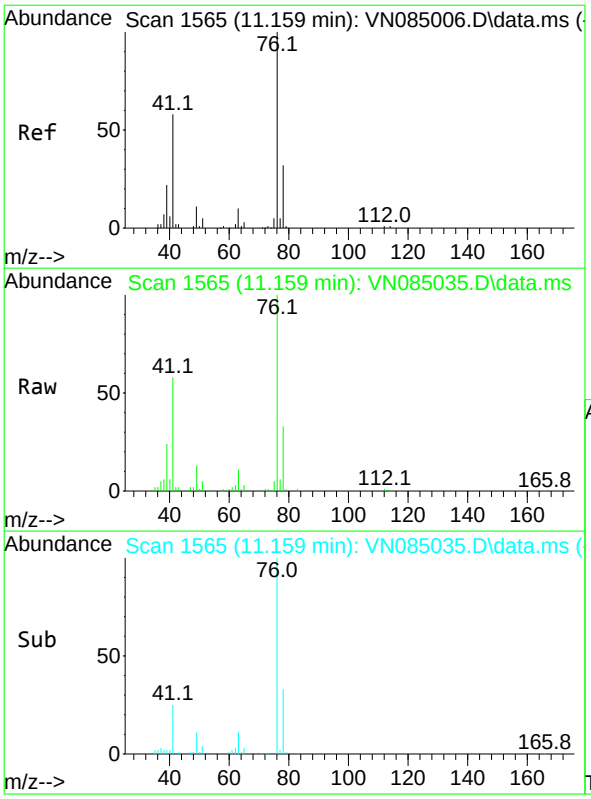


#56
Ethyl methacrylate
Concen: 55.843 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 69 Resp: 142968

Ion	Ratio	Lower	Upper
69	100		
41	62.6	50.0	75.0
39	34.2	27.0	40.6

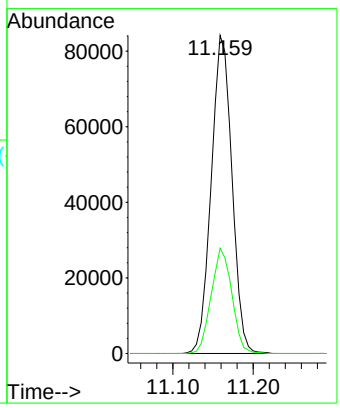




#57
1,3-Dichloropropane
Concen: 48.930 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 76 Resp: 150879

Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.1	39.1



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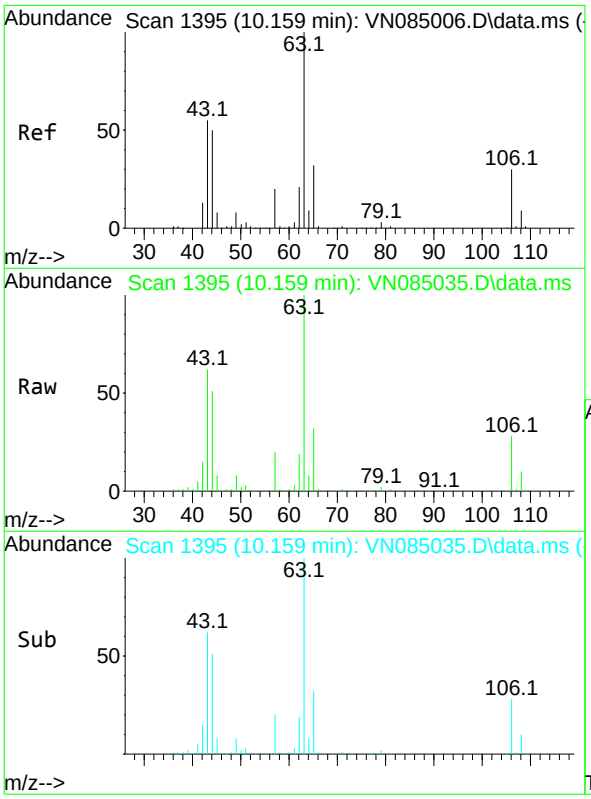
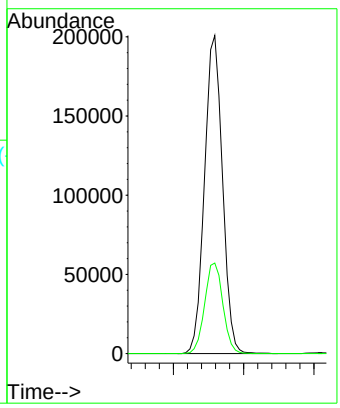
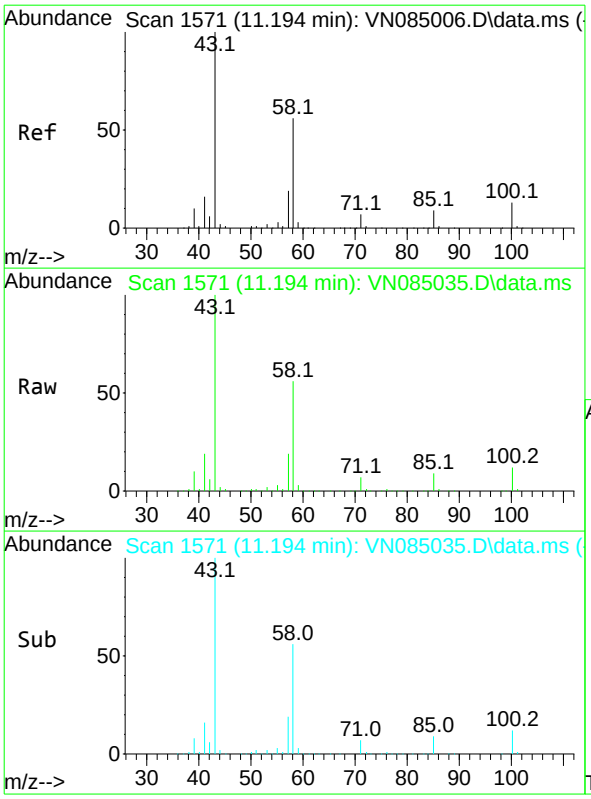


#58
2-Chloroethyl Vinyl ether
Concen: 283.452 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 63 Resp: 355968

Ion	Ratio	Lower	Upper
63	100		
106	28.9	23.0	34.6

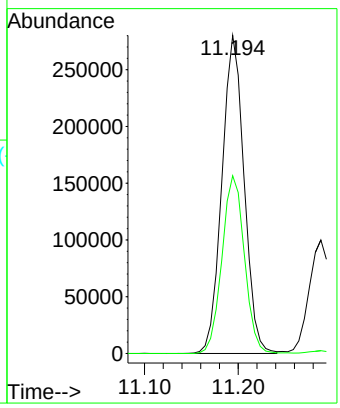




#59
2-Hexanone
Concen: 284.177 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 43 Resp: 460526

Ion	Ratio	Lower	Upper
43	100		
58	56.5	28.3	85.0



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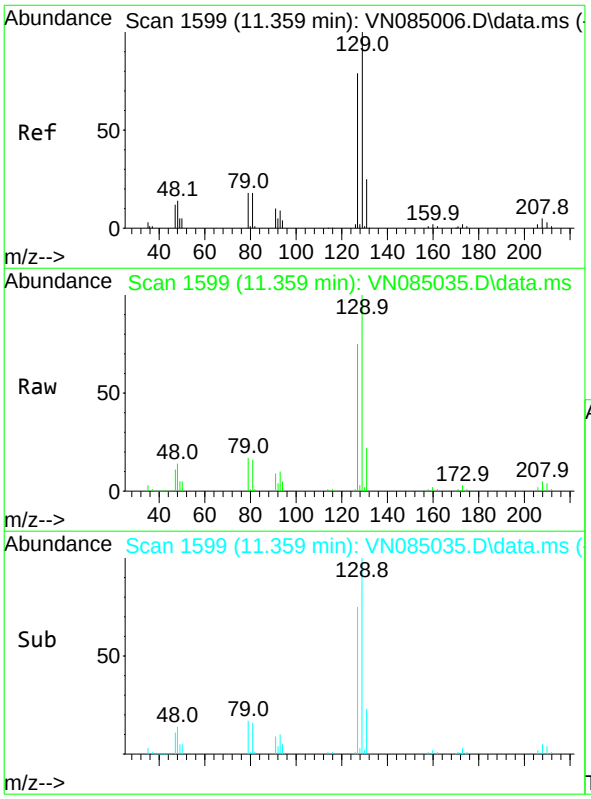
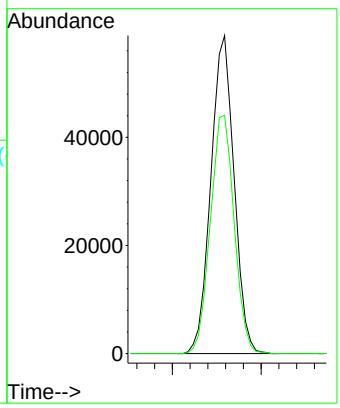
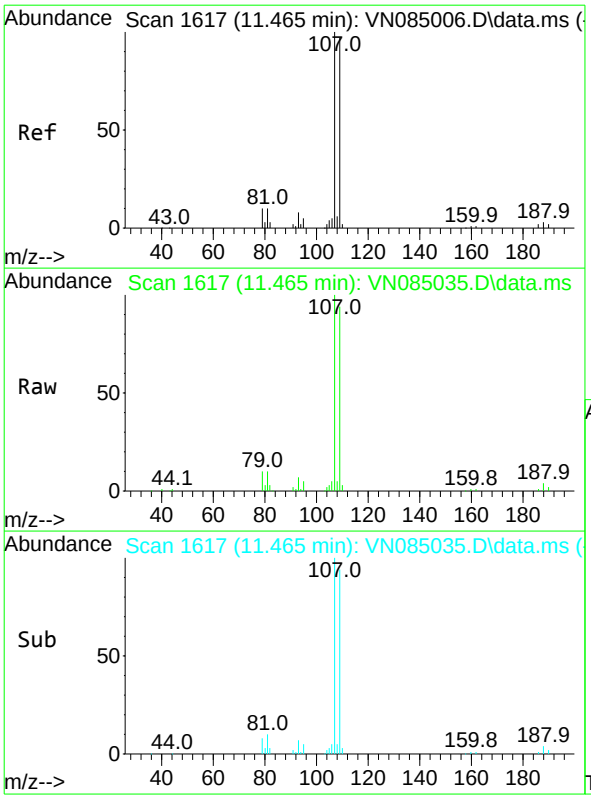


#60
Dibromochloromethane
Concen: 49.911 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:129 Resp: 106871

Ion	Ratio	Lower	Upper
129	100		
127	76.8	39.2	117.6

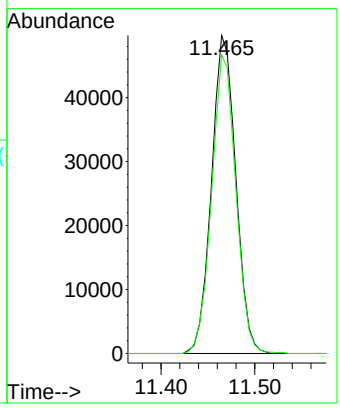




#61
1,2-Dibromoethane
Concen: 49.376 ug/l
RT: 11.465 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:107 Resp: 89530

Ion	Ratio	Lower	Upper
107	100		
109	93.6	76.1	114.1



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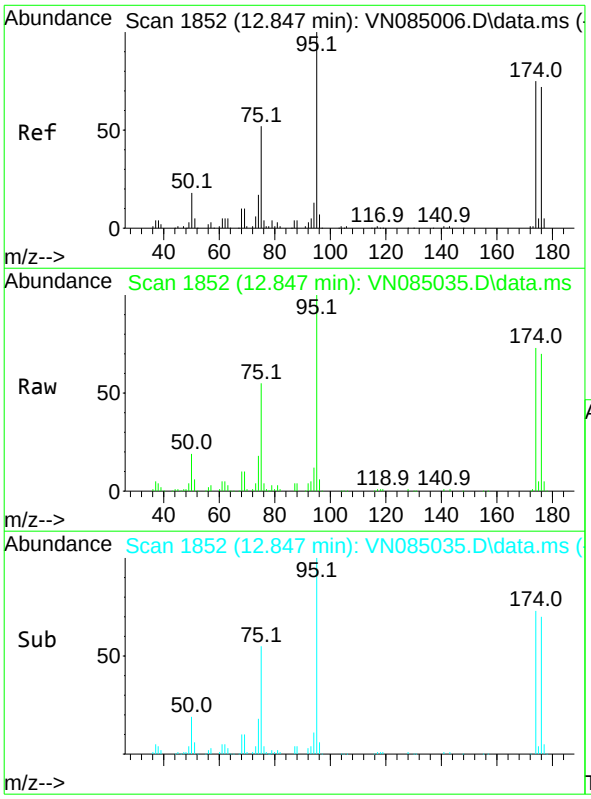
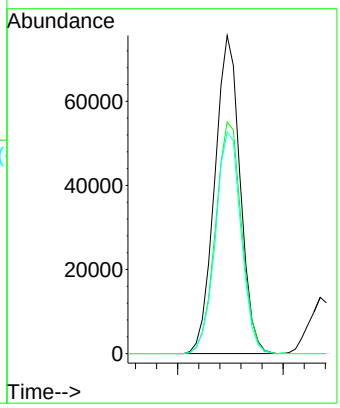
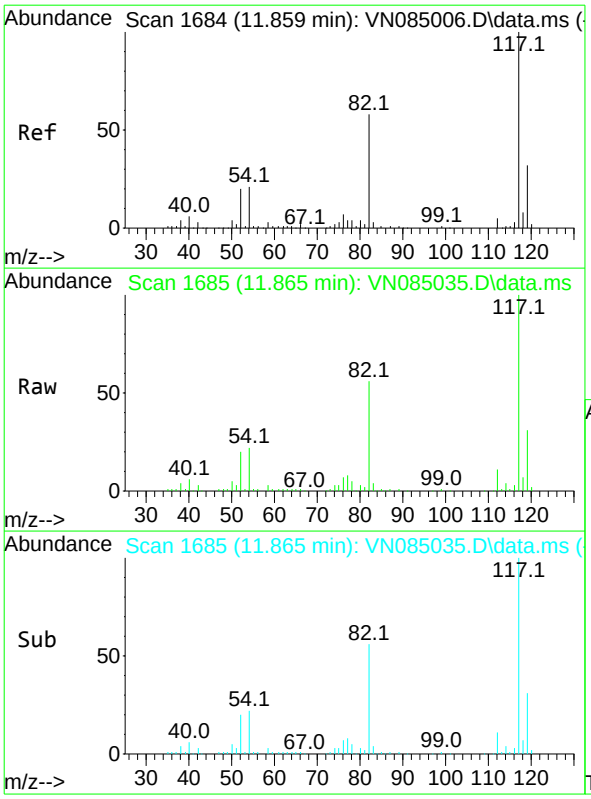


#62
4-Bromofluorobenzene
Concen: 50.879 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 95 Resp: 126470

Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	146.6
176	70.5	0.0	141.8

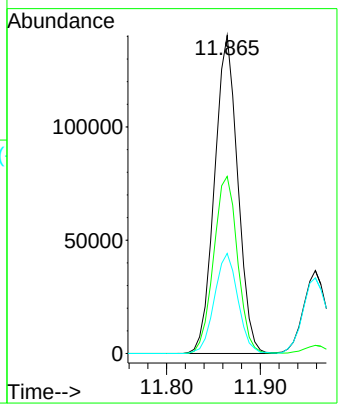




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:117 Resp: 241627

Ion	Ratio	Lower	Upper
117	100		
82	55.7	46.0	69.0
119	31.5	25.6	38.4



Instrument :
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ClientSampleId :
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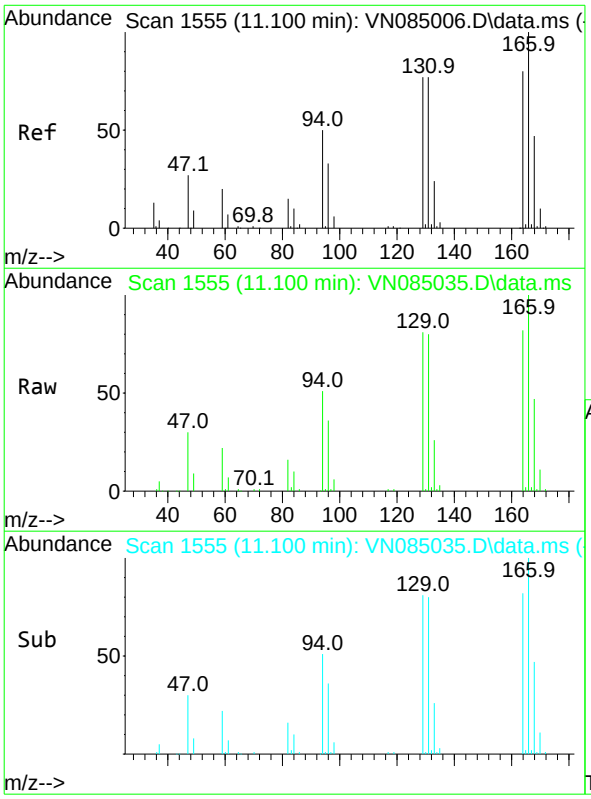
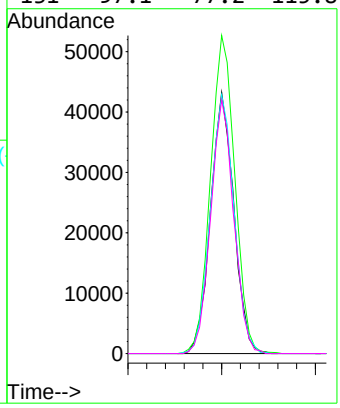
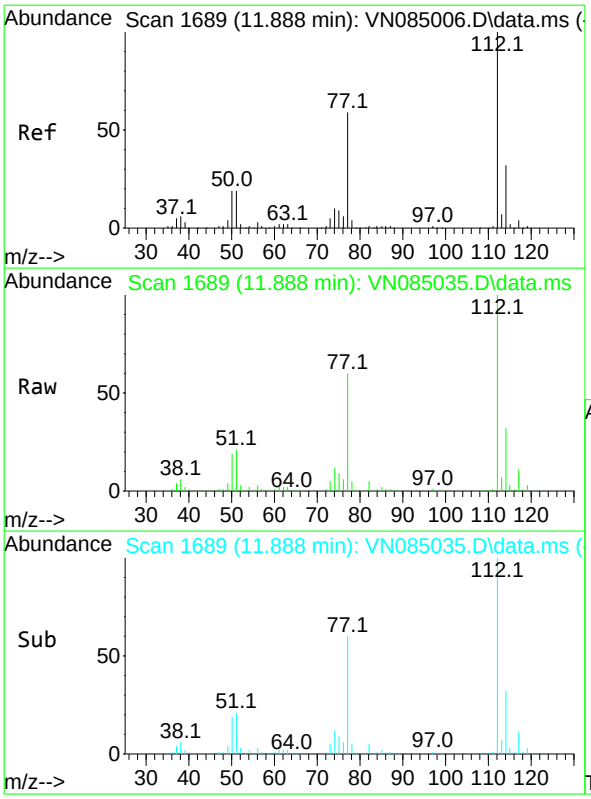


#64
Tetrachloroethene
Concen: 45.931 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:164 Resp: 74782

Ion	Ratio	Lower	Upper
164	100		
166	121.7	100.6	151.0
129	99.1	77.7	116.5
131	97.1	77.2	115.8

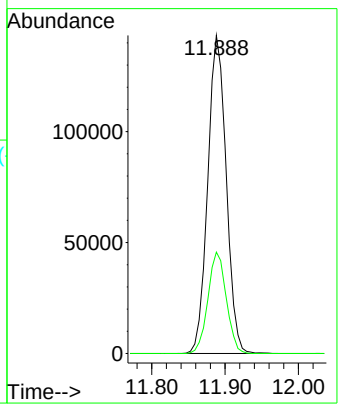




#65
Chlorobenzene
Concen: 45.742 ug/l
RT: 11.888 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:112 Resp: 250659

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
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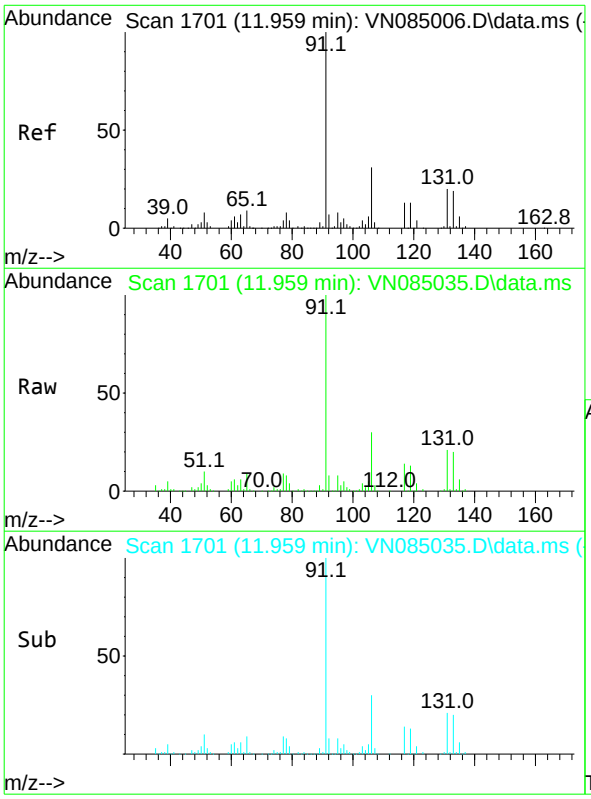
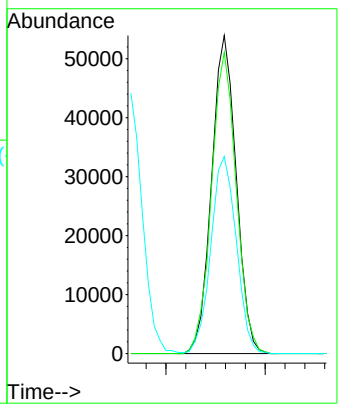
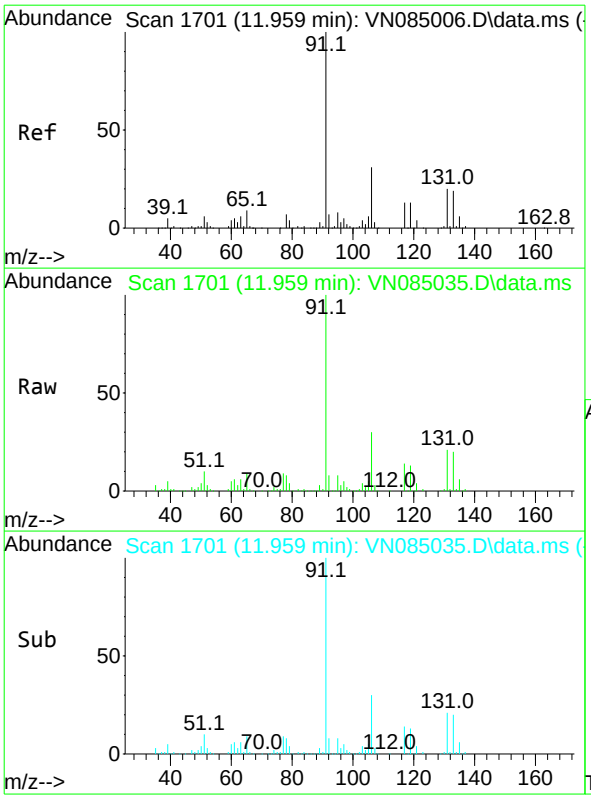


#66
1,1,1,2-Tetrachloroethane
Concen: 48.188 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:131 Resp: 92972

Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.8	143.4
119	64.1	32.1	96.3

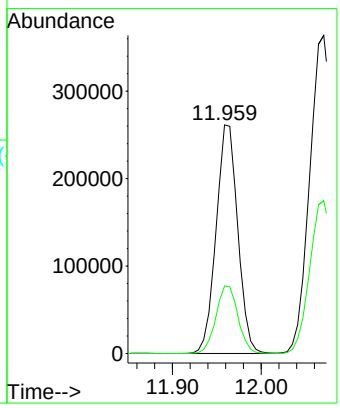




#67
Ethyl Benzene
Concen: 49.840 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 91 Resp: 443095

Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.7	37.1



Instrument :
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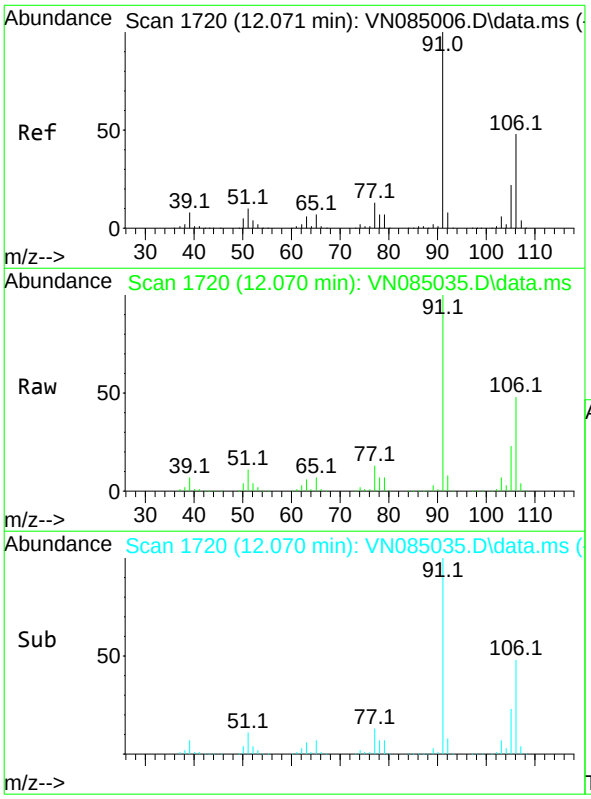
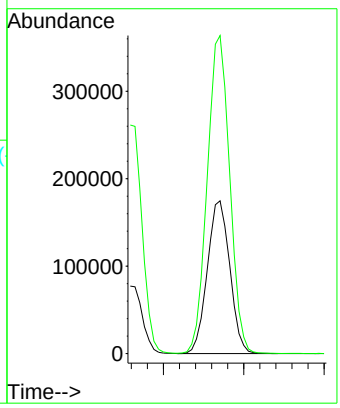
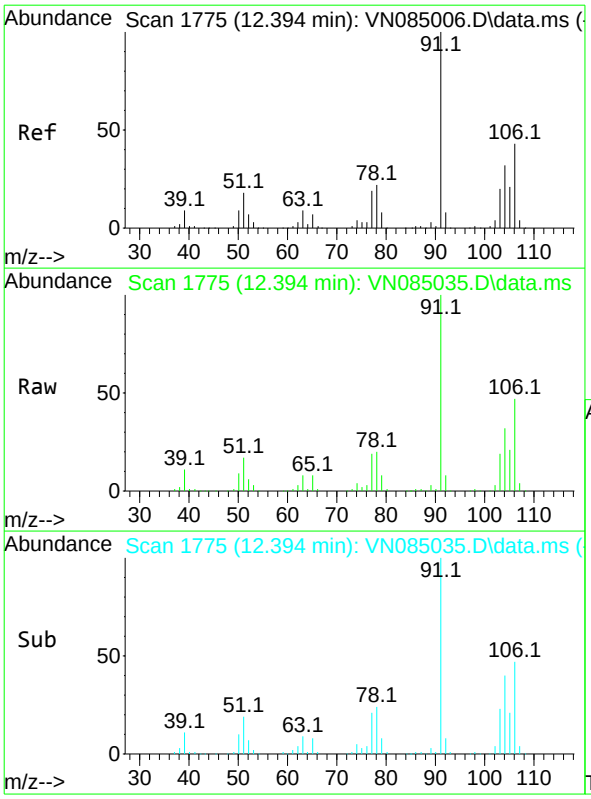


#68
m/p-Xylenes
Concen: 100.293 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:106 Resp: 339462

Ion	Ratio	Lower	Upper
106	100		
91	207.7	168.0	252.0

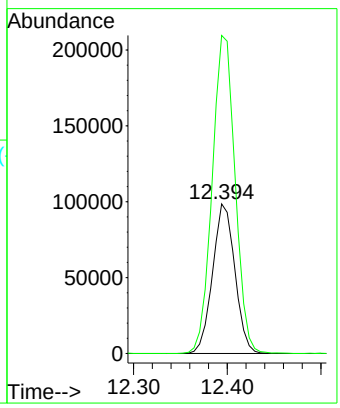




#69
o-Xylene
Concen: 50.601 ug/l
RT: 12.394 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:106 Resp: 162920

Ion	Ratio	Lower	Upper
106	100		
91	218.8	110.7	331.9



Instrument :
MSVOA_N
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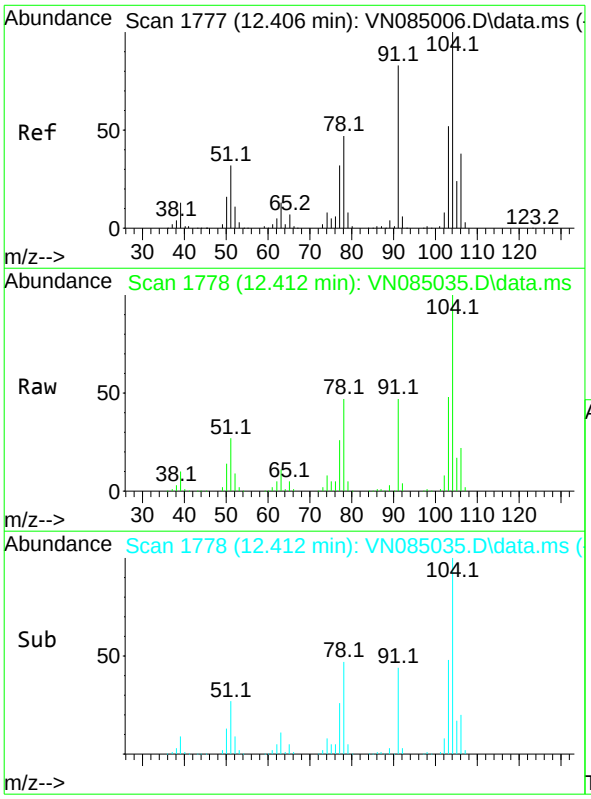
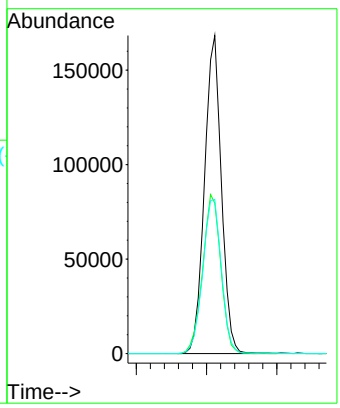
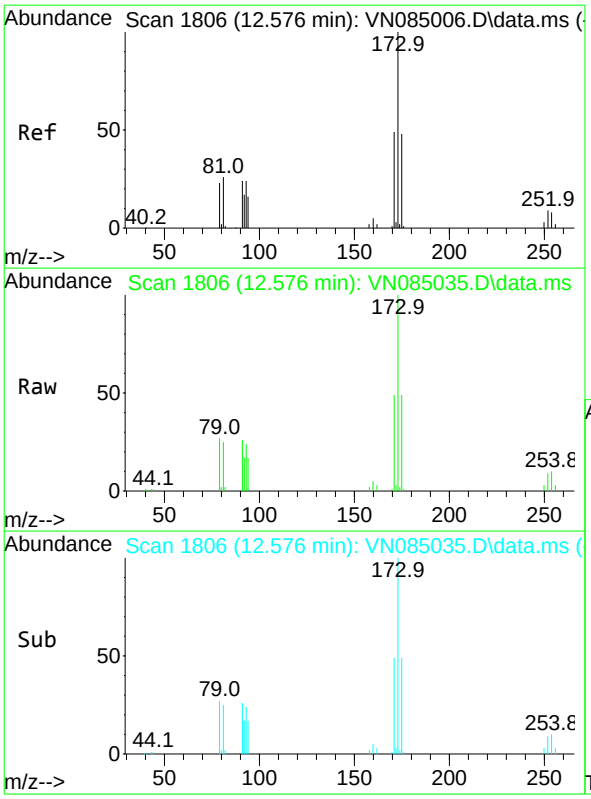


#70
Styrene
Concen: 52.383 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:104 Resp: 280474

Ion	Ratio	Lower	Upper
104	100		
78	53.8	42.3	63.5
103	53.6	44.2	66.2

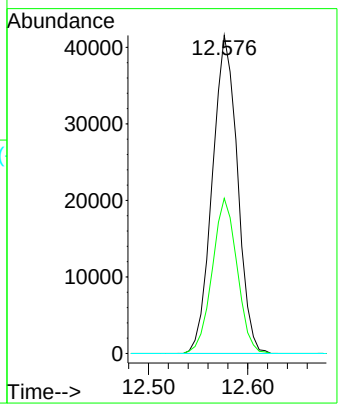




#71
Bromoform
Concen: 50.965 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:173 Resp: 72990

Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.8	71.2
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
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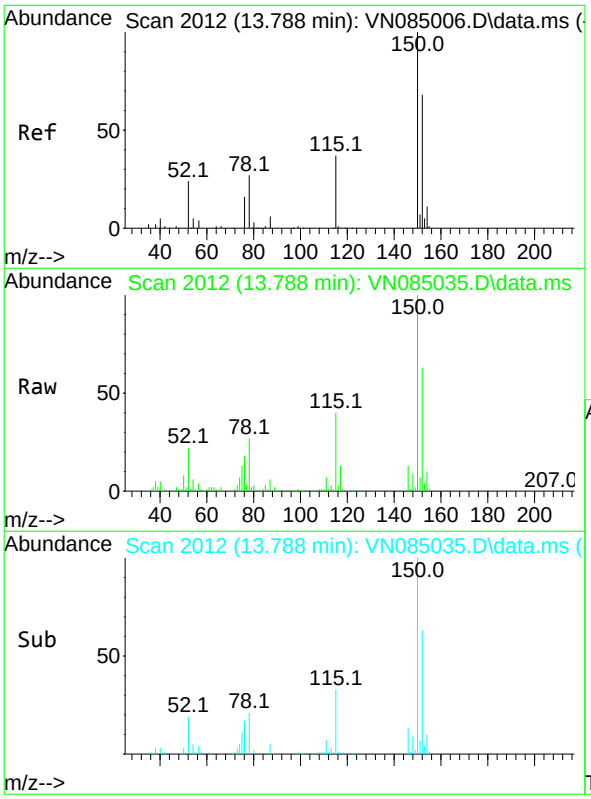
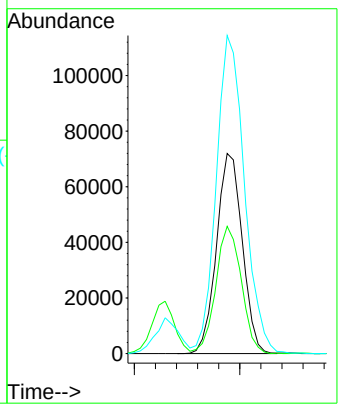
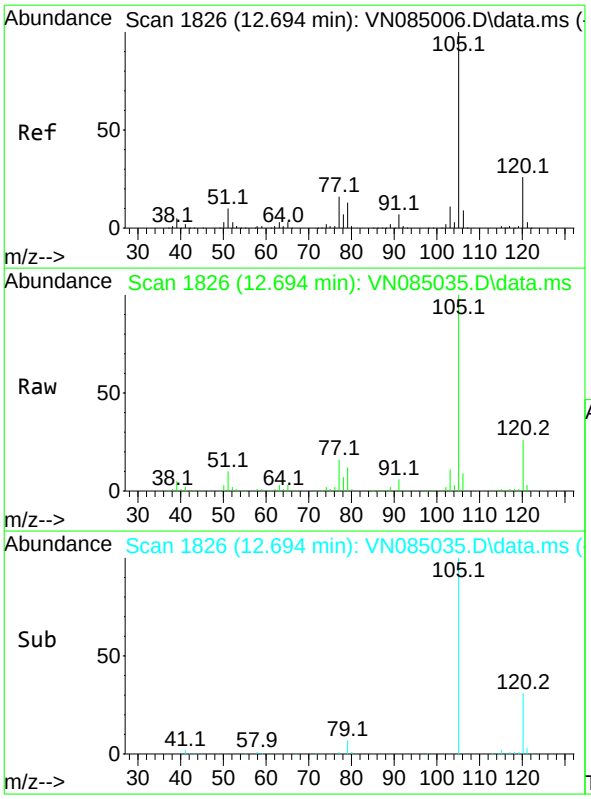


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:152 Resp: 122188

Ion	Ratio	Lower	Upper
152	100		
115	62.8	31.7	95.1
150	174.2	0.0	351.4

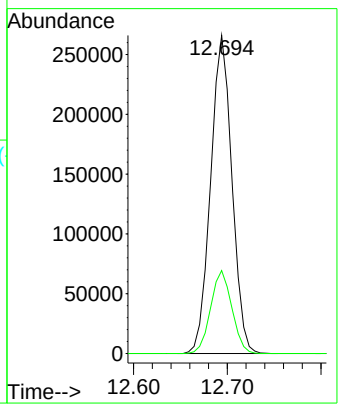




#73
Isopropylbenzene
Concen: 48.684 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:105 Resp: 419656

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.0	39.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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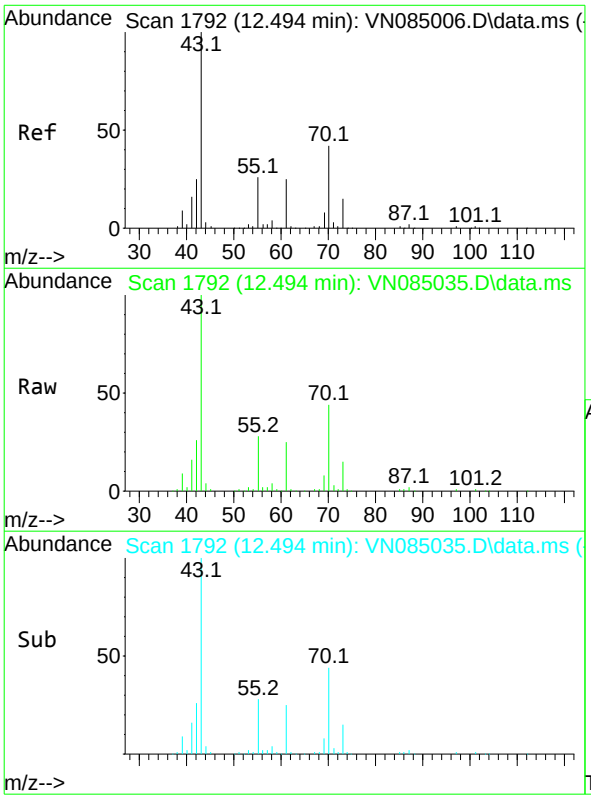
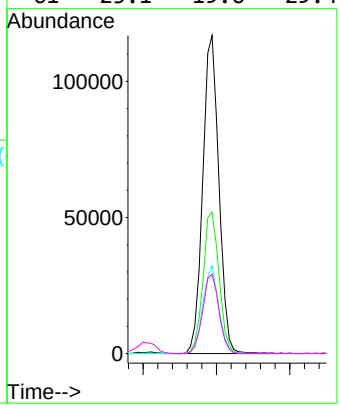
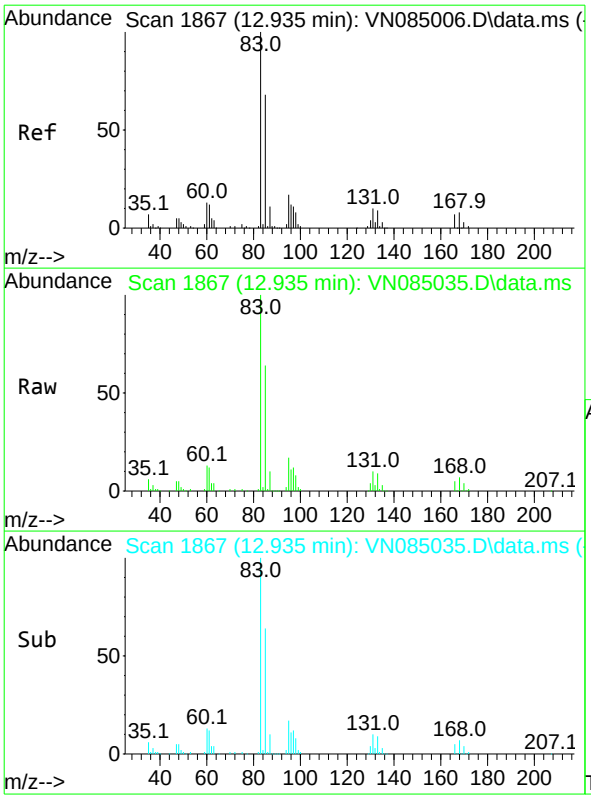


#74
N-amyl acetate
Concen: 50.317 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 43 Resp: 178728

Ion	Ratio	Lower	Upper
43	100		
70	44.2	34.6	51.8
55	26.9	20.5	30.7
61	25.1	19.6	29.4





#75
1,1,2,2-Tetrachloroethane
Concen: 45.255 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 83 Resp: 133209

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.1	15.4
85	64.7	32.1	96.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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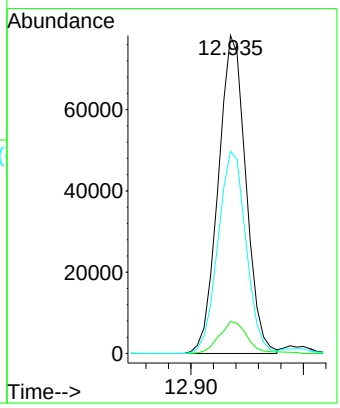
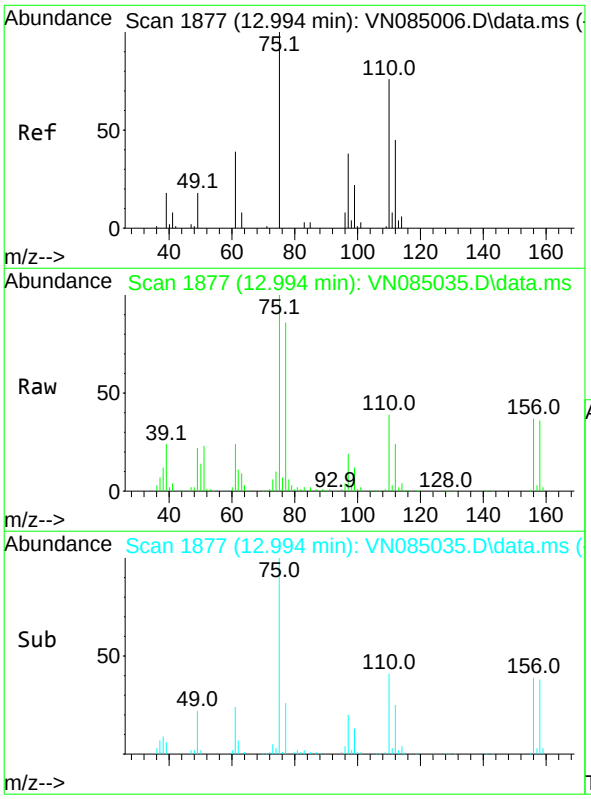
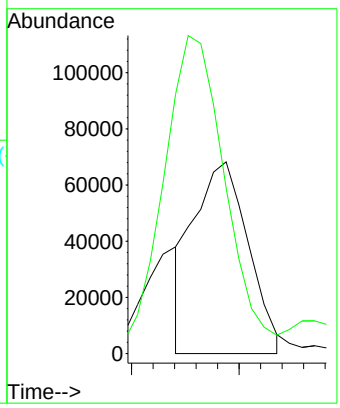


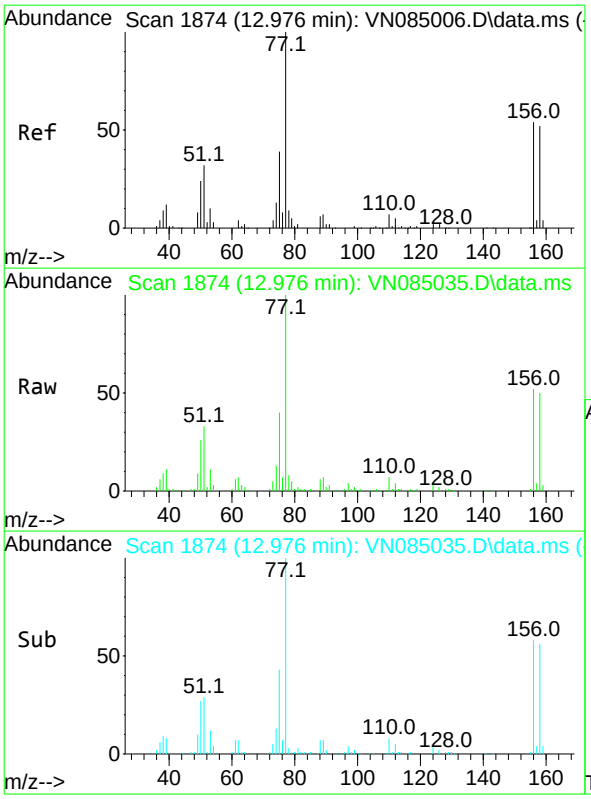


#76
1,2,3-Trichloropropane
Concen: 54.263 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 75 Resp: 120601

Ion	Ratio	Lower	Upper
75	100		
77	188.3	109.1	327.4

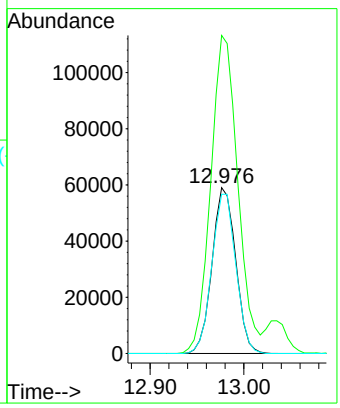




#77
Bromobenzene
Concen: 44.588 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:156 Resp: 103430

Ion	Ratio	Lower	Upper
156	100		
77	219.6	107.2	321.6
158	97.7	48.5	145.6



Instrument :
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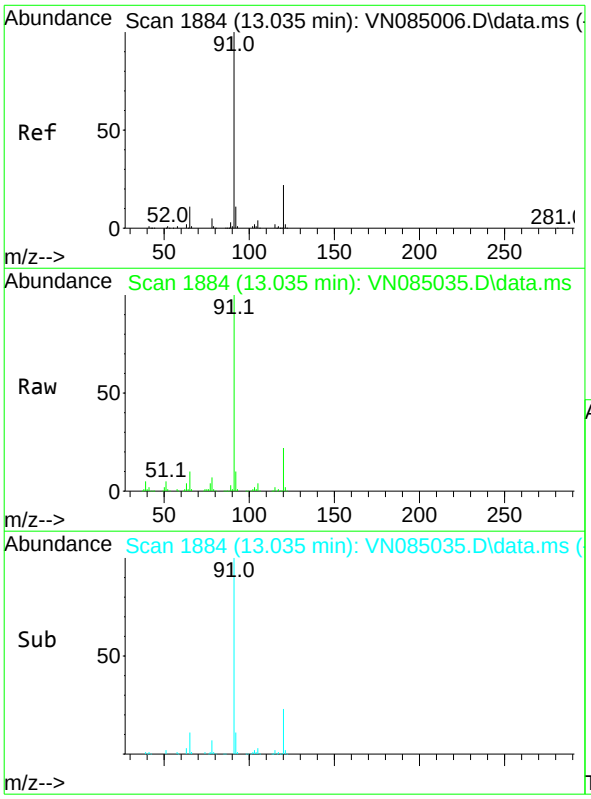
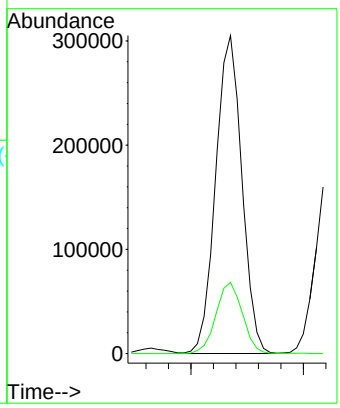
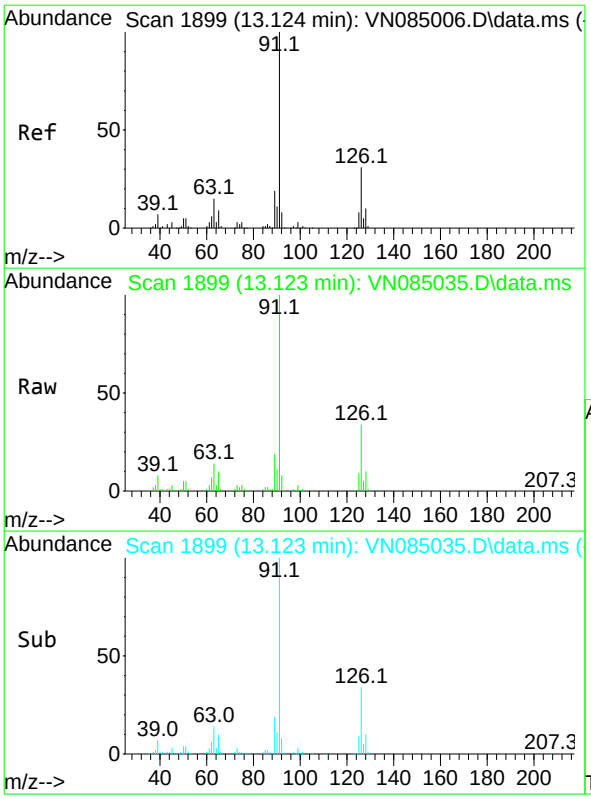


#78
n-propylbenzene
Concen: 49.646 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 91 Resp: 493597

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.9

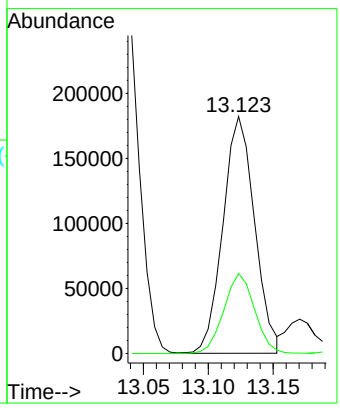




#79
2-Chlorotoluene
Concen: 46.679 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 91 Resp: 309810

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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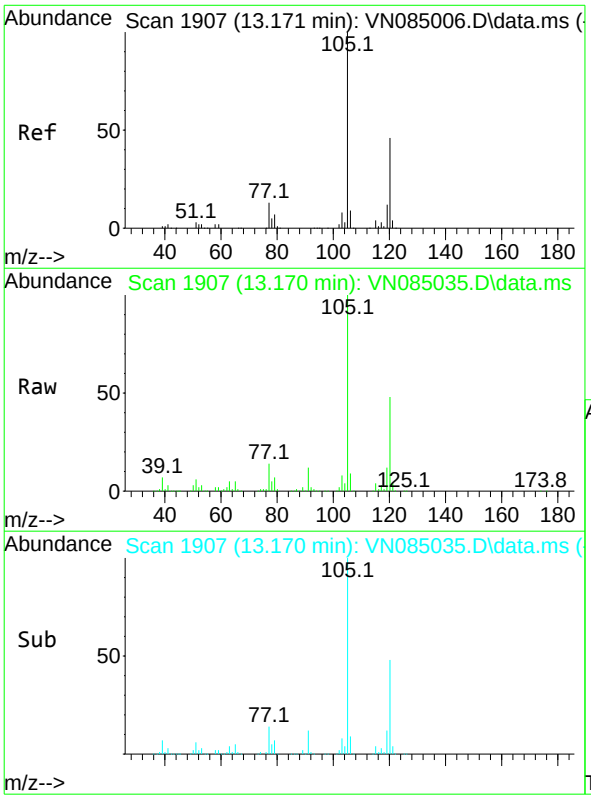
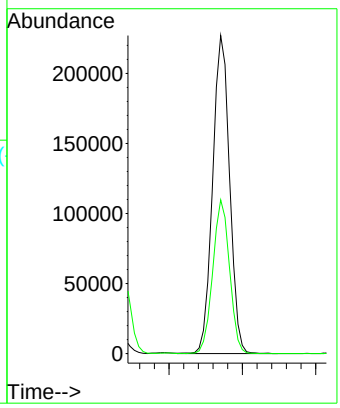
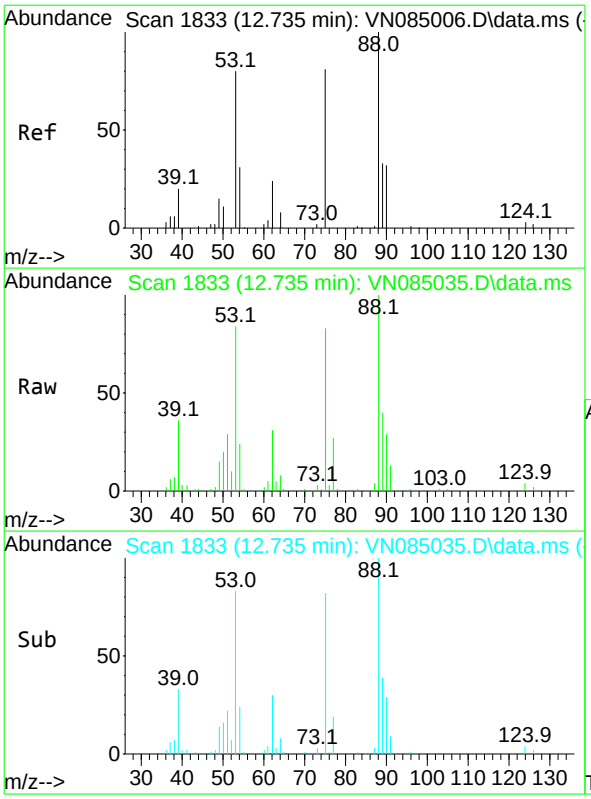


#80
1,3,5-Trimethylbenzene
Concen: 50.477 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:105 Resp: 365114

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.6	71.0





#81
trans-1,4-Dichloro-2-butene
Concen: 48.196 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 75 Resp: 48522

Ion	Ratio	Lower	Upper
75	100		
53	93.8	78.2	117.4
89	45.3	37.9	56.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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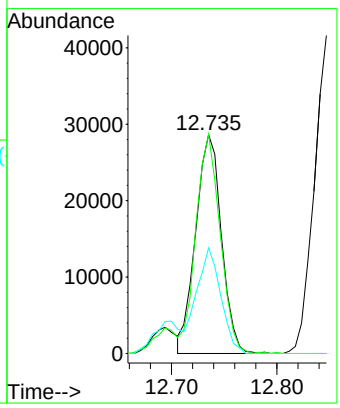
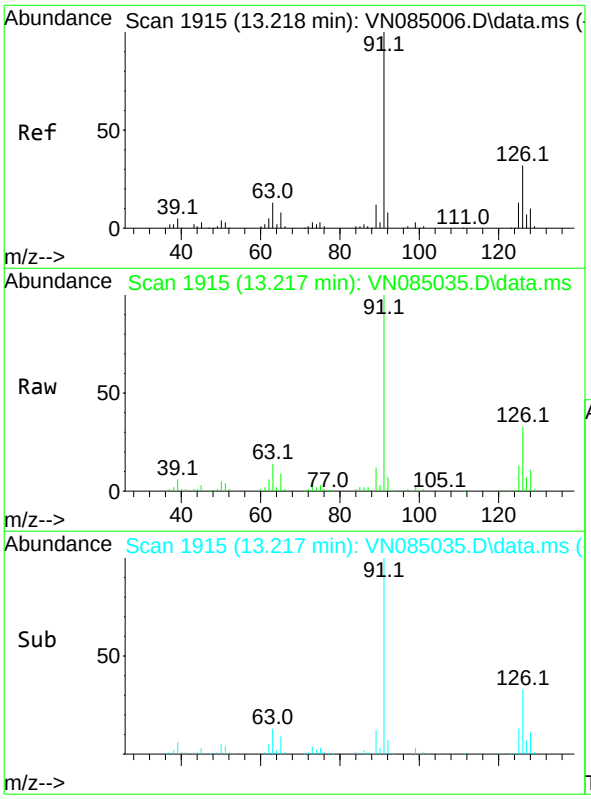
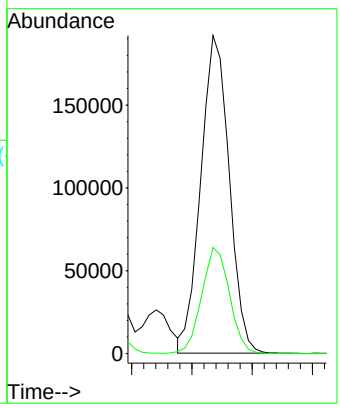


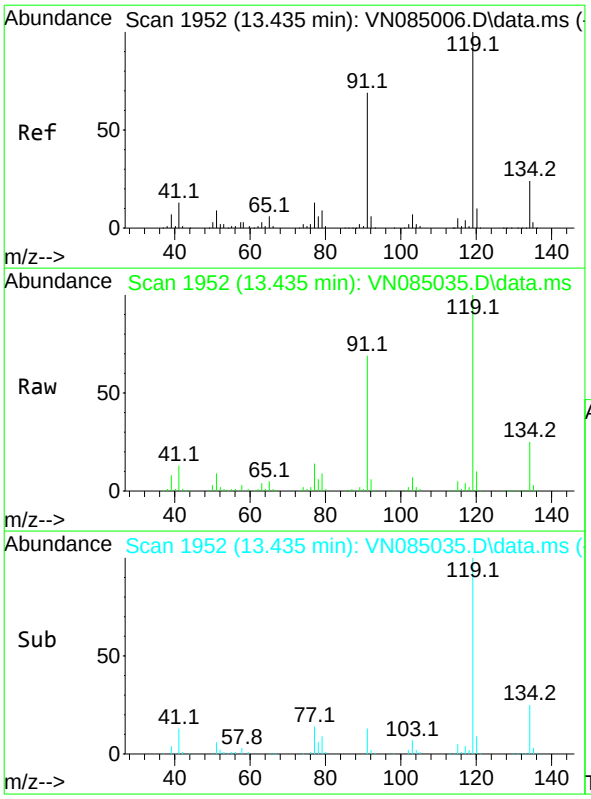


#82
4-Chlorotoluene
Concen: 45.458 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 91 Resp: 314077

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3

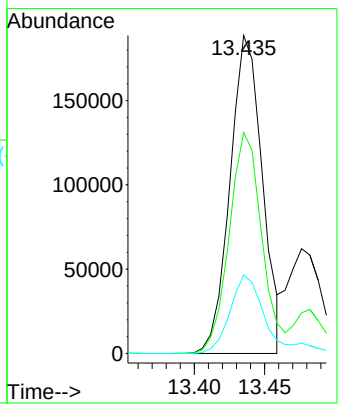




#83
tert-Butylbenzene
Concen: 48.401 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:119 Resp: 301224

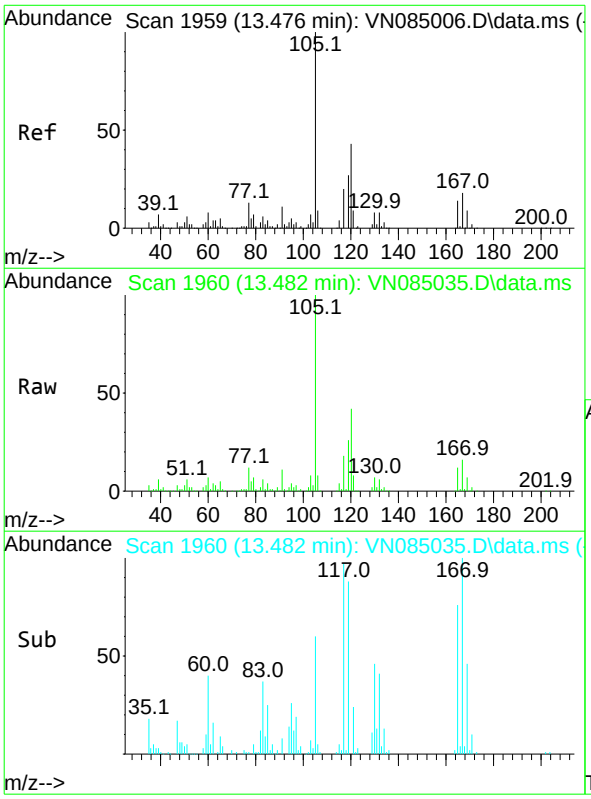
Ion	Ratio	Lower	Upper
119	100		
91	70.4	35.1	105.5
134	27.5	12.1	36.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

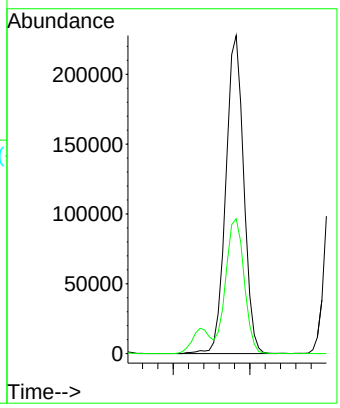
Reviewed By :John Carlone 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

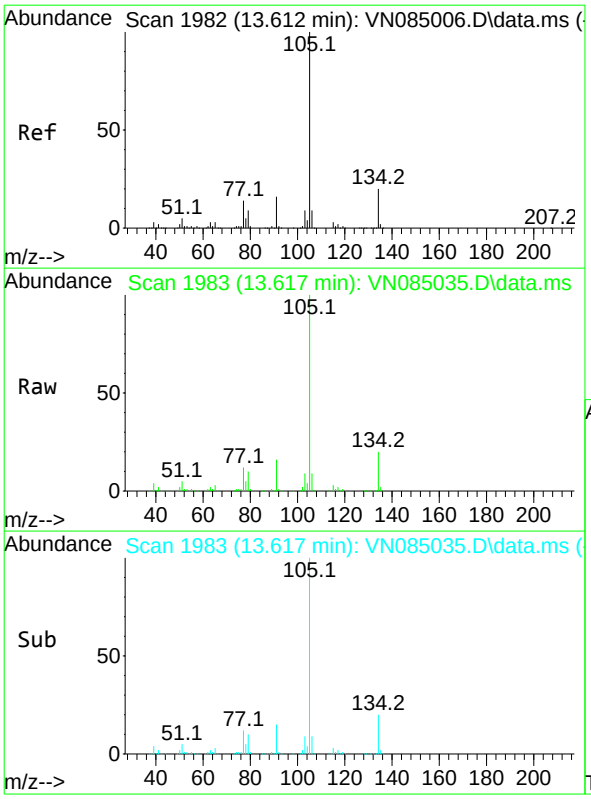


#84
1,2,4-Trimethylbenzene
Concen: 49.551 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:105 Resp: 368938

Ion	Ratio	Lower	Upper
105	100		
120	43.7	21.8	65.4

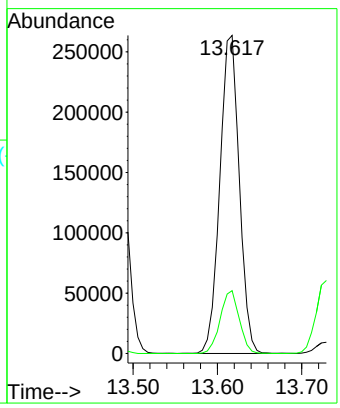




#85
sec-Butylbenzene
Concen: 50.248 ug/l
RT: 13.617 min Scan# 19
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:105 Resp: 422441

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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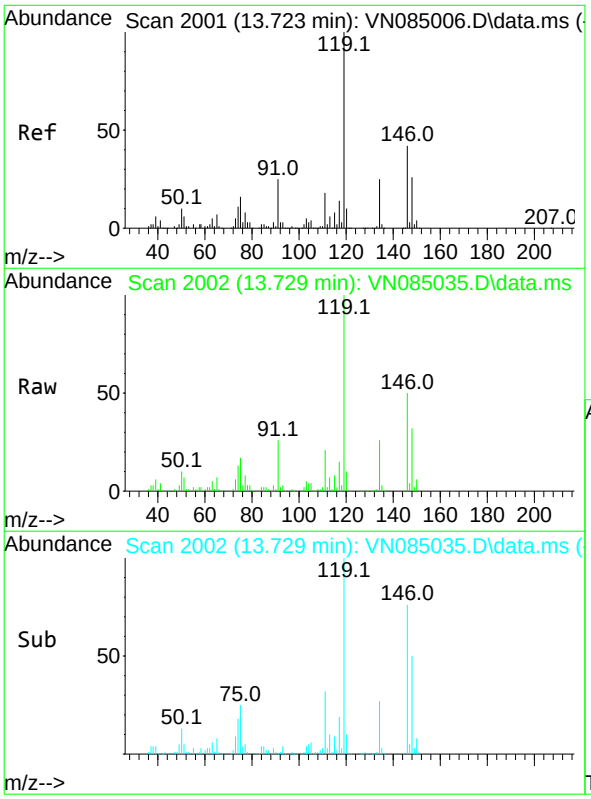
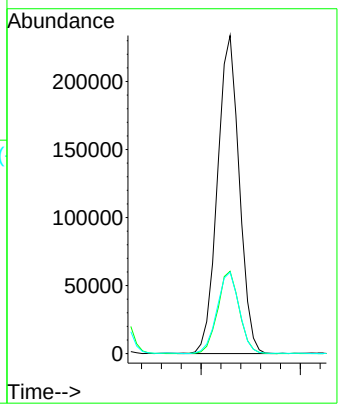
Reviewed By :John Carlone 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

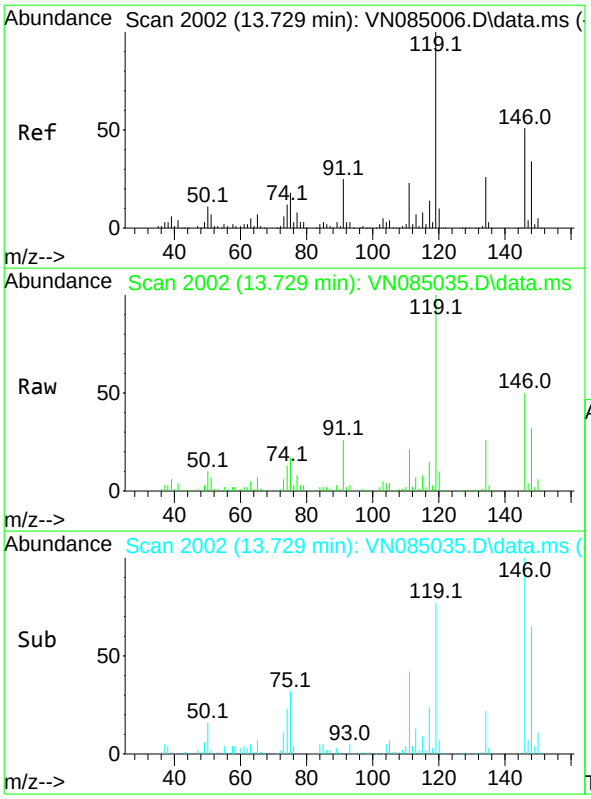


#86
p-Isopropyltoluene
Concen: 51.398 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:119 Resp: 356706

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	39.0
91	26.2	12.8	38.4

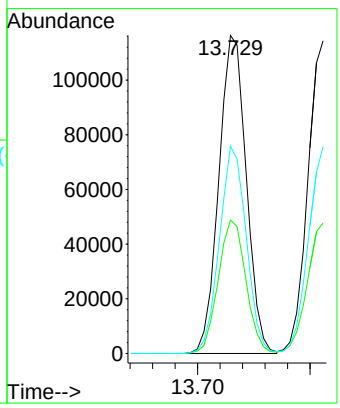




#87
1,3-Dichlorobenzene
Concen: 43.061 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:146 Resp: 197023

Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.6	65.0
148	63.8	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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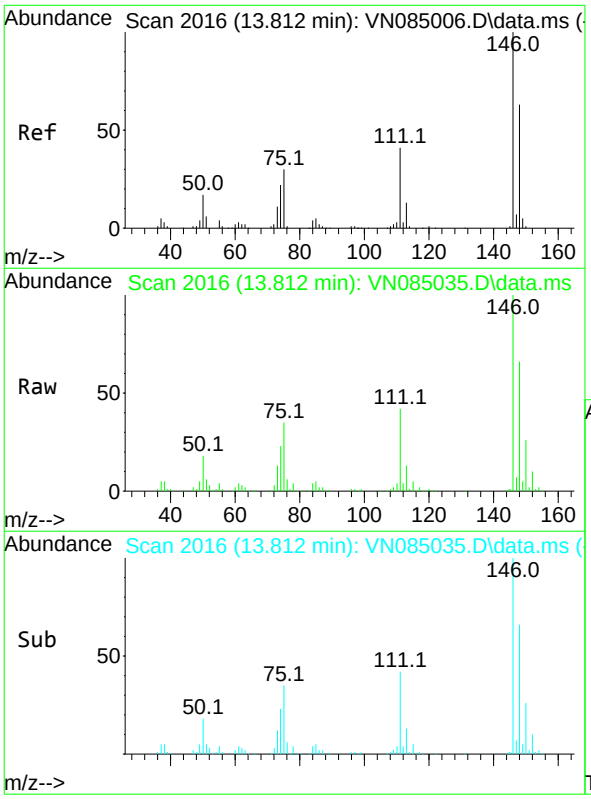
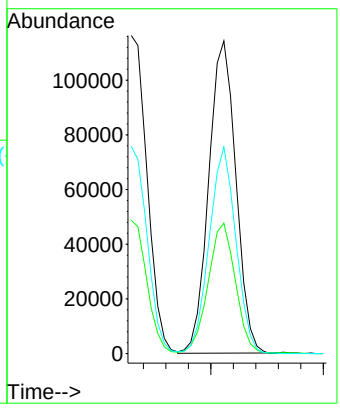
Reviewed By :John Carlone 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

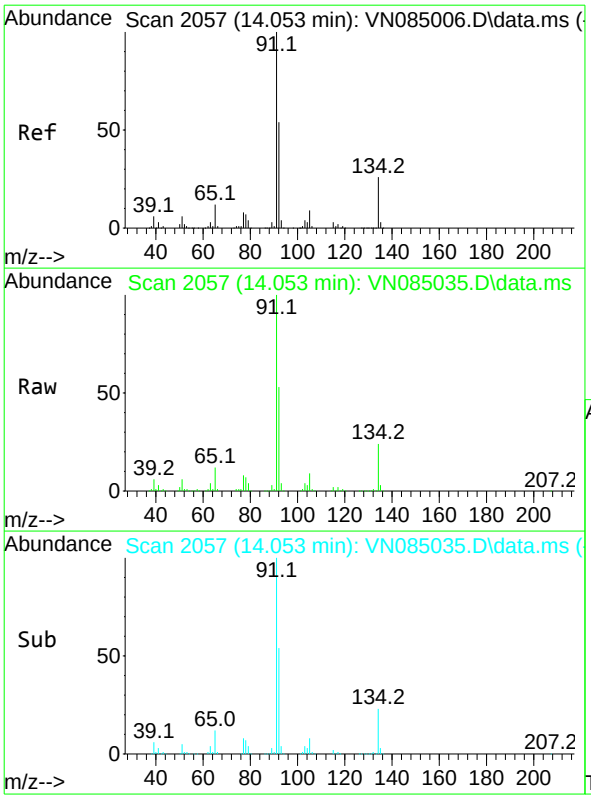


#88
1,4-Dichlorobenzene
Concen: 41.046 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:146 Resp: 191649

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.9	62.8
148	65.1	31.3	93.9





#89
n-Butylbenzene
Concen: 46.626 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 91 Resp: 300928

Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.8	80.3
134	24.9	12.8	38.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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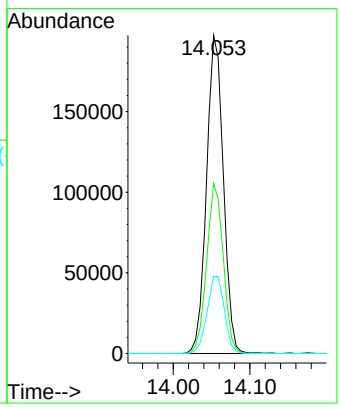
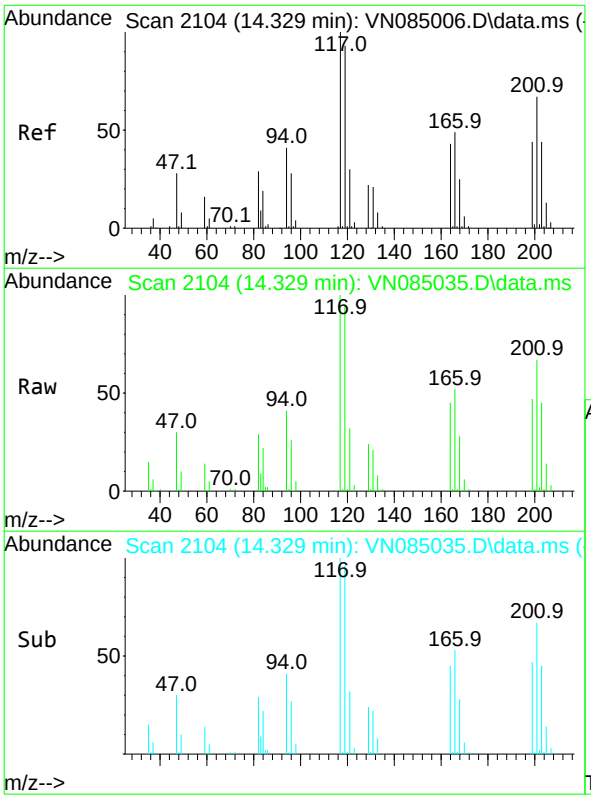
Reviewed By :John Carlone 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

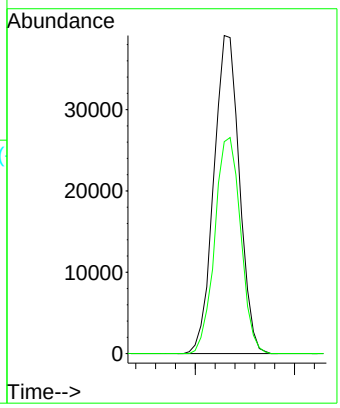


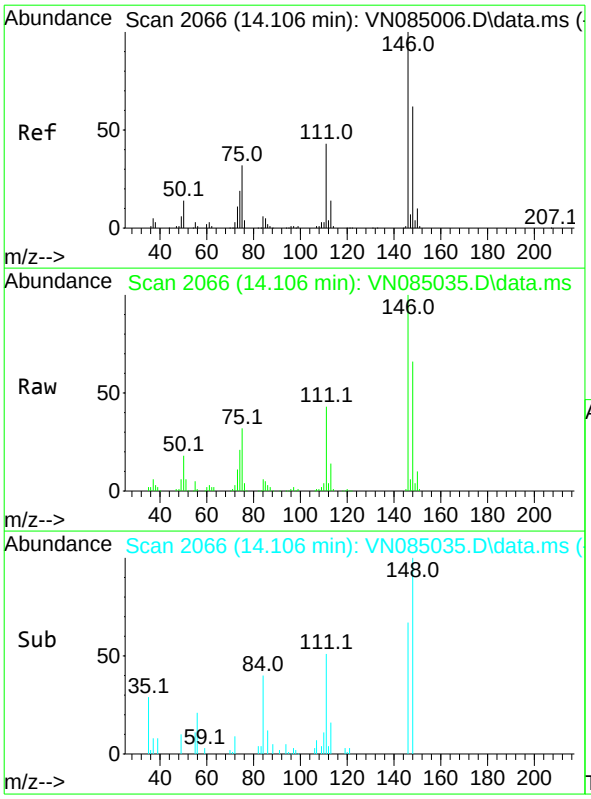


#90
Hexachloroethane
Concen: 46.355 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:117 Resp: 70124

Ion	Ratio	Lower	Upper
117	100		
201	68.6	35.2	105.6

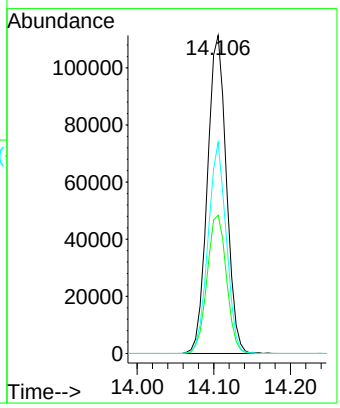




#91
1,2-Dichlorobenzene
Concen: 43.611 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:146 Resp: 191208

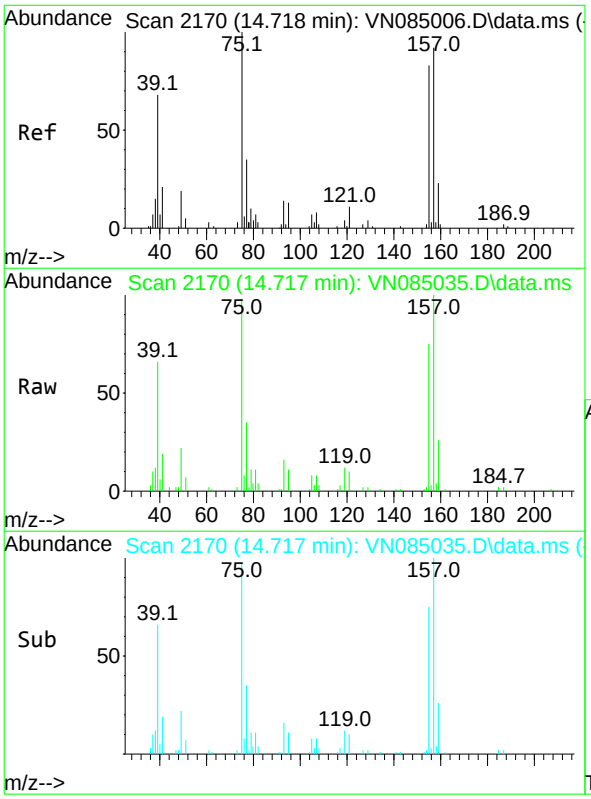
Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.9	65.8
148	63.4	31.1	93.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

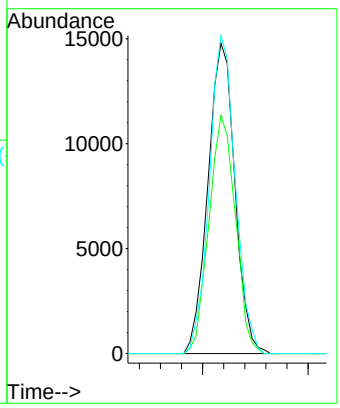
Reviewed By :John Carlone 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

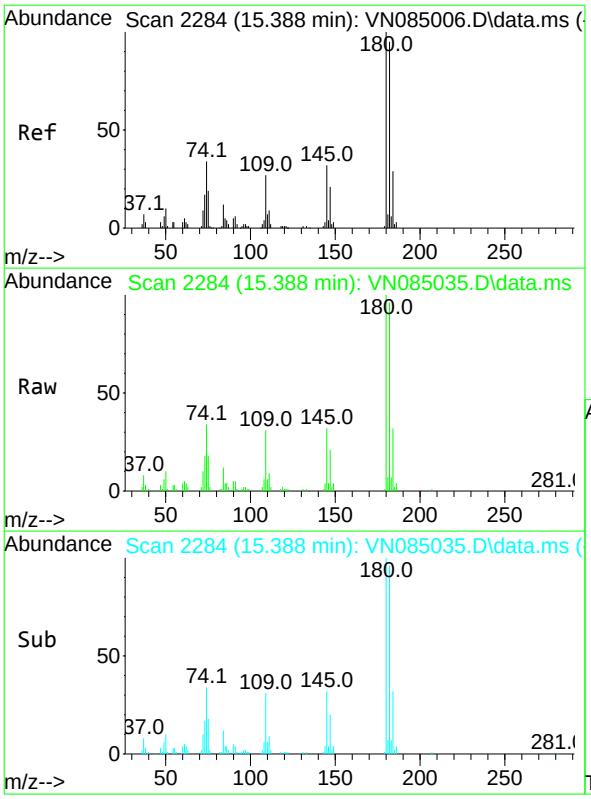


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.125 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 75 Resp: 26254

Ion	Ratio	Lower	Upper
75	100		
155	75.4	38.9	116.7
157	98.5	48.3	144.9





#93
1,2,4-Trichlorobenzene
Concen: 41.373 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

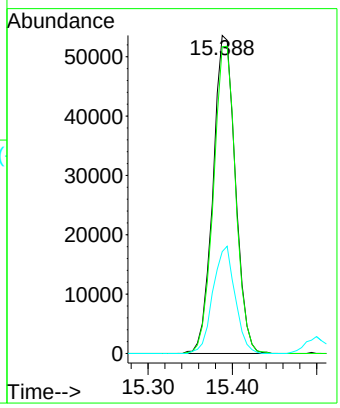
Tgt Ion:180 Resp: 98547

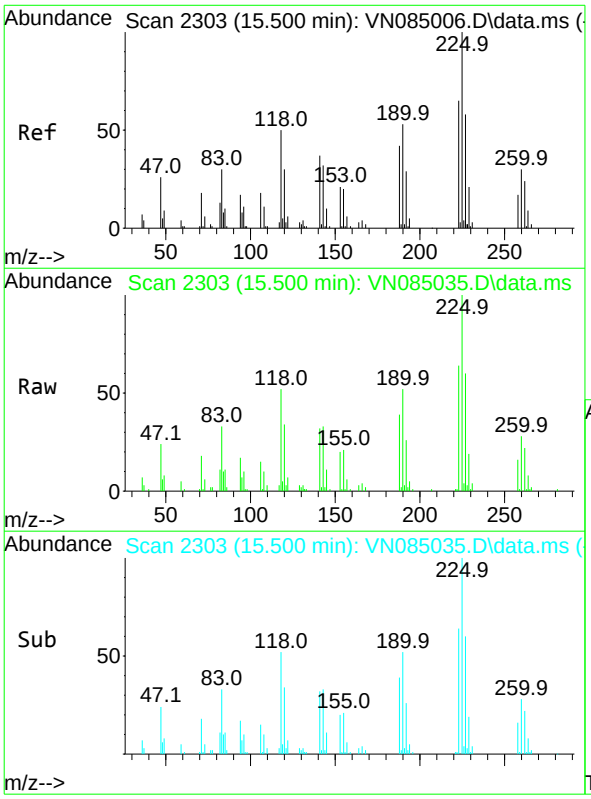
Ion	Ratio	Lower	Upper
180	100		
182	95.8	46.9	140.8
145	33.5	16.3	48.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

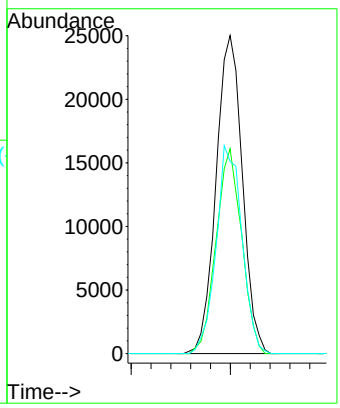


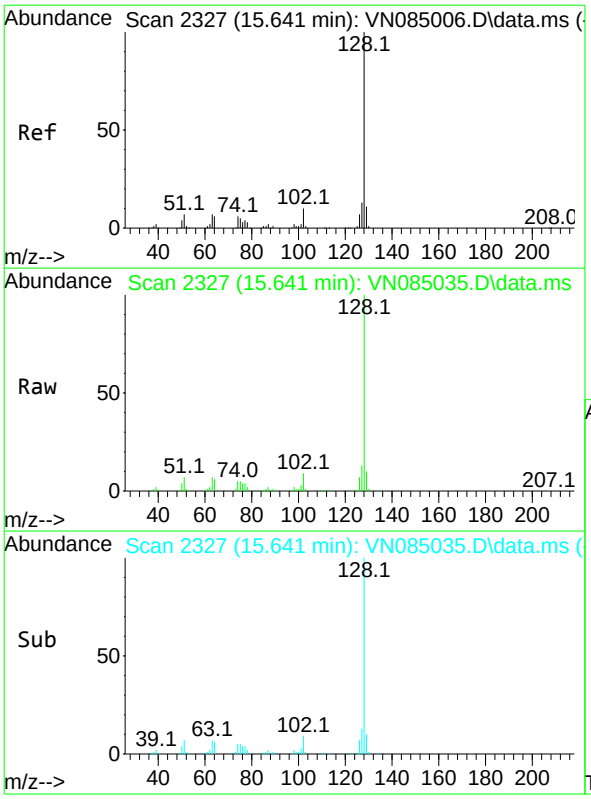


#94
Hexachlorobutadiene
Concen: 41.852 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:225 Resp: 46007

Ion	Ratio	Lower	Upper
225	100		
223	62.7	30.9	92.8
227	64.1	31.5	94.5





#95
Naphthalene
Concen: 46.305 ug/l
RT: 15.641 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

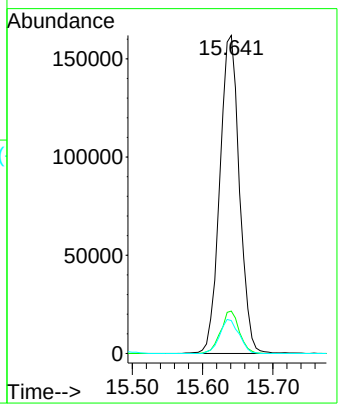
Tgt Ion:128 Resp: 314130

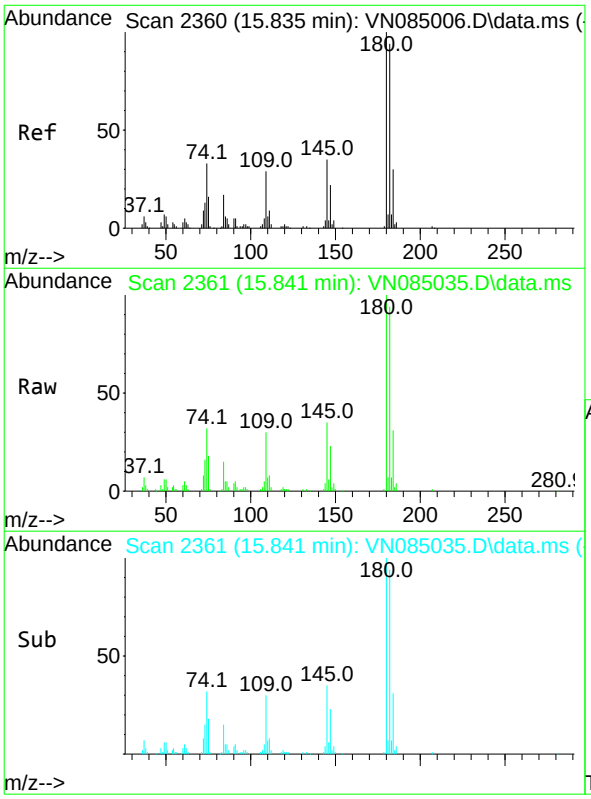
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.6	16.0
129	10.5	8.6	12.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

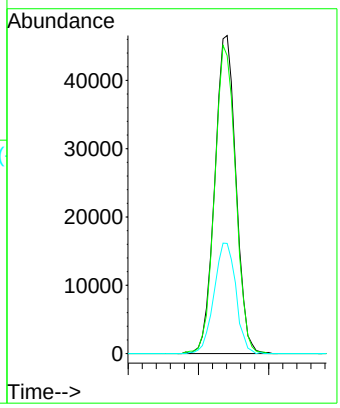




#96
1,2,3-Trichlorobenzene
Concen: 42.865 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:180 Resp: 97421

Ion	Ratio	Lower	Upper
180	100		
182	96.0	46.4	139.2
145	35.8	17.3	52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085035.D
Acq On : 26 Nov 2024 10:47
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 27 05:08:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	101	0.00
2	T	Dichlorodifluoromethane	0.565	0.526	6.9	95	0.00
3	P	Chloromethane	0.656	0.535	18.4	92	0.00
4	C	Vinyl Chloride	0.589	0.524	11.0#	92	0.00
5	T	Bromomethane	0.330	0.300	9.1	98	0.00
6	T	Chloroethane	0.397	0.350	11.8	94	0.00
7	T	Trichlorofluoromethane	1.002	0.938	6.4	98	0.00
8	T	Diethyl Ether	0.341	0.343	-0.6	99	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.569	0.551	3.2	101	0.00
10	T	Methyl Iodide	0.753	0.721	4.2	98	0.00
11	T	Tert butyl alcohol	0.095	0.098	-3.2	109	-0.01
12	CM	1,1-Dichloroethene	0.531	0.475	10.5#	92	0.00
13	T	Acrolein	0.064	0.072	-12.5	104	0.00
14	T	Allyl chloride	0.895	0.844	5.7	96	0.00
15	T	Acrylonitrile	0.269	0.276	-2.6	106	0.00
16	T	Acetone	0.207	0.249	-20.3	124	0.00
17	T	Carbon Disulfide	1.566	1.286	17.9	88	0.00
18	T	Methyl Acetate	0.804	0.690	14.2	106	0.00
19	T	Methyl tert-butyl Ether	1.734	1.749	-0.9	100	0.00
20	T	Methylene Chloride	0.633	0.572	9.6	98	0.00
21	T	trans-1,2-Dichloroethene	0.558	0.516	7.5	94	0.00
22	T	Diisopropyl ether	1.801	1.738	3.5	99	0.00
23	T	Vinyl Acetate	1.242	1.265	-1.9	99	0.00
24	P	1,1-Dichloroethane	1.078	1.030	4.5	99	0.00
25	T	2-Butanone	0.339	0.365	-7.7	111	0.00
26	T	2,2-Dichloropropane	1.006	0.965	4.1	98	0.00
27	T	cis-1,2-Dichloroethene	0.673	0.638	5.2	98	0.00
28	T	Bromochloromethane	0.407	0.429	-5.4	110	0.00
29	T	Tetrahydrofuran	0.211	0.228	-8.1	108	0.00
30	C	Chloroform	1.146	1.080	5.8#	99	0.00
31	T	Cyclohexane	0.949	0.844	11.1	97	0.00
32	T	1,1,1-Trichloroethane	1.036	0.991	4.3	99	0.00
33	S	1,2-Dichloroethane-d4	0.712	0.724	-1.7	104	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	101	0.00
35	S	Dibromofluoromethane	0.337	0.341	-1.2	102	0.00
36	T	1,1-Dichloropropene	0.457	0.428	6.3	95	0.00
37	T	Ethyl Acetate	0.415	0.431	-3.9	108	0.00
38	T	Carbon Tetrachloride	0.527	0.525	0.4	100	0.00
39	T	Methylcyclohexane	0.475	0.461	2.9	92	0.00
40	TM	Benzene	1.444	1.369	5.2	97	0.00
41	T	Methacrylonitrile	0.230	0.240	-4.3	105	0.00
42	TM	1,2-Dichloroethane	0.494	0.475	3.8	100	0.00
43	T	Isopropyl Acetate	0.862	0.744	13.7	100	0.00
44	TM	Trichloroethene	0.336	0.310	7.7	96	0.00
45	C	1,2-Dichloropropane	0.356	0.334	6.2#	97	0.00
46	T	Dibromomethane	0.247	0.236	4.5	98	0.00
47	T	Bromodichloromethane	0.524	0.513	2.1	99	0.00
48	T	Methyl methacrylate	0.321	0.340	-5.9	105	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085035.D
Acq On : 26 Nov 2024 10:47
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 27 05:08:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.006	0.0	108	0.00
50	S	Toluene-d8	1.208	1.216	-0.7	99	0.00
51	T	4-Methyl-2-Pentanone	0.394	0.437	-10.9	109	0.00
52	CM	Toluene	0.855	0.854	0.1#	98	0.00
53	T	t-1,3-Dichloropropene	0.525	0.517	1.5	96	0.00
54	T	cis-1,3-Dichloropropene	0.557	0.550	1.3	97	0.00
55	T	1,1,2-Trichloroethane	0.319	0.326	-2.2	103	0.00
56	T	Ethyl methacrylate	0.465	0.520	-11.8	102	0.00
57	T	1,3-Dichloropropane	0.561	0.549	2.1	100	0.00
58	T	2-Chloroethyl Vinyl ether	0.228	0.259	-13.6	97	0.00
59	T	2-Hexanone	0.295	0.335	-13.6	109	0.00
60	T	Dibromochloromethane	0.389	0.389	0.0	102	0.00
61	T	1,2-Dibromoethane	0.330	0.326	1.2	100	0.00
62	S	4-Bromofluorobenzene	0.452	0.460	-1.8	100	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64	T	Tetrachloroethene	0.337	0.309	8.3	98	0.00
65	PM	Chlorobenzene	1.134	1.037	8.6	99	0.00
66	T	1,1,1,2-Tetrachloroethane	0.399	0.385	3.5	101	0.00
67	C	Ethyl Benzene	1.840	1.834	0.3#	98	0.00
68	T	m/p-Xylenes	0.700	0.702	-0.3	99	0.00
69	T	o-Xylene	0.666	0.674	-1.2	99	0.00
70	T	Styrene	1.108	1.161	-4.8	101	0.00
71	P	Bromoform	0.296	0.302	-2.0	102	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
73	T	Isopropylbenzene	3.527	3.435	2.6	101	0.00
74	T	N-amyl acetate	1.454	1.463	-0.6	101	0.00
75	P	1,1,2,2-Tetrachloroethane	1.204	1.090	9.5	106	0.00
76	T	1,2,3-Trichloropropane	0.909	0.987	-8.6	117	0.00
77	T	Bromobenzene	0.949	0.846	10.9	98	0.00
78	T	n-propylbenzene	4.068	4.040	0.7	102	0.00
79	T	2-Chlorotoluene	2.716	2.536	6.6	101	0.00
80	T	1,3,5-Trimethylbenzene	2.960	2.988	-0.9	101	0.00
81	T	trans-1,4-Dichloro-2-butene	0.412	0.397	3.6	104	0.00
82	T	4-Chlorotoluene	2.827	2.570	9.1	99	0.00
83	T	tert-Butylbenzene	2.547	2.465	3.2	100	0.00
84	T	1,2,4-Trimethylbenzene	3.047	3.019	0.9	99	0.00
85	T	sec-Butylbenzene	3.440	3.457	-0.5	101	0.00
86	T	p-Isopropyltoluene	2.840	2.919	-2.8	101	0.00
87	T	1,3-Dichlorobenzene	1.872	1.612	13.9	100	0.00
88	T	1,4-Dichlorobenzene	1.911	1.568	17.9	95	0.00
89	T	n-Butylbenzene	2.641	2.463	6.7	98	0.00
90	T	Hexachloroethane	0.619	0.574	7.3	101	0.00
91	T	1,2-Dichlorobenzene	1.794	1.565	12.8	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.215	7.7	105	0.00
93	T	1,2,4-Trichlorobenzene	0.975	0.807	17.2	95	0.00
94	T	Hexachlorobutadiene	0.450	0.377	16.2	100	0.00
95	T	Naphthalene	2.776	2.571	7.4	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085035.D
Acq On : 26 Nov 2024 10:47
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 27 05:08:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.930	0.797	14.3	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085035.D
Acq On : 26 Nov 2024 10:47
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 27 05:08:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	101	0.00
2	T	Dichlorodifluoromethane	50.000	46.553	6.9	95	0.00
3	P	Chloromethane	50.000	40.786	18.4	92	0.00
4	C	Vinyl Chloride	50.000	44.447	11.1#	92	0.00
5	T	Bromomethane	50.000	45.421	9.2	98	0.00
6	T	Chloroethane	50.000	44.083	11.8	94	0.00
7	T	Trichlorofluoromethane	50.000	46.782	6.4	98	0.00
8	T	Diethyl Ether	50.000	50.196	-0.4	99	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.431	3.1	101	0.00
10	T	Methyl Iodide	50.000	47.879	4.2	98	0.00
11	T	Tert butyl alcohol	250.000	256.548	-2.6	109	-0.01
12	CM	1,1-Dichloroethene	50.000	44.798	10.4#	92	0.00
13	T	Acrolein	250.000	281.617	-12.6	104	0.00
14	T	Allyl chloride	50.000	47.177	5.6	96	0.00
15	T	Acrylonitrile	250.000	256.323	-2.5	106	0.00
16	T	Acetone	250.000	299.696	-19.9	124	0.00
17	T	Carbon Disulfide	50.000	41.036	17.9	88	0.00
18	T	Methyl Acetate	50.000	52.067	-4.1	106	0.00
19	T	Methyl tert-butyl Ether	50.000	50.444	-0.9	100	0.00
20	T	Methylene Chloride	50.000	45.211	9.6	98	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.217	7.6	94	0.00
22	T	Diisopropyl ether	50.000	48.256	3.5	99	0.00
23	T	Vinyl Acetate	250.000	254.620	-1.8	99	0.00
24	P	1,1-Dichloroethane	50.000	47.772	4.5	99	0.00
25	T	2-Butanone	250.000	268.827	-7.5	111	0.00
26	T	2,2-Dichloropropane	50.000	47.960	4.1	98	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.388	5.2	98	0.00
28	T	Bromochloromethane	50.000	52.763	-5.5	110	0.00
29	T	Tetrahydrofuran	250.000	270.576	-8.2	108	0.00
30	C	Chloroform	50.000	47.097	5.8#	99	0.00
31	T	Cyclohexane	50.000	44.490	11.0	97	0.00
32	T	1,1,1-Trichloroethane	50.000	47.843	4.3	99	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.815	-1.6	104	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	101	0.00
35	S	Dibromofluoromethane	50.000	50.608	-1.2	102	0.00
36	T	1,1-Dichloropropene	50.000	46.842	6.3	95	0.00
37	T	Ethyl Acetate	50.000	51.854	-3.7	108	0.00
38	T	Carbon Tetrachloride	50.000	49.820	0.4	100	0.00
39	T	Methylcyclohexane	50.000	48.612	2.8	92	0.00
40	TM	Benzene	50.000	47.382	5.2	97	0.00
41	T	Methacrylonitrile	50.000	52.138	-4.3	105	0.00
42	TM	1,2-Dichloroethane	50.000	48.086	3.8	100	0.00
43	T	Isopropyl Acetate	50.000	43.113	13.8	100	0.00
44	TM	Trichloroethene	50.000	46.190	7.6	96	0.00
45	C	1,2-Dichloropropane	50.000	46.997	6.0#	97	0.00
46	T	Dibromomethane	50.000	47.749	4.5	98	0.00
47	T	Bromodichloromethane	50.000	48.956	2.1	99	0.00
48	T	Methyl methacrylate	50.000	52.894	-5.8	105	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085035.D
Acq On : 26 Nov 2024 10:47
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 27 05:08:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1114.269	-11.4	108	0.00
50	S	Toluene-d8	50.000	50.302	-0.6	99	0.00
51	T	4-Methyl-2-Pentanone	250.000	277.350	-10.9	109	0.00
52	CM	Toluene	50.000	49.952	0.1#	98	0.00
53	T	t-1,3-Dichloropropene	50.000	49.251	1.5	96	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.375	1.3	97	0.00
55	T	1,1,2-Trichloroethane	50.000	51.140	-2.3	103	0.00
56	T	Ethyl methacrylate	50.000	55.843	-11.7	102	0.00
57	T	1,3-Dichloropropane	50.000	48.930	2.1	100	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	283.452	-13.4	97	0.00
59	T	2-Hexanone	250.000	284.177	-13.7	109	0.00
60	T	Dibromochloromethane	50.000	49.911	0.2	102	0.00
61	T	1,2-Dibromoethane	50.000	49.376	1.2	100	0.00
62	S	4-Bromofluorobenzene	50.000	50.879	-1.8	100	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64	T	Tetrachloroethene	50.000	45.931	8.1	98	0.00
65	PM	Chlorobenzene	50.000	45.742	8.5	99	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	48.188	3.6	101	0.00
67	C	Ethyl Benzene	50.000	49.840	0.3#	98	0.00
68	T	m/p-Xylenes	100.000	100.293	-0.3	99	0.00
69	T	o-Xylene	50.000	50.601	-1.2	99	0.00
70	T	Styrene	50.000	52.383	-4.8	101	0.00
71	P	Bromoform	50.000	50.965	-1.9	102	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	107	0.00
73	T	Isopropylbenzene	50.000	48.684	2.6	101	0.00
74	T	N-amyl acetate	50.000	50.317	-0.6	101	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	45.255	9.5	106	0.00
76	T	1,2,3-Trichloropropane	50.000	54.263	-8.5	117	0.00
77	T	Bromobenzene	50.000	44.588	10.8	98	0.00
78	T	n-propylbenzene	50.000	49.646	0.7	102	0.00
79	T	2-Chlorotoluene	50.000	46.679	6.6	101	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.477	-1.0	101	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	48.196	3.6	104	0.00
82	T	4-Chlorotoluene	50.000	45.458	9.1	99	0.00
83	T	tert-Butylbenzene	50.000	48.401	3.2	100	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.551	0.9	99	0.00
85	T	sec-Butylbenzene	50.000	50.248	-0.5	101	0.00
86	T	p-Isopropyltoluene	50.000	51.398	-2.8	101	0.00
87	T	1,3-Dichlorobenzene	50.000	43.061	13.9	100	0.00
88	T	1,4-Dichlorobenzene	50.000	41.046	17.9	95	0.00
89	T	n-Butylbenzene	50.000	46.626	6.7	98	0.00
90	T	Hexachloroethane	50.000	46.355	7.3	101	0.00
91	T	1,2-Dichlorobenzene	50.000	43.611	12.8	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.125	7.8	105	0.00
93	T	1,2,4-Trichlorobenzene	50.000	41.373	17.3	95	0.00
94	T	Hexachlorobutadiene	50.000	41.852	16.3	100	0.00
95	T	Naphthalene	50.000	46.305	7.4	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085035.D
Acq On : 26 Nov 2024 10:47
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 27 05:08:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	42.865	14.3	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG No.: P4845

Instrument ID: MSVOA_N Calibration Date/Time: 11/26/2024 18:12

Lab File ID: VN085050.D Init. Calib. Date(s): 11/22/2024 11/22/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:22 13:45

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.565	0.511		-9.56	50
Chloromethane	0.656	0.535	0.1	-18.44	50
Vinyl Chloride	0.589	0.517		-12.22	50
Bromomethane	0.330	0.277		-16.06	50
Chloroethane	0.397	0.343		-13.6	50
Trichlorofluoromethane	1.002	0.937		-6.49	50
1,1,2-Trichlorotrifluoroethane	0.569	0.533		-6.33	50
1,1-Dichloroethene	0.531	0.504		-5.09	50
Acetone	0.207	0.256		23.67	50
Carbon Disulfide	1.566	1.265		-19.22	50
Methyl tert-butyl Ether	1.734	1.803		3.98	50
Methyl Acetate	0.804	0.770		-4.23	50
Methylene Chloride	0.633	0.580		-8.37	50
trans-1,2-Dichloroethene	0.558	0.512		-8.24	50
1,1-Dichloroethane	1.078	1.035	0.1	-3.99	50
Cyclohexane	0.949	0.829		-12.65	50
2-Butanone	0.339	0.394		16.22	50
Carbon Tetrachloride	0.527	0.512		-2.85	50
cis-1,2-Dichloroethene	0.673	0.647		-3.86	50
Bromochloromethane	0.407	0.399		-1.97	50
Chloroform	1.146	1.082		-5.59	50
1,1,1-Trichloroethane	1.036	1.005		-2.99	50
Methylcyclohexane	0.475	0.445		-6.32	50
Benzene	1.445	1.390		-3.74	50
1,2-Dichloroethane	0.494	0.481		-2.63	50
Trichloroethene	0.336	0.313		-6.84	50
1,2-Dichloropropane	0.356	0.339		-4.78	50
Bromodichloromethane	0.524	0.525		0.19	50
4-Methyl-2-Pentanone	0.394	0.473		20.05	50
Toluene	0.855	0.857		0.23	50
t-1,3-Dichloropropene	0.525	0.525		0	50
cis-1,3-Dichloropropene	0.557	0.550		-1.26	50
1,1,2-Trichloroethane	0.319	0.334		4.7	50
2-Hexanone	0.295	0.356		20.68	50
Dibromochloromethane	0.389	0.395		1.54	50
1,2-Dibromoethane	0.330	0.334		1.21	50
Tetrachloroethene	0.337	0.302		-10.39	50
Chlorobenzene	1.134	1.033	0.3	-8.91	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4845 SAS No.: P4845 SDG No.: P4845

Instrument ID: MSVOA_N Calibration Date/Time: 11/26/2024 18:12

Lab File ID: VN085050.D Init. Calib. Date(s): 11/22/2024 11/22/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:22 13:45

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.840	1.825		-0.81	50
m/p-Xylenes	0.700	0.697		-0.43	50
o-Xylene	0.666	0.677		1.65	50
Styrene	1.108	1.157		4.42	50
Bromoform	0.296	0.301	0.1	1.69	50
Isopropylbenzene	3.527	3.375		-4.31	50
1,1,2,2-Tetrachloroethane	1.205	1.111	0.3	-7.72	50
1,3-Dichlorobenzene	1.872	1.512		-19.23	50
1,4-Dichlorobenzene	1.911	1.524		-20.25	50
1,2-Dichlorobenzene	1.794	1.553		-13.43	50
1,2-Dibromo-3-Chloropropane	0.233	0.237		1.72	50
1,2,4-Trichlorobenzene	0.975	0.769		-21.13	50
1,2,3-Trichlorobenzene	0.930	0.755		-18.82	50
1,2-Dichloroethane-d4	0.712	0.648		-8.99	50
Dibromofluoromethane	0.337	0.302		-10.39	50
Toluene-d8	1.208	1.096		-9.27	50
4-Bromofluorobenzene	0.452	0.424		-6.2	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085050.D
Acq On : 26 Nov 2024 18:12
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 27 05:19:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED
Reviewed By :John Carlone 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	153430	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	256451	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	227672	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	116253	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	99406	45.484	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 90.960%			
35) Dibromofluoromethane	8.159	113	77420	44.766	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 89.540%			
50) Toluene-d8	10.565	98	281059	45.348	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 90.700%			
62) 4-Bromofluorobenzene	12.847	95	108675	46.887	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	78431	45.208	ug/l	97
3) Chloromethane	2.359	50	82094	40.798	ug/l	97
4) Vinyl Chloride	2.512	62	79381	43.898	ug/l	97
5) Bromomethane	2.900	94	42503	41.935	ug/l	98
6) Chloroethane	3.065	64	52583	43.141	ug/l	100
7) Trichlorofluoromethane	3.459	101	143786	46.743	ug/l	99
8) Diethyl Ether	3.953	74	52756	50.388	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.347	101	81764	46.865	ug/l	99
10) Methyl Iodide	4.577	142	111146	48.128	ug/l	98
11) Tert butyl alcohol	5.535	59	92085	315.304	ug/l	99
12) 1,1-Dichloroethene	4.318	96	77314	47.476	ug/l	97
13) Acrolein	4.171	56	90114	462.414	ug/l	97
14) Allyl chloride	5.012	41	132081	48.111	ug/l	98
15) Acrylonitrile	5.718	53	224812	271.892	ug/l	98
16) Acetone	4.424	43	196100	308.090	ug/l	99
17) Carbon Disulfide	4.694	76	194013	40.363	ug/l	100
18) Methyl Acetate	5.018	43	118116	58.248	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	276560	51.977	ug/l	98
20) Methylene Chloride	5.265	84	89054	45.850	ug/l	91
21) trans-1,2-Dichloroethene	5.777	96	78484	45.797	ug/l	88
22) Diisopropyl ether	6.671	45	275336	49.831	ug/l	98
23) Vinyl Acetate	6.594	43	1030035	270.220	ug/l	99
24) 1,1-Dichloroethane	6.559	63	158805	48.028	ug/l	99
25) 2-Butanone	7.482	43	302206	290.407	ug/l	97
26) 2,2-Dichloropropane	7.482	77	145854	47.240	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	99330	48.079	ug/l	99
28) Bromochloromethane	7.812	49	61203	49.035	ug/l	95
29) Tetrahydrofuran	7.835	42	188504	291.291	ug/l	99
30) Chloroform	7.965	83	166044	47.208	ug/l	99
31) Cyclohexane	8.253	56	127216	43.698	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	154174	48.507	ug/l	98
36) 1,1-Dichloropropene	8.371	75	108611	46.366	ug/l	99
37) Ethyl Acetate	7.559	43	116373	54.646	ug/l	98
38) Carbon Tetrachloride	8.359	117	131332	48.571	ug/l	96
39) Methylcyclohexane	9.600	83	114201	46.916	ug/l	100
40) Benzene	8.600	78	356588	48.130	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085050.D
Acq On : 26 Nov 2024 18:12
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 27 05:19:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED
Reviewed By :John Carlone 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	62758	53.226	ug/l		95
42) 1,2-Dichloroethane	8.665	62	123426	48.696	ug/l		100
43) Isopropyl Acetate	8.688	43	275827	62.355	ug/l	#	89
44) Trichloroethene	9.347	130	80386	46.688	ug/l		92
45) 1,2-Dichloropropane	9.618	63	87009	47.681	ug/l		98
46) Dibromomethane	9.706	93	62202	49.056	ug/l		100
47) Bromodichloromethane	9.888	83	134764	50.146	ug/l		100
48) Methyl methacrylate	9.676	41	91748	55.737	ug/l		96
49) 1,4-Dioxane	9.694	88	35077	1228.790	ug/l	#	91
51) 4-Methyl-2-Pentanone	10.447	43	605885	299.877	ug/l		99
52) Toluene	10.629	92	219828	50.120	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	134511	49.924	ug/l		96
54) cis-1,3-Dichloropropene	10.312	75	140927	49.304	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	85550	52.366	ug/l		97
56) Ethyl methacrylate	10.870	69	138242	57.909	ug/l		97
57) 1,3-Dichloropropane	11.159	76	146001	50.778	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	357062	304.919	ug/l		100
59) 2-Hexanone	11.194	43	456163	301.875	ug/l		99
60) Dibromochloromethane	11.359	129	101239	50.705	ug/l		100
61) 1,2-Dibromoethane	11.470	107	85548	50.598	ug/l		100
64) Tetrachloroethene	11.100	164	68775	44.830	ug/l		97
65) Chlorobenzene	11.888	112	235294	45.570	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	88625	48.750	ug/l		100
67) Ethyl Benzene	11.964	91	415484	49.599	ug/l		98
68) m/p-Xylenes	12.070	106	317581	99.579	ug/l		99
69) o-Xylene	12.394	106	154101	50.796	ug/l		100
70) Styrene	12.412	104	263359	52.202	ug/l		99
71) Bromoform	12.576	173	68519	50.776	ug/l	#	97
73) Isopropylbenzene	12.694	105	392356	47.841	ug/l		100
74) N-amyl acetate	12.494	43	177798	52.610	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	129135	46.111	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	118889m	56.224	ug/l		
77) Bromobenzene	12.976	156	96650	43.792	ug/l		96
78) n-propylbenzene	13.035	91	452784	47.866	ug/l		99
79) 2-Chlorotoluene	13.123	91	287148	45.474	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	340710	49.508	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.735	75	47013	49.081	ug/l		93
82) 4-Chlorotoluene	13.217	91	286775	43.625	ug/l		99
83) tert-Butylbenzene	13.435	119	287470	48.549	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	339626	47.943	ug/l		99
85) sec-Butylbenzene	13.617	105	382841	47.862	ug/l		100
86) p-Isopropyltoluene	13.729	119	321691	48.719	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	175822	40.389	ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	177138	39.875	ug/l		100
89) n-Butylbenzene	14.053	91	260916	42.490	ug/l		99
90) Hexachloroethane	14.329	117	64448	44.778	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	180536	43.280	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	27604	50.973	ug/l		99
93) 1,2,4-Trichlorobenzene	15.388	180	89421	39.459	ug/l		100
94) Hexachlorobutadiene	15.500	225	41070	39.268	ug/l		99
95) Naphthalene	15.641	128	297179	46.043	ug/l		98
96) 1,2,3-Trichlorobenzene	15.841	180	87745	40.579	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085050.D
Acq On : 26 Nov 2024 18:12
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 27 05:19:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085050.D
Acq On : 26 Nov 2024 18:12
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 27 05:19:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

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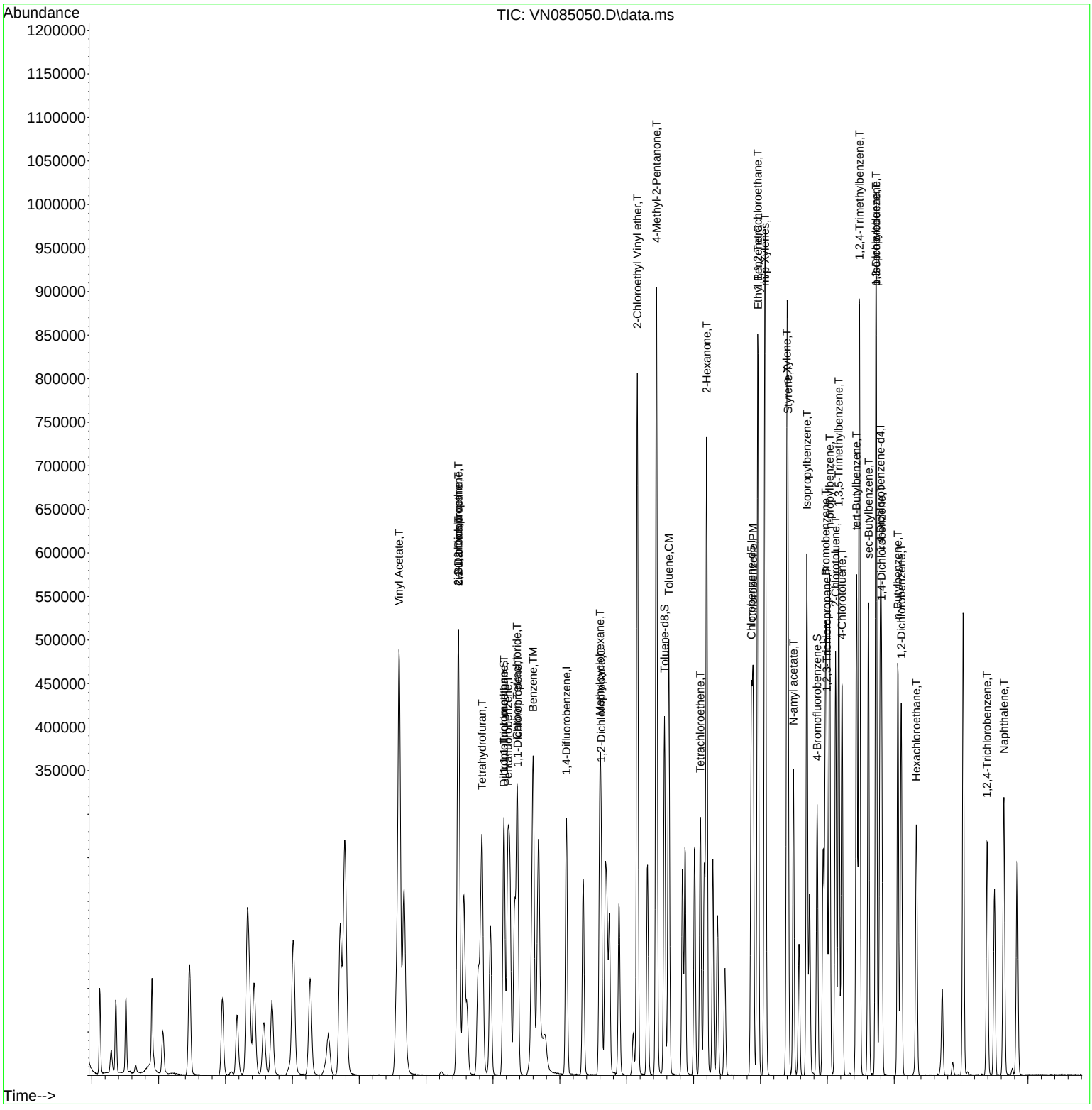
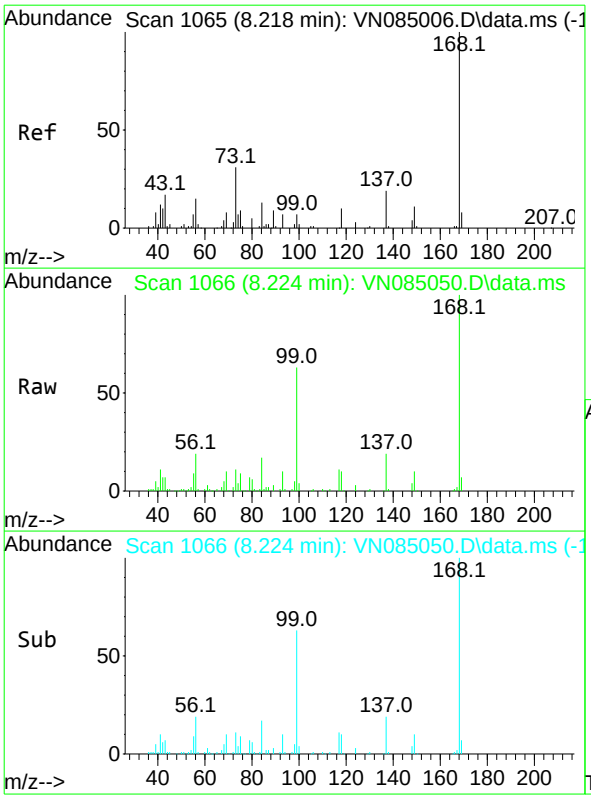
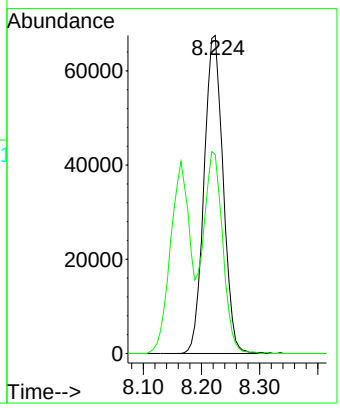




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:168 Resp: 153430

Ion	Ratio	Lower	Upper
168	100		
99	62.6	51.2	76.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

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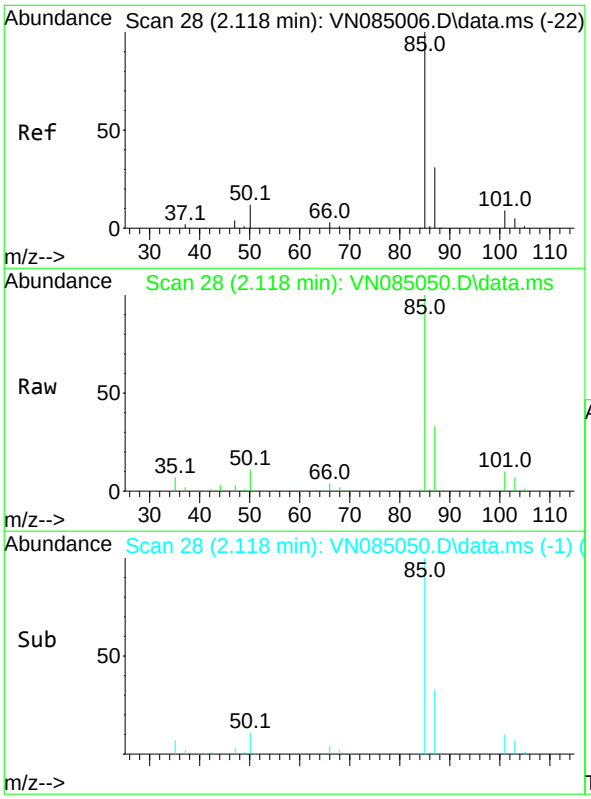
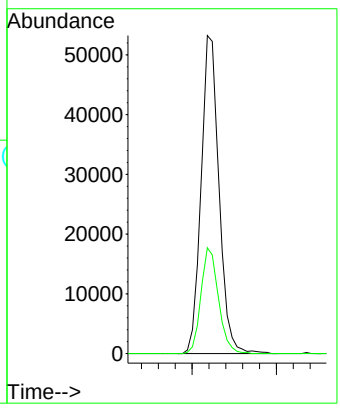
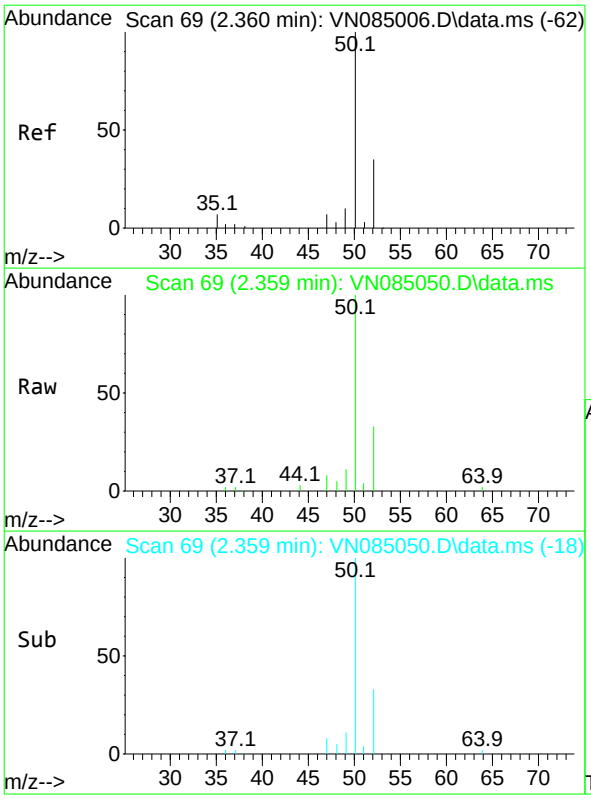


#2
Dichlorodifluoromethane
Concen: 45.208 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 85 Resp: 78431

Ion	Ratio	Lower	Upper
85	100		
87	33.3	15.7	47.1

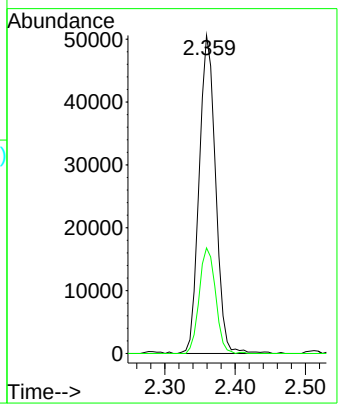




#3
Chloromethane
Concen: 40.798 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 50 Resp: 82094

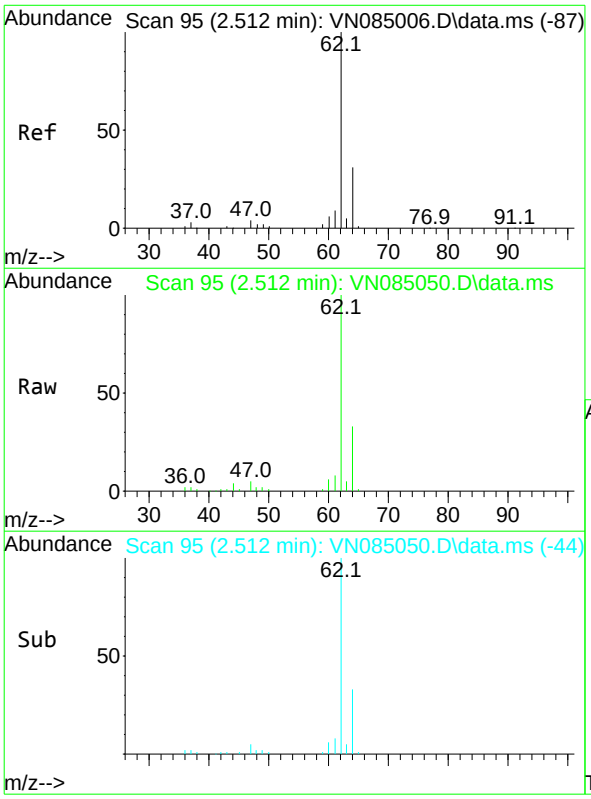
Ion	Ratio	Lower	Upper
50	100		
52	33.2	27.8	41.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

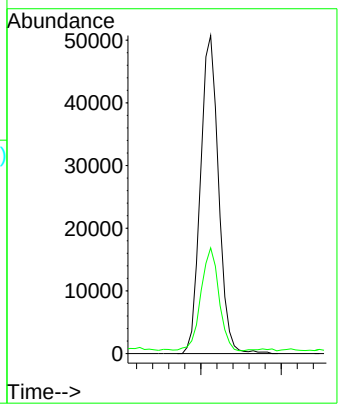
Reviewed By :John Carlone 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

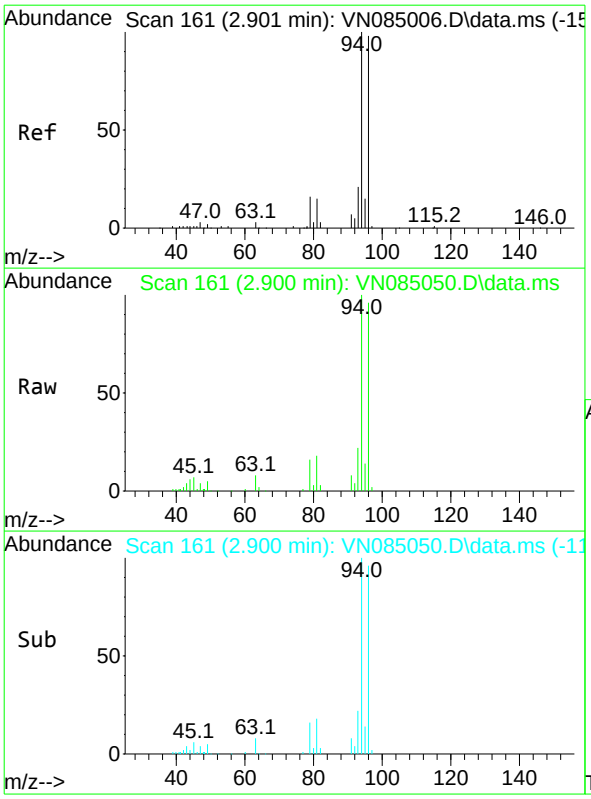


#4
Vinyl Chloride
Concen: 43.898 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 62 Resp: 79381

Ion	Ratio	Lower	Upper
62	100		
64	32.4	24.6	36.8

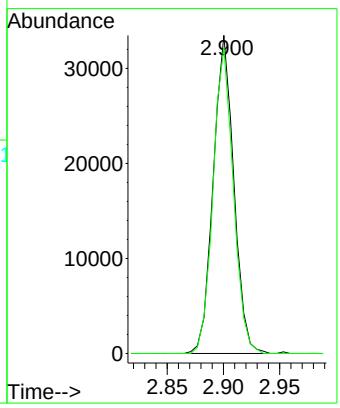




#5
Bromomethane
Concen: 41.935 ug/l
RT: 2.900 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 94 Resp: 42503

Ion	Ratio	Lower	Upper
94	100		
96	96.2	78.7	118.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/27/2024
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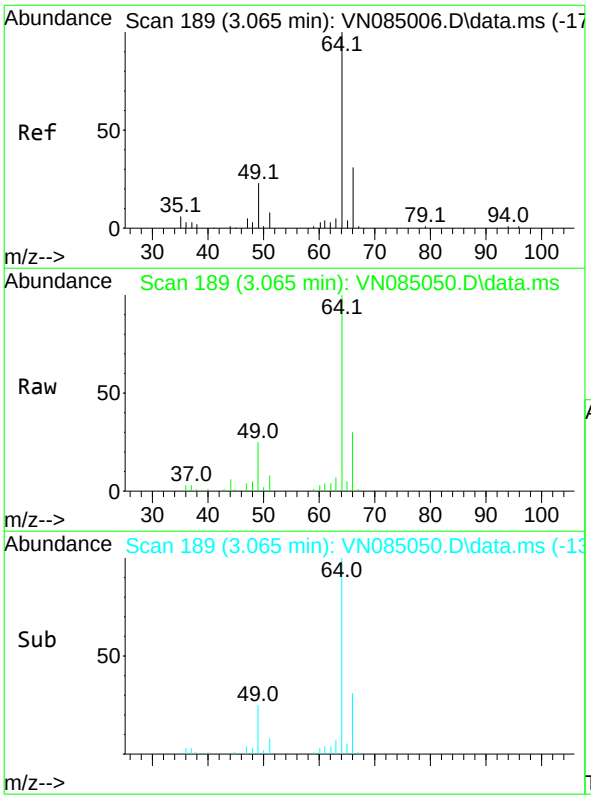
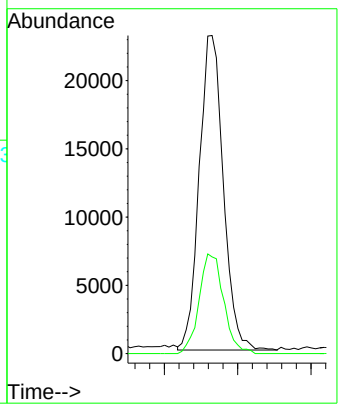
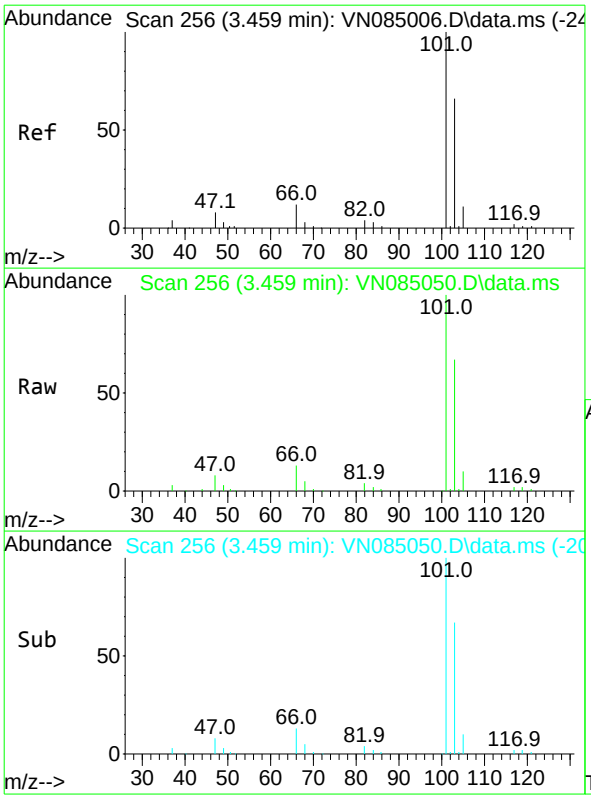


#6
Chloroethane
Concen: 43.141 ug/l
RT: 3.065 min Scan# 189
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 64 Resp: 52583

Ion	Ratio	Lower	Upper
64	100		
66	30.7	24.4	36.6

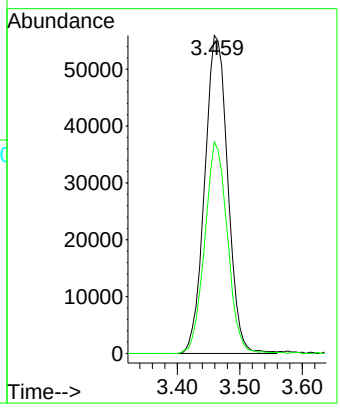




#7
Trichlorofluoromethane
Concen: 46.743 ug/l
RT: 3.459 min Scan# 25
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:101 Resp: 143786

Ion	Ratio	Lower	Upper
101	100		
103	66.5	52.6	78.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 11/27/2024
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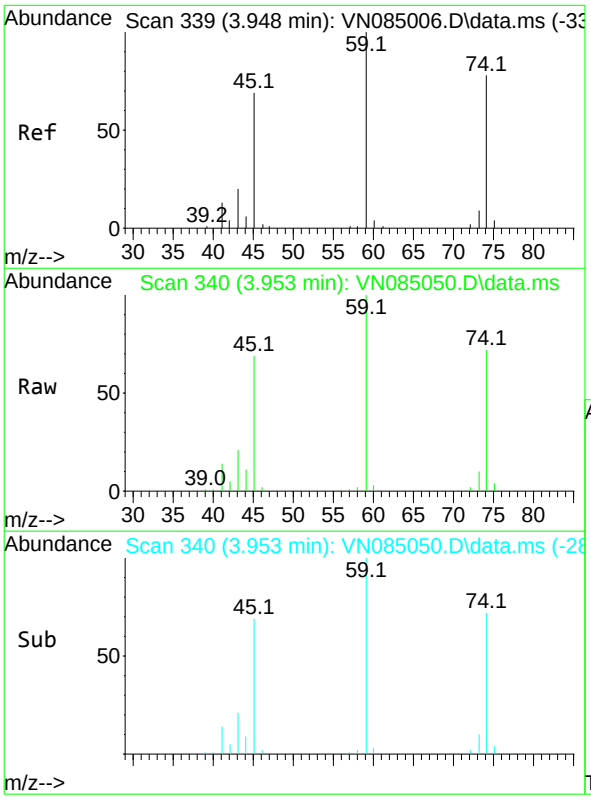
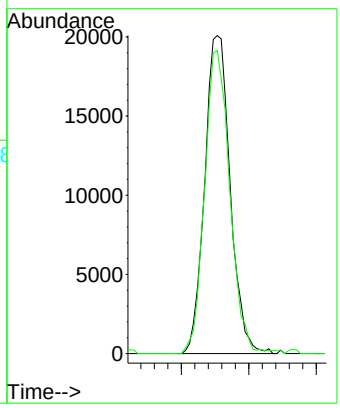
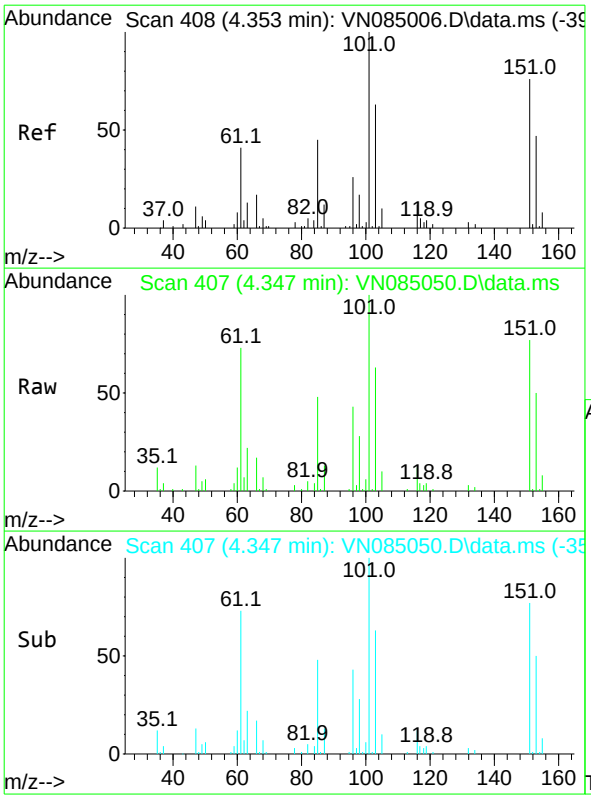


#8
Diethyl Ether
Concen: 50.388 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 74 Resp: 52756

Ion	Ratio	Lower	Upper
74	100		
45	94.1	46.7	140.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.865 ug/l
RT: 4.347 min Scan# 40
Delta R.T. -0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:101 Resp: 81764

Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.9	55.3
151	76.5	60.8	91.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/27/2024
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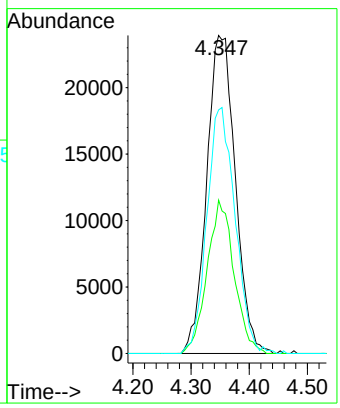
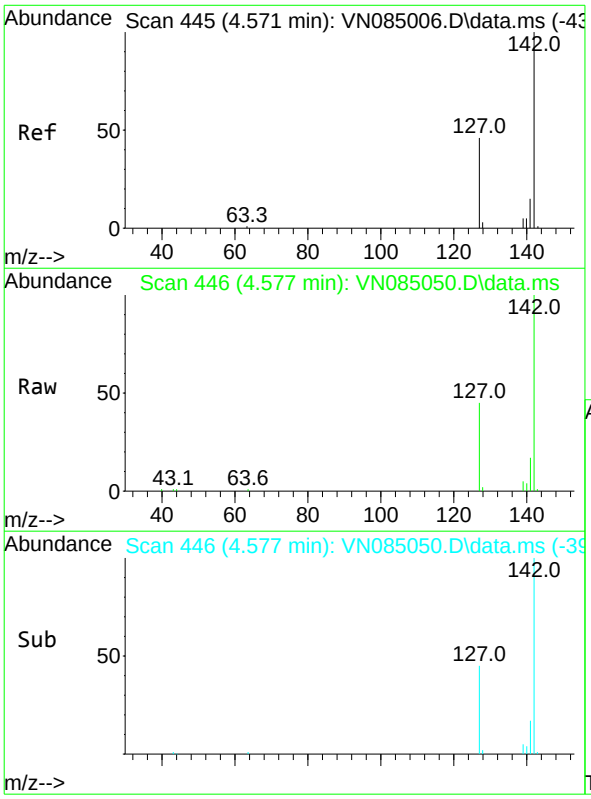
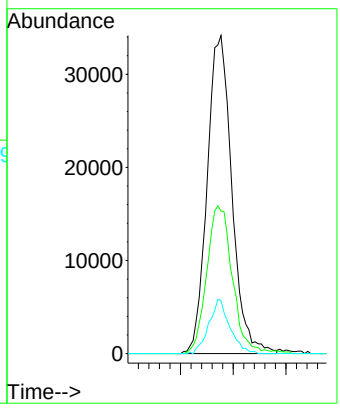


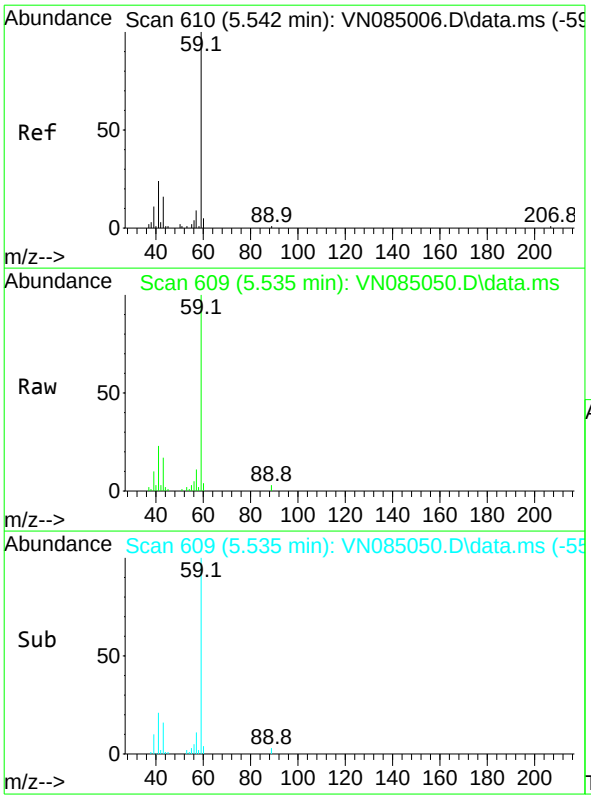


#10
Methyl Iodide
Concen: 48.128 ug/l
RT: 4.577 min Scan# 446
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:142 Resp: 111146

Ion	Ratio	Lower	Upper
142	100		
127	44.8	36.6	54.8
141	16.7	12.2	18.4

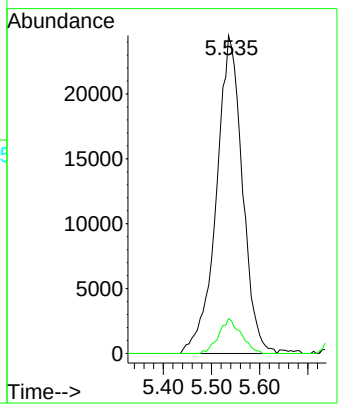




#11
Tert butyl alcohol
Concen: 315.304 ug/l
RT: 5.535 min Scan# 60
Delta R.T. -0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 59 Resp: 92085

Ion	Ratio	Lower	Upper
59	100		
57	9.4	7.4	11.0



Instrument :
MSVOA_N
ClientSampleId :
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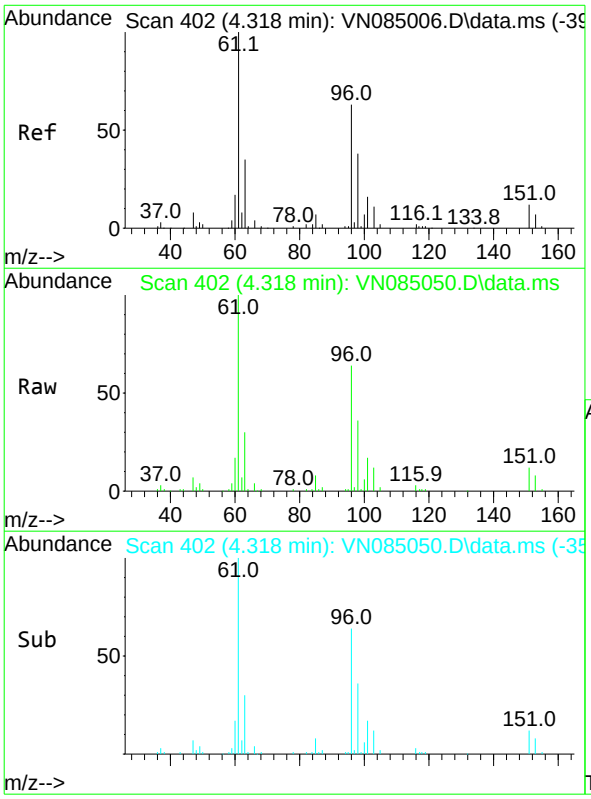
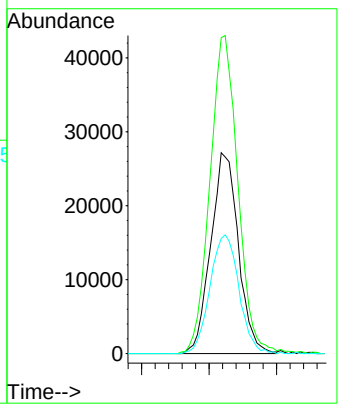
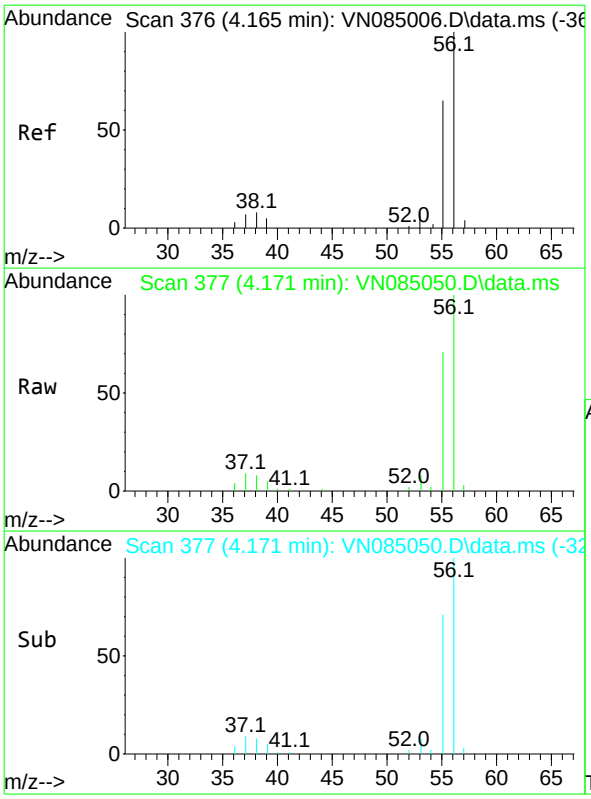


#12
1,1-Dichloroethene
Concen: 47.476 ug/l
RT: 4.318 min Scan# 402
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 96 Resp: 77314

Ion	Ratio	Lower	Upper
96	100		
61	157.3	127.8	191.8
98	57.3	49.2	73.8

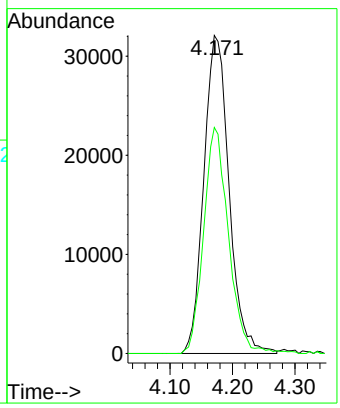




#13
Acrolein
Concen: 462.414 ug/l
RT: 4.171 min Scan# 37
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 56 Resp: 90114

Ion	Ratio	Lower	Upper
56	100		
55	70.2	54.5	81.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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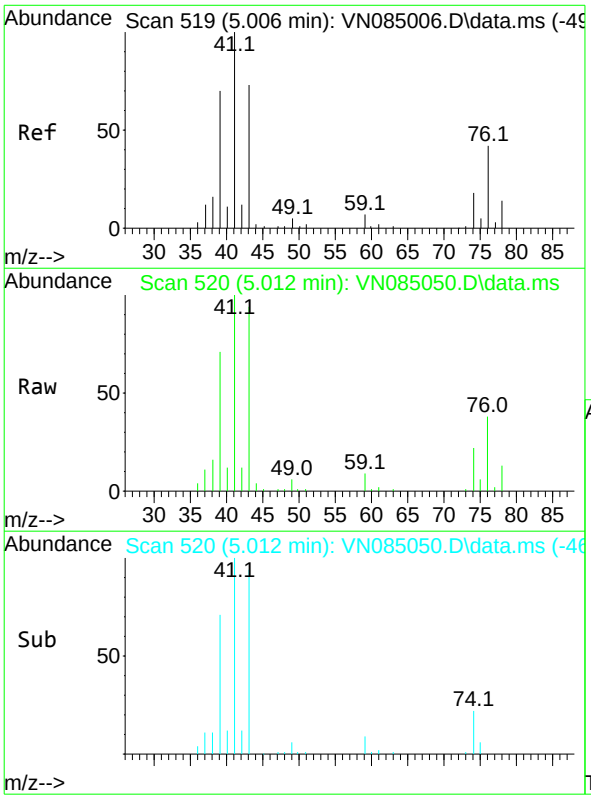
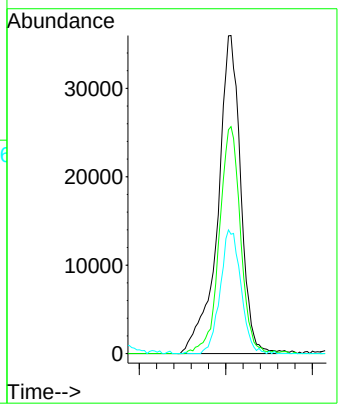
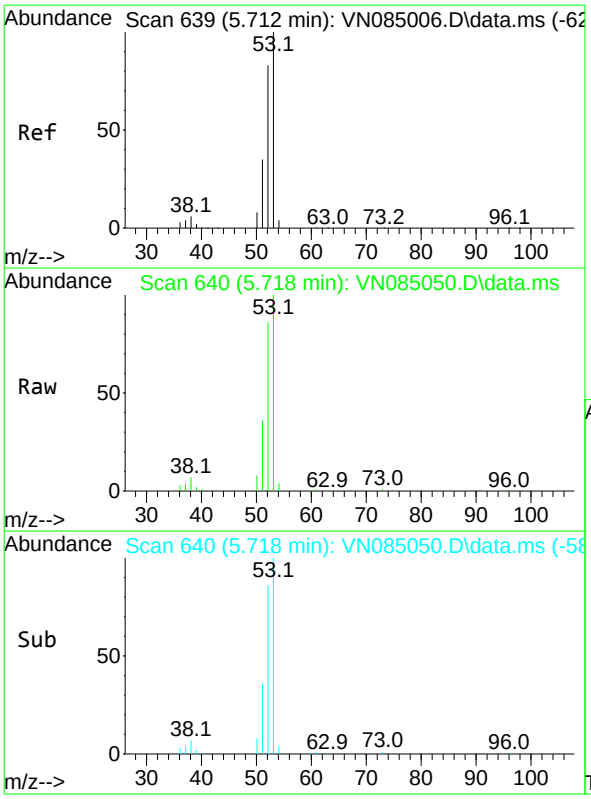


#14
Allyl chloride
Concen: 48.111 ug/l
RT: 5.012 min Scan# 520
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 41 Resp: 132081

Ion	Ratio	Lower	Upper
41	100		
39	66.0	53.8	80.8
76	34.9	29.3	43.9

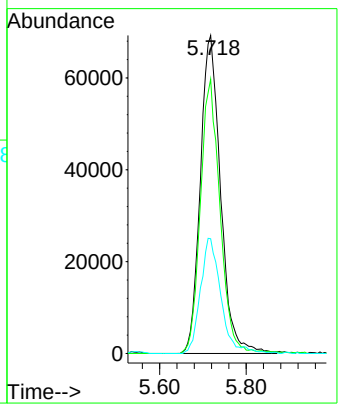




#15
Acrylonitrile
Concen: 271.892 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 53 Resp: 224812

Ion	Ratio	Lower	Upper
53	100		
52	83.1	65.5	98.3
51	36.7	28.4	42.6



Instrument :
MSVOA_N
ClientSampleId :
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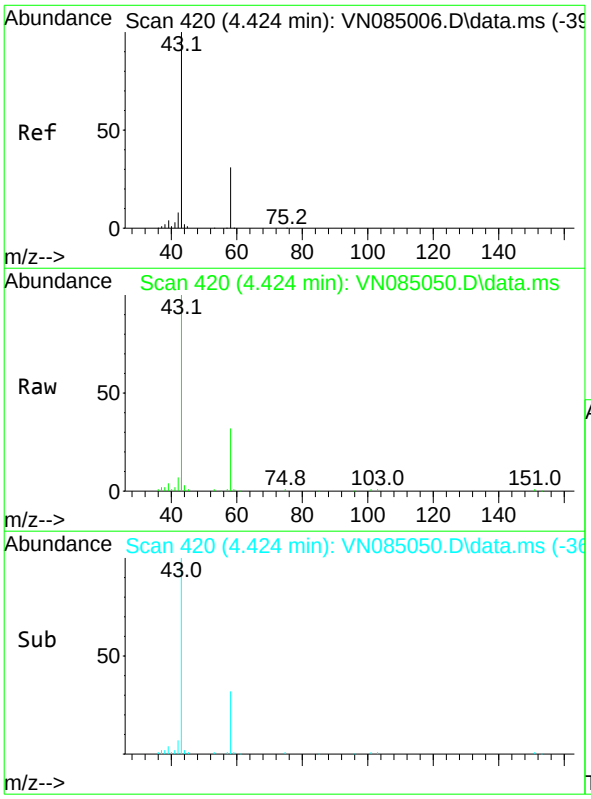
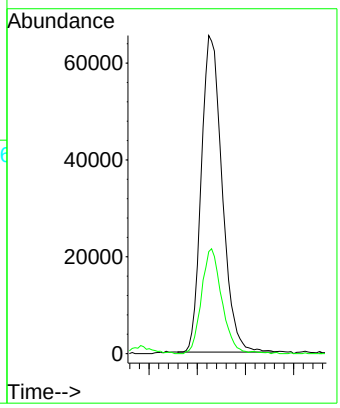
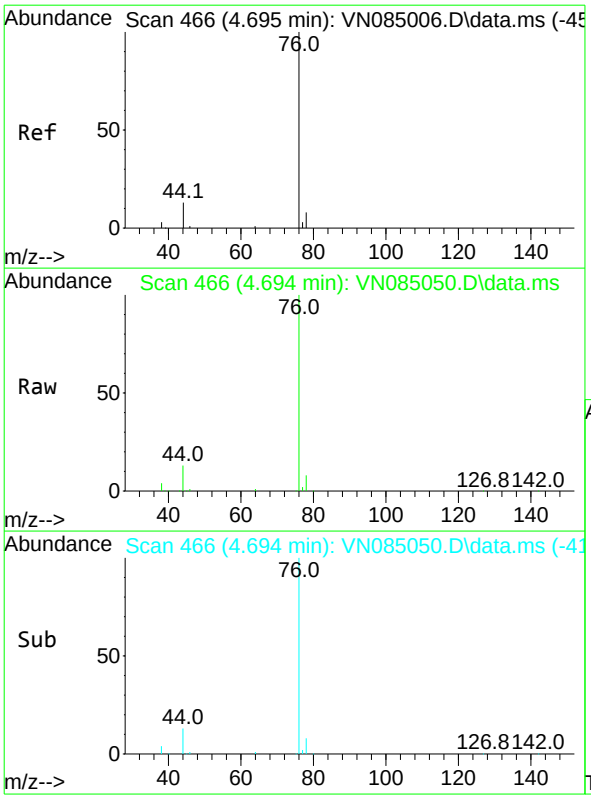


#16
Acetone
Concen: 308.090 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 43 Resp: 196100

Ion	Ratio	Lower	Upper
43	100		
58	32.2	25.4	38.2

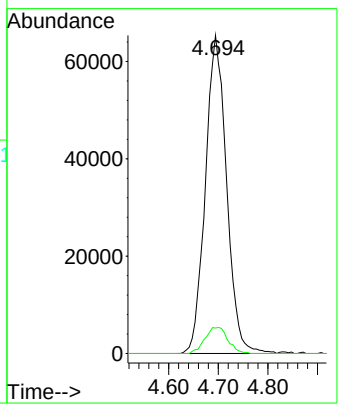




#17
Carbon Disulfide
Concen: 40.363 ug/l
RT: 4.694 min Scan# 46
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 76 Resp: 194013

Ion	Ratio	Lower	Upper
76	100		
78	8.0	6.5	9.7



Instrument :
MSVOA_N
ClientSampleId :
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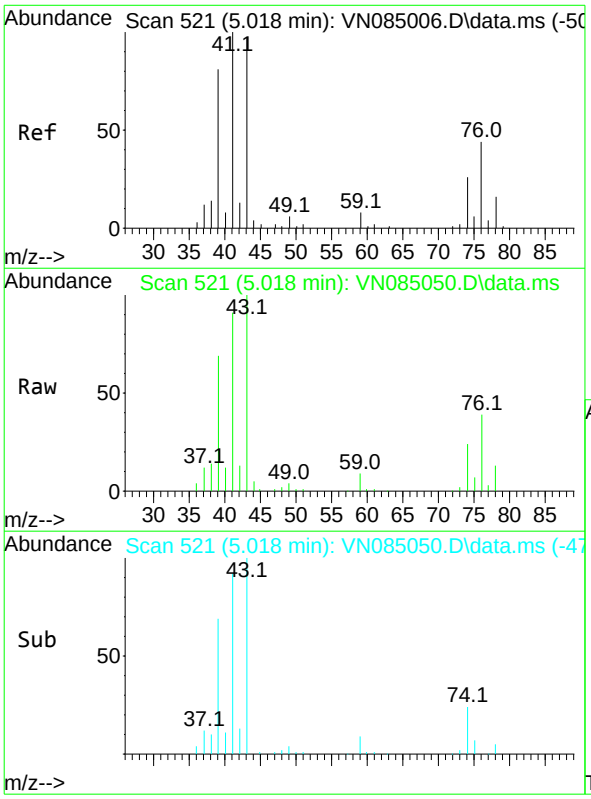
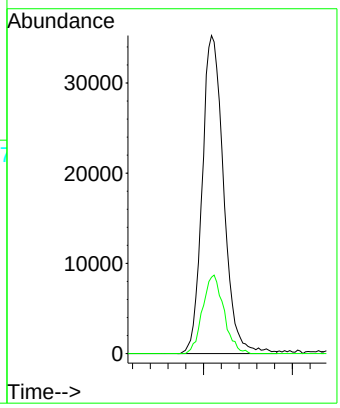
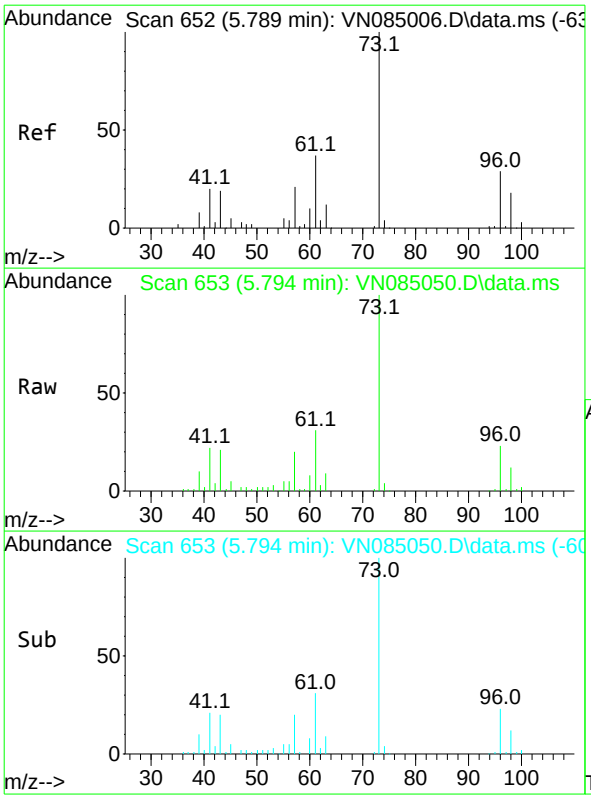


#18
Methyl Acetate
Concen: 58.248 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 43 Resp: 118116

Ion	Ratio	Lower	Upper
43	100		
74	24.5	20.1	30.1

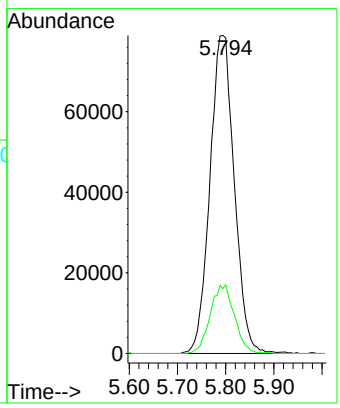




#19
Methyl tert-butyl Ether
Concen: 51.977 ug/l
RT: 5.794 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 73 Resp: 276560

Ion	Ratio	Lower	Upper
73	100		
57	20.4	17.0	25.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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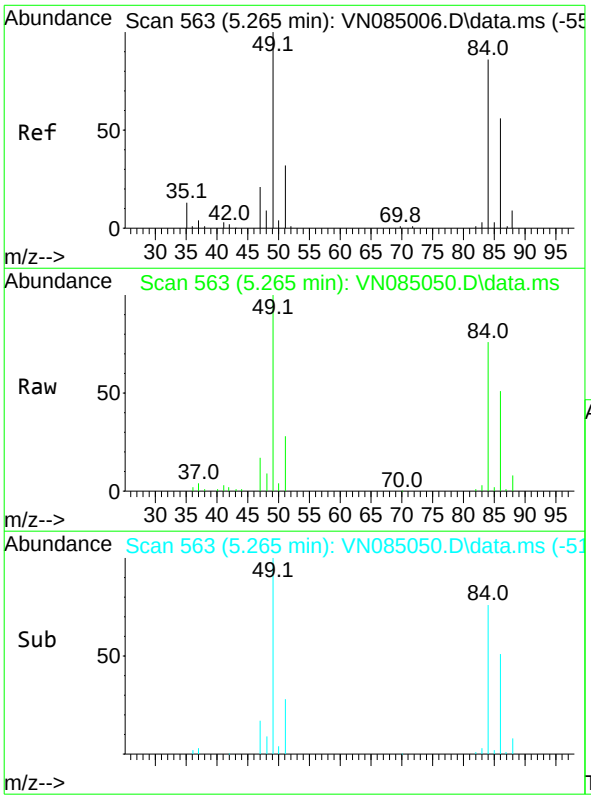
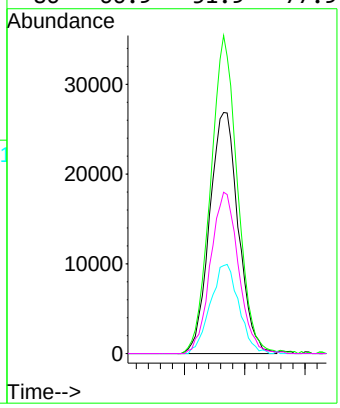
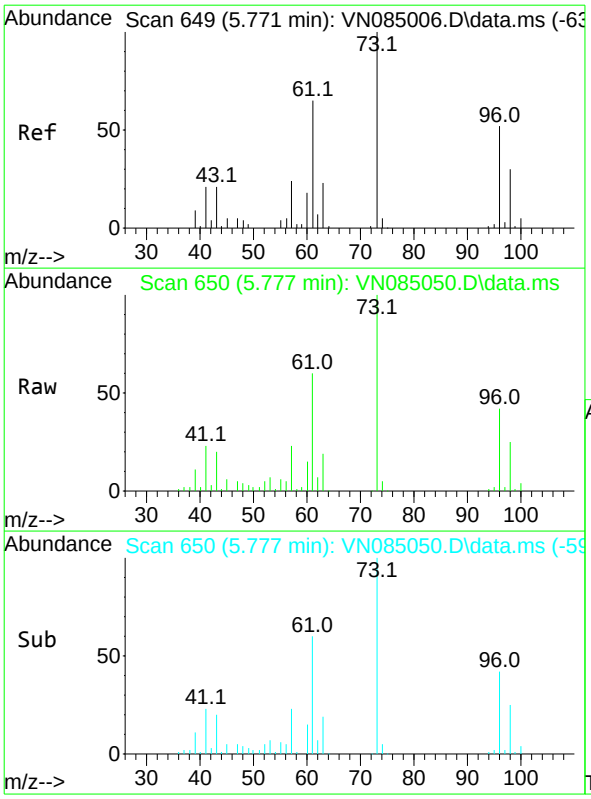


#20
Methylene Chloride
Concen: 45.850 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 84 Resp: 89054

Ion	Ratio	Lower	Upper
84	100		
49	131.9	92.7	139.1
51	36.5	29.4	44.2
86	66.9	51.9	77.9

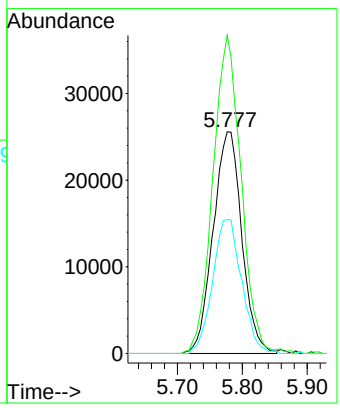




#21
trans-1,2-Dichloroethene
Concen: 45.797 ug/l
RT: 5.777 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 96 Resp: 78484

Ion	Ratio	Lower	Upper
96	100		
61	143.5	100.7	151.1
98	60.4	45.8	68.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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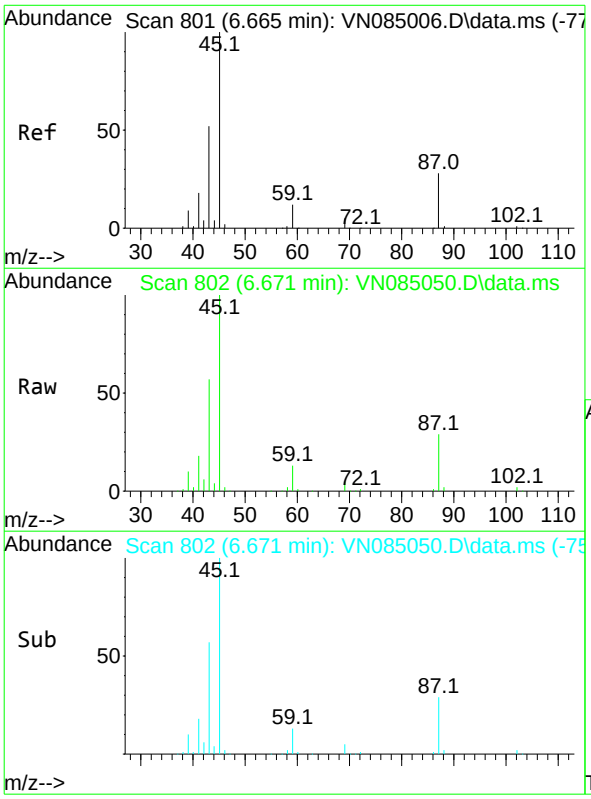
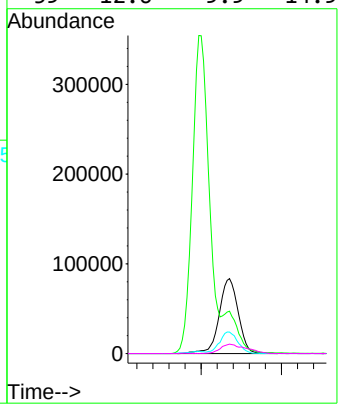
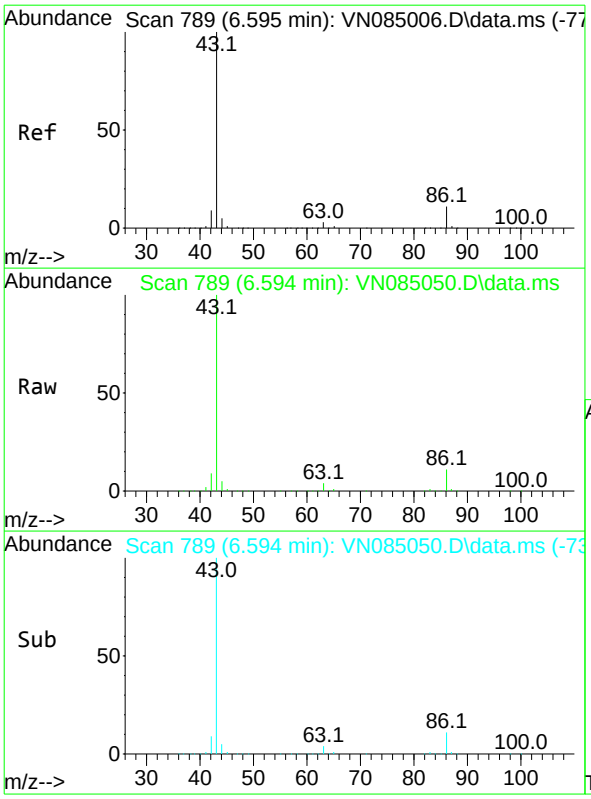


#22
Diisopropyl ether
Concen: 49.831 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 45 Resp: 275336

Ion	Ratio	Lower	Upper
45	100		
43	55.6	42.7	64.1
87	28.7	22.6	34.0
59	12.6	9.9	14.9

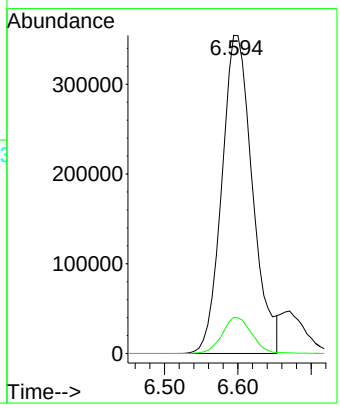




#23
Vinyl Acetate
Concen: 270.220 ug/l
RT: 6.594 min Scan# 78
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 43 Resp: 1030035

Ion	Ratio	Lower	Upper
43	100		
86	11.3	8.9	13.3



Instrument :
MSVOA_N
ClientSampleId :
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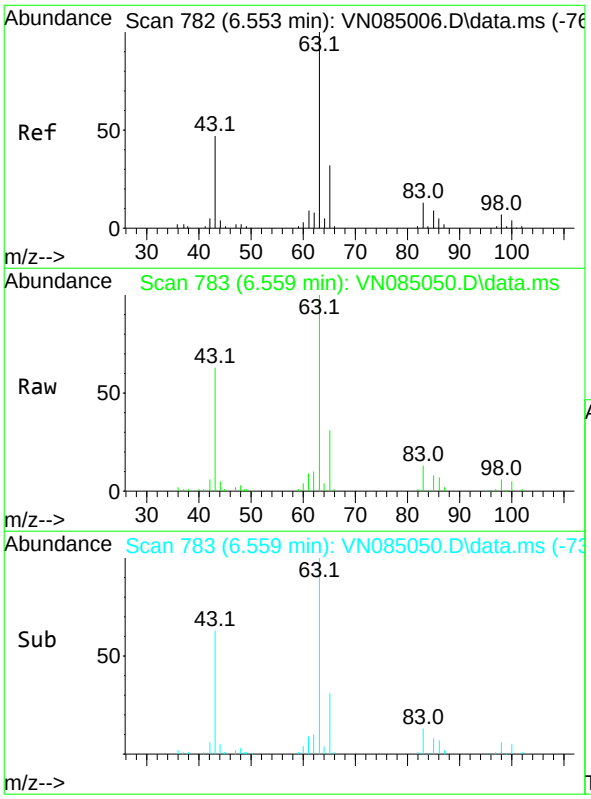
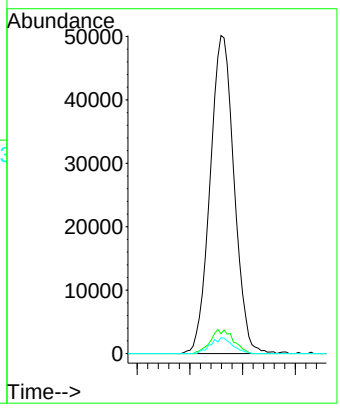
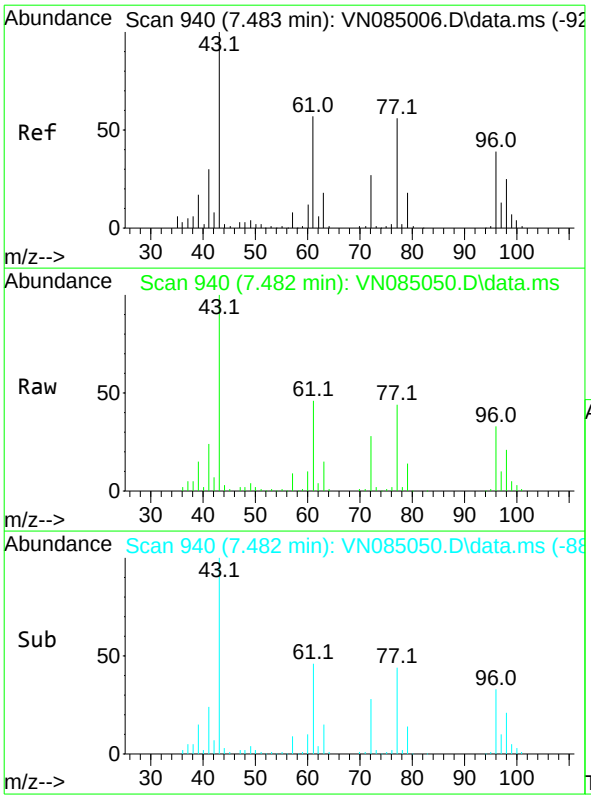


#24
1,1-Dichloroethane
Concen: 48.028 ug/l
RT: 6.559 min Scan# 783
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 63 Resp: 158805

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.3	9.8
100	5.0	2.2	6.6

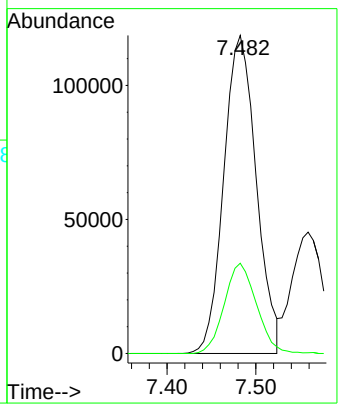




#25
2-Butanone
Concen: 290.407 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 43 Resp: 302206

Ion	Ratio	Lower	Upper
43	100		
72	28.4	21.4	32.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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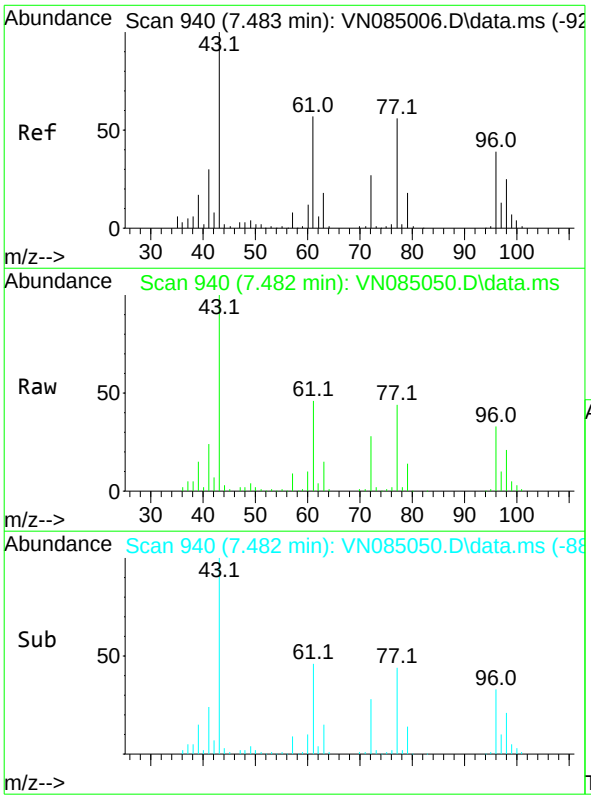
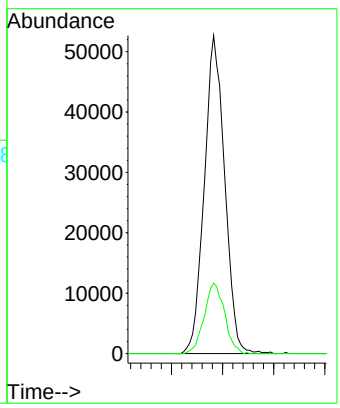
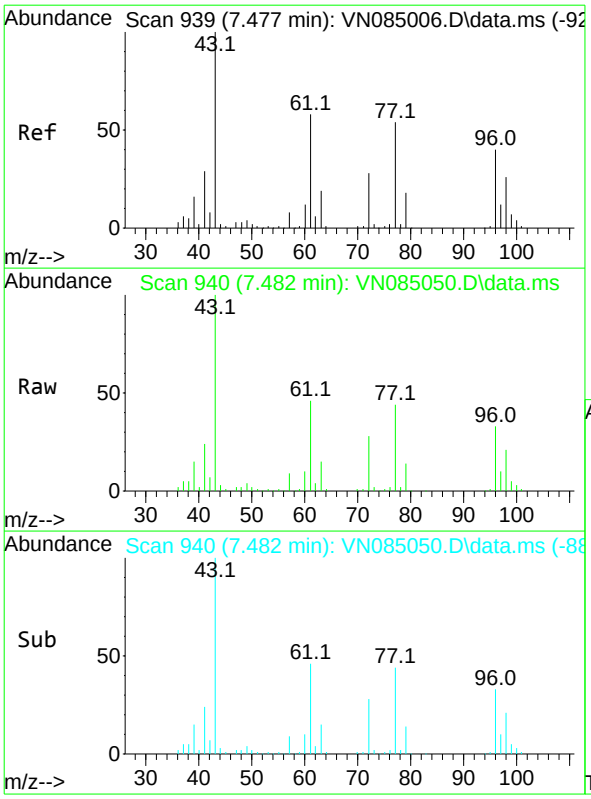


#26
2,2-Dichloropropane
Concen: 47.240 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 77 Resp: 145854

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.9	32.7

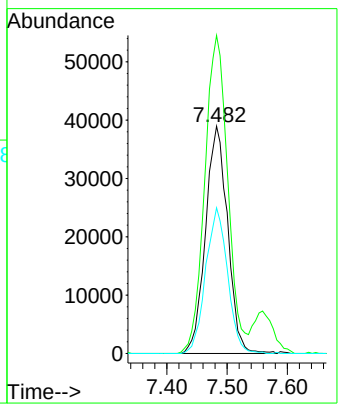




#27
cis-1,2-Dichloroethene
Concen: 48.079 ug/l
RT: 7.482 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 96 Resp: 99330

Ion	Ratio	Lower	Upper
96	100		
61	145.9	0.0	291.6
98	63.5	0.0	129.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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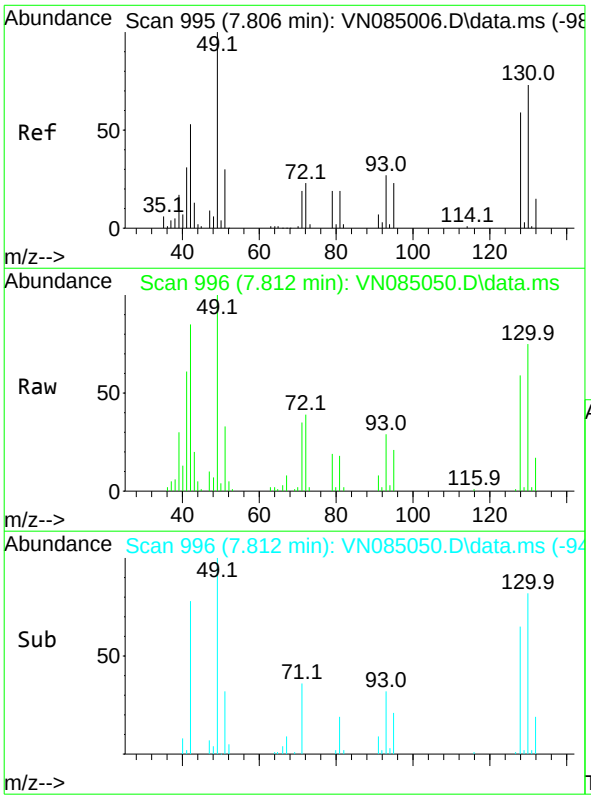
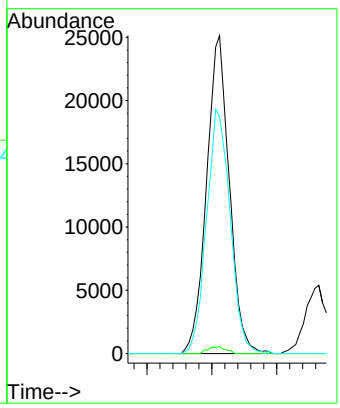
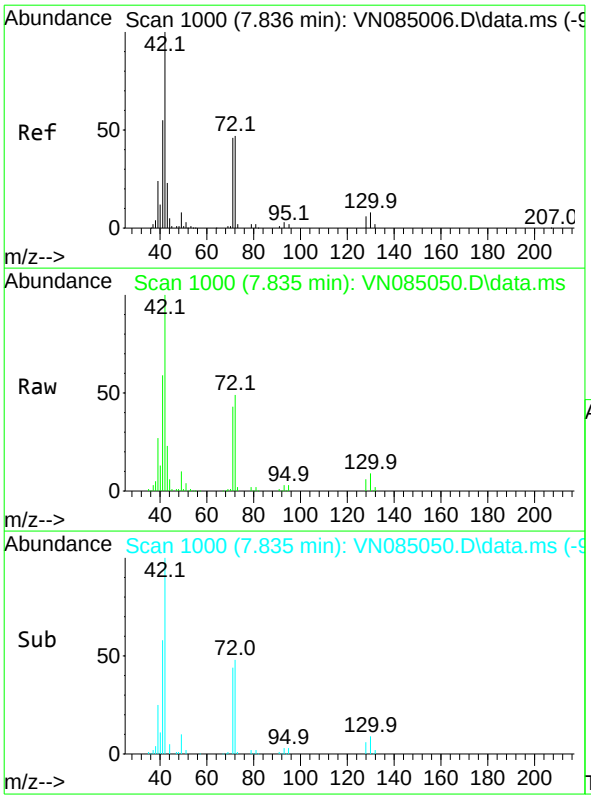


#28
Bromochloromethane
Concen: 49.035 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 49 Resp: 61203

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.0
130	79.6	60.6	90.8

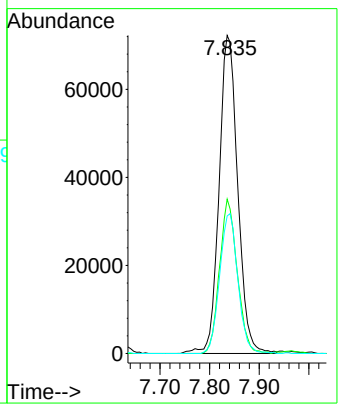




#29
Tetrahydrofuran
Concen: 291.291 ug/l
RT: 7.835 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 42 Resp: 188504

Ion	Ratio	Lower	Upper
42	100		
72	46.0	37.0	55.4
71	43.0	35.0	52.4



Instrument :
MSVOA_N
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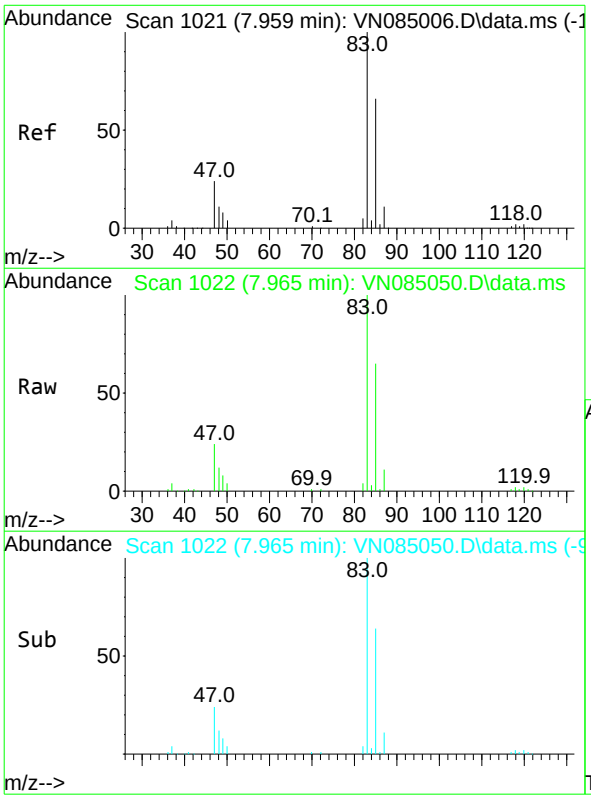
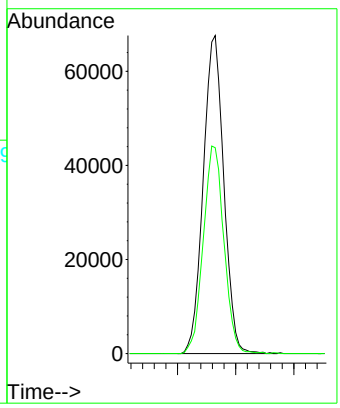
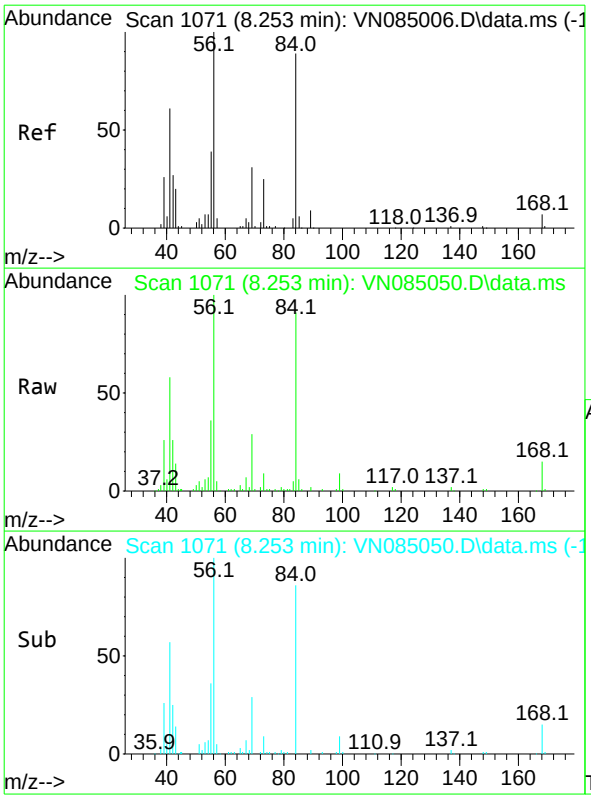


#30
Chloroform
Concen: 47.208 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 83 Resp: 166044

Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.6	78.8

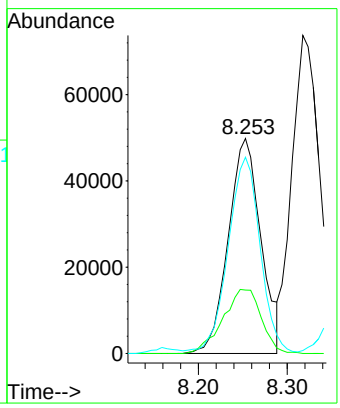




#31
Cyclohexane
Concen: 43.698 ug/l
RT: 8.253 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 56 Resp: 127216

Ion	Ratio	Lower	Upper
56	100		
69	29.5	24.6	36.8
84	89.6	71.4	107.2



Instrument :
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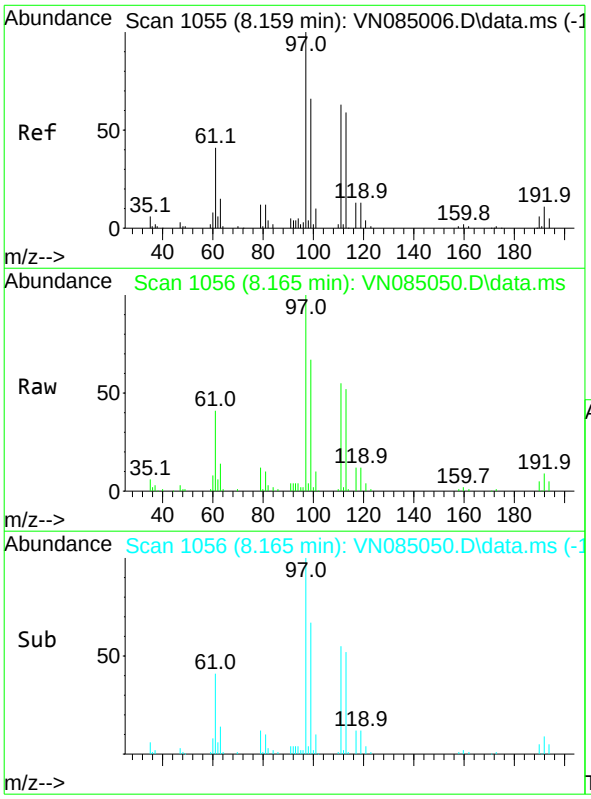
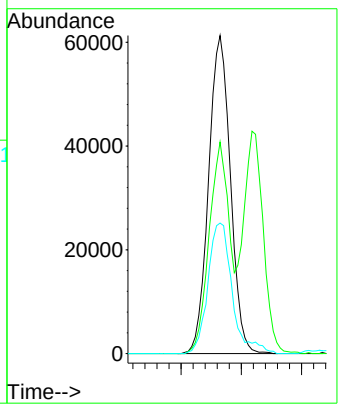
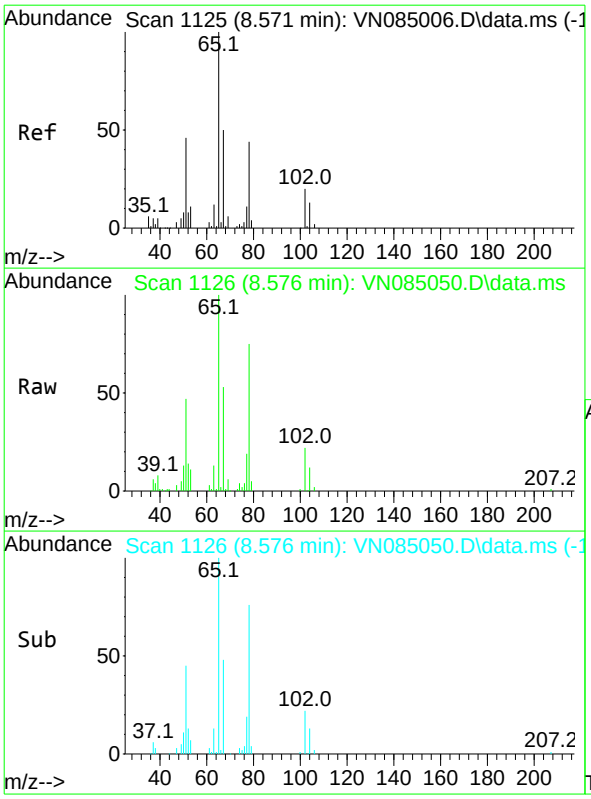


#32
1,1,1-Trichloroethane
Concen: 48.507 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 97 Resp: 154174

Ion	Ratio	Lower	Upper
97	100		
99	61.4	51.0	76.4
61	45.5	36.2	54.2

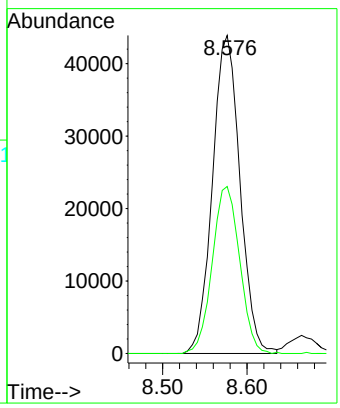




#33
1,2-Dichloroethane-d4
Concen: 45.484 ug/l
RT: 8.576 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 65 Resp: 99406

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	105.0



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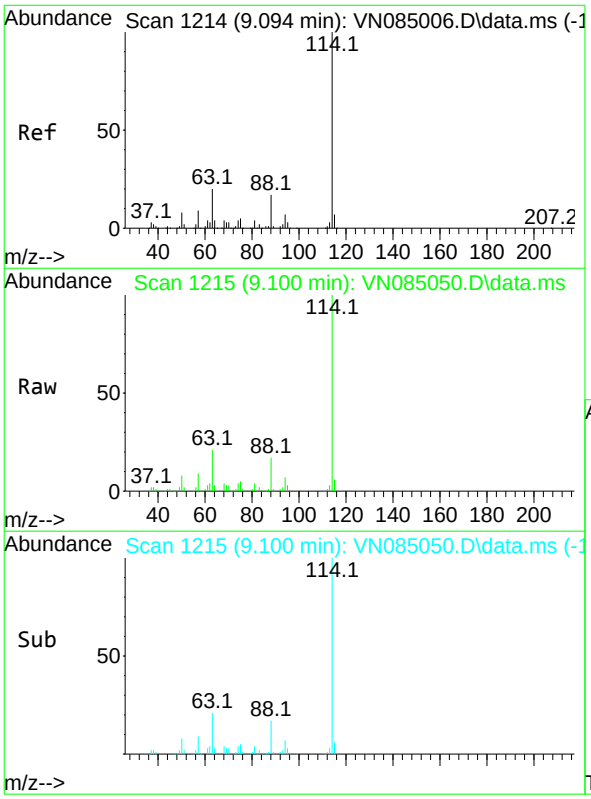
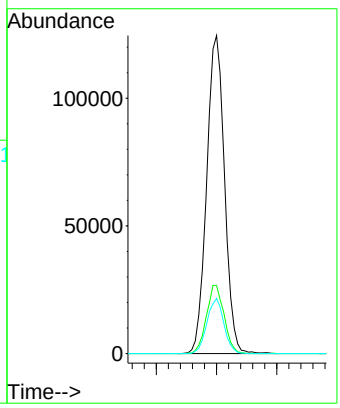
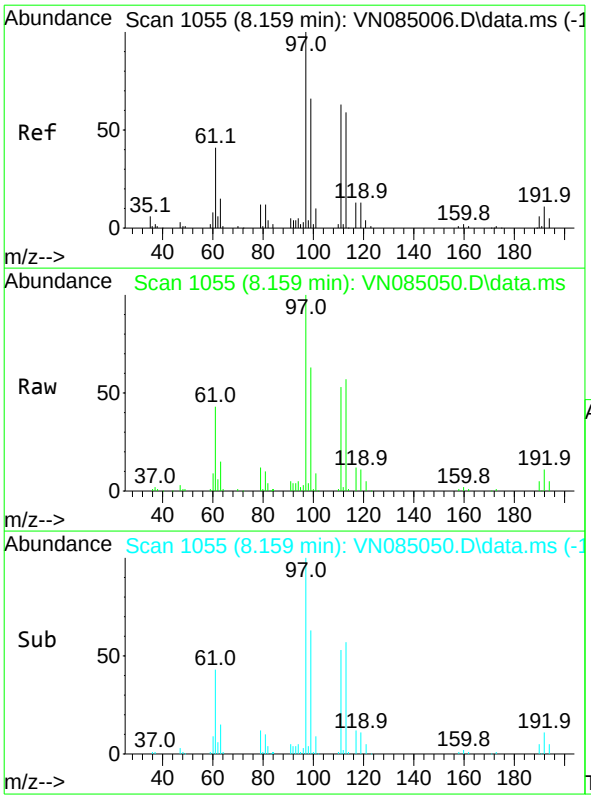


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:114 Resp: 256451

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	41.0
88	17.3	0.0	34.8

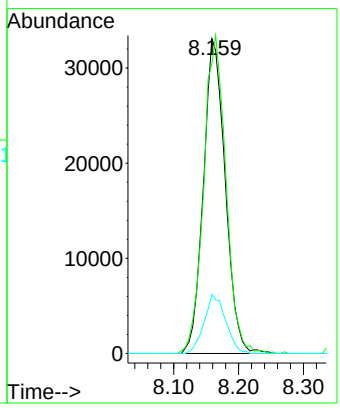




#35
Dibromofluoromethane
Concen: 44.766 ug/l
RT: 8.159 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:113 Resp: 77420

Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.0	123.0
192	18.5	14.8	22.2



Instrument :
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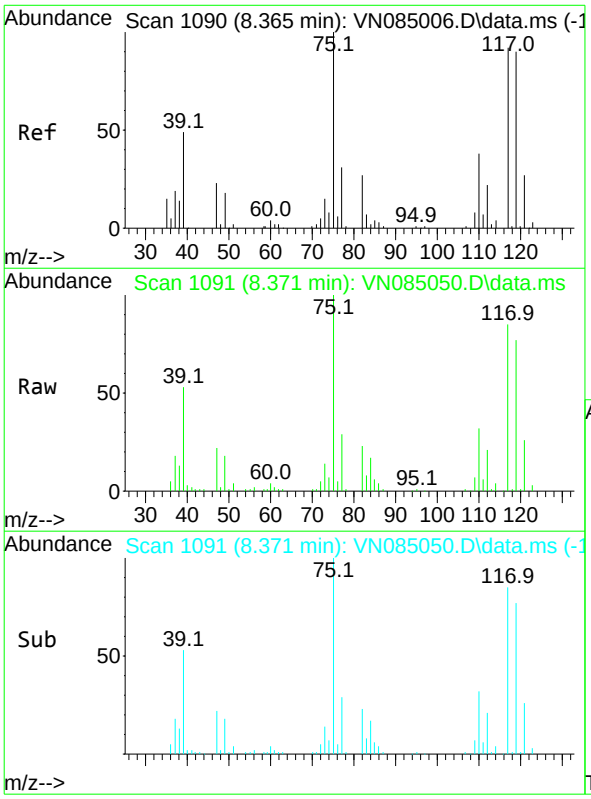
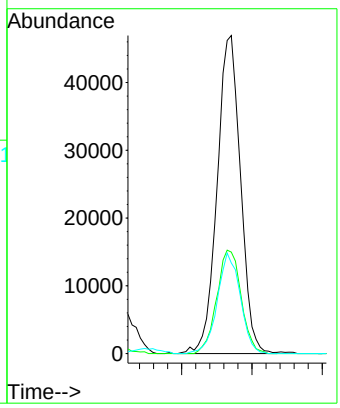
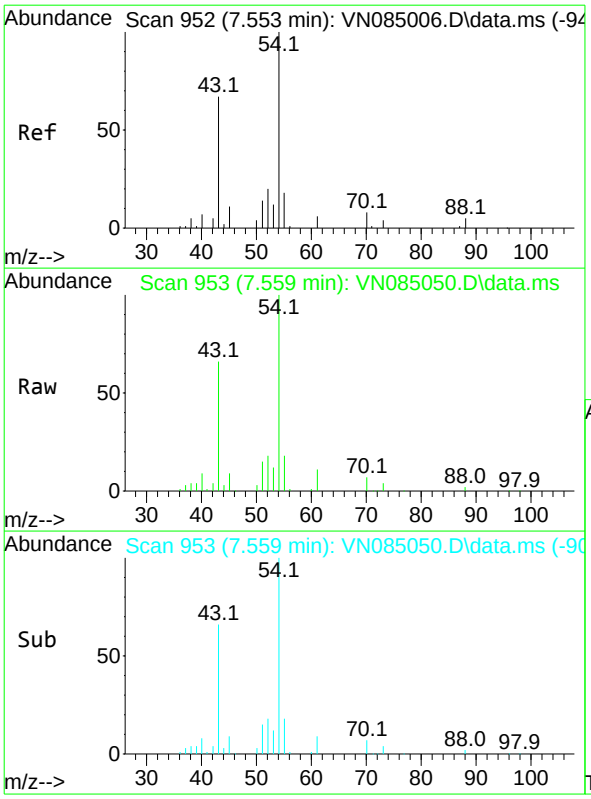


#36
1,1-Dichloropropene
Concen: 46.366 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 75 Resp: 108611

Ion	Ratio	Lower	Upper
75	100		
110	33.8	17.2	51.6
77	31.0	24.2	36.4





#37
Ethyl Acetate
Concen: 54.646 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 43 Resp: 116373

Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.7	17.5
70	10.6	9.3	13.9

Instrument :
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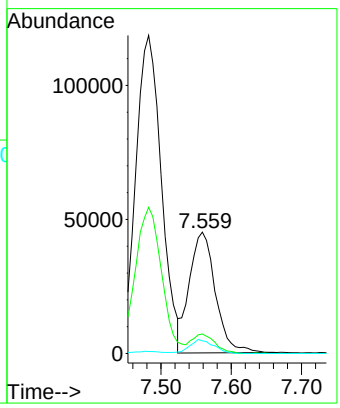
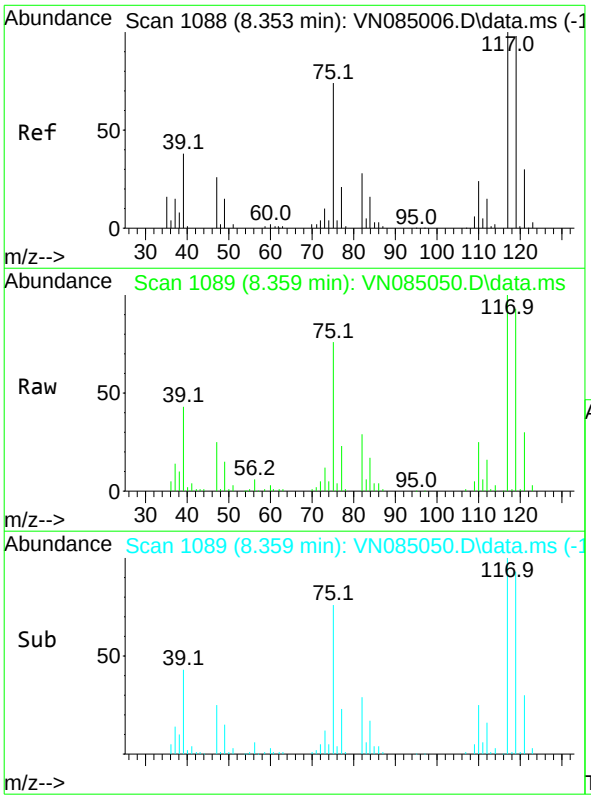
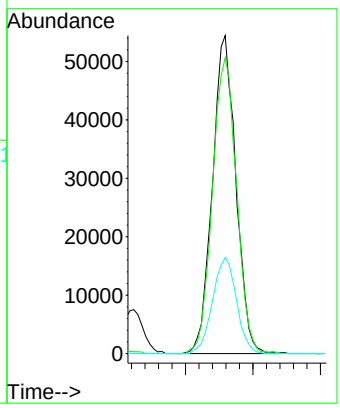


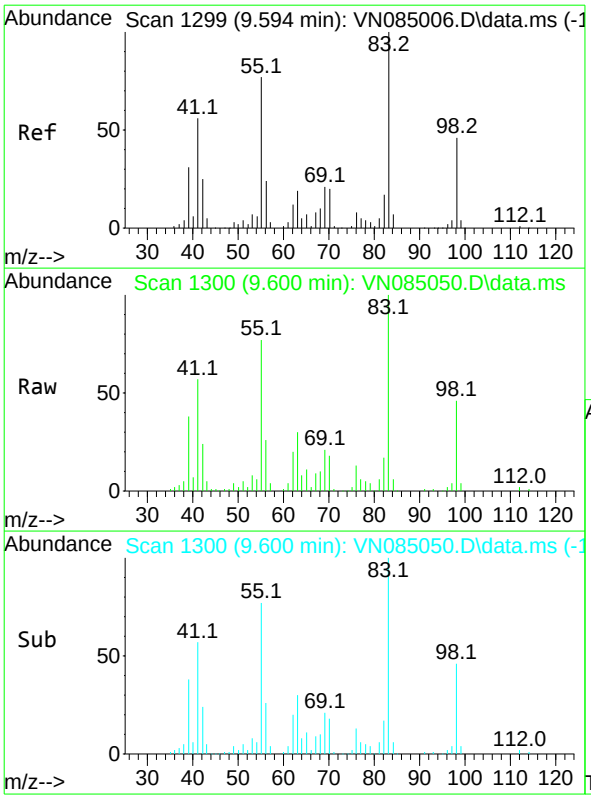


#38
Carbon Tetrachloride
Concen: 48.571 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:117 Resp: 131332

Ion	Ratio	Lower	Upper
117	100		
119	93.0	78.6	117.8
121	30.2	24.2	36.2

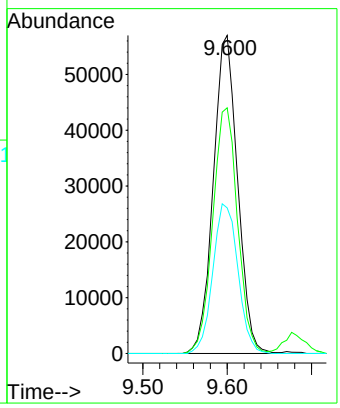




#39
Methylcyclohexane
Concen: 46.916 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 83 Resp: 114201

Ion	Ratio	Lower	Upper
83	100		
55	77.2	61.8	92.6
98	45.8	37.0	55.6



Instrument :
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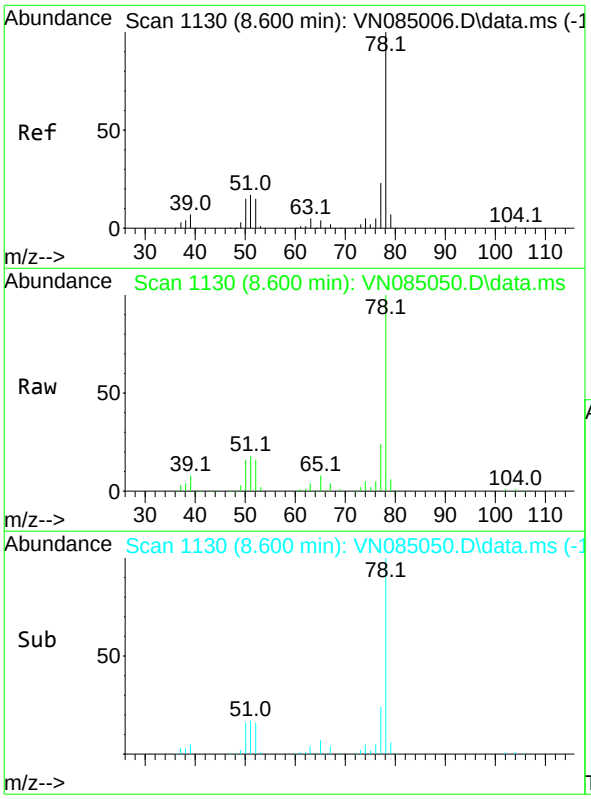
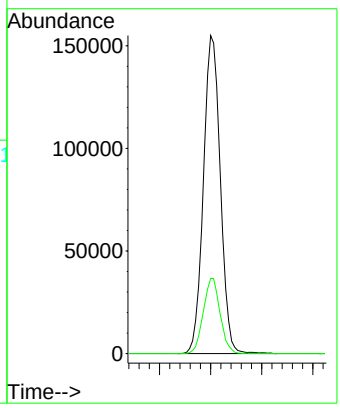
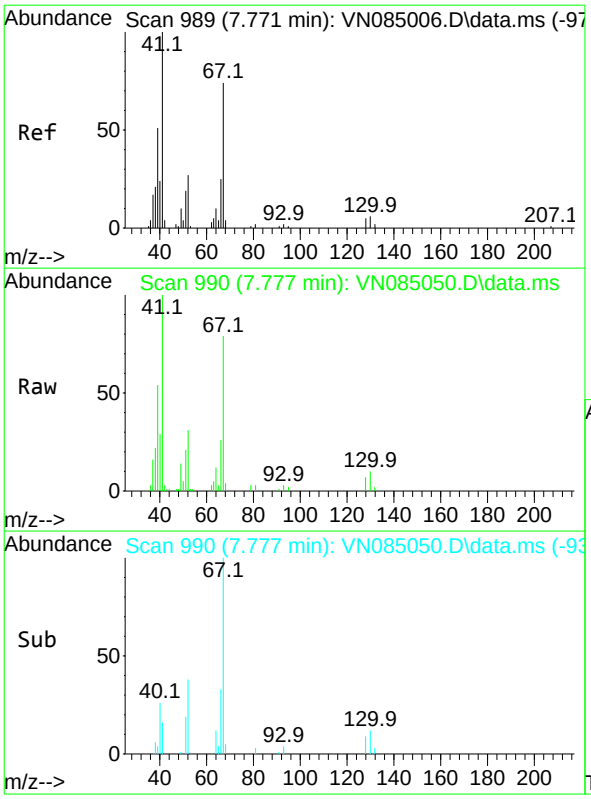


#40
Benzene
Concen: 48.130 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 78 Resp: 356588

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.5	27.7

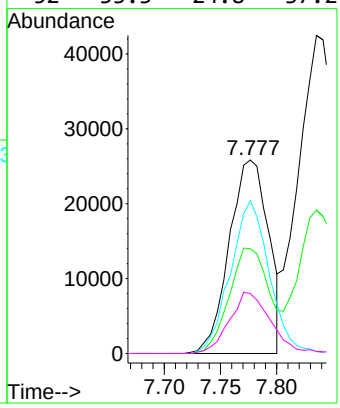




#41
Methacrylonitrile
Concen: 53.226 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 41 Resp: 62758

Ion	Ratio	Lower	Upper
41	100		
39	57.2	42.6	63.8
67	78.4	59.9	89.9
52	33.3	24.8	37.2



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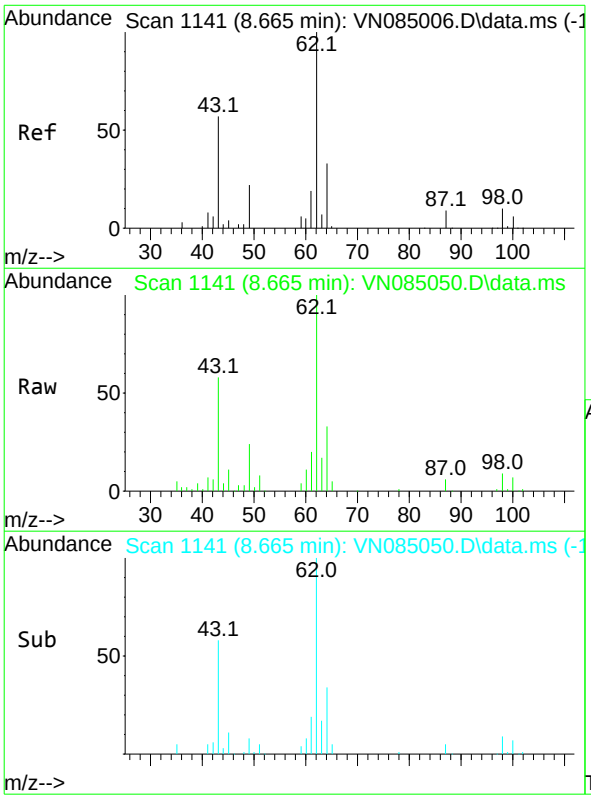
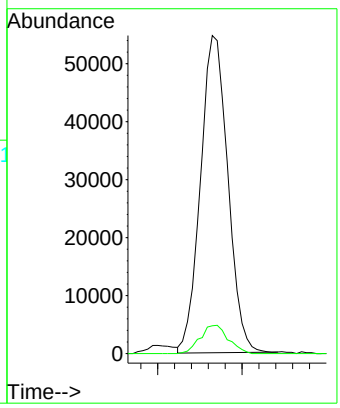
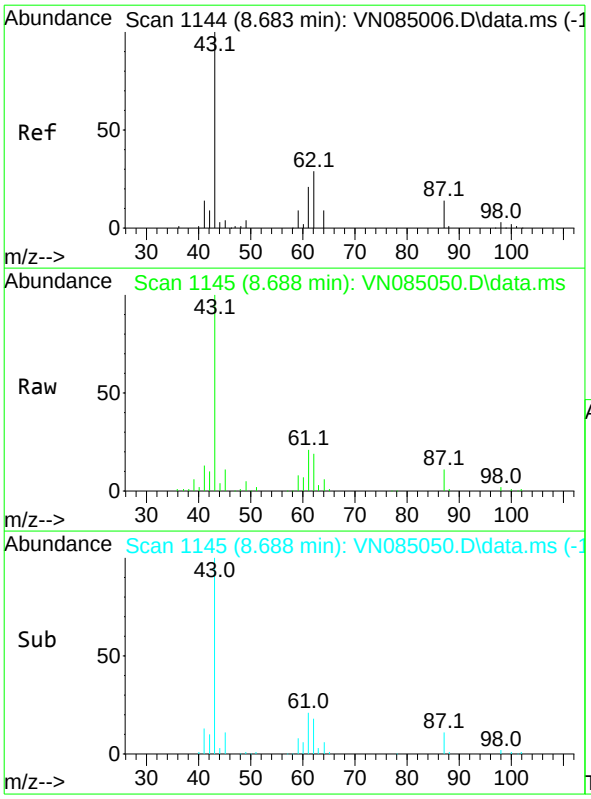


#42
1,2-Dichloroethane
Concen: 48.696 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 62 Resp: 123426

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2





#43
Isopropyl Acetate
Concen: 62.355 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 43 Resp: 275827

Ion	Ratio	Lower	Upper
43	100		
61	19.8	20.6	30.8#
87	10.1	11.0	16.4#

Instrument :
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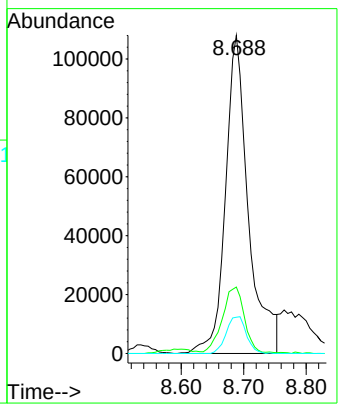
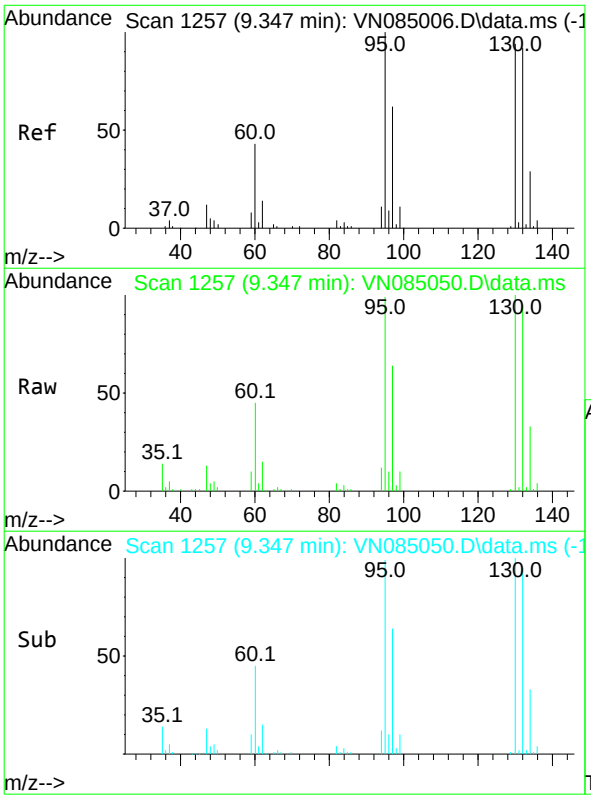
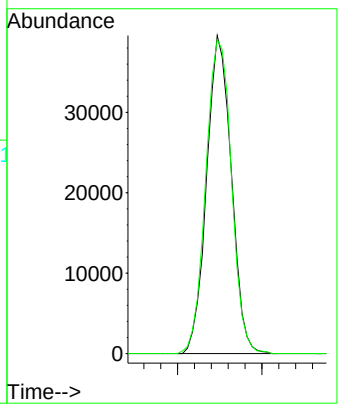


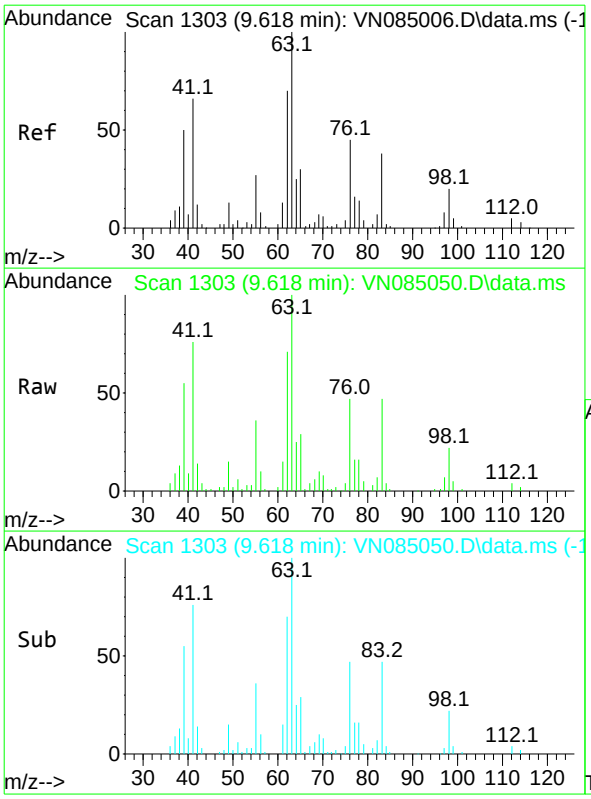


#44
Trichloroethene
Concen: 46.688 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:130 Resp: 80386

Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	213.4

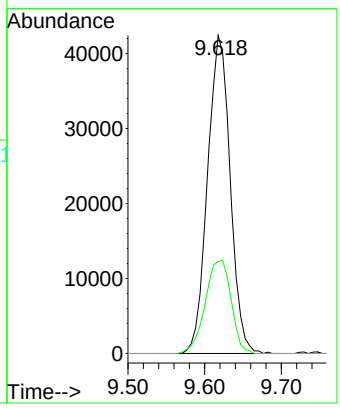




#45
1,2-Dichloropropane
Concen: 47.681 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 63 Resp: 87009

Ion	Ratio	Lower	Upper
63	100		
65	28.9	24.0	36.0



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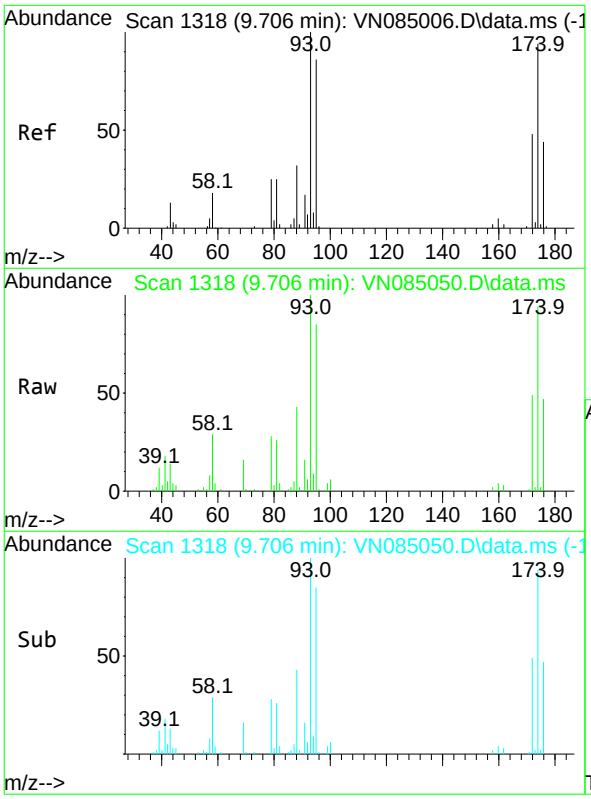
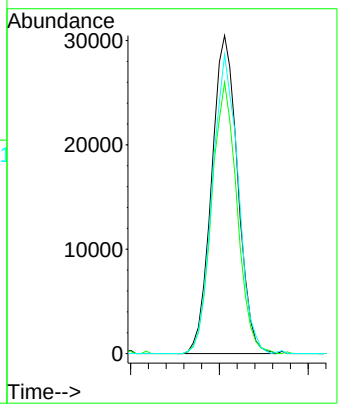
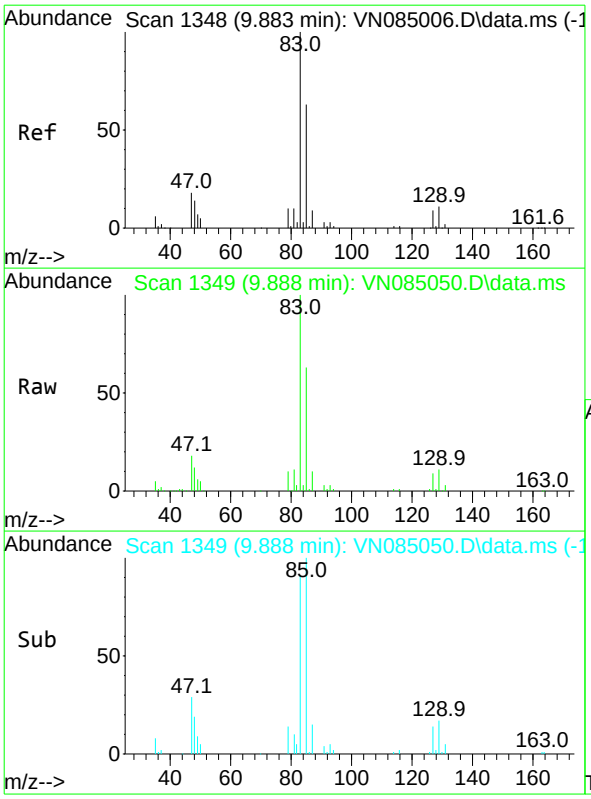


#46
Dibromomethane
Concen: 49.056 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 93 Resp: 62202

Ion	Ratio	Lower	Upper
93	100		
95	82.6	66.2	99.4
174	93.1	74.9	112.3

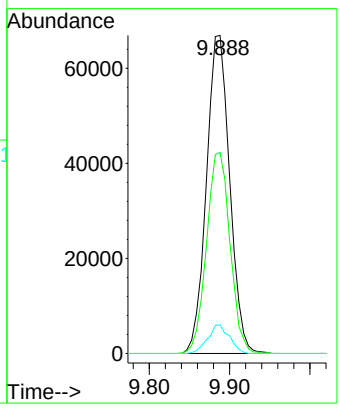




#47
Bromodichloromethane
Concen: 50.146 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 83 Resp: 134764

Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.5	75.7
127	9.0	7.1	10.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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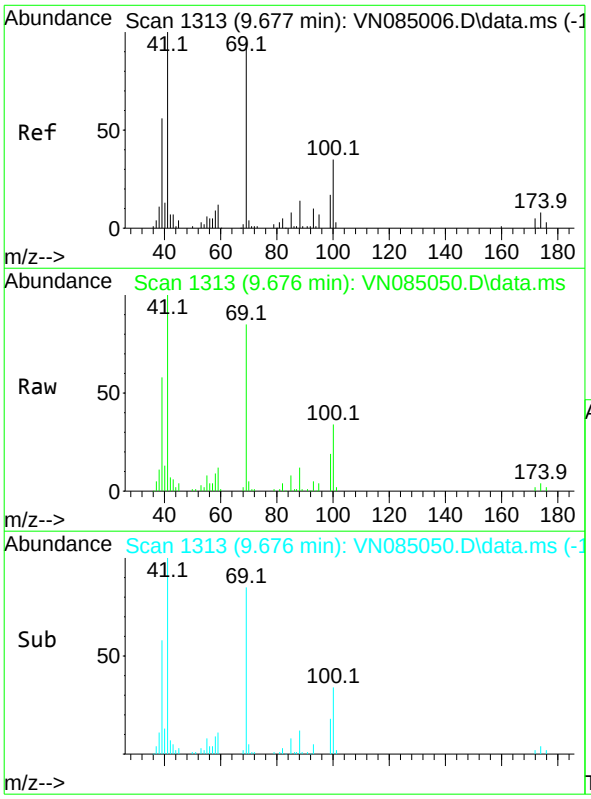
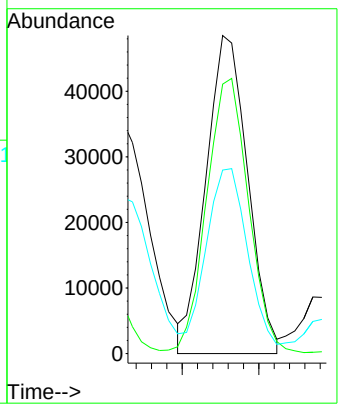
Supervised By :Mahesh Dadoda 11/27/2024

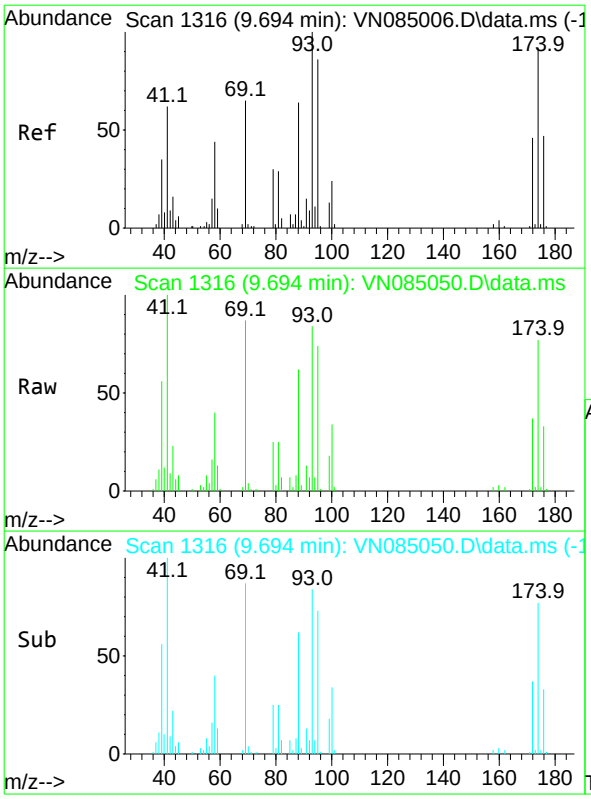


#48
Methyl methacrylate
Concen: 55.737 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 41 Resp: 91748

Ion	Ratio	Lower	Upper
41	100		
69	87.3	73.2	109.8
39	59.6	46.2	69.4

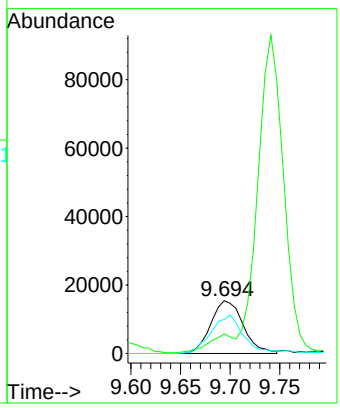




#49
1,4-Dioxane
Concen: 1228.790 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 88 Resp: 35077

Ion	Ratio	Lower	Upper
88	100		
43	28.3	16.7	25.1#
58	75.8	56.5	84.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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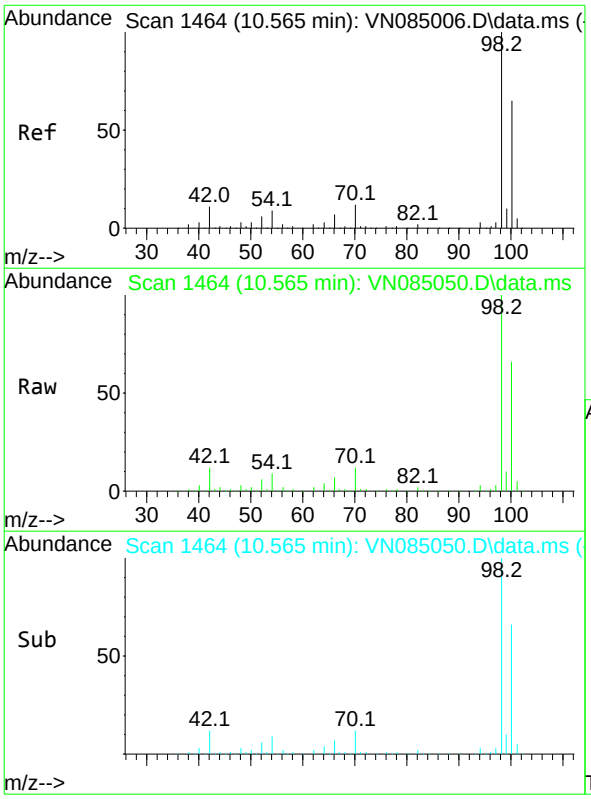
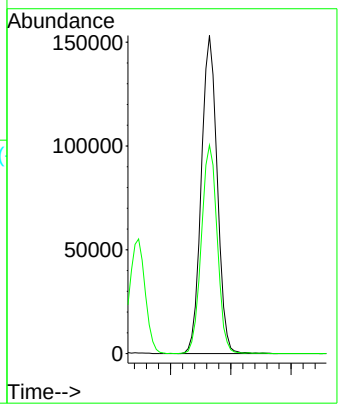
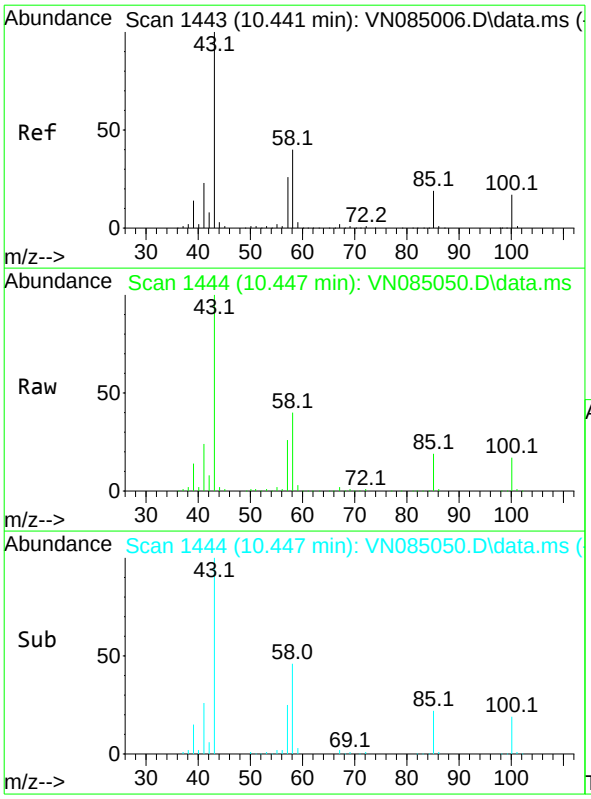


#50
Toluene-d8
Concen: 45.348 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 98 Resp: 281059

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.5	78.7

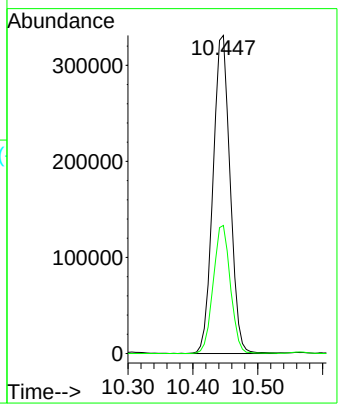




#51
4-Methyl-2-Pentanone
Concen: 299.877 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 43 Resp: 605885

Ion	Ratio	Lower	Upper
43	100		
58	40.5	32.1	48.1



Instrument :
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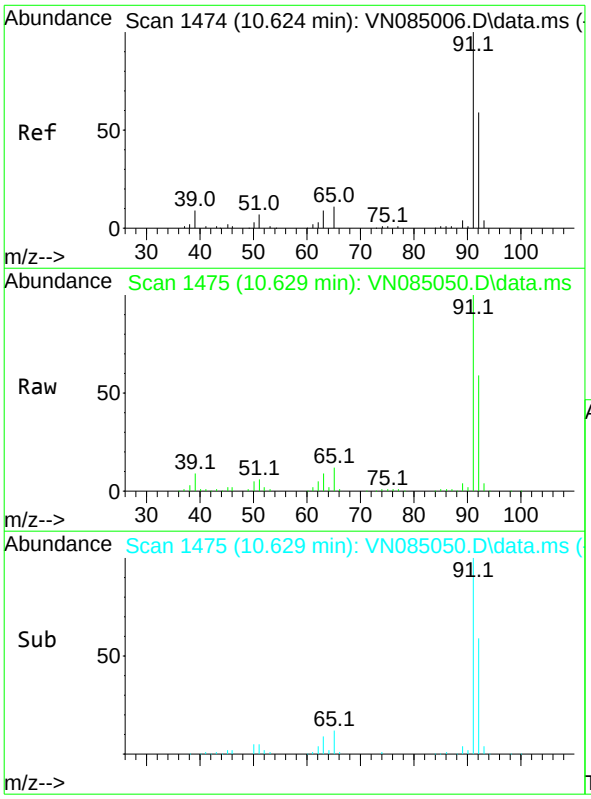
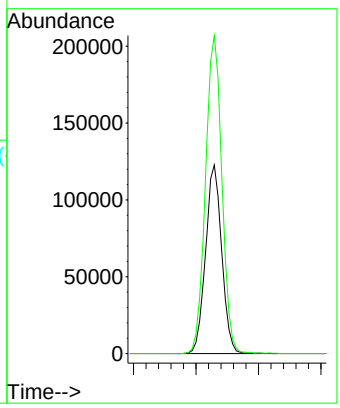
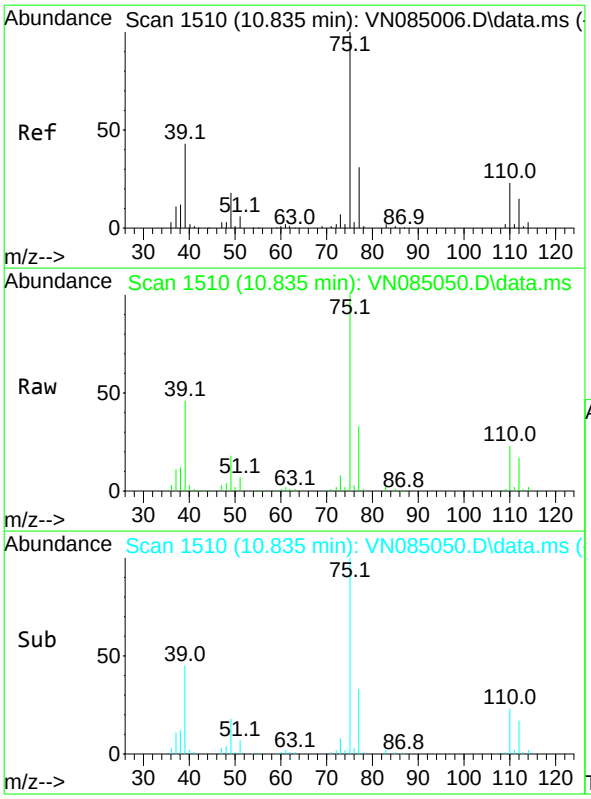


#52
Toluene
Concen: 50.120 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 92 Resp: 219828

Ion	Ratio	Lower	Upper
92	100		
91	171.5	136.7	205.1

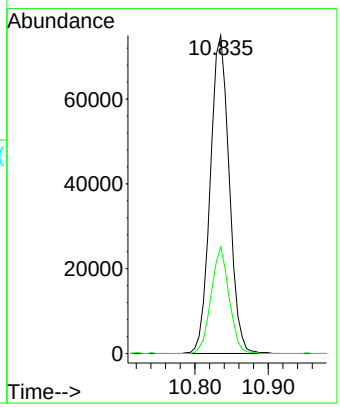




#53
t-1,3-Dichloropropene
Concen: 49.924 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 75 Resp: 134511

Ion	Ratio	Lower	Upper
75	100		
77	33.4	25.0	37.4



Instrument :
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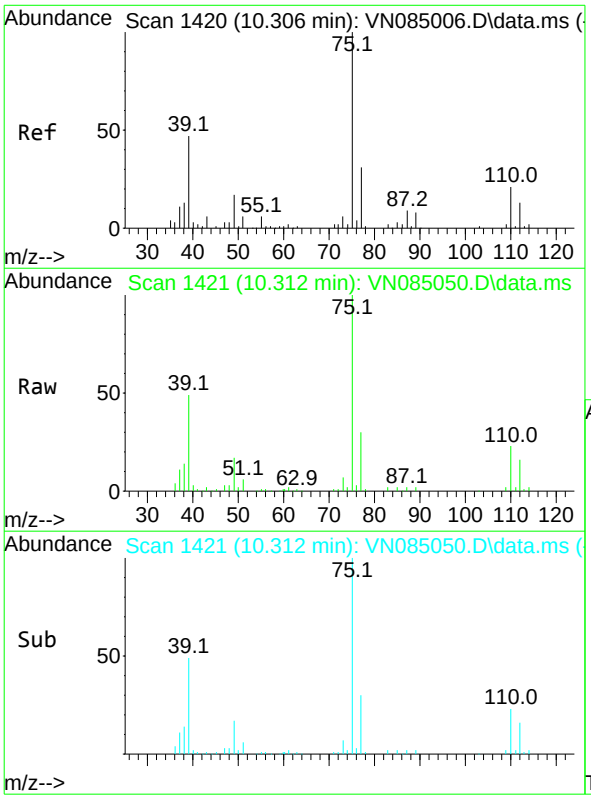
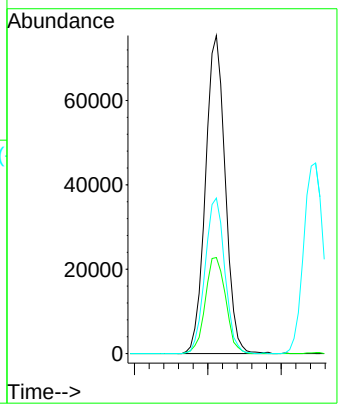
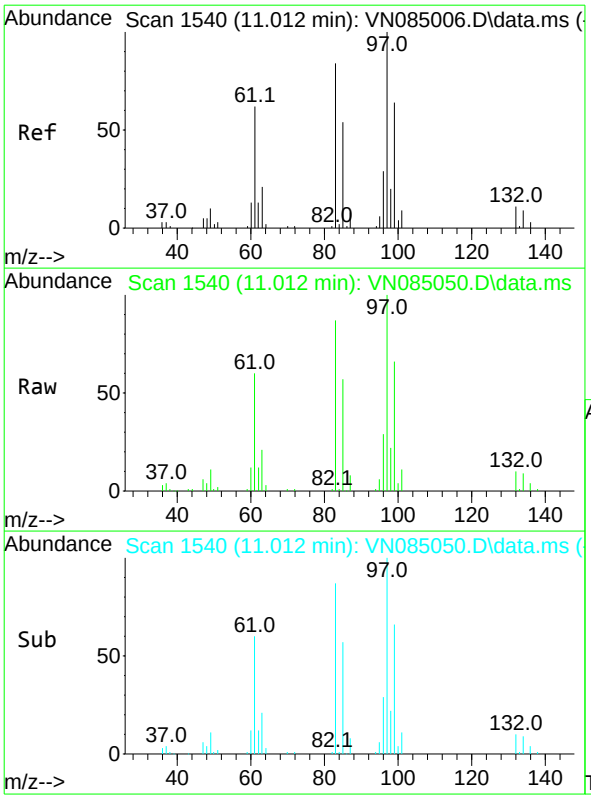


#54
cis-1,3-Dichloropropene
Concen: 49.304 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 75 Resp: 140927

Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.0	37.4
39	48.9	37.6	56.4

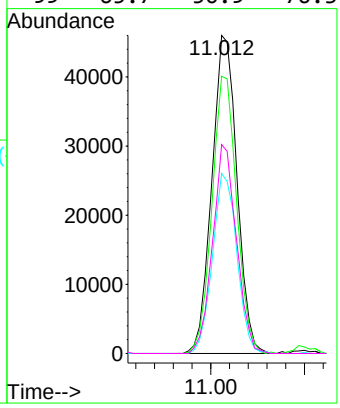




#55
1,1,2-Trichloroethane
Concen: 52.366 ug/l
RT: 11.012 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 97 Resp: 85550

Ion	Ratio	Lower	Upper
97	100		
83	87.2	67.4	101.2
85	56.6	43.1	64.7
99	65.7	50.9	76.3



Instrument :
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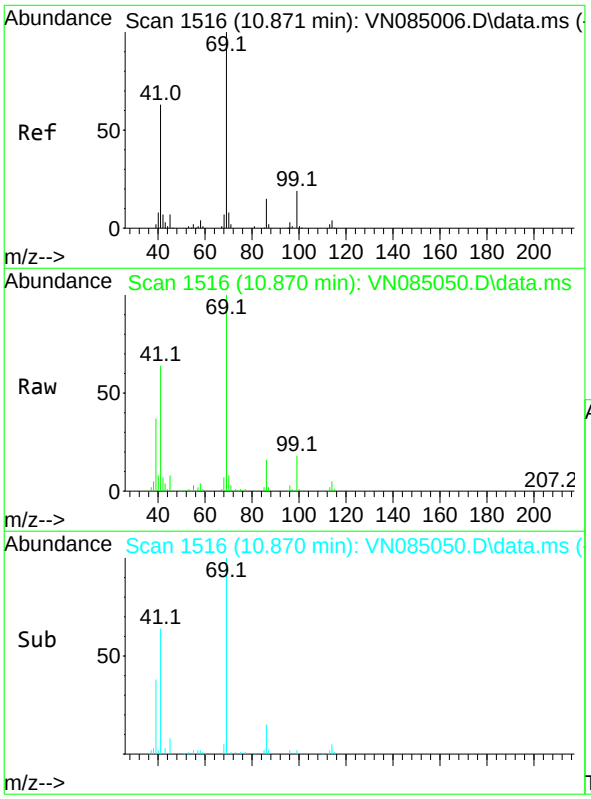
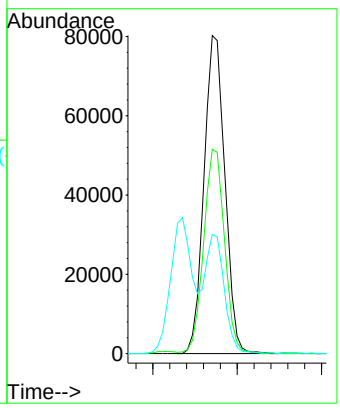
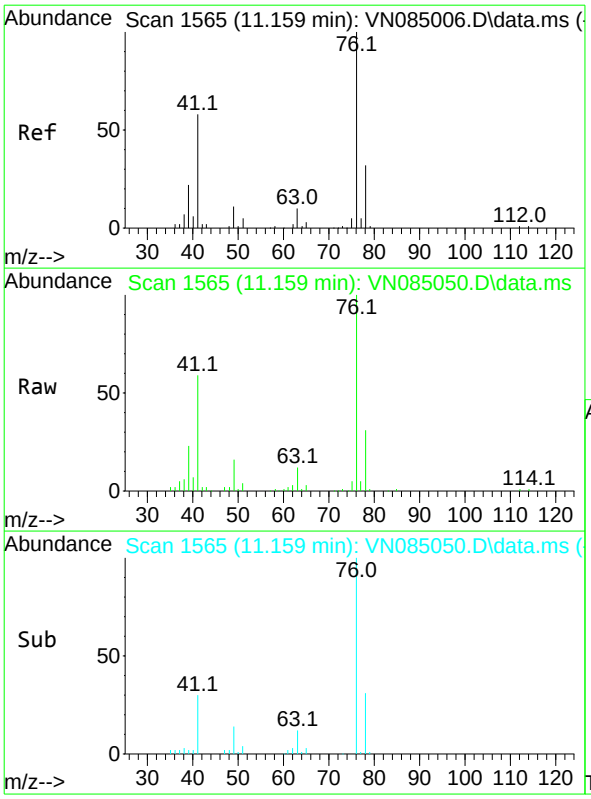


#56
Ethyl methacrylate
Concen: 57.909 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 69 Resp: 138242

Ion	Ratio	Lower	Upper
69	100		
41	64.3	50.0	75.0
39	35.5	27.0	40.6

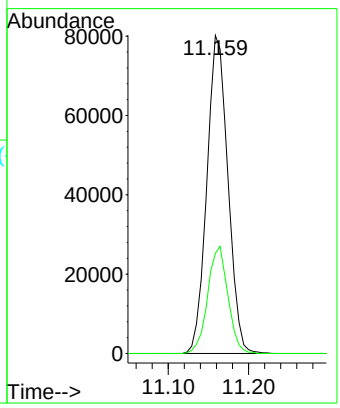




#57
1,3-Dichloropropane
Concen: 50.778 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 76 Resp: 146001

Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.1	39.1



Instrument :
MSVOA_N
ClientSampleId :
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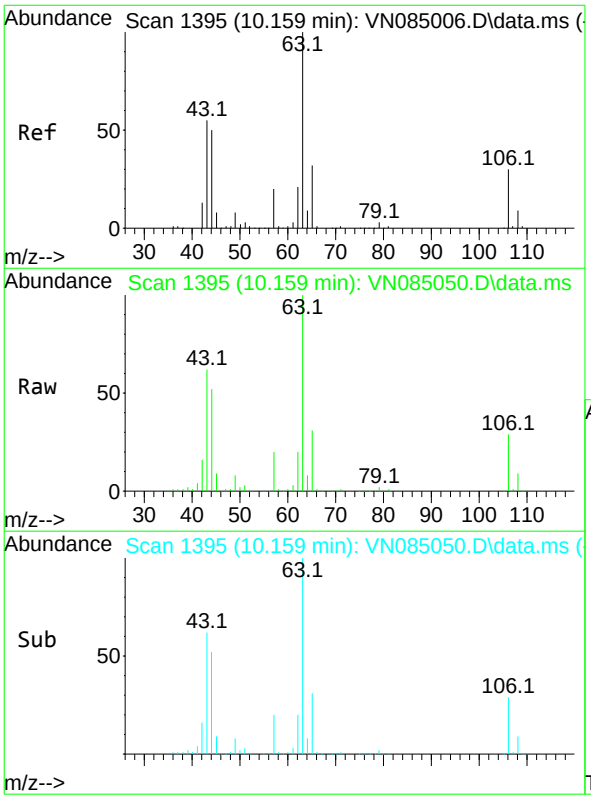
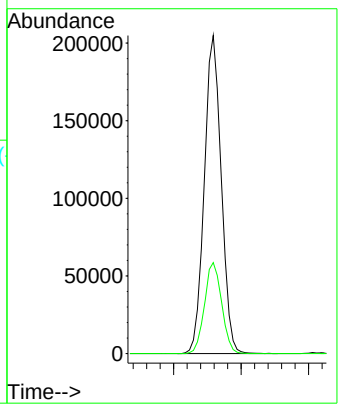
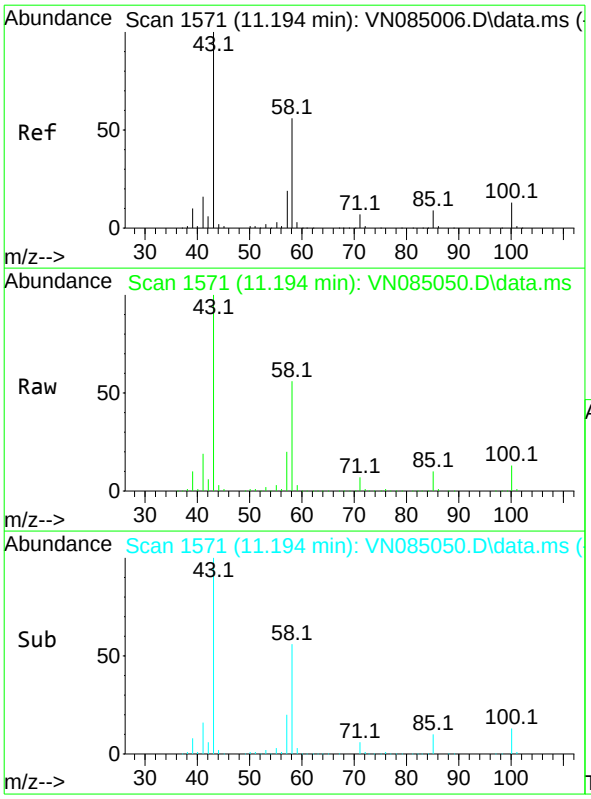


#58
2-Chloroethyl Vinyl ether
Concen: 304.919 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 63 Resp: 357062

Ion	Ratio	Lower	Upper
63	100		
106	28.9	23.0	34.6

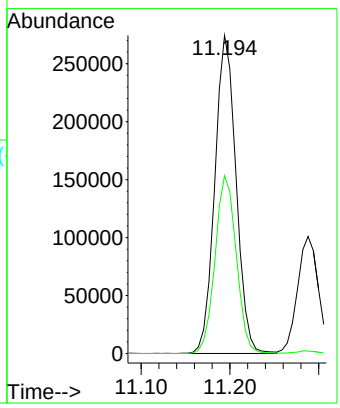




#59
2-Hexanone
Concen: 301.875 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 43 Resp: 456163

Ion	Ratio	Lower	Upper
43	100		
58	55.8	28.3	85.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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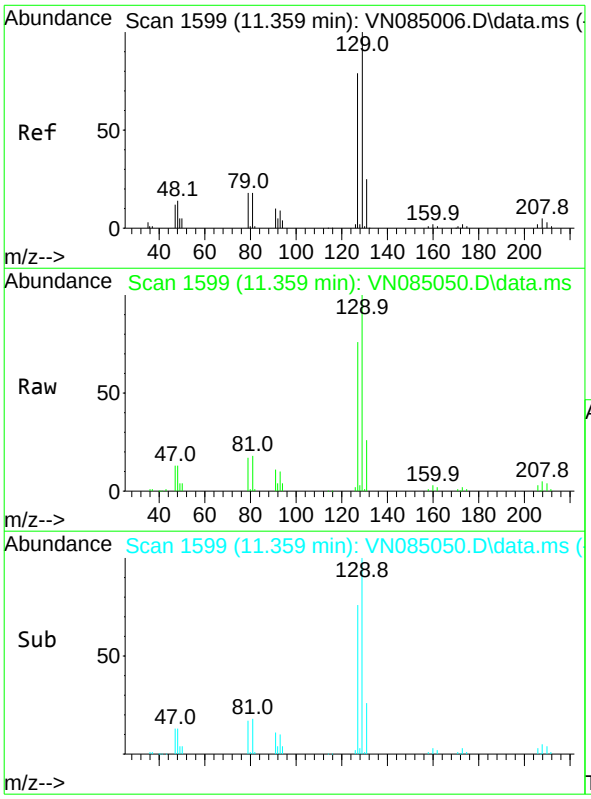
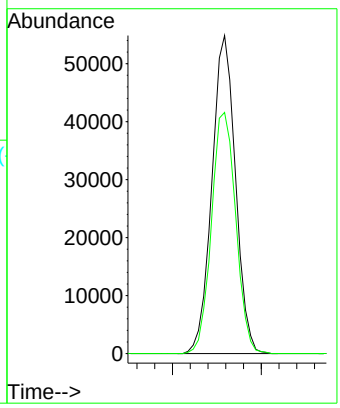
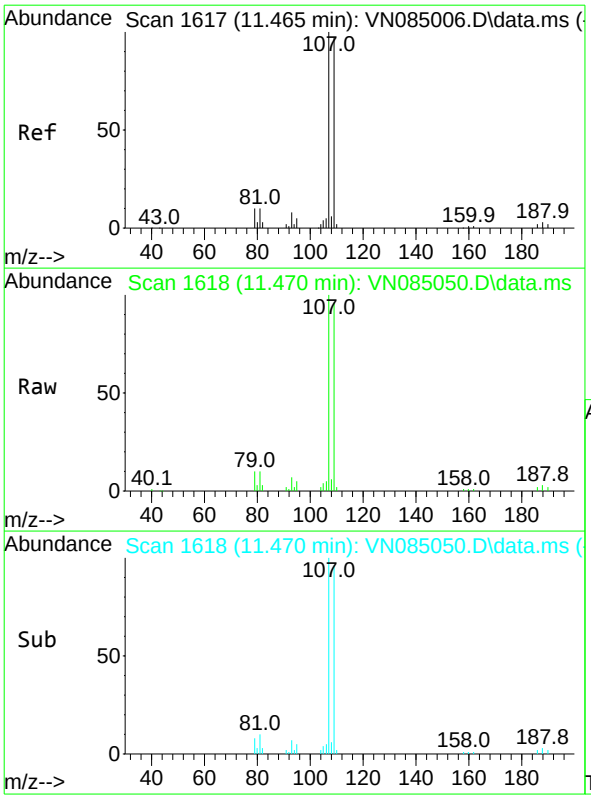


#60
Dibromochloromethane
Concen: 50.705 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:129 Resp: 101239

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.2	117.6

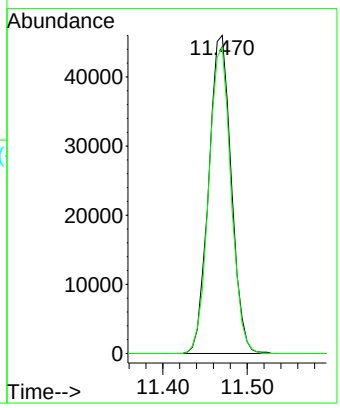




#61
1,2-Dibromoethane
Concen: 50.598 ug/l
RT: 11.470 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:107 Resp: 85548

Ion	Ratio	Lower	Upper
107	100		
109	94.9	76.1	114.1



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ClientSampleId :
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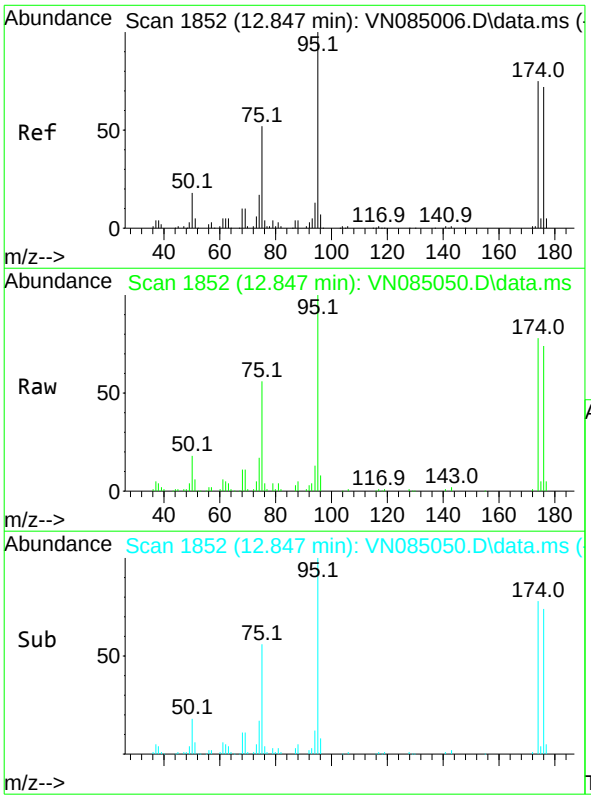
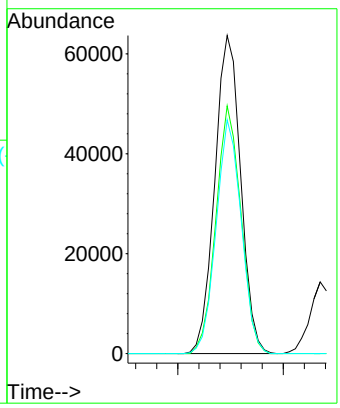
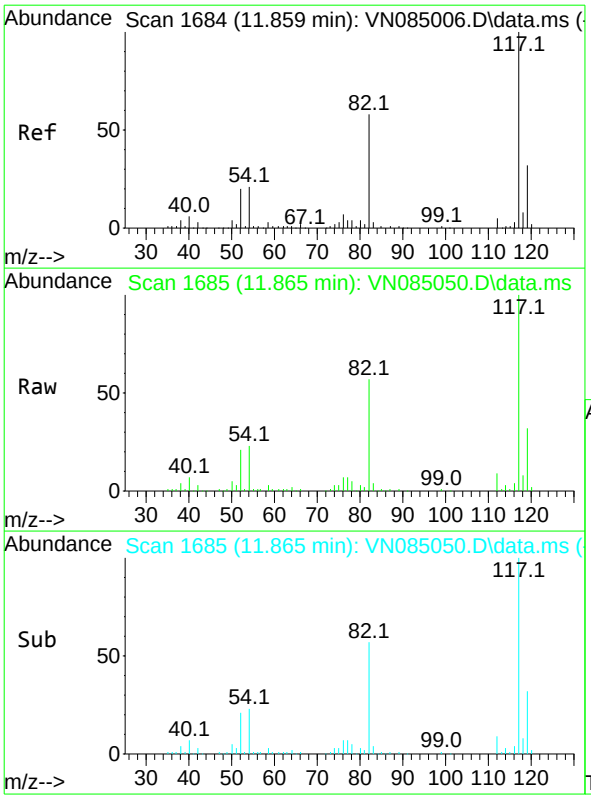


#62
4-Bromofluorobenzene
Concen: 46.887 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 95 Resp: 108675

Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	146.6
176	71.1	0.0	141.8

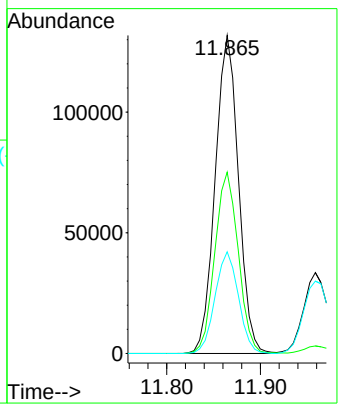




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:117 Resp: 227672

Ion	Ratio	Lower	Upper
117	100		
82	57.0	46.0	69.0
119	32.0	25.6	38.4



Instrument :
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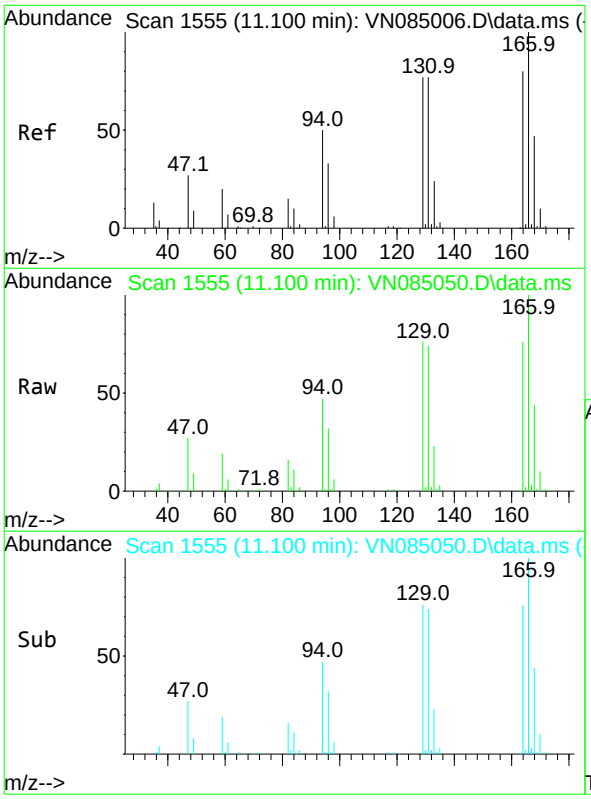
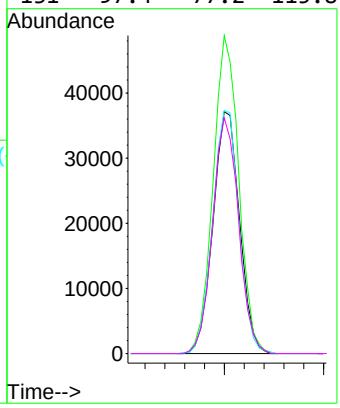
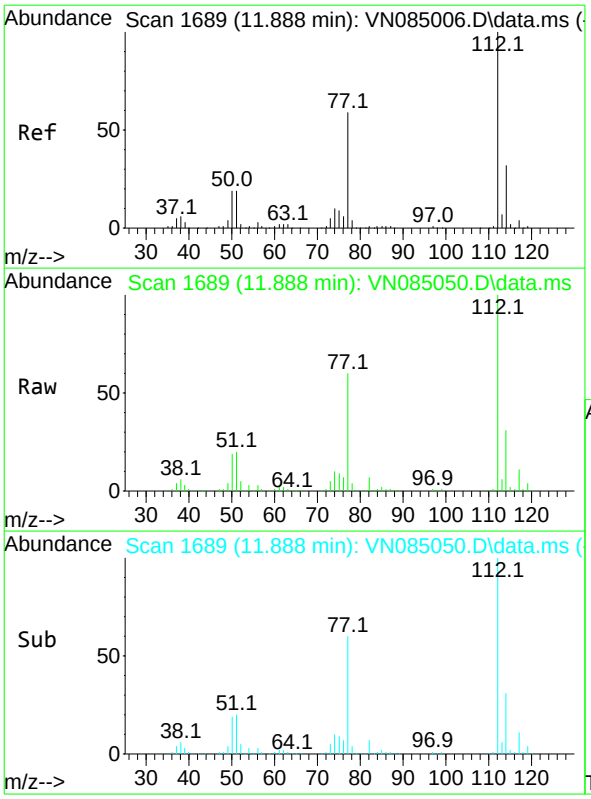


#64
Tetrachloroethene
Concen: 44.830 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:164 Resp: 68775

Ion	Ratio	Lower	Upper
164	100		
166	131.5	100.6	151.0
129	100.5	77.7	116.5
131	97.4	77.2	115.8

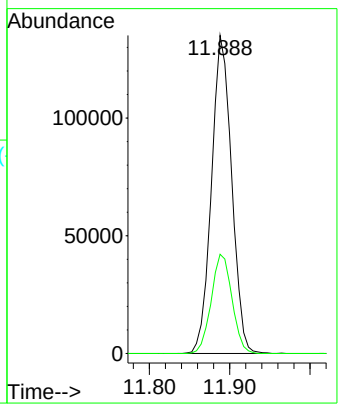




#65
Chlorobenzene
Concen: 45.570 ug/l
RT: 11.888 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:112 Resp: 235294

Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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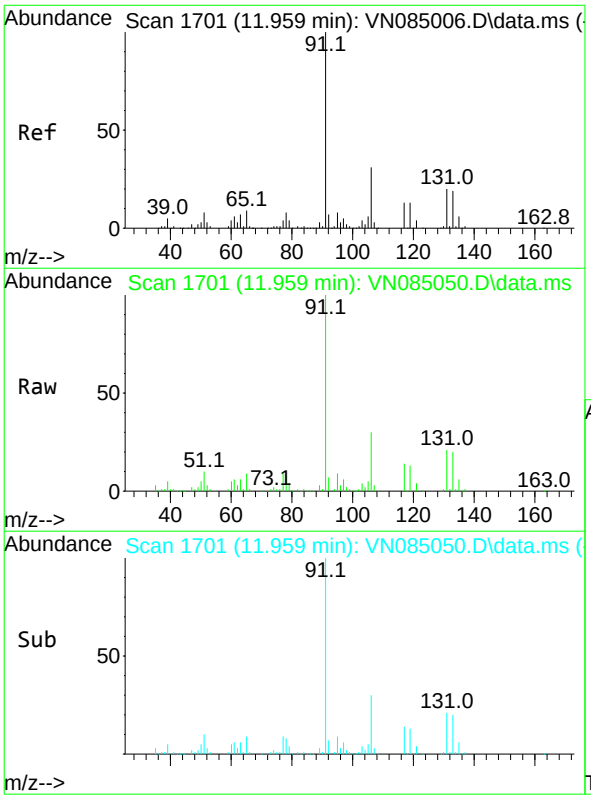
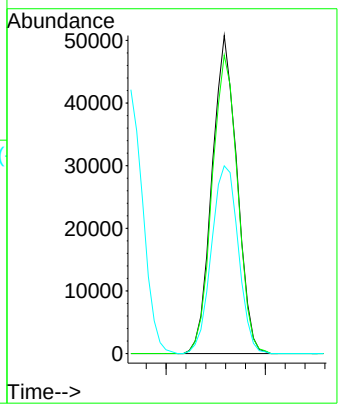
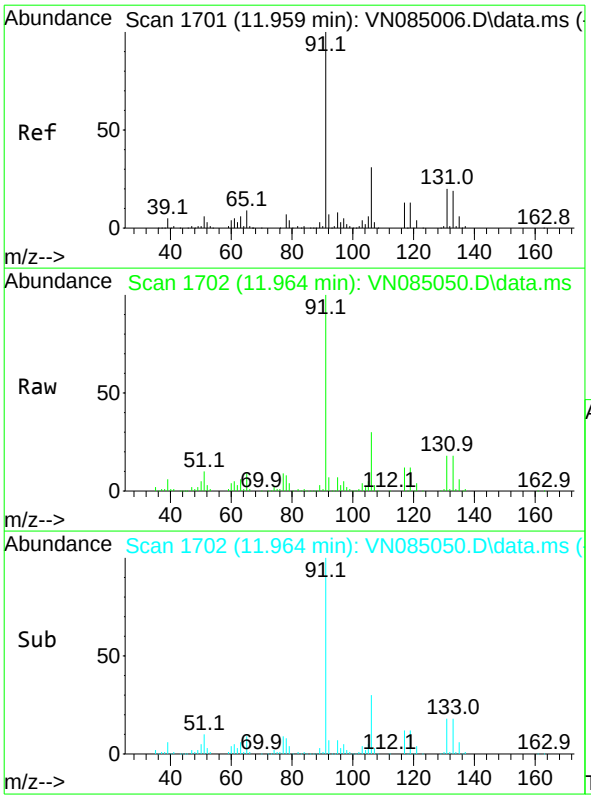


#66
1,1,1,2-Tetrachloroethane
Concen: 48.750 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:131 Resp: 88625

Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.8	143.4
119	63.7	32.1	96.3

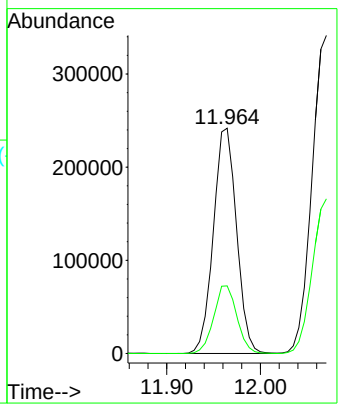




#67
Ethyl Benzene
Concen: 49.599 ug/l
RT: 11.964 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 91 Resp: 415484

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.7	37.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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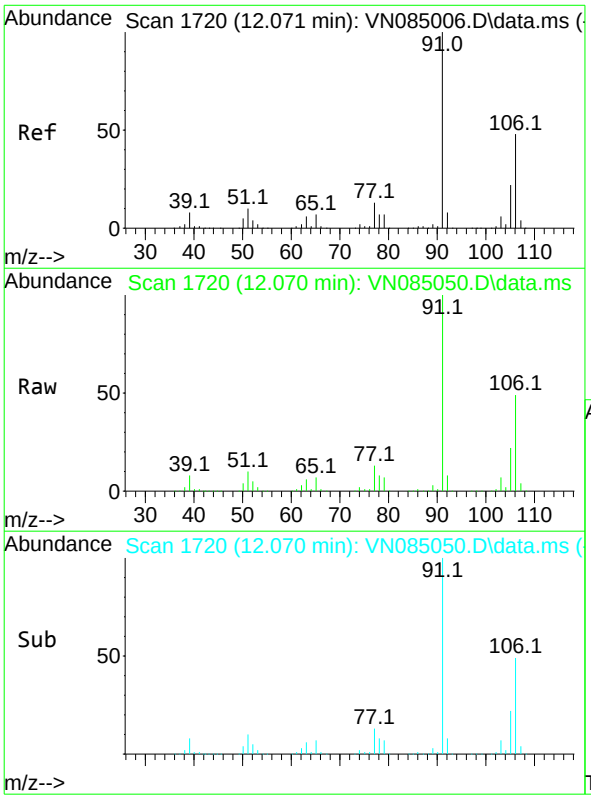
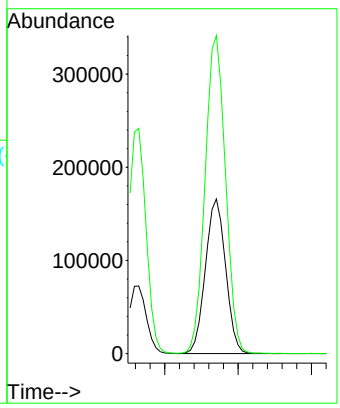
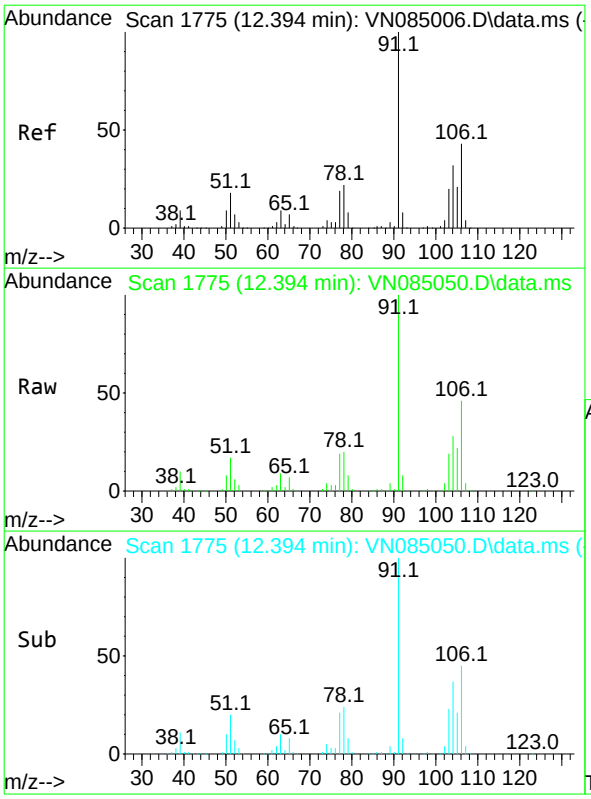


#68
m/p-Xylenes
Concen: 99.579 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:106 Resp: 317581

Ion	Ratio	Lower	Upper
106	100		
91	207.7	168.0	252.0

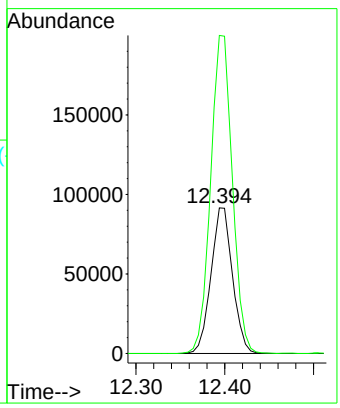




#69
o-Xylene
Concen: 50.796 ug/l
RT: 12.394 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:106 Resp: 154101

Ion	Ratio	Lower	Upper
106	100		
91	220.6	110.7	331.9



Instrument :
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ClientSampleId :
VSTDCCC050EC

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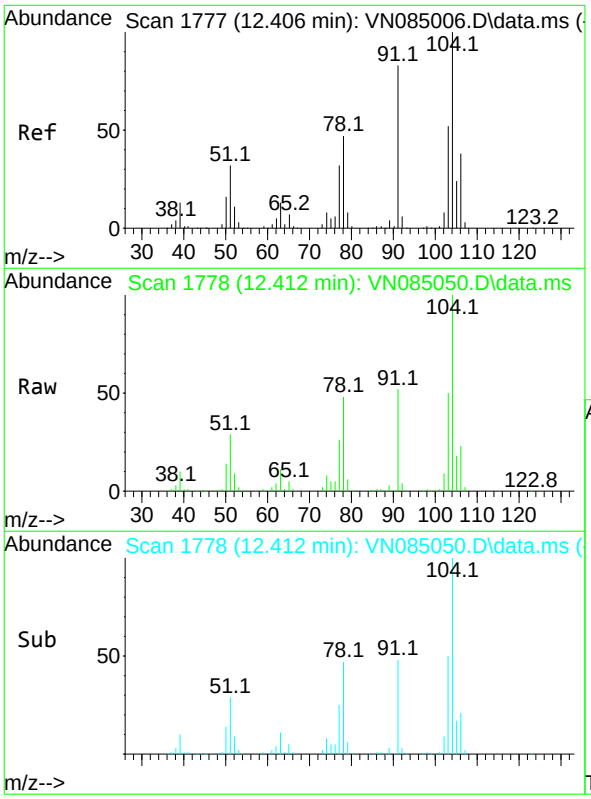
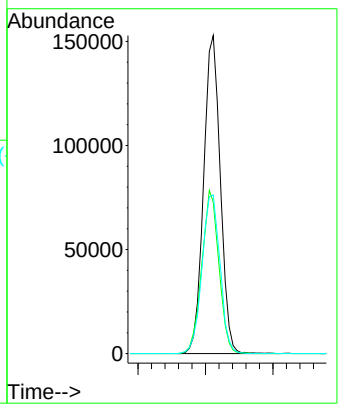
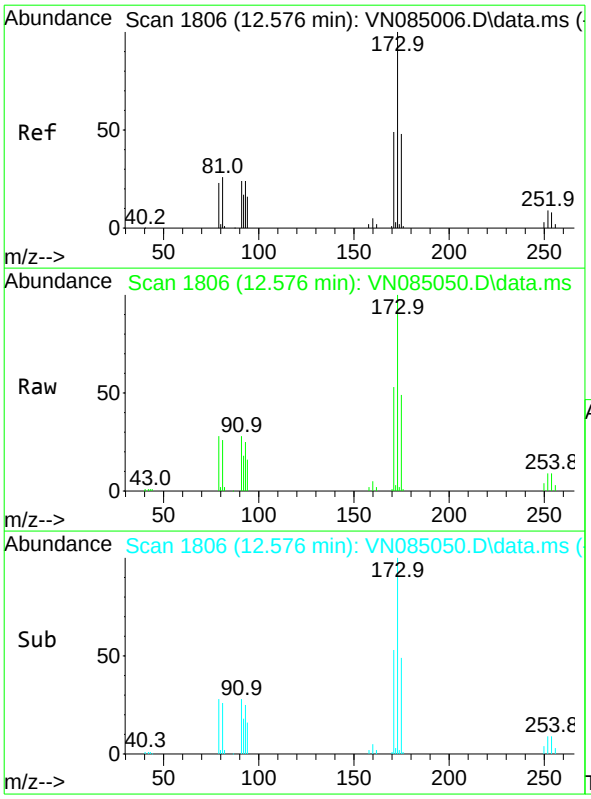


#70
Styrene
Concen: 52.202 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:104 Resp: 263359

Ion	Ratio	Lower	Upper
104	100		
78	52.4	42.3	63.5
103	53.6	44.2	66.2





#71
Bromoform
Concen: 50.776 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:173 Resp: 68519

Ion	Ratio	Lower	Upper
173	100		
175	49.5	23.8	71.2
254	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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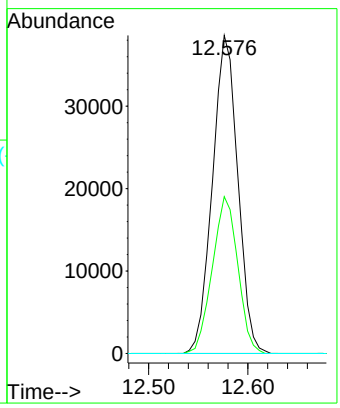
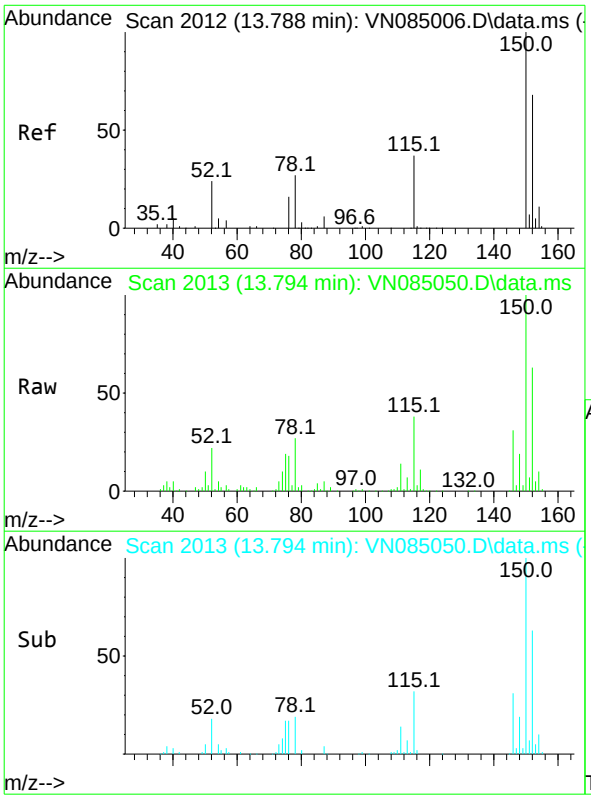
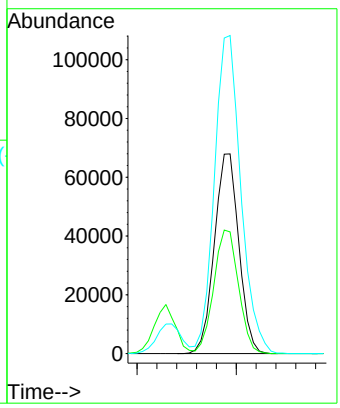


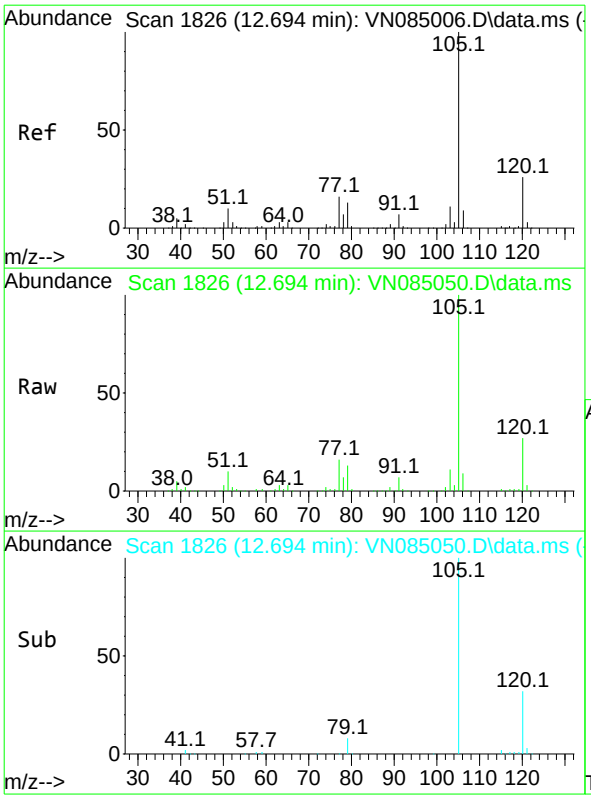


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:152 Resp: 116253

Ion	Ratio	Lower	Upper
152	100		
115	62.5	31.7	95.1
150	172.7	0.0	351.4

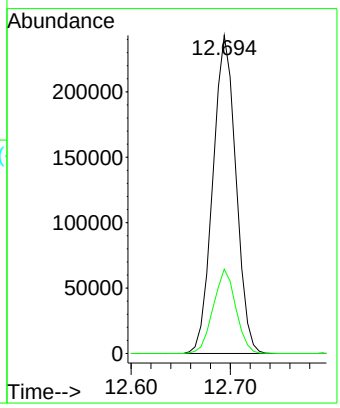




#73
Isopropylbenzene
Concen: 47.841 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:105 Resp: 392356

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.0	39.0



Instrument :
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ClientSampleId :
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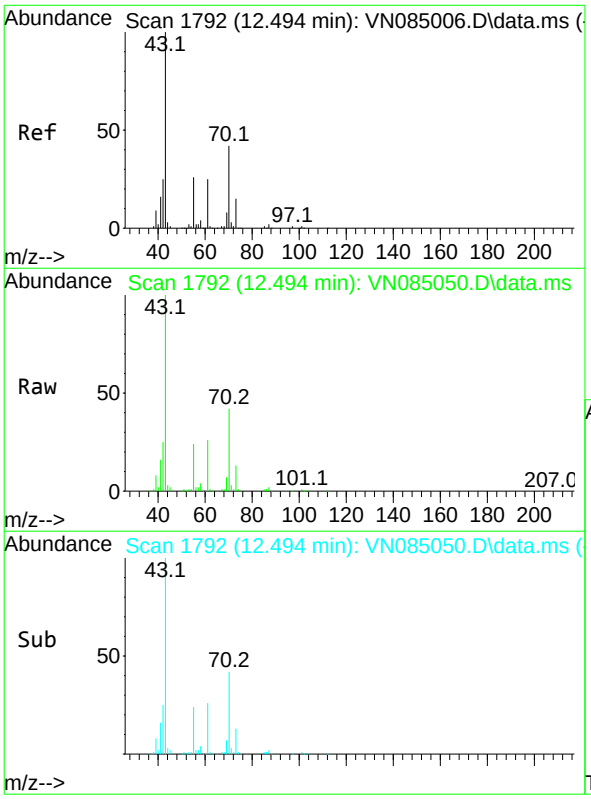
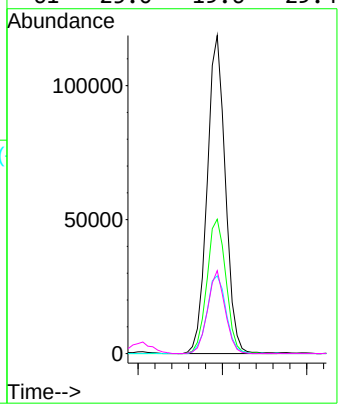
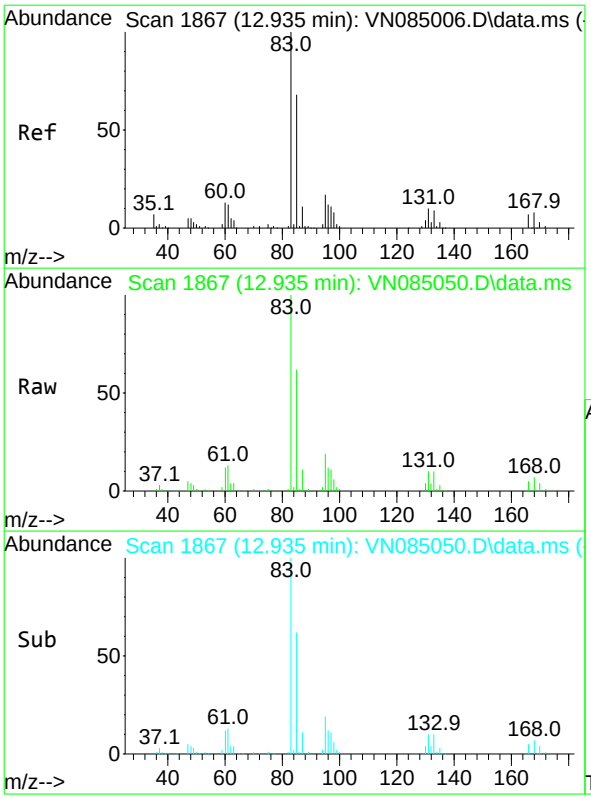


#74
N-amyl acetate
Concen: 52.610 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 43 Resp: 177798

Ion	Ratio	Lower	Upper
43	100		
70	44.1	34.6	51.8
55	25.8	20.5	30.7
61	25.0	19.6	29.4

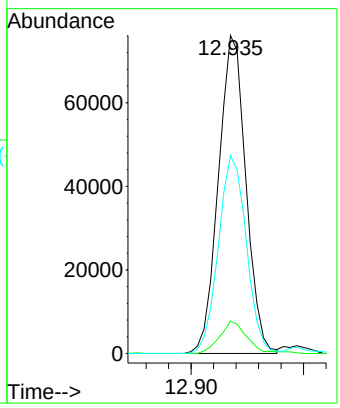




#75
1,1,2,2-Tetrachloroethane
Concen: 46.111 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 83 Resp: 129135

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.1	15.4
85	63.5	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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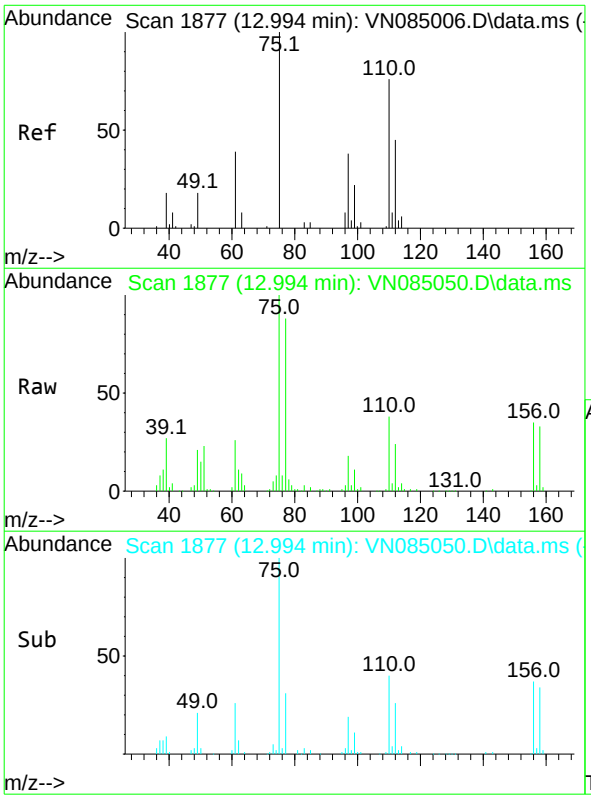
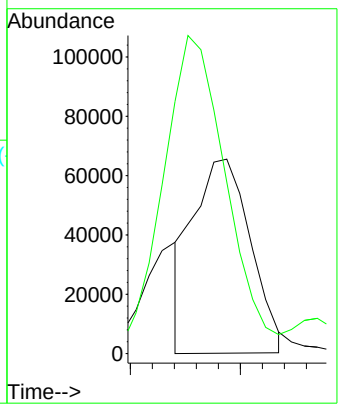
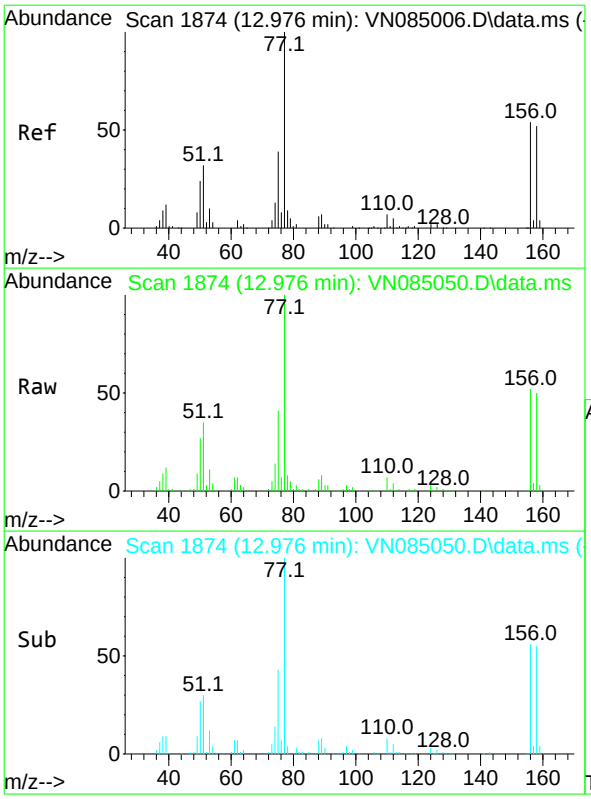


#76
1,2,3-Trichloropropane
Concen: 56.224 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 75 Resp: 118889

Ion	Ratio	Lower	Upper
75	100		
77	180.8	109.1	327.4

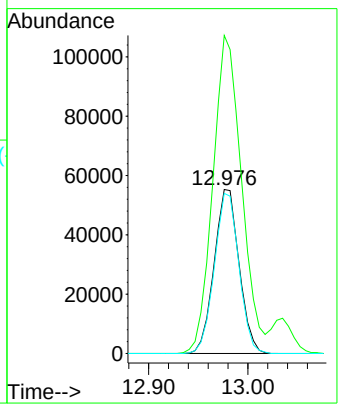




#77
Bromobenzene
Concen: 43.792 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:156 Resp: 96650

Ion	Ratio	Lower	Upper
156	100		
77	222.4	107.2	321.6
158	95.9	48.5	145.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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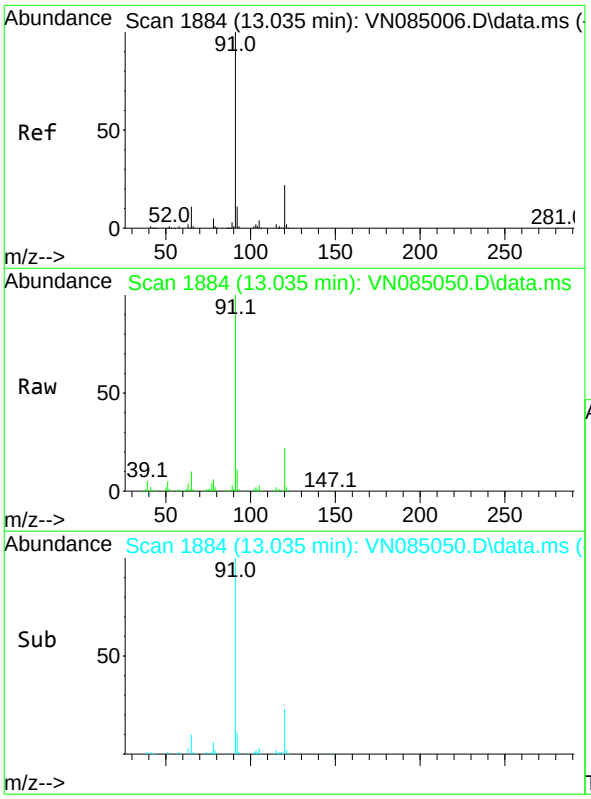
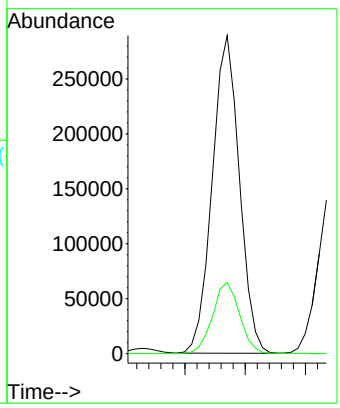
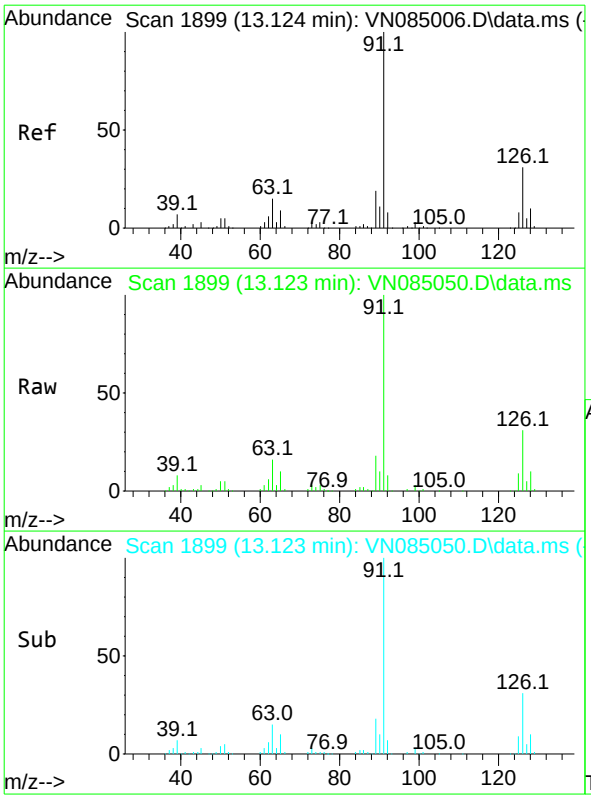


#78
n-propylbenzene
Concen: 47.866 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 91 Resp: 452784

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.3	33.9

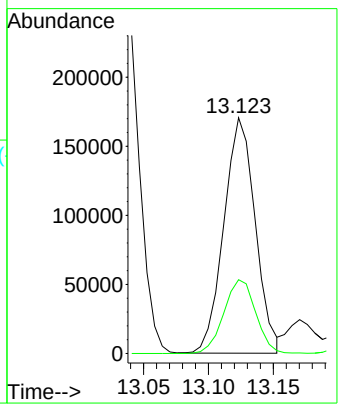




#79
2-Chlorotoluene
Concen: 45.474 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 91 Resp: 287148

Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.1	48.3



Instrument :
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ClientSampleId :
VSTDCCC050EC

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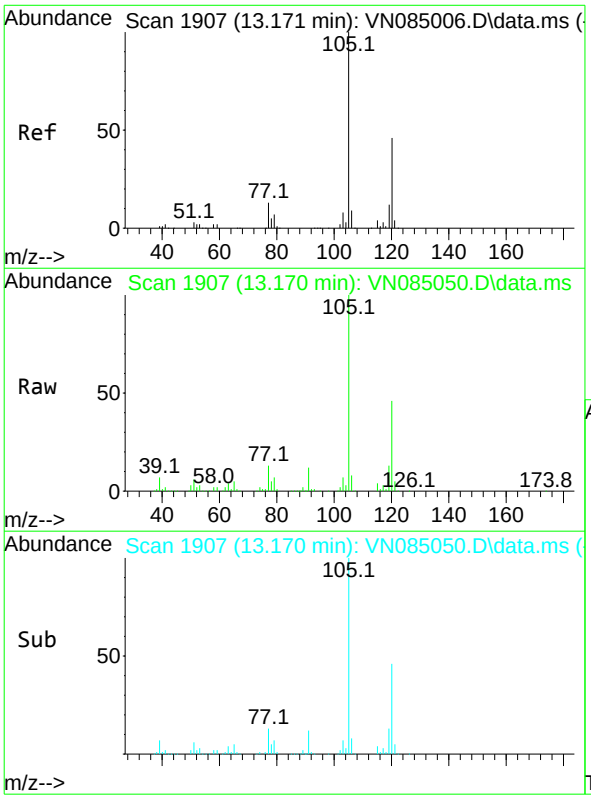
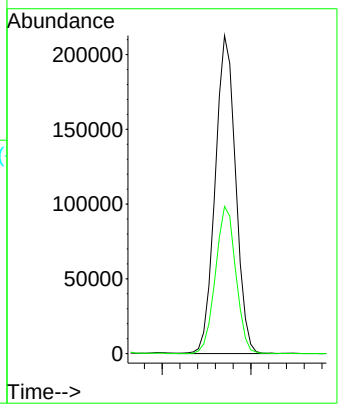
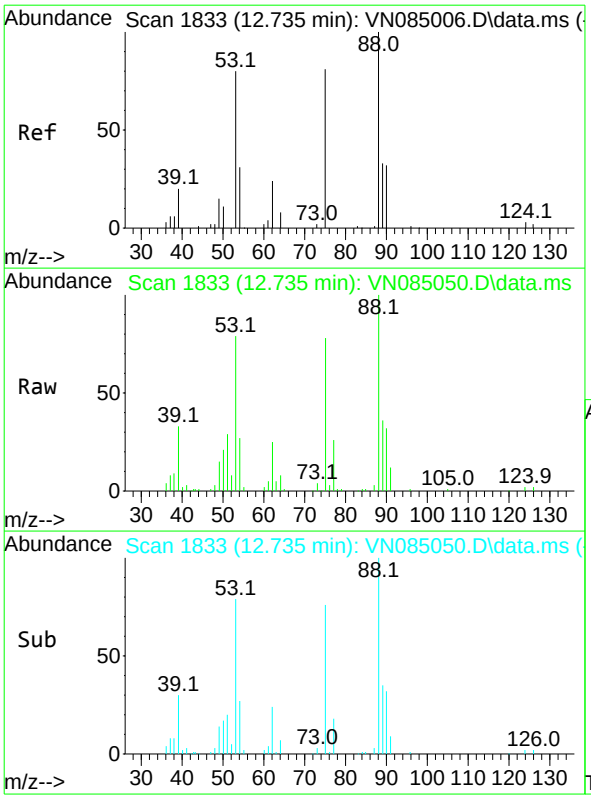


#80
1,3,5-Trimethylbenzene
Concen: 49.508 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:105 Resp: 340710

Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.6	71.0

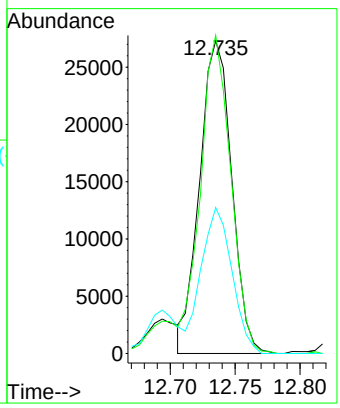




#81
trans-1,4-Dichloro-2-butene
Concen: 49.081 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 75 Resp: 47013

Ion	Ratio	Lower	Upper
75	100		
53	106.4	78.2	117.4
89	44.5	37.9	56.9



Instrument :
MSVOA_N
ClientSampleId :
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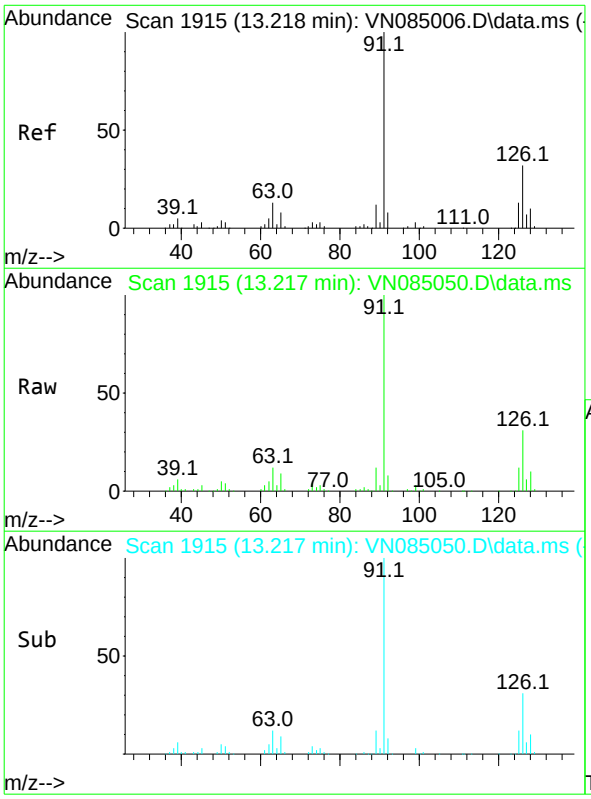
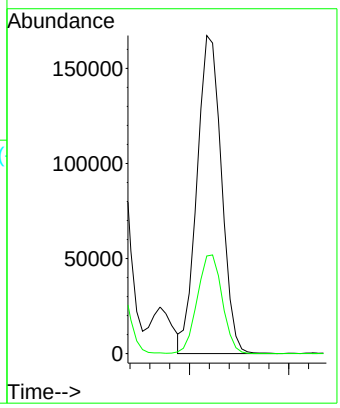
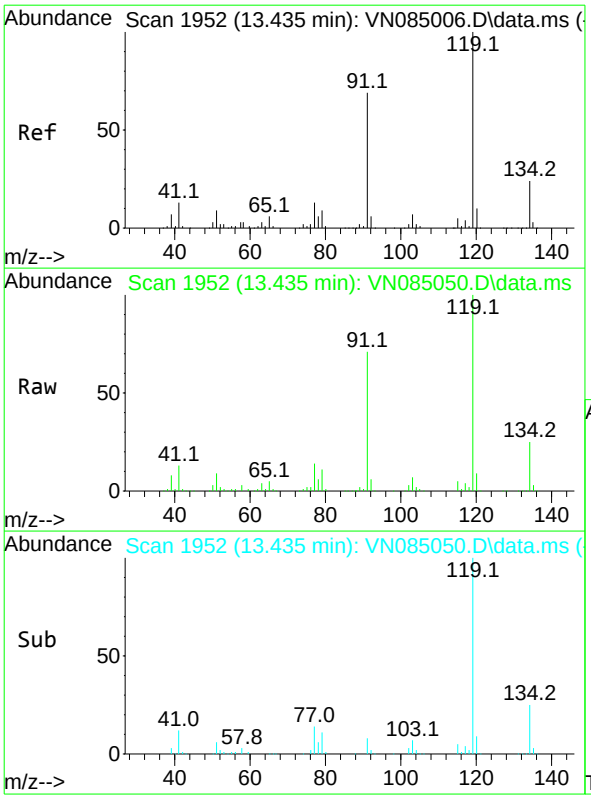


#82
4-Chlorotoluene
Concen: 43.625 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 91 Resp: 286775

Ion	Ratio	Lower	Upper
91	100		
126	31.6	16.1	48.3

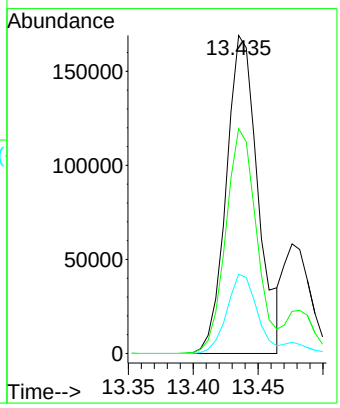




#83
tert-Butylbenzene
Concen: 48.549 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:119 Resp: 287470

Ion	Ratio	Lower	Upper
119	100		
91	68.7	35.1	105.5
134	23.7	12.1	36.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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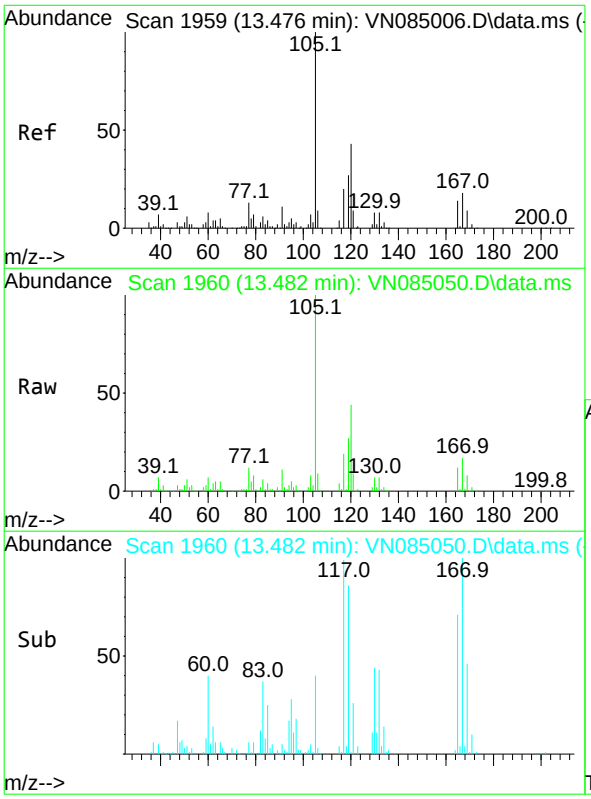
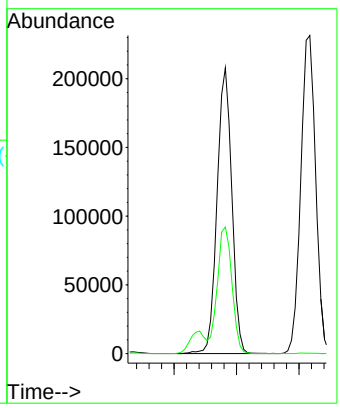
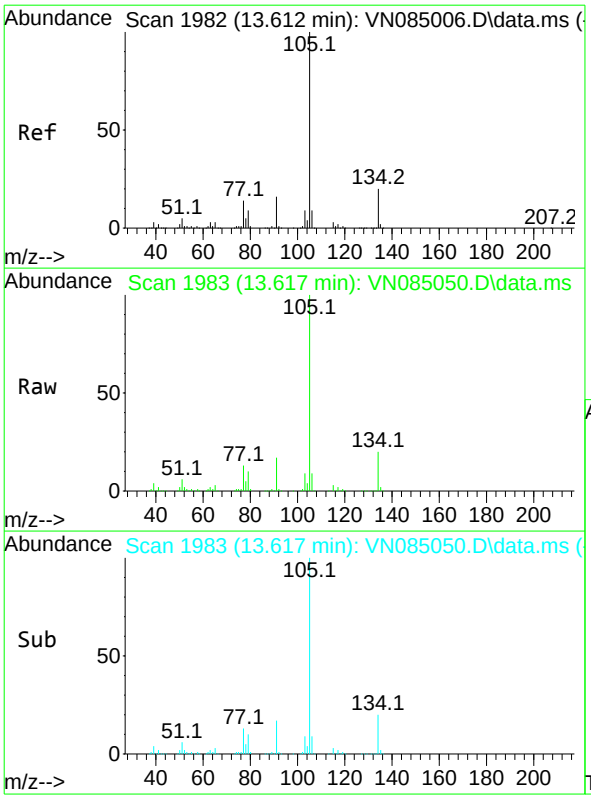


#84
1,2,4-Trimethylbenzene
Concen: 47.943 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:105 Resp: 339626

Ion	Ratio	Lower	Upper
105	100		
120	44.3	21.8	65.4

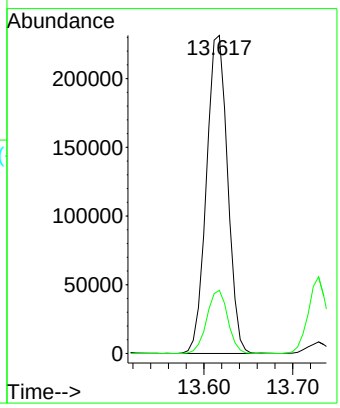




#85
sec-Butylbenzene
Concen: 47.862 ug/l
RT: 13.617 min Scan# 19
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:105 Resp: 382841

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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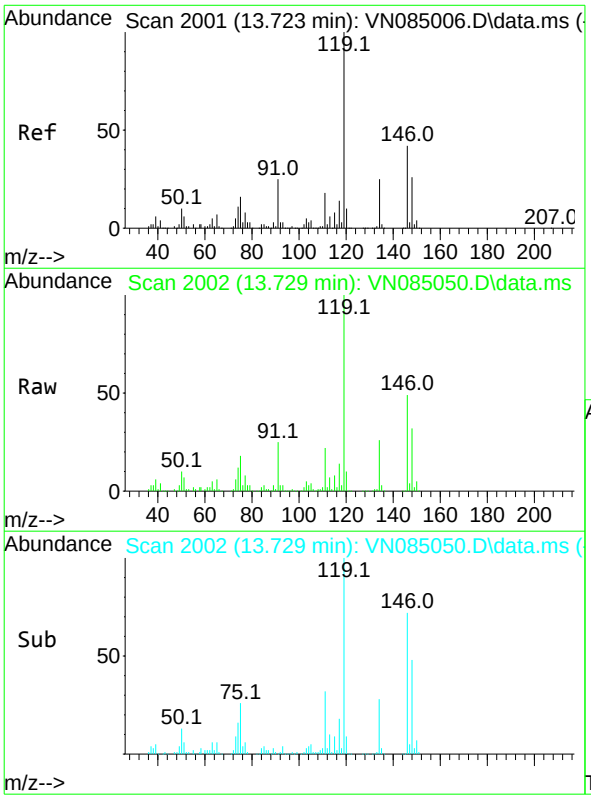
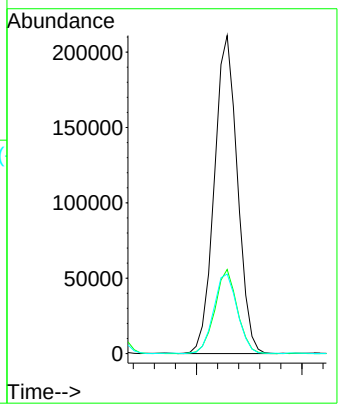
Reviewed By :John Carlone 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

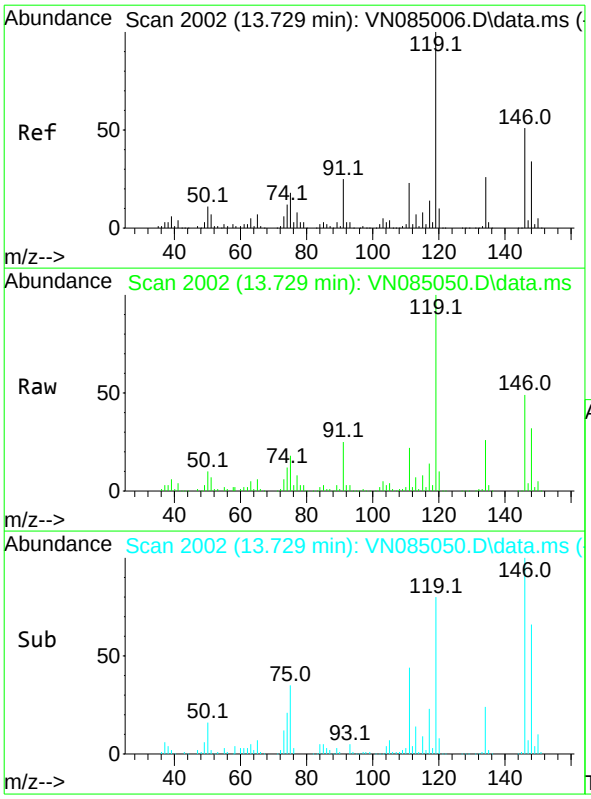


#86
p-Isopropyltoluene
Concen: 48.719 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:119 Resp: 321691

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	39.0
91	25.7	12.8	38.4

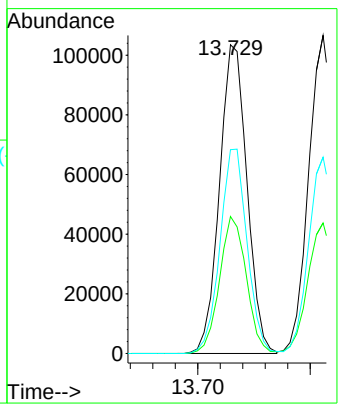




#87
1,3-Dichlorobenzene
Concen: 40.389 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:146 Resp: 175822

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	65.0
148	65.5	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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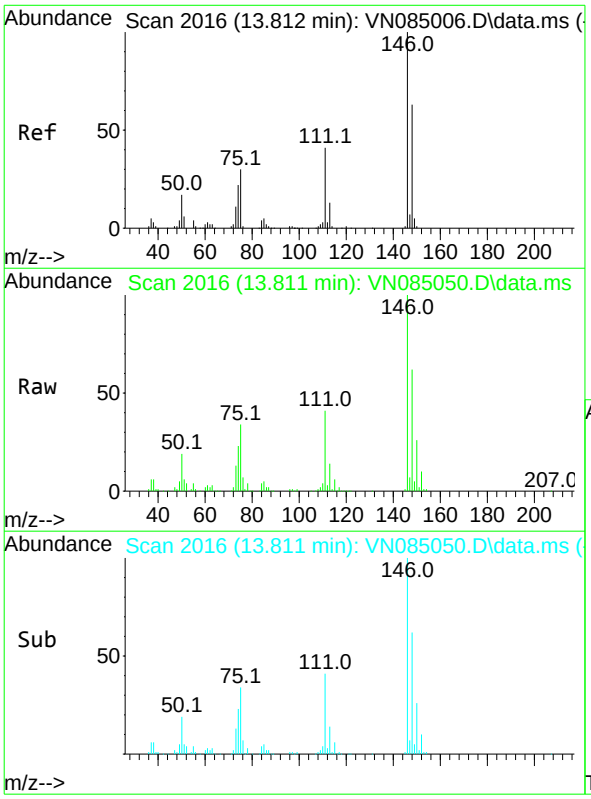
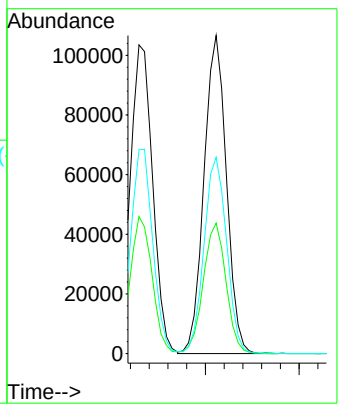
Reviewed By :John Carlone 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

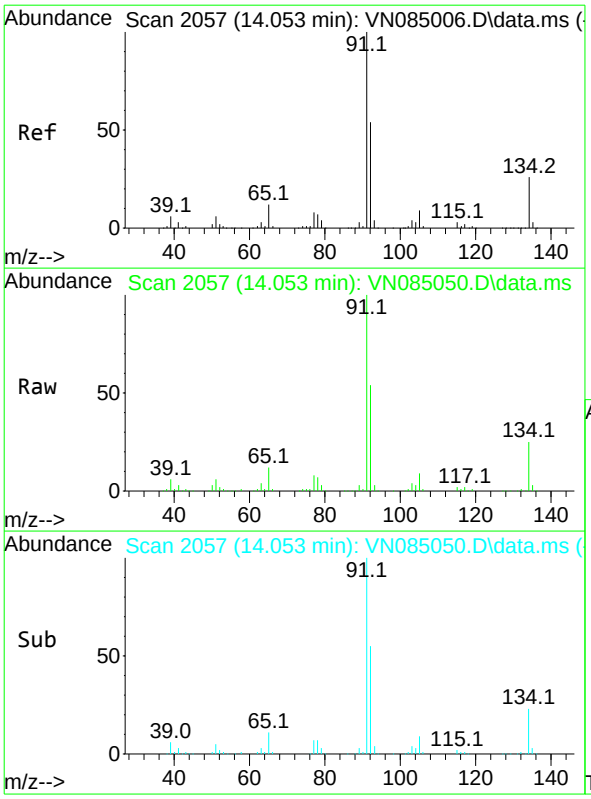


#88
1,4-Dichlorobenzene
Concen: 39.875 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:146 Resp: 177138

Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.9	62.8
148	62.2	31.3	93.9

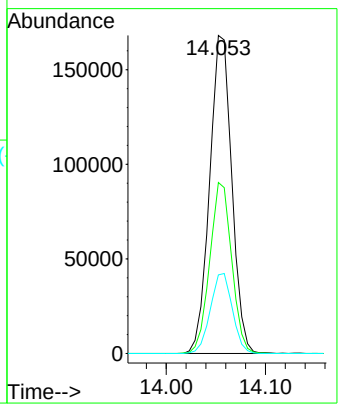




#89
n-Butylbenzene
Concen: 42.490 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 91 Resp: 260916

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.8	80.3
134	25.0	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 11/27/2024
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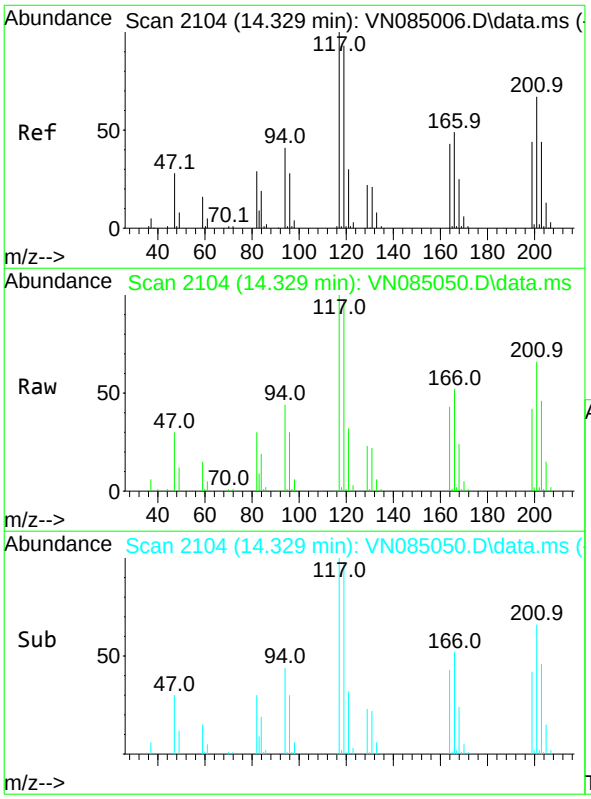
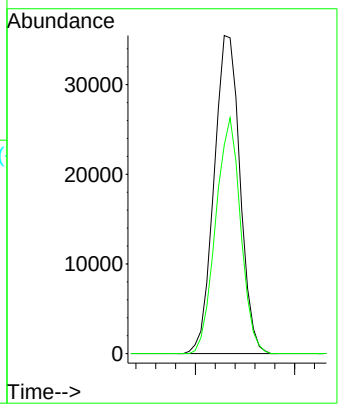
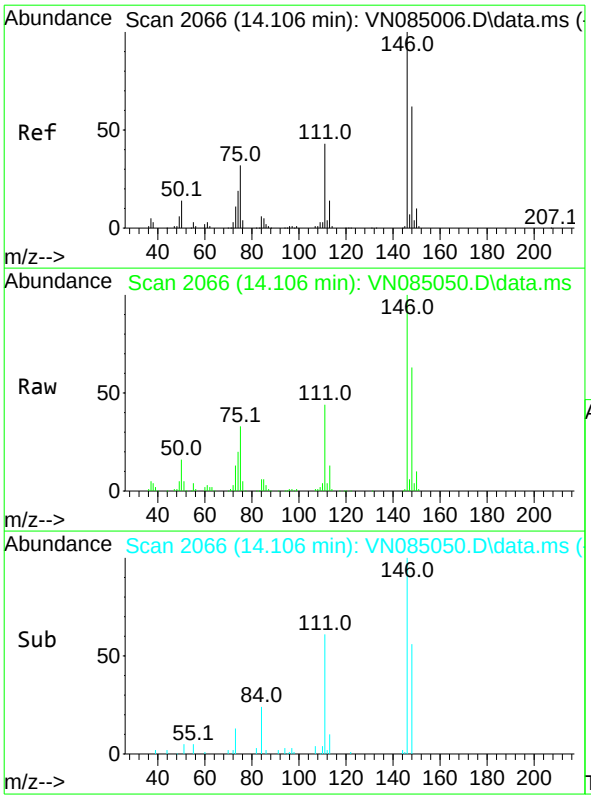


#90
Hexachloroethane
Concen: 44.778 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:117 Resp: 64448

Ion	Ratio	Lower	Upper
117	100		
201	71.3	35.2	105.6

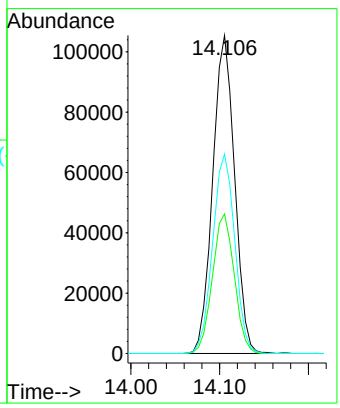




#91
1,2-Dichlorobenzene
Concen: 43.280 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:146 Resp: 180536

Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.9	65.8
148	63.5	31.1	93.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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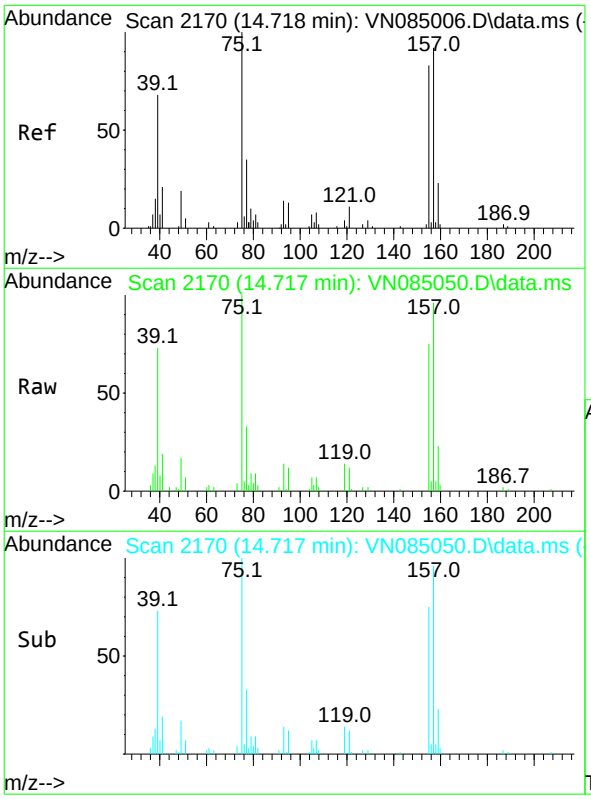
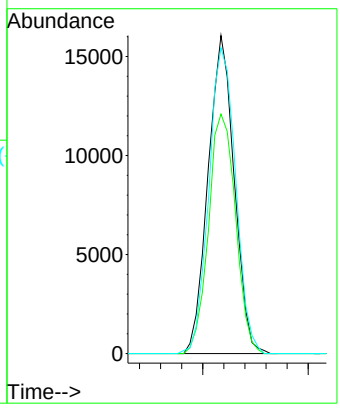
Reviewed By :John Carlone 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

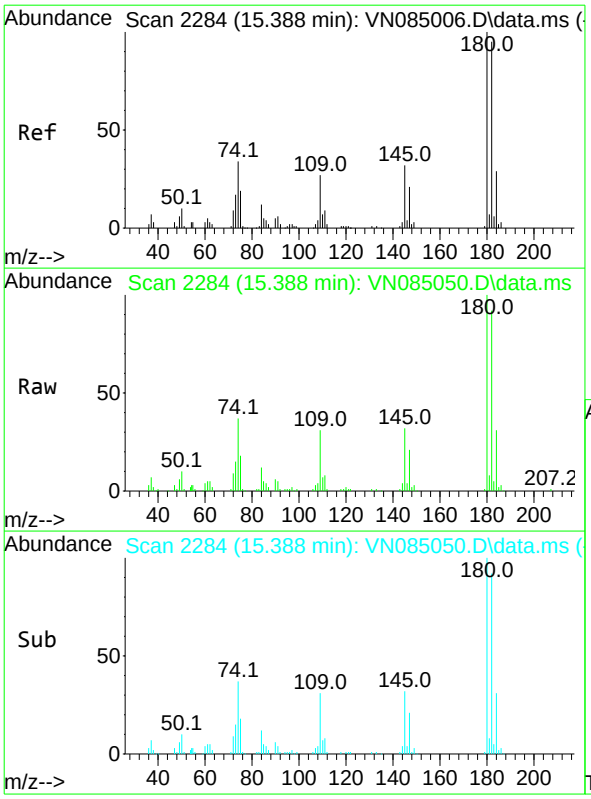


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.973 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 75 Resp: 27604

Ion	Ratio	Lower	Upper
75	100		
155	77.8	38.9	116.7
157	98.6	48.3	144.9





#93
1,2,4-Trichlorobenzene
Concen: 39.459 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:180 Resp: 89421

Ion	Ratio	Lower	Upper
180	100		
182	93.6	46.9	140.8
145	32.4	16.3	48.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 11/27/2024
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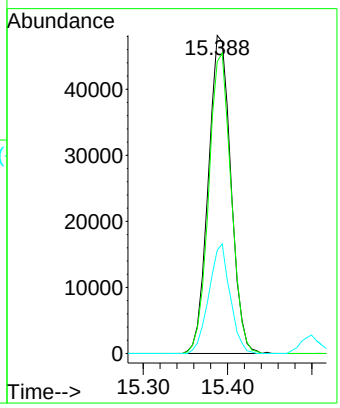
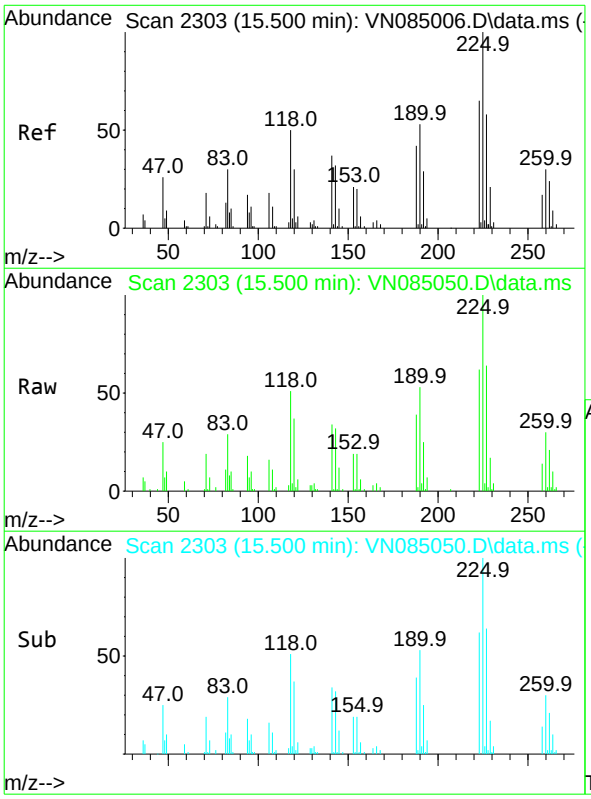
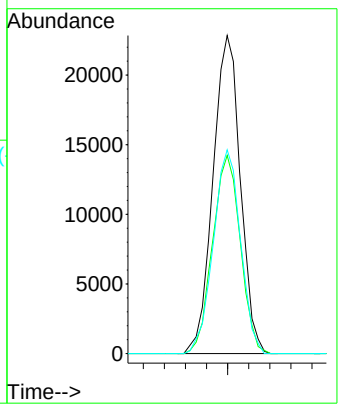


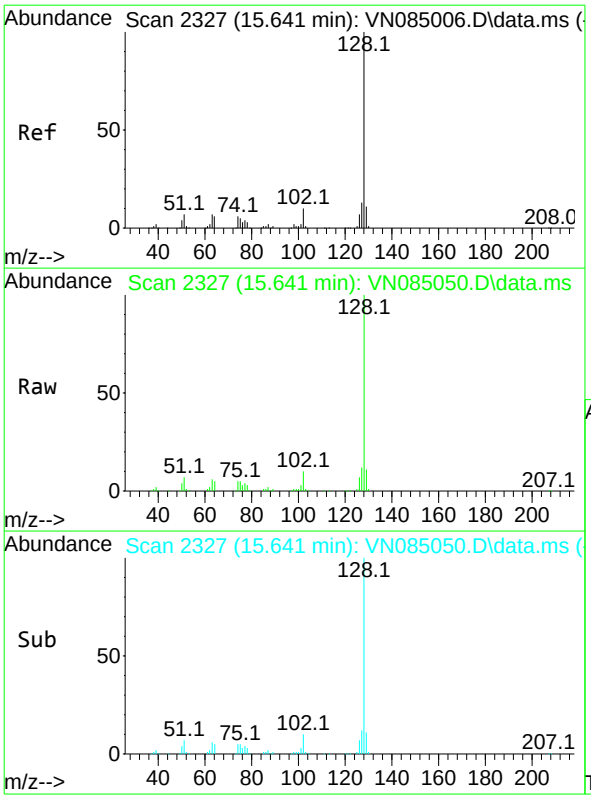


#94
Hexachlorobutadiene
Concen: 39.268 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:225 Resp: 41070

Ion	Ratio	Lower	Upper
225	100		
223	63.2	30.9	92.8
227	63.8	31.5	94.5





#95
Naphthalene
Concen: 46.043 ug/l
RT: 15.641 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

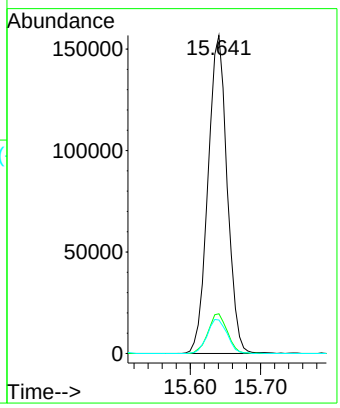
Tgt Ion:128 Resp: 297179

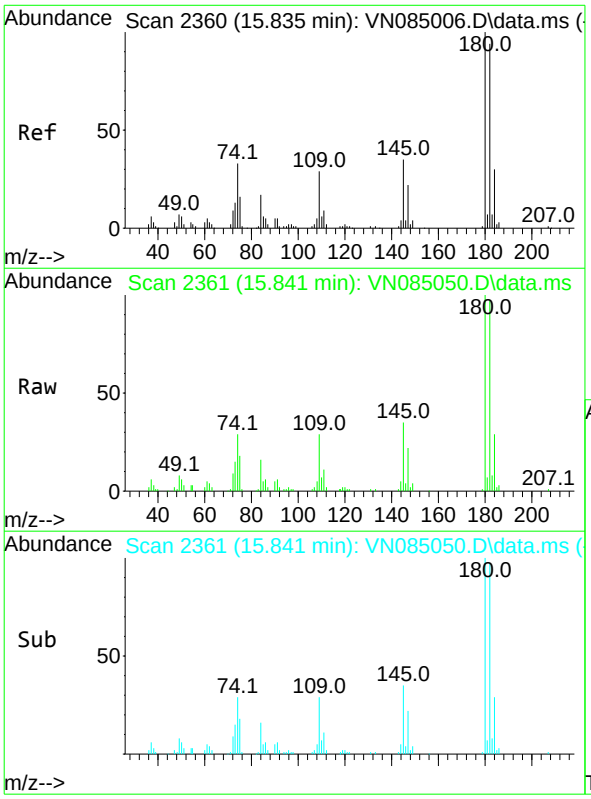
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.6	16.0
129	11.1	8.6	12.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

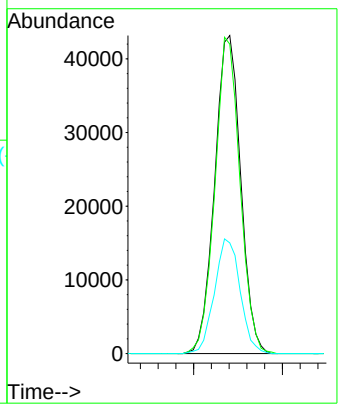




#96
1,2,3-Trichlorobenzene
Concen: 40.579 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:180 Resp: 87745

Ion	Ratio	Lower	Upper
180	100		
182	95.9	46.4	139.2
145	35.6	17.3	52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085050.D
Acq On : 26 Nov 2024 18:12
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 27 05:19:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	94	0.00
2	T	Dichlorodifluoromethane	0.565	0.511	9.6	86	0.00
3	P	Chloromethane	0.656	0.535	18.4	85	0.00
4	C	Vinyl Chloride	0.589	0.517	12.2#	84	0.00
5	T	Bromomethane	0.330	0.277	16.1	84	0.00
6	T	Chloroethane	0.397	0.343	13.6	85	0.00
7	T	Trichlorofluoromethane	1.002	0.937	6.5	91	0.00
8	T	Diethyl Ether	0.341	0.344	-0.9	93	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.569	0.533	6.3	91	0.00
10	T	Methyl Iodide	0.753	0.724	3.9	91	0.00
11	T	Tert butyl alcohol	0.095	0.120	-26.3#	125	0.00
12	CM	1,1-Dichloroethene	0.531	0.504	5.1#	90	0.00
13	T	Acrolein	0.064	0.117	-82.8#	158#	0.00
14	T	Allyl chloride	0.895	0.861	3.8	91	0.00
15	T	Acrylonitrile	0.269	0.293	-8.9	105	0.00
16	T	Acetone	0.207	0.256	-23.7	118	0.00
17	T	Carbon Disulfide	1.566	1.265	19.2	81	0.00
18	T	Methyl Acetate	0.804	0.770	4.2	110	0.00
19	T	Methyl tert-butyl Ether	1.734	1.803	-4.0	96	0.00
20	T	Methylene Chloride	0.633	0.580	8.4	93	0.00
21	T	trans-1,2-Dichloroethene	0.558	0.512	8.2	86	0.00
22	T	Diisopropyl ether	1.801	1.795	0.3	95	0.00
23	T	Vinyl Acetate	1.242	1.343	-8.1	97	0.00
24	P	1,1-Dichloroethane	1.078	1.035	4.0	93	0.00
25	T	2-Butanone	0.339	0.394	-16.2	112	0.00
26	T	2,2-Dichloropropane	1.006	0.951	5.5	90	0.00
27	T	cis-1,2-Dichloroethene	0.673	0.647	3.9	93	0.00
28	T	Bromochloromethane	0.407	0.399	2.0	95	0.00
29	T	Tetrahydrofuran	0.211	0.246	-16.6	108	0.00
30	C	Chloroform	1.146	1.082	5.6#	93	0.00
31	T	Cyclohexane	0.949	0.829	12.6	88	0.00
32	T	1,1,1-Trichloroethane	1.036	1.005	3.0	93	0.00
33	S	1,2-Dichloroethane-d4	0.712	0.648	9.0	86	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	94	0.00
35	S	Dibromofluoromethane	0.337	0.302	10.4	84	0.00
36	T	1,1-Dichloropropene	0.457	0.424	7.2	88	0.00
37	T	Ethyl Acetate	0.415	0.454	-9.4	106	0.00
38	T	Carbon Tetrachloride	0.527	0.512	2.8	91	0.00
39	T	Methylcyclohexane	0.475	0.445	6.3	83	0.00
40	TM	Benzene	1.444	1.390	3.7	92	0.00
41	T	Methacrylonitrile	0.230	0.245	-6.5	100	0.00
42	TM	1,2-Dichloroethane	0.494	0.481	2.6	95	0.00
43	T	Isopropyl Acetate	0.862	1.076	-24.8	135	0.00
44	TM	Trichloroethene	0.336	0.313	6.8	91	0.00
45	C	1,2-Dichloropropane	0.356	0.339	4.8#	92	0.00
46	T	Dibromomethane	0.247	0.243	1.6	94	0.00
47	T	Bromodichloromethane	0.524	0.525	-0.2	95	0.00
48	T	Methyl methacrylate	0.321	0.358	-11.5	103	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085050.D
Acq On : 26 Nov 2024 18:12
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 27 05:19:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.007	-16.7	111	0.00
50	S	Toluene-d8	1.208	1.096	9.3	83	0.00
51	T	4-Methyl-2-Pentanone	0.394	0.473	-20.1	110	0.00
52	CM	Toluene	0.855	0.857	-0.2#	91	0.00
53	T	t-1,3-Dichloropropene	0.525	0.525	0.0	90	0.00
54	T	cis-1,3-Dichloropropene	0.557	0.550	1.3	90	0.00
55	T	1,1,2-Trichloroethane	0.319	0.334	-4.7	98	0.00
56	T	Ethyl methacrylate	0.465	0.539	-15.9	98	0.00
57	T	1,3-Dichloropropane	0.561	0.569	-1.4	96	0.00
58	T	2-Chloroethyl Vinyl ether	0.228	0.278	-21.9	97	0.00
59	T	2-Hexanone	0.295	0.356	-20.7	108	0.00
60	T	Dibromochloromethane	0.389	0.395	-1.5	97	0.00
61	T	1,2-Dibromoethane	0.330	0.334	-1.2	96	0.00
62	S	4-Bromofluorobenzene	0.452	0.424	6.2	86	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
64	T	Tetrachloroethene	0.337	0.302	10.4	90	0.00
65	PM	Chlorobenzene	1.134	1.033	8.9	93	0.00
66	T	1,1,1,2-Tetrachloroethane	0.399	0.389	2.5	96	0.00
67	C	Ethyl Benzene	1.840	1.825	0.8#	92	0.00
68	T	m/p-Xylenes	0.700	0.697	0.4	93	0.00
69	T	o-Xylene	0.666	0.677	-1.7	94	0.00
70	T	Styrene	1.108	1.157	-4.4	95	0.00
71	P	Bromoform	0.296	0.301	-1.7	95	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
73	T	Isopropylbenzene	3.527	3.375	4.3	94	0.00
74	T	N-amyl acetate	1.454	1.529	-5.2	100	0.00
75	P	1,1,2,2-Tetrachloroethane	1.204	1.111	7.7	102	0.00
76	T	1,2,3-Trichloropropane	0.909	1.023	-12.5	115	0.00
77	T	Bromobenzene	0.949	0.831	12.4	92	0.00
78	T	n-propylbenzene	4.068	3.895	4.3	93	0.00
79	T	2-Chlorotoluene	2.716	2.470	9.1	94	0.00
80	T	1,3,5-Trimethylbenzene	2.960	2.931	1.0	95	0.00
81	T	trans-1,4-Dichloro-2-butene	0.412	0.404	1.9	101	0.00
82	T	4-Chlorotoluene	2.827	2.467	12.7	90	0.00
83	T	tert-Butylbenzene	2.547	2.473	2.9	95	0.00
84	T	1,2,4-Trimethylbenzene	3.047	2.921	4.1	92	0.00
85	T	sec-Butylbenzene	3.440	3.293	4.3	91	0.00
86	T	p-Isopropyltoluene	2.840	2.767	2.6	91	0.00
87	T	1,3-Dichlorobenzene	1.872	1.512	19.2	89	0.00
88	T	1,4-Dichlorobenzene	1.911	1.524	20.3	88	0.00
89	T	n-Butylbenzene	2.641	2.244	15.0	85	0.00
90	T	Hexachloroethane	0.619	0.554	10.5	93	0.00
91	T	1,2-Dichlorobenzene	1.794	1.553	13.4	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.237	-1.7	110	0.00
93	T	1,2,4-Trichlorobenzene	0.975	0.769	21.1	87	0.00
94	T	Hexachlorobutadiene	0.450	0.353	21.6	89	0.00
95	T	Naphthalene	2.776	2.556	7.9	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085050.D
Acq On : 26 Nov 2024 18:12
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 27 05:19:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.930	0.755	18.8	85	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085050.D
Acq On : 26 Nov 2024 18:12
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 27 05:19:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	94	0.00
2	T	Dichlorodifluoromethane	50.000	45.208	9.6	86	0.00
3	P	Chloromethane	50.000	40.798	18.4	85	0.00
4	C	Vinyl Chloride	50.000	43.898	12.2#	84	0.00
5	T	Bromomethane	50.000	41.935	16.1	84	0.00
6	T	Chloroethane	50.000	43.141	13.7	85	0.00
7	T	Trichlorofluoromethane	50.000	46.743	6.5	91	0.00
8	T	Diethyl Ether	50.000	50.388	-0.8	93	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	46.865	6.3	91	0.00
10	T	Methyl Iodide	50.000	48.128	3.7	91	0.00
11	T	Tert butyl alcohol	250.000	315.304	-26.1#	125	0.00
12	CM	1,1-Dichloroethene	50.000	47.476	5.0#	90	0.00
13	T	Acrolein	250.000	462.414	-85.0#	158	0.00
14	T	Allyl chloride	50.000	48.111	3.8	91	0.00
15	T	Acrylonitrile	250.000	271.892	-8.8	105	0.00
16	T	Acetone	250.000	308.090	-23.2	118	0.00
17	T	Carbon Disulfide	50.000	40.363	19.3	81	0.00
18	T	Methyl Acetate	50.000	58.248	-16.5	110	0.00
19	T	Methyl tert-butyl Ether	50.000	51.977	-4.0	96	0.00
20	T	Methylene Chloride	50.000	45.850	8.3	93	0.00
21	T	trans-1,2-Dichloroethene	50.000	45.797	8.4	86	0.00
22	T	Diisopropyl ether	50.000	49.831	0.3	95	0.00
23	T	Vinyl Acetate	250.000	270.220	-8.1	97	0.00
24	P	1,1-Dichloroethane	50.000	48.028	3.9	93	0.00
25	T	2-Butanone	250.000	290.407	-16.2	112	0.00
26	T	2,2-Dichloropropane	50.000	47.240	5.5	90	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.079	3.8	93	0.00
28	T	Bromochloromethane	50.000	49.035	1.9	95	0.00
29	T	Tetrahydrofuran	250.000	291.291	-16.5	108	0.00
30	C	Chloroform	50.000	47.208	5.6#	93	0.00
31	T	Cyclohexane	50.000	43.698	12.6	88	0.00
32	T	1,1,1-Trichloroethane	50.000	48.507	3.0	93	0.00
33	S	1,2-Dichloroethane-d4	50.000	45.484	9.0	86	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	94	0.00
35	S	Dibromofluoromethane	50.000	44.766	10.5	84	0.00
36	T	1,1-Dichloropropene	50.000	46.366	7.3	88	0.00
37	T	Ethyl Acetate	50.000	54.646	-9.3	106	0.00
38	T	Carbon Tetrachloride	50.000	48.571	2.9	91	0.00
39	T	Methylcyclohexane	50.000	46.916	6.2	83	0.00
40	TM	Benzene	50.000	48.130	3.7	92	0.00
41	T	Methacrylonitrile	50.000	53.226	-6.5	100	0.00
42	TM	1,2-Dichloroethane	50.000	48.696	2.6	95	0.00
43	T	Isopropyl Acetate	50.000	62.355	-24.7	135	0.00
44	TM	Trichloroethene	50.000	46.688	6.6	91	0.00
45	C	1,2-Dichloropropane	50.000	47.681	4.6#	92	0.00
46	T	Dibromomethane	50.000	49.056	1.9	94	0.00
47	T	Bromodichloromethane	50.000	50.146	-0.3	95	0.00
48	T	Methyl methacrylate	50.000	55.737	-11.5	103	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085050.D
Acq On : 26 Nov 2024 18:12
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 27 05:19:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1228.790	-22.9	111	0.00
50	S	Toluene-d8	50.000	45.348	9.3	83	0.00
51	T	4-Methyl-2-Pentanone	250.000	299.877	-20.0	110	0.00
52	CM	Toluene	50.000	50.120	-0.2#	91	0.00
53	T	t-1,3-Dichloropropene	50.000	49.924	0.2	90	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.304	1.4	90	0.00
55	T	1,1,2-Trichloroethane	50.000	52.366	-4.7	98	0.00
56	T	Ethyl methacrylate	50.000	57.909	-15.8	98	0.00
57	T	1,3-Dichloropropane	50.000	50.778	-1.6	96	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	304.919	-22.0	97	0.00
59	T	2-Hexanone	250.000	301.875	-20.8	108	0.00
60	T	Dibromochloromethane	50.000	50.705	-1.4	97	0.00
61	T	1,2-Dibromoethane	50.000	50.598	-1.2	96	0.00
62	S	4-Bromofluorobenzene	50.000	46.887	6.2	86	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	98	0.00
64	T	Tetrachloroethene	50.000	44.830	10.3	90	0.00
65	PM	Chlorobenzene	50.000	45.570	8.9	93	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	48.750	2.5	96	0.00
67	C	Ethyl Benzene	50.000	49.599	0.8#	92	0.00
68	T	m/p-Xylenes	100.000	99.579	0.4	93	0.00
69	T	o-Xylene	50.000	50.796	-1.6	94	0.00
70	T	Styrene	50.000	52.202	-4.4	95	0.00
71	P	Bromoform	50.000	50.776	-1.6	95	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	102	0.00
73	T	Isopropylbenzene	50.000	47.841	4.3	94	0.00
74	T	N-amyl acetate	50.000	52.610	-5.2	100	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	46.111	7.8	102	0.00
76	T	1,2,3-Trichloropropane	50.000	56.224	-12.4	115	0.00
77	T	Bromobenzene	50.000	43.792	12.4	92	0.00
78	T	n-propylbenzene	50.000	47.866	4.3	93	0.00
79	T	2-Chlorotoluene	50.000	45.474	9.1	94	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.508	1.0	95	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.081	1.8	101	0.00
82	T	4-Chlorotoluene	50.000	43.625	12.8	90	0.00
83	T	tert-Butylbenzene	50.000	48.549	2.9	95	0.00
84	T	1,2,4-Trimethylbenzene	50.000	47.943	4.1	92	0.00
85	T	sec-Butylbenzene	50.000	47.862	4.3	91	0.00
86	T	p-Isopropyltoluene	50.000	48.719	2.6	91	0.00
87	T	1,3-Dichlorobenzene	50.000	40.389	19.2	89	0.00
88	T	1,4-Dichlorobenzene	50.000	39.875	20.3	88	0.00
89	T	n-Butylbenzene	50.000	42.490	15.0	85	0.00
90	T	Hexachloroethane	50.000	44.778	10.4	93	0.00
91	T	1,2-Dichlorobenzene	50.000	43.280	13.4	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.973	-1.9	110	0.00
93	T	1,2,4-Trichlorobenzene	50.000	39.459	21.1	87	0.00
94	T	Hexachlorobutadiene	50.000	39.268	21.5	89	0.00
95	T	Naphthalene	50.000	46.043	7.9	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085050.D
Acq On : 26 Nov 2024 18:12
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 27 05:19:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	40.579	18.8	85	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

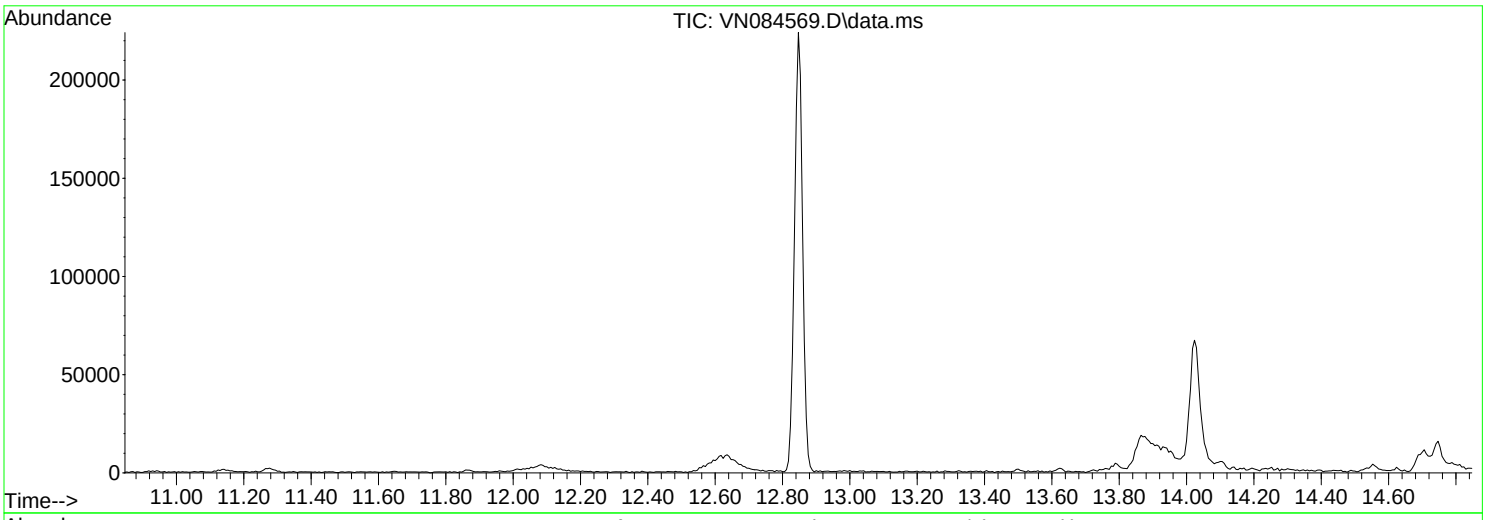
QC SAMPLE DATA

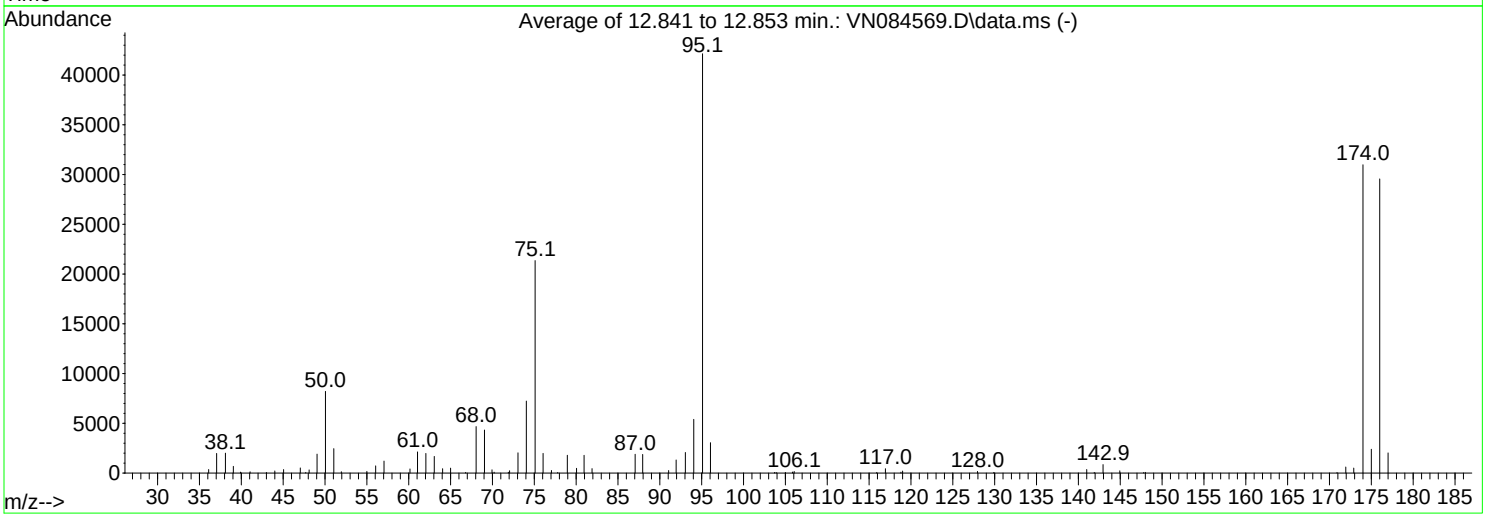
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084569.D
Acq On : 30 Oct 2024 10:42
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260
Last Update : Thu Oct 31 18:45:38 2024





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

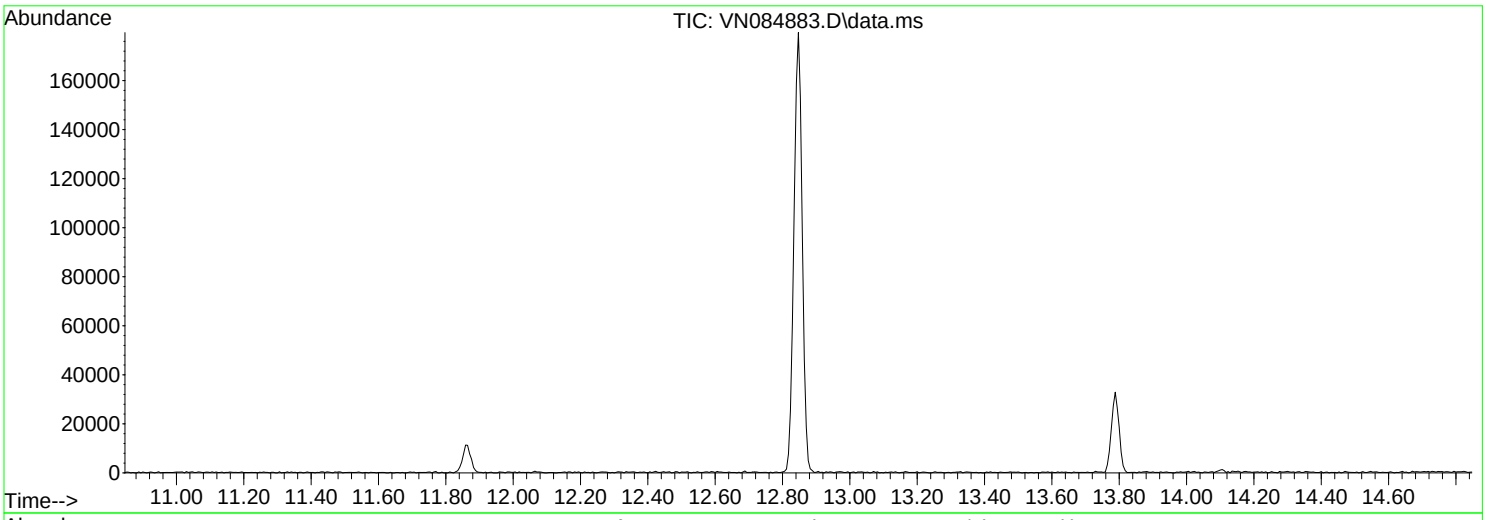
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.5	8210	PASS
75	95	30	60	50.7	21357	PASS
95	95	100	100	100.0	42141	PASS
96	95	5	9	7.2	3053	PASS
173	174	0.00	2	1.6	502	PASS
174	95	50	100	73.5	30984	PASS
175	174	5	9	7.7	2392	PASS
176	174	95	101	95.4	29560	PASS
177	176	5	9	6.9	2026	PASS

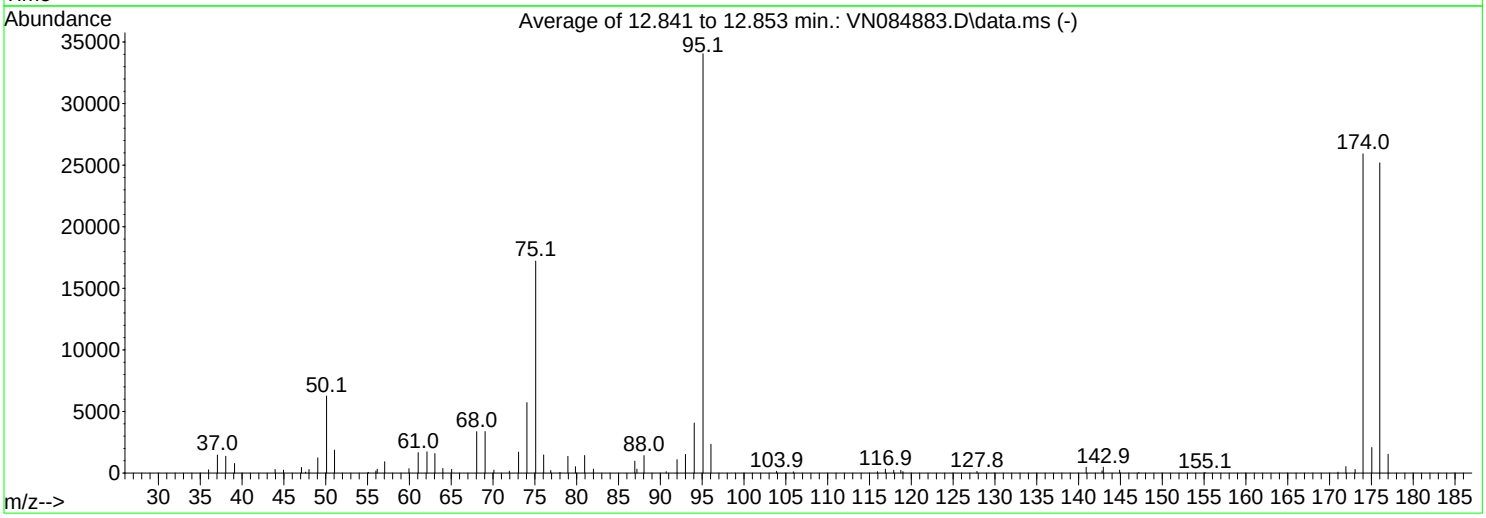
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084883.D
Acq On : 17 Nov 2024 10:03
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260
Last Update : Thu Oct 31 18:45:38 2024





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

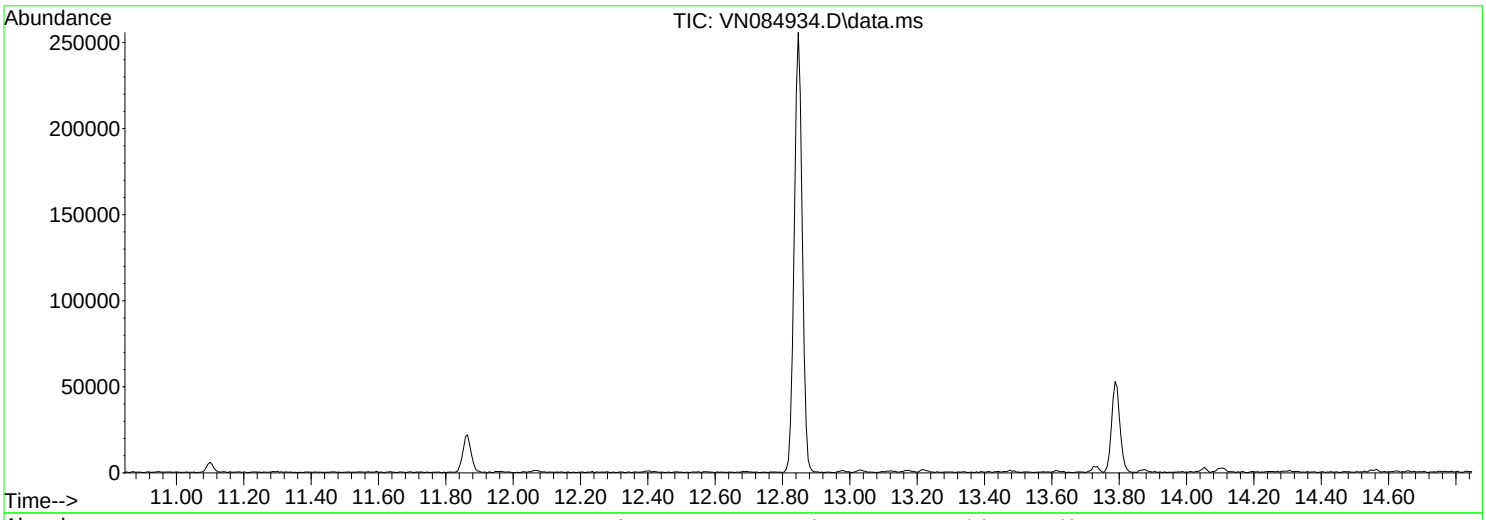
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.4	6255	PASS
75	95	30	60	50.6	17216	PASS
95	95	100	100	100.0	34048	PASS
96	95	5	9	6.9	2344	PASS
173	174	0.00	2	1.1	298	PASS
174	95	50	100	76.1	25923	PASS
175	174	5	9	8.0	2075	PASS
176	174	95	101	97.2	25195	PASS
177	176	5	9	6.1	1531	PASS

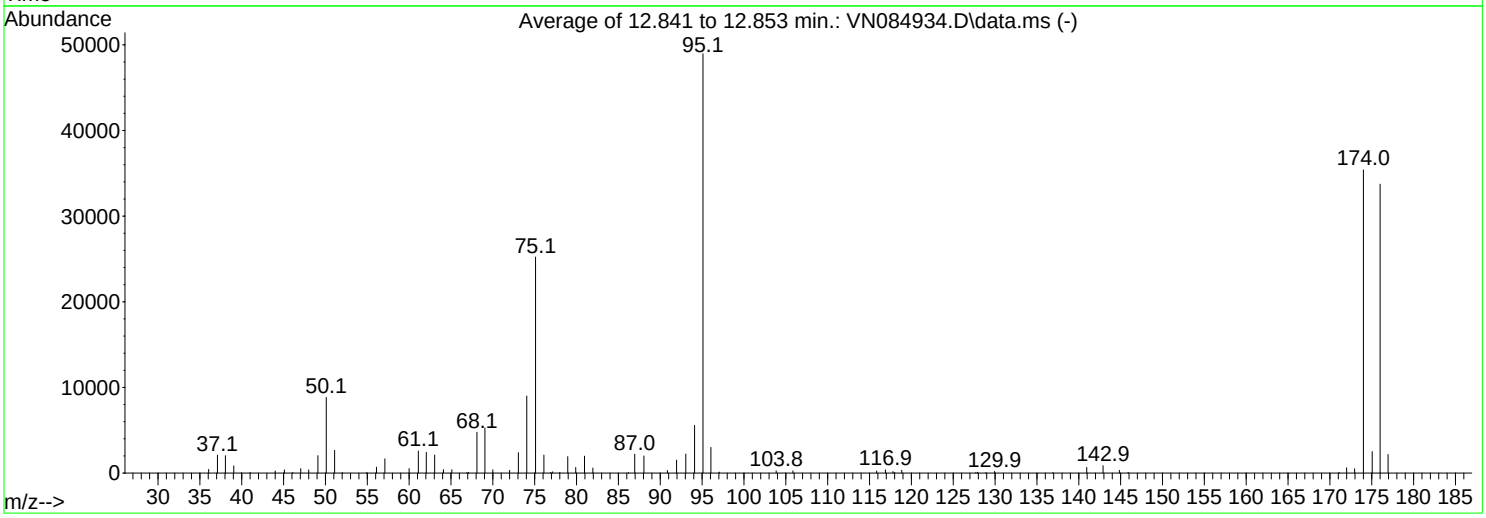
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084934.D
Acq On : 19 Nov 2024 08:15
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260
Last Update : Thu Oct 31 18:45:38 2024





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

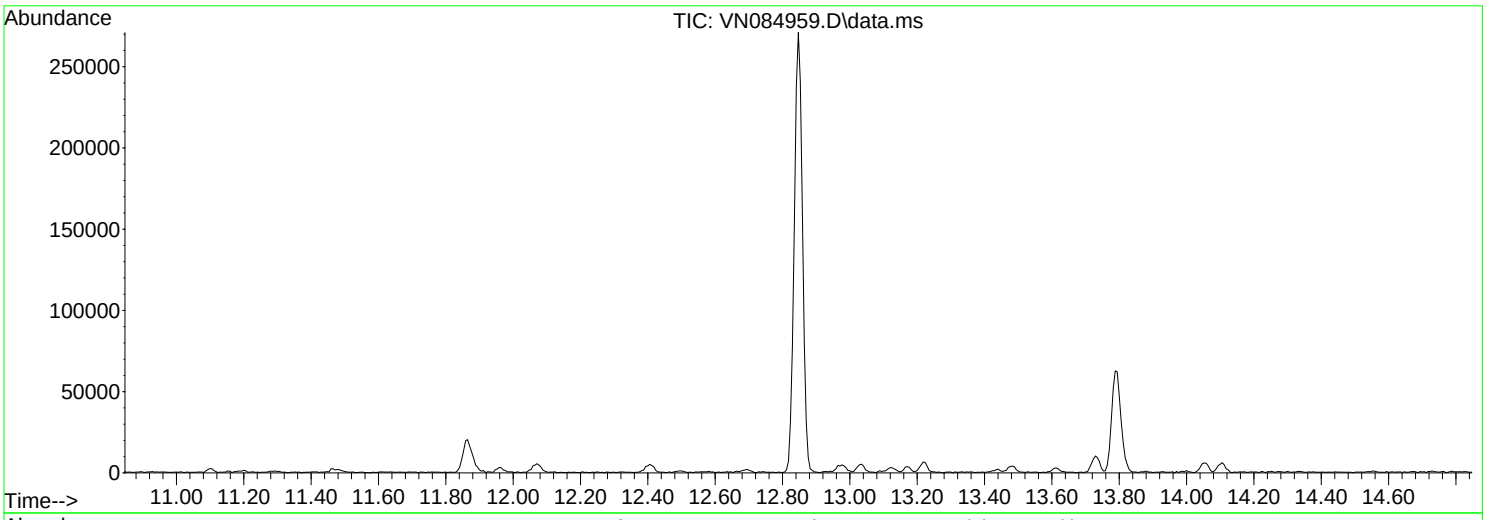
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.0	8832	PASS
75	95	30	60	51.5	25227	PASS
95	95	100	100	100.0	48965	PASS
96	95	5	9	6.1	2998	PASS
173	174	0.00	2	1.4	500	PASS
174	95	50	100	72.3	35400	PASS
175	174	5	9	7.1	2519	PASS
176	174	95	101	95.3	33736	PASS
177	176	5	9	6.4	2170	PASS

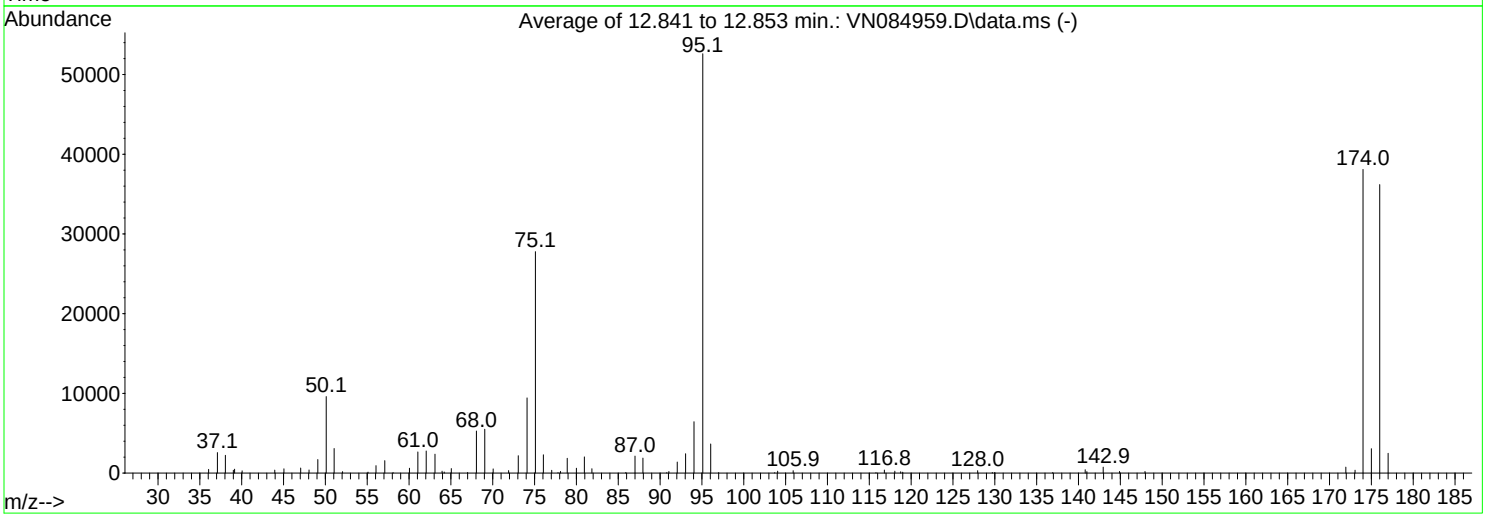
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084959.D
Acq On : 20 Nov 2024 09:51
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260
Last Update : Thu Oct 31 18:45:38 2024





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

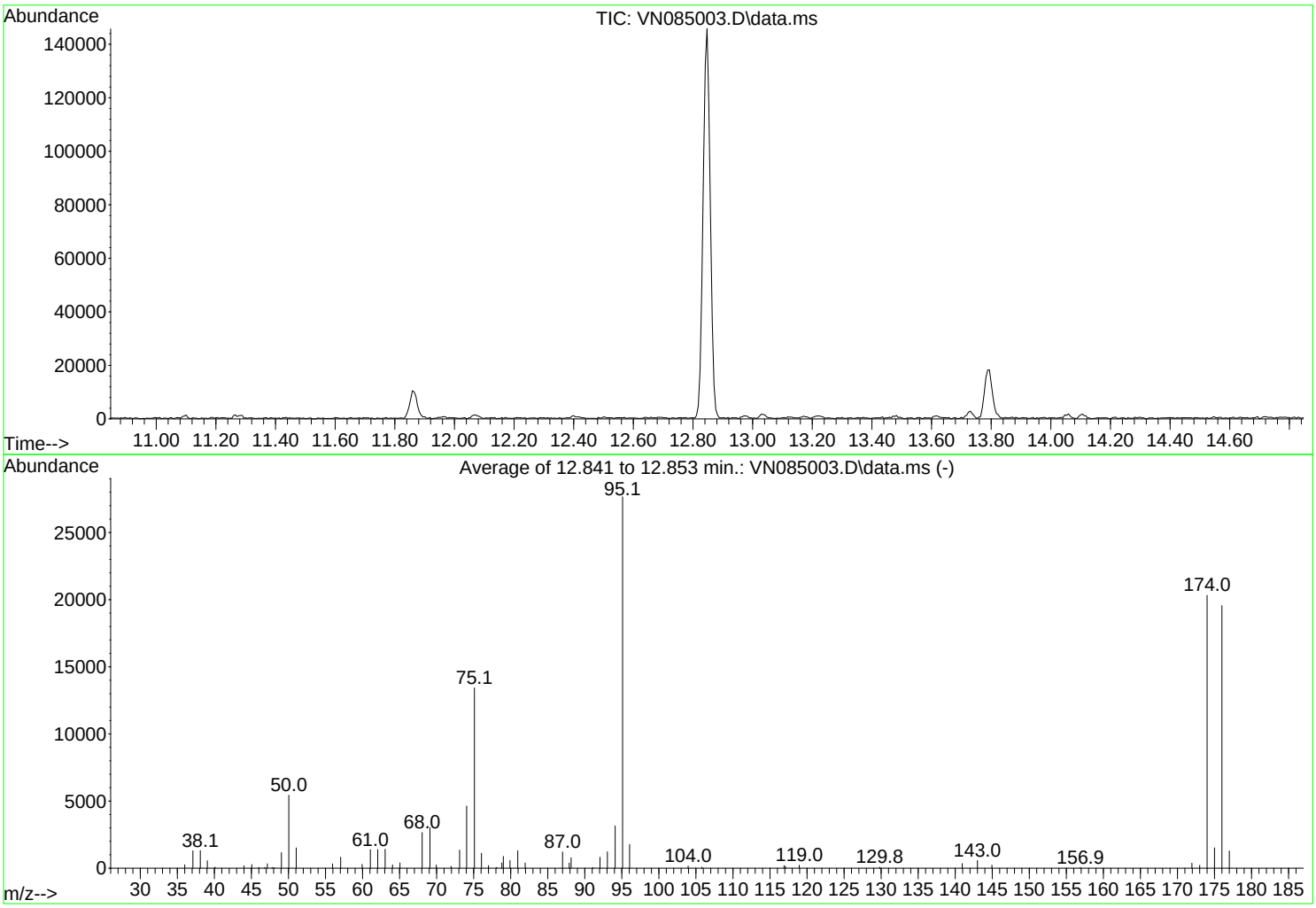
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.3	9603	PASS
75	95	30	60	52.8	27779	PASS
95	95	100	100	100.0	52611	PASS
96	95	5	9	6.9	3649	PASS
173	174	0.00	2	0.9	361	PASS
174	95	50	100	72.4	38096	PASS
175	174	5	9	8.0	3061	PASS
176	174	95	101	95.0	36195	PASS
177	176	5	9	6.9	2485	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085003.D
Acq On : 22 Nov 2024 09:29
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Title : SW846 8260
Last Update : Sat Nov 23 02:54:10 2024



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

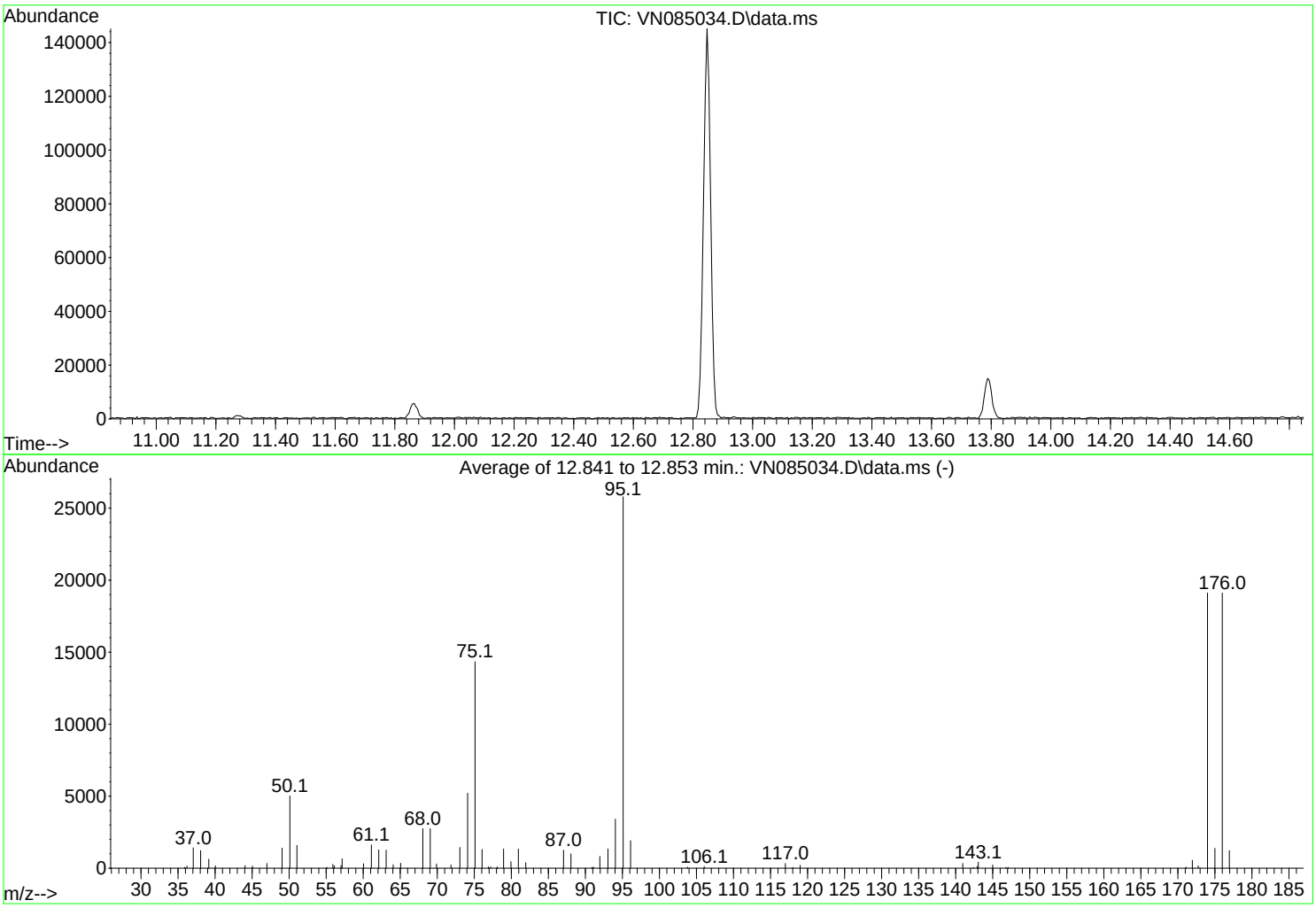
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.7	5439	PASS
75	95	30	60	48.5	13431	PASS
95	95	100	100	100.0	27667	PASS
96	95	5	9	6.4	1766	PASS
173	174	0.00	2	1.1	216	PASS
174	95	50	100	73.5	20325	PASS
175	174	5	9	7.5	1518	PASS
176	174	95	101	96.2	19555	PASS
177	176	5	9	6.6	1282	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085034.D
Acq On : 26 Nov 2024 08:37
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Title : SW846 8260
Last Update : Sat Nov 23 02:54:10 2024



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.4	5016	PASS
75	95	30	60	55.6	14340	PASS
95	95	100	100	100.0	25792	PASS
96	95	5	9	7.4	1916	PASS
173	174	0.00	2	0.9	167	PASS
174	95	50	100	74.1	19109	PASS
175	174	5	9	7.2	1379	PASS
176	174	95	101	100.0	19109	PASS
177	176	5	9	6.4	1218	PASS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VN1117WBL01	SDG No.:	P4845
Lab Sample ID:	VN1117WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084886.D	1		11/17/24 11:26	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VN1117WBL01	SDG No.:	P4845
Lab Sample ID:	VN1117WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084886.D	1		11/17/24 11:26	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.3		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	45.8		89 - 112		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.9		85 - 114		90%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	156000	8.218				
540-36-3	1,4-Difluorobenzene	273000	9.1				
3114-55-4	Chlorobenzene-d5	236000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	105000	13.788				

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VN1117WBL01	SDG No.:	P4845
Lab Sample ID:	VN1117WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084886.D	1		11/17/24 11:26	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084886.D
Acq On : 17 Nov 2024 11:26
Operator : JC\MD
Sample : VN1117WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBL01

Quant Time: Nov 18 00:16:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

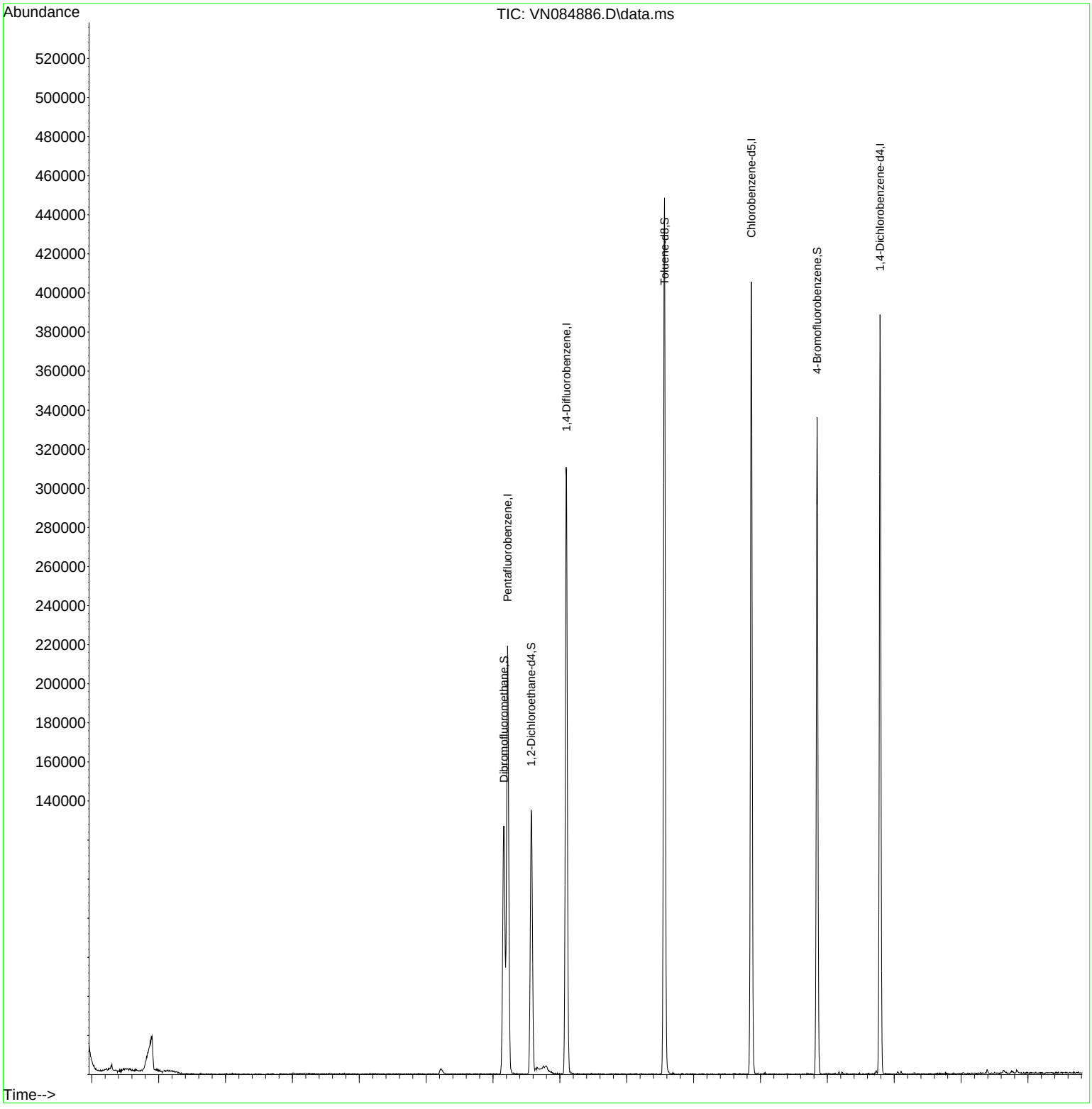
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	155503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	272839	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	236144	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	104526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	115215	51.298	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.600%			
35) Dibromofluoromethane	8.165	113	94278	51.050	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.100%			
50) Toluene-d8	10.565	98	311458	45.783	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.560%			
62) 4-Bromofluorobenzene	12.847	95	114265	44.942	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.880%			
Target Compounds						Qvalue

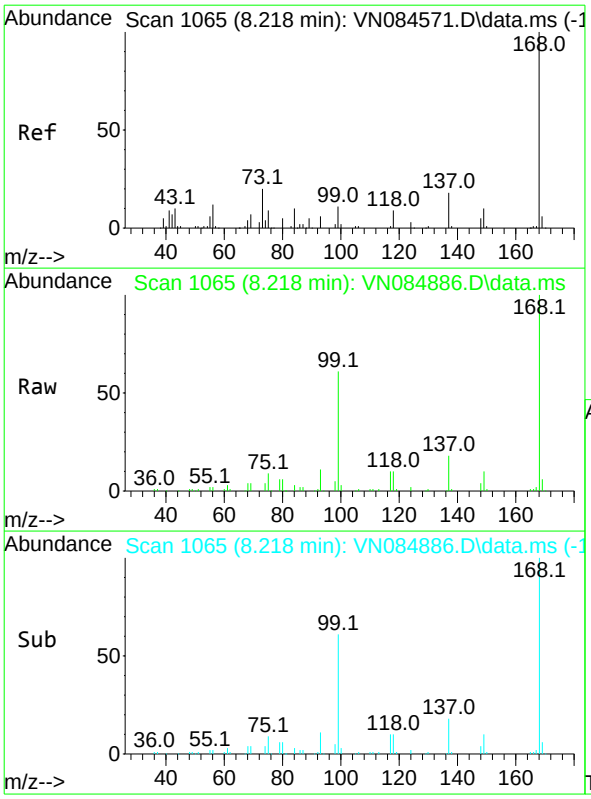
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084886.D
Acq On : 17 Nov 2024 11:26
Operator : JC\MD
Sample : VN1117WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBL01

Quant Time: Nov 18 00:16:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



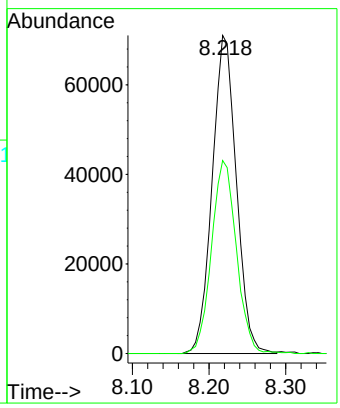


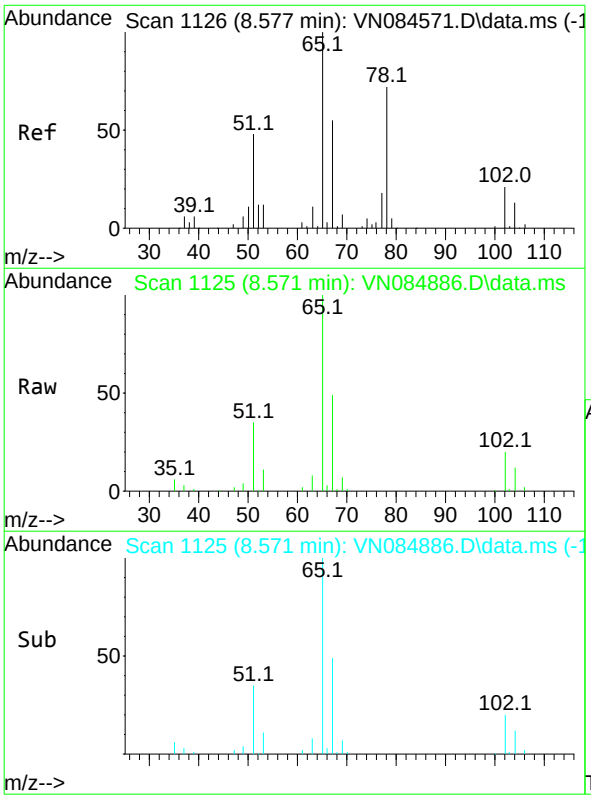
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084886.D
Acq: 17 Nov 2024 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBL01

Tgt Ion:168 Resp: 155503

Ion	Ratio	Lower	Upper
168	100		
99	60.7	54.2	81.2

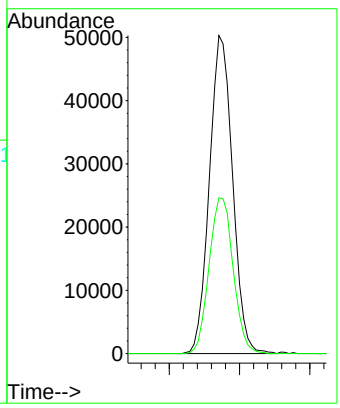


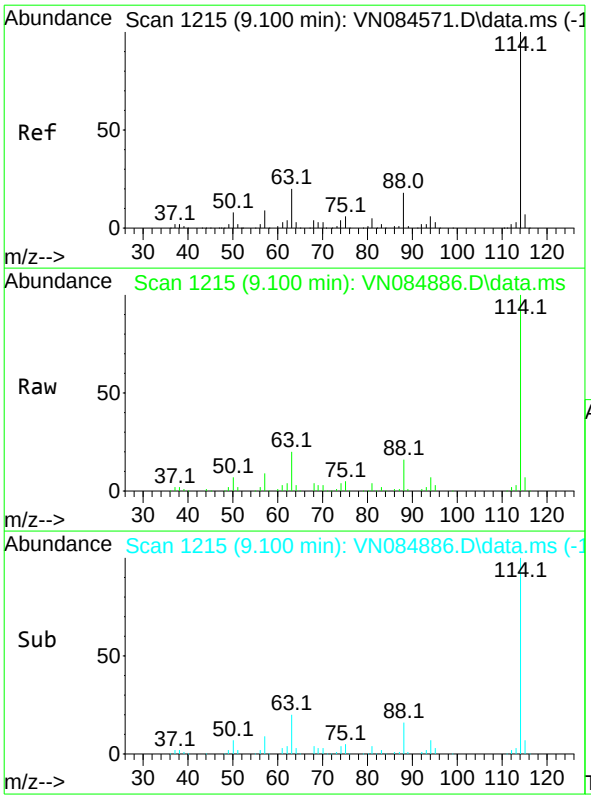


#33
1,2-Dichloroethane-d4
Concen: 51.298 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN084886.D
Acq: 17 Nov 2024 11:26

Tgt Ion: 65 Resp: 115215

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	102.0



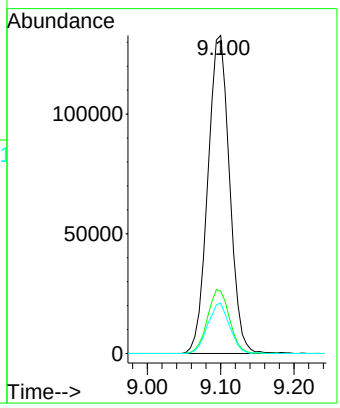


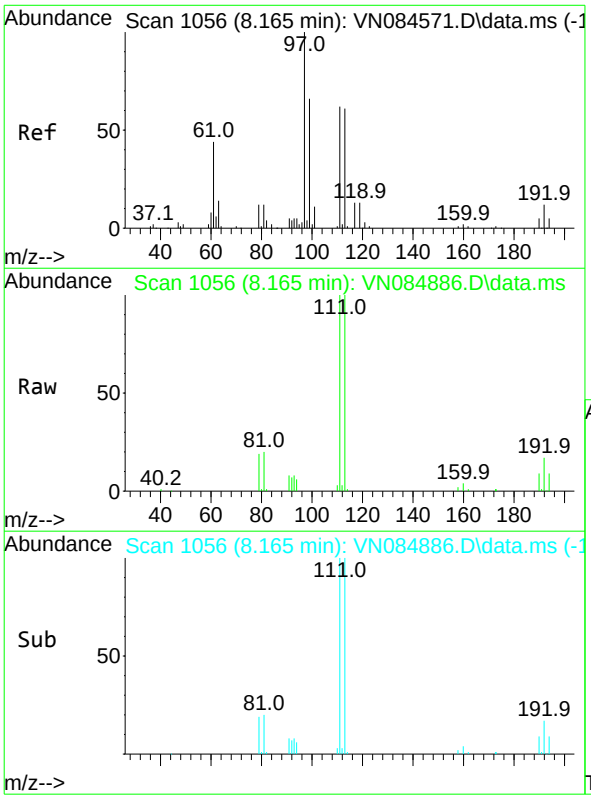
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084886.D
Acq: 17 Nov 2024 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBL01

Tgt Ion:114 Resp: 272839

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	43.8
88	15.8	0.0	31.6

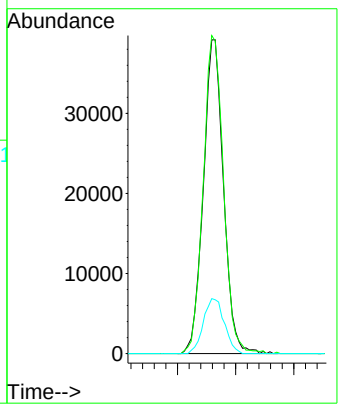


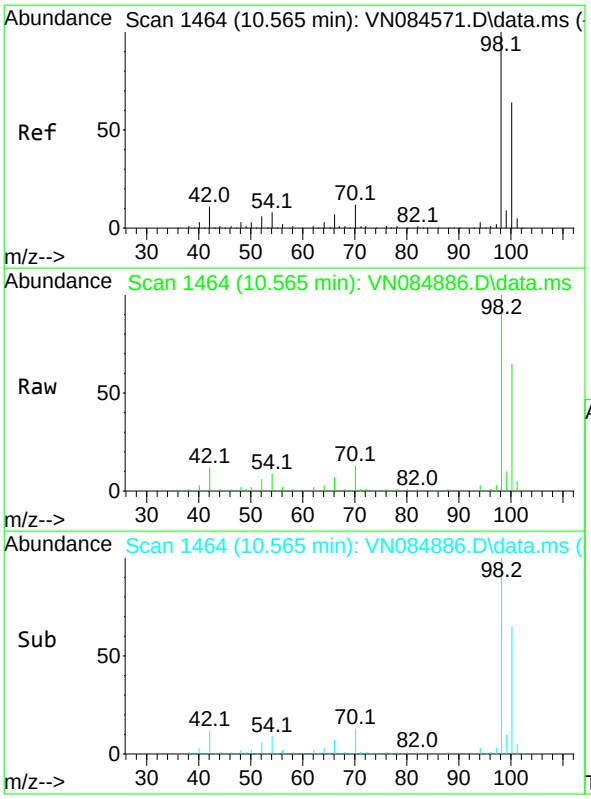


#35
Dibromofluoromethane
Concen: 51.050 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084886.D
Acq: 17 Nov 2024 11:26

Tgt Ion:113 Resp: 94278

Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.3	124.9
192	18.2	13.5	20.3



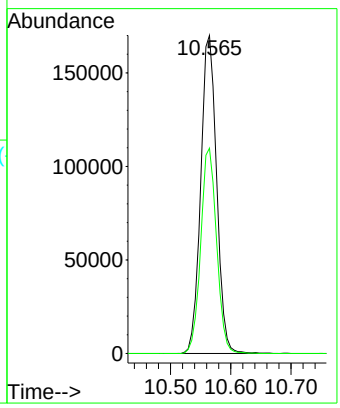


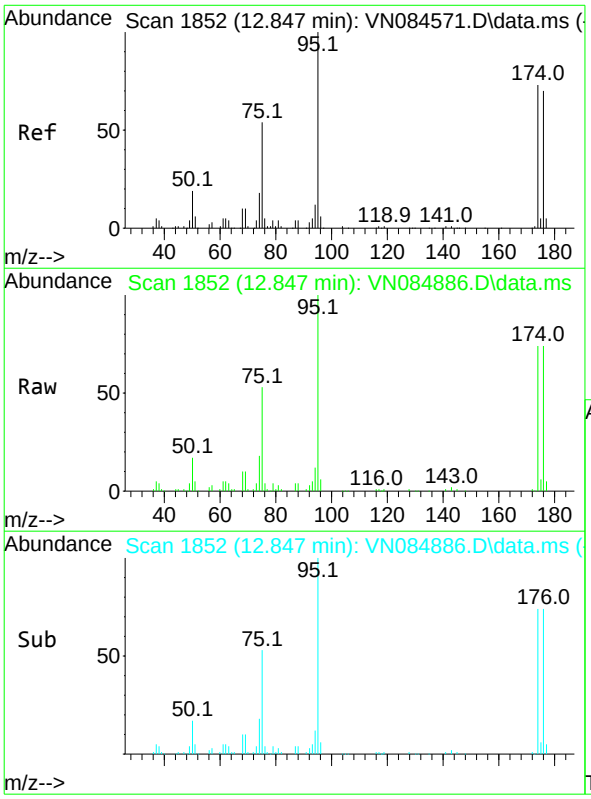
#50
Toluene-d8
Concen: 45.783 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084886.D
Acq: 17 Nov 2024 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBL01

Tgt Ion: 98 Resp: 311458

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.7	79.1

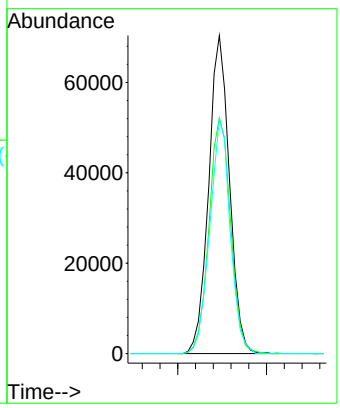


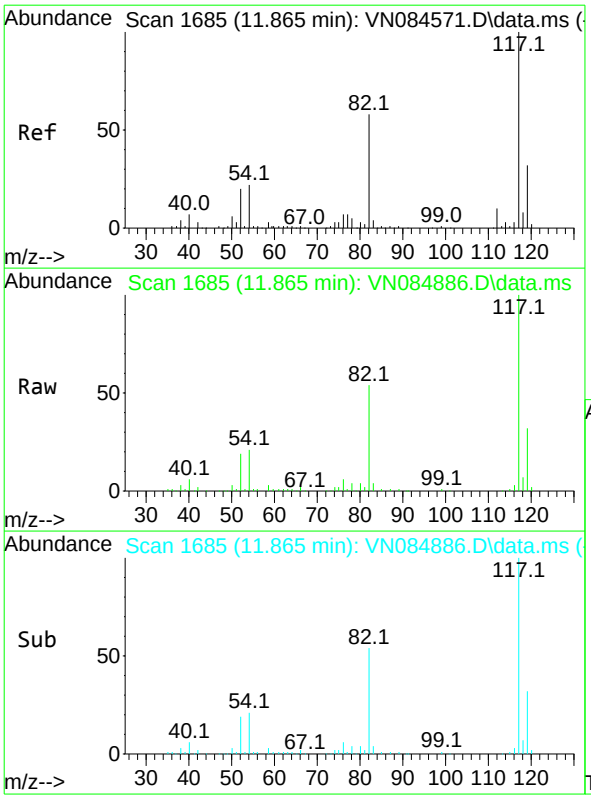


#62
4-Bromofluorobenzene
Concen: 44.942 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084886.D
Acq: 17 Nov 2024 11:26

Tgt Ion: 95 Resp: 114265

Ion	Ratio	Lower	Upper
95	100		
174	77.2	0.0	145.2
176	72.5	0.0	140.0



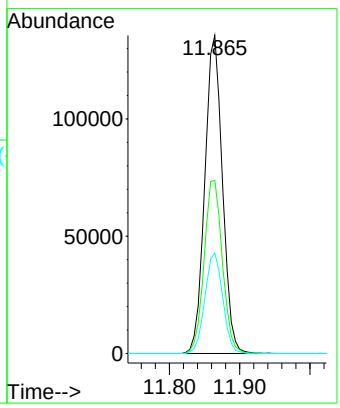


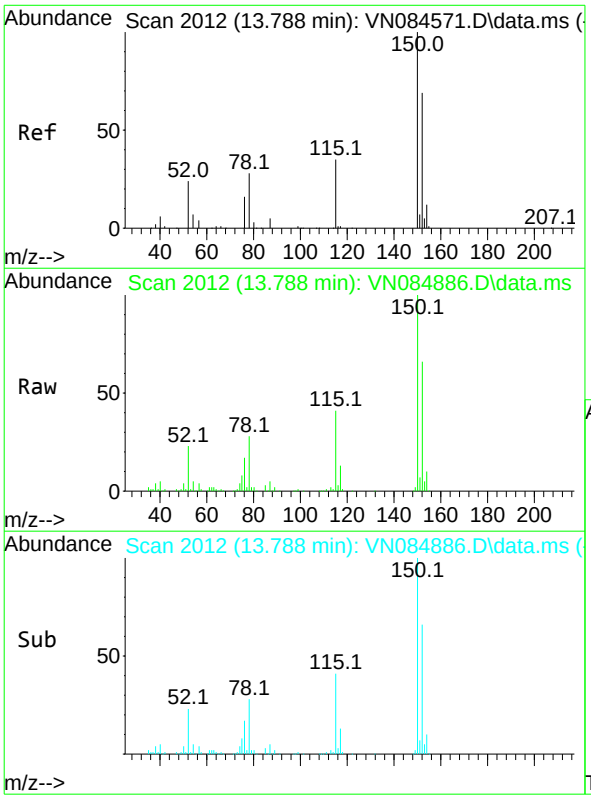
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084886.D
Acq: 17 Nov 2024 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBL01

Tgt Ion:117 Resp: 236144

Ion	Ratio	Lower	Upper
117	100		
82	54.5	47.2	70.8
119	31.6	25.4	38.0

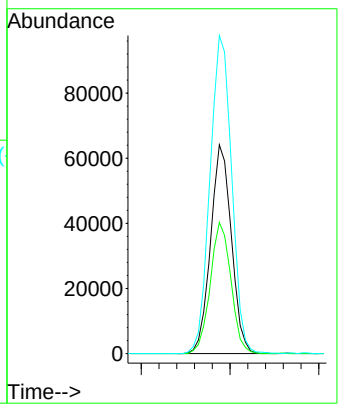




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084886.D
Acq: 17 Nov 2024 11:26

Tgt Ion:152 Resp: 104526

Ion	Ratio	Lower	Upper
152	100		
115	62.2	31.3	93.9
150	158.6	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084886.D
Acq On : 17 Nov 2024 11:26
Operator : JC\MD
Sample : VN1117WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084886.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.877	136	157	158	rBV8	15557	55792	6.85%	1.238%
2	8.159	1046	1055	1060	rBV	127119	307925	37.80%	6.830%
3	8.218	1060	1065	1077	rVB	218916	478855	58.78%	10.622%
4	8.571	1117	1125	1134	rBV	134854	304602	37.39%	6.757%
5	9.094	1204	1214	1225	rBV	310727	636836	78.18%	14.126%
6	10.565	1455	1464	1478	rBV	448722	814591	100.00%	18.069%
7	11.865	1677	1685	1698	rVB	405606	719250	88.30%	15.954%
8	12.847	1845	1852	1860	rBV	336151	548510	67.34%	12.167%
9	13.788	2005	2012	2024	rVB	388790	641781	78.79%	14.236%

Sum of corrected areas: 4508142

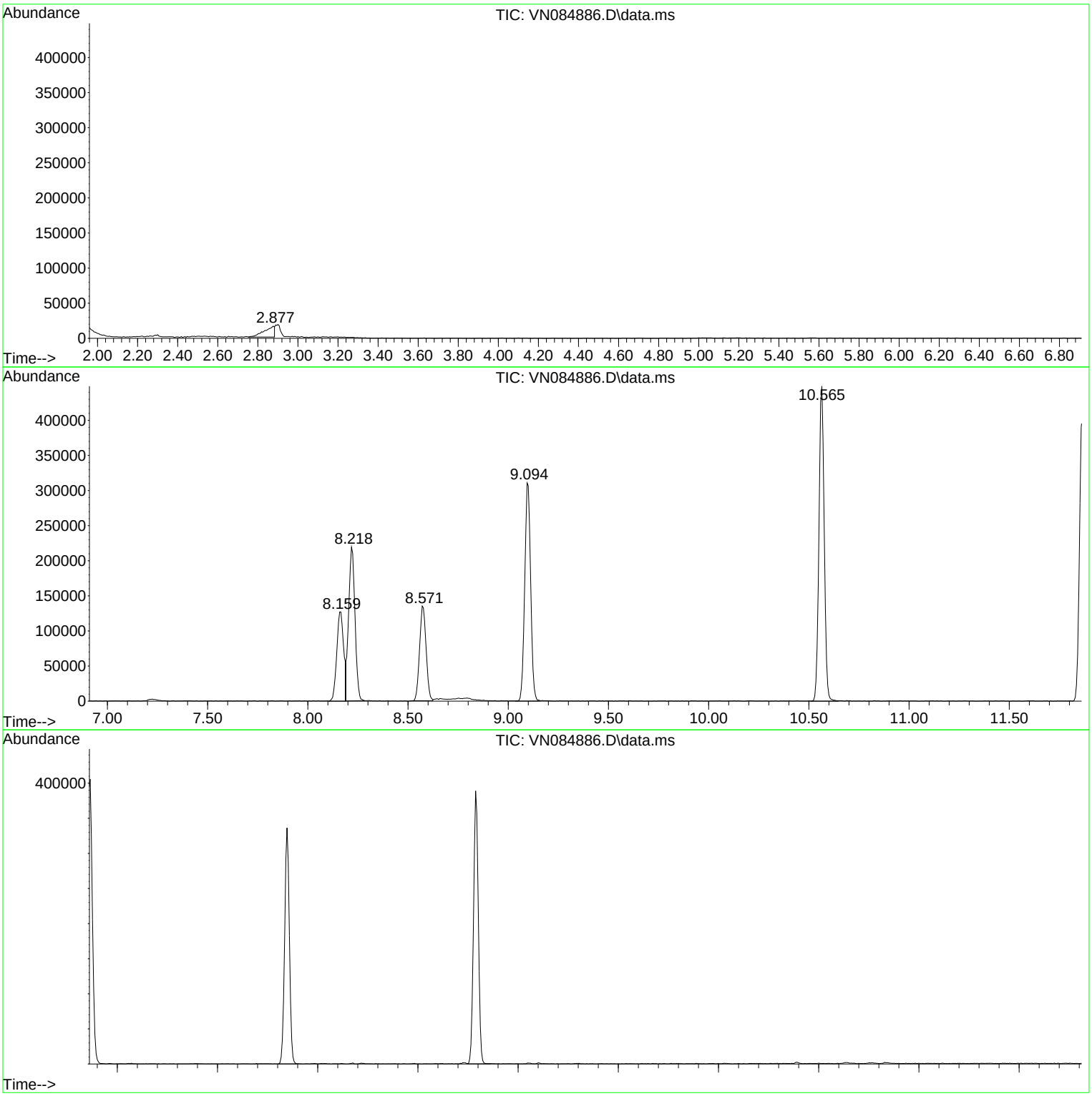
Sample Results: **VN084886.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084886.D
Acq On : 17 Nov 2024 11:26
Operator : JC\MD
Sample : VN1117WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084886.D
Acq On : 17 Nov 2024 11:26
Operator : JC\MD
Sample : VN1117WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084886.D
Acq On : 17 Nov 2024 11:26
Operator : JC\MD
Sample : VN1117WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VN1119WBL01	SDG No.:	P4845
Lab Sample ID:	VN1119WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084937.D	1		11/19/24 11:07	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VN1119WBL01	SDG No.:	P4845
Lab Sample ID:	VN1119WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084937.D	1		11/19/24 11:07	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.3		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	46.5		89 - 112		93%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.9		85 - 114		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	194000	8.218				
540-36-3	1,4-Difluorobenzene	347000	9.1				
3114-55-4	Chlorobenzene-d5	301000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	128000	13.788				

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Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VN1119WBL01	SDG No.:	P4845
Lab Sample ID:	VN1119WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084937.D	1		11/19/24 11:07	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084937.D
Acq On : 19 Nov 2024 11:07
Operator : JC\MD
Sample : VN1119WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBL01

Quant Time: Nov 20 00:22:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

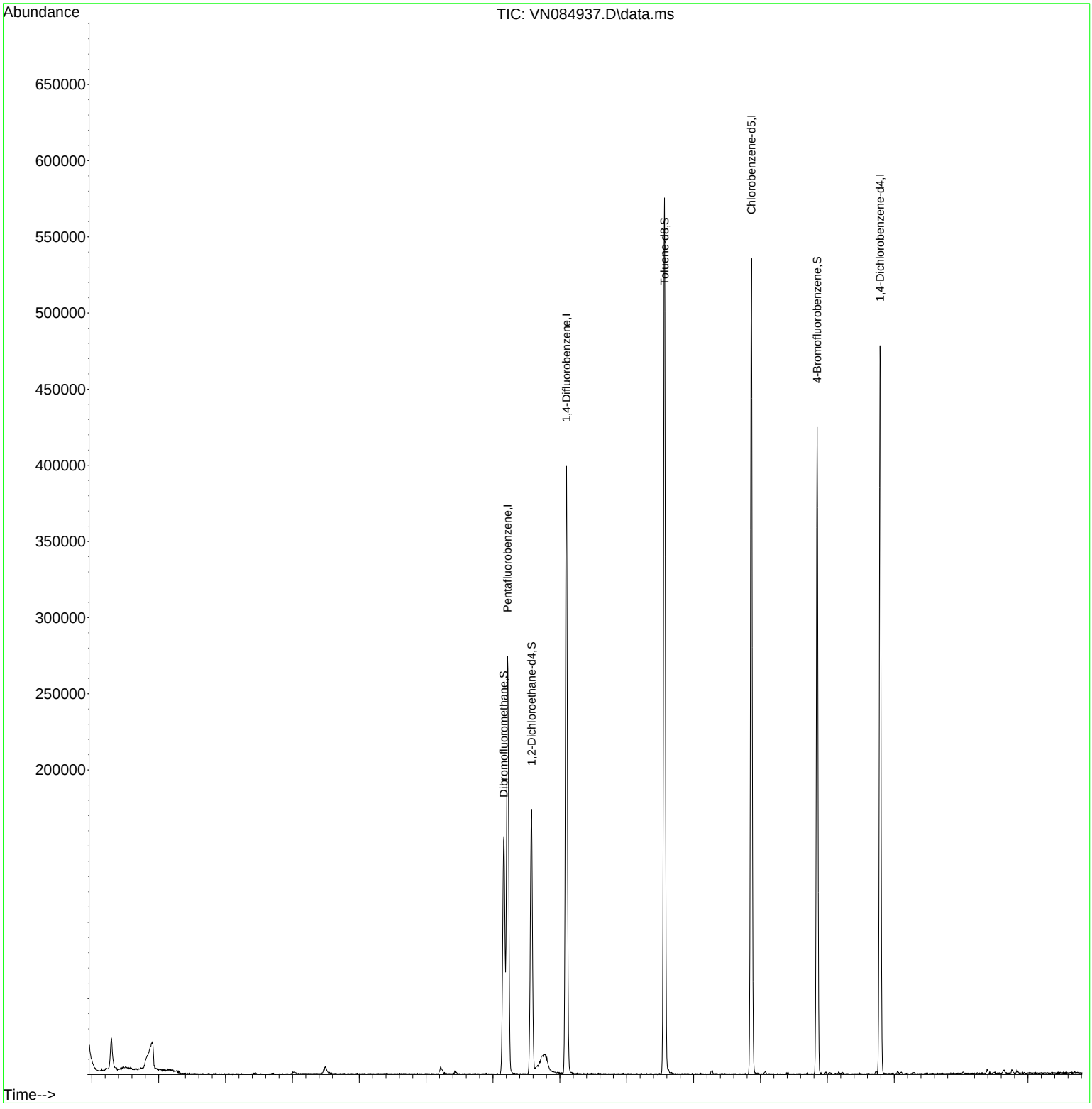
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	193589	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	346862	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	301411	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	128229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	143523	51.330	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.660%			
35) Dibromofluoromethane	8.159	113	113721	48.436	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.880%			
50) Toluene-d8	10.565	98	402345	46.521	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.040%			
62) 4-Bromofluorobenzene	12.847	95	148211	45.853	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.700%			
Target Compounds						Qvalue

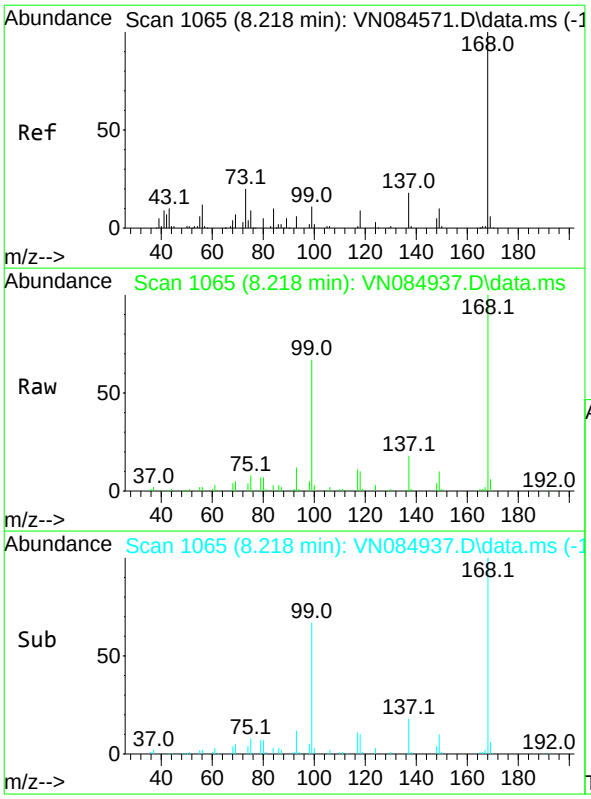
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084937.D
Acq On : 19 Nov 2024 11:07
Operator : JC\MD
Sample : VN1119WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBL01

Quant Time: Nov 20 00:22:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



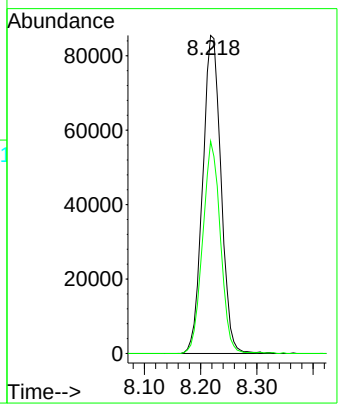


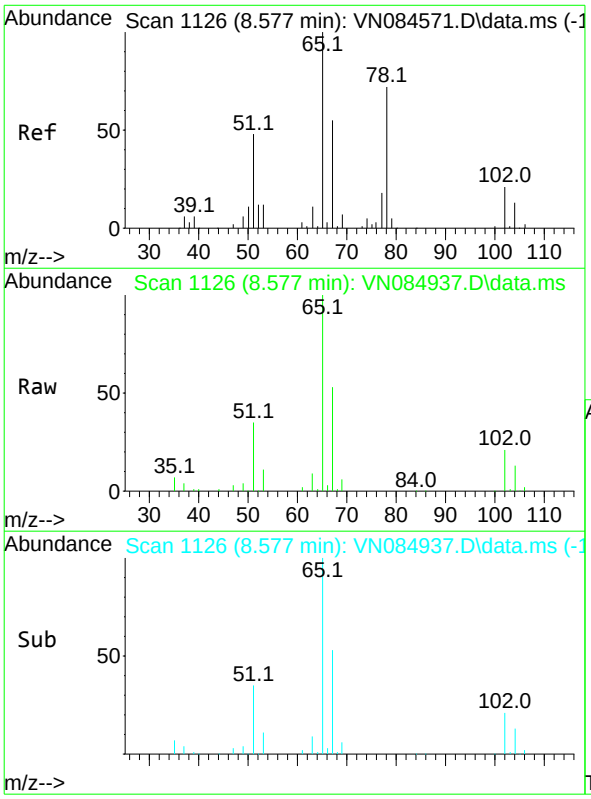
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084937.D
Acq: 19 Nov 2024 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBL01

Tgt Ion:168 Resp: 193589

Ion	Ratio	Lower	Upper
168	100		
99	66.7	54.2	81.2

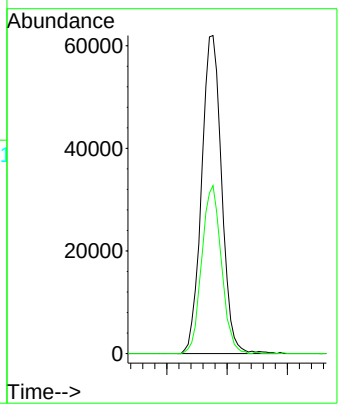


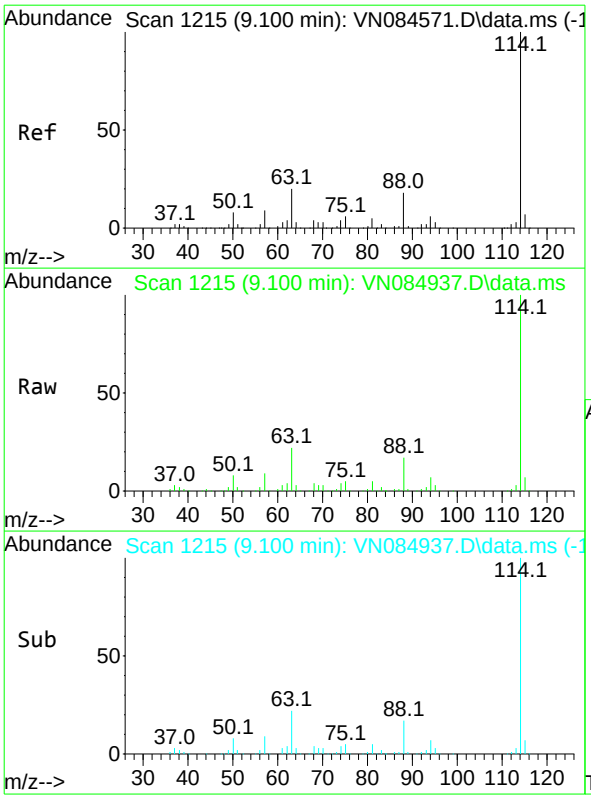


#33
1,2-Dichloroethane-d4
Concen: 51.330 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084937.D
Acq: 19 Nov 2024 11:07

Tgt Ion: 65 Resp: 143523

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	102.0



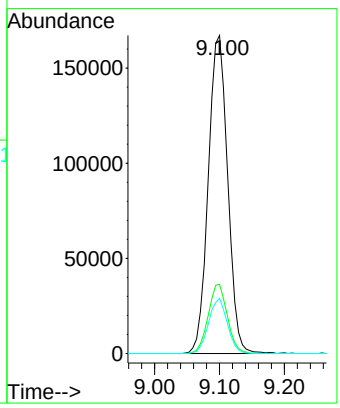


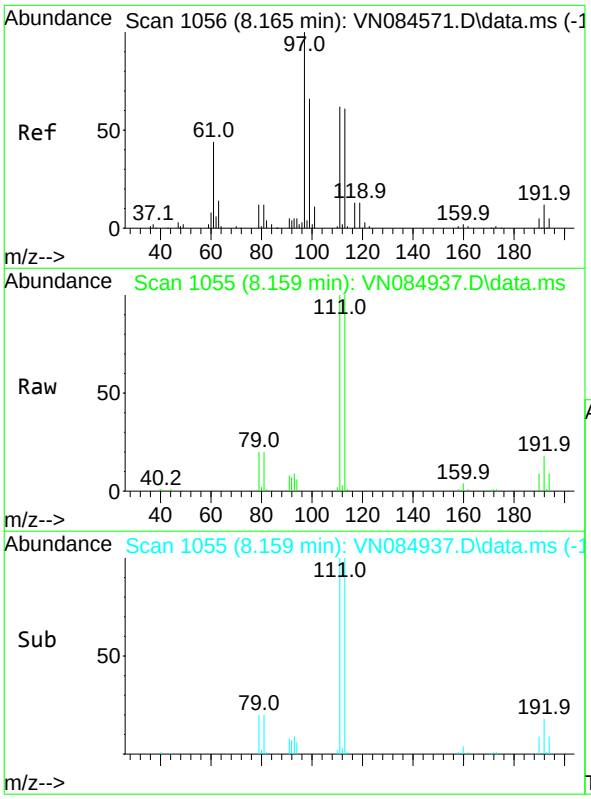
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084937.D
Acq: 19 Nov 2024 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBL01

Tgt Ion:114 Resp: 346862

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	43.8
88	17.4	0.0	31.6

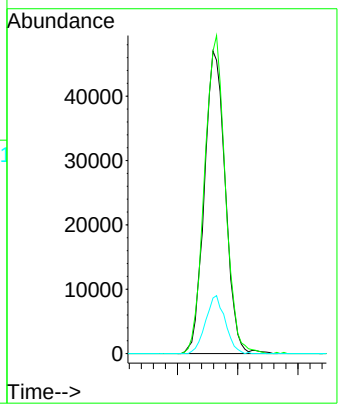


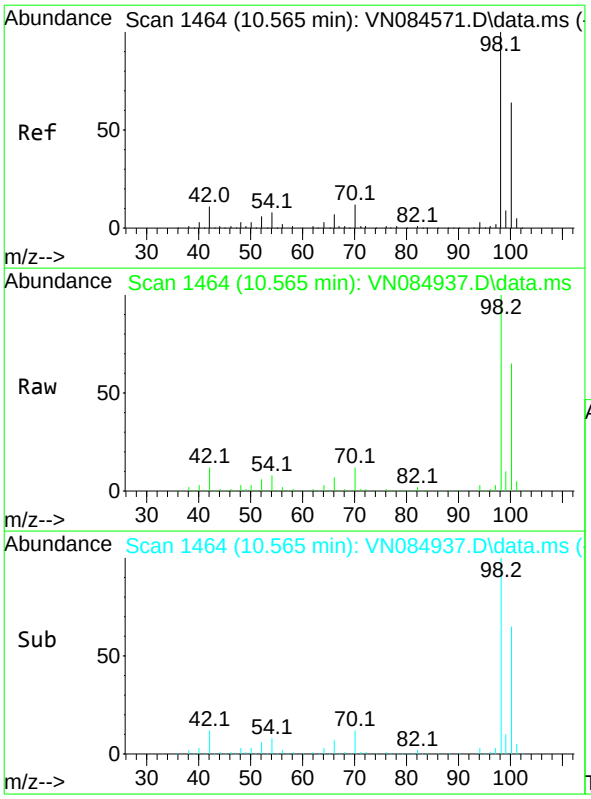


#35
Dibromofluoromethane
Concen: 48.436 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084937.D
Acq: 19 Nov 2024 11:07

Tgt Ion:113 Resp: 113721

Ion	Ratio	Lower	Upper
113	100		
111	104.0	83.3	124.9
192	18.0	13.5	20.3



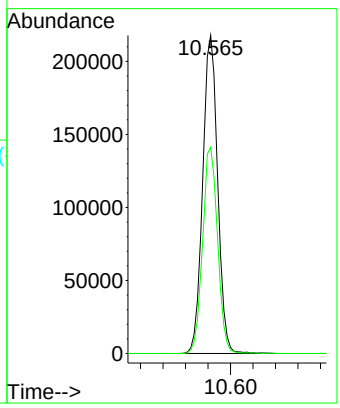


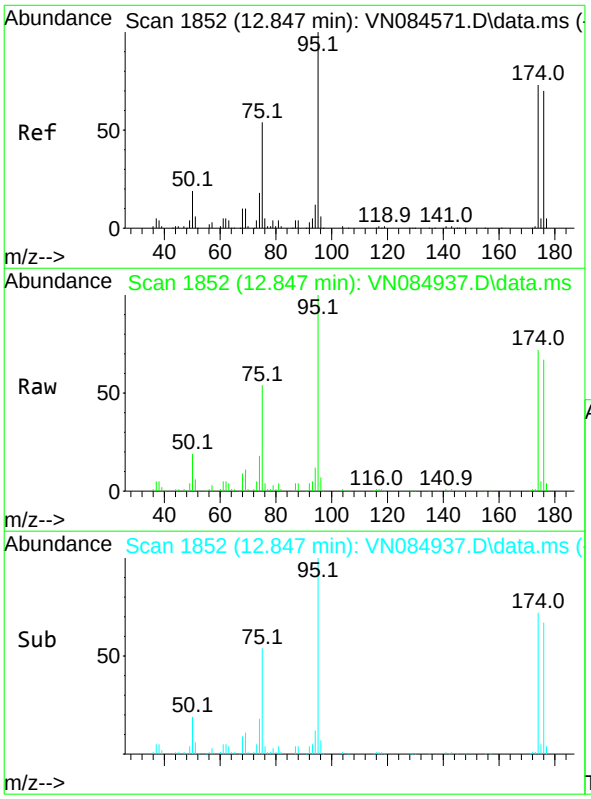
#50
Toluene-d8
Concen: 46.521 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084937.D
Acq: 19 Nov 2024 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBL01

Tgt Ion: 98 Resp: 402345

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.7	79.1

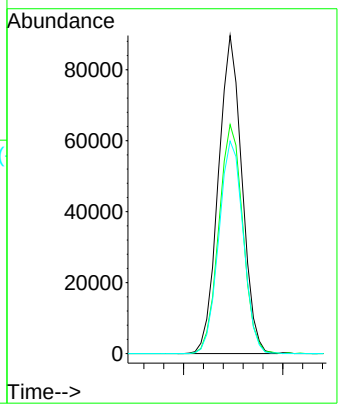


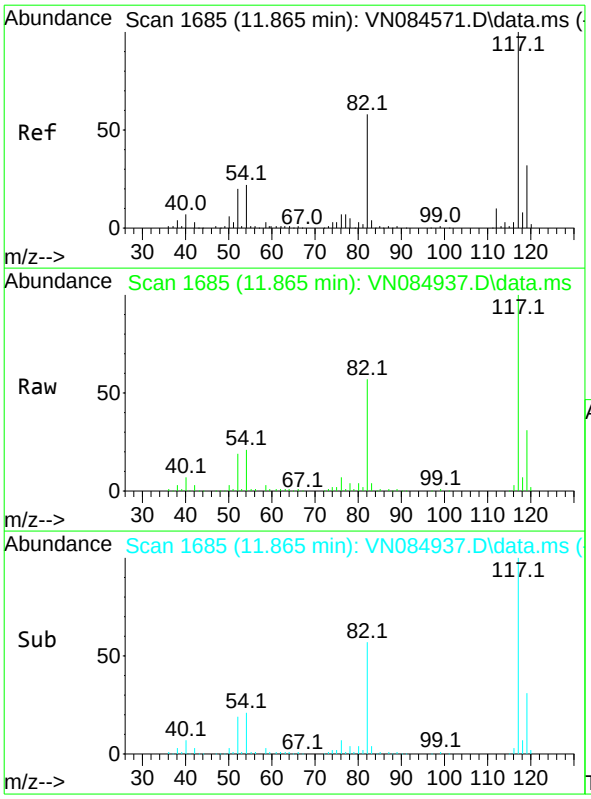


#62
4-Bromofluorobenzene
Concen: 45.853 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084937.D
Acq: 19 Nov 2024 11:07

Tgt Ion: 95 Resp: 148211

Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	145.2
176	68.9	0.0	140.0



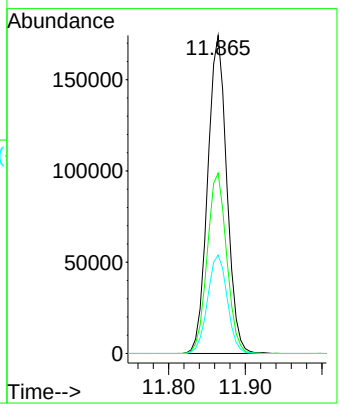


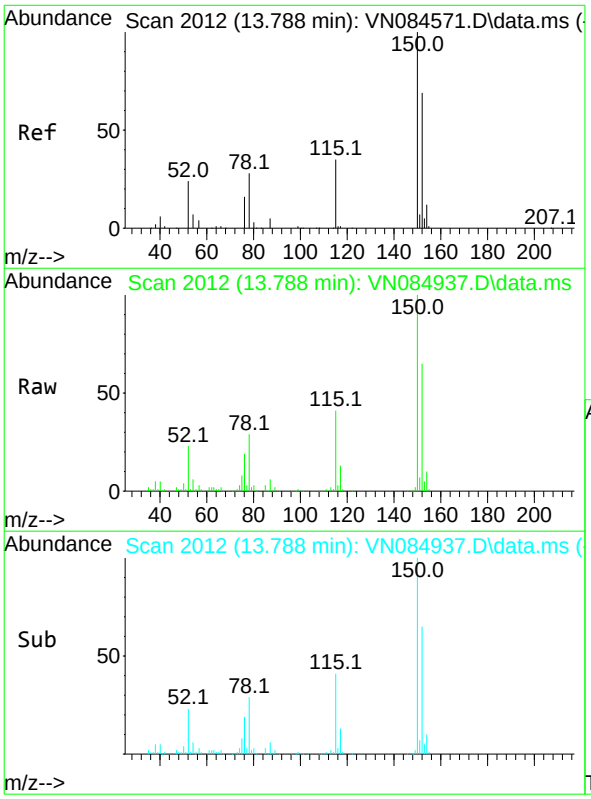
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084937.D
Acq: 19 Nov 2024 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBL01

Tgt Ion:117 Resp: 301411

Ion	Ratio	Lower	Upper
117	100		
82	56.7	47.2	70.8
119	31.0	25.4	38.0

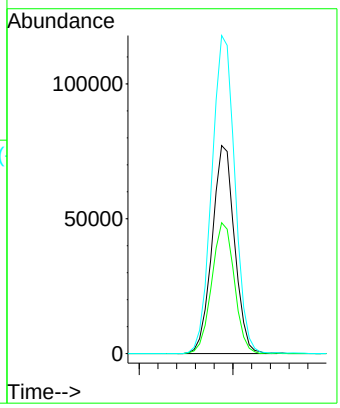




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084937.D
Acq: 19 Nov 2024 11:07

Tgt Ion:152 Resp: 128229

Ion	Ratio	Lower	Upper
152	100		
115	63.3	31.3	93.9
150	157.2	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084937.D
Acq On : 19 Nov 2024 11:07
Operator : JC\MD
Sample : VN1119WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084937.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.295	50	58	68	rBV3	19811	46471	4.37%	0.804%
2	7.218	888	895	903	rBV	4849	12035	1.13%	0.208%
3	8.165	1046	1056	1060	rBV	156199	377513	35.48%	6.534%
4	8.218	1060	1065	1082	rVB	274269	605756	56.92%	10.485%
5	8.577	1117	1126	1135	rBV	173803	390637	36.71%	6.762%
6	8.724	1143	1151	1152	rBV2	6856	11546	1.08%	0.200%
7	9.100	1206	1215	1227	rBV	398790	823416	77.38%	14.252%
8	10.565	1455	1464	1472	rBV	575055	1064159	100.00%	18.419%
9	11.865	1676	1685	1694	rBV	535455	937884	88.13%	16.234%
10	12.847	1844	1852	1861	rVB	424676	703322	66.09%	12.174%
11	13.788	2005	2012	2021	rVB	477896	804617	75.61%	13.927%

Sum of corrected areas: 5777356

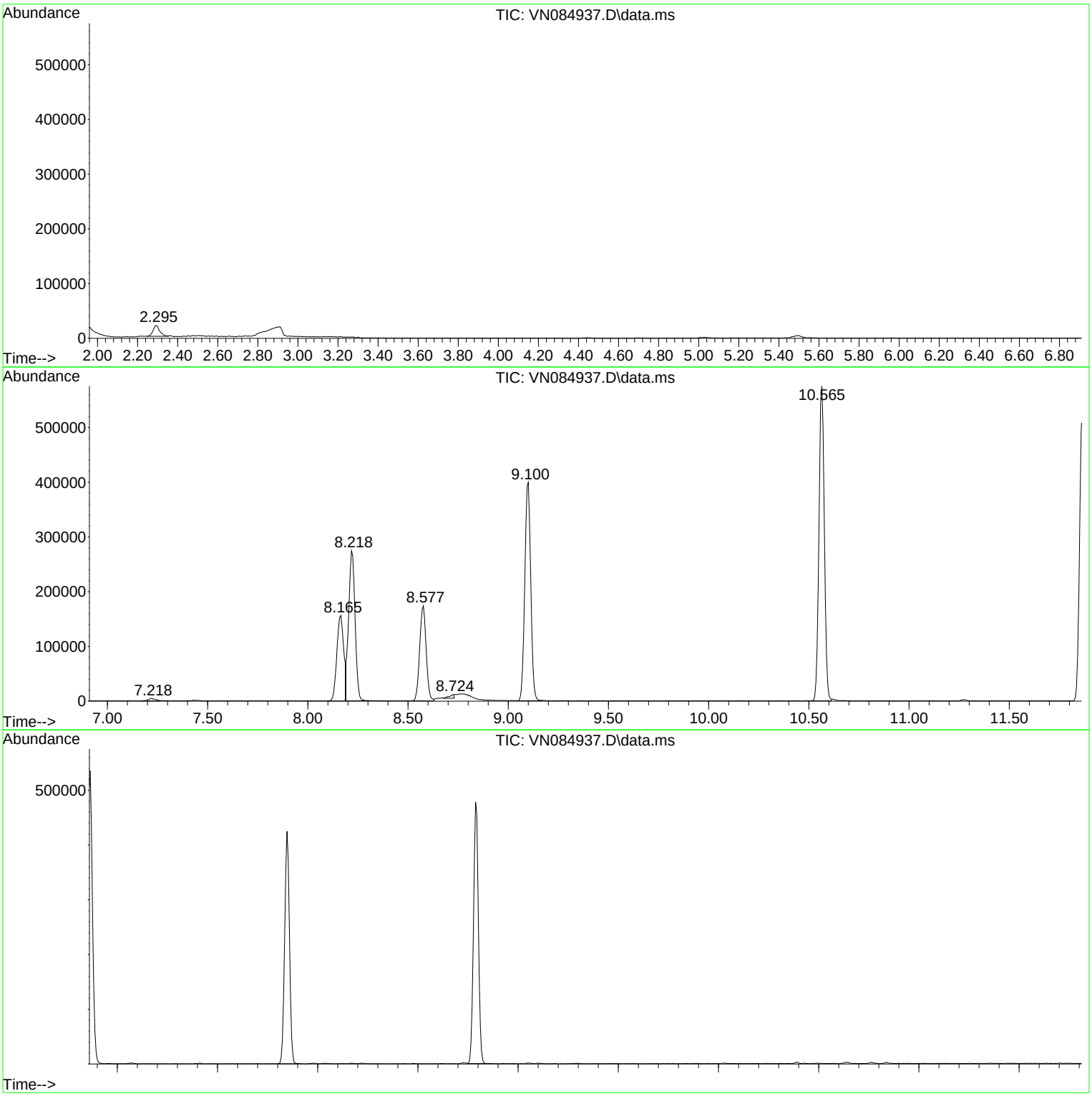
Sample Results: **VN084937.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084937.D
Acq On : 19 Nov 2024 11:07
Operator : JC\MD
Sample : VN1119WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084937.D
Acq On : 19 Nov 2024 11:07
Operator : JC\MD
Sample : VN1119WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084937.D
Acq On : 19 Nov 2024 11:07
Operator : JC\MD
Sample : VN1119WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VN1120WBL01	SDG No.:	P4845
Lab Sample ID:	VN1120WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084962.D	1		11/20/24 12:21	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VN1120WBL01	SDG No.:	P4845
Lab Sample ID:	VN1120WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084962.D	1		11/20/24 12:21	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.1		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	46.1		89 - 112		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.4		85 - 114		93%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	179000	8.218				
540-36-3	1,4-Difluorobenzene	319000	9.1				
3114-55-4	Chlorobenzene-d5	278000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	124000	13.794				

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Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VN1120WBL01	SDG No.:	P4845
Lab Sample ID:	VN1120WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084962.D	1		11/20/24 12:21	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084962.D
Acq On : 20 Nov 2024 12:21
Operator : JC\MD
Sample : VN1120WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Quant Time: Nov 21 00:34:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

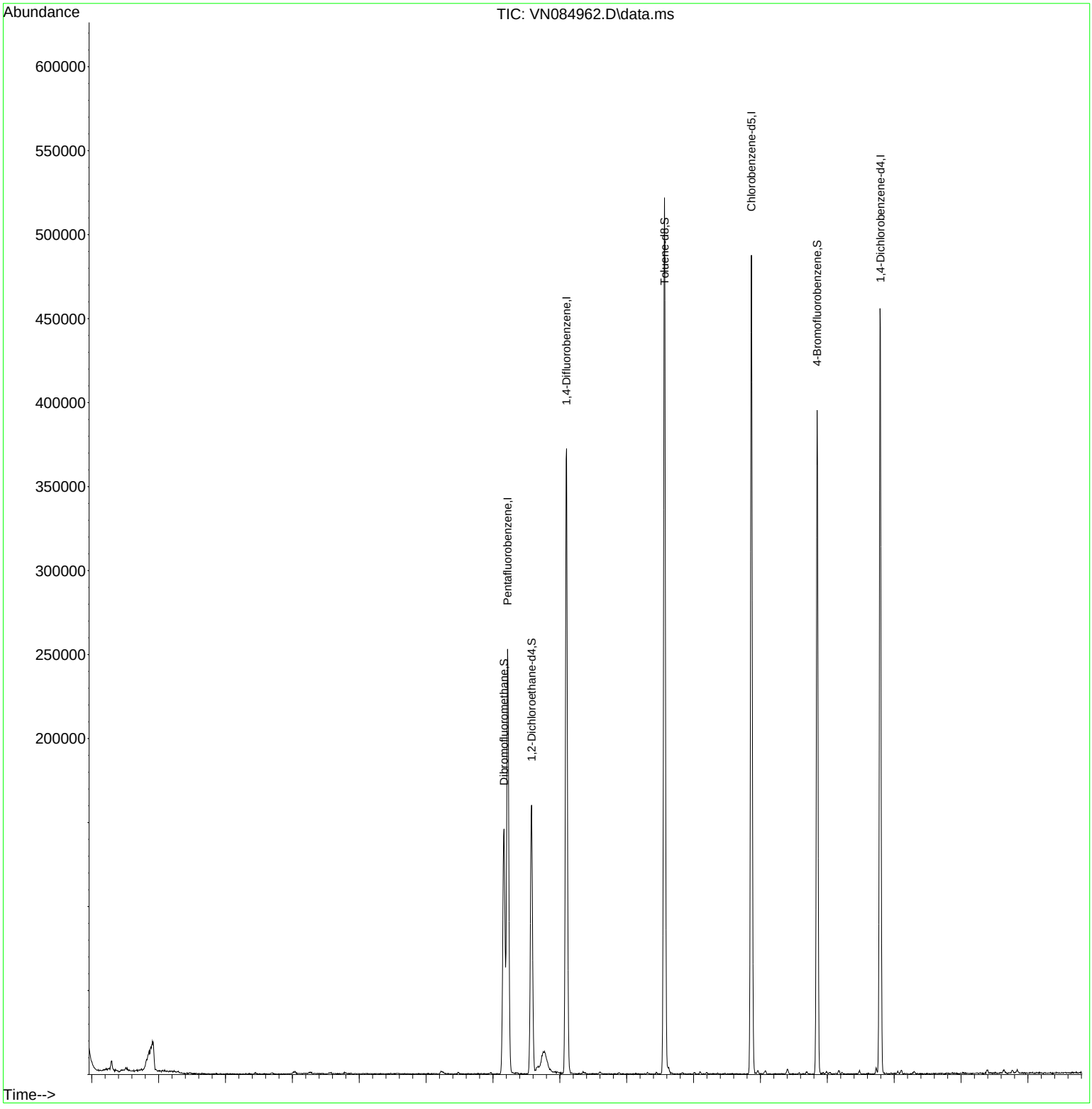
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	178908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	319489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	277659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	123641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	131967	51.070	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.140%			
35) Dibromofluoromethane	8.165	113	107113	49.531	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.060%			
50) Toluene-d8	10.565	98	366987	46.068	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.140%			
62) 4-Bromofluorobenzene	12.847	95	138133	46.397	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.800%			
Target Compounds						Qvalue

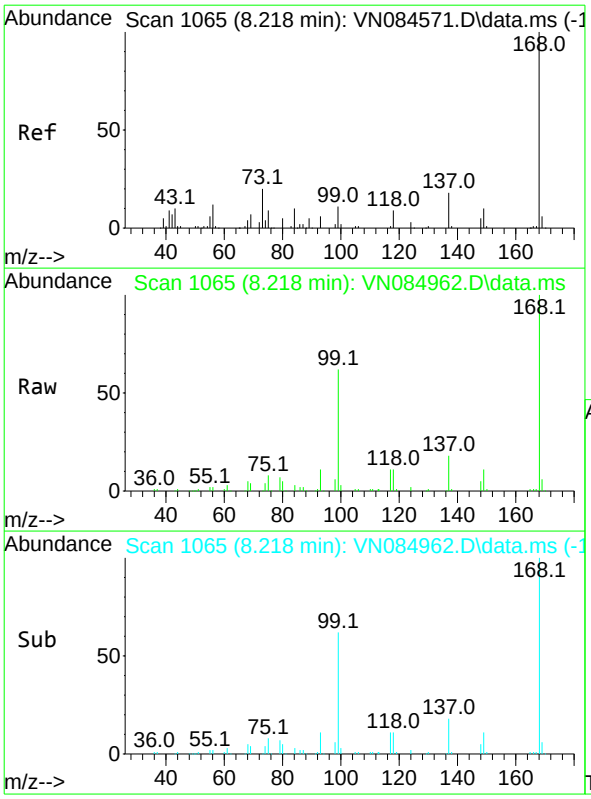
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084962.D
Acq On : 20 Nov 2024 12:21
Operator : JC\MD
Sample : VN1120WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Quant Time: Nov 21 00:34:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



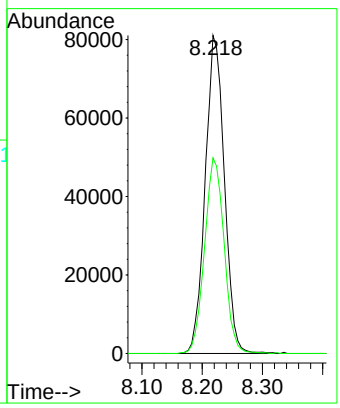


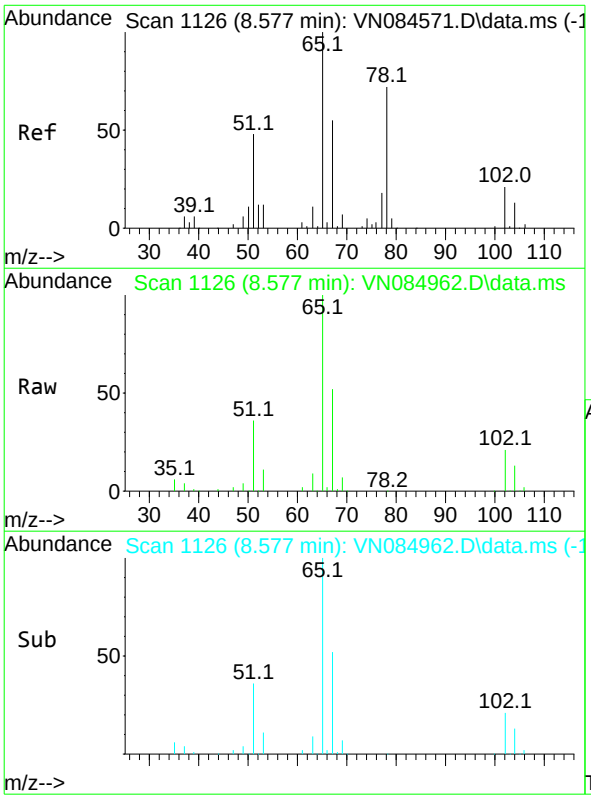
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Tgt Ion:168 Resp: 178908

Ion	Ratio	Lower	Upper
168	100		
99	61.5	54.2	81.2

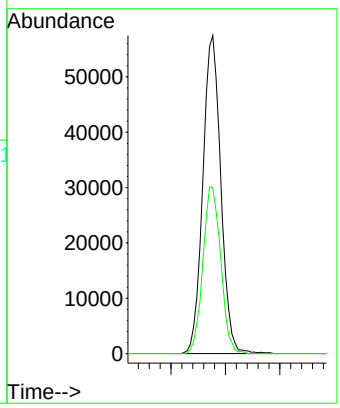


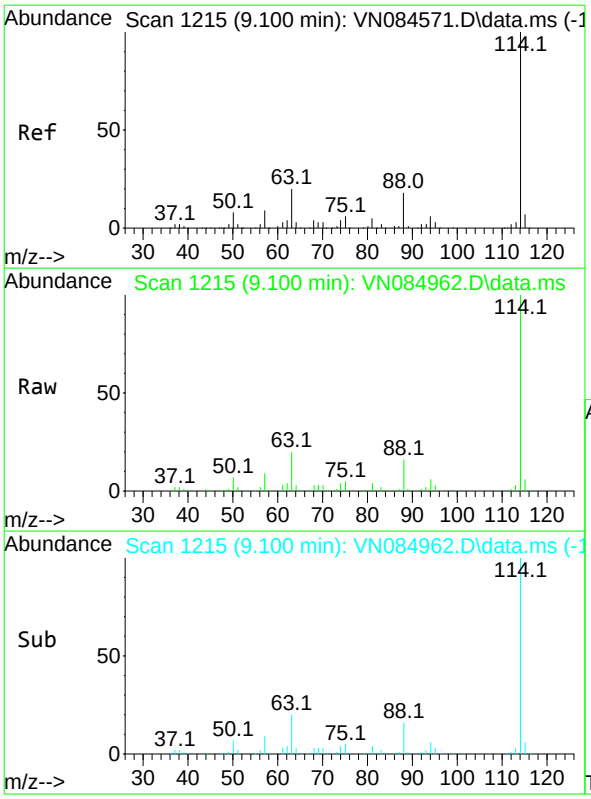


#33
1,2-Dichloroethane-d4
Concen: 51.070 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Tgt Ion: 65 Resp: 131967

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	102.0



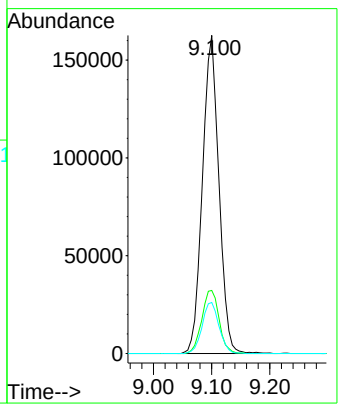


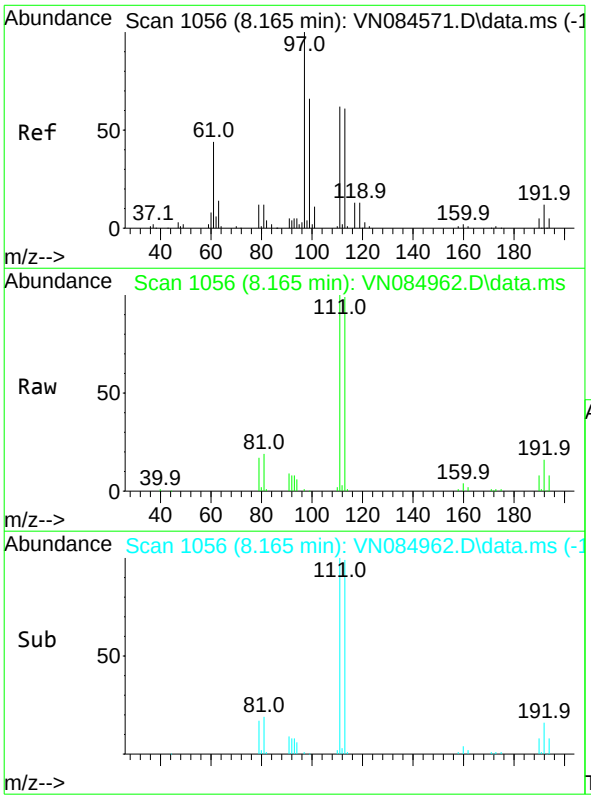
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Tgt Ion:114 Resp: 319489

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	43.8
88	16.0	0.0	31.6

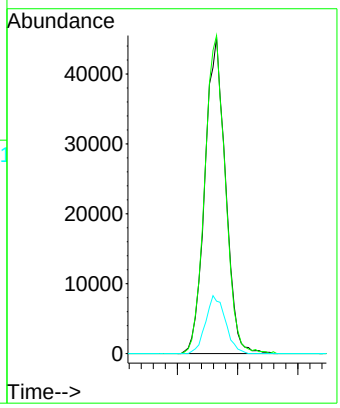


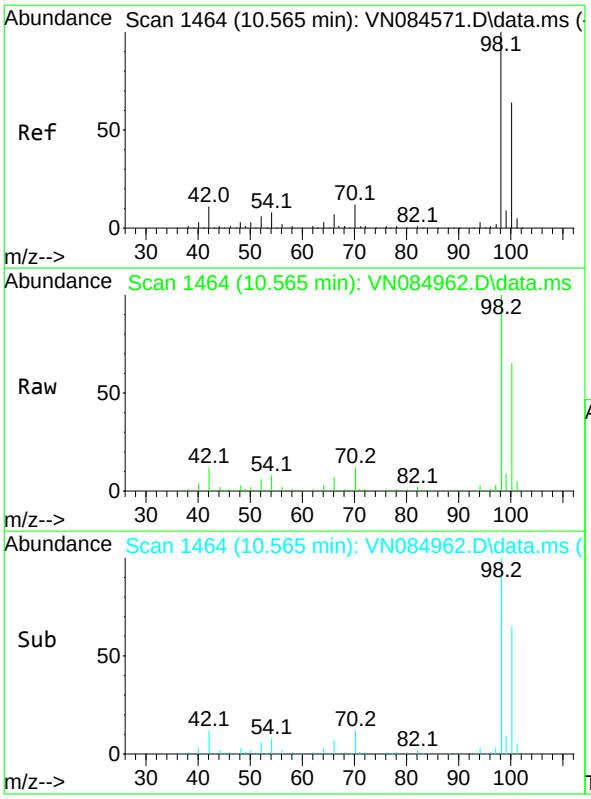


#35
Dibromofluoromethane
Concen: 49.531 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Tgt Ion:113 Resp: 107113

Ion	Ratio	Lower	Upper
113	100		
111	100.6	83.3	124.9
192	17.7	13.5	20.3



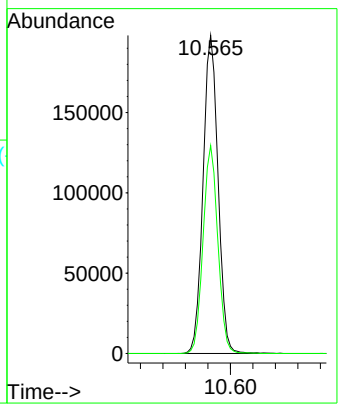


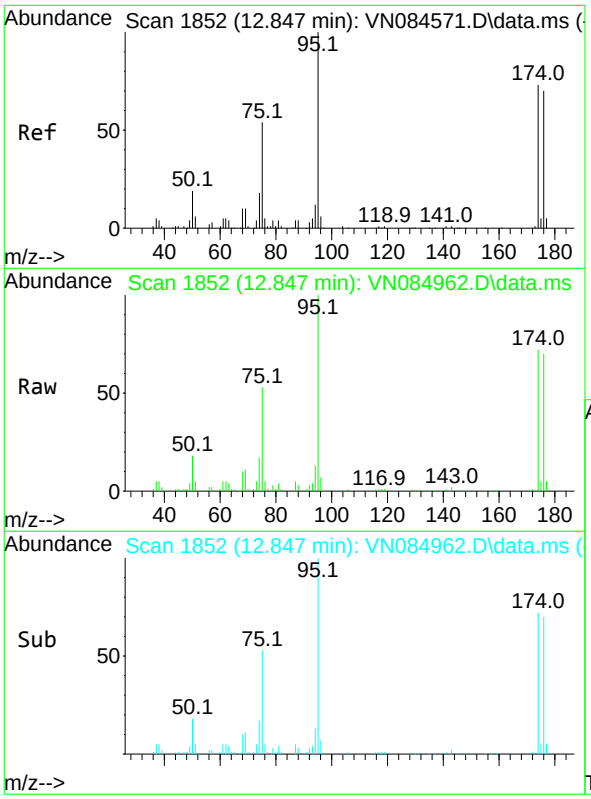
#50
Toluene-d8
Concen: 46.068 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Tgt Ion: 98 Resp: 366987

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.7	79.1

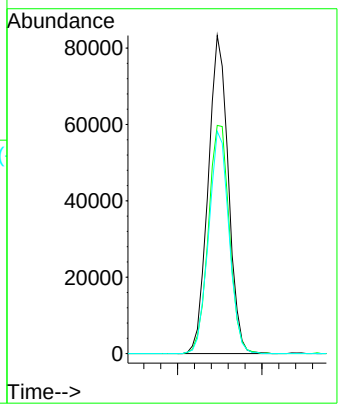


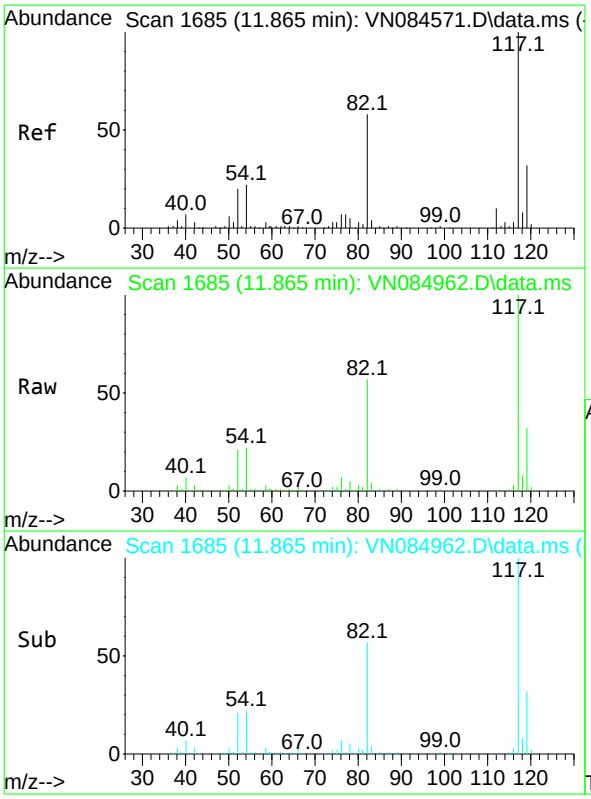


#62
4-Bromofluorobenzene
Concen: 46.397 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Tgt Ion: 95 Resp: 138133

Ion	Ratio	Lower	Upper
95	100		
174	74.9	0.0	145.2
176	70.5	0.0	140.0



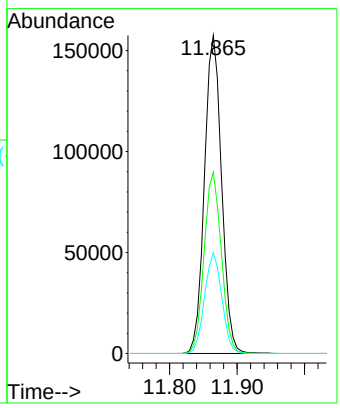


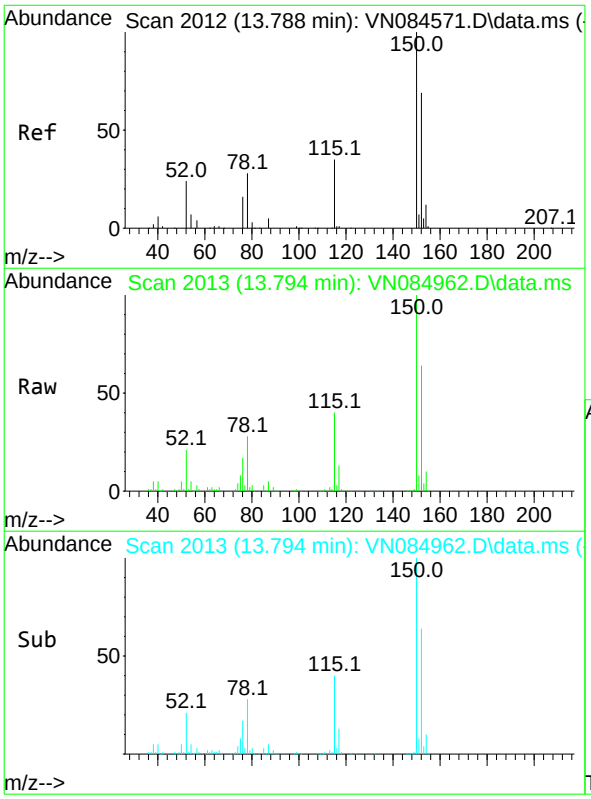
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Tgt Ion:117 Resp: 277659

Ion	Ratio	Lower	Upper
117	100		
82	57.0	47.2	70.8
119	31.7	25.4	38.0

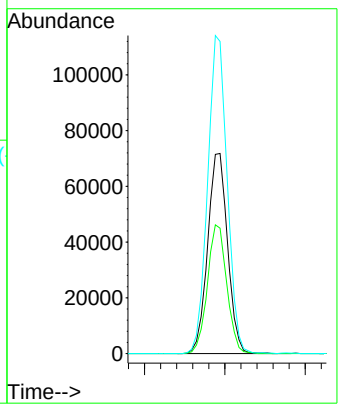




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Tgt Ion:152 Resp: 123641

Ion	Ratio	Lower	Upper
152	100		
115	62.5	31.3	93.9
150	155.7	0.0	349.8



Sample Results: **VN084962.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084962.D
Acq On : 20 Nov 2024 12:21
Operator : JC\MD
Sample : VN1120WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084962.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.295	54	58	66	rVB2	6509	12920	1.33%	0.243%
2	2.818	137	147	148	rBV4	6310	10780	1.11%	0.202%
3	8.165	1044	1056	1060	rBV	145988	346283	35.65%	6.502%
4	8.218	1060	1065	1076	rVB	252421	559884	57.64%	10.513%
5	8.577	1116	1126	1134	rBV	160114	359847	37.05%	6.757%
6	8.753	1147	1156	1157	rBV3	8578	18416	1.90%	0.346%
7	9.100	1206	1215	1225	rBV	371811	754393	77.66%	14.166%
8	10.565	1452	1464	1474	rBV	521713	971376	100.00%	18.240%
9	11.865	1676	1685	1694	rBV	487545	863950	88.94%	16.223%
10	12.847	1845	1852	1861	rBV	395157	659134	67.86%	12.377%
11	13.788	2005	2012	2022	rVB	455514	768453	79.11%	14.430%

Sum of corrected areas: 5325436

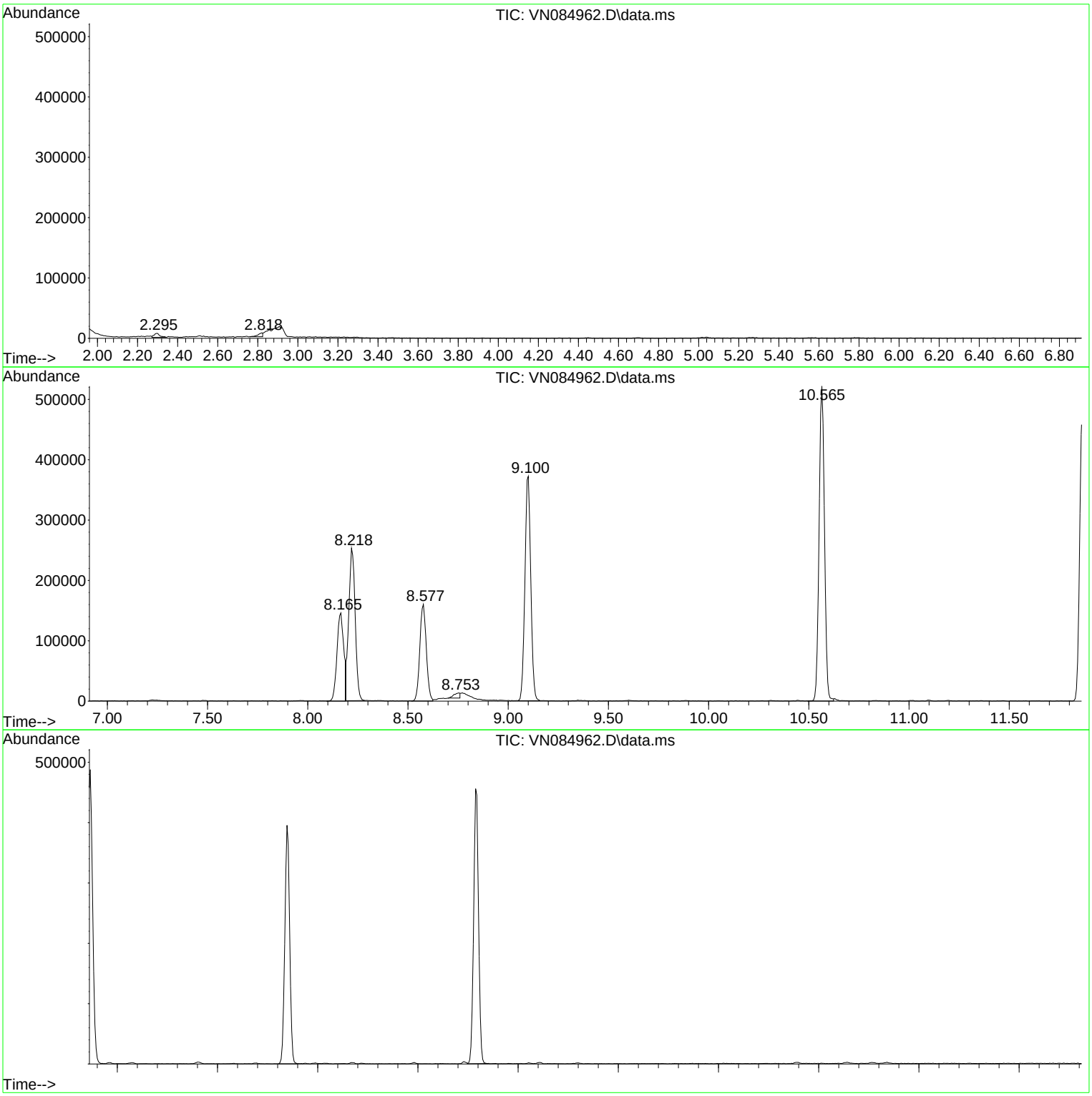
Sample Results: **VN084962.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084962.D
Acq On : 20 Nov 2024 12:21
Operator : JC\MD
Sample : VN1120WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084962.D
Acq On : 20 Nov 2024 12:21
Operator : JC\MD
Sample : VN1120WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084962.D
Acq On : 20 Nov 2024 12:21
Operator : JC\MD
Sample : VN1120WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VN1122WBL01	SDG No.:	P4845
Lab Sample ID:	VN1122WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085013.D	1		11/22/24 17:05	VN112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VN1122WBL01	SDG No.:	P4845
Lab Sample ID:	VN1122WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085013.D	1		11/22/24 17:05	VN112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.1		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	46.8		89 - 112		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.8		85 - 114		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	172000	8.218				
540-36-3	1,4-Difluorobenzene	309000	9.094				
3114-55-4	Chlorobenzene-d5	268000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	119000	13.788				

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VN1122WBL01	SDG No.:	P4845
Lab Sample ID:	VN1122WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085013.D	1		11/22/24 17:05	VN112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085013.D
Acq On : 22 Nov 2024 17:05
Operator : JC\MD
Sample : VN1122WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBL01

Quant Time: Nov 23 03:23:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

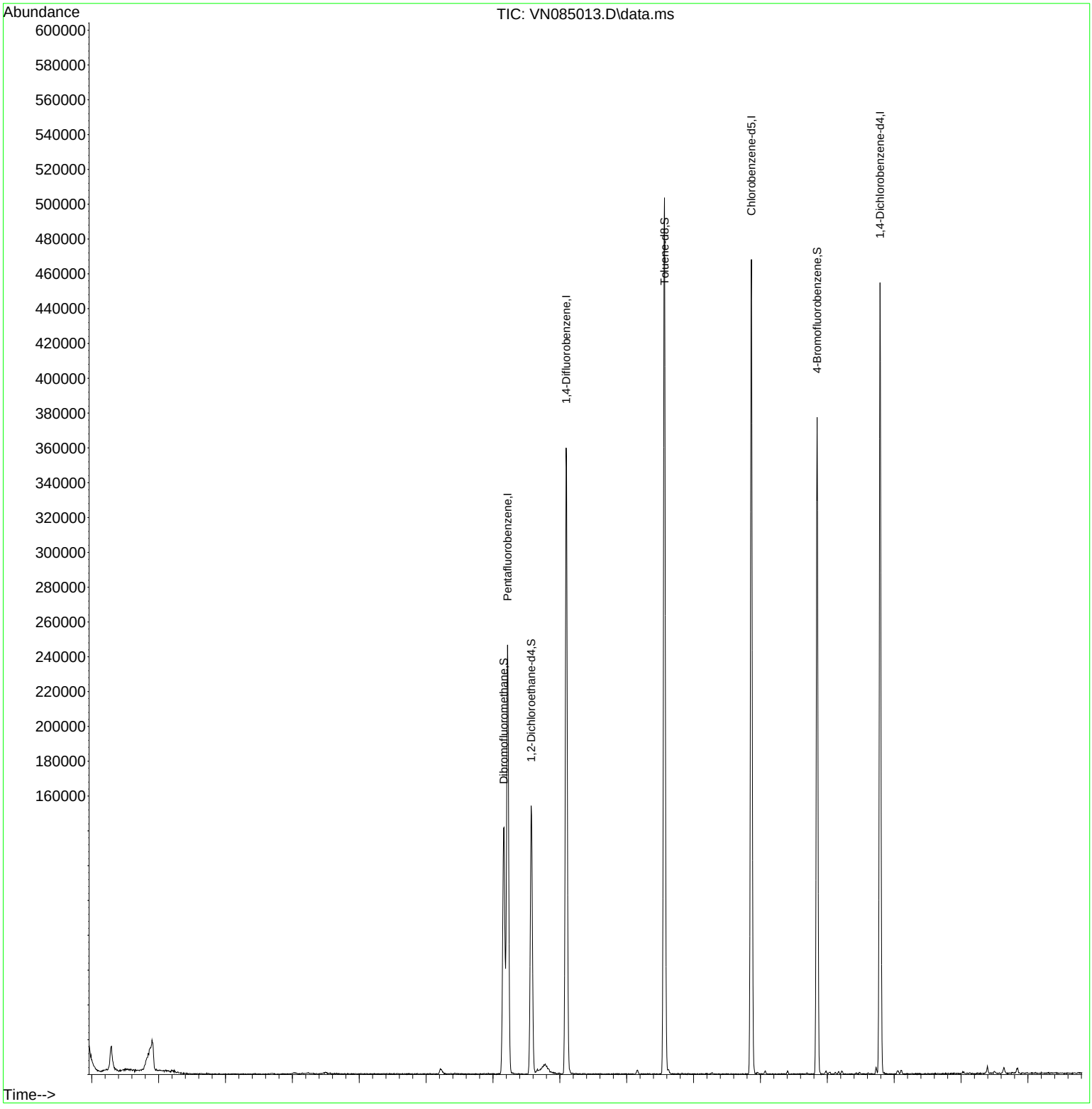
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	171853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	308794	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	267922	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	119226	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	127602	52.127	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.260%			
35) Dibromofluoromethane	8.159	113	103079	49.500	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.000%			
50) Toluene-d8	10.565	98	349325	46.809	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.620%			
62) 4-Bromofluorobenzene	12.847	95	133284	47.757	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.520%			
Target Compounds						Qvalue

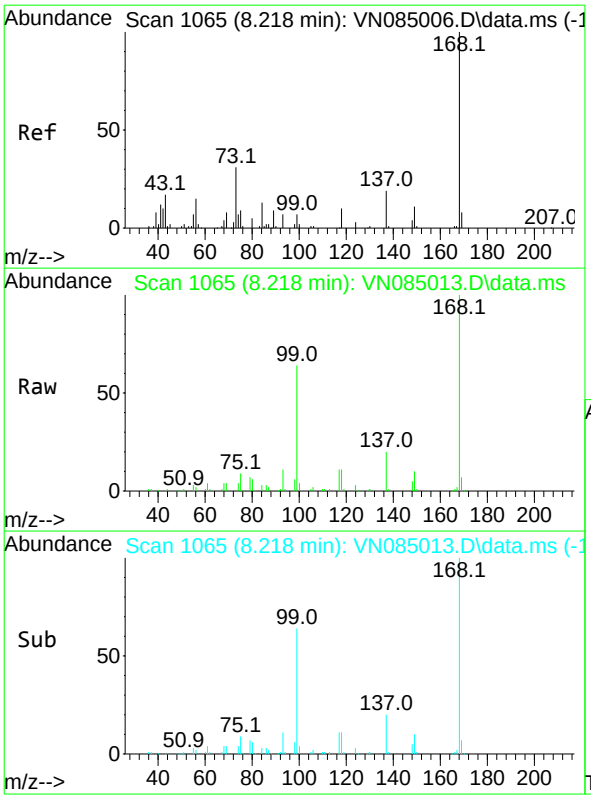
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085013.D
Acq On : 22 Nov 2024 17:05
Operator : JC\MD
Sample : VN1122WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBL01

Quant Time: Nov 23 03:23:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



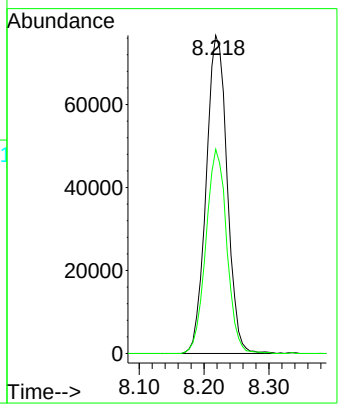


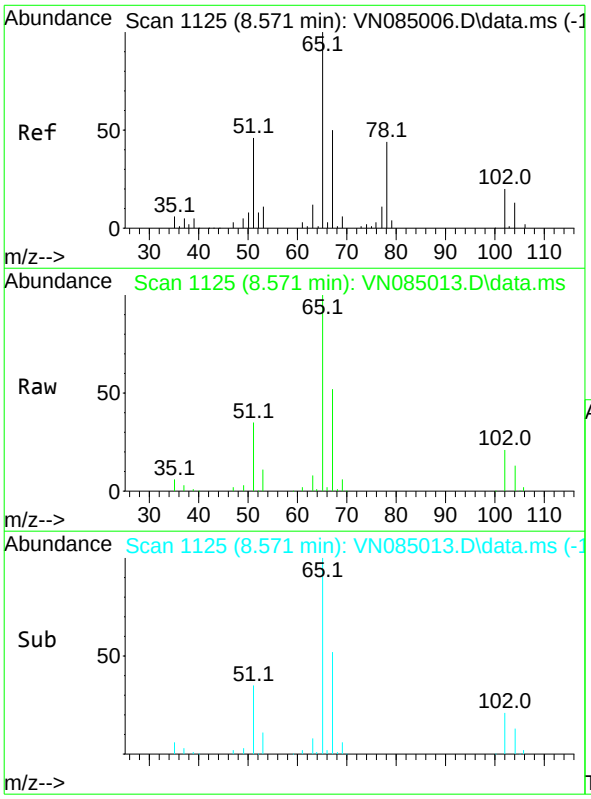
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085013.D
Acq: 22 Nov 2024 17:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBL01

Tgt Ion:168 Resp: 171853

Ion	Ratio	Lower	Upper
168	100		
99	64.2	51.2	76.8

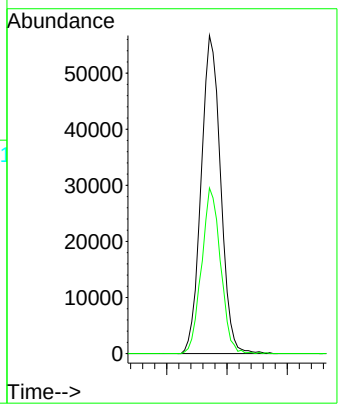


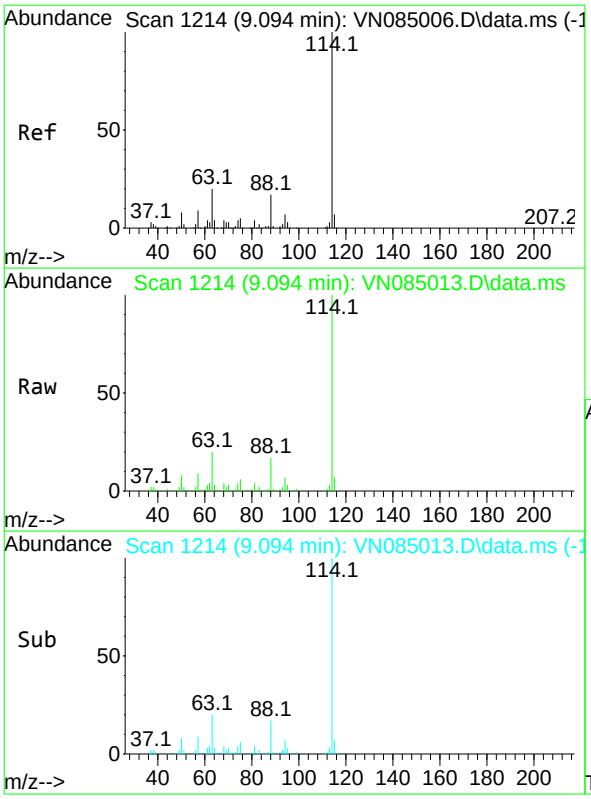


#33
1,2-Dichloroethane-d4
Concen: 52.127 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. 0.000 min
Lab File: VN085013.D
Acq: 22 Nov 2024 17:05

Tgt Ion: 65 Resp: 127602

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	105.0



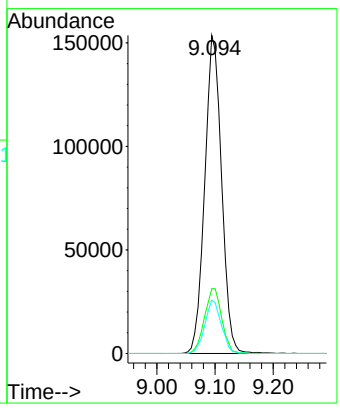


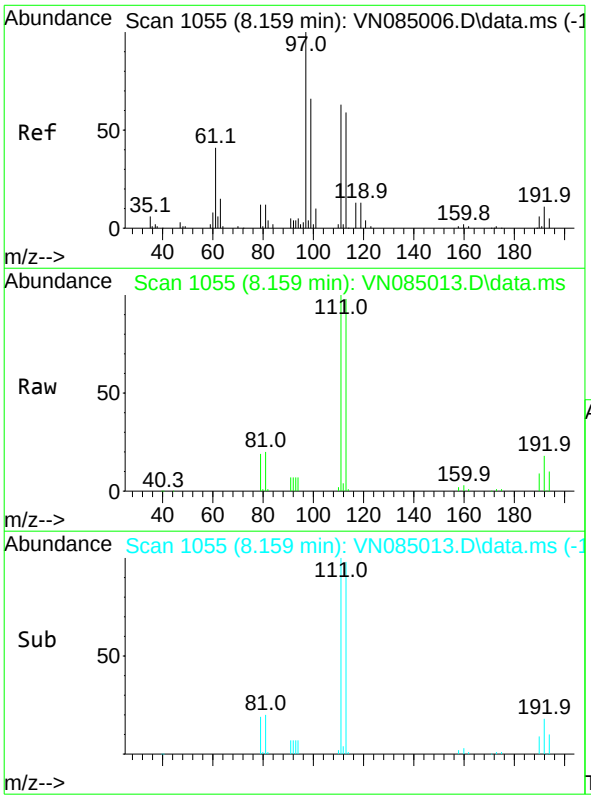
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN085013.D
Acq: 22 Nov 2024 17:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBL01

Tgt Ion:114 Resp: 308794

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	41.0
88	16.7	0.0	34.8

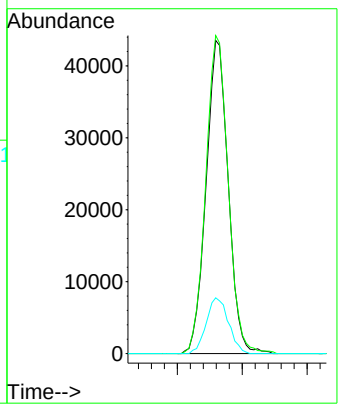


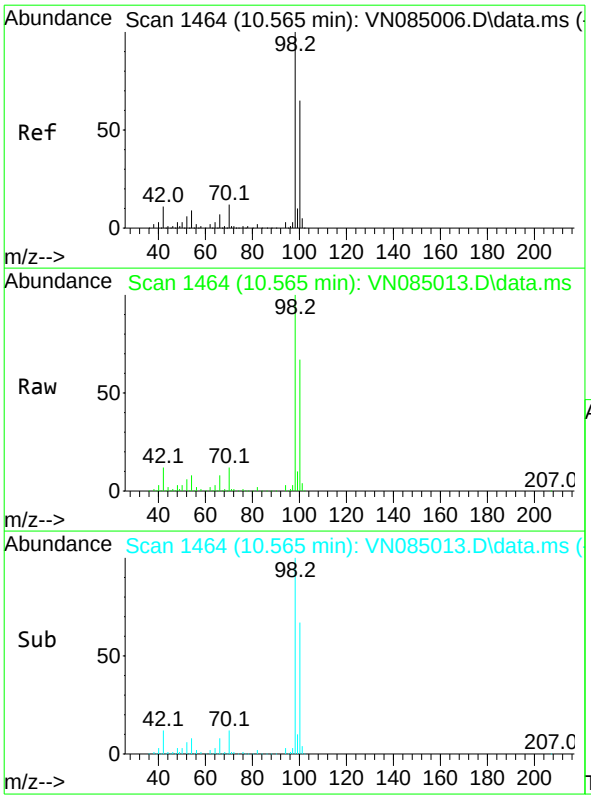


#35
Dibromofluoromethane
Concen: 49.500 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VN085013.D
Acq: 22 Nov 2024 17:05

Tgt Ion:113 Resp: 103079

Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.0	123.0
192	17.9	14.8	22.2



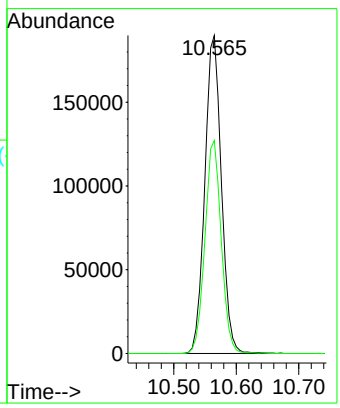


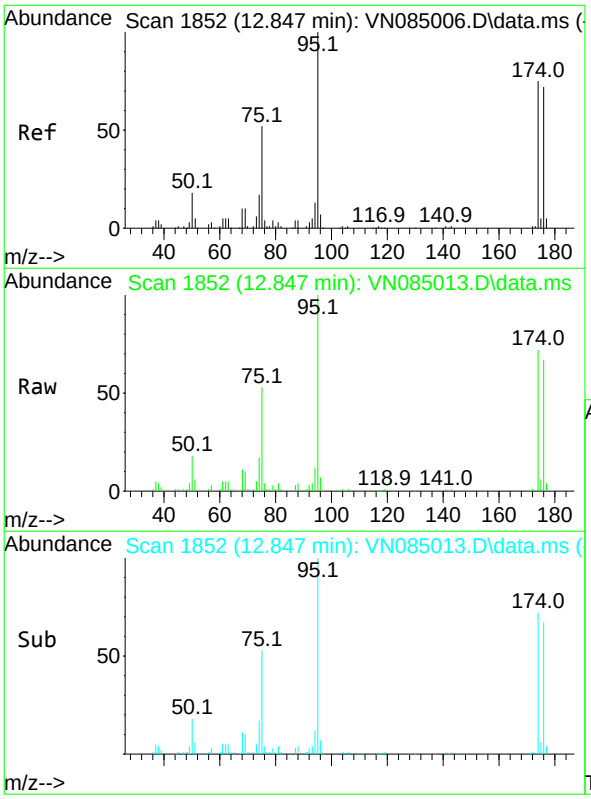
#50
Toluene-d8
Concen: 46.809 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085013.D
Acq: 22 Nov 2024 17:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBL01

Tgt Ion: 98 Resp: 349325

Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.5	78.7

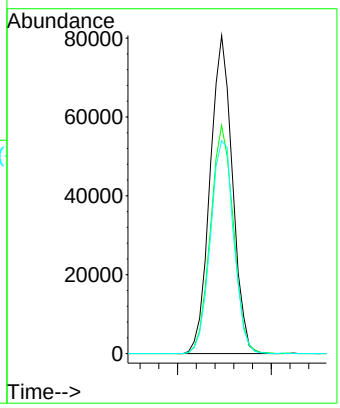


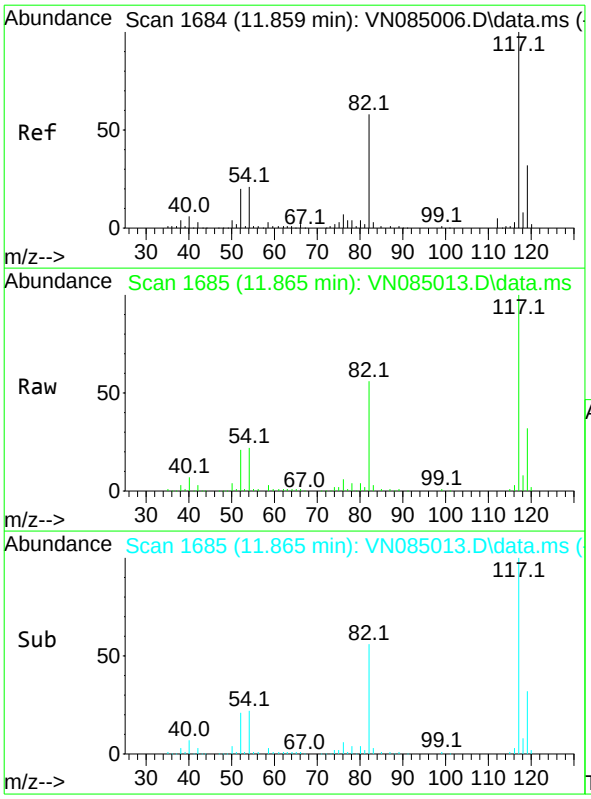


#62
4-Bromofluorobenzene
Concen: 47.757 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085013.D
Acq: 22 Nov 2024 17:05

Tgt Ion: 95 Resp: 133284

Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	146.6
176	70.2	0.0	141.8



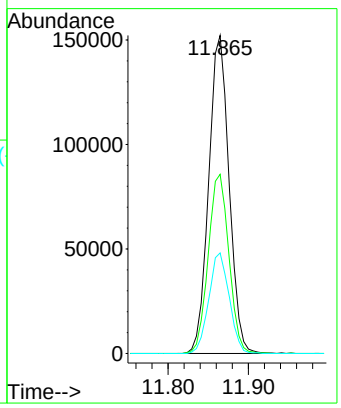


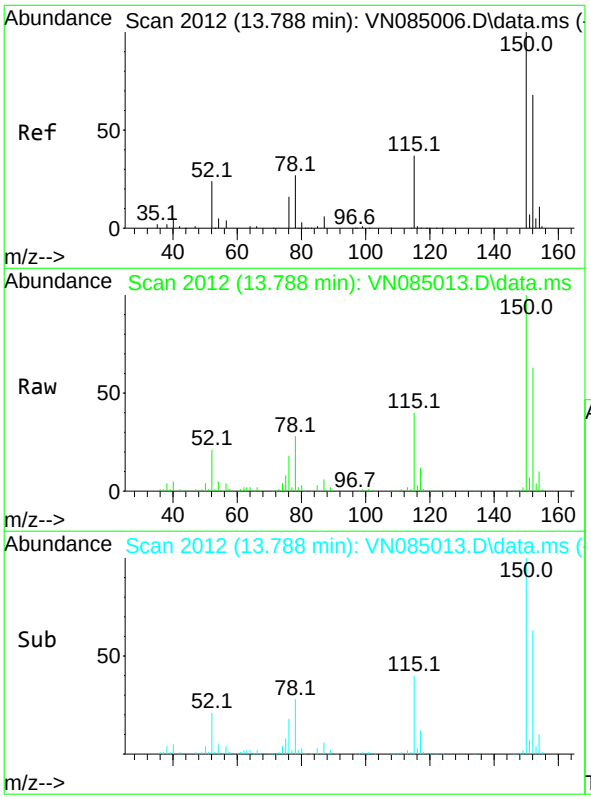
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085013.D
Acq: 22 Nov 2024 17:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBL01

Tgt Ion:117 Resp: 267922

Ion	Ratio	Lower	Upper
117	100		
82	56.3	46.0	69.0
119	31.6	25.6	38.4

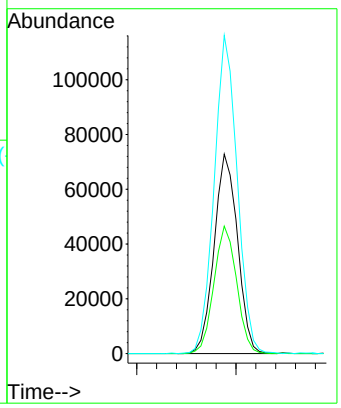




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085013.D
Acq: 22 Nov 2024 17:05

Tgt Ion:152 Resp: 119226

Ion	Ratio	Lower	Upper
152	100		
115	62.0	31.7	95.1
150	157.7	0.0	351.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085013.D
Acq On : 22 Nov 2024 17:05
Operator : JC\MD
Sample : VN1122WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Title : SW846 8260

Signal : TIC: VN085013.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.295	48	58	67	rBV3	13550	34652	3.74%	0.674%
2	2.901	159	161	170	rVB5	17472	33361	3.60%	0.649%
3	8.165	1045	1056	1060	rBV	141745	340400	36.78%	6.621%
4	8.218	1060	1065	1077	rVB	246213	534509	57.75%	10.397%
5	8.571	1115	1125	1135	rBV	154267	342784	37.03%	6.668%
6	9.094	1206	1214	1228	rVB	359451	724281	78.25%	14.088%
7	10.565	1455	1464	1472	rBV	503444	925621	100.00%	18.005%
8	11.865	1677	1685	1694	rBV	468038	828256	89.48%	16.111%
9	12.847	1845	1852	1862	rVB	377654	630577	68.12%	12.266%
10	13.788	2005	2012	2021	rVB	454239	746511	80.65%	14.521%

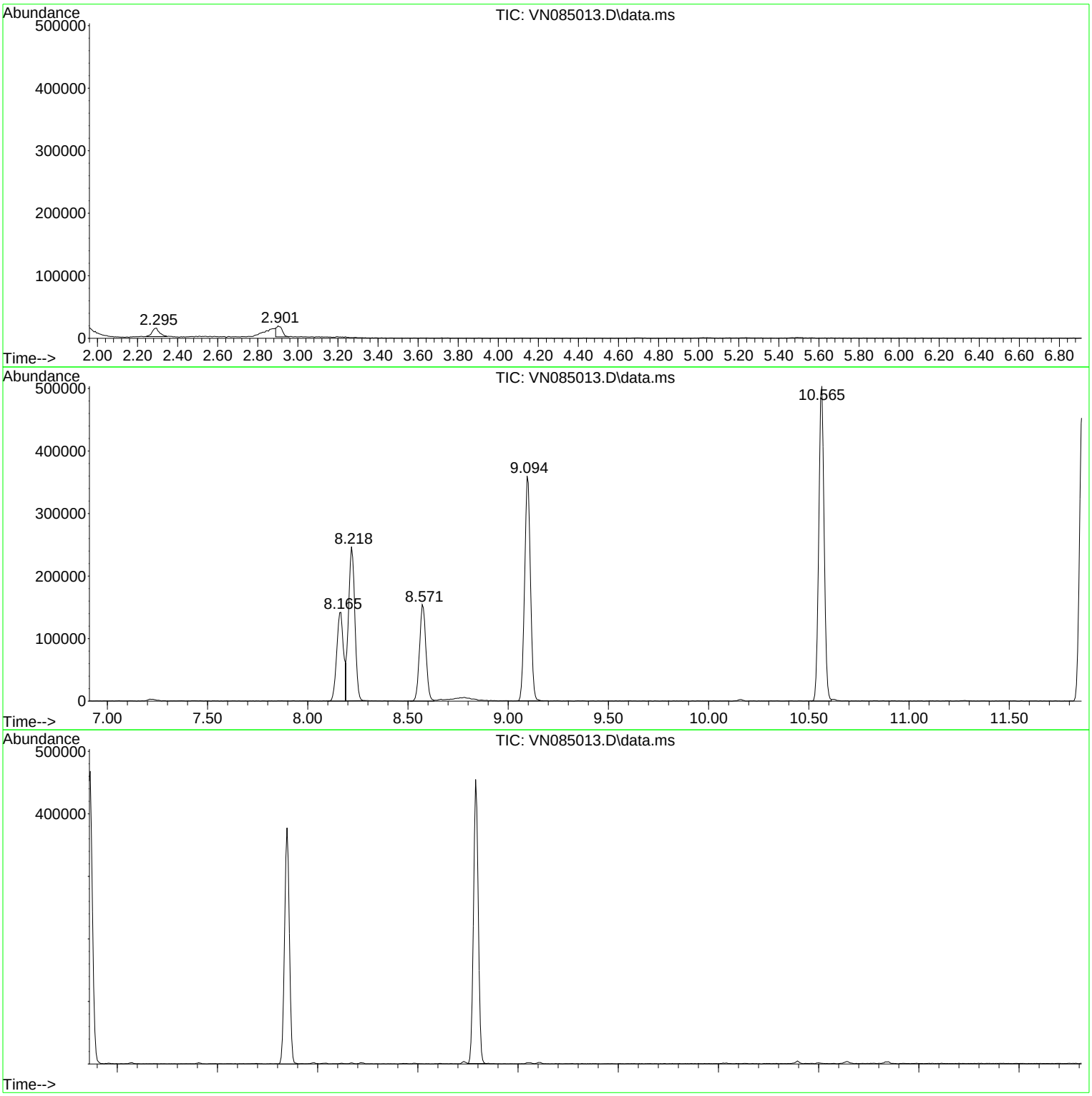
Sum of corrected areas: 5140952

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085013.D
Acq On : 22 Nov 2024 17:05
Operator : JC\MD
Sample : VN1122WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085013.D
Acq On : 22 Nov 2024 17:05
Operator : JC\MD
Sample : VN1122WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085013.D
Acq On : 22 Nov 2024 17:05
Operator : JC\MD
Sample : VN1122WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VN1126WBL01	SDG No.:	P4845
Lab Sample ID:	VN1126WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085037.D	1		11/26/24 11:45	VN112624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VN1126WBL01	SDG No.:	P4845
Lab Sample ID:	VN1126WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085037.D	1		11/26/24 11:45	VN112624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.7		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	46.5		89 - 112		93%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.5		85 - 114		87%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	168000	8.218				
540-36-3	1,4-Difluorobenzene	296000	9.1				
3114-55-4	Chlorobenzene-d5	246000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	104000	13.788				

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VN1126WBL01	SDG No.:	P4845
Lab Sample ID:	VN1126WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085037.D	1		11/26/24 11:45	VN112624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085037.D
Acq On : 26 Nov 2024 11:45
Operator : JC\MD
Sample : VN1126WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBL01

Quant Time: Nov 27 05:10:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

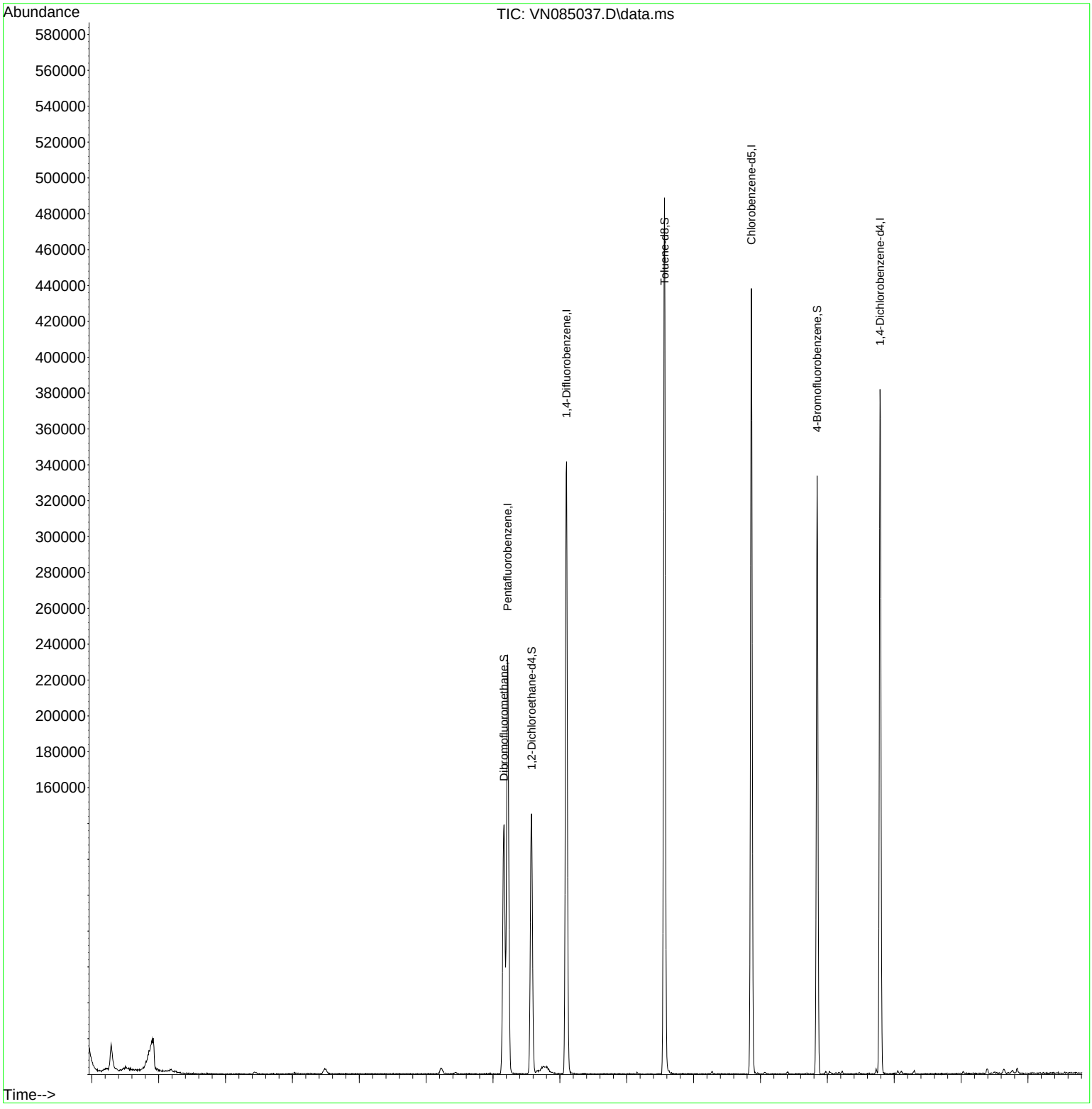
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	167817	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	295581	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	246384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	103859	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	123577	51.697	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.400%			
35) Dibromofluoromethane	8.165	113	99444	49.889	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.780%			
50) Toluene-d8	10.565	98	331911	46.463	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.920%			
62) 4-Bromofluorobenzene	12.847	95	116119	43.467	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 86.940%			
Target Compounds						Qvalue

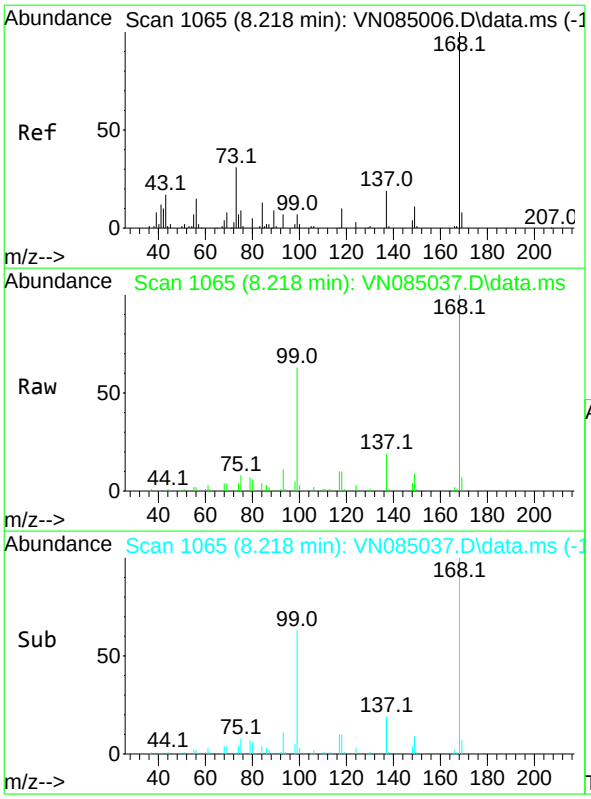
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085037.D
Acq On : 26 Nov 2024 11:45
Operator : JC\MD
Sample : VN1126WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBL01

Quant Time: Nov 27 05:10:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



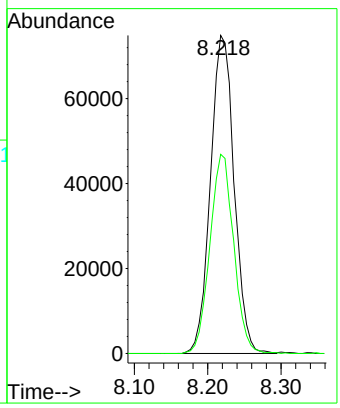


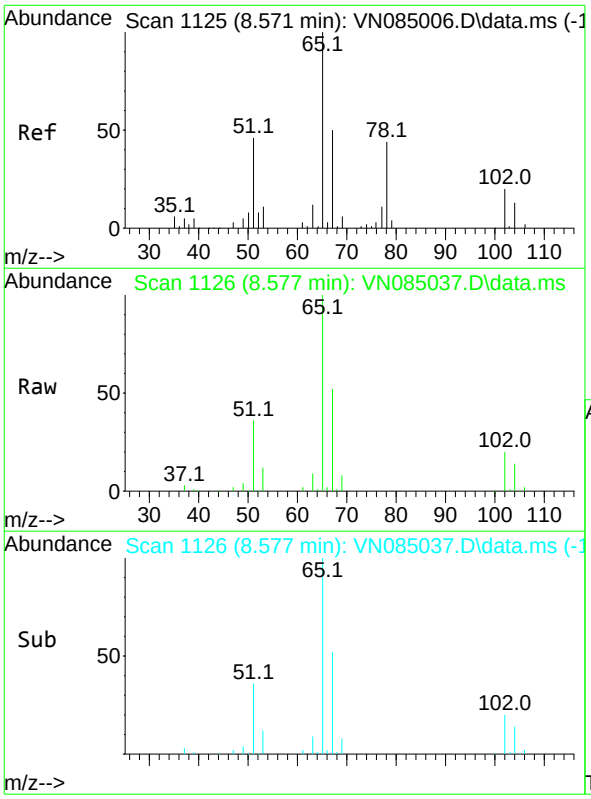
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085037.D
Acq: 26 Nov 2024 11:45

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBL01

Tgt Ion:168 Resp: 167817

Ion	Ratio	Lower	Upper
168	100		
99	62.6	51.2	76.8

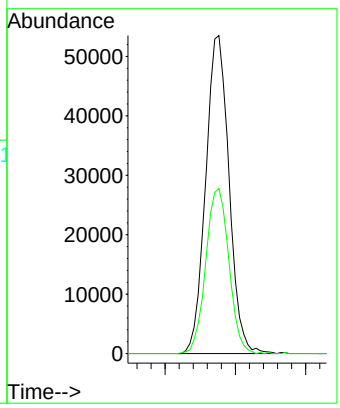


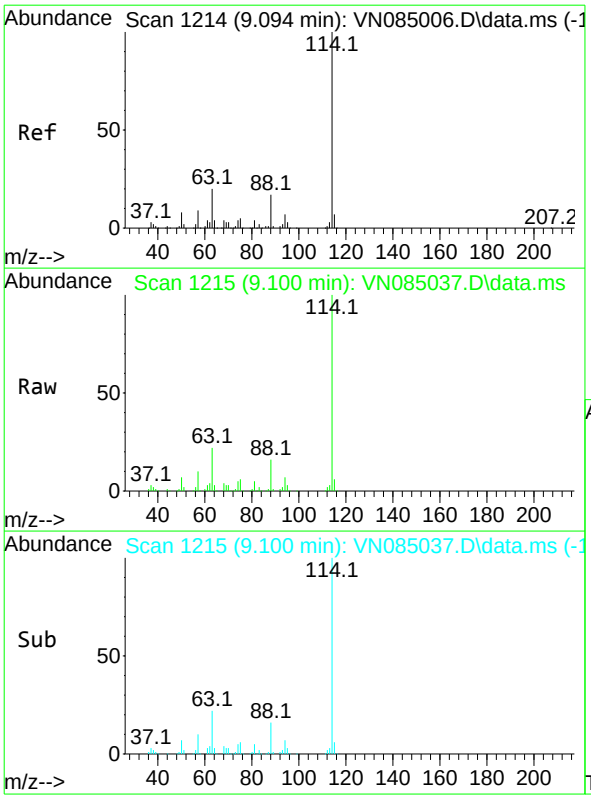


#33
1,2-Dichloroethane-d4
Concen: 51.697 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085037.D
Acq: 26 Nov 2024 11:45

Tgt Ion: 65 Resp: 123577

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	105.0



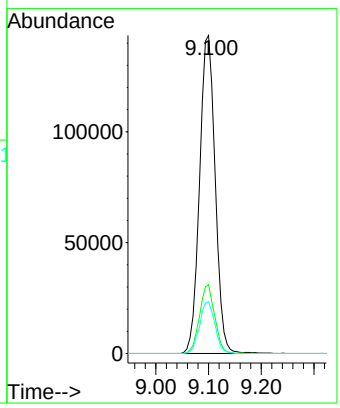


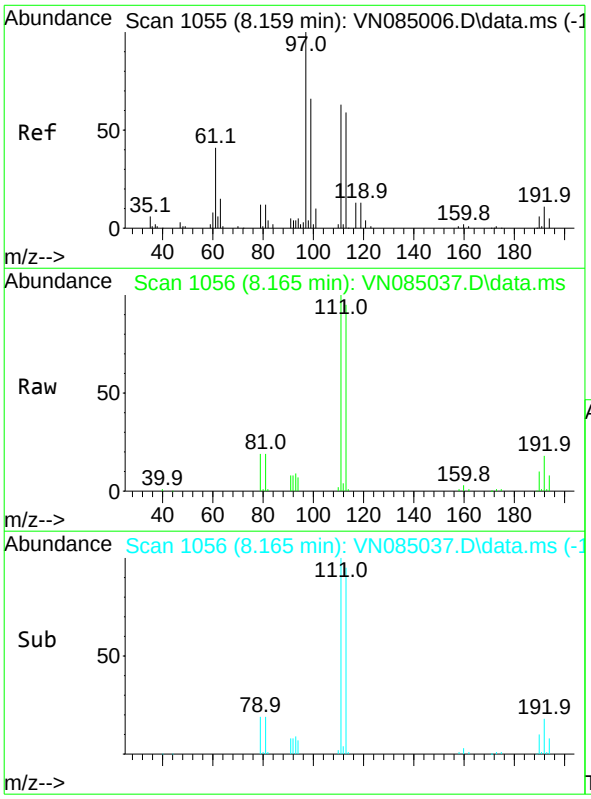
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN085037.D
Acq: 26 Nov 2024 11:45

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBL01

Tgt Ion:114 Resp: 295581

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	41.0
88	16.3	0.0	34.8

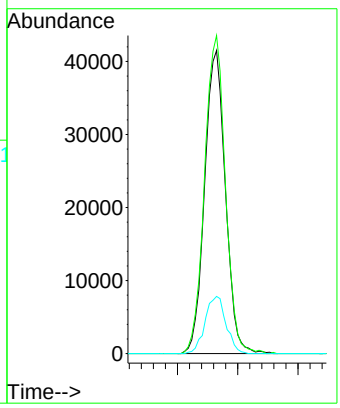


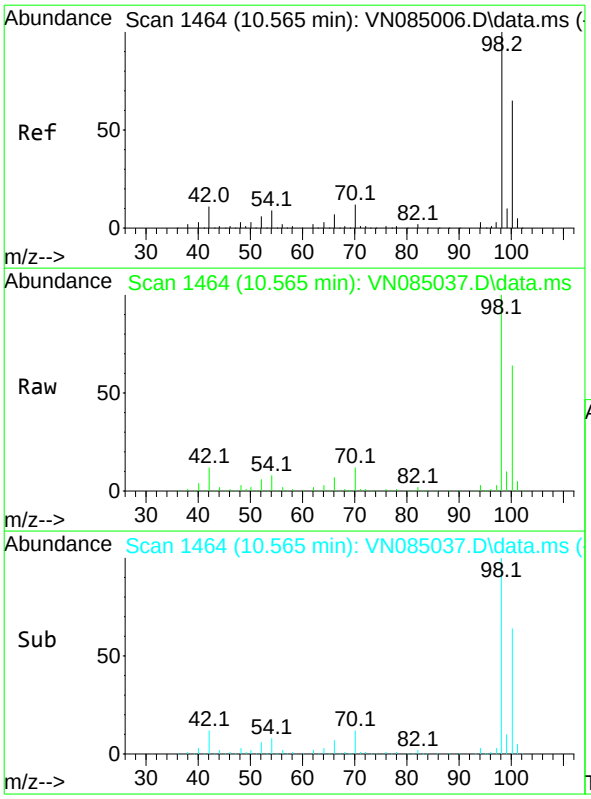


#35
Dibromofluoromethane
Concen: 49.889 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085037.D
Acq: 26 Nov 2024 11:45

Tgt Ion:113 Resp: 99444

Ion	Ratio	Lower	Upper
113	100		
111	105.2	82.0	123.0
192	19.0	14.8	22.2



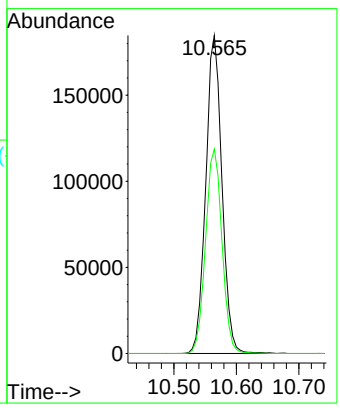


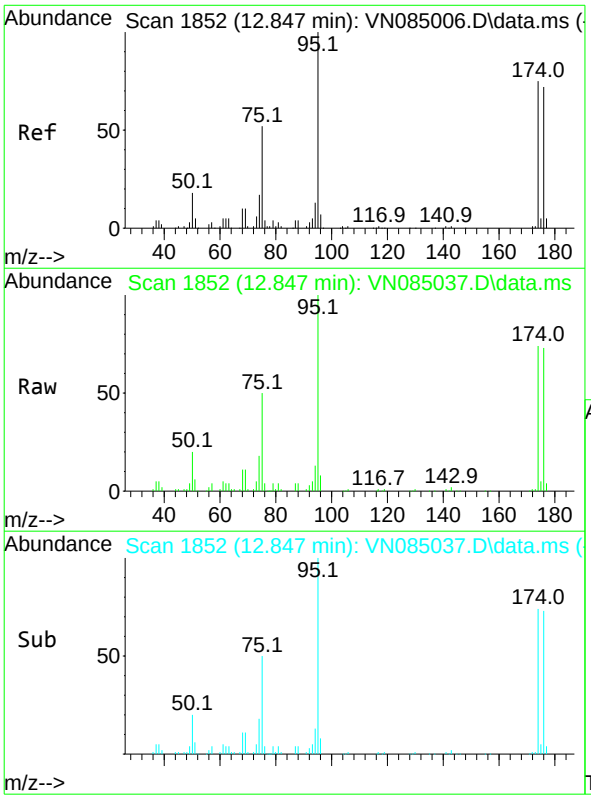
#50
Toluene-d8
Concen: 46.463 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085037.D
Acq: 26 Nov 2024 11:45

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBL01

Tgt Ion: 98 Resp: 331911

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.5	78.7

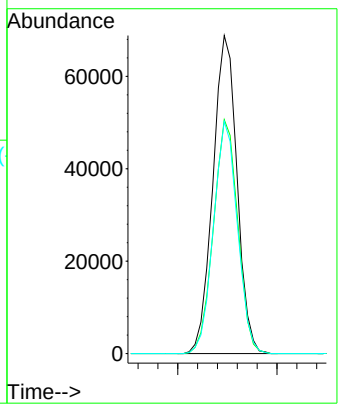


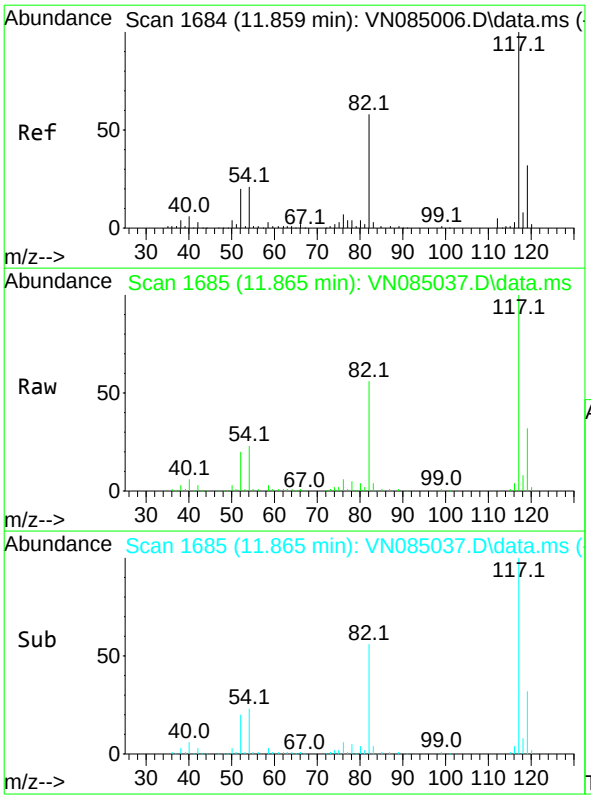


#62
4-Bromofluorobenzene
Concen: 43.467 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085037.D
Acq: 26 Nov 2024 11:45

Tgt Ion: 95 Resp: 116119

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	146.6
176	72.5	0.0	141.8



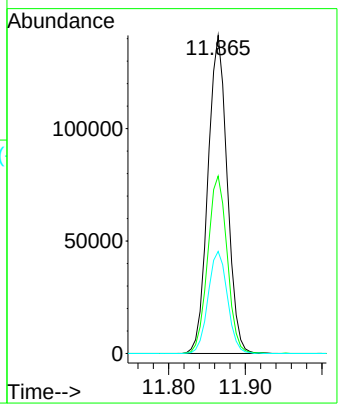


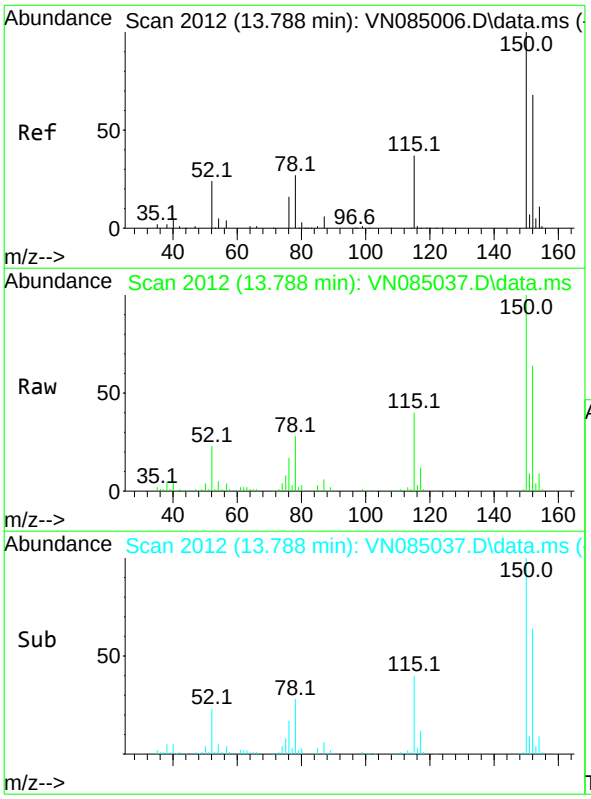
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085037.D
Acq: 26 Nov 2024 11:45

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBL01

Tgt Ion:117 Resp: 246384

Ion	Ratio	Lower	Upper
117	100		
82	55.8	46.0	69.0
119	32.1	25.6	38.4

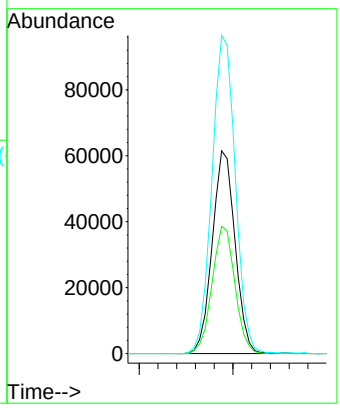




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085037.D
Acq: 26 Nov 2024 11:45

Tgt Ion:152 Resp: 103859

Ion	Ratio	Lower	Upper
152	100		
115	62.8	31.7	95.1
150	161.2	0.0	351.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085037.D
Acq On : 26 Nov 2024 11:45
Operator : JC\MD
Sample : VN1126WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Title : SW846 8260

Signal : TIC: VN085037.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.289	50	57	67	rBV3	14365	35372	3.98%	0.735%
2	2.842	140	151	152	rBV5	7551	16837	1.90%	0.350%
3	2.906	155	162	163	rVV5	6767	11805	1.33%	0.245%
4	8.165	1046	1056	1060	rBV	139083	334033	37.60%	6.943%
5	8.218	1060	1065	1077	rVB	233482	521048	58.65%	10.830%
6	8.577	1114	1126	1136	rBV	145136	331472	37.31%	6.889%
7	9.100	1205	1215	1226	rBV	341367	699847	78.78%	14.546%
8	10.565	1456	1464	1475	rBV	488786	888374	100.00%	18.464%
9	11.865	1676	1685	1693	rBV	438203	761887	85.76%	15.835%
10	12.847	1843	1852	1860	rVB	333869	555280	62.51%	11.541%
11	13.788	2005	2012	2023	rVB	381800	655360	73.77%	13.621%

Sum of corrected areas: 4811315

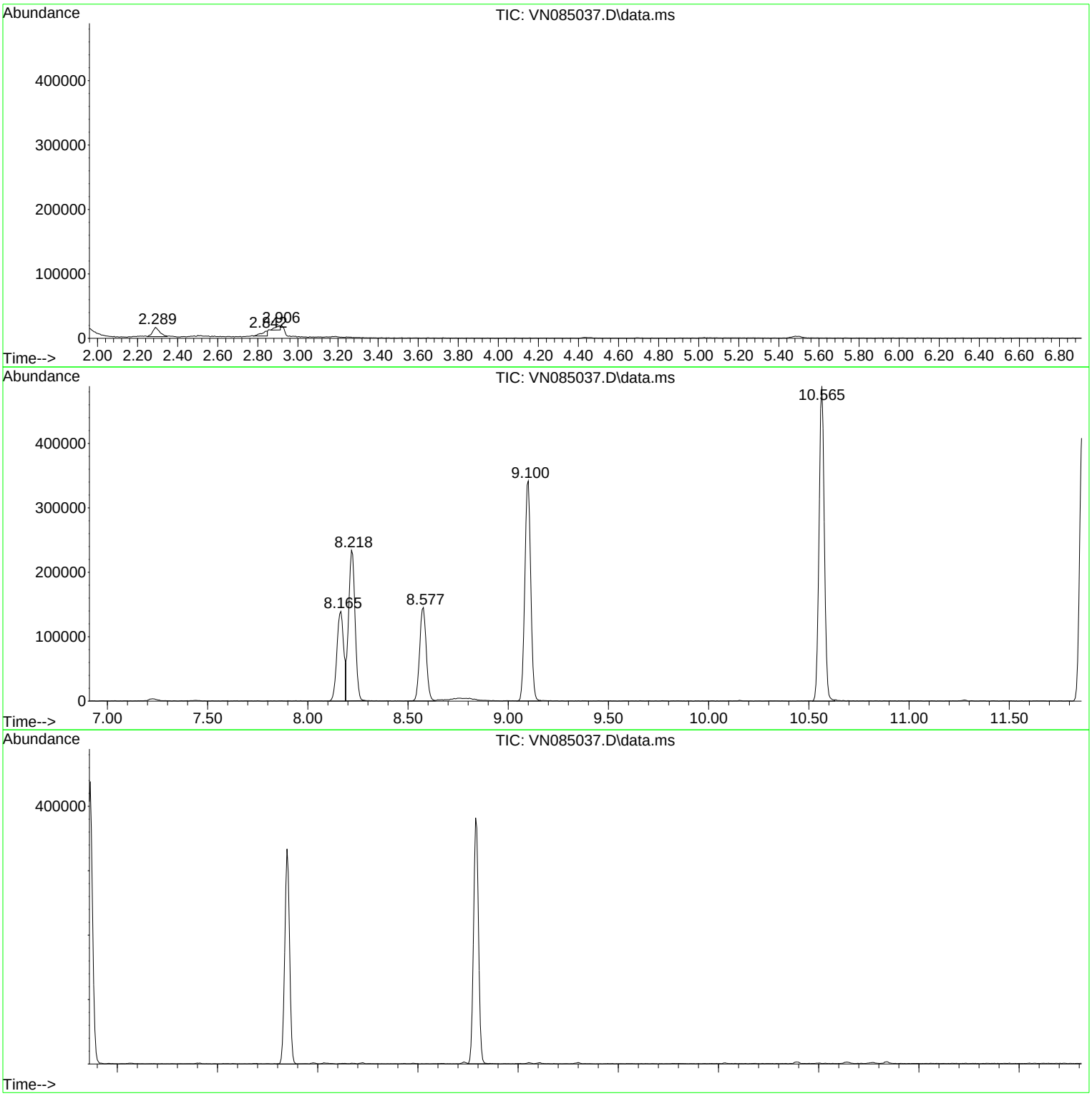
Sample Results: **VN085037.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085037.D
Acq On : 26 Nov 2024 11:45
Operator : JC\MD
Sample : VN1126WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085037.D
Acq On : 26 Nov 2024 11:45
Operator : JC\MD
Sample : VN1126WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085037.D
Acq On : 26 Nov 2024 11:45
Operator : JC\MD
Sample : VN1126WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VN1117WBS01	SDG No.:	P4845
Lab Sample ID:	VN1117WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084887.D	1		11/17/24 11:50	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	19.1		0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	18.3		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	21.5		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	21.3		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	22.2		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.1		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.6		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.9		0.26	0.75	1.00	ug/L
67-64-1	Acetone	93.7		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	16.1		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.6		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	15.4		0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	19.2		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.3		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.0		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	17.8		1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	95.8		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	22.0		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.6		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	21.8		0.18	0.50	1.00	ug/L
67-66-3	Chloroform	19.9		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.6		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	19.4		0.19	0.50	1.00	ug/L
71-43-2	Benzene	19.5		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.1		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.5		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.8		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	21.8		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	120		0.75	2.50	5.00	ug/L
108-88-3	Toluene	23.2		0.18	0.50	1.00	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VN1117WBS01	SDG No.:	P4845
Lab Sample ID:	VN1117WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084887.D	1		11/17/24 11:50	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.8		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	22.0		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	23.2		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	120		1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	24.1		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	22.8		0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	20.9		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.9		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.6		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	41.6		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	21.4		0.14	0.50	1.00	ug/L
100-42-5	Styrene	20.8		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	21.6		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	19.2		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.7		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.5		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.9		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.2		0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.2		0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	14.7		0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	15.3		0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	44.5		81 - 118		89%	SPK: 50
1868-53-7	Dibromofluoromethane	47.6		80 - 119		95%	SPK: 50
2037-26-5	Toluene-d8	51.0		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.3		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	152000	8.218				
540-36-3	1,4-Difluorobenzene	245000	9.1				
3114-55-4	Chlorobenzene-d5	237000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	124000	13.788				

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Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VN1117WBS01	SDG No.:	P4845
Lab Sample ID:	VN1117WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084887.D	1		11/17/24 11:50	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084887.D
Acq On : 17 Nov 2024 11:50
Operator : JC\MD
Sample : VN1117WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 18 00:16:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Manual Integrations APPROVED
Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	152221	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	245406	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	237456	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	124353	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	97806	44.486	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 88.980%			
35) Dibromofluoromethane	8.159	113	79099	47.618	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.240%			
50) Toluene-d8	10.565	98	312209	51.023	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.040%			
62) 4-Bromofluorobenzene	12.847	95	121951	53.327	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	33482	19.134	ug/l	96
3) Chloromethane	2.359	50	40896	18.320	ug/l	96
4) Vinyl Chloride	2.512	62	40518	21.528	ug/l	98
5) Bromomethane	2.901	94	21273	21.333	ug/l	96
6) Chloroethane	3.077	64	26808	22.236	ug/l	93
7) Trichlorofluoromethane	3.471	101	62456	20.145	ug/l	98
8) Diethyl Ether	3.959	74	20276	18.539	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.353	101	36137	20.628	ug/l #	87
10) Methyl Iodide	4.577	142	46260	19.758	ug/l	91
11) Tert butyl alcohol	5.536	59	25739	88.692	ug/l #	86
12) 1,1-Dichloroethene	4.324	96	32713	18.871	ug/l	89
13) Acrolein	4.165	56	24280	83.902	ug/l	100
14) Allyl chloride	5.012	41	49280	17.529	ug/l	94
15) Acrylonitrile	5.718	53	80067	95.302	ug/l	98
16) Acetone	4.424	43	60652	93.719	ug/l	99
17) Carbon Disulfide	4.695	76	86152	16.138	ug/l	96
18) Methyl Acetate	5.024	43	42081	15.375	ug/l	94
19) Methyl tert-butyl Ether	5.789	73	104057	19.585	ug/l	98
20) Methylene Chloride	5.265	84	37118	19.195	ug/l	85
21) trans-1,2-Dichloroethene	5.771	96	32531	18.276	ug/l	96
22) Diisopropyl ether	6.665	45	106104	18.995	ug/l	98
23) Vinyl Acetate	6.600	43	360361	93.547	ug/l	98
24) 1,1-Dichloroethane	6.565	63	63877	19.047	ug/l	94
25) 2-Butanone	7.483	43	98266	95.803	ug/l	97
26) 2,2-Dichloropropane	7.489	77	60746	20.811	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	38581	18.563	ug/l	98
28) Bromochloromethane	7.806	49	29096	21.776	ug/l	88
29) Tetrahydrofuran	7.836	42	64385	94.618	ug/l	95
30) Chloroform	7.959	83	67787	19.859	ug/l	96
31) Cyclohexane	8.247	56	54042	17.804	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	63994	20.598	ug/l	96
36) 1,1-Dichloropropene	8.365	75	44124	19.153	ug/l	98
37) Ethyl Acetate	7.553	43	42411	20.291	ug/l	98
38) Carbon Tetrachloride	8.359	117	56527	21.952	ug/l	92
39) Methylcyclohexane	9.594	83	45566	19.442	ug/l	99
40) Benzene	8.600	78	144450	19.524	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084887.D
Acq On : 17 Nov 2024 11:50
Operator : JC\MD
Sample : VN1117WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 18 00:16:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.777	41	23599	20.995 ug/l		96
42) 1,2-Dichloroethane	8.665	62	50652	21.140 ug/l		98
43) Isopropyl Acetate	8.688	43	74424	18.669 ug/l		98
44) Trichloroethene	9.347	130	33330	19.534 ug/l		98
45) 1,2-Dichloropropane	9.618	63	34329	19.780 ug/l		98
46) Dibromomethane	9.706	93	25116	20.509 ug/l		95
47) Bromodichloromethane	9.883	83	56164	21.757 ug/l		98
48) Methyl methacrylate	9.677	41	31939	19.634 ug/l		94
49) 1,4-Dioxane	9.694	88	12299	426.655 ug/l	#	79
51) 4-Methyl-2-Pentanone	10.441	43	242457	121.681 ug/l		98
52) Toluene	10.624	92	100207	23.159 ug/l		99
53) t-1,3-Dichloropropene	10.829	75	55520	20.778 ug/l		99
54) cis-1,3-Dichloropropene	10.306	75	62094	21.956 ug/l		94
55) 1,1,2-Trichloroethane	11.018	97	37735	23.152 ug/l		98
56) Ethyl methacrylate	10.871	69	56149	23.816 ug/l		95
57) 1,3-Dichloropropane	11.159	76	64356	23.007 ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	92951	84.256 ug/l		93
59) 2-Hexanone	11.194	43	177482	122.372 ug/l		100
60) Dibromochloromethane	11.359	129	44738	24.084 ug/l		100
61) 1,2-Dibromoethane	11.465	107	38062	22.804 ug/l		100
64) Tetrachloroethene	11.100	164	32974	20.877 ug/l		95
65) Chlorobenzene	11.888	112	105672	19.892 ug/l		92
66) 1,1,1,2-Tetrachloroethane	11.959	131	38455	20.811 ug/l		99
67) Ethyl Benzene	11.959	91	174156	19.640 ug/l		98
68) m/p-Xylenes	12.071	106	139516	41.559 ug/l		99
69) o-Xylene	12.394	106	67119	21.372 ug/l		99
70) Styrene	12.412	104	113957	20.801 ug/l		99
71) Bromoform	12.576	173	30083	21.636 ug/l	#	99
73) Isopropylbenzene	12.694	105	167648	19.238 ug/l		100
74) N-amyl acetate	12.494	43	71216	19.201 ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.935	83	57353	19.717 ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	46775m	18.817 ug/l		
77) Bromobenzene	12.976	156	41923	17.895 ug/l		99
78) n-propylbenzene	13.035	91	197703	19.360 ug/l		99
79) 2-Chlorotoluene	13.123	91	128127	19.202 ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	146613	20.299 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	18945	18.081 ug/l		90
82) 4-Chlorotoluene	13.218	91	129830	18.489 ug/l		99
83) tert-Butylbenzene	13.435	119	119970	20.070 ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	150913	20.245 ug/l		98
85) sec-Butylbenzene	13.612	105	165605	19.613 ug/l		99
86) p-Isopropyltoluene	13.729	119	138725	20.033 ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	79850	17.465 ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	82241	18.909 ug/l		98
89) n-Butylbenzene	14.053	91	111622	17.232 ug/l		98
90) Hexachloroethane	14.335	117	27964	18.108 ug/l		96
91) 1,2-Dichlorobenzene	14.106	146	79916	18.190 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10700	18.158 ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	35324	14.690 ug/l		99
94) Hexachlorobutadiene	15.500	225	18663	17.673 ug/l		94
95) Naphthalene	15.641	128	108489	15.073 ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	35810	15.341 ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084887.D
Acq On : 17 Nov 2024 11:50
Operator : JC\MD
Sample : VN1117WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 18 00:16:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Manual Integrations APPROVED

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084887.D
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

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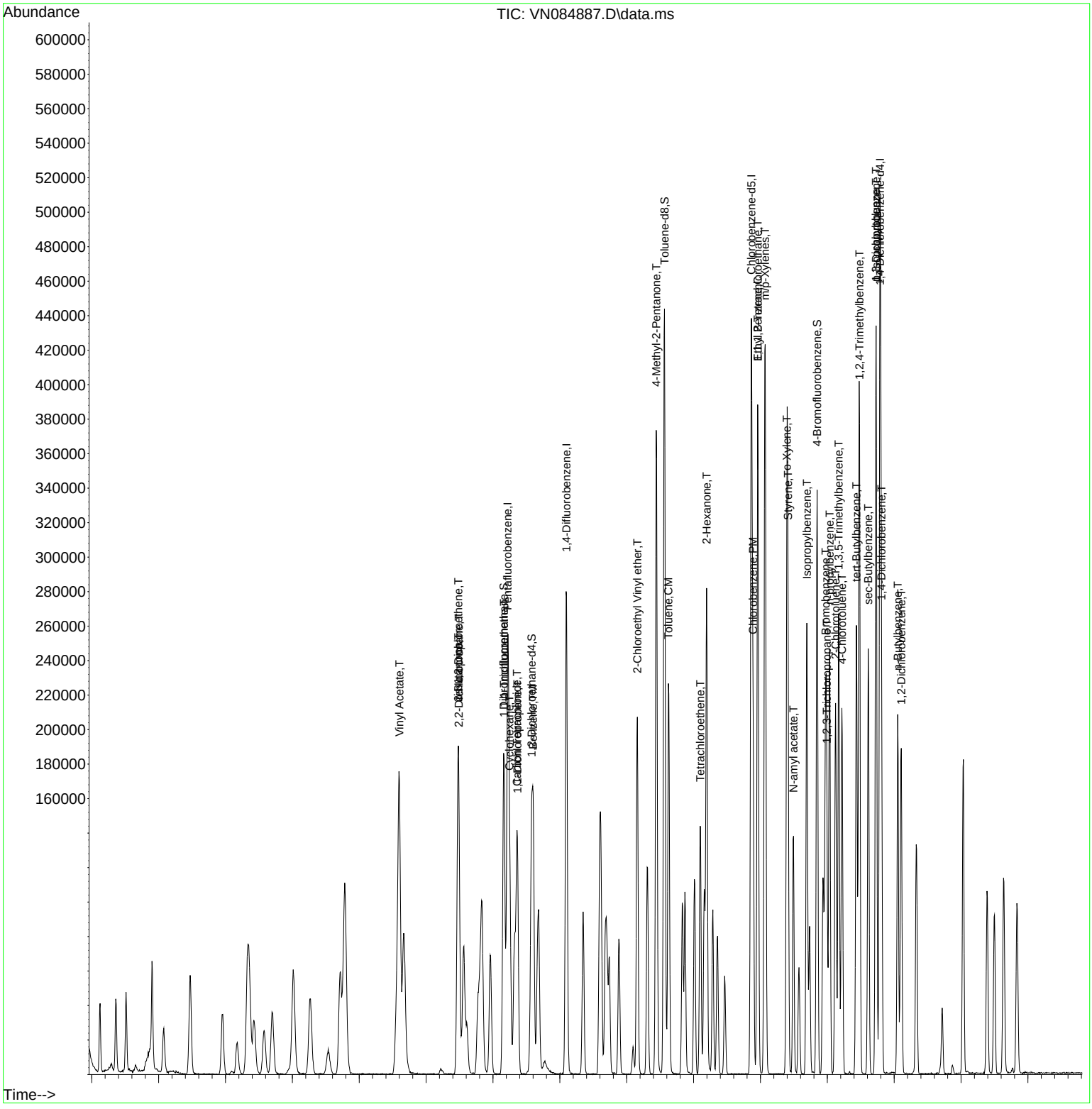
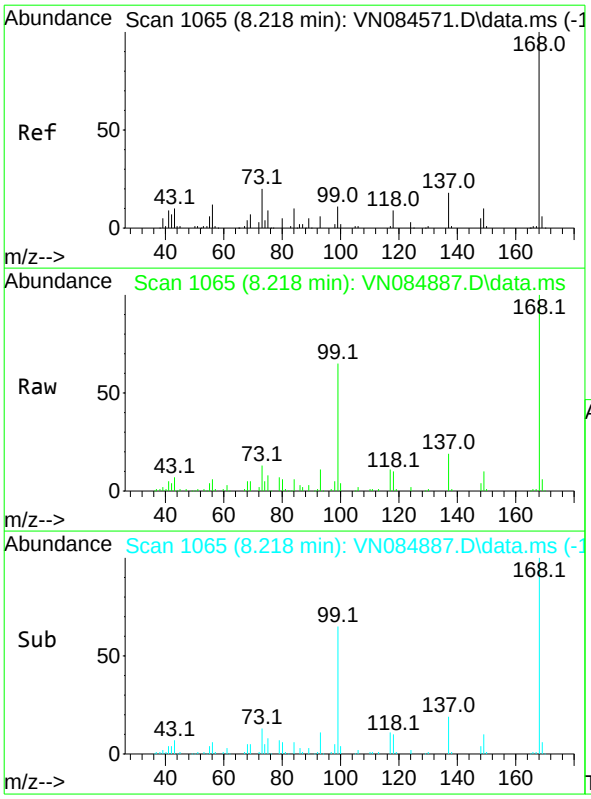
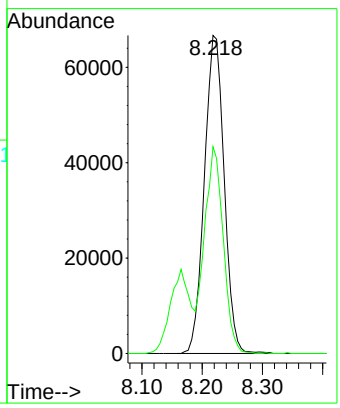




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:168 Resp: 152221

Ion	Ratio	Lower	Upper
168	100		
99	65.0	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

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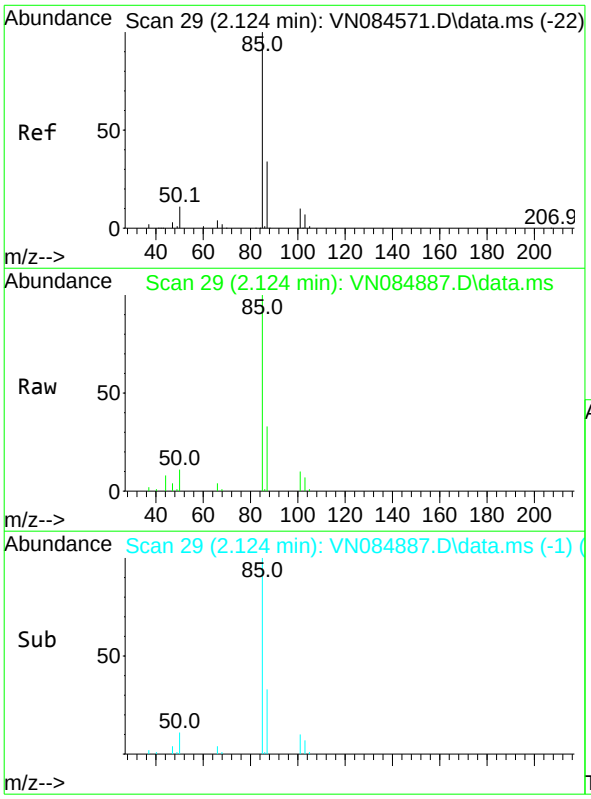
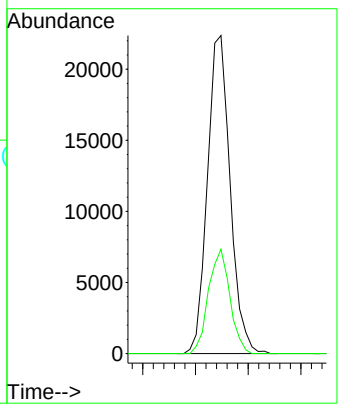
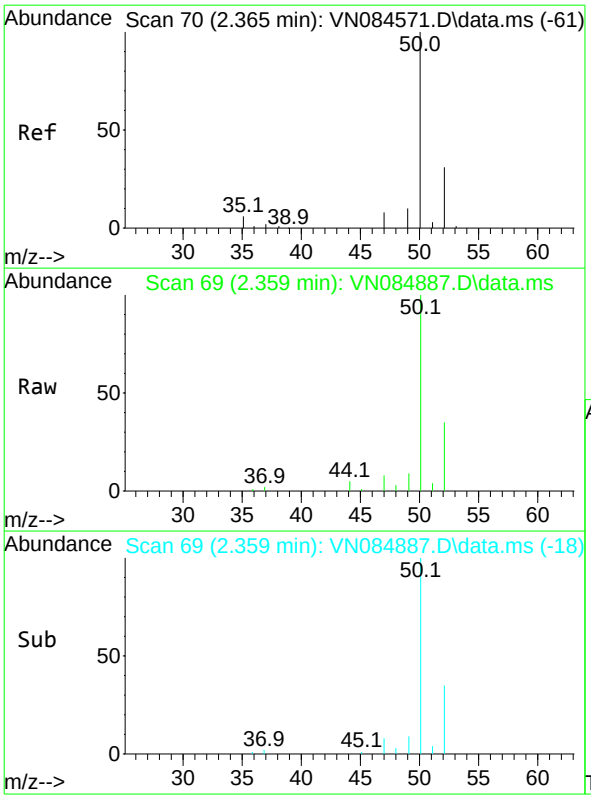


#2
Dichlorodifluoromethane
Concen: 19.134 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 85 Resp: 33482

Ion	Ratio	Lower	Upper
85	100		
87	32.8	17.6	52.9

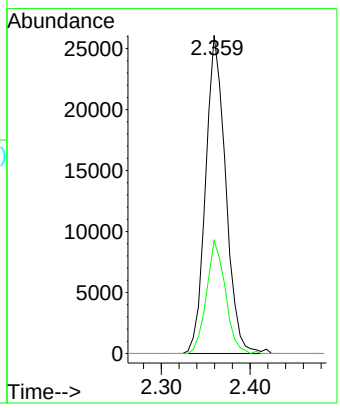




#3
Chloromethane
Concen: 18.320 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 50 Resp: 40896

Ion	Ratio	Lower	Upper
50	100		
52	35.5	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Manual Integrations APPROVED

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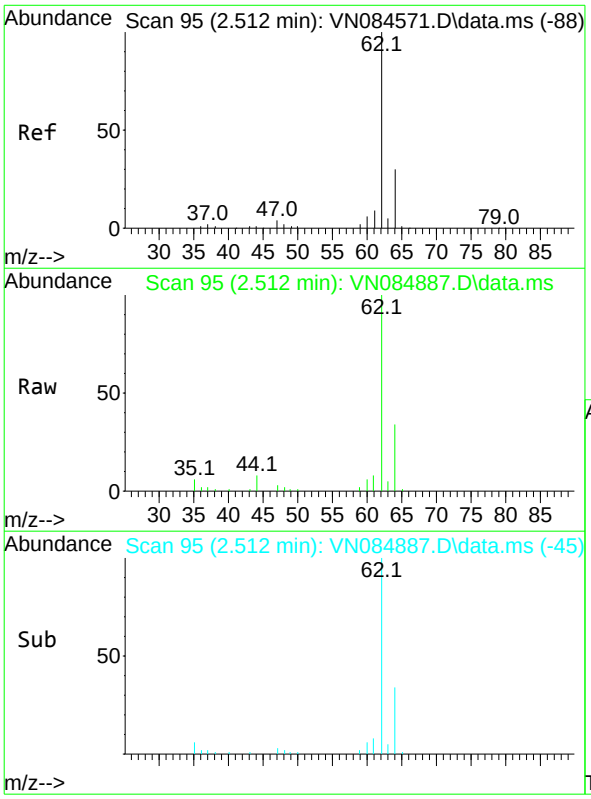
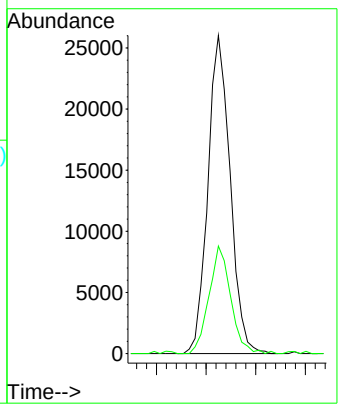
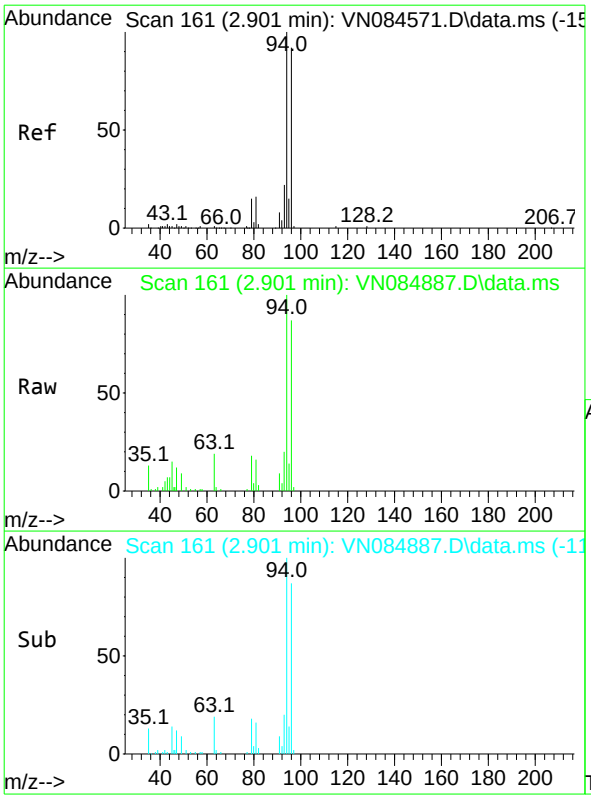


#4
Vinyl Chloride
Concen: 21.528 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 62 Resp: 40518

Ion	Ratio	Lower	Upper
62	100		
64	33.8	26.2	39.4

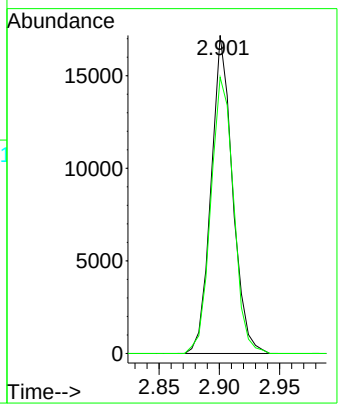




#5
Bromomethane
Concen: 21.333 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.052 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 94 Resp: 21273

Ion	Ratio	Lower	Upper
94	100		
96	86.9	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Manual Integrations APPROVED

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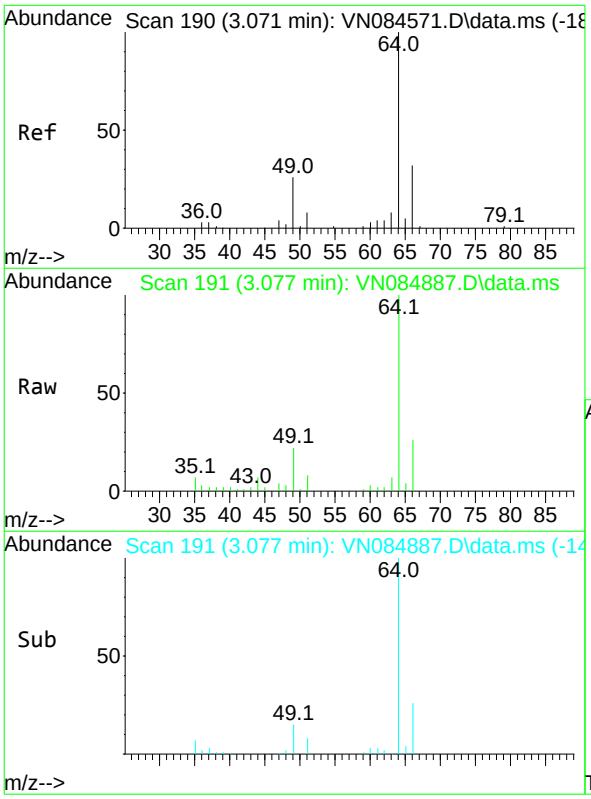
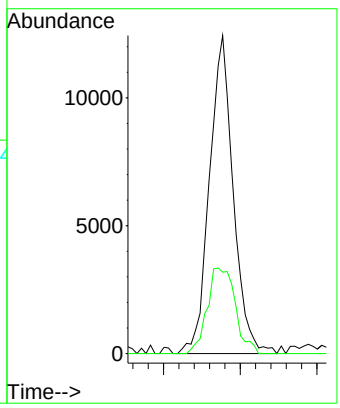
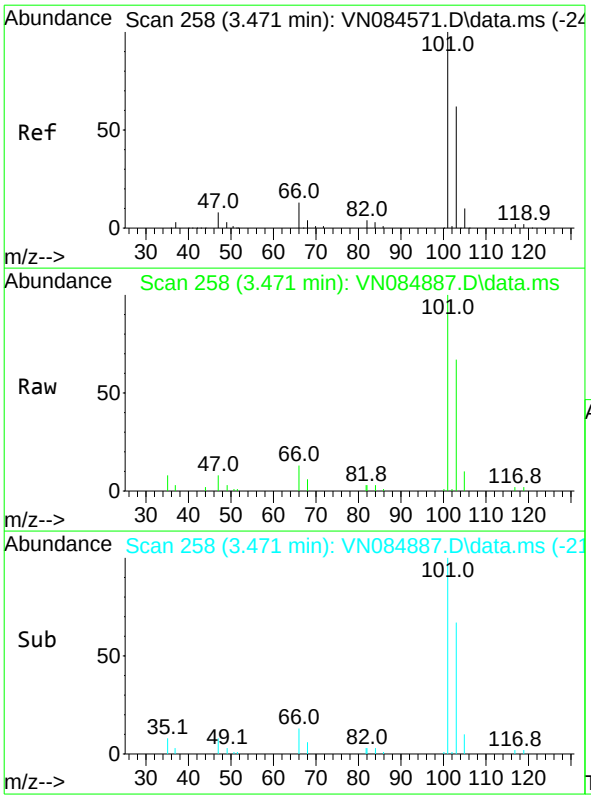


#6
Chloroethane
Concen: 22.236 ug/l
RT: 3.077 min Scan# 191
Delta R.T. -0.041 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 64 Resp: 26808

Ion	Ratio	Lower	Upper
64	100		
66	25.6	23.5	35.3

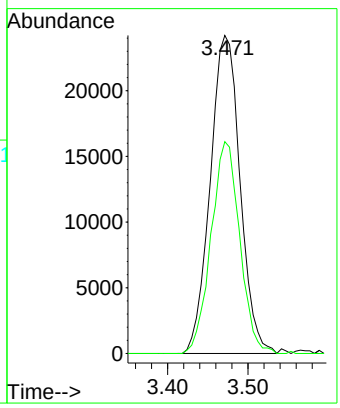




#7
Trichlorofluoromethane
Concen: 20.145 ug/l
RT: 3.471 min Scan# 25
Delta R.T. -0.024 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:101 Resp: 62456

Ion	Ratio	Lower	Upper
101	100		
103	66.6	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

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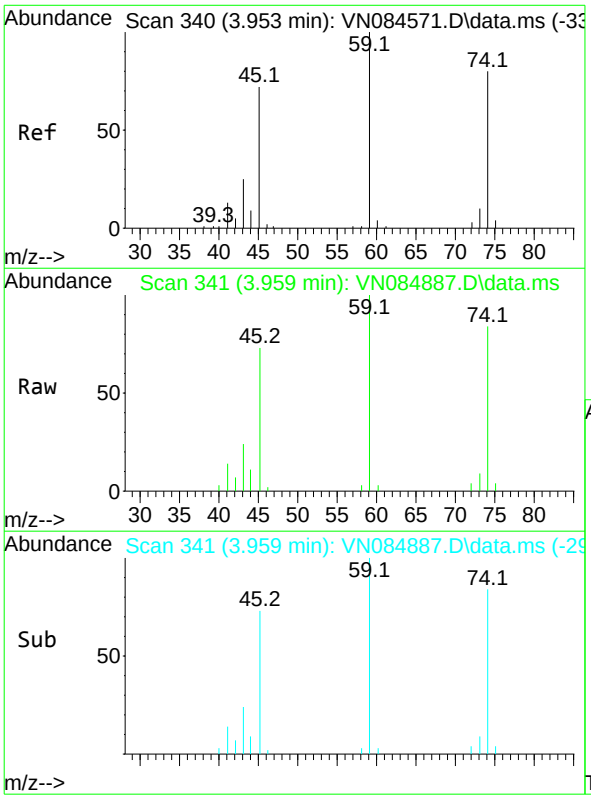
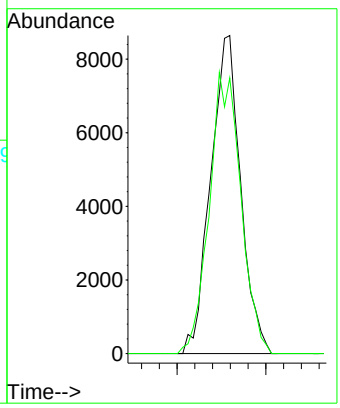
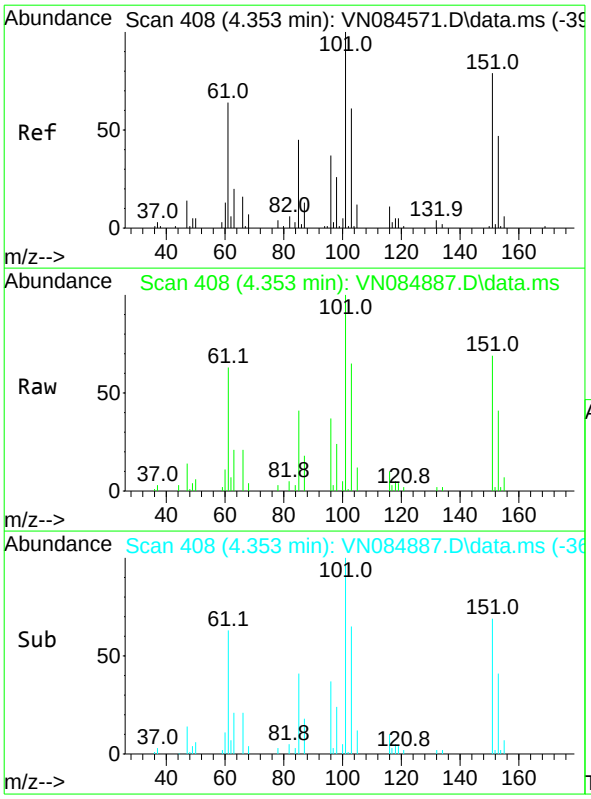


#8
Diethyl Ether
Concen: 18.539 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 74 Resp: 20276

Ion	Ratio	Lower	Upper
74	100		
45	92.9	47.7	143.1

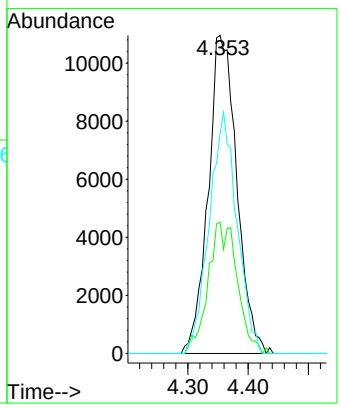




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.628 ug/l
RT: 4.353 min Scan# 40
Delta R.T. -0.018 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:101 Resp: 36137

Ion	Ratio	Lower	Upper
101	100		
85	23.6	36.2	54.4#
151	73.7	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Manual Integrations
APPROVED

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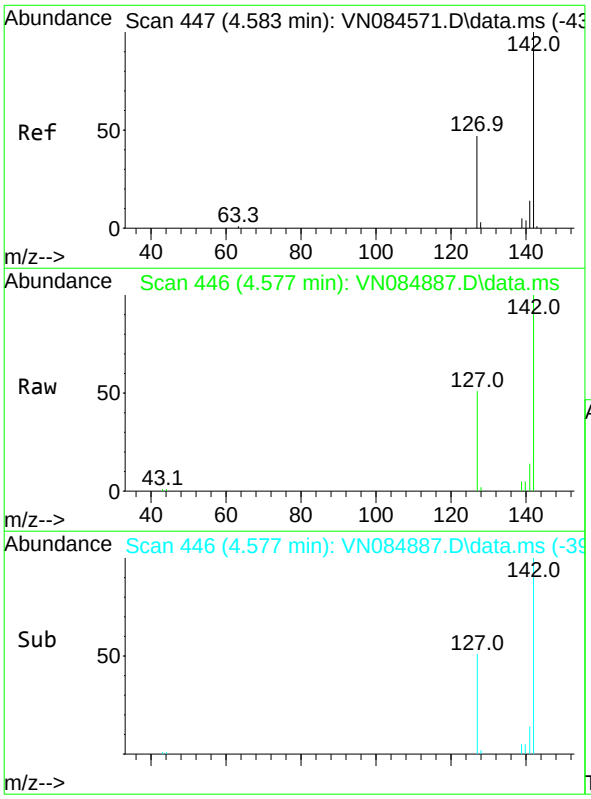
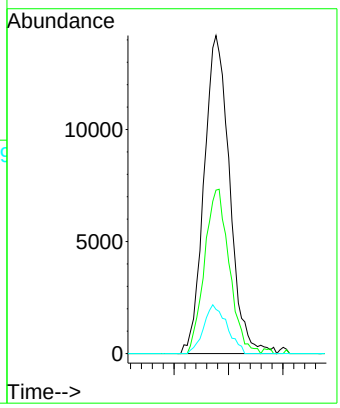
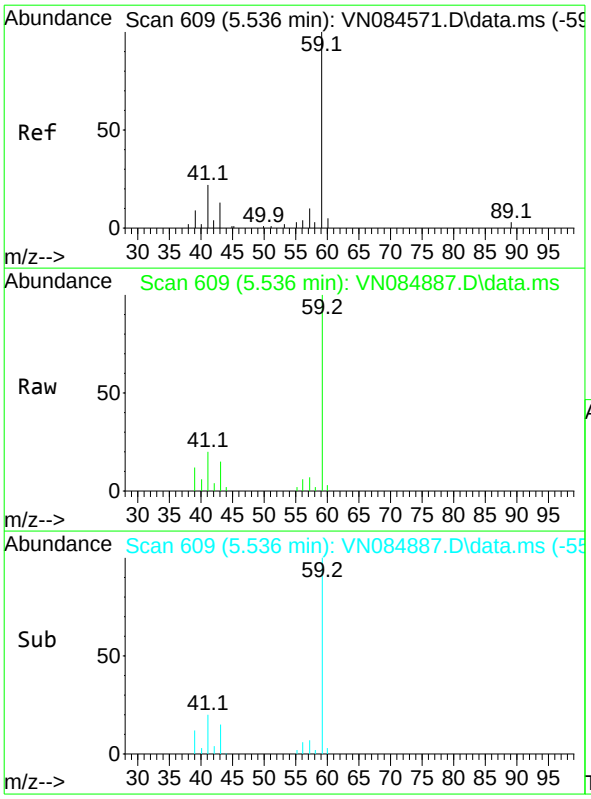


#10
Methyl Iodide
Concen: 19.758 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:142 Resp: 46260

Ion	Ratio	Lower	Upper
142	100		
127	51.4	35.3	52.9
141	13.9	11.0	16.6

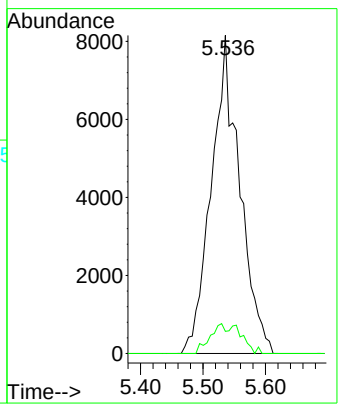




#11
Tert butyl alcohol
Concen: 88.692 ug/l
RT: 5.536 min Scan# 60
Delta R.T. 0.012 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 59 Resp: 25739

Ion	Ratio	Lower	Upper
59	100		
57	5.2	8.2	12.2#



Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

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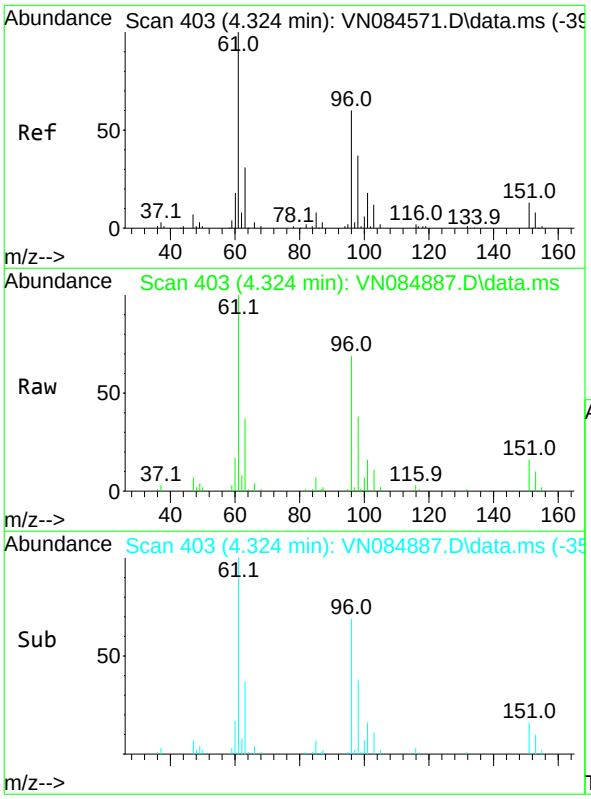
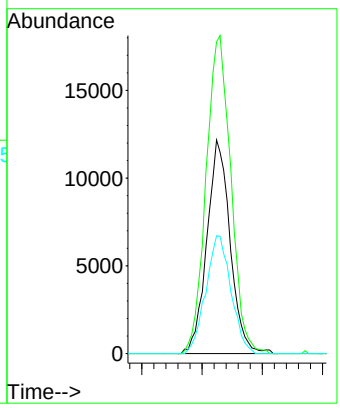
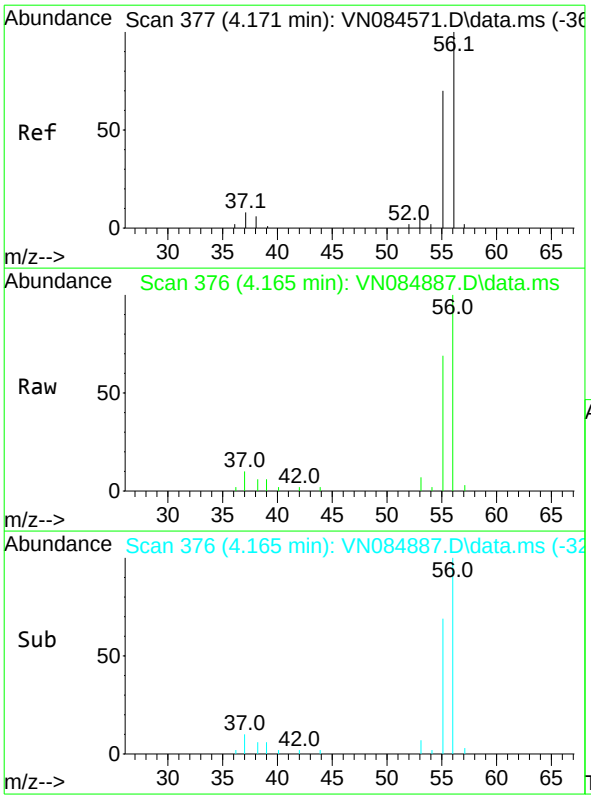


#12
1,1-Dichloroethene
Concen: 18.871 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 96 Resp: 32713

Ion	Ratio	Lower	Upper
96	100		
61	145.9	128.6	192.8
98	55.1	51.7	77.5

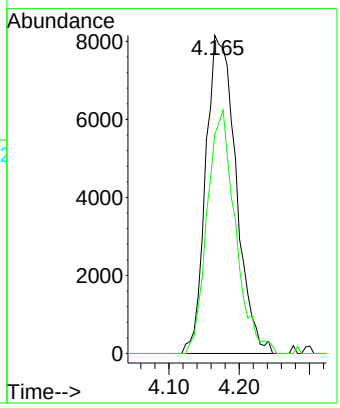




#13
Acrolein
Concen: 83.902 ug/l
RT: 4.165 min Scan# 37
Delta R.T. -0.012 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 56 Resp: 24280

Ion	Ratio	Lower	Upper
56	100		
55	71.7	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
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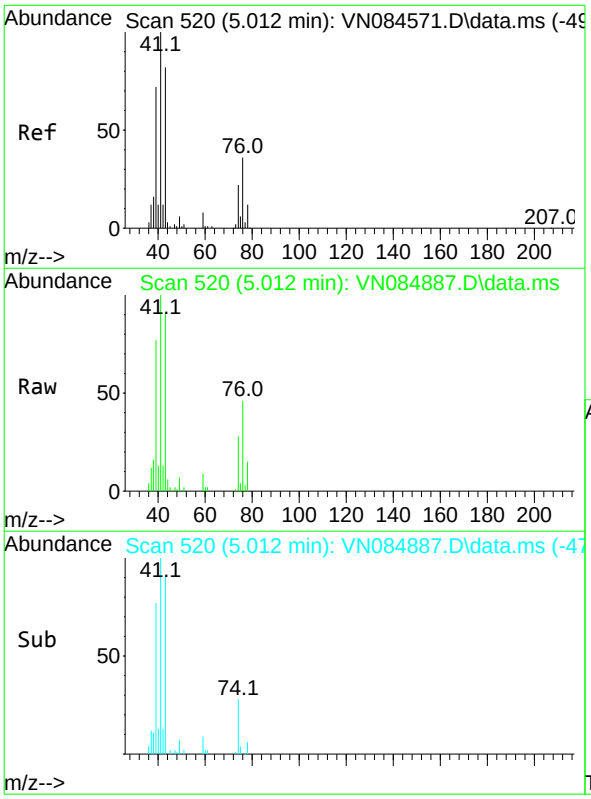
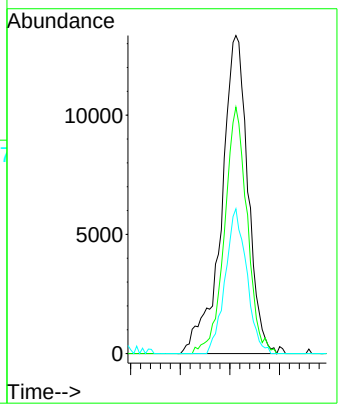
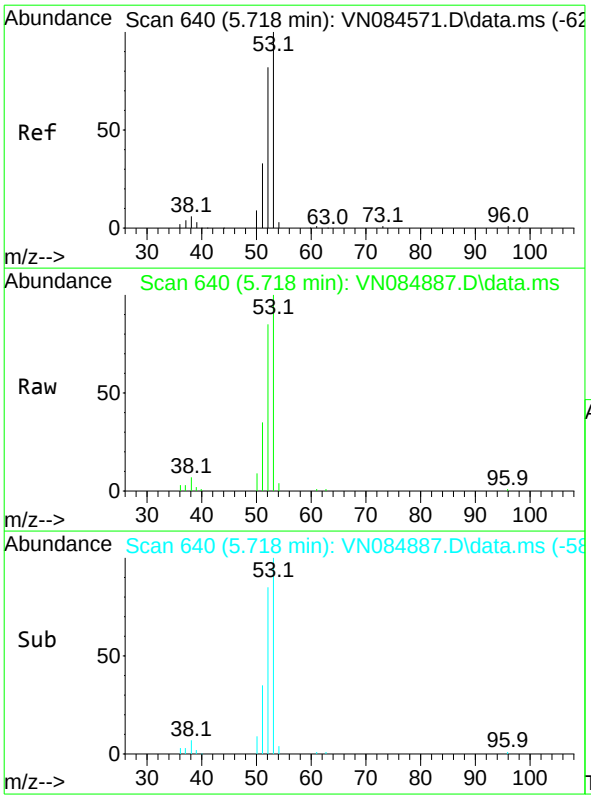


#14
Allyl chloride
Concen: 17.529 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 41 Resp: 49280

Ion	Ratio	Lower	Upper
41	100		
39	66.3	59.0	88.6
76	36.9	29.8	44.6

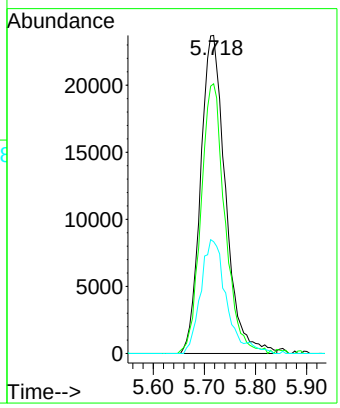




#15
Acrylonitrile
Concen: 95.302 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 53 Resp: 80067

Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.2	99.4
51	37.1	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
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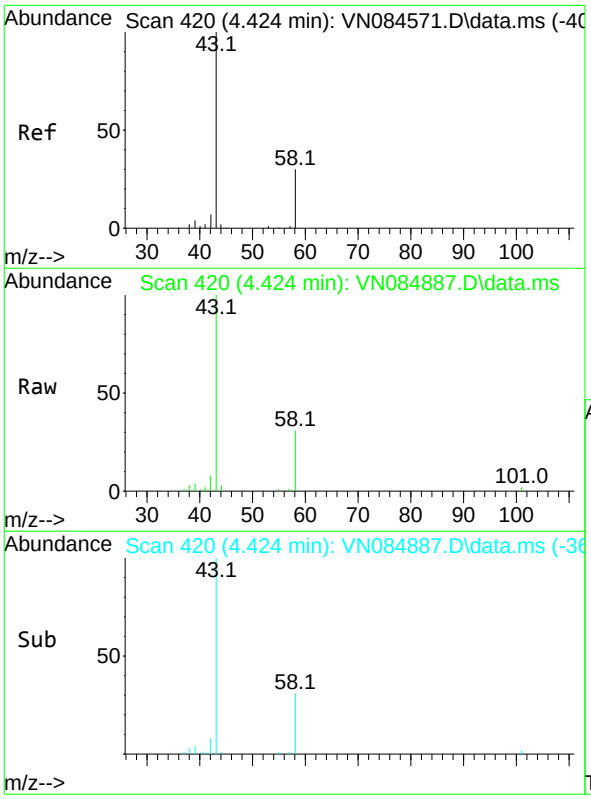
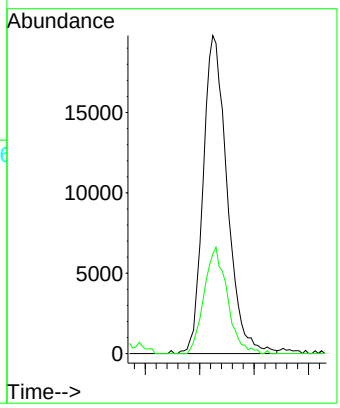
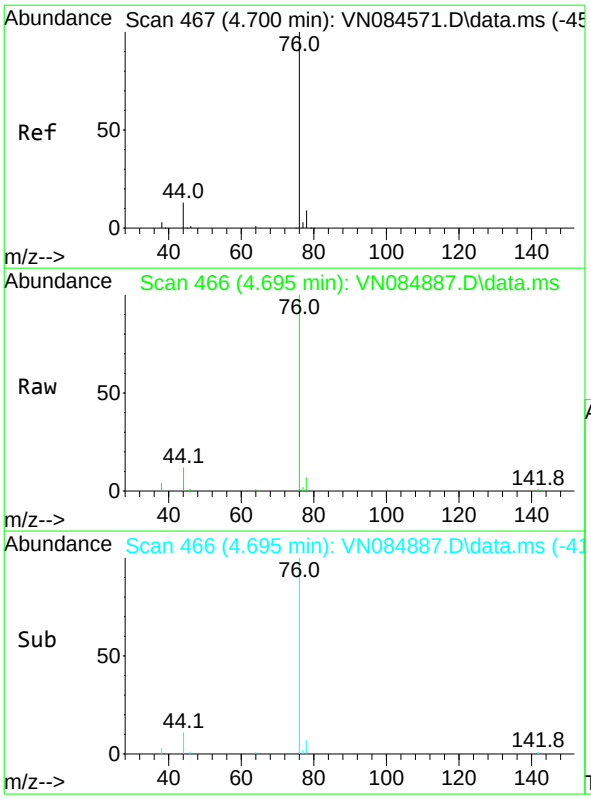


#16
Acetone
Concen: 93.719 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 43 Resp: 60652

Ion	Ratio	Lower	Upper
43	100		
58	31.2	24.4	36.6

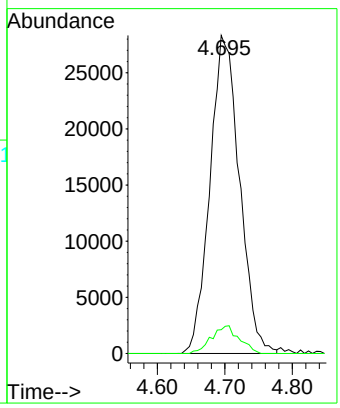




#17
Carbon Disulfide
Concen: 16.138 ug/l
RT: 4.695 min Scan# 46
Delta R.T. -0.017 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 76 Resp: 86152

Ion	Ratio	Lower	Upper
76	100		
78	7.5	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

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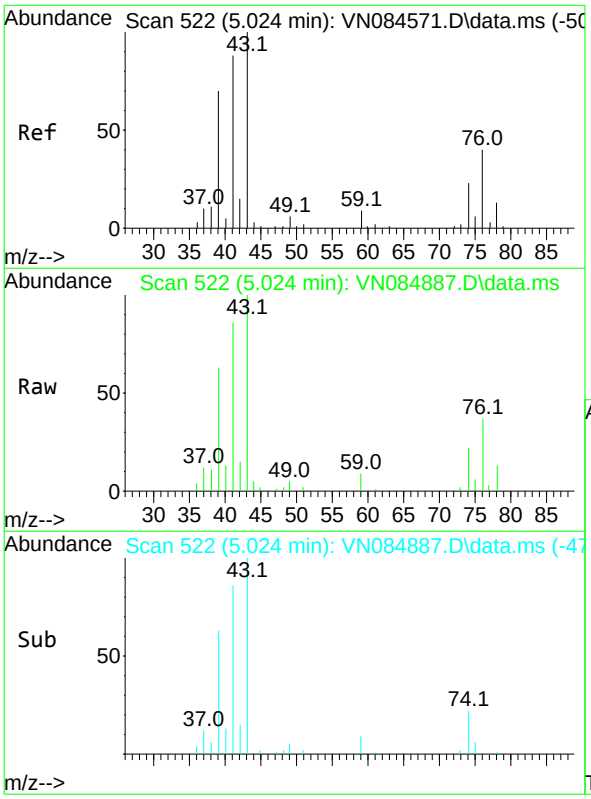
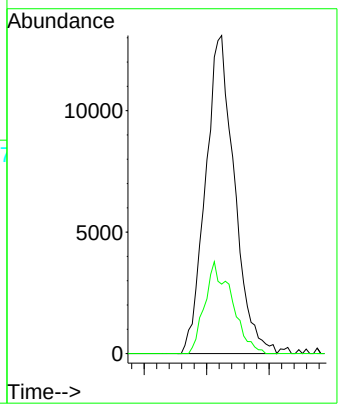
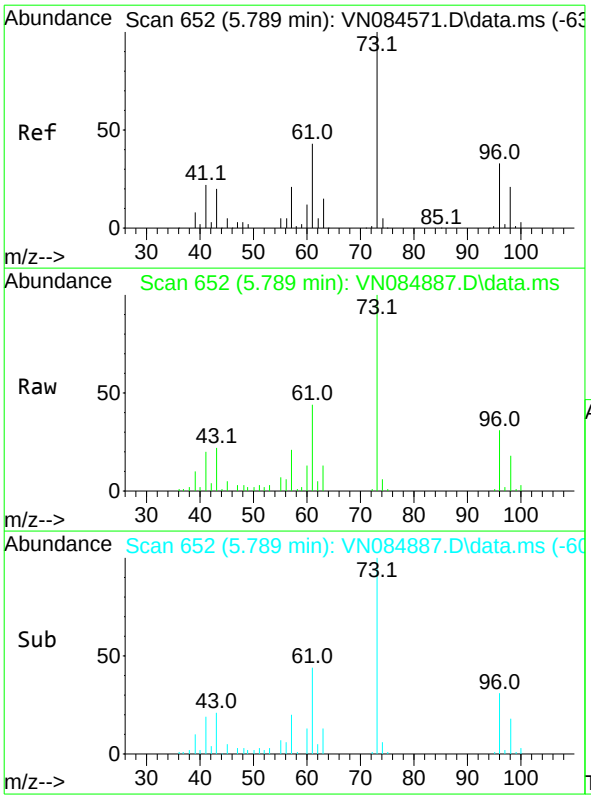


#18
Methyl Acetate
Concen: 15.375 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 43 Resp: 42081

Ion	Ratio	Lower	Upper
43	100		
74	27.2	19.2	28.8

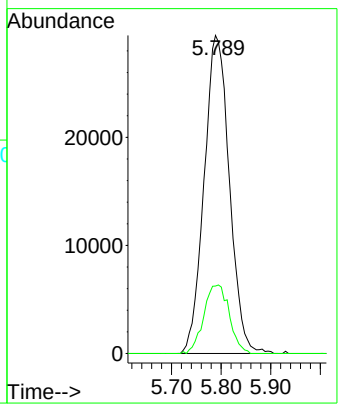




#19
Methyl tert-butyl Ether
Concen: 19.585 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 73 Resp: 104057

Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

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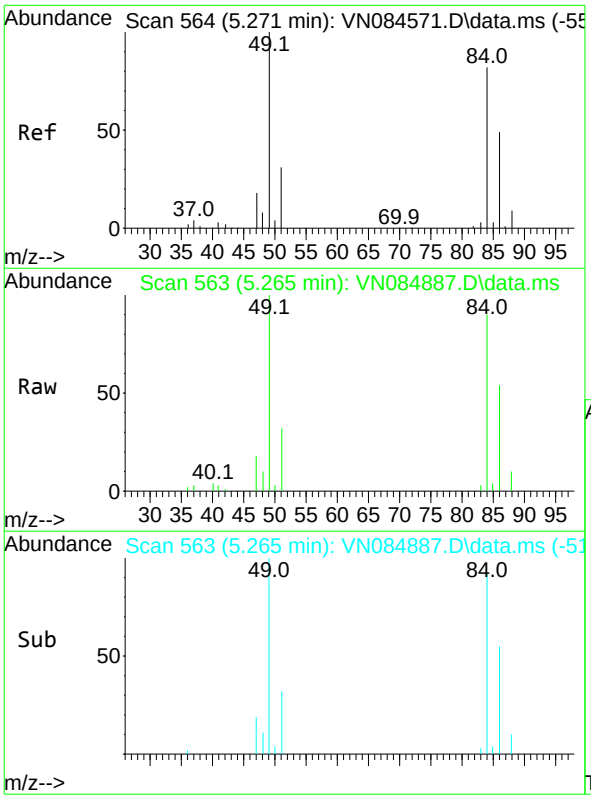
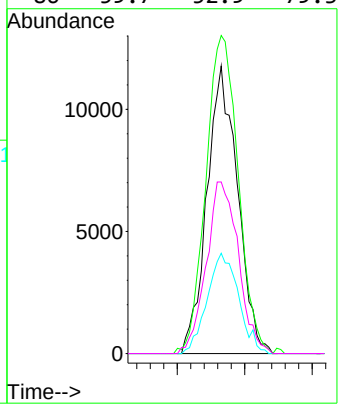
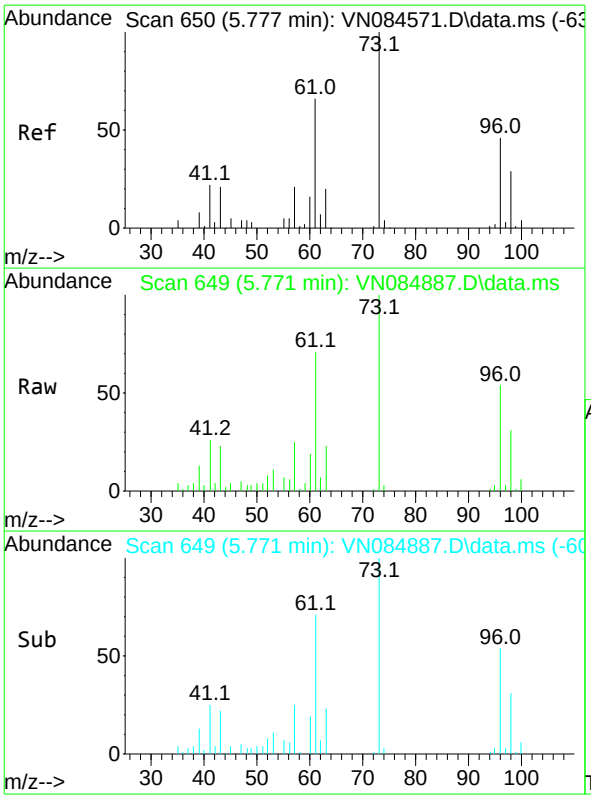


#20
Methylene Chloride
Concen: 19.195 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 84 Resp: 37118

Ion	Ratio	Lower	Upper
84	100		
49	108.8	107.2	160.8
51	34.9	31.8	47.8
86	59.7	52.9	79.3

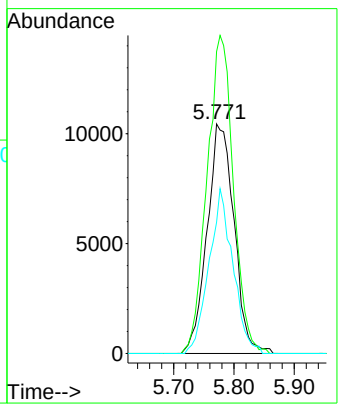




#21
trans-1,2-Dichloroethene
Concen: 18.276 ug/l
RT: 5.771 min Scan# 64
Delta R.T. -0.018 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 96 Resp: 32531

Ion	Ratio	Lower	Upper
96	100		
61	131.5	108.4	162.6
98	57.1	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

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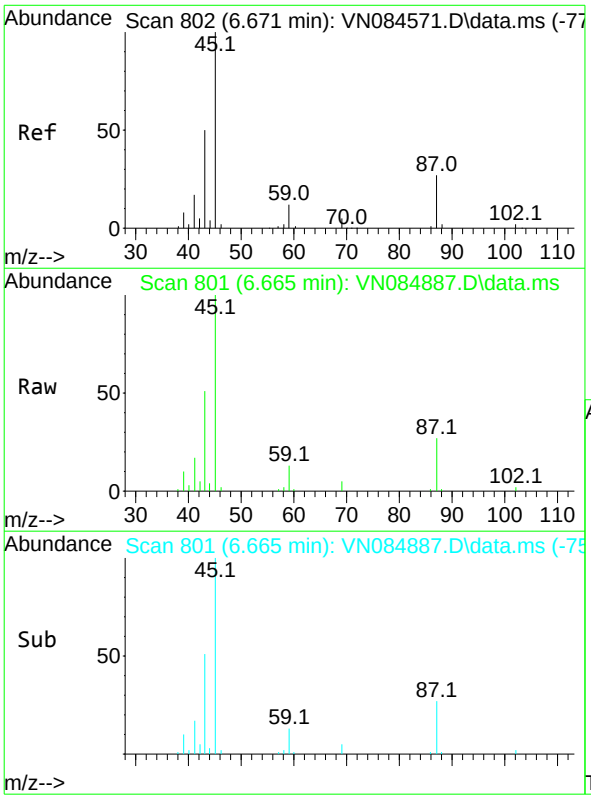
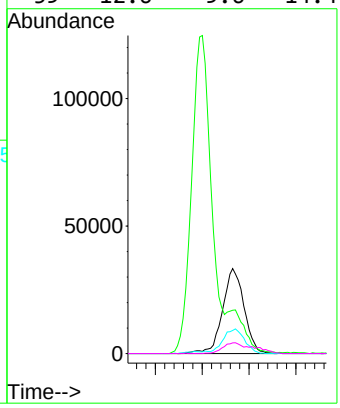
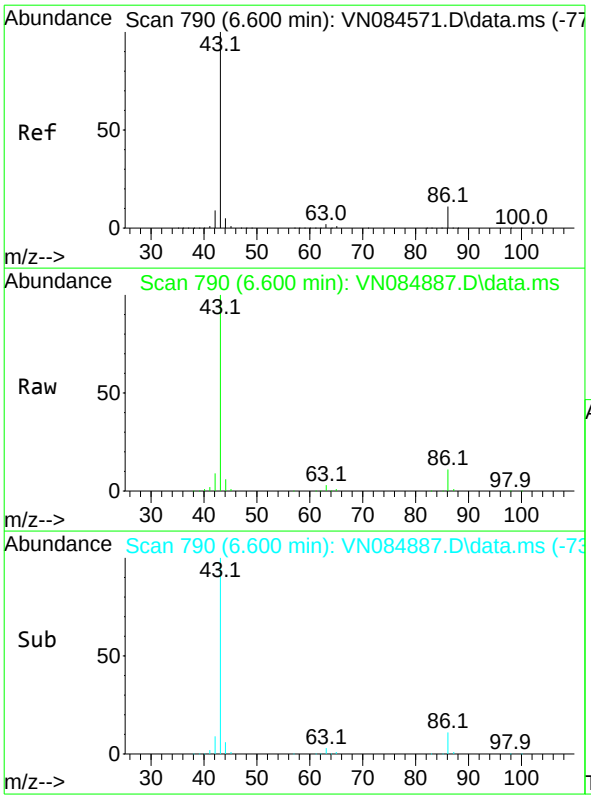


#22
Diisopropyl ether
Concen: 18.995 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 45 Resp: 106104

Ion	Ratio	Lower	Upper
45	100		
43	50.2	42.3	63.5
87	27.2	21.8	32.6
59	12.6	9.6	14.4

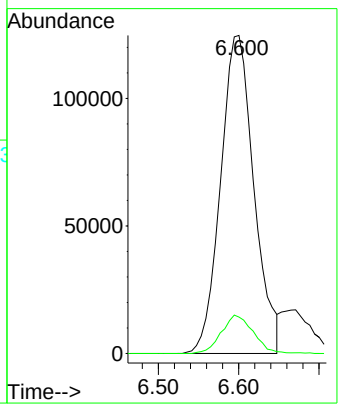




#23
Vinyl Acetate
Concen: 93.547 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 43 Resp: 360361

Ion	Ratio	Lower	Upper
43	100		
86	11.4	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
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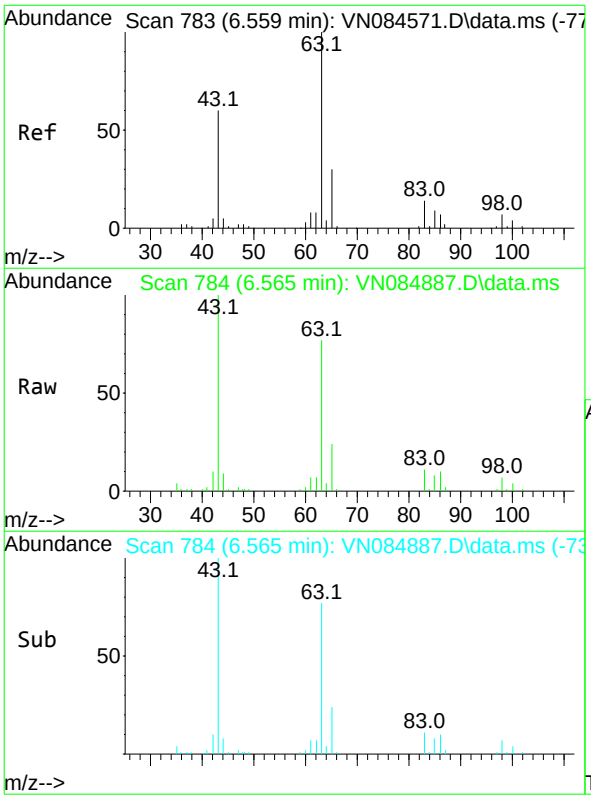
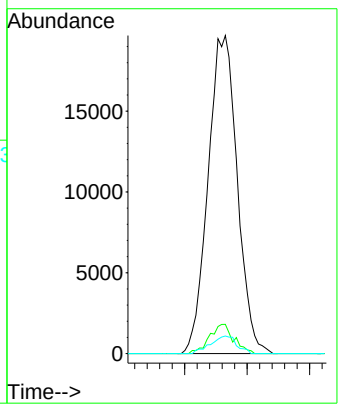
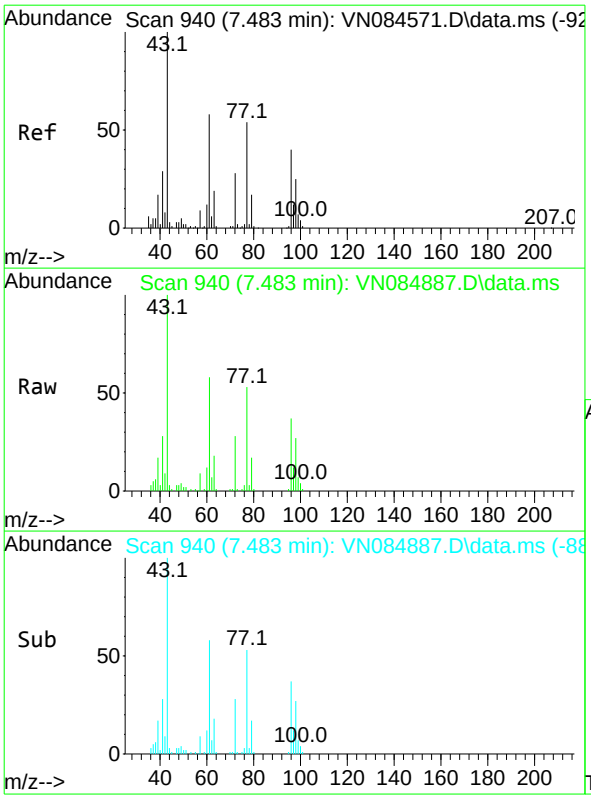


#24
1,1-Dichloroethane
Concen: 19.047 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 63 Resp: 63877

Ion	Ratio	Lower	Upper
63	100		
98	9.2	3.4	10.2
100	5.5	2.0	5.8

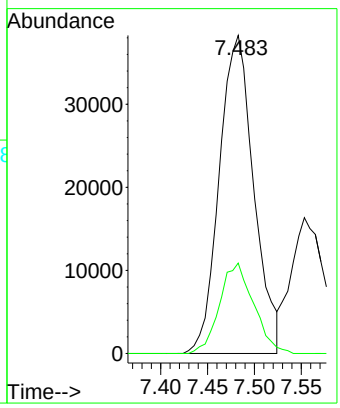




#25
2-Butanone
Concen: 95.803 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 43 Resp: 98266

Ion	Ratio	Lower	Upper
43	100		
72	28.4	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

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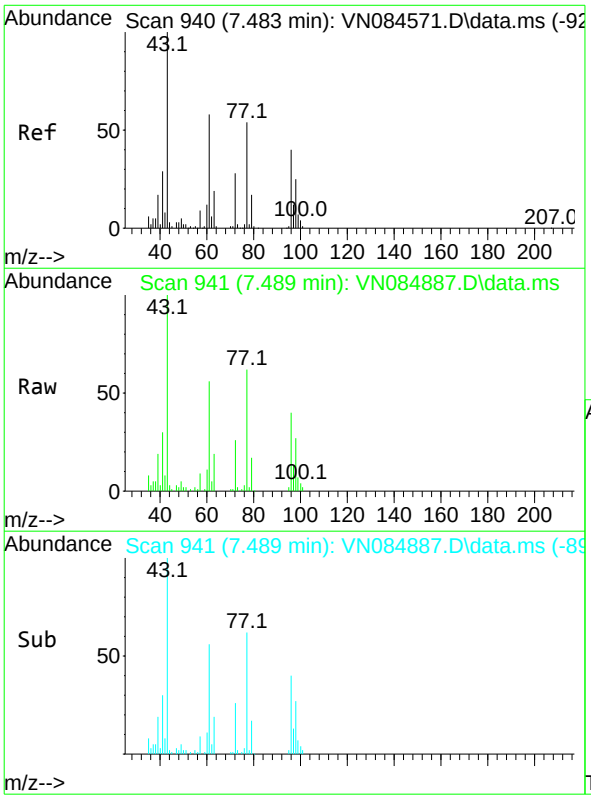
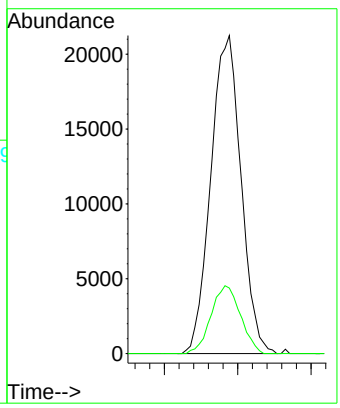
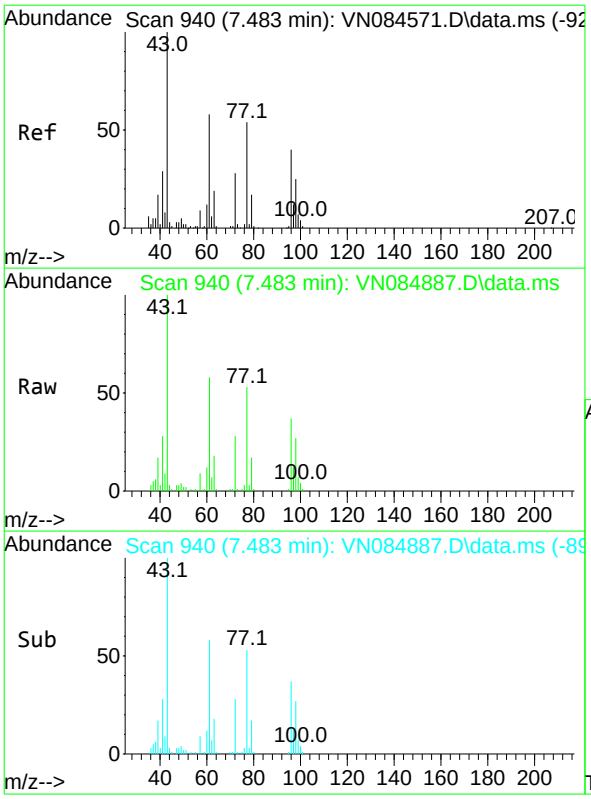


#26
2,2-Dichloropropane
Concen: 20.811 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 77 Resp: 60746

Ion	Ratio	Lower	Upper
77	100		
97	20.8	10.8	32.3

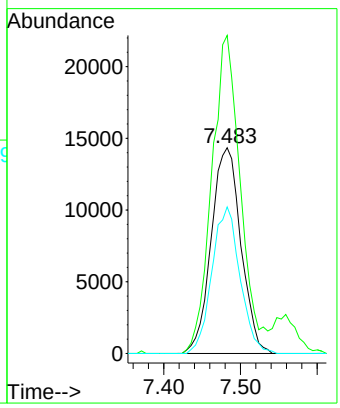




#27
cis-1,2-Dichloroethene
Concen: 18.563 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 96 Resp: 38581

Ion	Ratio	Lower	Upper
96	100		
61	149.5	0.0	301.8
98	67.2	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

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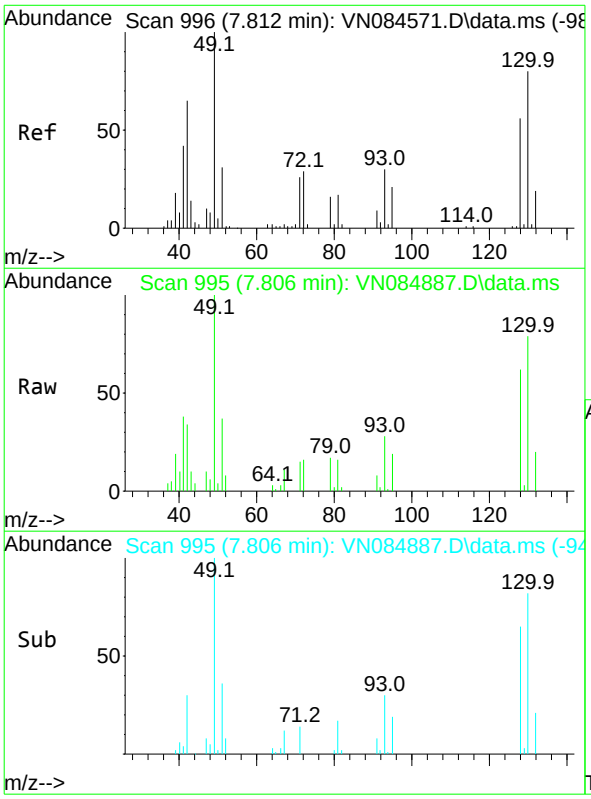
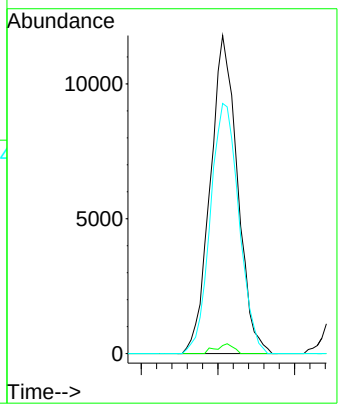
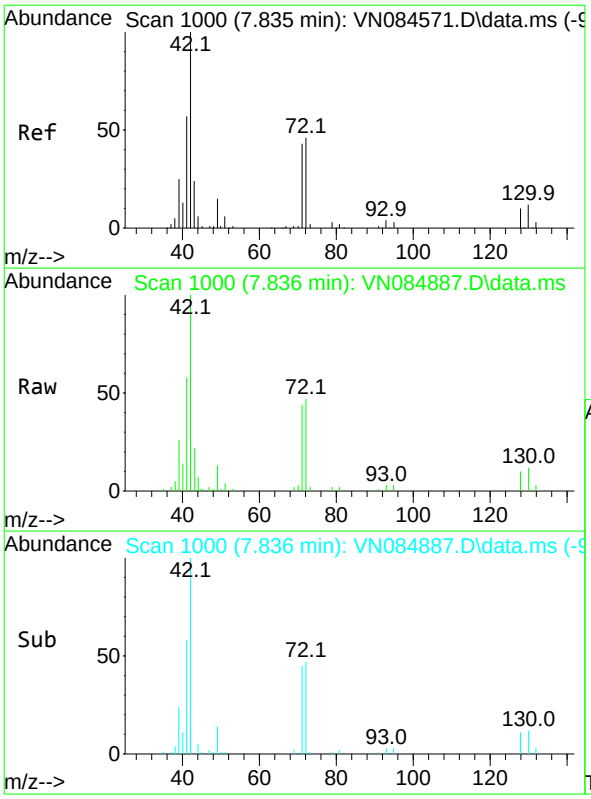


#28
Bromochloromethane
Concen: 21.776 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 49 Resp: 29096

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	82.5	58.0	87.0

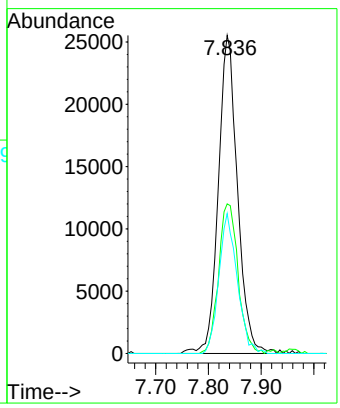




#29
Tetrahydrofuran
Concen: 94.618 ug/l
RT: 7.836 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 42 Resp: 64385

Ion	Ratio	Lower	Upper
42	100		
72	48.0	34.6	51.8
71	42.3	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
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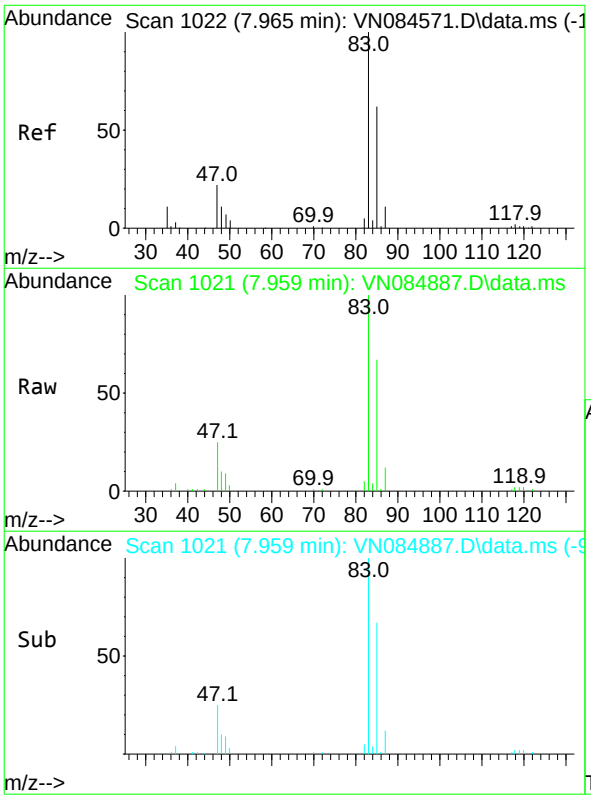
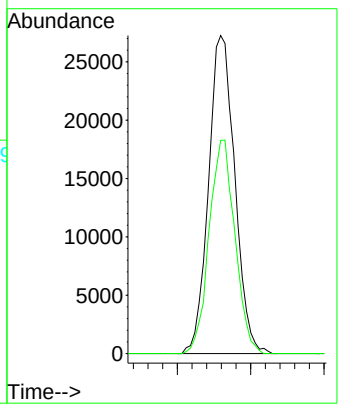
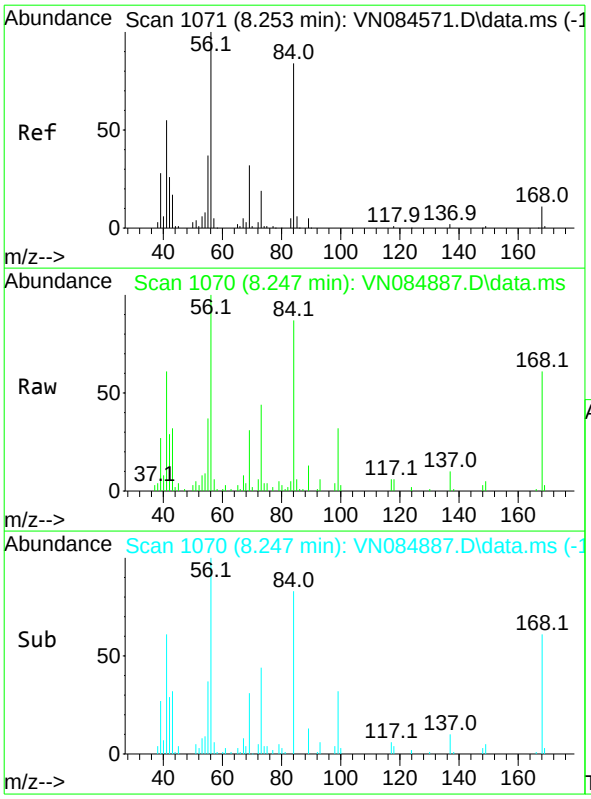


#30
Chloroform
Concen: 19.859 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 83 Resp: 67787

Ion	Ratio	Lower	Upper
83	100		
85	67.0	51.0	76.4

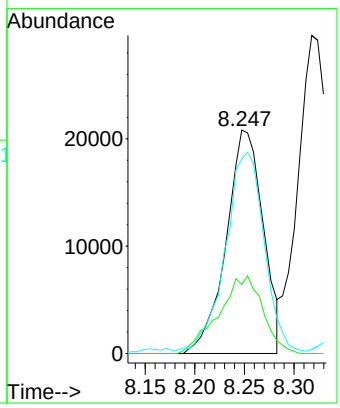




#31
Cyclohexane
Concen: 17.804 ug/l
RT: 8.247 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 56 Resp: 54042

Ion	Ratio	Lower	Upper
56	100		
69	30.9	23.8	35.6
84	85.6	68.8	103.2



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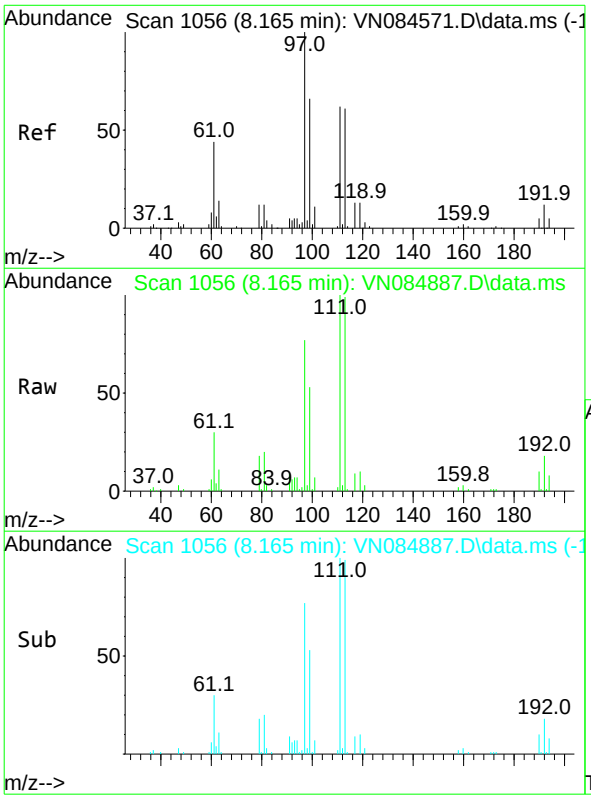
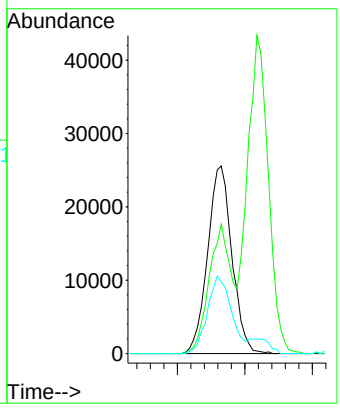
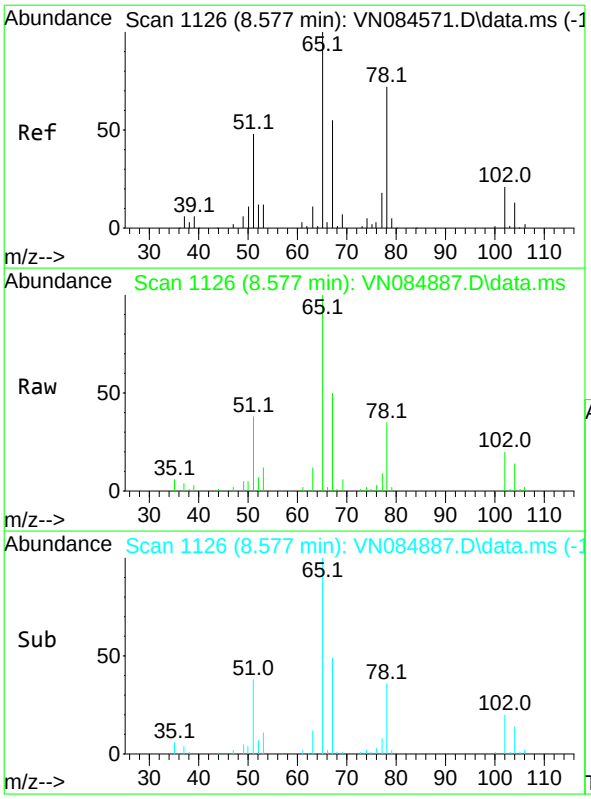


#32
1,1,1-Trichloroethane
Concen: 20.598 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 97 Resp: 63994

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.2	76.8
61	40.7	37.5	56.3

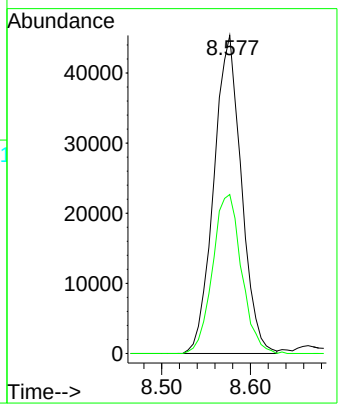




#33
1,2-Dichloroethane-d4
Concen: 44.486 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 65 Resp: 97806

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	102.0



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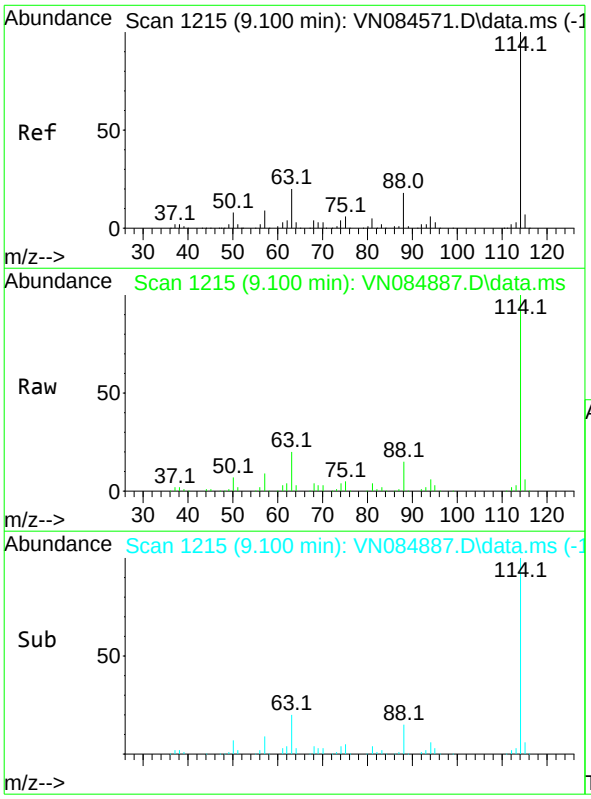
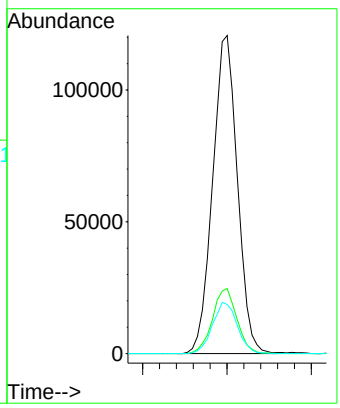
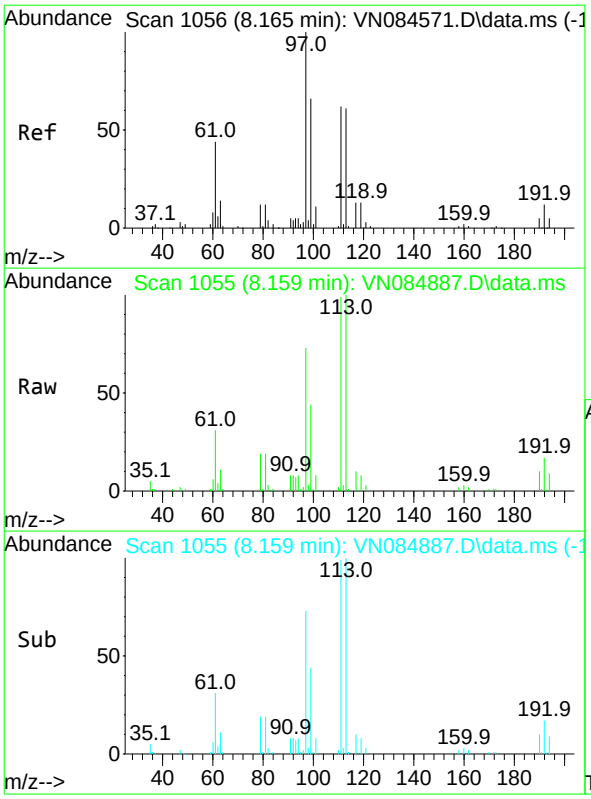


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:114 Resp: 245406

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	43.8
88	15.5	0.0	31.6

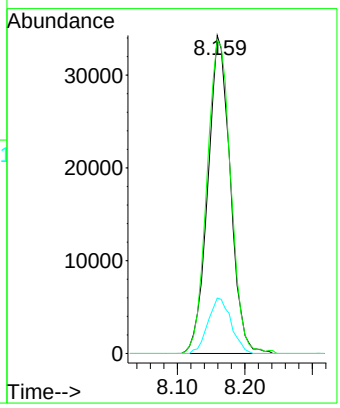




#35
Dibromofluoromethane
Concen: 47.618 ug/l
RT: 8.159 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:113 Resp: 79099

Ion	Ratio	Lower	Upper
113	100		
111	104.8	83.3	124.9
192	17.9	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
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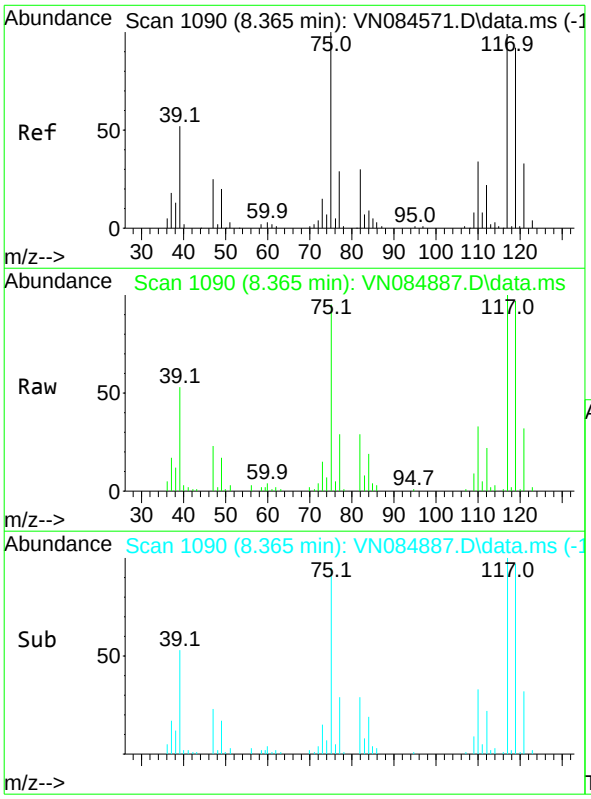
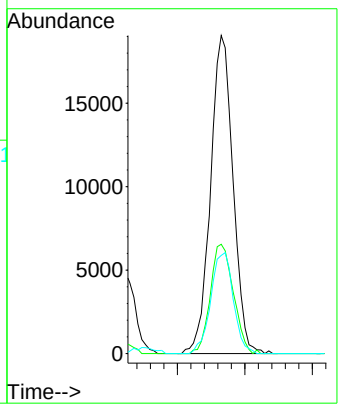
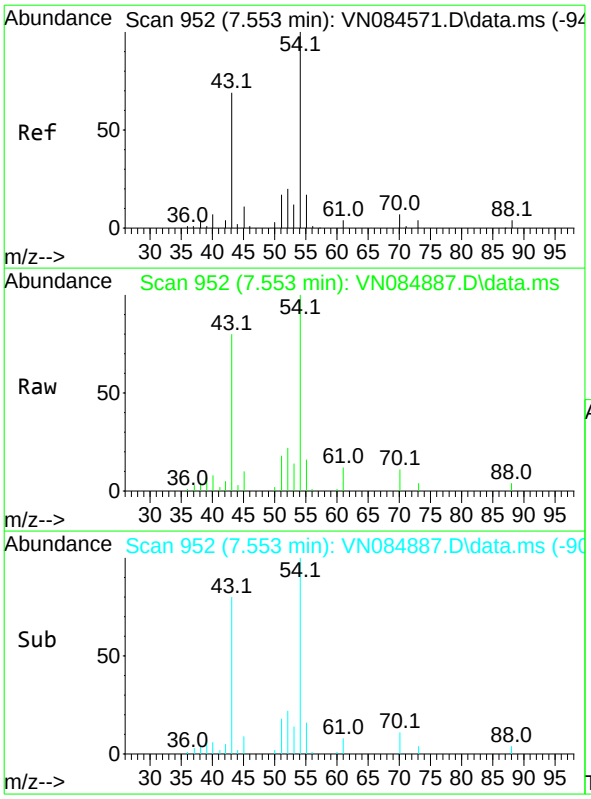


#36
1,1-Dichloropropene
Concen: 19.153 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 75 Resp: 44124

Ion	Ratio	Lower	Upper
75	100		
110	35.2	16.9	50.7
77	31.8	24.7	37.1

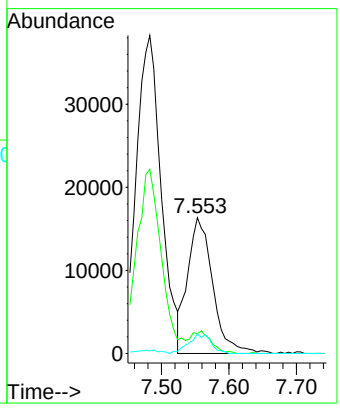




#37
Ethyl Acetate
Concen: 20.291 ug/l
RT: 7.553 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 43 Resp: 42411

Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	12.7	8.8	13.2



Instrument :
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ClientSampleId :
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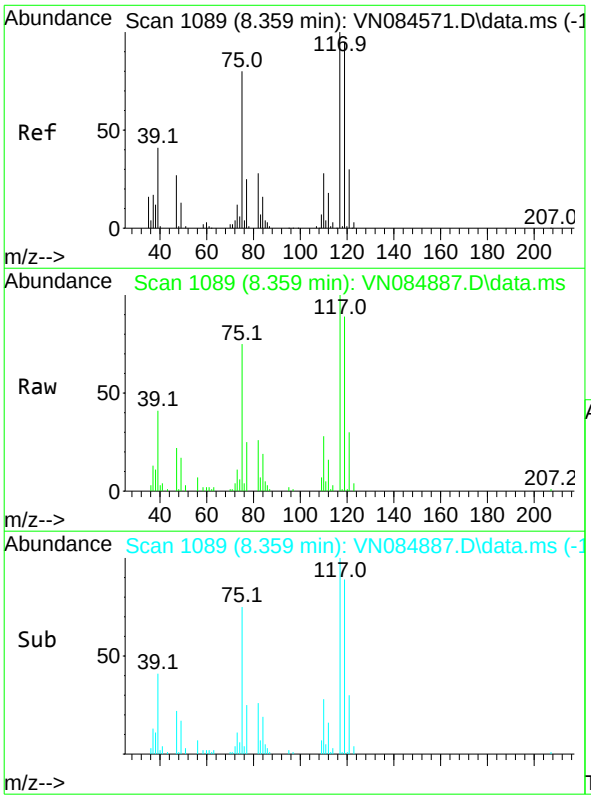
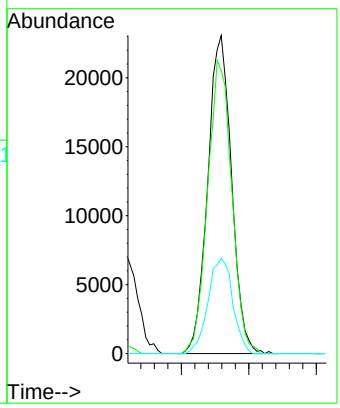
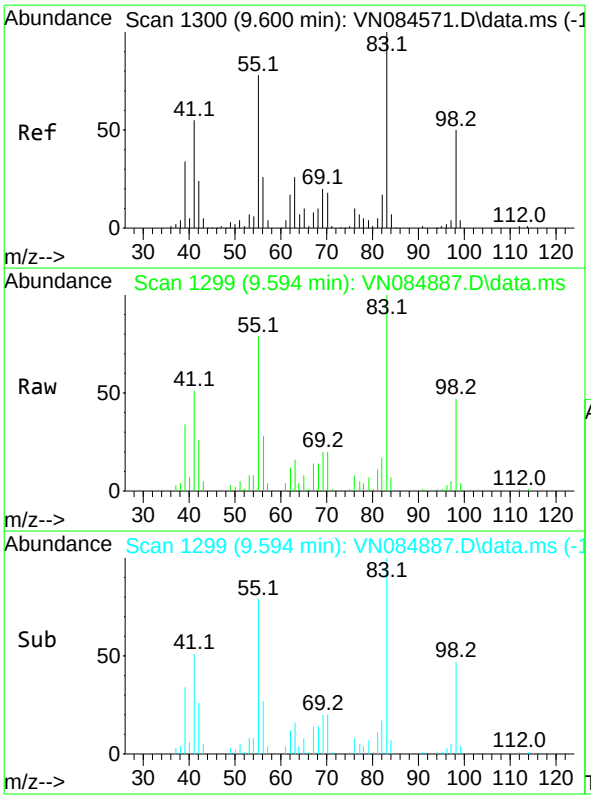


#38
Carbon Tetrachloride
Concen: 21.952 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:117 Resp: 56527

Ion	Ratio	Lower	Upper
117	100		
119	88.9	78.7	118.1
121	29.9	24.4	36.6

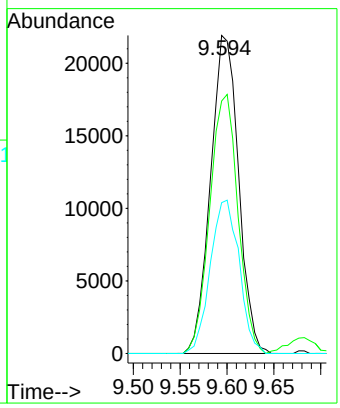




#39
Methylcyclohexane
Concen: 19.442 ug/l
RT: 9.594 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 83 Resp: 45566

Ion	Ratio	Lower	Upper
83	100		
55	79.4	62.8	94.2
98	47.4	38.8	58.2



Instrument :
MSVOA_N
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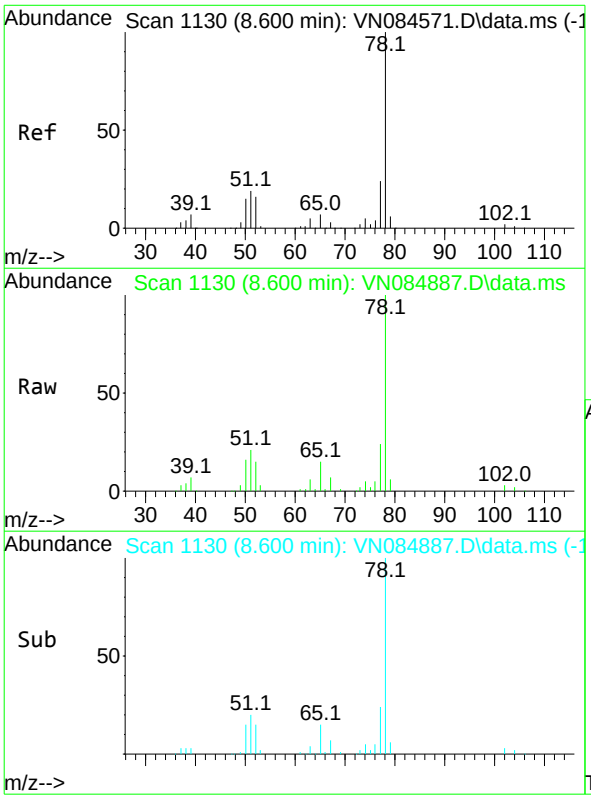
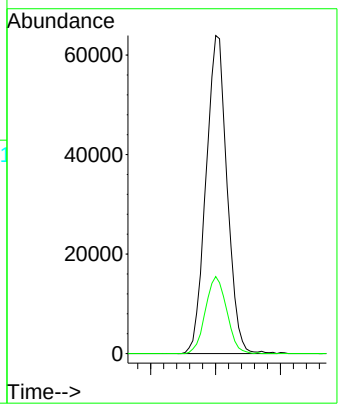
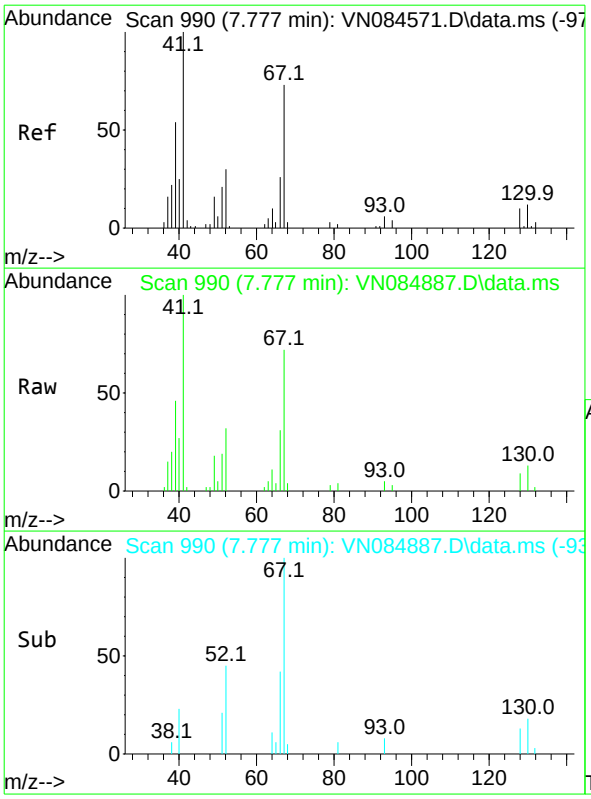


#40
Benzene
Concen: 19.524 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 78 Resp: 144450

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.1	28.7

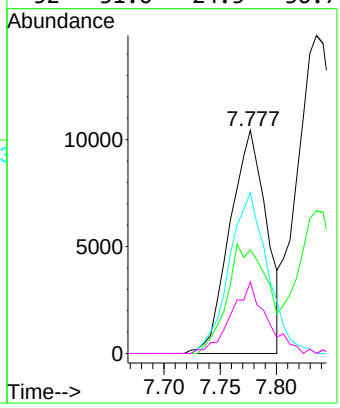




#41
Methacrylonitrile
Concen: 20.995 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 41 Resp: 23599

Ion	Ratio	Lower	Upper
41	100		
39	52.7	43.3	64.9
67	76.1	56.1	84.1
52	31.6	24.5	36.7



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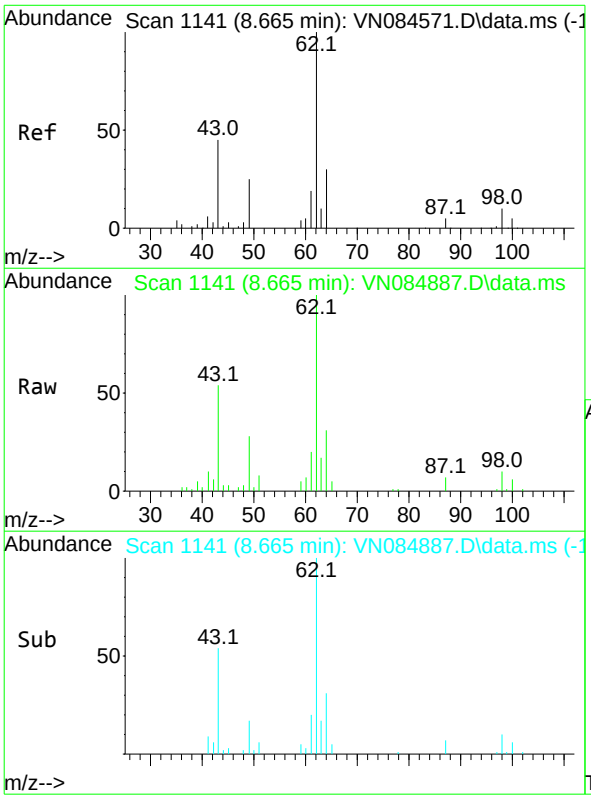
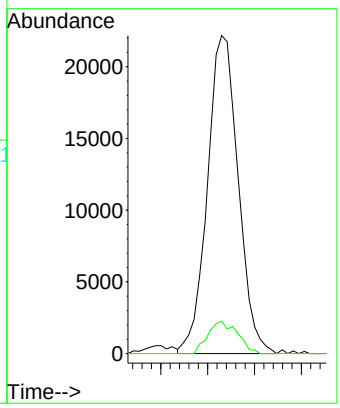
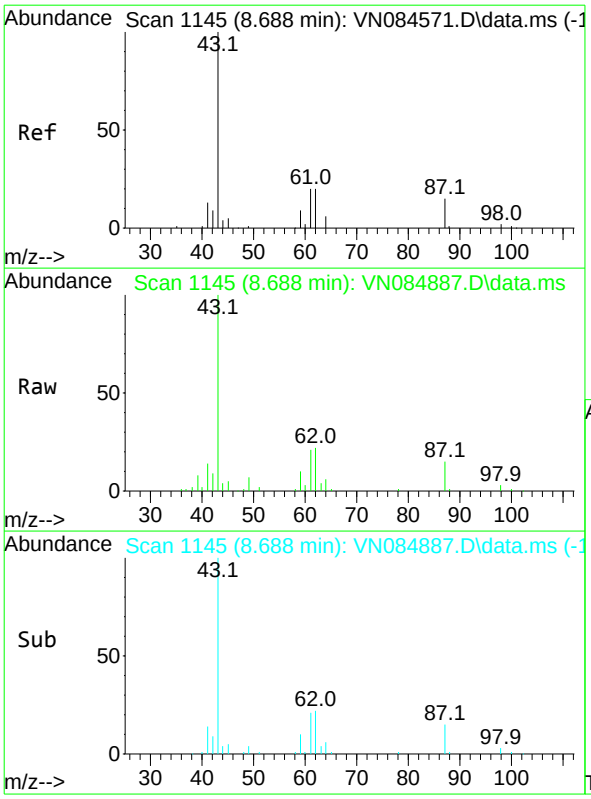


#42
1,2-Dichloroethane
Concen: 21.140 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 62 Resp: 50652

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.2

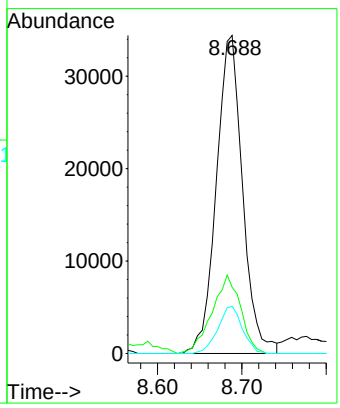




#43
Isopropyl Acetate
Concen: 18.669 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 43 Resp: 74424

Ion	Ratio	Lower	Upper
43	100		
61	26.8	20.4	30.6
87	13.8	10.3	15.5



Instrument :
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ClientSampleId :
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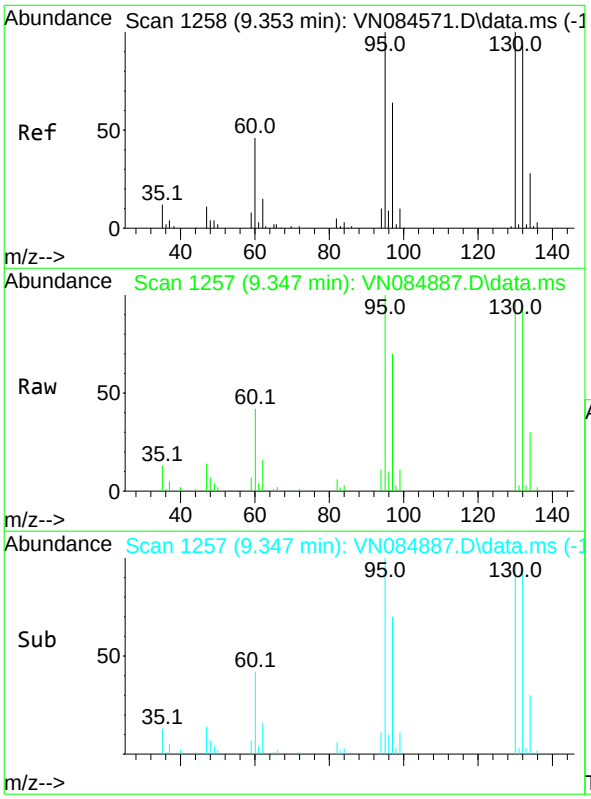
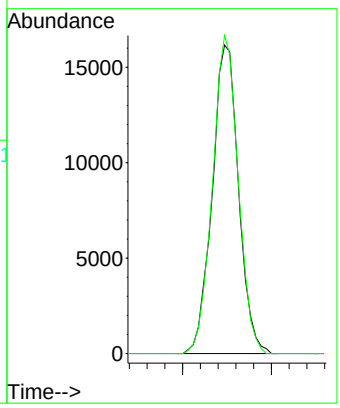
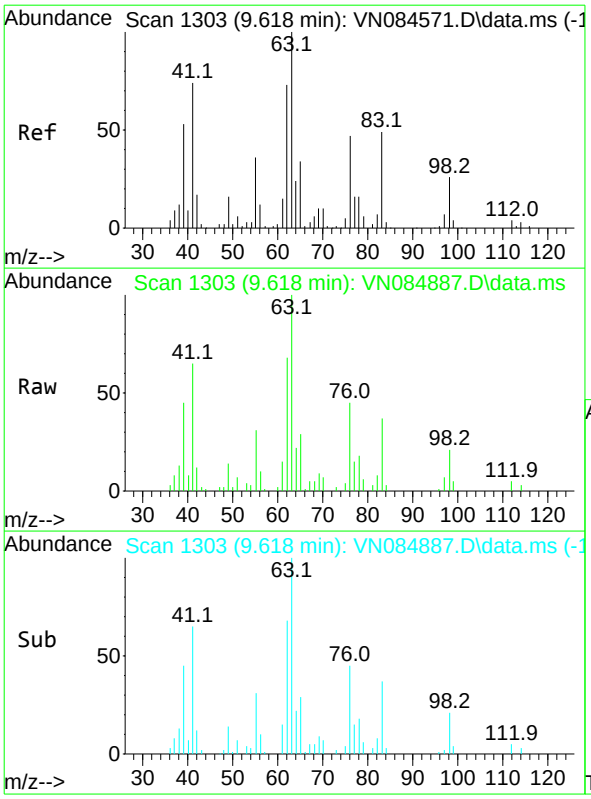


#44
Trichloroethene
Concen: 19.534 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:130 Resp: 33330

Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	203.0

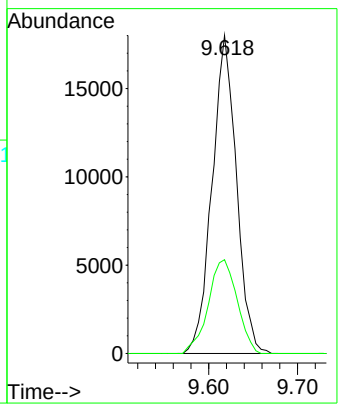




#45
1,2-Dichloropropane
Concen: 19.780 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 63 Resp: 34329

Ion	Ratio	Lower	Upper
63	100		
65	29.5	24.6	37.0



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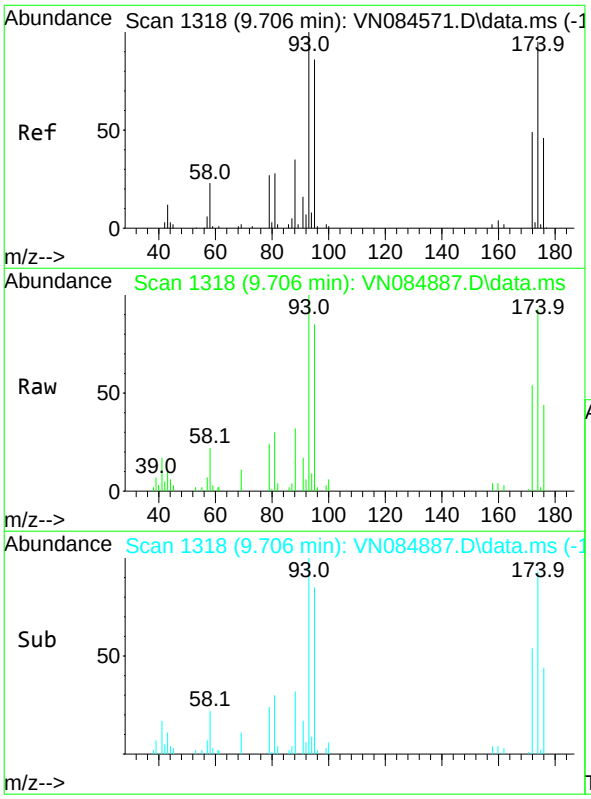
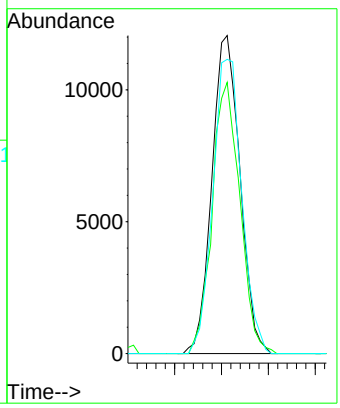
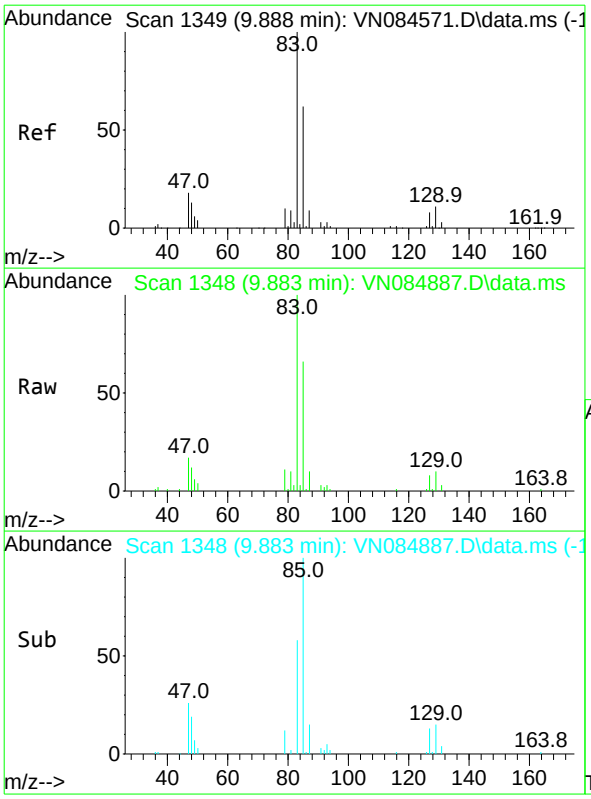


#46
Dibromomethane
Concen: 20.509 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 93 Resp: 25116

Ion	Ratio	Lower	Upper
93	100		
95	84.2	65.0	97.4
174	95.4	71.8	107.8

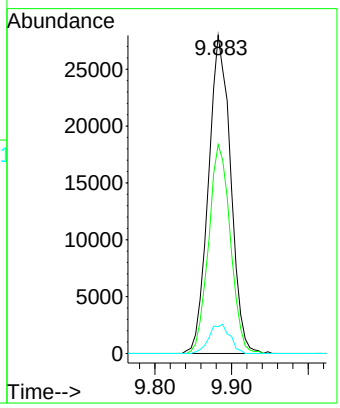




#47
Bromodichloromethane
Concen: 21.757 ug/l
RT: 9.883 min Scan# 13
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 83 Resp: 56164

Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.5	77.3
127	8.4	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

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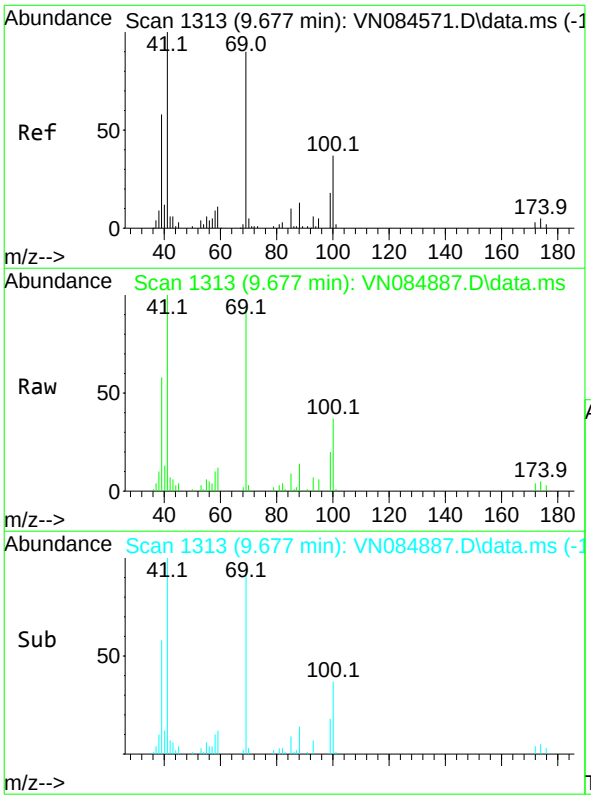
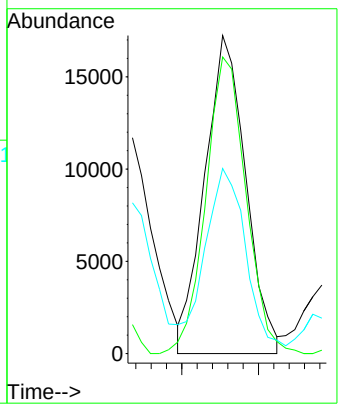
Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

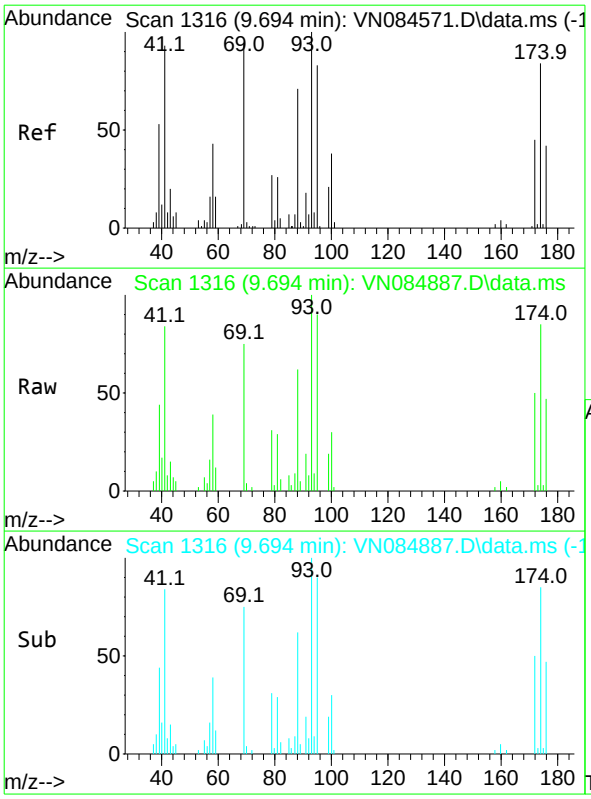


#48
Methyl methacrylate
Concen: 19.634 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 41 Resp: 31939

Ion	Ratio	Lower	Upper
41	100		
69	91.7	67.1	100.7
39	58.9	45.8	68.6

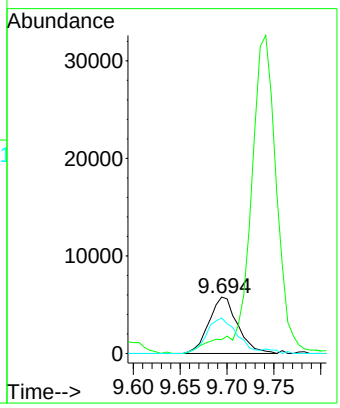




#49
1,4-Dioxane
Concen: 426.655 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 88 Resp: 12299

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	66.3	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

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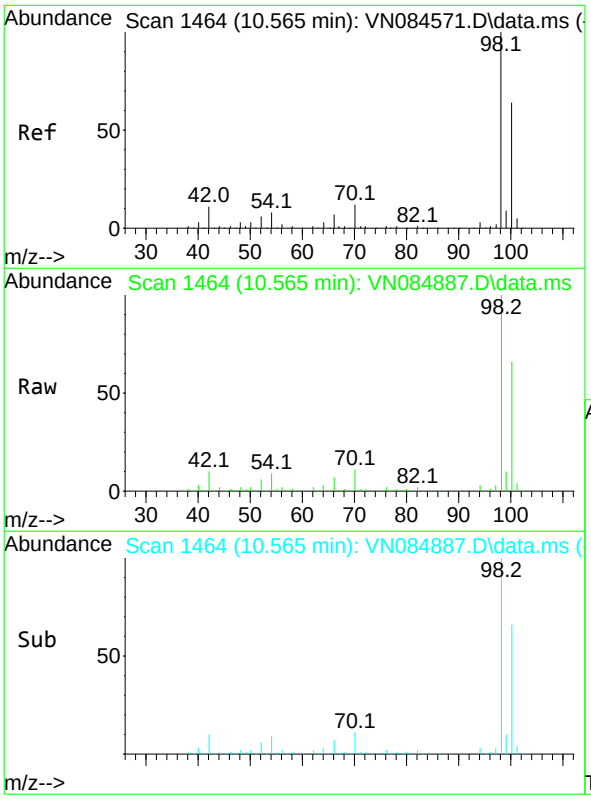
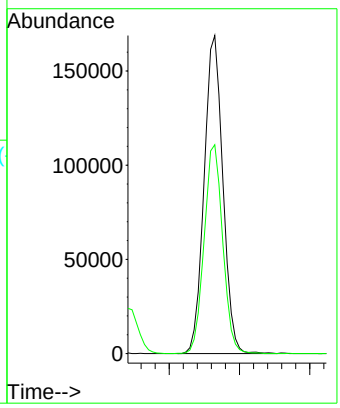
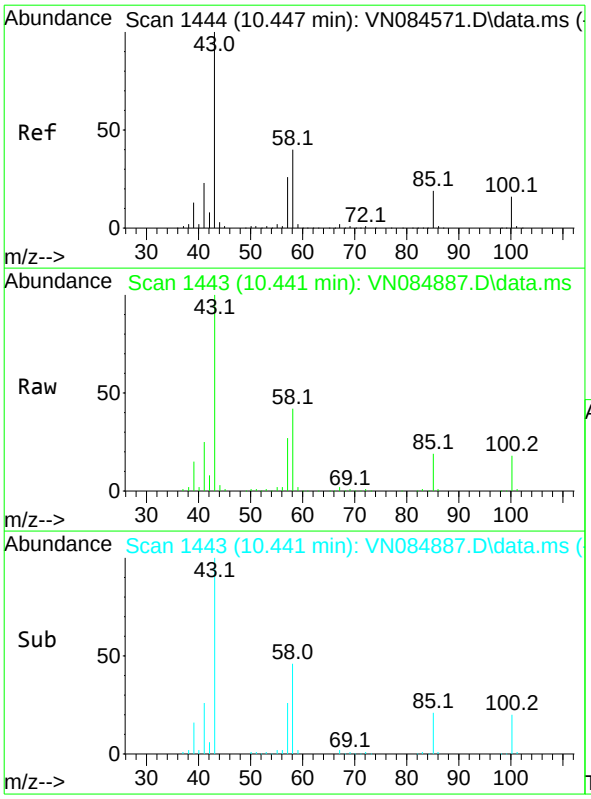


#50
Toluene-d8
Concen: 51.023 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 98 Resp: 312209

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.7	79.1

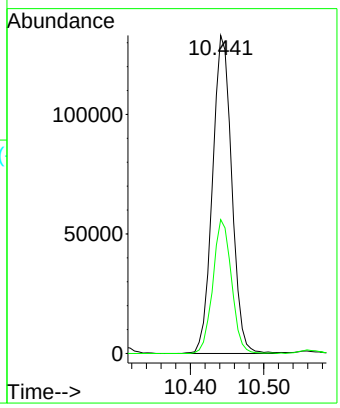




#51
4-Methyl-2-Pentanone
Concen: 121.681 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 43 Resp: 242457

Ion	Ratio	Lower	Upper
43	100		
58	40.8	31.6	47.4



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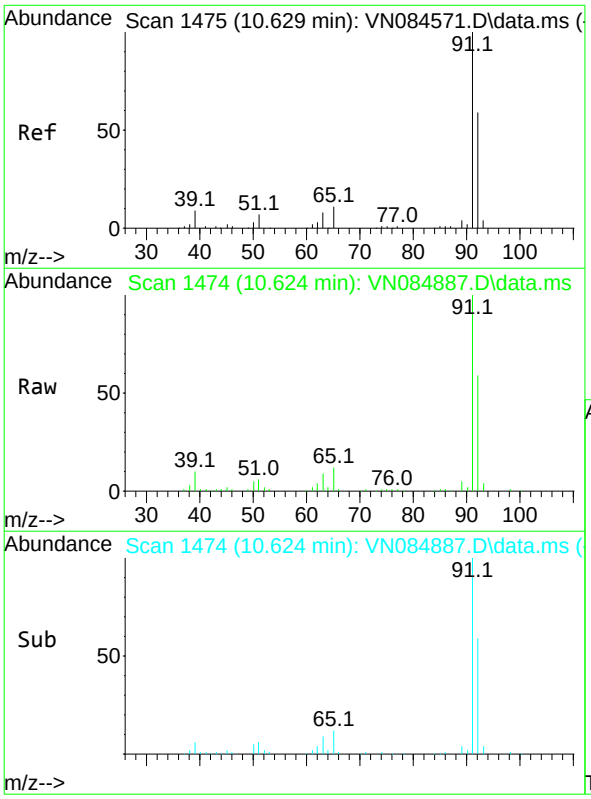
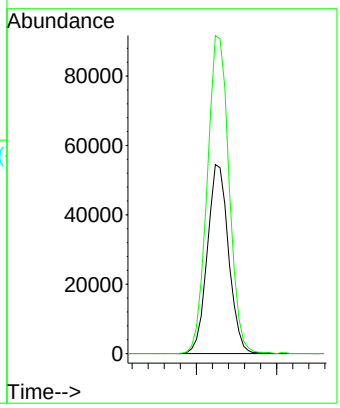
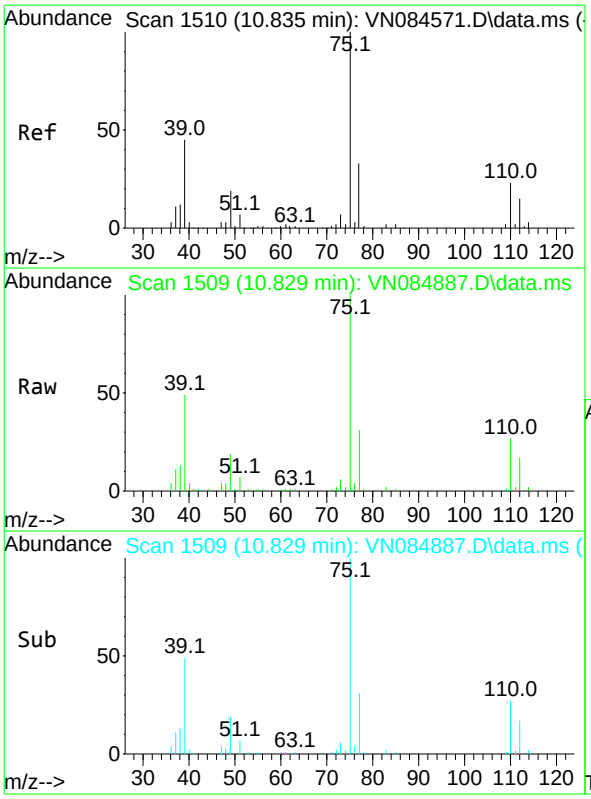


#52
Toluene
Concen: 23.159 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 92 Resp: 100207

Ion	Ratio	Lower	Upper
92	100		
91	172.8	137.3	205.9

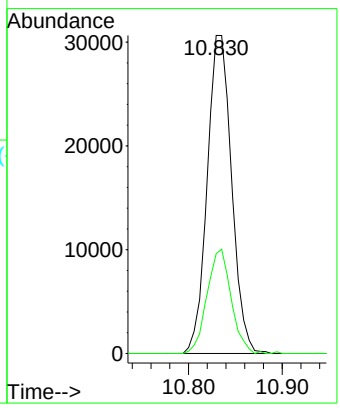




#53
t-1,3-Dichloropropene
Concen: 20.778 ug/l
RT: 10.829 min Scan# 15
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 75 Resp: 55520

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.0



Instrument :
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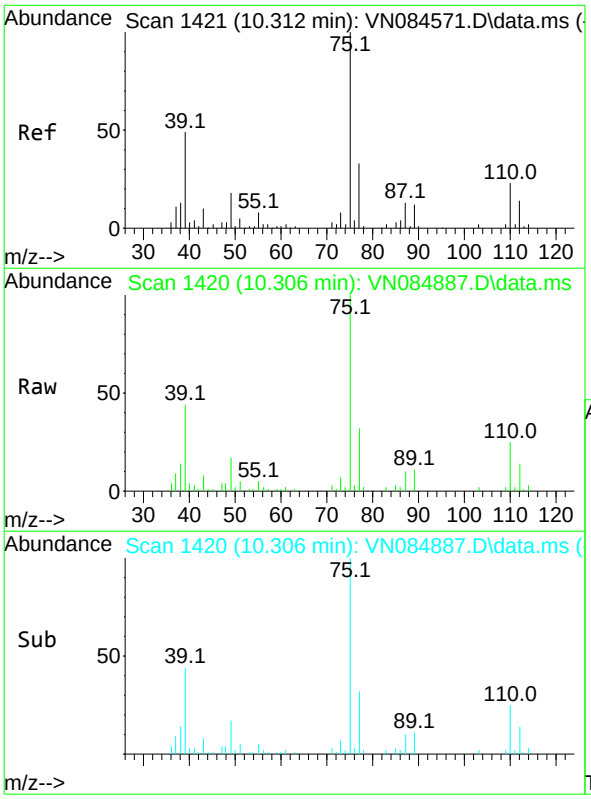
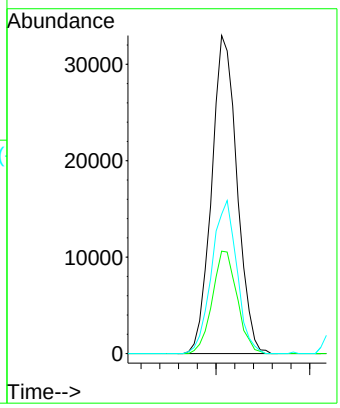
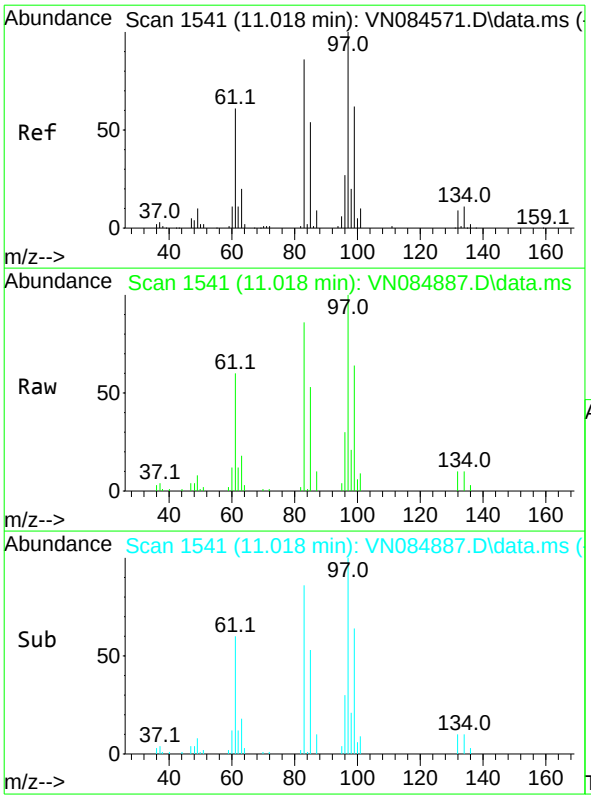


#54
cis-1,3-Dichloropropene
Concen: 21.956 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 75 Resp: 62094

Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.2	36.2
39	43.8	38.7	58.1

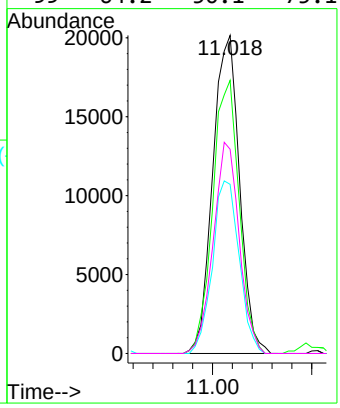




#55
1,1,2-Trichloroethane
Concen: 23.152 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 97 Resp: 37735

Ion	Ratio	Lower	Upper
97	100		
83	85.9	71.0	106.4
85	53.2	41.7	62.5
99	64.2	50.1	75.1



Instrument :
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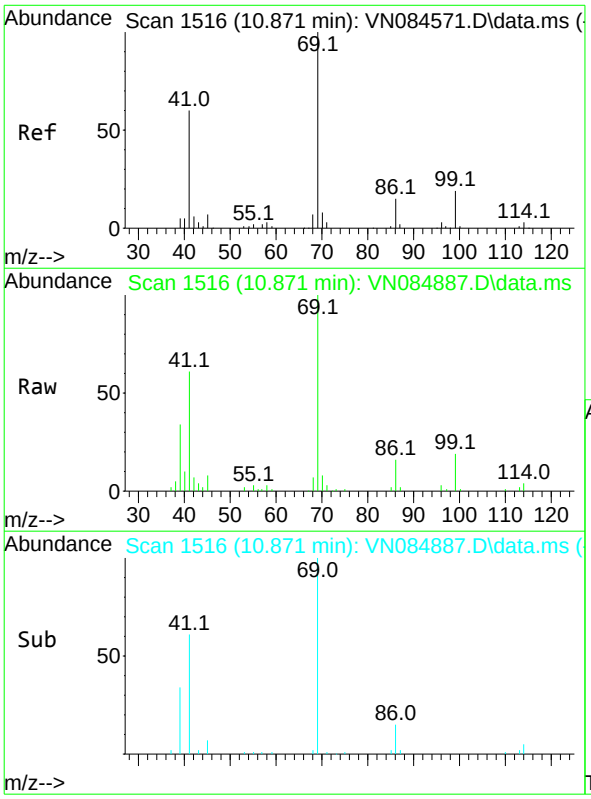
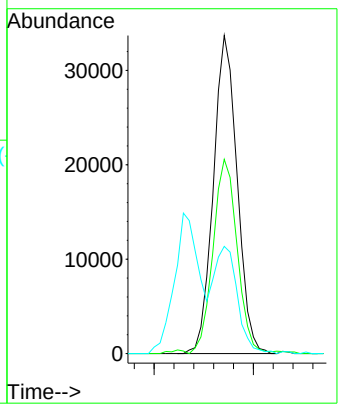
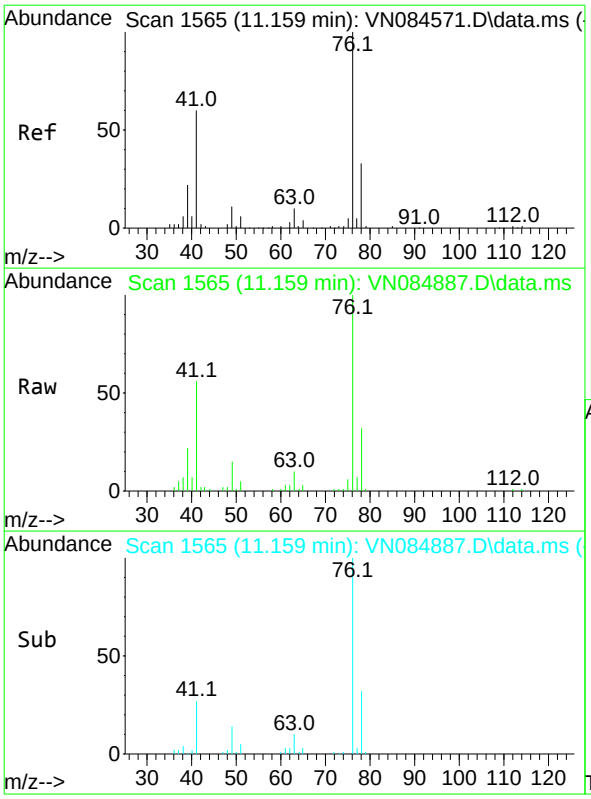


#56
Ethyl methacrylate
Concen: 23.816 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 69 Resp: 56149

Ion	Ratio	Lower	Upper
69	100		
41	61.9	53.3	79.9
39	33.7	28.8	43.2

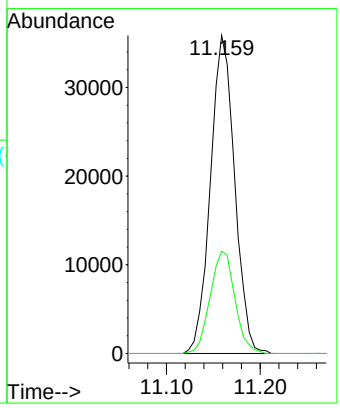




#57
1,3-Dichloropropane
Concen: 23.007 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 76 Resp: 64356

Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

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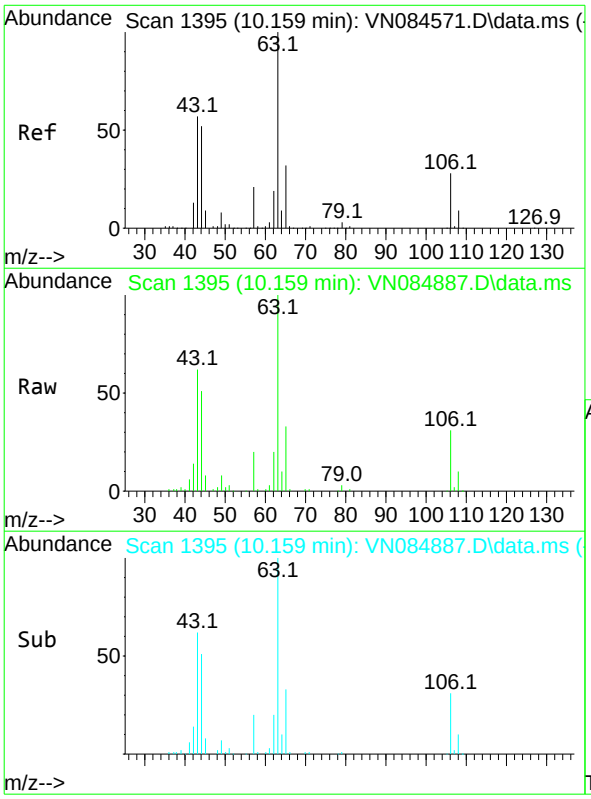
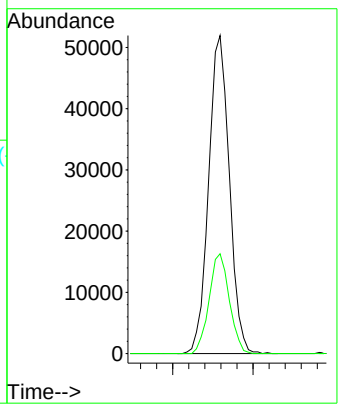
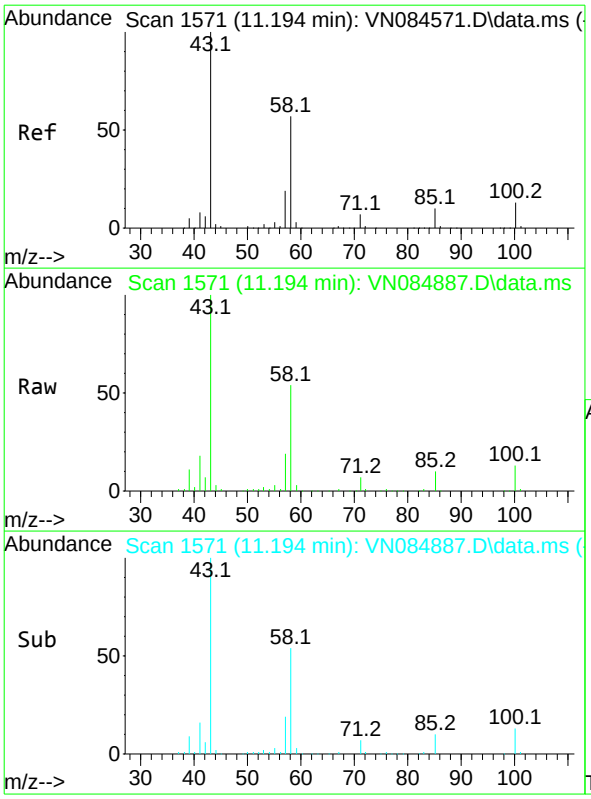


#58
2-Chloroethyl Vinyl ether
Concen: 84.256 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 63 Resp: 92951

Ion	Ratio	Lower	Upper
63	100		
106	30.6	21.8	32.6

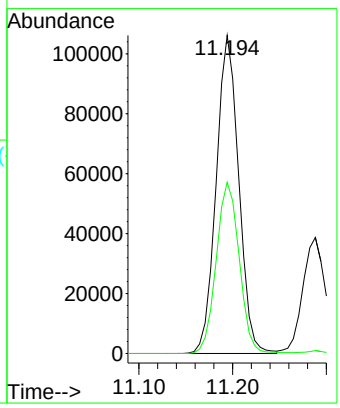




#59
2-Hexanone
Concen: 122.372 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 43 Resp: 177482

Ion	Ratio	Lower	Upper
43	100		
58	54.8	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

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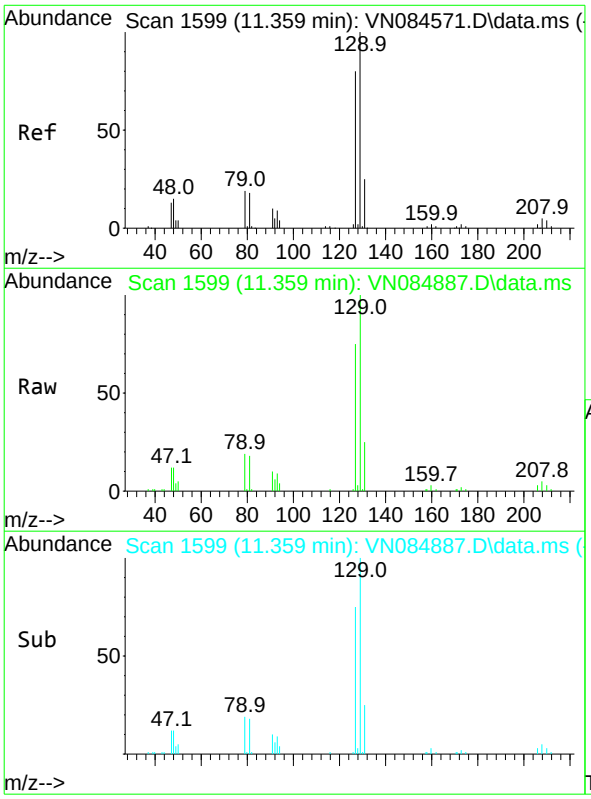
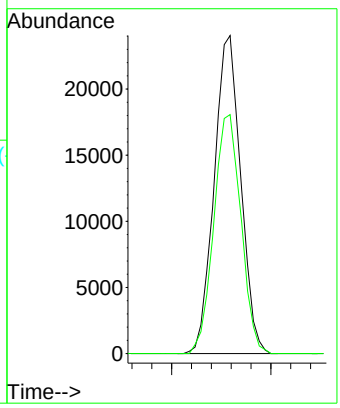
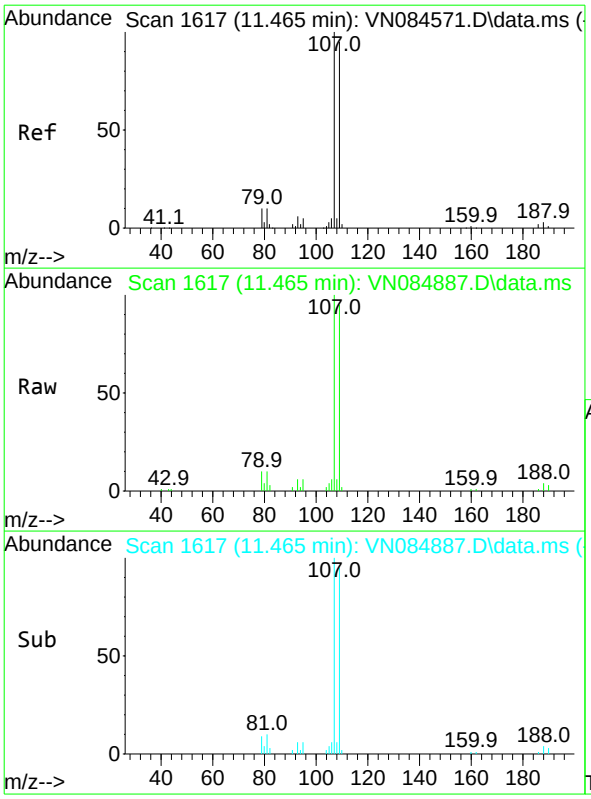


#60
Dibromochloromethane
Concen: 24.084 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:129 Resp: 44738

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.3	114.9

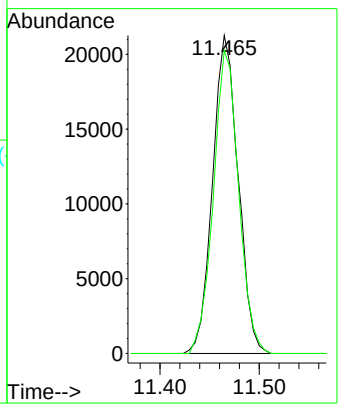




#61
1,2-Dibromoethane
Concen: 22.804 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:107 Resp: 38062

Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.4	113.0



Instrument :
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ClientSampleId :
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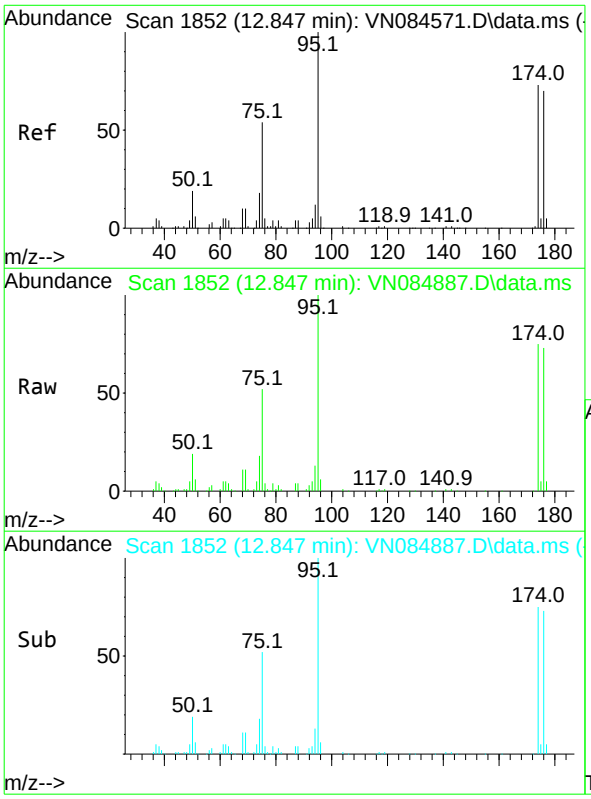
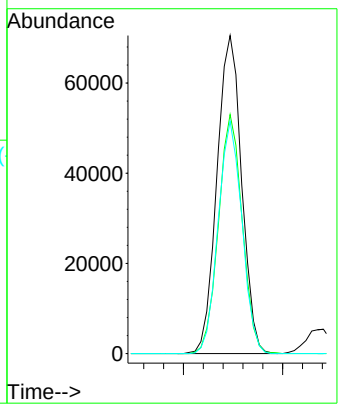
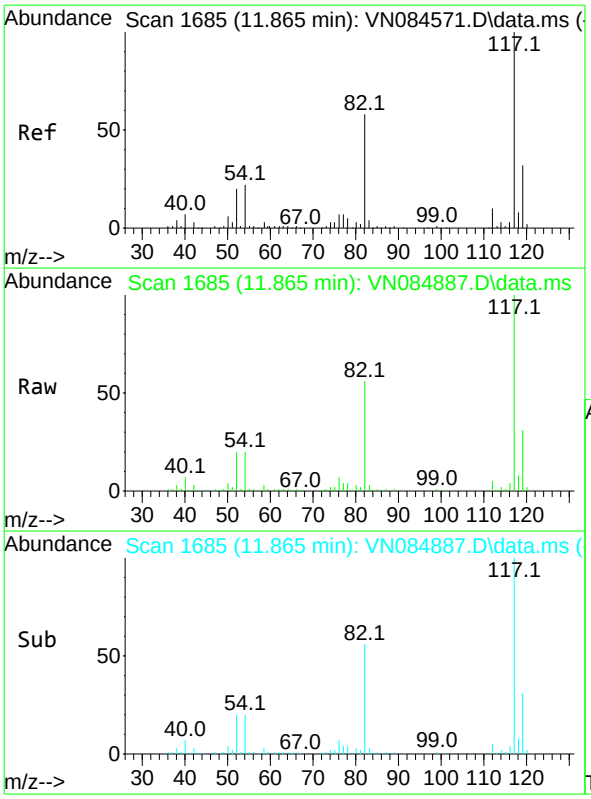


#62
4-Bromofluorobenzene
Concen: 53.327 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 95 Resp: 121951

Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	145.2
176	70.3	0.0	140.0

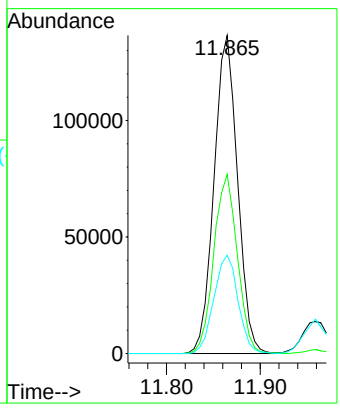




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:117 Resp: 237456

Ion	Ratio	Lower	Upper
117	100		
82	56.3	47.2	70.8
119	30.9	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

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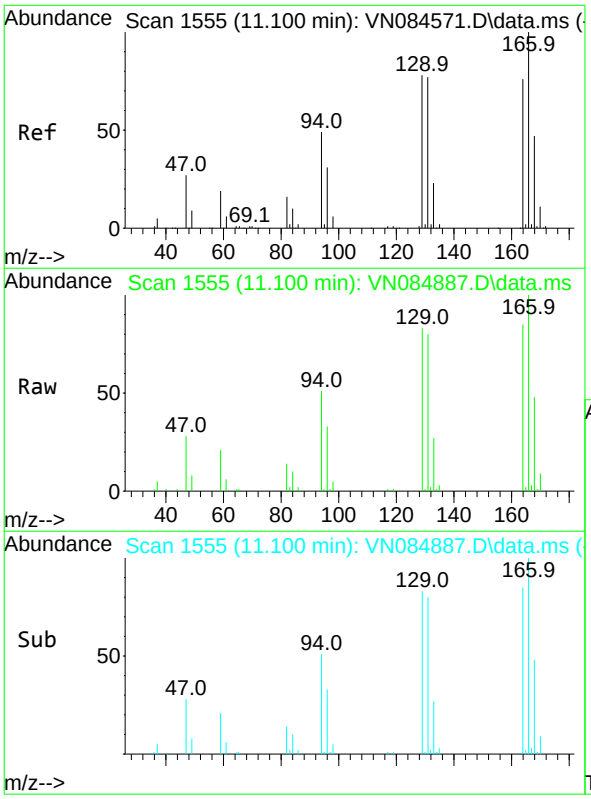
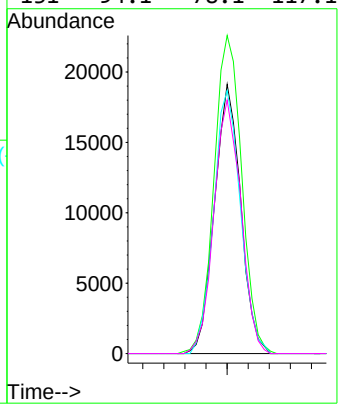
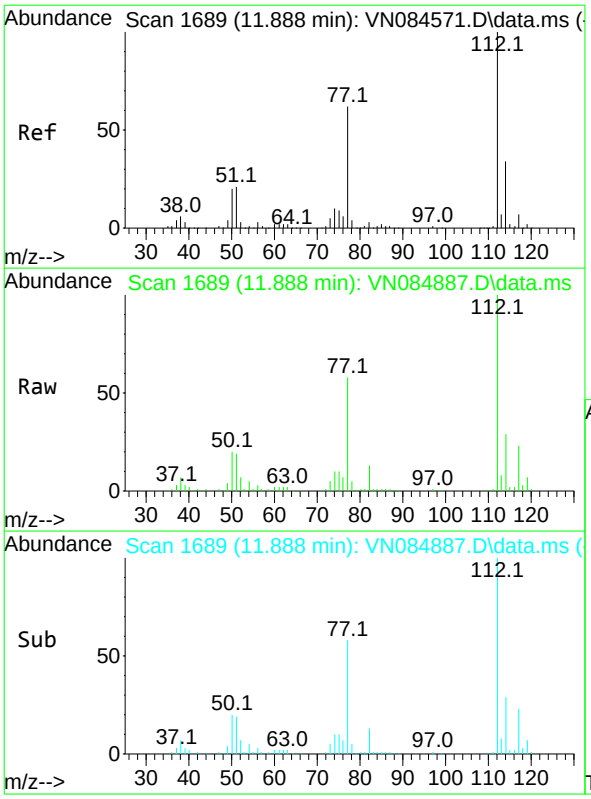


#64
Tetrachloroethene
Concen: 20.877 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:164 Resp: 32974

Ion	Ratio	Lower	Upper
164	100		
166	118.2	101.0	151.4
129	97.7	80.8	121.2
131	94.1	78.1	117.1

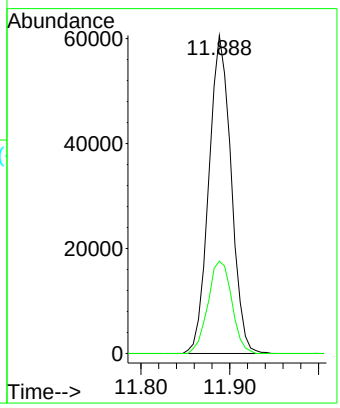




#65
Chlorobenzene
Concen: 19.892 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:112 Resp: 105672

Ion	Ratio	Lower	Upper
112	100		
114	29.0	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

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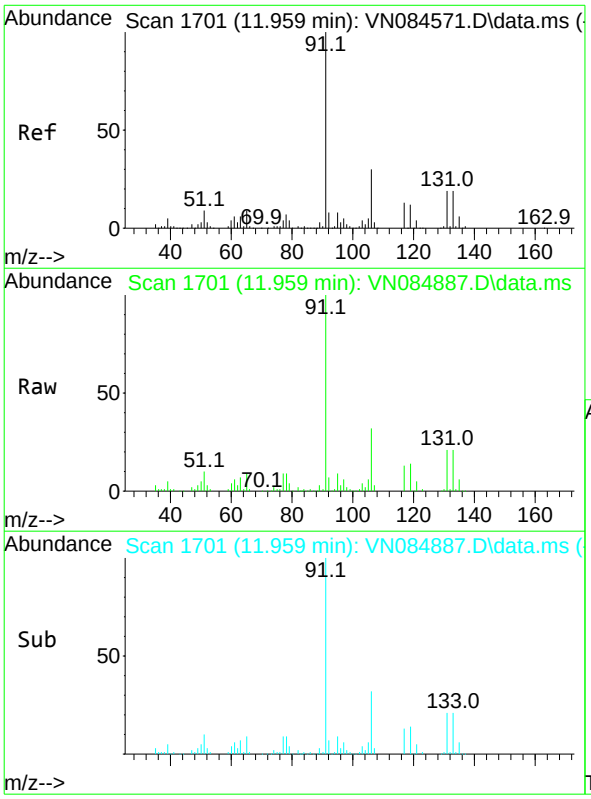
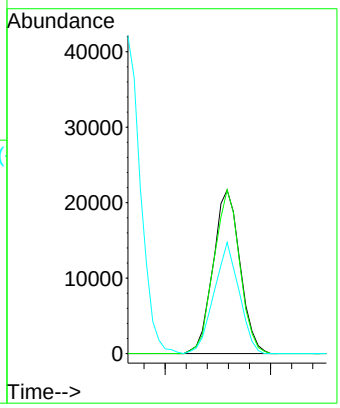
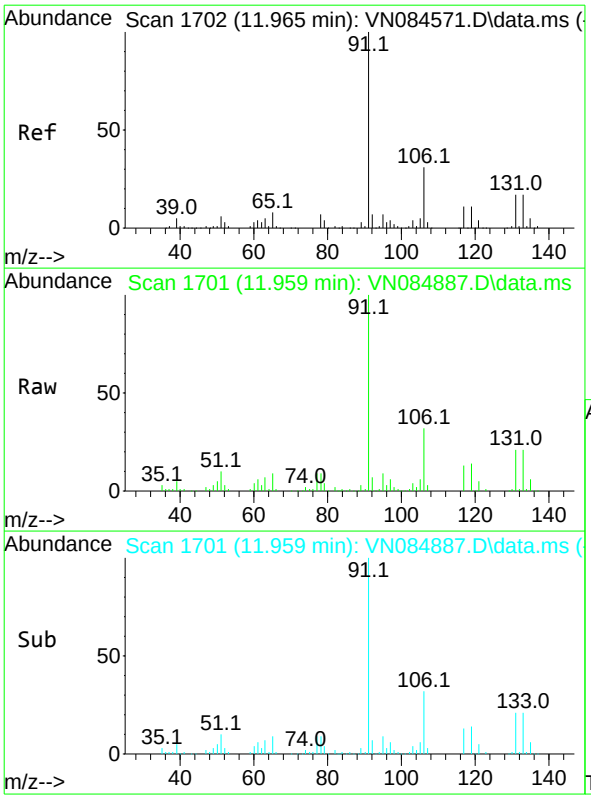


#66
1,1,1,2-Tetrachloroethane
Concen: 20.811 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:131 Resp: 38455

Ion	Ratio	Lower	Upper
131	100		
133	96.4	47.9	143.7
119	63.4	32.8	98.3

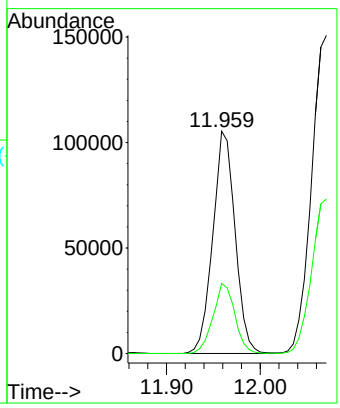




#67
Ethyl Benzene
Concen: 19.640 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 91 Resp: 174156

Ion	Ratio	Lower	Upper
91	100		
106	31.5	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

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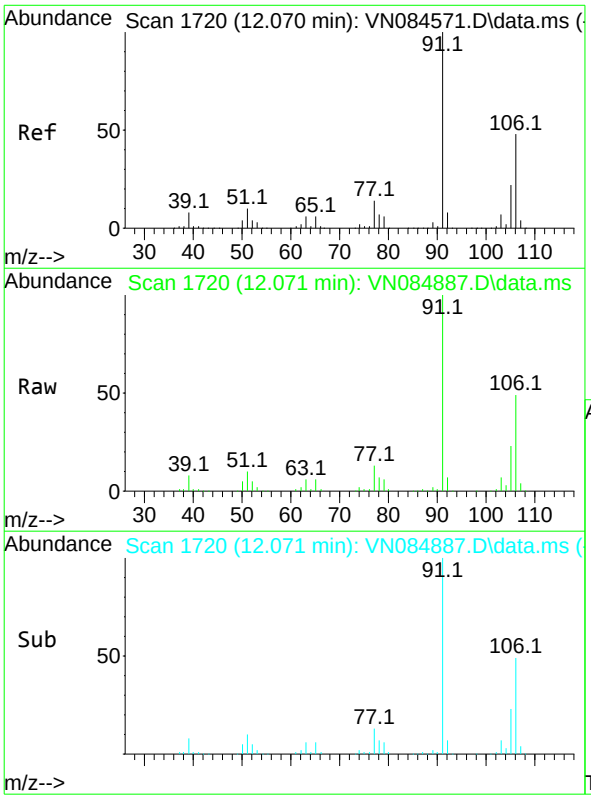
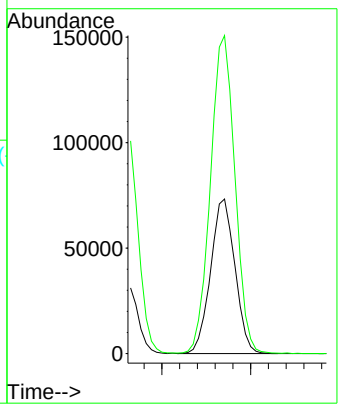
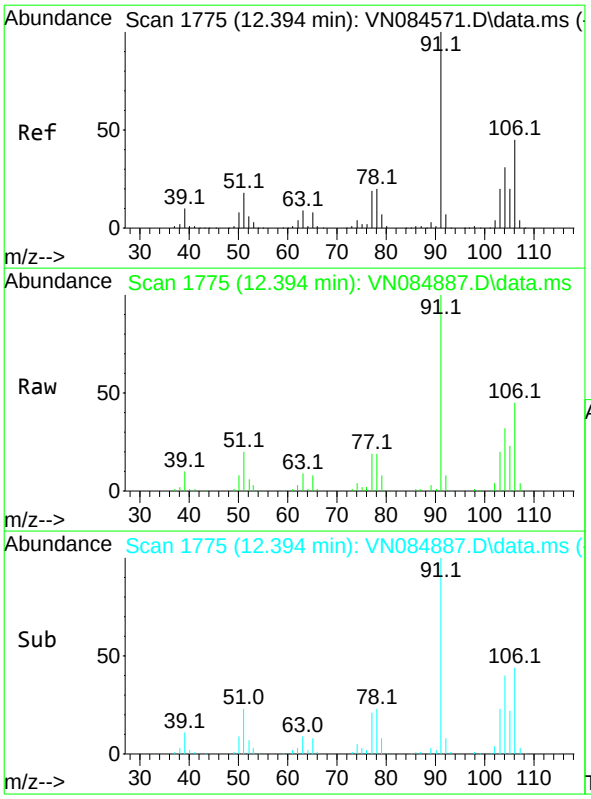


#68
m/p-Xylenes
Concen: 41.559 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:106 Resp: 139516

Ion	Ratio	Lower	Upper
106	100		
91	207.3	167.1	250.7

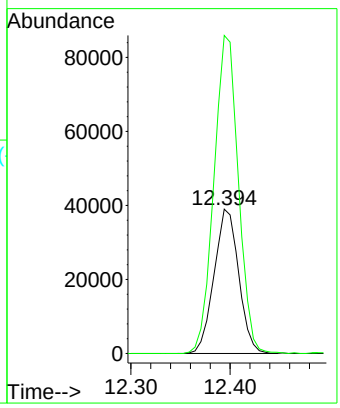




#69
o-Xylene
Concen: 21.372 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:106 Resp: 67119

Ion	Ratio	Lower	Upper
106	100		
91	219.0	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

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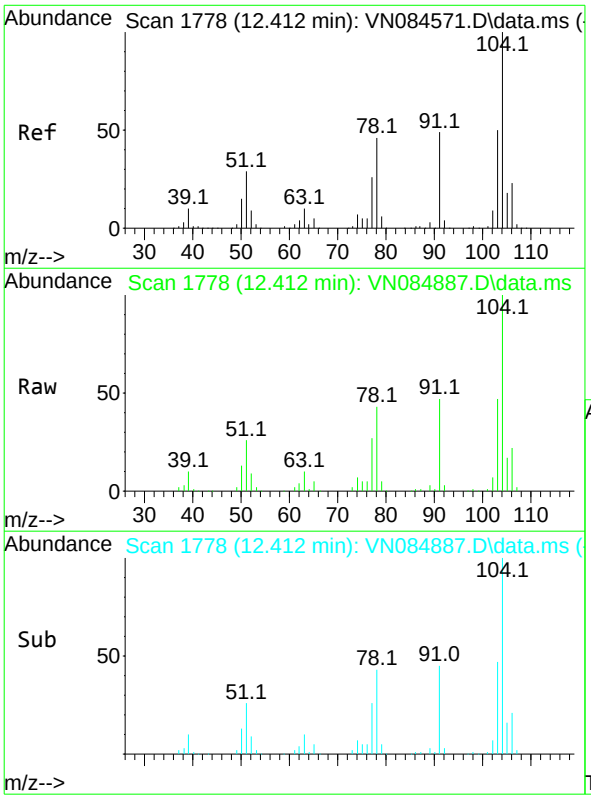
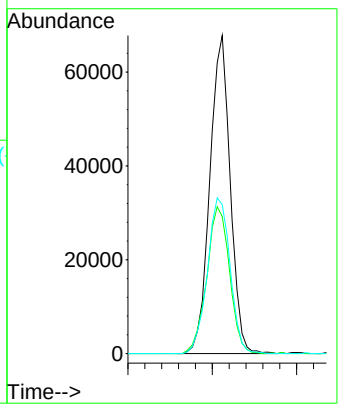
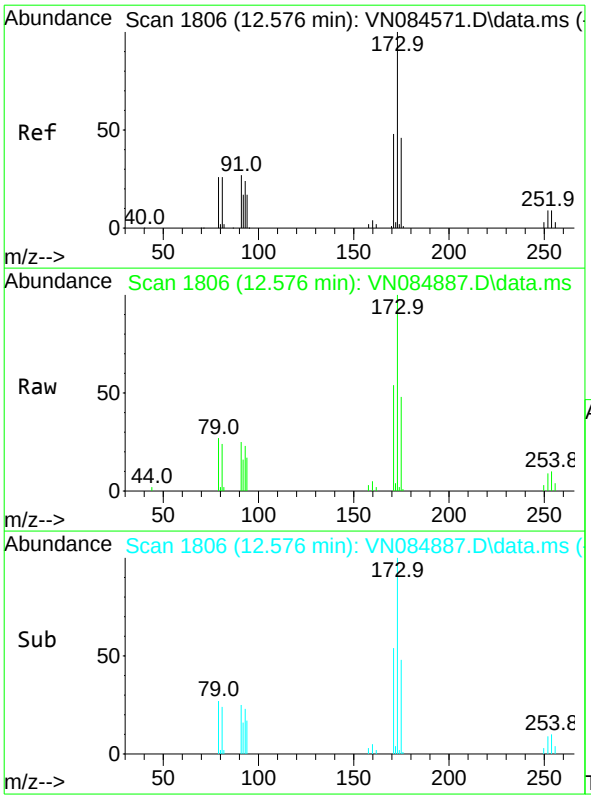


#70
Styrene
Concen: 20.801 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:104 Resp: 113957

Ion	Ratio	Lower	Upper
104	100		
78	51.5	42.7	64.1
103	54.4	43.6	65.4

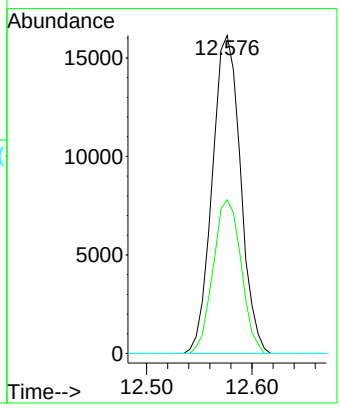




#71
Bromoform
Concen: 21.636 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:173 Resp: 30083

Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
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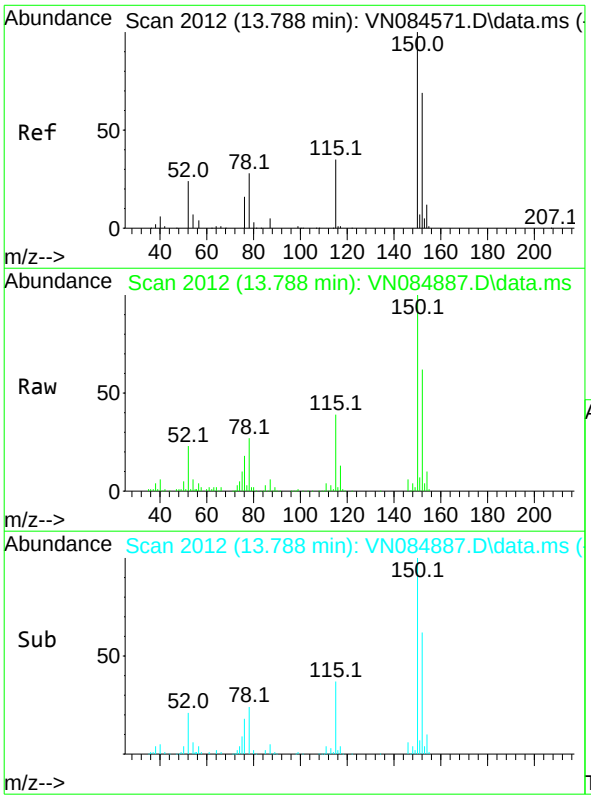
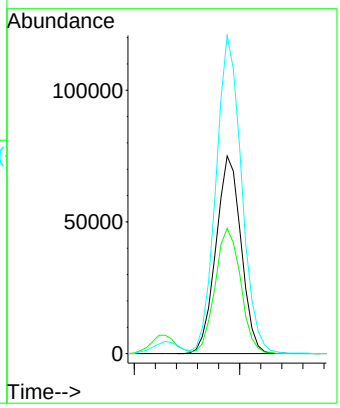
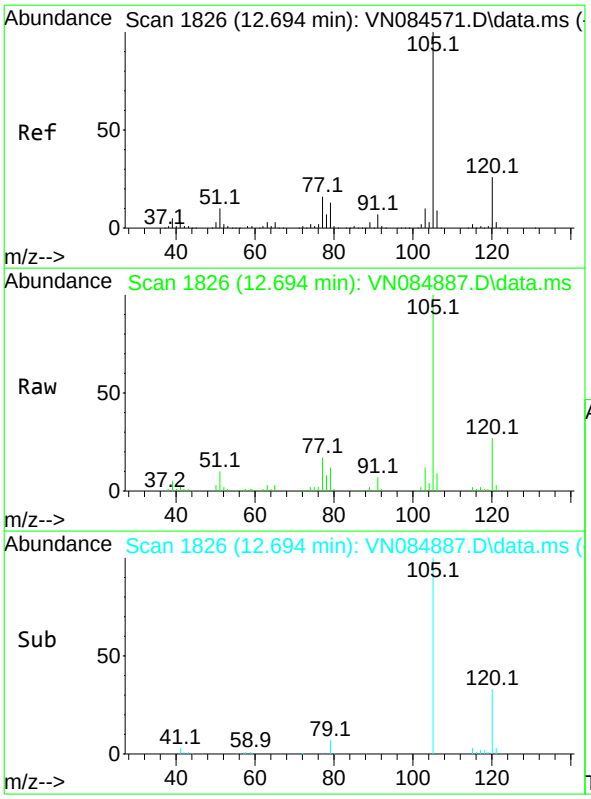


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:152 Resp: 124353

Ion	Ratio	Lower	Upper
152	100		
115	64.4	31.3	93.9
150	164.3	0.0	349.8

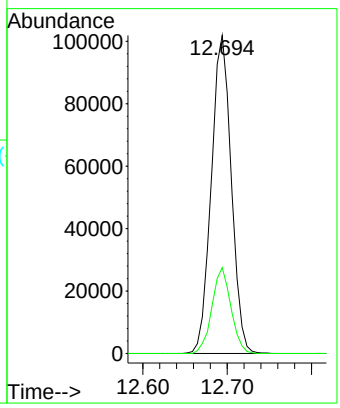




#73
Isopropylbenzene
Concen: 19.238 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:105 Resp: 167648

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

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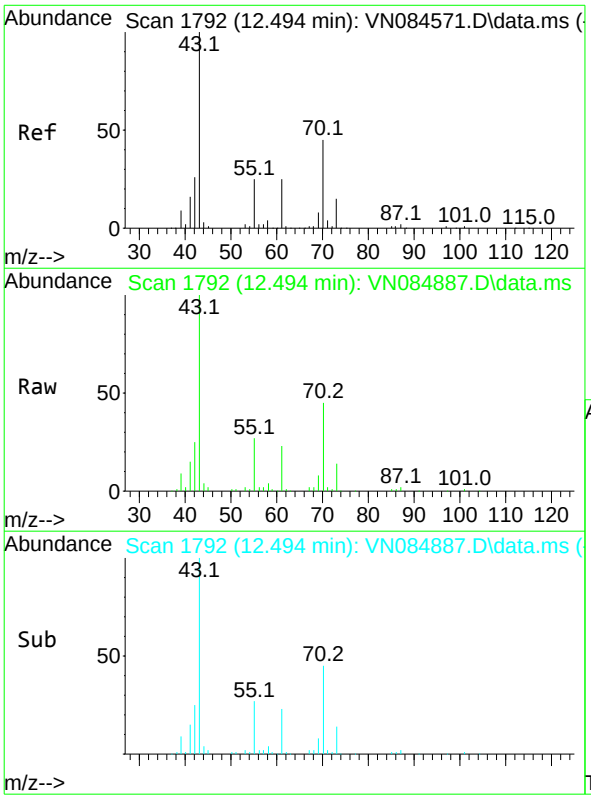
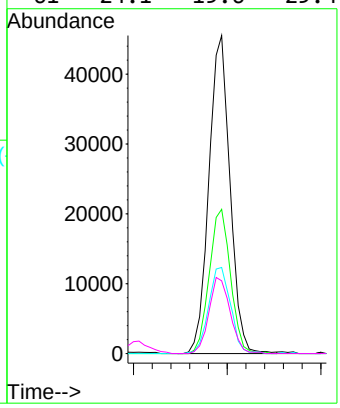
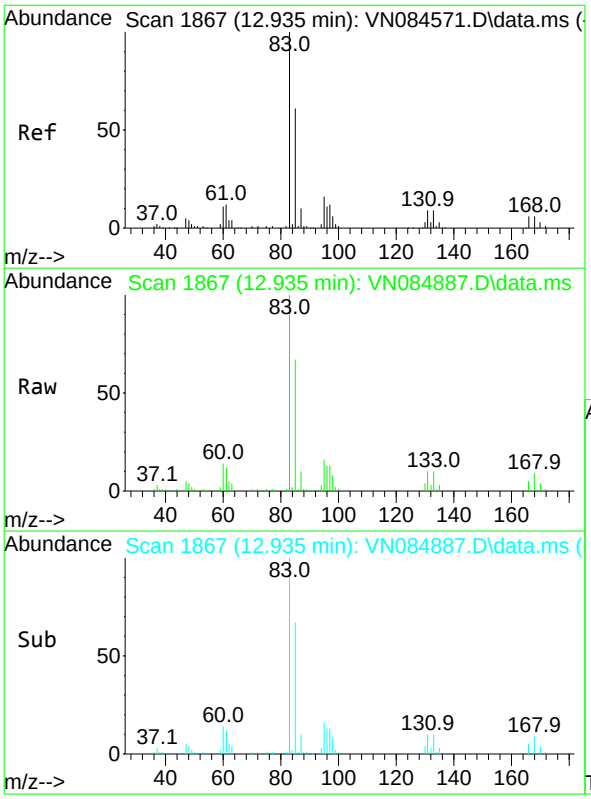


#74
N-amyl acetate
Concen: 19.201 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 43 Resp: 71216

Ion	Ratio	Lower	Upper
43	100		
70	45.8	34.4	51.6
55	28.1	19.6	29.4
61	24.1	19.6	29.4

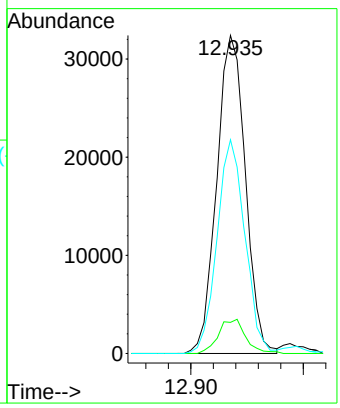




#75
1,1,2,2-Tetrachloroethane
Concen: 19.717 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 83 Resp: 57353

Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.9	14.7
85	65.5	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

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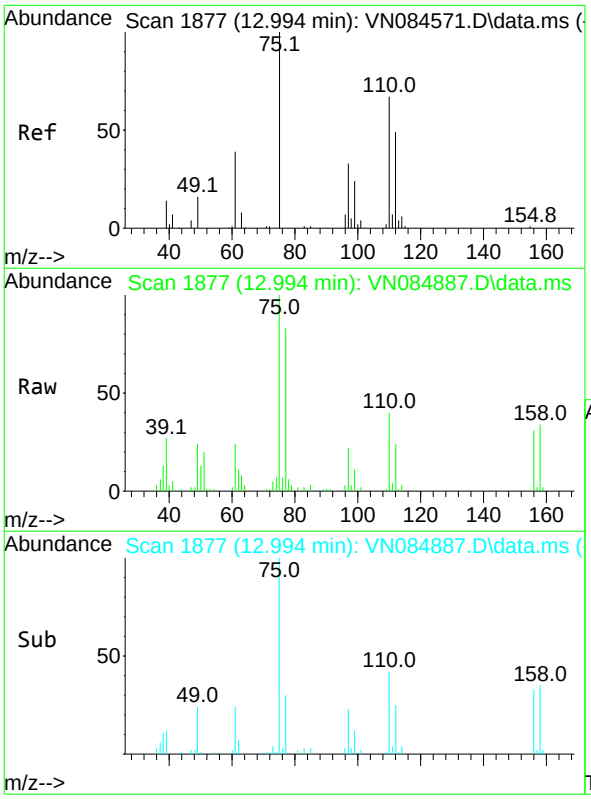
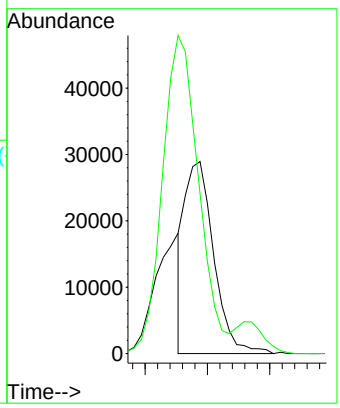
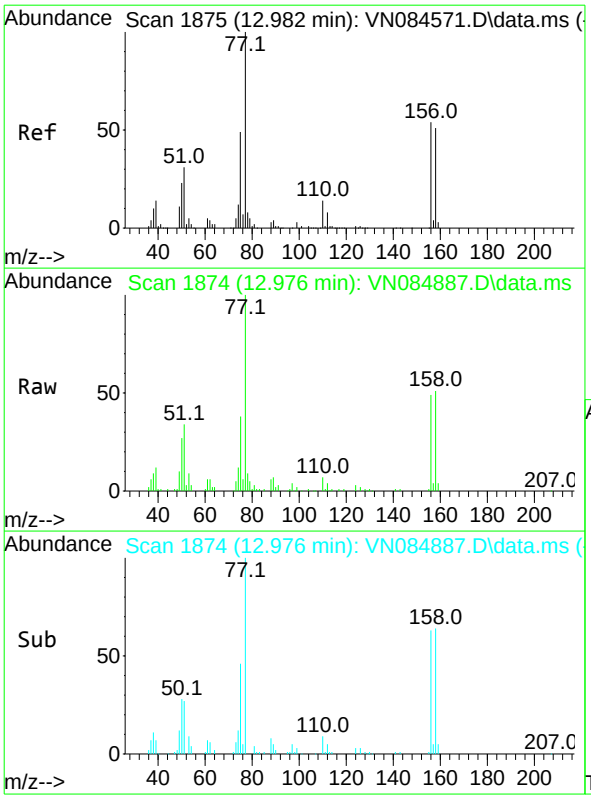


#76
1,2,3-Trichloropropane
Concen: 18.817 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 75 Resp: 46775

Ion	Ratio	Lower	Upper
75	100		
77	206.6	96.9	290.7

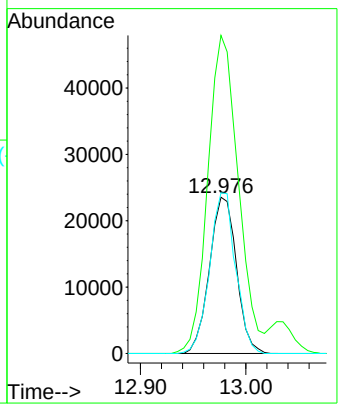




#77
Bromobenzene
Concen: 17.895 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:156 Resp: 41923

Ion	Ratio	Lower	Upper
156	100		
77	230.5	115.1	345.3
158	99.4	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

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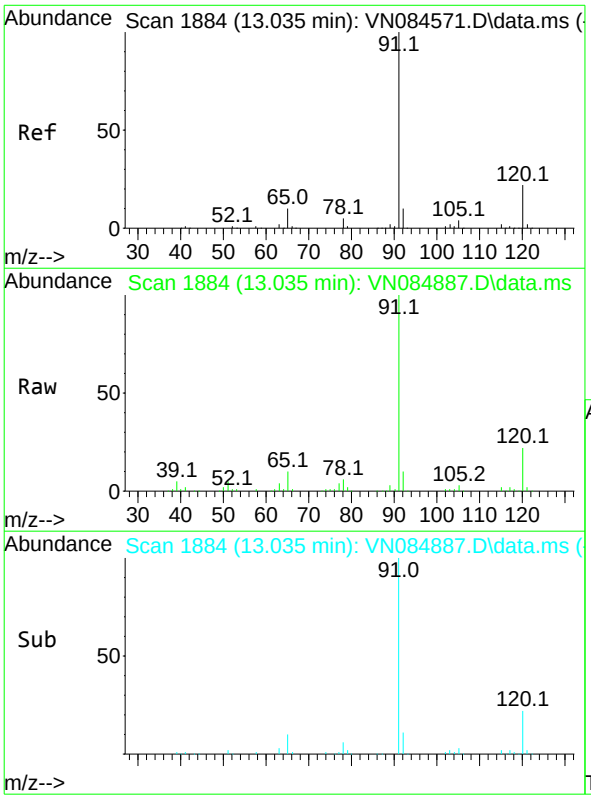
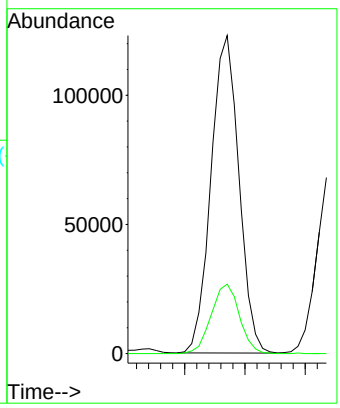
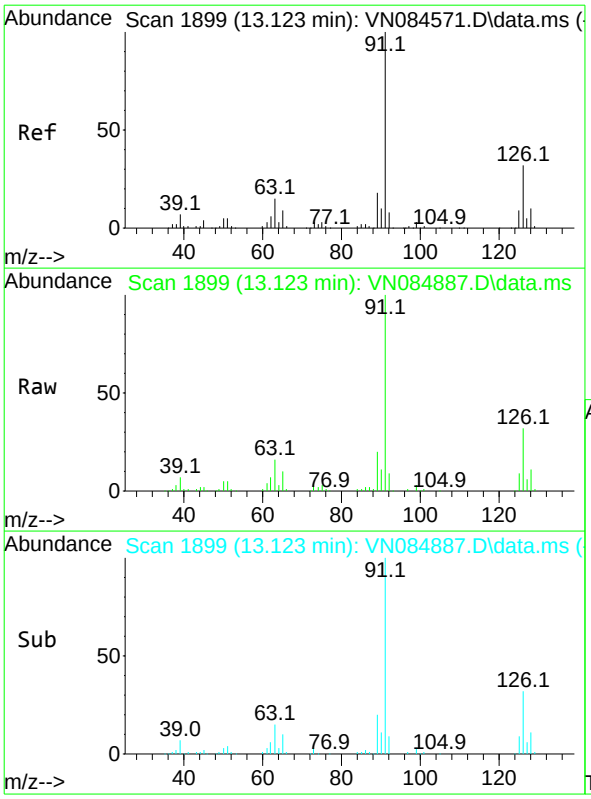


#78
n-propylbenzene
Concen: 19.360 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 91 Resp: 197703

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4

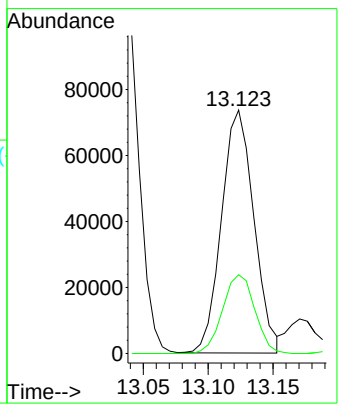




#79
2-Chlorotoluene
Concen: 19.202 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 91 Resp: 128127

Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
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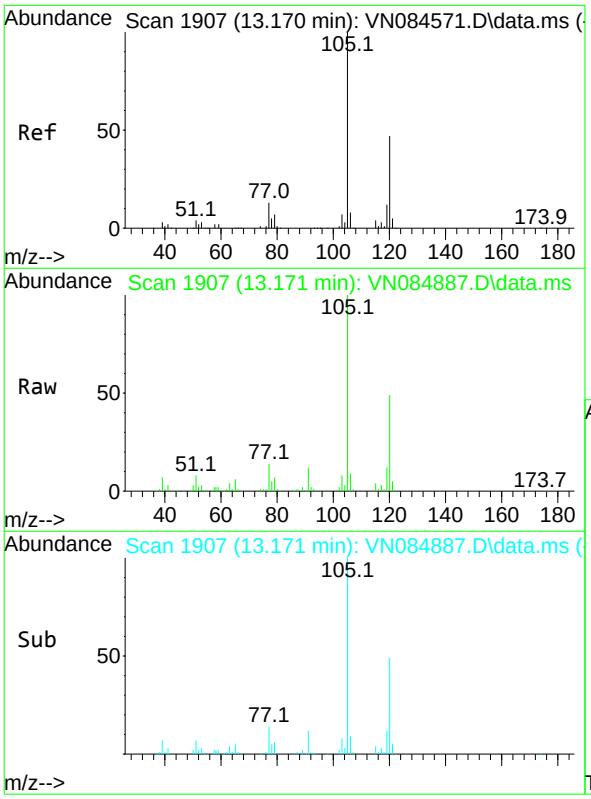
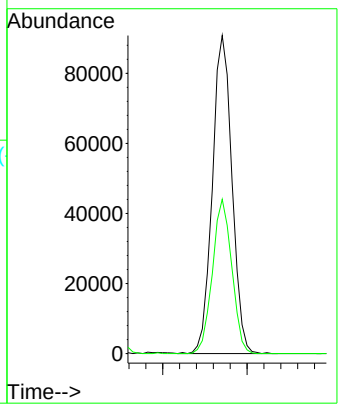
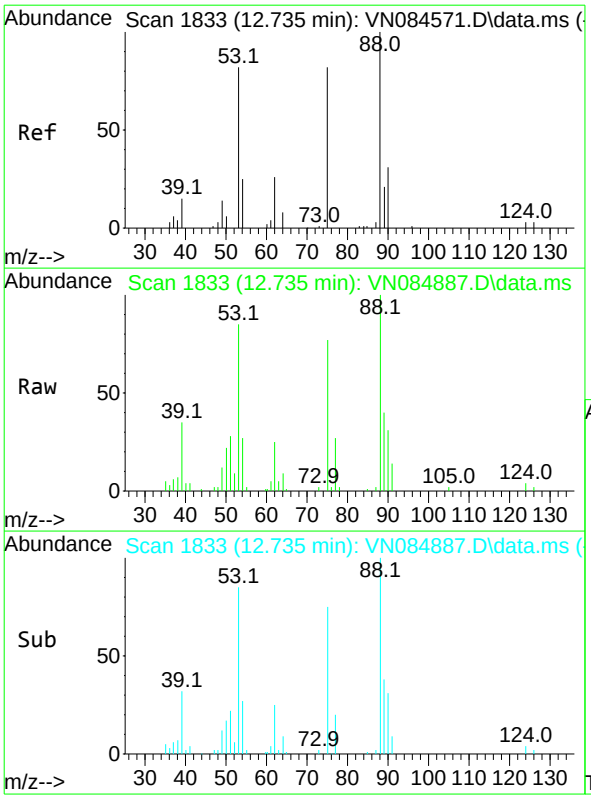


#80
1,3,5-Trimethylbenzene
Concen: 20.299 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:105 Resp: 146613

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.7	71.1

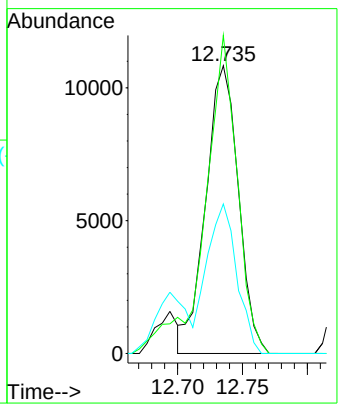




#81
trans-1,4-Dichloro-2-butene
Concen: 18.081 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 75 Resp: 18945

Ion	Ratio	Lower	Upper
75	100		
53	109.5	78.0	117.0
89	47.6	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

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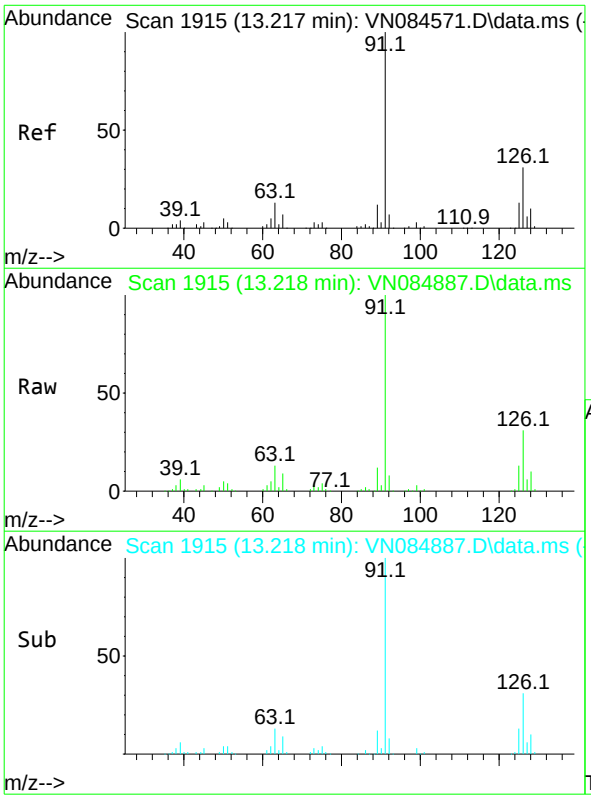
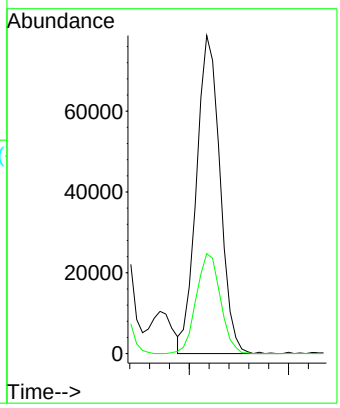
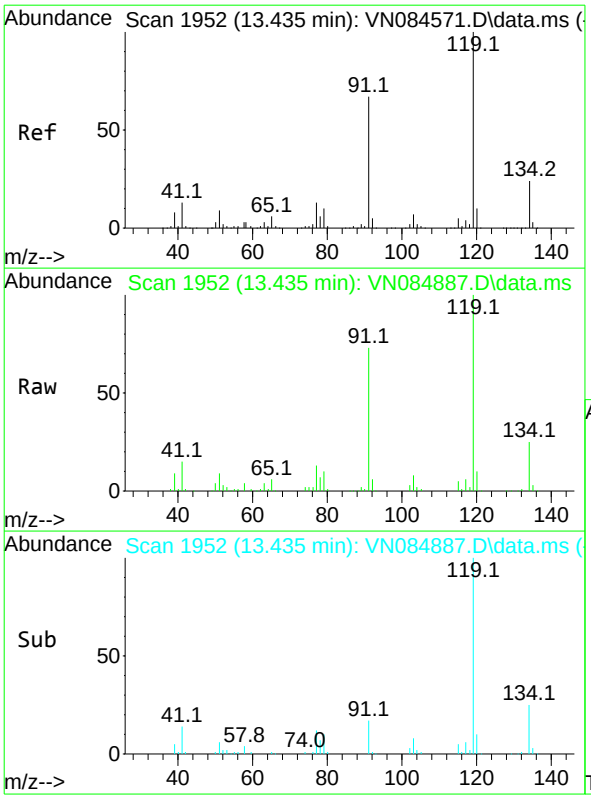


#82
4-Chlorotoluene
Concen: 18.489 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 91 Resp: 129830

Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.7	47.1

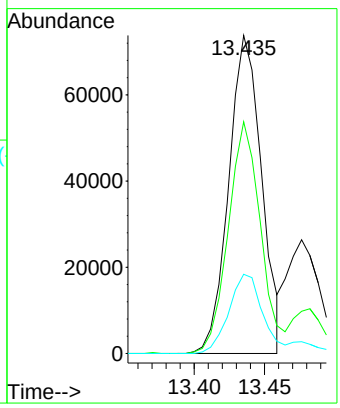




#83
tert-Butylbenzene
Concen: 20.070 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:119 Resp: 119970

Ion	Ratio	Lower	Upper
119	100		
91	71.9	34.1	102.3
134	25.5	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

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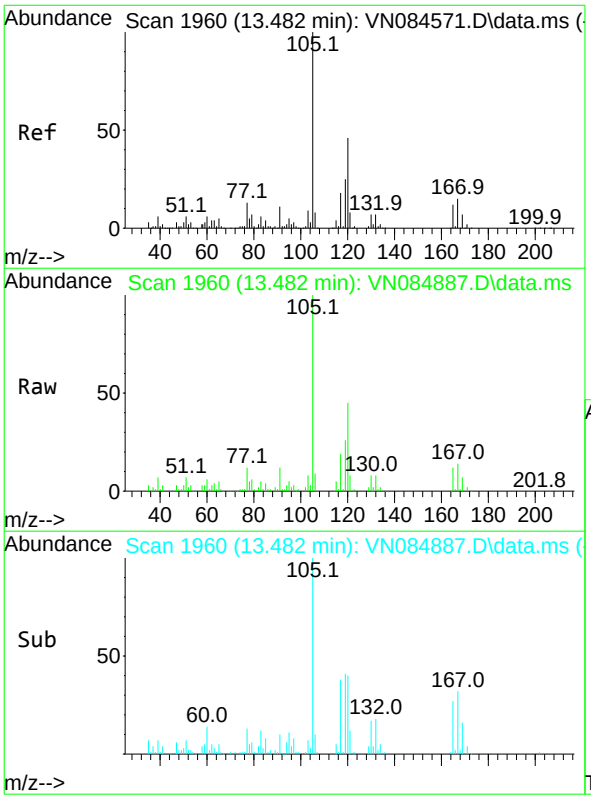
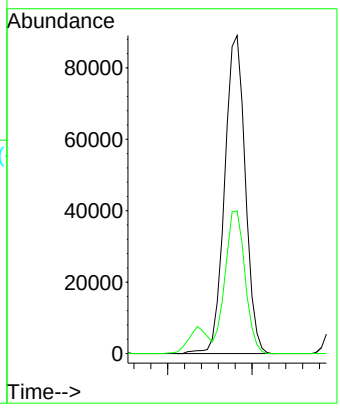
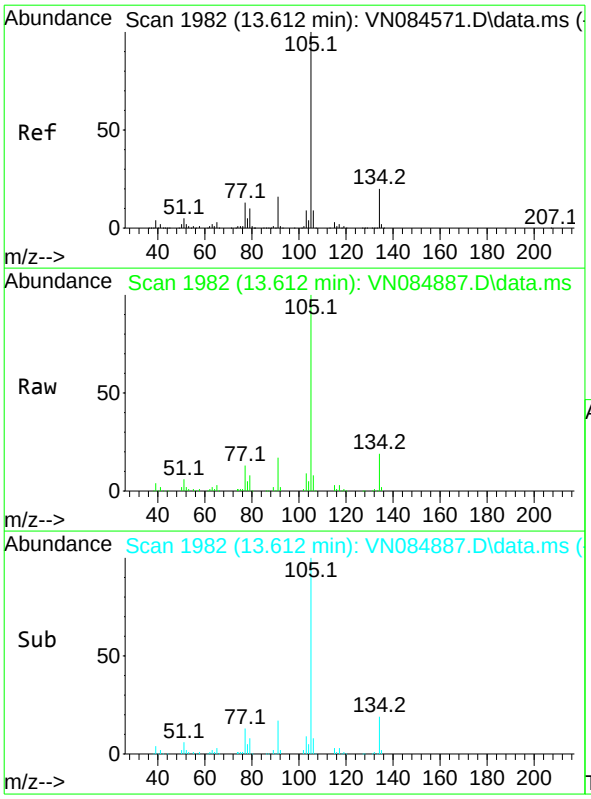


#84
1,2,4-Trimethylbenzene
Concen: 20.245 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:105 Resp: 150913

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.3	66.8

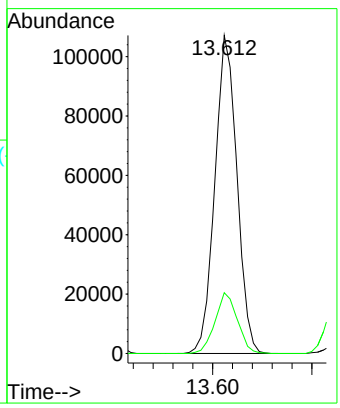




#85
sec-Butylbenzene
Concen: 19.613 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:105 Resp: 165605

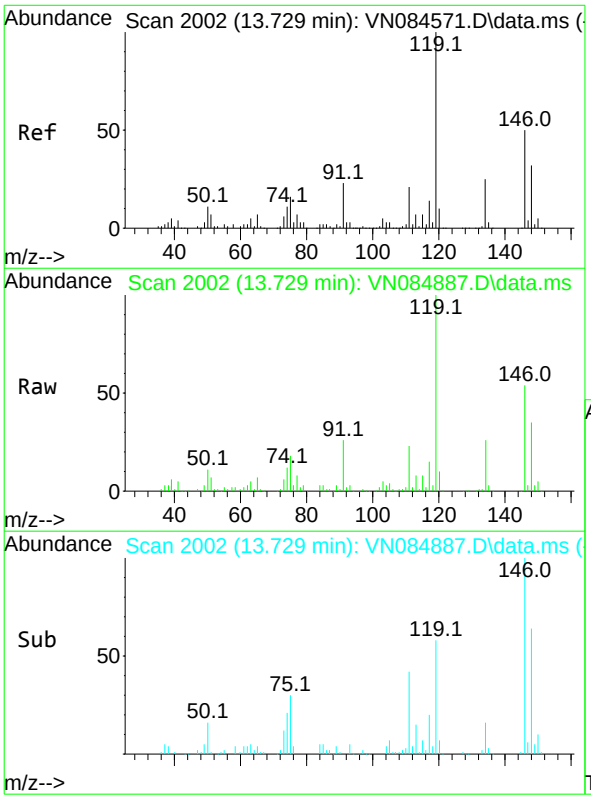
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Manual Integrations APPROVED

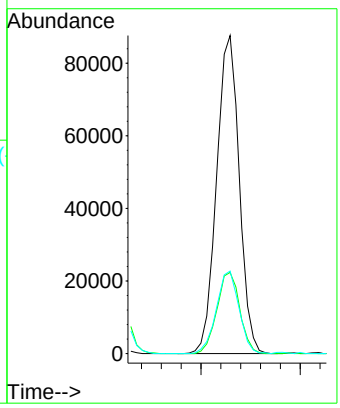
Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

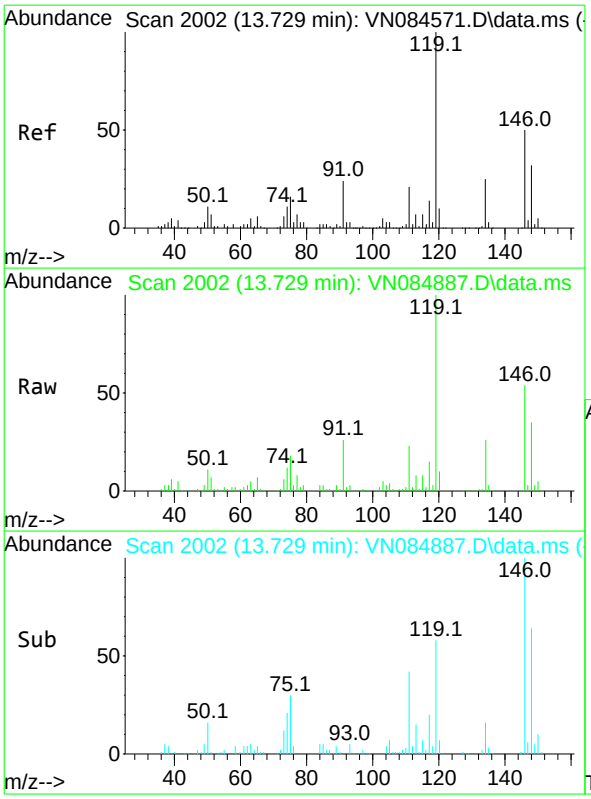


#86
p-Isopropyltoluene
Concen: 20.033 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:119 Resp: 138725

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.6	37.8
91	26.0	12.4	37.2

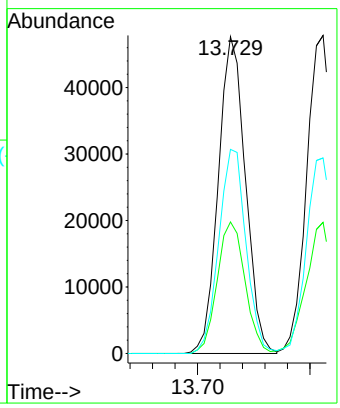




#87
1,3-Dichlorobenzene
Concen: 17.465 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:146 Resp: 79850

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.8	65.3
148	64.9	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Manual Integrations
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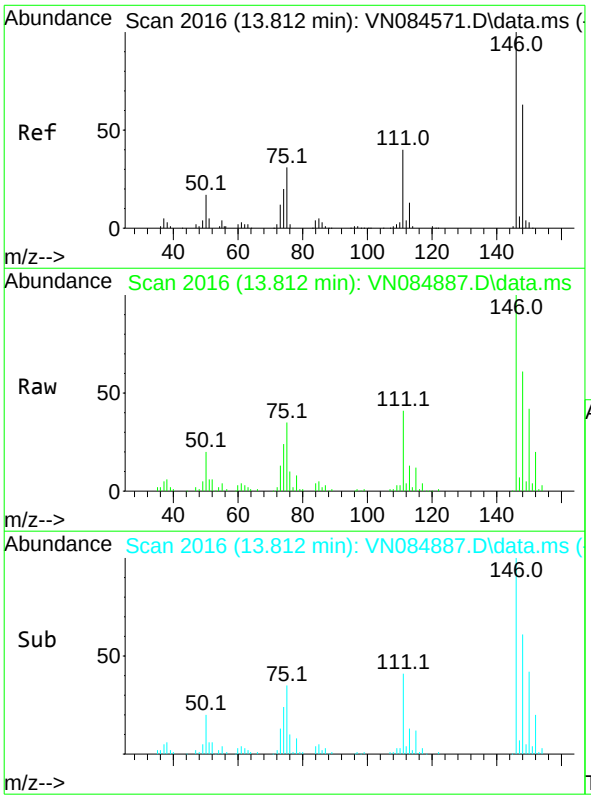
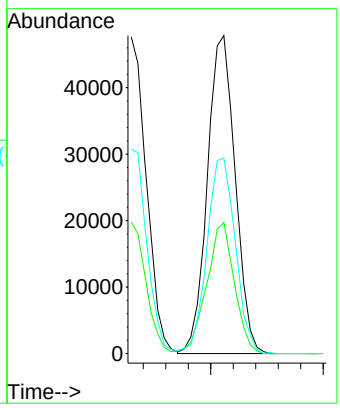
Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

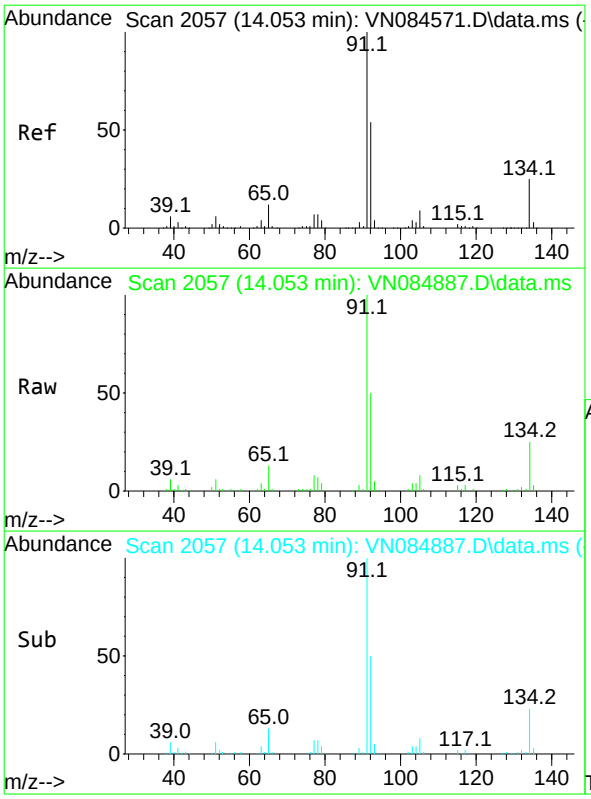


#88
1,4-Dichlorobenzene
Concen: 18.909 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:146 Resp: 82241

Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.2	63.6
148	62.6	31.9	95.9

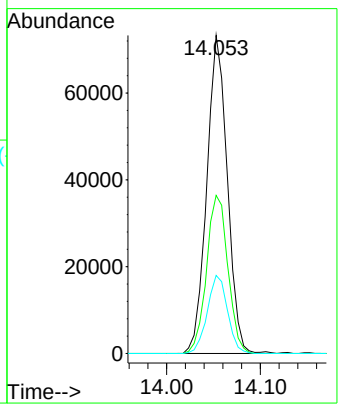




#89
n-Butylbenzene
Concen: 17.232 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 91 Resp: 111622

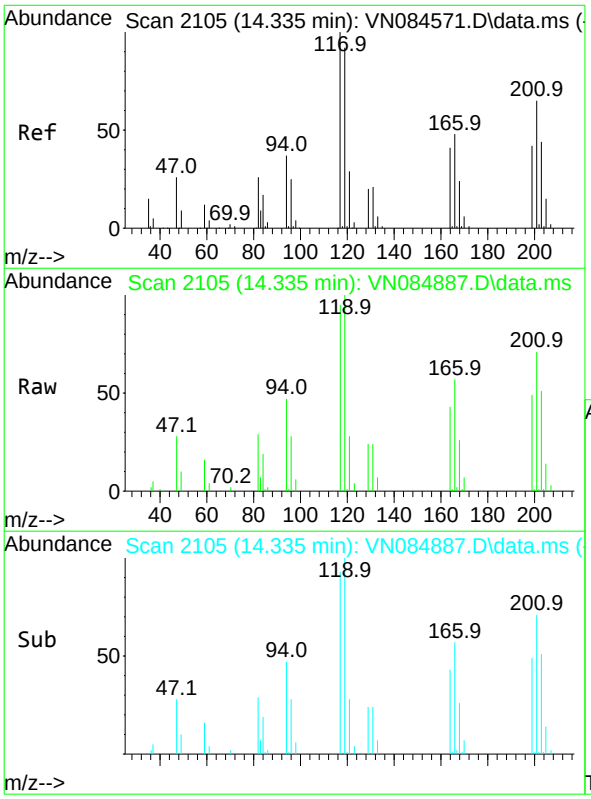
Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.6	79.7
134	24.2	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Manual Integrations APPROVED

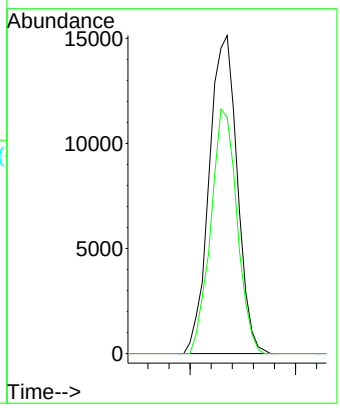
Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

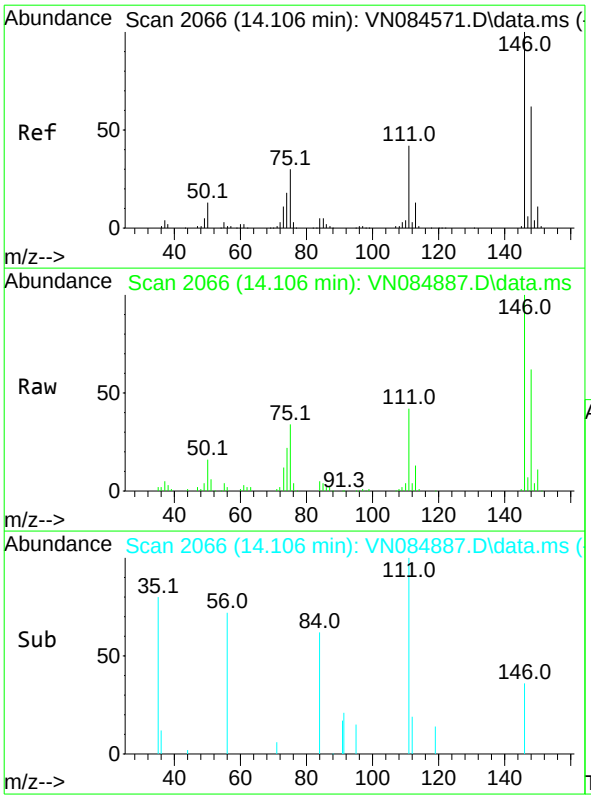


#90
Hexachloroethane
Concen: 18.108 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:117 Resp: 27964

Ion	Ratio	Lower	Upper
117	100		
201	72.0	34.4	103.2

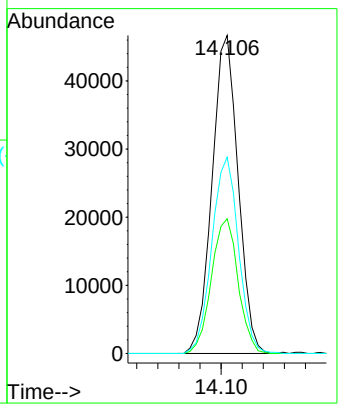




#91
1,2-Dichlorobenzene
Concen: 18.190 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:146 Resp: 79916

Ion	Ratio	Lower	Upper
146	100		
111	43.5	22.0	66.0
148	63.3	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

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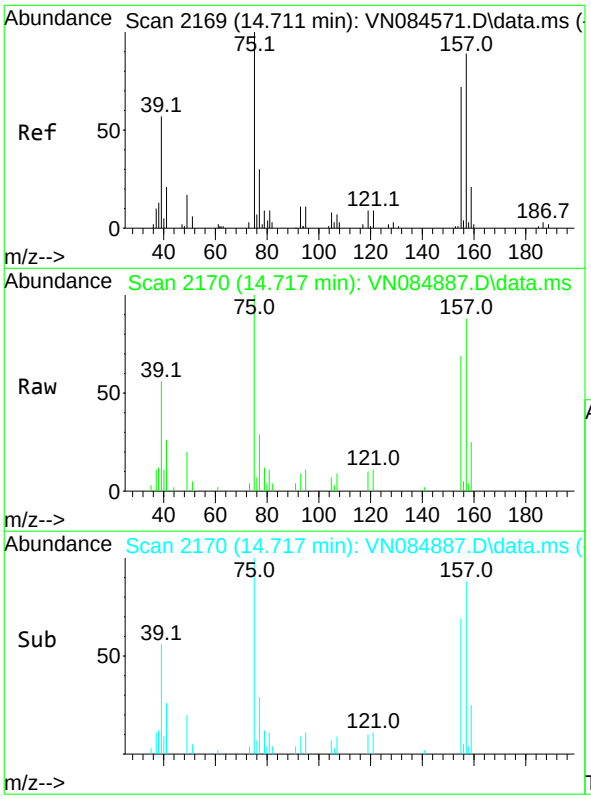
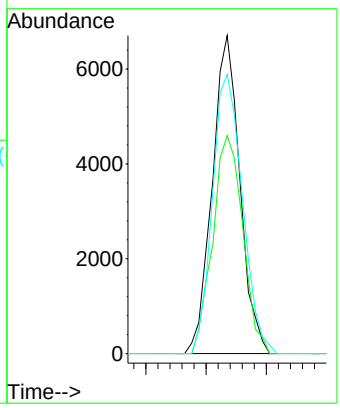
Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

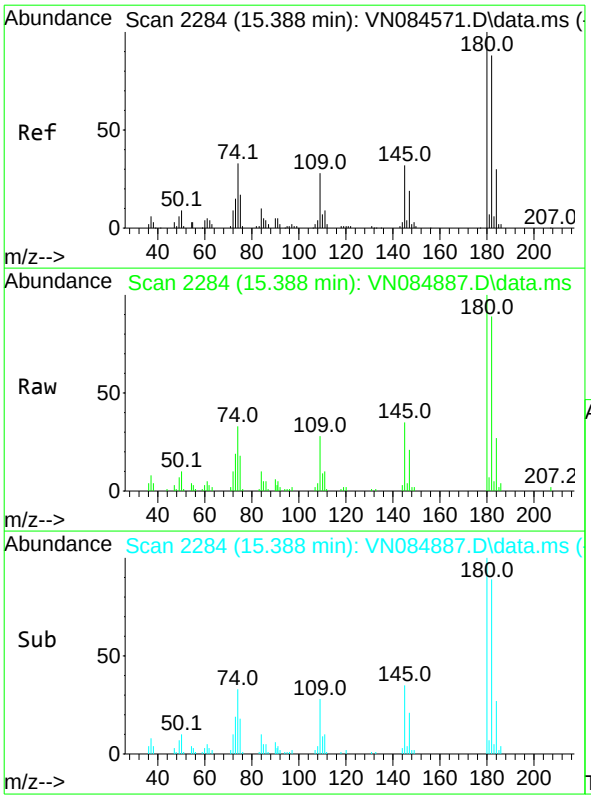


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.158 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 75 Resp: 10700

Ion	Ratio	Lower	Upper
75	100		
155	74.4	38.1	114.5
157	95.1	49.6	149.0

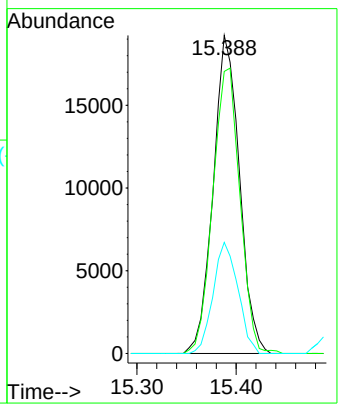




#93
1,2,4-Trichlorobenzene
Concen: 14.690 ug/l
RT: 15.388 min Scan# 22
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:180 Resp: 35324

Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.0	141.0
145	33.0	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Manual Integrations APPROVED

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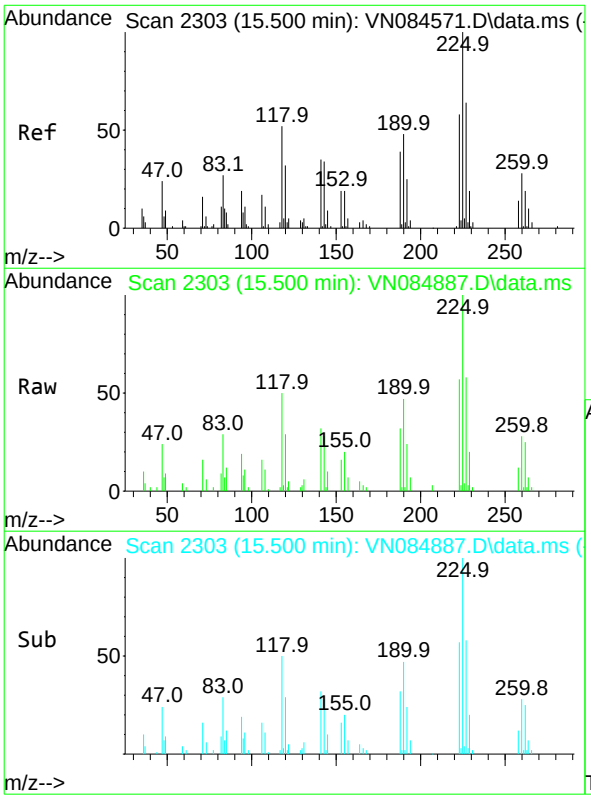
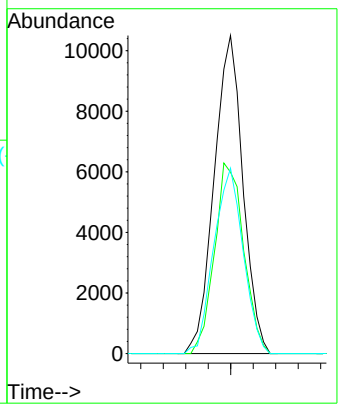
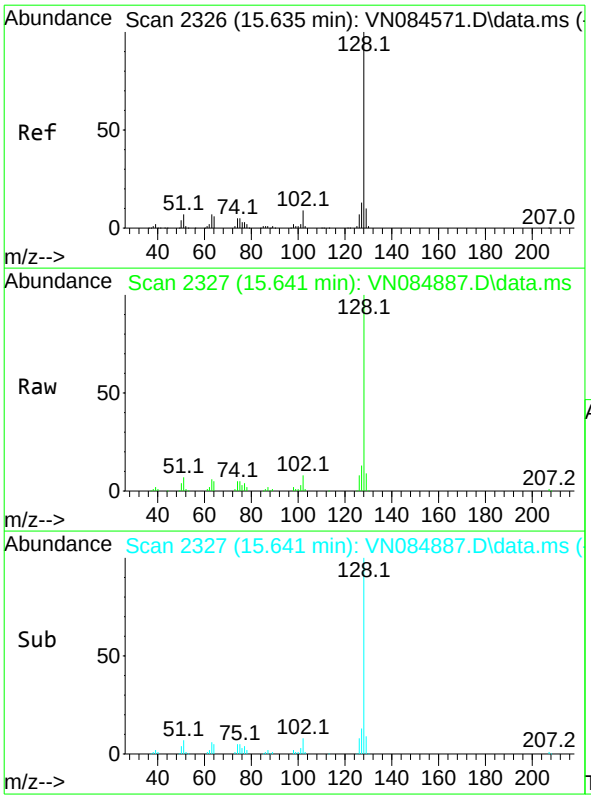


#94
Hexachlorobutadiene
Concen: 17.673 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:225 Resp: 18663

Ion	Ratio	Lower	Upper
225	100		
223	60.7	32.4	97.2
227	59.5	32.4	97.0

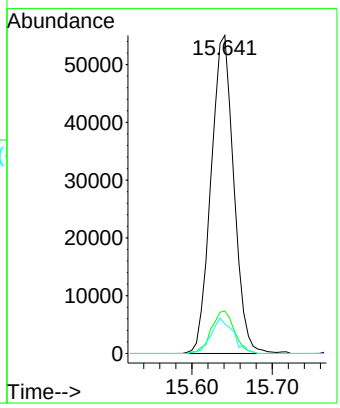




#95
Naphthalene
Concen: 15.073 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:128 Resp: 108489

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.5	15.7
129	10.9	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Manual Integrations
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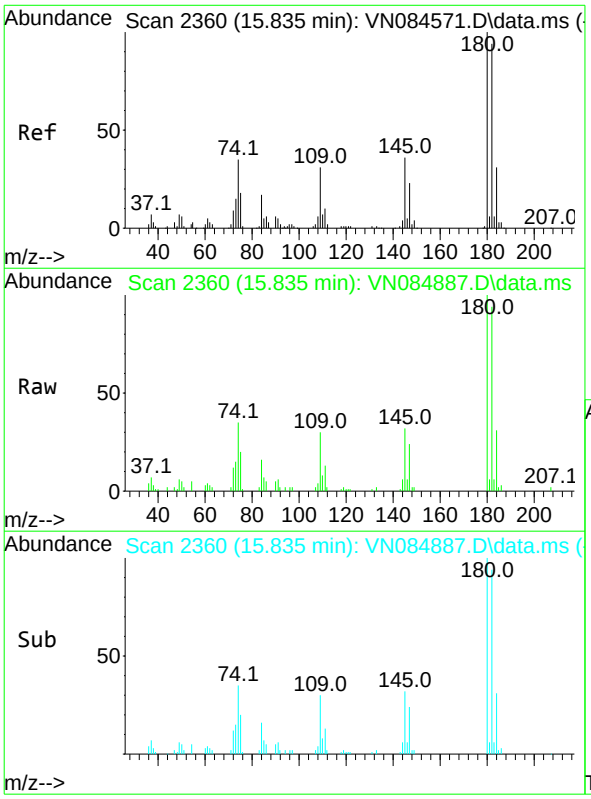
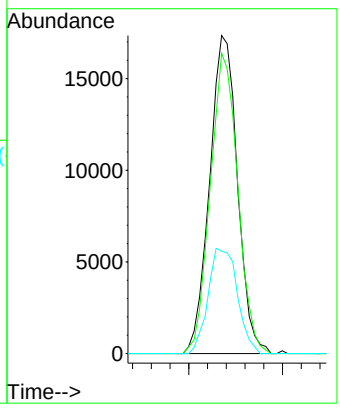
Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024



#96
1,2,3-Trichlorobenzene
Concen: 15.341 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:180 Resp: 35810

Ion	Ratio	Lower	Upper
180	100		
182	93.2	48.2	144.6
145	34.6	17.3	51.9



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VN1119WBS01	SDG No.:	P4845
Lab Sample ID:	VN1119WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084938.D	1		11/19/24 11:40	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	18.8		0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	16.8		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	19.4		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	18.8		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	19.9		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.8		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.7		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.9		0.26	0.75	1.00	ug/L
67-64-1	Acetone	120		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	16.3		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.9		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	18.6		0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	19.3		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.0		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.1		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	19.1		1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	120		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.5		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.6		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	23.3		0.18	0.50	1.00	ug/L
67-66-3	Chloroform	20.7		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.6		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	19.5		0.19	0.50	1.00	ug/L
71-43-2	Benzene	19.3		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.1		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	18.7		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.9		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	20.1		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	2.50	5.00	ug/L
108-88-3	Toluene	20.6		0.18	0.50	1.00	ug/L

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VN1119WBS01	SDG No.:	P4845
Lab Sample ID:	VN1119WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084938.D	1		11/19/24 11:40	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.9		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.8		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.8		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	120		1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	20.0		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.9		0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.2		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	18.9		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.4		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	40.1		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	20.6		0.14	0.50	1.00	ug/L
100-42-5	Styrene	19.4		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	20.3		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	18.9		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.2		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	16.7		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.5		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	16.9		0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.8		0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	15.0		0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	14.8		0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.8		81 - 118		96%	SPK: 50
1868-53-7	Dibromofluoromethane	46.5		80 - 119		93%	SPK: 50
2037-26-5	Toluene-d8	45.6		89 - 112		91%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		85 - 114		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	167000	8.218				
540-36-3	1,4-Difluorobenzene	287000	9.1				
3114-55-4	Chlorobenzene-d5	253000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	131000	13.788				

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VN1119WBS01	SDG No.:	P4845
Lab Sample ID:	VN1119WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084938.D	1		11/19/24 11:40	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084938.D
Acq On : 19 Nov 2024 11:40
Operator : JC\MD
Sample : VN1119WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 20 00:22:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Manual Integrations APPROVED
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	167364	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	286809	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	252679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131165	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	115474	47.770	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.540%			
35) Dibromofluoromethane	8.165	113	90242	46.484	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.960%			
50) Toluene-d8	10.565	98	325946	45.579	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.160%			
62) 4-Bromofluorobenzene	12.847	95	128829	48.202	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	36130	18.779	ug/l	98
3) Chloromethane	2.360	50	41727	16.810	ug/l	97
4) Vinyl Chloride	2.512	62	40114	19.385	ug/l	99
5) Bromomethane	2.901	94	20586	18.776	ug/l	98
6) Chloroethane	3.065	64	26614	19.938	ug/l	96
7) Trichlorofluoromethane	3.465	101	67356	19.759	ug/l	98
8) Diethyl Ether	3.954	74	25064	20.843	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.348	101	39960	20.746	ug/l	96
10) Methyl Iodide	4.571	142	51608	20.047	ug/l	99
11) Tert butyl alcohol	5.536	59	37827	118.551	ug/l	96
12) 1,1-Dichloroethene	4.324	96	36073	18.927	ug/l	93
13) Acrolein	4.171	56	39136	123.002	ug/l	96
14) Allyl chloride	5.012	41	60147	19.459	ug/l	94
15) Acrylonitrile	5.712	53	100056	108.319	ug/l	99
16) Acetone	4.430	43	81687	115.450	ug/l	99
17) Carbon Disulfide	4.695	76	95480	16.267	ug/l	98
18) Methyl Acetate	5.018	43	53894	18.624	ug/l	98
19) Methyl tert-butyl Ether	5.795	73	122075	20.897	ug/l	98
20) Methylene Chloride	5.265	84	40989	19.279	ug/l	94
21) trans-1,2-Dichloroethene	5.771	96	37116	18.965	ug/l	90
22) Diisopropyl ether	6.665	45	130755	21.290	ug/l	97
23) Vinyl Acetate	6.595	43	447227	105.593	ug/l	99
24) 1,1-Dichloroethane	6.565	63	74117	20.100	ug/l #	96
25) 2-Butanone	7.483	43	131314	116.439	ug/l	96
26) 2,2-Dichloropropane	7.483	77	68443	21.326	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	44729	19.574	ug/l	98
28) Bromochloromethane	7.812	49	34242	23.308	ug/l	99
29) Tetrahydrofuran	7.836	42	79498	106.257	ug/l	94
30) Chloroform	7.959	83	77863	20.747	ug/l	99
31) Cyclohexane	8.253	56	63583	19.052	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	70342	20.592	ug/l	98
36) 1,1-Dichloropropene	8.365	75	51548	19.146	ug/l	98
37) Ethyl Acetate	7.559	43	51933	21.260	ug/l #	94
38) Carbon Tetrachloride	8.359	117	58554	19.457	ug/l	93
39) Methylcyclohexane	9.600	83	53483	19.526	ug/l	97
40) Benzene	8.600	78	166743	19.284	ug/l	99

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Operator : JC\MD
Sample : VN1119WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 20 00:22:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Manual Integrations APPROVED

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.771	41	28323	21.561 ug/l	93
42) 1,2-Dichloroethane	8.665	62	59066	21.093 ug/l	100
43) Isopropyl Acetate	8.688	43	100867	21.807 ug/l	98
44) Trichloroethene	9.347	130	37236	18.673 ug/l	95
45) 1,2-Dichloropropane	9.618	63	40398	19.917 ug/l	93
46) Dibromomethane	9.706	93	28390	19.836 ug/l	96
47) Bromodichloromethane	9.883	83	60687	20.115 ug/l	99
48) Methyl methacrylate	9.683	41	40746	21.432 ug/l	98
49) 1,4-Dioxane	9.694	88	15027	446.038 ug/l #	80
51) 4-Methyl-2-Pentanone	10.441	43	266202	114.312 ug/l	100
52) Toluene	10.630	92	104204	20.606 ug/l	97
53) t-1,3-Dichloropropene	10.835	75	58885	18.856 ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	65422	19.793 ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	39586	20.781 ug/l	96
56) Ethyl methacrylate	10.871	69	59364	21.545 ug/l	97
57) 1,3-Dichloropropane	11.159	76	67357	20.603 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	139905	108.511 ug/l	97
59) 2-Hexanone	11.194	43	199980	117.979 ug/l	100
60) Dibromochloromethane	11.359	129	43514	20.043 ug/l	95
61) 1,2-Dibromoethane	11.465	107	38886	19.935 ug/l	96
64) Tetrachloroethene	11.100	164	32191	19.153 ug/l	97
65) Chlorobenzene	11.888	112	107058	18.939 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	39898	20.291 ug/l	97
67) Ethyl Benzene	11.965	91	183422	19.439 ug/l	99
68) m/p-Xylenes	12.071	106	143310	40.117 ug/l	100
69) o-Xylene	12.400	106	68863	20.606 ug/l	99
70) Styrene	12.412	104	113129	19.406 ug/l	99
71) Bromoform	12.576	173	30101	20.345 ug/l #	100
73) Isopropylbenzene	12.694	105	173994	18.929 ug/l	100
74) N-amyl acetate	12.494	43	74637	19.078 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	58779	19.158 ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	49539m	18.894 ug/l	
77) Bromobenzene	12.976	156	43232	17.496 ug/l	97
78) n-propylbenzene	13.035	91	199093	18.484 ug/l	100
79) 2-Chlorotoluene	13.124	91	132044	18.762 ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	148018	19.429 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	19909	18.014 ug/l	99
82) 4-Chlorotoluene	13.218	91	129851	17.532 ug/l	98
83) tert-Butylbenzene	13.435	119	120889	19.173 ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	149905	19.065 ug/l	98
85) sec-Butylbenzene	13.612	105	169384	19.019 ug/l	99
86) p-Isopropyltoluene	13.729	119	140547	19.242 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	80412	16.675 ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	80399	17.455 ug/l	99
89) n-Butylbenzene	14.053	91	115610	16.921 ug/l	99
90) Hexachloroethane	14.335	117	27883	17.118 ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	78540	16.949 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	11687	18.803 ug/l	93
93) 1,2,4-Trichlorobenzene	15.388	180	38073	15.011 ug/l	100
94) Hexachlorobutadiene	15.494	225	17984	16.146 ug/l	99
95) Naphthalene	15.641	128	117873	15.526 ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	36396	14.782 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084938.D
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Operator : JC\MD
Sample : VN1119WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 20 00:22:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Manual Integrations APPROVED

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Supervised By :Mahesh Dadoda 11/20/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Instrument :
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ClientSampleId :
VN1119WBS01

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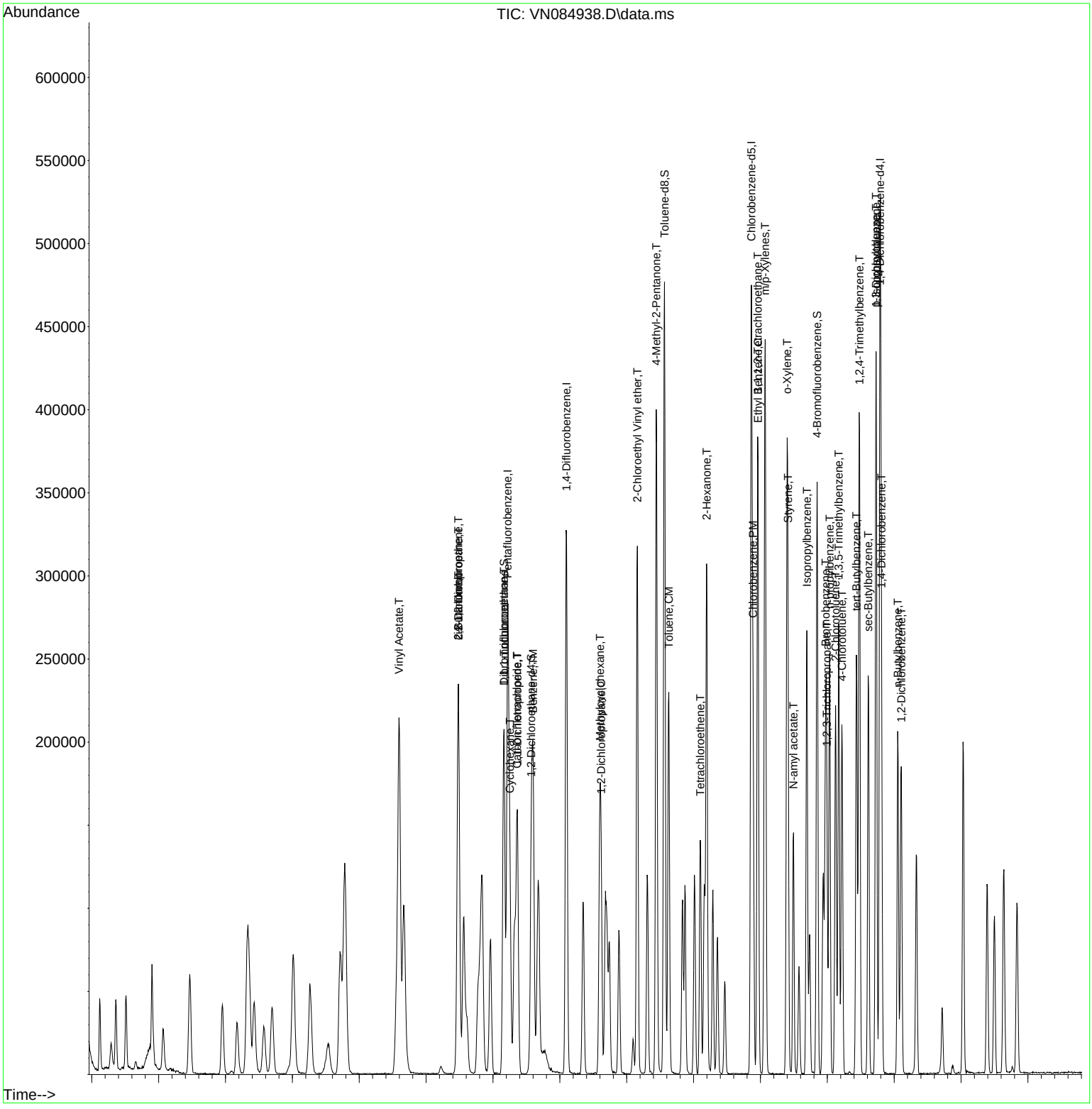
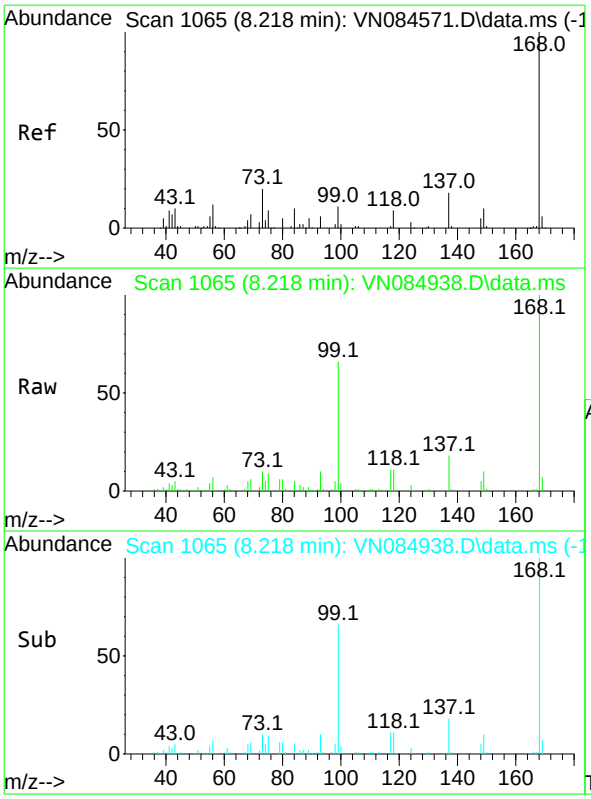
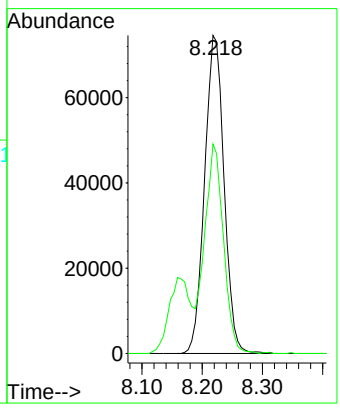




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:168 Resp: 167364

Ion	Ratio	Lower	Upper
168	100		
99	65.9	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

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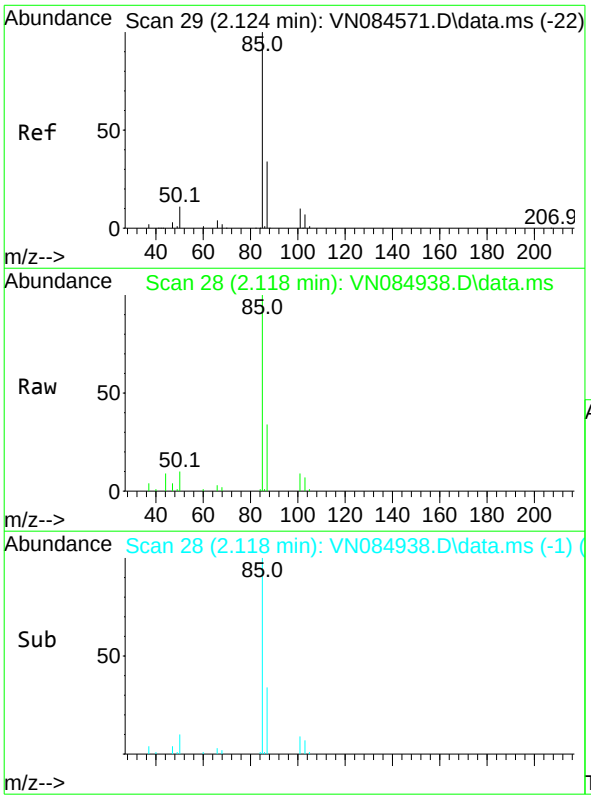
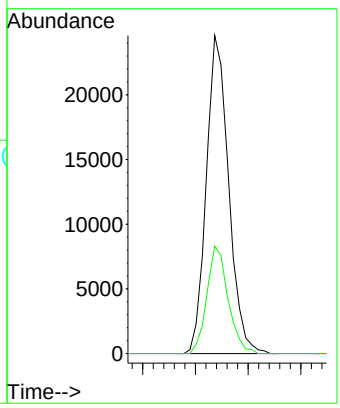
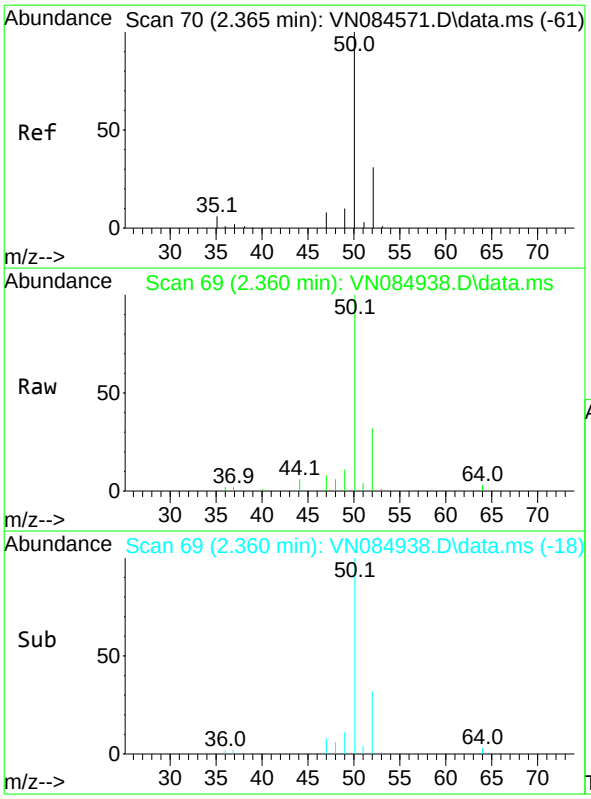


#2
Dichlorodifluoromethane
Concen: 18.779 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 85 Resp: 36130

Ion	Ratio	Lower	Upper
85	100		
87	33.8	17.6	52.9

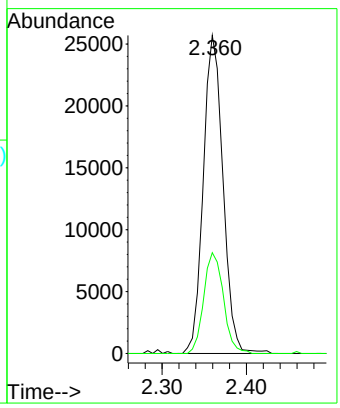




#3
Chloromethane
Concen: 16.810 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.001 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 50 Resp: 41727

Ion	Ratio	Lower	Upper
50	100		
52	31.7	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

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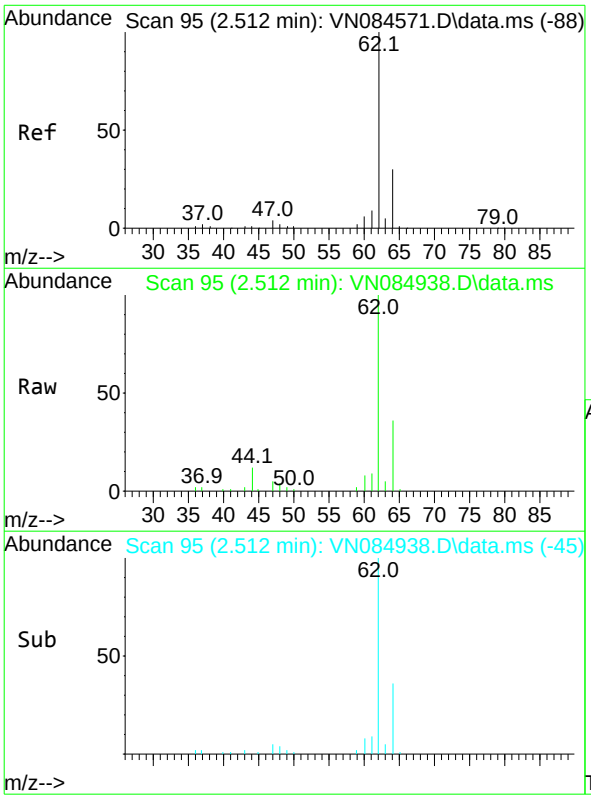
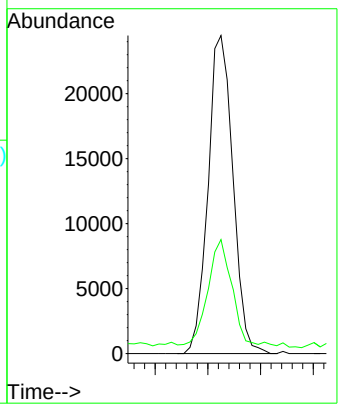
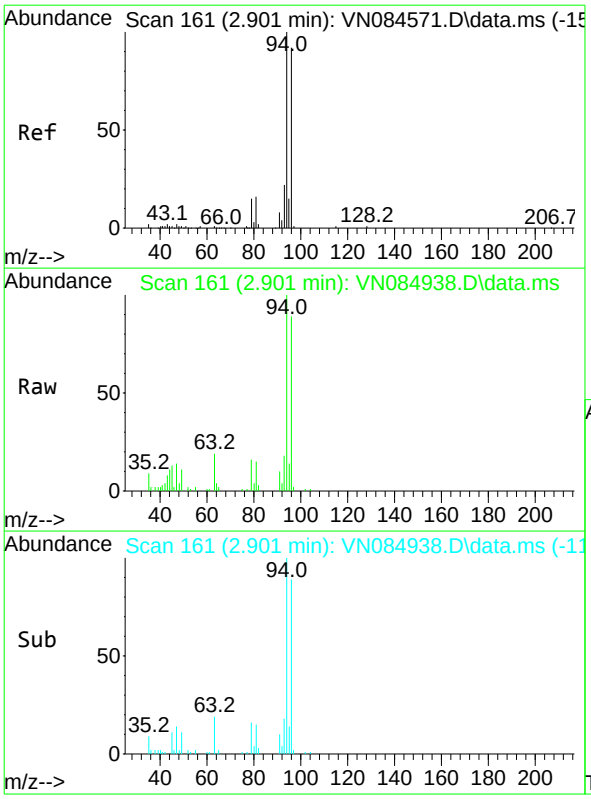


#4
Vinyl Chloride
Concen: 19.385 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 62 Resp: 40114

Ion	Ratio	Lower	Upper
62	100		
64	33.4	26.2	39.4

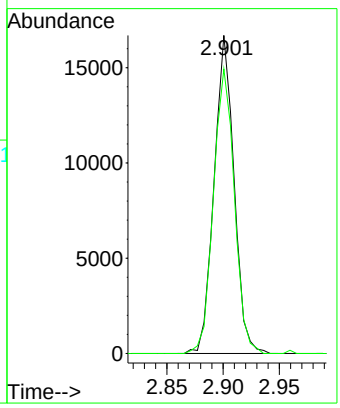




#5
Bromomethane
Concen: 18.776 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.052 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 94 Resp: 20586

Ion	Ratio	Lower	Upper
94	100		
96	89.4	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

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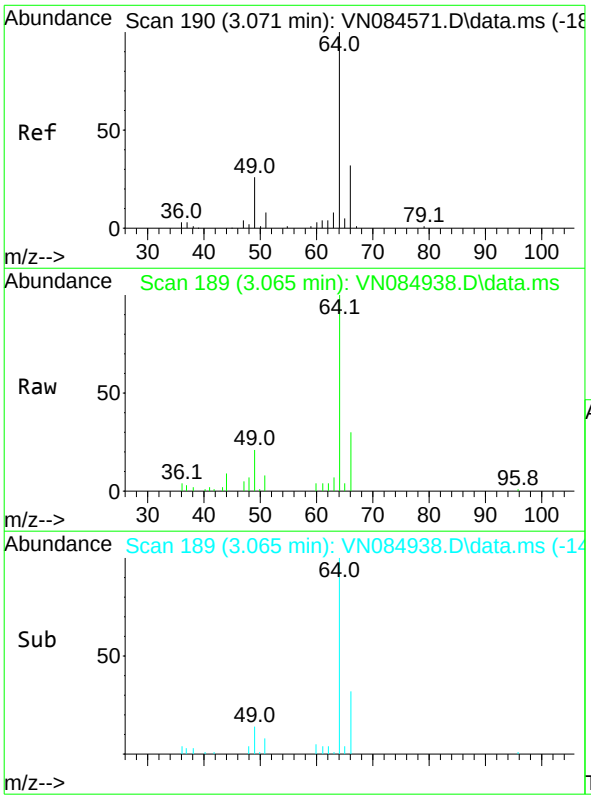
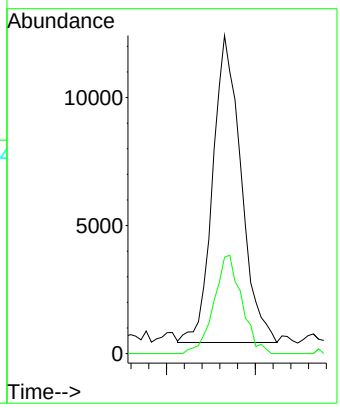
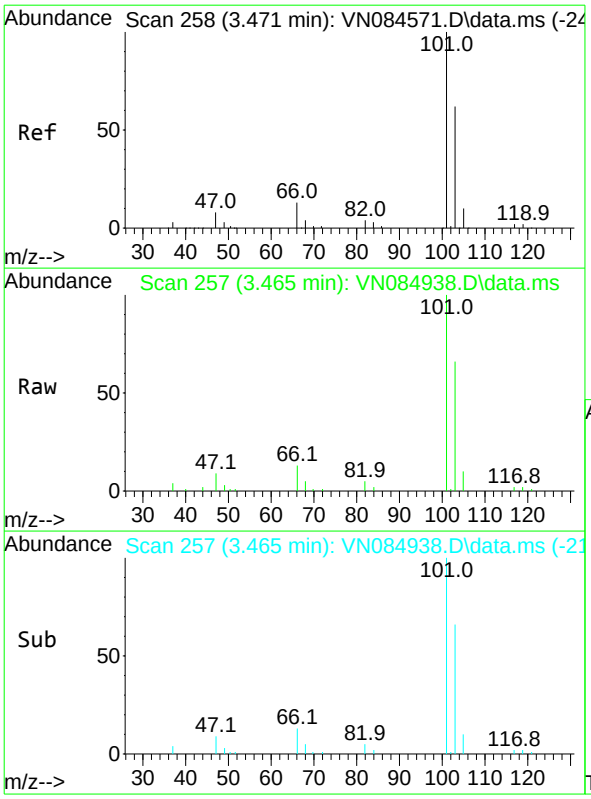


#6
Chloroethane
Concen: 19.938 ug/l
RT: 3.065 min Scan# 189
Delta R.T. -0.053 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 64 Resp: 26614

Ion	Ratio	Lower	Upper
64	100		
66	31.4	23.5	35.3

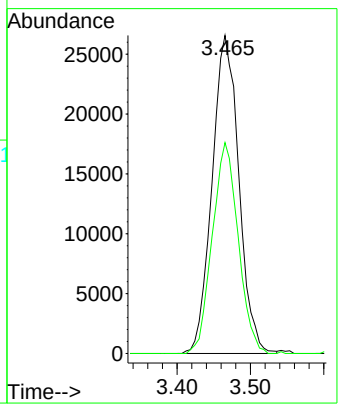




#7
Trichlorofluoromethane
Concen: 19.759 ug/l
RT: 3.465 min Scan# 25
Delta R.T. -0.030 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:101 Resp: 67356

Ion	Ratio	Lower	Upper
101	100		
103	66.3	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

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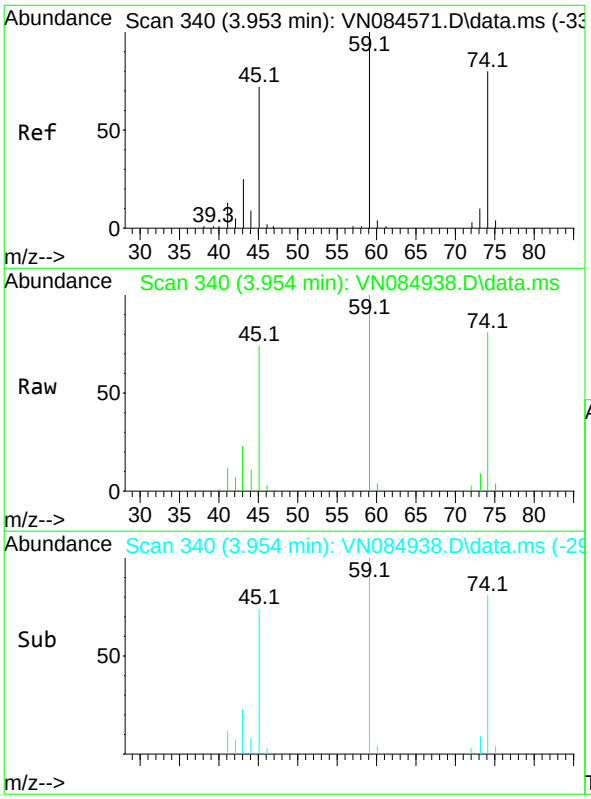
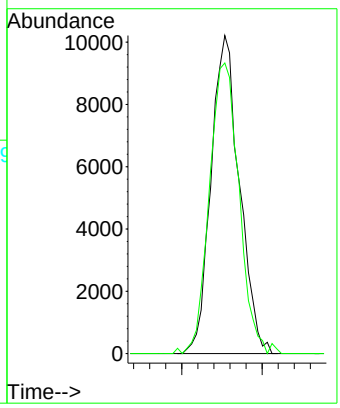
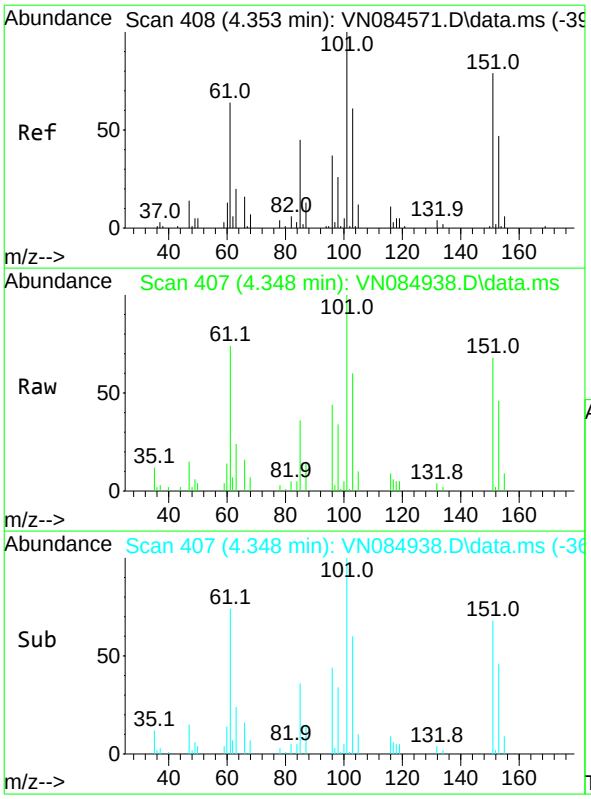


#8
Diethyl Ether
Concen: 20.843 ug/l
RT: 3.954 min Scan# 340
Delta R.T. -0.005 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 74 Resp: 25064

Ion	Ratio	Lower	Upper
74	100		
45	95.0	47.7	143.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.746 ug/l
RT: 4.348 min Scan# 40
Delta R.T. -0.023 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:101 Resp: 39960

Ion	Ratio	Lower	Upper
101	100		
85	41.9	36.2	54.4
151	71.6	59.3	88.9

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Manual Integrations
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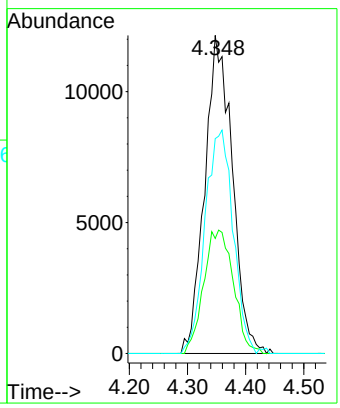
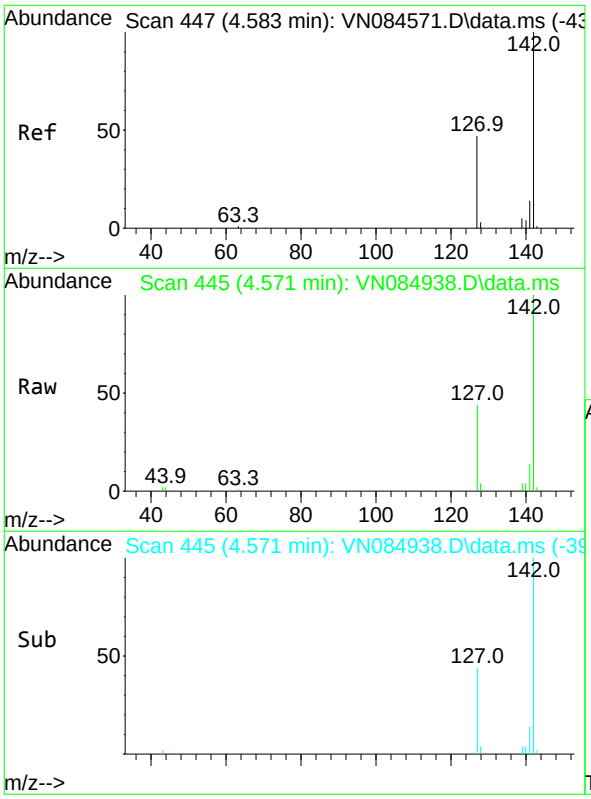
Supervised By :Mahesh Dadoda 11/20/2024

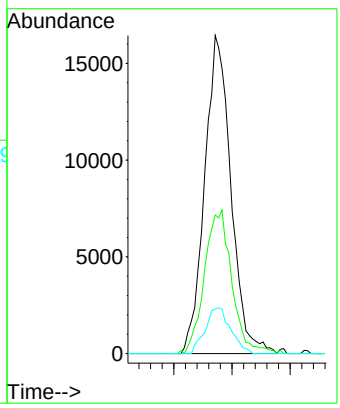


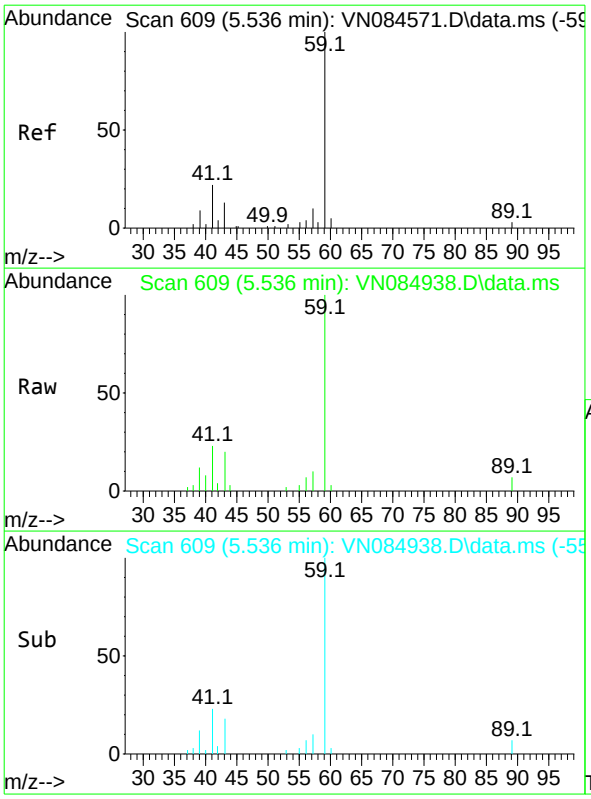


#10
Methyl Iodide
Concen: 20.047 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.023 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:142 Resp: 51608

Ion	Ratio	Lower	Upper
142	100		
127	43.6	35.3	52.9
141	14.0	11.0	16.6

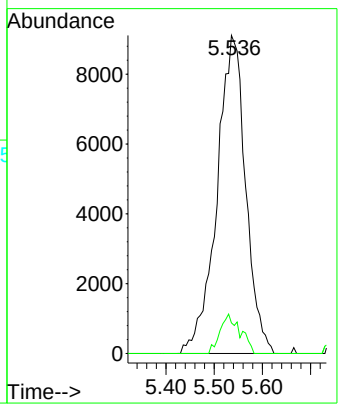




#11
Tert butyl alcohol
Concen: 118.551 ug/l
RT: 5.536 min Scan# 60
Delta R.T. 0.012 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 59 Resp: 37827

Ion	Ratio	Lower	Upper
59	100		
57	8.6	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

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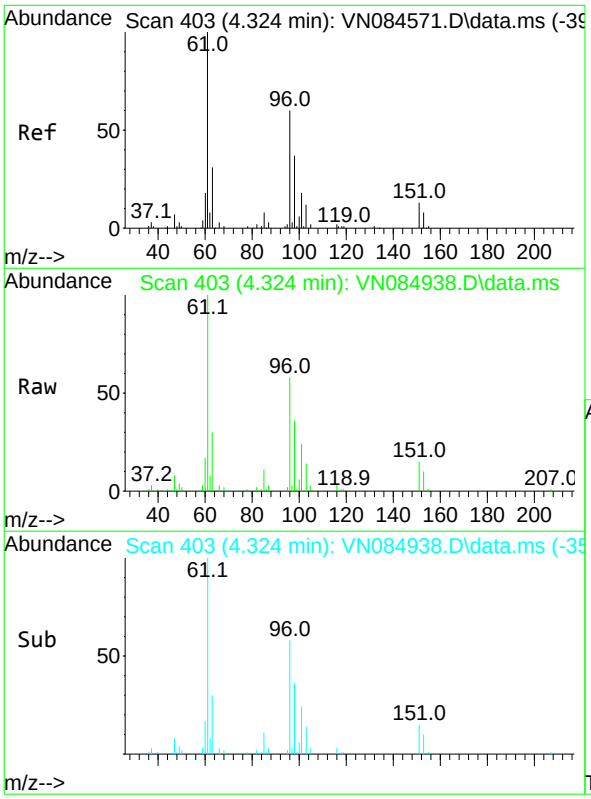
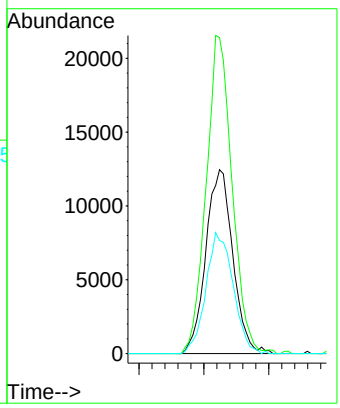
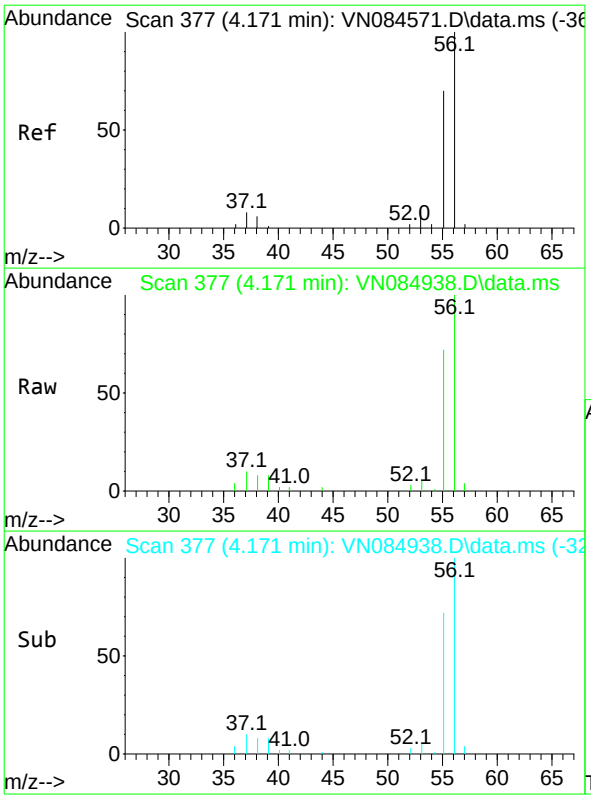


#12
1,1-Dichloroethene
Concen: 18.927 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 96 Resp: 36073

Ion	Ratio	Lower	Upper
96	100		
61	171.8	128.6	192.8
98	61.4	51.7	77.5

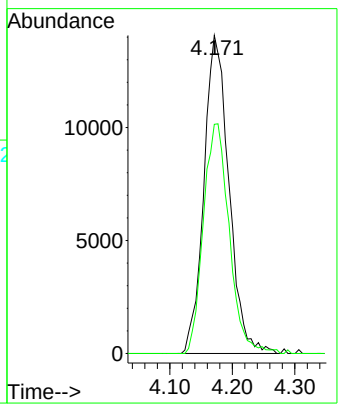




#13
Acrolein
Concen: 123.002 ug/l
RT: 4.171 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 56 Resp: 39136

Ion	Ratio	Lower	Upper
56	100		
55	74.7	57.2	85.8



Instrument :
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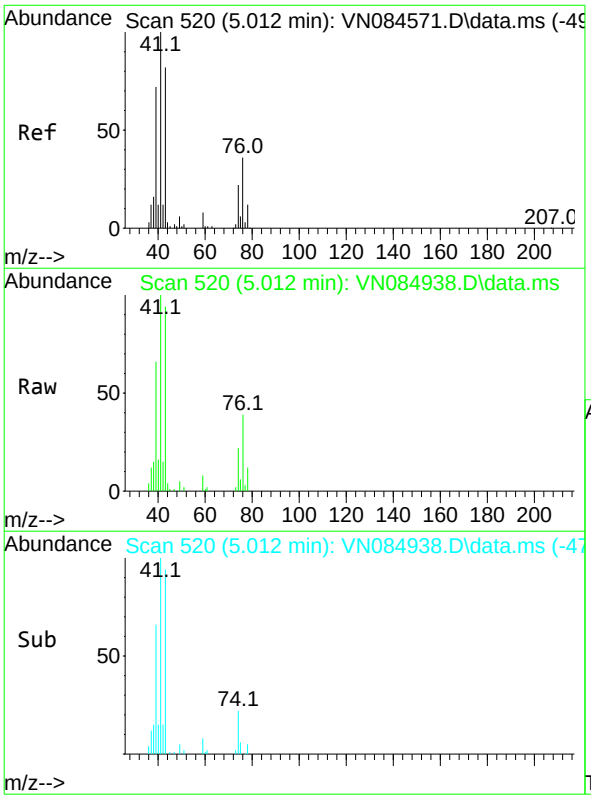
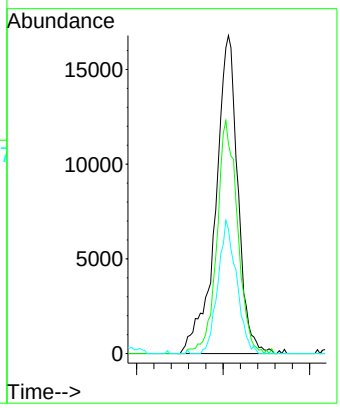
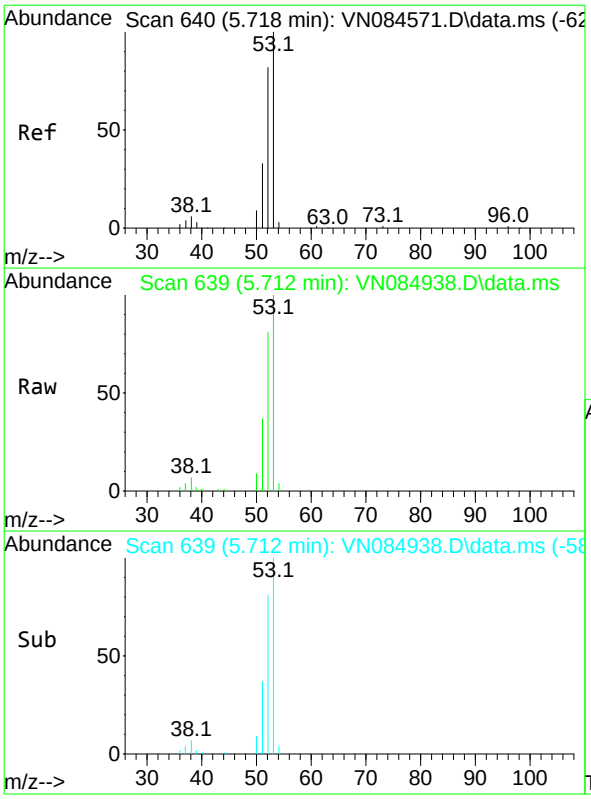


#14
Allyl chloride
Concen: 19.459 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 41 Resp: 60147

Ion	Ratio	Lower	Upper
41	100		
39	67.5	59.0	88.6
76	34.9	29.8	44.6

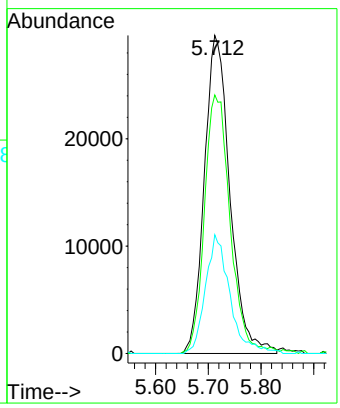




#15
Acrylonitrile
Concen: 108.319 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 53 Resp: 100056

Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.2	99.4
51	35.6	28.8	43.2



Instrument :
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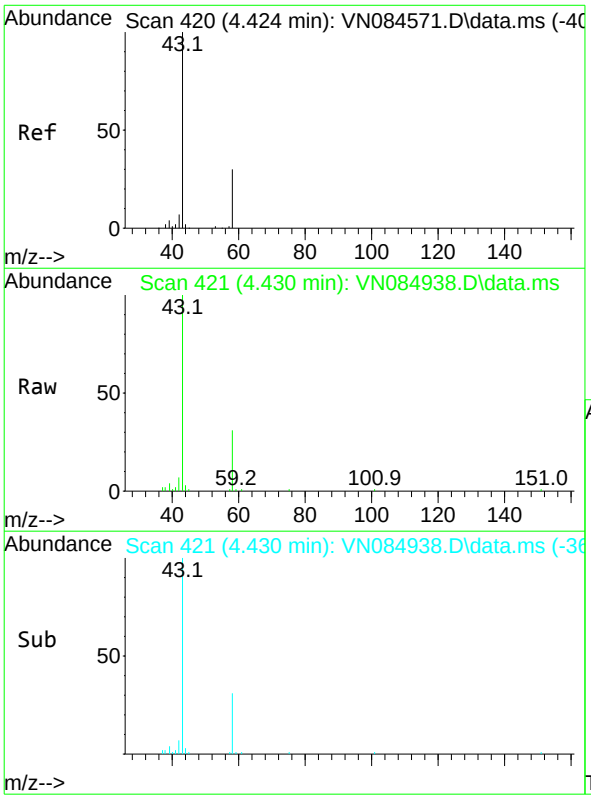
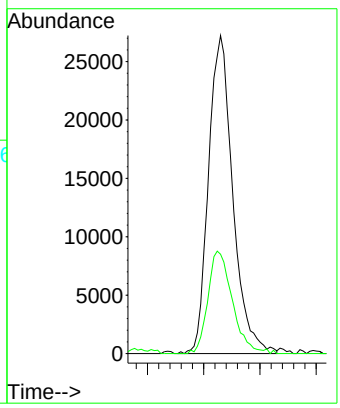
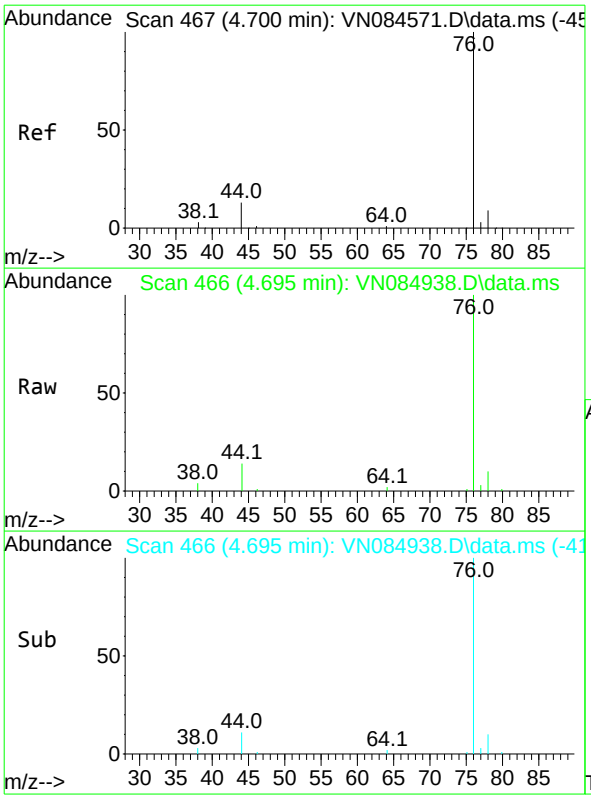


#16
Acetone
Concen: 115.450 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 43 Resp: 81687

Ion	Ratio	Lower	Upper
43	100		
58	31.2	24.4	36.6

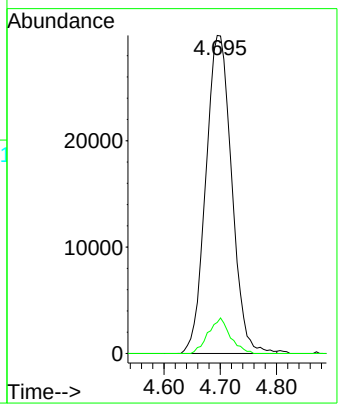




#17
Carbon Disulfide
Concen: 16.267 ug/l
RT: 4.695 min Scan# 46
Delta R.T. -0.017 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 76 Resp: 95480

Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.3	10.9



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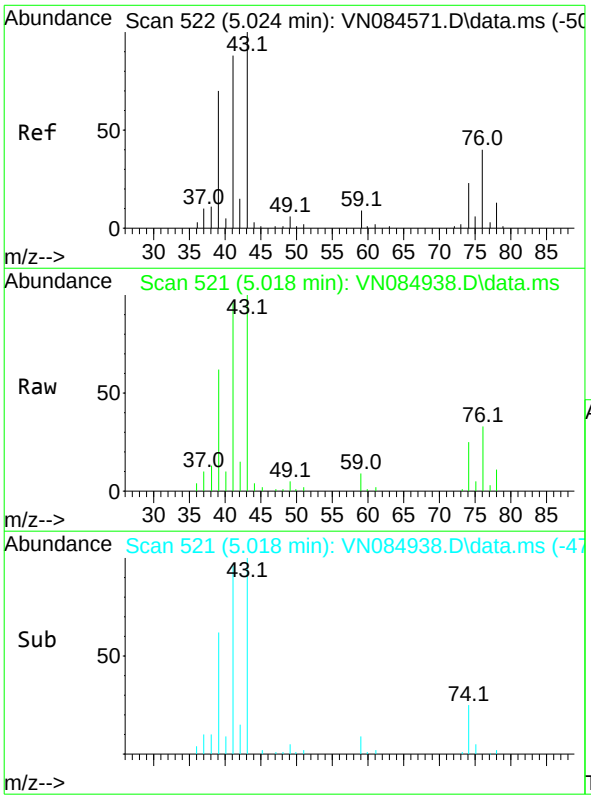
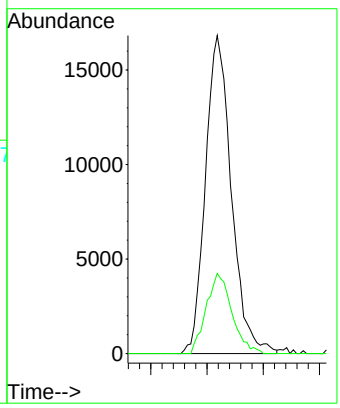
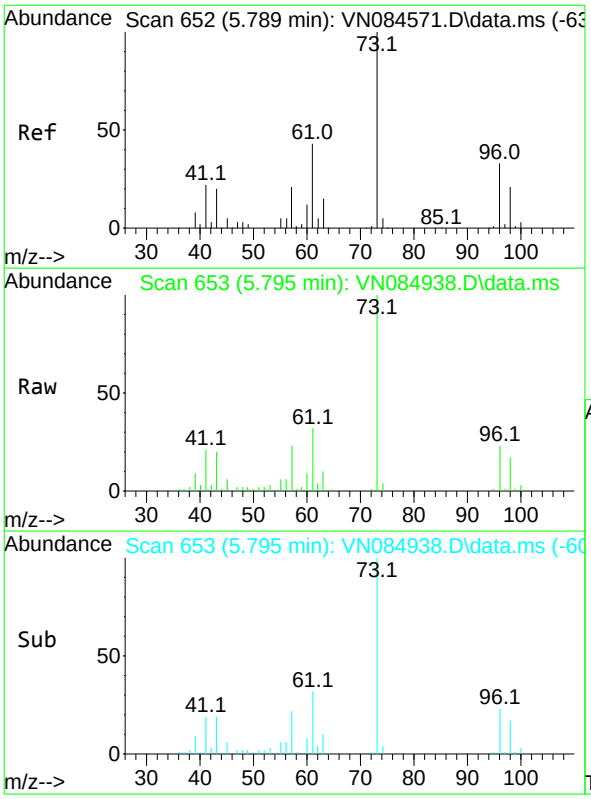


#18
Methyl Acetate
Concen: 18.624 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 43 Resp: 53894

Ion	Ratio	Lower	Upper
43	100		
74	24.9	19.2	28.8

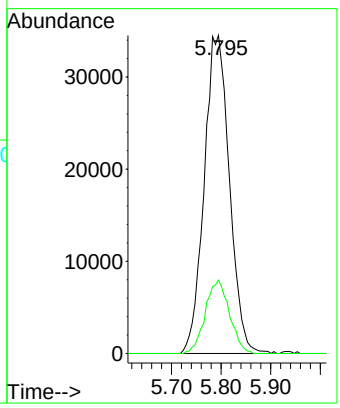




#19
Methyl tert-butyl Ether
Concen: 20.897 ug/l
RT: 5.795 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 73 Resp: 122075

Ion	Ratio	Lower	Upper
73	100		
57	23.1	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

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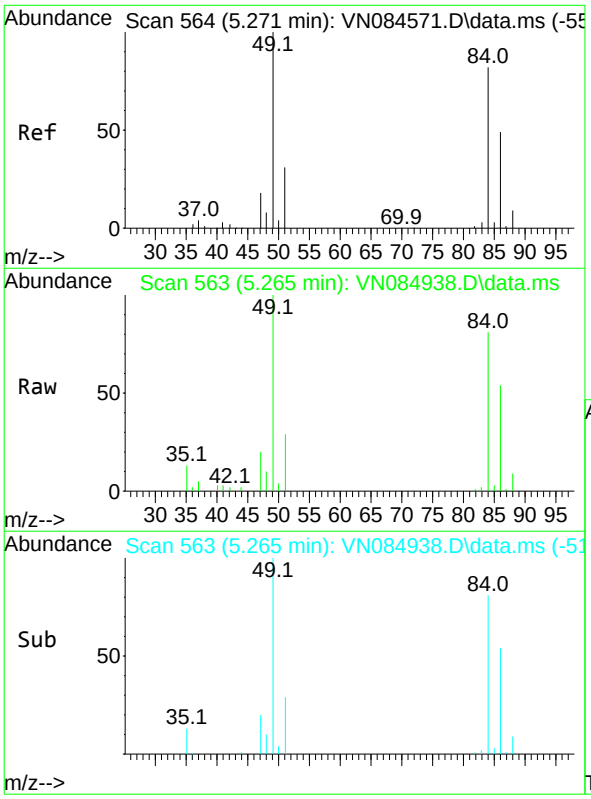
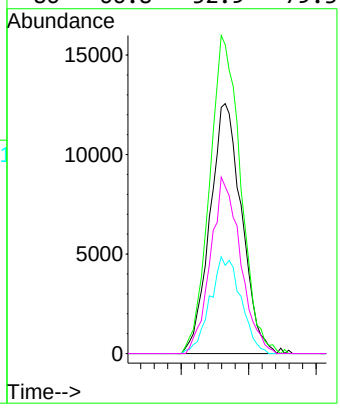
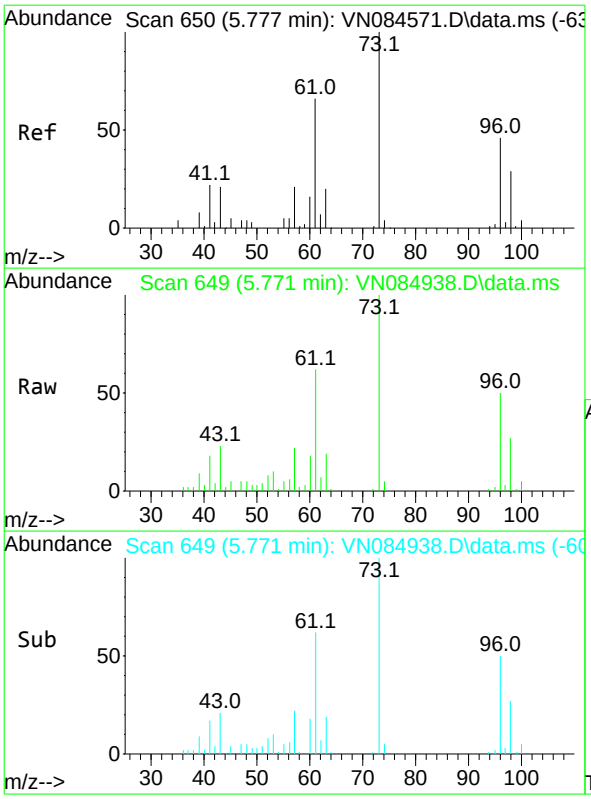


#20
Methylene Chloride
Concen: 19.279 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 84 Resp: 40989

Ion	Ratio	Lower	Upper
84	100		
49	123.6	107.2	160.8
51	35.3	31.8	47.8
86	66.8	52.9	79.3

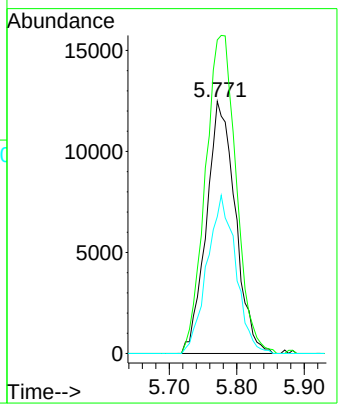




#21
trans-1,2-Dichloroethene
Concen: 18.965 ug/l
RT: 5.771 min Scan# 64
Delta R.T. -0.018 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 96 Resp: 37116

Ion	Ratio	Lower	Upper
96	100		
61	124.4	108.4	162.6
98	54.3	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
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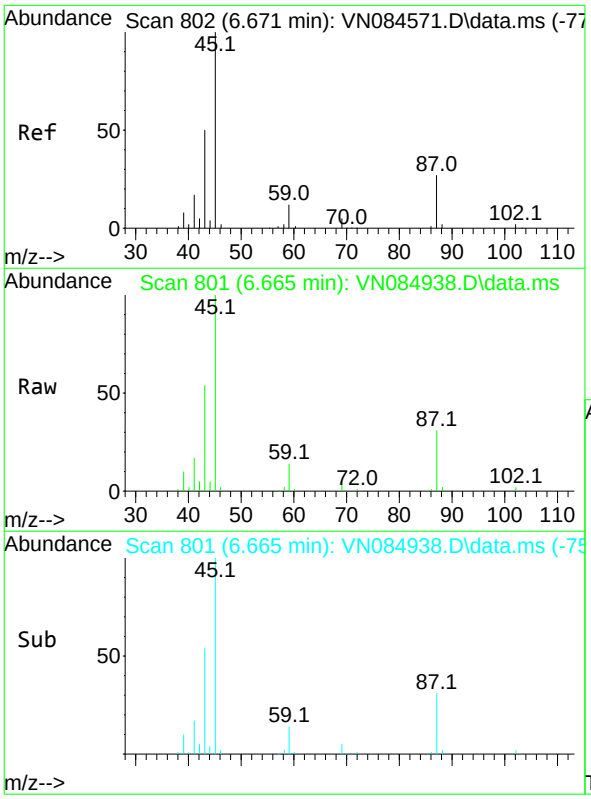
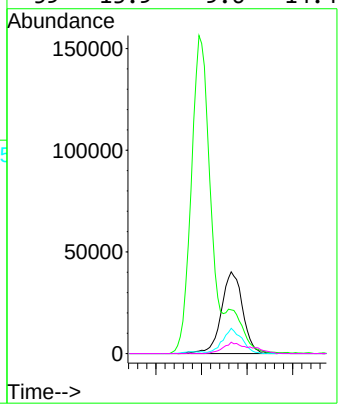
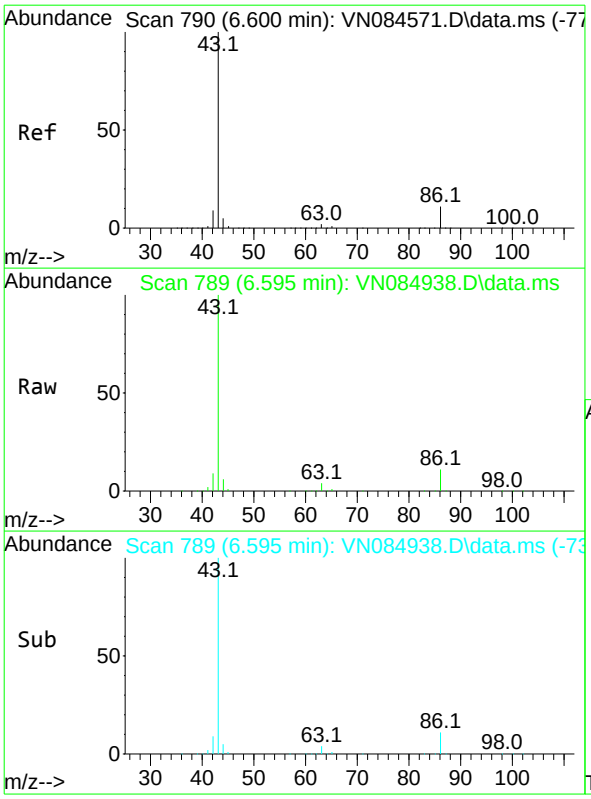


#22
Diisopropyl ether
Concen: 21.290 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 45 Resp: 130755

Ion	Ratio	Lower	Upper
45	100		
43	52.2	42.3	63.5
87	30.9	21.8	32.6
59	13.9	9.6	14.4

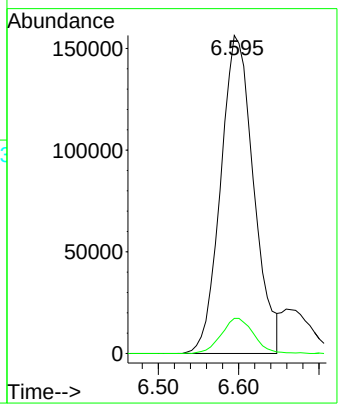




#23
Vinyl Acetate
Concen: 105.593 ug/l
RT: 6.595 min Scan# 78
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 43 Resp: 447227

Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
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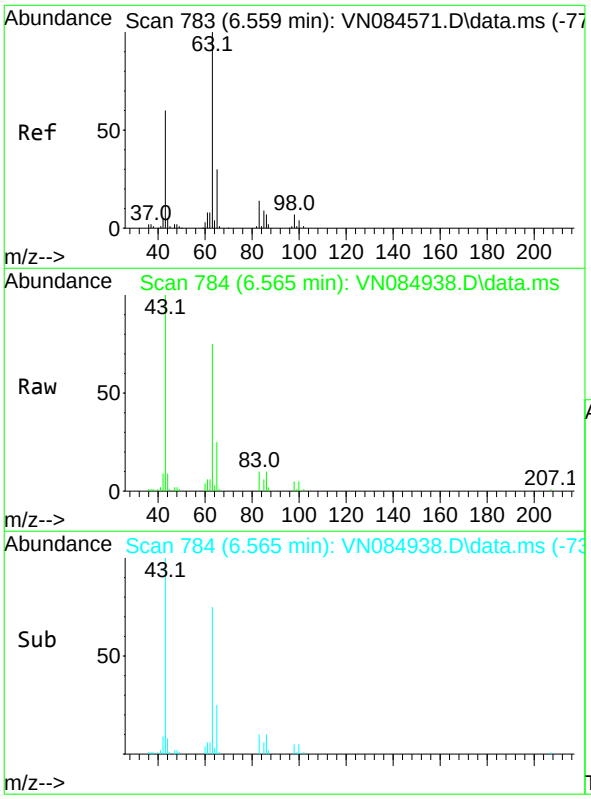
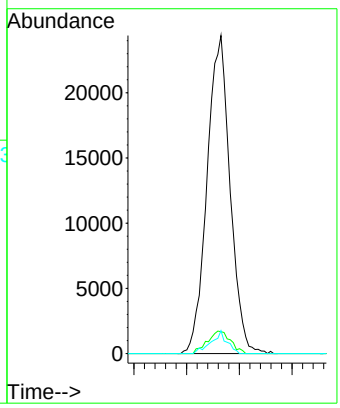
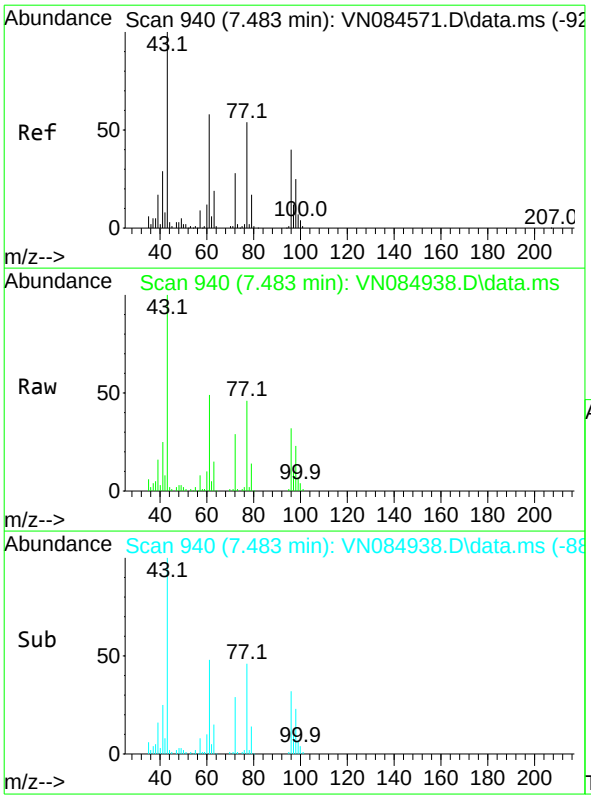


#24
1,1-Dichloroethane
Concen: 20.100 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 63 Resp: 74117

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.4	10.2
100	7.2	2.0	5.8#

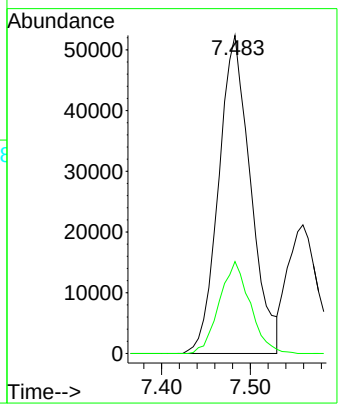




#25
2-Butanone
Concen: 116.439 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 43 Resp: 131314

Ion	Ratio	Lower	Upper
43	100		
72	28.9	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

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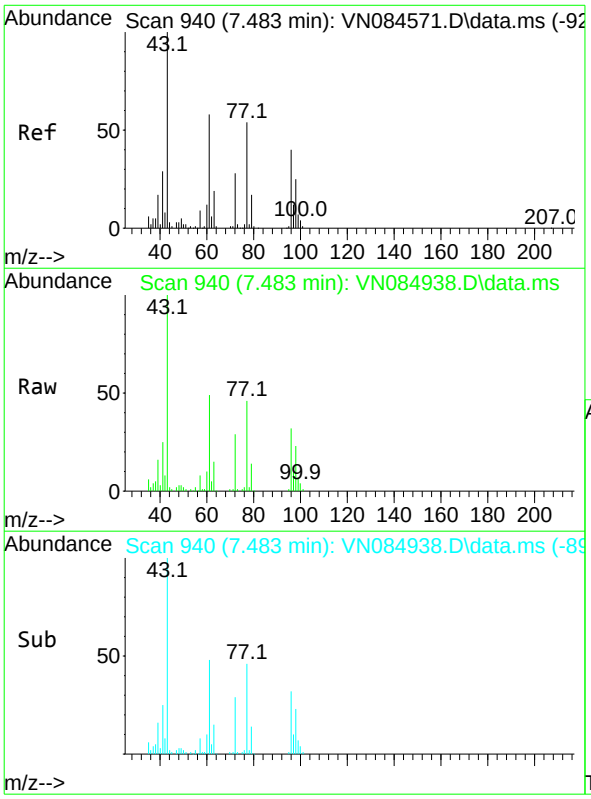
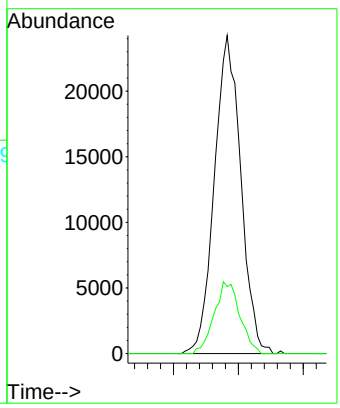
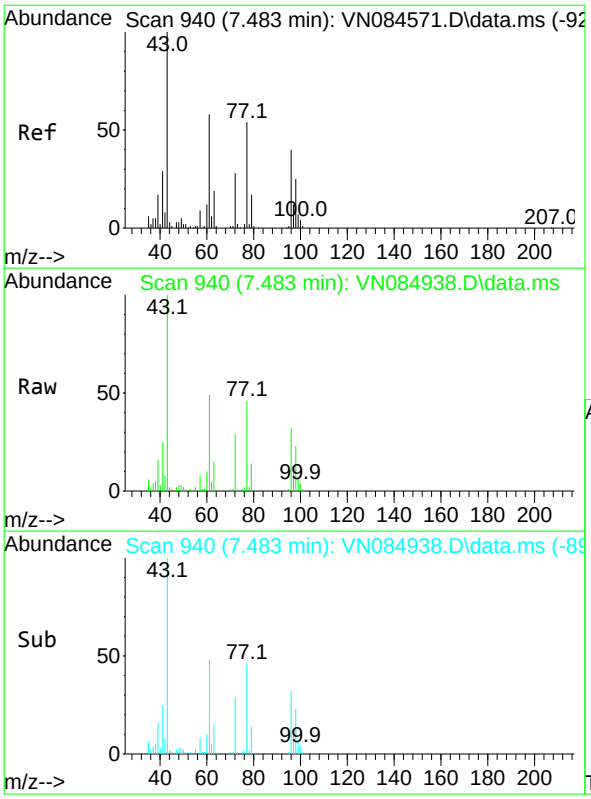


#26
2,2-Dichloropropane
Concen: 21.326 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 77 Resp: 68443

Ion	Ratio	Lower	Upper
77	100		
97	21.9	10.8	32.3

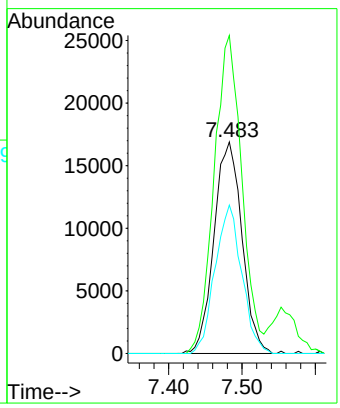




#27
cis-1,2-Dichloroethene
Concen: 19.574 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 96 Resp: 44729

Ion	Ratio	Lower	Upper
96	100		
61	149.5	0.0	301.8
98	67.1	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

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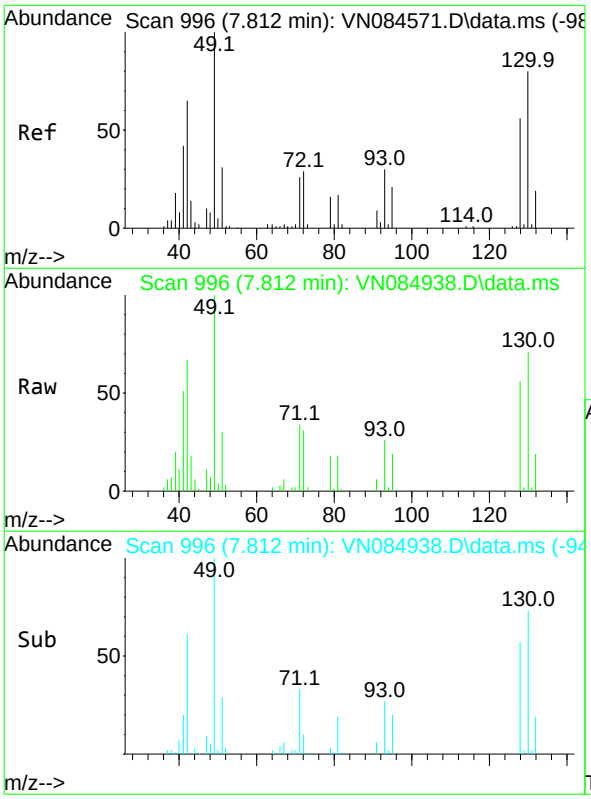
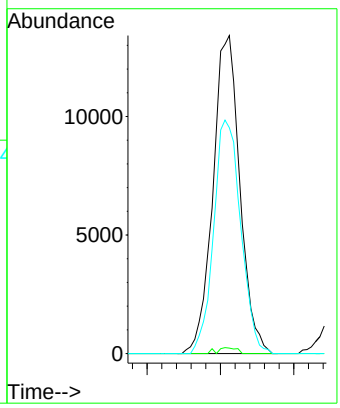
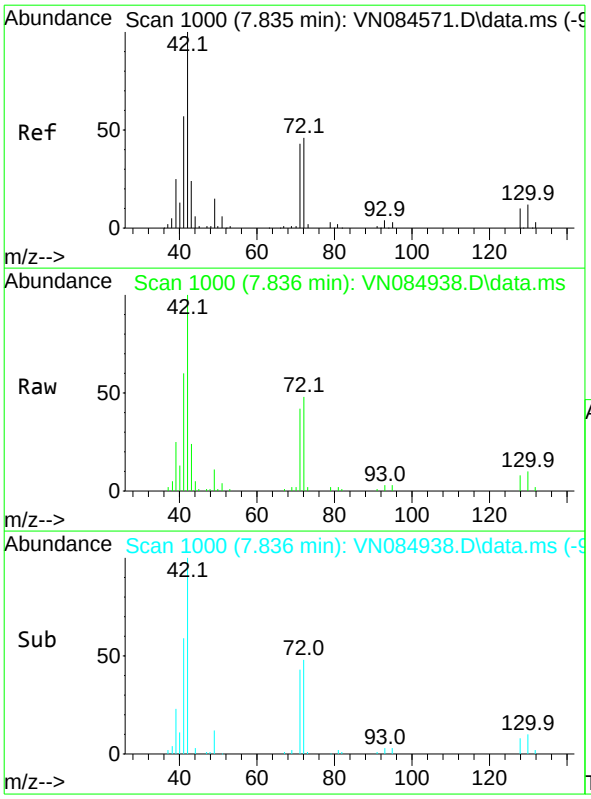


#28
Bromochloromethane
Concen: 23.308 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 49 Resp: 34242

Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.6
130	73.7	58.0	87.0

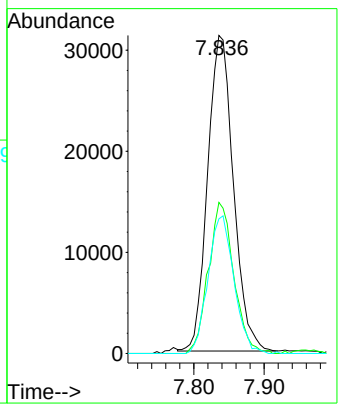




#29
Tetrahydrofuran
Concen: 106.257 ug/l
RT: 7.836 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 42 Resp: 79498

Ion	Ratio	Lower	Upper
42	100		
72	47.3	34.6	51.8
71	43.8	32.2	48.4



Instrument :
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ClientSampleId :
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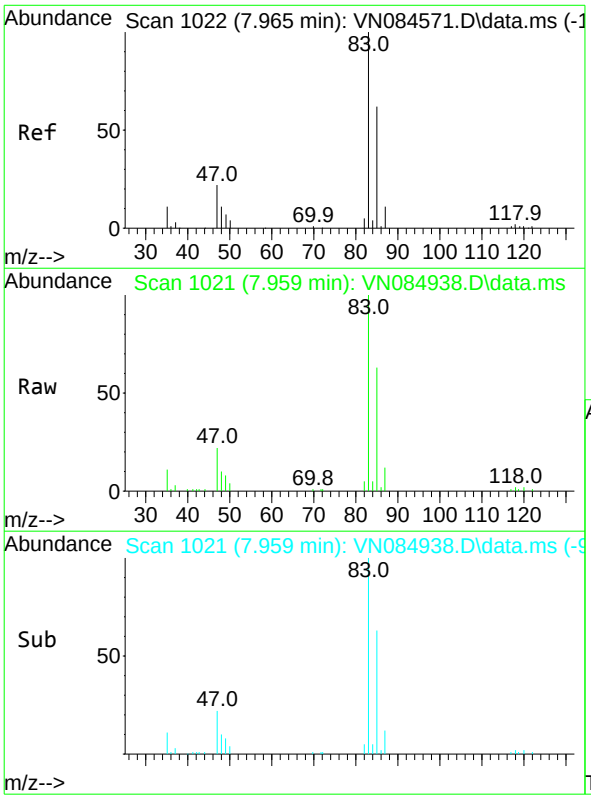
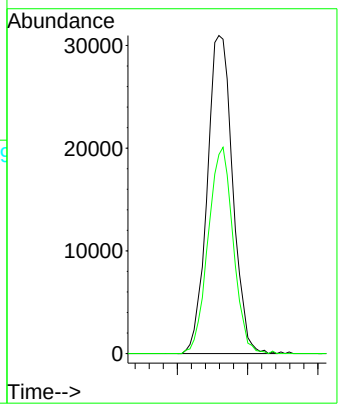
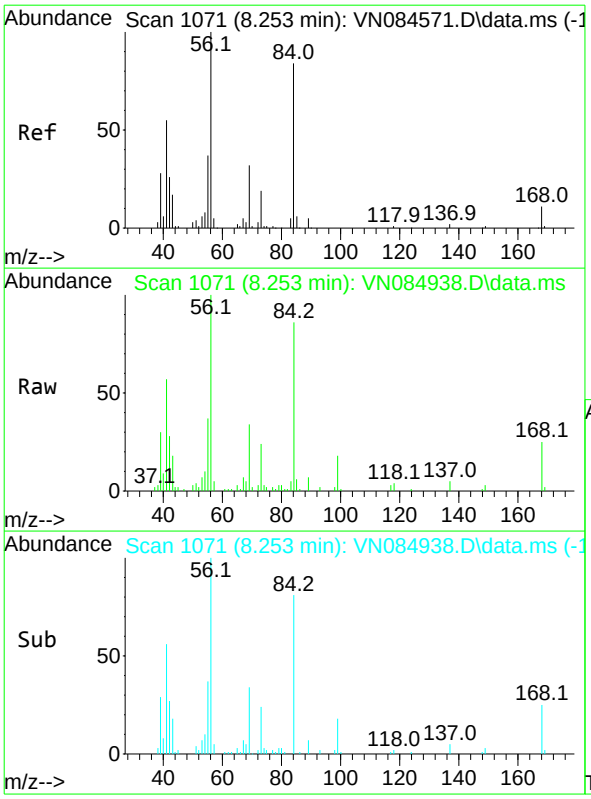


#30
Chloroform
Concen: 20.747 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 83 Resp: 77863

Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.0	76.4

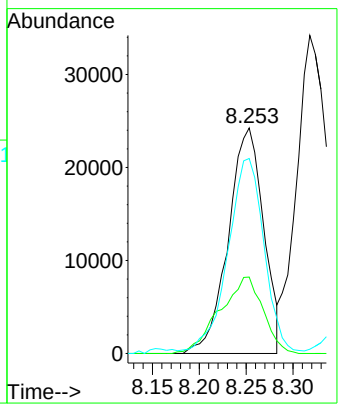




#31
Cyclohexane
Concen: 19.052 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 56 Resp: 63583

Ion	Ratio	Lower	Upper
56	100		
69	33.1	23.8	35.6
84	85.2	68.8	103.2



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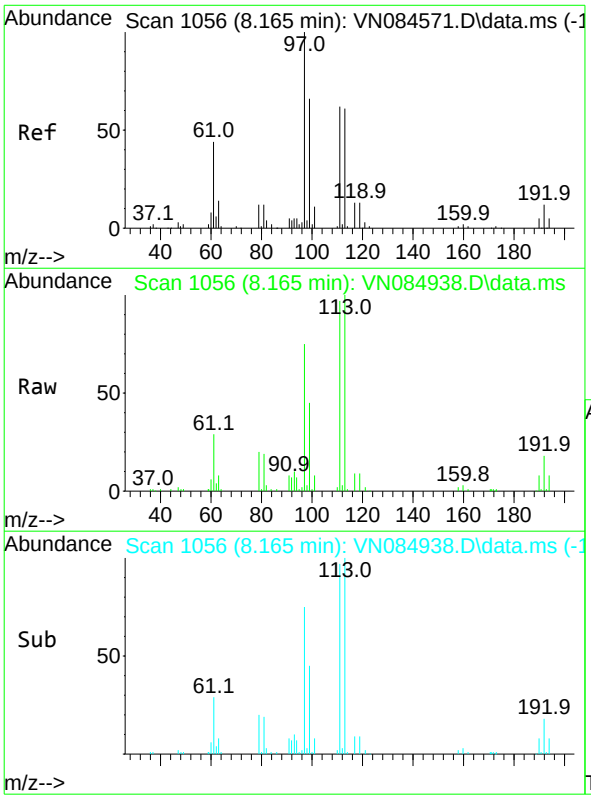
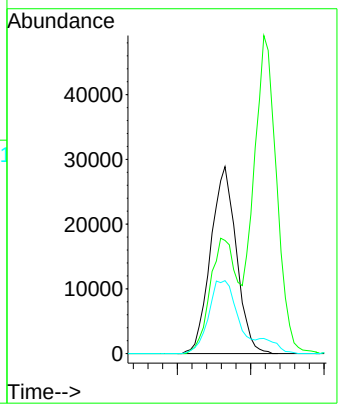
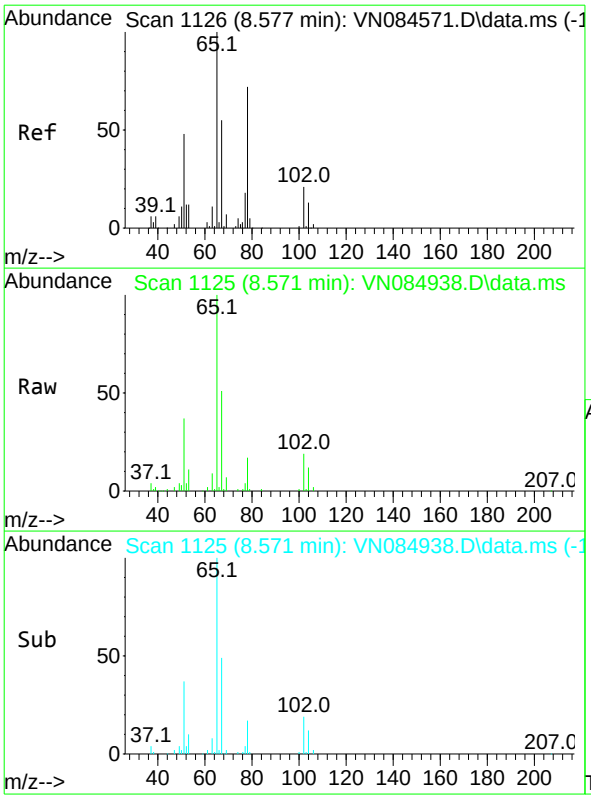


#32
1,1,1-Trichloroethane
Concen: 20.592 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 97 Resp: 70342

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.2	76.8
61	44.2	37.5	56.3

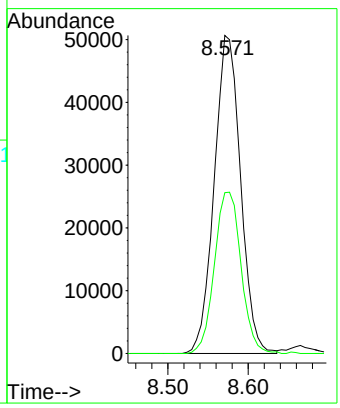




#33
1,2-Dichloroethane-d4
Concen: 47.770 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 65 Resp: 115474

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	102.0



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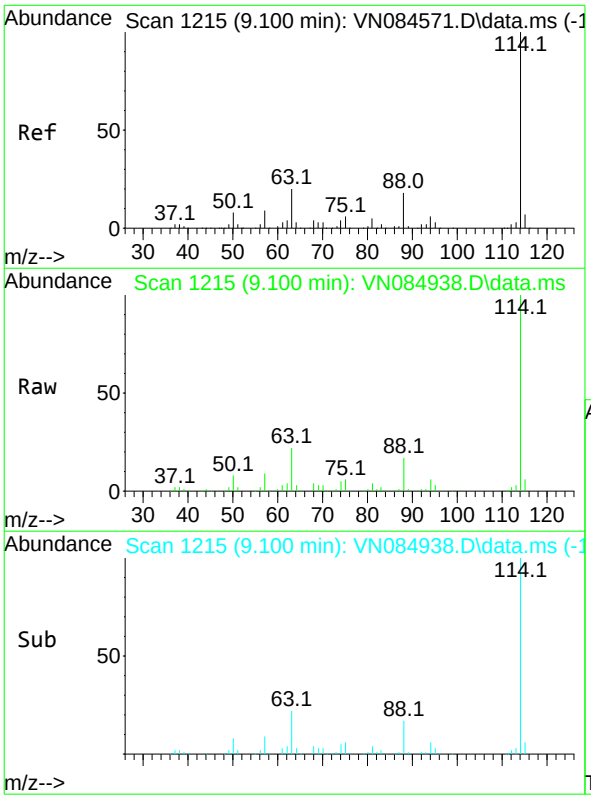
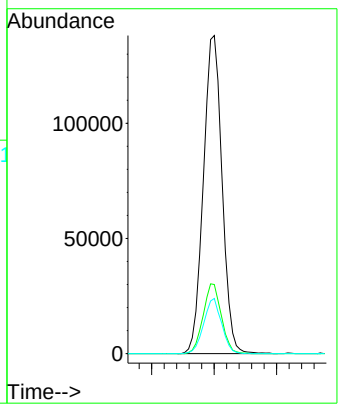
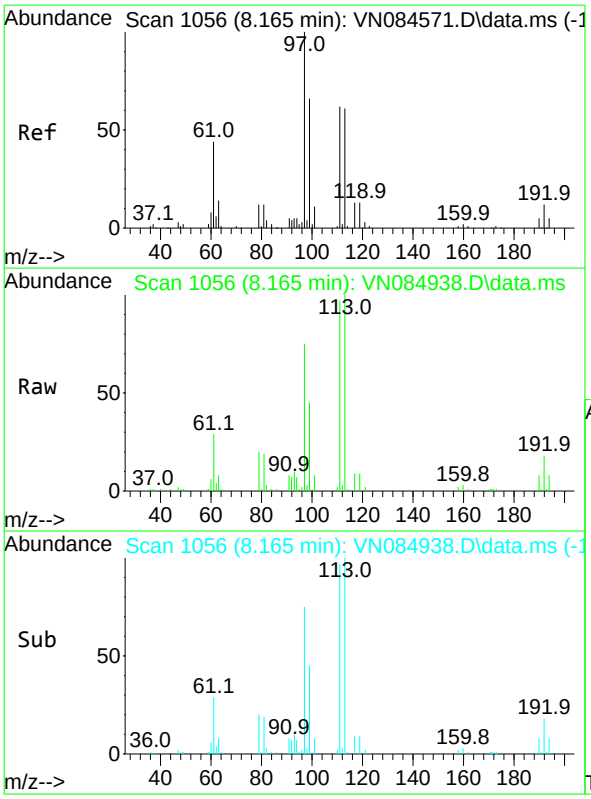


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:114 Resp: 286809

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.8
88	17.3	0.0	31.6

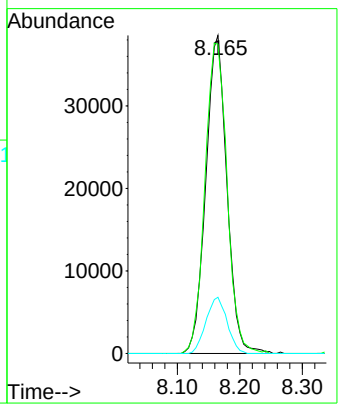




#35
Dibromofluoromethane
Concen: 46.484 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:113 Resp: 90242

Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.3	124.9
192	17.7	13.5	20.3



Instrument :
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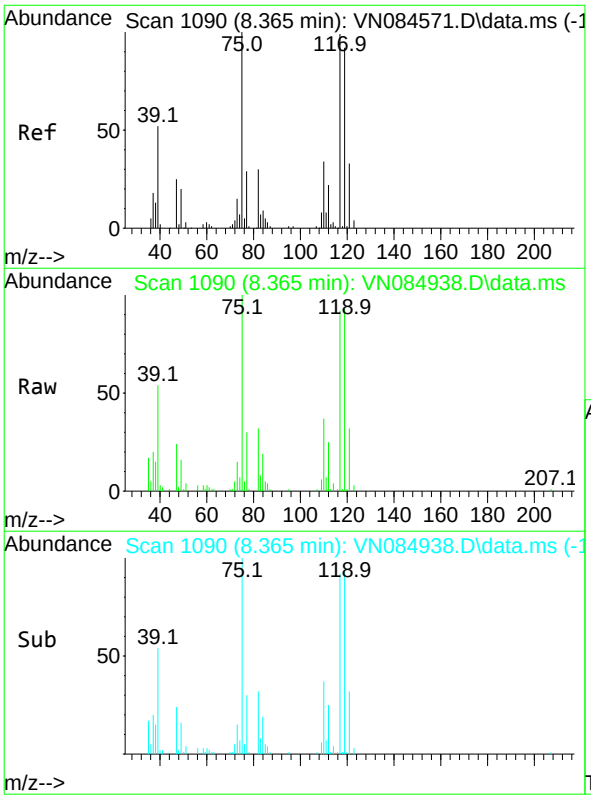
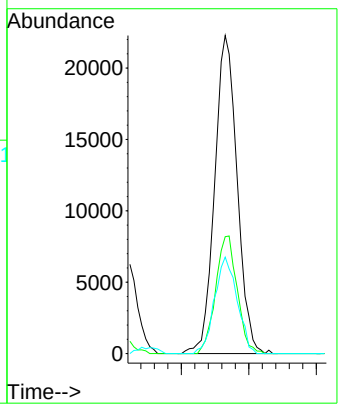
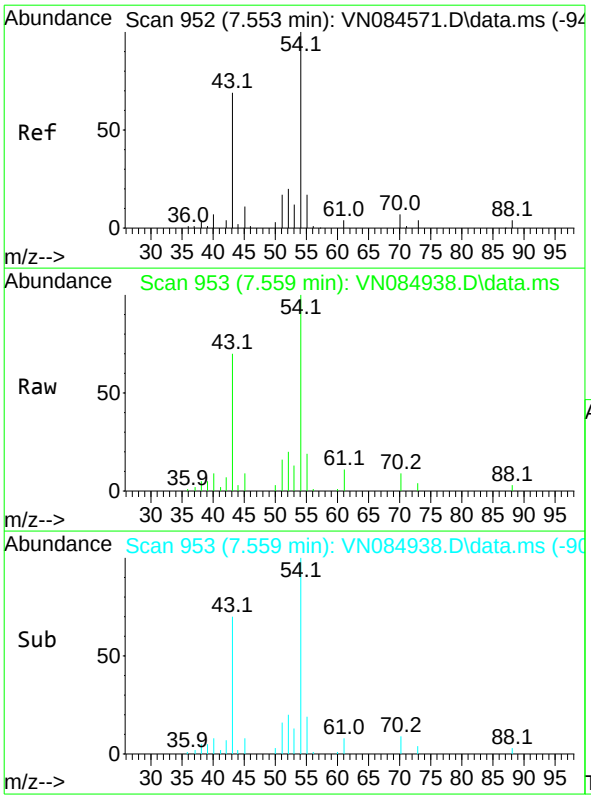


#36
1,1-Dichloropropene
Concen: 19.146 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 75 Resp: 51548

Ion	Ratio	Lower	Upper
75	100		
110	35.5	16.9	50.7
77	30.4	24.7	37.1

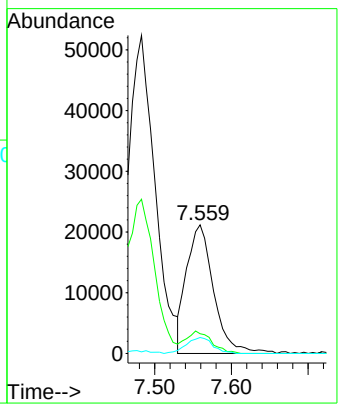




#37
Ethyl Acetate
Concen: 21.260 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 43 Resp: 51933

Ion	Ratio	Lower	Upper
43	100		
61	16.5	10.7	16.1#
70	12.1	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
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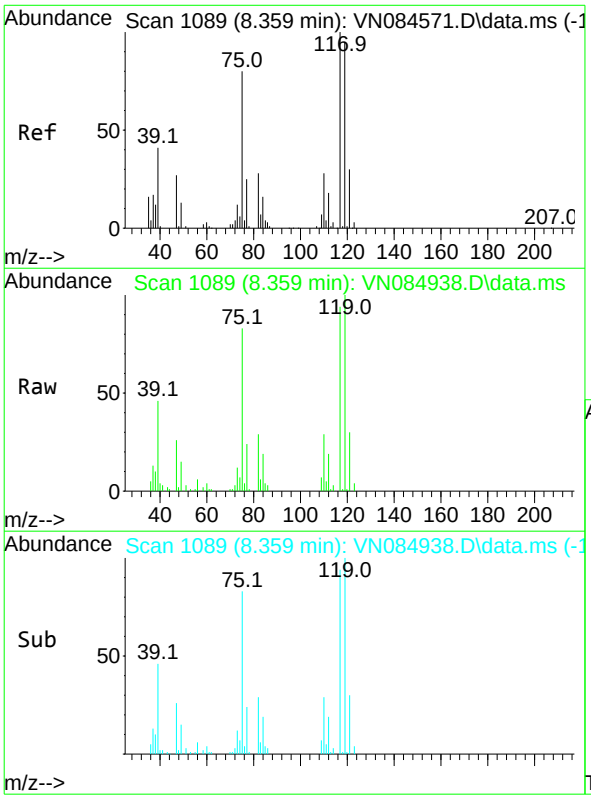
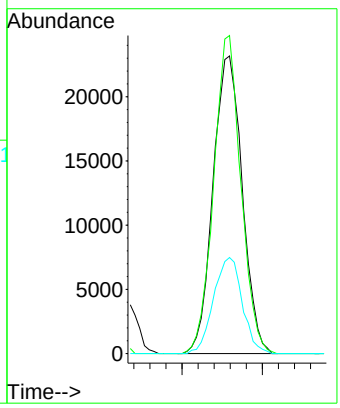
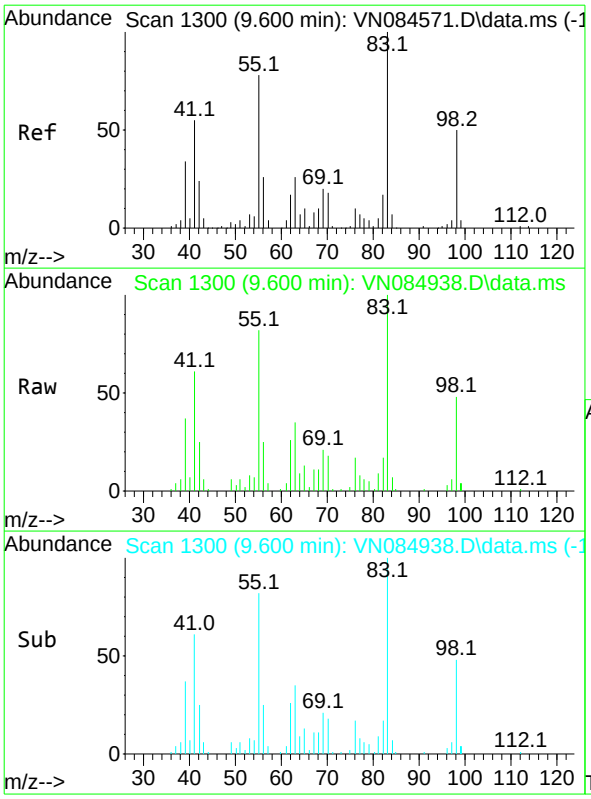


#38
Carbon Tetrachloride
Concen: 19.457 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:117 Resp: 58554

Ion	Ratio	Lower	Upper
117	100		
119	106.9	78.7	118.1
121	32.3	24.4	36.6

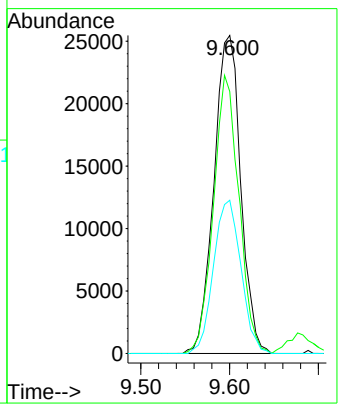




#39
Methylcyclohexane
Concen: 19.526 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 83 Resp: 53483

Ion	Ratio	Lower	Upper
83	100		
55	82.3	62.8	94.2
98	48.2	38.8	58.2



Instrument :
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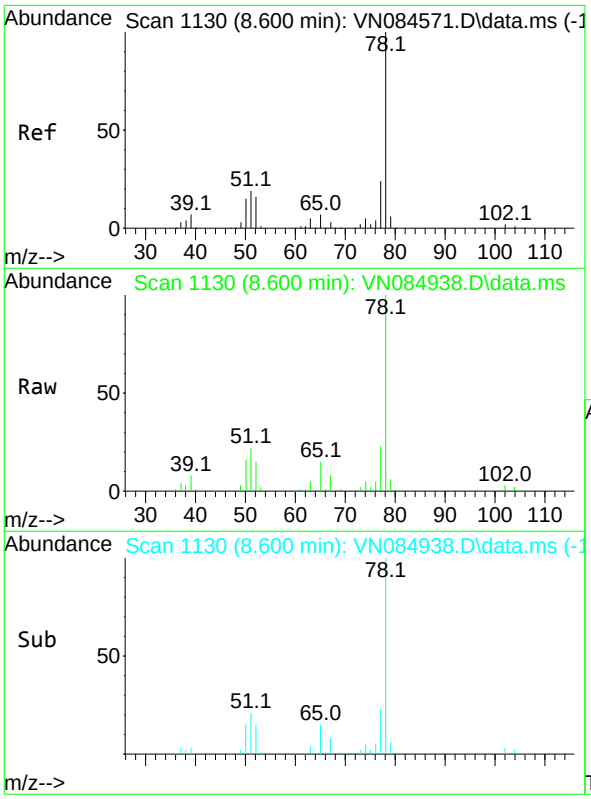
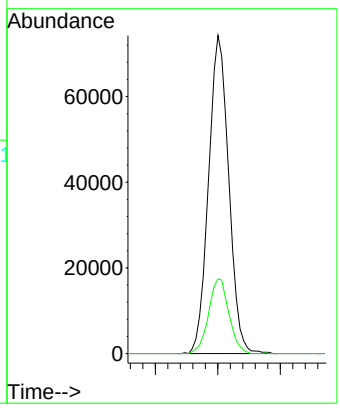
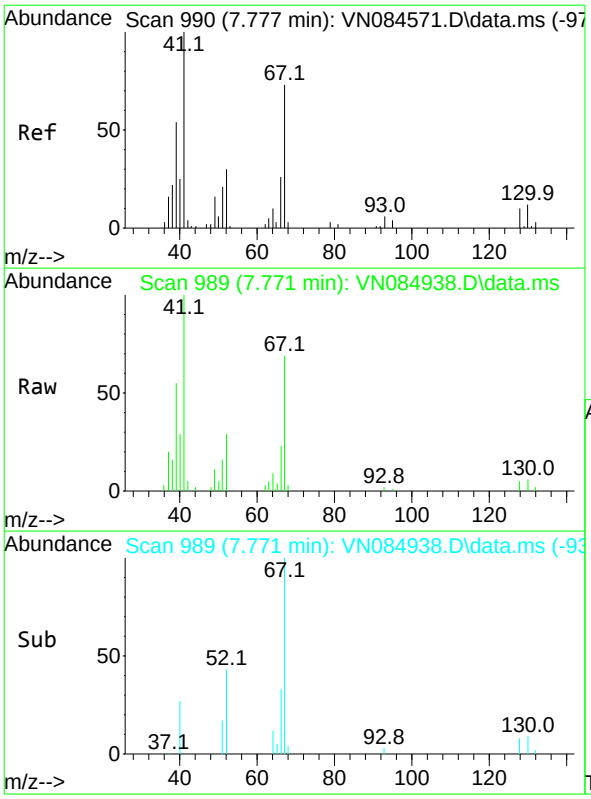


#40
Benzene
Concen: 19.284 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 78 Resp: 166743

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7

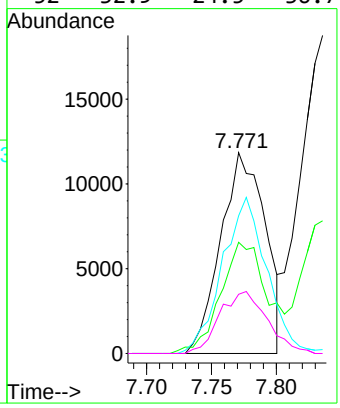




#41
Methacrylonitrile
Concen: 21.561 ug/l
RT: 7.771 min Scan# 98
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 41 Resp: 28323

Ion	Ratio	Lower	Upper
41	100		
39	57.9	43.3	64.9
67	77.8	56.1	84.1
52	32.9	24.5	36.7



Instrument :
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ClientSampleId :
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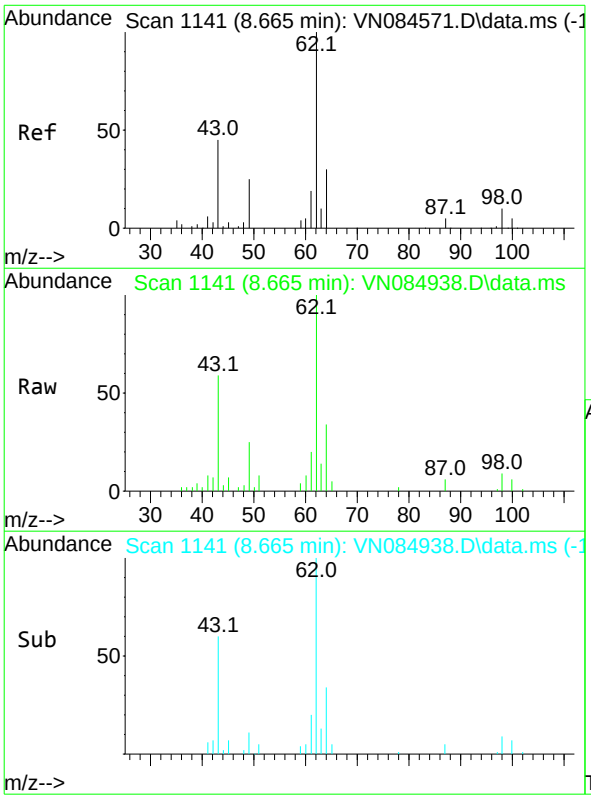
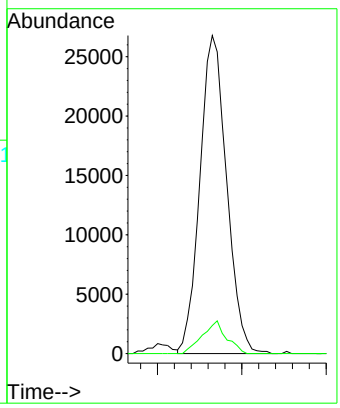
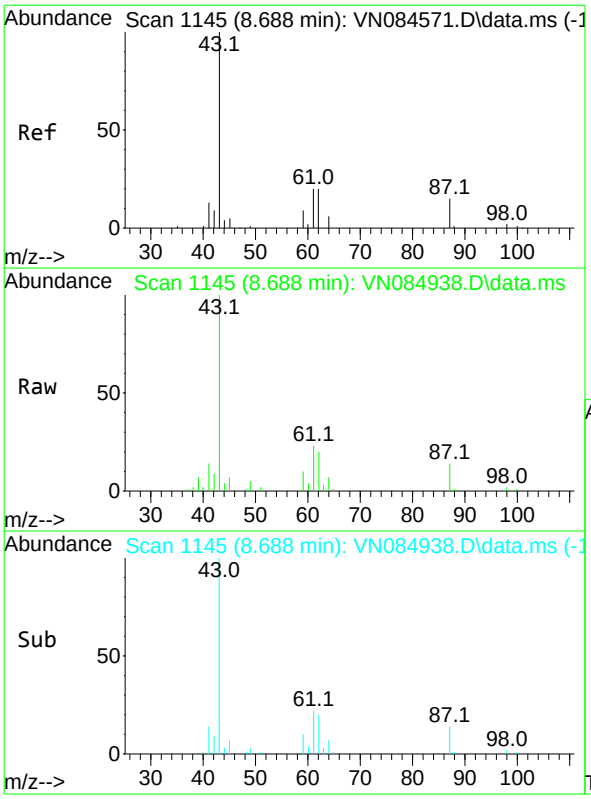


#42
1,2-Dichloroethane
Concen: 21.093 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 62 Resp: 59066

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2

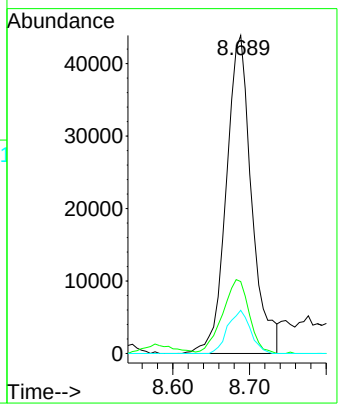




#43
Isopropyl Acetate
Concen: 21.807 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 43 Resp: 100867

Ion	Ratio	Lower	Upper
43	100		
61	24.5	20.4	30.6
87	12.2	10.3	15.5



Instrument :
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ClientSampleId :
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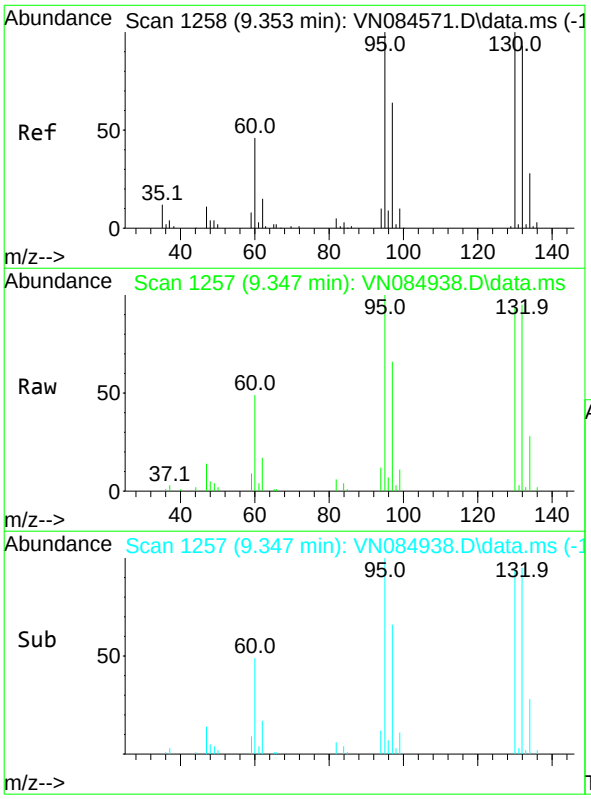
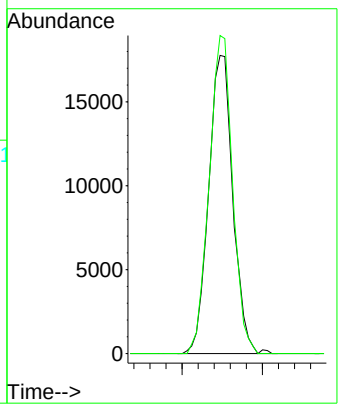
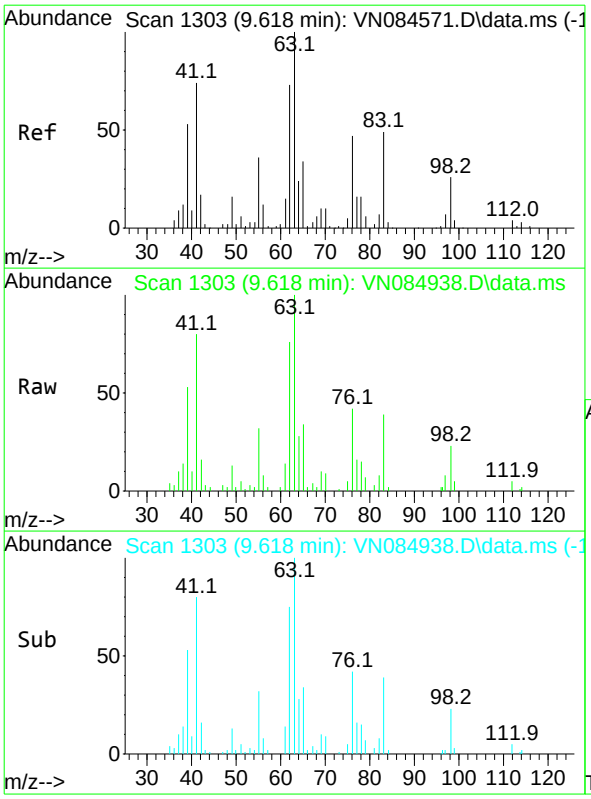


#44
Trichloroethene
Concen: 18.673 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:130 Resp: 37236

Ion	Ratio	Lower	Upper
130	100		
95	106.7	0.0	203.0

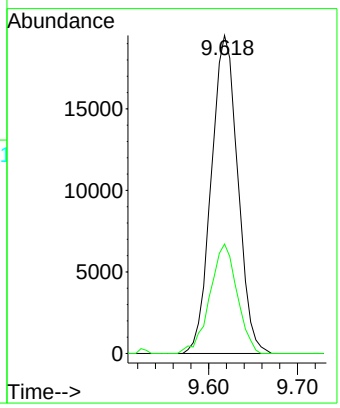




#45
1,2-Dichloropropane
Concen: 19.917 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 63 Resp: 40398

Ion	Ratio	Lower	Upper
63	100		
65	34.4	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

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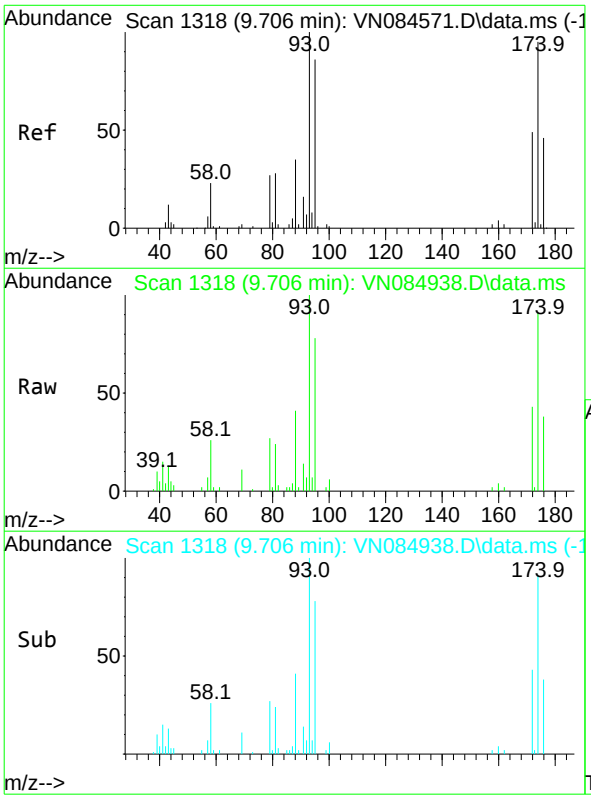
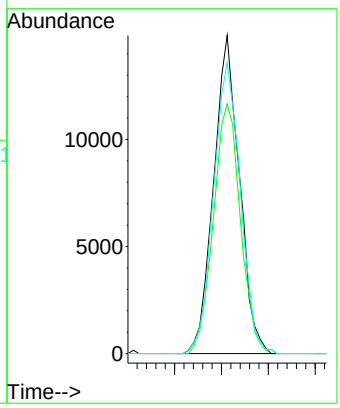
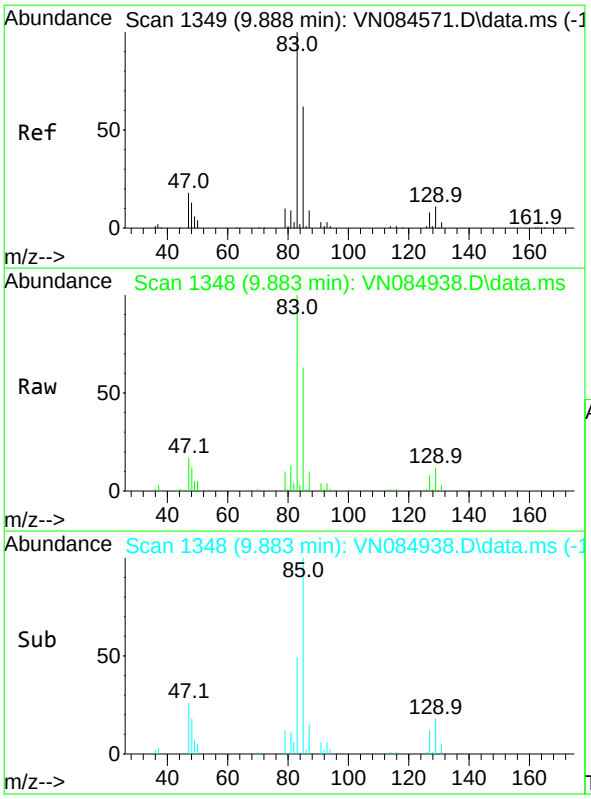


#46
Dibromomethane
Concen: 19.836 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 93 Resp: 28390

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.0	97.4
174	95.1	71.8	107.8

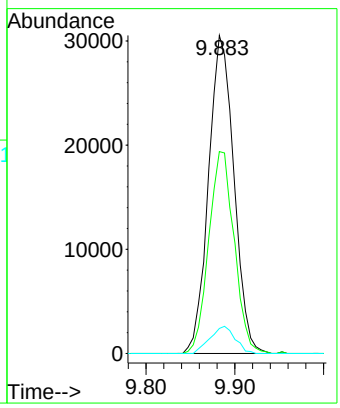




#47
Bromodichloromethane
Concen: 20.115 ug/l
RT: 9.883 min Scan# 13
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 83 Resp: 60687

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.5	77.3
127	7.9	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

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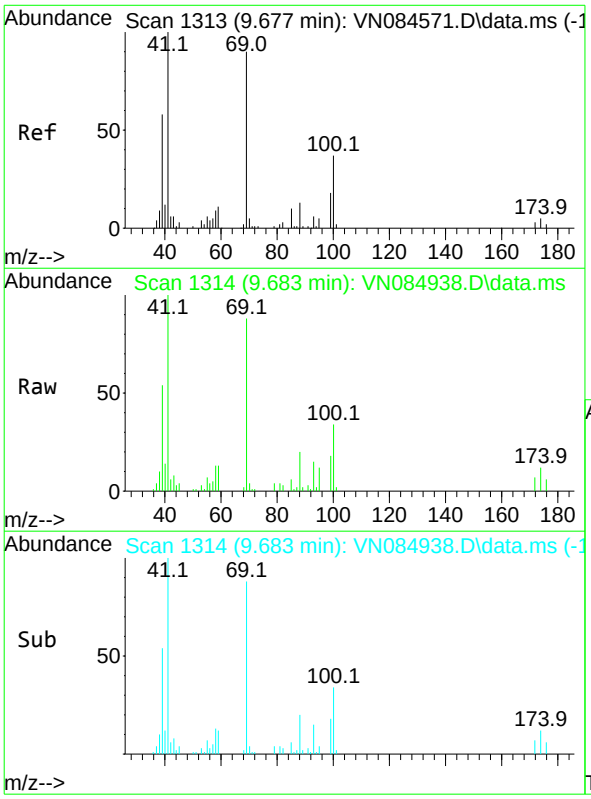
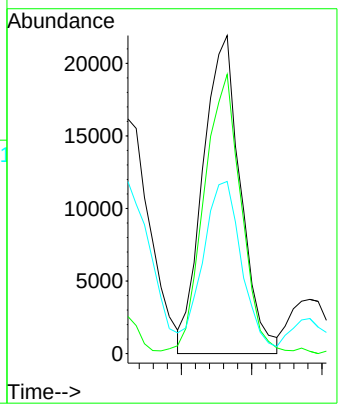
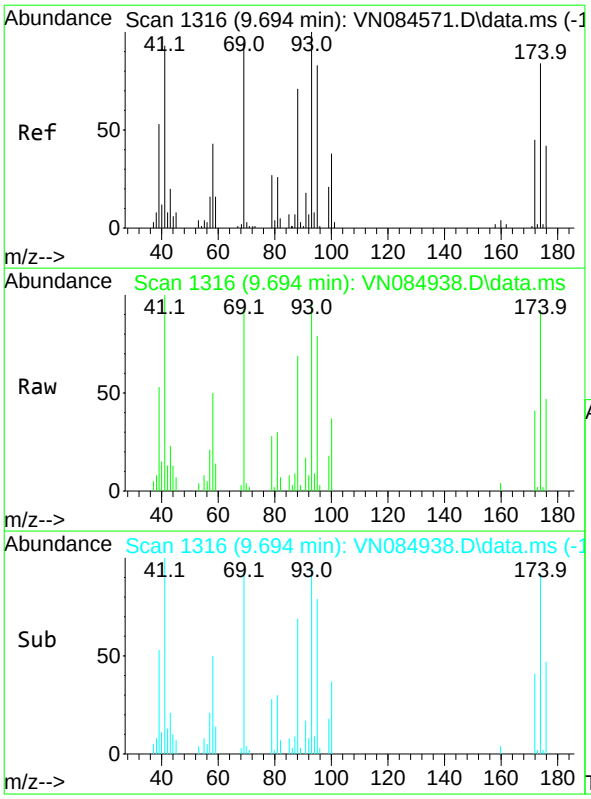


#48
Methyl methacrylate
Concen: 21.432 ug/l
RT: 9.683 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 41 Resp: 40746

Ion	Ratio	Lower	Upper
41	100		
69	87.2	67.1	100.7
39	56.6	45.8	68.6

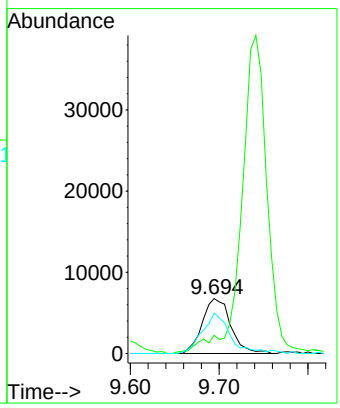




#49
1,4-Dioxane
Concen: 446.038 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 88 Resp: 15027

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	72.9	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
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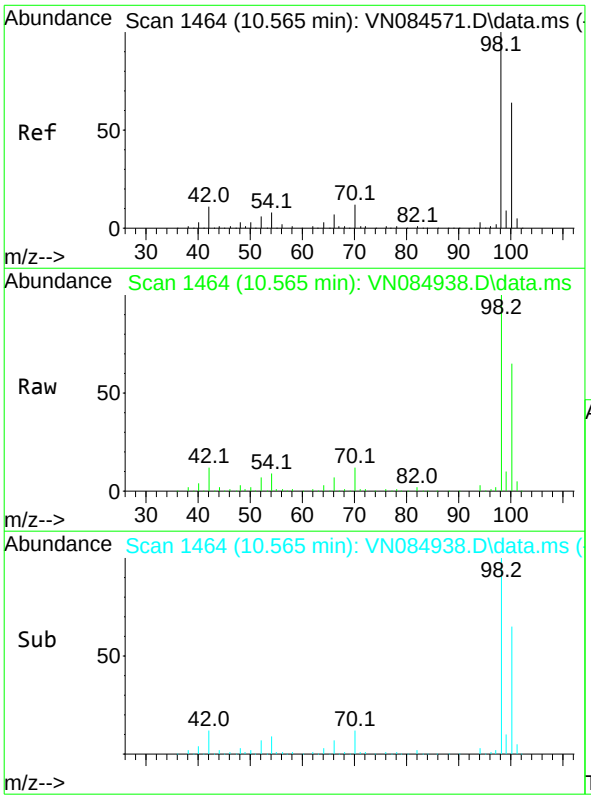
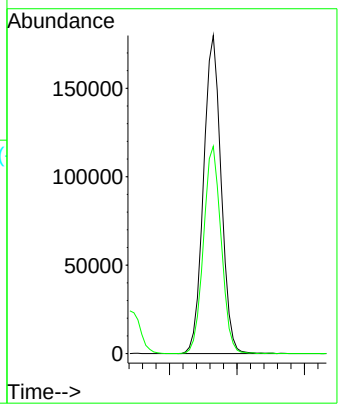
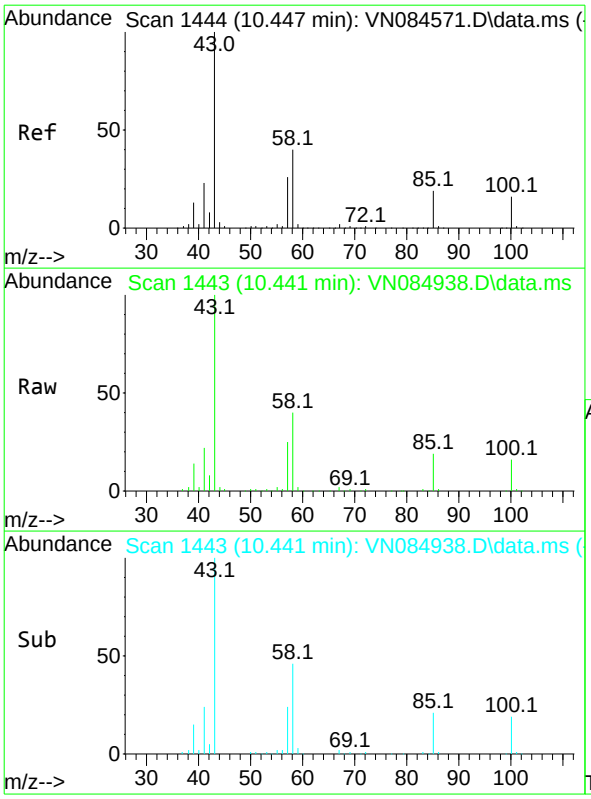


#50
Toluene-d8
Concen: 45.579 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 98 Resp: 325946

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.7	79.1

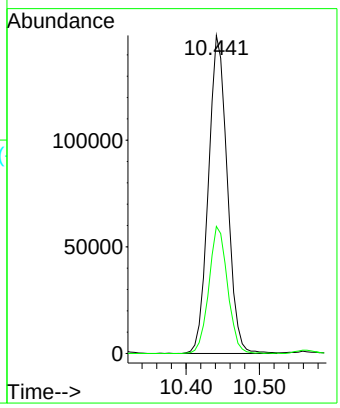




#51
4-Methyl-2-Pentanone
Concen: 114.312 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 43 Resp: 266202

Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.6	47.4



Instrument :
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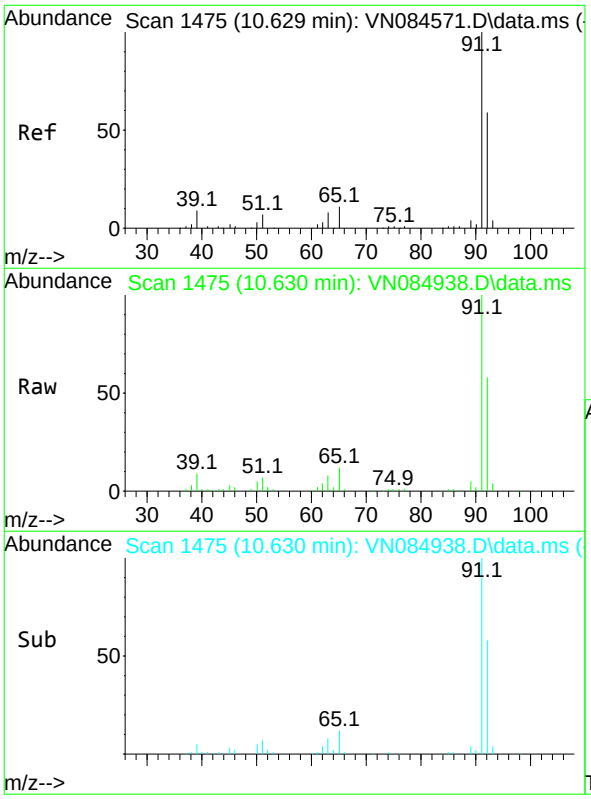
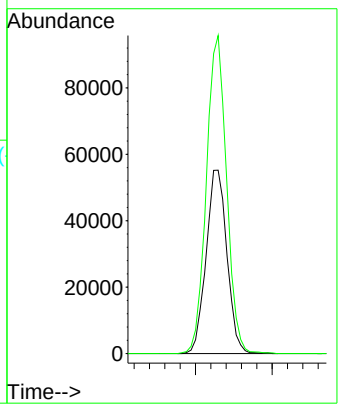
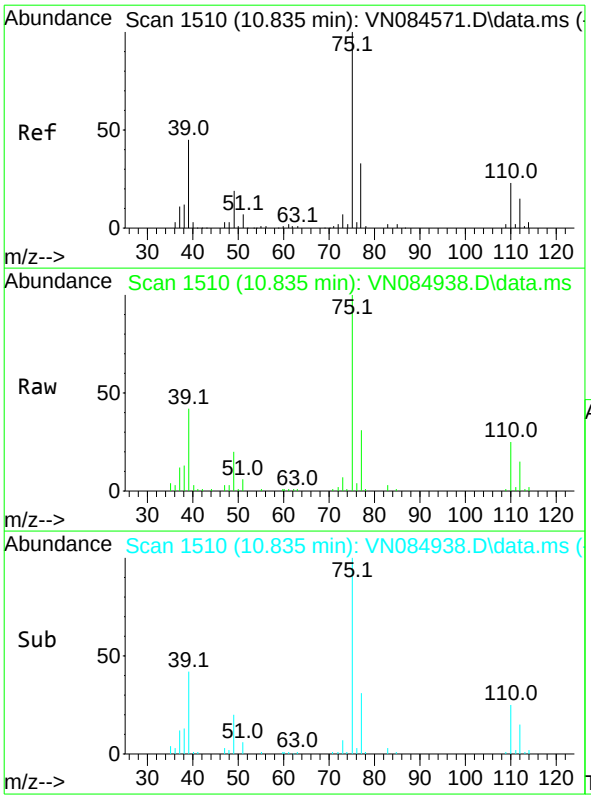


#52
Toluene
Concen: 20.606 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 92 Resp: 104204

Ion	Ratio	Lower	Upper
92	100		
91	168.1	137.3	205.9

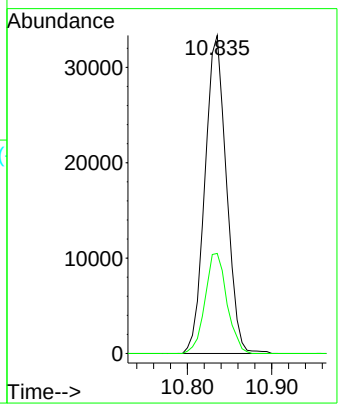




#53
t-1,3-Dichloropropene
Concen: 18.856 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 75 Resp: 58885

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

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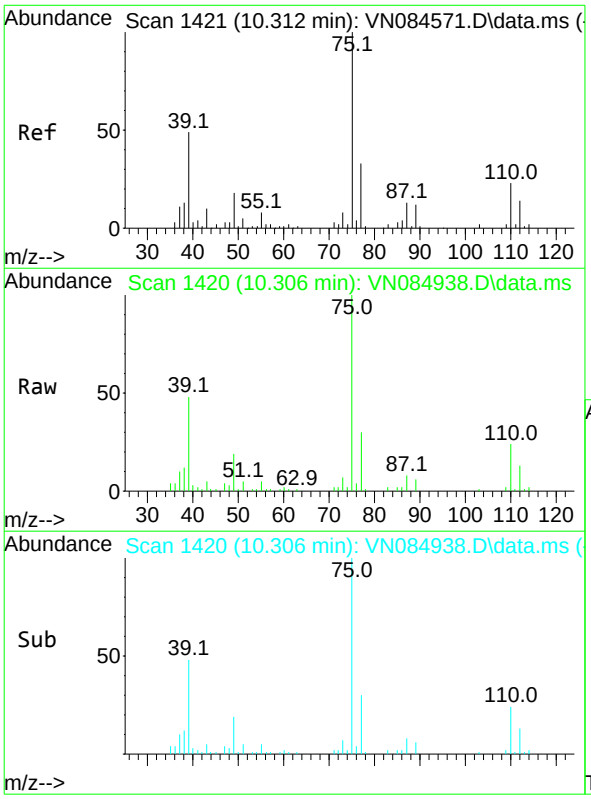
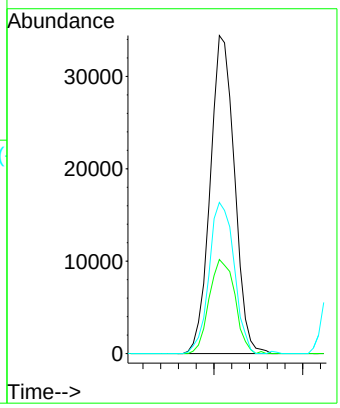
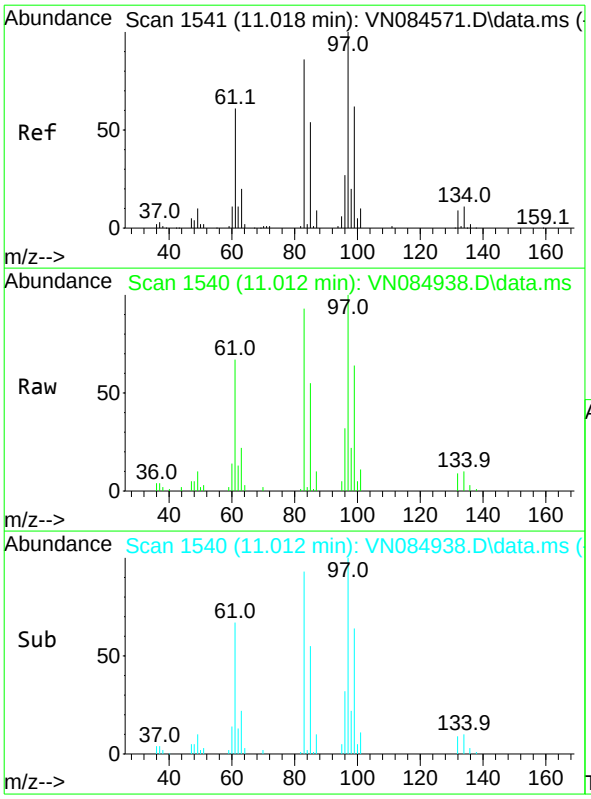


#54
cis-1,3-Dichloropropene
Concen: 19.793 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 75 Resp: 65422

Ion	Ratio	Lower	Upper
75	100		
77	29.6	24.2	36.2
39	47.5	38.7	58.1

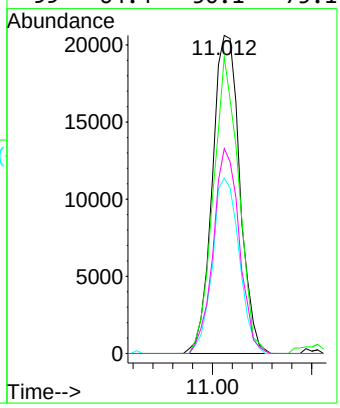




#55
1,1,2-Trichloroethane
Concen: 20.781 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 97 Resp: 39586

Ion	Ratio	Lower	Upper
97	100		
83	93.3	71.0	106.4
85	55.1	41.7	62.5
99	64.4	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

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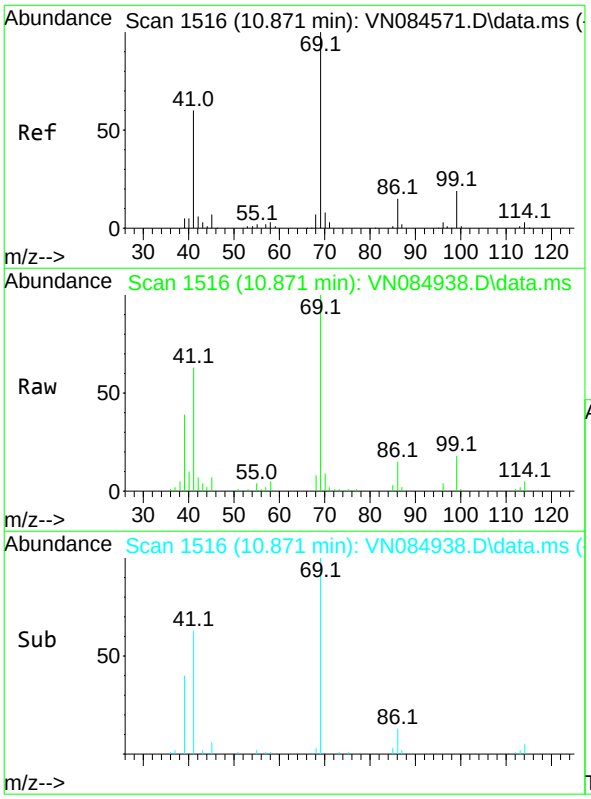
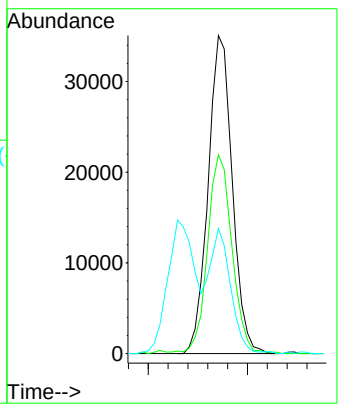
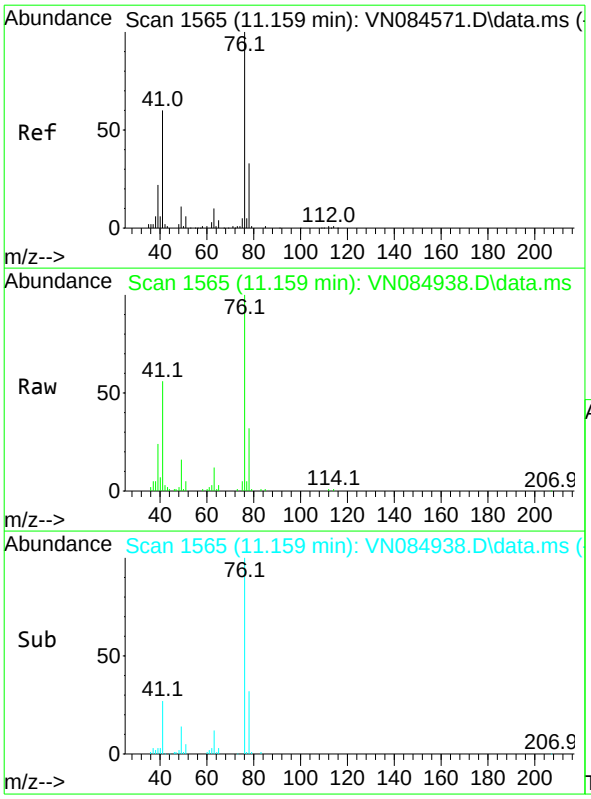


#56
Ethyl methacrylate
Concen: 21.545 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 69 Resp: 59364

Ion	Ratio	Lower	Upper
69	100		
41	63.3	53.3	79.9
39	35.6	28.8	43.2

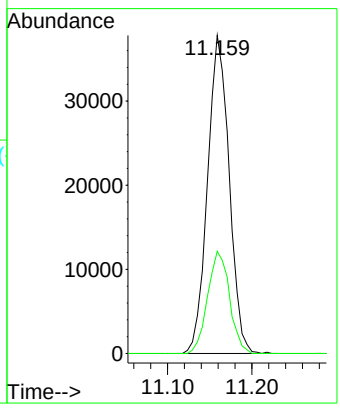




#57
1,3-Dichloropropane
Concen: 20.603 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 76 Resp: 67357

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

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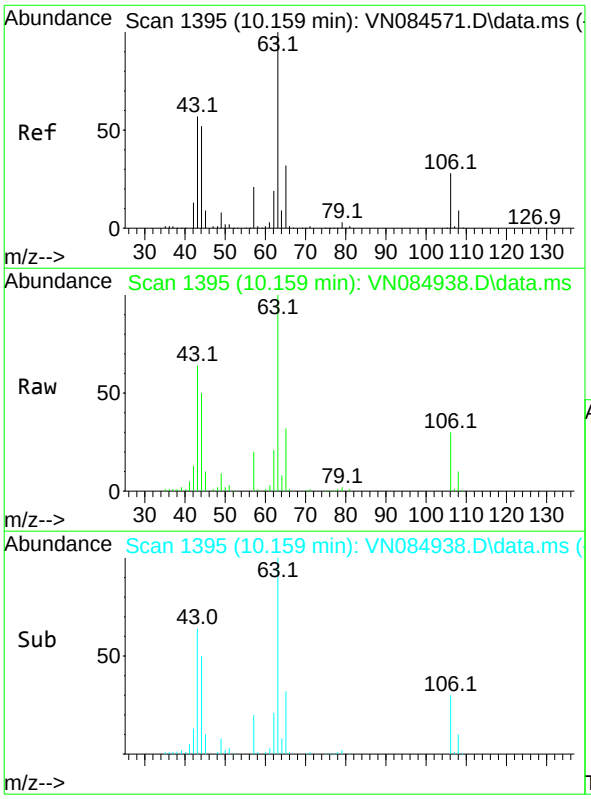
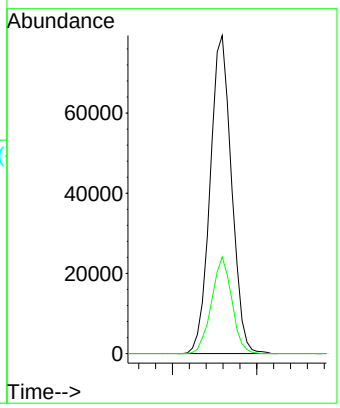
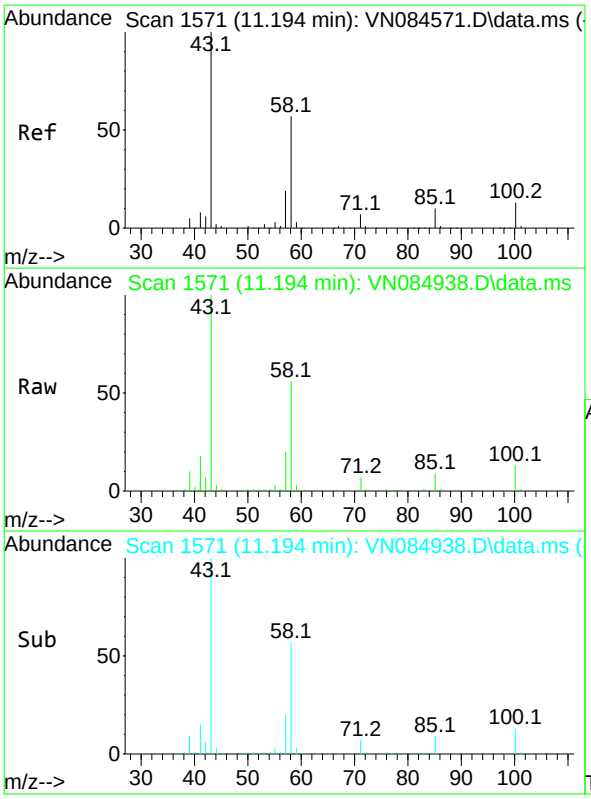


#58
2-Chloroethyl Vinyl ether
Concen: 108.511 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 63 Resp: 139905

Ion	Ratio	Lower	Upper
63	100		
106	28.7	21.8	32.6

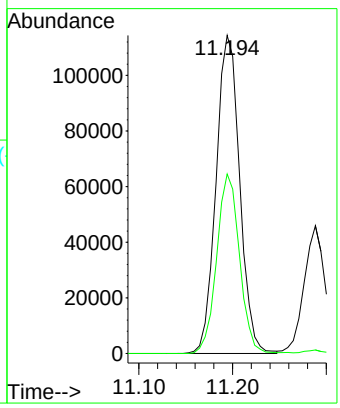




#59
2-Hexanone
Concen: 117.979 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 43 Resp: 199980

Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.3	81.8



Instrument :
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ClientSampleId :
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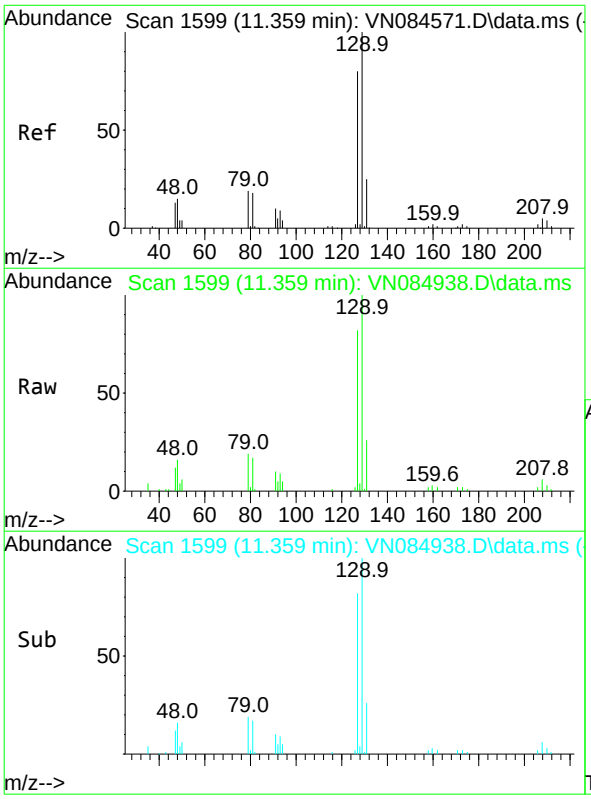
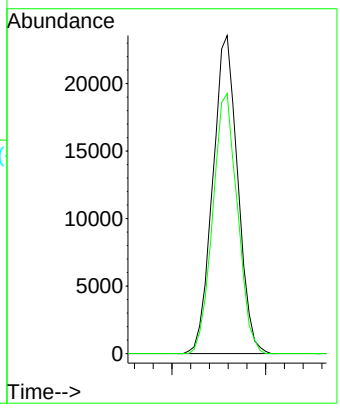
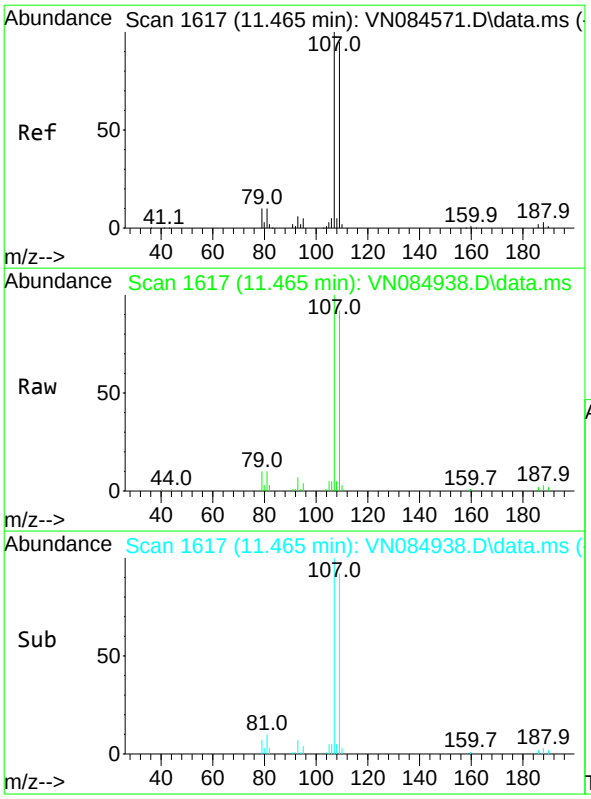


#60
Dibromochloromethane
Concen: 20.043 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:129 Resp: 43514

Ion	Ratio	Lower	Upper
129	100		
127	80.8	38.3	114.9

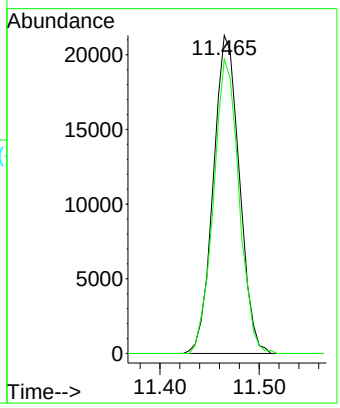




#61
1,2-Dibromoethane
Concen: 19.935 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:107 Resp: 38886

Ion	Ratio	Lower	Upper
107	100		
109	90.6	75.4	113.0



Instrument :
MSVOA_N
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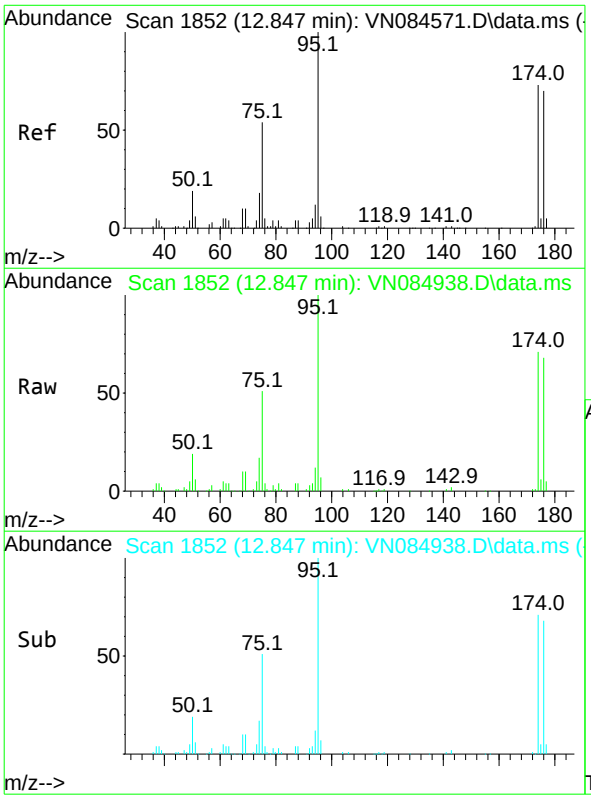
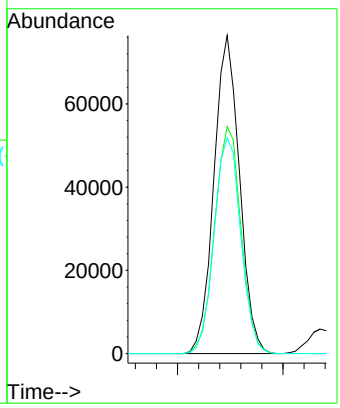
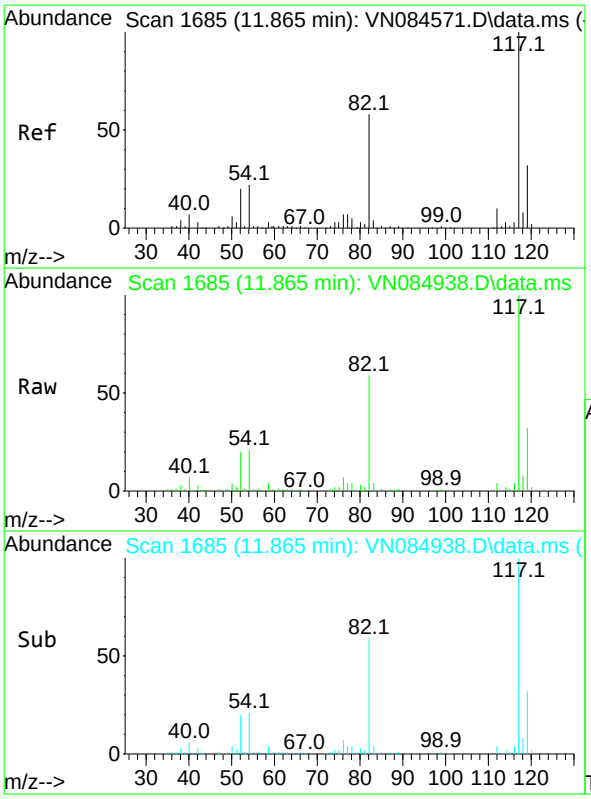


#62
4-Bromofluorobenzene
Concen: 48.202 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 95 Resp: 128829

Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	145.2
176	70.5	0.0	140.0

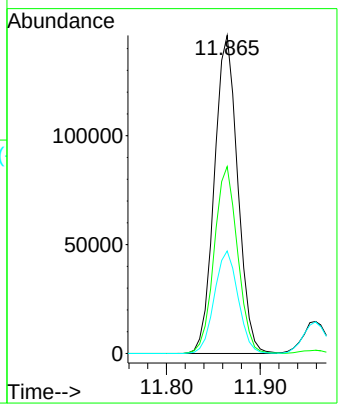




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:117 Resp: 252679

Ion	Ratio	Lower	Upper
117	100		
82	58.8	47.2	70.8
119	32.2	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

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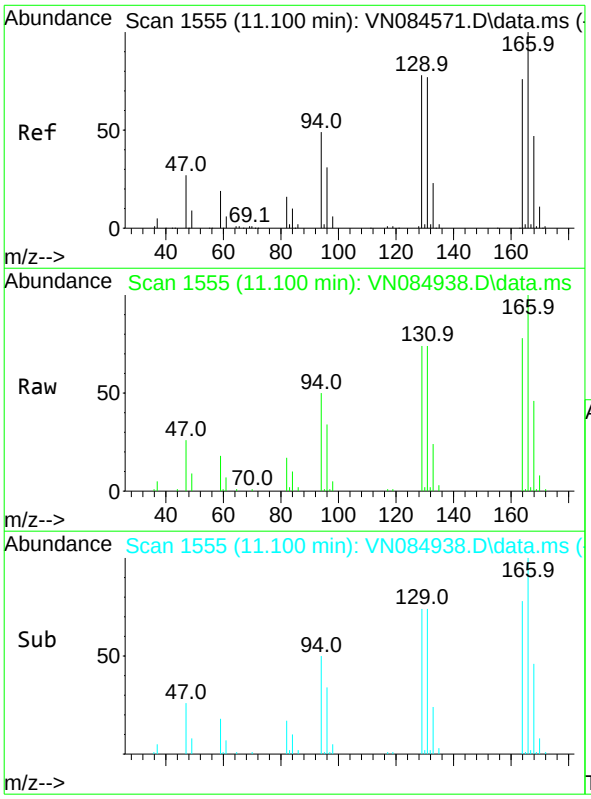
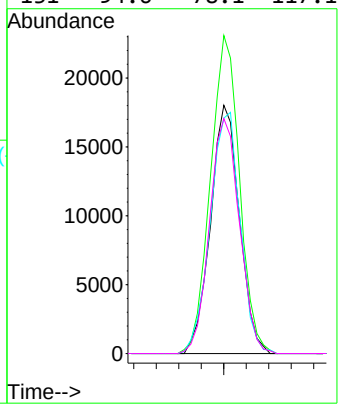
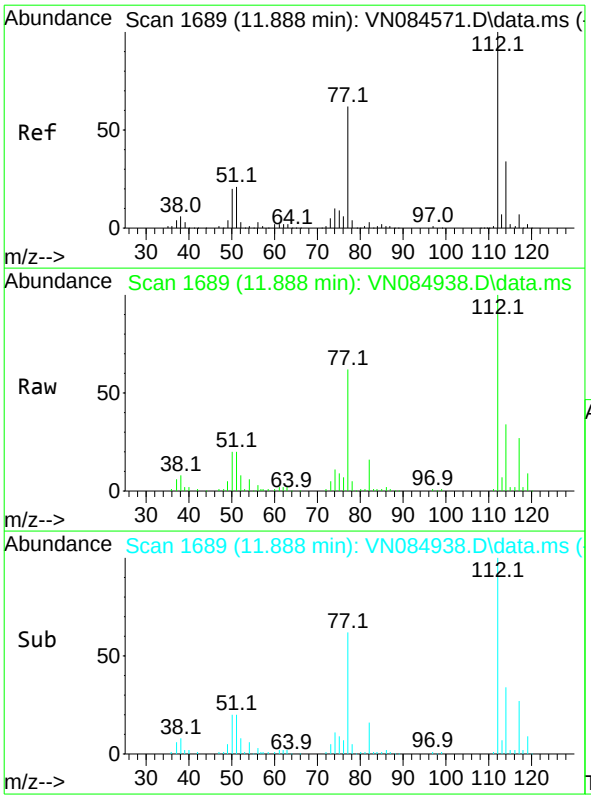


#64
Tetrachloroethene
Concen: 19.153 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:164 Resp: 32191

Ion	Ratio	Lower	Upper
164	100		
166	128.1	101.0	151.4
129	94.9	80.8	121.2
131	94.6	78.1	117.1

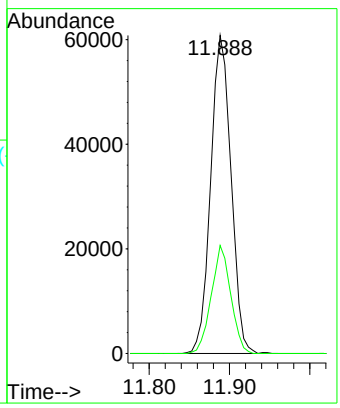




#65
Chlorobenzene
Concen: 18.939 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:112 Resp: 107058

Ion	Ratio	Lower	Upper
112	100		
114	34.0	27.0	40.6



Instrument :
MSVOA_N
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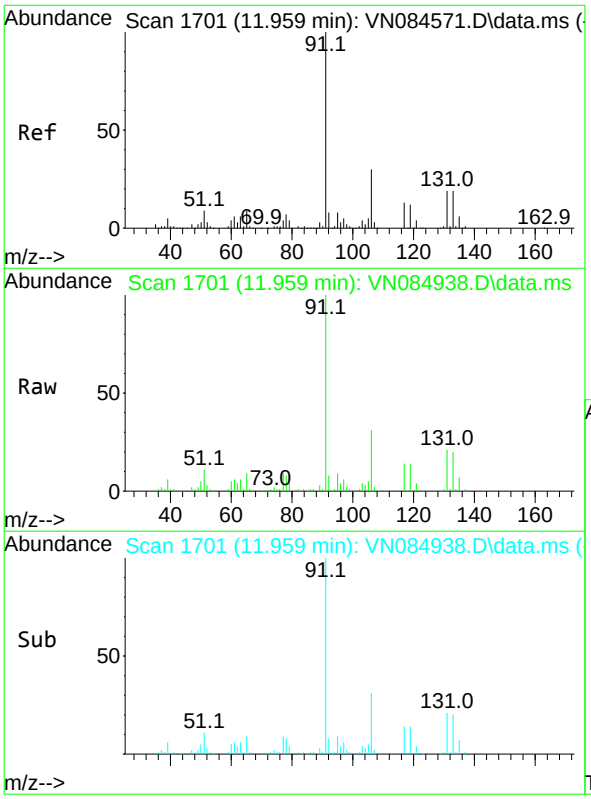
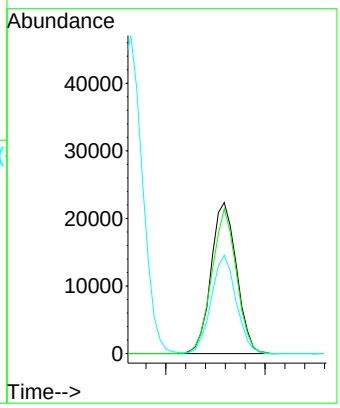
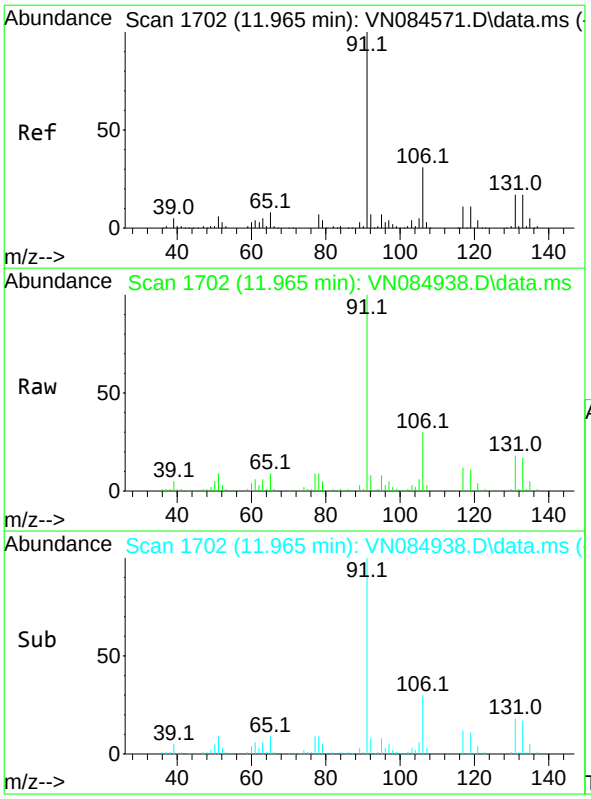


#66
1,1,1,2-Tetrachloroethane
Concen: 20.291 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:131 Resp: 39898

Ion	Ratio	Lower	Upper
131	100		
133	92.5	47.9	143.7
119	63.9	32.8	98.3

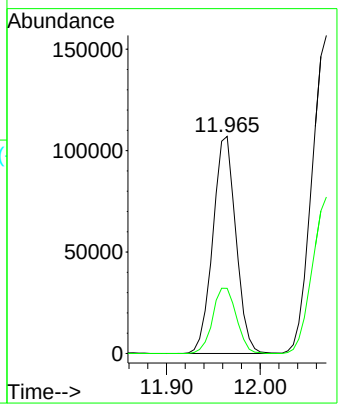




#67
Ethyl Benzene
Concen: 19.439 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 91 Resp: 183422

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.5	36.7



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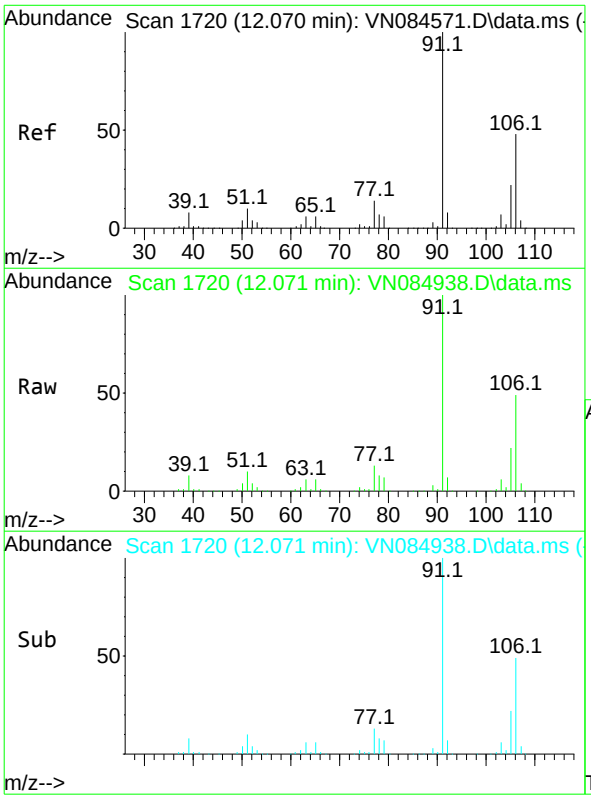
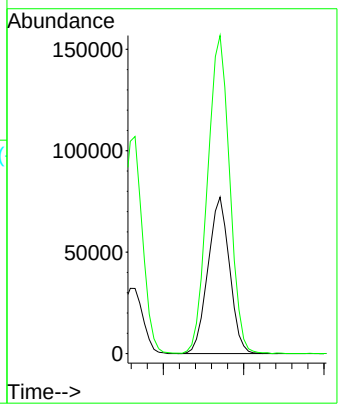
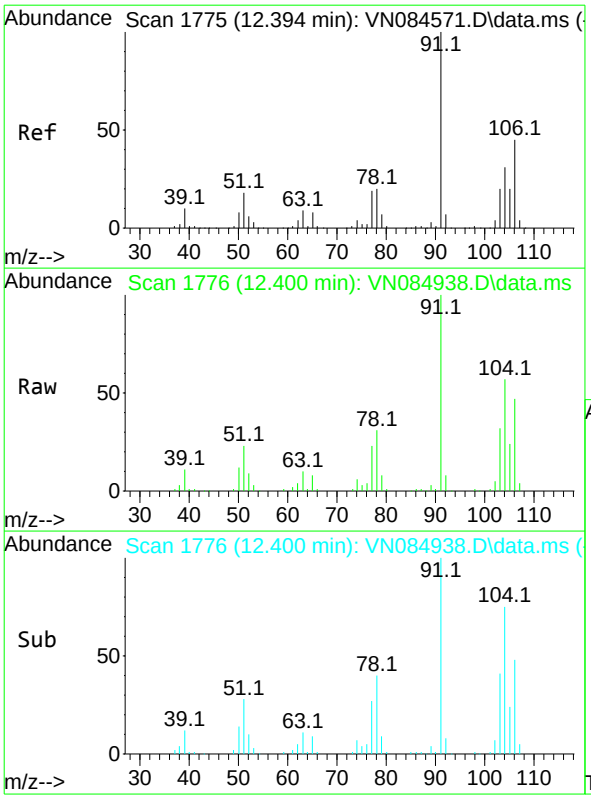


#68
m/p-Xylenes
Concen: 40.117 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:106 Resp: 143310

Ion	Ratio	Lower	Upper
106	100		
91	208.5	167.1	250.7

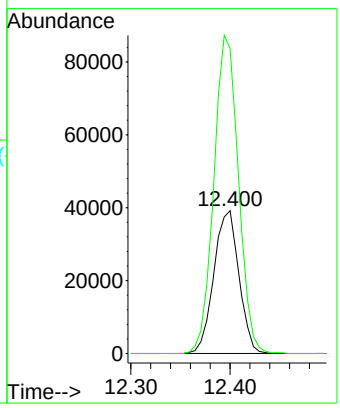




#69
o-Xylene
Concen: 20.606 ug/l
RT: 12.400 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:106 Resp: 68863

Ion	Ratio	Lower	Upper
106	100		
91	218.6	110.2	330.6



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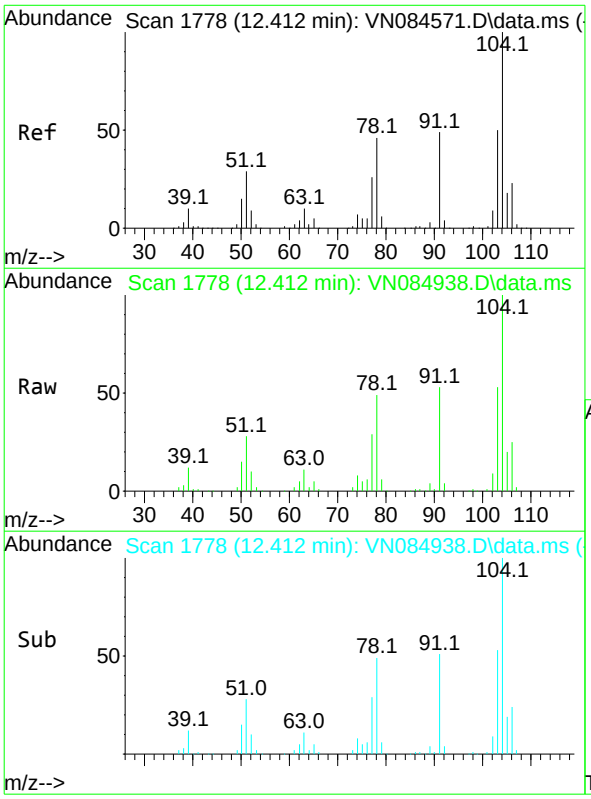
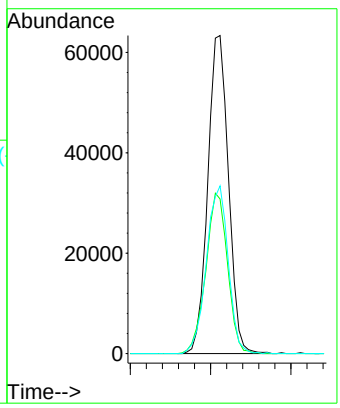
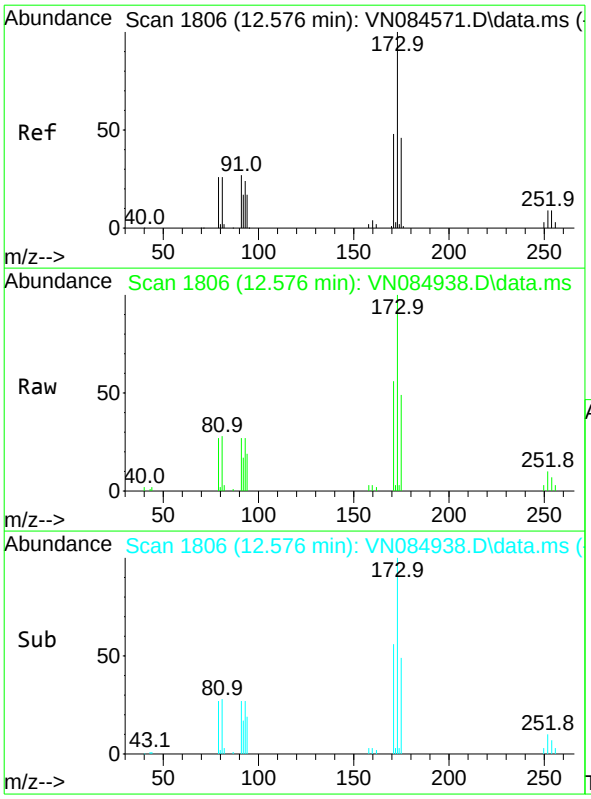


#70
Styrene
Concen: 19.406 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:104 Resp: 113129

Ion	Ratio	Lower	Upper
104	100		
78	53.1	42.7	64.1
103	55.8	43.6	65.4

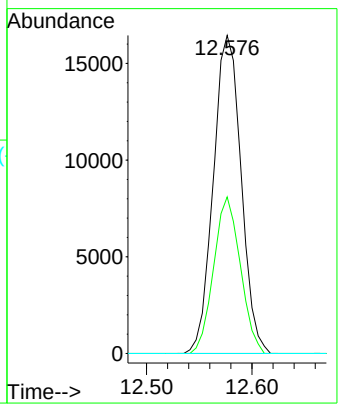




#71
Bromoform
Concen: 20.345 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:173 Resp: 30101

Ion	Ratio	Lower	Upper
173	100		
175	47.2	23.5	70.6
254	0.0	0.0	0.0



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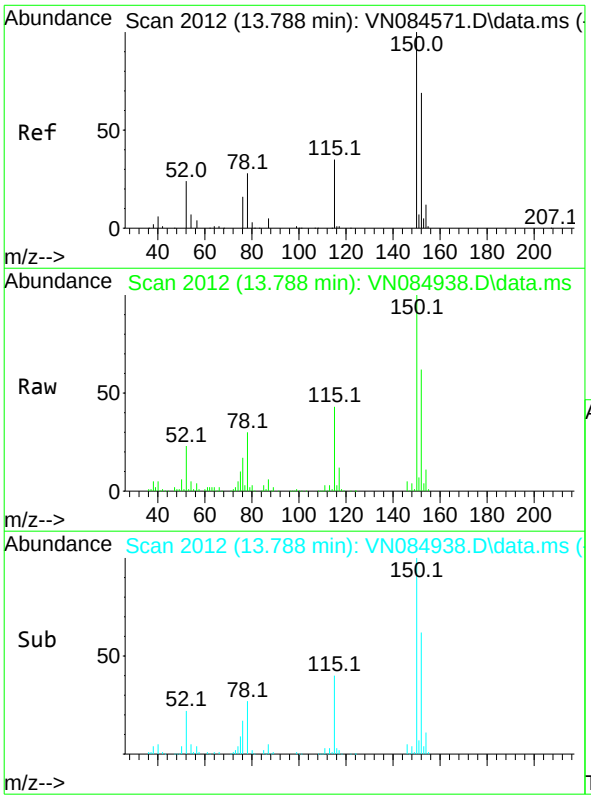
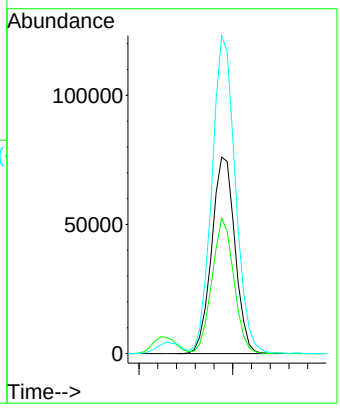
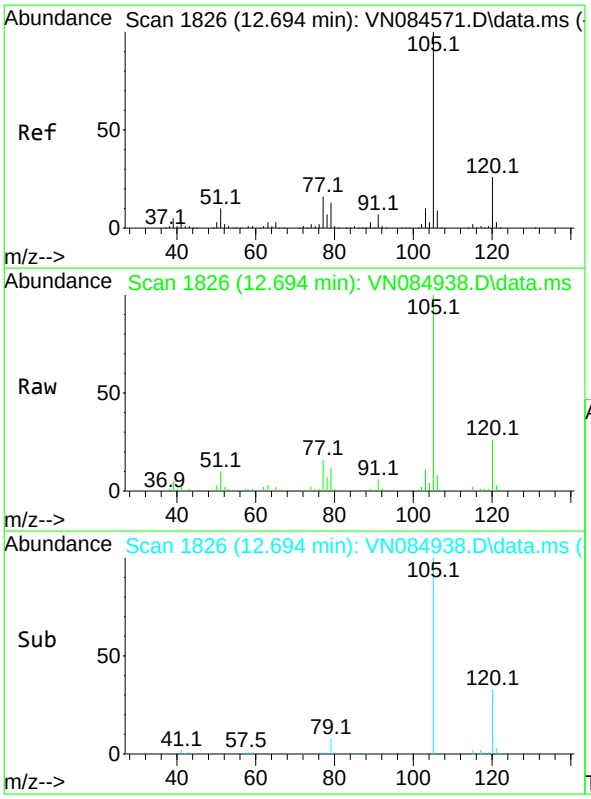


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:152 Resp: 131165

Ion	Ratio	Lower	Upper
152	100		
115	64.8	31.3	93.9
150	163.2	0.0	349.8

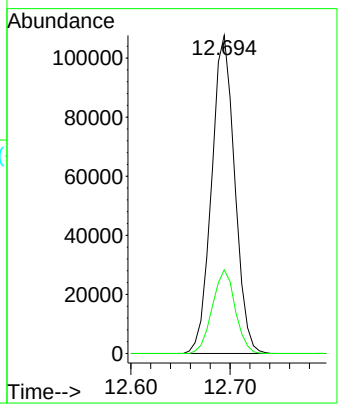




#73
Isopropylbenzene
Concen: 18.929 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:105 Resp: 173994

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.9	38.7



Instrument :
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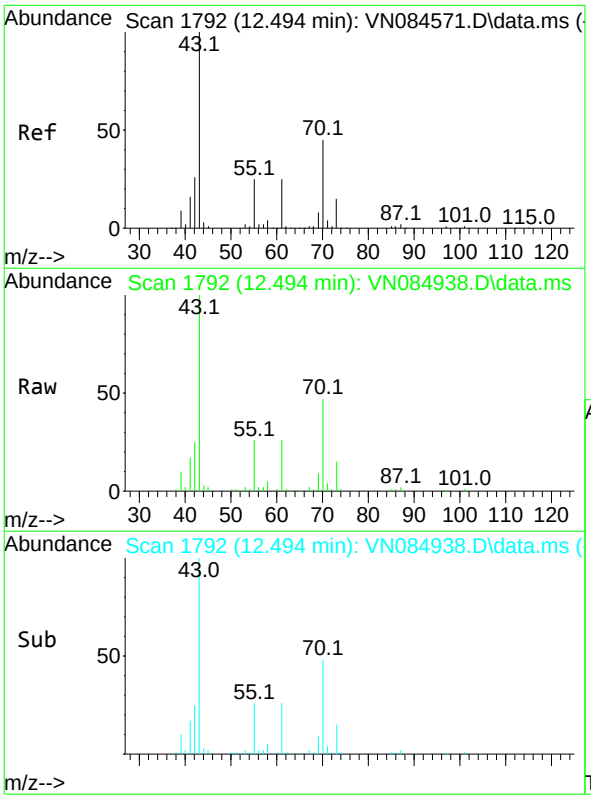
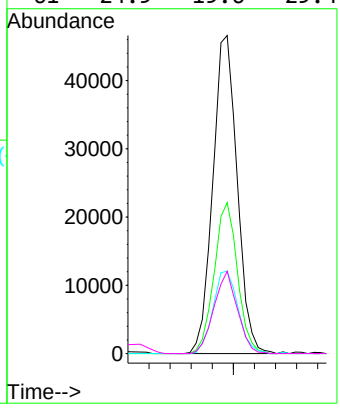
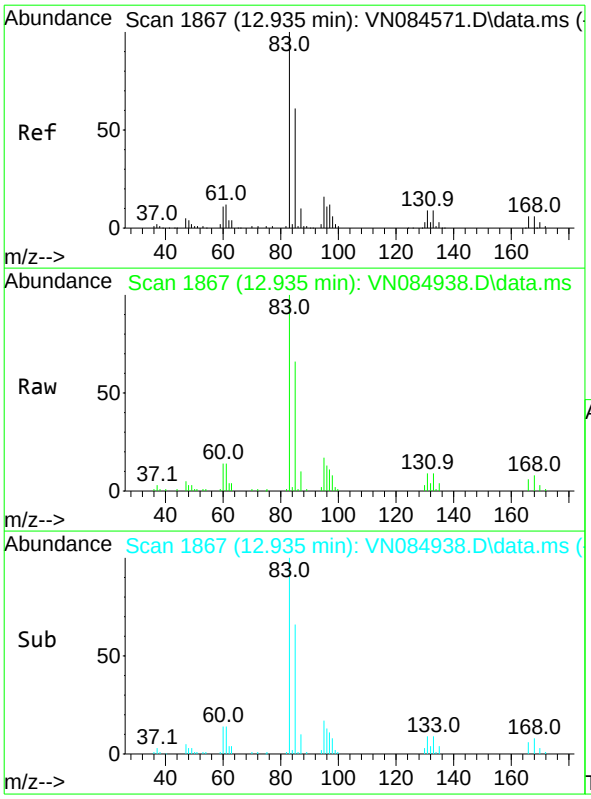


#74
N-amyl acetate
Concen: 19.078 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 43 Resp: 74637

Ion	Ratio	Lower	Upper
43	100		
70	45.5	34.4	51.6
55	26.9	19.6	29.4
61	24.9	19.6	29.4

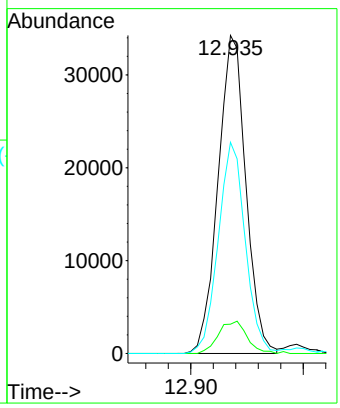




#75
1,1,2,2-Tetrachloroethane
Concen: 19.158 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 83 Resp: 58779

Ion	Ratio	Lower	Upper
83	100		
131	10.6	4.9	14.7
85	64.5	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
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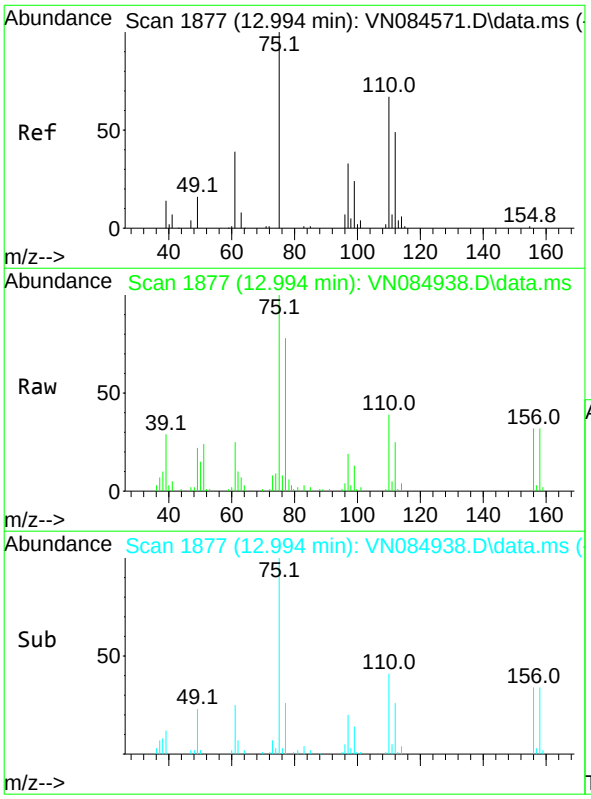
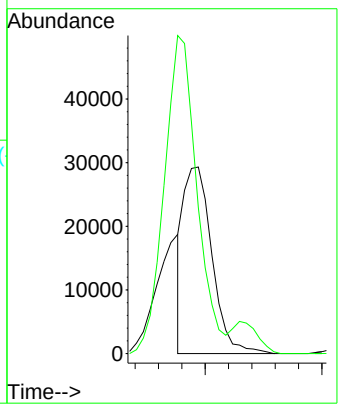
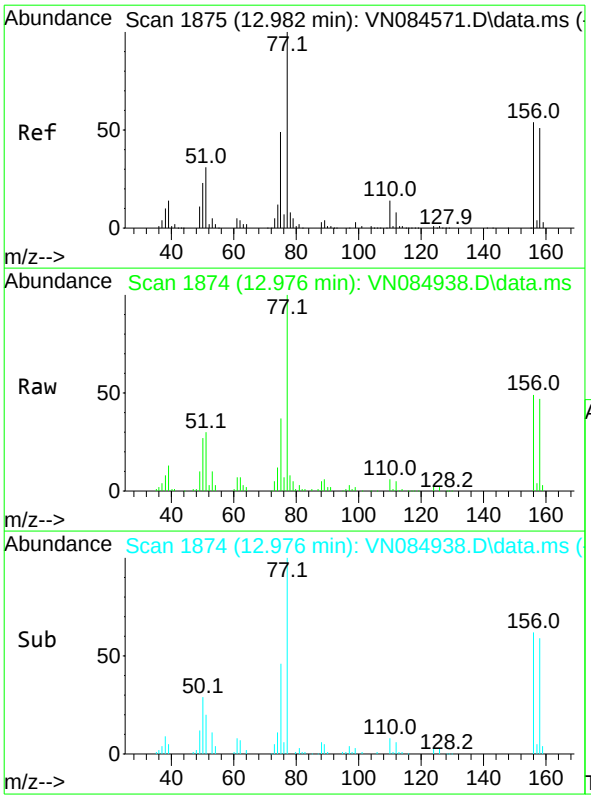


#76
1,2,3-Trichloropropane
Concen: 18.894 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 75 Resp: 49539

Ion	Ratio	Lower	Upper
75	100		
77	196.0	96.9	290.7

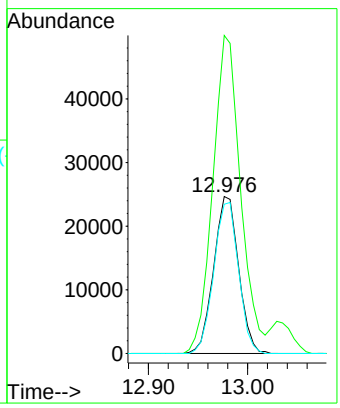




#77
Bromobenzene
Concen: 17.496 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:156 Resp: 43232

Ion	Ratio	Lower	Upper
156	100		
77	224.5	115.1	345.3
158	95.2	48.9	146.8



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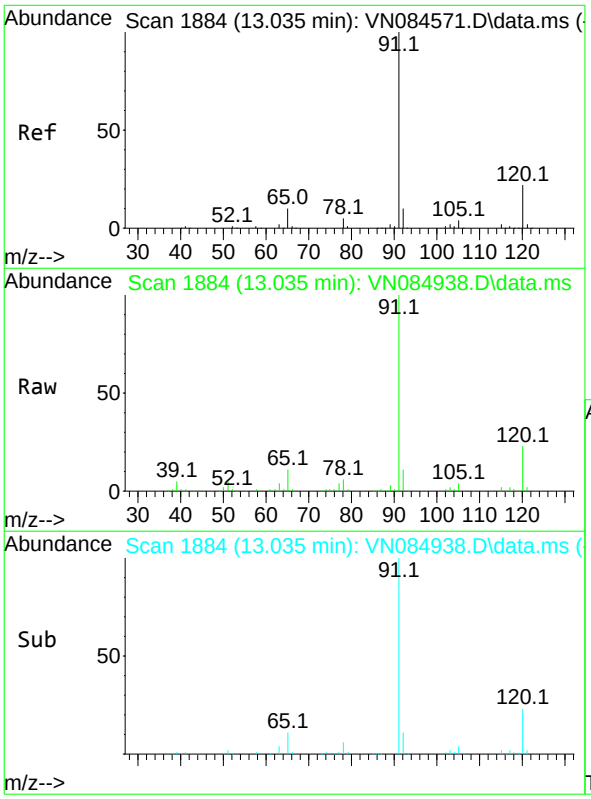
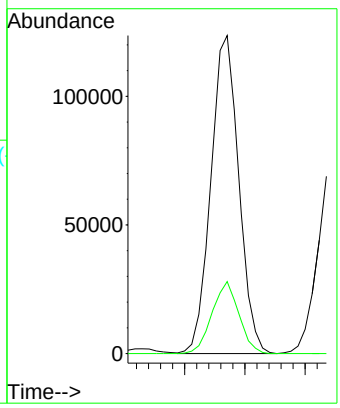
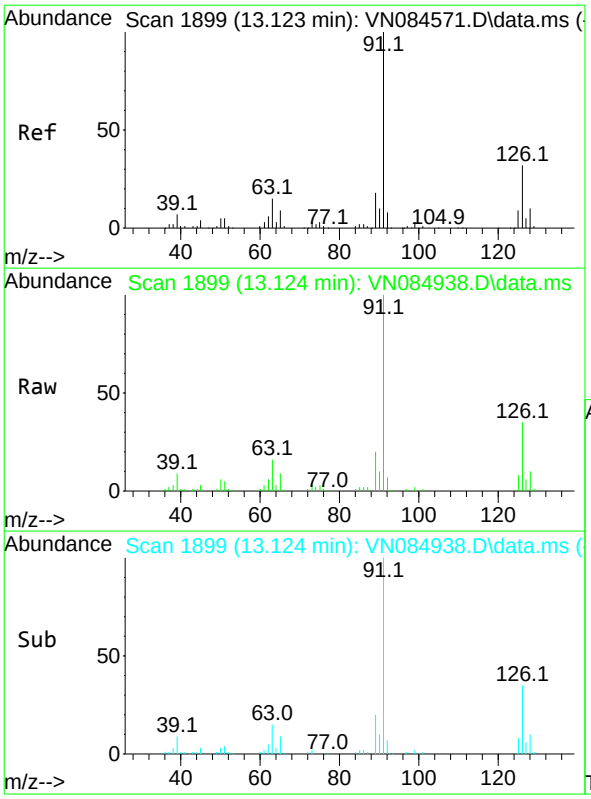


#78
n-propylbenzene
Concen: 18.484 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 91 Resp: 199093

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.4

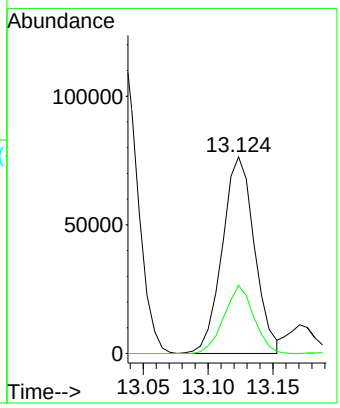




#79
2-Chlorotoluene
Concen: 18.762 ug/l
RT: 13.124 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 91 Resp: 132044

Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.7	47.1



Instrument :
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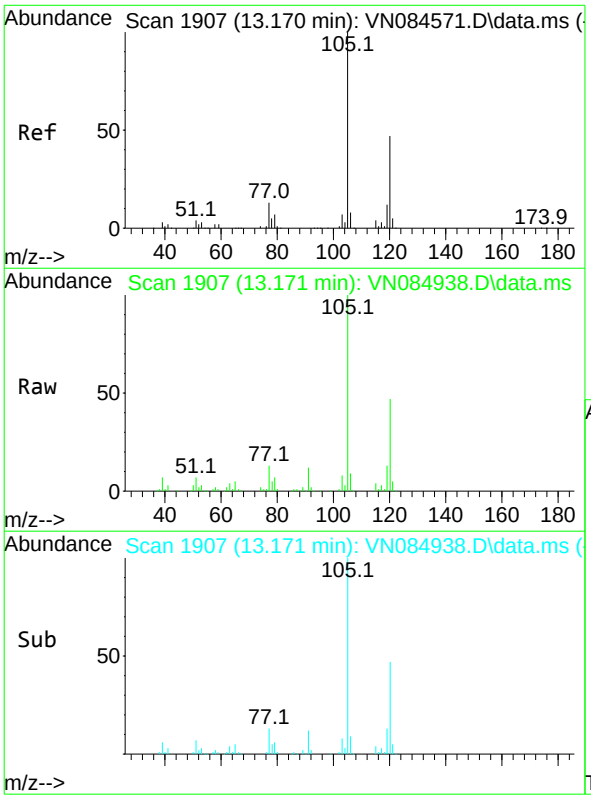
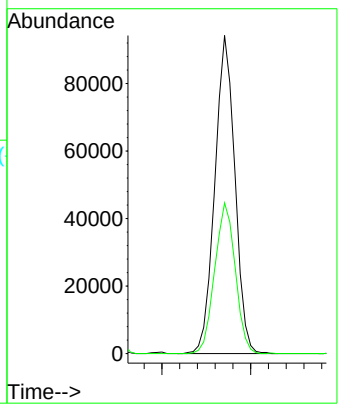
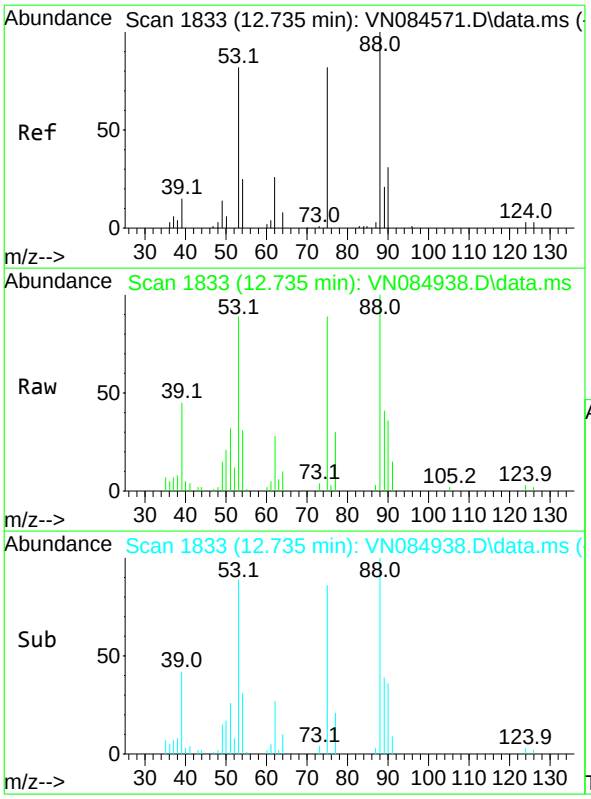


#80
1,3,5-Trimethylbenzene
Concen: 19.429 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:105 Resp: 148018

Ion	Ratio	Lower	Upper
105	100		
120	48.4	23.7	71.1

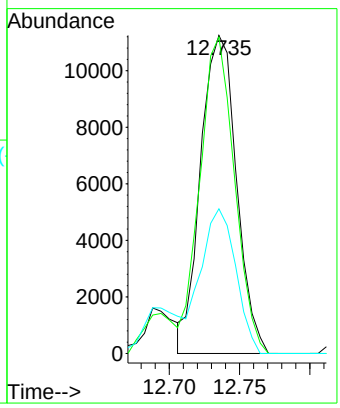




#81
trans-1,4-Dichloro-2-butene
Concen: 18.014 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 75 Resp: 19909

Ion	Ratio	Lower	Upper
75	100		
53	95.9	78.0	117.0
89	43.8	35.5	53.3



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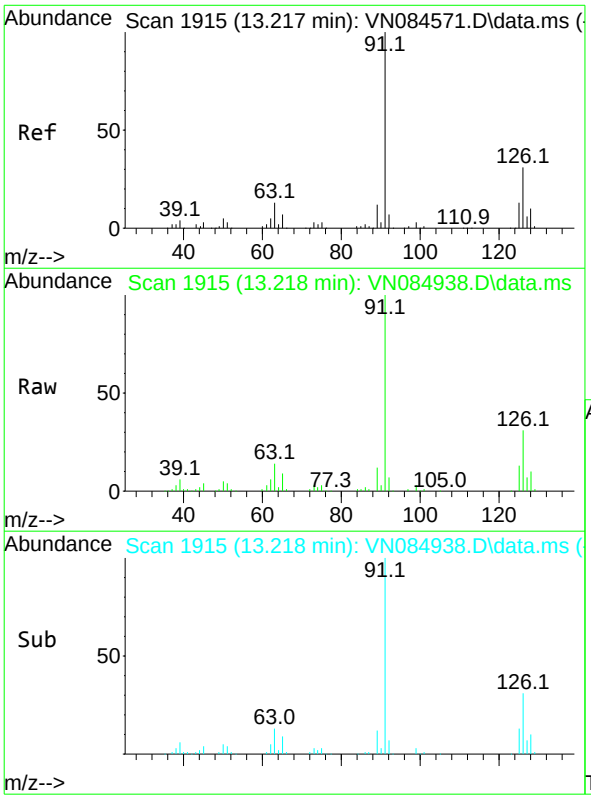
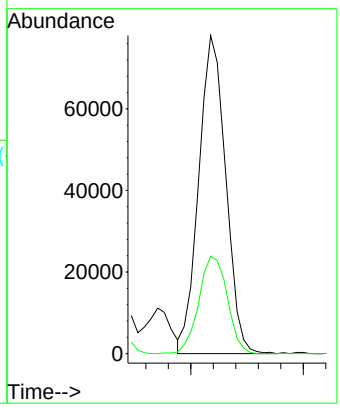
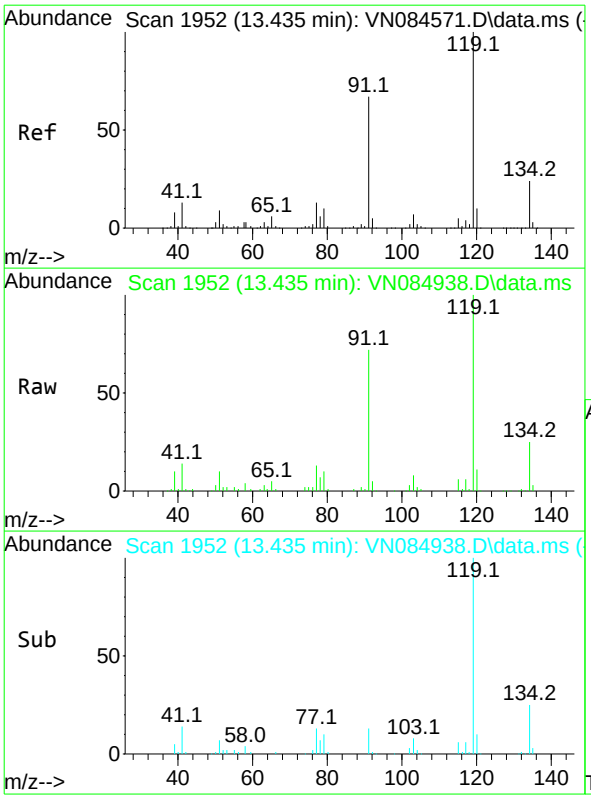


#82
4-Chlorotoluene
Concen: 17.532 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 91 Resp: 129851

Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.7	47.1

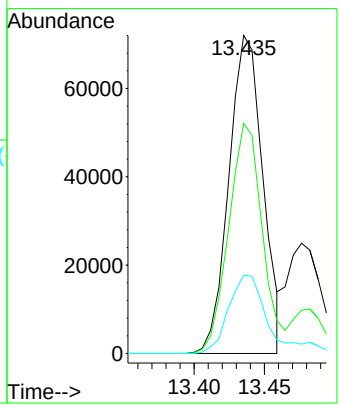




#83
tert-Butylbenzene
Concen: 19.173 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:119 Resp: 120889

Ion	Ratio	Lower	Upper
119	100		
91	72.0	34.1	102.3
134	28.7	12.8	38.4



Instrument :
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ClientSampleId :
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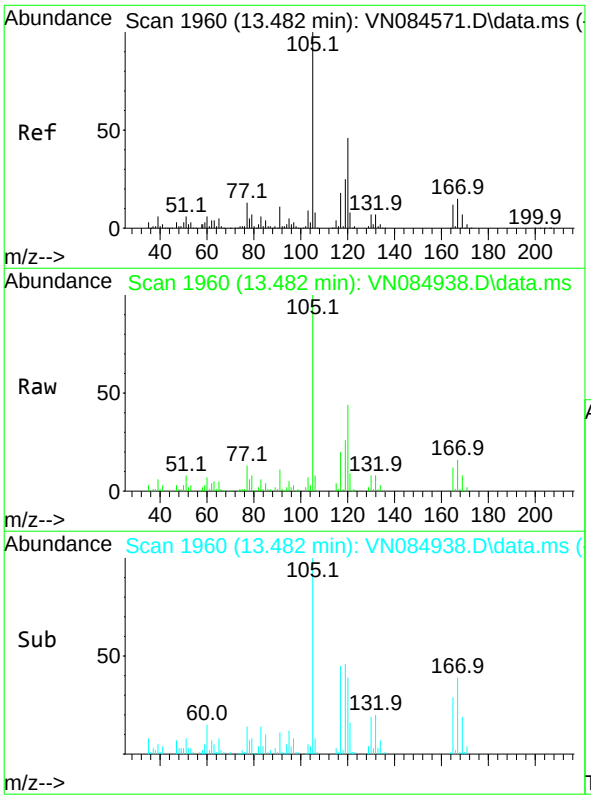
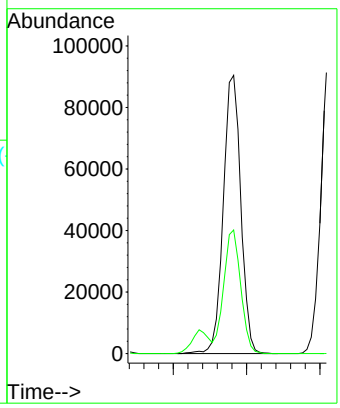
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

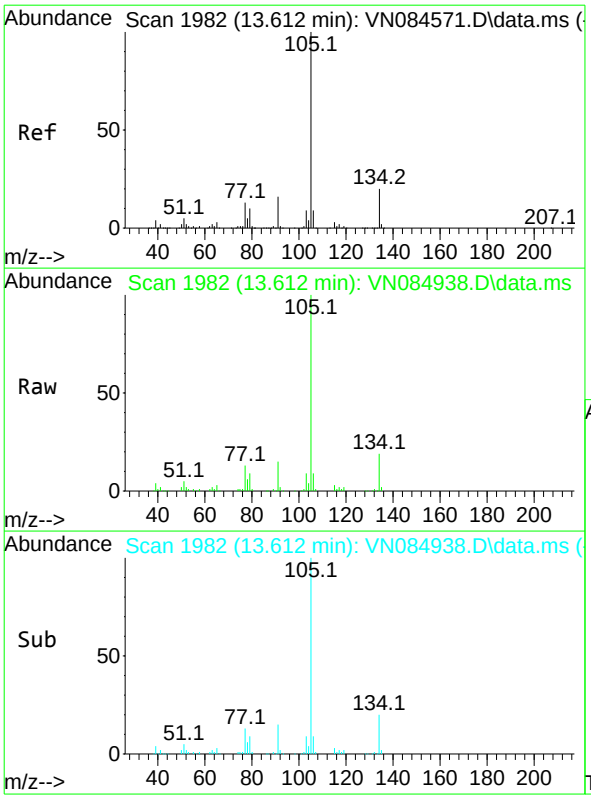


#84
1,2,4-Trimethylbenzene
Concen: 19.065 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:105 Resp: 149905

Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.3	66.8

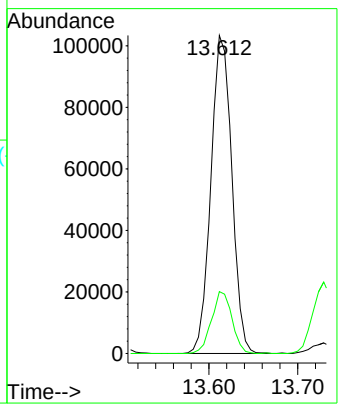




#85
sec-Butylbenzene
Concen: 19.019 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:105 Resp: 169384

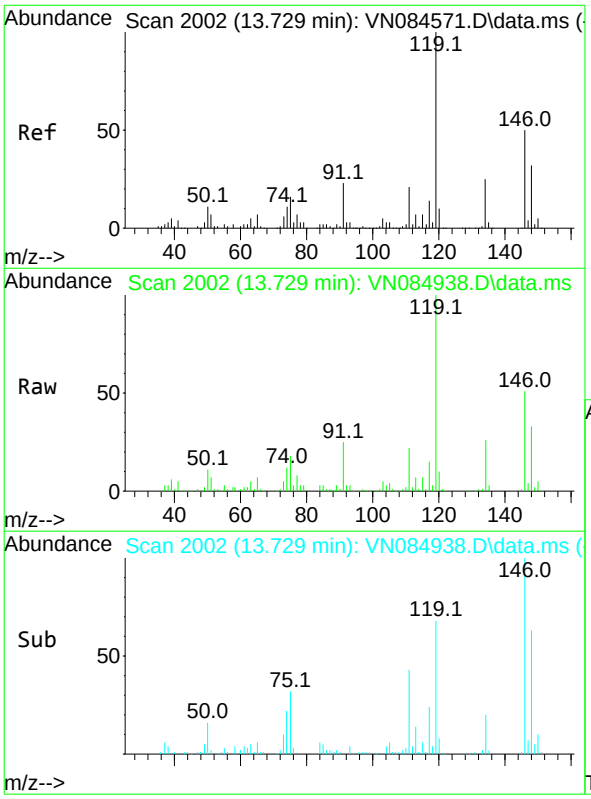
Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Manual Integrations APPROVED

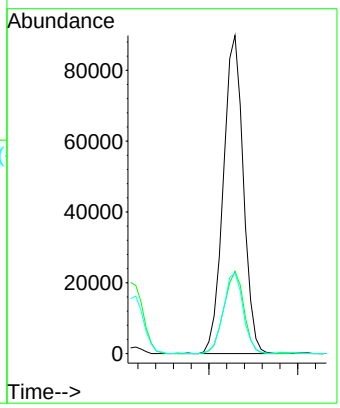
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

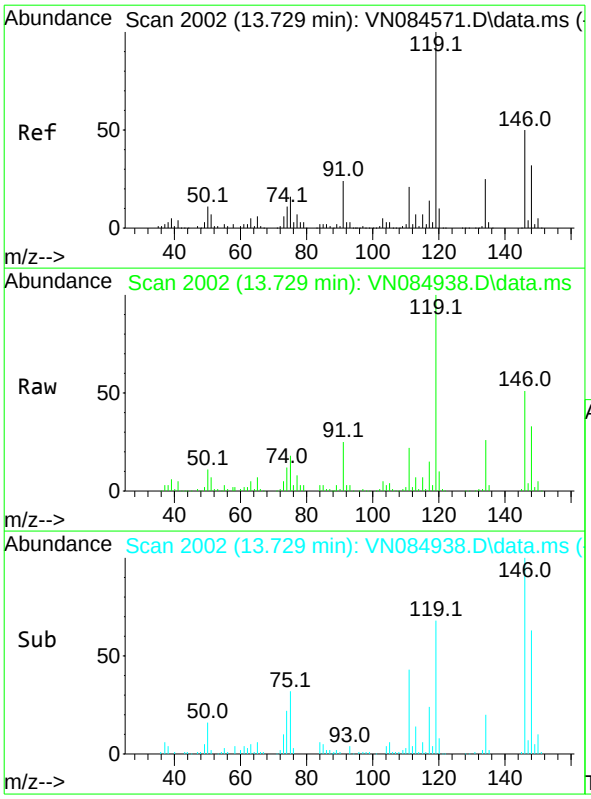


#86
p-Isopropyltoluene
Concen: 19.242 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:119 Resp: 140547

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	25.3	12.4	37.2

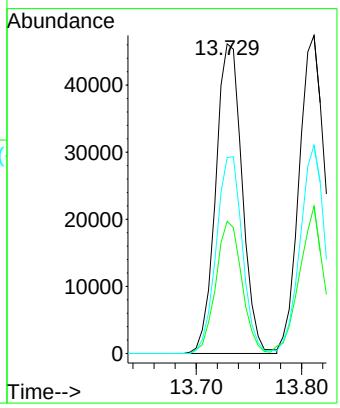




#87
1,3-Dichlorobenzene
Concen: 16.675 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:146 Resp: 80412

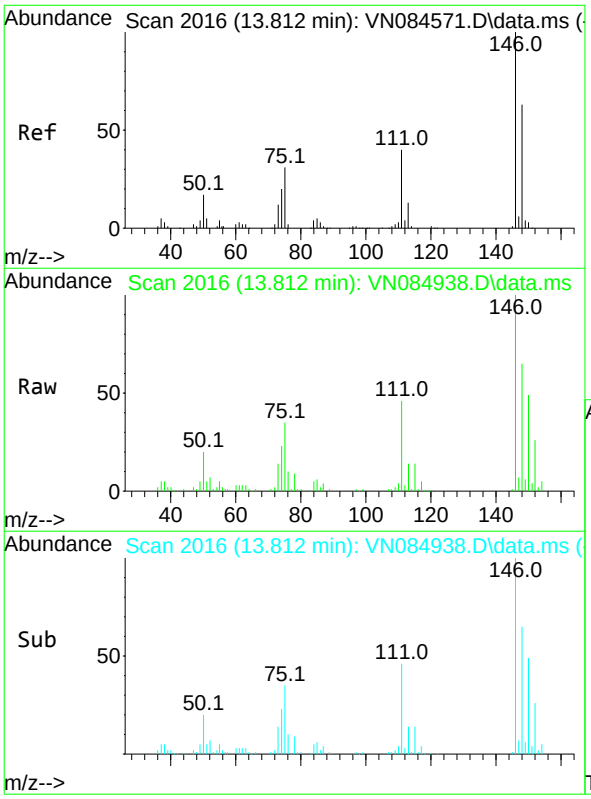
Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.8	65.3
148	62.9	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Manual Integrations APPROVED

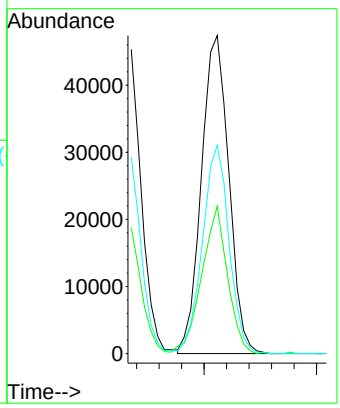
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

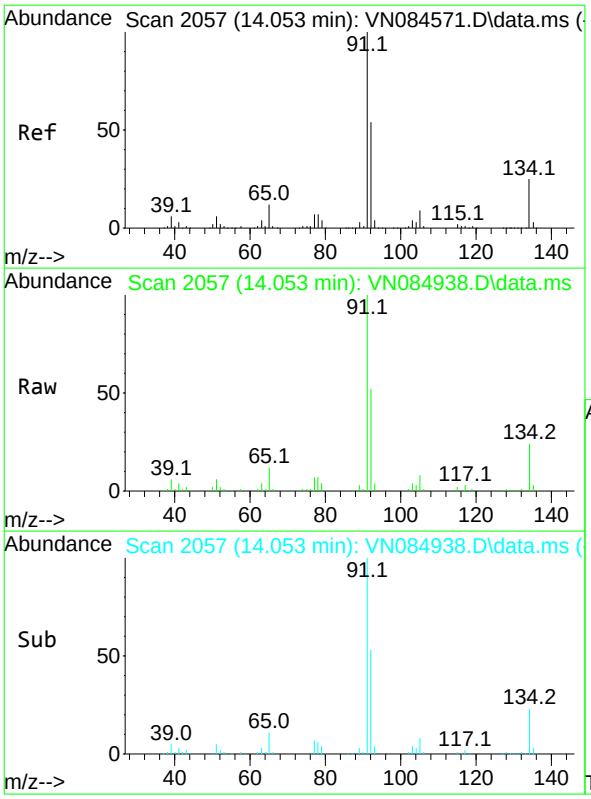


#88
1,4-Dichlorobenzene
Concen: 17.455 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:146 Resp: 80399

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.2	63.6
148	63.4	31.9	95.9

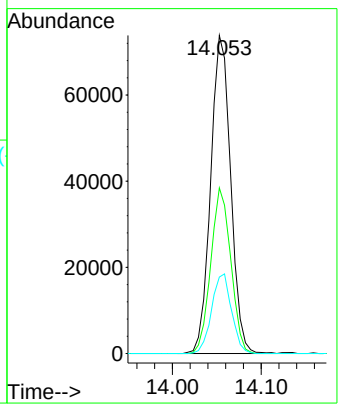




#89
n-Butylbenzene
Concen: 16.921 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 91 Resp: 115610

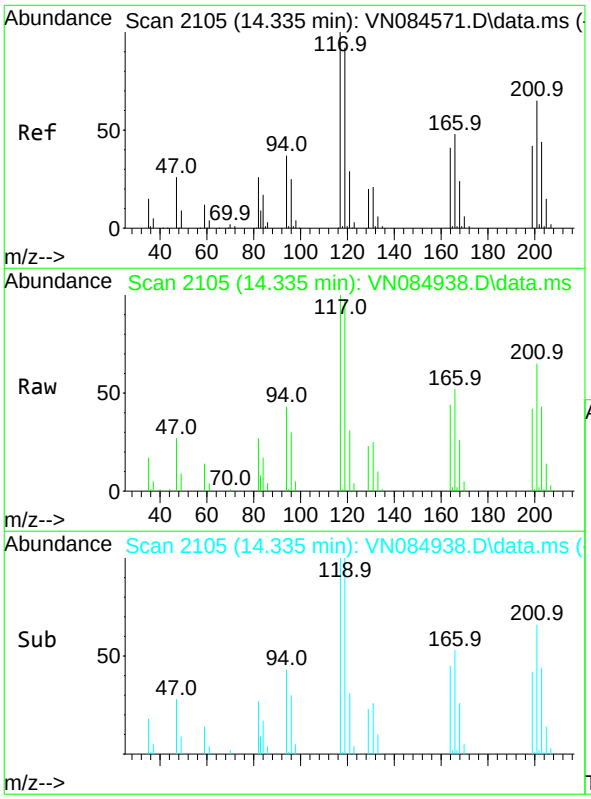
Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.6	79.7
134	24.9	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Manual Integrations
APPROVED

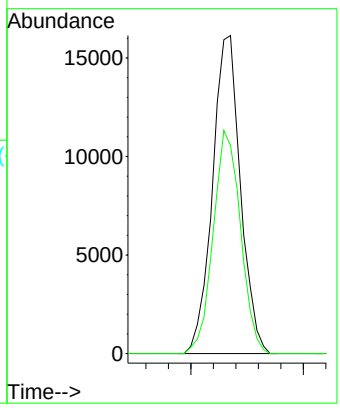
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

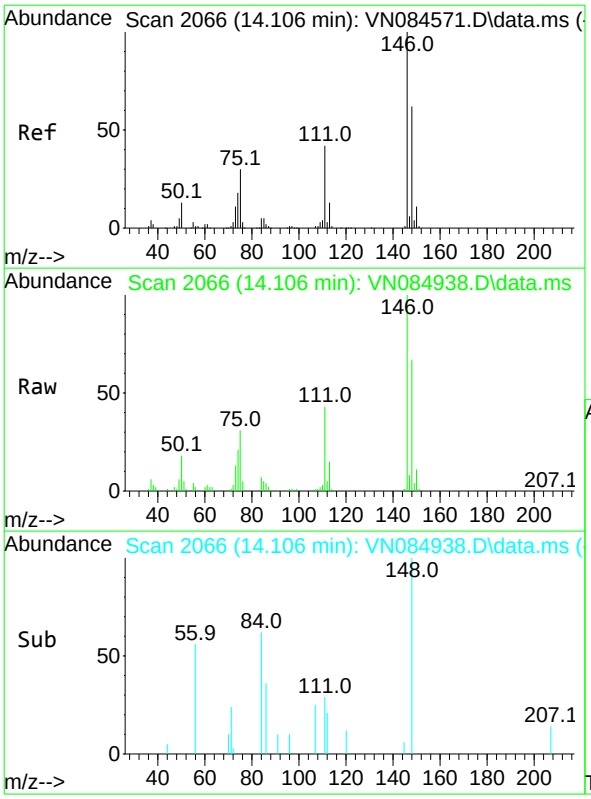


#90
Hexachloroethane
Concen: 17.118 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:117 Resp: 27883

Ion	Ratio	Lower	Upper
117	100		
201	68.5	34.4	103.2

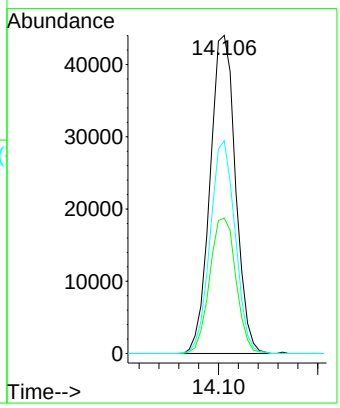




#91
1,2-Dichlorobenzene
Concen: 16.949 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:146 Resp: 78540

Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.0	66.0
148	65.6	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Manual Integrations
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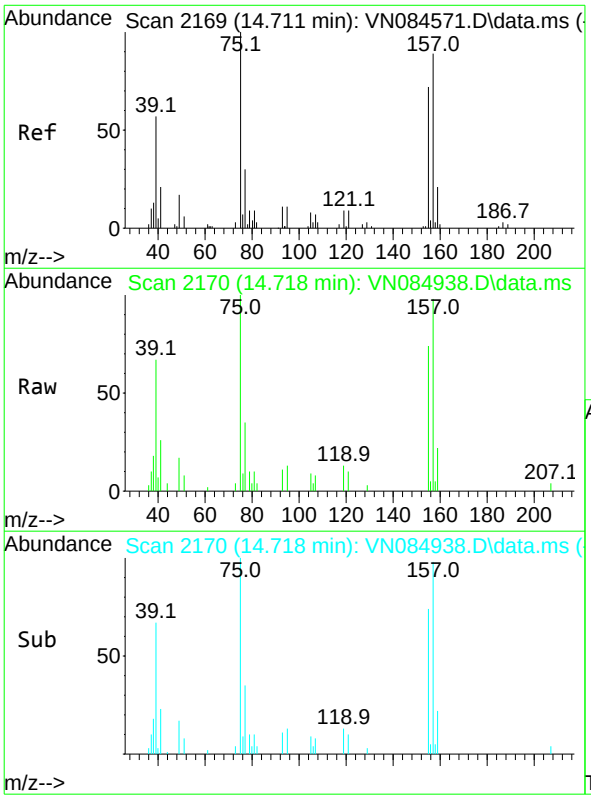
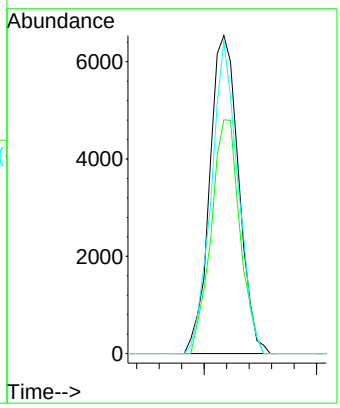
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

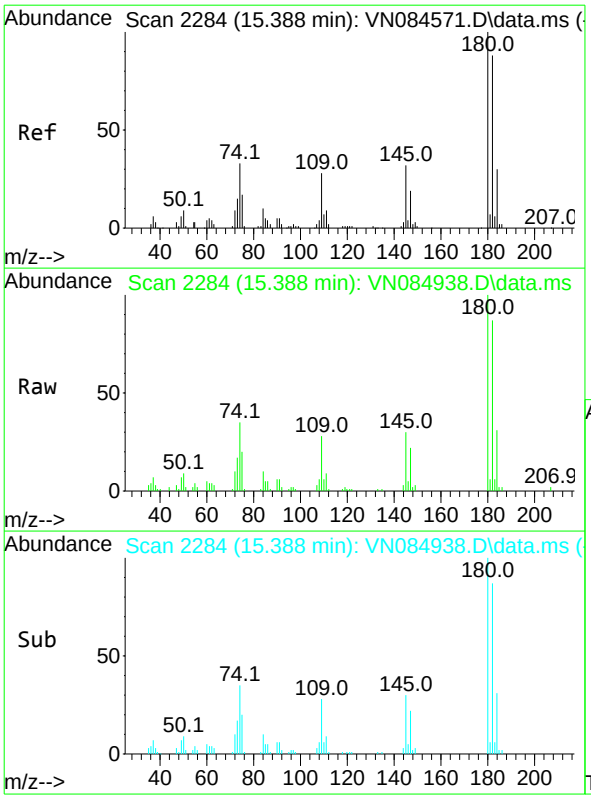


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.803 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 75 Resp: 11687

Ion	Ratio	Lower	Upper
75	100		
155	72.9	38.1	114.5
157	90.5	49.6	149.0

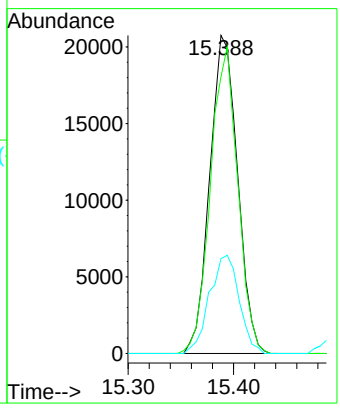




#93
1,2,4-Trichlorobenzene
Concen: 15.011 ug/l
RT: 15.388 min Scan# 22
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:180 Resp: 38073

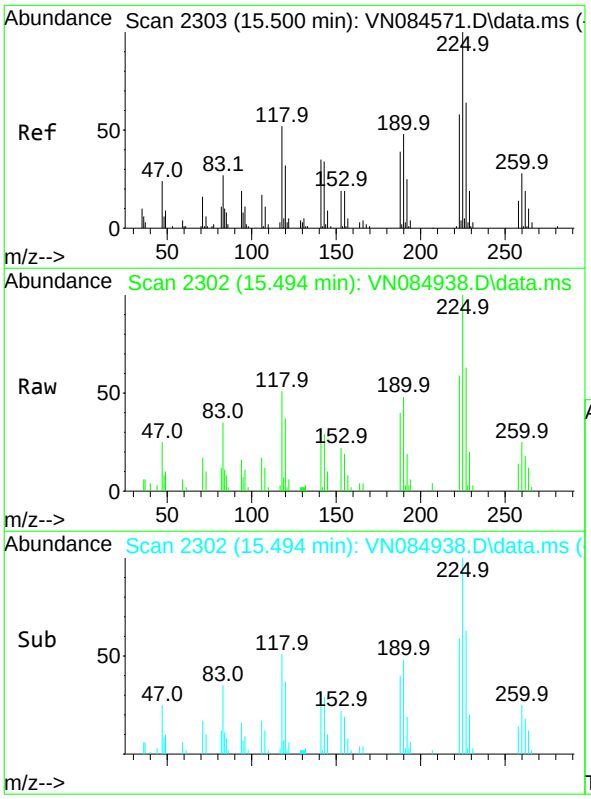
Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.0	141.0
145	32.9	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Manual Integrations APPROVED

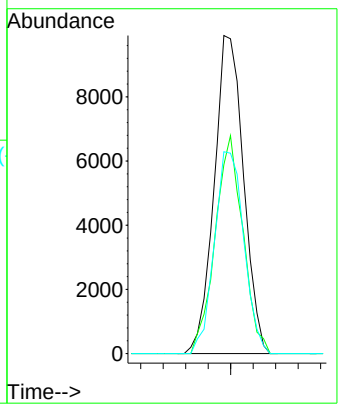
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

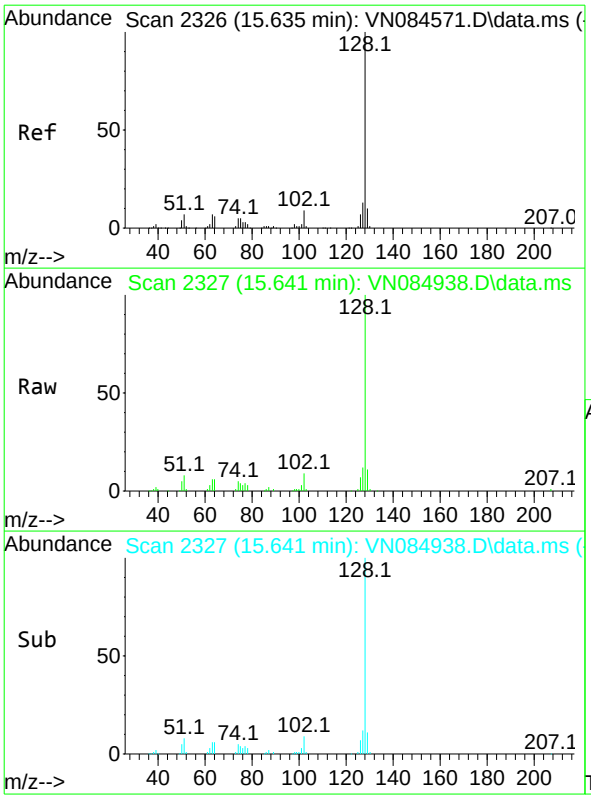


#94
Hexachlorobutadiene
Concen: 16.146 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:225 Resp: 17984

Ion	Ratio	Lower	Upper
225	100		
223	64.8	32.4	97.2
227	63.7	32.4	97.0

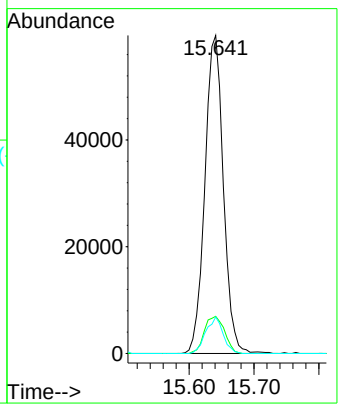




#95
Naphthalene
Concen: 15.526 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:128 Resp: 117873

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.7	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Manual Integrations
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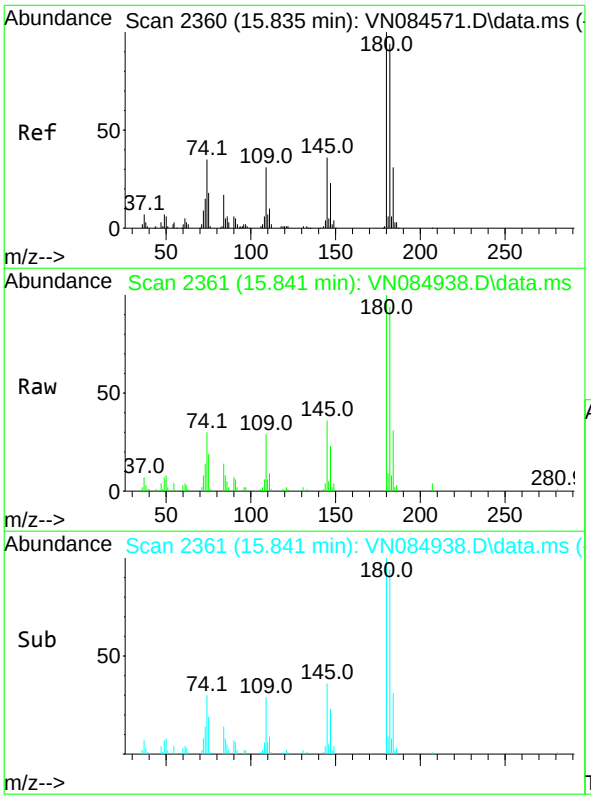
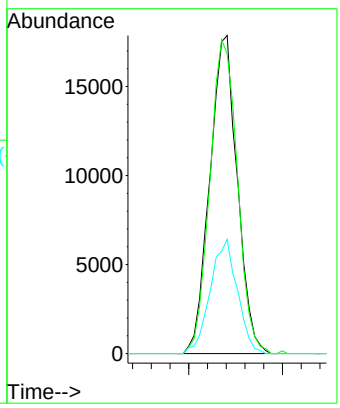
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#96
1,2,3-Trichlorobenzene
Concen: 14.782 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:180 Resp: 36396

Ion	Ratio	Lower	Upper
180	100		
182	98.9	48.2	144.6
145	35.4	17.3	51.9



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VN1120WBS02	SDG No.:	P4845
Lab Sample ID:	VN1120WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084964.D	1		11/20/24 13:20	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	20.6		0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	17.8		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	19.3		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	20.1		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	19.2		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.8		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.6		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.0		0.26	0.75	1.00	ug/L
67-64-1	Acetone	110		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	17.8		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.8		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	19.7		0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	20.2		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.2		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.8		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	18.8		1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	120		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.8		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.1		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	21.8		0.18	0.50	1.00	ug/L
67-66-3	Chloroform	20.6		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.0		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	20.6		0.19	0.50	1.00	ug/L
71-43-2	Benzene	19.8		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.4		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.6		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.7		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	20.2		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	130		0.75	2.50	5.00	ug/L
108-88-3	Toluene	20.7		0.18	0.50	1.00	ug/L

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VN1120WBS02	SDG No.:	P4845
Lab Sample ID:	VN1120WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084964.D	1		11/20/24 13:20	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.4		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.2		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.9		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	130		1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	21.5		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.3		0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.7		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.3		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.6		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	39.3		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	20.7		0.14	0.50	1.00	ug/L
100-42-5	Styrene	20.2		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	20.0		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	19.3		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.4		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.5		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.0		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.0		0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.6		0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.0		0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	16.5		0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.9		81 - 118		94%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	44.9		89 - 112		90%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		85 - 114		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	151000	8.224				
540-36-3	1,4-Difluorobenzene	254000	9.1				
3114-55-4	Chlorobenzene-d5	230000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	115000	13.788				

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VN1120WBS02	SDG No.:	P4845
Lab Sample ID:	VN1120WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084964.D	1		11/20/24 13:20	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084964.D
Acq On : 20 Nov 2024 13:20
Operator : JC\MD
Sample : VN1120WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 21 00:36:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	150630	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	253557	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	229692	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114872	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	102086	46.923	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.840%			
35) Dibromofluoromethane	8.165	113	82888	48.295	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.600%			
50) Toluene-d8	10.565	98	283802	44.890	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 89.780%			
62) 4-Bromofluorobenzene	12.847	95	113847	48.183	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.360%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	35618	20.569	ug/l	97
3) Chloromethane	2.359	50	39396	17.764	ug/l	96
4) Vinyl Chloride	2.506	62	35932	19.293	ug/l	94
5) Bromomethane	2.901	94	19858	20.124	ug/l	91
6) Chloroethane	3.071	64	23127	19.201	ug/l	98
7) Trichlorofluoromethane	3.465	101	60800	19.818	ug/l	99
8) Diethyl Ether	3.953	74	23262	21.494	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.353	101	34019	19.624	ug/l	98
10) Methyl Iodide	4.577	142	48587	20.971	ug/l	98
11) Tert butyl alcohol	5.542	59	33696	117.336	ug/l	98
12) 1,1-Dichloroethene	4.330	96	32651	19.034	ug/l	94
13) Acrolein	4.171	56	31534	110.120	ug/l	97
14) Allyl chloride	5.012	41	54299	19.519	ug/l	94
15) Acrylonitrile	5.712	53	96254	115.780	ug/l	98
16) Acetone	4.430	43	72399	113.647	ug/l	96
17) Carbon Disulfide	4.700	76	93961	17.787	ug/l	98
18) Methyl Acetate	5.024	43	50778	19.700	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	114824	21.839	ug/l	98
20) Methylene Chloride	5.265	84	38672	20.210	ug/l	92
21) trans-1,2-Dichloroethene	5.777	96	33847	19.216	ug/l	95
22) Diisopropyl ether	6.671	45	116859	21.141	ug/l	97
23) Vinyl Acetate	6.600	43	432838	113.548	ug/l	98
24) 1,1-Dichloroethane	6.559	63	65568	19.757	ug/l	97
25) 2-Butanone	7.483	43	124217	122.382	ug/l	97
26) 2,2-Dichloropropane	7.483	77	58388	20.214	ug/l	99
27) cis-1,2-Dichloroethene	7.477	96	41367	20.114	ug/l	97
28) Bromochloromethane	7.806	49	28846	21.817	ug/l	90
29) Tetrahydrofuran	7.841	42	81330	120.782	ug/l	96
30) Chloroform	7.965	83	69698	20.634	ug/l	93
31) Cyclohexane	8.247	56	56449	18.794	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	61504	20.005	ug/l	97
36) 1,1-Dichloropropene	8.365	75	45714	19.205	ug/l	98
37) Ethyl Acetate	7.559	43	48545	22.479	ug/l	95
38) Carbon Tetrachloride	8.359	117	55251	20.767	ug/l	95
39) Methylcyclohexane	9.600	83	49871	20.595	ug/l	97
40) Benzene	8.600	78	151055	19.761	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084964.D
Acq On : 20 Nov 2024 13:20
Operator : JC\MD
Sample : VN1120WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 21 00:36:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	28047	24.151	ug/l		98
42) 1,2-Dichloroethane	8.665	62	52979	21.400	ug/l		99
43) Isopropyl Acetate	8.688	43	89614	21.919	ug/l		99
44) Trichloroethene	9.347	130	34468	19.552	ug/l		97
45) 1,2-Dichloropropane	9.618	63	37090	20.684	ug/l		98
46) Dibromomethane	9.706	93	26646	21.059	ug/l		96
47) Bromodichloromethane	9.888	83	53986	20.241	ug/l	#	99
48) Methyl methacrylate	9.682	41	39511	23.508	ug/l		98
49) 1,4-Dioxane	9.694	88	13647	458.199	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.447	43	257532	125.092	ug/l		99
52) Toluene	10.629	92	92522	20.695	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	53494	19.376	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	58965	20.179	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	36801	21.853	ug/l		95
56) Ethyl methacrylate	10.871	69	57695	23.685	ug/l		96
57) 1,3-Dichloropropane	11.159	76	61447	21.260	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	115920	101.699	ug/l		95
59) 2-Hexanone	11.194	43	190538	127.150	ug/l		99
60) Dibromochloromethane	11.359	129	41243	21.489	ug/l		99
61) 1,2-Dibromoethane	11.471	107	36672	21.265	ug/l		98
64) Tetrachloroethene	11.100	164	30097	19.699	ug/l		93
65) Chlorobenzene	11.888	112	99409	19.345	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	35112	19.644	ug/l		98
67) Ethyl Benzene	11.965	91	168037	19.590	ug/l		99
68) m/p-Xylenes	12.071	106	127695	39.323	ug/l		99
69) o-Xylene	12.400	106	62946	20.721	ug/l		99
70) Styrene	12.412	104	106834	20.160	ug/l		99
71) Bromoform	12.582	173	26831	19.950	ug/l	#	95
73) Isopropylbenzene	12.694	105	155280	19.290	ug/l		99
74) N-amyl acetate	12.494	43	72549	21.175	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.941	83	54852	20.414	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	46699m	20.337	ug/l		
77) Bromobenzene	12.976	156	40419	18.677	ug/l		96
78) n-propylbenzene	13.035	91	178621	18.935	ug/l		98
79) 2-Chlorotoluene	13.123	91	117308	19.032	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	132819	19.907	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	18261m	18.867	ug/l		
82) 4-Chlorotoluene	13.218	91	119090	18.359	ug/l		98
83) tert-Butylbenzene	13.435	119	112021	20.287	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	138540	20.119	ug/l		98
85) sec-Butylbenzene	13.618	105	149002	19.103	ug/l		100
86) p-Isopropyltoluene	13.729	119	123982	19.382	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	73769	17.467	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	72532	18.009	ug/l		99
89) n-Butylbenzene	14.059	91	102739	17.170	ug/l		99
90) Hexachloroethane	14.335	117	25263	17.709	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	73040	17.997	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11216	20.605	ug/l		95
93) 1,2,4-Trichlorobenzene	15.394	180	35527	15.994	ug/l		98
94) Hexachlorobutadiene	15.500	225	16423	16.836	ug/l		96
95) Naphthalene	15.641	128	117662	17.697	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	35531	16.478	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084964.D
Acq On : 20 Nov 2024 13:20
Operator : JC\MD
Sample : VN1120WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 21 00:36:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084964.D
Acq On : 20 Nov 2024 13:20
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
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ClientSampleId :
VN1120WBS02

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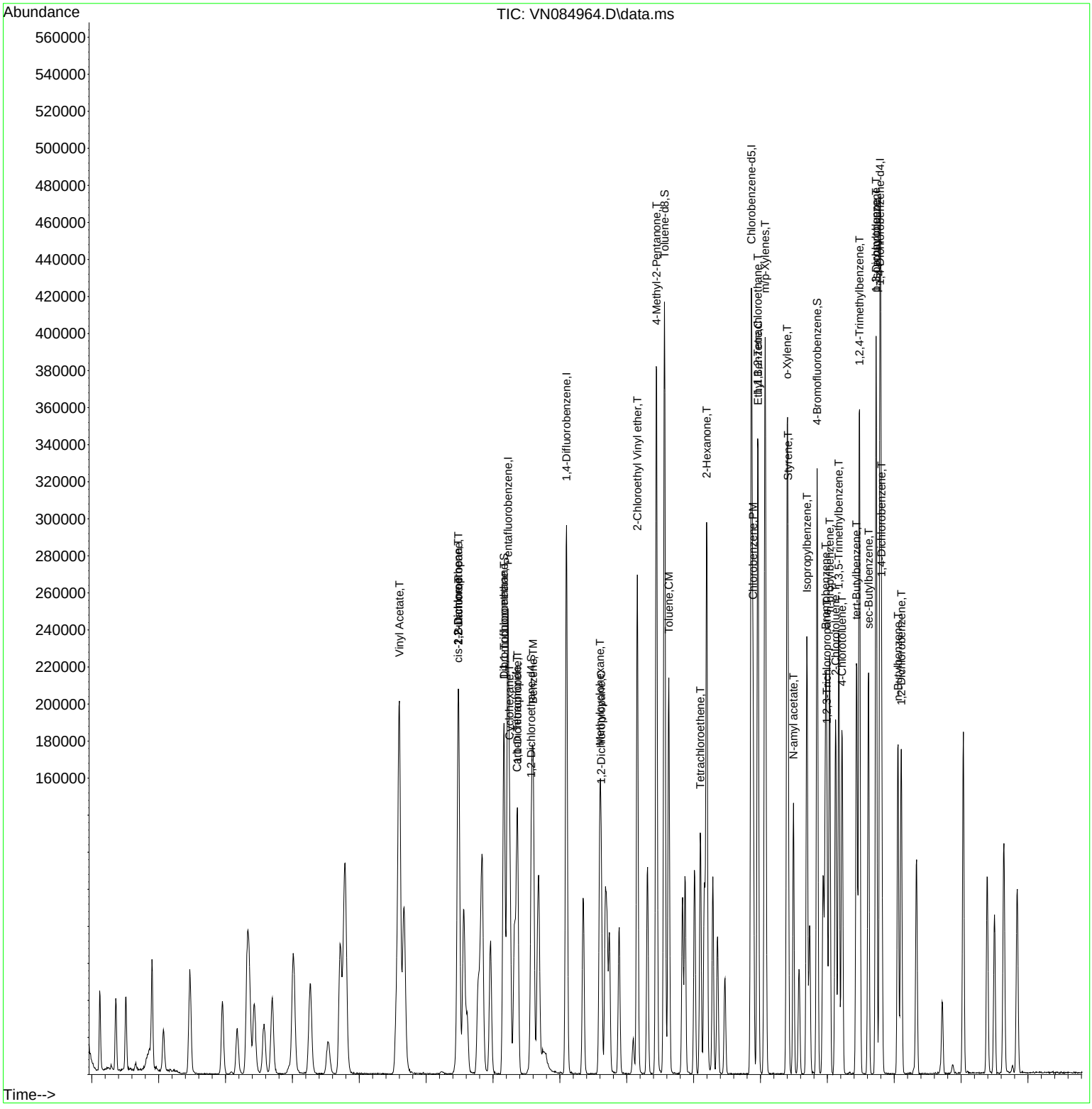
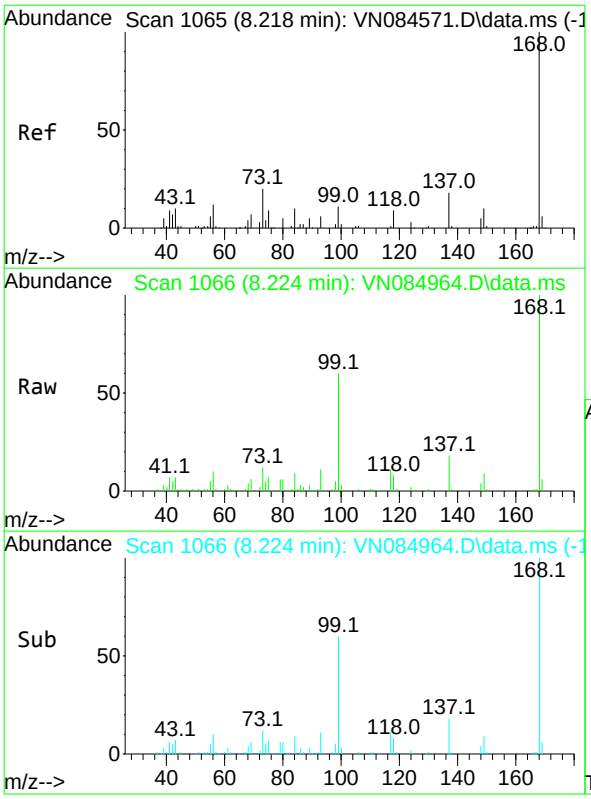
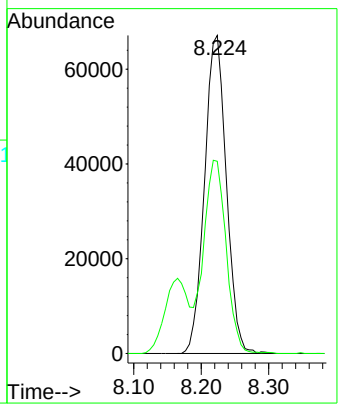




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:168 Resp: 150630

Ion	Ratio	Lower	Upper
168	100		
99	60.4	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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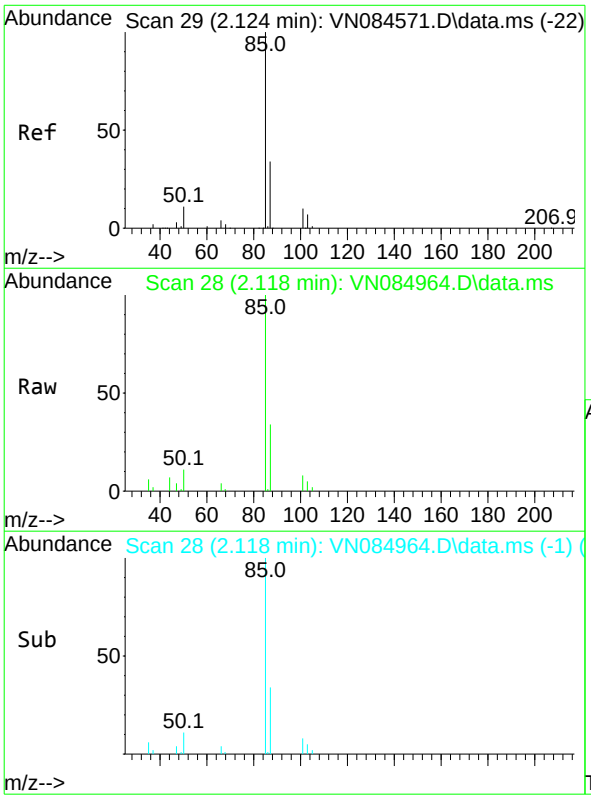
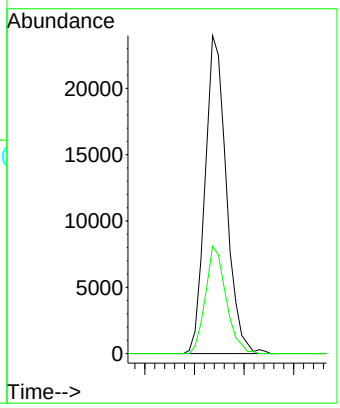
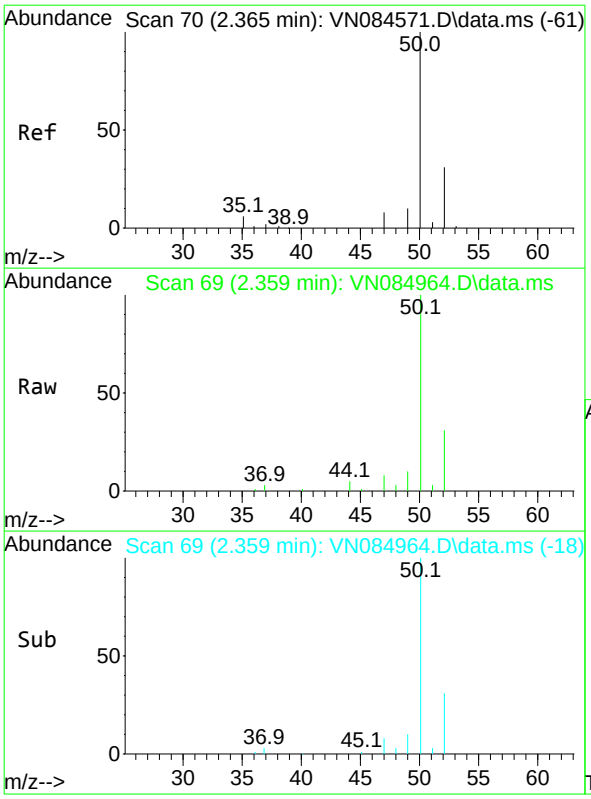


#2
Dichlorodifluoromethane
Concen: 20.569 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 85 Resp: 35618

Ion	Ratio	Lower	Upper
85	100		
87	33.8	17.6	52.9

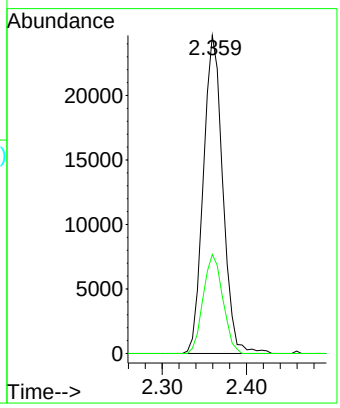




#3
Chloromethane
Concen: 17.764 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 50 Resp: 39396

Ion	Ratio	Lower	Upper
50	100		
52	31.1	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Manual Integrations
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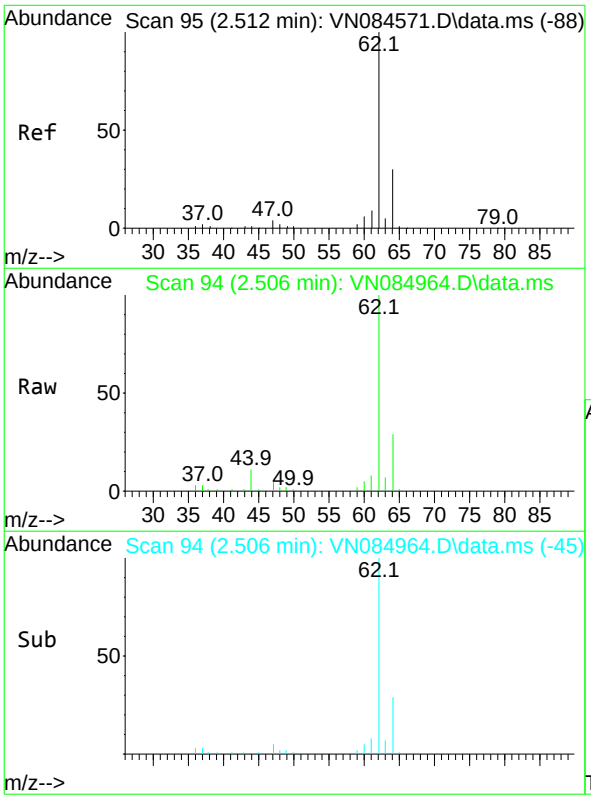
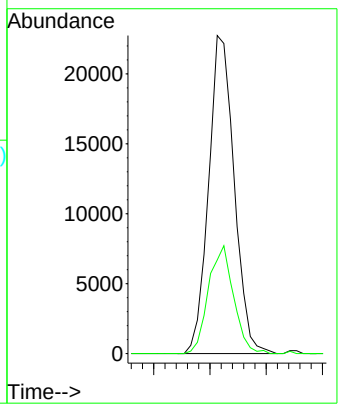
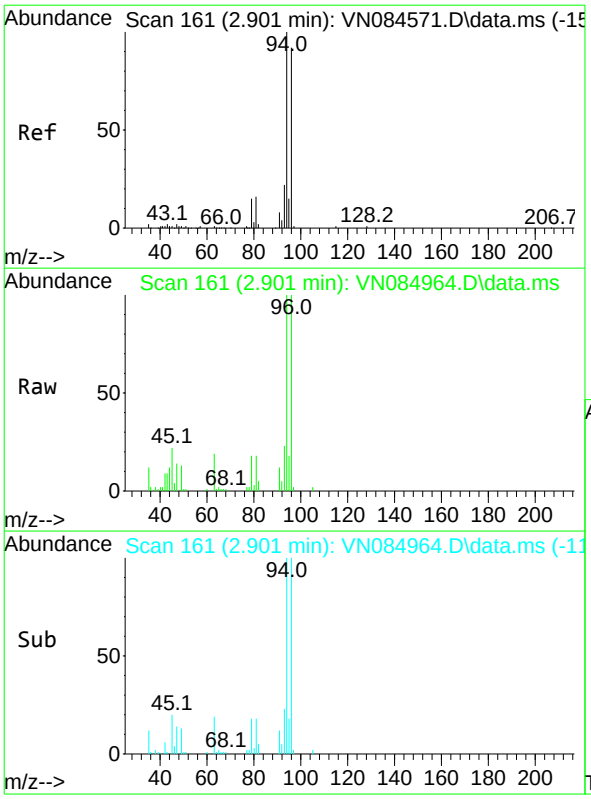


#4
Vinyl Chloride
Concen: 19.293 ug/l
RT: 2.506 min Scan# 94
Delta R.T. -0.012 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 62 Resp: 35932

Ion	Ratio	Lower	Upper
62	100		
64	29.4	26.2	39.4

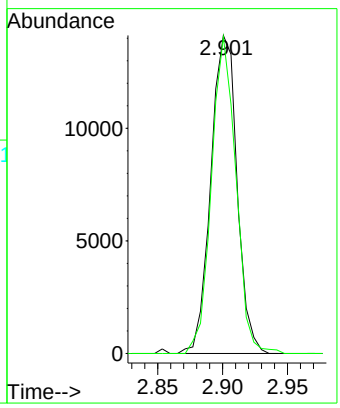




#5
Bromomethane
Concen: 20.124 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.052 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 94 Resp: 19858

Ion	Ratio	Lower	Upper
94	100		
96	99.6	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Manual Integrations
APPROVED

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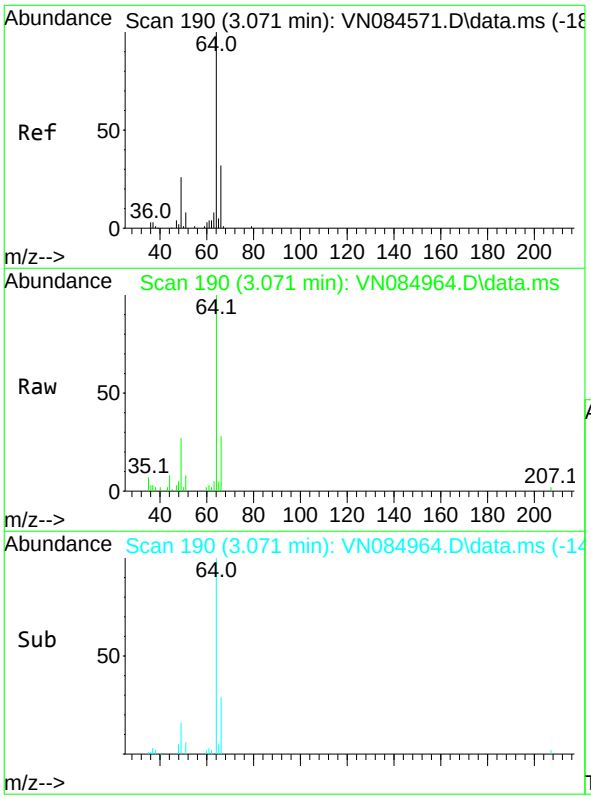
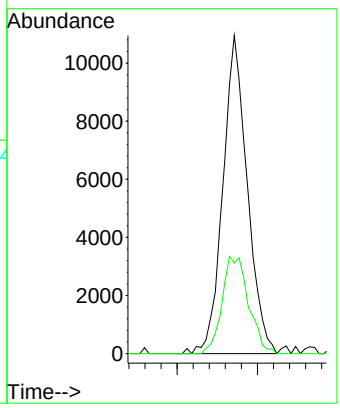
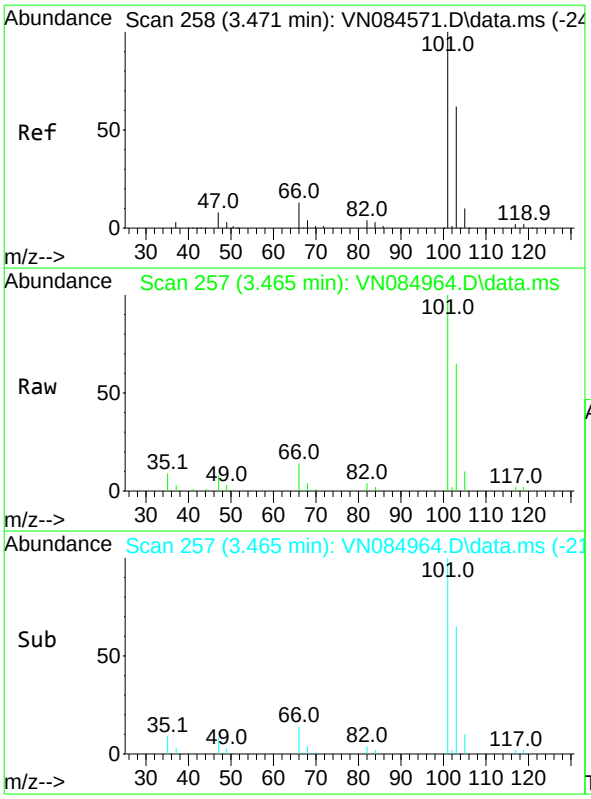


#6
Chloroethane
Concen: 19.201 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.047 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 64 Resp: 23127

Ion	Ratio	Lower	Upper
64	100		
66	28.5	23.5	35.3

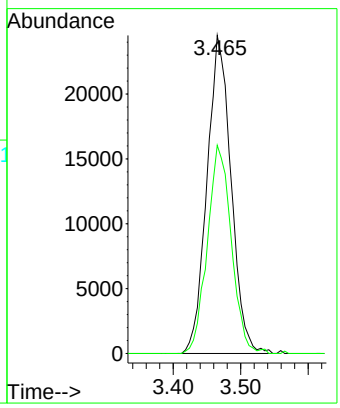




#7
Trichlorofluoromethane
Concen: 19.818 ug/l
RT: 3.465 min Scan# 25
Delta R.T. -0.030 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:101 Resp: 60800

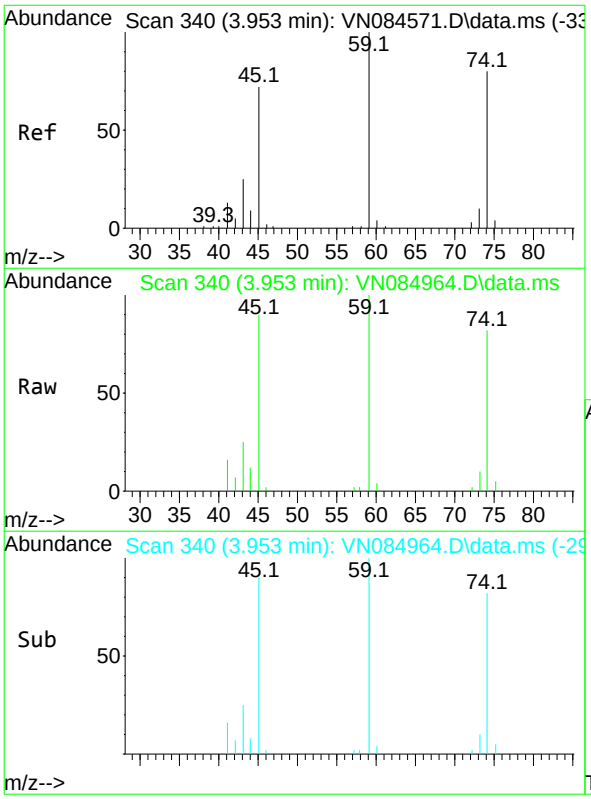
Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Manual Integrations APPROVED

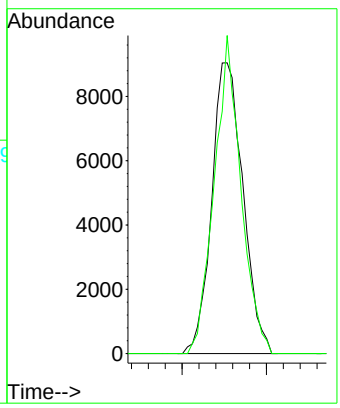
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

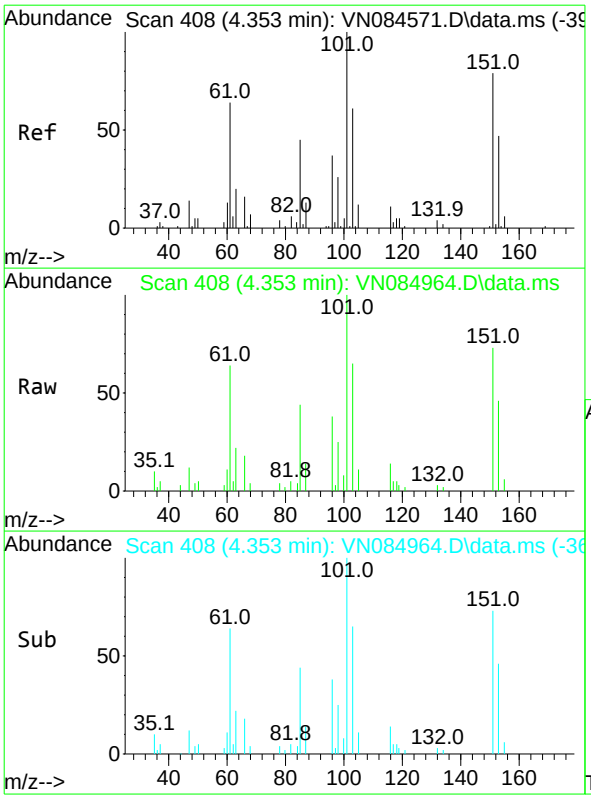


#8
Diethyl Ether
Concen: 21.494 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 74 Resp: 23262

Ion	Ratio	Lower	Upper
74	100		
45	93.5	47.7	143.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.624 ug/l
RT: 4.353 min Scan# 40
Delta R.T. -0.018 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:101 Resp: 34019

Ion	Ratio	Lower	Upper
101	100		
85	46.1	36.2	54.4
151	76.0	59.3	88.9

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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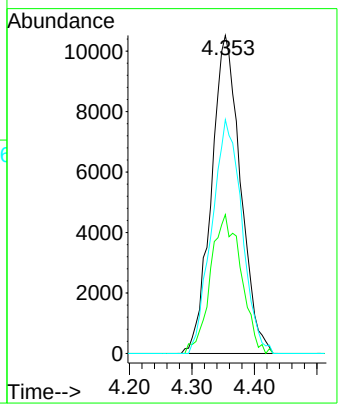
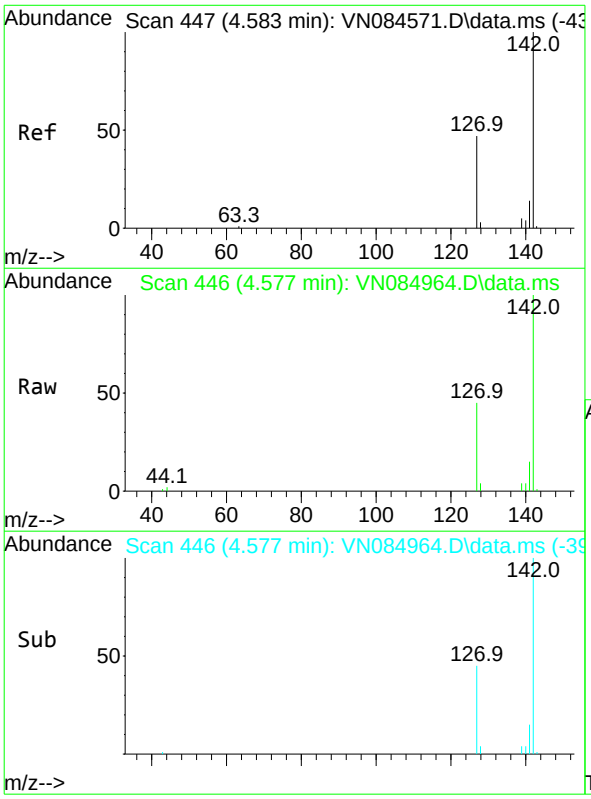
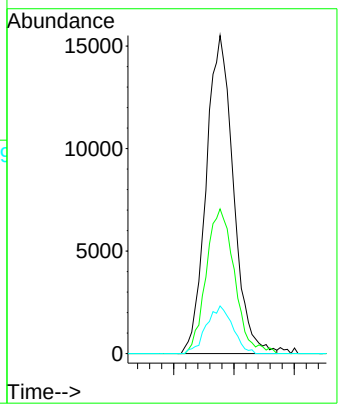


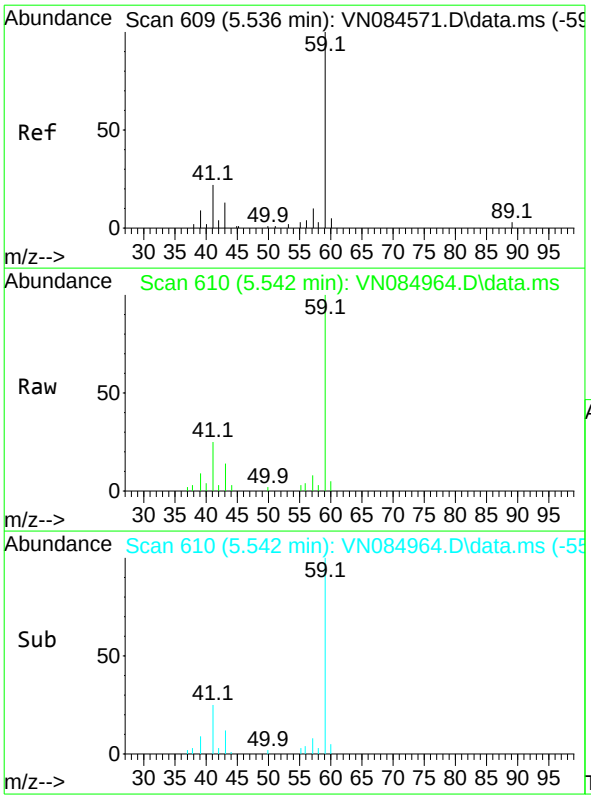


#10
Methyl Iodide
Concen: 20.971 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:142 Resp: 48587

Ion	Ratio	Lower	Upper
142	100		
127	45.5	35.3	52.9
141	15.0	11.0	16.6

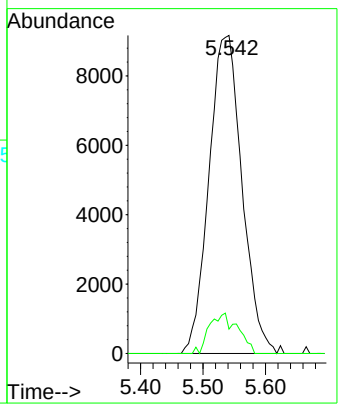




#11
Tert butyl alcohol
Concen: 117.336 ug/l
RT: 5.542 min Scan# 61
Delta R.T. 0.018 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 59 Resp: 33696

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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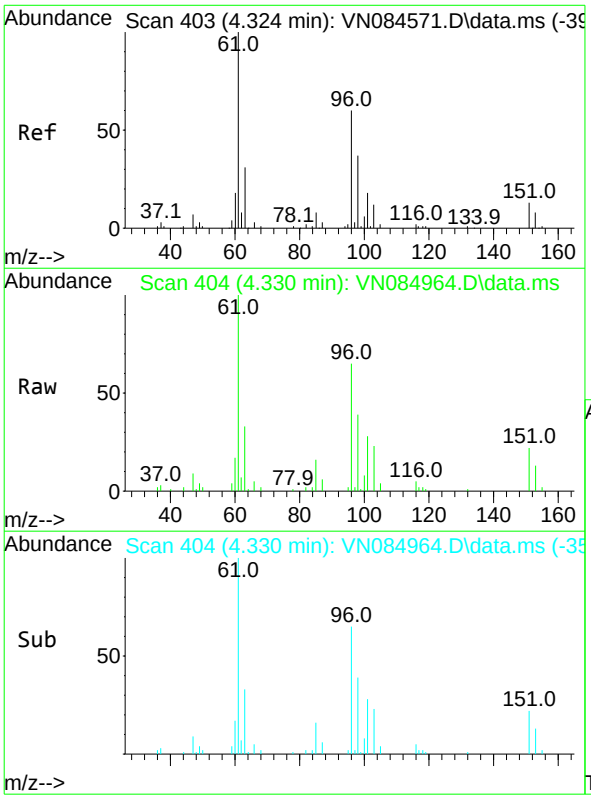
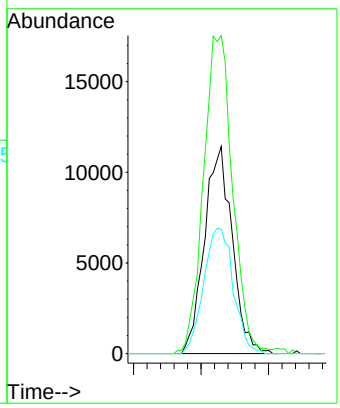
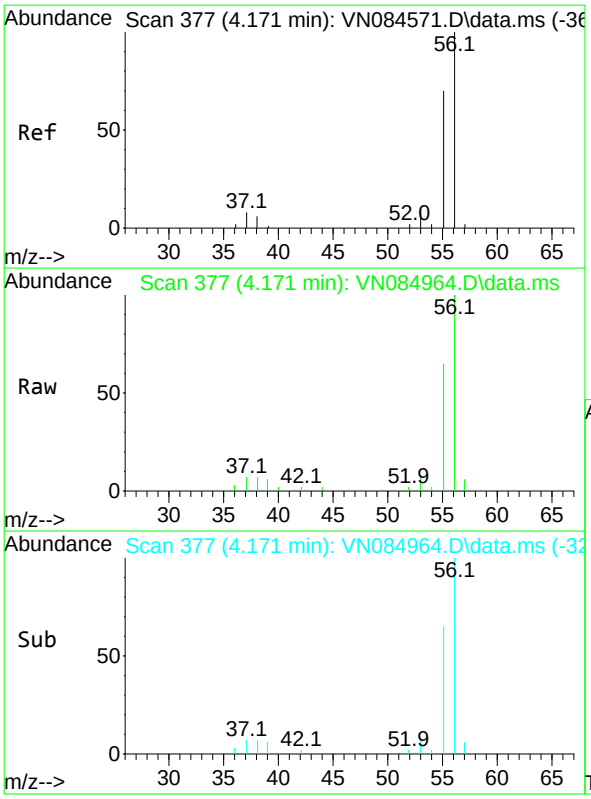


#12
1,1-Dichloroethene
Concen: 19.034 ug/l
RT: 4.330 min Scan# 404
Delta R.T. -0.012 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 96 Resp: 32651

Ion	Ratio	Lower	Upper
96	100		
61	152.2	128.6	192.8
98	60.1	51.7	77.5

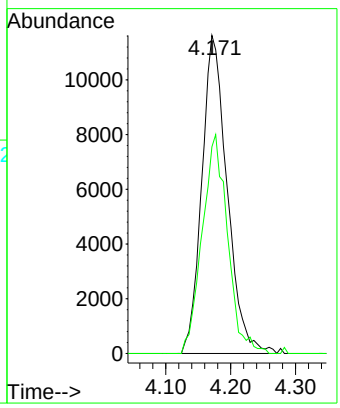




#13
Acrolein
Concen: 110.120 ug/l
RT: 4.171 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 56 Resp: 31534

Ion	Ratio	Lower	Upper
56	100		
55	69.0	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
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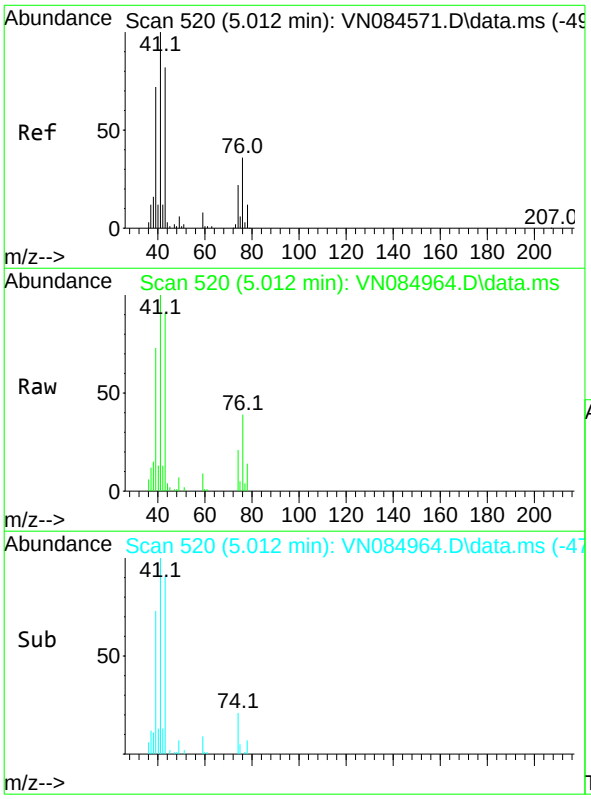
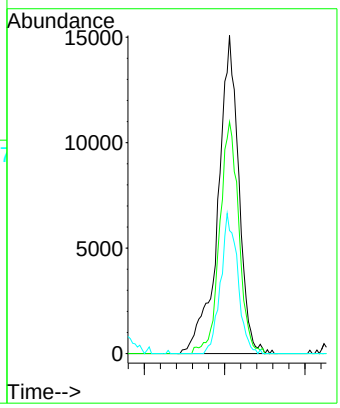
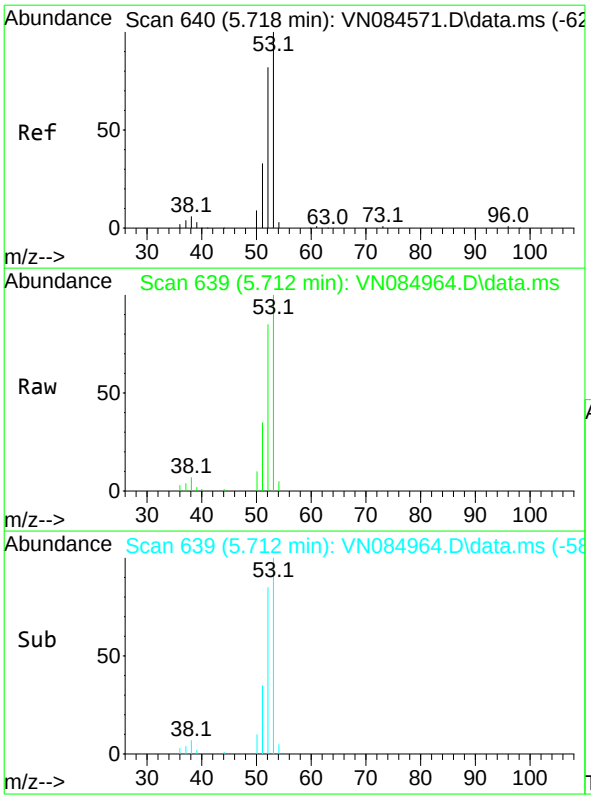


#14
Allyl chloride
Concen: 19.519 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 41 Resp: 54299

Ion	Ratio	Lower	Upper
41	100		
39	66.8	59.0	88.6
76	36.0	29.8	44.6

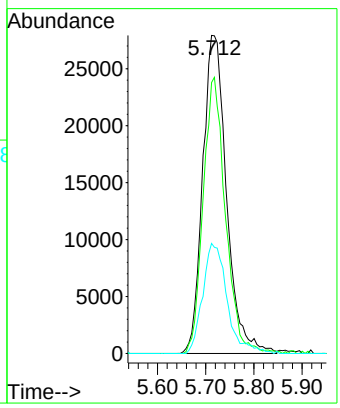




#15
Acrylonitrile
Concen: 115.780 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 53 Resp: 96254

Ion	Ratio	Lower	Upper
53	100		
52	80.9	66.2	99.4
51	35.2	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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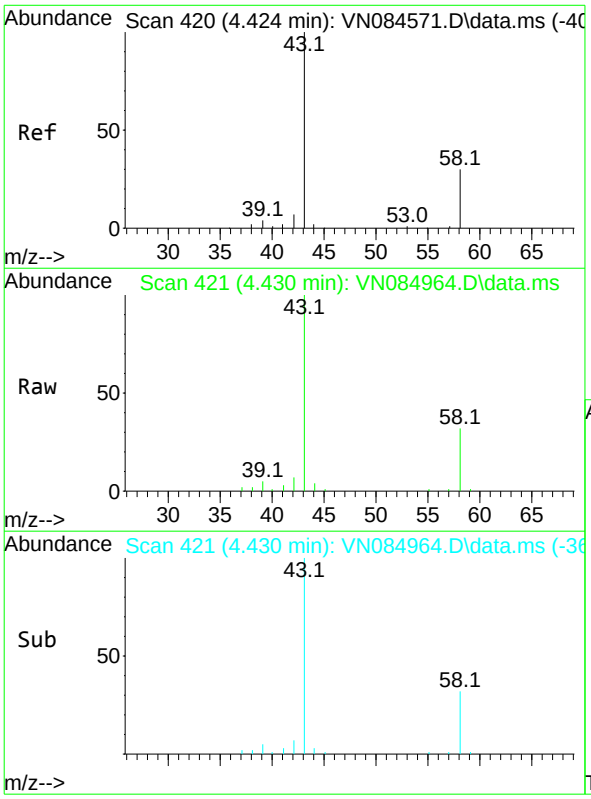
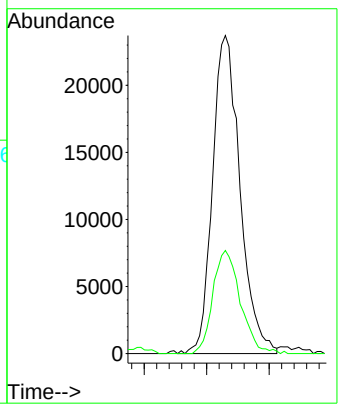
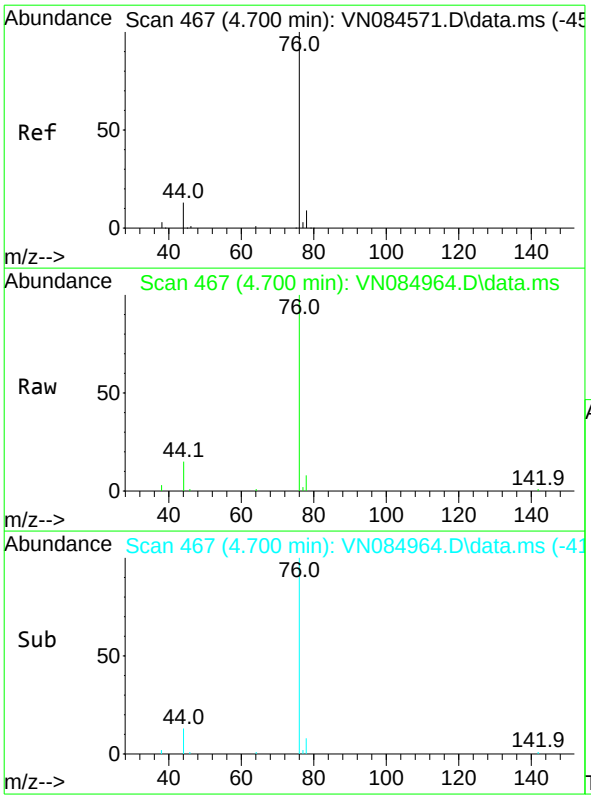


#16
Acetone
Concen: 113.647 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 43 Resp: 72399

Ion	Ratio	Lower	Upper
43	100		
58	32.4	24.4	36.6

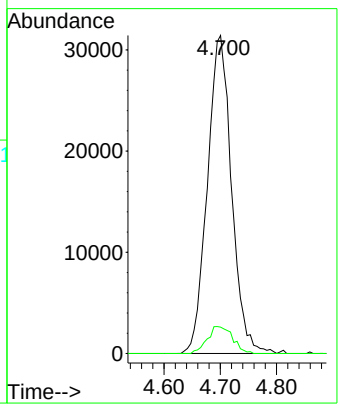




#17
Carbon Disulfide
Concen: 17.787 ug/l
RT: 4.700 min Scan# 46
Delta R.T. -0.012 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 76 Resp: 93961

Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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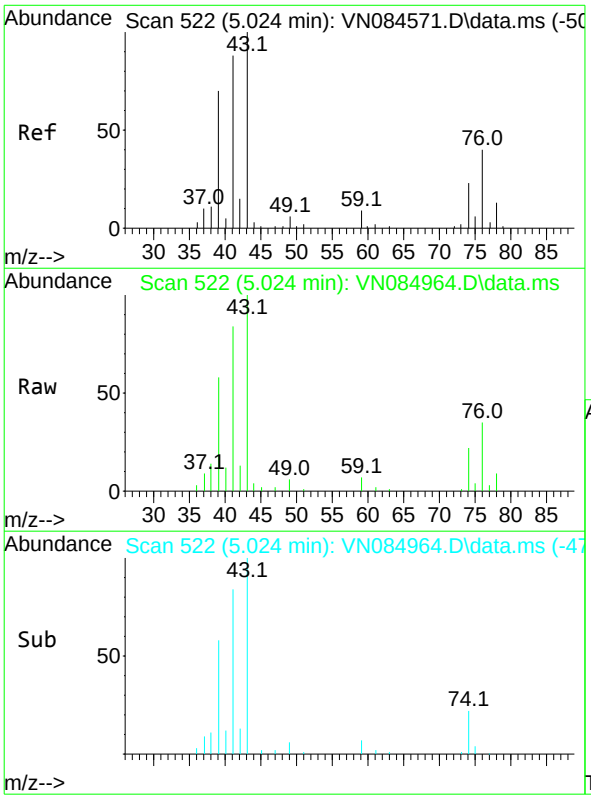
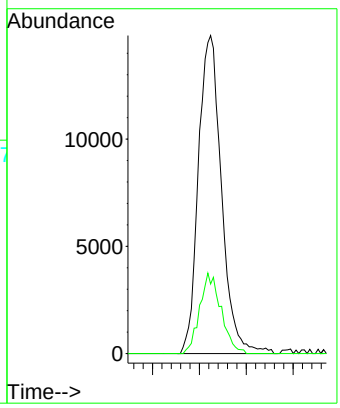
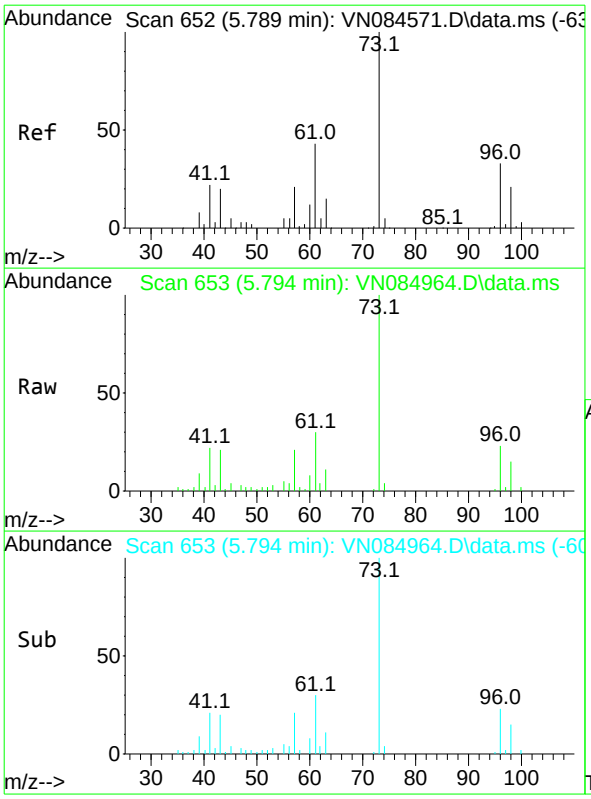


#18
Methyl Acetate
Concen: 19.700 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 43 Resp: 50778

Ion	Ratio	Lower	Upper
43	100		
74	23.3	19.2	28.8

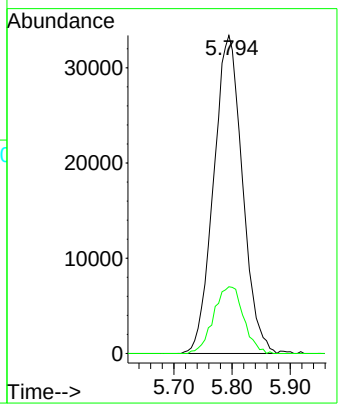




#19
Methyl tert-butyl Ether
Concen: 21.839 ug/l
RT: 5.794 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 73 Resp: 114824

Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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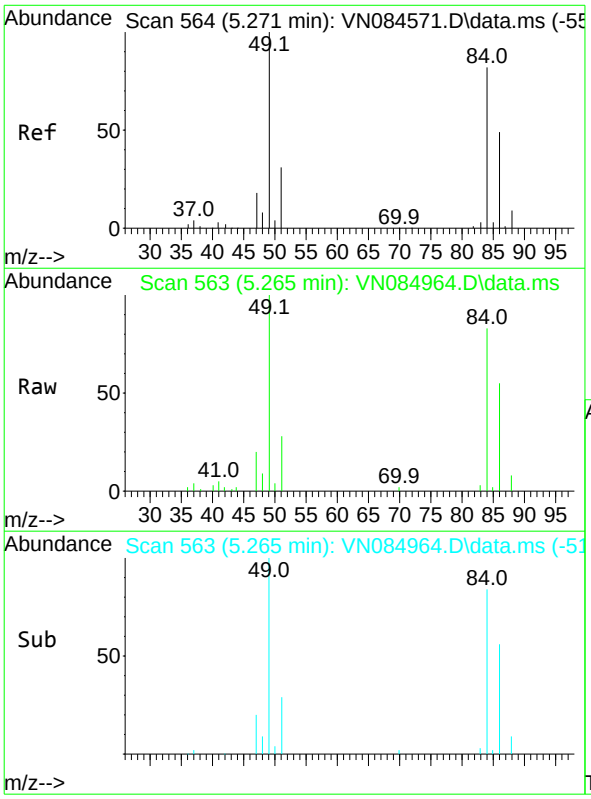
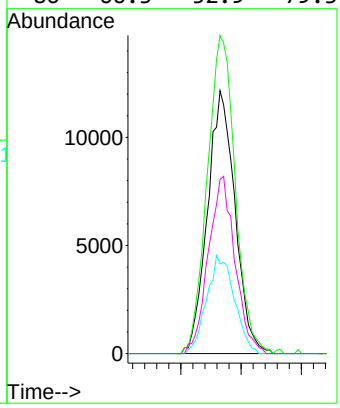
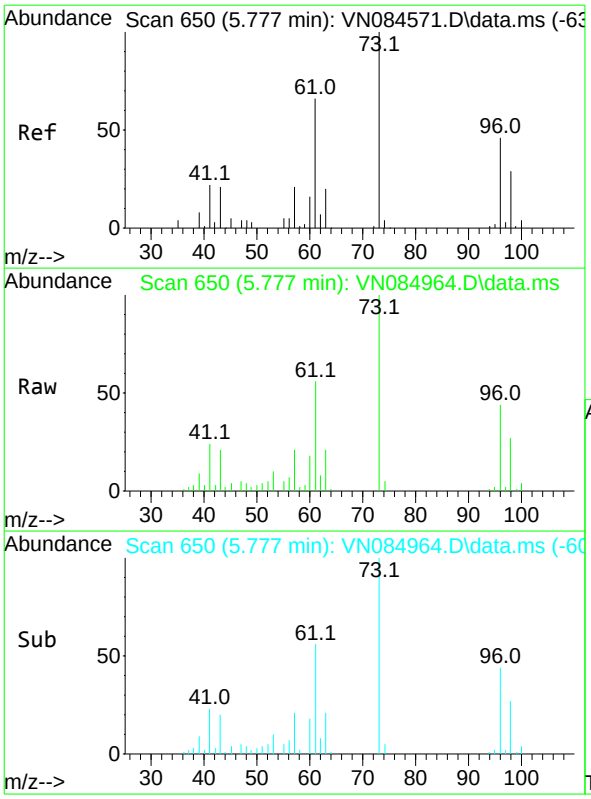


#20
Methylene Chloride
Concen: 20.210 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 84 Resp: 38672

Ion	Ratio	Lower	Upper
84	100		
49	121.0	107.2	160.8
51	34.1	31.8	47.8
86	66.3	52.9	79.3

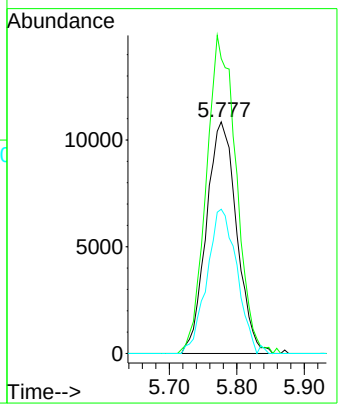




#21
trans-1,2-Dichloroethene
Concen: 19.216 ug/l
RT: 5.777 min Scan# 65
Delta R.T. -0.012 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 96 Resp: 33847

Ion	Ratio	Lower	Upper
96	100		
61	127.3	108.4	162.6
98	62.3	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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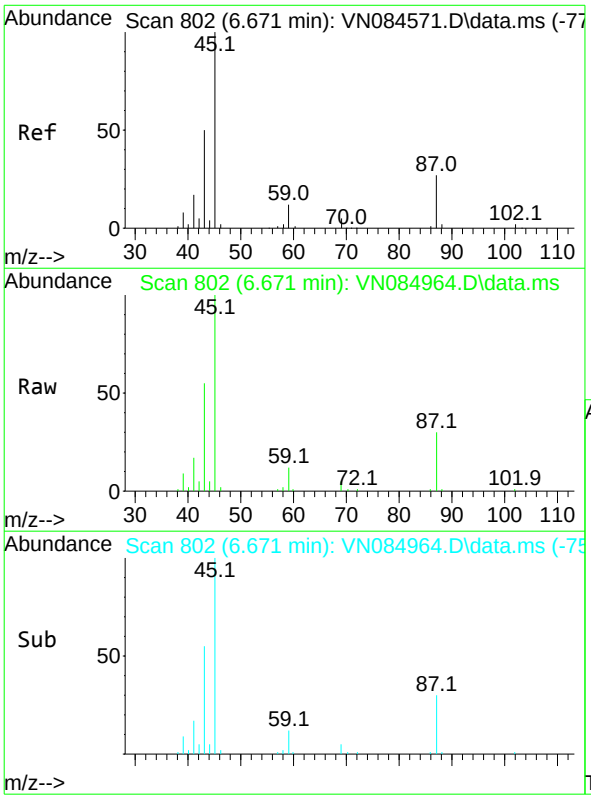
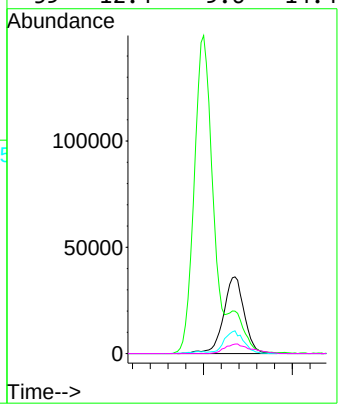
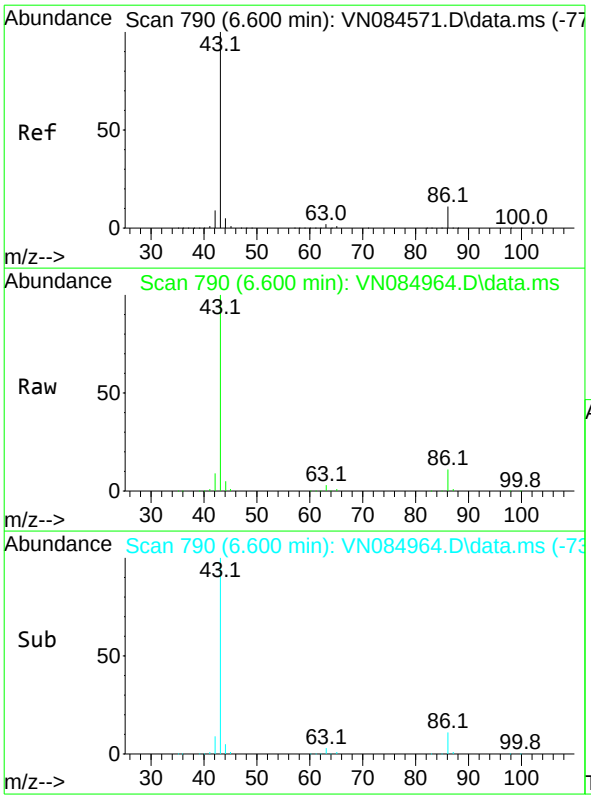


#22
Diisopropyl ether
Concen: 21.141 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 45 Resp: 116859

Ion	Ratio	Lower	Upper
45	100		
43	54.4	42.3	63.5
87	29.7	21.8	32.6
59	12.4	9.6	14.4

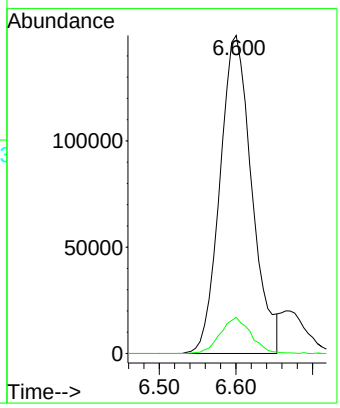




#23
Vinyl Acetate
Concen: 113.548 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 43 Resp: 432838

Ion	Ratio	Lower	Upper
43	100		
86	11.3	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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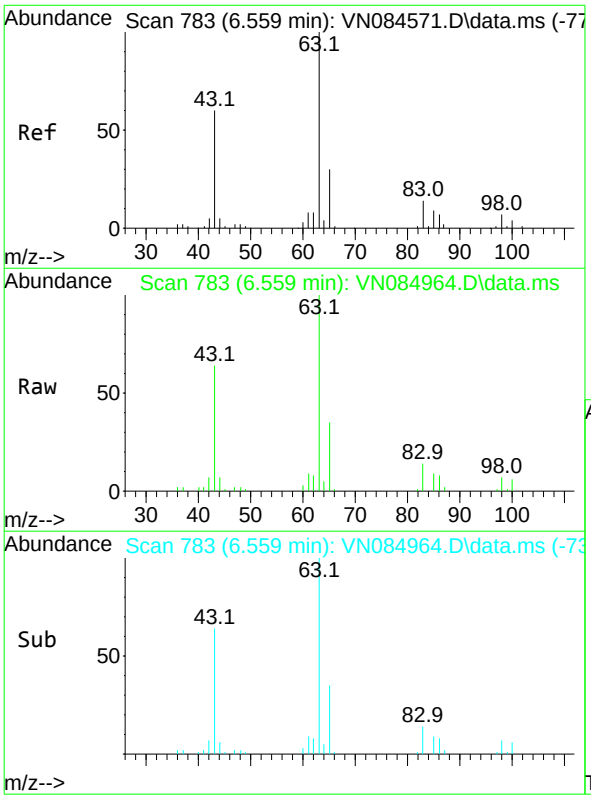
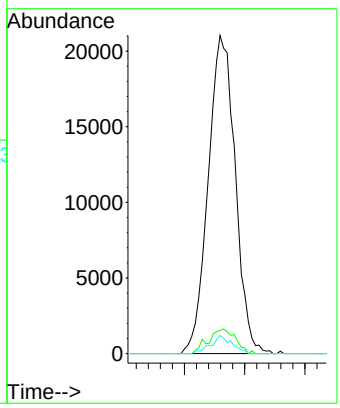
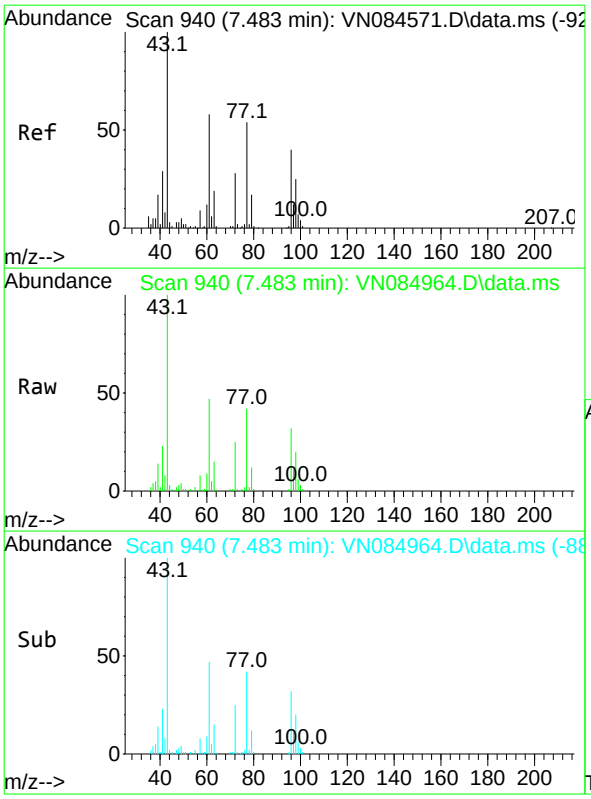


#24
1,1-Dichloroethane
Concen: 19.757 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 63 Resp: 65568

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.2
100	5.7	2.0	5.8

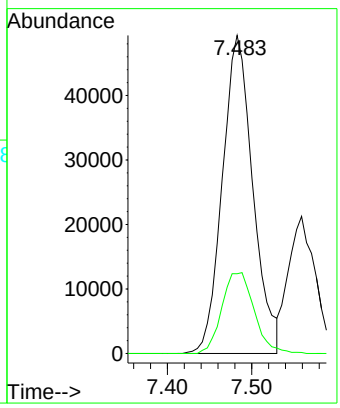




#25
2-Butanone
Concen: 122.382 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 43 Resp: 124217

Ion	Ratio	Lower	Upper
43	100		
72	25.1	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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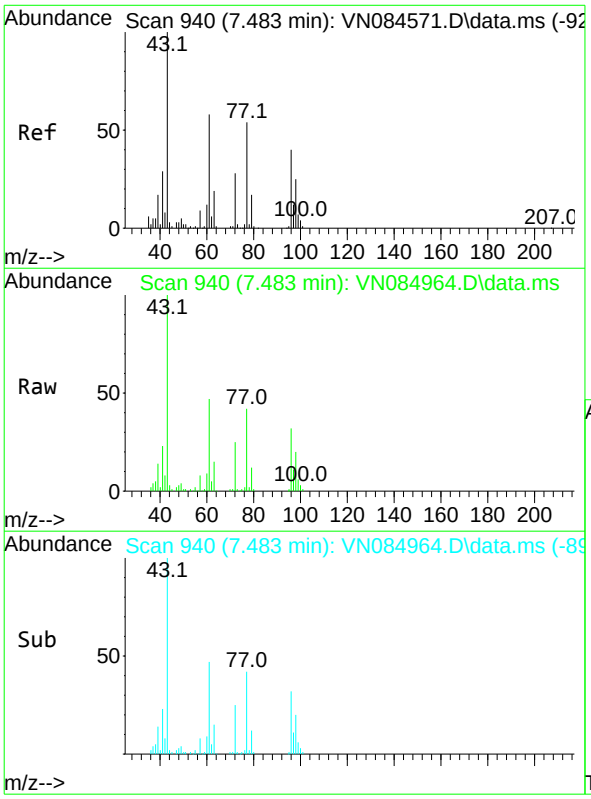
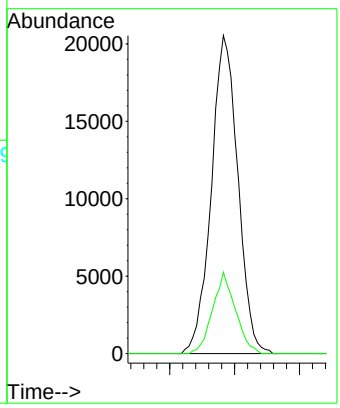
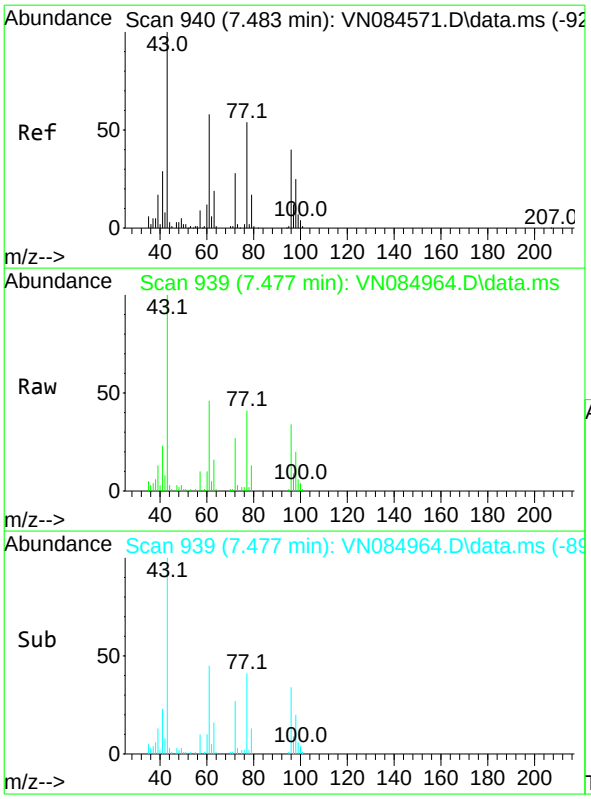


#26
2,2-Dichloropropane
Concen: 20.214 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 77 Resp: 58388

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.8	32.3

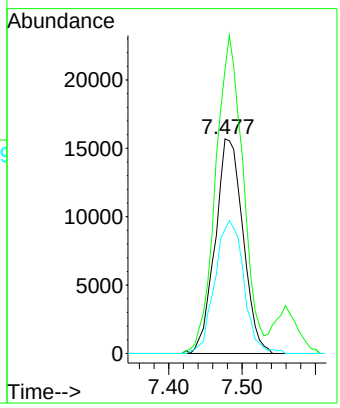




#27
cis-1,2-Dichloroethene
Concen: 20.114 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.012 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 96 Resp: 41367

Ion	Ratio	Lower	Upper
96	100		
61	145.7	0.0	301.8
98	64.2	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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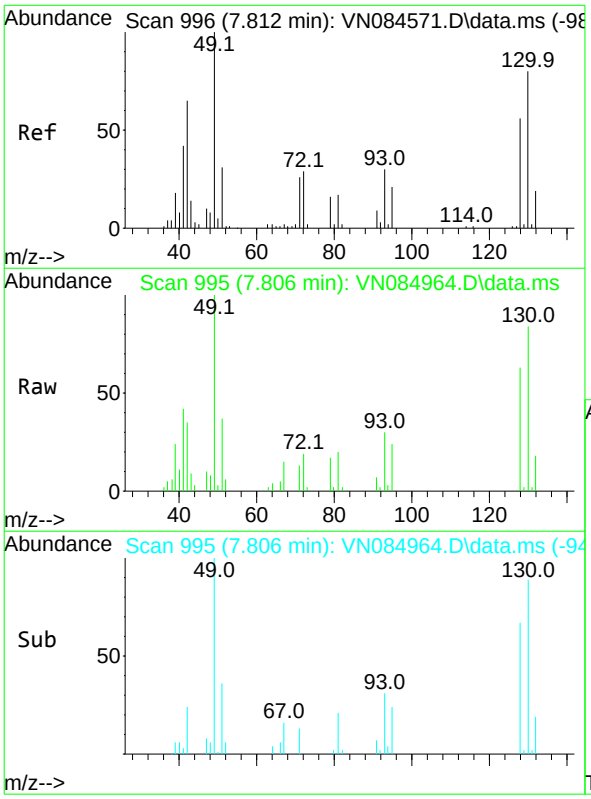
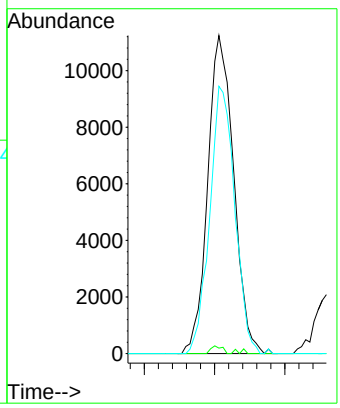
Supervised By :Mahesh Dadoda 11/21/2024

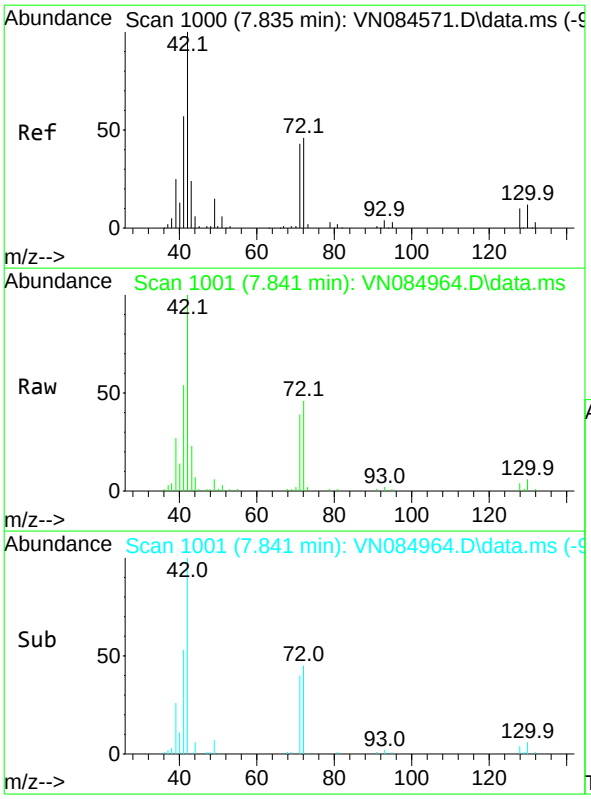


#28
Bromochloromethane
Concen: 21.817 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 49 Resp: 28846

Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.6
130	81.1	58.0	87.0

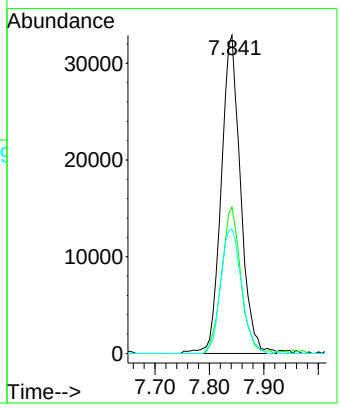




#29
Tetrahydrofuran
Concen: 120.782 ug/l
RT: 7.841 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 42 Resp: 81330

Ion	Ratio	Lower	Upper
42	100		
72	45.8	34.6	51.8
71	42.4	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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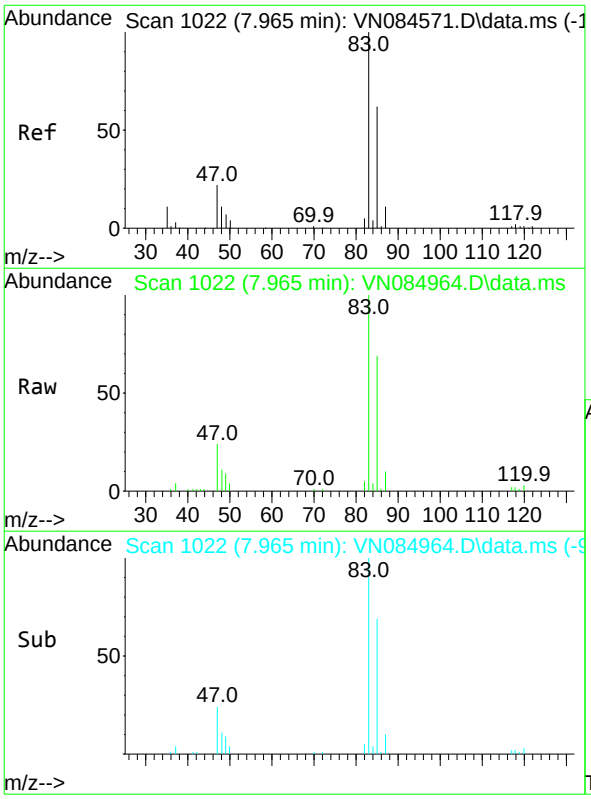
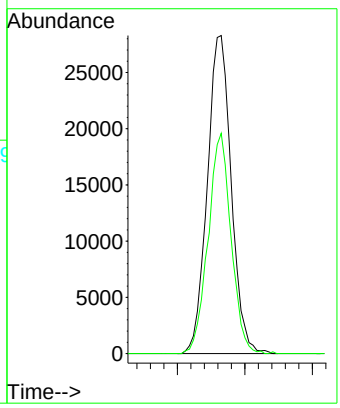
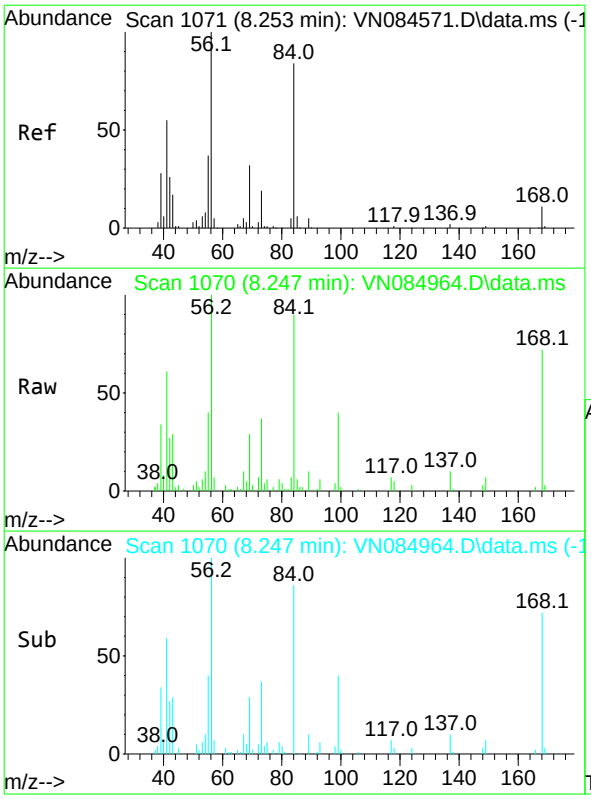


#30
Chloroform
Concen: 20.634 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 83 Resp: 69698

Ion	Ratio	Lower	Upper
83	100		
85	69.3	51.0	76.4

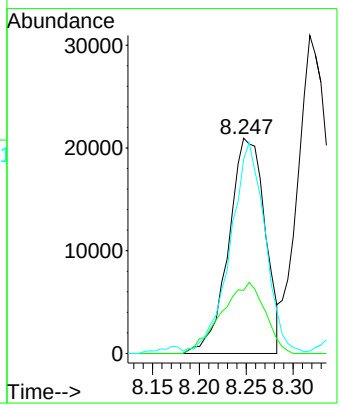




#31
Cyclohexane
Concen: 18.794 ug/l
RT: 8.247 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 56 Resp: 56449

Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.8	35.6
84	87.3	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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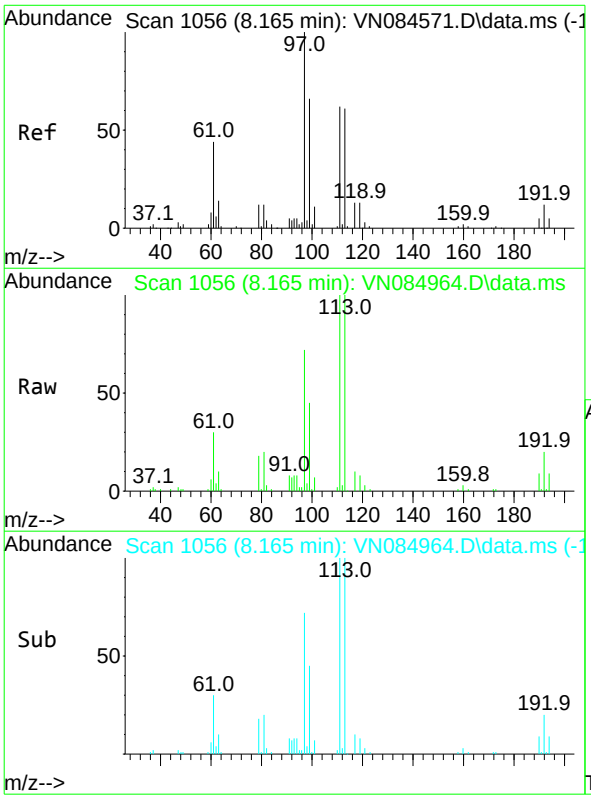
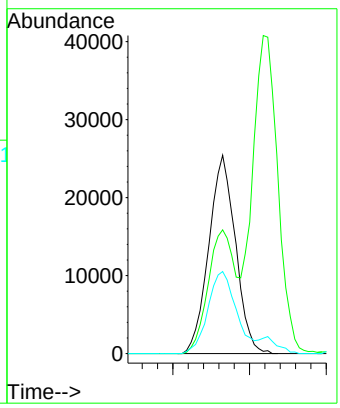
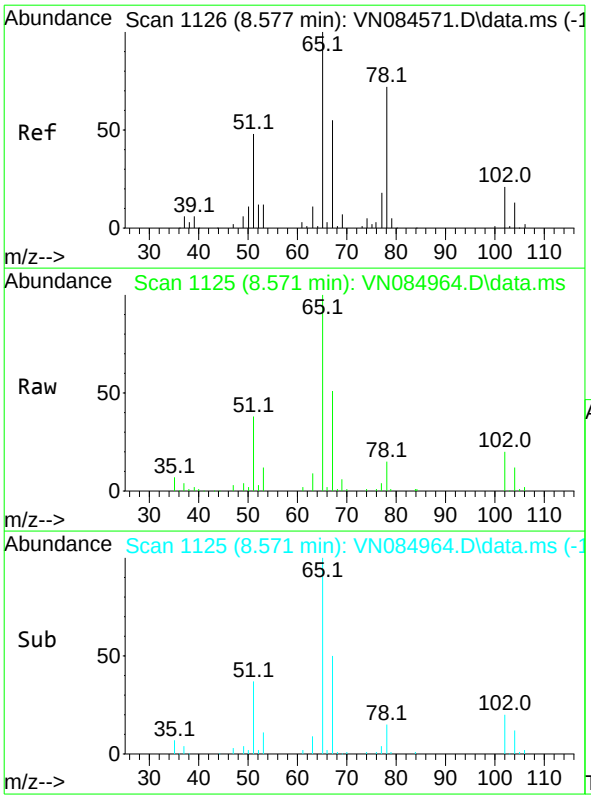


#32
1,1,1-Trichloroethane
Concen: 20.005 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 97 Resp: 61504

Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.2	76.8
61	43.9	37.5	56.3

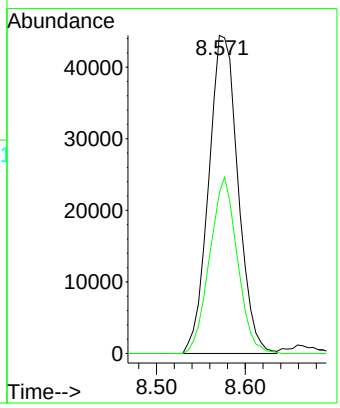




#33
1,2-Dichloroethane-d4
Concen: 46.923 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 65 Resp: 102086

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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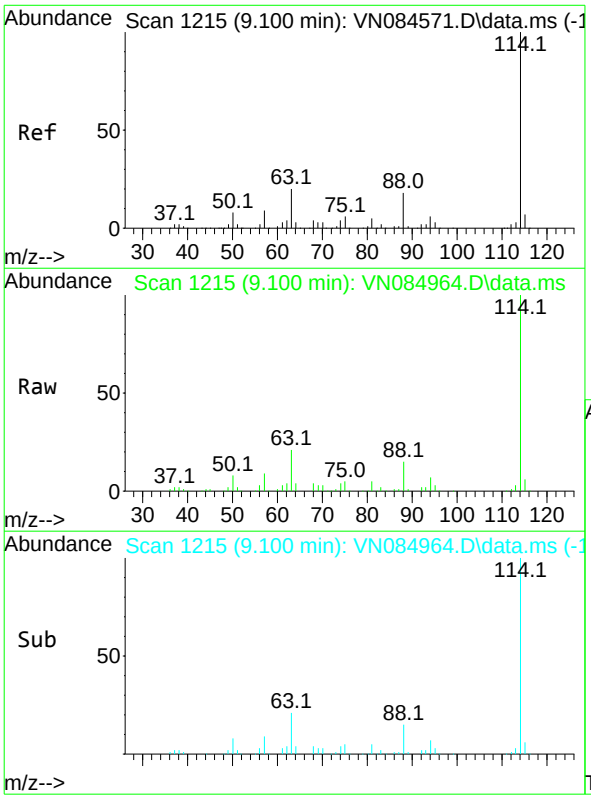
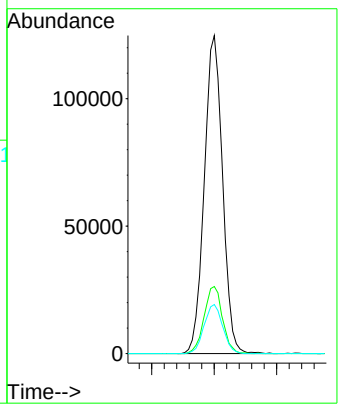
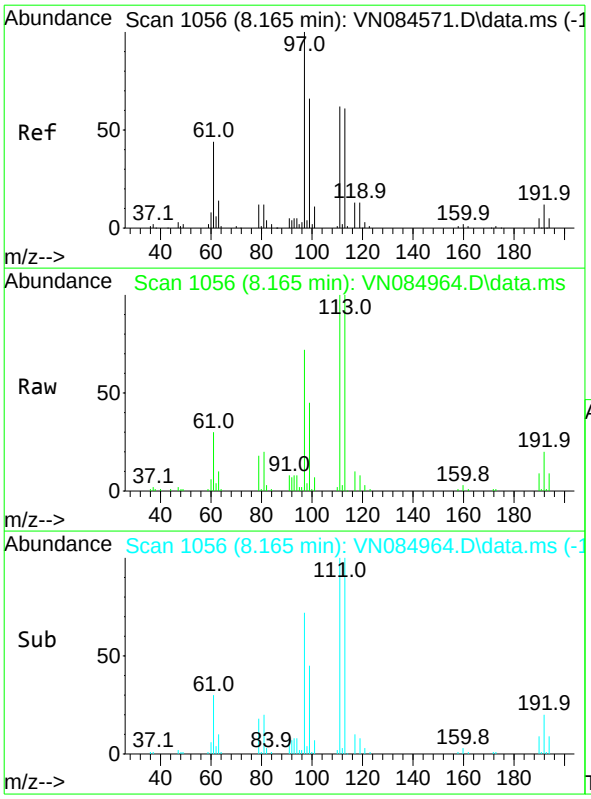


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:114 Resp: 253557

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	43.8
88	15.4	0.0	31.6

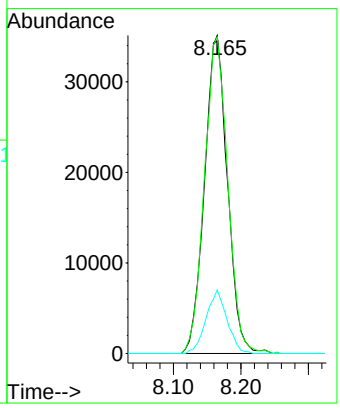




#35
Dibromofluoromethane
Concen: 48.295 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:113 Resp: 82888

Ion	Ratio	Lower	Upper
113	100		
111	101.3	83.3	124.9
192	18.2	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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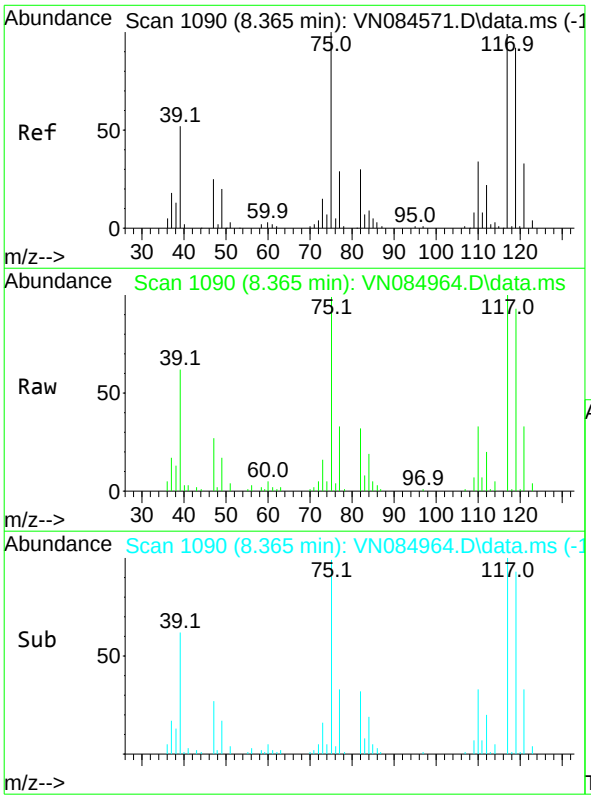
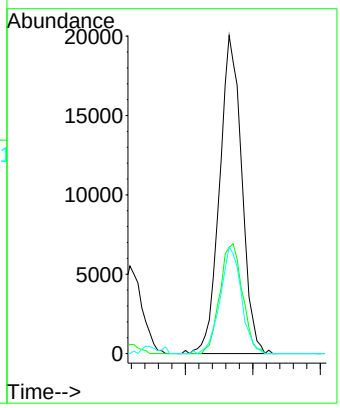
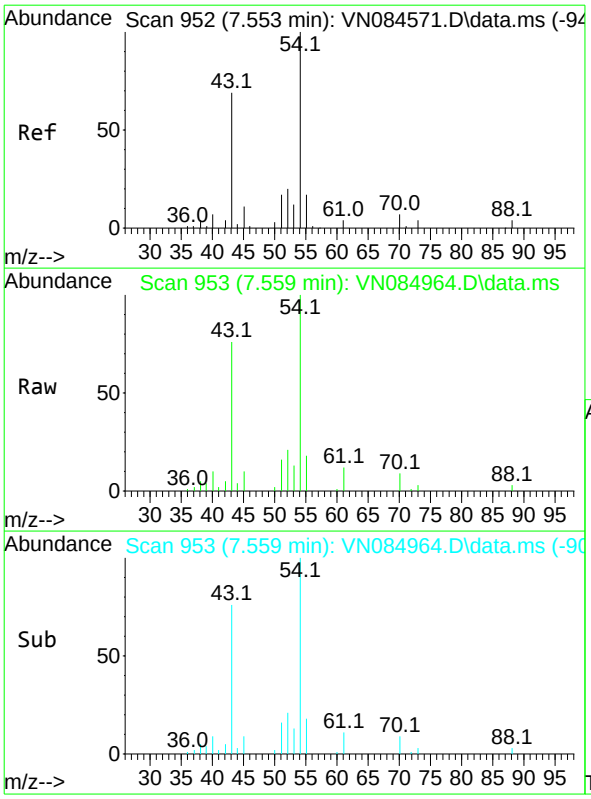


#36
1,1-Dichloropropene
Concen: 19.205 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 75 Resp: 45714

Ion	Ratio	Lower	Upper
75	100		
110	35.1	16.9	50.7
77	32.2	24.7	37.1

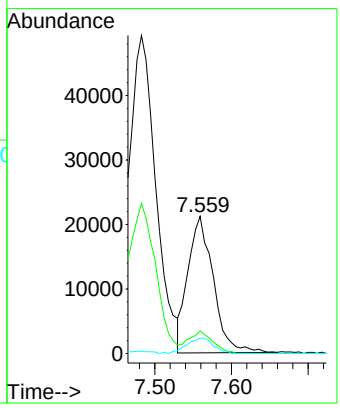




#37
Ethyl Acetate
Concen: 22.479 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 43 Resp: 48545

Ion	Ratio	Lower	Upper
43	100		
61	16.0	10.7	16.1
70	11.9	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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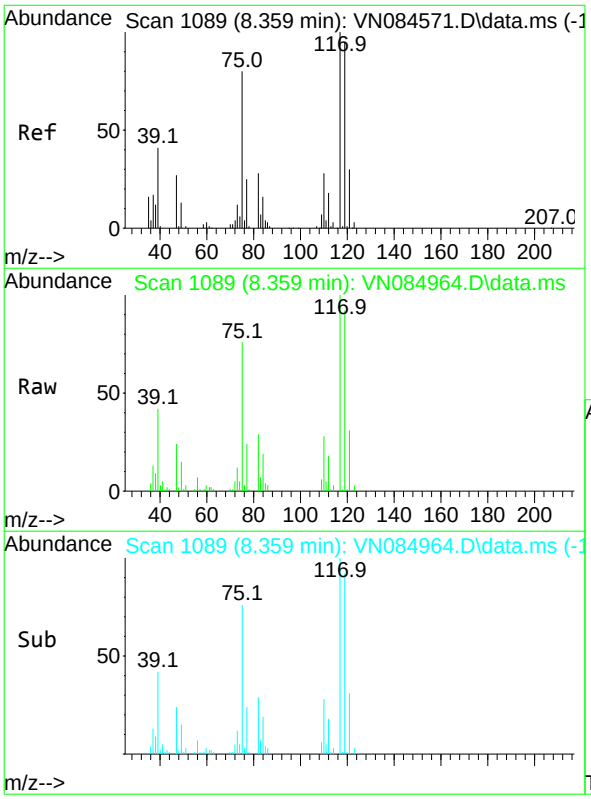
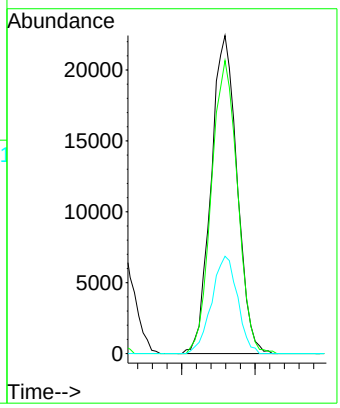
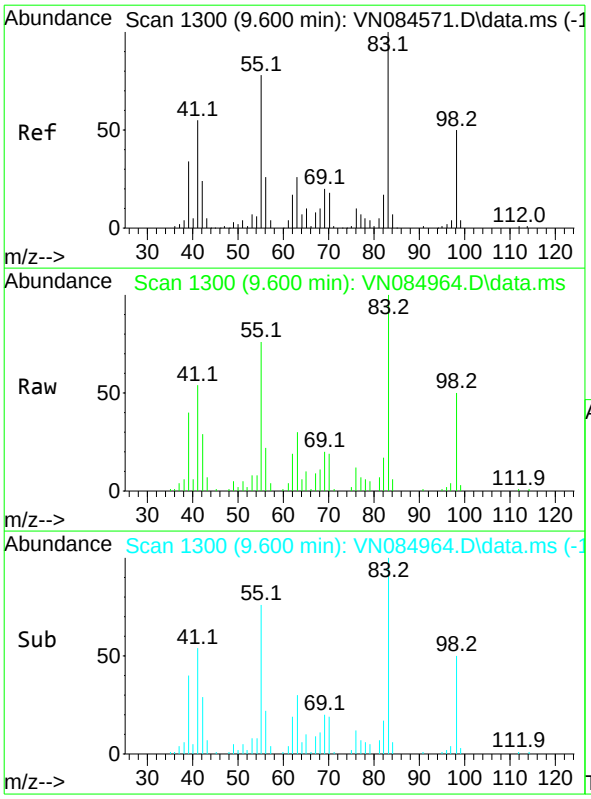


#38
Carbon Tetrachloride
Concen: 20.767 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:117 Resp: 55251

Ion	Ratio	Lower	Upper
117	100		
119	92.2	78.7	118.1
121	30.6	24.4	36.6

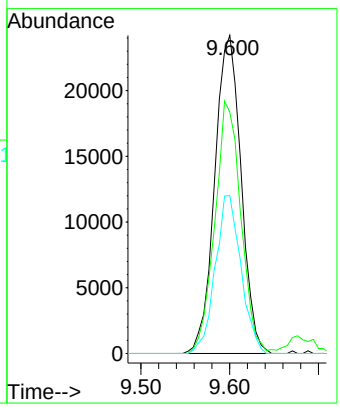




#39
Methylcyclohexane
Concen: 20.595 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 83 Resp: 49871

Ion	Ratio	Lower	Upper
83	100		
55	75.9	62.8	94.2
98	49.6	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
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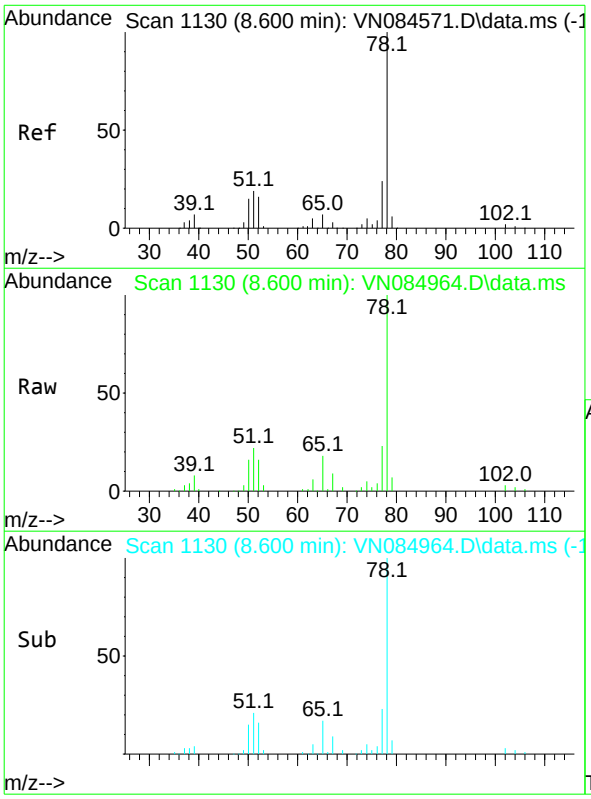
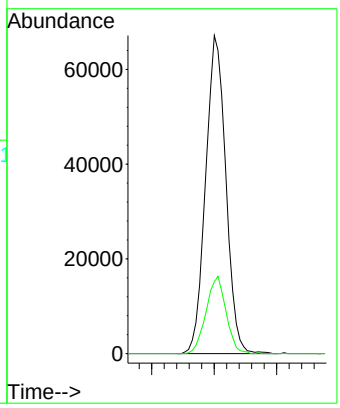
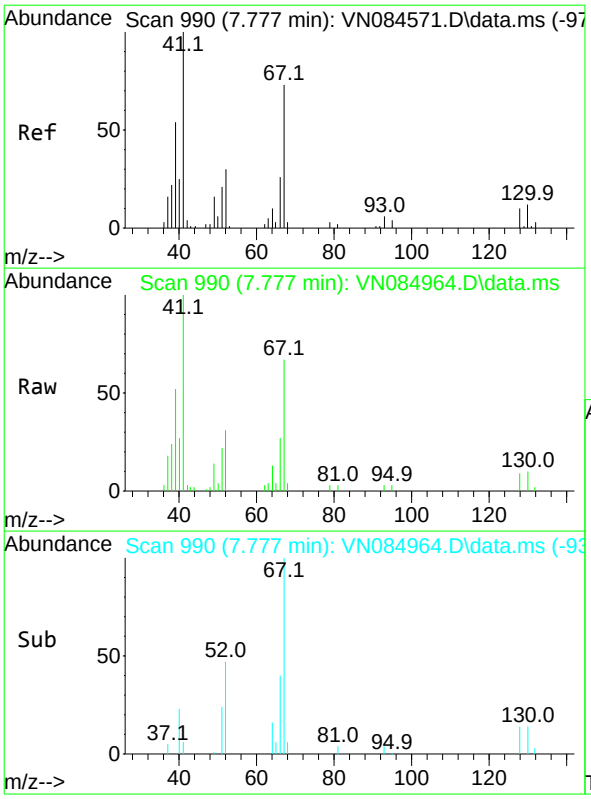


#40
Benzene
Concen: 19.761 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 78 Resp: 151055

Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.1	28.7

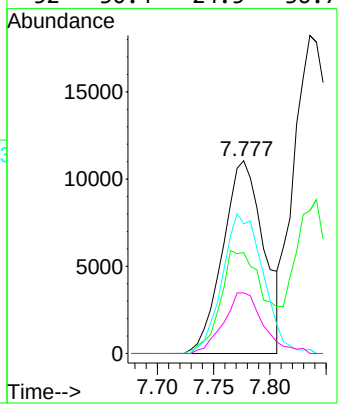




#41
Methacrylonitrile
Concen: 24.151 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 41 Resp: 28047

Ion	Ratio	Lower	Upper
41	100		
39	55.7	43.3	64.9
67	72.3	56.1	84.1
52	30.4	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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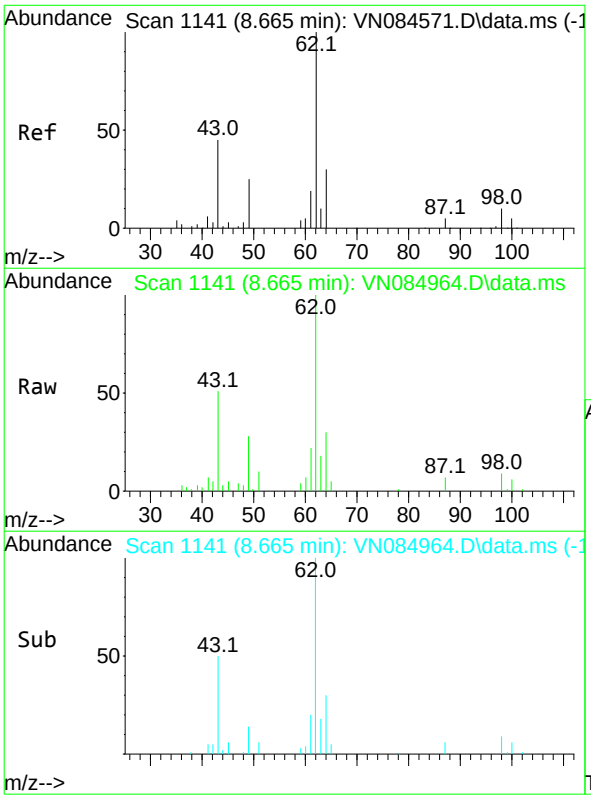
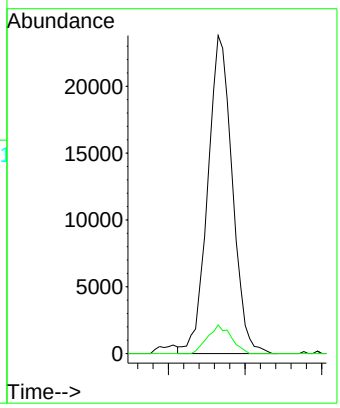
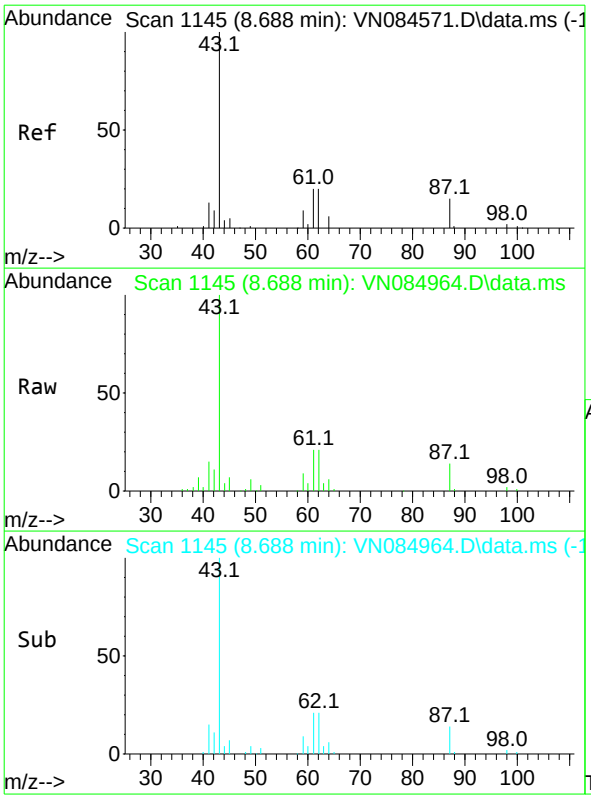


#42
1,2-Dichloroethane
Concen: 21.400 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 62 Resp: 52979

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.2

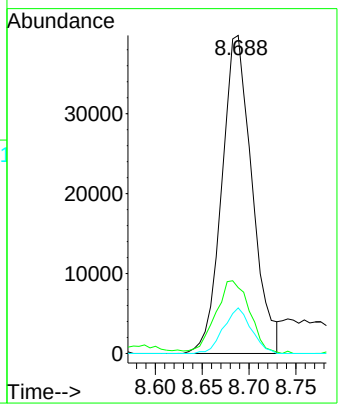




#43
Isopropyl Acetate
Concen: 21.919 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 43 Resp: 89614

Ion	Ratio	Lower	Upper
43	100		
61	25.8	20.4	30.6
87	13.1	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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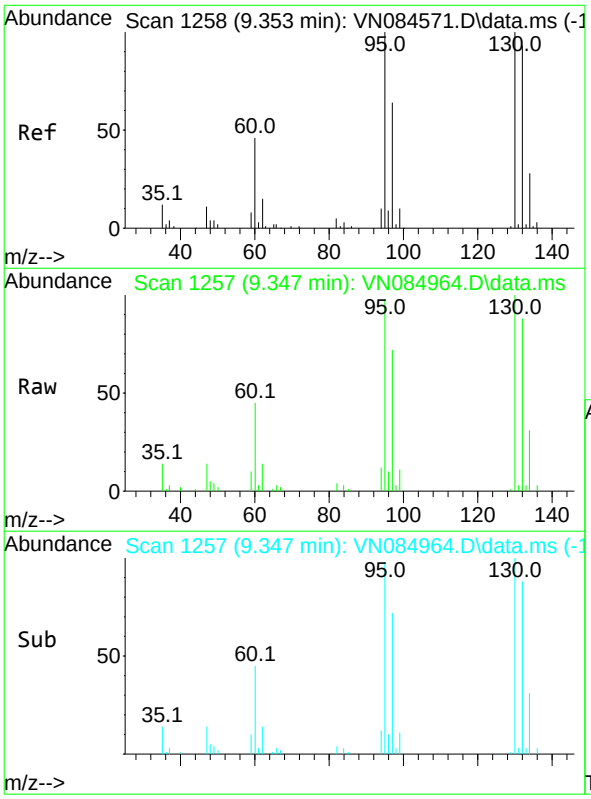
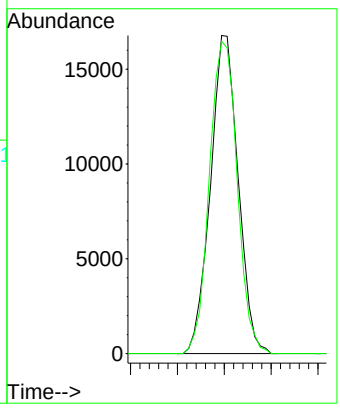
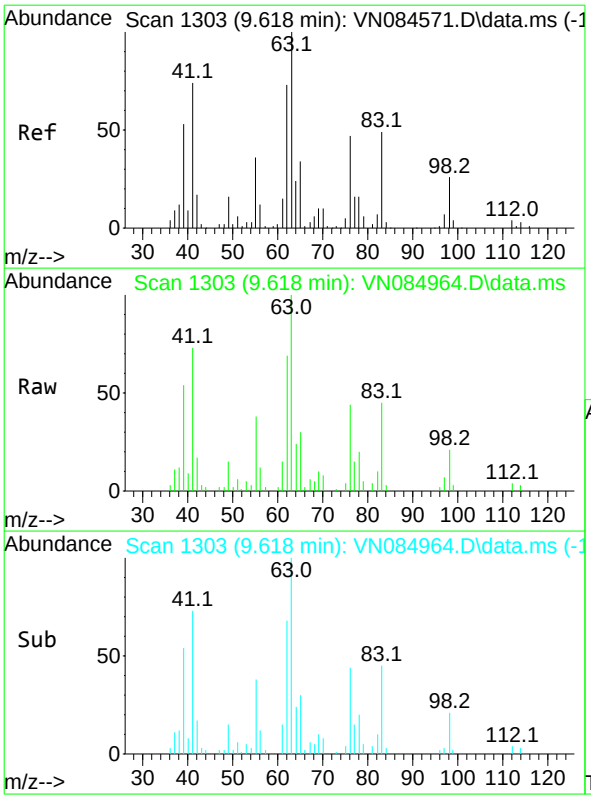


#44
Trichloroethene
Concen: 19.552 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:130 Resp: 34468

Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	203.0

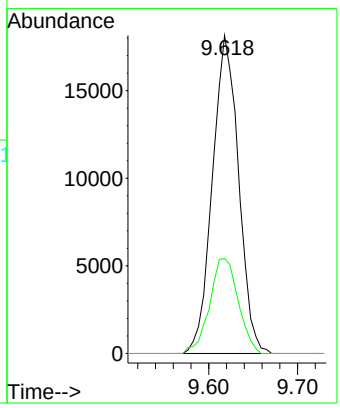




#45
1,2-Dichloropropane
Concen: 20.684 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 63 Resp: 37090

Ion	Ratio	Lower	Upper
63	100		
65	29.8	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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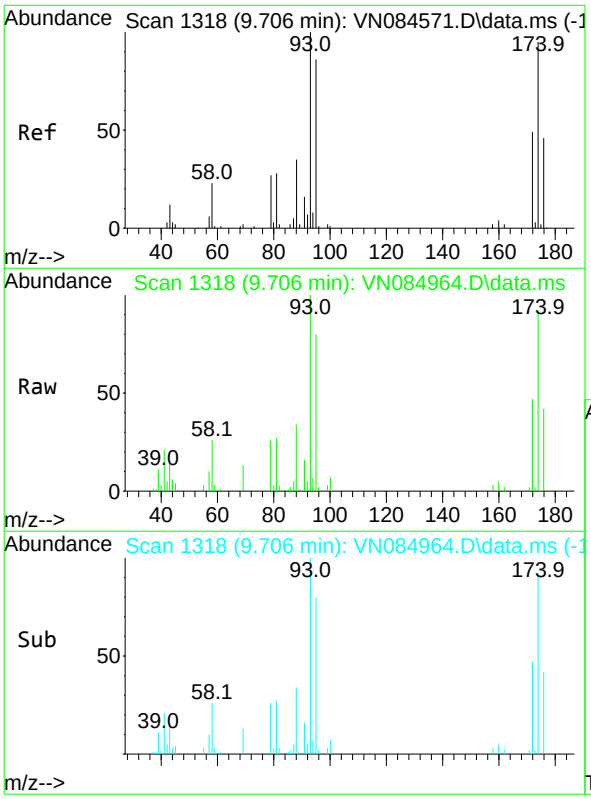
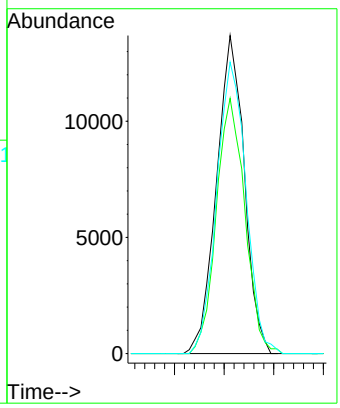
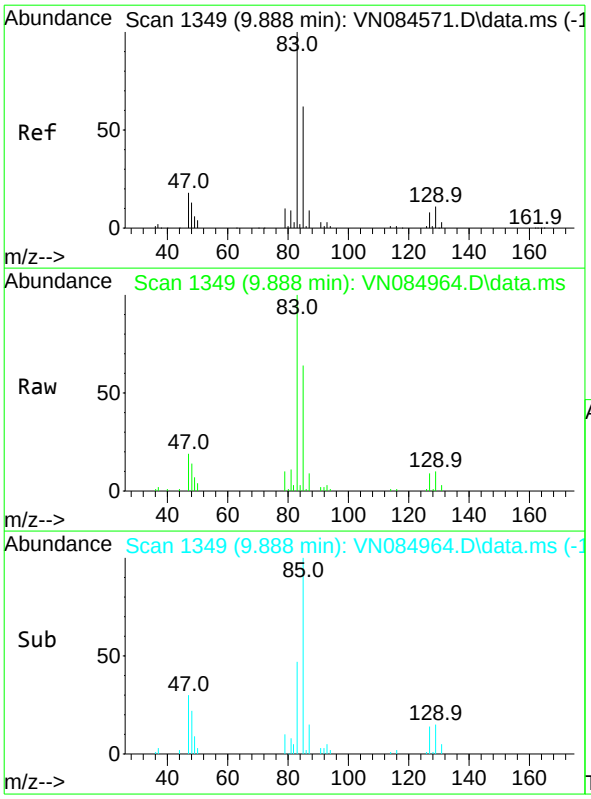


#46
Dibromomethane
Concen: 21.059 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 93 Resp: 26646

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.0	97.4
174	96.2	71.8	107.8

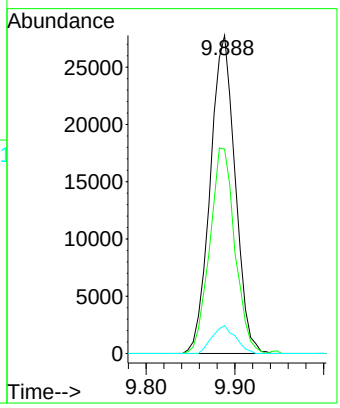




#47
Bromodichloromethane
Concen: 20.241 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 83 Resp: 53986

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.5	77.3
127	8.8	5.7	8.5#



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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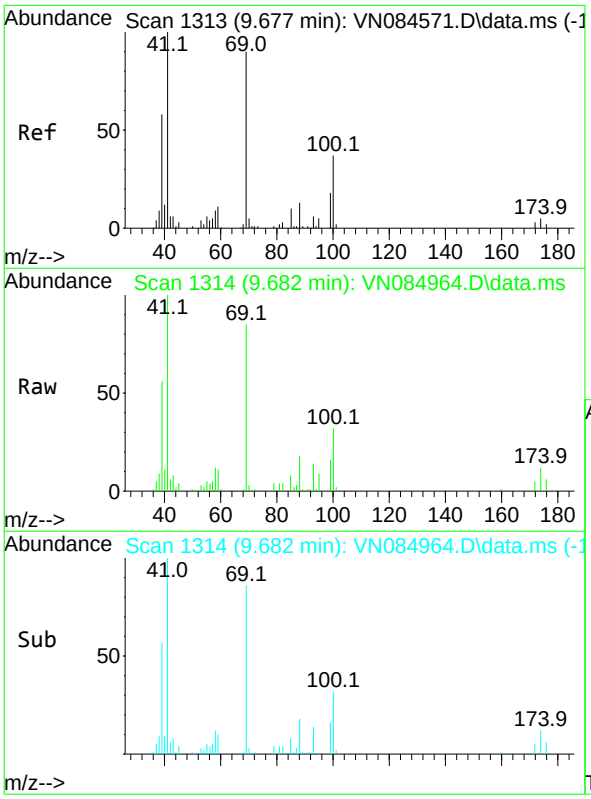
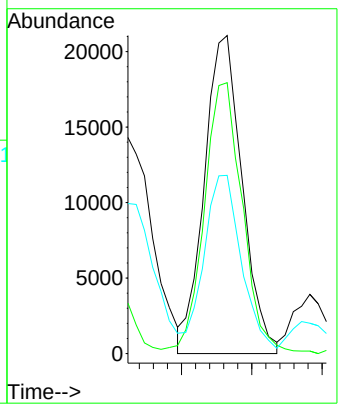
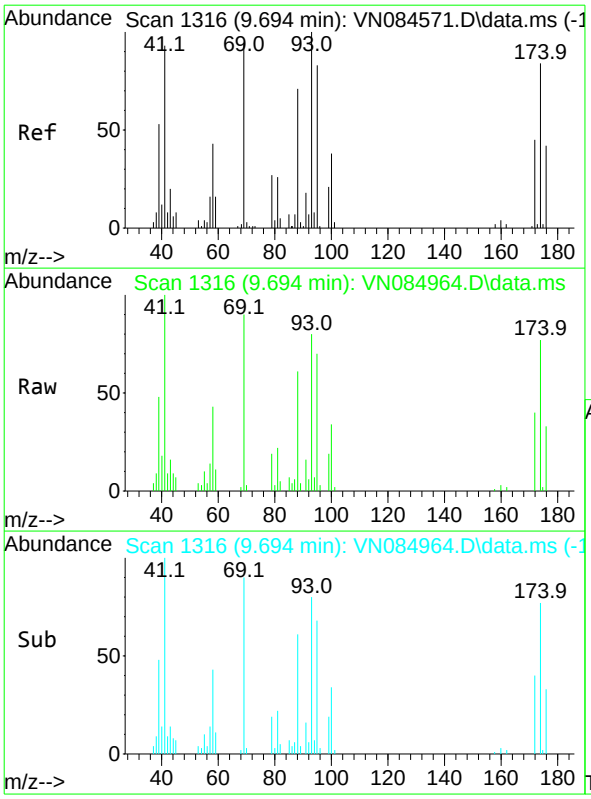


#48
Methyl methacrylate
Concen: 23.508 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 41 Resp: 39511

Ion	Ratio	Lower	Upper
41	100		
69	85.8	67.1	100.7
39	56.3	45.8	68.6

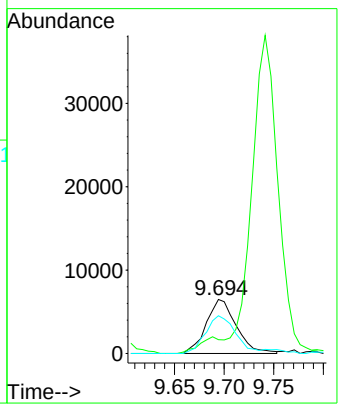




#49
1,4-Dioxane
Concen: 458.199 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 88 Resp: 13647

Ion	Ratio	Lower	Upper
88	100		
43	24.6	25.3	37.9#
58	69.5	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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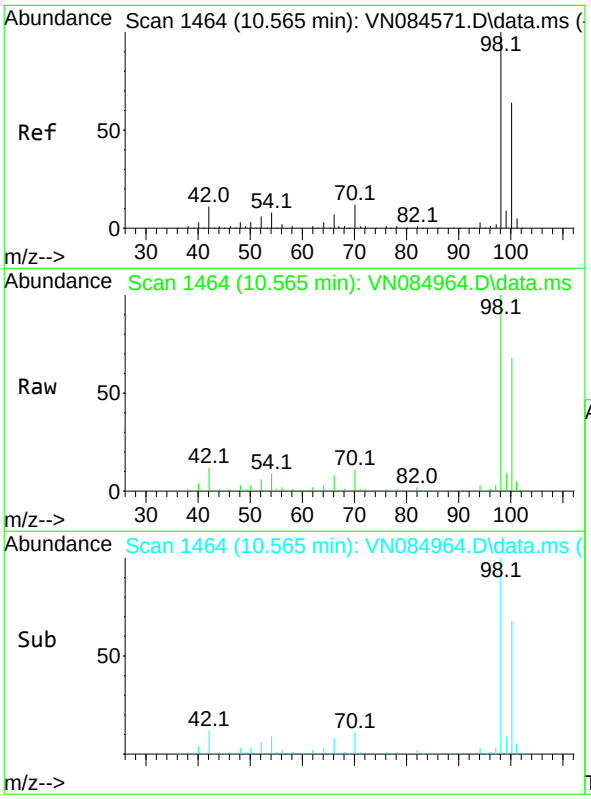
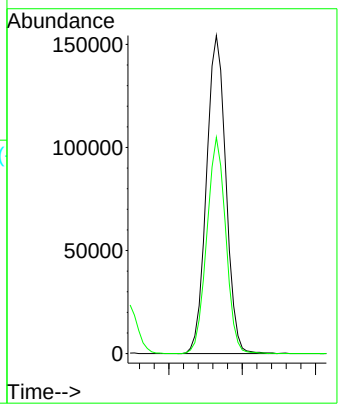
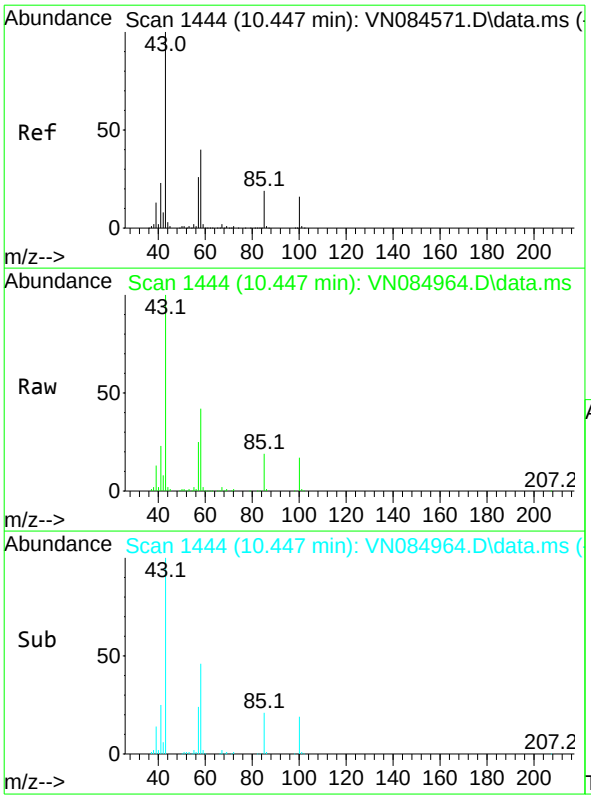


#50
Toluene-d8
Concen: 44.890 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 98 Resp: 283802

Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.7	79.1

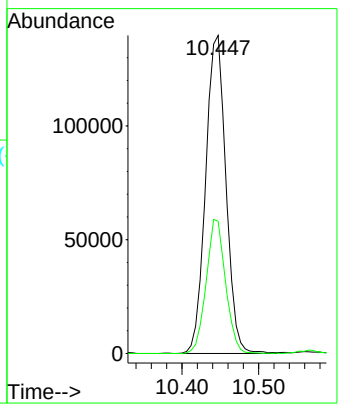




#51
4-Methyl-2-Pentanone
Concen: 125.092 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 43 Resp: 257532

Ion	Ratio	Lower	Upper
43	100		
58	40.2	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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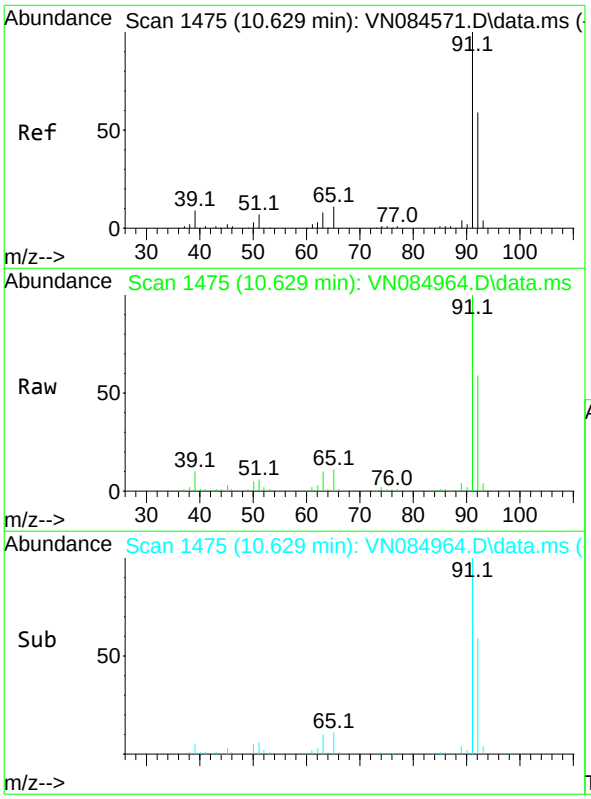
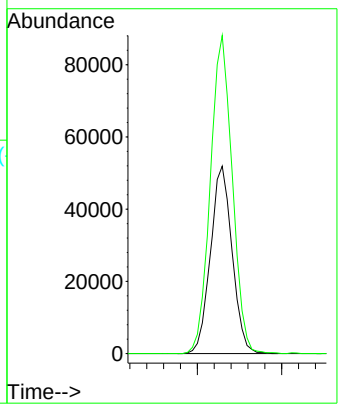
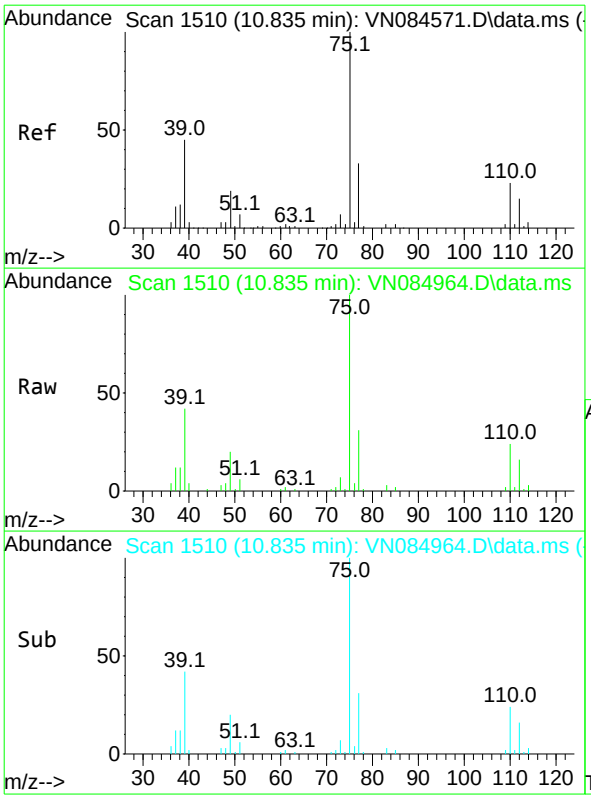


#52
Toluene
Concen: 20.695 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 92 Resp: 92522

Ion	Ratio	Lower	Upper
92	100		
91	172.0	137.3	205.9

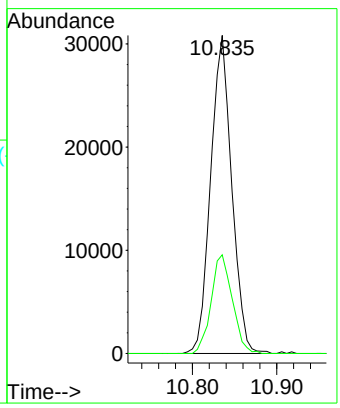




#53
t-1,3-Dichloropropene
Concen: 19.376 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 75 Resp: 53494

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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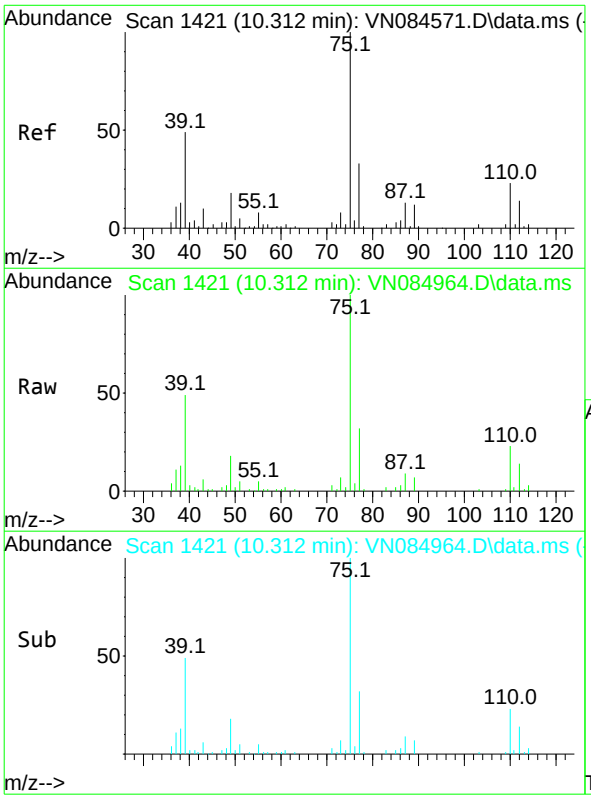
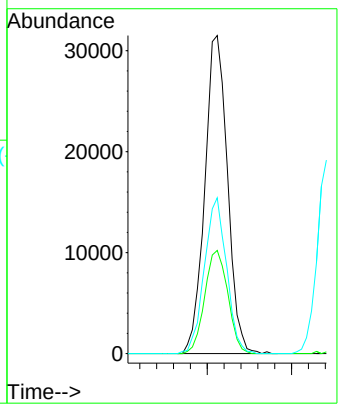
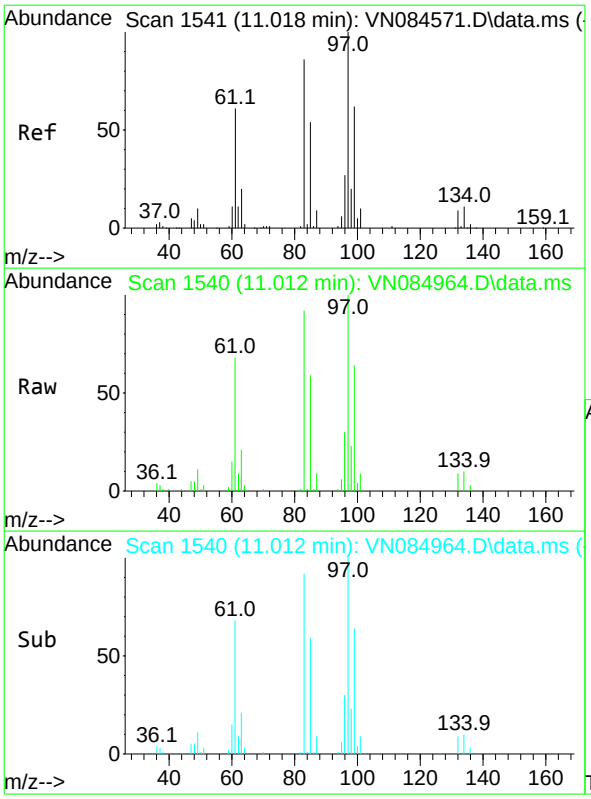


#54
cis-1,3-Dichloropropene
Concen: 20.179 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 75 Resp: 58965

Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.2	36.2
39	49.0	38.7	58.1

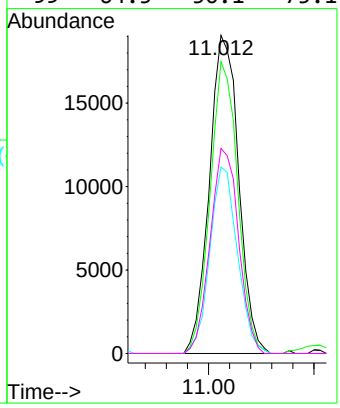




#55
1,1,2-Trichloroethane
Concen: 21.853 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 97 Resp: 36801

Ion	Ratio	Lower	Upper
97	100		
83	91.7	71.0	106.4
85	58.6	41.7	62.5
99	64.5	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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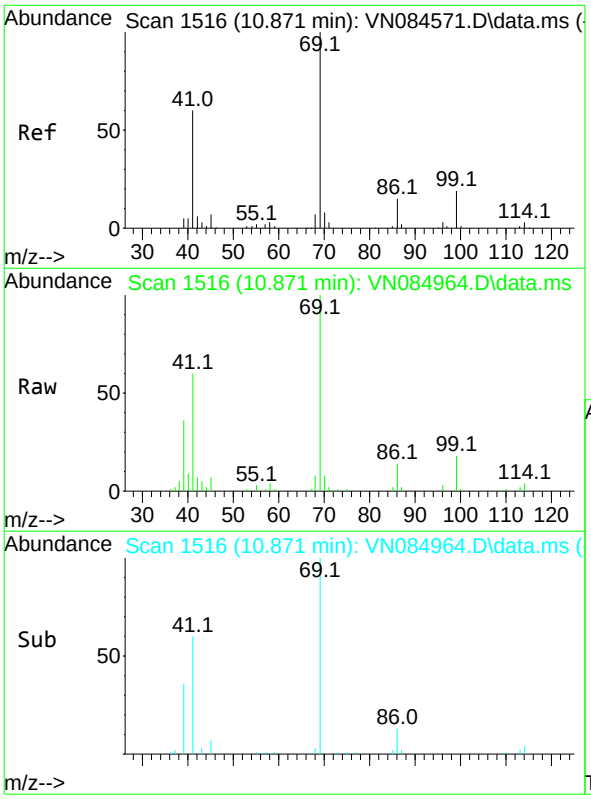
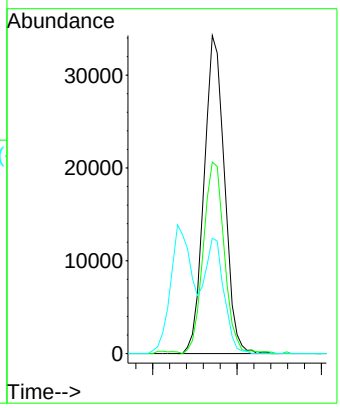
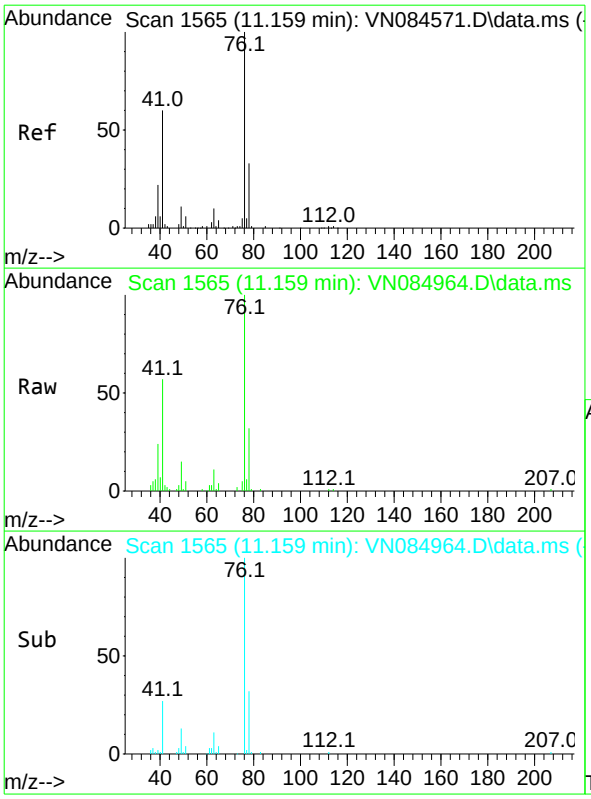


#56
Ethyl methacrylate
Concen: 23.685 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 69 Resp: 57695

Ion	Ratio	Lower	Upper
69	100		
41	62.2	53.3	79.9
39	34.7	28.8	43.2

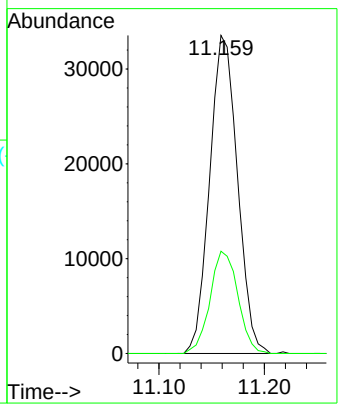




#57
1,3-Dichloropropane
Concen: 21.260 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 76 Resp: 61447

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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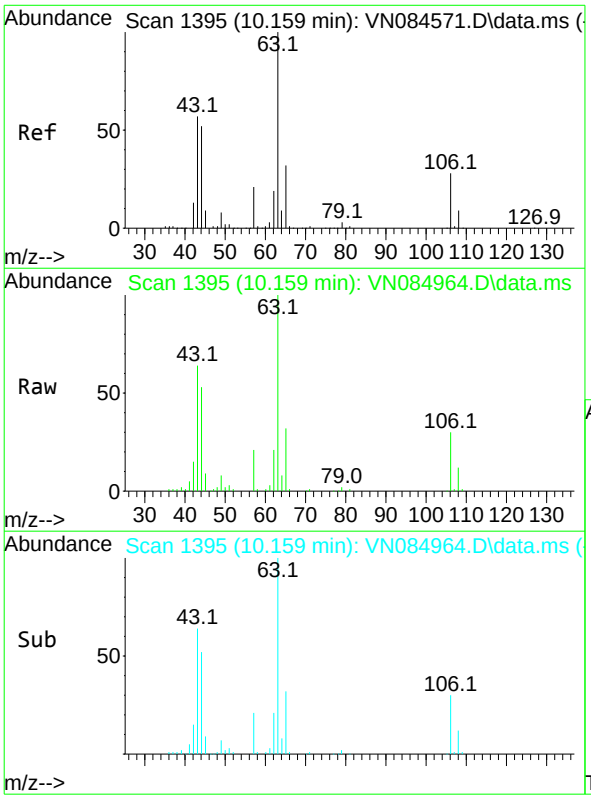
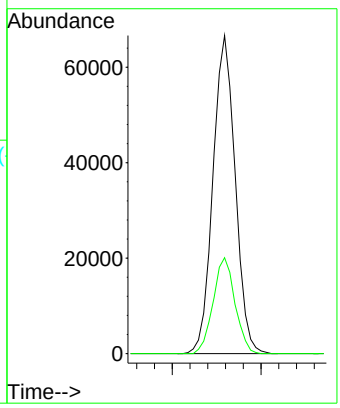
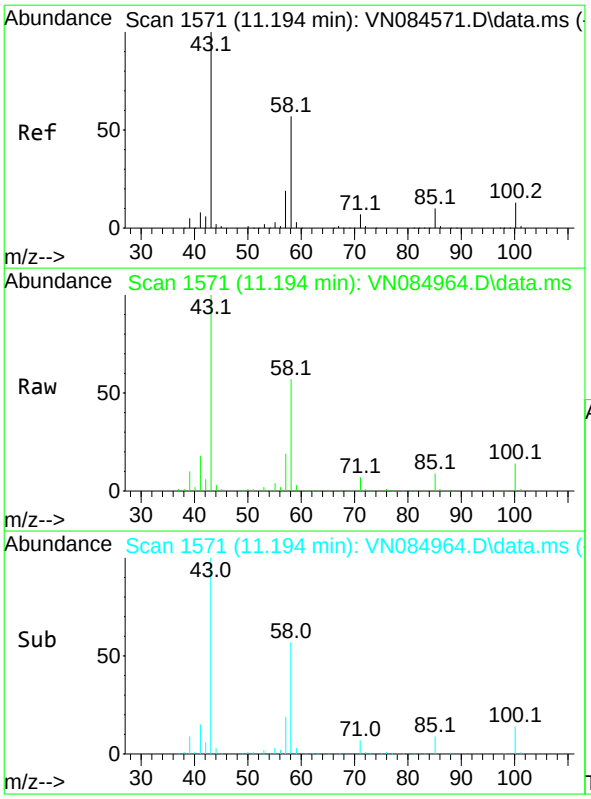


#58
2-Chloroethyl Vinyl ether
Concen: 101.699 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 63 Resp: 115920

Ion	Ratio	Lower	Upper
63	100		
106	29.6	21.8	32.6

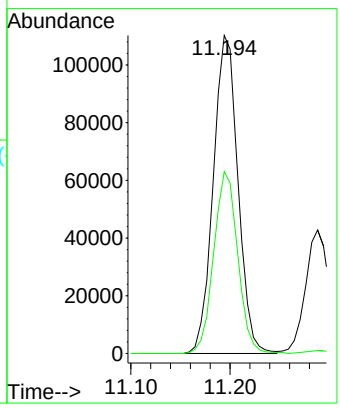




#59
2-Hexanone
Concen: 127.150 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 43 Resp: 190538

Ion	Ratio	Lower	Upper
43	100		
58	55.5	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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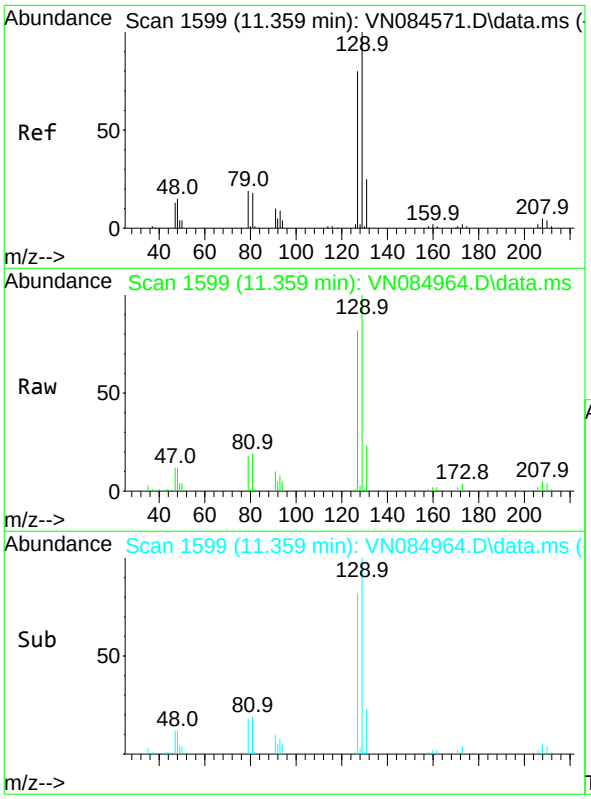
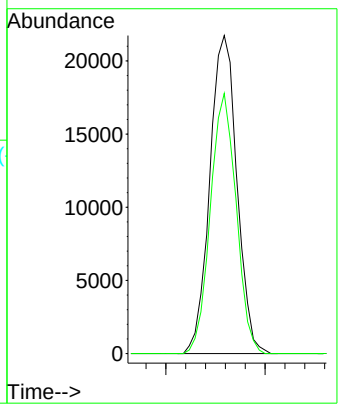
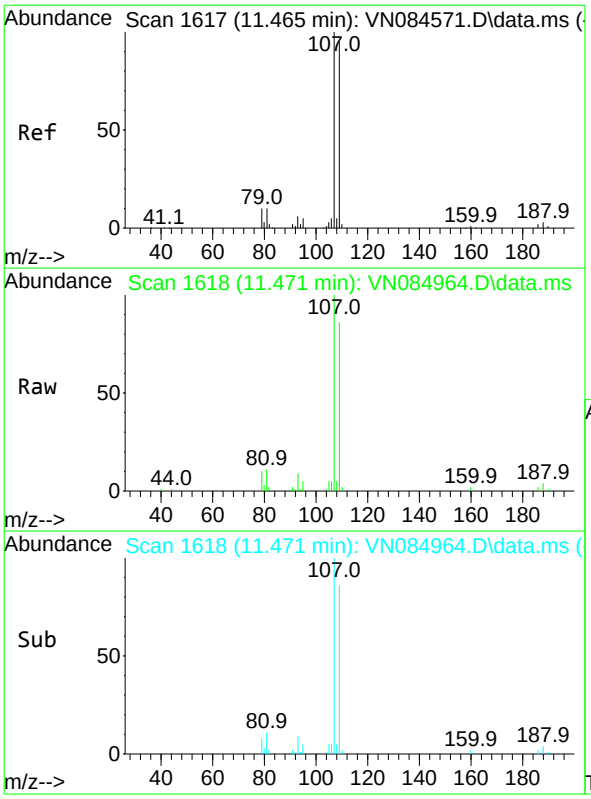


#60
Dibromochloromethane
Concen: 21.489 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:129 Resp: 41243

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.3	114.9

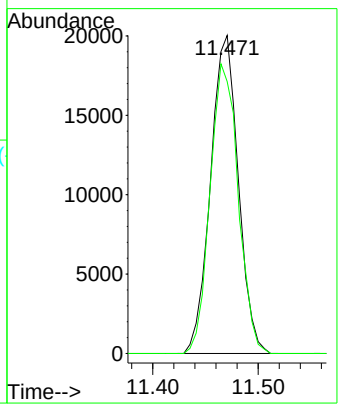




#61
1,2-Dibromoethane
Concen: 21.265 ug/l
RT: 11.471 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:107 Resp: 36672

Ion	Ratio	Lower	Upper
107	100		
109	92.1	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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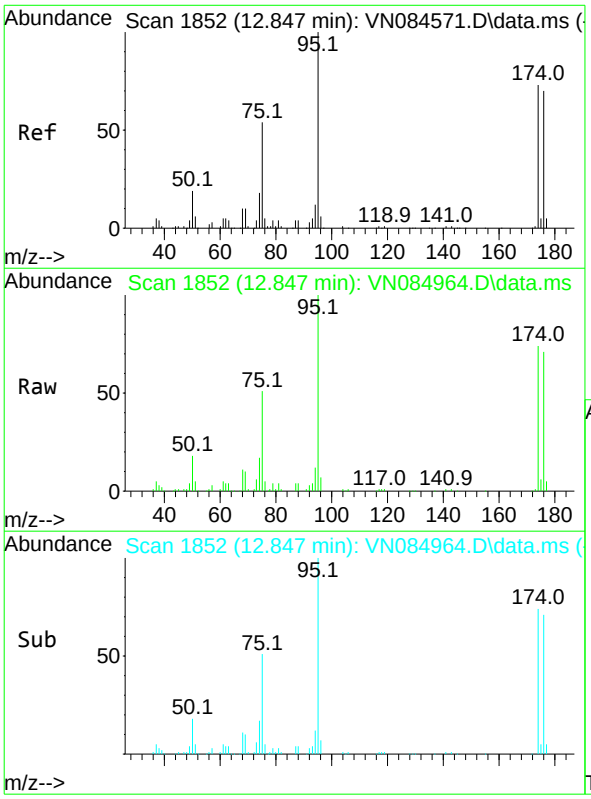
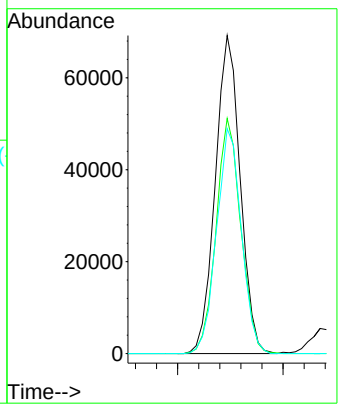
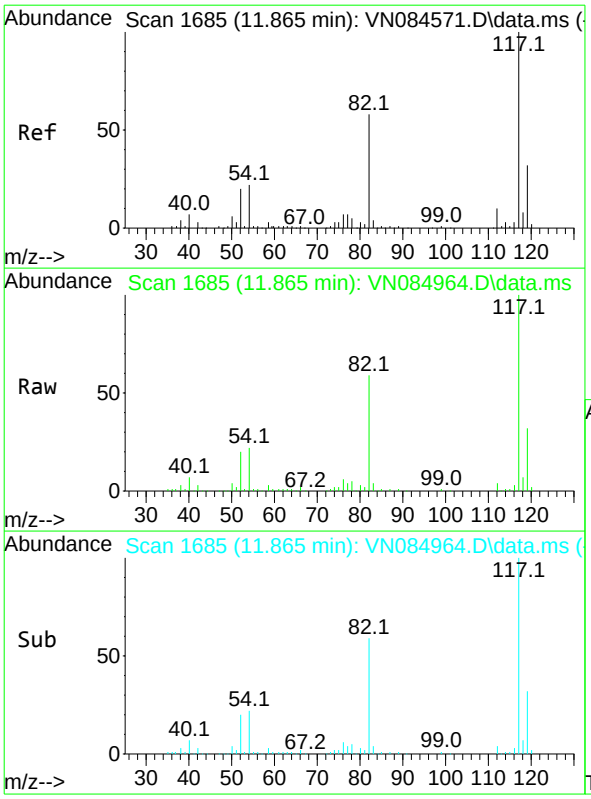


#62
4-Bromofluorobenzene
Concen: 48.183 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 95 Resp: 113847

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	145.2
176	70.2	0.0	140.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:117 Resp: 229692

Ion	Ratio	Lower	Upper
117	100		
82	59.5	47.2	70.8
119	32.0	25.4	38.0

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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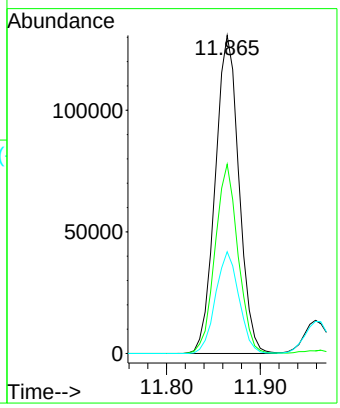
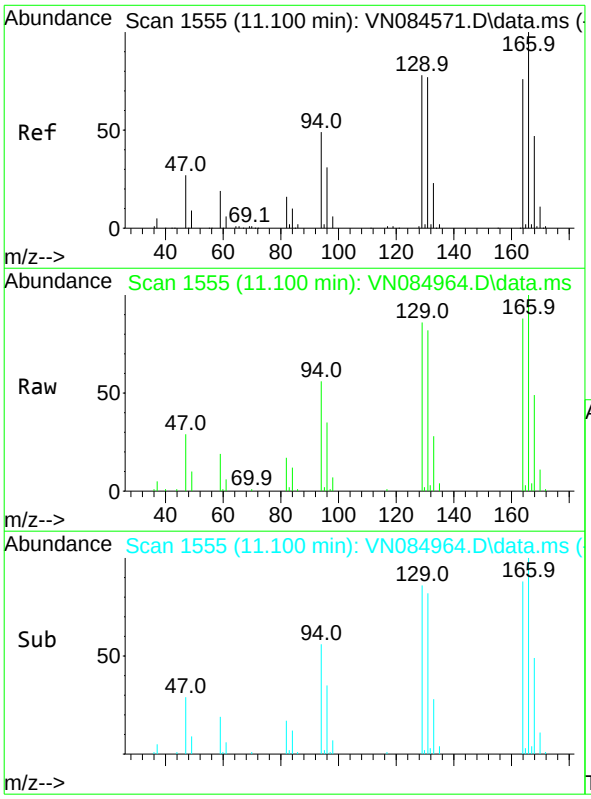
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

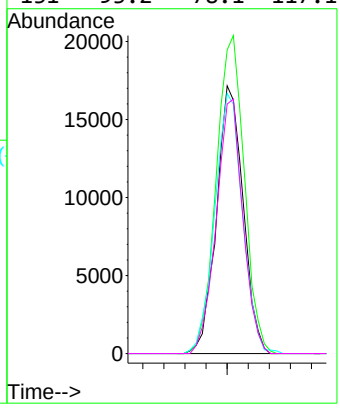


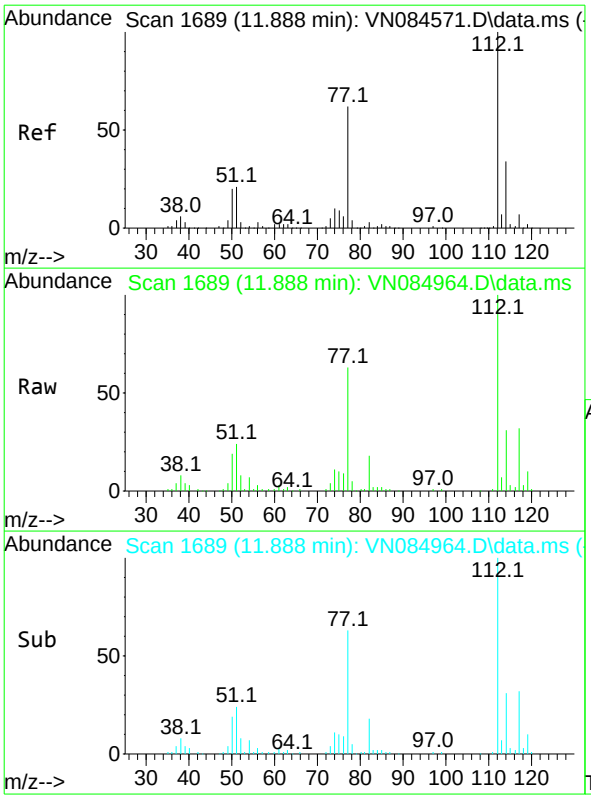


#64
Tetrachloroethene
Concen: 19.699 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:164 Resp: 30097

Ion	Ratio	Lower	Upper
164	100		
166	113.4	101.0	151.4
129	97.1	80.8	121.2
131	93.2	78.1	117.1

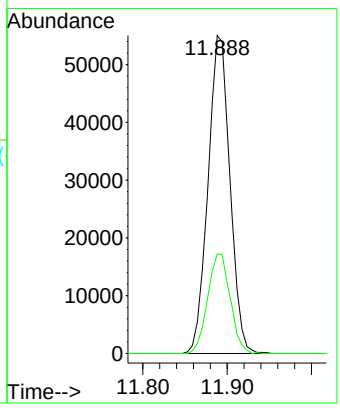




#65
Chlorobenzene
Concen: 19.345 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:112 Resp: 99409

Ion	Ratio	Lower	Upper
112	100		
114	31.3	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
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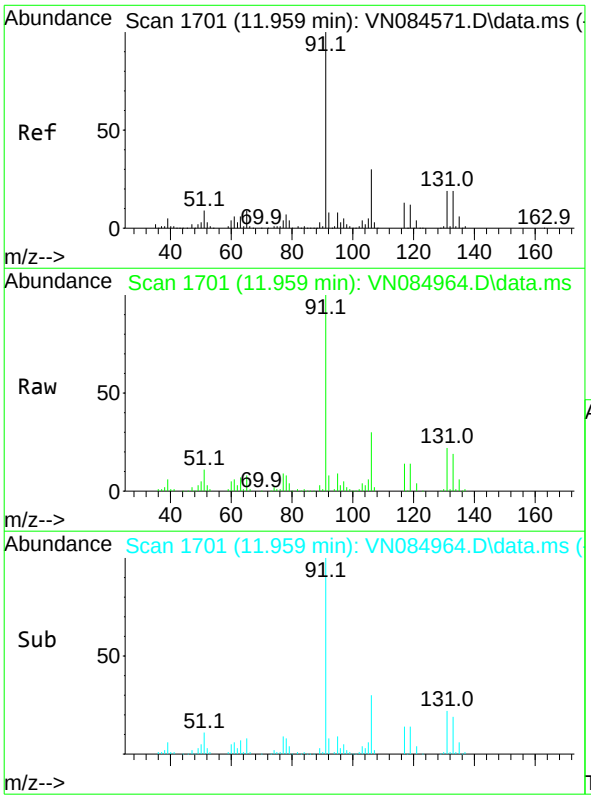
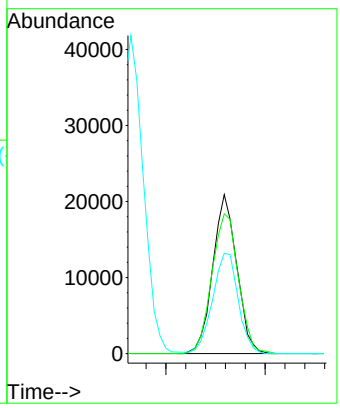
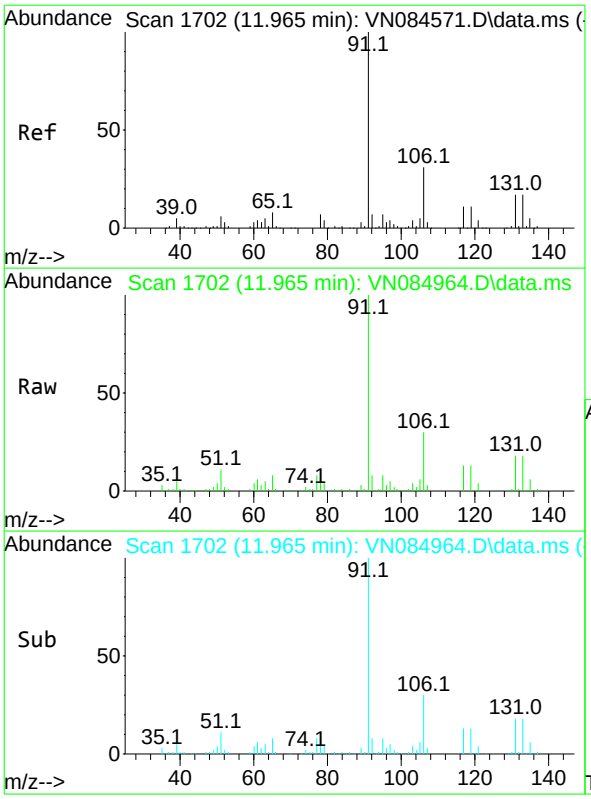


#66
1,1,1,2-Tetrachloroethane
Concen: 19.644 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:131 Resp: 35112

Ion	Ratio	Lower	Upper
131	100		
133	97.1	47.9	143.7
119	67.3	32.8	98.3

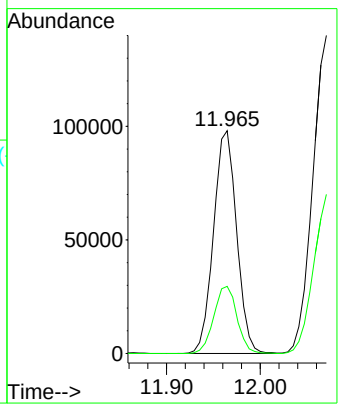




#67
Ethyl Benzene
Concen: 19.590 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 91 Resp: 168037

Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
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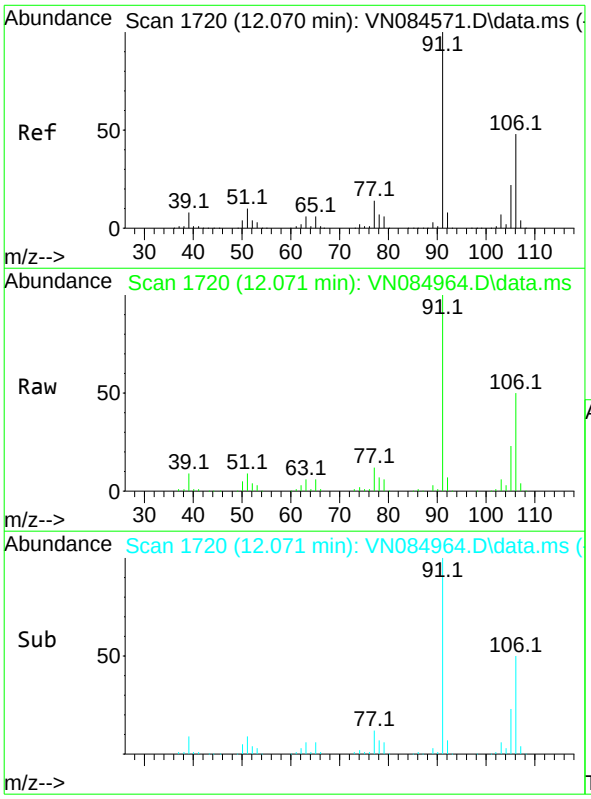
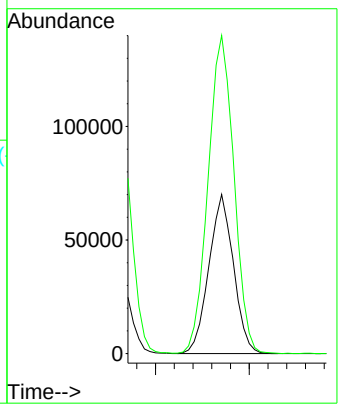
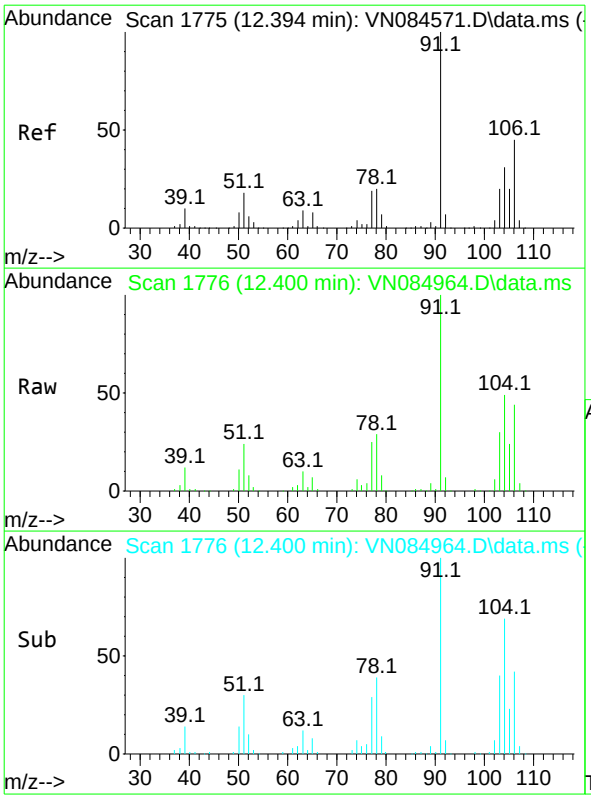


#68
m/p-Xylenes
Concen: 39.323 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:106 Resp: 127695

Ion	Ratio	Lower	Upper
106	100		
91	210.0	167.1	250.7

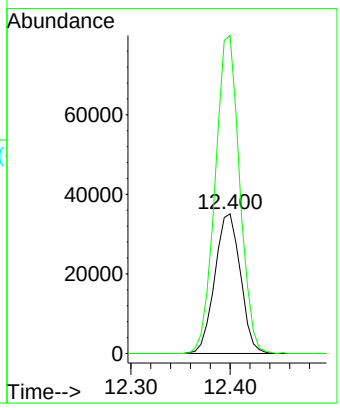




#69
o-Xylene
Concen: 20.721 ug/l
RT: 12.400 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:106 Resp: 62946

Ion	Ratio	Lower	Upper
106	100		
91	218.1	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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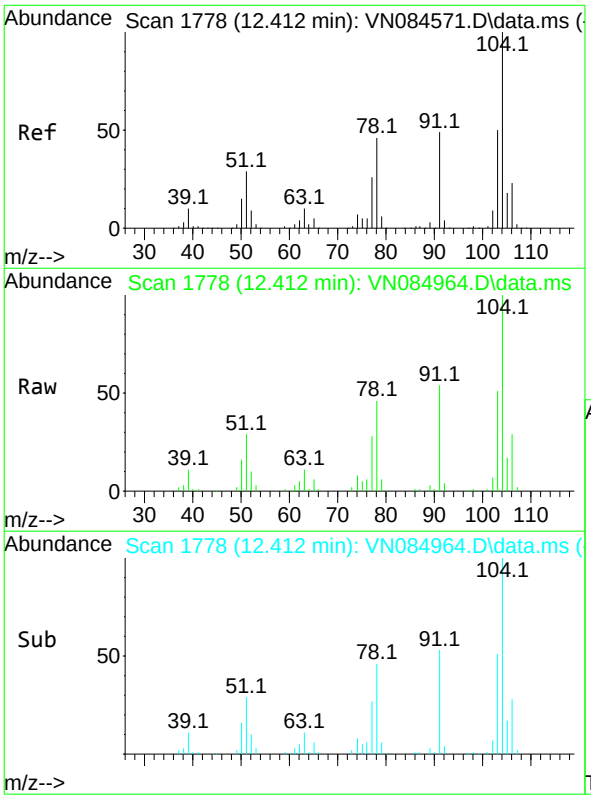
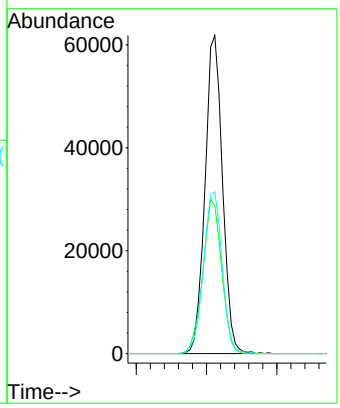
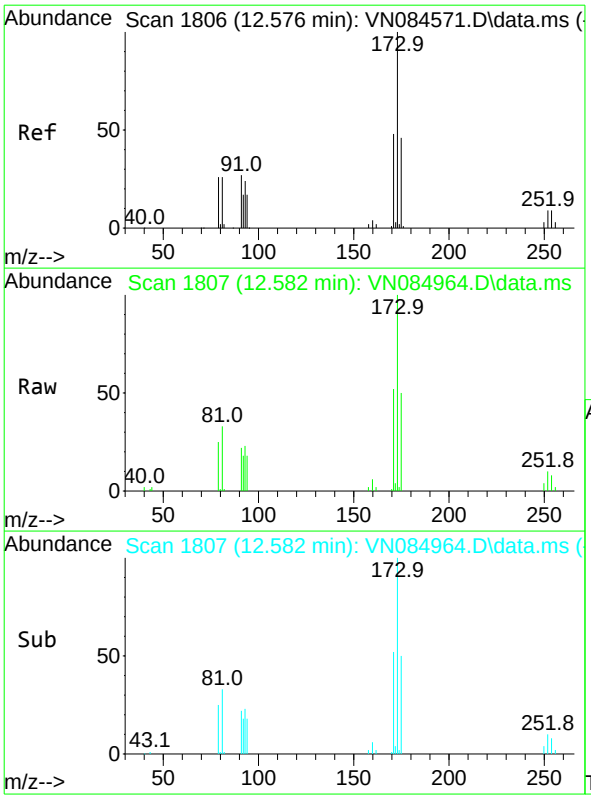


#70
Styrene
Concen: 20.160 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:104 Resp: 106834

Ion	Ratio	Lower	Upper
104	100		
78	51.9	42.7	64.1
103	54.5	43.6	65.4

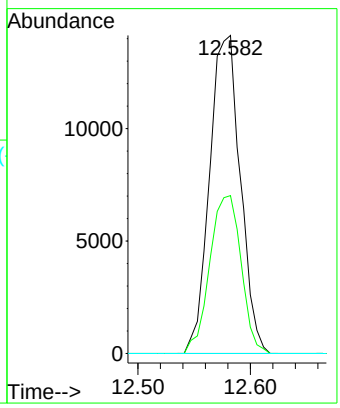




#71
Bromoform
Concen: 19.950 ug/l
RT: 12.582 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:173 Resp: 26831

Ion	Ratio	Lower	Upper
173	100		
175	50.7	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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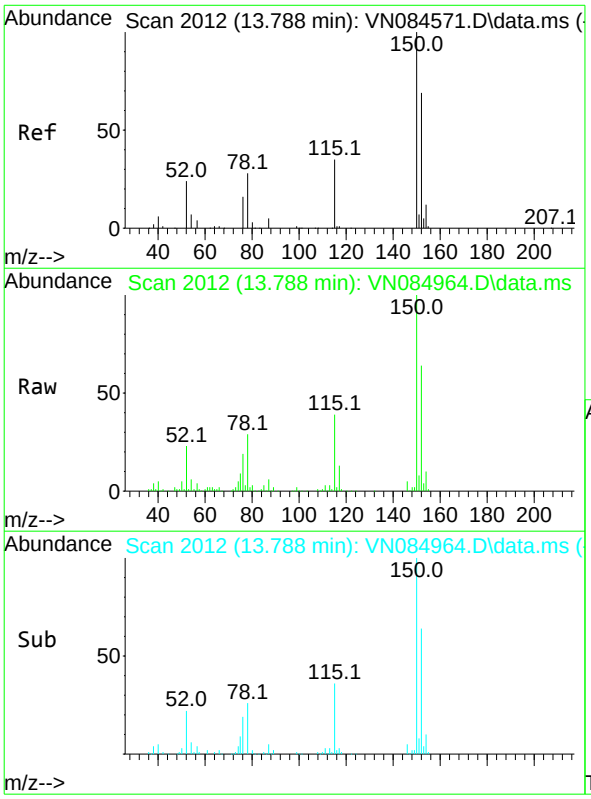
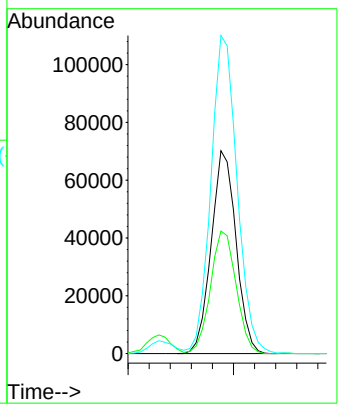
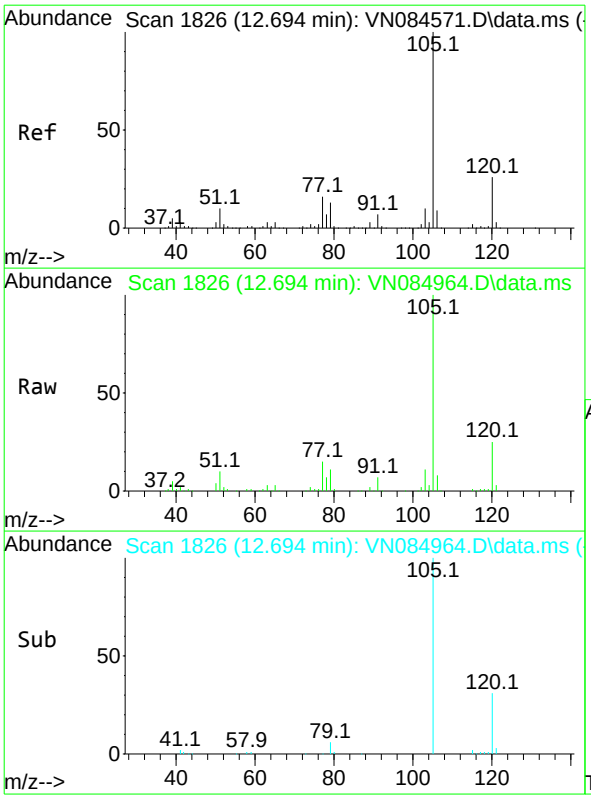


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:152 Resp: 114872

Ion	Ratio	Lower	Upper
152	100		
115	62.3	31.3	93.9
150	165.7	0.0	349.8

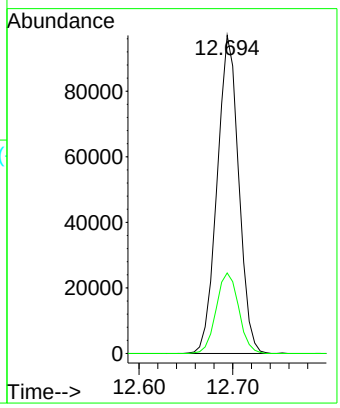




#73
Isopropylbenzene
Concen: 19.290 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:105 Resp: 155280

Ion	Ratio	Lower	Upper
105	100		
120	26.3	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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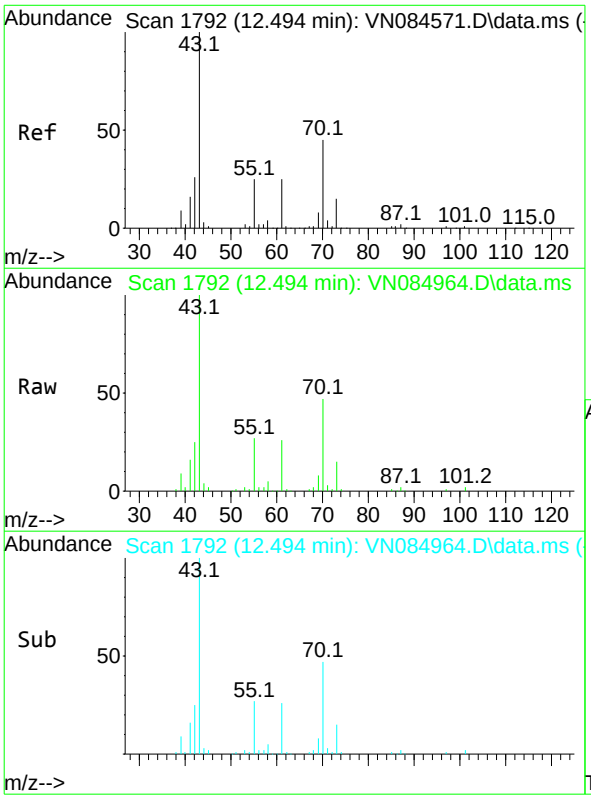
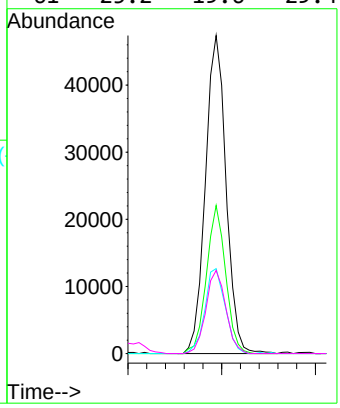
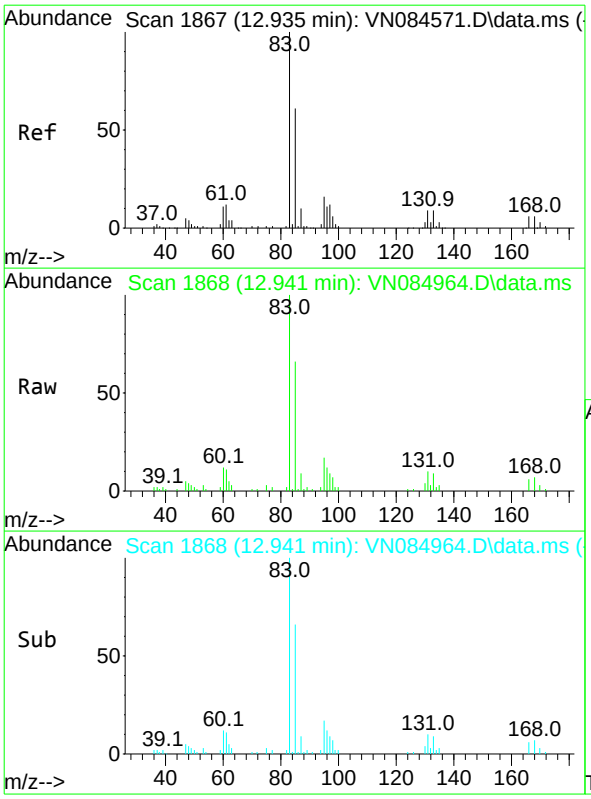


#74
N-amyl acetate
Concen: 21.175 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 43 Resp: 72549

Ion	Ratio	Lower	Upper
43	100		
70	43.2	34.4	51.6
55	26.3	19.6	29.4
61	25.2	19.6	29.4

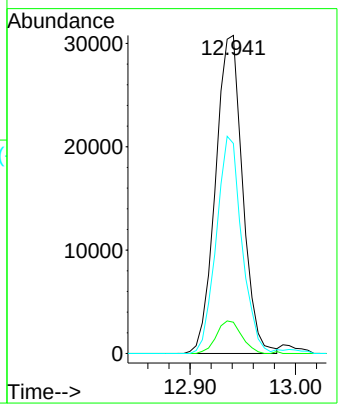




#75
1,1,2,2-Tetrachloroethane
Concen: 20.414 ug/l
RT: 12.941 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 83 Resp: 54852

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.9	14.7
85	64.4	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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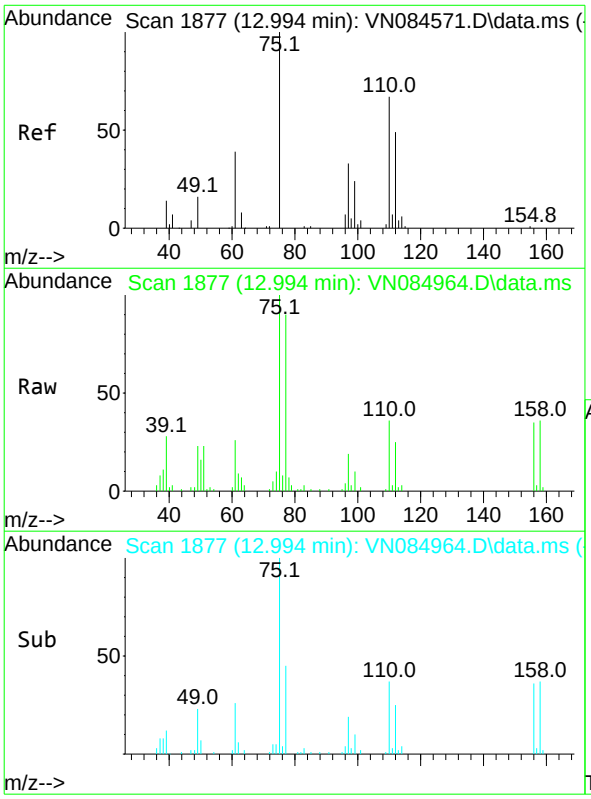
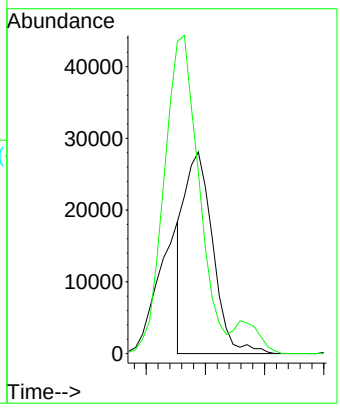
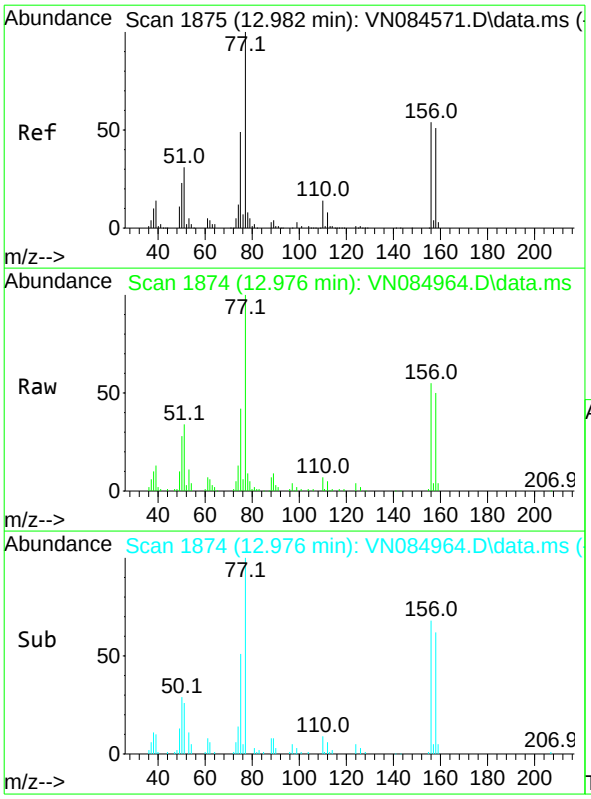


#76
1,2,3-Trichloropropane
Concen: 20.337 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 75 Resp: 46699

Ion	Ratio	Lower	Upper
75	100		
77	193.4	96.9	290.7

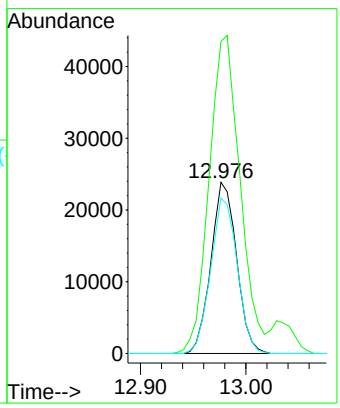




#77
Bromobenzene
Concen: 18.677 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:156 Resp: 40419

Ion	Ratio	Lower	Upper
156	100		
77	223.5	115.1	345.3
158	93.9	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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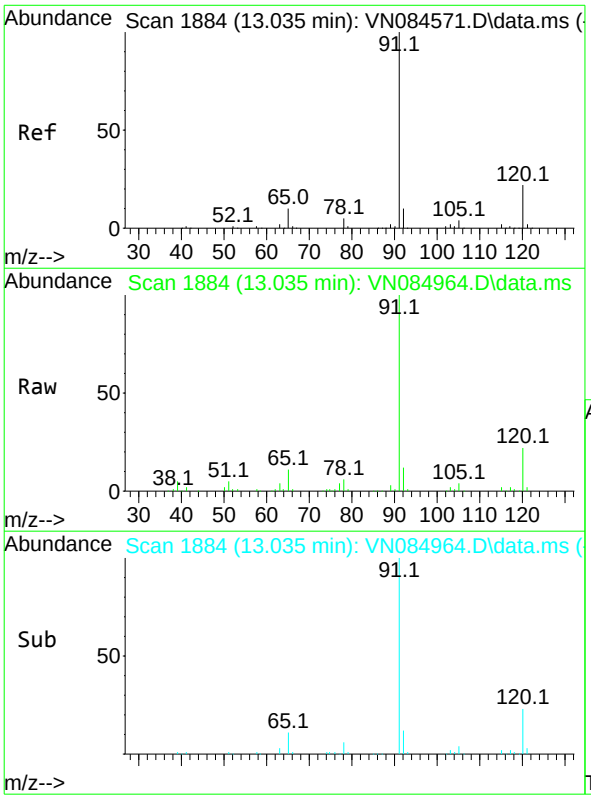
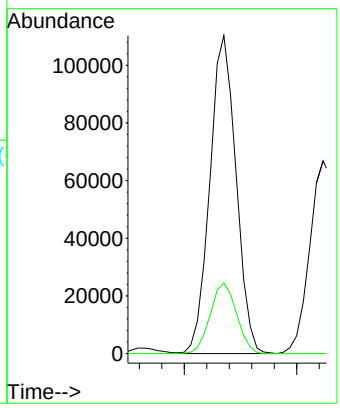
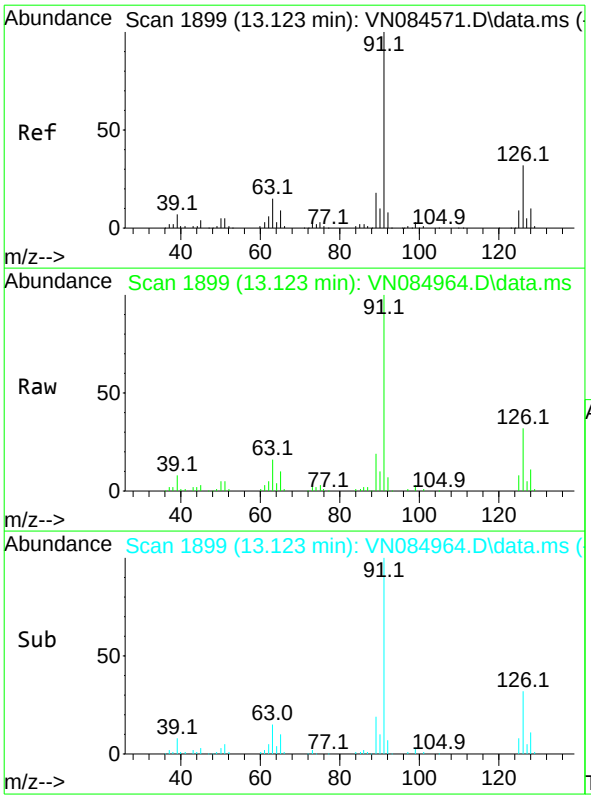


#78
n-propylbenzene
Concen: 18.935 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 91 Resp: 178621

Ion	Ratio	Lower	Upper
91	100		
120	22.3	10.8	32.4

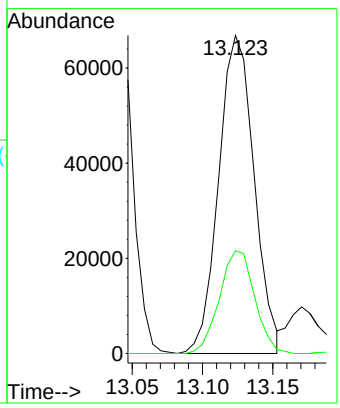




#79
2-Chlorotoluene
Concen: 19.032 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 91 Resp: 117308

Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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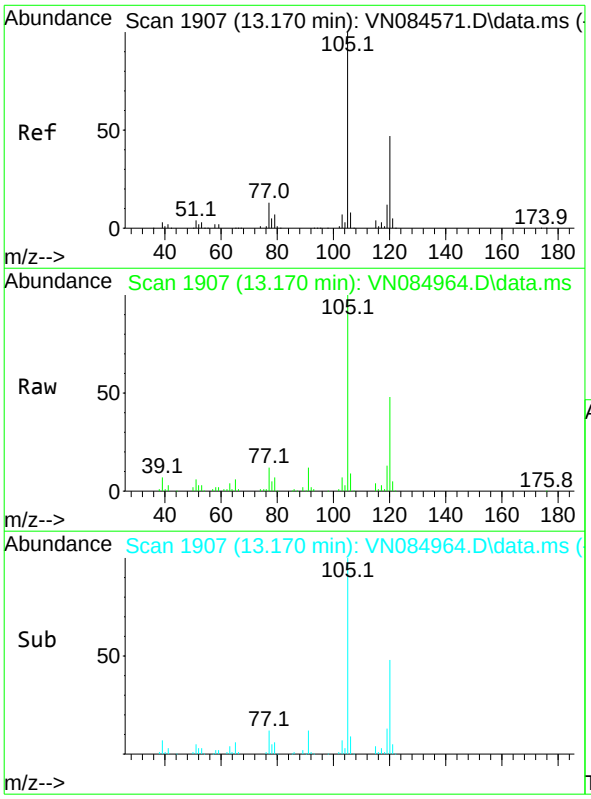
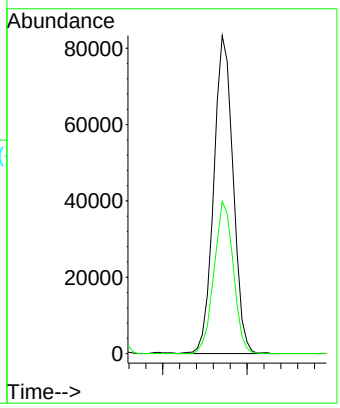
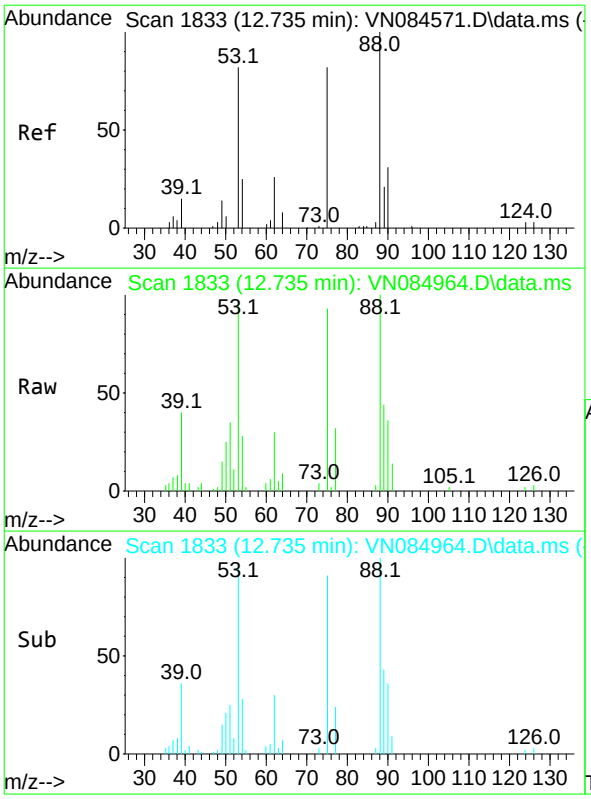


#80
1,3,5-Trimethylbenzene
Concen: 19.907 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:105 Resp: 132819

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.7	71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 18.867 ug/l m
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 75 Resp: 18261

Ion	Ratio	Lower	Upper
75	100		
53	103.2	78.0	117.0
89	48.7	35.5	53.3

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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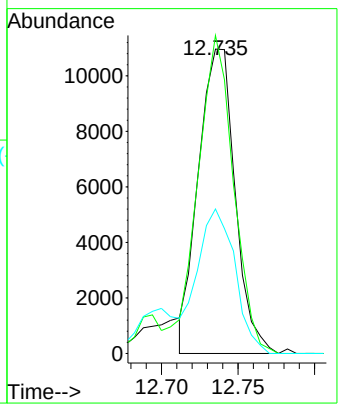
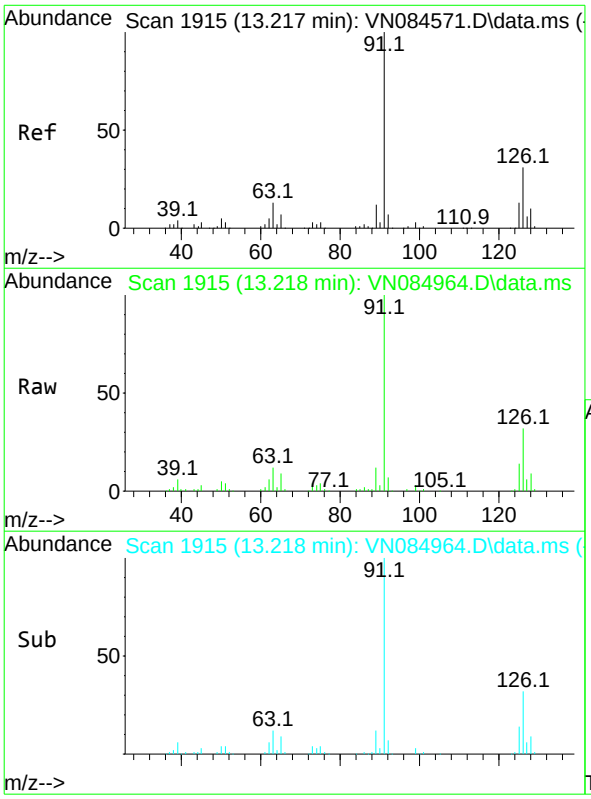
Supervised By :Mahesh Dadoda 11/21/2024

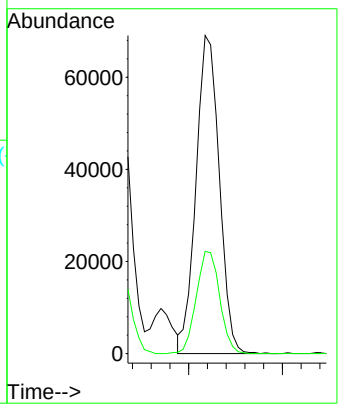


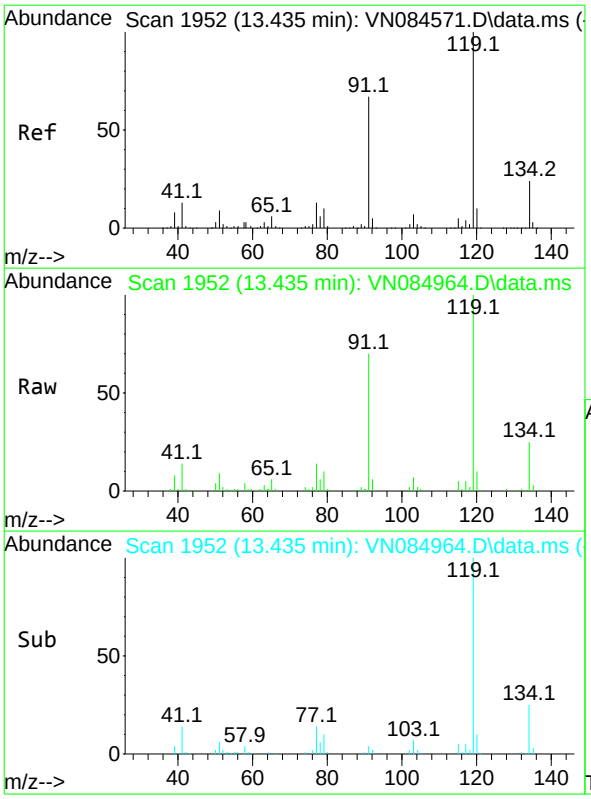


#82
4-Chlorotoluene
Concen: 18.359 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 91 Resp: 119090

Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.7	47.1

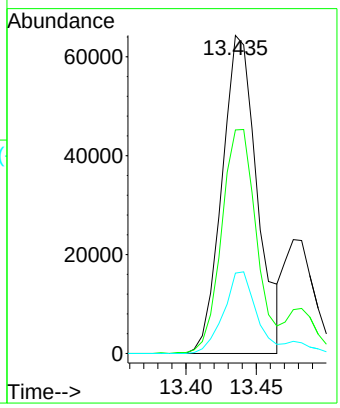




#83
tert-Butylbenzene
Concen: 20.287 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:119 Resp: 112021

Ion	Ratio	Lower	Upper
119	100		
91	69.6	34.1	102.3
134	24.2	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Manual Integrations
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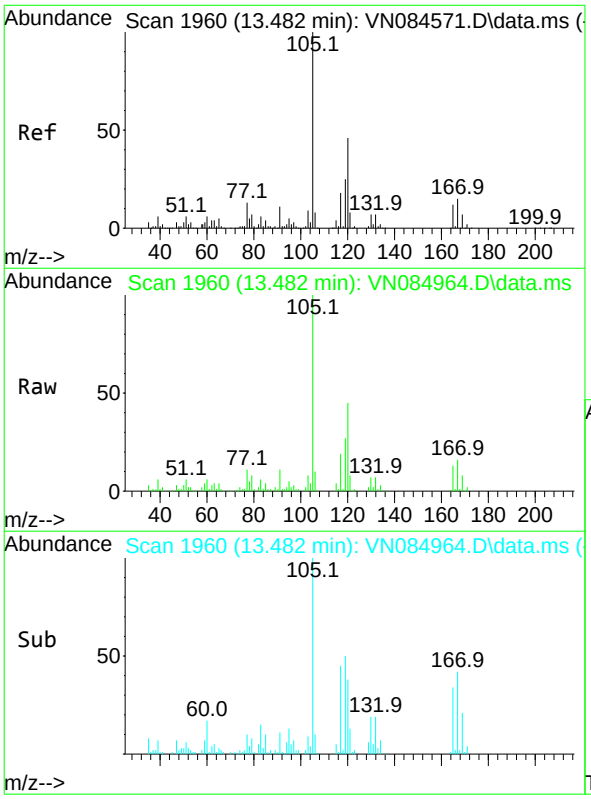
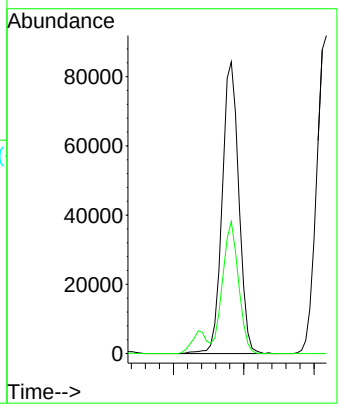
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

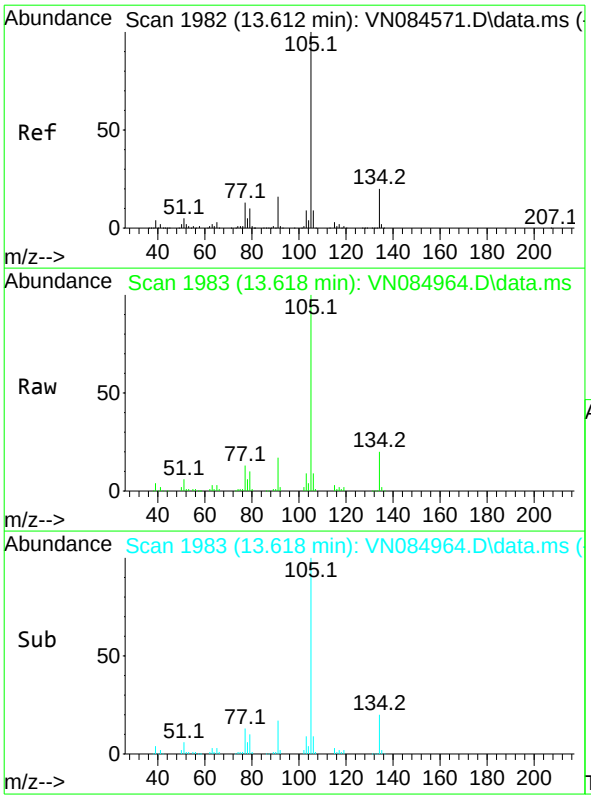


#84
1,2,4-Trimethylbenzene
Concen: 20.119 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:105 Resp: 138540

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.3	66.8

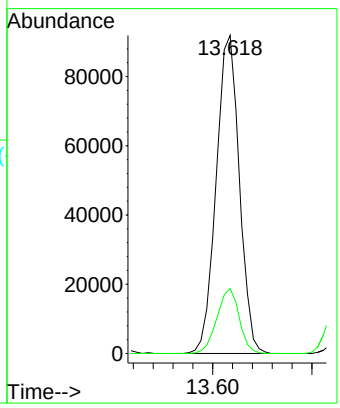




#85
sec-Butylbenzene
Concen: 19.103 ug/l
RT: 13.618 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:105 Resp: 149002

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/21/2024
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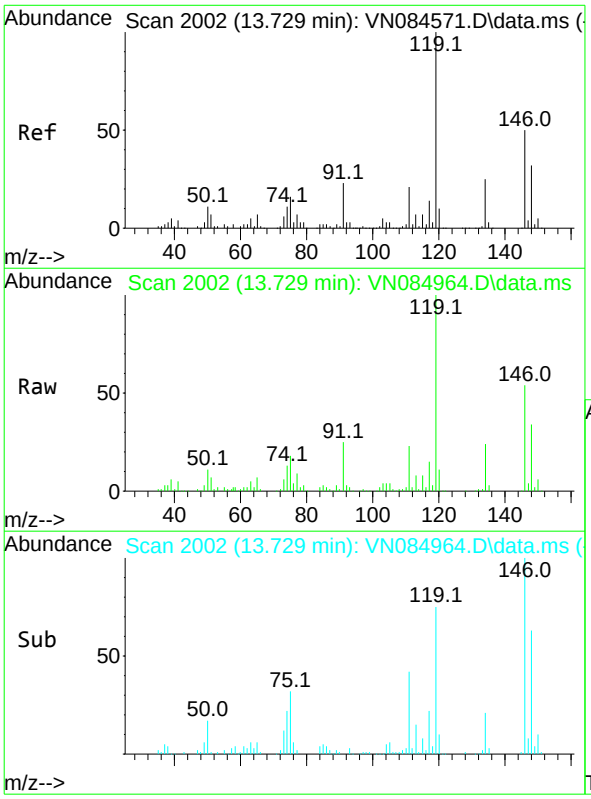
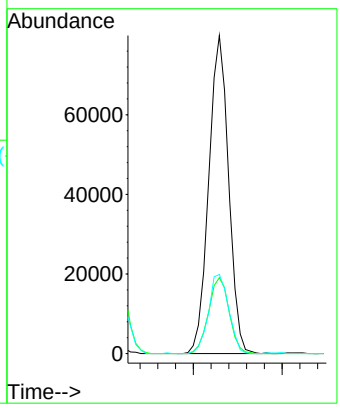
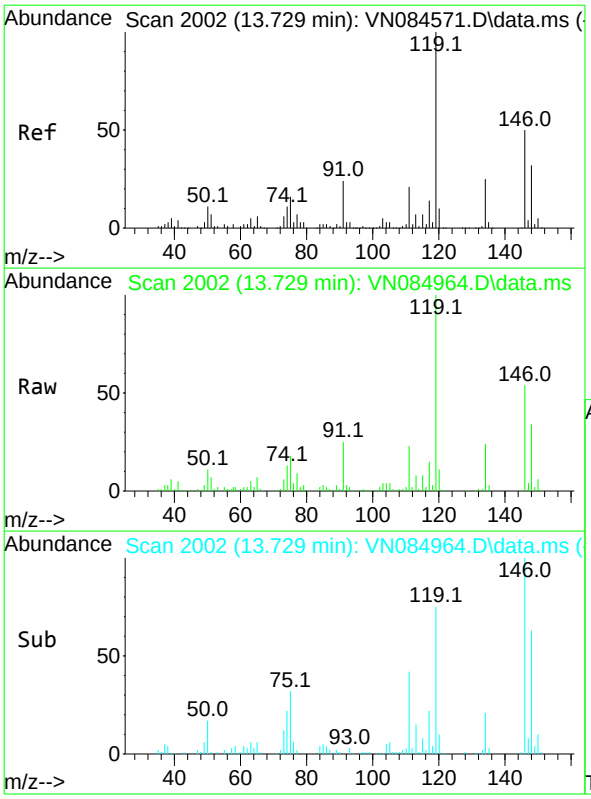


#86
p-Isopropyltoluene
Concen: 19.382 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:119 Resp: 123982

Ion	Ratio	Lower	Upper
119	100		
134	24.7	12.6	37.8
91	25.5	12.4	37.2

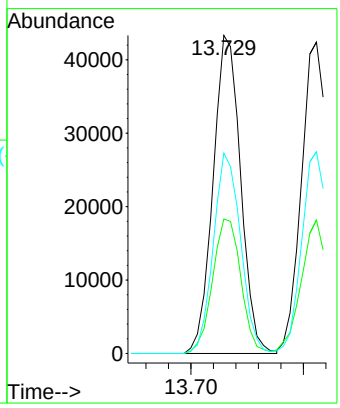




#87
1,3-Dichlorobenzene
Concen: 17.467 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:146 Resp: 73769

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.8	65.3
148	62.2	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Manual Integrations
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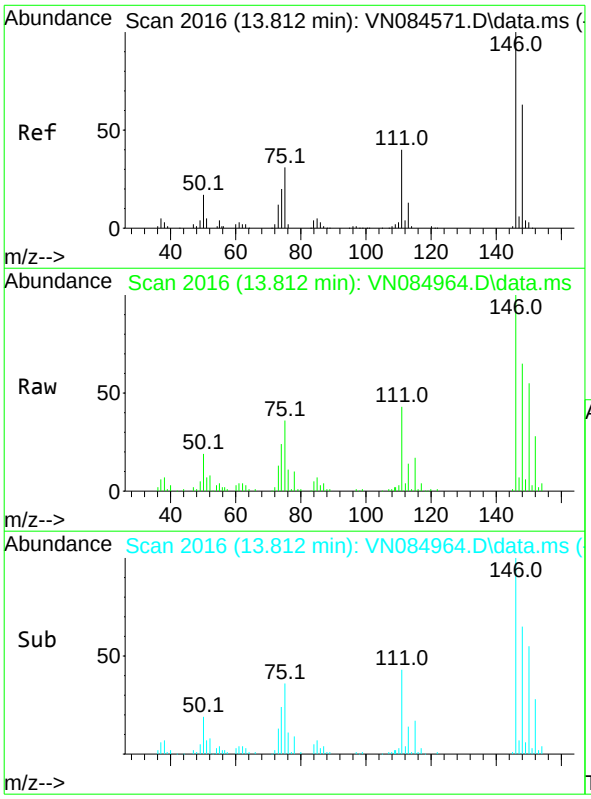
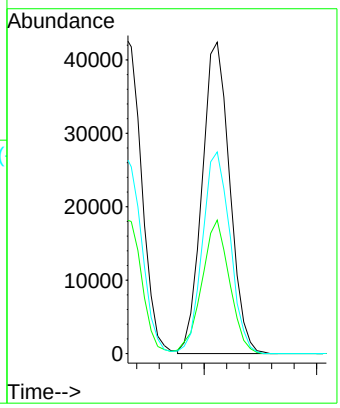
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

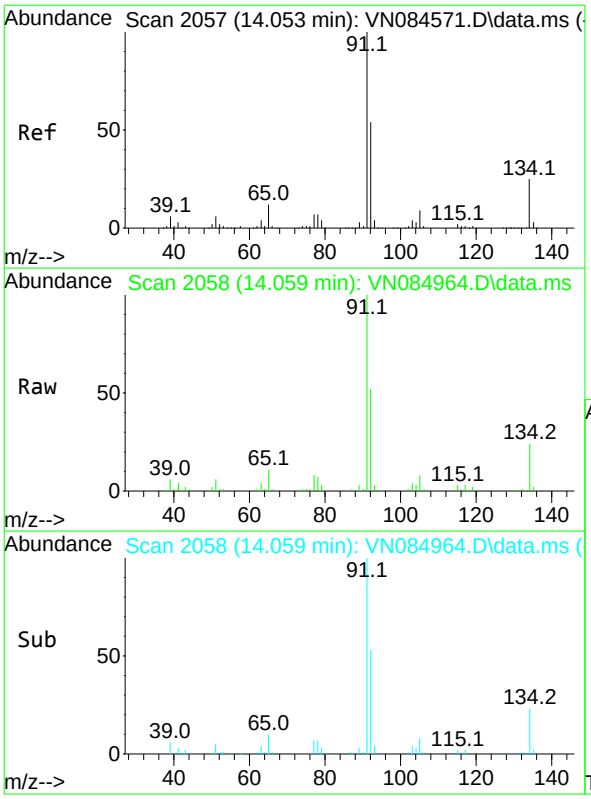


#88
1,4-Dichlorobenzene
Concen: 18.009 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:146 Resp: 72532

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.2	63.6
148	64.7	31.9	95.9

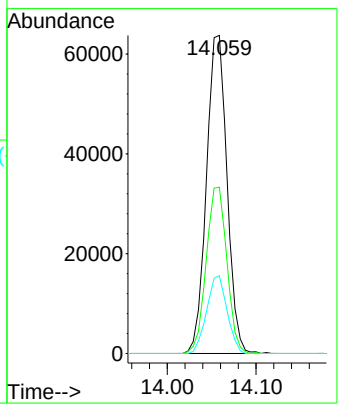




#89
n-Butylbenzene
Concen: 17.170 ug/l
RT: 14.059 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 91 Resp: 102739

Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.6	79.7
134	24.2	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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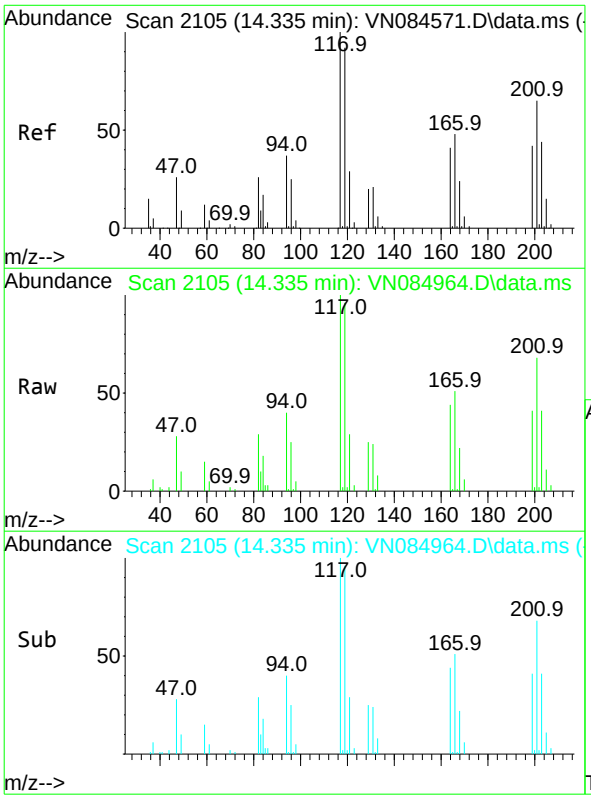
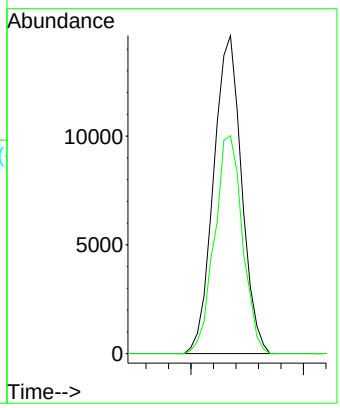
Supervised By :Mahesh Dadoda 11/21/2024

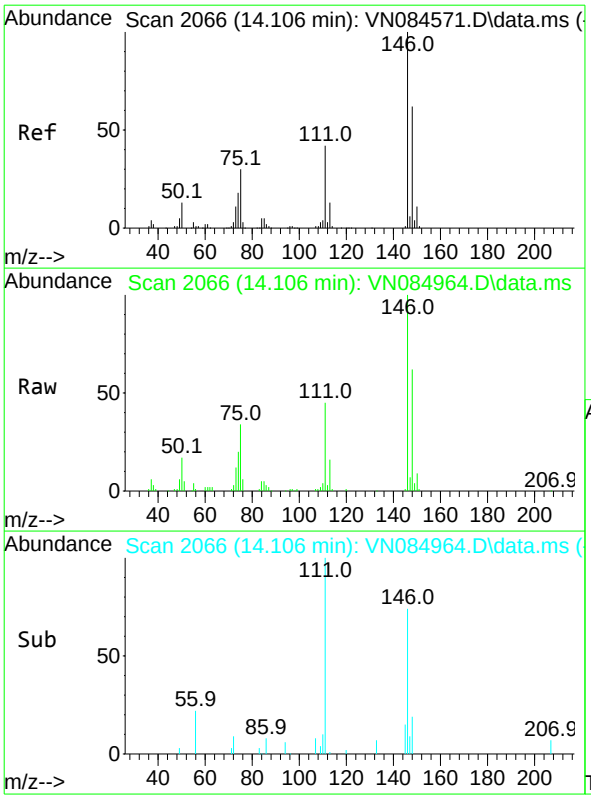


#90
Hexachloroethane
Concen: 17.709 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:117 Resp: 25263

Ion	Ratio	Lower	Upper
117	100		
201	68.5	34.4	103.2

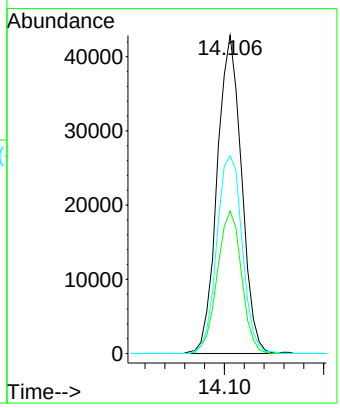




#91
1,2-Dichlorobenzene
Concen: 17.997 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:146 Resp: 73040

Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.0	66.0
148	65.0	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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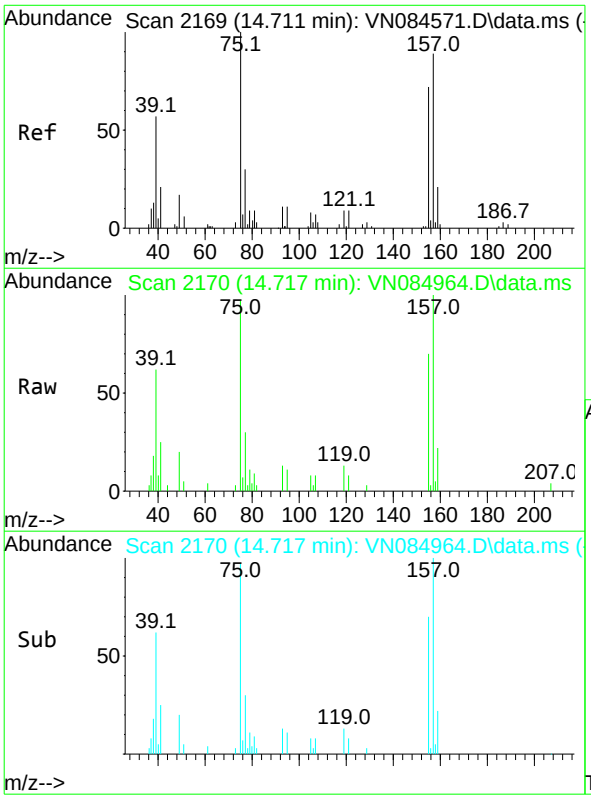
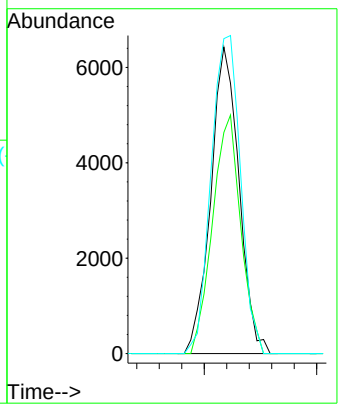
Supervised By :Mahesh Dadoda 11/21/2024

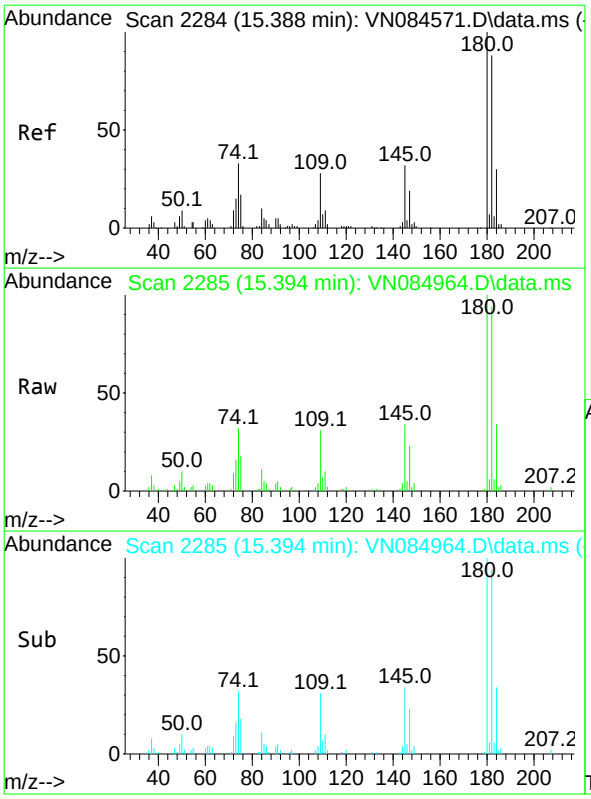


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.605 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 75 Resp: 11216

Ion	Ratio	Lower	Upper
75	100		
155	77.4	38.1	114.5
157	107.5	49.6	149.0

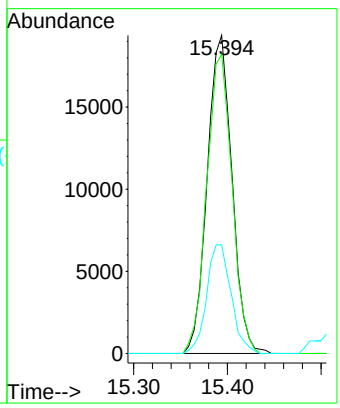




#93
1,2,4-Trichlorobenzene
Concen: 15.994 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:180 Resp: 35527

Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.0	141.0
145	33.8	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Manual Integrations
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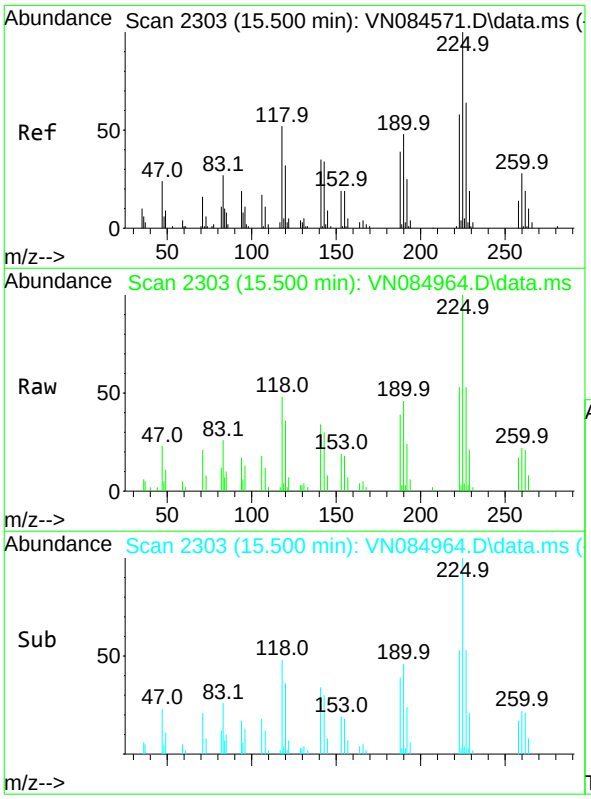
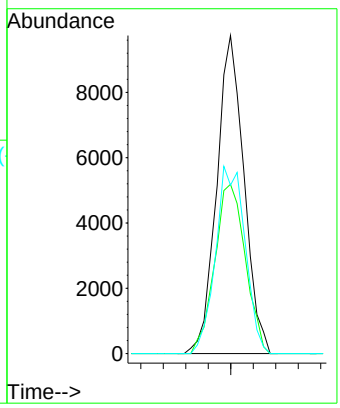
Supervised By :Mahesh Dadoda 11/21/2024

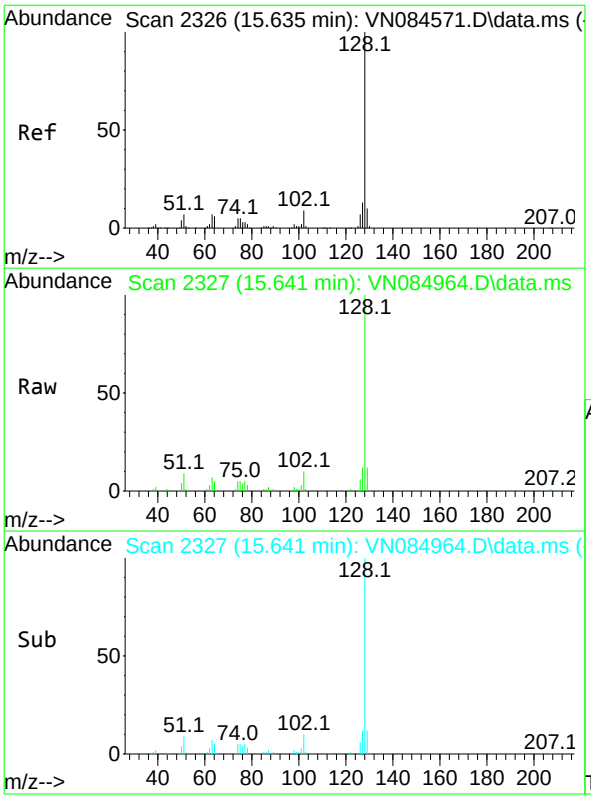


#94
Hexachlorobutadiene
Concen: 16.836 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:225 Resp: 16423

Ion	Ratio	Lower	Upper
225	100		
223	59.8	32.4	97.2
227	63.6	32.4	97.0

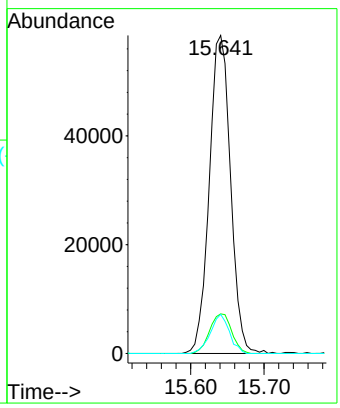




#95
Naphthalene
Concen: 17.697 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:128 Resp: 117662

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	11.1	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

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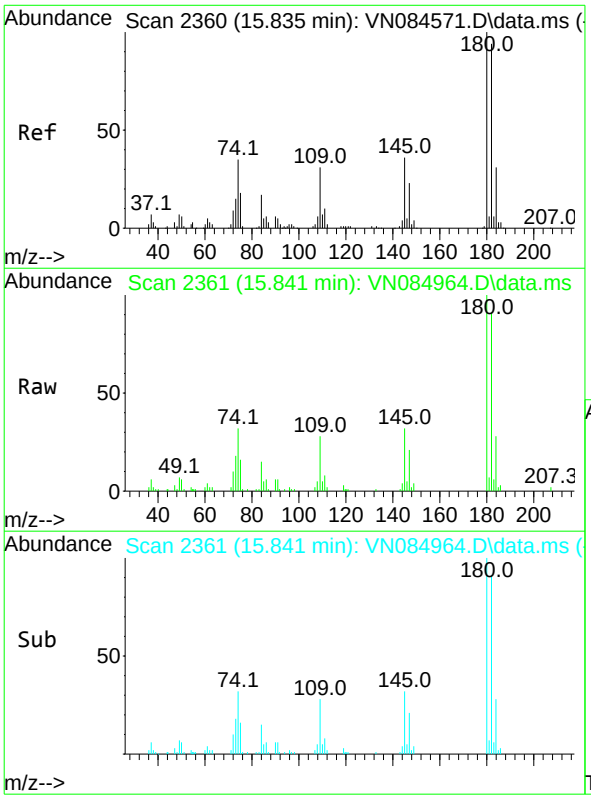
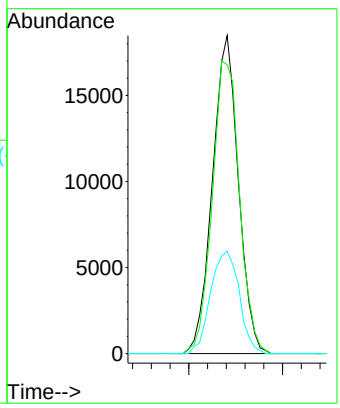
Supervised By :Mahesh Dadoda 11/21/2024



#96
1,2,3-Trichlorobenzene
Concen: 16.478 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:180 Resp: 35531

Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.2	144.6
145	35.5	17.3	51.9



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VN1122WBS01	SDG No.:	P4845
Lab Sample ID:	VN1122WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085014.D	1		11/22/24 18:05	VN112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	22.1		0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	20.3		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	21.8		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	20.8		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	20.5		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	22.1		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	22.4		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	22.3		0.26	0.75	1.00	ug/L
67-64-1	Acetone	130		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	19.9		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	23.1		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	22.8		0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	21.4		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	22.0		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	22.2		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	21.9		1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	120		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	22.9		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	22.3		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	17.4		0.18	0.50	1.00	ug/L
67-66-3	Chloroform	21.7		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	22.1		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	23.8		0.19	0.50	1.00	ug/L
71-43-2	Benzene	22.8		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	22.8		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	22.4		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	22.3		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	22.9		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	120		0.75	2.50	5.00	ug/L
108-88-3	Toluene	23.5		0.18	0.50	1.00	ug/L

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VN1122WBS01	SDG No.:	P4845
Lab Sample ID:	VN1122WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085014.D	1		11/22/24 18:05	VN112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	22.7		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	23.2		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	24.0		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	130		1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	23.1		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	23.3		0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	21.9		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	21.3		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	22.7		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	46.0		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	23.3		0.14	0.50	1.00	ug/L
100-42-5	Styrene	23.9		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	22.6		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	22.7		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.3		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.8		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.3		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.1		0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	21.2		0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.6		0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.7		0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.7		81 - 118		95%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	49.9		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	185000	8.218				
540-36-3	1,4-Difluorobenzene	303000	9.1				
3114-55-4	Chlorobenzene-d5	266000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	132000	13.788				

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VN1122WBS01	SDG No.:	P4845
Lab Sample ID:	VN1122WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085014.D	1		11/22/24 18:05	VN112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085014.D
Acq On : 22 Nov 2024 18:05
Operator : JC\MD
Sample : VN1122WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 23 03:23:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	185321	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	303227	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	265687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	132118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	126044	47.748	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.500%			
35) Dibromofluoromethane	8.159	113	98907	48.369	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.740%			
50) Toluene-d8	10.565	98	365634	49.893	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.780%			
62) 4-Bromofluorobenzene	12.847	95	137582	50.202	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	46364	22.125	ug/l	100
3) Chloromethane	2.359	50	49242	20.260	ug/l	94
4) Vinyl Chloride	2.512	62	47554	21.772	ug/l	99
5) Bromomethane	2.906	94	25524	20.849	ug/l	93
6) Chloroethane	3.083	64	30153	20.482	ug/l	95
7) Trichlorofluoromethane	3.477	101	82253	22.138	ug/l	95
8) Diethyl Ether	3.953	74	29003	22.934	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.359	101	47137	22.368	ug/l	98
10) Methyl Iodide	4.583	142	61826	22.164	ug/l	95
11) Tert butyl alcohol	5.524	59	37391	105.997	ug/l	97
12) 1,1-Dichloroethene	4.324	96	43856	22.296	ug/l	92
13) Acrolein	4.171	56	25492	108.300	ug/l	98
14) Allyl chloride	5.006	41	72929	21.993	ug/l	99
15) Acrylonitrile	5.712	53	112125	112.270	ug/l	99
16) Acetone	4.424	43	97740	127.133	ug/l	100
17) Carbon Disulfide	4.700	76	115482	19.891	ug/l	98
18) Methyl Acetate	5.018	43	57461	22.759	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	148177	23.056	ug/l	99
20) Methylene Chloride	5.259	84	50288	21.436	ug/l	98
21) trans-1,2-Dichloroethene	5.777	96	45570	22.015	ug/l	93
22) Diisopropyl ether	6.665	45	154166	23.100	ug/l	99
23) Vinyl Acetate	6.595	43	537133	116.663	ug/l	99
24) 1,1-Dichloroethane	6.565	63	88675	22.203	ug/l	99
25) 2-Butanone	7.477	43	150172	119.476	ug/l	98
26) 2,2-Dichloropropane	7.483	77	82980	22.251	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	55551	22.261	ug/l	99
28) Bromochloromethane	7.812	49	26201	17.379	ug/l	97
29) Tetrahydrofuran	7.836	42	91619	117.214	ug/l	99
30) Chloroform	7.959	83	92175	21.697	ug/l	98
31) Cyclohexane	8.253	56	77046	21.911	ug/l	90
32) 1,1,1-Trichloroethane	8.159	97	84738	22.073	ug/l	99
36) 1,1-Dichloropropene	8.365	75	62276	22.484	ug/l	100
37) Ethyl Acetate	7.553	43	58707	23.315	ug/l	99
38) Carbon Tetrachloride	8.359	117	73184	22.891	ug/l	97
39) Methylcyclohexane	9.594	83	68614	23.840	ug/l	97
40) Benzene	8.600	78	199910	22.820	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085014.D
Acq On : 22 Nov 2024 18:05
Operator : JC\MD
Sample : VN1122WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 23 03:23:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.771	41	31809	22.816 ug/l	94
42) 1,2-Dichloroethane	8.665	62	68359	22.810 ug/l	99
43) Isopropyl Acetate	8.683	43	110881	21.200 ug/l	97
44) Trichloroethene	9.347	130	45534	22.366 ug/l	99
45) 1,2-Dichloropropane	9.618	63	48072	22.280 ug/l	93
46) Dibromomethane	9.706	93	33600	22.411 ug/l	98
47) Bromodichloromethane	9.883	83	72806	22.912 ug/l	93
48) Methyl methacrylate	9.677	41	47665	24.490 ug/l	96
49) 1,4-Dioxane	9.694	88	15379	455.638 ug/l #	91
51) 4-Methyl-2-Pentanone	10.441	43	294939	123.459 ug/l	100
52) Toluene	10.624	92	121997	23.524 ug/l	99
53) t-1,3-Dichloropropene	10.830	75	72346	22.709 ug/l	98
54) cis-1,3-Dichloropropene	10.306	75	78468	23.218 ug/l	96
55) 1,1,2-Trichloroethane	11.012	97	46329	23.984 ug/l	98
56) Ethyl methacrylate	10.871	69	70594	25.010 ug/l	99
57) 1,3-Dichloropropane	11.159	76	78133	22.982 ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	147192	106.307 ug/l	100
59) 2-Hexanone	11.194	43	224080	125.414 ug/l	100
60) Dibromochloromethane	11.359	129	54461	23.069 ug/l	97
61) 1,2-Dibromoethane	11.465	107	46584	23.302 ug/l	96
64) Tetrachloroethene	11.100	164	39229	21.912 ug/l	96
65) Chlorobenzene	11.888	112	128475	21.322 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	47122	22.212 ug/l	99
67) Ethyl Benzene	11.959	91	221527	22.661 ug/l	99
68) m/p-Xylenes	12.071	106	171105	45.974 ug/l	99
69) o-Xylene	12.394	106	82572	23.324 ug/l	100
70) Styrene	12.412	104	140988	23.947 ug/l	98
71) Bromoform	12.576	173	35645	22.635 ug/l #	97
73) Isopropylbenzene	12.694	105	211166	22.656 ug/l	99
74) N-amyl acetate	12.494	43	86413	22.499 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	67742	21.284 ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	61695m	25.673 ug/l	
77) Bromobenzene	12.982	156	51251	20.433 ug/l	96
78) n-propylbenzene	13.035	91	241081	22.425 ug/l	99
79) 2-Chlorotoluene	13.123	91	155771	21.706 ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	177473	22.692 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	23051	21.175 ug/l	93
82) 4-Chlorotoluene	13.218	91	158323	21.193 ug/l	99
83) tert-Butylbenzene	13.435	119	149265	22.181 ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	185826	23.082 ug/l	98
85) sec-Butylbenzene	13.612	105	208641	22.952 ug/l	99
86) p-Isopropyltoluene	13.729	119	175205	23.348 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	97891	19.787 ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	97493	19.311 ug/l	99
89) n-Butylbenzene	14.053	91	148417	21.267 ug/l	98
90) Hexachloroethane	14.329	117	33677	20.589 ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	95083	20.057 ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	13061	21.222 ug/l	99
93) 1,2,4-Trichlorobenzene	15.388	180	48028	18.648 ug/l	95
94) Hexachlorobutadiene	15.500	225	23471	19.747 ug/l	98
95) Naphthalene	15.641	128	147280	20.078 ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	48372	19.684 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085014.D
Acq On : 22 Nov 2024 18:05
Operator : JC\MD
Sample : VN1122WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 23 03:23:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085014.D
Acq On : 22 Nov 2024 18:05
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Quant Time: Nov 23 03:23:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Manual Integrations APPROVED

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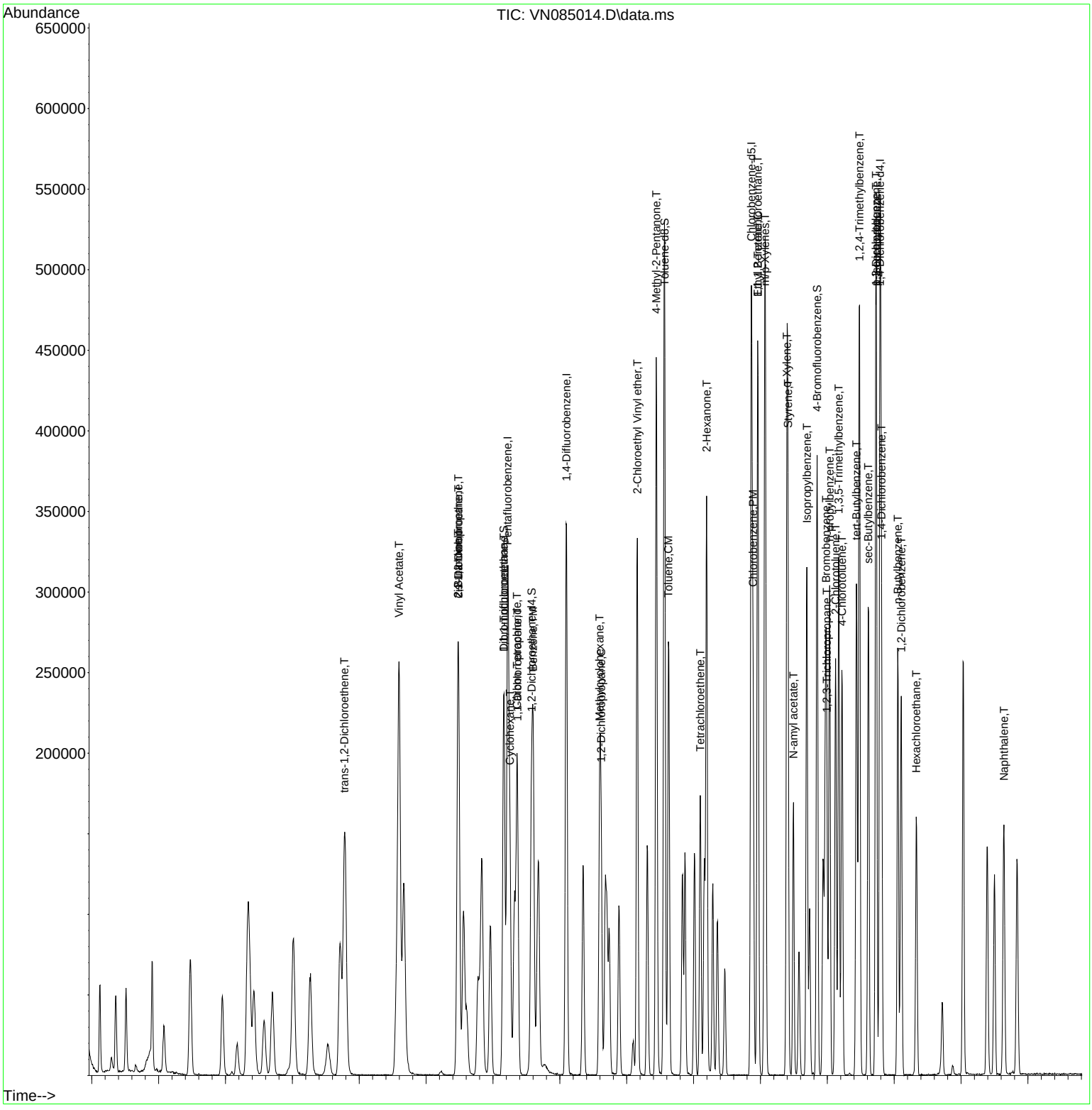
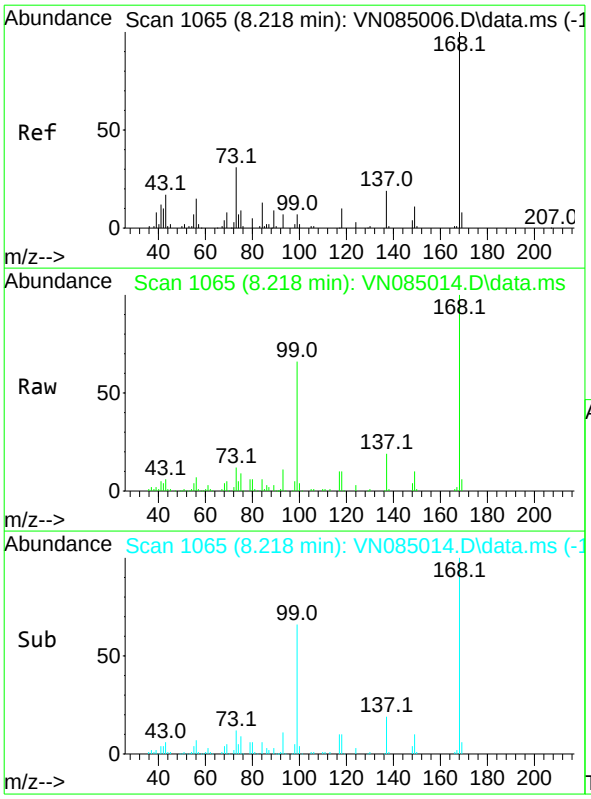
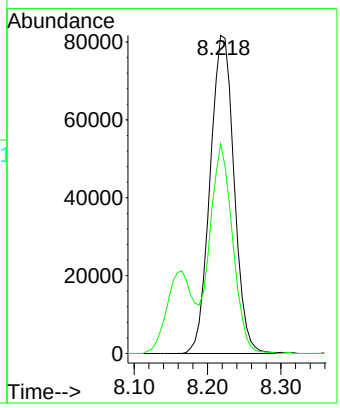




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:168 Resp: 185321

Ion	Ratio	Lower	Upper
168	100		
99	65.9	51.2	76.8



Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Manual Integrations APPROVED

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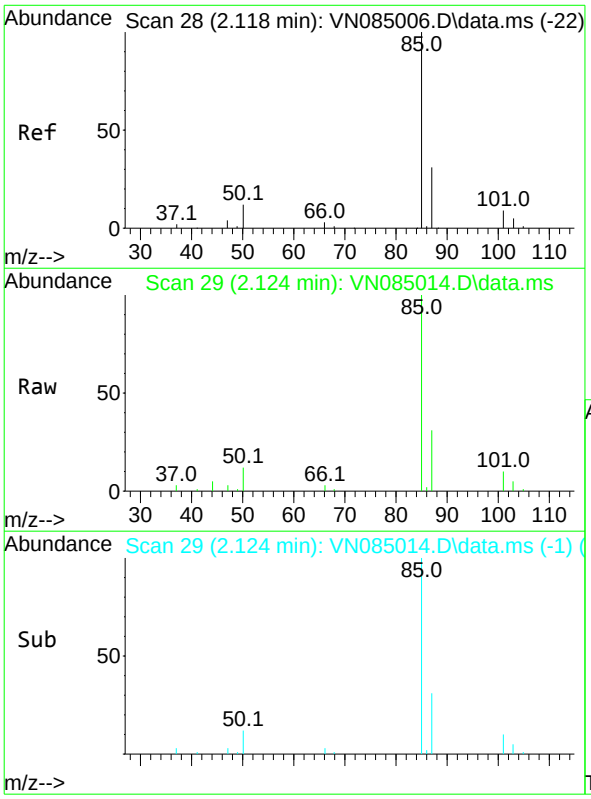
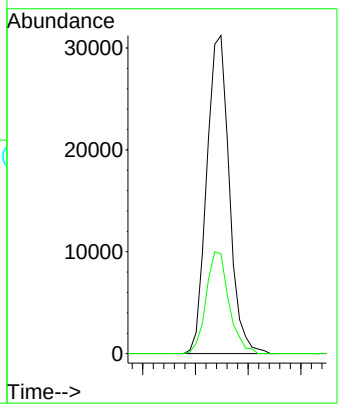
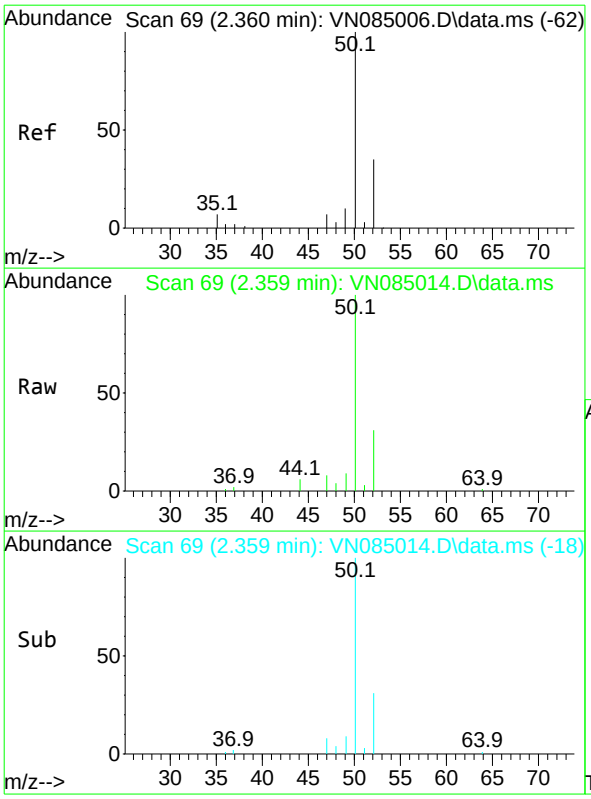


#2
Dichlorodifluoromethane
Concen: 22.125 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 85 Resp: 46364

Ion	Ratio	Lower	Upper
85	100		
87	31.3	15.7	47.1

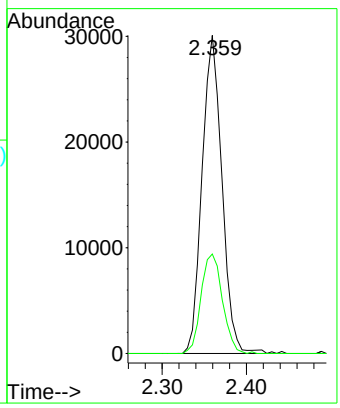




#3
Chloromethane
Concen: 20.260 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 50 Resp: 49242

Ion	Ratio	Lower	Upper
50	100		
52	31.3	27.8	41.8



Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Manual Integrations
APPROVED

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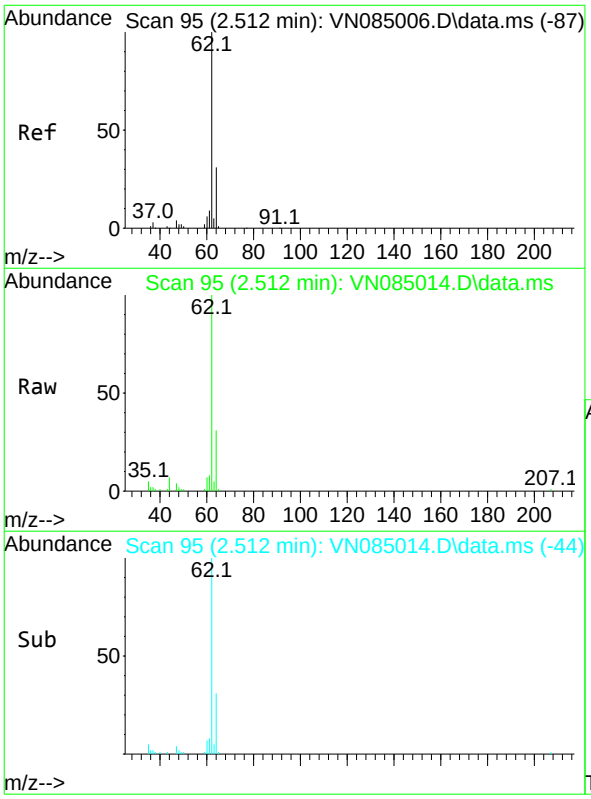
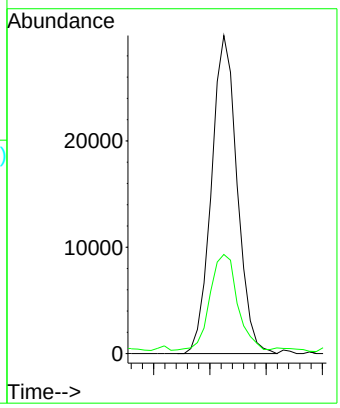
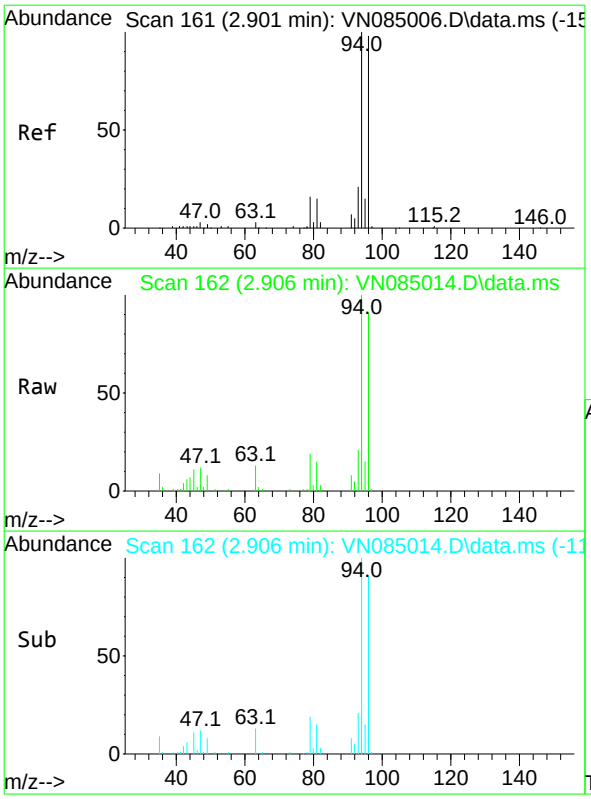


#4
Vinyl Chloride
Concen: 21.772 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 62 Resp: 47554

Ion	Ratio	Lower	Upper
62	100		
64	30.0	24.6	36.8

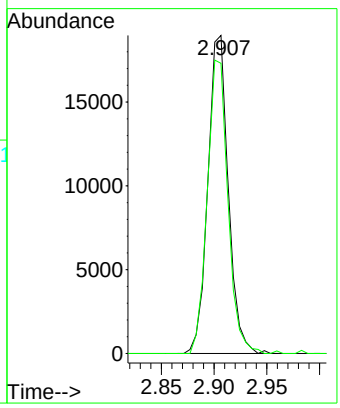




#5
Bromomethane
Concen: 20.849 ug/l
RT: 2.906 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 94 Resp: 25524

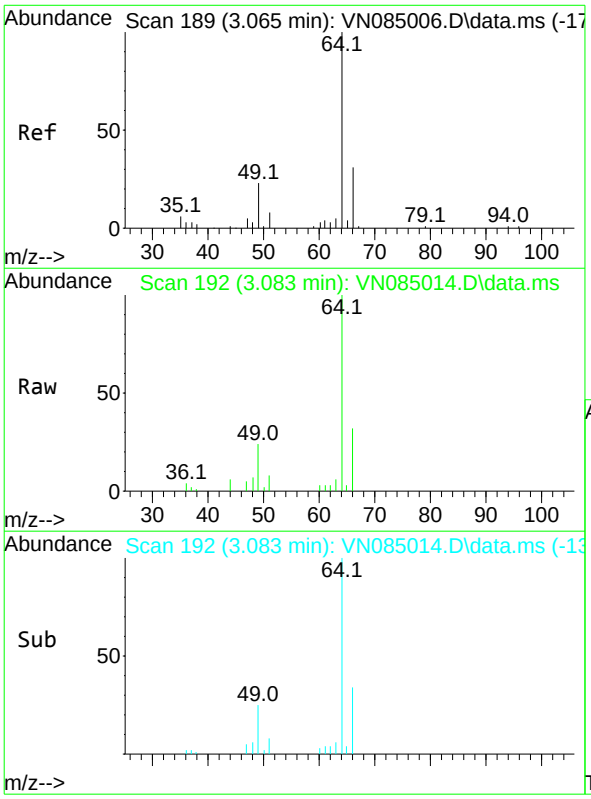
Ion	Ratio	Lower	Upper
94	100		
96	91.2	78.7	118.1



Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Manual Integrations APPROVED

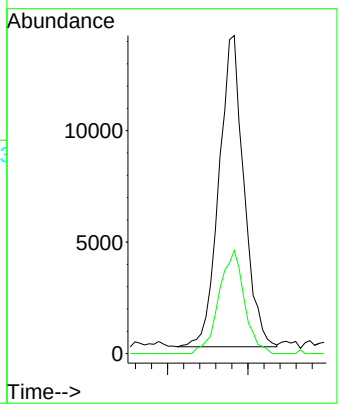
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

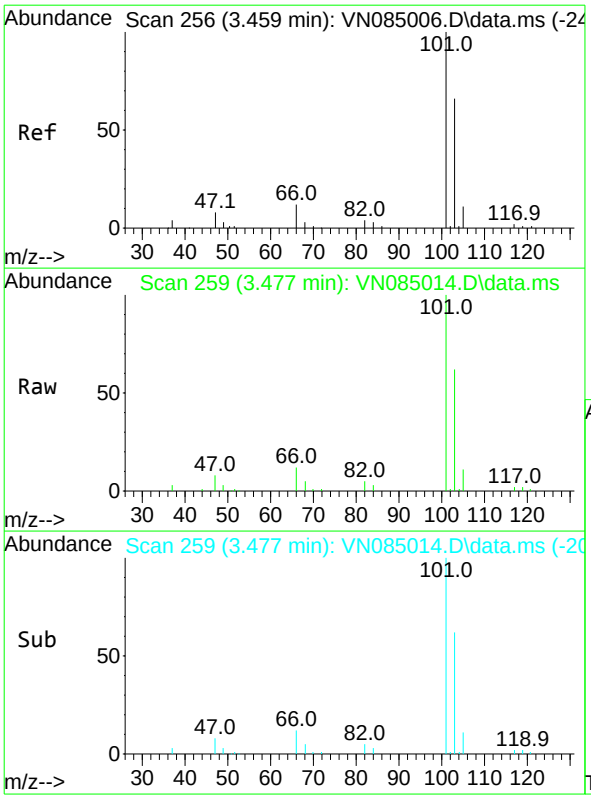


#6
Chloroethane
Concen: 20.482 ug/l
RT: 3.083 min Scan# 192
Delta R.T. 0.018 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 64 Resp: 30153

Ion	Ratio	Lower	Upper
64	100		
66	33.1	24.4	36.6

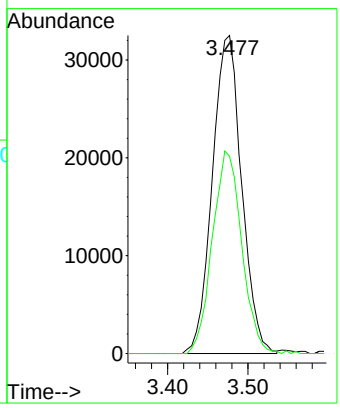




#7
Trichlorofluoromethane
Concen: 22.138 ug/l
RT: 3.477 min Scan# 25
Delta R.T. 0.018 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:101 Resp: 82253

Ion	Ratio	Lower	Upper
101	100		
103	62.0	52.6	78.8



Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

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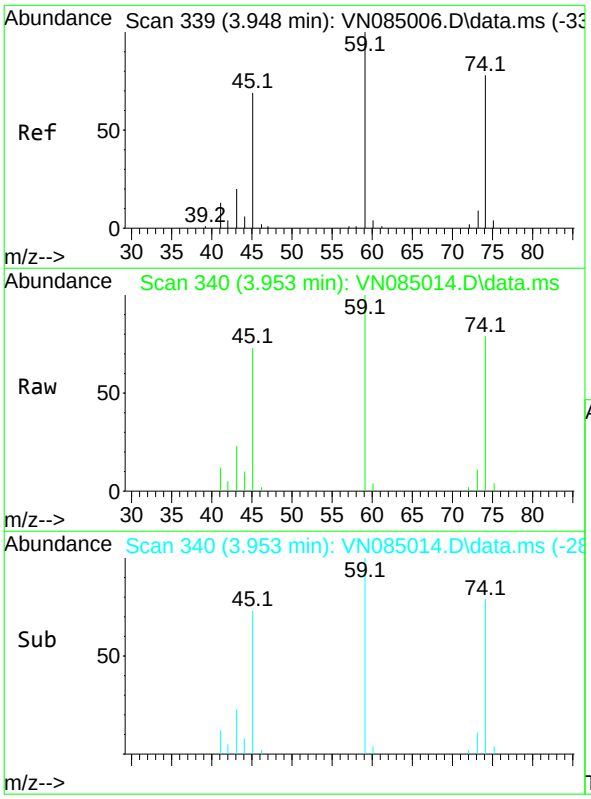
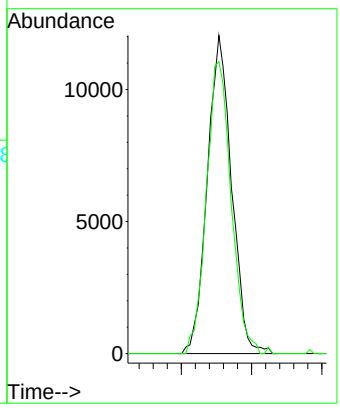
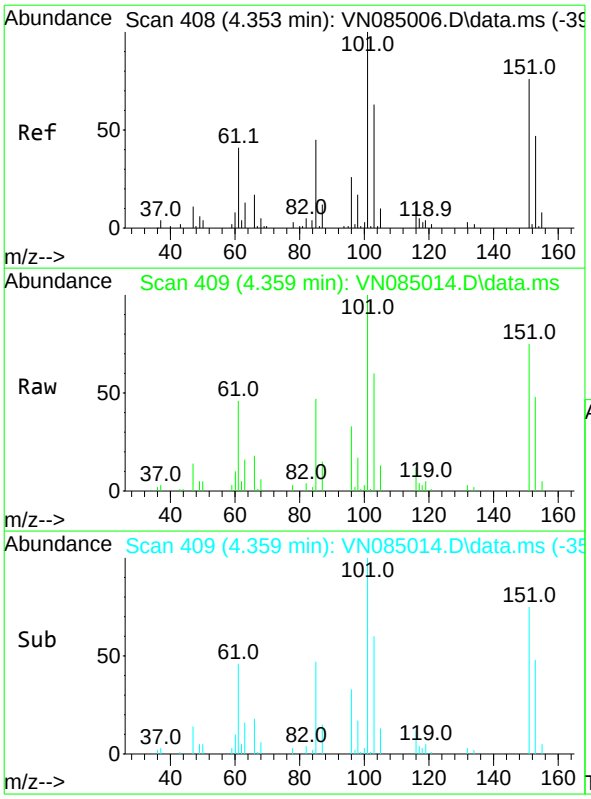


#8
Diethyl Ether
Concen: 22.934 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 74 Resp: 29003

Ion	Ratio	Lower	Upper
74	100		
45	93.4	46.7	140.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.368 ug/l
RT: 4.359 min Scan# 40
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:101 Resp: 47137

Ion	Ratio	Lower	Upper
101	100		
85	43.7	36.9	55.3
151	75.6	60.8	91.2

Instrument :
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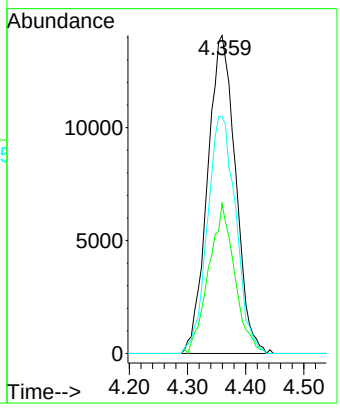
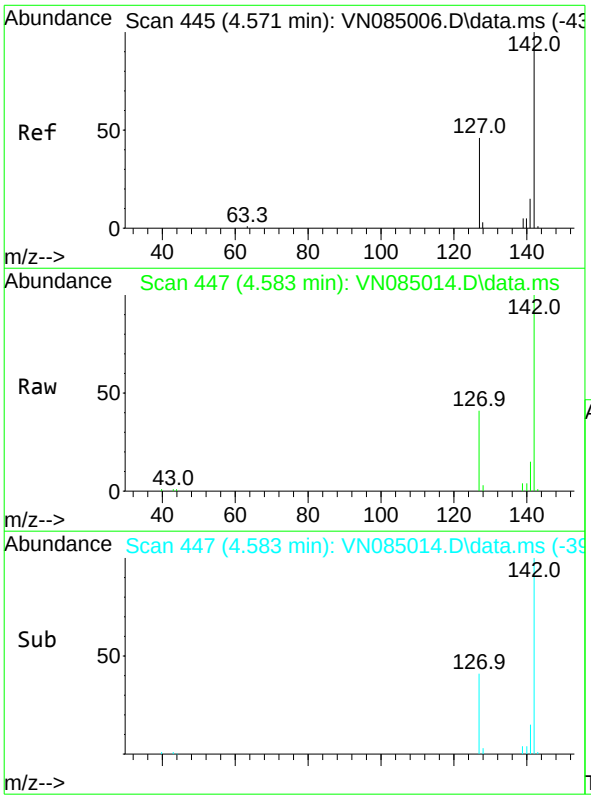
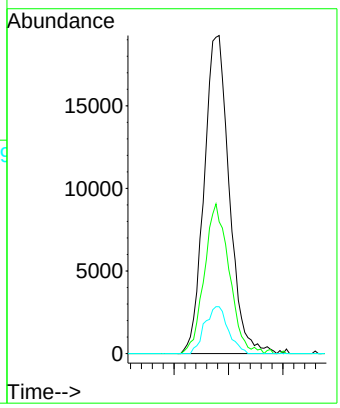


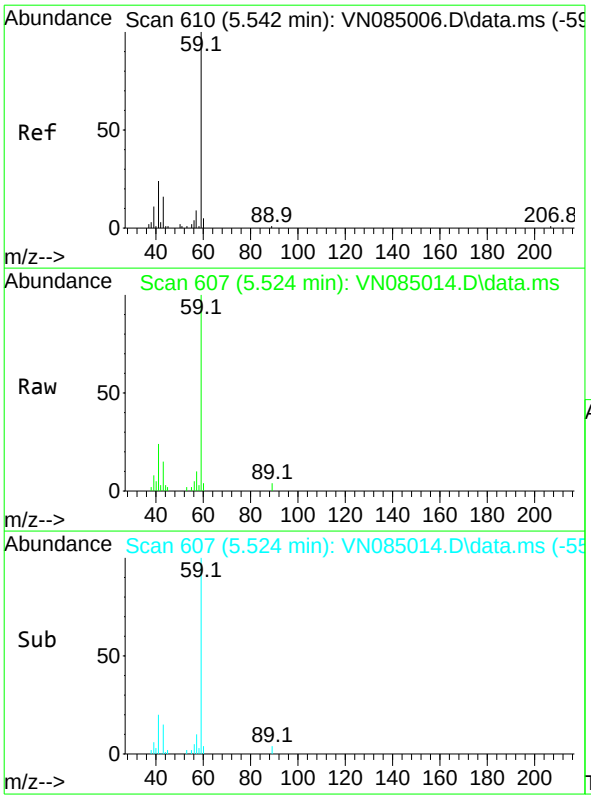


#10
Methyl Iodide
Concen: 22.164 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.012 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:142 Resp: 61826

Ion	Ratio	Lower	Upper
142	100		
127	41.4	36.6	54.8
141	14.7	12.2	18.4

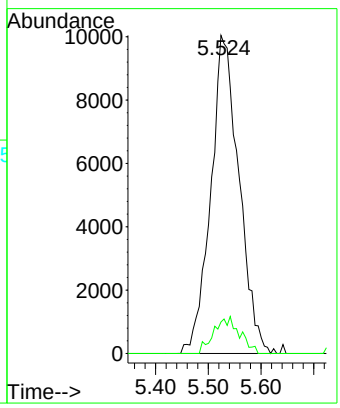




#11
Tert butyl alcohol
Concen: 105.997 ug/l
RT: 5.524 min Scan# 60
Delta R.T. -0.018 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 59 Resp: 37391

Ion	Ratio	Lower	Upper
59	100		
57	10.5	7.4	11.0



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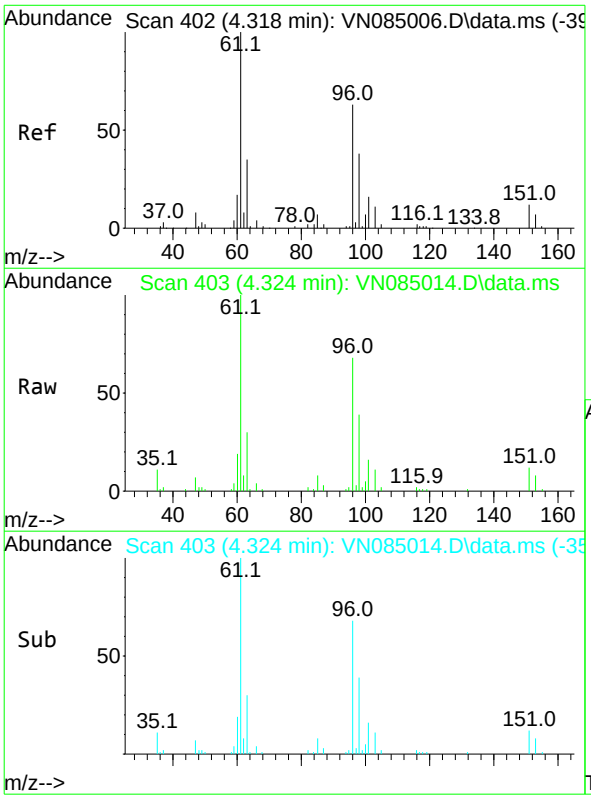
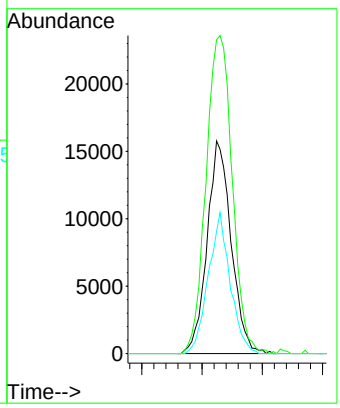
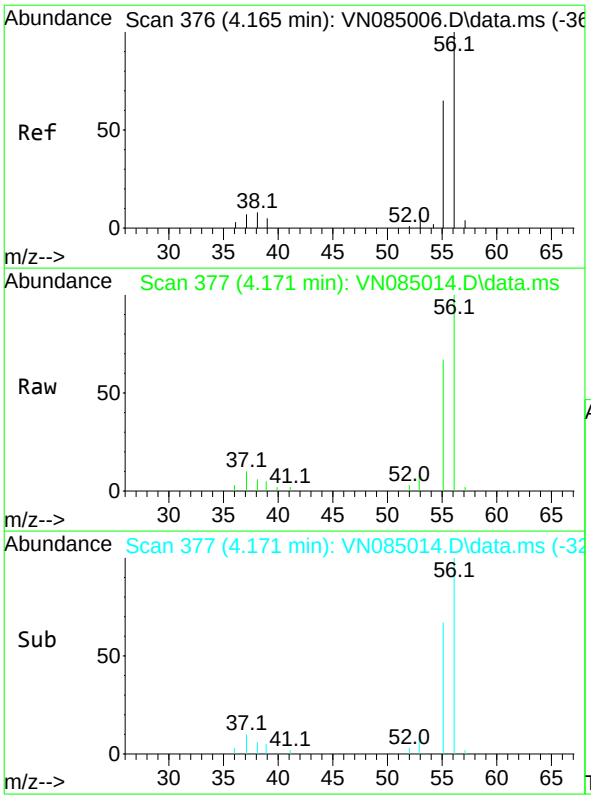


#12
1,1-Dichloroethene
Concen: 22.296 ug/l
RT: 4.324 min Scan# 403
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 96 Resp: 43856

Ion	Ratio	Lower	Upper
96	100		
61	147.6	127.8	191.8
98	57.5	49.2	73.8

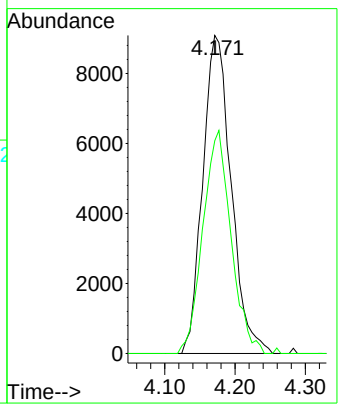




#13
Acrolein
Concen: 108.300 ug/l
RT: 4.171 min Scan# 37
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 56 Resp: 25492

Ion	Ratio	Lower	Upper
56	100		
55	69.6	54.5	81.7



Instrument :
MSVOA_N
ClientSampleId :
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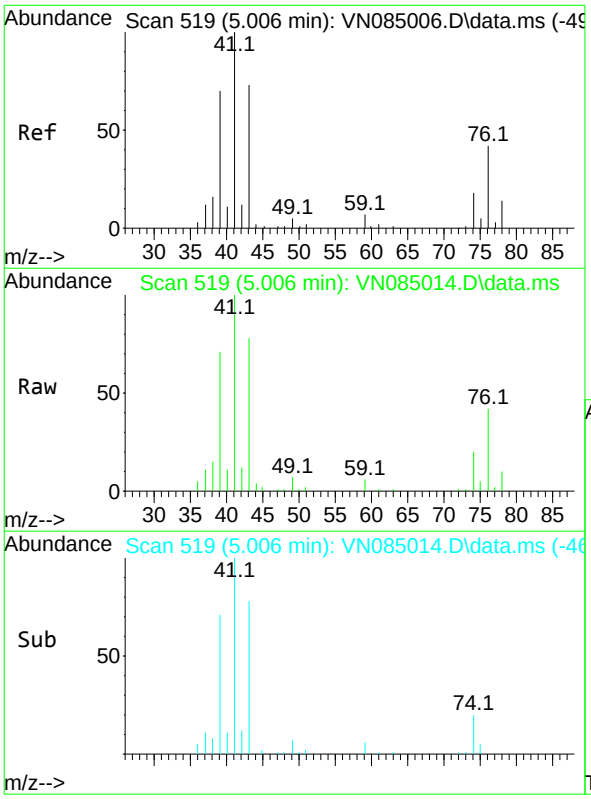
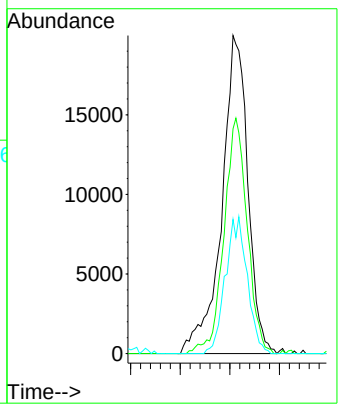
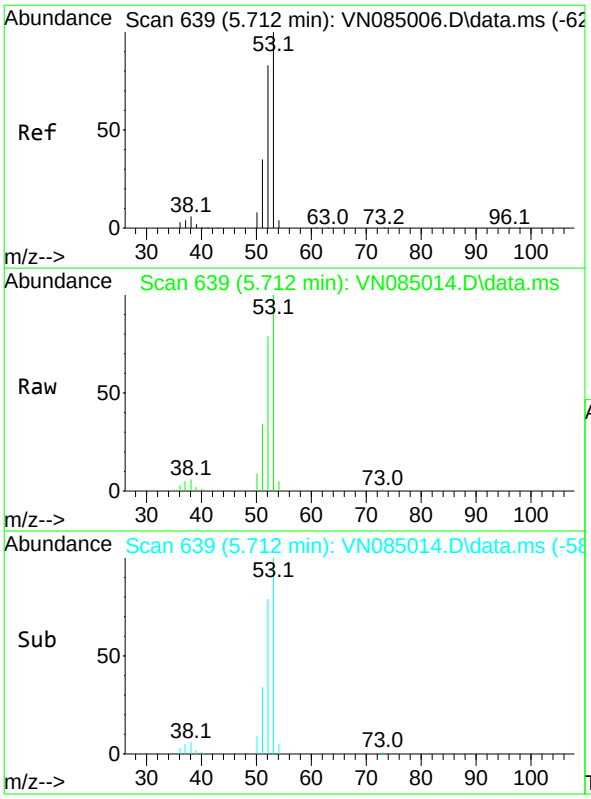


#14
Allyl chloride
Concen: 21.993 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 41 Resp: 72929

Ion	Ratio	Lower	Upper
41	100		
39	65.9	53.8	80.8
76	36.1	29.3	43.9

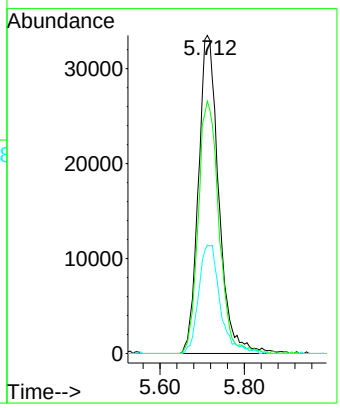




#15
Acrylonitrile
Concen: 112.270 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 53 Resp: 112125

Ion	Ratio	Lower	Upper
53	100		
52	80.5	65.5	98.3
51	36.0	28.4	42.6



Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

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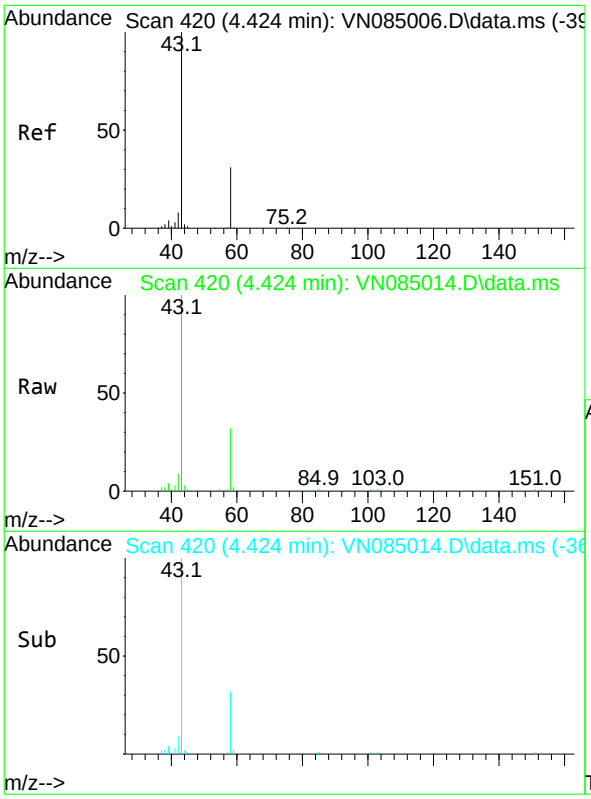
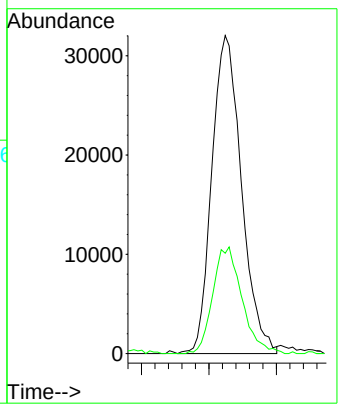
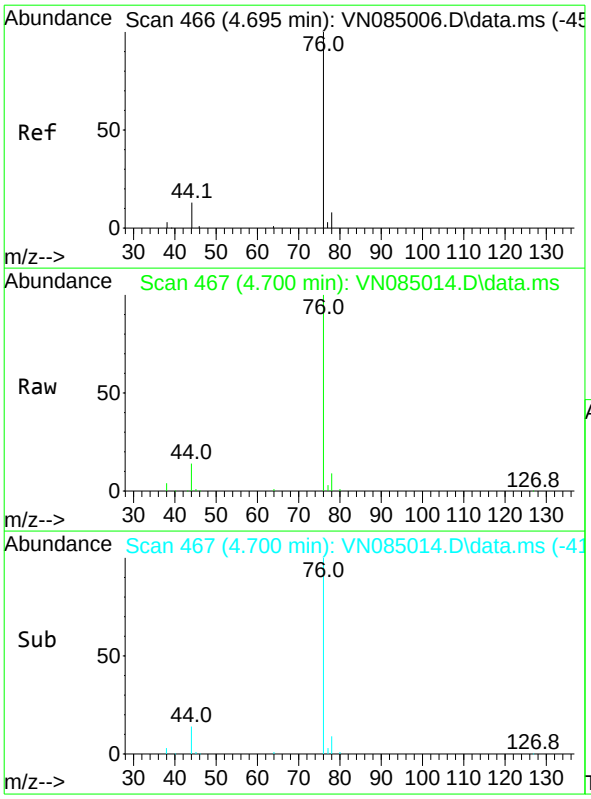


#16
Acetone
Concen: 127.133 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 43 Resp: 97740

Ion	Ratio	Lower	Upper
43	100		
58	31.6	25.4	38.2

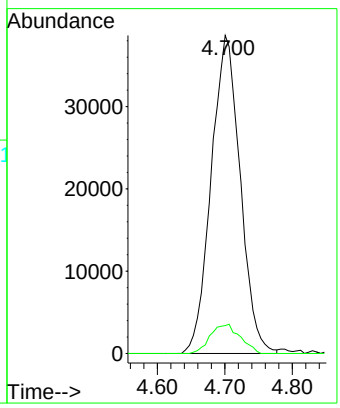




#17
Carbon Disulfide
Concen: 19.891 ug/l
RT: 4.700 min Scan# 46
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 76 Resp: 115482

Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.5	9.7



Instrument :
MSVOA_N
ClientSampleId :
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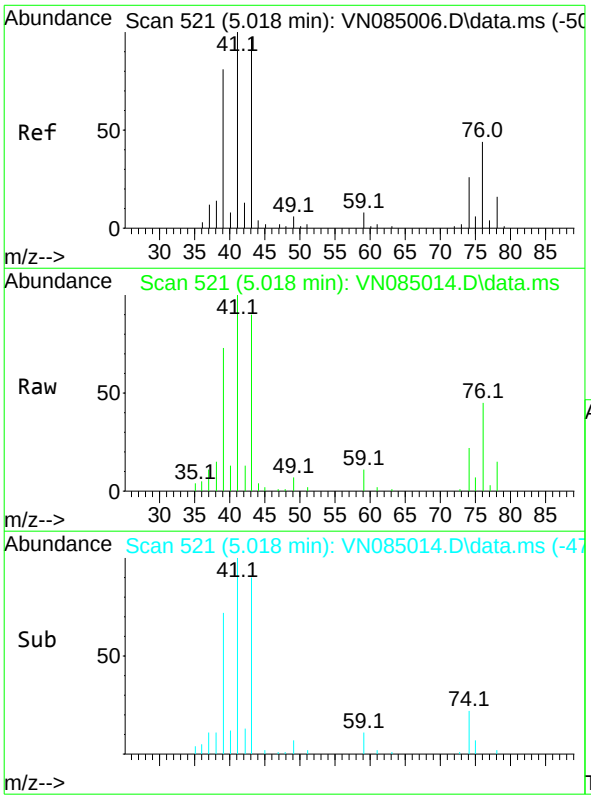
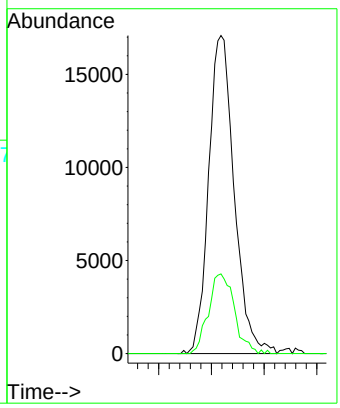
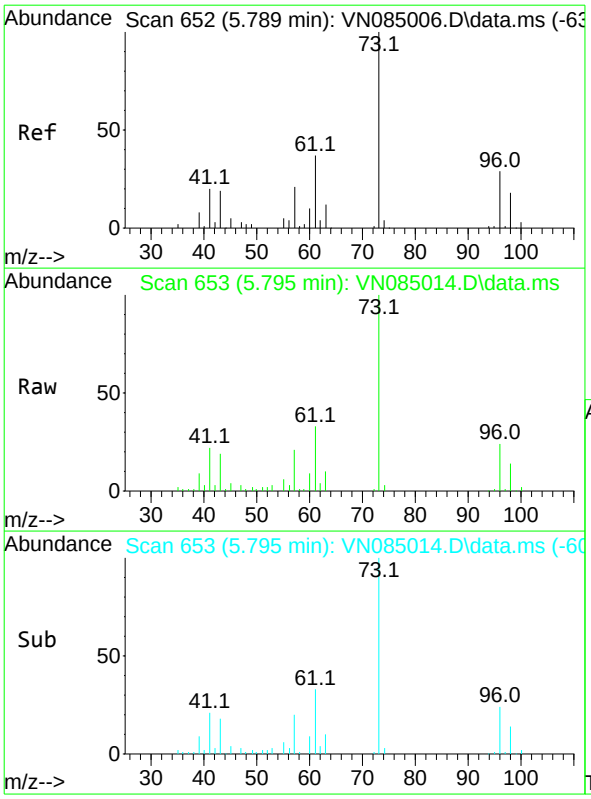


#18
Methyl Acetate
Concen: 22.759 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 43 Resp: 57461

Ion	Ratio	Lower	Upper
43	100		
74	25.3	20.1	30.1

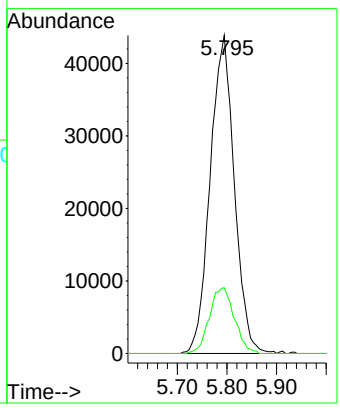




#19
Methyl tert-butyl Ether
Concen: 23.056 ug/l
RT: 5.795 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 73 Resp: 148177

Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.0	25.4



Instrument :
MSVOA_N
ClientSampleId :
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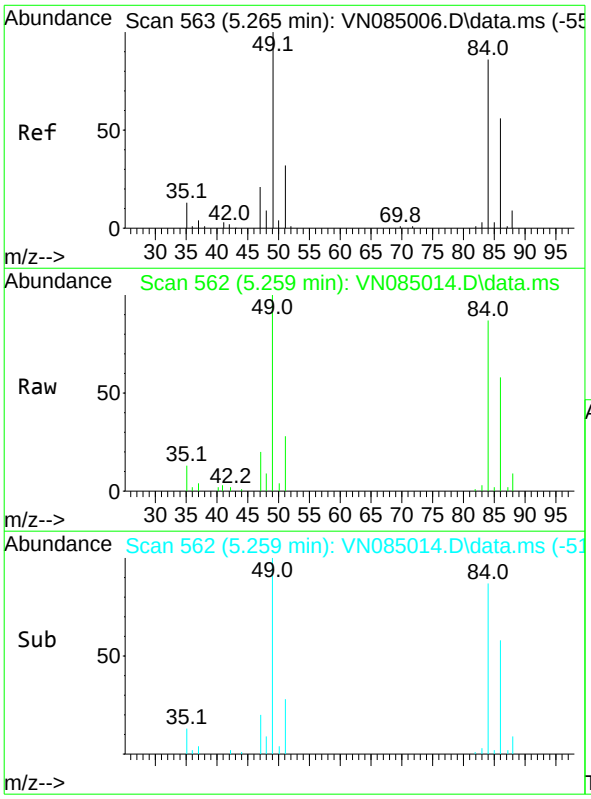
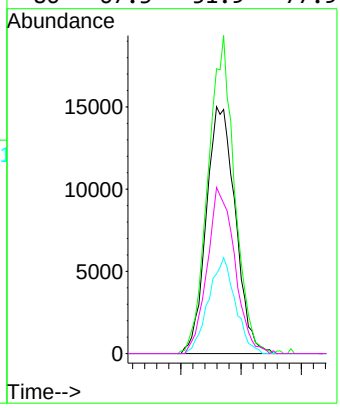
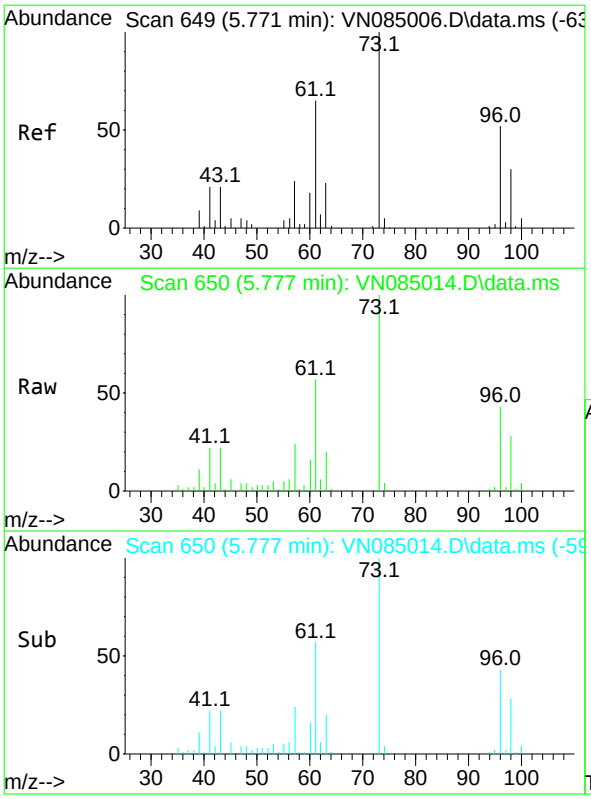


#20
Methylene Chloride
Concen: 21.436 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 84 Resp: 50288

Ion	Ratio	Lower	Upper
84	100		
49	115.4	92.7	139.1
51	32.3	29.4	44.2
86	67.3	51.9	77.9

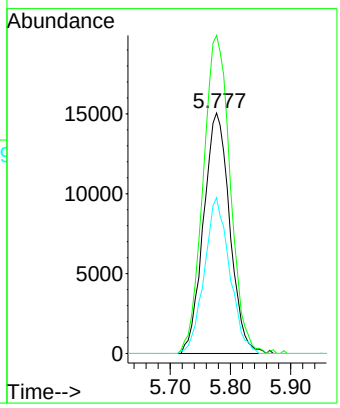




#21
trans-1,2-Dichloroethene
Concen: 22.015 ug/l
RT: 5.777 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 96 Resp: 45570

Ion	Ratio	Lower	Upper
96	100		
61	132.2	100.7	151.1
98	64.8	45.8	68.6



Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

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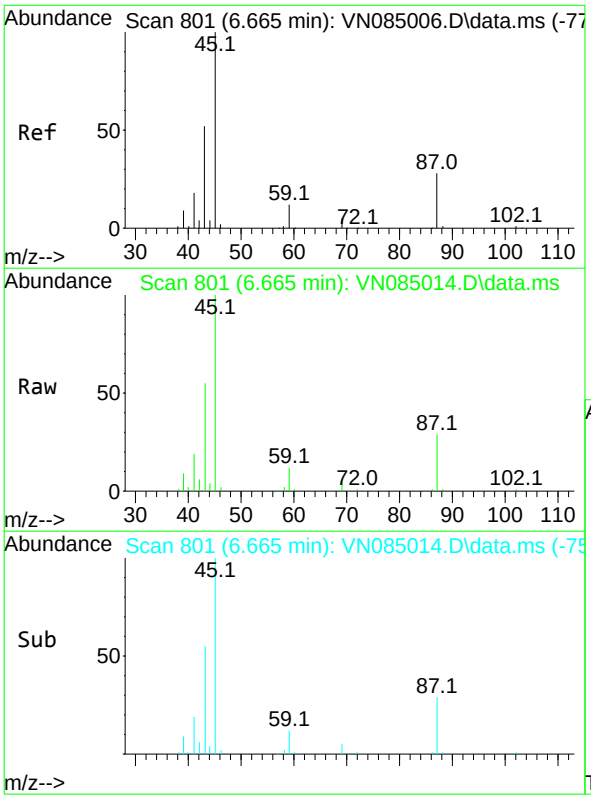
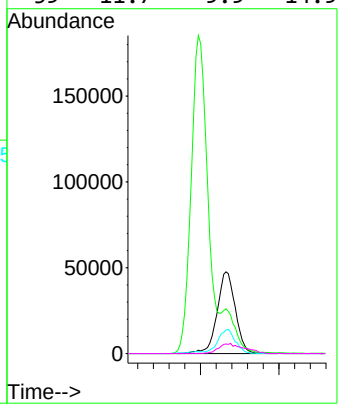
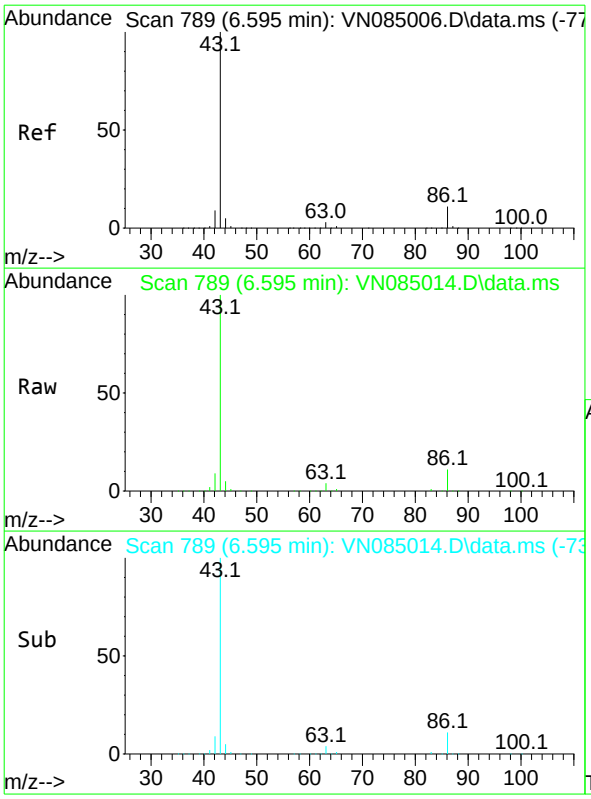


#22
Diisopropyl ether
Concen: 23.100 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 45 Resp: 154166

Ion	Ratio	Lower	Upper
45	100		
43	53.9	42.7	64.1
87	28.9	22.6	34.0
59	11.7	9.9	14.9

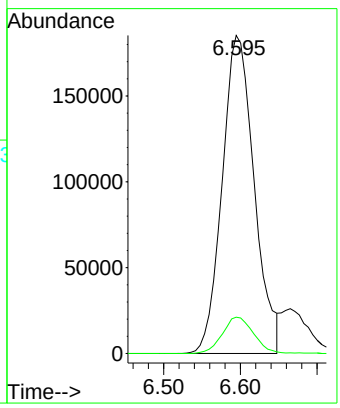




#23
Vinyl Acetate
Concen: 116.663 ug/l
RT: 6.595 min Scan# 78
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 43 Resp: 537133

Ion	Ratio	Lower	Upper
43	100		
86	11.4	8.9	13.3



Instrument :
MSVOA_N
ClientSampleId :
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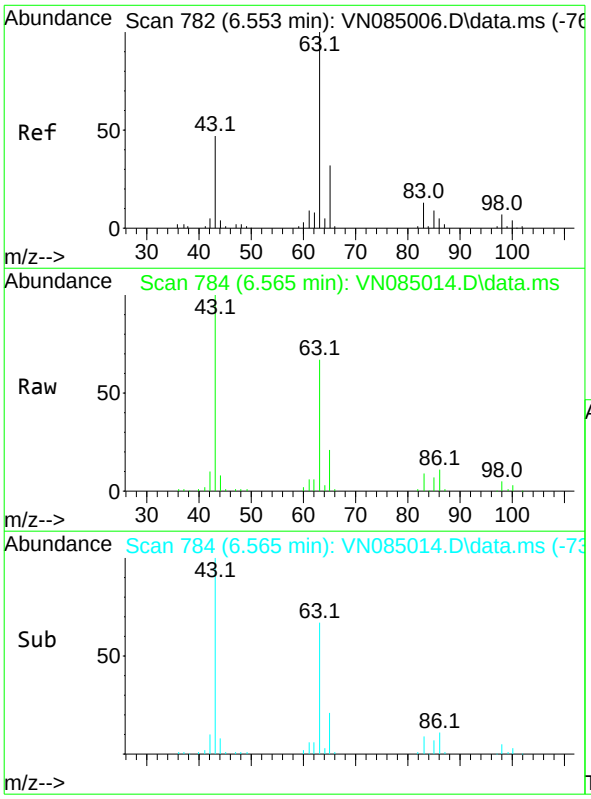
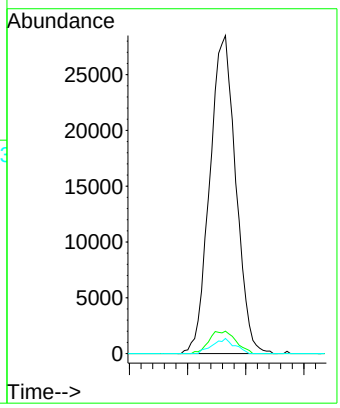
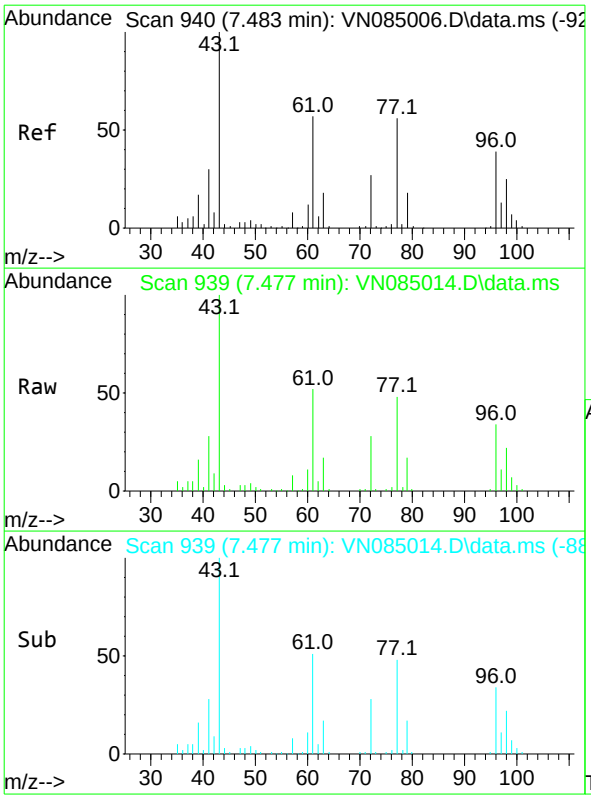


#24
1,1-Dichloroethane
Concen: 22.203 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.012 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 63 Resp: 88675

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.3	9.8
100	4.8	2.2	6.6

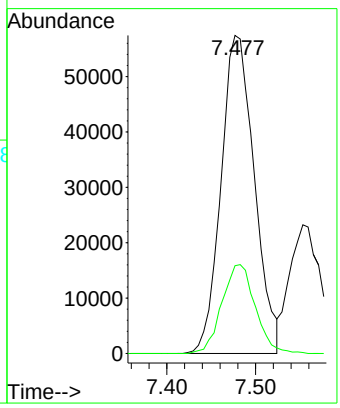




#25
2-Butanone
Concen: 119.476 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 43 Resp: 150172

Ion	Ratio	Lower	Upper
43	100		
72	27.6	21.4	32.0



Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

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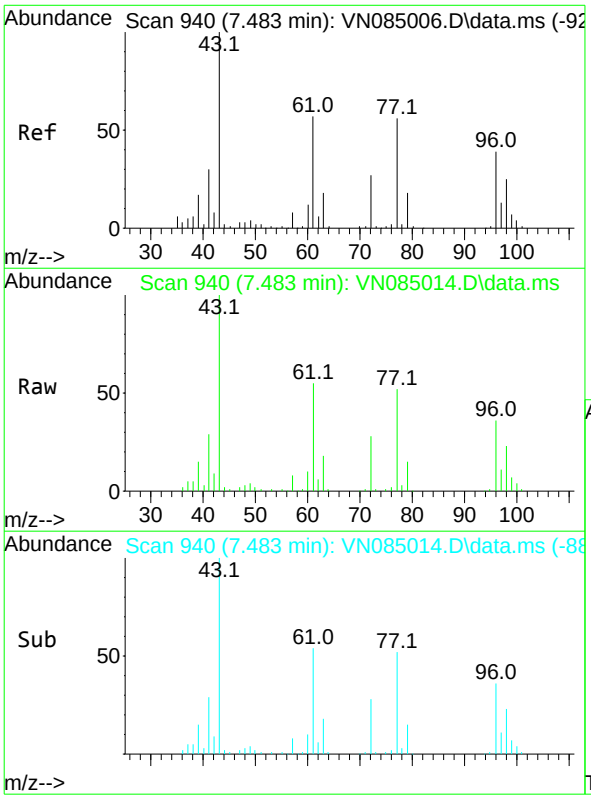
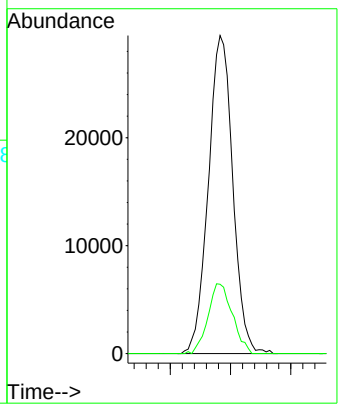
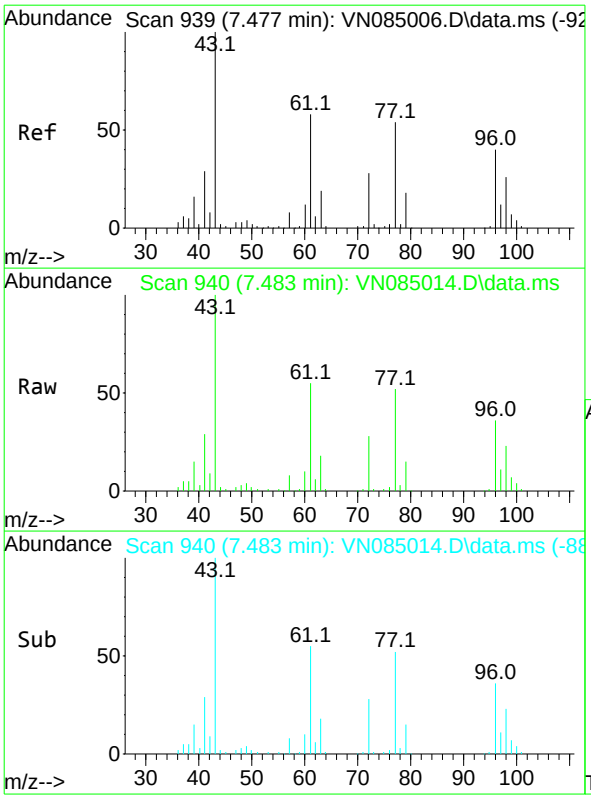


#26
2,2-Dichloropropane
Concen: 22.251 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 77 Resp: 82980

Ion	Ratio	Lower	Upper
77	100		
97	21.9	10.9	32.7

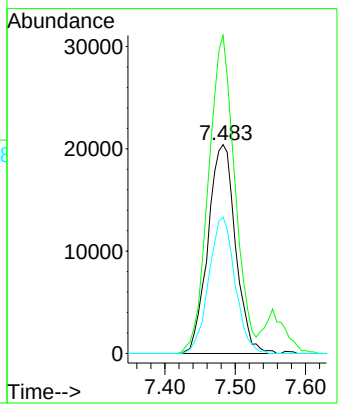




#27
cis-1,2-Dichloroethene
Concen: 22.261 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 96 Resp: 55551

Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	291.6
98	62.0	0.0	129.8



Instrument :
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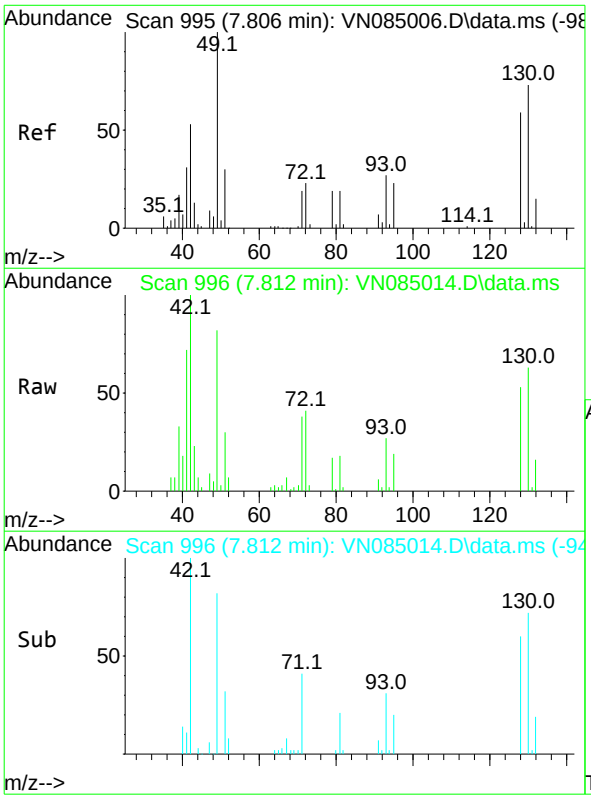
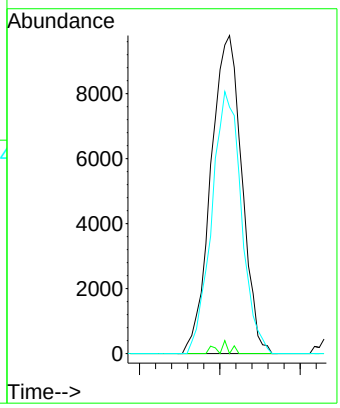
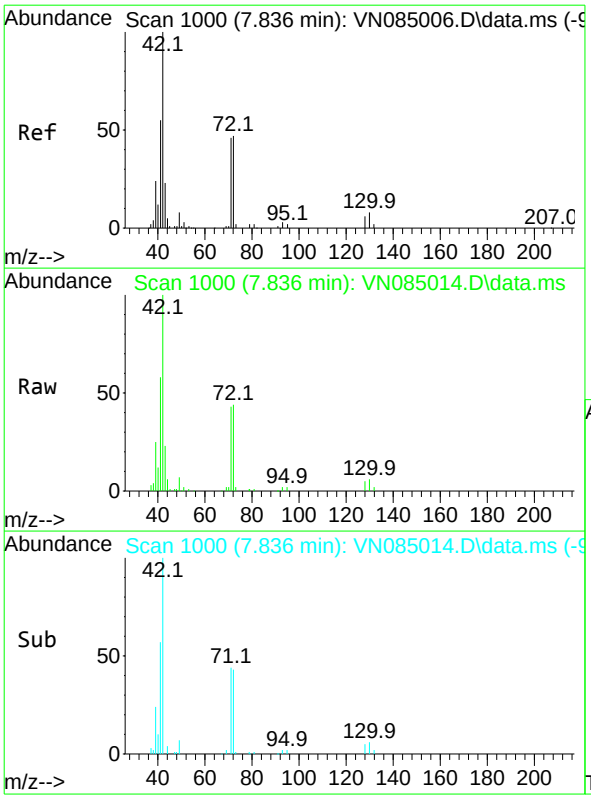


#28
Bromochloromethane
Concen: 17.379 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 49 Resp: 26201

Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	4.0
130	78.7	60.6	90.8

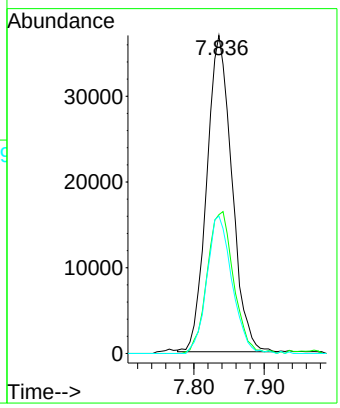




#29
Tetrahydrofuran
Concen: 117.214 ug/l
RT: 7.836 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 42 Resp: 91619

Ion	Ratio	Lower	Upper
42	100		
72	47.3	37.0	55.4
71	43.5	35.0	52.4



Instrument :
MSVOA_N
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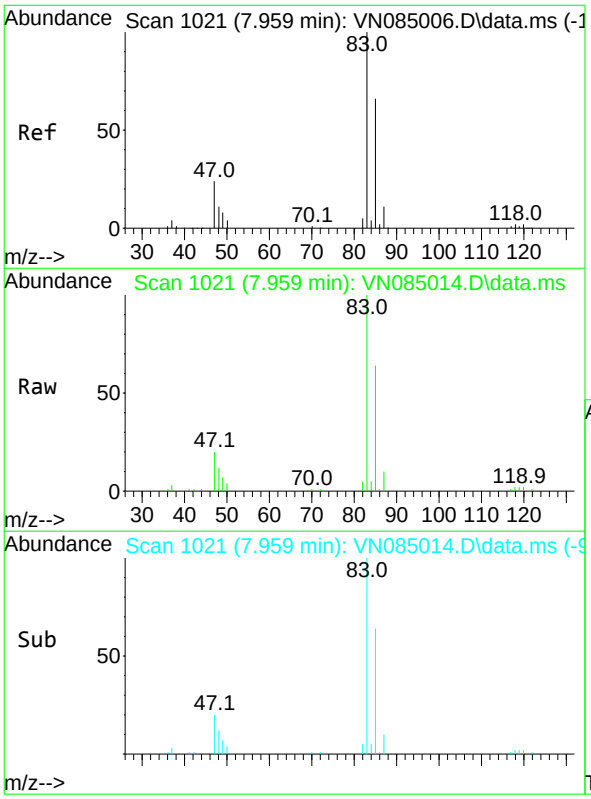
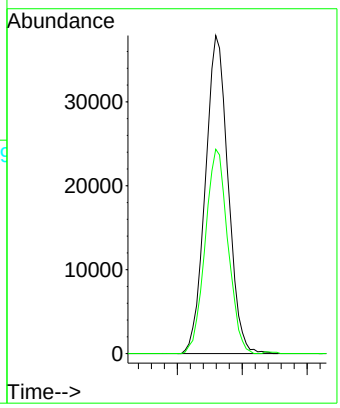
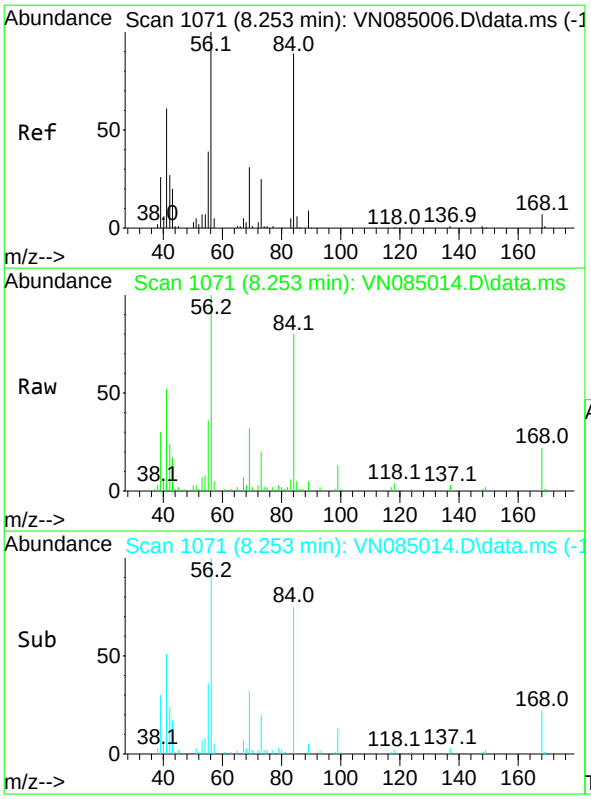


#30
Chloroform
Concen: 21.697 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 83 Resp: 92175

Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.6	78.8

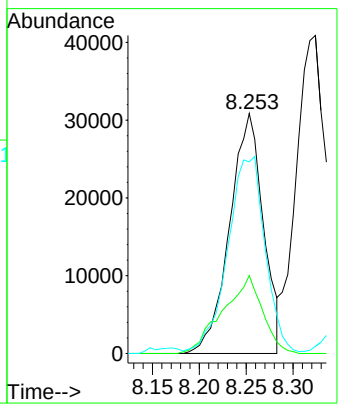




#31
Cyclohexane
Concen: 21.911 ug/l
RT: 8.253 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 56 Resp: 77046

Ion	Ratio	Lower	Upper
56	100		
69	32.4	24.6	36.8
84	78.0	71.4	107.2



Instrument :
MSVOA_N
ClientSampleId :
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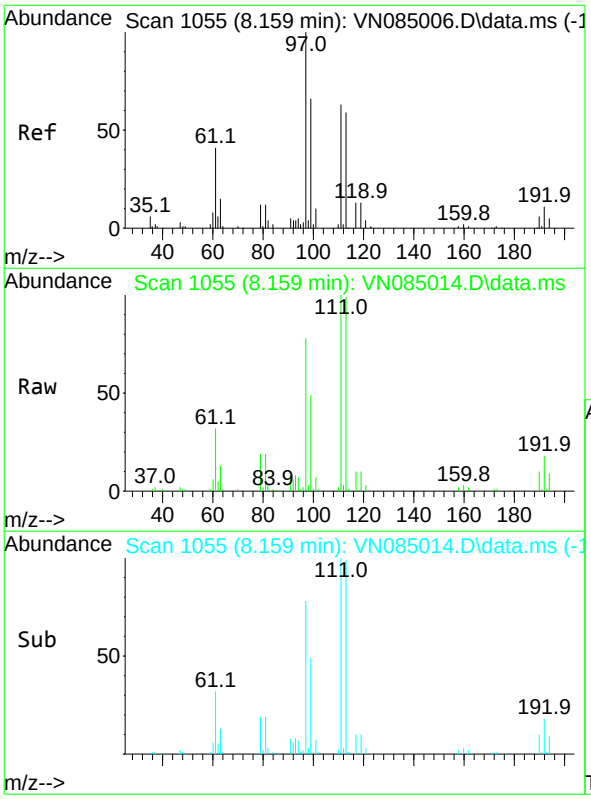
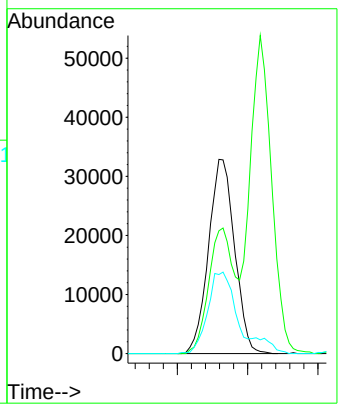
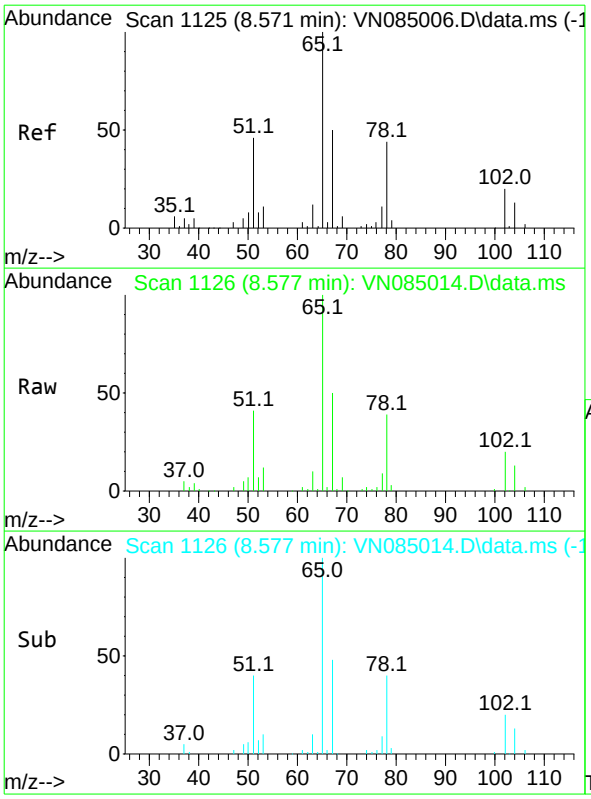


#32
1,1,1-Trichloroethane
Concen: 22.073 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 97 Resp: 84738

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.4
61	44.4	36.2	54.2

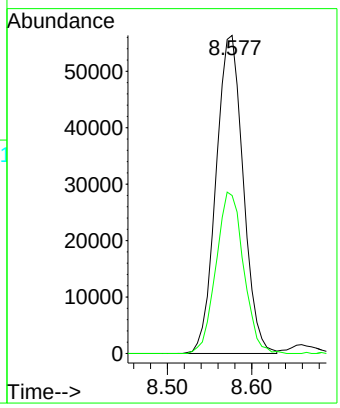




#33
1,2-Dichloroethane-d4
Concen: 47.748 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 65 Resp: 126044

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	105.0



Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

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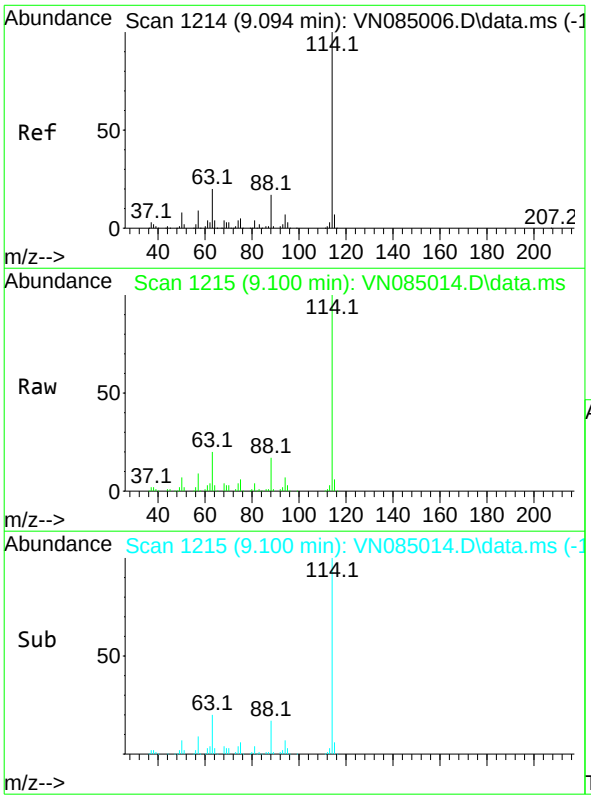
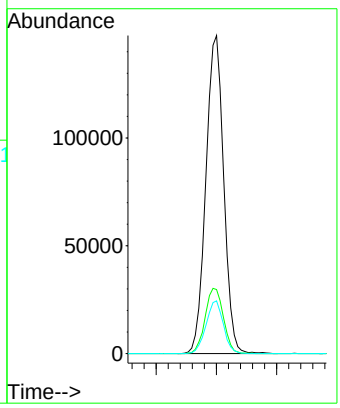
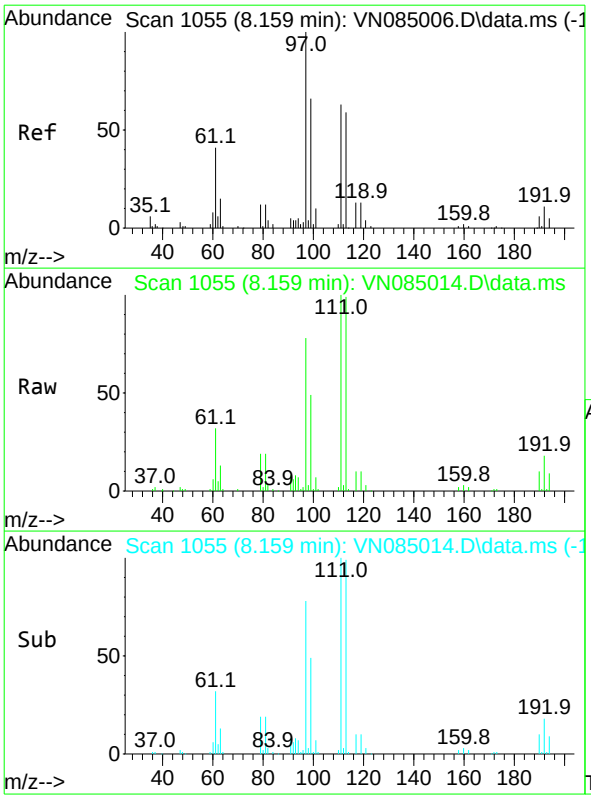


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:114 Resp: 303227

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	41.0
88	16.6	0.0	34.8

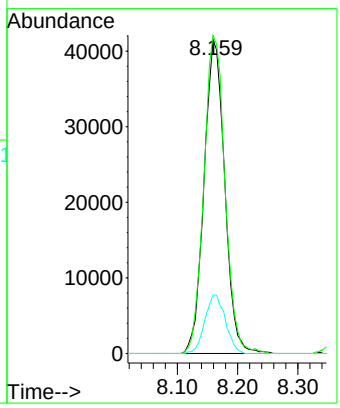




#35
Dibromofluoromethane
Concen: 48.369 ug/l
RT: 8.159 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:113 Resp: 98907

Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.0	123.0
192	18.5	14.8	22.2



Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

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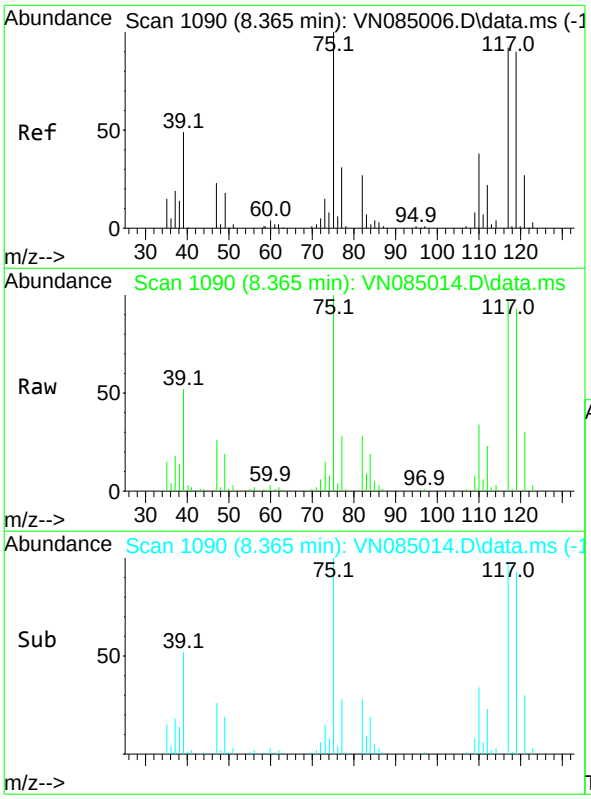
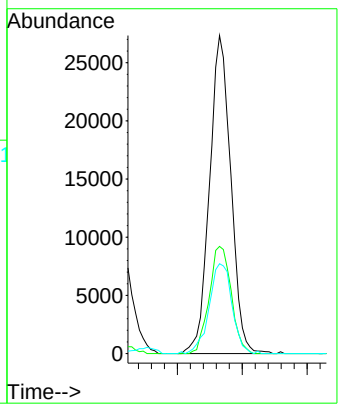
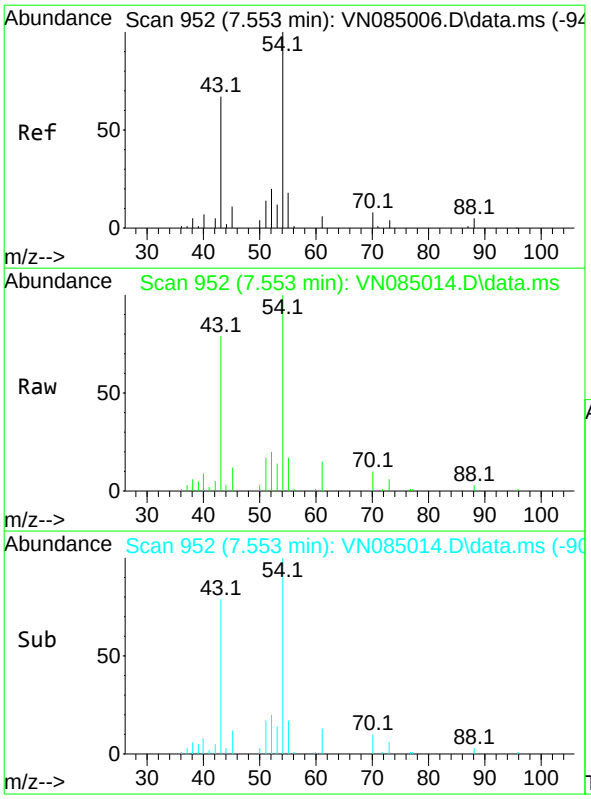


#36
1,1-Dichloropropene
Concen: 22.484 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 75 Resp: 62276

Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.2	51.6
77	30.3	24.2	36.4

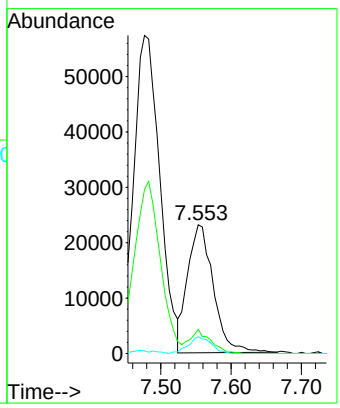




#37
Ethyl Acetate
Concen: 23.315 ug/l
RT: 7.553 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 43 Resp: 58707

Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.7	17.5
70	11.5	9.3	13.9



Instrument :
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ClientSampleId :
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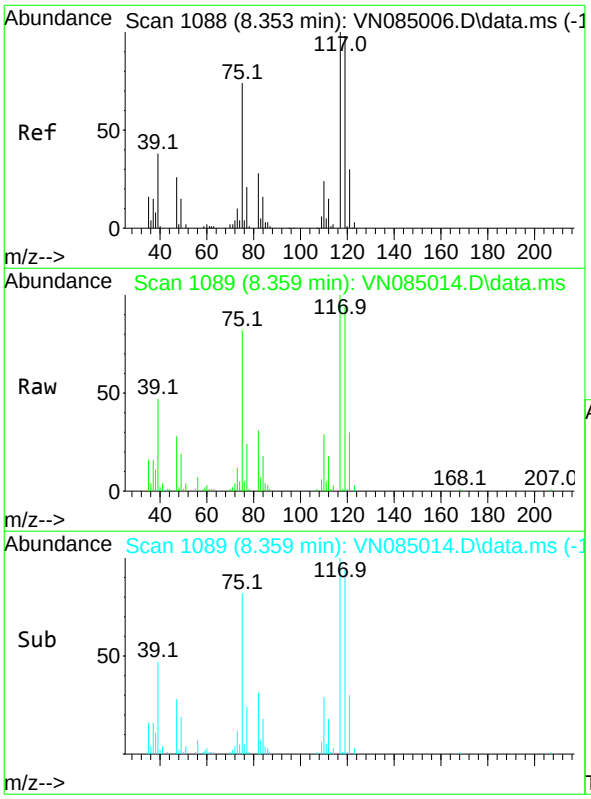
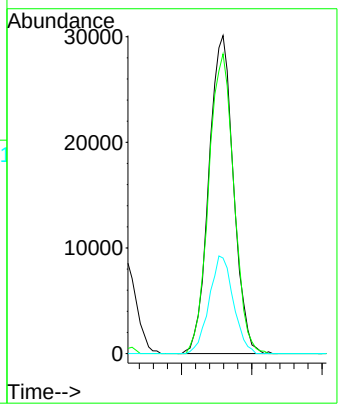
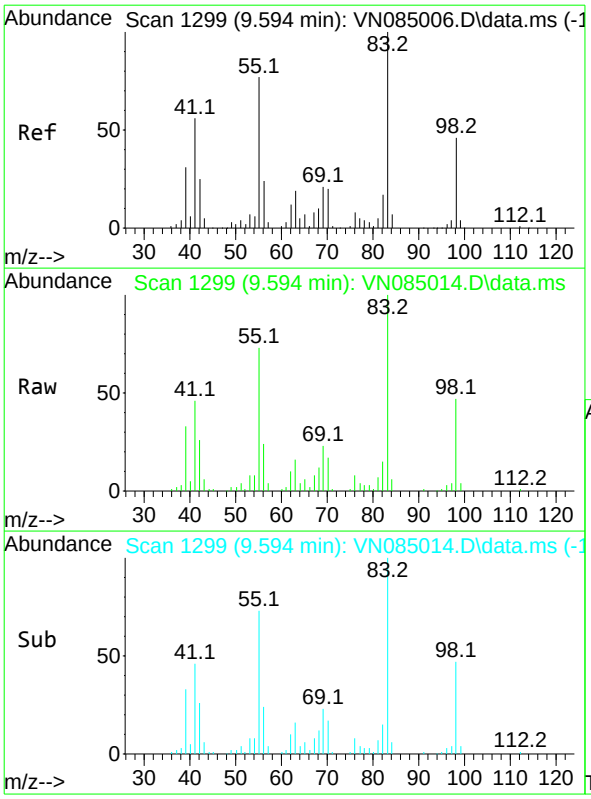


#38
Carbon Tetrachloride
Concen: 22.891 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:117 Resp: 73184

Ion	Ratio	Lower	Upper
117	100		
119	94.2	78.6	117.8
121	30.0	24.2	36.2

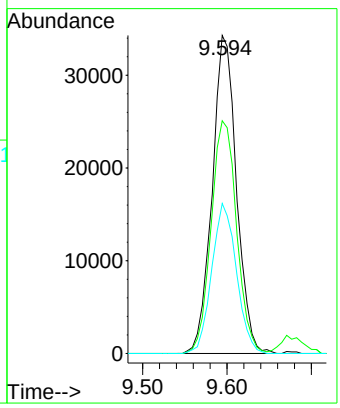




#39
Methylcyclohexane
Concen: 23.840 ug/l
RT: 9.594 min Scan# 12
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 83 Resp: 68614

Ion	Ratio	Lower	Upper
83	100		
55	73.2	61.8	92.6
98	47.2	37.0	55.6



Instrument :
MSVOA_N
ClientSampleId :
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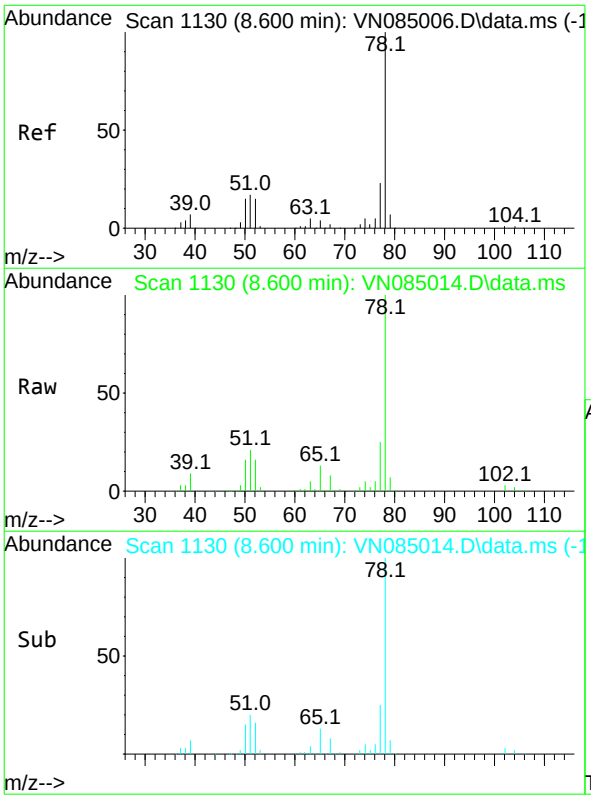
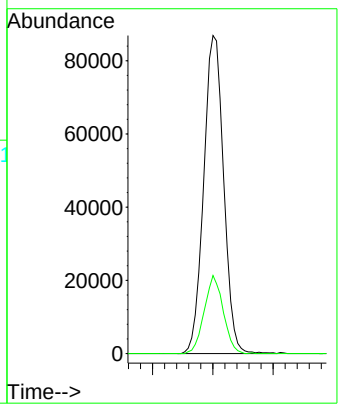
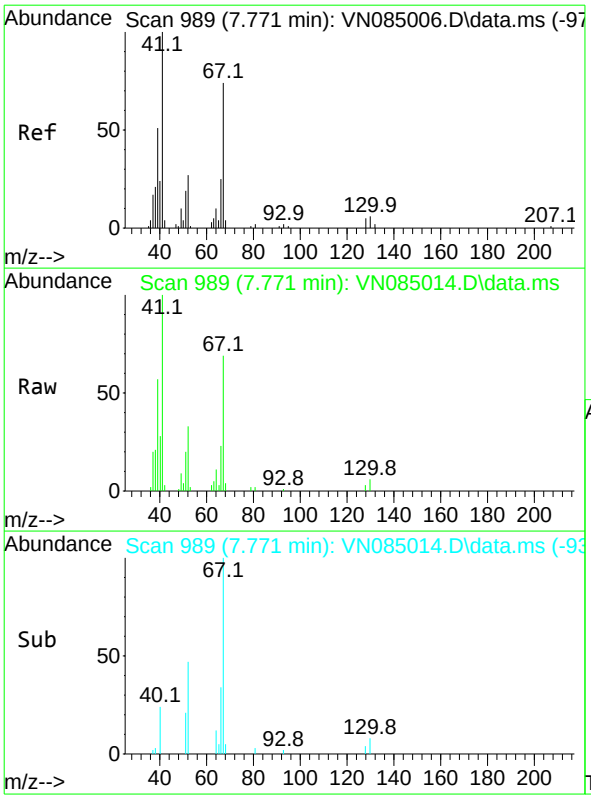


#40
Benzene
Concen: 22.820 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 78 Resp: 199910

Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.5	27.7

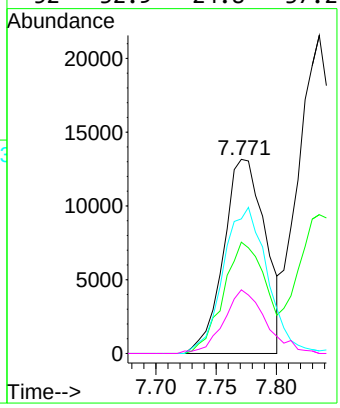




#41
Methacrylonitrile
Concen: 22.816 ug/l
RT: 7.771 min Scan# 98
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 41 Resp: 31809

Ion	Ratio	Lower	Upper
41	100		
39	57.8	42.6	63.8
67	79.8	59.9	89.9
52	32.9	24.8	37.2



Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

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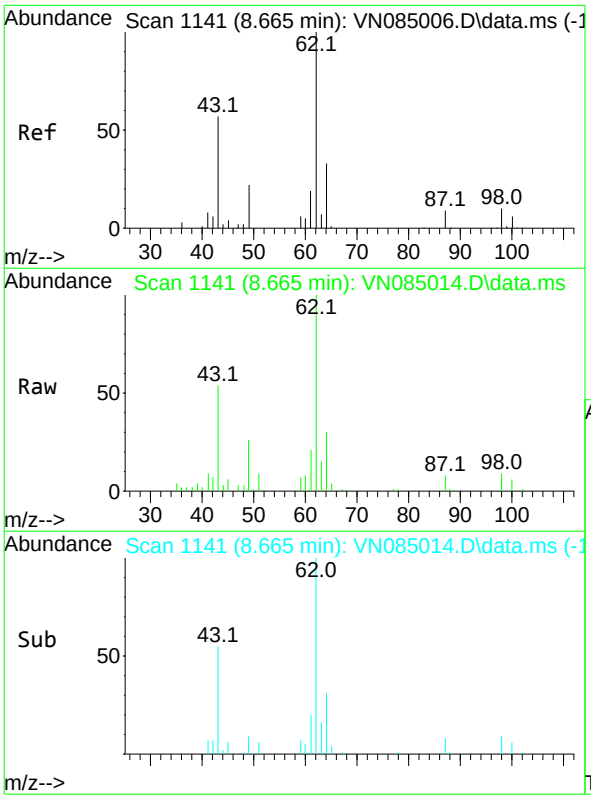
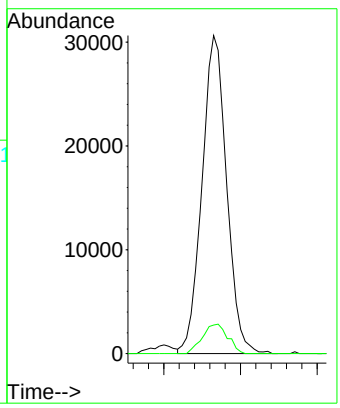
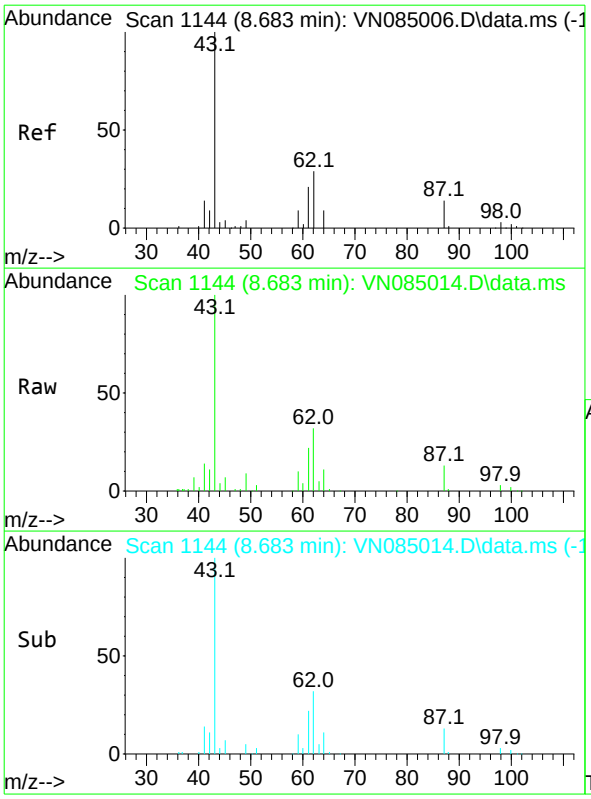


#42
1,2-Dichloroethane
Concen: 22.810 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 62 Resp: 68359

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2

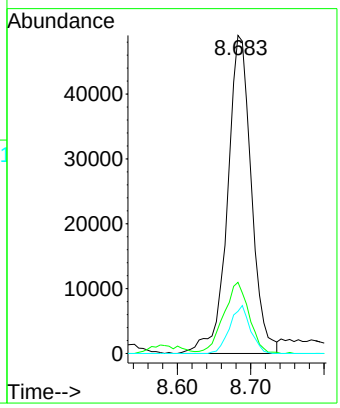




#43
Isopropyl Acetate
Concen: 21.200 ug/l
RT: 8.683 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 43 Resp: 110881

Ion	Ratio	Lower	Upper
43	100		
61	23.9	20.6	30.8
87	13.0	11.0	16.4



Instrument :
MSVOA_N
ClientSampleId :
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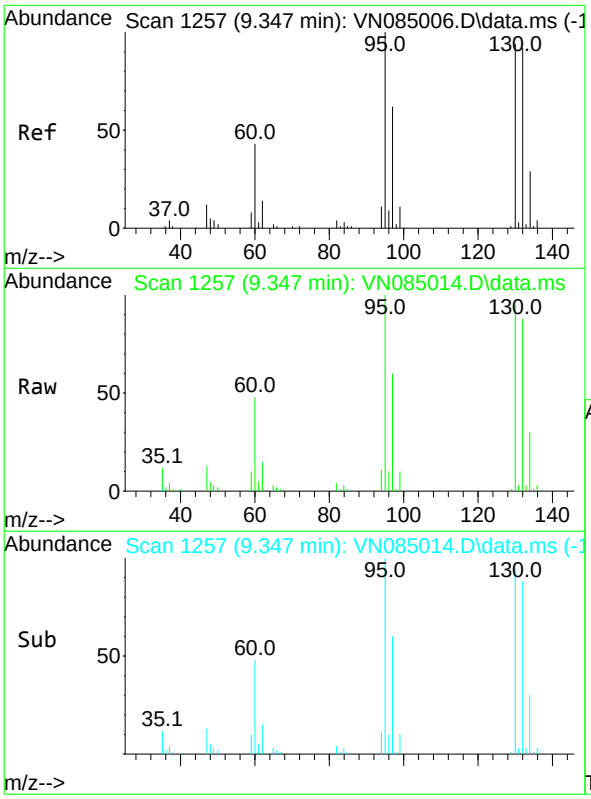
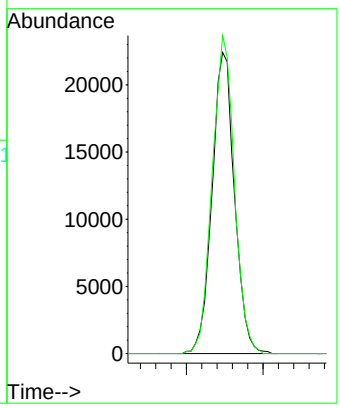
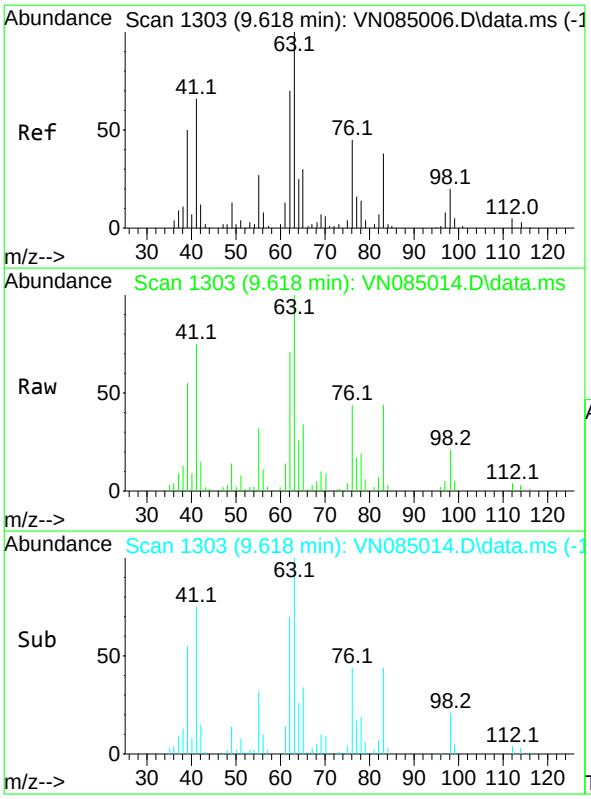


#44
Trichloroethene
Concen: 22.366 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:130 Resp: 45534

Ion	Ratio	Lower	Upper
130	100		
95	105.6	0.0	213.4

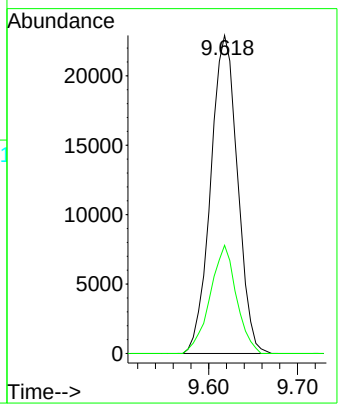




#45
1,2-Dichloropropane
Concen: 22.280 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 63 Resp: 48072

Ion	Ratio	Lower	Upper
63	100		
65	34.0	24.0	36.0



Instrument :
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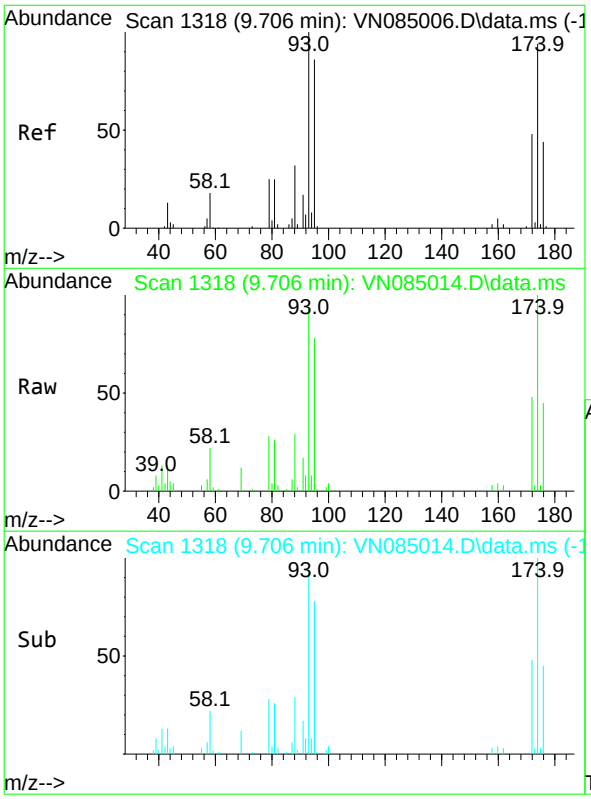
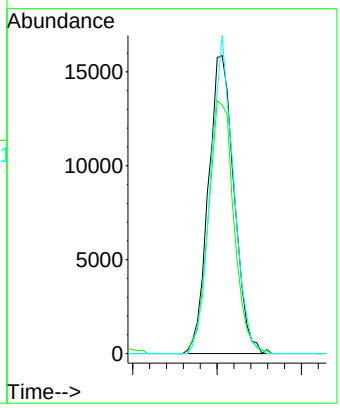
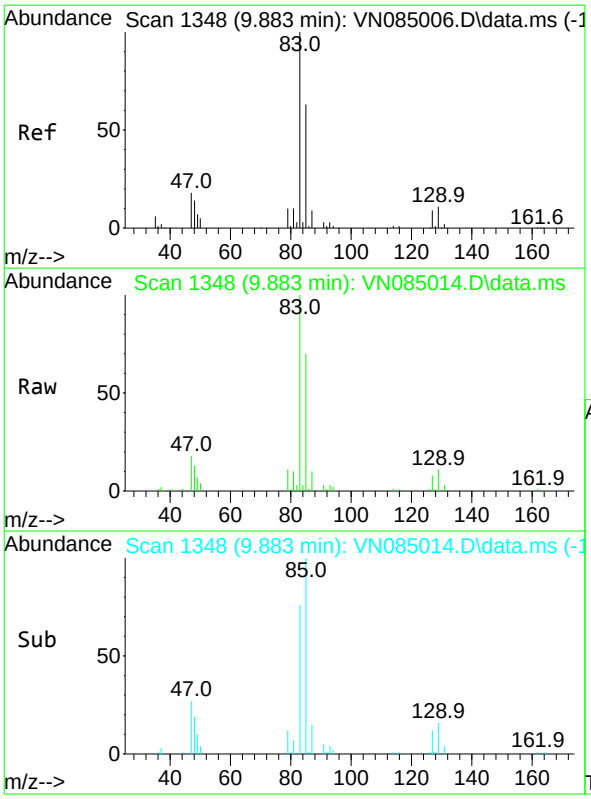


#46
Dibromomethane
Concen: 22.411 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 93 Resp: 33600

Ion	Ratio	Lower	Upper
93	100		
95	84.1	66.2	99.4
174	95.2	74.9	112.3

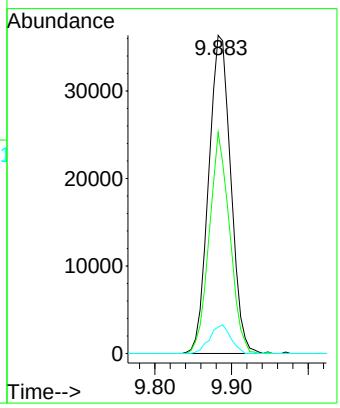




#47
Bromodichloromethane
Concen: 22.912 ug/l
RT: 9.883 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 83 Resp: 72806

Ion	Ratio	Lower	Upper
83	100		
85	69.5	50.5	75.7
127	8.3	7.1	10.7



Instrument :
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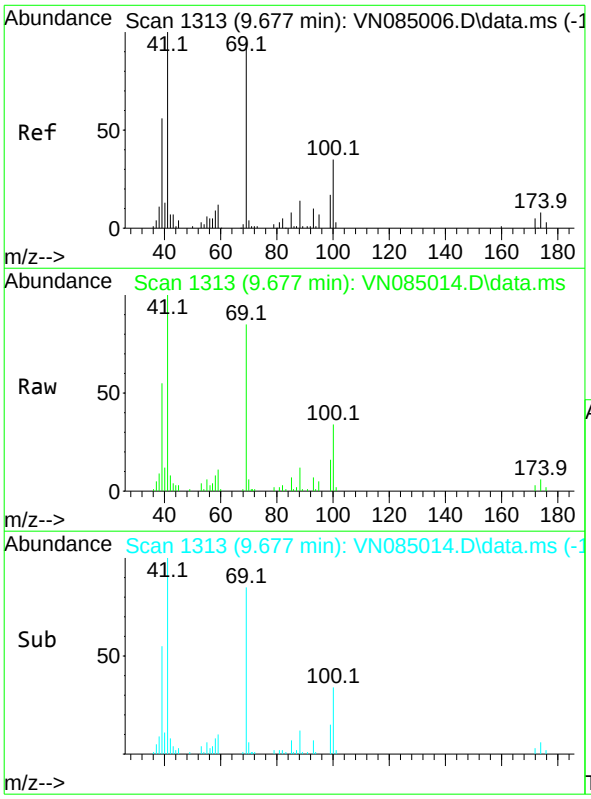
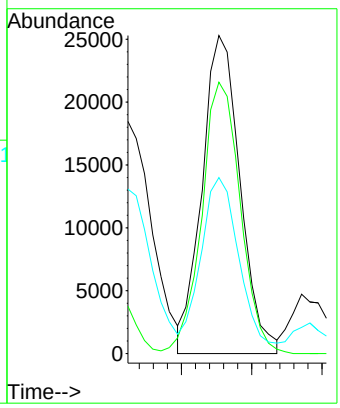
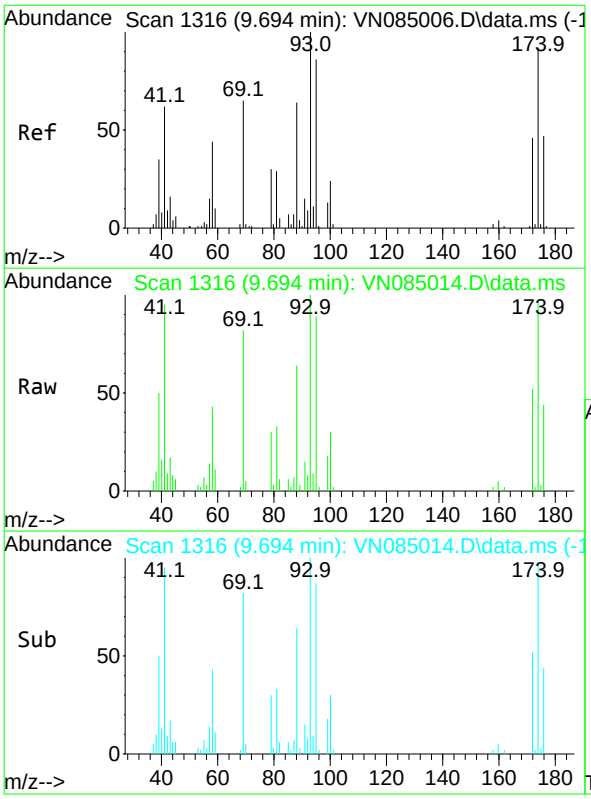


#48
Methyl methacrylate
Concen: 24.490 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 41 Resp: 47665

Ion	Ratio	Lower	Upper
41	100		
69	86.5	73.2	109.8
39	56.6	46.2	69.4





#49
1,4-Dioxane
Concen: 455.638 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 88 Resp: 15379

Ion	Ratio	Lower	Upper
88	100		
43	26.0	16.7	25.1#
58	77.4	56.5	84.7

Instrument :
MSVOA_N
ClientSampleId :
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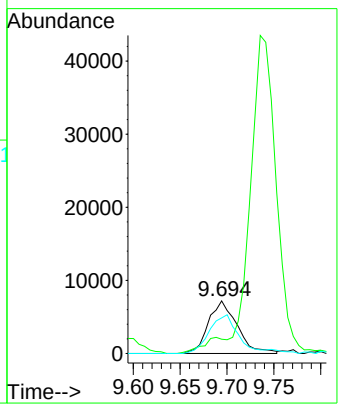
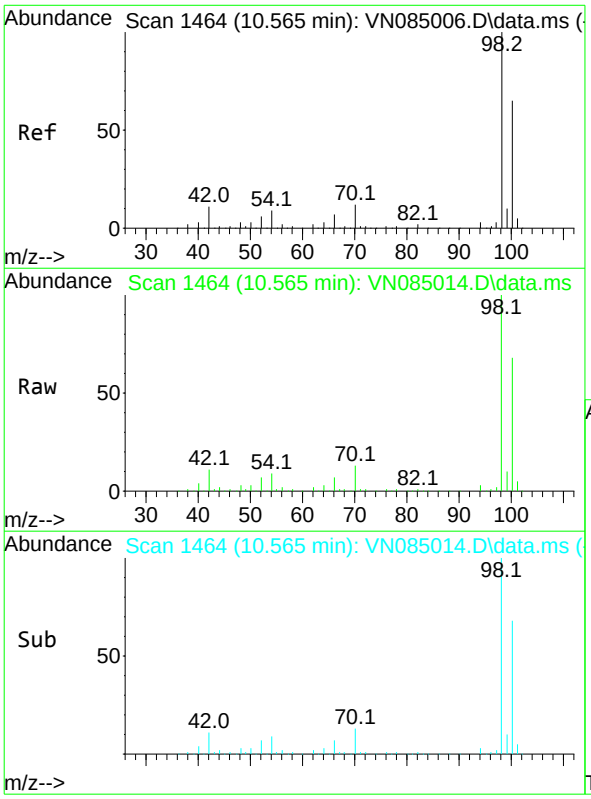
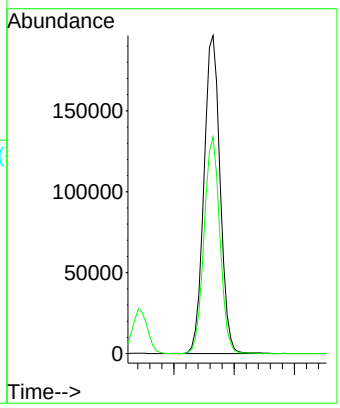


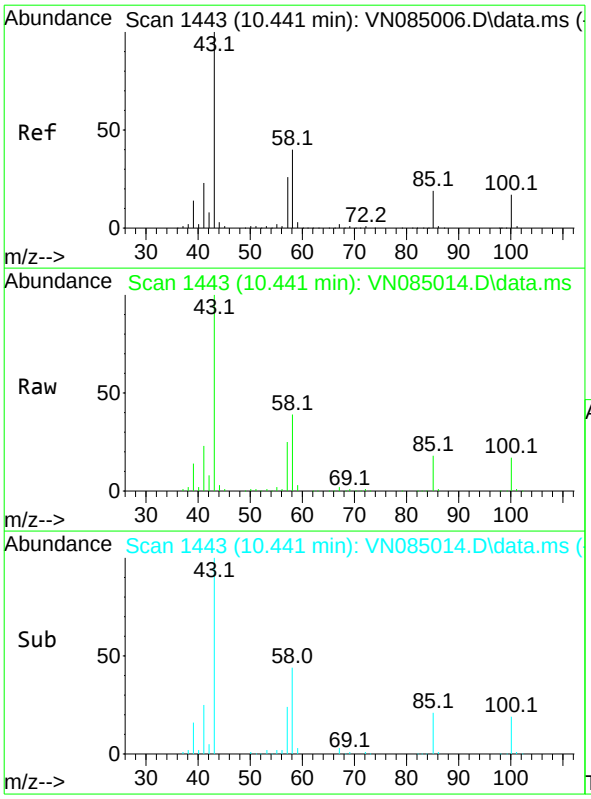


#50
Toluene-d8
Concen: 49.893 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 98 Resp: 365634

Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.5	78.7

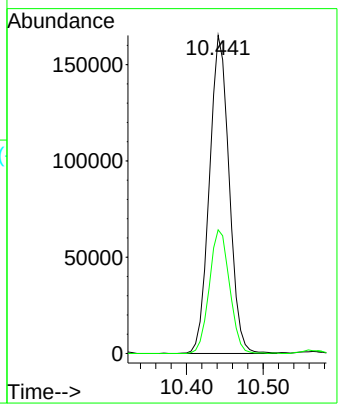




#51
4-Methyl-2-Pentanone
Concen: 123.459 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 43 Resp: 294939

Ion	Ratio	Lower	Upper
43	100		
58	39.9	32.1	48.1



Instrument :
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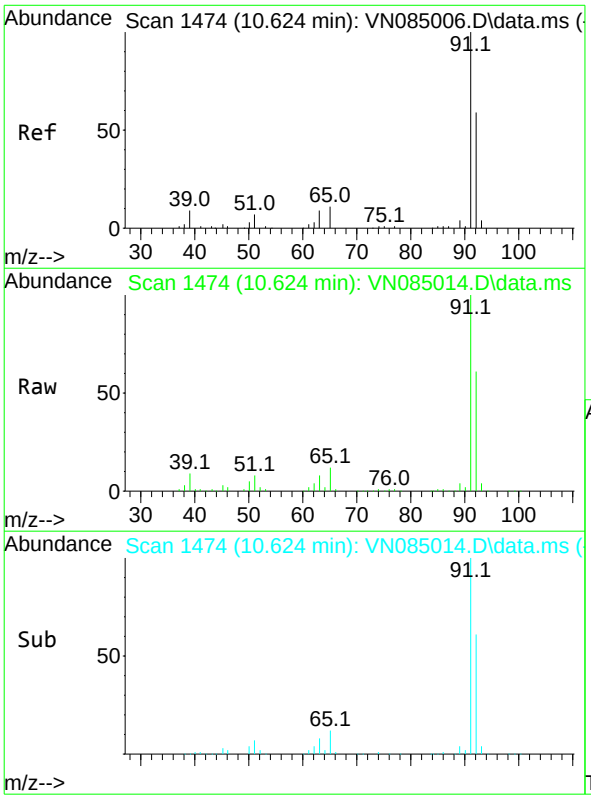
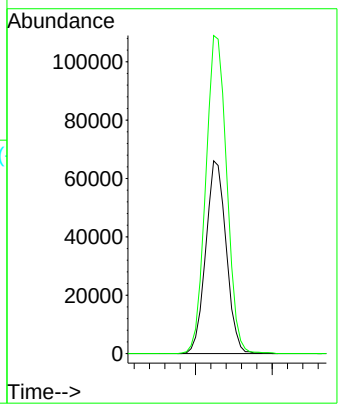
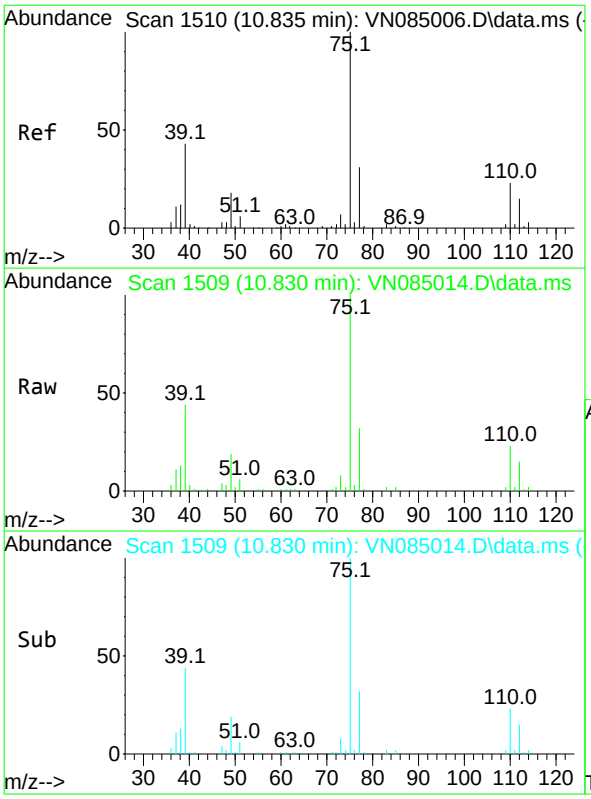


#52
Toluene
Concen: 23.524 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 92 Resp: 121997

Ion	Ratio	Lower	Upper
92	100		
91	169.9	136.7	205.1

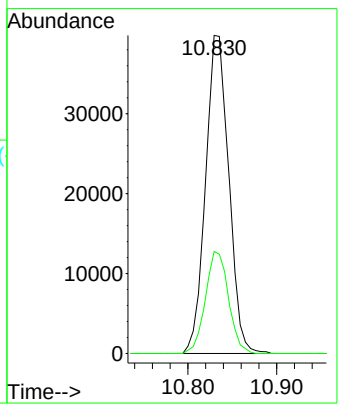




#53
t-1,3-Dichloropropene
Concen: 22.709 ug/l
RT: 10.830 min Scan# 15
Delta R.T. -0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 75 Resp: 72346

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.0	37.4



Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

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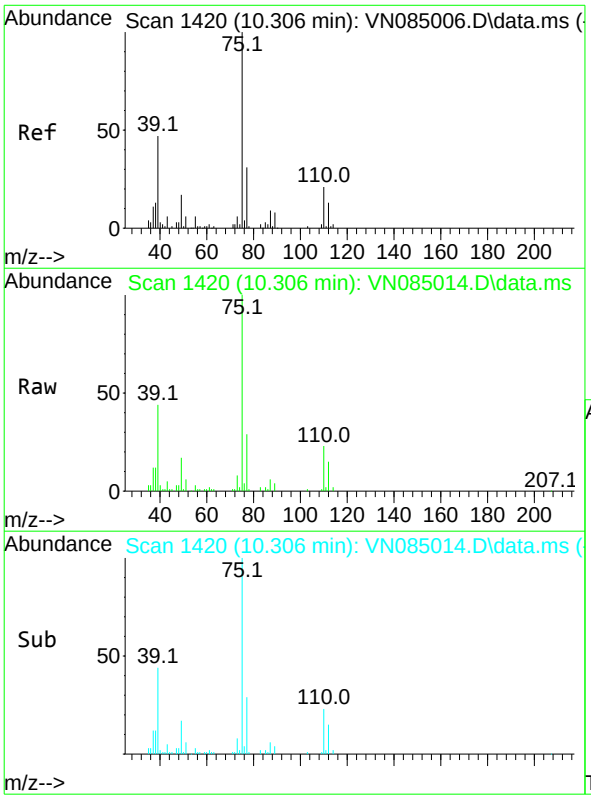
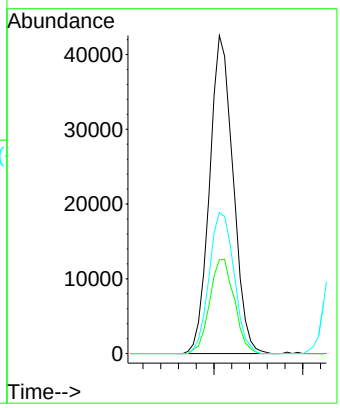
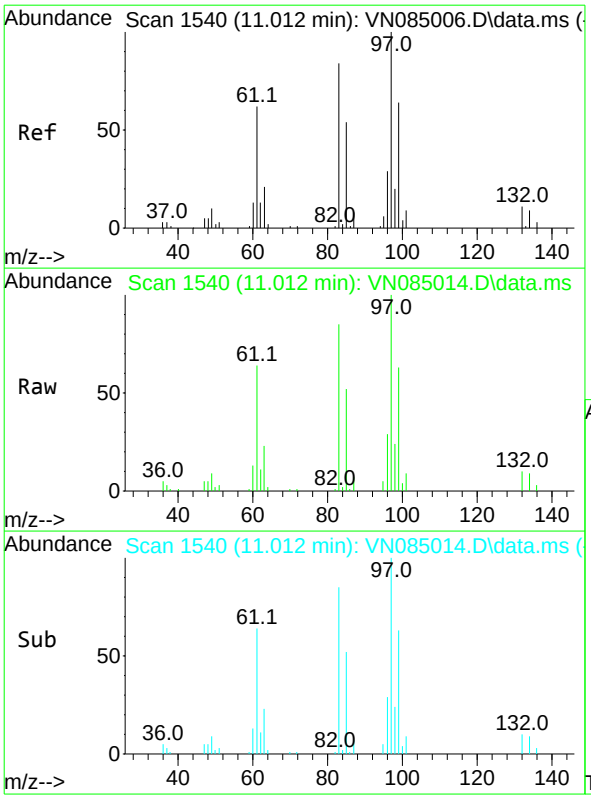


#54
cis-1,3-Dichloropropene
Concen: 23.218 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 75 Resp: 78468

Ion	Ratio	Lower	Upper
75	100		
77	29.5	25.0	37.4
39	44.3	37.6	56.4

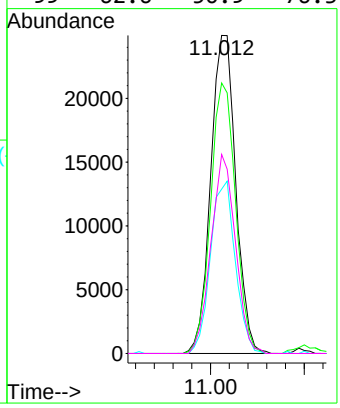




#55
1,1,2-Trichloroethane
Concen: 23.984 ug/l
RT: 11.012 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 97 Resp: 46329

Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.4	101.2
85	51.7	43.1	64.7
99	62.6	50.9	76.3



Instrument :
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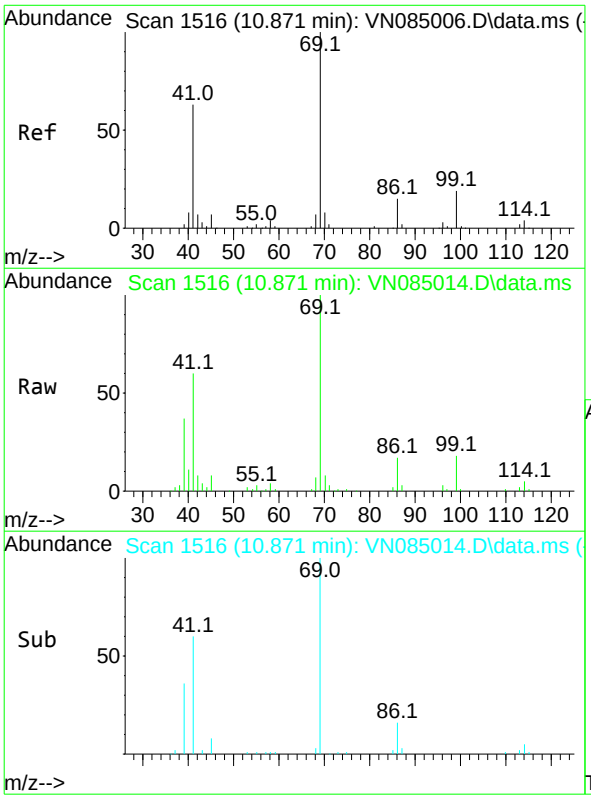
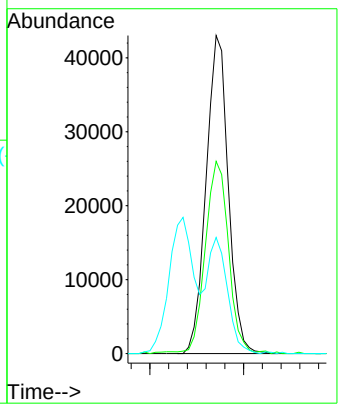
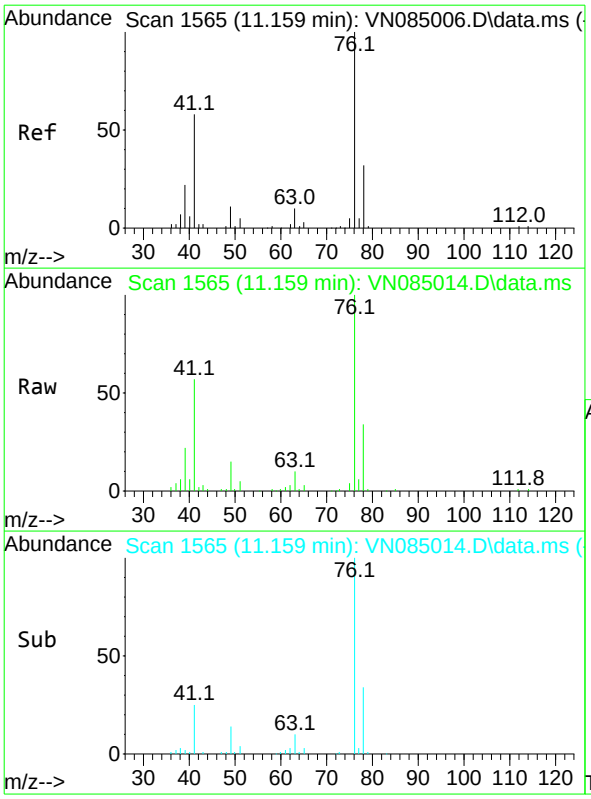


#56
Ethyl methacrylate
Concen: 25.010 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 69 Resp: 70594

Ion	Ratio	Lower	Upper
69	100		
41	63.9	50.0	75.0
39	34.0	27.0	40.6

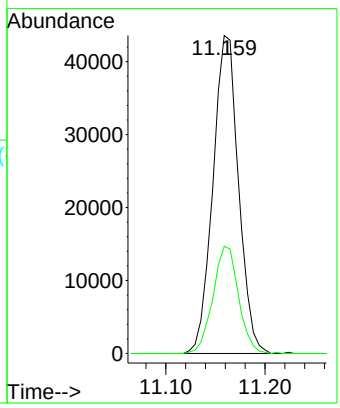




#57
1,3-Dichloropropane
Concen: 22.982 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 76 Resp: 78133

Ion	Ratio	Lower	Upper
76	100		
78	33.7	26.1	39.1



Instrument :
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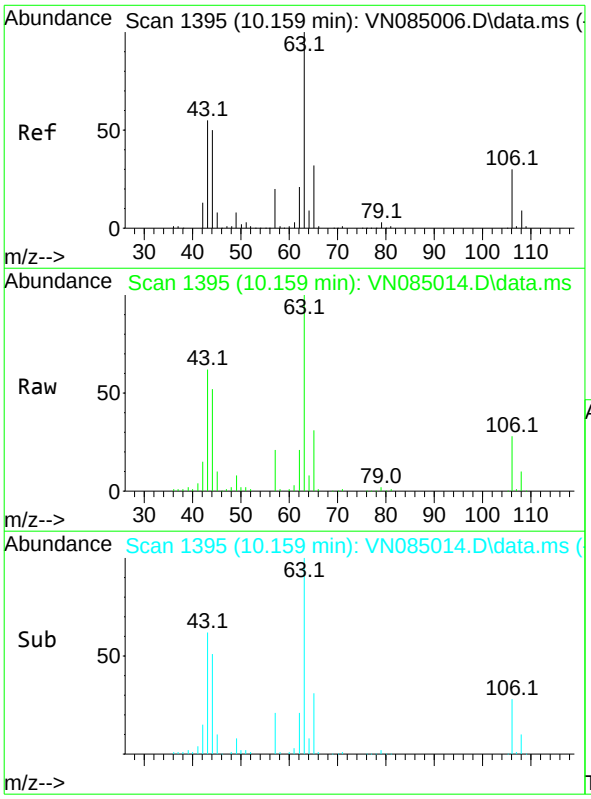
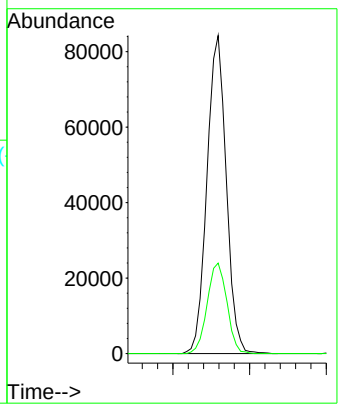
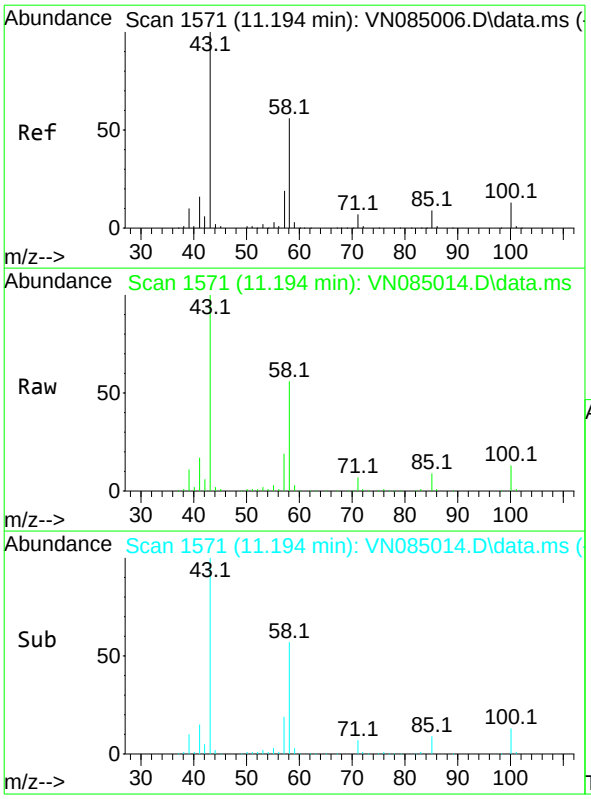


#58
2-Chloroethyl Vinyl ether
Concen: 106.307 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 63 Resp: 147192

Ion	Ratio	Lower	Upper
63	100		
106	29.0	23.0	34.6

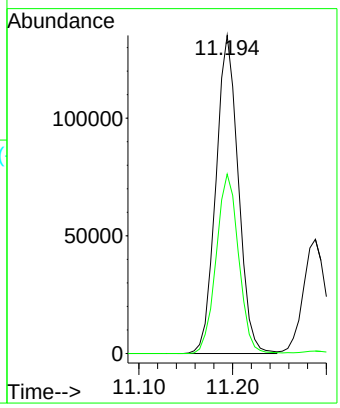




#59
2-Hexanone
Concen: 125.414 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 43 Resp: 224080

Ion	Ratio	Lower	Upper
43	100		
58	56.4	28.3	85.0



Instrument :
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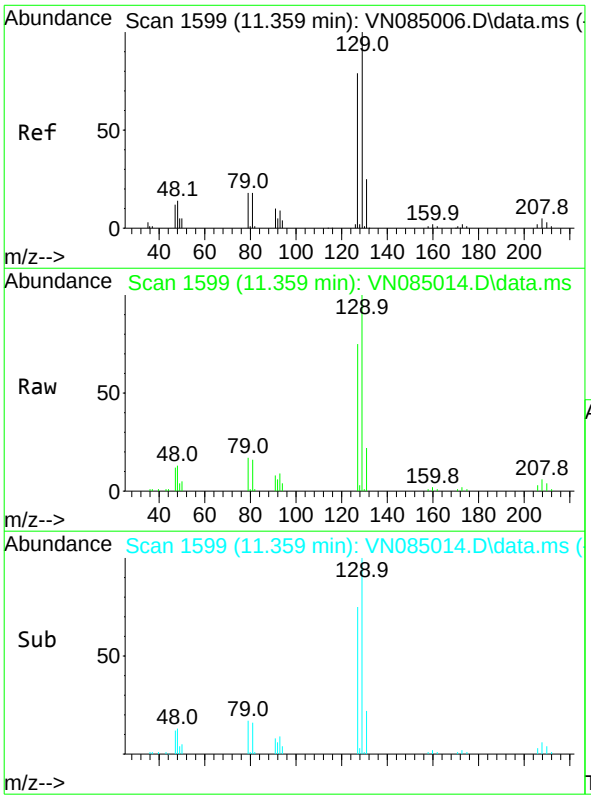
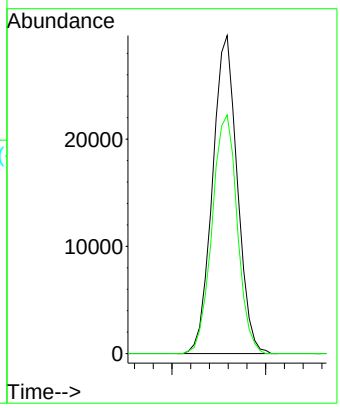
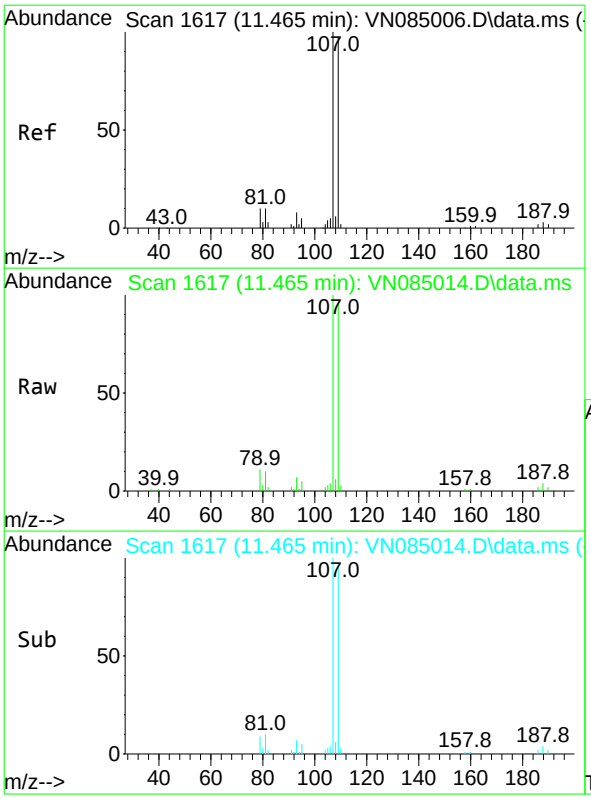


#60
Dibromochloromethane
Concen: 23.069 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:129 Resp: 54461

Ion	Ratio	Lower	Upper
129	100		
127	76.2	39.2	117.6





#61
1,2-Dibromoethane
Concen: 23.302 ug/l
RT: 11.465 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:107 Resp: 46584

Ion	Ratio	Lower	Upper
107	100		
109	91.2	76.1	114.1

Instrument :
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ClientSampleId :
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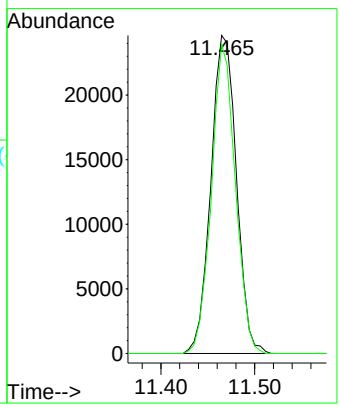
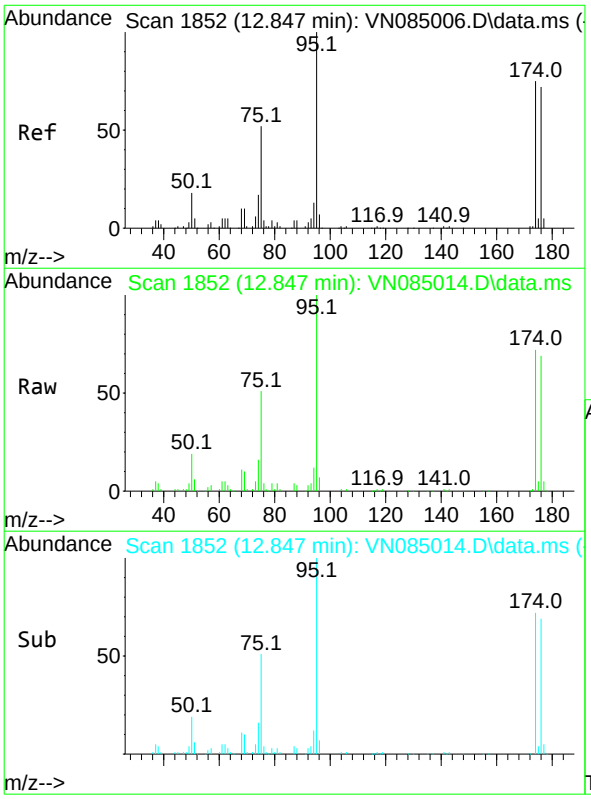
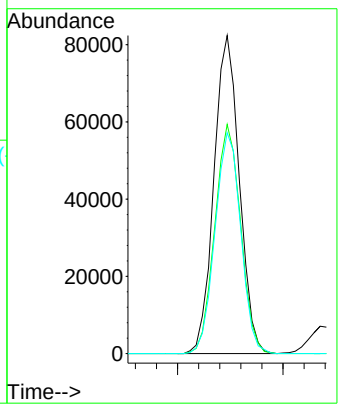


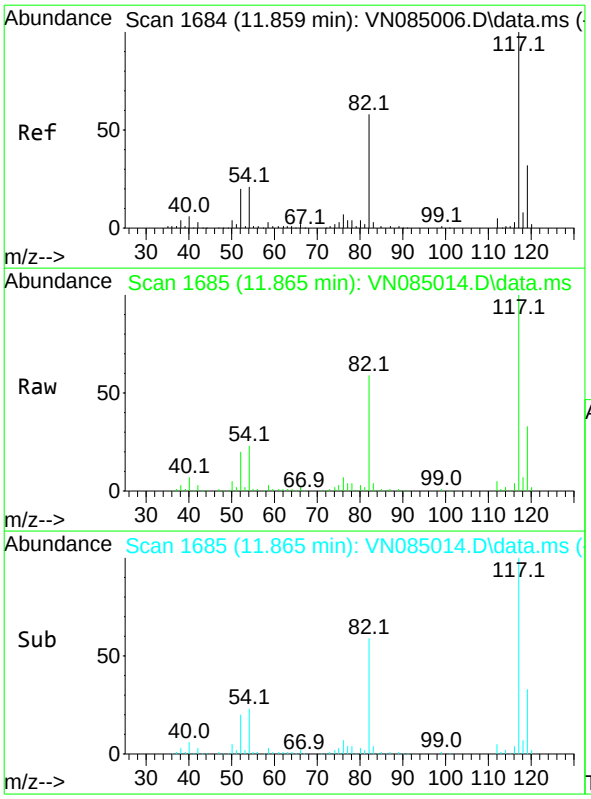


#62
4-Bromofluorobenzene
Concen: 50.202 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 95 Resp: 137582

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	146.6
176	70.2	0.0	141.8

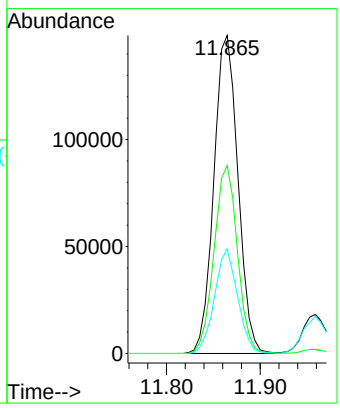




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:117 Resp: 265687

Ion	Ratio	Lower	Upper
117	100		
82	59.1	46.0	69.0
119	32.9	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

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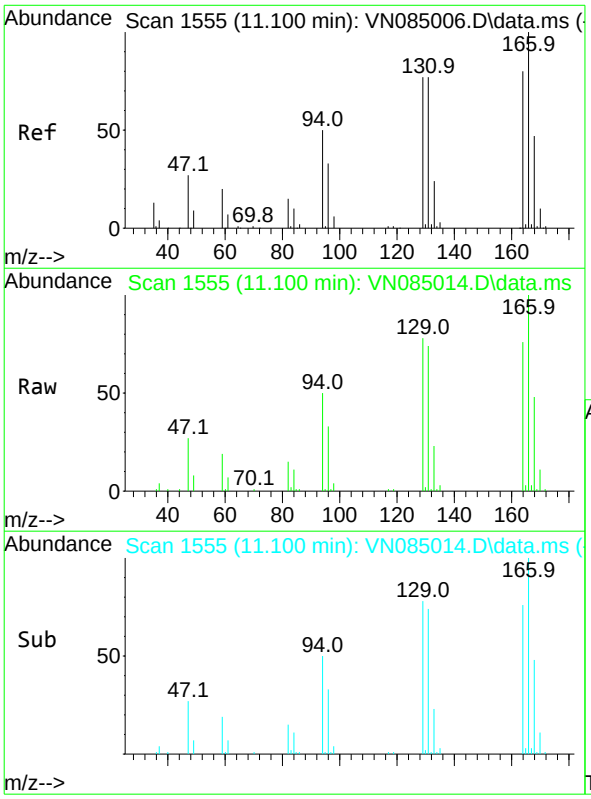
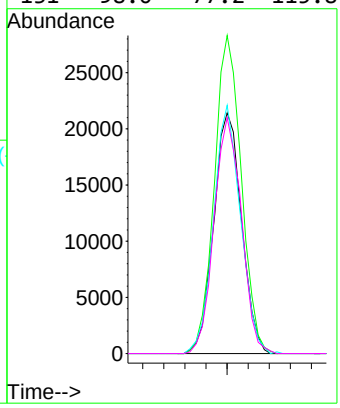
Supervised By :Mahesh Dadoda 11/25/2024

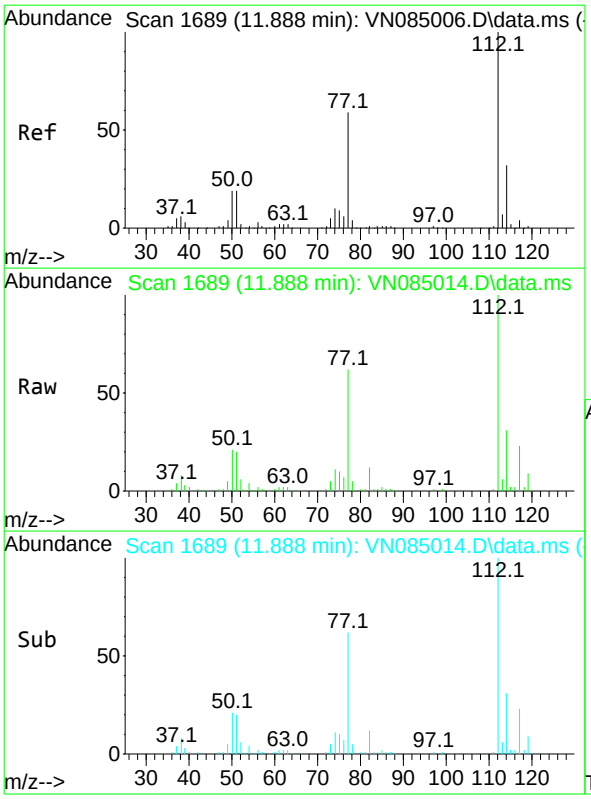


#64
Tetrachloroethene
Concen: 21.912 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:164 Resp: 39229

Ion	Ratio	Lower	Upper
164	100		
166	132.1	100.6	151.0
129	103.1	77.7	116.5
131	98.0	77.2	115.8

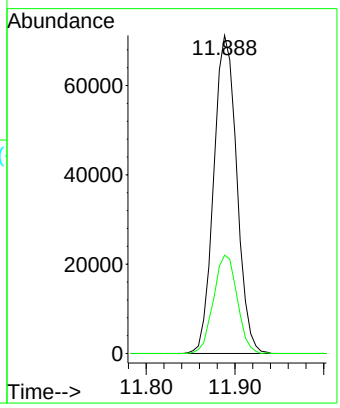




#65
Chlorobenzene
Concen: 21.322 ug/l
RT: 11.888 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:112 Resp: 128475

Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.8	38.6



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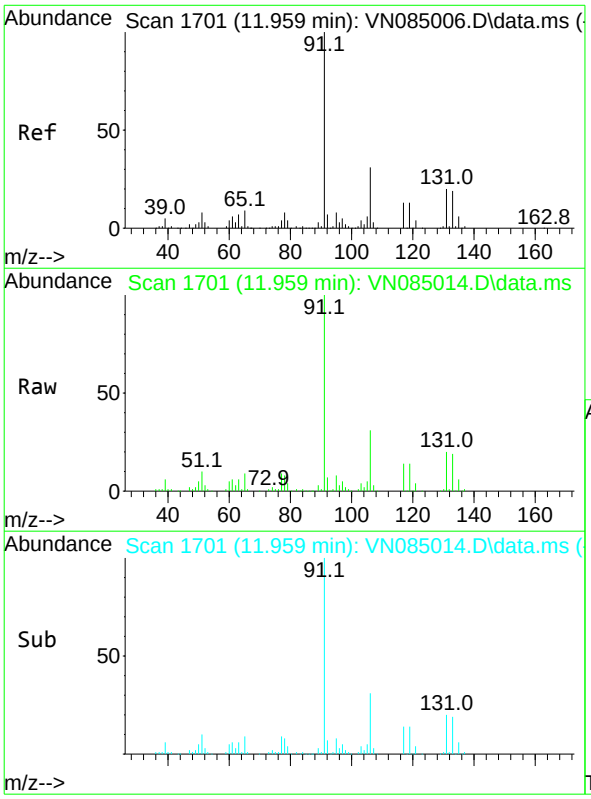
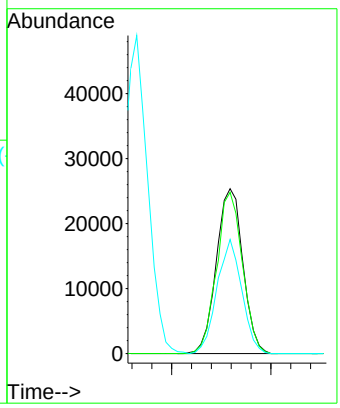
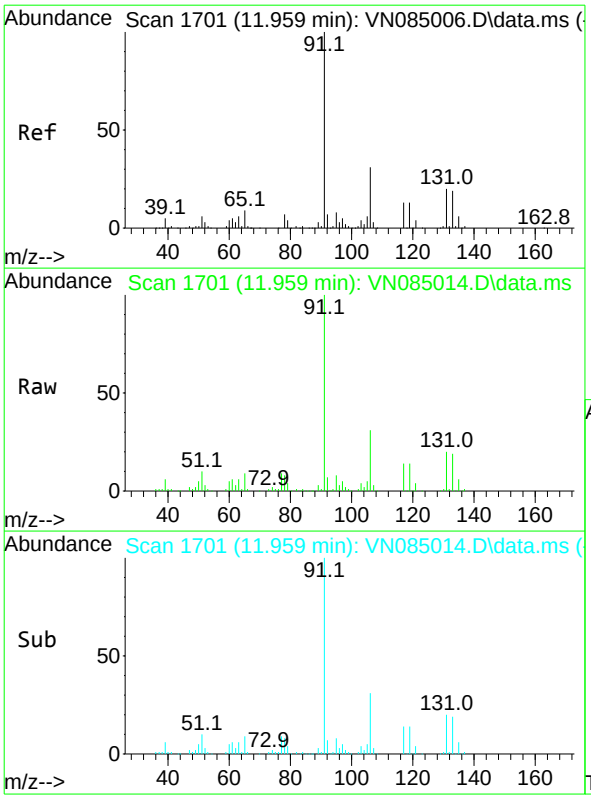


#66
1,1,1,2-Tetrachloroethane
Concen: 22.212 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:131 Resp: 47122

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.8	143.4
119	64.8	32.1	96.3

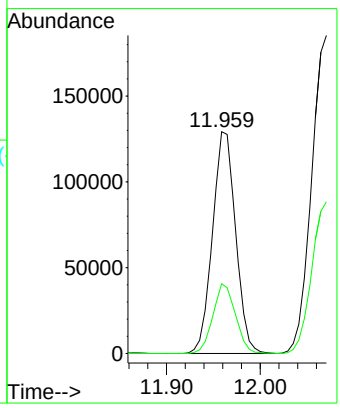




#67
Ethyl Benzene
Concen: 22.661 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 91 Resp: 221527

Ion	Ratio	Lower	Upper
91	100		
106	31.4	24.7	37.1



Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

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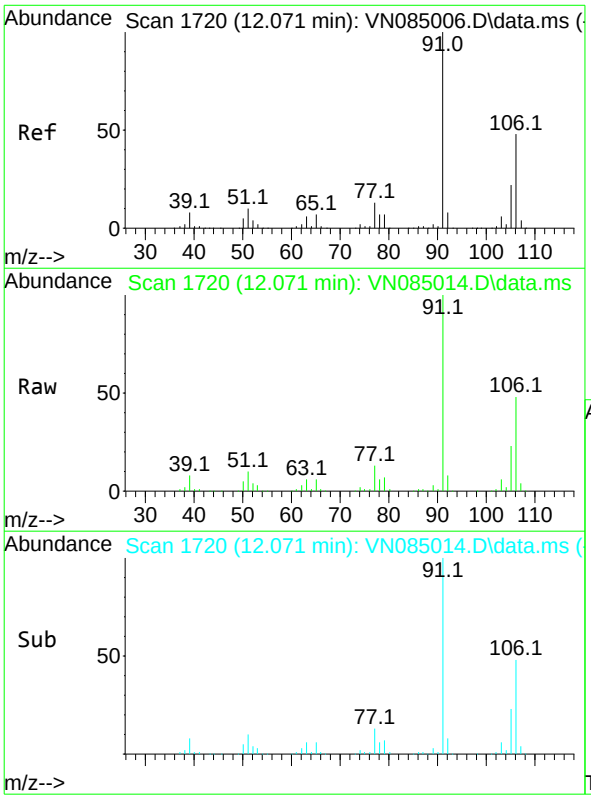
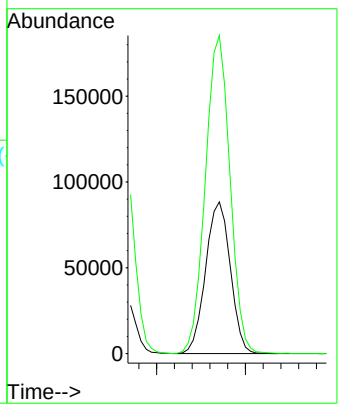
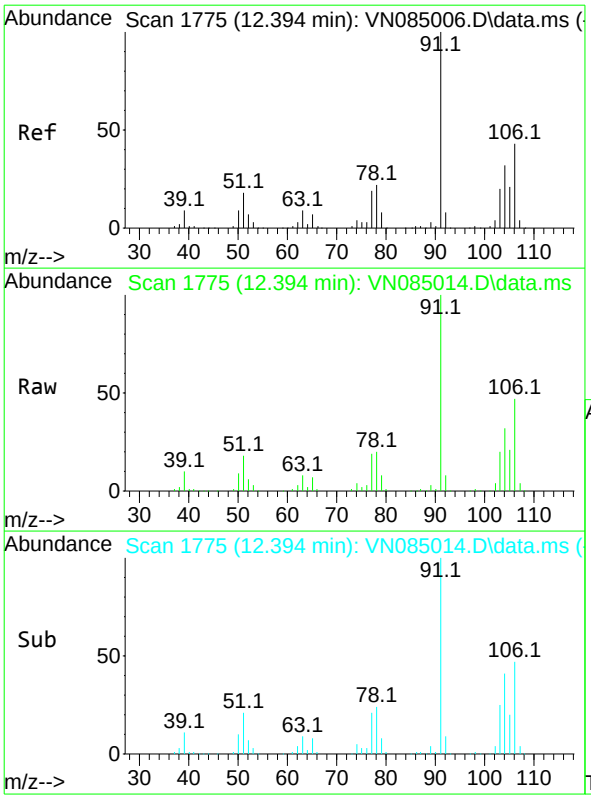


#68
m/p-Xylenes
Concen: 45.974 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:106 Resp: 171105

Ion	Ratio	Lower	Upper
106	100		
91	208.7	168.0	252.0

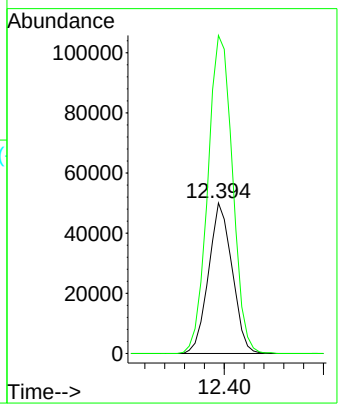




#69
o-Xylene
Concen: 23.324 ug/l
RT: 12.394 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:106 Resp: 82572

Ion	Ratio	Lower	Upper
106	100		
91	221.7	110.7	331.9



Instrument :
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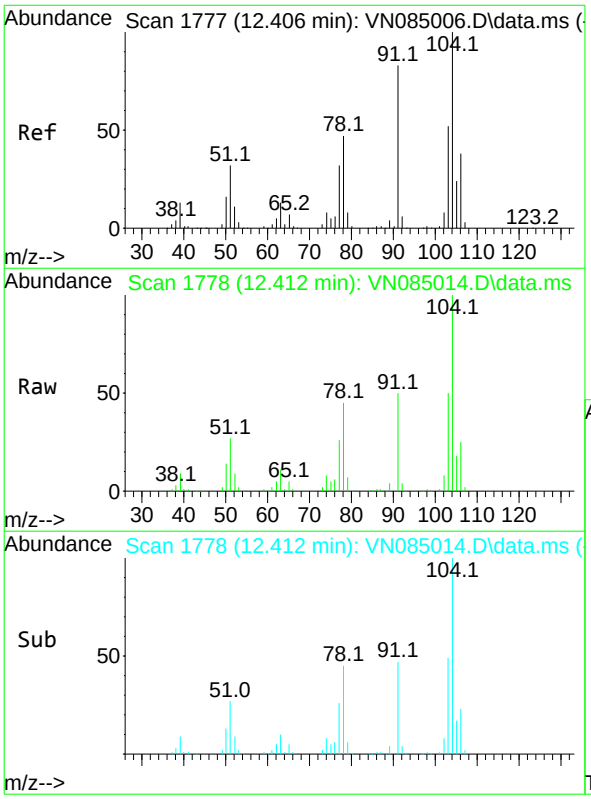
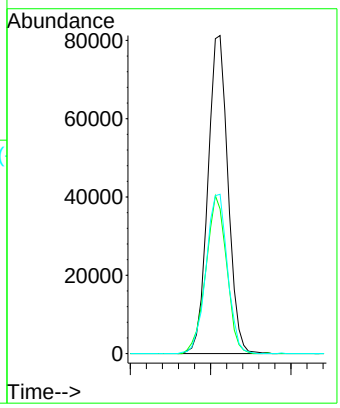
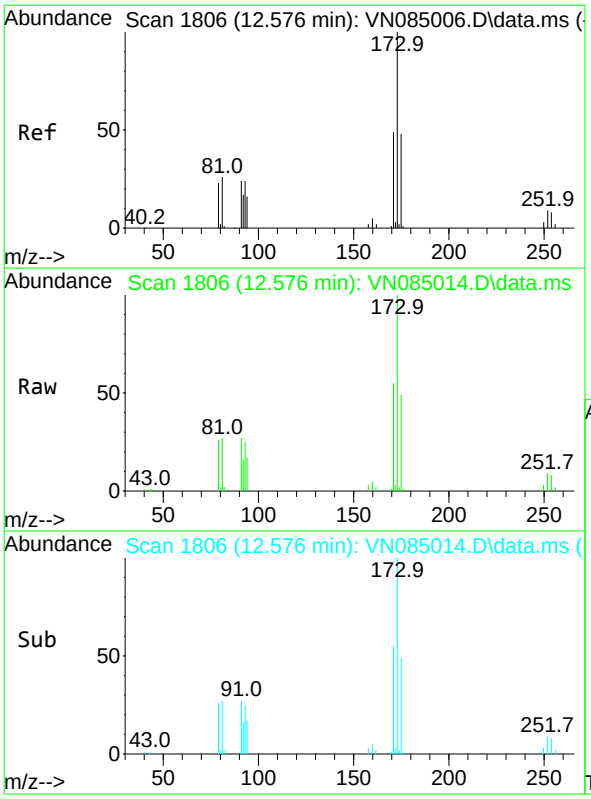


#70
Styrene
Concen: 23.947 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:104 Resp: 140988

Ion	Ratio	Lower	Upper
104	100		
78	51.3	42.3	63.5
103	53.5	44.2	66.2

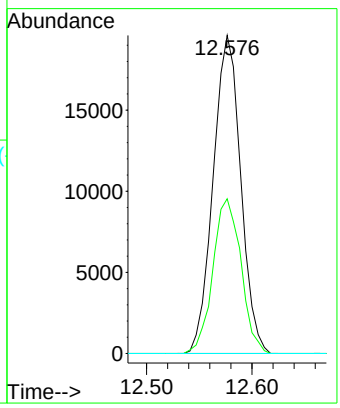




#71
Bromoform
Concen: 22.635 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:173 Resp: 35645

Ion	Ratio	Lower	Upper
173	100		
175	49.5	23.8	71.2
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

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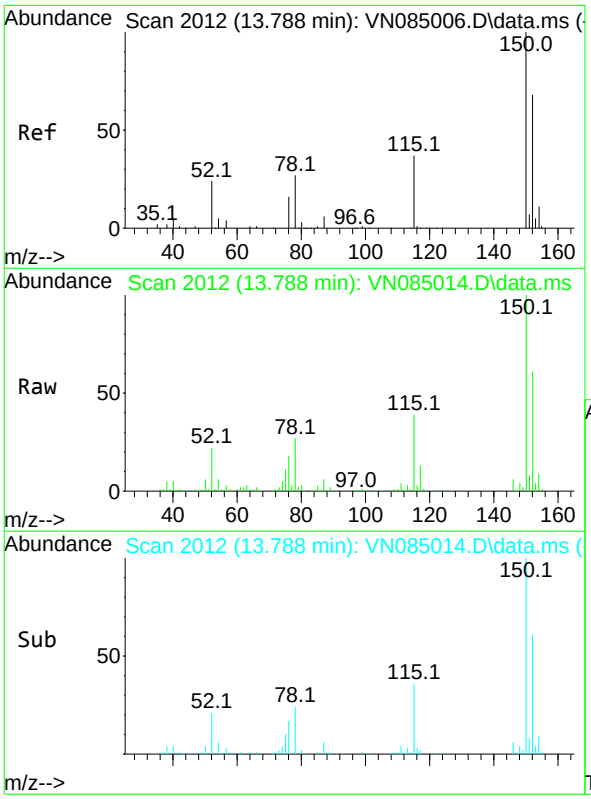
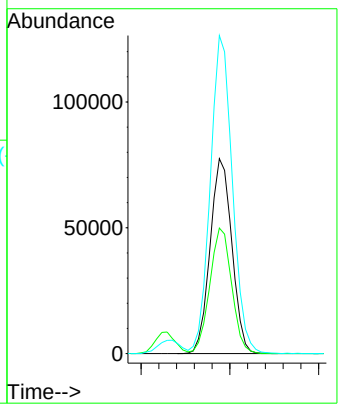
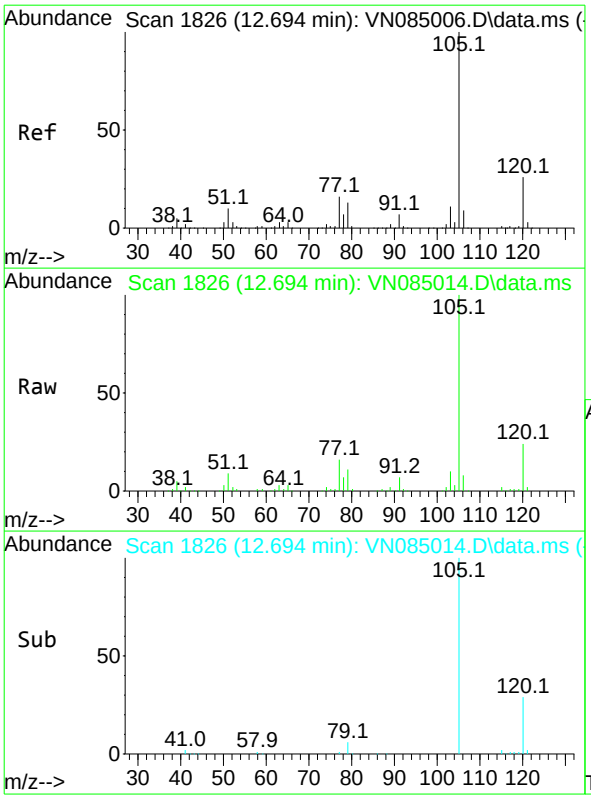


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:152 Resp: 132118

Ion	Ratio	Lower	Upper
152	100		
115	64.6	31.7	95.1
150	165.5	0.0	351.4

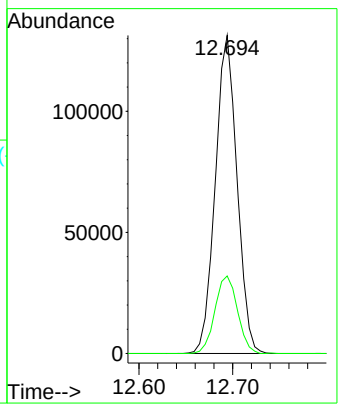




#73
Isopropylbenzene
Concen: 22.656 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:105 Resp: 211166

Ion	Ratio	Lower	Upper
105	100		
120	25.2	13.0	39.0



Instrument :
MSVOA_N
ClientSampleId :
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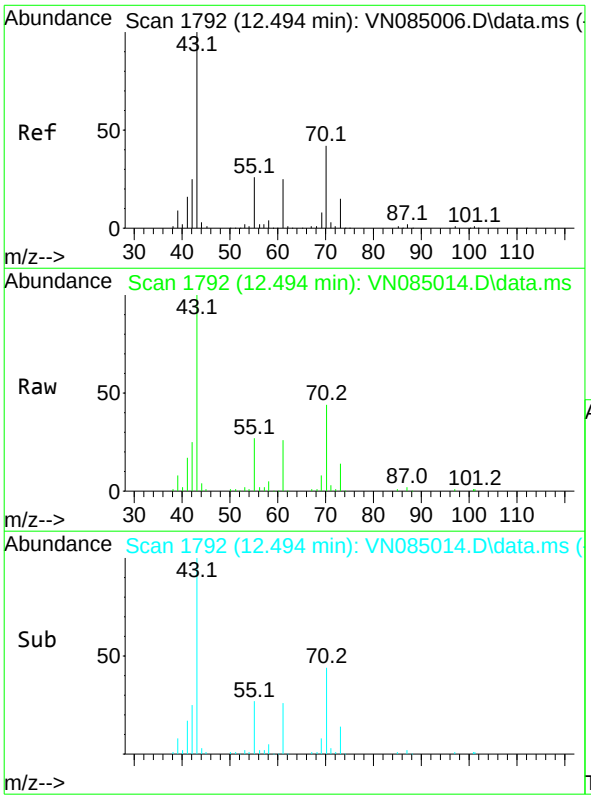
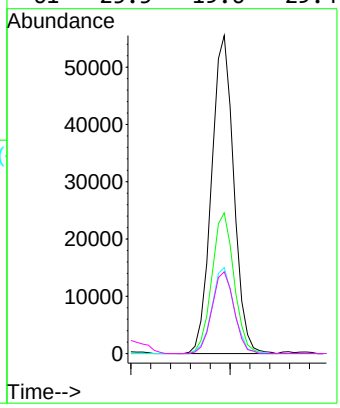
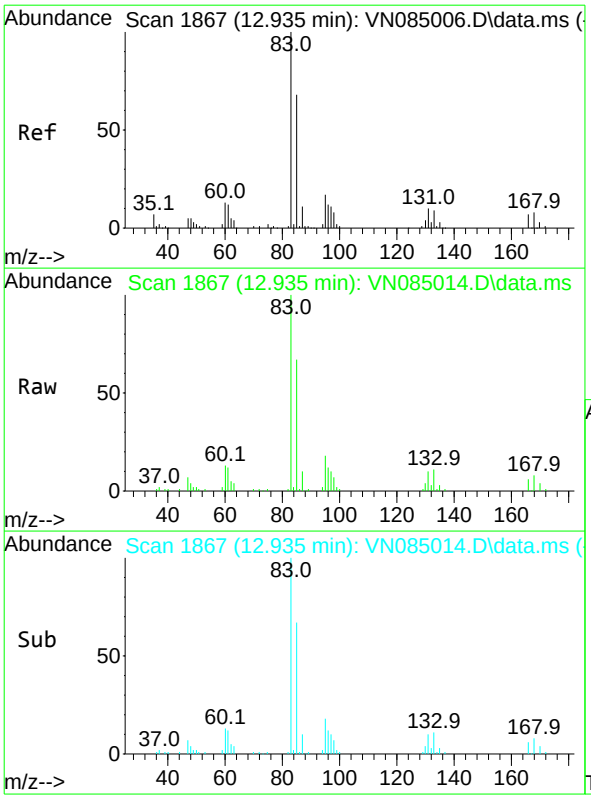


#74
N-amyl acetate
Concen: 22.499 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 43 Resp: 86413

Ion	Ratio	Lower	Upper
43	100		
70	44.0	34.6	51.8
55	26.9	20.5	30.7
61	25.5	19.6	29.4

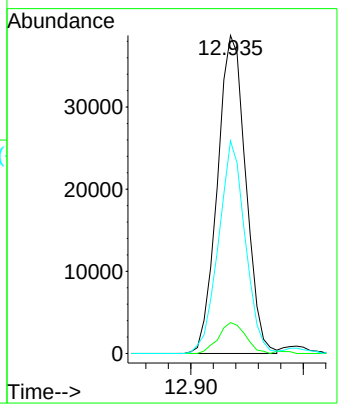




#75
1,1,2,2-Tetrachloroethane
Concen: 21.284 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 83 Resp: 67742

Ion	Ratio	Lower	Upper
83	100		
131	9.3	5.1	15.4
85	62.9	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
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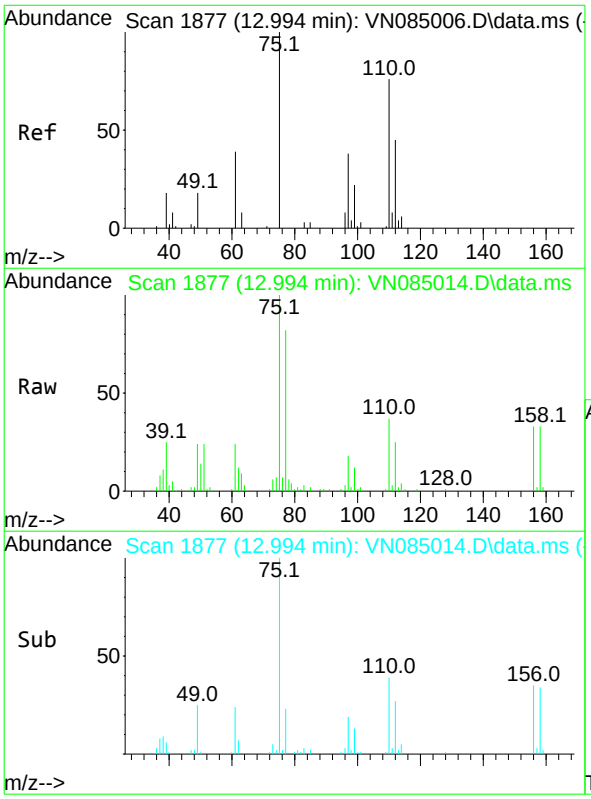
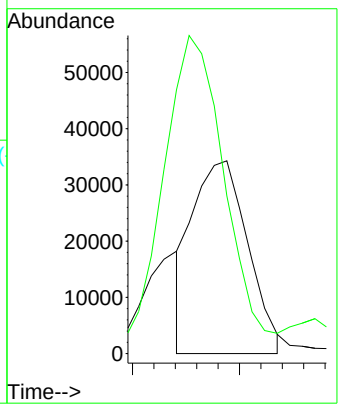
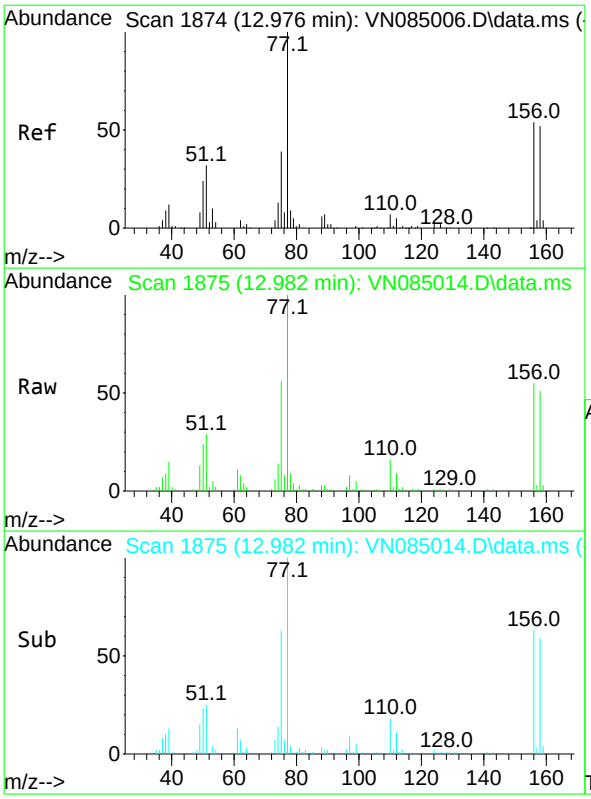


#76
1,2,3-Trichloropropane
Concen: 25.673 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 75 Resp: 61695

Ion	Ratio	Lower	Upper
75	100		
77	184.3	109.1	327.4

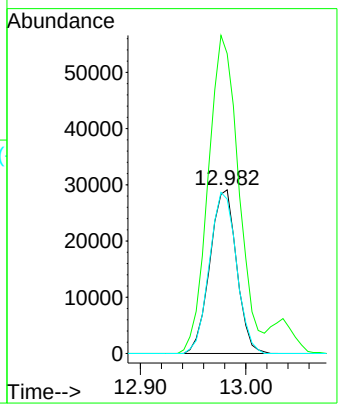




#77
Bromobenzene
Concen: 20.433 ug/l
RT: 12.982 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:156 Resp: 51251

Ion	Ratio	Lower	Upper
156	100		
77	221.8	107.2	321.6
158	99.9	48.5	145.6



Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

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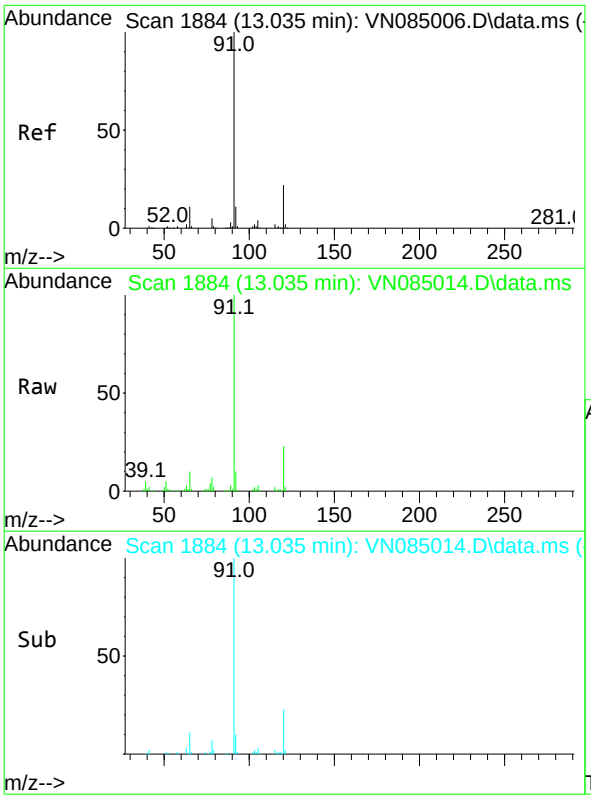
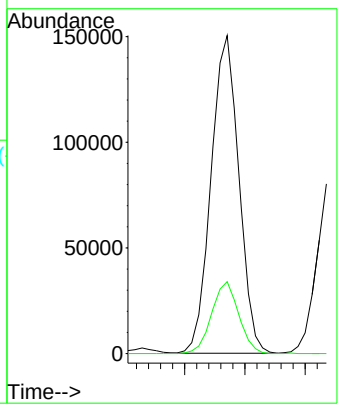
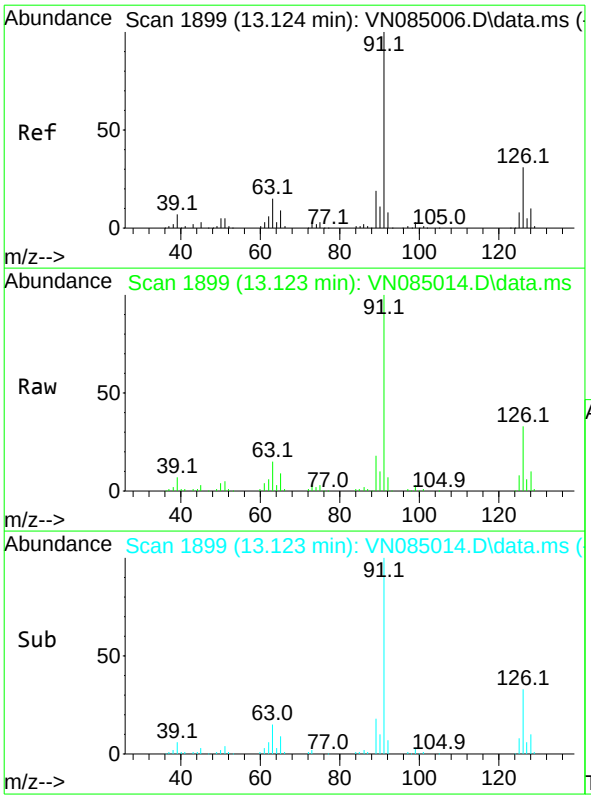


#78
n-propylbenzene
Concen: 22.425 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 91 Resp: 241081

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.3	33.9

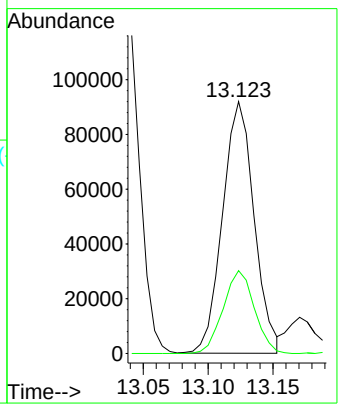




#79
2-Chlorotoluene
Concen: 21.706 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 91 Resp: 155771

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.1	48.3



Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

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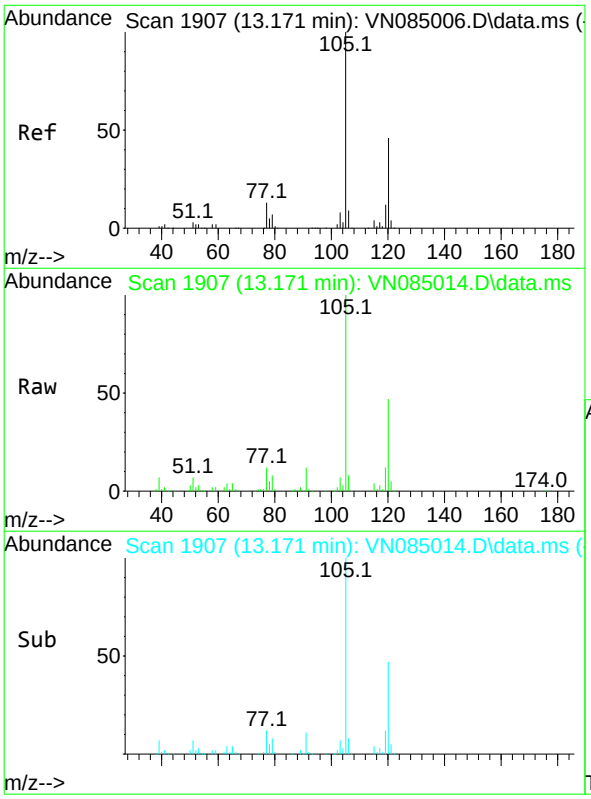
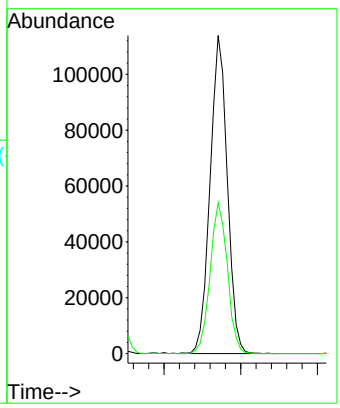
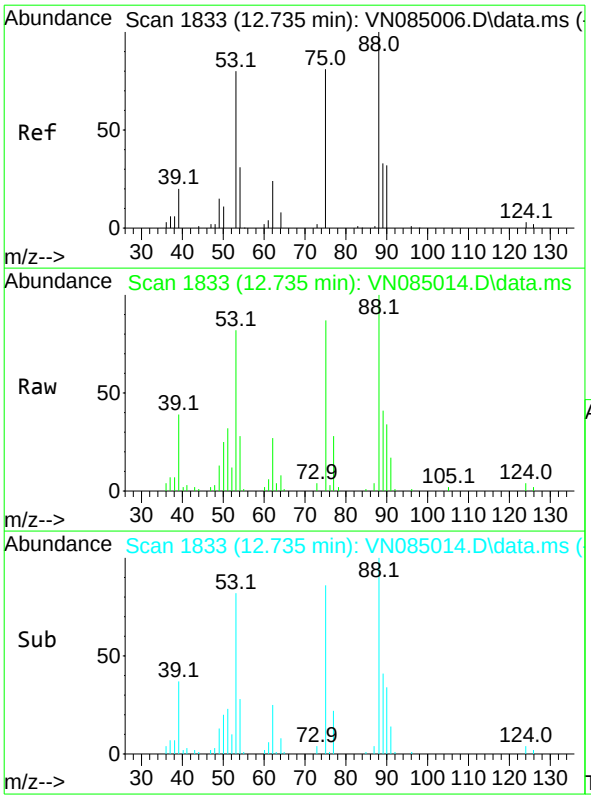


#80
1,3,5-Trimethylbenzene
Concen: 22.692 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:105 Resp: 177473

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.6	71.0

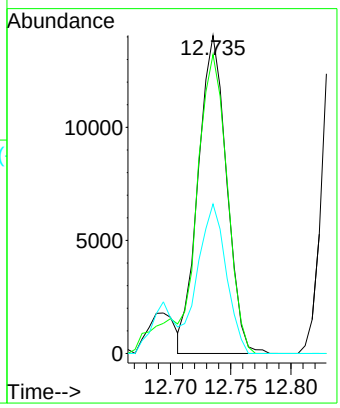




#81
trans-1,4-Dichloro-2-butene
Concen: 21.175 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 75 Resp: 23051

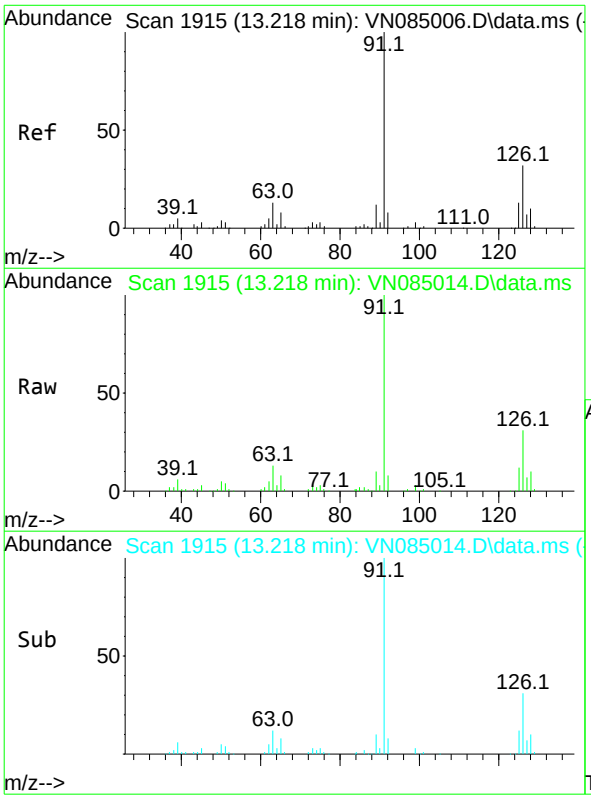
Ion	Ratio	Lower	Upper
75	100		
53	108.1	78.2	117.4
89	47.2	37.9	56.9



Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Manual Integrations APPROVED

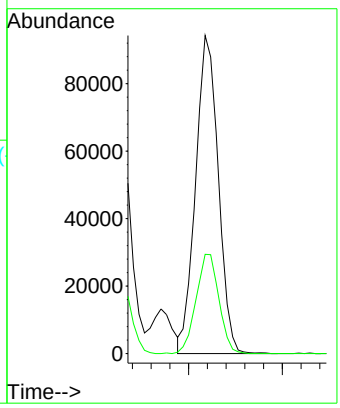
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

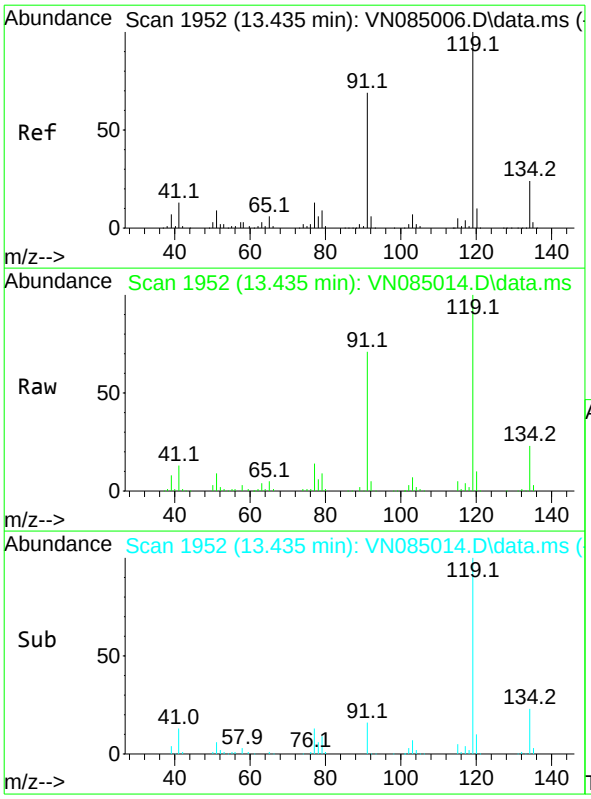


#82
4-Chlorotoluene
Concen: 21.193 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 91 Resp: 158323

Ion	Ratio	Lower	Upper
91	100		
126	31.4	16.1	48.3

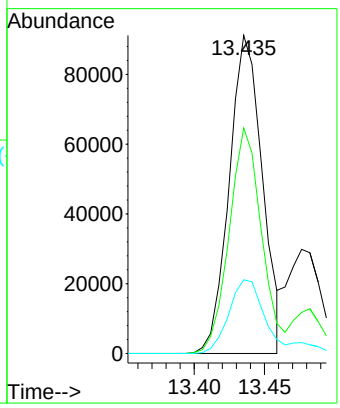




#83
tert-Butylbenzene
Concen: 22.181 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:119 Resp: 149265

Ion	Ratio	Lower	Upper
119	100		
91	69.7	35.1	105.5
134	27.2	12.1	36.3



Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

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Reviewed By :John Carlone 11/25/2024
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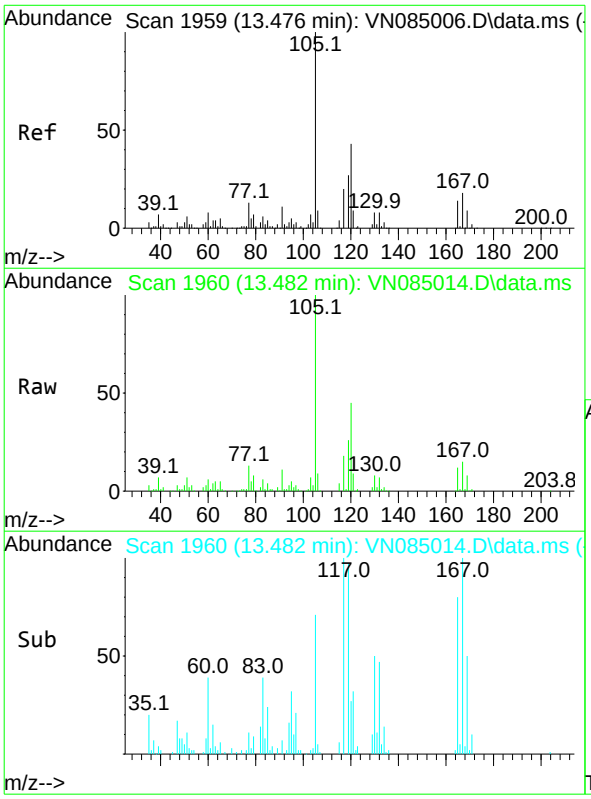
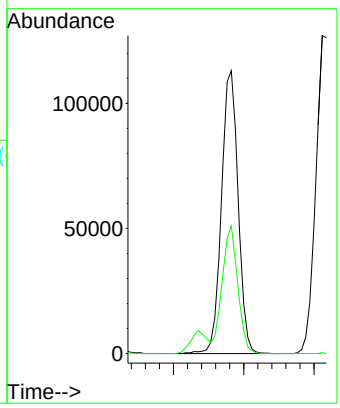
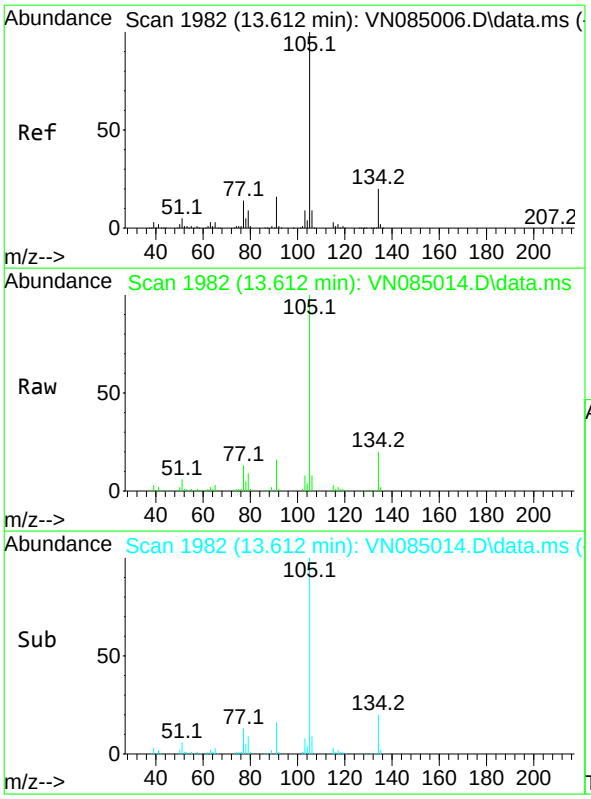


#84
1,2,4-Trimethylbenzene
Concen: 23.082 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:105 Resp: 185826

Ion	Ratio	Lower	Upper
105	100		
120	42.5	21.8	65.4

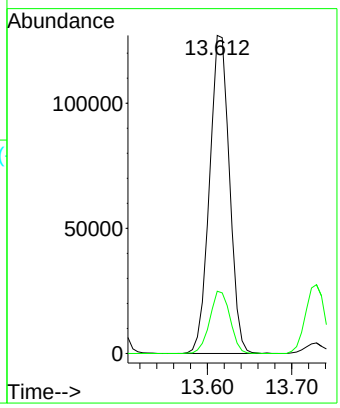




#85
sec-Butylbenzene
Concen: 22.952 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:105 Resp: 208641

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.3



Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

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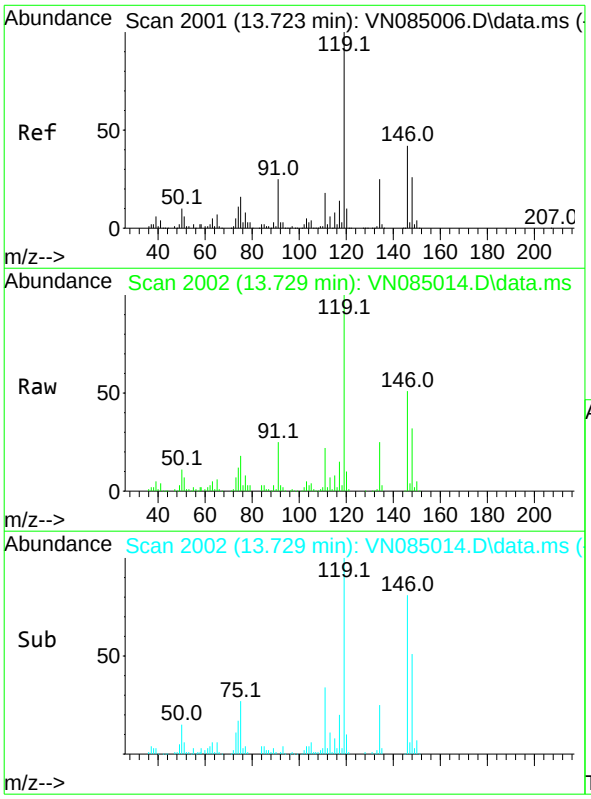
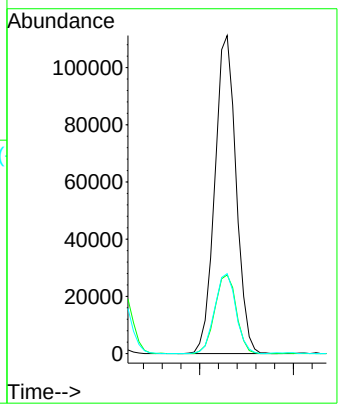
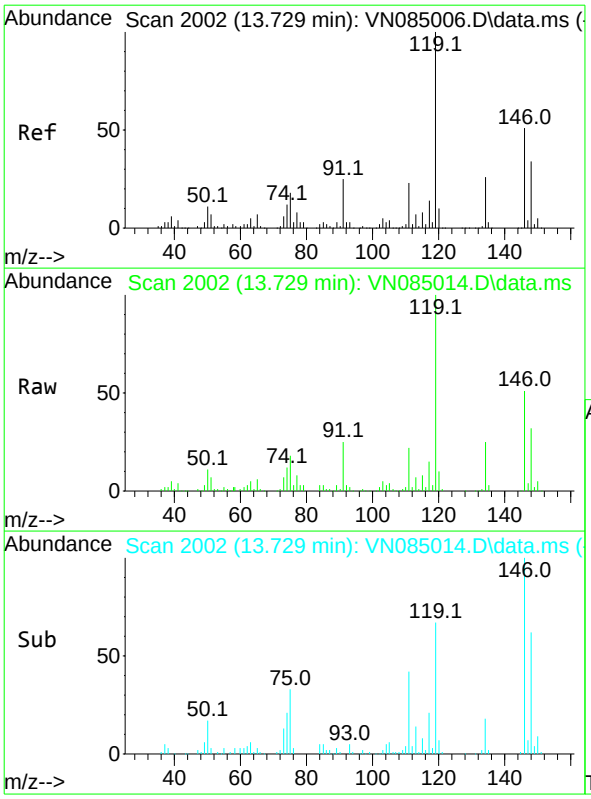


#86
p-Isopropyltoluene
Concen: 23.348 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:119 Resp: 175205

Ion	Ratio	Lower	Upper
119	100		
134	25.0	13.0	39.0
91	25.2	12.8	38.4

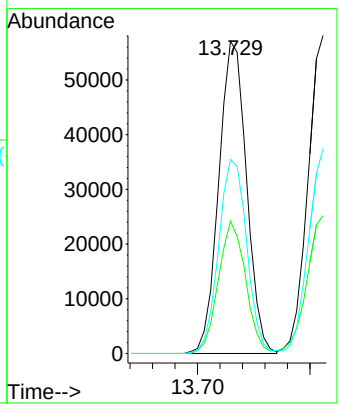




#87
1,3-Dichlorobenzene
Concen: 19.787 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:146 Resp: 97891

Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.6	65.0
148	63.2	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

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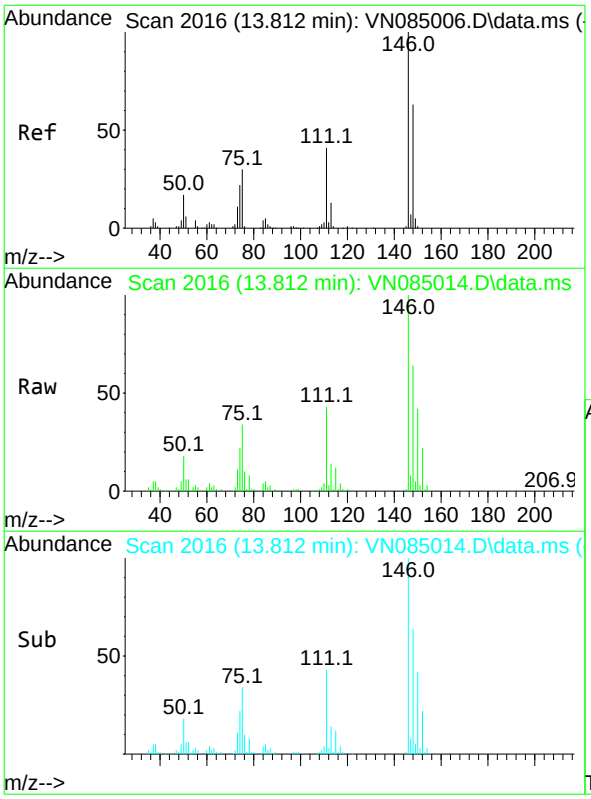
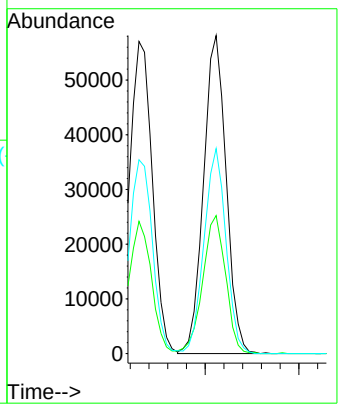
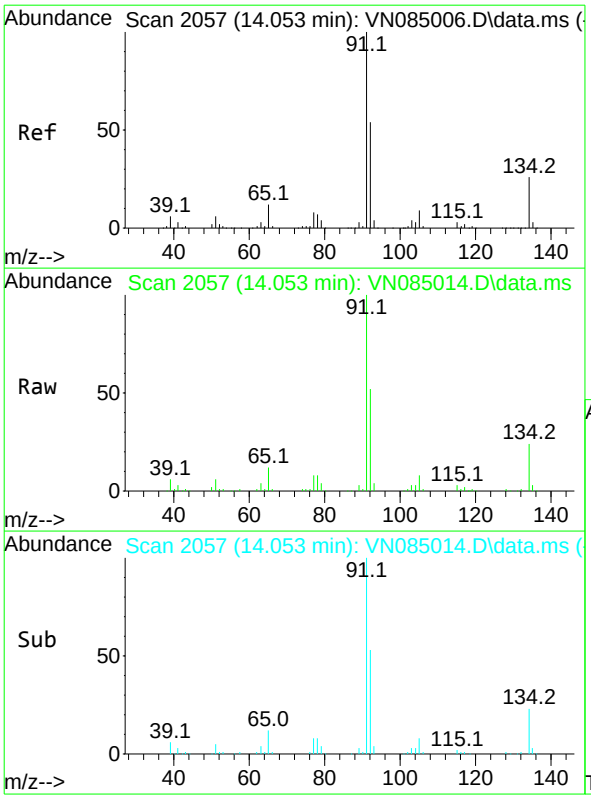


#88
1,4-Dichlorobenzene
Concen: 19.311 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:146 Resp: 97493

Ion	Ratio	Lower	Upper
146	100		
111	44.1	20.9	62.8
148	62.6	31.3	93.9

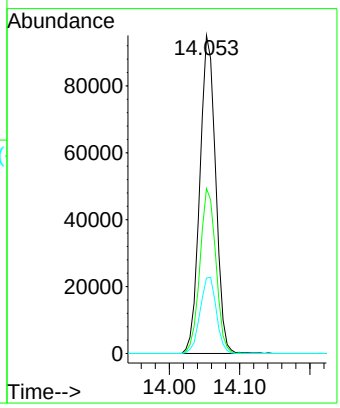




#89
n-Butylbenzene
Concen: 21.267 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 91 Resp: 148417

Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.8	80.3
134	24.6	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

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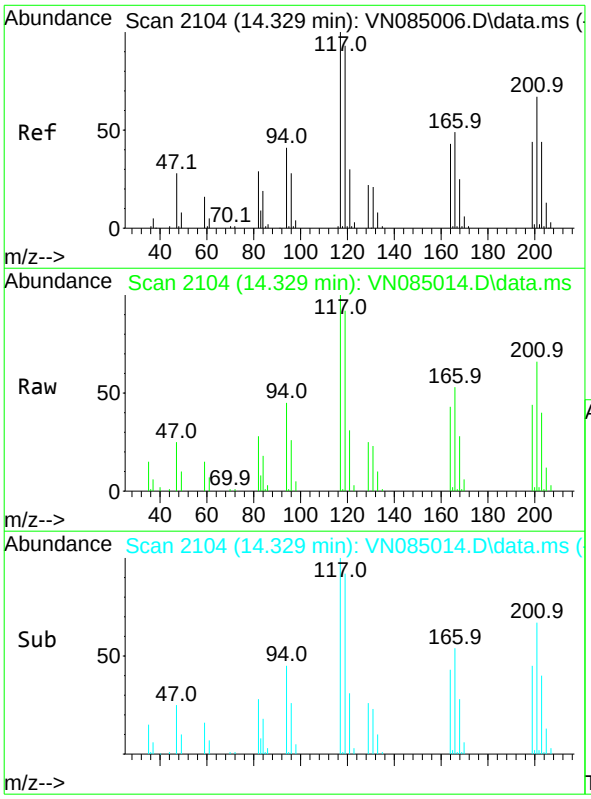
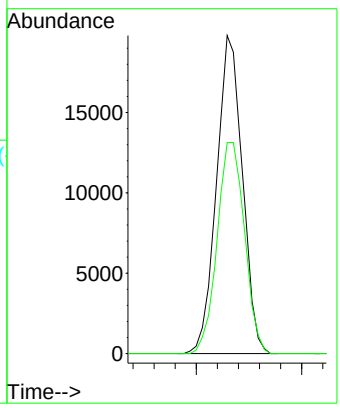
Supervised By :Mahesh Dadoda 11/25/2024

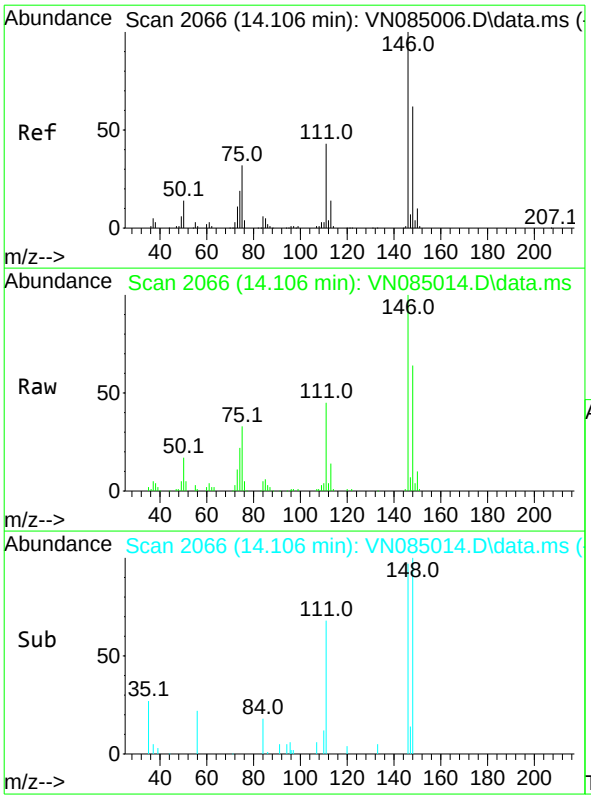


#90
Hexachloroethane
Concen: 20.589 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:117 Resp: 33677

Ion	Ratio	Lower	Upper
117	100		
201	70.4	35.2	105.6

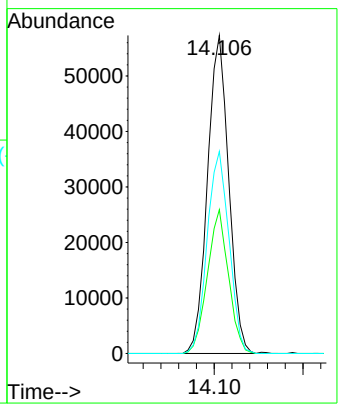




#91
1,2-Dichlorobenzene
Concen: 20.057 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:146 Resp: 95083

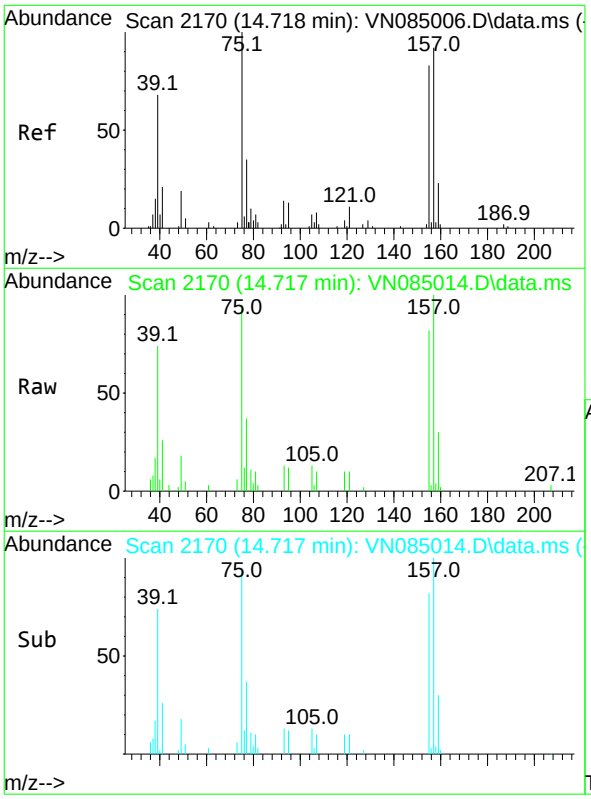
Ion	Ratio	Lower	Upper
146	100		
111	45.0	21.9	65.8
148	65.2	31.1	93.2



Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Manual Integrations APPROVED

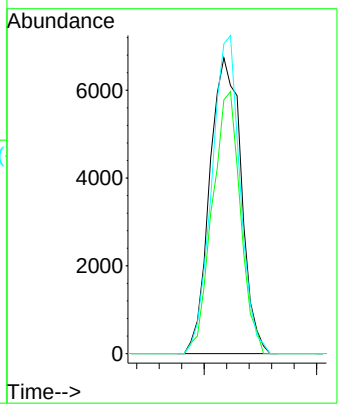
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

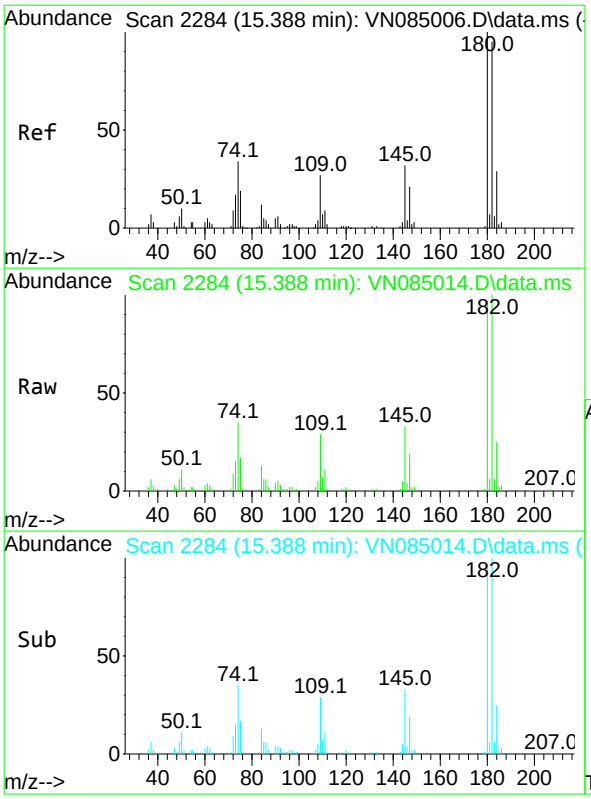


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.222 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 75 Resp: 13061

Ion	Ratio	Lower	Upper
75	100		
155	79.1	38.9	116.7
157	96.5	48.3	144.9





#93
1,2,4-Trichlorobenzene
Concen: 18.648 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:180 Resp: 48028

Ion	Ratio	Lower	Upper
180	100		
182	99.0	46.9	140.8
145	34.0	16.3	48.8

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

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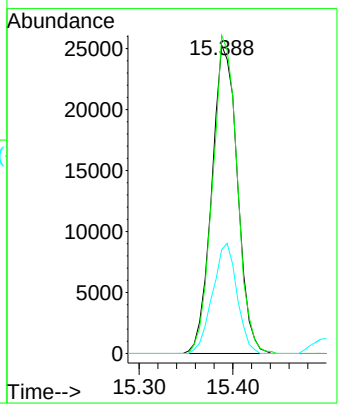
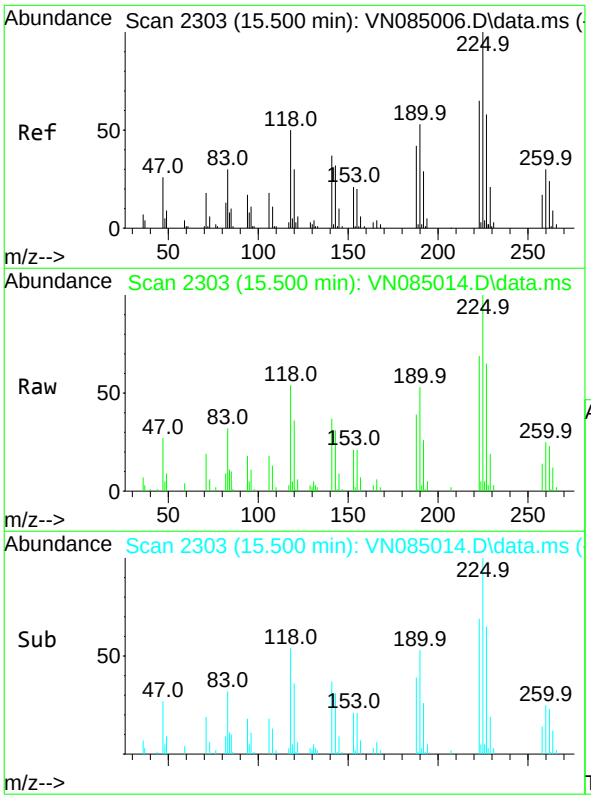
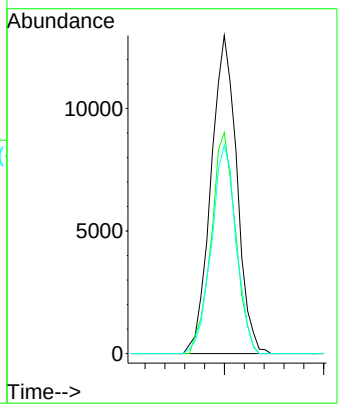


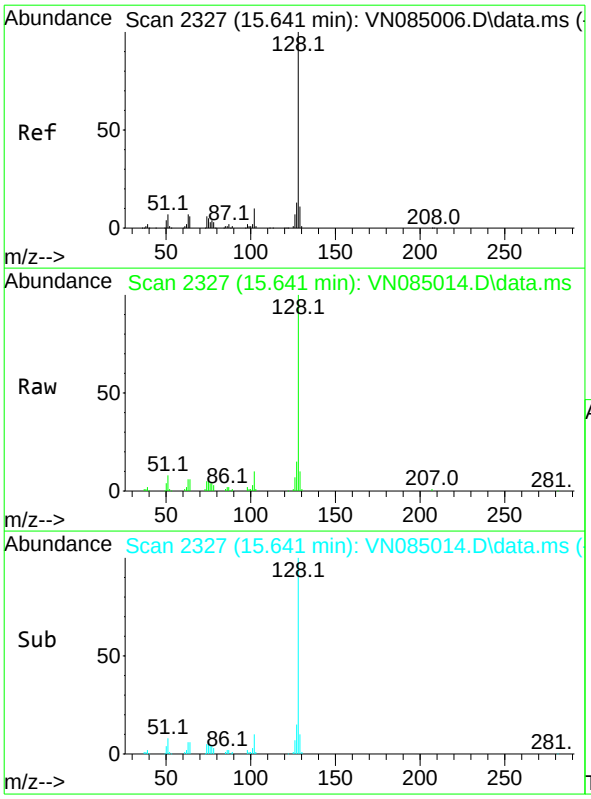


#94
Hexachlorobutadiene
Concen: 19.747 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:225 Resp: 23471

Ion	Ratio	Lower	Upper
225	100		
223	65.3	30.9	92.8
227	62.9	31.5	94.5

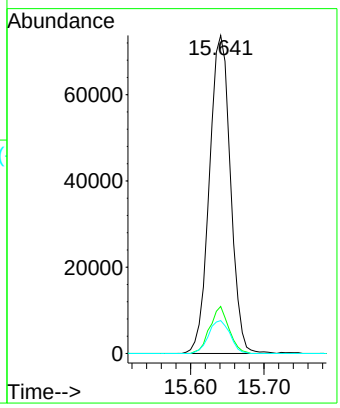




#95
Naphthalene
Concen: 20.078 ug/l
RT: 15.641 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:128 Resp: 147280

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	10.5	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

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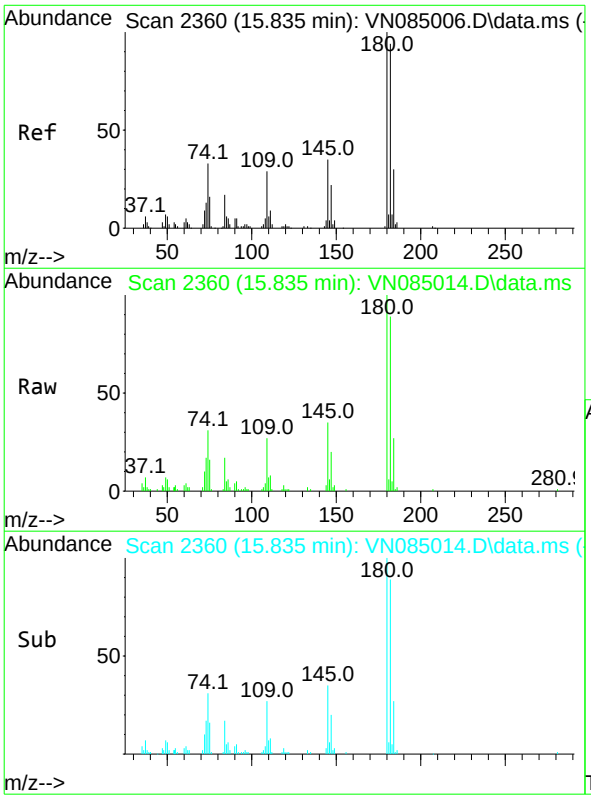
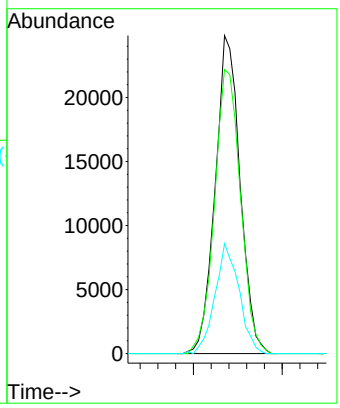


#96
1,2,3-Trichlorobenzene
Concen: 19.684 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:180 Resp: 48372

Ion	Ratio	Lower	Upper
180	100		
182	93.3	46.4	139.2
145	33.4	17.3	52.0



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VN1126WBS01	SDG No.:	P4845
Lab Sample ID:	VN1126WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085039.D	1		11/26/24 13:44	VN112624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	16.5		0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	17.2		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	17.1		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	17.7		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	16.9		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.7		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.0		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.6		0.26	0.75	1.00	ug/L
67-64-1	Acetone	120		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	15.4		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.0		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	23.2		0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	19.3		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.2		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.5		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	16.2		1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	110		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.2		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.1		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	22.5		0.18	0.50	1.00	ug/L
67-66-3	Chloroform	19.2		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.4		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	16.9		0.19	0.50	1.00	ug/L
71-43-2	Benzene	19.0		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.8		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	17.7		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.0		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.1		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	120		0.75	2.50	5.00	ug/L
108-88-3	Toluene	19.3		0.18	0.50	1.00	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VN1126WBS01	SDG No.:	P4845
Lab Sample ID:	VN1126WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085039.D	1		11/26/24 13:44	VN112624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.1		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.5		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.1		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	120		1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	20.1		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.6		0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	17.2		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	17.8		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	17.6		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	36.1		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	18.9		0.14	0.50	1.00	ug/L
100-42-5	Styrene	19.1		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	20.9		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	17.4		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.4		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	16.5		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	15.7		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	16.9		0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.6		0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	14.8		0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	15.8		0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.6		81 - 118		109%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	50.8		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.0		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	143000	8.224				
540-36-3	1,4-Difluorobenzene	244000	9.1				
3114-55-4	Chlorobenzene-d5	216000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	108000	13.788				

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Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VN1126WBS01	SDG No.:	P4845
Lab Sample ID:	VN1126WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085039.D	1		11/26/24 13:44	VN112624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085039.D
Acq On : 26 Nov 2024 13:44
Operator : JC\MD
Sample : VN1126WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 27 05:11:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Manual Integrations APPROVED
Reviewed By :John Carlone 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	142767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	244329	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	216462	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	108208	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	111008	54.587	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.180%			
35) Dibromofluoromethane	8.159	113	86701	52.620	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.240%			
50) Toluene-d8	10.565	98	299913	50.791	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.580%			
62) 4-Bromofluorobenzene	12.847	95	112610	50.996	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	26628	16.495	ug/l	99
3) Chloromethane	2.359	50	32238	17.218	ug/l	95
4) Vinyl Chloride	2.512	62	28759	17.092	ug/l	98
5) Bromomethane	2.901	94	16682	17.688	ug/l	92
6) Chloroethane	3.077	64	19118	16.857	ug/l	93
7) Trichlorofluoromethane	3.471	101	50800	17.748	ug/l	99
8) Diethyl Ether	3.953	74	20073	20.604	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.359	101	29219	17.998	ug/l	99
10) Methyl Iodide	4.577	142	40741	18.959	ug/l	91
11) Tert butyl alcohol	5.536	59	33369	122.791	ug/l	97
12) 1,1-Dichloroethene	4.324	96	26695	17.617	ug/l	90
13) Acrolein	4.177	56	23288	128.426	ug/l	95
14) Allyl chloride	5.006	41	48066	18.816	ug/l	95
15) Acrylonitrile	5.718	53	85896	111.643	ug/l	99
16) Acetone	4.430	43	71066	119.990	ug/l	98
17) Carbon Disulfide	4.700	76	69093	15.448	ug/l #	95
18) Methyl Acetate	5.024	43	45138	23.230	ug/l	96
19) Methyl tert-butyl Ether	5.789	73	103958	20.997	ug/l	100
20) Methylene Chloride	5.259	84	34836	19.275	ug/l	94
21) trans-1,2-Dichloroethene	5.777	96	29026	18.202	ug/l	95
22) Diisopropyl ether	6.671	45	105988	20.615	ug/l	94
23) Vinyl Acetate	6.600	43	385417	108.662	ug/l	98
24) 1,1-Dichloroethane	6.571	63	60068	19.523	ug/l #	97
25) 2-Butanone	7.483	43	109592	113.179	ug/l	99
26) 2,2-Dichloropropane	7.488	77	50027	17.413	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	36668	19.074	ug/l	97
28) Bromochloromethane	7.806	49	26171	22.534	ug/l	96
29) Tetrahydrofuran	7.841	42	70821	117.612	ug/l	98
30) Chloroform	7.965	83	62809	19.191	ug/l	99
31) Cyclohexane	8.253	56	43980	16.235	ug/l	96
32) 1,1,1-Trichloroethane	8.159	97	54399	18.394	ug/l	96
36) 1,1-Dichloropropene	8.365	75	38171	17.104	ug/l	100
37) Ethyl Acetate	7.559	43	46501	22.919	ug/l	98
38) Carbon Tetrachloride	8.359	117	46812	18.172	ug/l	89
39) Methylcyclohexane	9.600	83	39091	16.856	ug/l	97
40) Benzene	8.600	78	133991	18.983	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085039.D
Acq On : 26 Nov 2024 13:44
Operator : JC\MD
Sample : VN1126WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 27 05:11:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	25167	22.403 ug/l	97
42) 1,2-Dichloroethane	8.671	62	47916	19.842 ug/l	99
43) Isopropyl Acetate	8.688	43	77282	18.338 ug/l	99
44) Trichloroethene	9.347	130	28985	17.670 ug/l	100
45) 1,2-Dichloropropane	9.618	63	33039	19.004 ug/l	92
46) Dibromomethane	9.706	93	24823	20.548 ug/l	98
47) Bromodichloromethane	9.882	83	48958	19.121 ug/l	98
48) Methyl methacrylate	9.677	41	34837	22.214 ug/l	96
49) 1,4-Dioxane	9.694	88	12792	470.352 ug/l #	89
51) 4-Methyl-2-Pentanone	10.447	43	230100	119.536 ug/l	100
52) Toluene	10.624	92	80747	19.323 ug/l	100
53) t-1,3-Dichloropropene	10.835	75	48956	19.072 ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	53126	19.508 ug/l	96
55) 1,1,2-Trichloroethane	11.012	97	32843	21.101 ug/l	98
56) Ethyl methacrylate	10.871	69	49255	21.656 ug/l	96
57) 1,3-Dichloropropane	11.159	76	56174	20.506 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	110215	98.790 ug/l	100
59) 2-Hexanone	11.194	43	169501	117.736 ug/l	97
60) Dibromochloromethane	11.359	129	38306	20.137 ug/l	97
61) 1,2-Dibromoethane	11.471	107	33207	20.615 ug/l	100
64) Tetrachloroethene	11.100	164	25046	17.171 ug/l	93
65) Chlorobenzene	11.894	112	87409	17.805 ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	32401	18.746 ug/l	98
67) Ethyl Benzene	11.965	91	140498	17.641 ug/l	100
68) m/p-Xylenes	12.070	106	109412	36.083 ug/l	99
69) o-Xylene	12.400	106	54502	18.896 ug/l	98
70) Styrene	12.412	104	91816	19.142 ug/l	99
71) Bromoform	12.576	173	26805	20.893 ug/l #	99
73) Isopropylbenzene	12.694	105	132755	17.391 ug/l	100
74) N-amyl acetate	12.494	43	62970	20.018 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	50599	19.411 ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	40632m	20.644 ug/l	
77) Bromobenzene	12.982	156	36132	17.589 ug/l	93
78) n-propylbenzene	13.035	91	155410	17.651 ug/l	99
79) 2-Chlorotoluene	13.123	91	104984	17.862 ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	119023	18.581 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	16680	18.708 ug/l	99
82) 4-Chlorotoluene	13.223	91	104480	17.076 ug/l	99
83) tert-Butylbenzene	13.441	119	98995	17.962 ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	119771	18.164 ug/l	98
85) sec-Butylbenzene	13.617	105	131666	17.684 ug/l	99
86) p-Isopropyltoluene	13.729	119	108682	17.683 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	66961	16.526 ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	65064	15.735 ug/l	97
89) n-Butylbenzene	14.053	91	89788	15.709 ug/l	98
90) Hexachloroethane	14.335	117	22324	16.664 ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	65426	16.851 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	9392	18.632 ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	31113	14.750 ug/l	99
94) Hexachlorobutadiene	15.500	225	14791	15.194 ug/l	97
95) Naphthalene	15.641	128	98698	16.428 ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	31849	15.824 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085039.D
Acq On : 26 Nov 2024 13:44
Operator : JC\MD
Sample : VN1126WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 27 05:11:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

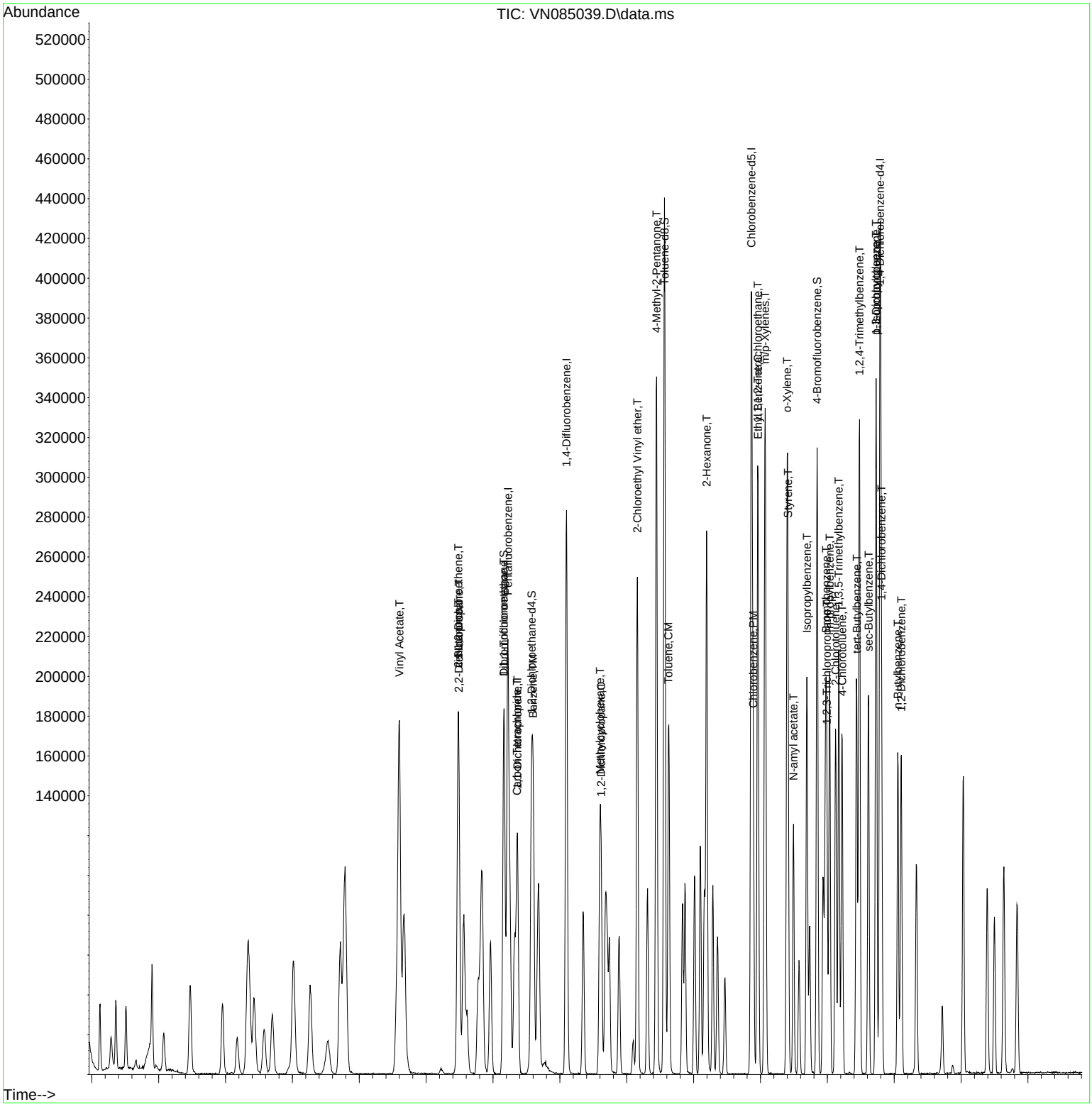
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085039.D
Acq On : 26 Nov 2024 13:44
Operator : JC\MD
Sample : VN1126WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

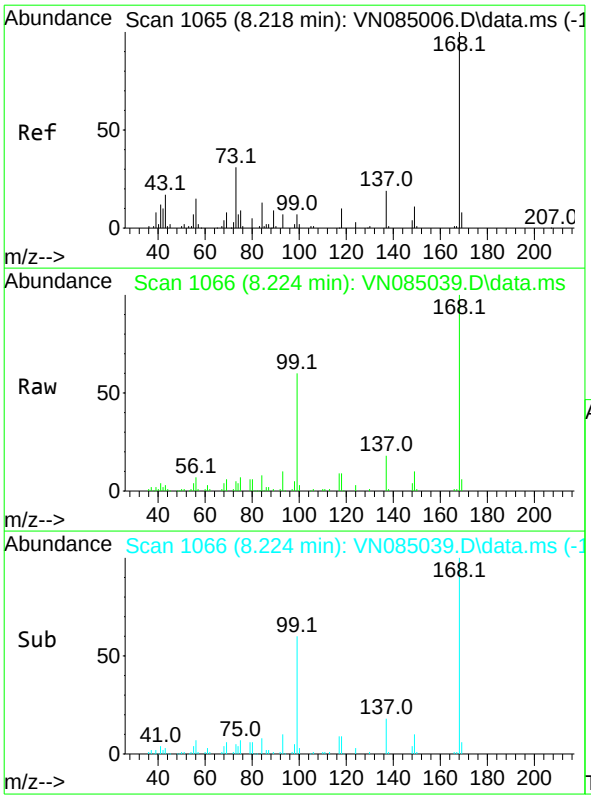
Quant Time: Nov 27 05:11:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

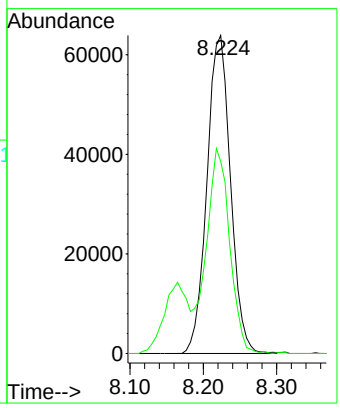




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:168 Resp: 142767

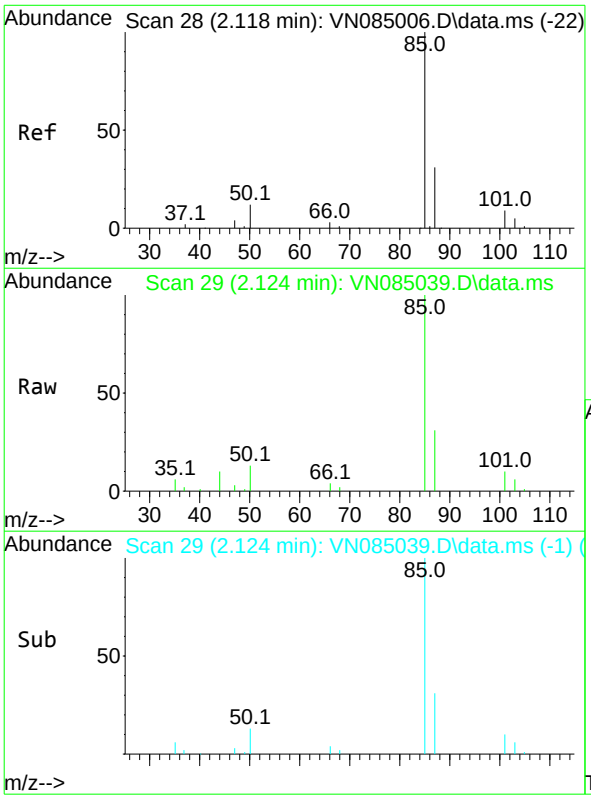
Ion	Ratio	Lower	Upper
168	100		
99	60.1	51.2	76.8



Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Manual Integrations APPROVED

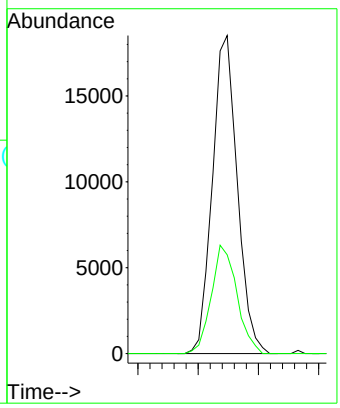
Reviewed By :John Carlone 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

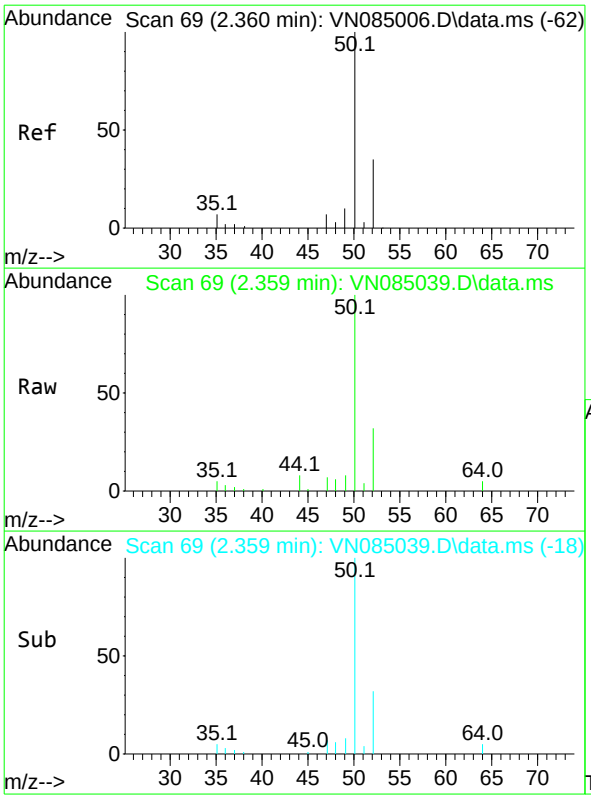


#2
Dichlorodifluoromethane
Concen: 16.495 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 85 Resp: 26628

Ion	Ratio	Lower	Upper
85	100		
87	31.1	15.7	47.1

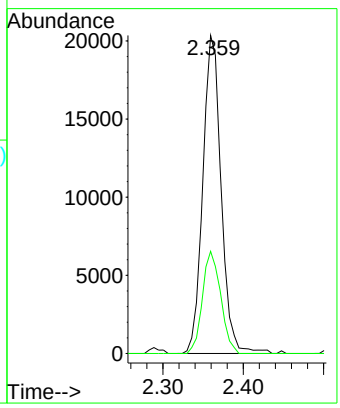




#3
Chloromethane
Concen: 17.218 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 50 Resp: 32238

Ion	Ratio	Lower	Upper
50	100		
52	32.1	27.8	41.8



Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/27/2024
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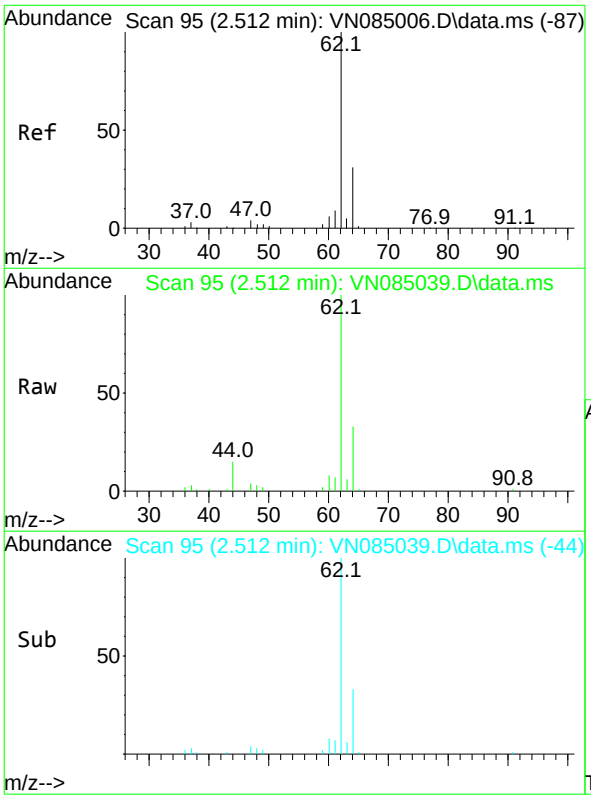
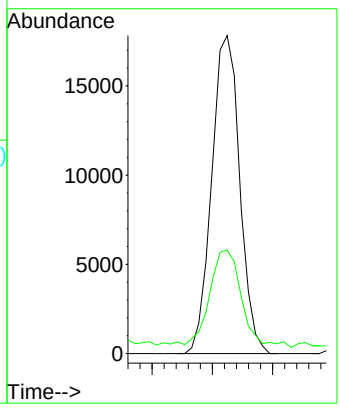
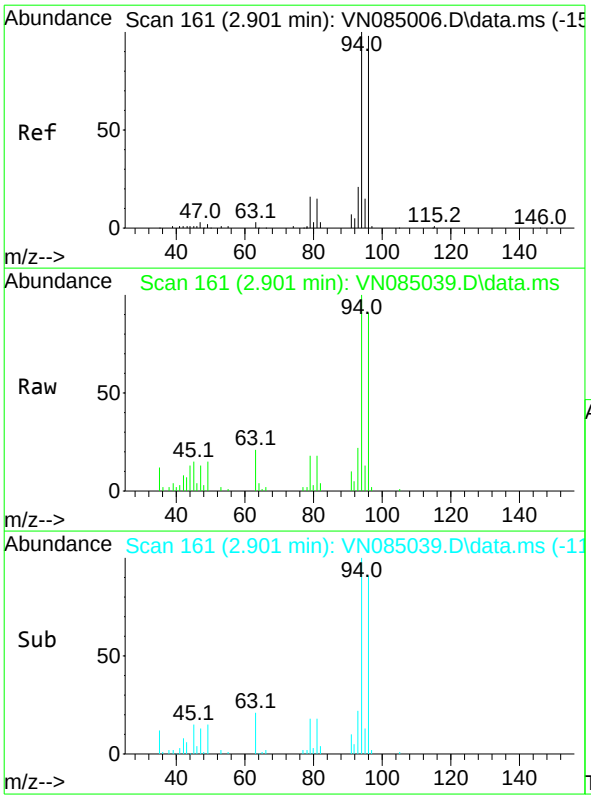


#4
Vinyl Chloride
Concen: 17.092 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 62 Resp: 28759

Ion	Ratio	Lower	Upper
62	100		
64	29.5	24.6	36.8

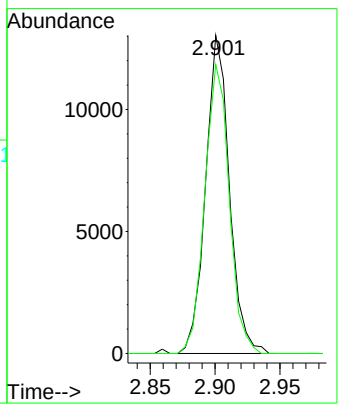




#5
Bromomethane
Concen: 17.688 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 94 Resp: 16682

Ion	Ratio	Lower	Upper
94	100		
96	90.8	78.7	118.1



Instrument :
MSVOA_N
ClientSampleId :
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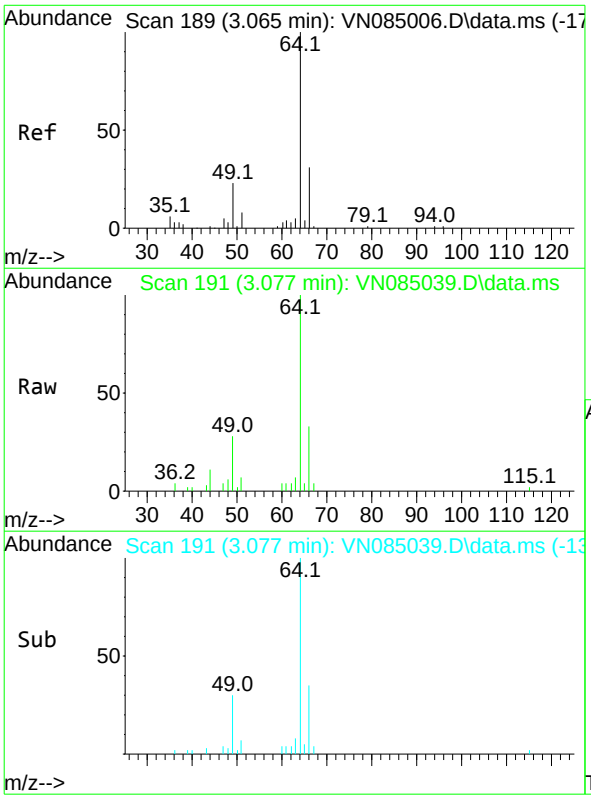
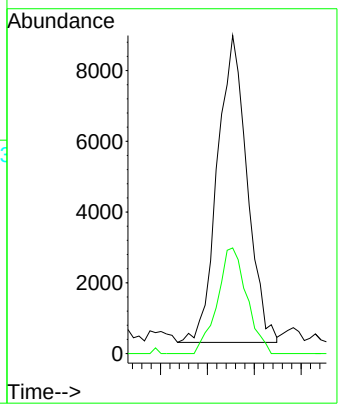
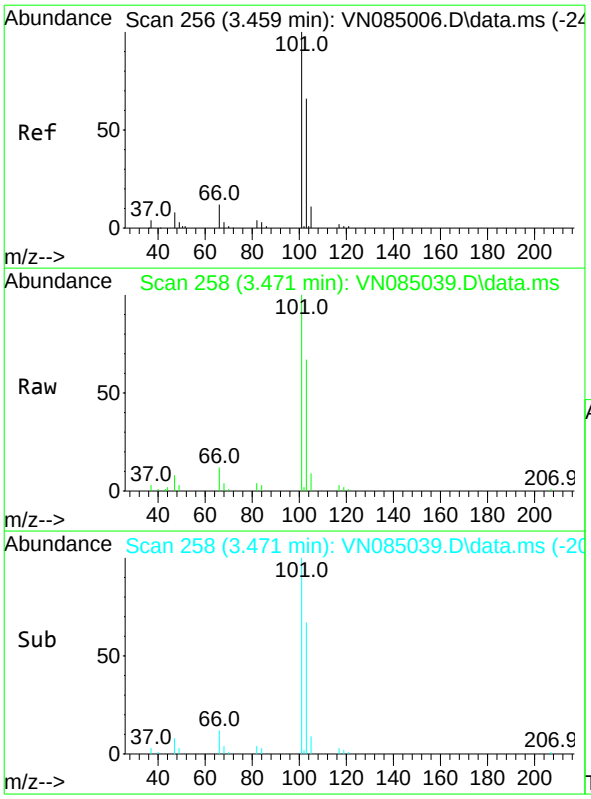


#6
Chloroethane
Concen: 16.857 ug/l
RT: 3.077 min Scan# 191
Delta R.T. 0.012 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 64 Resp: 19118

Ion	Ratio	Lower	Upper
64	100		
66	34.4	24.4	36.6

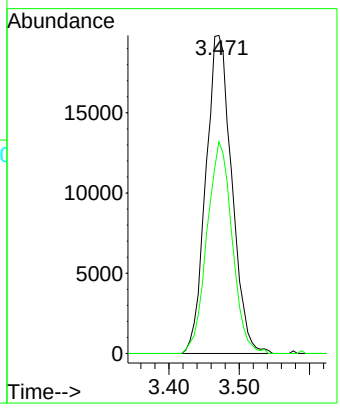




#7
Trichlorofluoromethane
Concen: 17.748 ug/l
RT: 3.471 min Scan# 25
Delta R.T. 0.012 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:101 Resp: 50800

Ion	Ratio	Lower	Upper
101	100		
103	66.6	52.6	78.8



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ClientSampleId :
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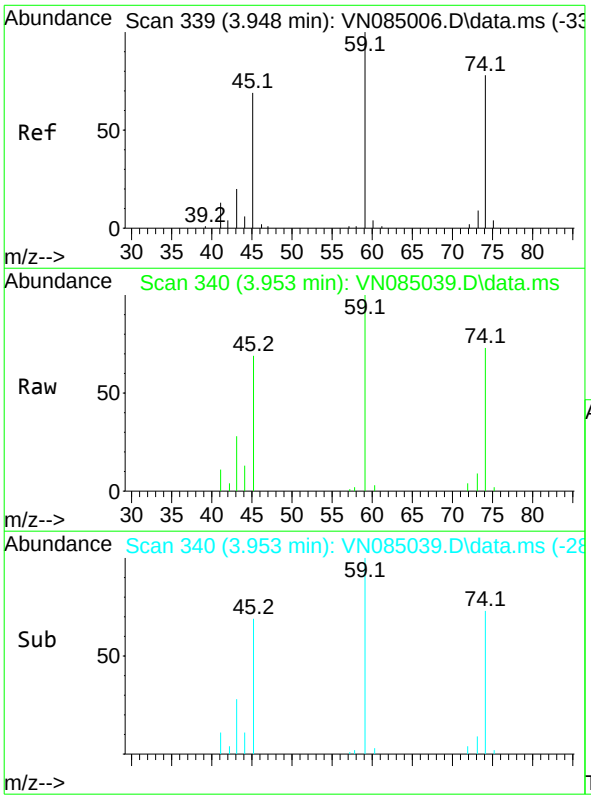
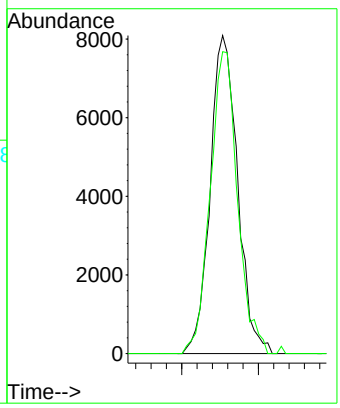
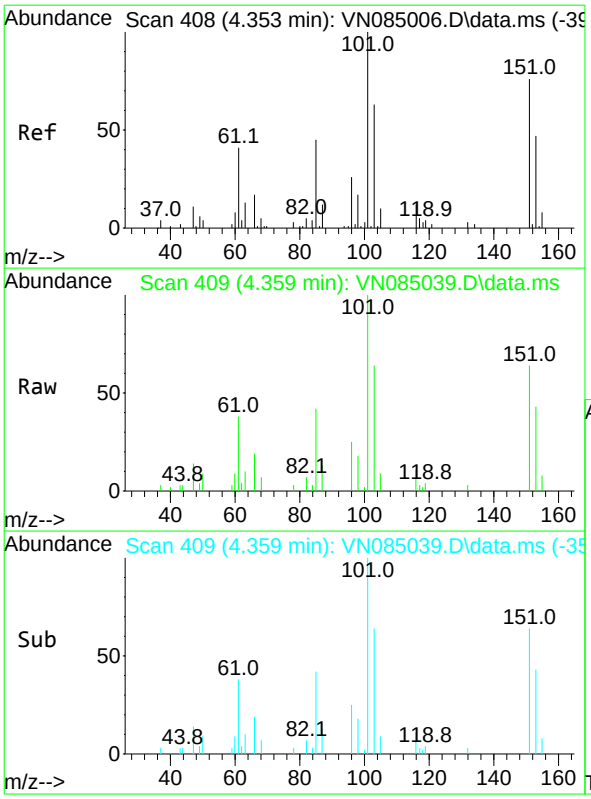


#8
Diethyl Ether
Concen: 20.604 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 74 Resp: 20073

Ion	Ratio	Lower	Upper
74	100		
45	94.8	46.7	140.1

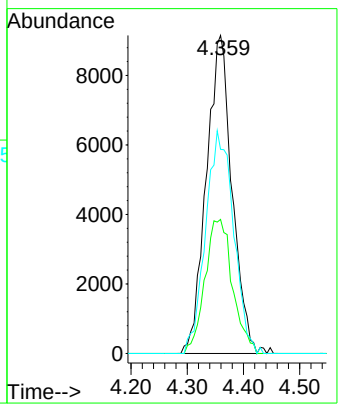




#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.998 ug/l
RT: 4.359 min Scan# 40
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:101 Resp: 29219

Ion	Ratio	Lower	Upper
101	100		
85	44.9	36.9	55.3
151	75.7	60.8	91.2



Instrument :
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ClientSampleId :
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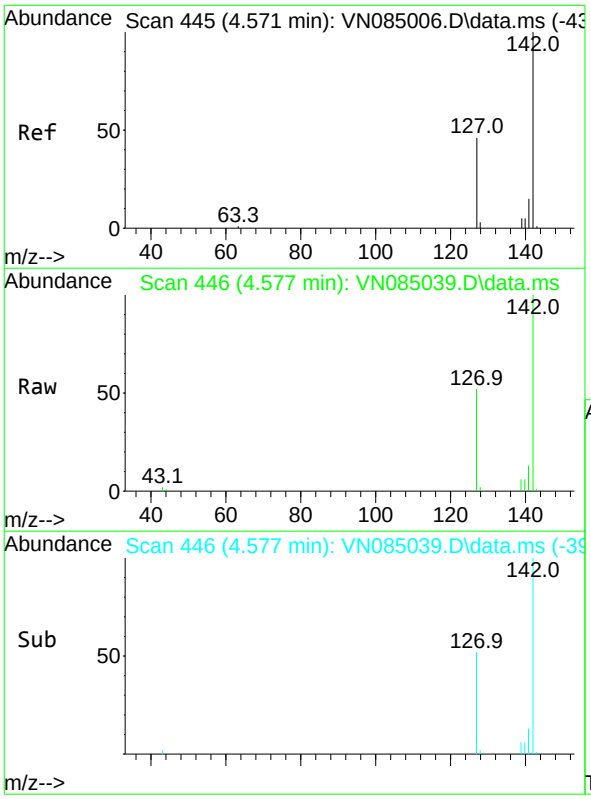
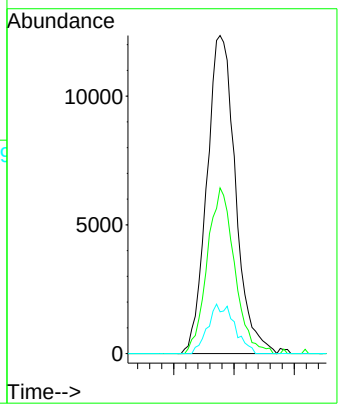
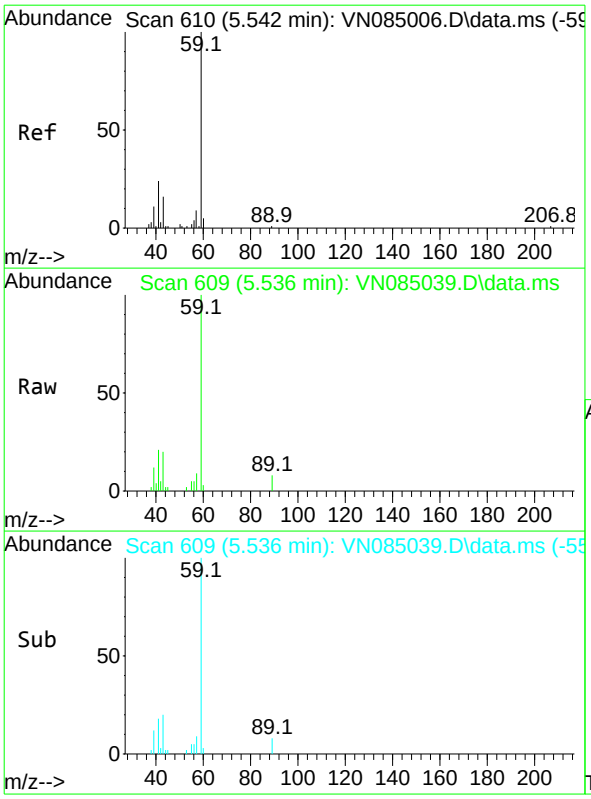


#10
Methyl Iodide
Concen: 18.959 ug/l
RT: 4.577 min Scan# 446
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:142 Resp: 40741

Ion	Ratio	Lower	Upper
142	100		
127	52.1	36.6	54.8
141	13.1	12.2	18.4

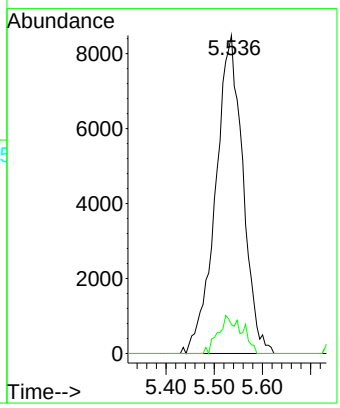




#11
Tert butyl alcohol
Concen: 122.791 ug/l
RT: 5.536 min Scan# 60
Delta R.T. -0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 59 Resp: 33369

Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.4	11.0



Instrument :
MSVOA_N
ClientSampleId :
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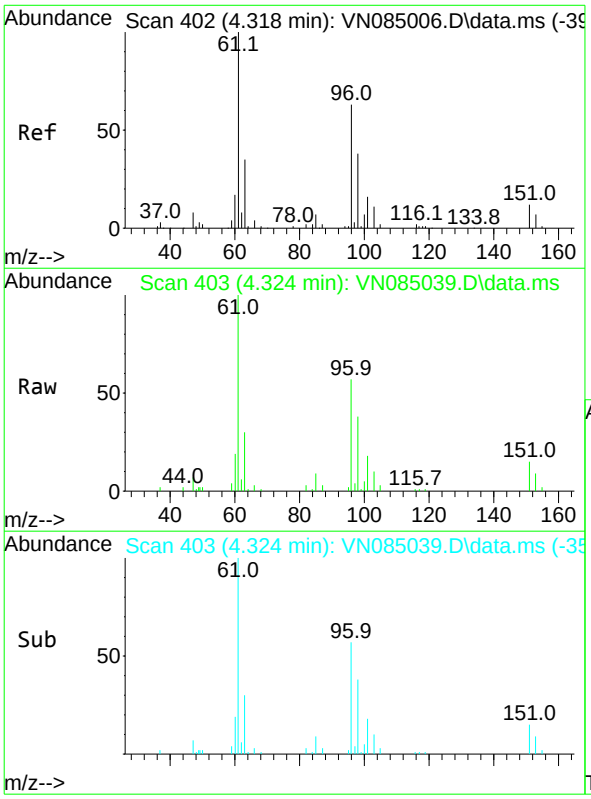
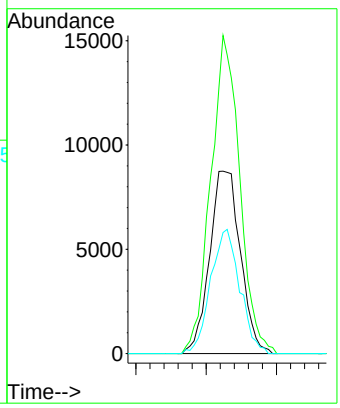
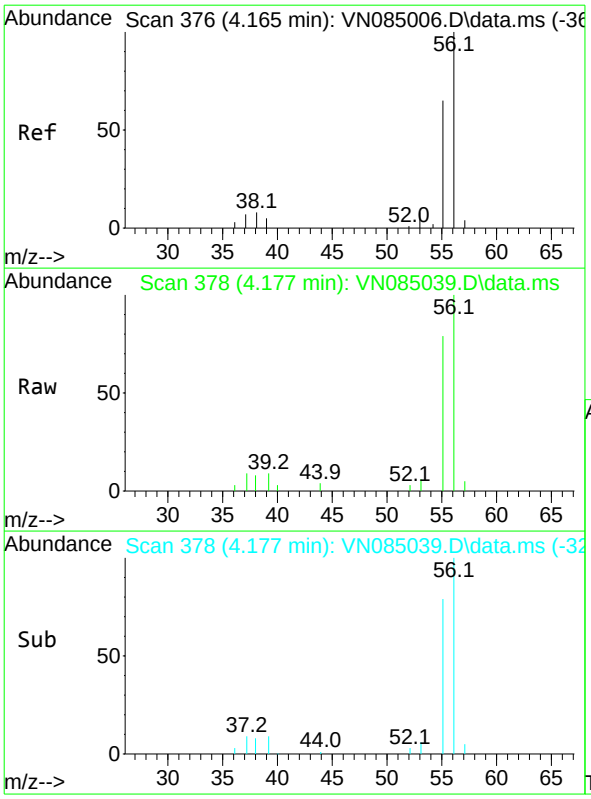


#12
1,1-Dichloroethene
Concen: 17.617 ug/l
RT: 4.324 min Scan# 403
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 96 Resp: 26695

Ion	Ratio	Lower	Upper
96	100		
61	174.4	127.8	191.8
98	66.4	49.2	73.8

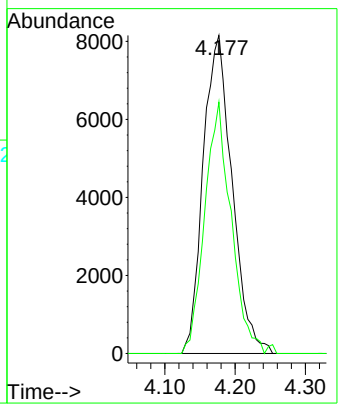




#13
Acrolein
Concen: 128.426 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.012 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 56 Resp: 23288

Ion	Ratio	Lower	Upper
56	100		
55	72.1	54.5	81.7



Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

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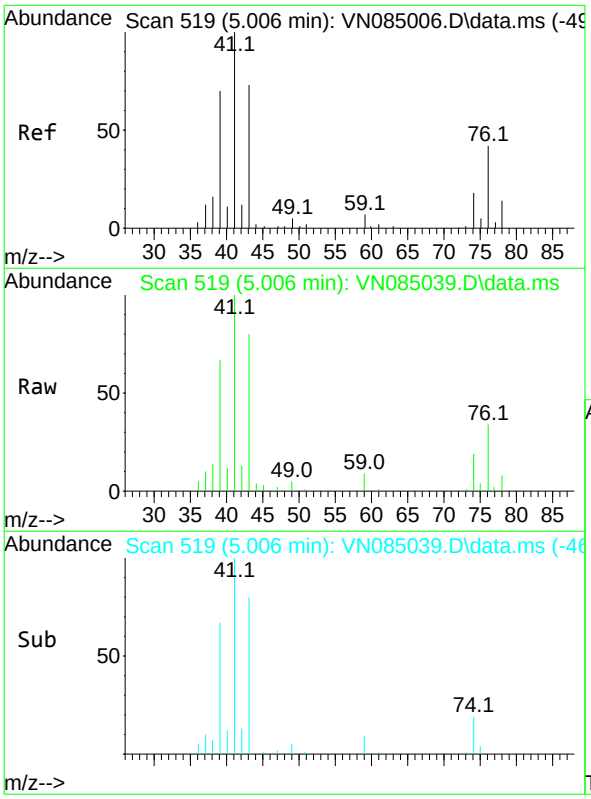
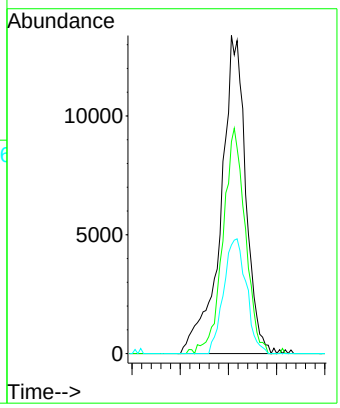
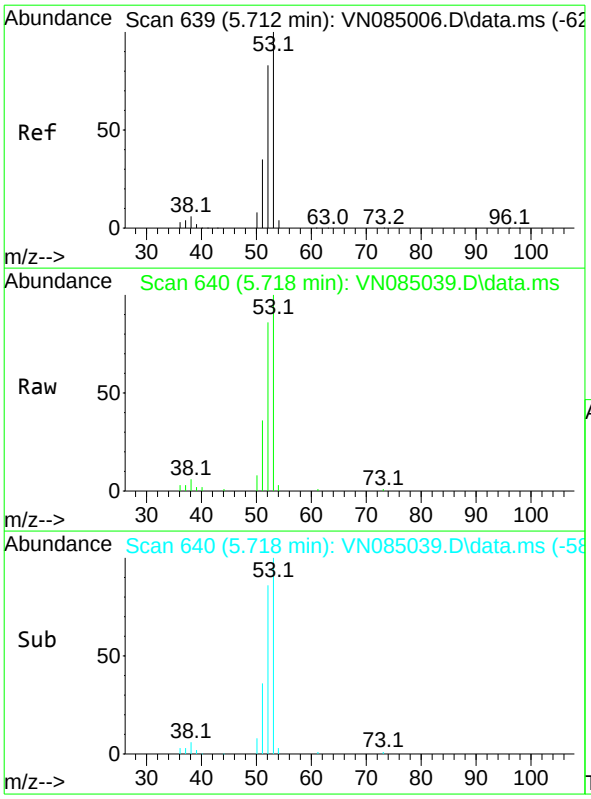


#14
Allyl chloride
Concen: 18.816 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 41 Resp: 48066

Ion	Ratio	Lower	Upper
41	100		
39	63.6	53.8	80.8
76	32.9	29.3	43.9

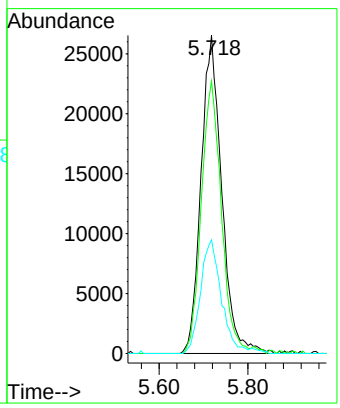




#15
Acrylonitrile
Concen: 111.643 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 53 Resp: 85896

Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.5	98.3
51	35.8	28.4	42.6



Instrument :
MSVOA_N
ClientSampleId :
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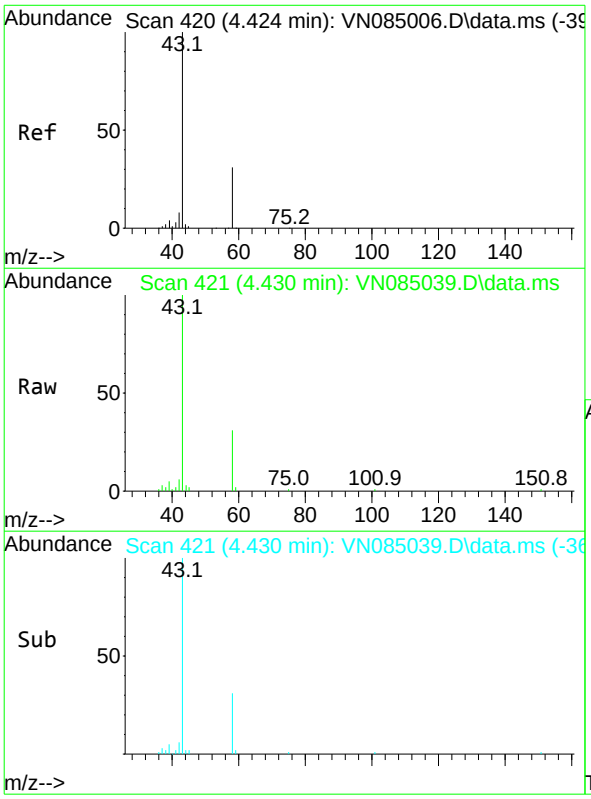
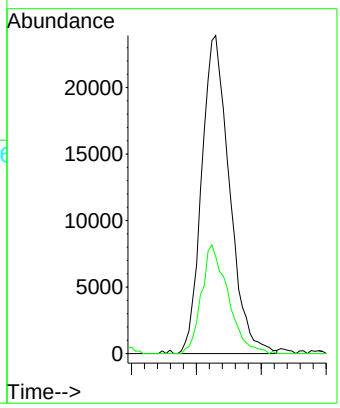
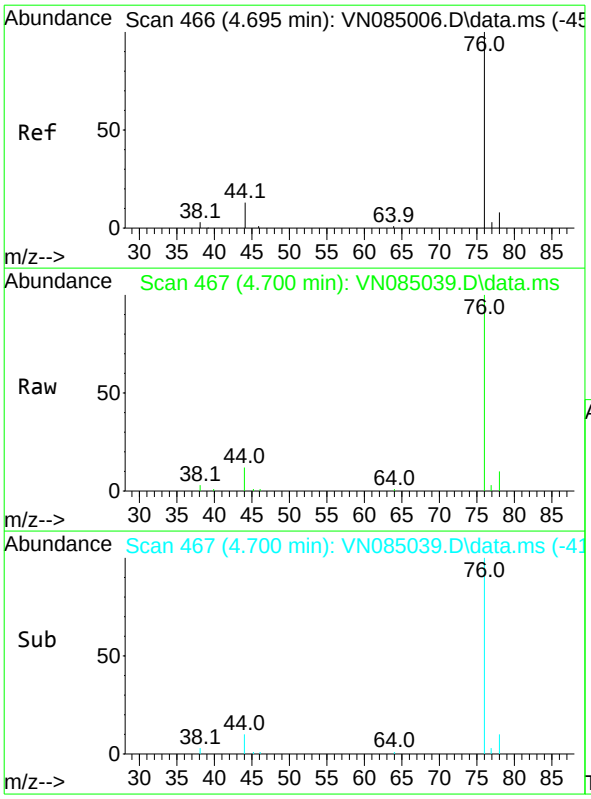


#16
Acetone
Concen: 119.990 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 43 Resp: 71066

Ion	Ratio	Lower	Upper
43	100		
58	30.5	25.4	38.2





#17
Carbon Disulfide
Concen: 15.448 ug/l
RT: 4.700 min Scan# 46
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 76 Resp: 69093

Ion	Ratio	Lower	Upper
76	100		
78	9.9	6.5	9.7#

Instrument :
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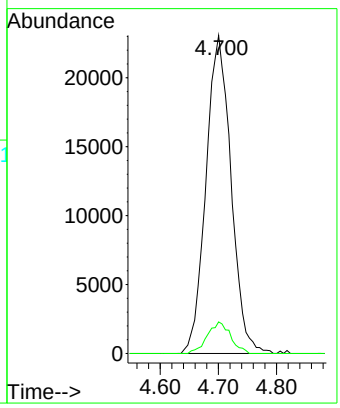
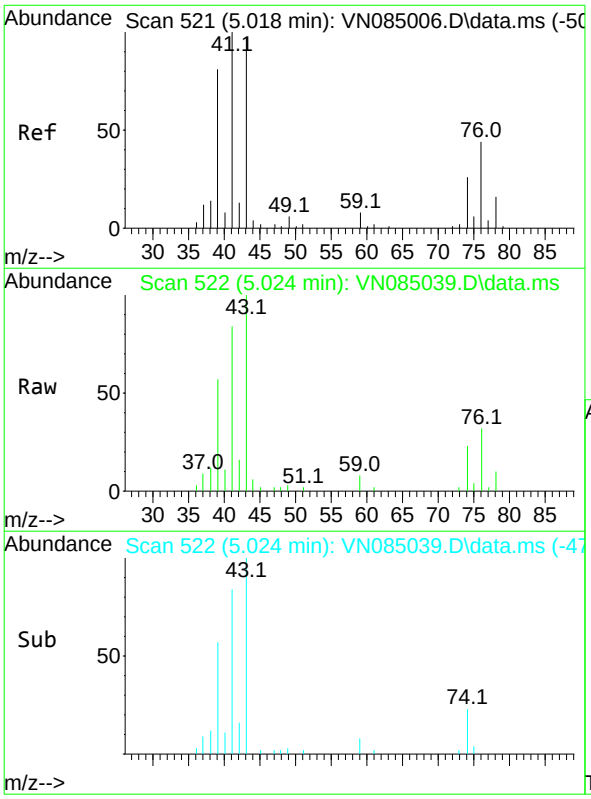
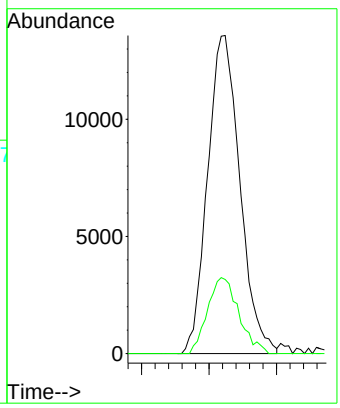


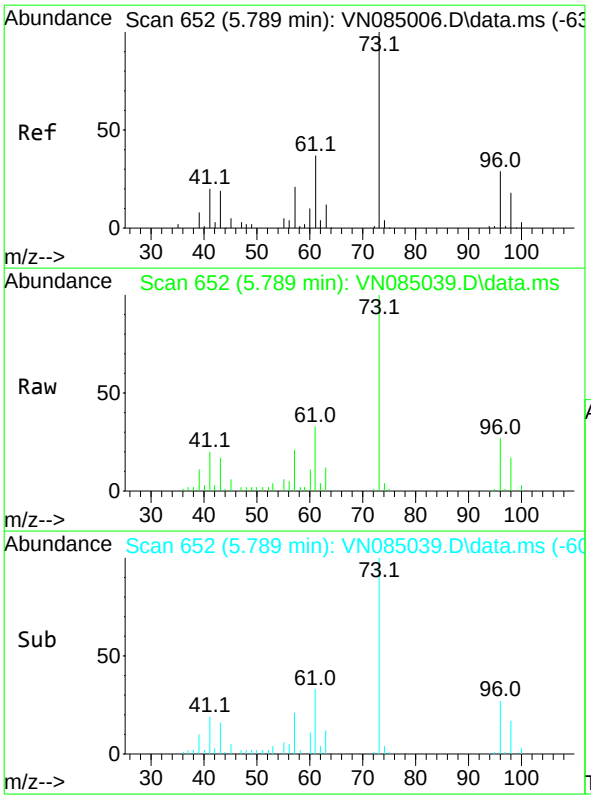


#18
Methyl Acetate
Concen: 23.230 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 43 Resp: 45138

Ion	Ratio	Lower	Upper
43	100		
74	23.2	20.1	30.1

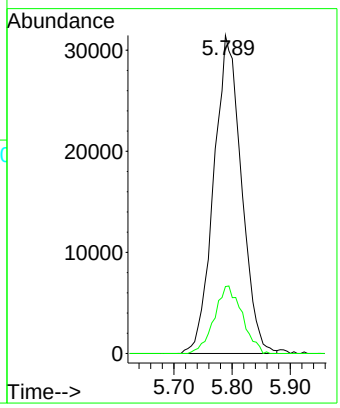




#19
Methyl tert-butyl Ether
Concen: 20.997 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 73 Resp: 103958

Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.0	25.4



Instrument :
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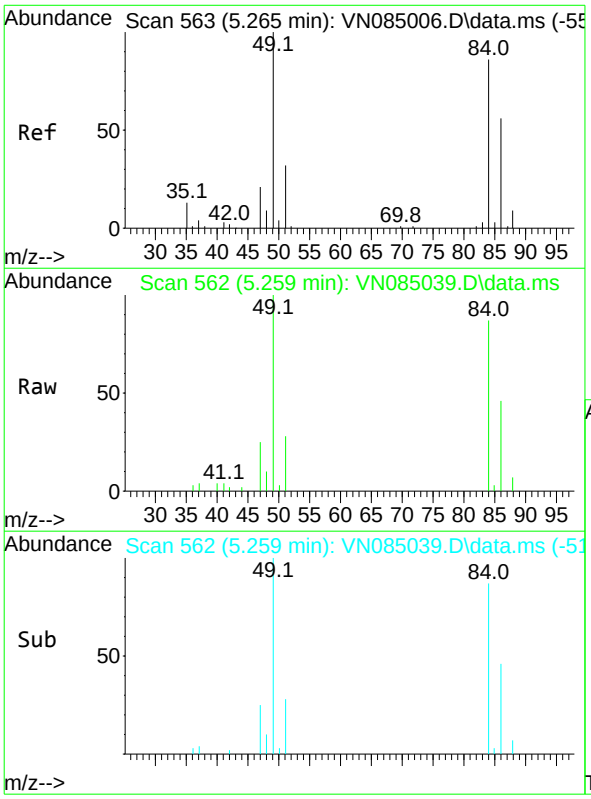
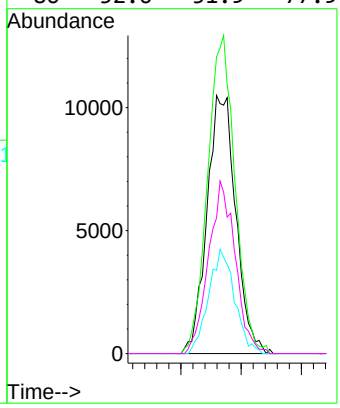
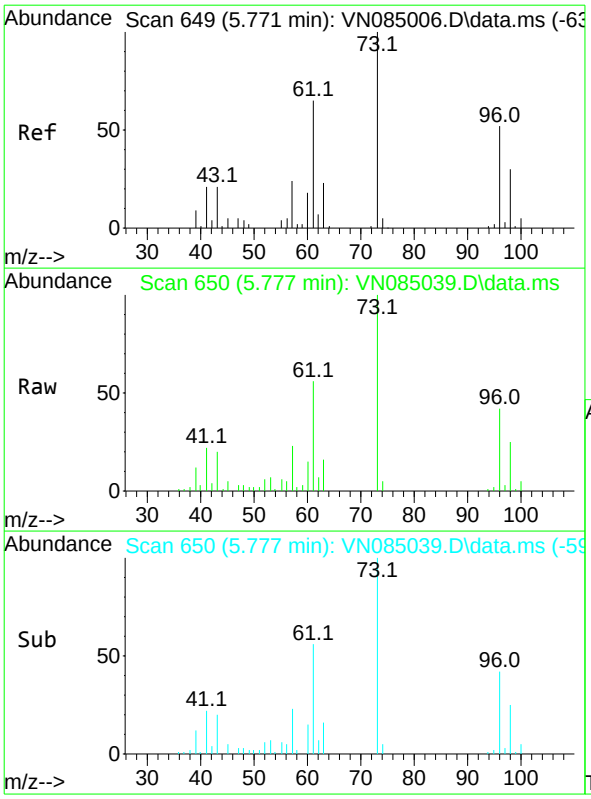


#20
Methylene Chloride
Concen: 19.275 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 84 Resp: 34836

Ion	Ratio	Lower	Upper
84	100		
49	115.0	92.7	139.1
51	32.3	29.4	44.2
86	52.6	51.9	77.9

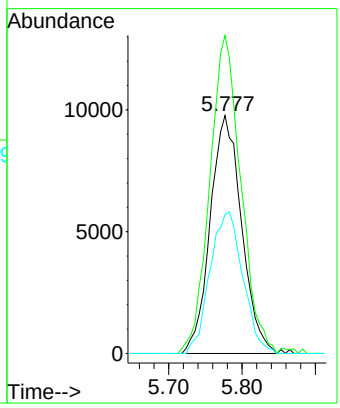




#21
trans-1,2-Dichloroethene
Concen: 18.202 ug/l
RT: 5.777 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 96 Resp: 29026

Ion	Ratio	Lower	Upper
96	100		
61	133.7	100.7	151.1
98	58.4	45.8	68.6



Instrument :
MSVOA_N
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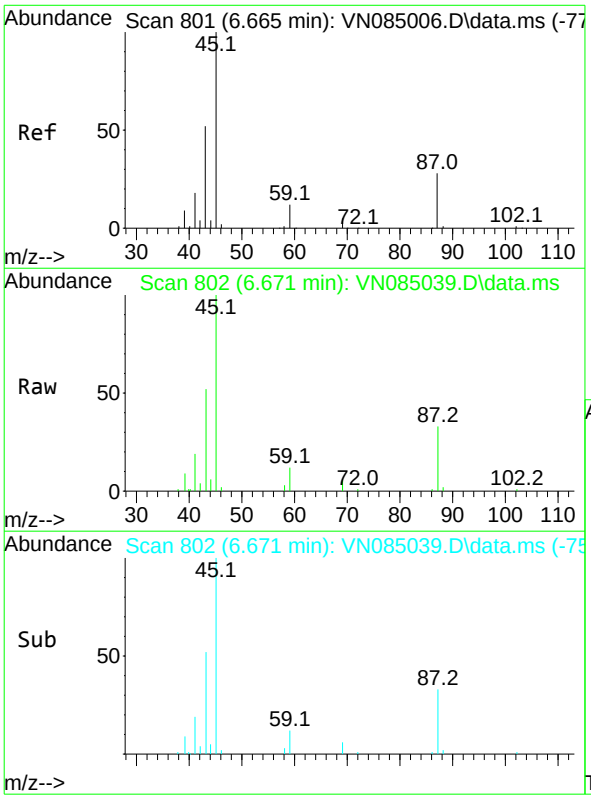
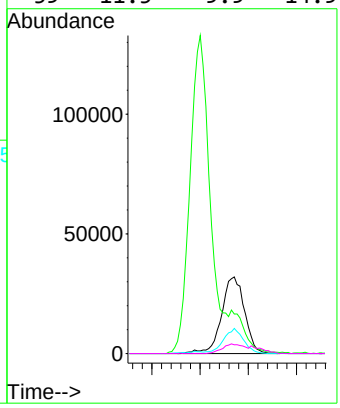
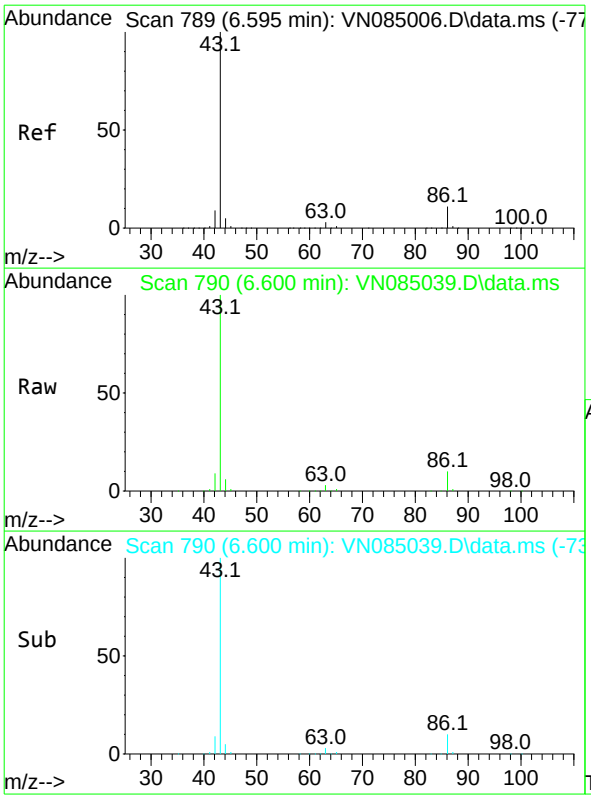


#22
Diisopropyl ether
Concen: 20.615 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 45 Resp: 105988

Ion	Ratio	Lower	Upper
45	100		
43	49.8	42.7	64.1
87	32.8	22.6	34.0
59	11.5	9.9	14.9

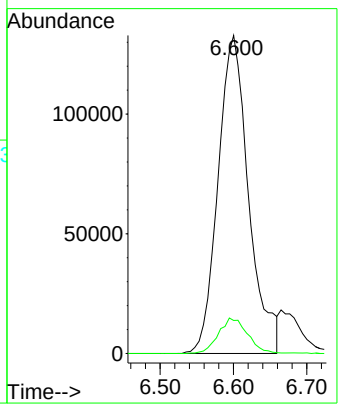




#23
Vinyl Acetate
Concen: 108.662 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 43 Resp: 385417

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.9	13.3



Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

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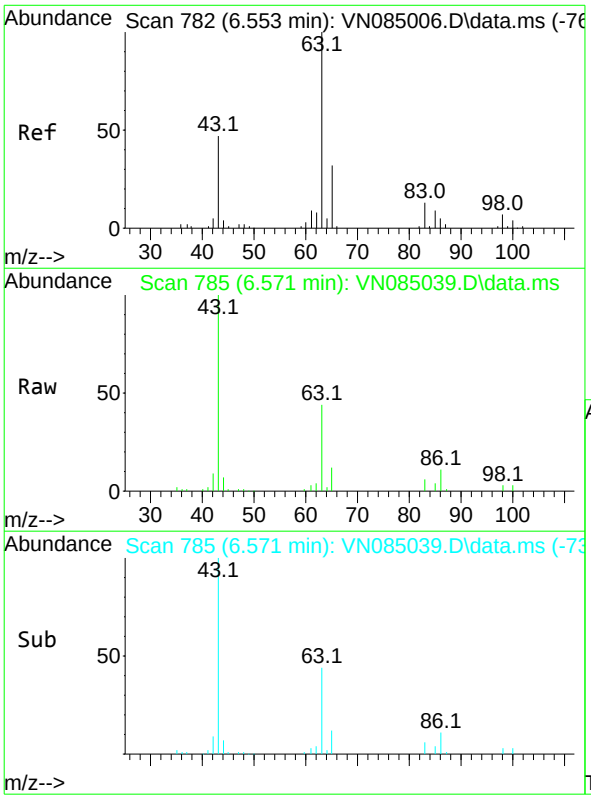
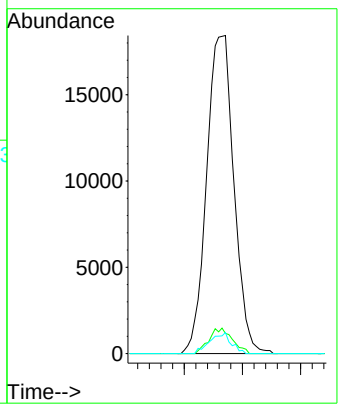
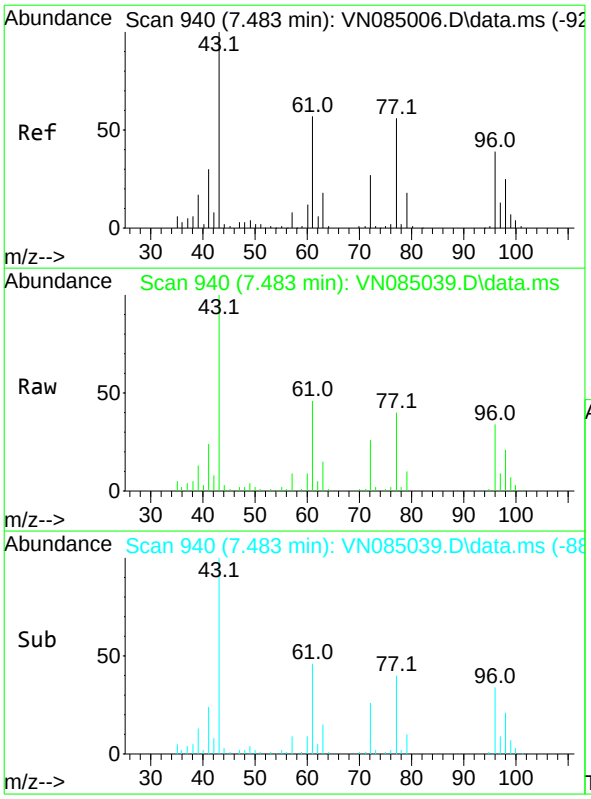


#24
1,1-Dichloroethane
Concen: 19.523 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.018 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 63 Resp: 60068

Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.3	9.8
100	6.6	2.2	6.6#

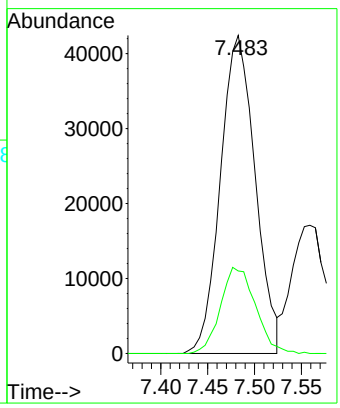




#25
2-Butanone
Concen: 113.179 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 43 Resp: 109592

Ion	Ratio	Lower	Upper
43	100		
72	25.9	21.4	32.0



Instrument :
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ClientSampleId :
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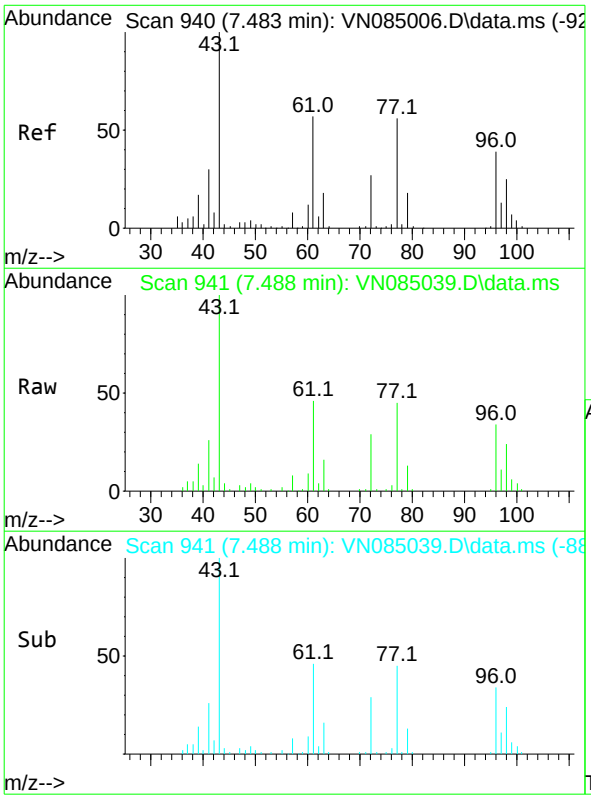
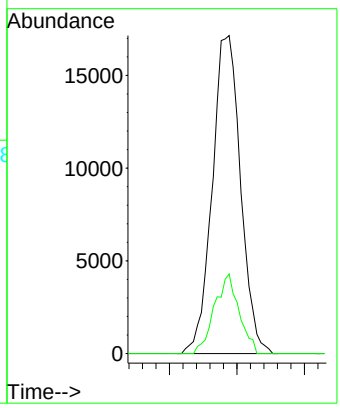
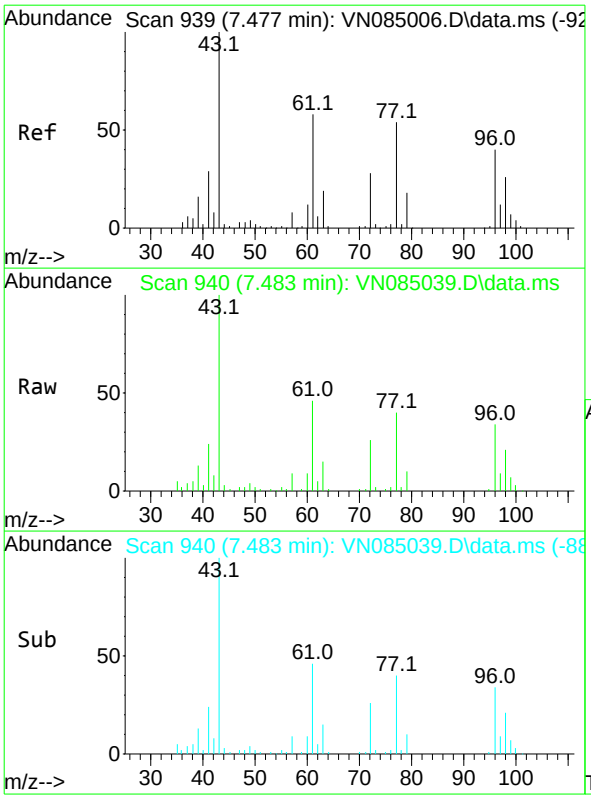


#26
2,2-Dichloropropane
Concen: 17.413 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 77 Resp: 50027

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.9	32.7

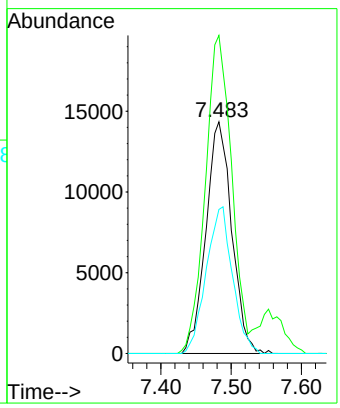




#27
cis-1,2-Dichloroethene
Concen: 19.074 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 96 Resp: 36668

Ion	Ratio	Lower	Upper
96	100		
61	140.9	0.0	291.6
98	64.3	0.0	129.8



Instrument :
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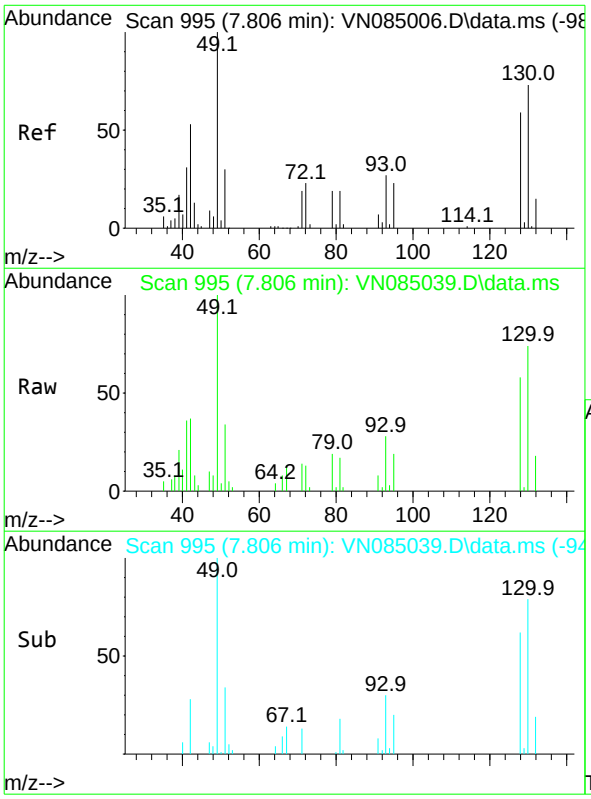
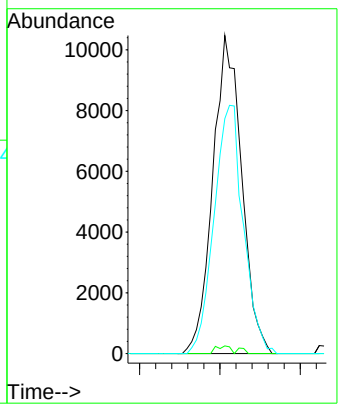
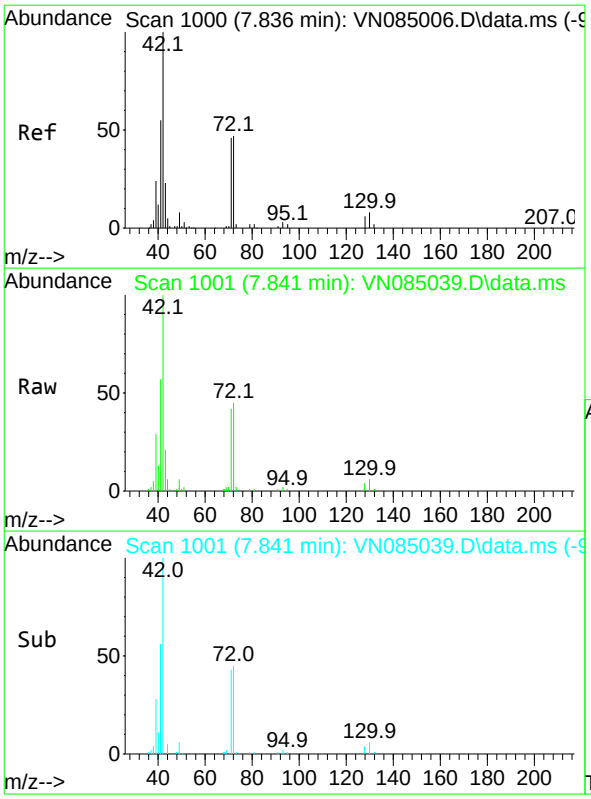


#28
Bromochloromethane
Concen: 22.534 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 49 Resp: 26171

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.0
130	78.9	60.6	90.8

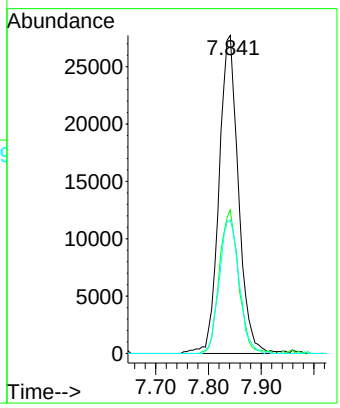




#29
Tetrahydrofuran
Concen: 117.612 ug/l
RT: 7.841 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 42 Resp: 70821

Ion	Ratio	Lower	Upper
42	100		
72	44.6	37.0	55.4
71	43.1	35.0	52.4



Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

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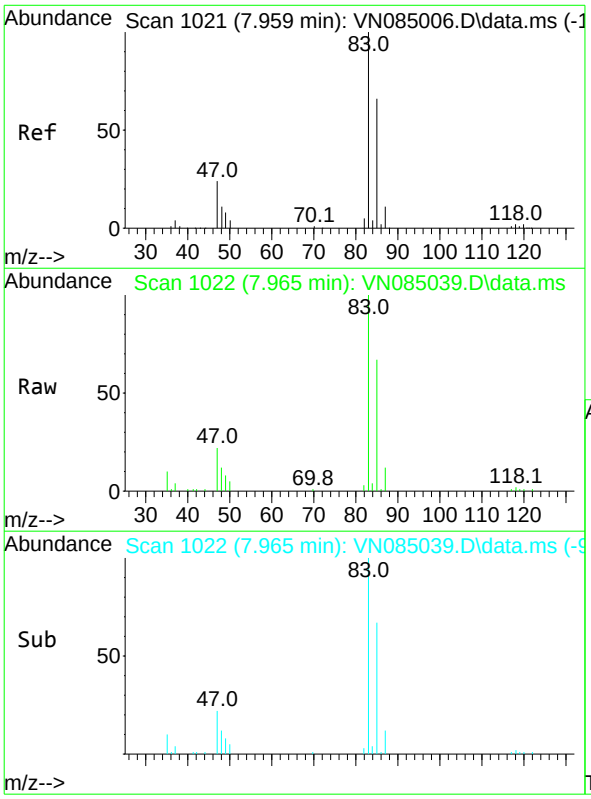
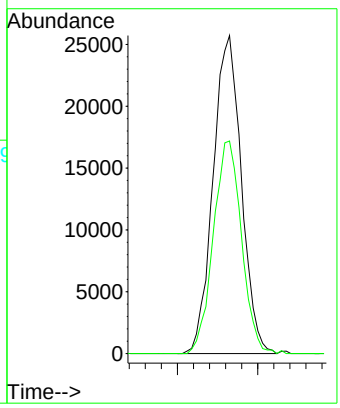
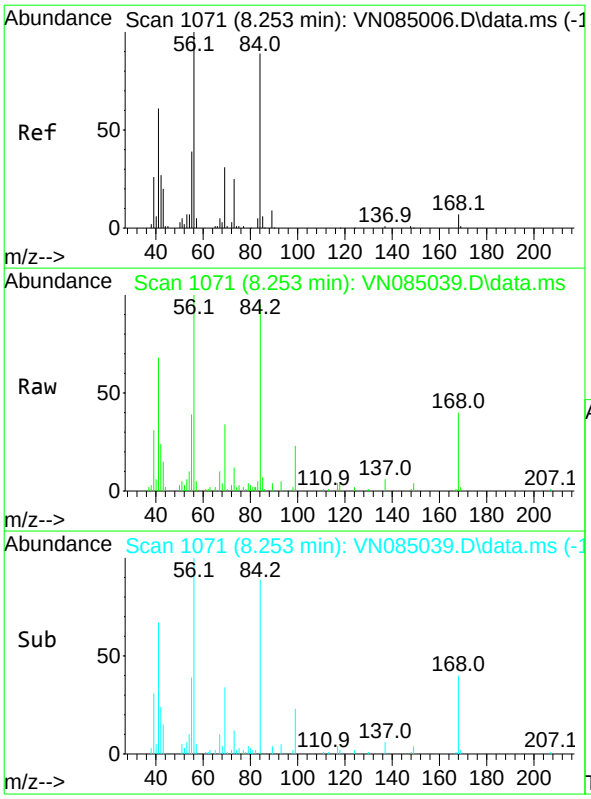


#30
Chloroform
Concen: 19.191 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 83 Resp: 62809

Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.6	78.8

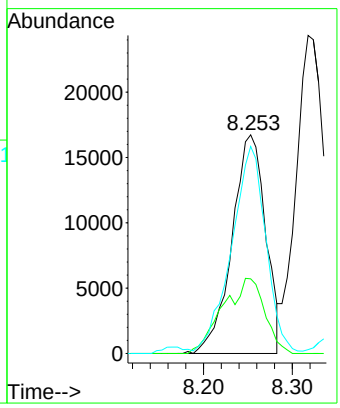




#31
Cyclohexane
Concen: 16.235 ug/l
RT: 8.253 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 56 Resp: 43980

Ion	Ratio	Lower	Upper
56	100		
69	34.1	24.6	36.8
84	91.8	71.4	107.2



Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

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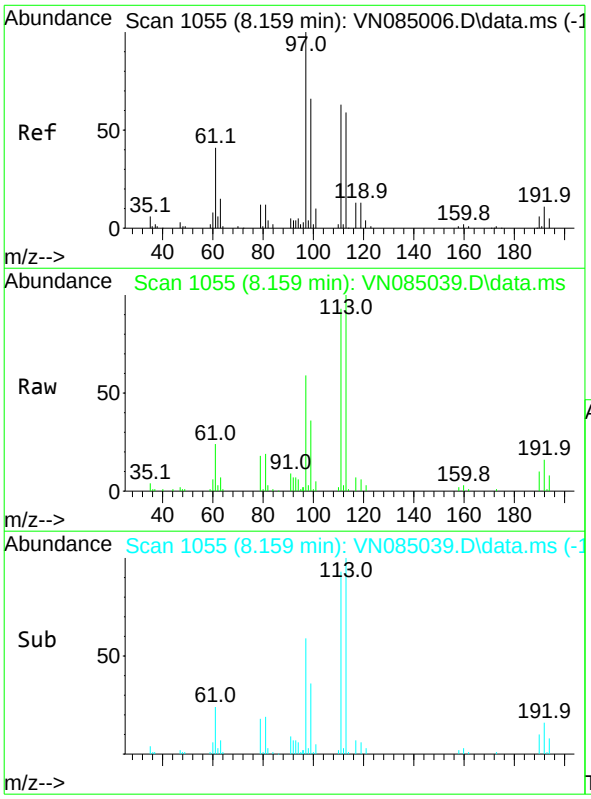
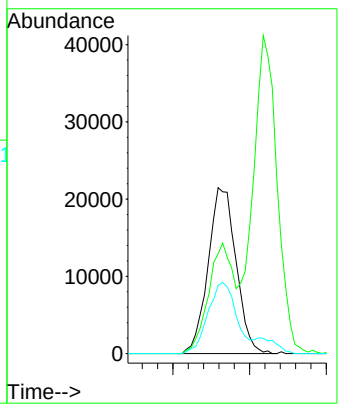
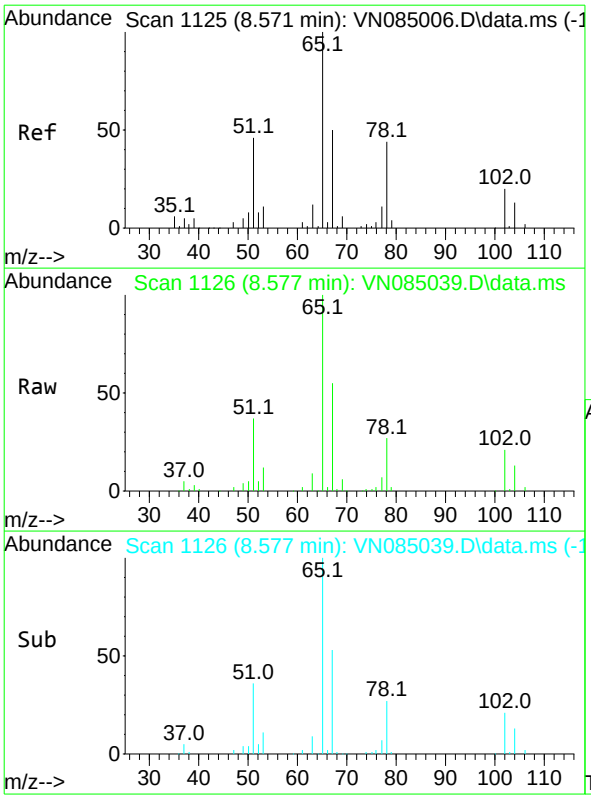


#32
1,1,1-Trichloroethane
Concen: 18.394 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 97 Resp: 54399

Ion	Ratio	Lower	Upper
97	100		
99	58.9	51.0	76.4
61	44.5	36.2	54.2

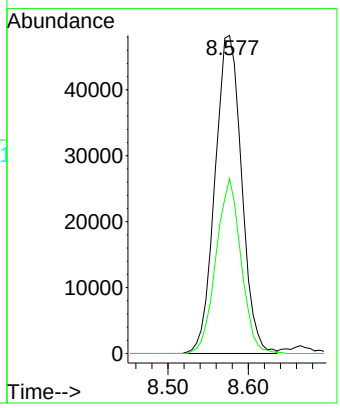




#33
1,2-Dichloroethane-d4
Concen: 54.587 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 65 Resp: 111008

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	105.0



Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

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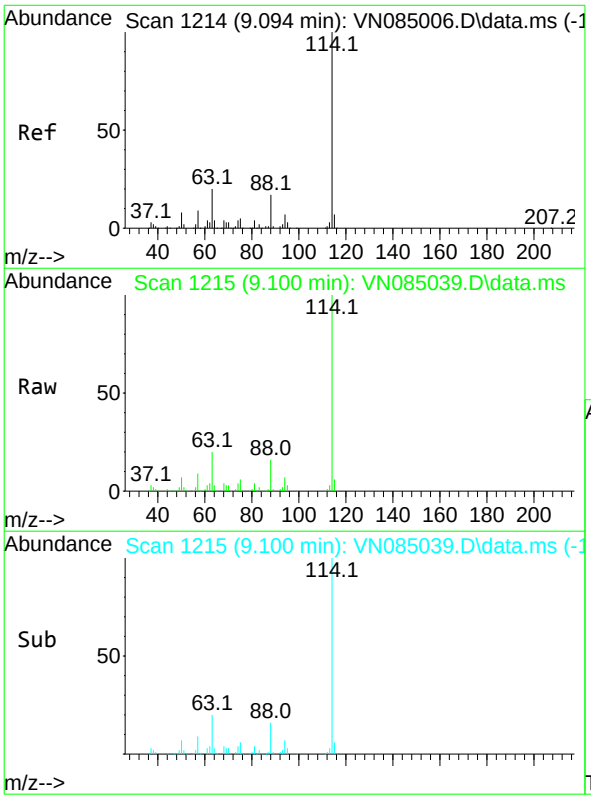
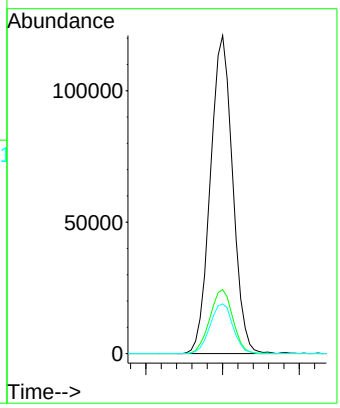
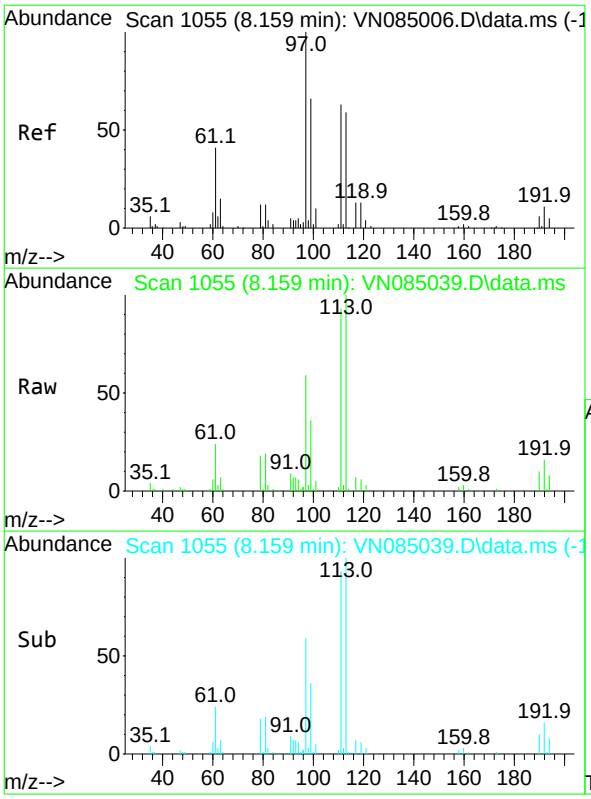


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:114 Resp: 244329

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	41.0
88	15.6	0.0	34.8

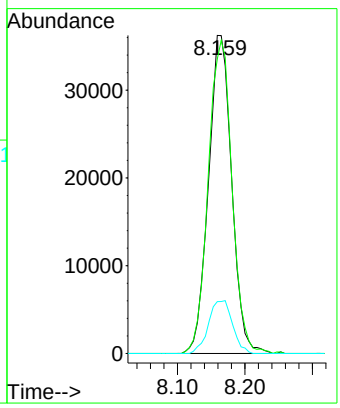




#35
Dibromofluoromethane
Concen: 52.620 ug/l
RT: 8.159 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:113 Resp: 86701

Ion	Ratio	Lower	Upper
113	100		
111	100.9	82.0	123.0
192	17.2	14.8	22.2



Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

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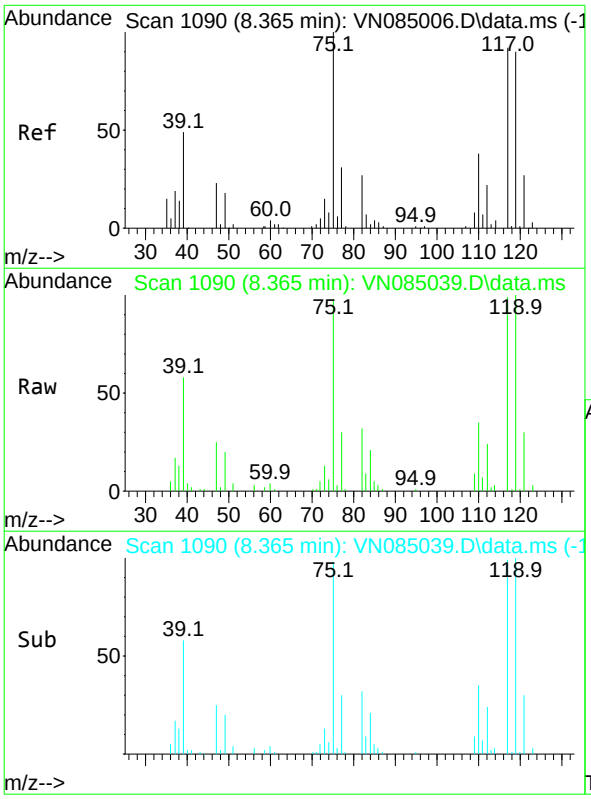
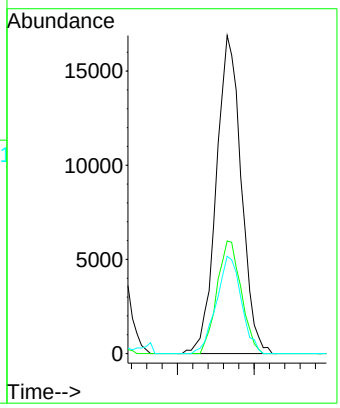
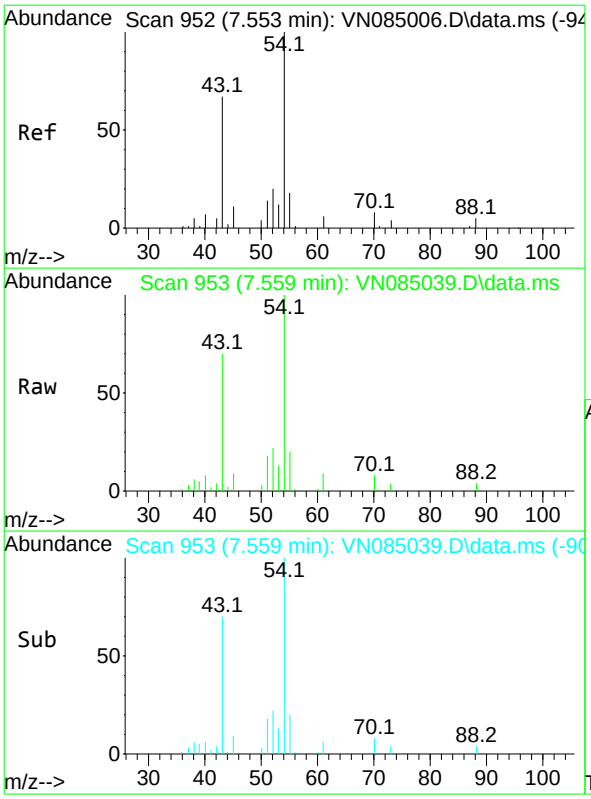


#36
1,1-Dichloropropene
Concen: 17.104 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 75 Resp: 38171

Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.2	51.6
77	30.5	24.2	36.4

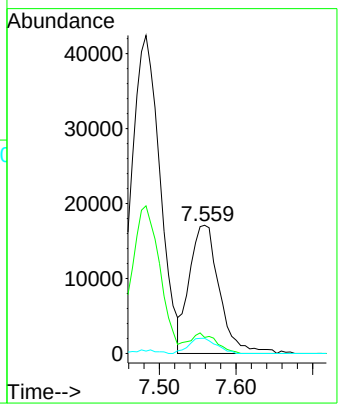




#37
Ethyl Acetate
Concen: 22.919 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 43 Resp: 46501

Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.7	17.5
70	10.9	9.3	13.9



Instrument :
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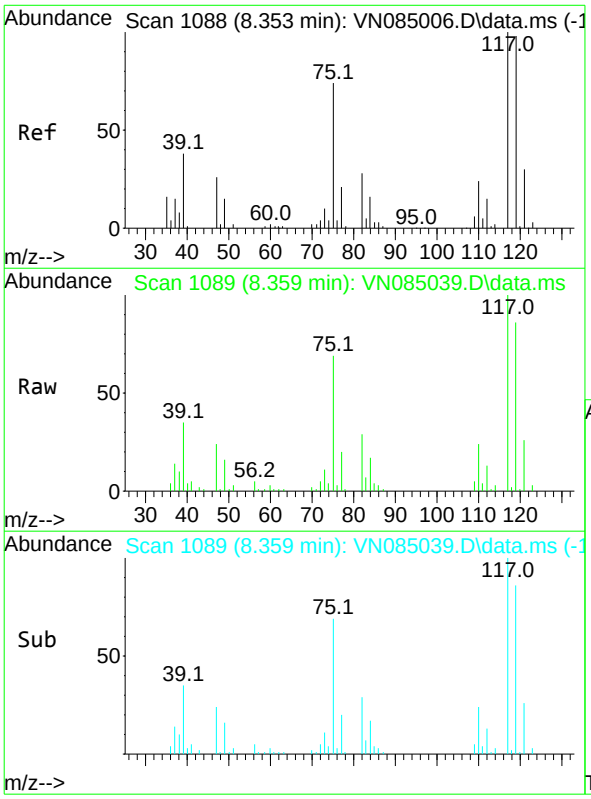
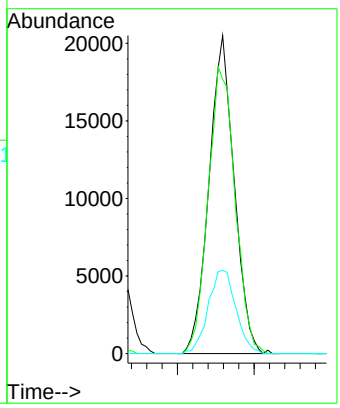
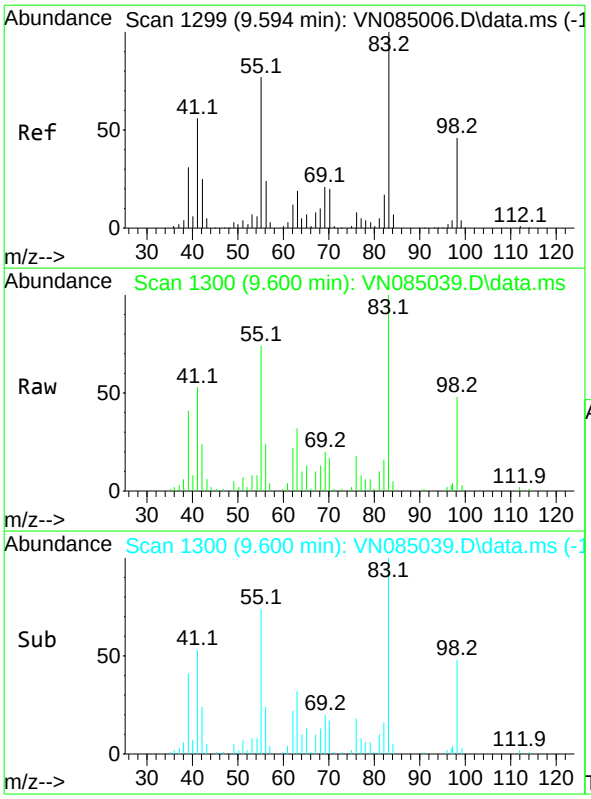


#38
Carbon Tetrachloride
Concen: 18.172 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:117 Resp: 46812

Ion	Ratio	Lower	Upper
117	100		
119	86.2	78.6	117.8
121	26.2	24.2	36.2

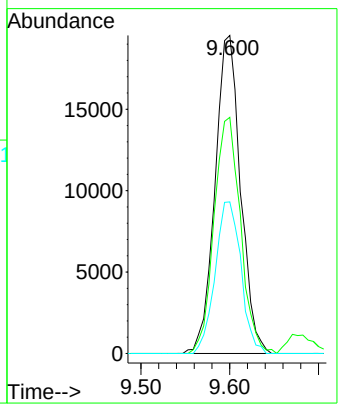




#39
Methylcyclohexane
Concen: 16.856 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 83 Resp: 39091

Ion	Ratio	Lower	Upper
83	100		
55	74.2	61.8	92.6
98	47.7	37.0	55.6



Instrument :
MSVOA_N
ClientSampleId :
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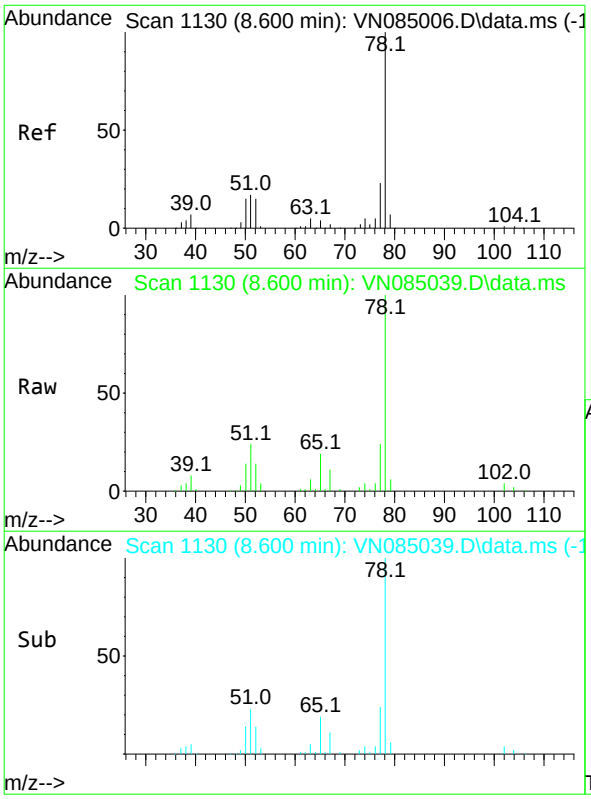
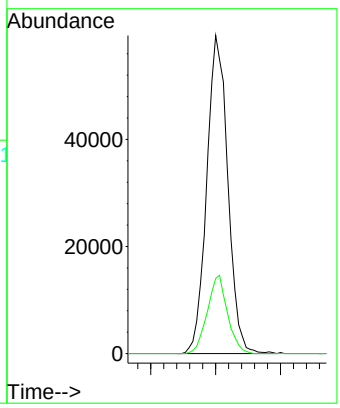
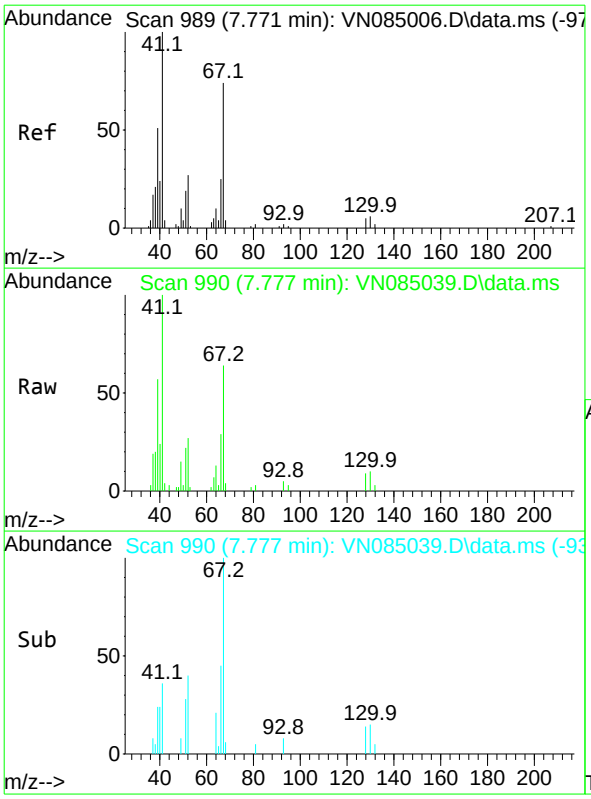


#40
Benzene
Concen: 18.983 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 78 Resp: 133991

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.5	27.7

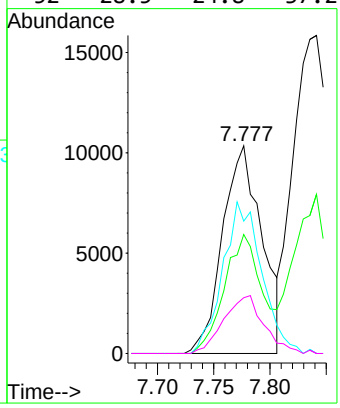




#41
Methacrylonitrile
Concen: 22.403 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 41 Resp: 25167

Ion	Ratio	Lower	Upper
41	100		
39	55.3	42.6	63.8
67	72.3	59.9	89.9
52	28.5	24.8	37.2



Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

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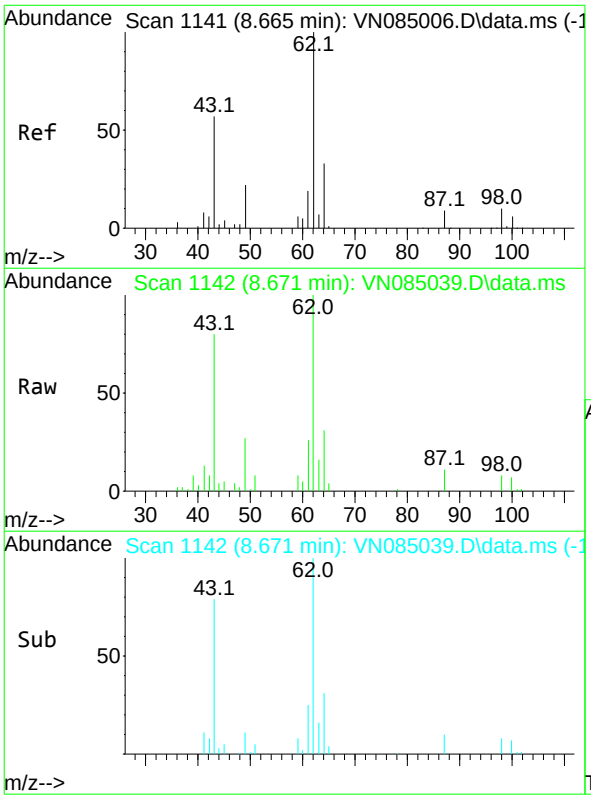
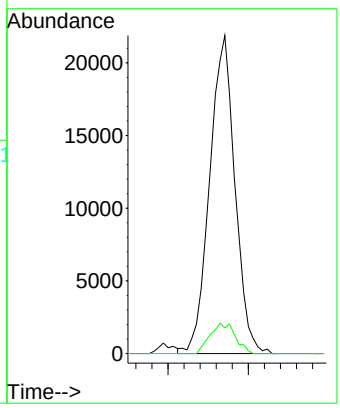
Reviewed By :John Carlone 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

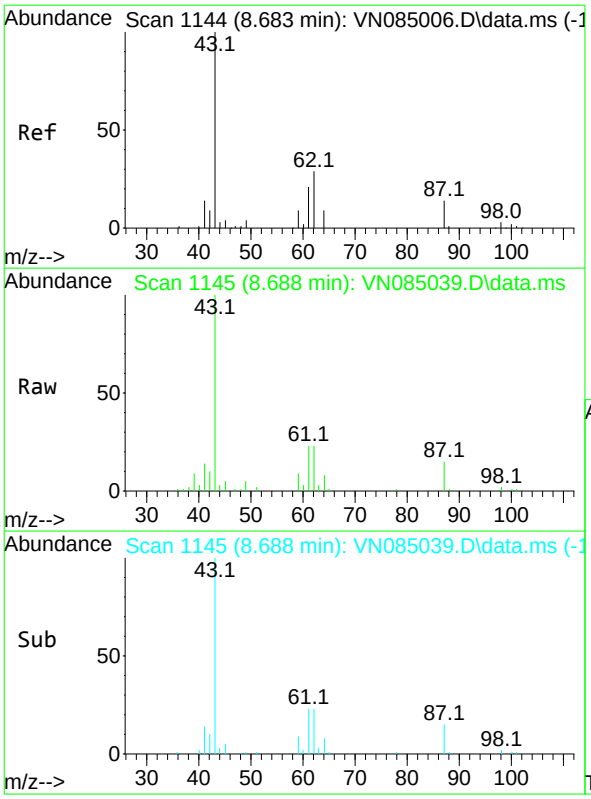


#42
1,2-Dichloroethane
Concen: 19.842 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 62 Resp: 47916

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.2

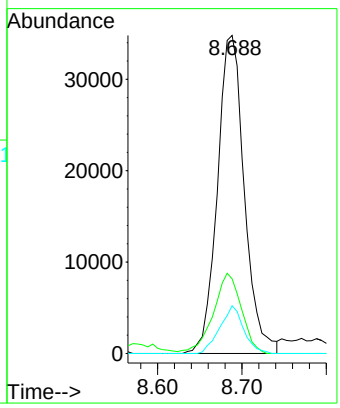




#43
Isopropyl Acetate
Concen: 18.338 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 43 Resp: 77282

Ion	Ratio	Lower	Upper
43	100		
61	26.3	20.6	30.8
87	13.2	11.0	16.4



Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

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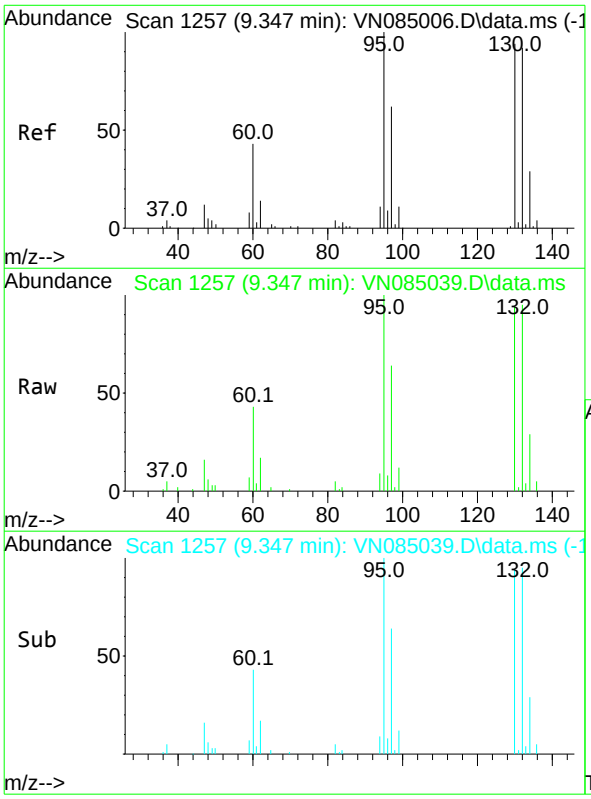
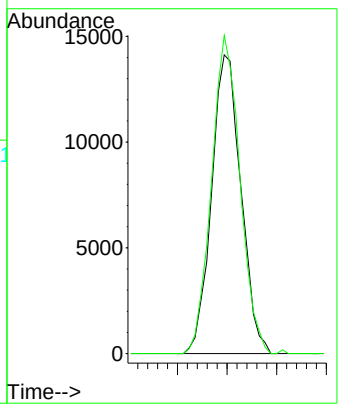
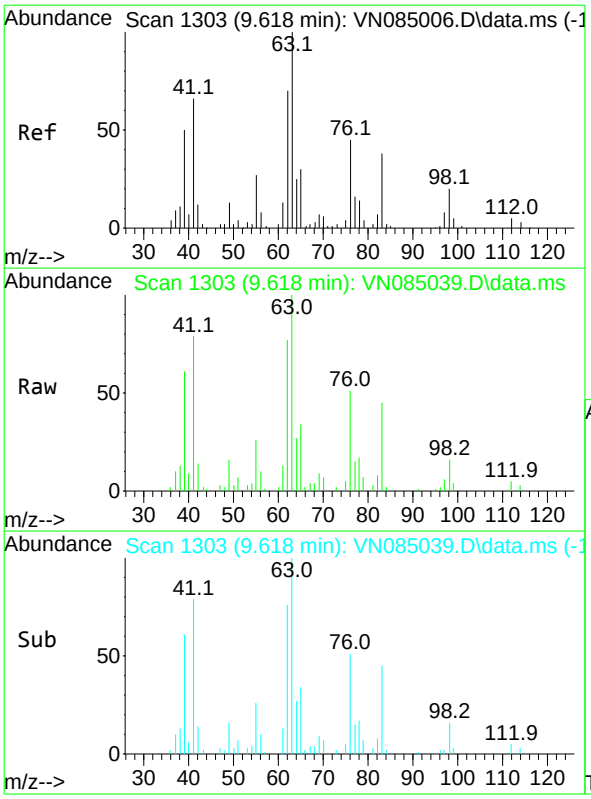


#44
Trichloroethene
Concen: 17.670 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:130 Resp: 28985

Ion	Ratio	Lower	Upper
130	100		
95	106.5	0.0	213.4

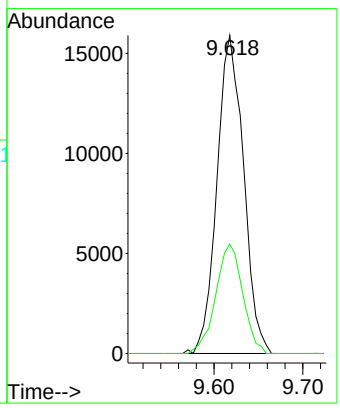




#45
1,2-Dichloropropane
Concen: 19.004 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 63 Resp: 33039

Ion	Ratio	Lower	Upper
63	100		
65	34.4	24.0	36.0



Instrument :
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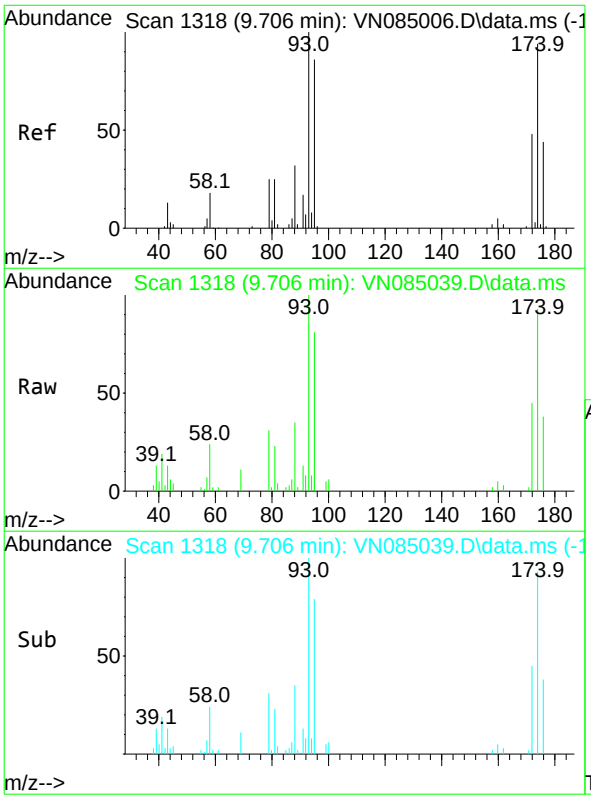
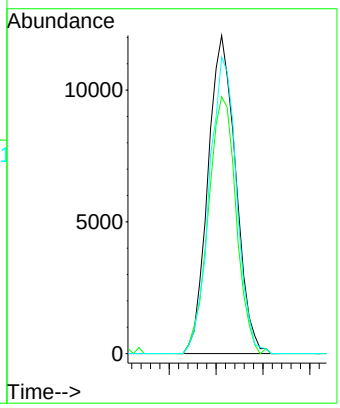
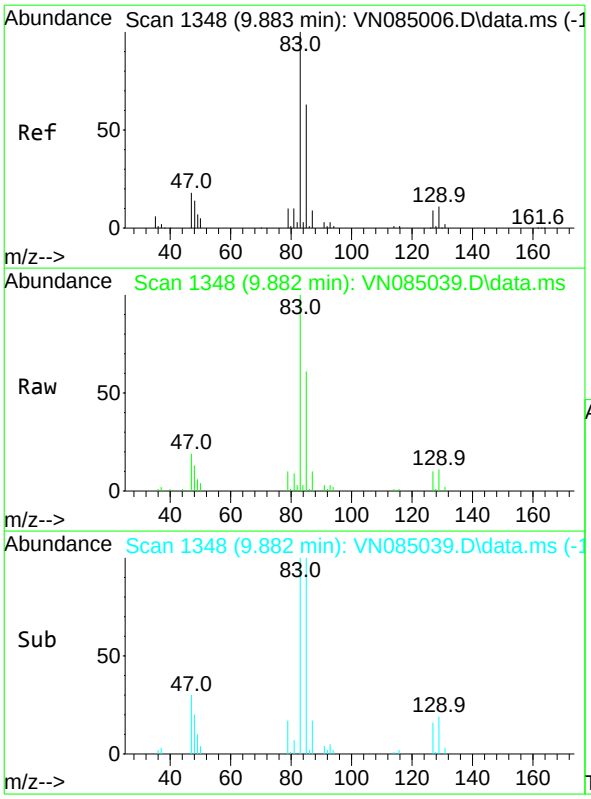


#46
Dibromomethane
Concen: 20.548 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 93 Resp: 24823

Ion	Ratio	Lower	Upper
93	100		
95	80.8	66.2	99.4
174	91.1	74.9	112.3

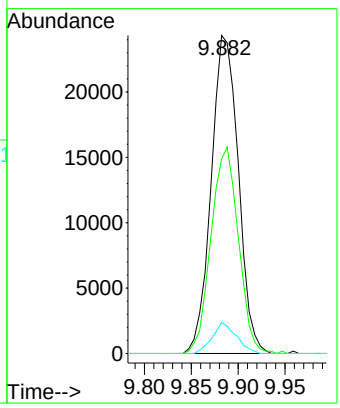




#47
Bromodichloromethane
Concen: 19.121 ug/l
RT: 9.882 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 83 Resp: 48958

Ion	Ratio	Lower	Upper
83	100		
85	61.2	50.5	75.7
127	9.8	7.1	10.7



Instrument :
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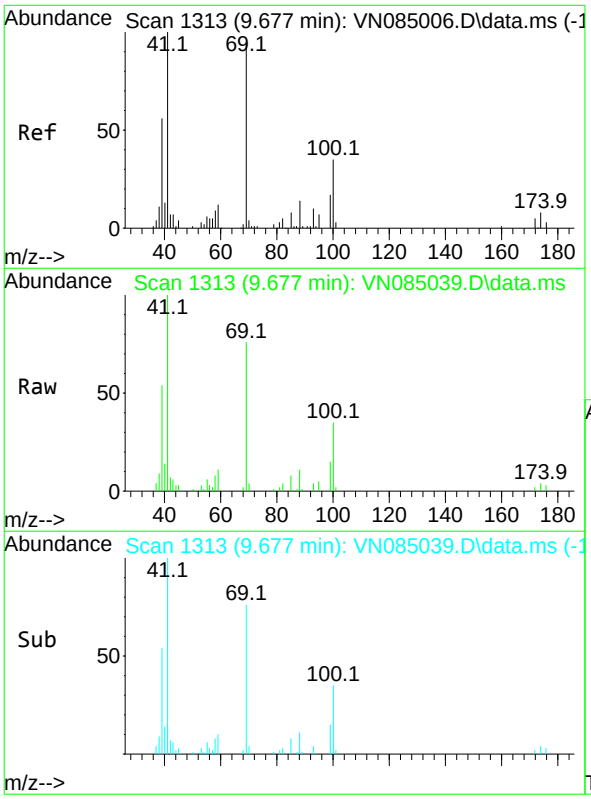
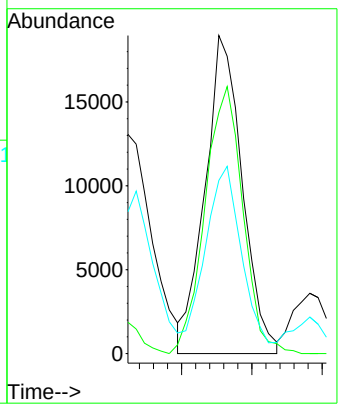
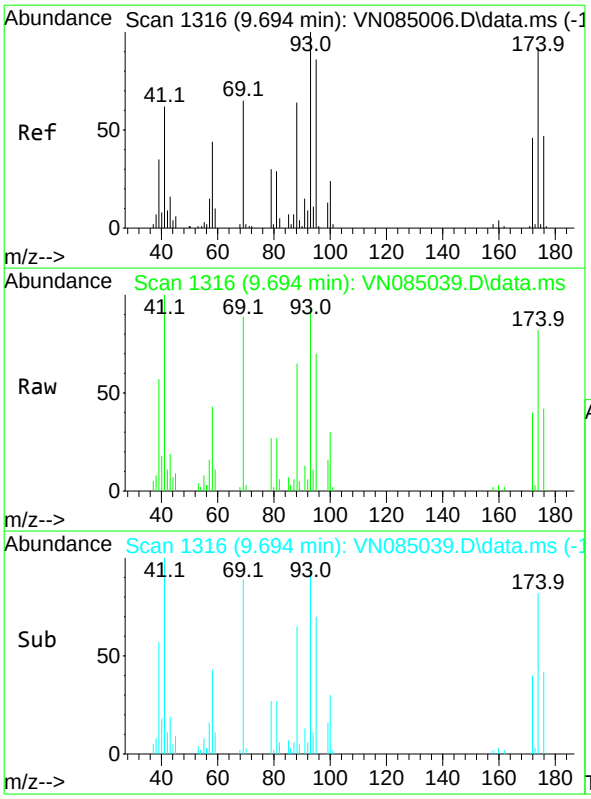


#48
Methyl methacrylate
Concen: 22.214 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 41 Resp: 34837

Ion	Ratio	Lower	Upper
41	100		
69	85.6	73.2	109.8
39	58.7	46.2	69.4





#49
1,4-Dioxane
Concen: 470.352 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 88 Resp: 12792

Ion	Ratio	Lower	Upper
88	100		
43	0.0	16.7	25.1#
58	69.2	56.5	84.7

Instrument :
MSVOA_N
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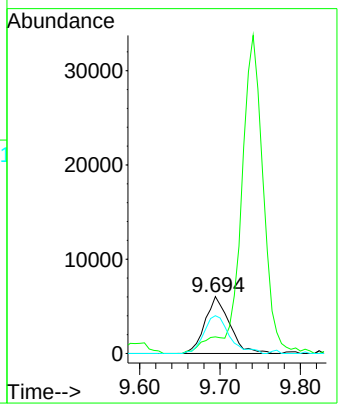
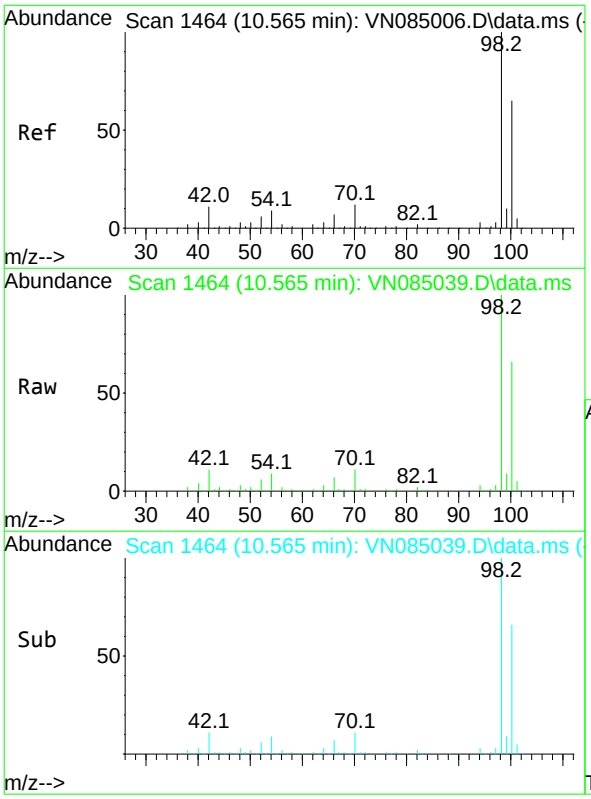
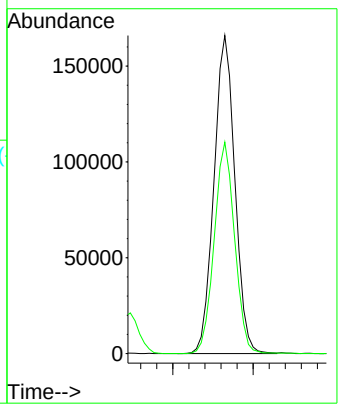


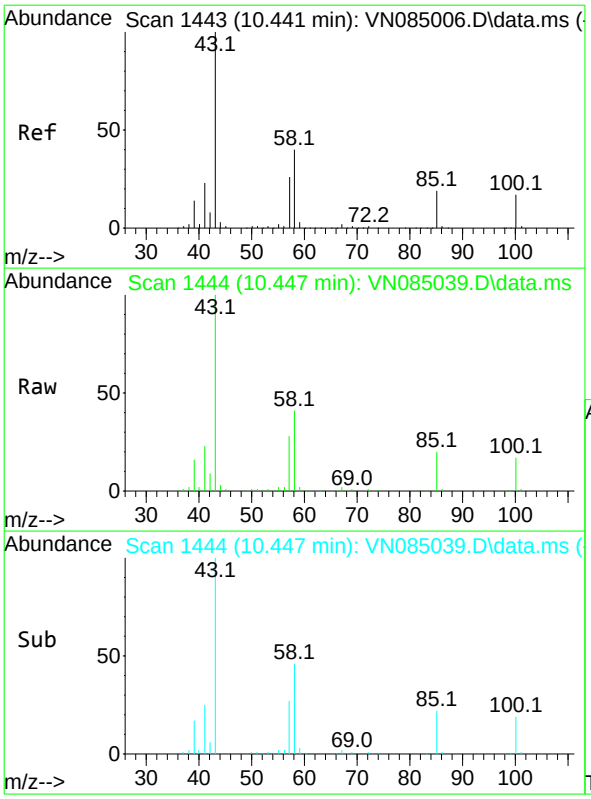


#50
Toluene-d8
Concen: 50.791 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 98 Resp: 299913

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.5	78.7

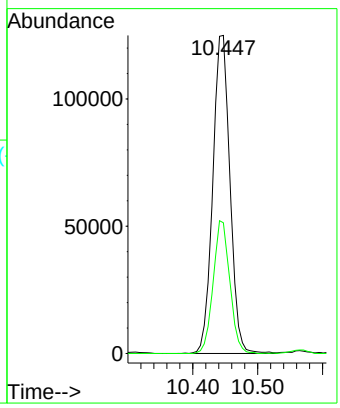




#51
4-Methyl-2-Pentanone
Concen: 119.536 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 43 Resp: 230100

Ion	Ratio	Lower	Upper
43	100		
58	40.4	32.1	48.1



Instrument :
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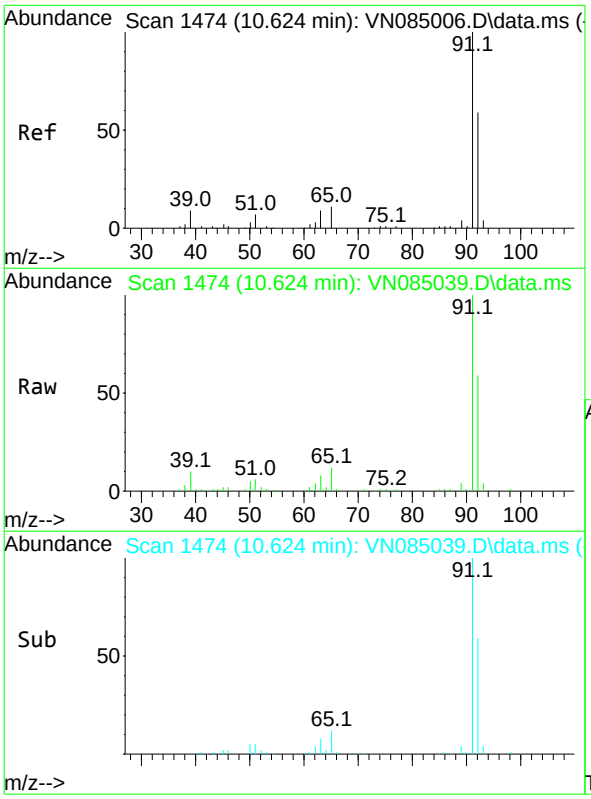
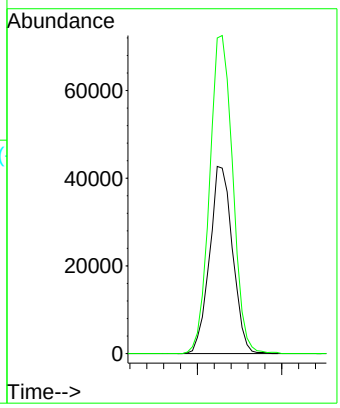
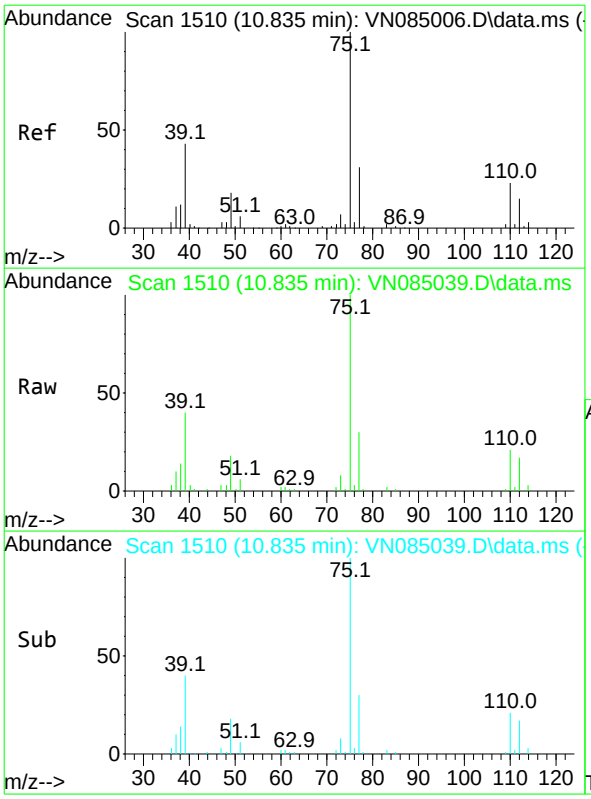


#52
Toluene
Concen: 19.323 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 92 Resp: 80747

Ion	Ratio	Lower	Upper
92	100		
91	171.2	136.7	205.1

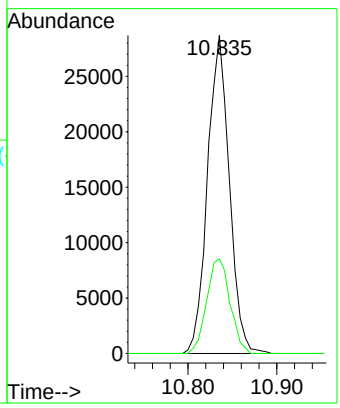




#53
t-1,3-Dichloropropene
Concen: 19.072 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 75 Resp: 48956

Ion	Ratio	Lower	Upper
75	100		
77	29.7	25.0	37.4



Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

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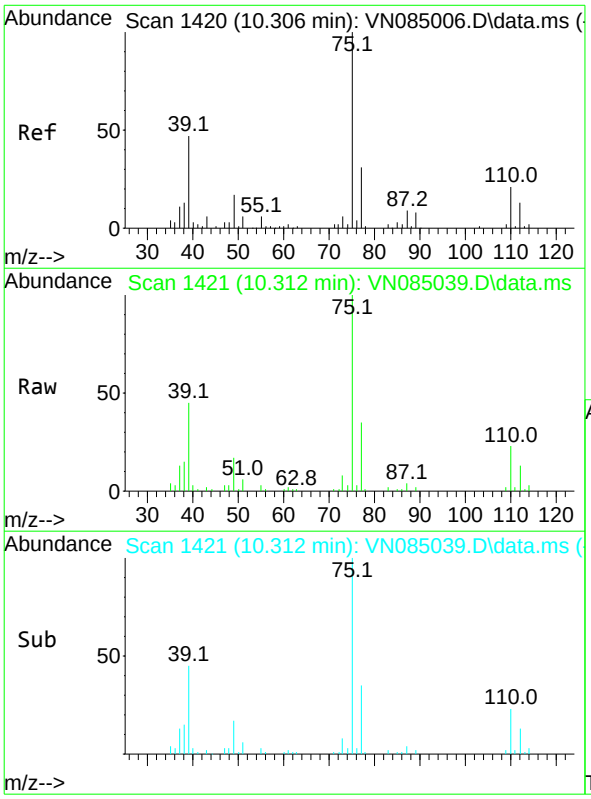
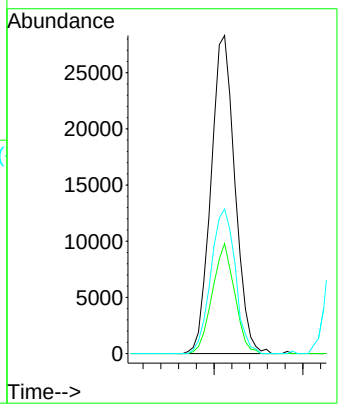
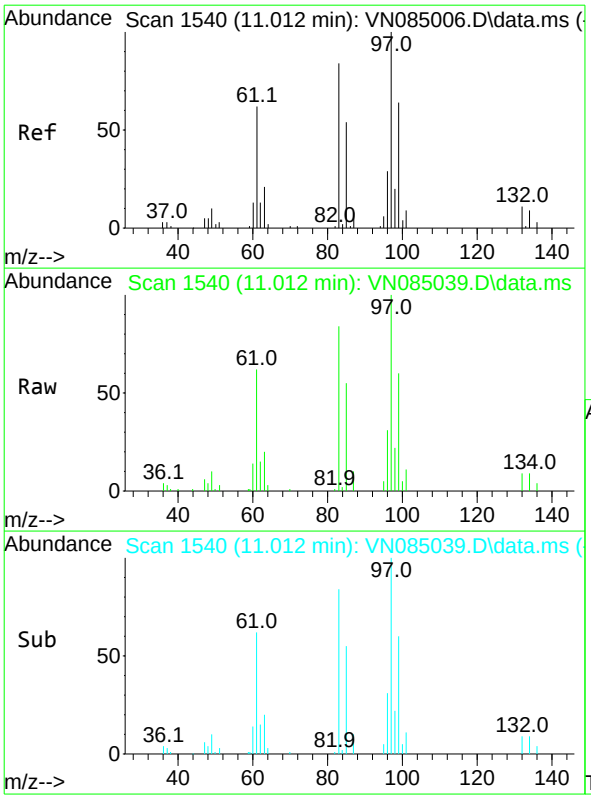


#54
cis-1,3-Dichloropropene
Concen: 19.508 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 75 Resp: 53126

Ion	Ratio	Lower	Upper
75	100		
77	34.6	25.0	37.4
39	45.5	37.6	56.4

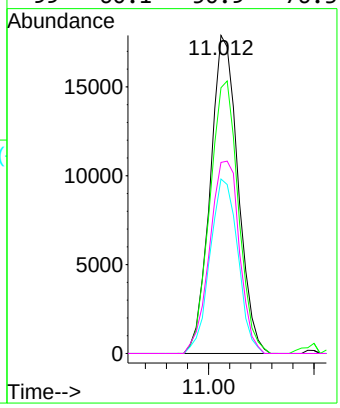




#55
1,1,2-Trichloroethane
Concen: 21.101 ug/l
RT: 11.012 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 97 Resp: 32843

Ion	Ratio	Lower	Upper
97	100		
83	83.5	67.4	101.2
85	54.9	43.1	64.7
99	60.1	50.9	76.3



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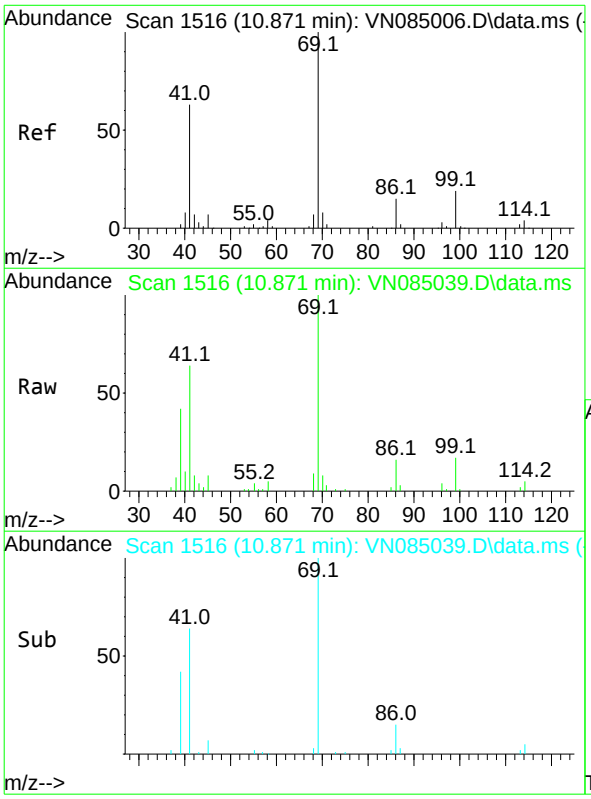
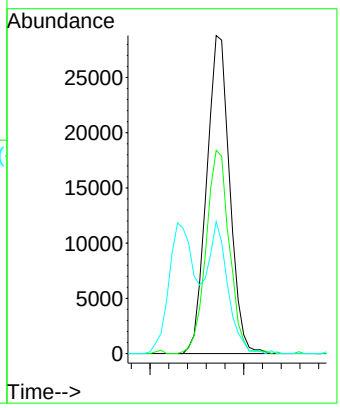
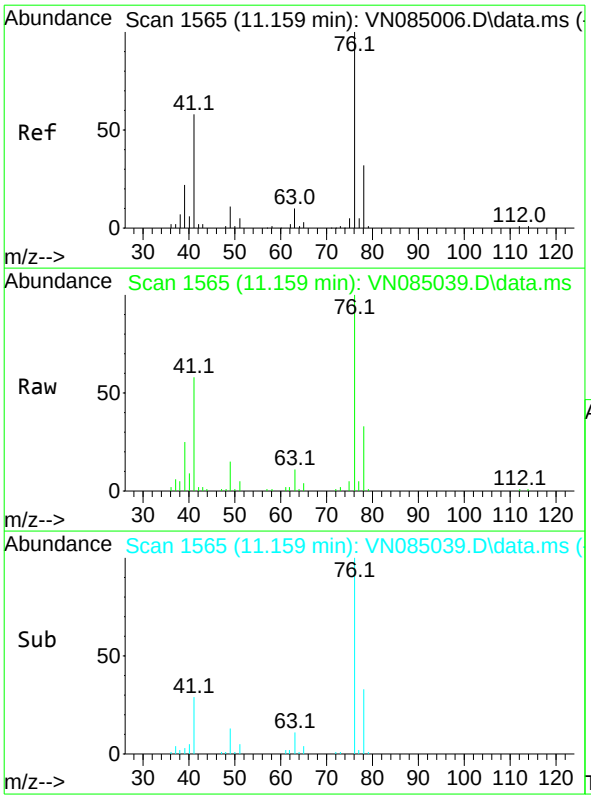


#56
Ethyl methacrylate
Concen: 21.656 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 69 Resp: 49255

Ion	Ratio	Lower	Upper
69	100		
41	64.6	50.0	75.0
39	36.7	27.0	40.6

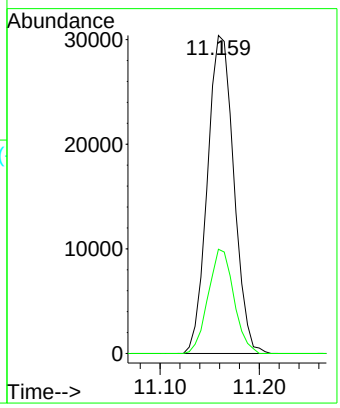




#57
1,3-Dichloropropane
Concen: 20.506 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 76 Resp: 56174

Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.1	39.1



Instrument :
MSVOA_N
ClientSampleId :
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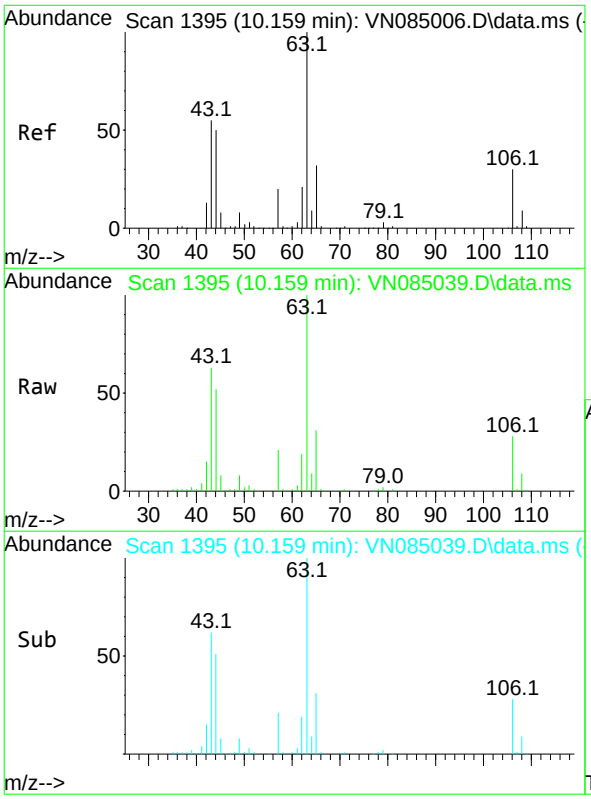
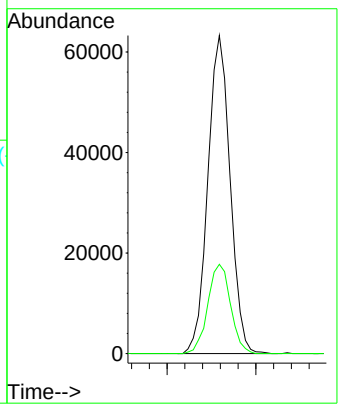
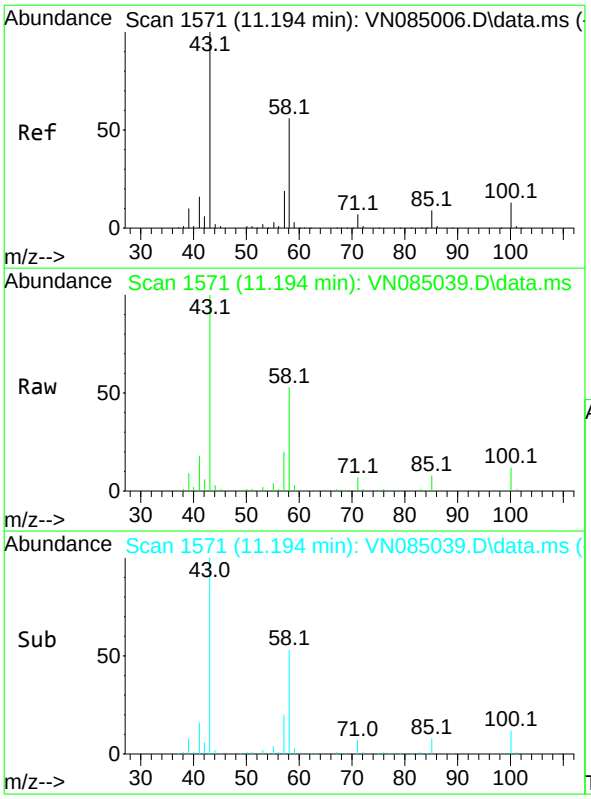


#58
2-Chloroethyl Vinyl ether
Concen: 98.790 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 63 Resp: 110215

Ion	Ratio	Lower	Upper
63	100		
106	28.7	23.0	34.6

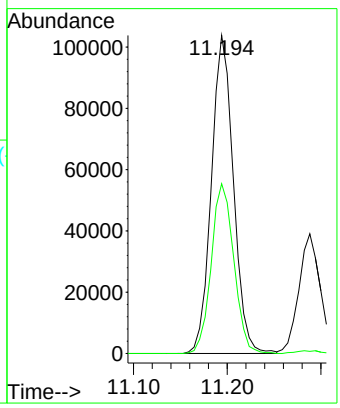




#59
2-Hexanone
Concen: 117.736 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 43 Resp: 169501

Ion	Ratio	Lower	Upper
43	100		
58	54.6	28.3	85.0



Instrument :
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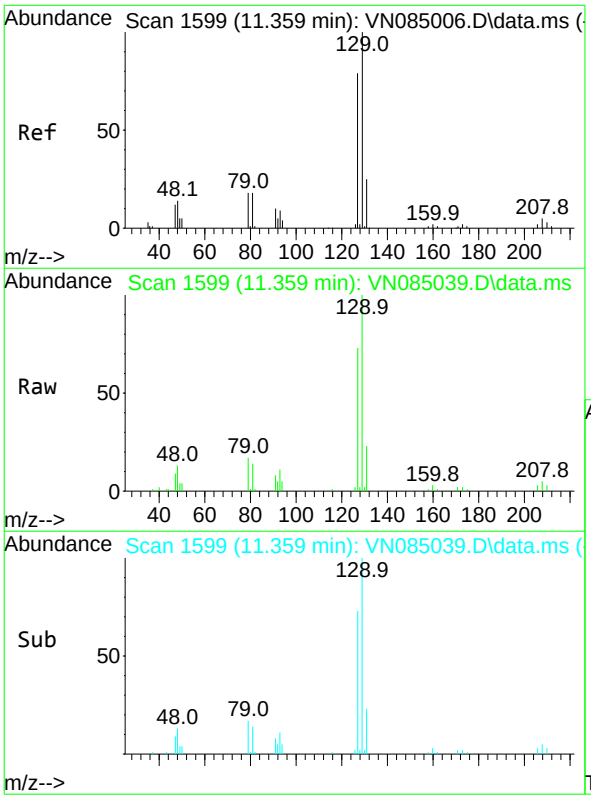
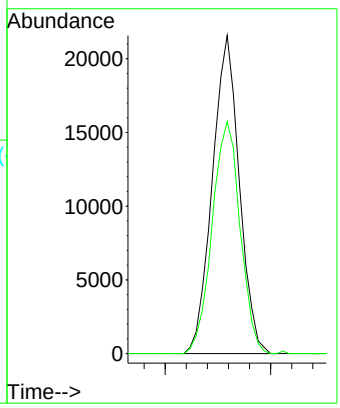
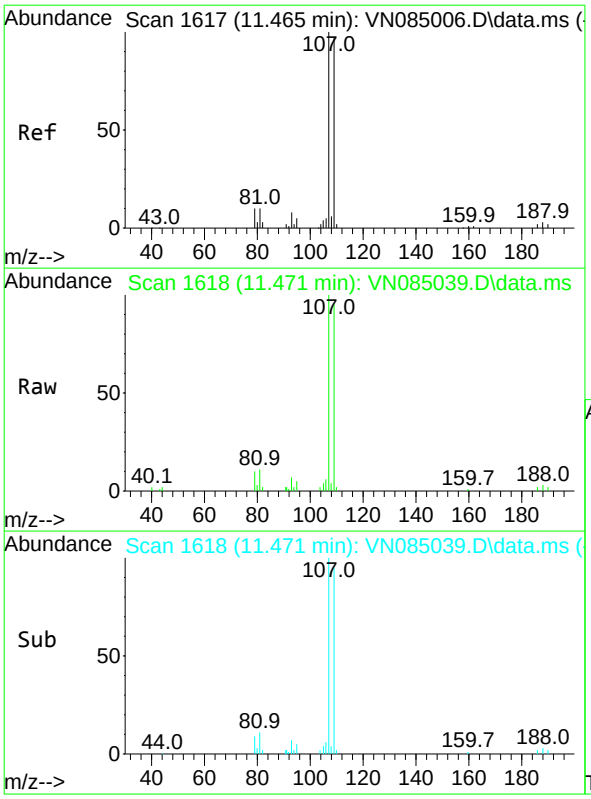


#60
Dibromochloromethane
Concen: 20.137 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:129 Resp: 38306

Ion	Ratio	Lower	Upper
129	100		
127	75.5	39.2	117.6

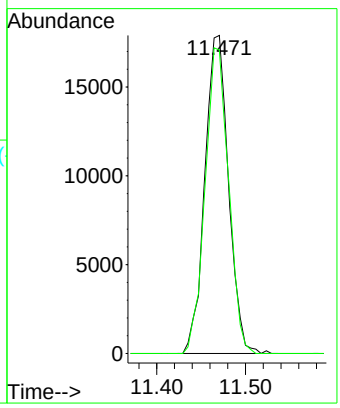




#61
1,2-Dibromoethane
Concen: 20.615 ug/l
RT: 11.471 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:107 Resp: 33207

Ion	Ratio	Lower	Upper
107	100		
109	95.4	76.1	114.1



Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

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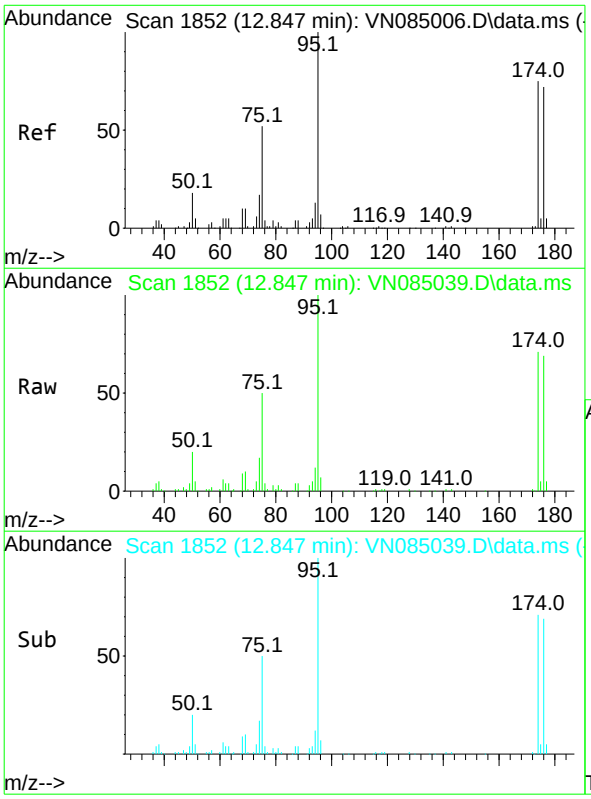
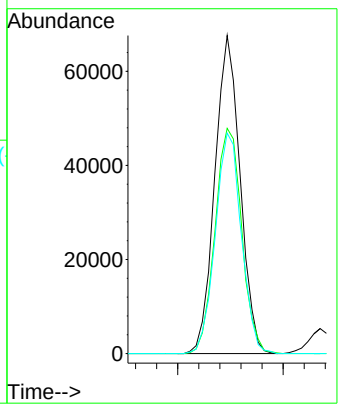
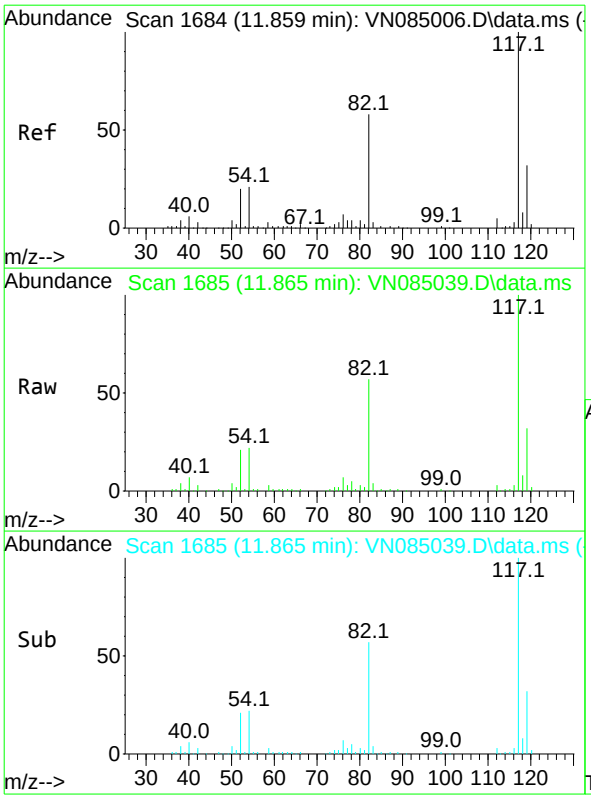


#62
4-Bromofluorobenzene
Concen: 50.996 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 95 Resp: 112610

Ion	Ratio	Lower	Upper
95	100		
174	74.9	0.0	146.6
176	71.4	0.0	141.8

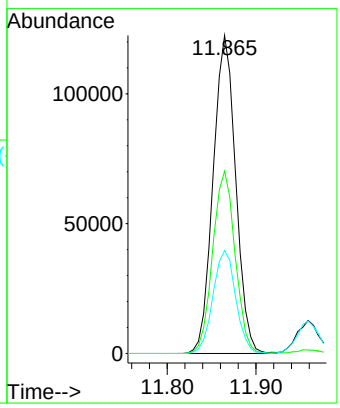




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:117 Resp: 216462

Ion	Ratio	Lower	Upper
117	100		
82	57.3	46.0	69.0
119	32.3	25.6	38.4



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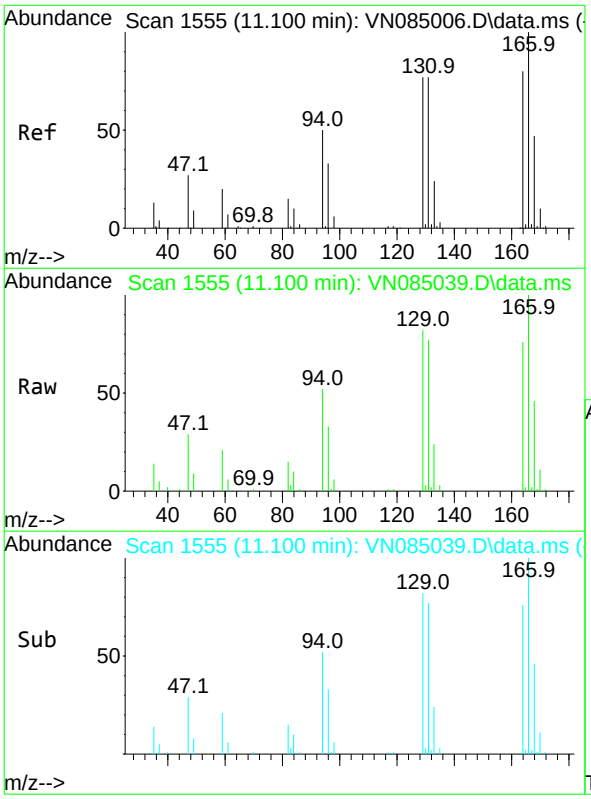
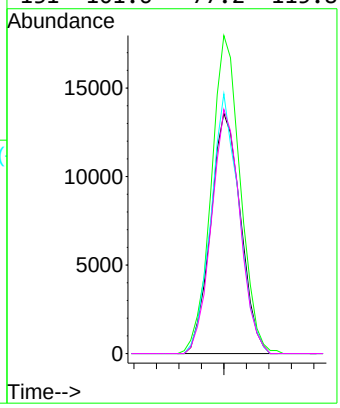
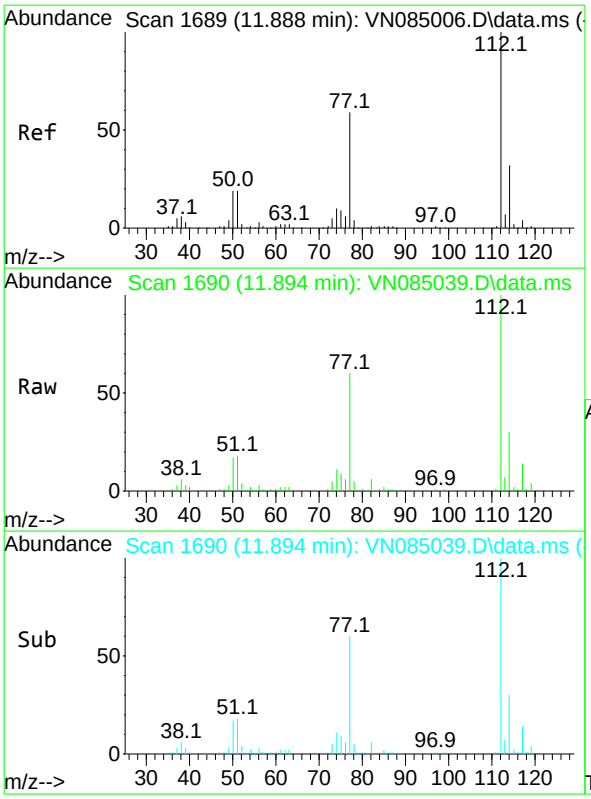


#64
Tetrachloroethene
Concen: 17.171 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:164 Resp: 25046

Ion	Ratio	Lower	Upper
164	100		
166	132.4	100.6	151.0
129	108.1	77.7	116.5
131	101.6	77.2	115.8

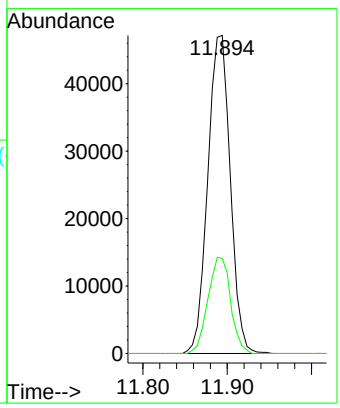




#65
Chlorobenzene
Concen: 17.805 ug/l
RT: 11.894 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:112 Resp: 87409

Ion	Ratio	Lower	Upper
112	100		
114	29.9	25.8	38.6



Instrument :
MSVOA_N
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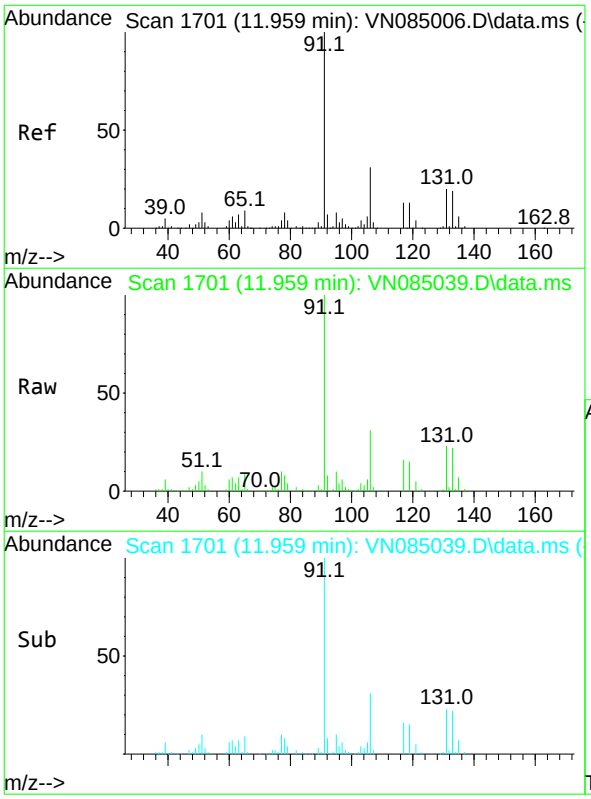
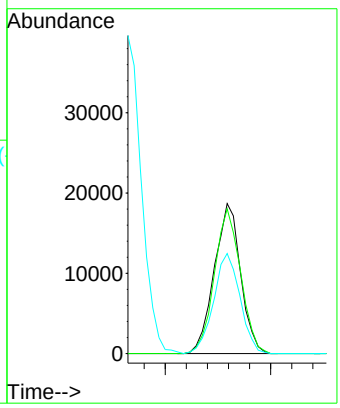
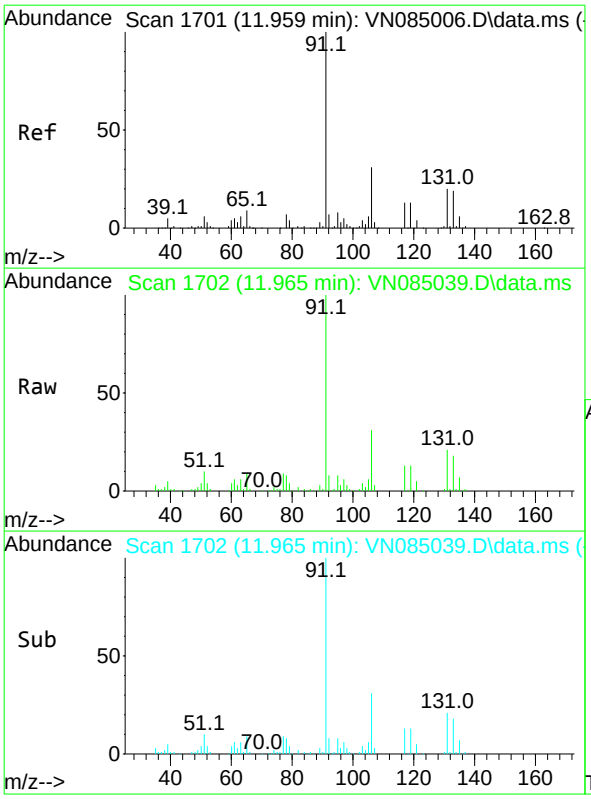


#66
1,1,1,2-Tetrachloroethane
Concen: 18.746 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:131 Resp: 32401

Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.8	143.4
119	66.8	32.1	96.3

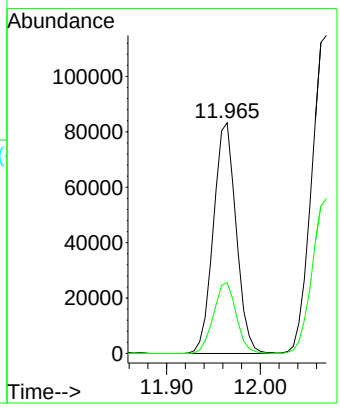




#67
Ethyl Benzene
Concen: 17.641 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 91 Resp: 140498

Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.7	37.1



Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

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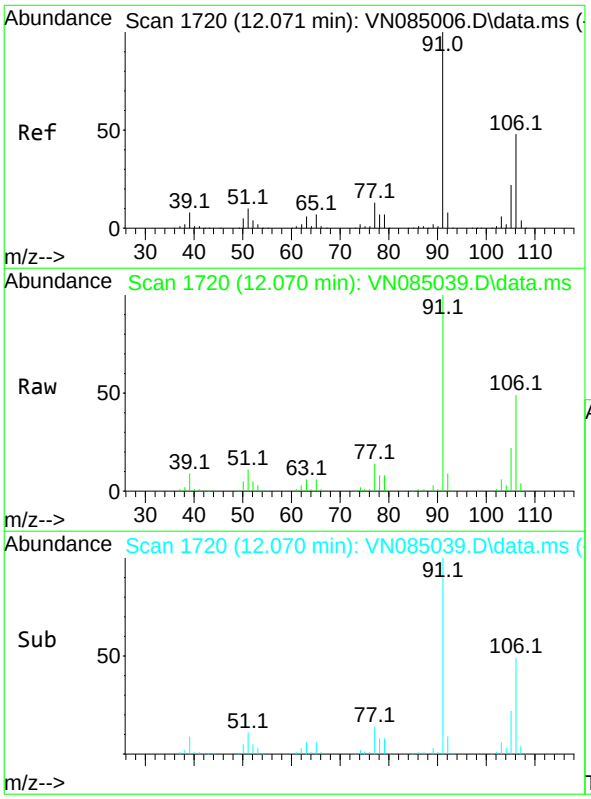
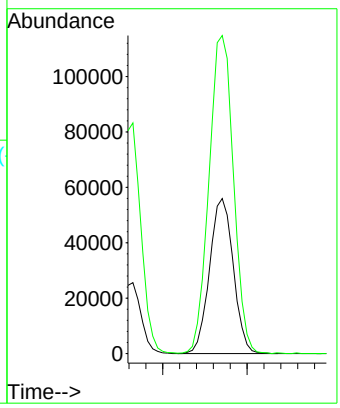
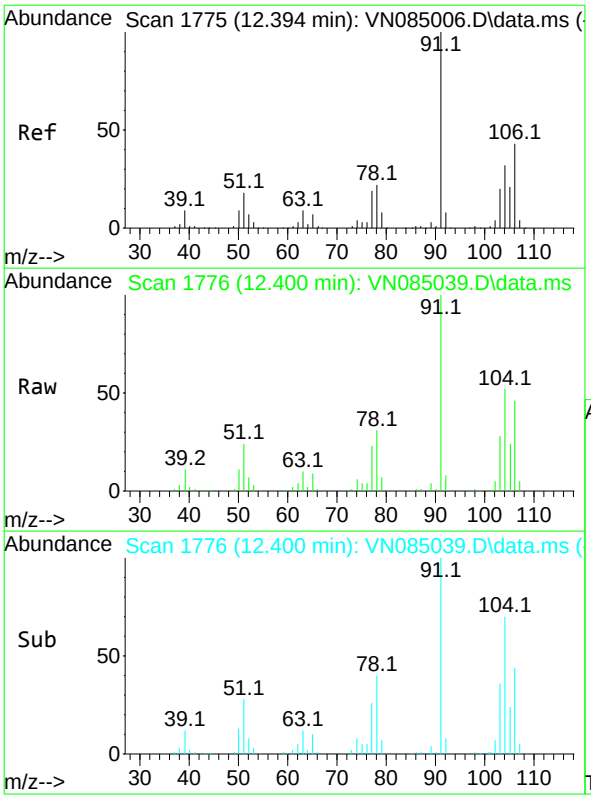


#68
m/p-Xylenes
Concen: 36.083 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:106 Resp: 109412

Ion	Ratio	Lower	Upper
106	100		
91	211.6	168.0	252.0

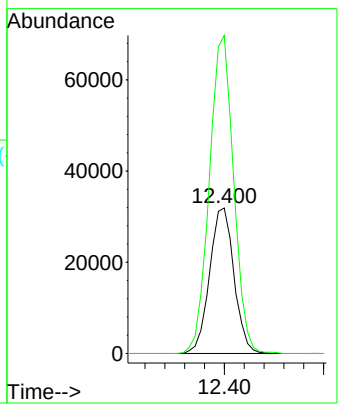




#69
o-Xylene
Concen: 18.896 ug/l
RT: 12.400 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:106 Resp: 54502

Ion	Ratio	Lower	Upper
106	100		
91	218.0	110.7	331.9



Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

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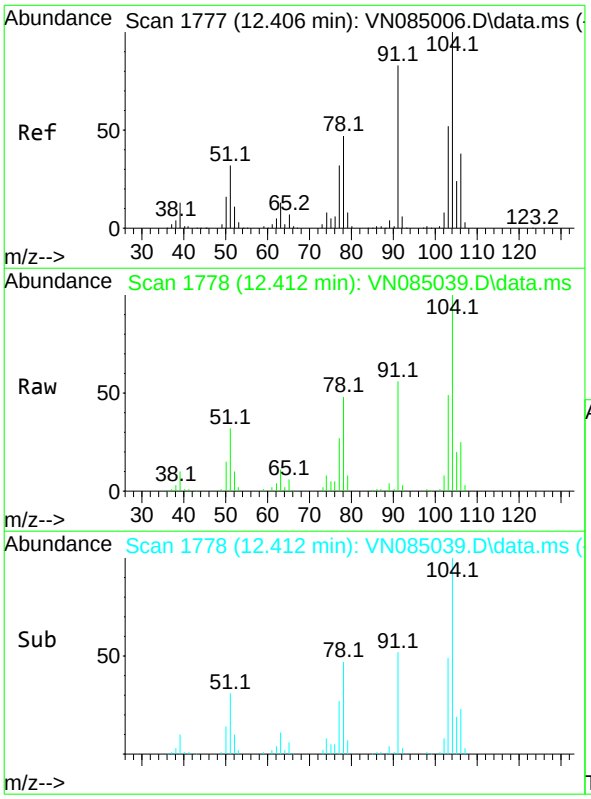
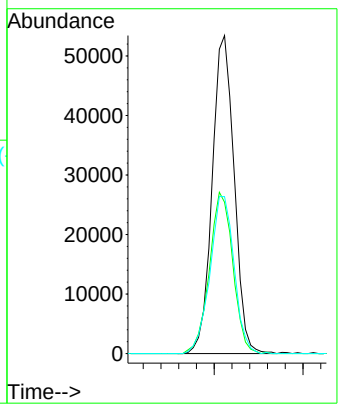
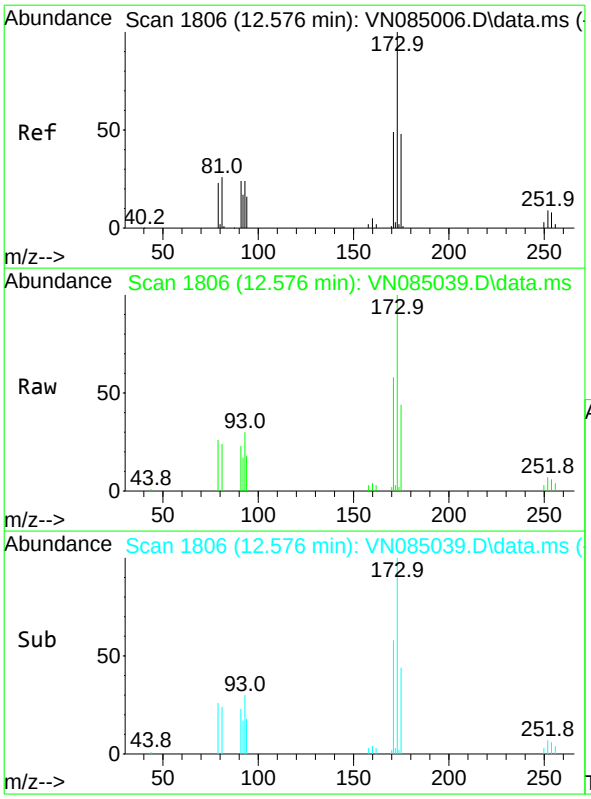


#70
Styrene
Concen: 19.142 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:104 Resp: 91816

Ion	Ratio	Lower	Upper
104	100		
78	54.1	42.3	63.5
103	54.4	44.2	66.2





#71
Bromoform
Concen: 20.893 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:173 Resp: 26805

Ion	Ratio	Lower	Upper
173	100		
175	48.1	23.8	71.2
254	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

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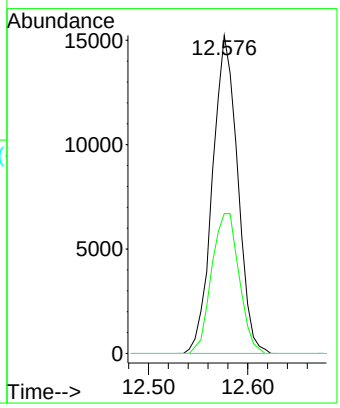
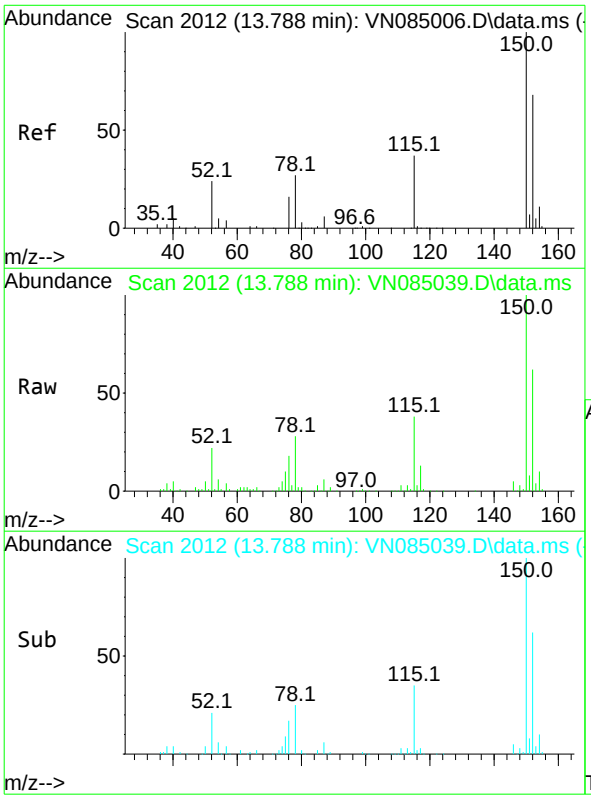
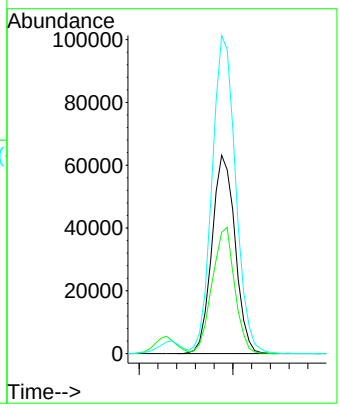


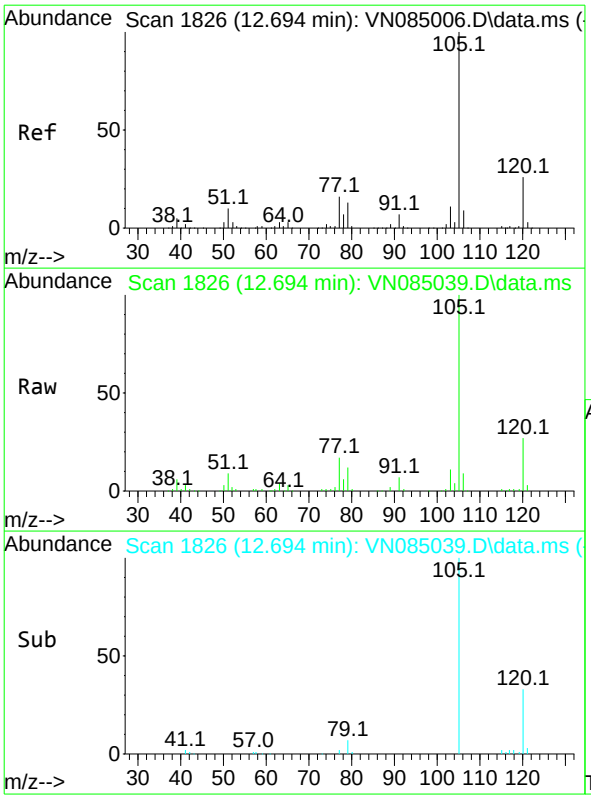


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:152 Resp: 108208

Ion	Ratio	Lower	Upper
152	100		
115	62.0	31.7	95.1
150	163.7	0.0	351.4

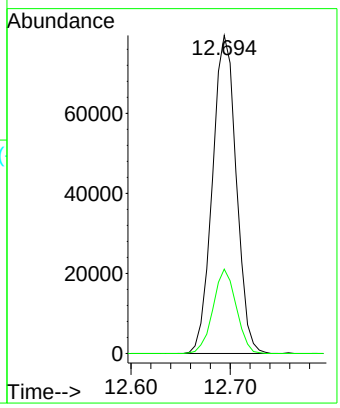




#73
Isopropylbenzene
Concen: 17.391 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:105 Resp: 132755

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.0	39.0



Instrument :
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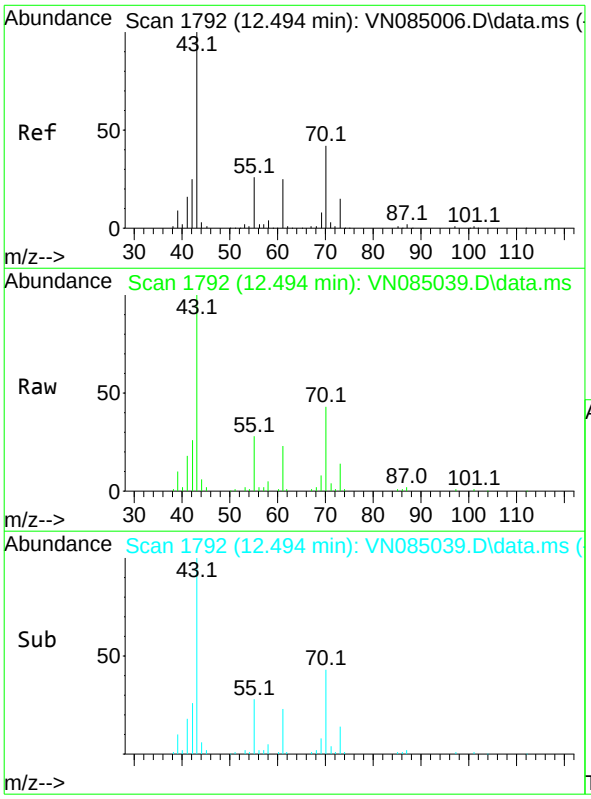
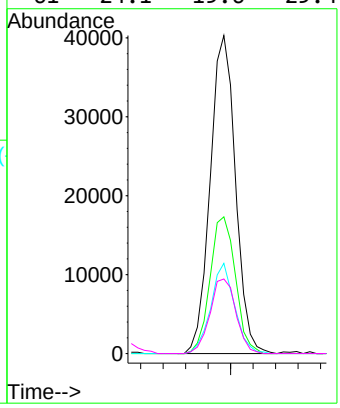
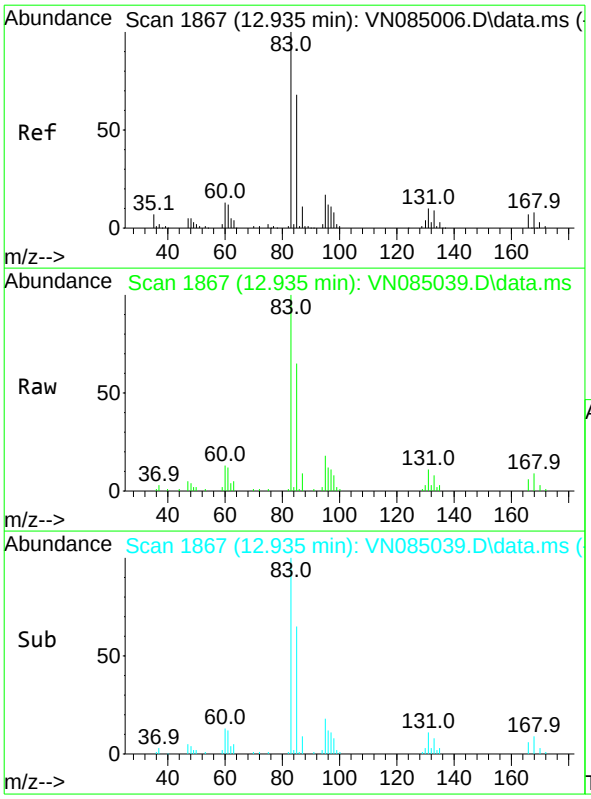


#74
N-amyl acetate
Concen: 20.018 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 43 Resp: 62970

Ion	Ratio	Lower	Upper
43	100		
70	43.1	34.6	51.8
55	26.7	20.5	30.7
61	24.1	19.6	29.4

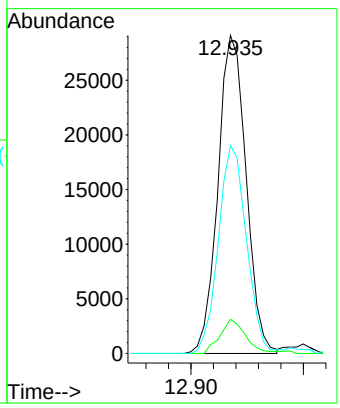




#75
1,1,2,2-Tetrachloroethane
Concen: 19.411 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 83 Resp: 50599

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.4
85	65.3	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
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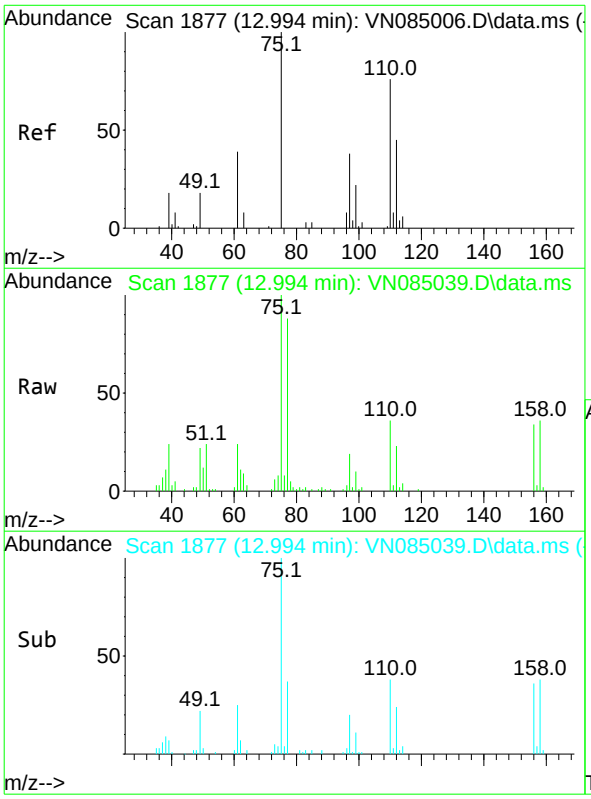
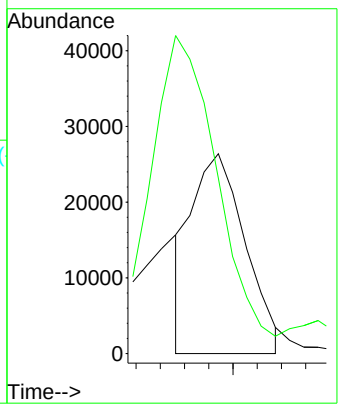
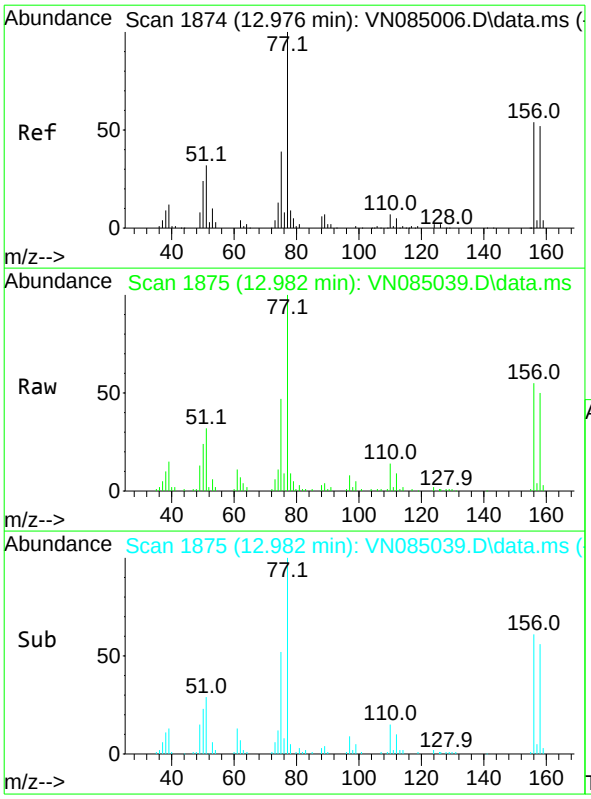


#76
1,2,3-Trichloropropane
Concen: 20.644 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 75 Resp: 40632

Ion	Ratio	Lower	Upper
75	100		
77	202.9	109.1	327.4

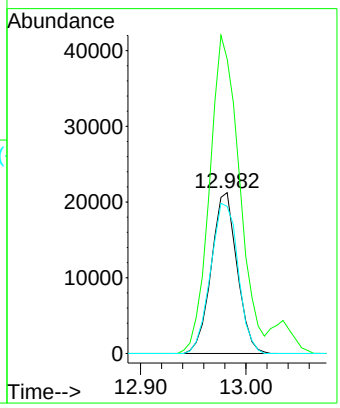




#77
Bromobenzene
Concen: 17.589 ug/l
RT: 12.982 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:156 Resp: 36132

Ion	Ratio	Lower	Upper
156	100		
77	228.2	107.2	321.6
158	99.8	48.5	145.6



Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

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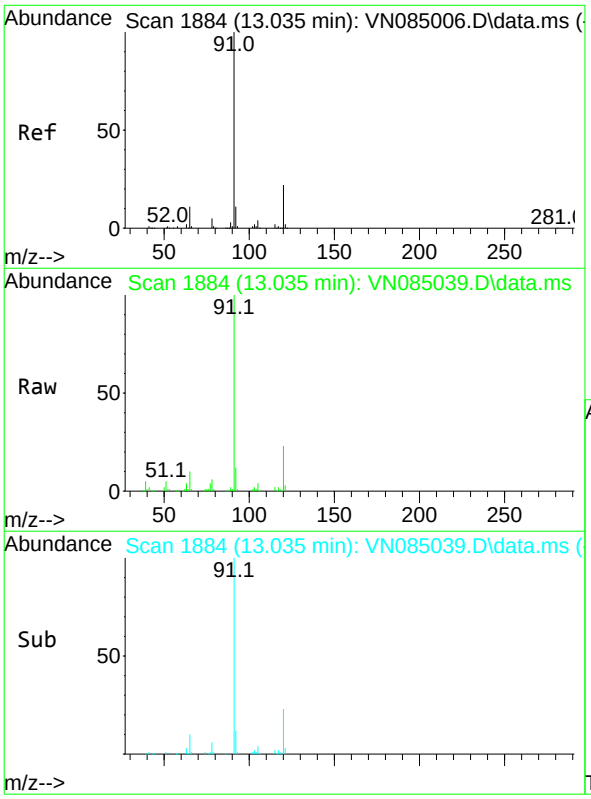
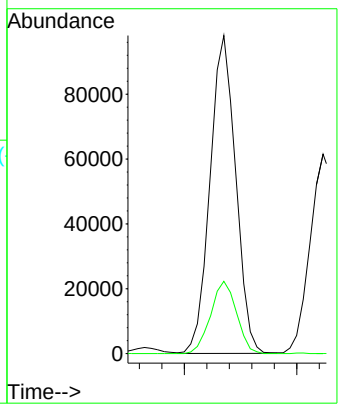
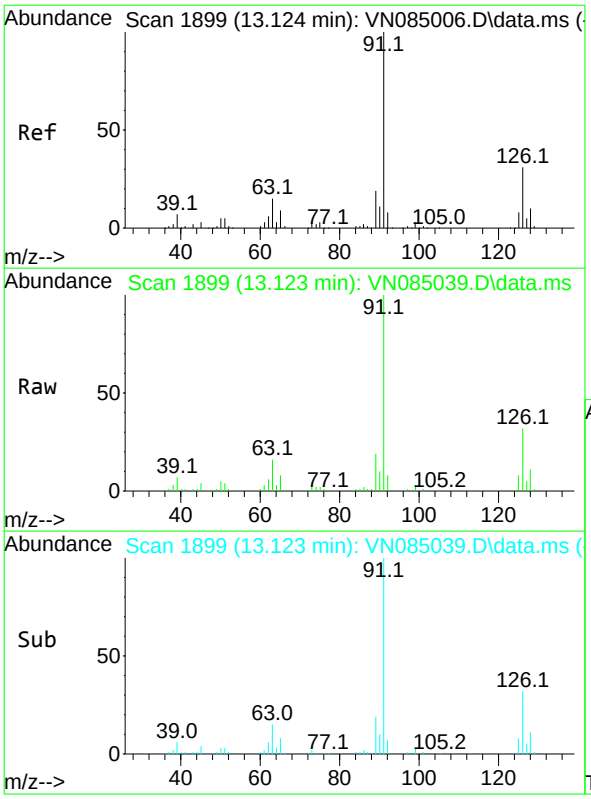


#78
n-propylbenzene
Concen: 17.651 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 91 Resp: 155410

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.3	33.9

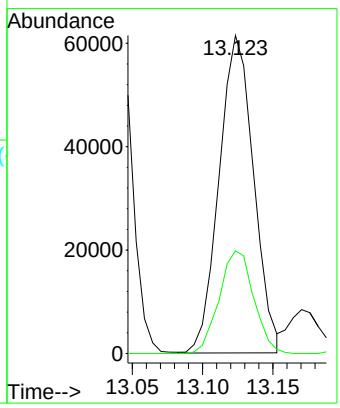




#79
2-Chlorotoluene
Concen: 17.862 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 91 Resp: 104984

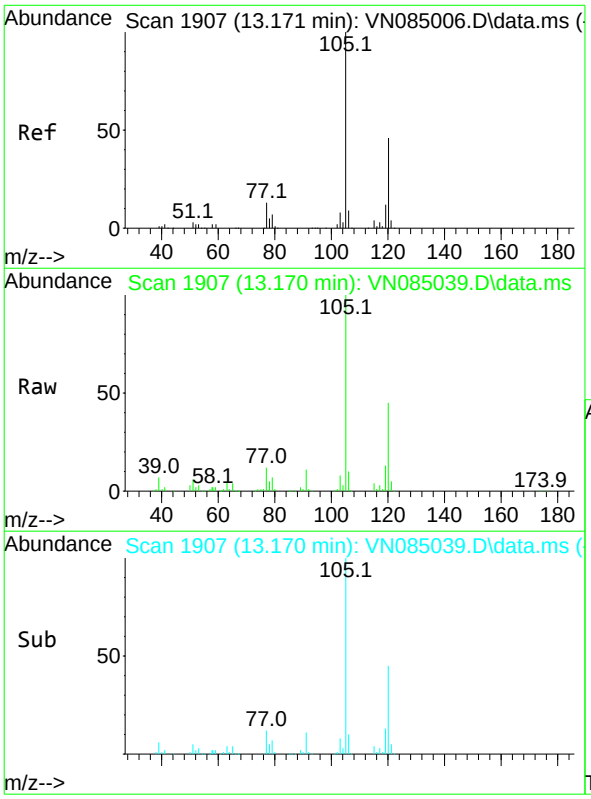
Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.3



Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Manual Integrations APPROVED

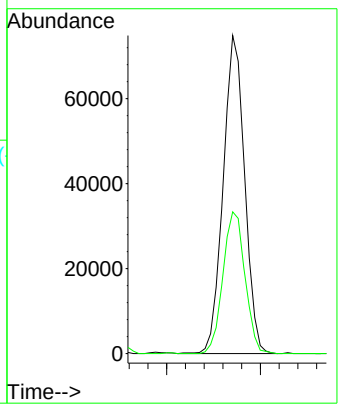
Reviewed By :John Carlone 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

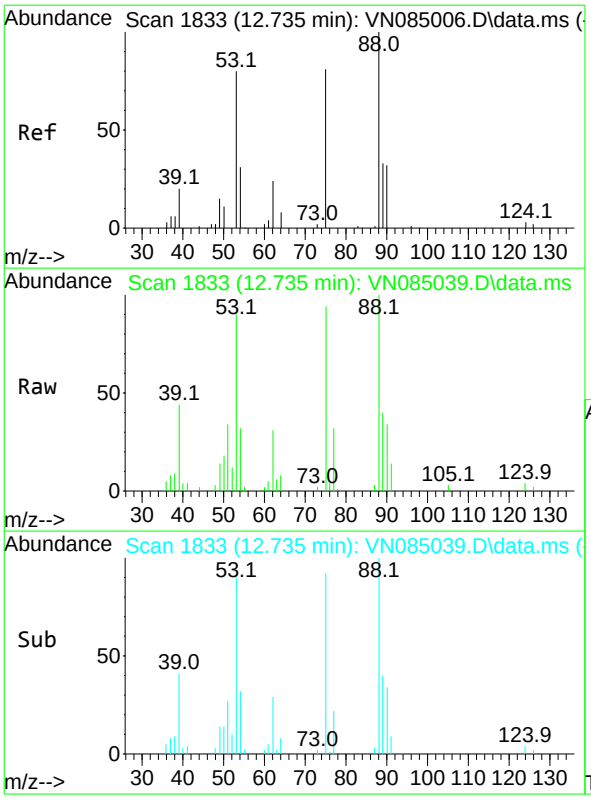


#80
1,3,5-Trimethylbenzene
Concen: 18.581 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:105 Resp: 119023

Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.6	71.0

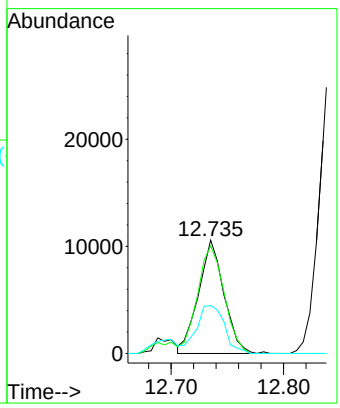




#81
trans-1,4-Dichloro-2-butene
Concen: 18.708 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 75 Resp: 16680

Ion	Ratio	Lower	Upper
75	100		
53	99.3	78.2	117.4
89	46.9	37.9	56.9



Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/27/2024
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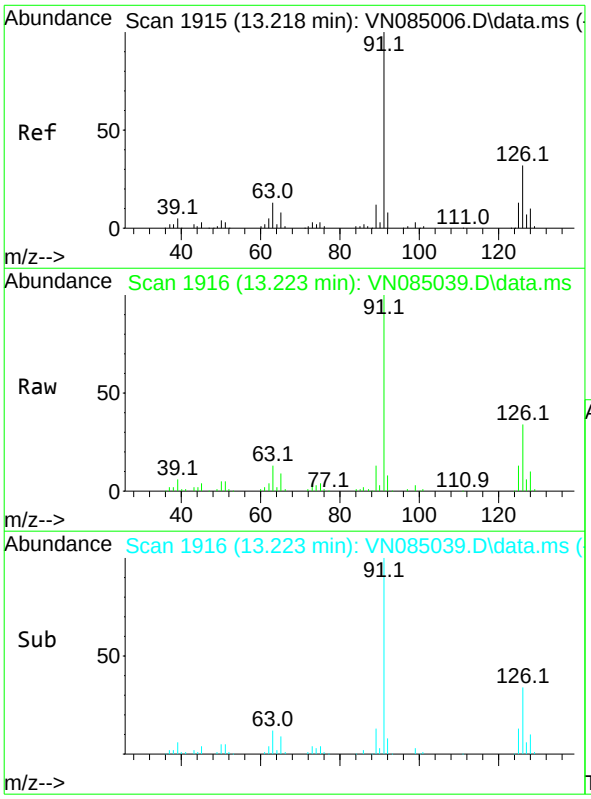
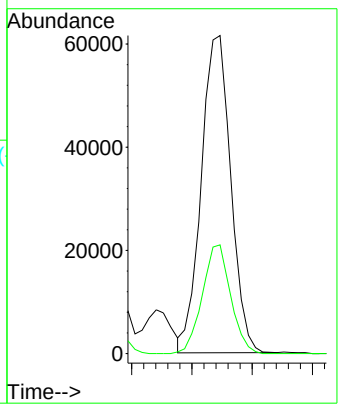
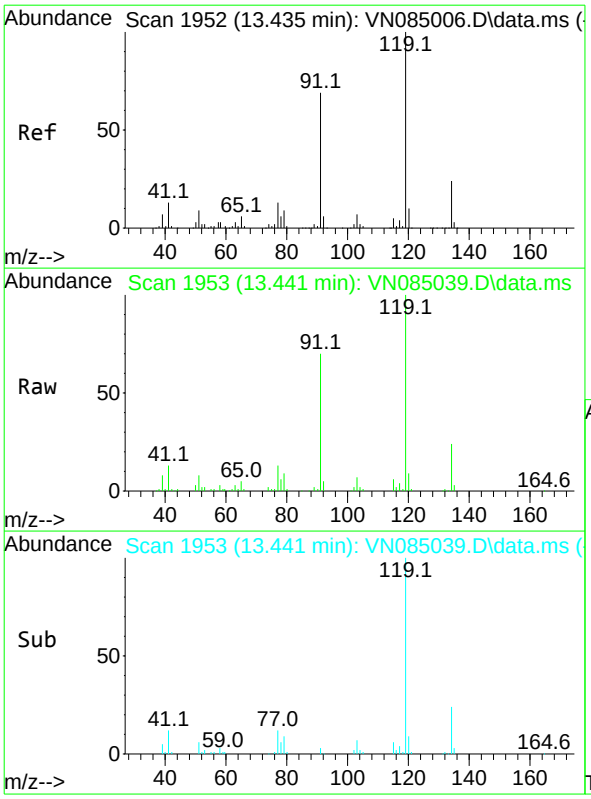


#82
4-Chlorotoluene
Concen: 17.076 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 91 Resp: 104480

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.1	48.3

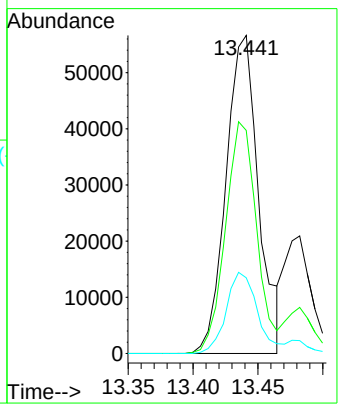




#83
tert-Butylbenzene
Concen: 17.962 ug/l
RT: 13.441 min Scan# 19
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:119 Resp: 98995

Ion	Ratio	Lower	Upper
119	100		
91	69.7	35.1	105.5
134	24.7	12.1	36.3



Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

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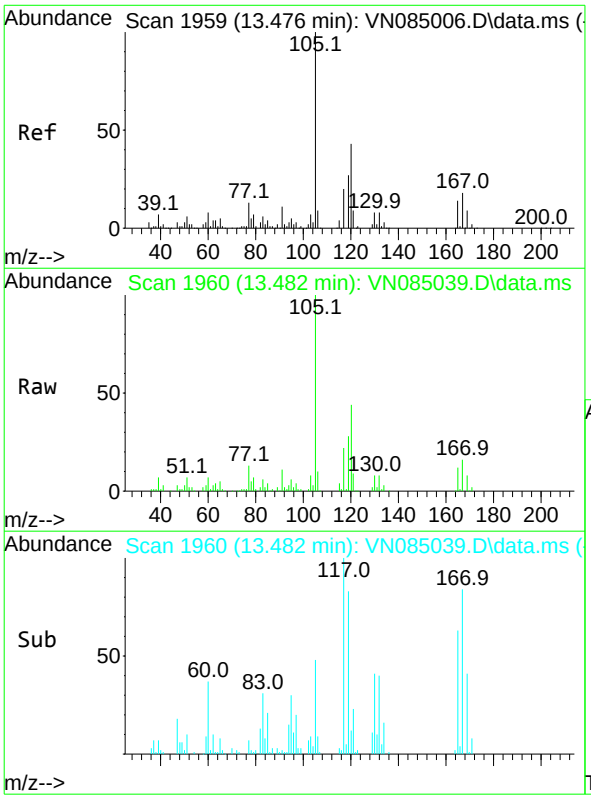
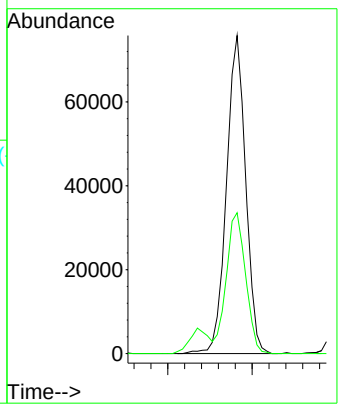
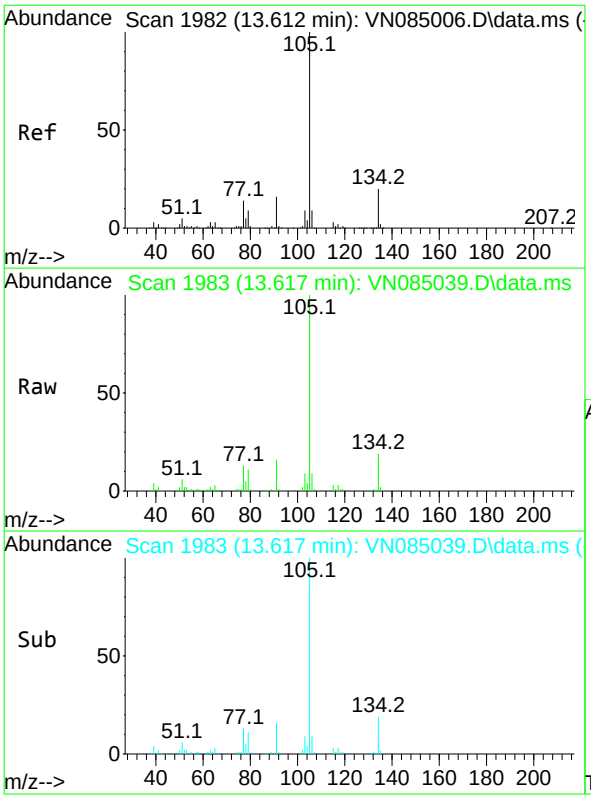


#84
1,2,4-Trimethylbenzene
Concen: 18.164 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:105 Resp: 119771

Ion	Ratio	Lower	Upper
105	100		
120	44.8	21.8	65.4

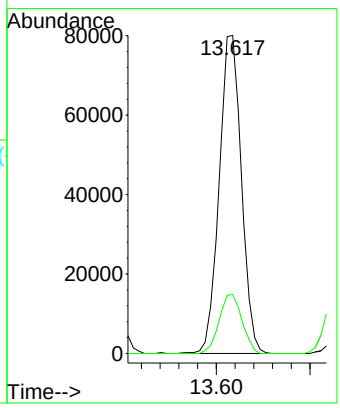




#85
sec-Butylbenzene
Concen: 17.684 ug/l
RT: 13.617 min Scan# 19
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:105 Resp: 131666

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.3



Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

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Reviewed By :John Carlone 11/27/2024
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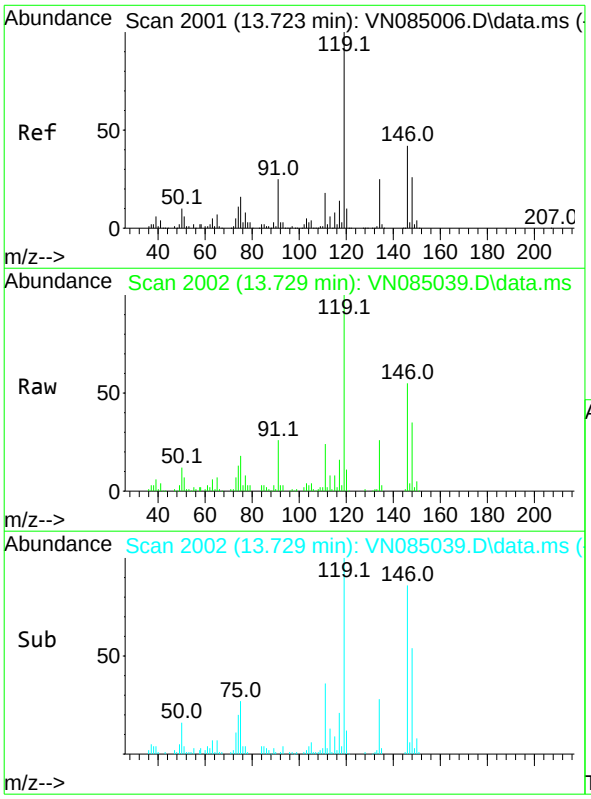
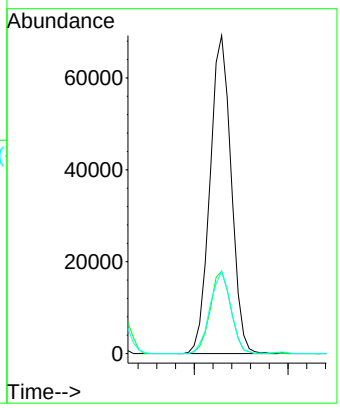
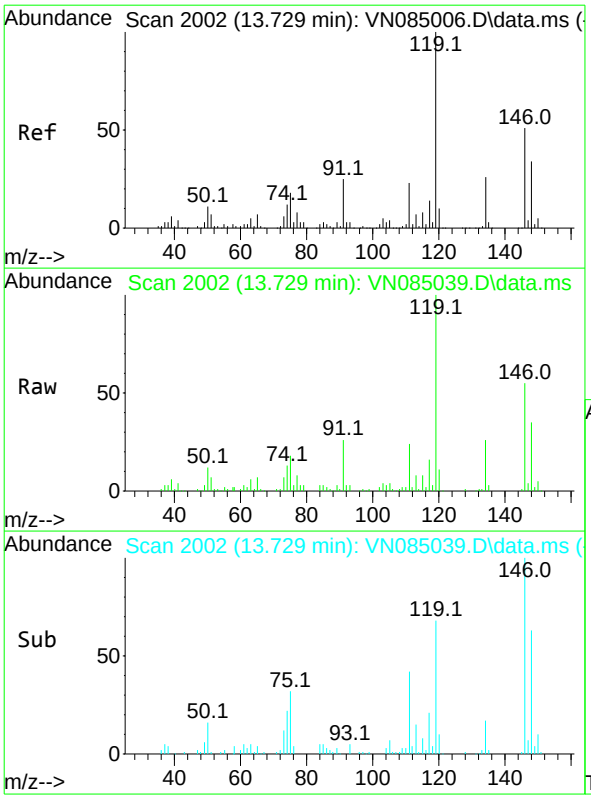


#86
p-Isopropyltoluene
Concen: 17.683 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:119 Resp: 108682

Ion	Ratio	Lower	Upper
119	100		
134	25.2	13.0	39.0
91	25.5	12.8	38.4

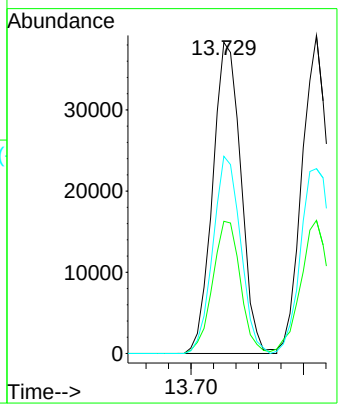




#87
1,3-Dichlorobenzene
Concen: 16.526 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:146 Resp: 66961

Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.6	65.0
148	62.0	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Manual Integrations
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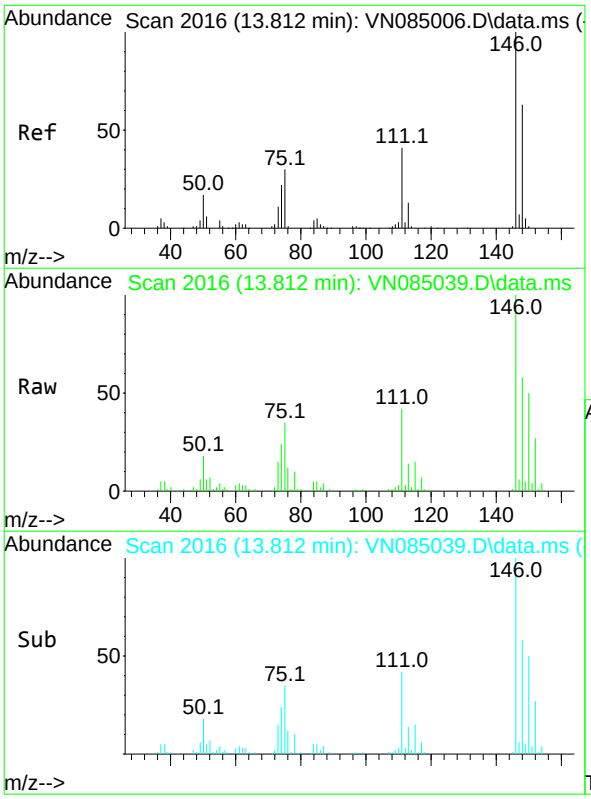
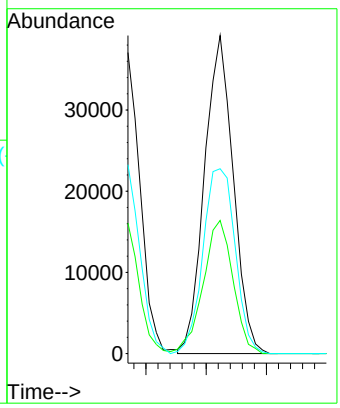
Supervised By :Mahesh Dadoda 11/27/2024

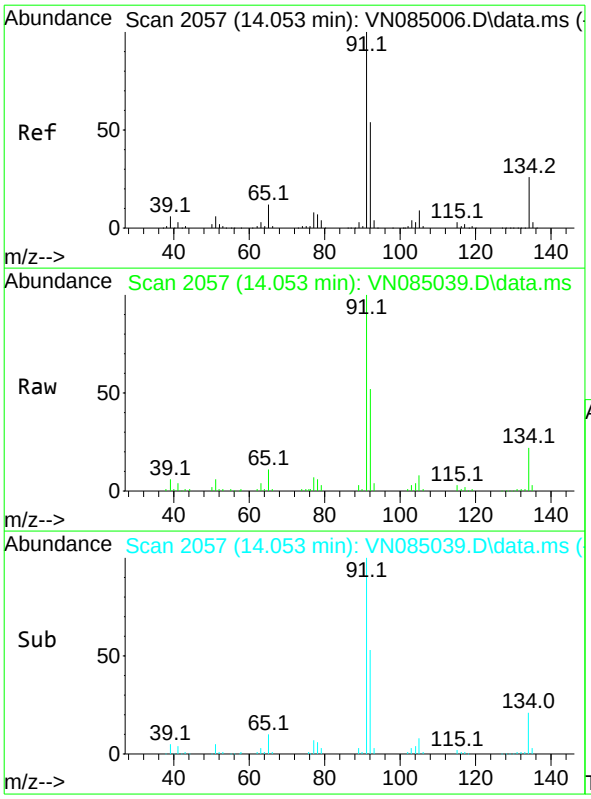


#88
1,4-Dichlorobenzene
Concen: 15.735 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:146 Resp: 65064

Ion	Ratio	Lower	Upper
146	100		
111	43.4	20.9	62.8
148	65.1	31.3	93.9





#89
n-Butylbenzene
Concen: 15.709 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 91 Resp: 89788

Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.8	80.3
134	24.8	12.8	38.4

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Manual Integrations
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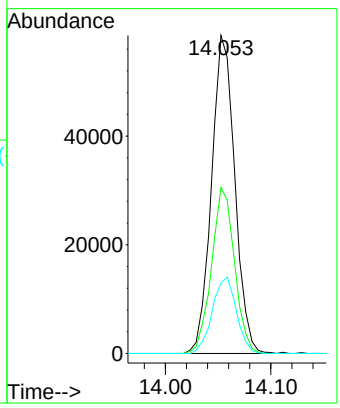
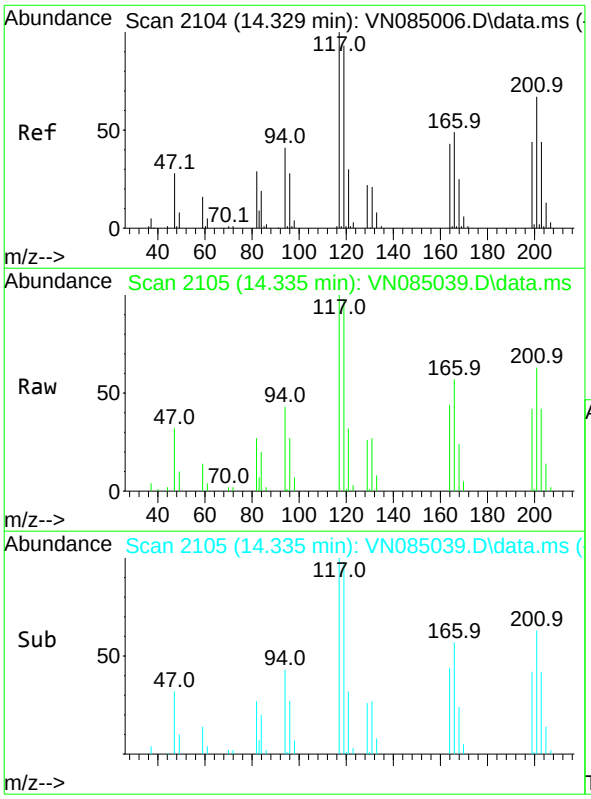
Reviewed By :John Carlone 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

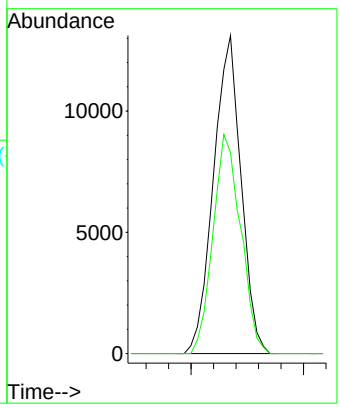


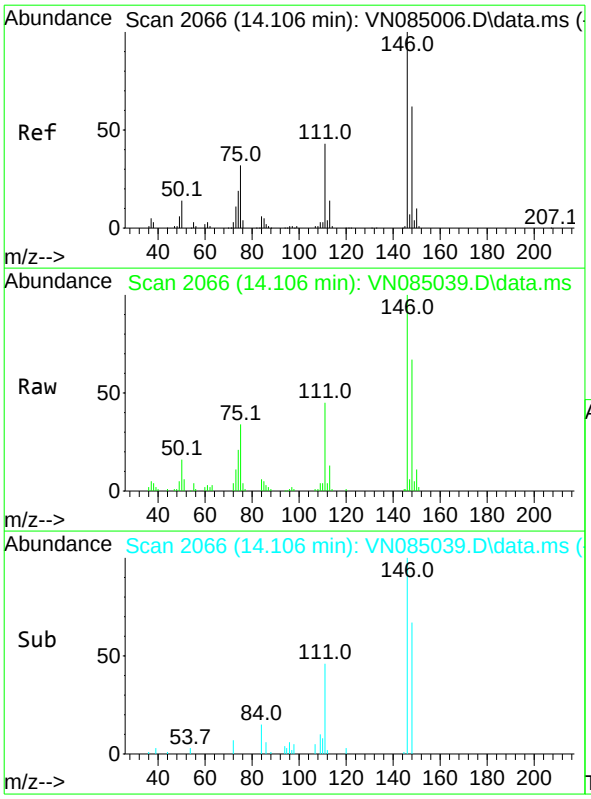


#90
Hexachloroethane
Concen: 16.664 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:117 Resp: 22324

Ion	Ratio	Lower	Upper
117	100		
201	69.2	35.2	105.6

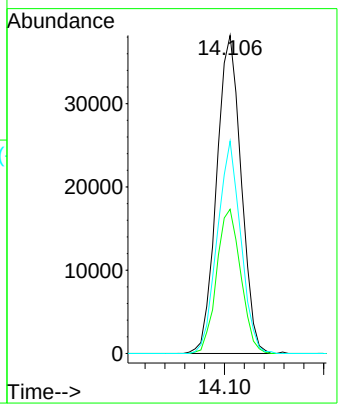




#91
1,2-Dichlorobenzene
Concen: 16.851 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:146 Resp: 65426

Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.9	65.8
148	64.2	31.1	93.2



Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

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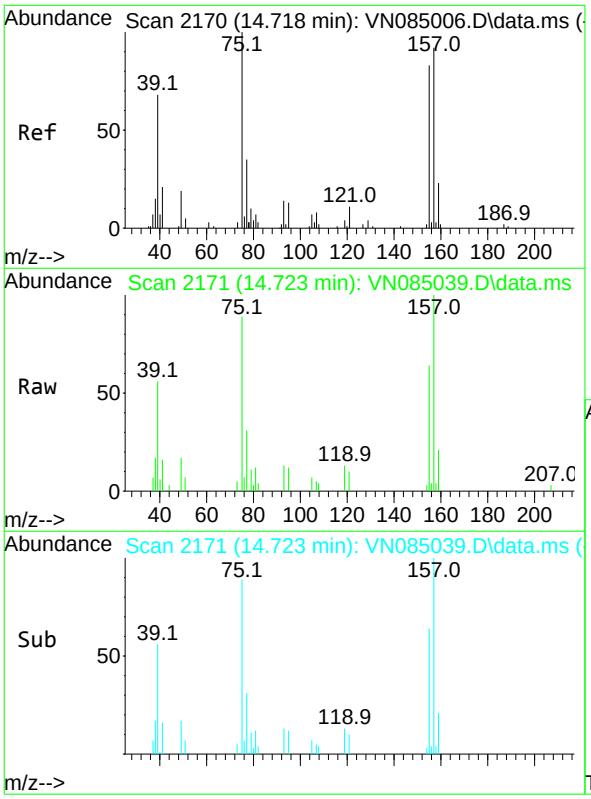
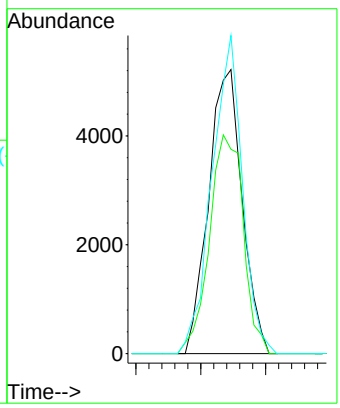
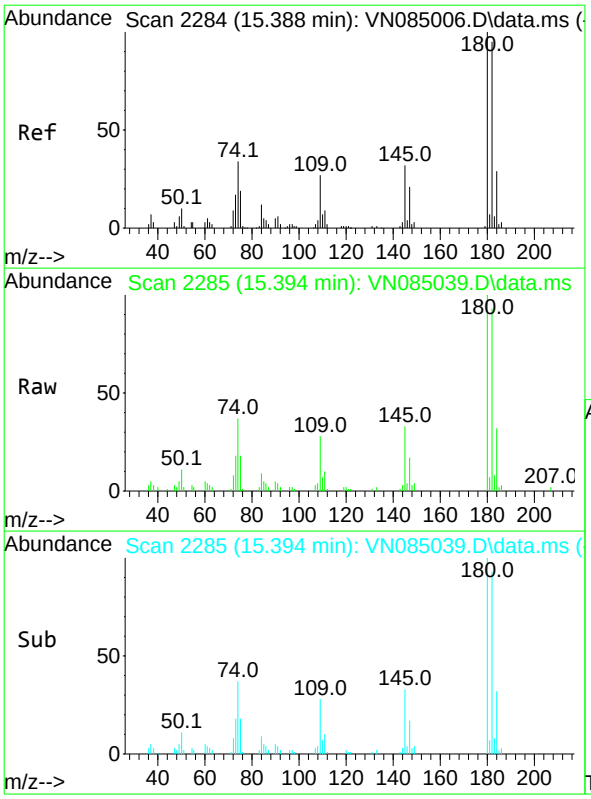


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.632 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 75 Resp: 9392

Ion	Ratio	Lower	Upper
75	100		
155	77.6	38.9	116.7
157	101.7	48.3	144.9

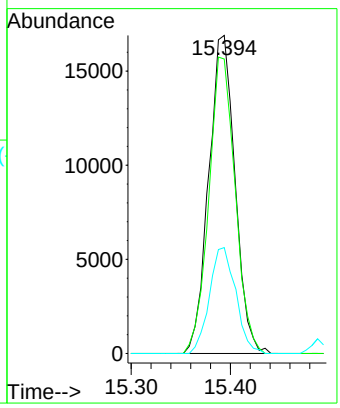




#93
1,2,4-Trichlorobenzene
Concen: 14.750 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:180 Resp: 31113

Ion	Ratio	Lower	Upper
180	100		
182	93.3	46.9	140.8
145	33.2	16.3	48.8



Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

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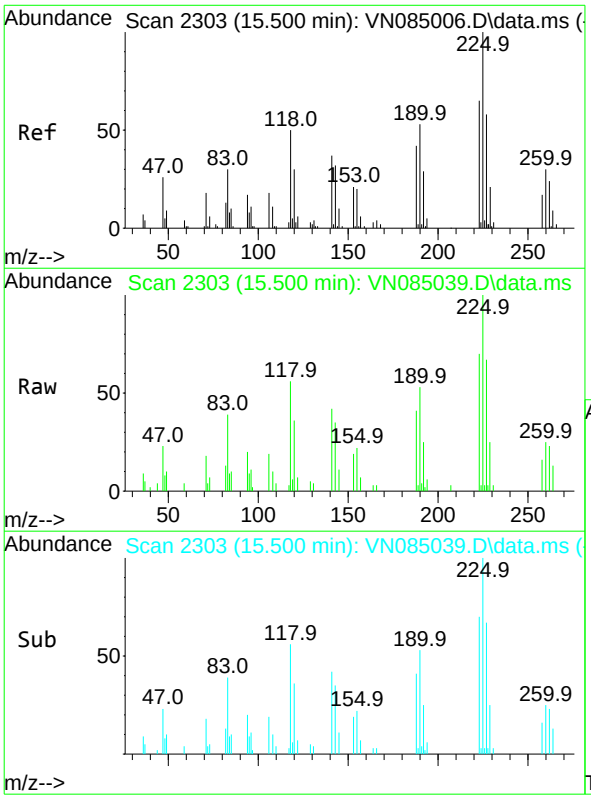
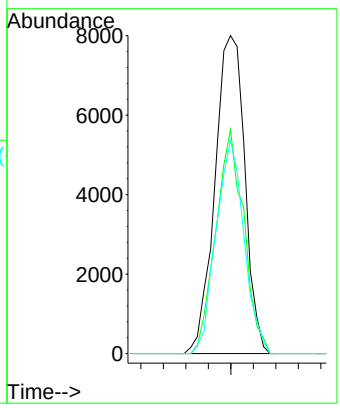
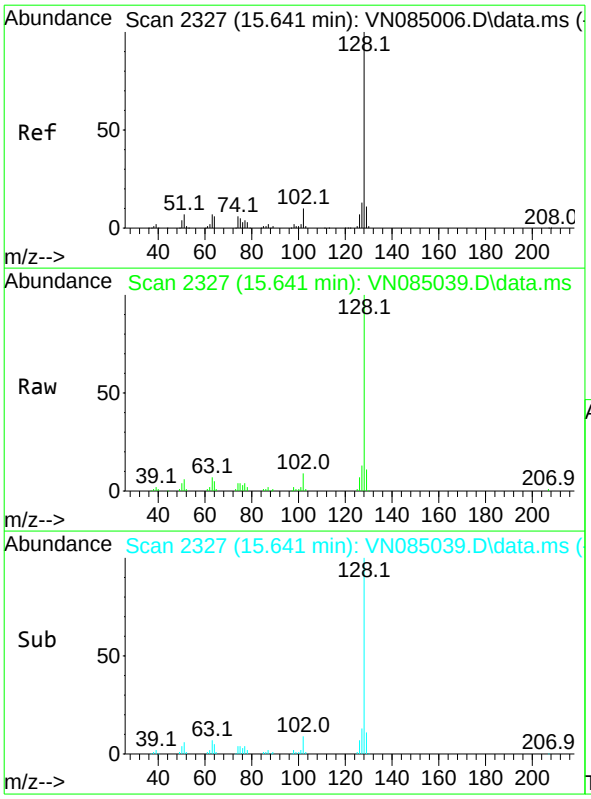


#94
Hexachlorobutadiene
Concen: 15.194 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:225 Resp: 14791

Ion	Ratio	Lower	Upper
225	100		
223	65.8	30.9	92.8
227	62.9	31.5	94.5

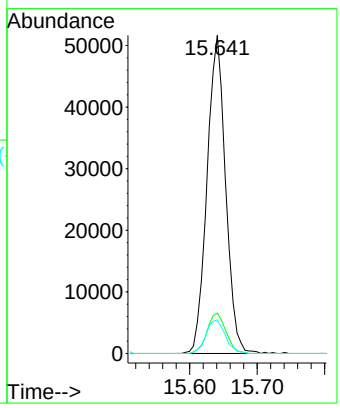




#95
Naphthalene
Concen: 16.428 ug/l
RT: 15.641 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:128 Resp: 98698

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	11.0	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

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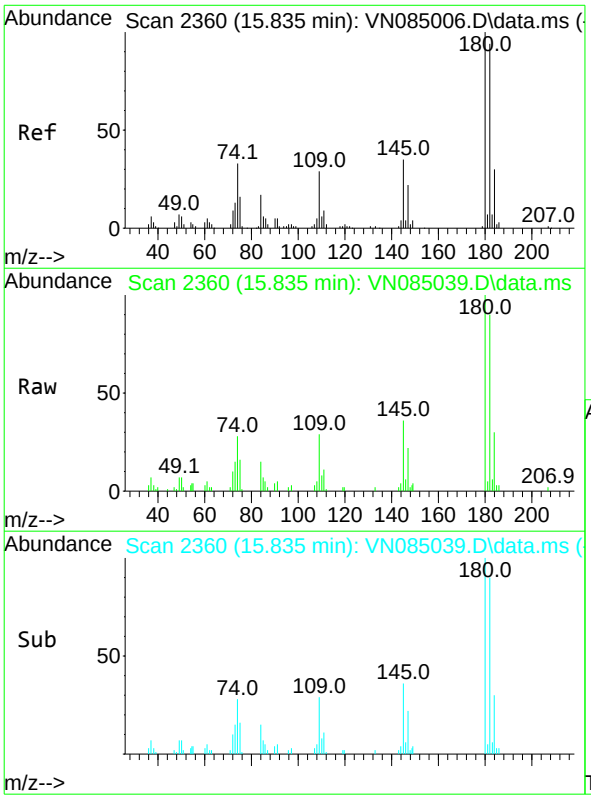
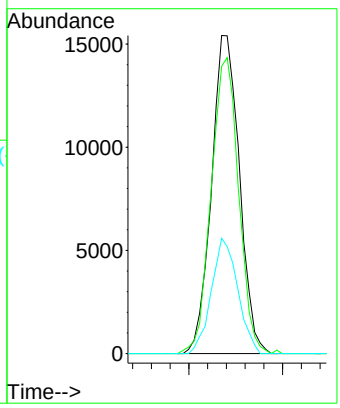


#96
1,2,3-Trichlorobenzene
Concen: 15.824 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:180 Resp: 31849

Ion	Ratio	Lower	Upper
180	100		
182	91.6	46.4	139.2
145	34.2	17.3	52.0



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-23-20241112MS	SDG No.:	P4845
Lab Sample ID:	P4845-06MS	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084907.D	1		11/17/24 20:01	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	47.4		0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	47.4		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	54.6		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	55.7		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	57.0		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	55.4		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	50.9		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	48.4		0.26	0.75	1.00	ug/L
67-64-1	Acetone	290		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	41.7		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	54.3		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	45.9		0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	49.6		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	48.9		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	49.6		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	45.3		1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	280		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	55.7		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	50.3		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	47.7		0.18	0.50	1.00	ug/L
67-66-3	Chloroform	52.2		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	53.8		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	54.1		0.19	0.50	1.00	ug/L
71-43-2	Benzene	50.9		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	54.7		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	51.5		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	52.5		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	54.3		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	290		0.75	2.50	5.00	ug/L
108-88-3	Toluene	55.3		0.18	0.50	1.00	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-23-20241112MS	SDG No.:	P4845
Lab Sample ID:	P4845-06MS	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084907.D	1		11/17/24 20:01	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	50.0		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	49.1		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	54.6		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	300		1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	57.6		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	54.7		0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	52.2		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	51.5		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	53.7		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	110		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	57.1		0.14	0.50	1.00	ug/L
100-42-5	Styrene	54.9		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	57.4		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	52.0		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	49.0		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	44.1		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	48.1		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	47.1		0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	48.1		0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	42.3		0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	42.8		0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.8		81 - 118		98%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	49.1		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.7		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	140000	8.224				
540-36-3	1,4-Difluorobenzene	229000	9.094				
3114-55-4	Chlorobenzene-d5	204000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	108000	13.788				

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-23-20241112MS	SDG No.:	P4845
Lab Sample ID:	P4845-06MS	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084907.D	1		11/17/24 20:01	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084907.D
Acq On : 17 Nov 2024 20:01
Operator : JC\MD
Sample : P4845-06MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 18 00:26:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Manual Integrations APPROVED
Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	140467	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	229039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	204228	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	108316	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	99024	48.809	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.620%			
35) Dibromofluoromethane	8.159	113	77814	50.192	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.380%			
50) Toluene-d8	10.565	98	280529	49.122	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.240%			
62) 4-Bromofluorobenzene	12.847	95	112401	52.663	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	76620	47.449	ug/l	98
3) Chloromethane	2.360	50	90030	47.383	ug/l	99
4) Vinyl Chloride	2.512	62	94882	54.631	ug/l	98
5) Bromomethane	2.901	94	51261	55.706	ug/l	96
6) Chloroethane	3.065	64	61105	57.033	ug/l	92
7) Trichlorofluoromethane	3.459	101	158511	55.405	ug/l	99
8) Diethyl Ether	3.954	74	49647	49.193	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.348	101	82245	50.875	ug/l	97
10) Methyl Iodide	4.571	142	117902	54.569	ug/l	97
11) Tert butyl alcohol	5.542	59	76829	286.891	ug/l	99
12) 1,1-Dichloroethene	4.324	96	77375	48.371	ug/l	90
13) Acrolein	4.171	56	72666	272.116	ug/l	96
14) Allyl chloride	5.012	41	122088	47.062	ug/l	94
15) Acrylonitrile	5.712	53	210734	271.822	ug/l	100
16) Acetone	4.430	43	169105	288.996	ug/l	97
17) Carbon Disulfide	4.701	76	205382	41.692	ug/l	100
18) Methyl Acetate	5.018	43	99015	45.927	ug/l	97
19) Methyl tert-butyl Ether	5.795	73	266148	54.283	ug/l	98
20) Methylene Chloride	5.259	84	88552	49.626	ug/l	89
21) trans-1,2-Dichloroethene	5.771	96	80379	48.936	ug/l	98
22) Diisopropyl ether	6.671	45	254803	49.431	ug/l	98
23) Vinyl Acetate	6.595	43	879170	247.324	ug/l	97
24) 1,1-Dichloroethane	6.559	63	153509	49.603	ug/l	99
25) 2-Butanone	7.477	43	264864	279.833	ug/l	100
26) 2,2-Dichloropropane	7.483	77	120188	44.620	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	96552	50.342	ug/l	95
28) Bromochloromethane	7.806	49	58774	47.668	ug/l	88
29) Tetrahydrofuran	7.836	42	173987	277.081	ug/l	92
30) Chloroform	7.959	83	164319	52.167	ug/l	97
31) Cyclohexane	8.253	56	126802	45.270	ug/l	91
32) 1,1,1-Trichloroethane	8.165	97	154221	53.793	ug/l	96
36) 1,1-Dichloropropene	8.365	75	109740	51.039	ug/l	99
37) Ethyl Acetate	7.559	43	103208	52.906	ug/l	98
38) Carbon Tetrachloride	8.353	117	133766	55.660	ug/l	98
39) Methylcyclohexane	9.594	83	118355	54.109	ug/l	97
40) Benzene	8.600	78	351234	50.867	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084907.D
Acq On : 17 Nov 2024 20:01
Operator : JC\MD
Sample : P4845-06MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 18 00:26:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Manual Integrations APPROVED

Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.771	41	60982	58.131 ug/l	95
42) 1,2-Dichloroethane	8.665	62	122288	54.685 ug/l	99
43) Isopropyl Acetate	8.689	43	183494	50.933 ug/l	97
44) Trichloroethene	9.347	130	82031	51.512 ug/l	98
45) 1,2-Dichloropropane	9.618	63	85048	52.506 ug/l	99
46) Dibromomethane	9.706	93	61284	53.618 ug/l	94
47) Bromodichloromethane	9.888	83	130729	54.260 ug/l	99
48) Methyl methacrylate	9.677	41	86362	56.883 ug/l	94
49) 1,4-Dioxane	9.694	88	33689	1252.193 ug/l #	80
51) 4-Methyl-2-Pentanone	10.447	43	547087	294.185 ug/l	98
52) Toluene	10.630	92	223480	55.339 ug/l	98
53) t-1,3-Dichloropropene	10.835	75	124643	49.979 ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	129610	49.104 ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	83037	54.587 ug/l	95
56) Ethyl methacrylate	10.871	69	132855	60.379 ug/l	94
57) 1,3-Dichloropropane	11.165	76	142194	54.465 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.312	63	678	0.658 ug/l #	48
59) 2-Hexanone	11.194	43	408191	301.554 ug/l	96
60) Dibromochloromethane	11.359	129	99887	57.614 ug/l	99
61) 1,2-Dibromoethane	11.465	107	85137	54.653 ug/l	98
64) Tetrachloroethene	11.100	164	70915	52.203 ug/l	97
65) Chlorobenzene	11.888	112	235212	51.481 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	86030	54.133 ug/l	98
67) Ethyl Benzene	11.965	91	409522	53.697 ug/l	100
68) m/p-Xylenes	12.071	106	316350	109.565 ug/l	98
69) o-Xylene	12.394	106	154115	57.058 ug/l	100
70) Styrene	12.412	104	258466	54.855 ug/l	99
71) Bromoform	12.577	173	68659	57.415 ug/l #	99
73) Isopropylbenzene	12.694	105	394665	51.995 ug/l	100
74) N-amyl acetate	12.494	43	152199	47.111 ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	124200	49.021 ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	103026m	47.583 ug/l	
77) Bromobenzene	12.977	156	95069	46.590 ug/l	94
78) n-propylbenzene	13.035	91	449029	50.482 ug/l	98
79) 2-Chlorotoluene	13.124	91	285213	49.074 ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	335797	53.376 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	40998	44.922 ug/l	92
82) 4-Chlorotoluene	13.218	91	282308	46.155 ug/l	98
83) tert-Butylbenzene	13.435	119	290541	55.802 ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	339626	52.306 ug/l	99
85) sec-Butylbenzene	13.612	105	379195	51.558 ug/l	98
86) p-Isopropyltoluene	13.729	119	326047	54.054 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	175748	44.132 ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	175829	48.095 ug/l	99
89) n-Butylbenzene	14.053	91	256352	45.434 ug/l	99
90) Hexachloroethane	14.329	117	62720	46.627 ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	180429	47.149 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	24700	48.122 ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	88653	42.325 ug/l	99
94) Hexachlorobutadiene	15.500	225	42073	45.741 ug/l	97
95) Naphthalene	15.641	128	279438	44.572 ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	87032	42.804 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084907.D
Acq On : 17 Nov 2024 20:01
Operator : JC\MD
Sample : P4845-06MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 18 00:26:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Manual Integrations APPROVED

Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084907.D
Acq On : 17 Nov 2024 20:01
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Misc : 5.0mL/MSVOA_N/WATER
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Quant Time: Nov 18 00:26:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

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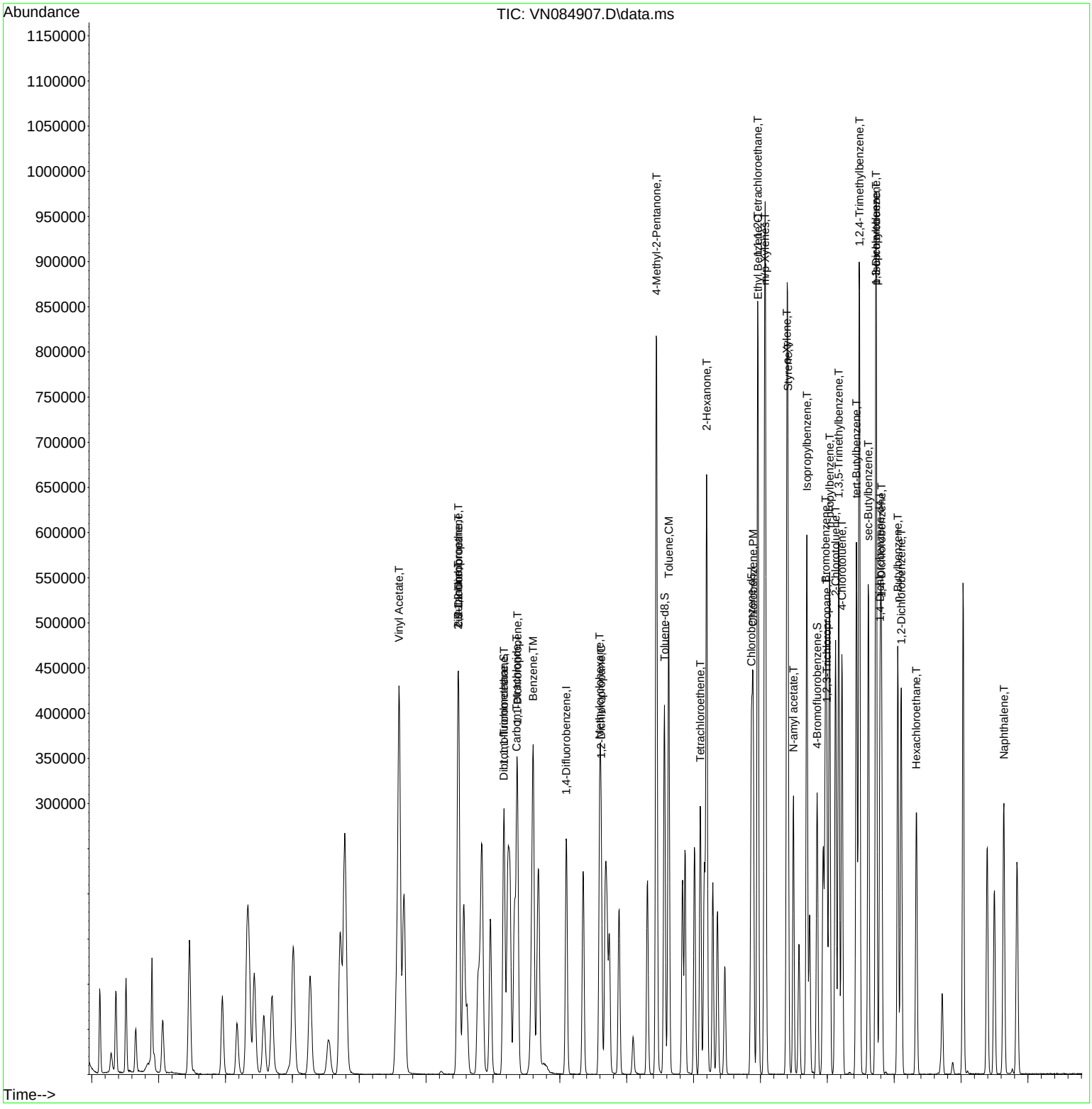
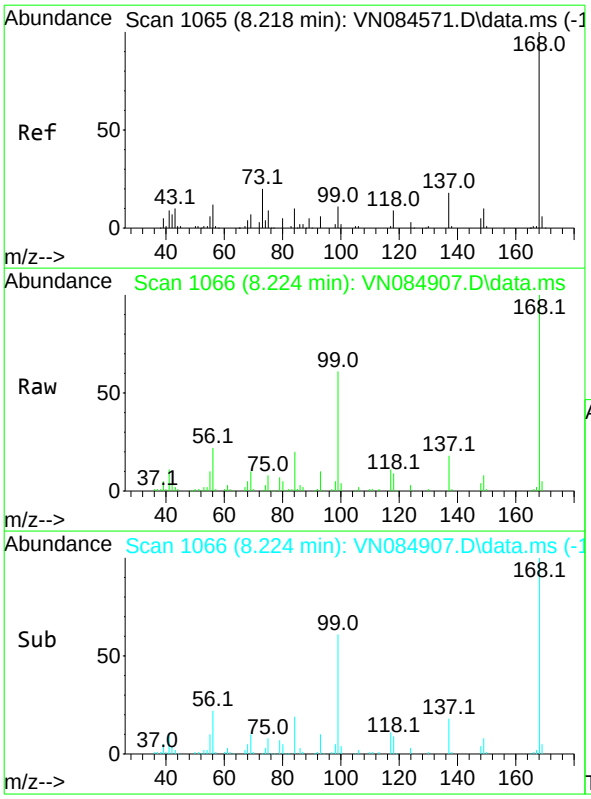
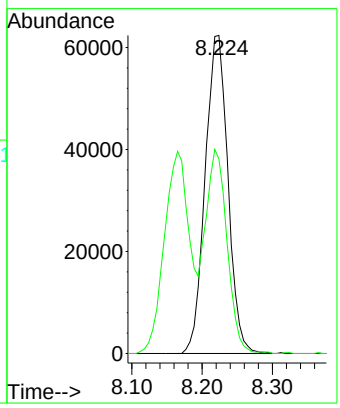




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:168 Resp: 140467

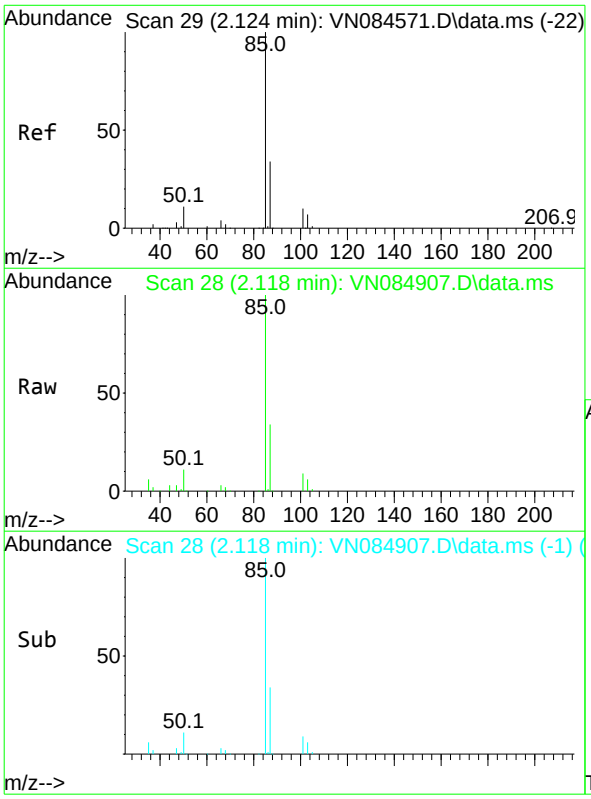
Ion	Ratio	Lower	Upper
168	100		
99	61.2	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Manual Integrations
APPROVED

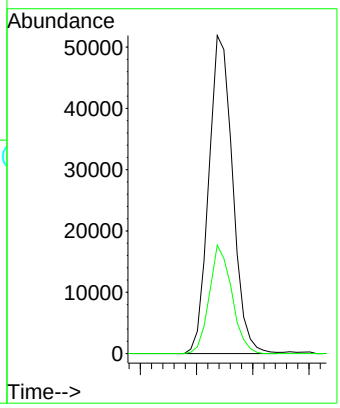
Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

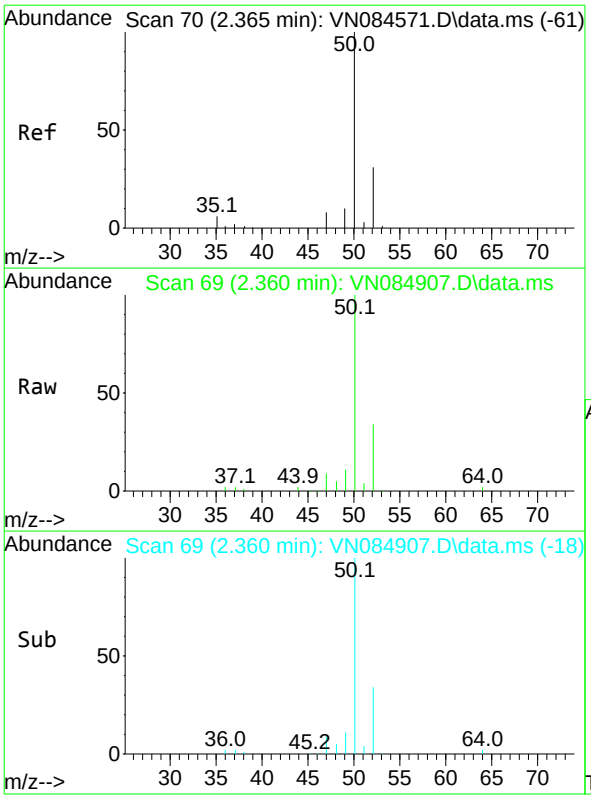


#2
Dichlorodifluoromethane
Concen: 47.449 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 85 Resp: 76620

Ion	Ratio	Lower	Upper
85	100		
87	34.1	17.6	52.9

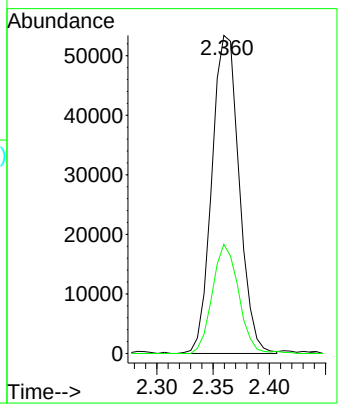




#3
Chloromethane
Concen: 47.383 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.001 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 50 Resp: 90030

Ion	Ratio	Lower	Upper
50	100		
52	34.3	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
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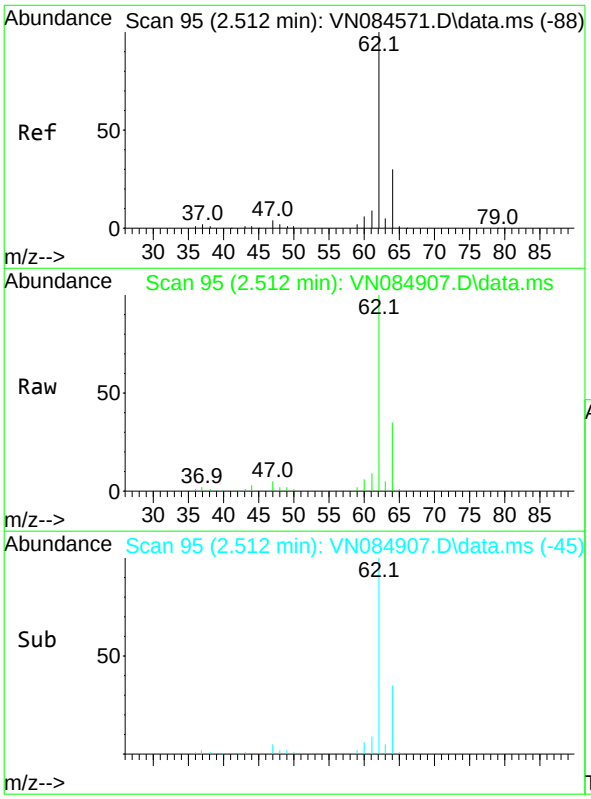
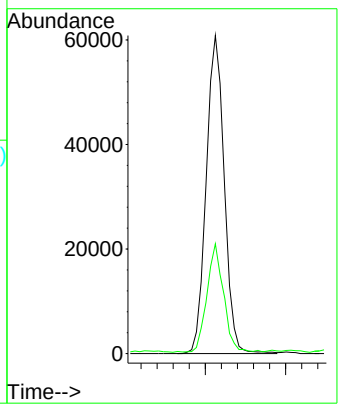
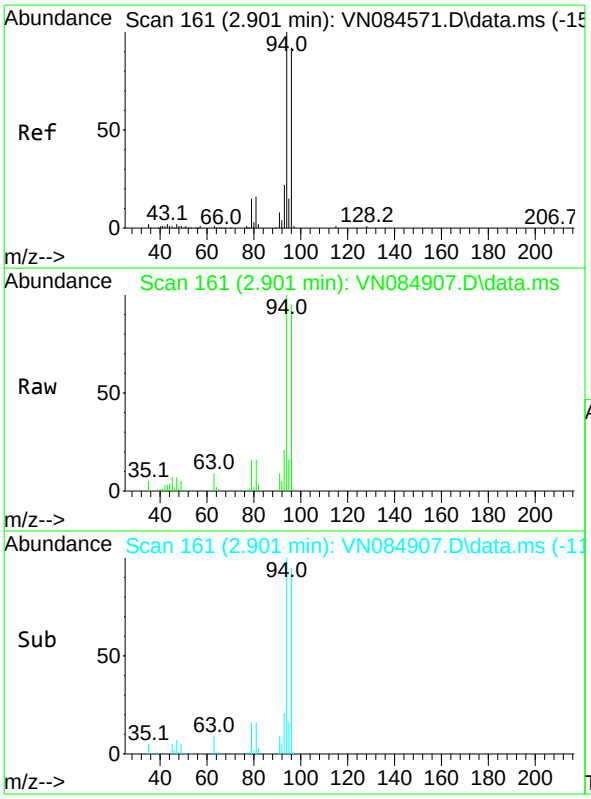


#4
Vinyl Chloride
Concen: 54.631 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 62 Resp: 94882

Ion	Ratio	Lower	Upper
62	100		
64	33.9	26.2	39.4

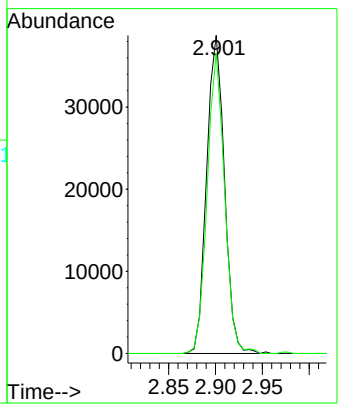




#5
Bromomethane
Concen: 55.706 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.052 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 94 Resp: 51261

Ion	Ratio	Lower	Upper
94	100		
96	94.5	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
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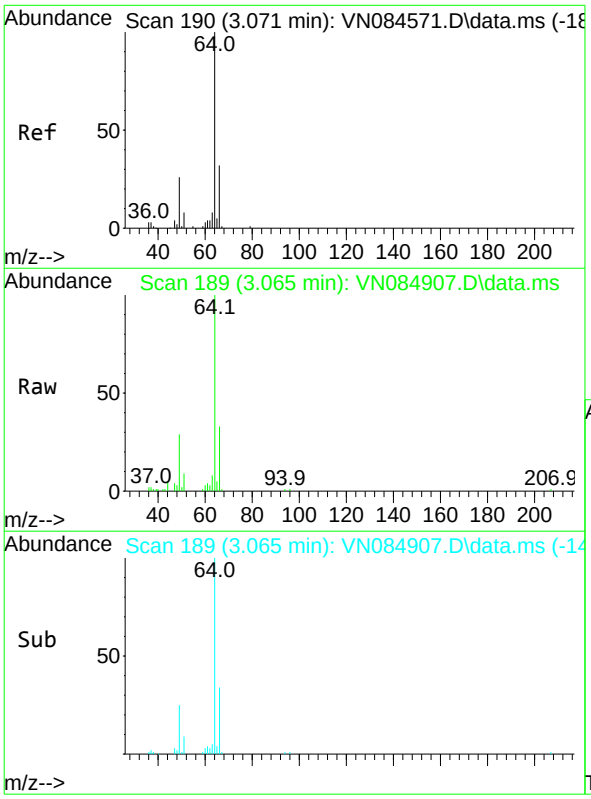
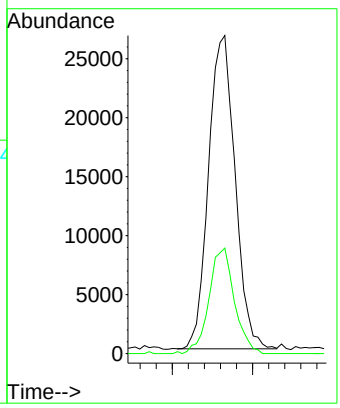
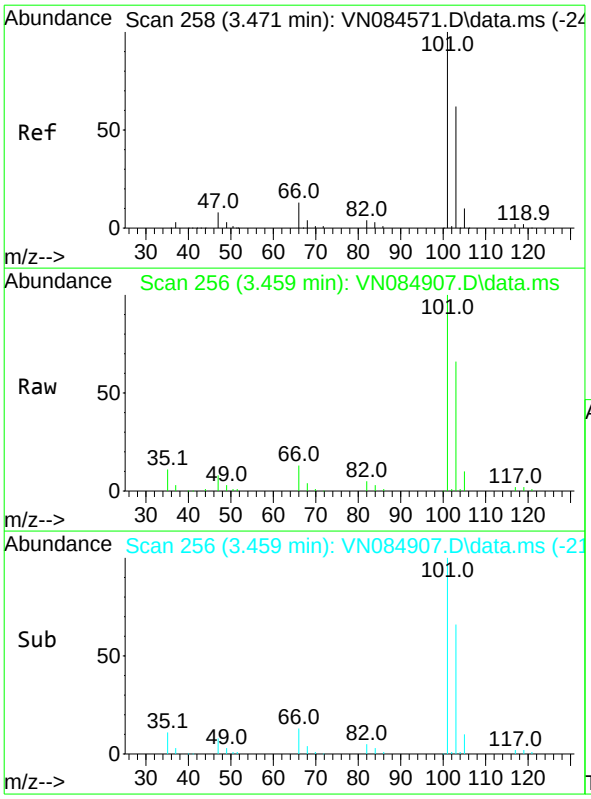


#6
Chloroethane
Concen: 57.033 ug/l
RT: 3.065 min Scan# 189
Delta R.T. -0.053 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 64 Resp: 61105

Ion	Ratio	Lower	Upper
64	100		
66	33.7	23.5	35.3

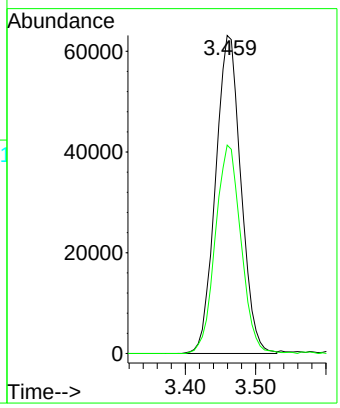




#7
Trichlorofluoromethane
Concen: 55.405 ug/l
RT: 3.459 min Scan# 25
Delta R.T. -0.036 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:101 Resp: 158511

Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
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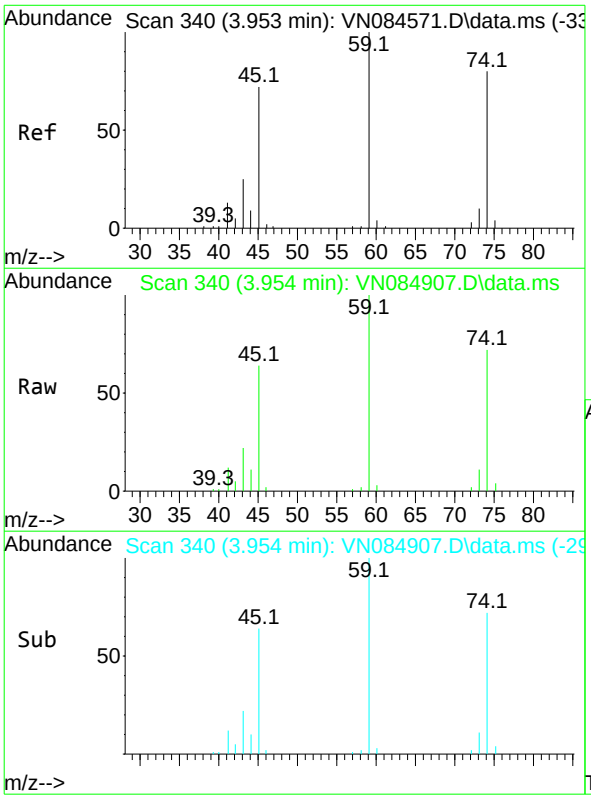
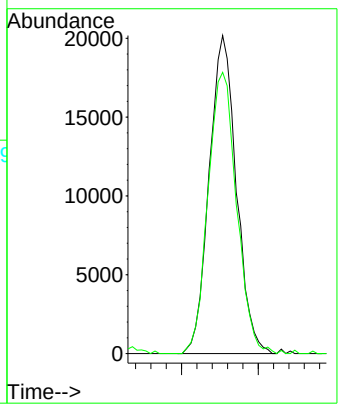
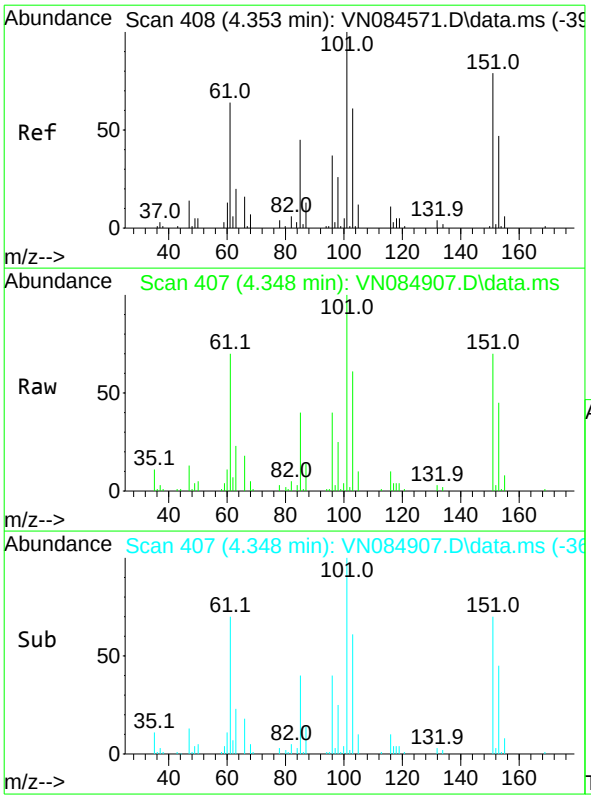


#8
Diethyl Ether
Concen: 49.193 ug/l
RT: 3.954 min Scan# 340
Delta R.T. -0.005 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 74 Resp: 49647

Ion	Ratio	Lower	Upper
74	100		
45	92.8	47.7	143.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.875 ug/l
RT: 4.348 min Scan# 40
Delta R.T. -0.023 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:101 Resp: 82245

Ion	Ratio	Lower	Upper
101	100		
85	45.5	36.2	54.4
151	77.6	59.3	88.9

Instrument :
MSVOA_N
ClientSampleId :
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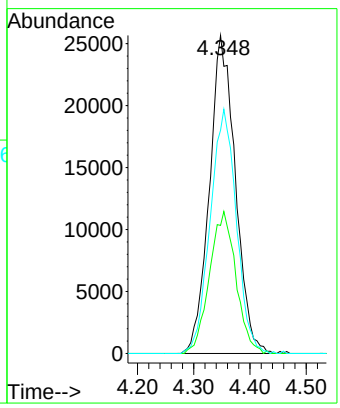
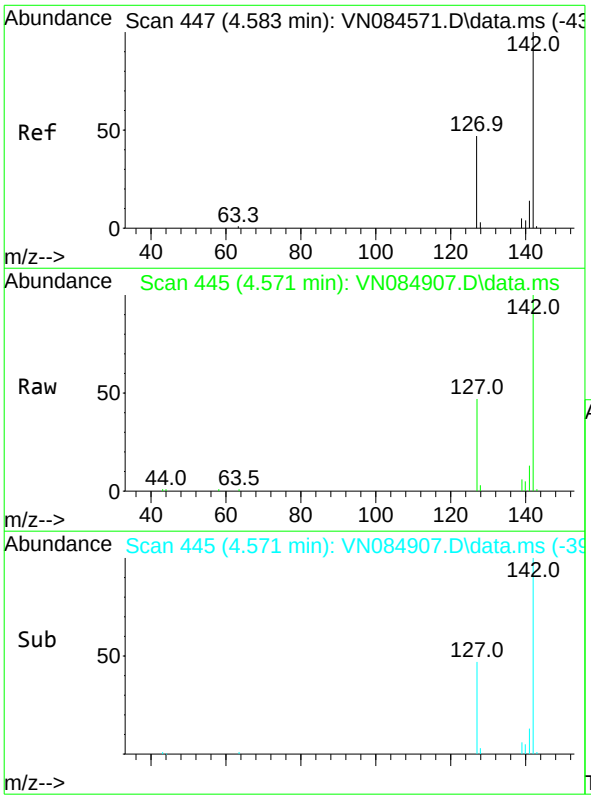
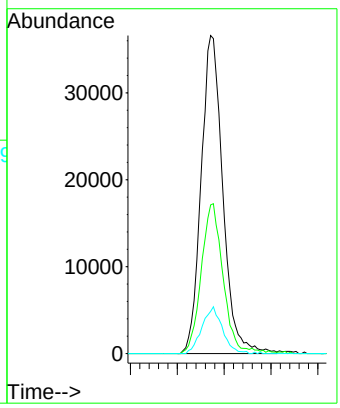


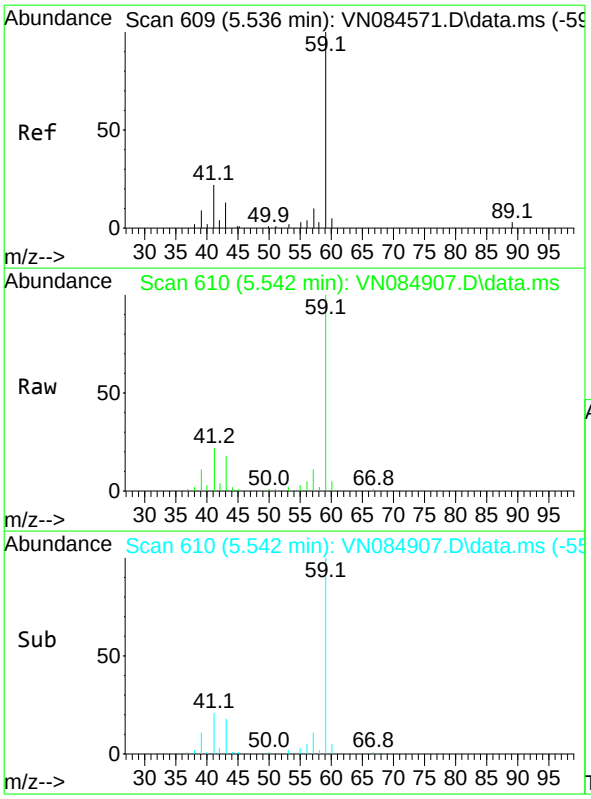


#10
Methyl Iodide
Concen: 54.569 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.023 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:142 Resp: 117902

Ion	Ratio	Lower	Upper
142	100		
127	46.8	35.3	52.9
141	13.3	11.0	16.6

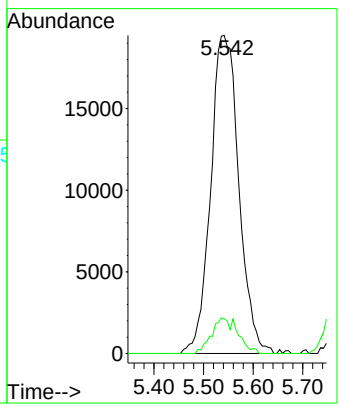




#11
Tert butyl alcohol
Concen: 286.891 ug/l
RT: 5.542 min Scan# 61
Delta R.T. 0.018 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 59 Resp: 76829

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
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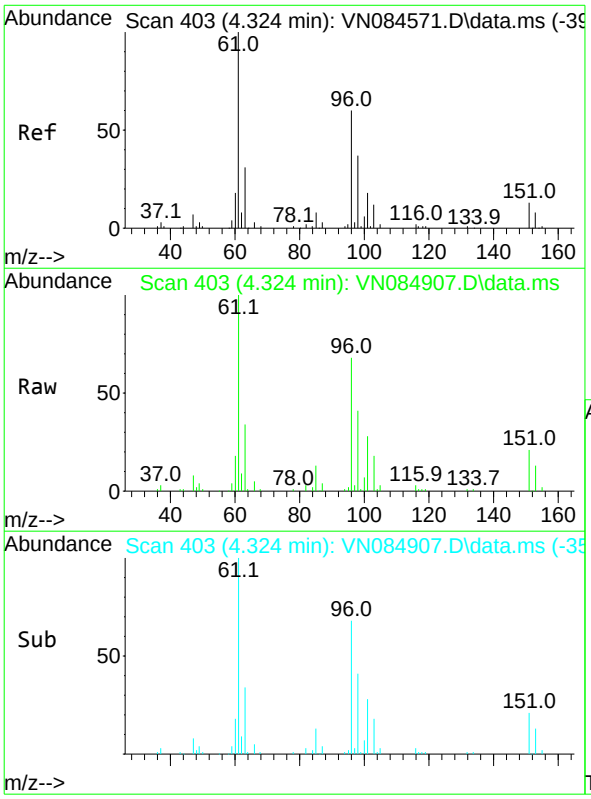
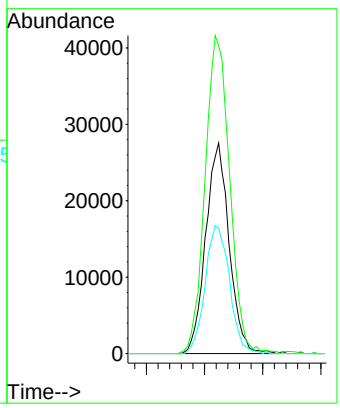
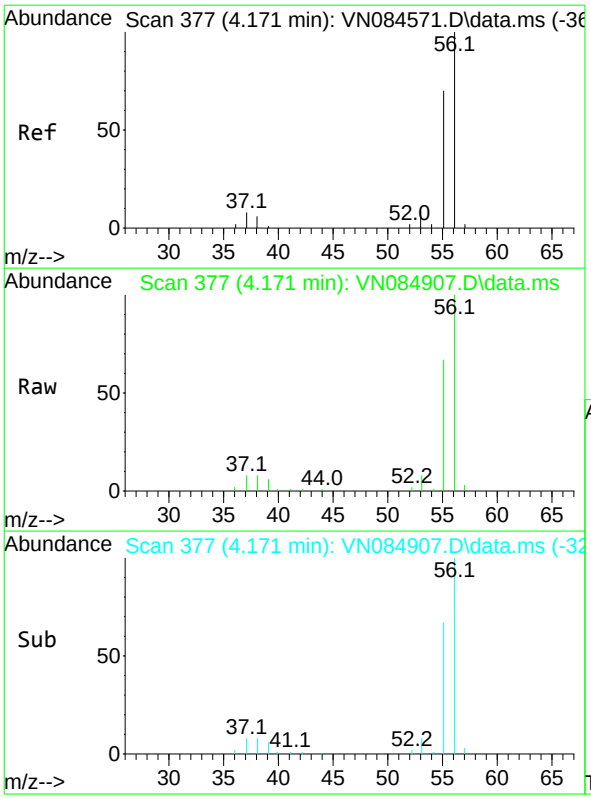


#12
1,1-Dichloroethene
Concen: 48.371 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.017 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 96 Resp: 77375

Ion	Ratio	Lower	Upper
96	100		
61	146.3	128.6	192.8
98	59.5	51.7	77.5

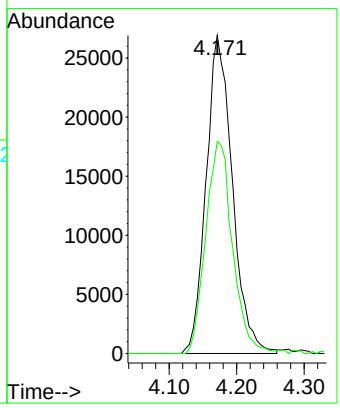




#13
Acrolein
Concen: 272.116 ug/l
RT: 4.171 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 56 Resp: 72666

Ion	Ratio	Lower	Upper
56	100		
55	67.8	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
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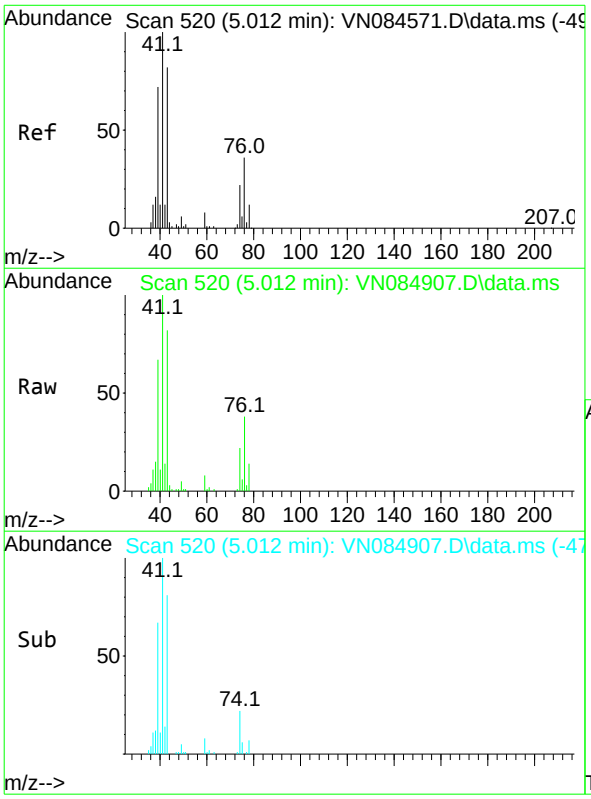
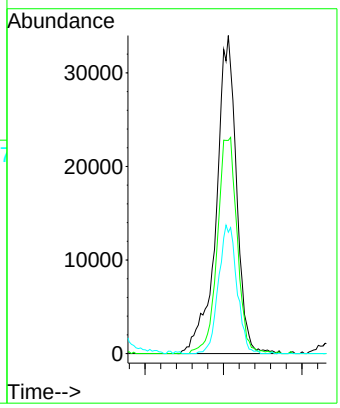
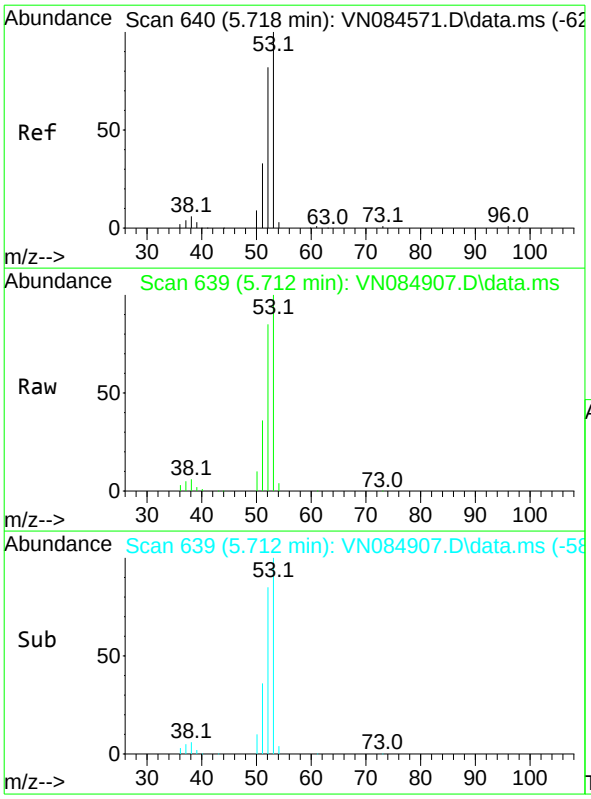


#14
Allyl chloride
Concen: 47.062 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 41 Resp: 122088

Ion	Ratio	Lower	Upper
41	100		
39	66.4	59.0	88.6
76	36.7	29.8	44.6

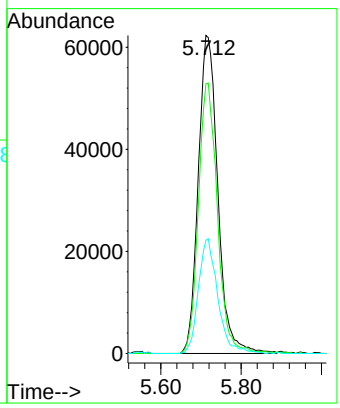




#15
Acrylonitrile
Concen: 271.822 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 53 Resp: 210734

Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.4
51	35.8	28.8	43.2



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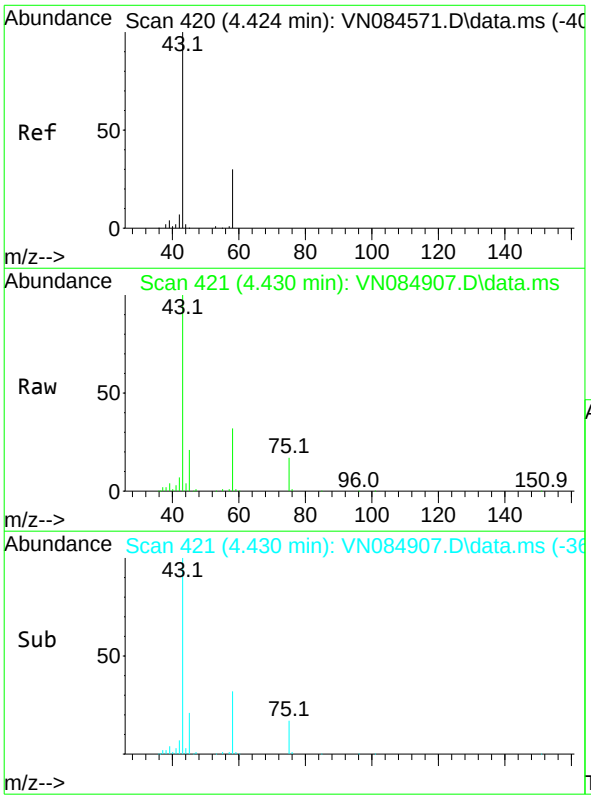
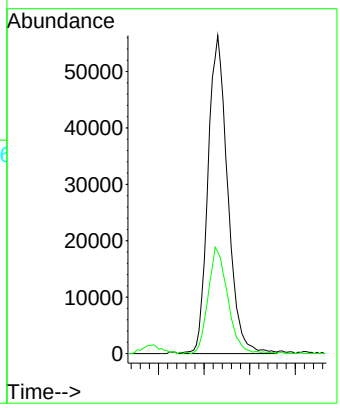
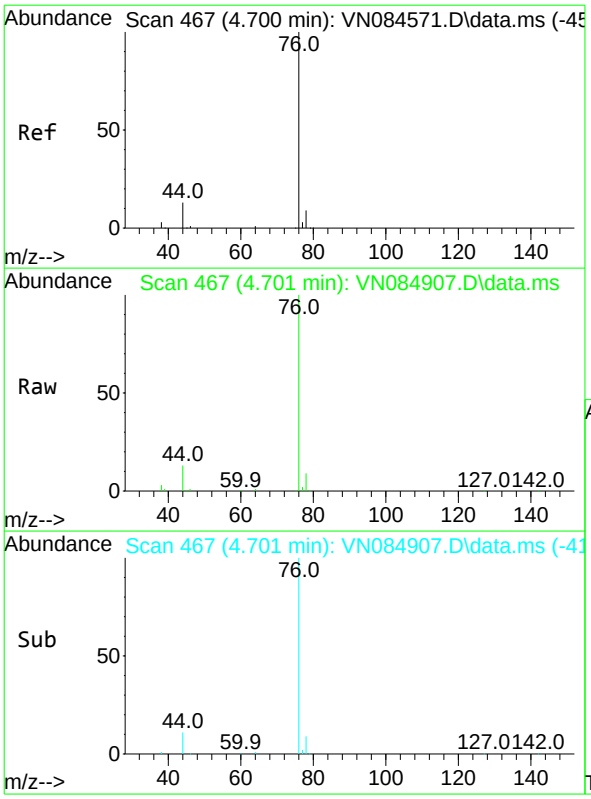


#16
Acetone
Concen: 288.996 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 43 Resp: 169105

Ion	Ratio	Lower	Upper
43	100		
58	32.0	24.4	36.6

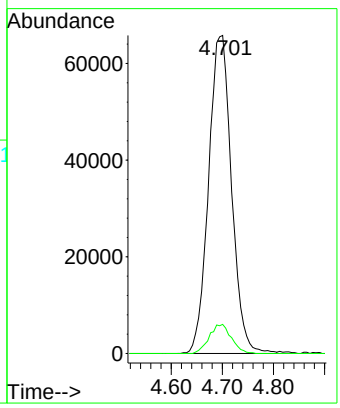




#17
Carbon Disulfide
Concen: 41.692 ug/l
RT: 4.701 min Scan# 46
Delta R.T. -0.011 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 76 Resp: 205382

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9



Instrument :
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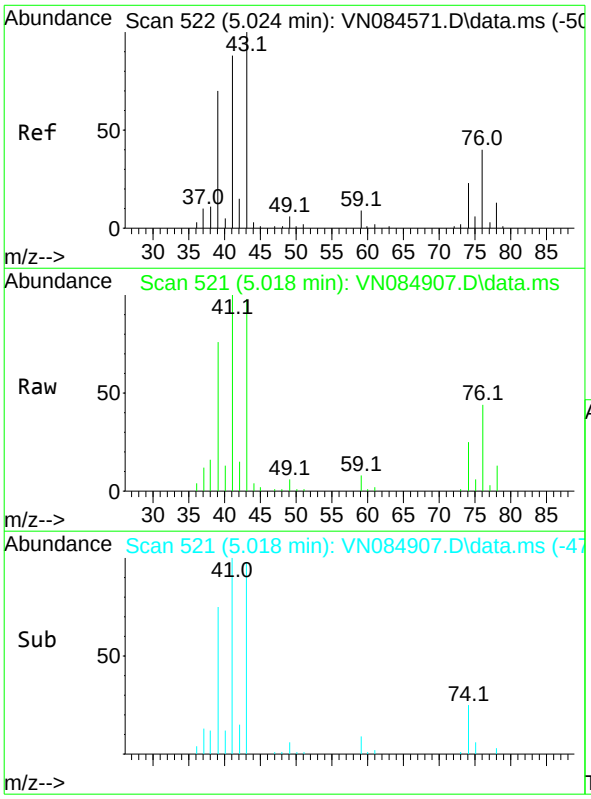
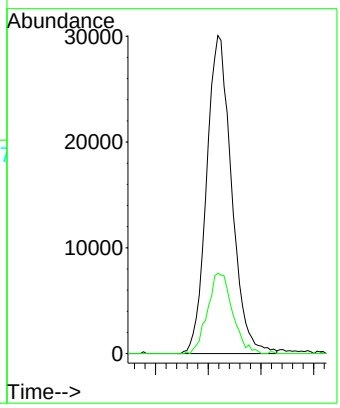
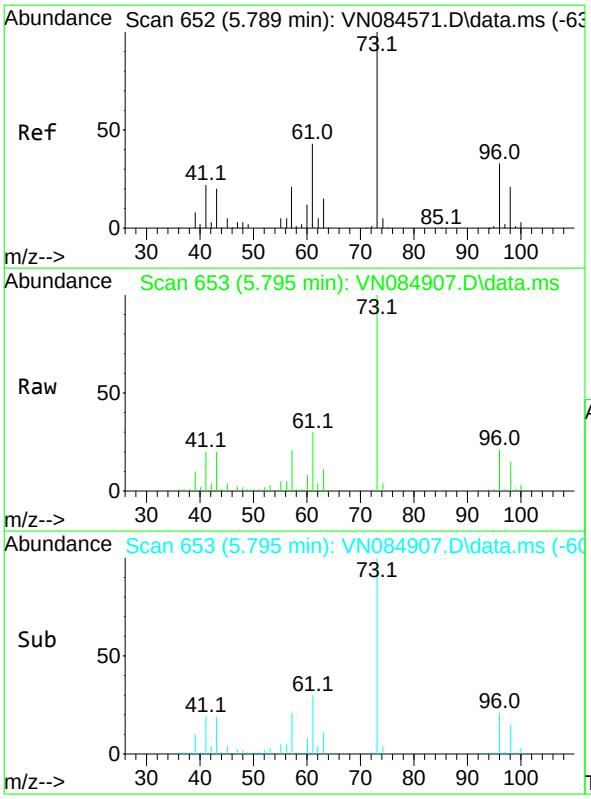


#18
Methyl Acetate
Concen: 45.927 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 43 Resp: 99015

Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.2	28.8

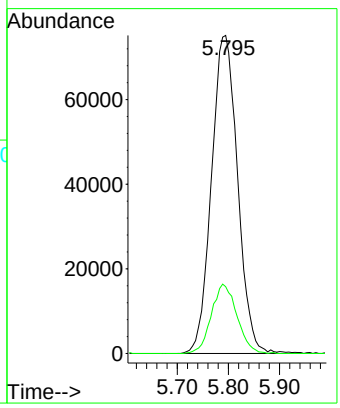




#19
Methyl tert-butyl Ether
Concen: 54.283 ug/l
RT: 5.795 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 73 Resp: 266148

Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.7	26.5



Instrument :
MSVOA_N
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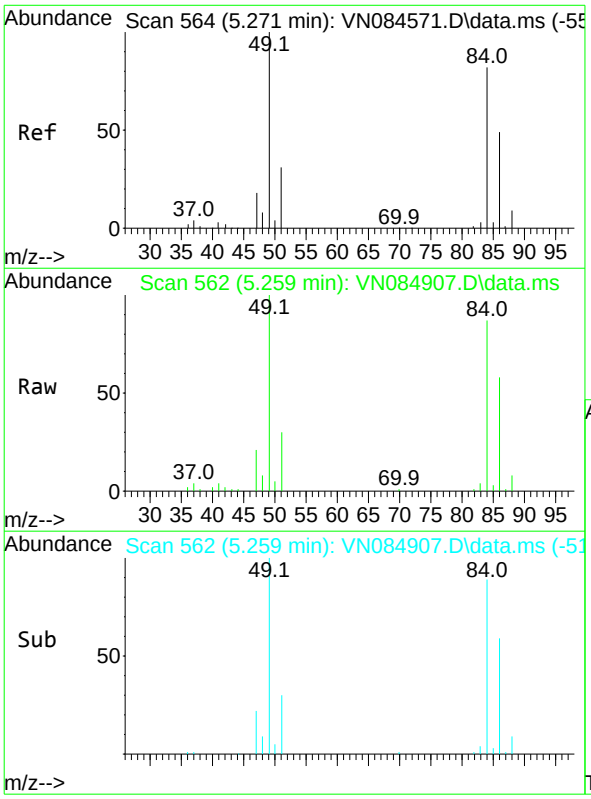
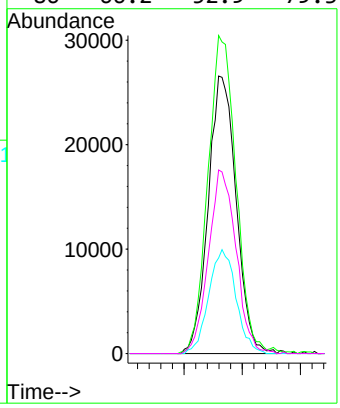
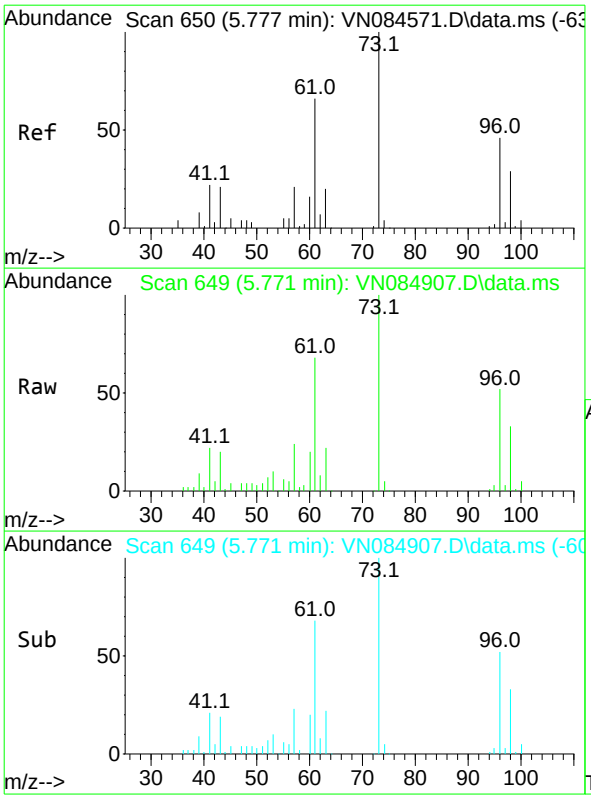


#20
Methylene Chloride
Concen: 49.626 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.018 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 84 Resp: 88552

Ion	Ratio	Lower	Upper
84	100		
49	114.6	107.2	160.8
51	34.5	31.8	47.8
86	66.2	52.9	79.3

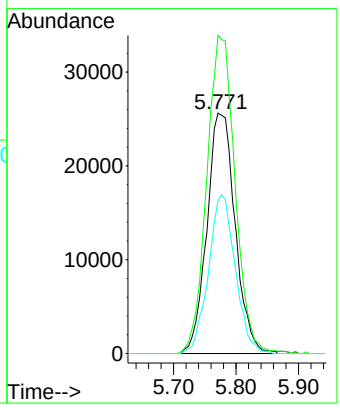




#21
trans-1,2-Dichloroethene
Concen: 48.936 ug/l
RT: 5.771 min Scan# 64
Delta R.T. -0.017 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 96 Resp: 80379

Ion	Ratio	Lower	Upper
96	100		
61	132.3	108.4	162.6
98	63.5	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

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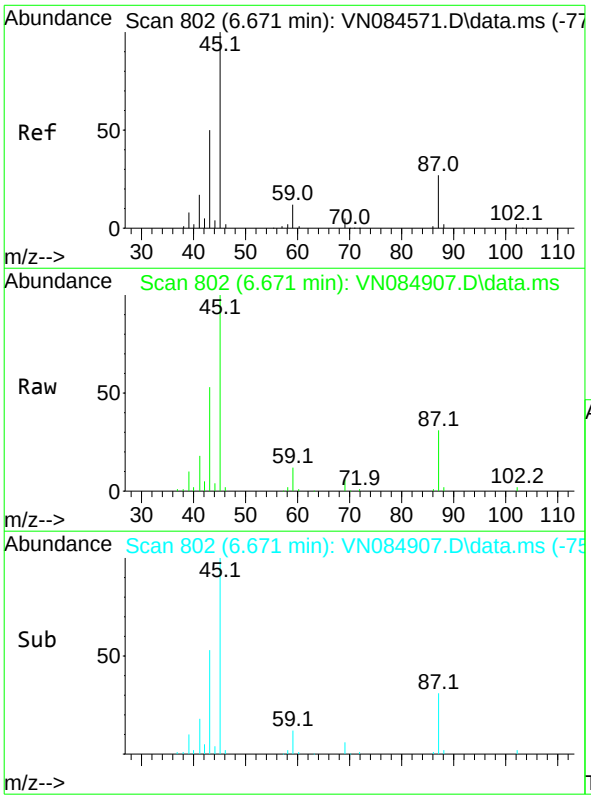
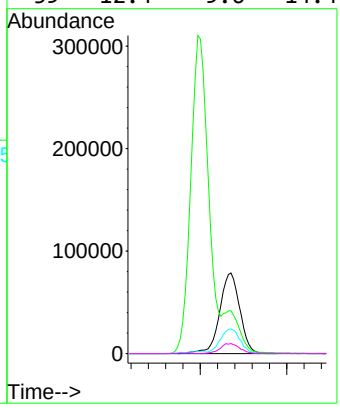
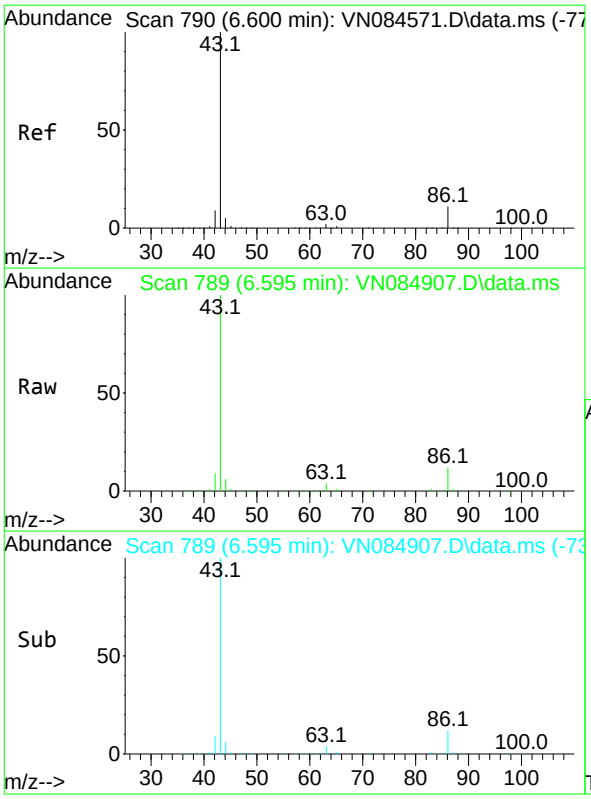


#22
Diisopropyl ether
Concen: 49.431 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 45 Resp: 254803

Ion	Ratio	Lower	Upper
45	100		
43	52.5	42.3	63.5
87	30.5	21.8	32.6
59	12.4	9.6	14.4

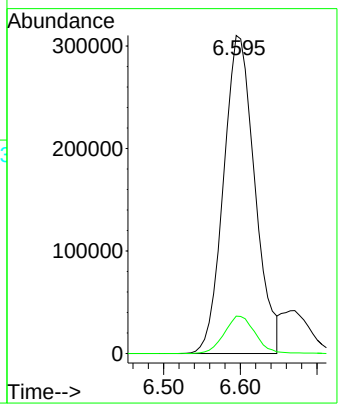




#23
Vinyl Acetate
Concen: 247.324 ug/l
RT: 6.595 min Scan# 78
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 43 Resp: 879170

Ion	Ratio	Lower	Upper
43	100		
86	11.7	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
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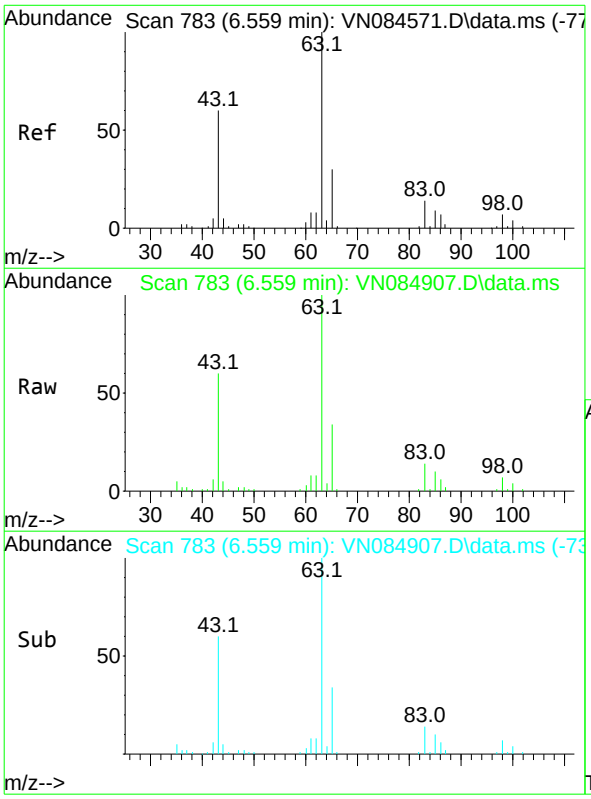
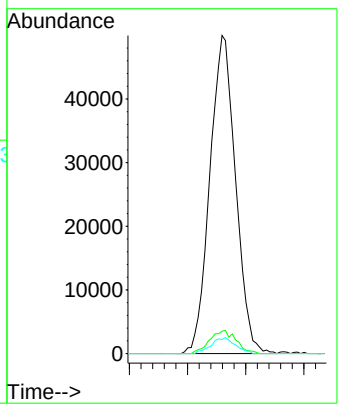
Supervised By :Mahesh Dadoda 11/18/2024

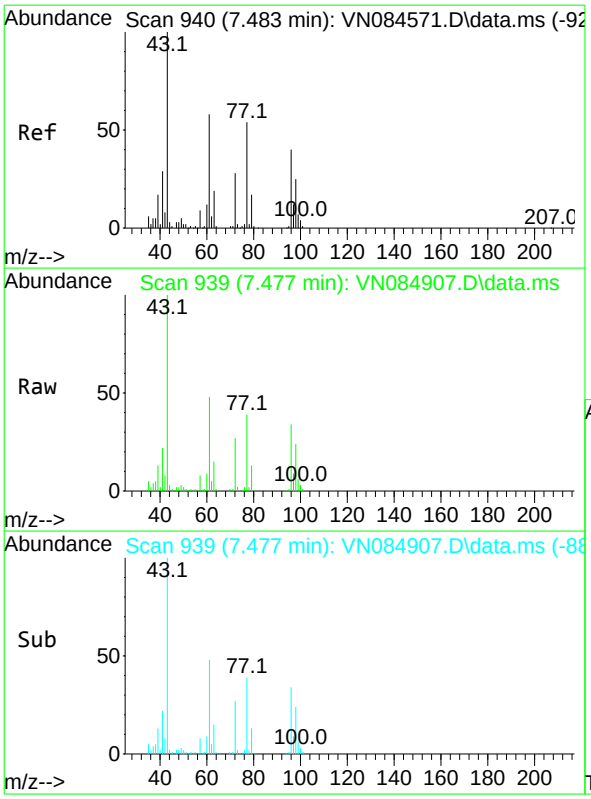


#24
1,1-Dichloroethane
Concen: 49.603 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 63 Resp: 153509

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.2
100	4.4	2.0	5.8

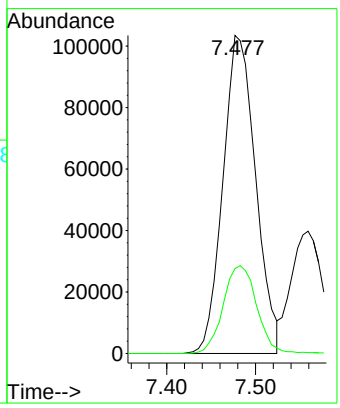




#25
2-Butanone
Concen: 279.833 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 43 Resp: 264864

Ion	Ratio	Lower	Upper
43	100		
72	26.7	21.4	32.2



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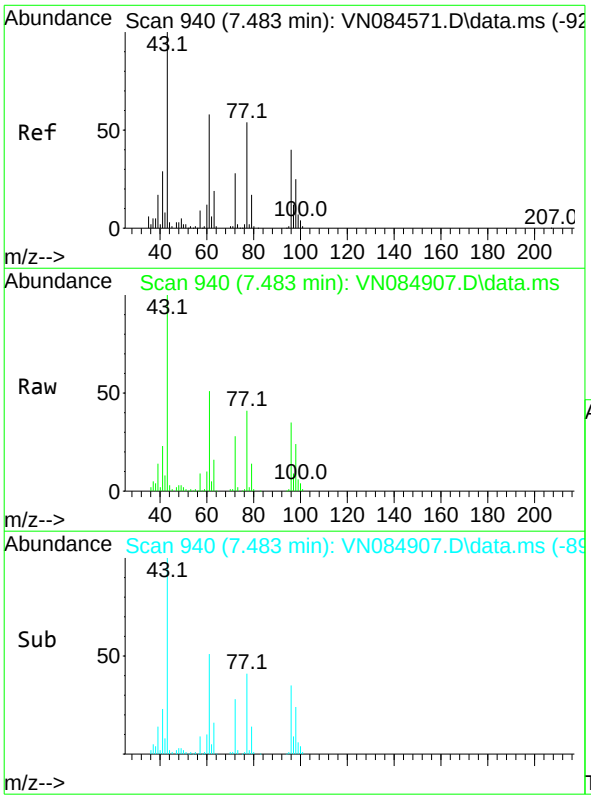
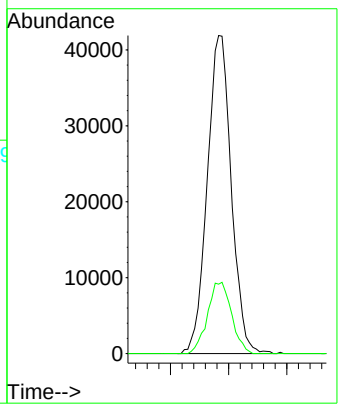
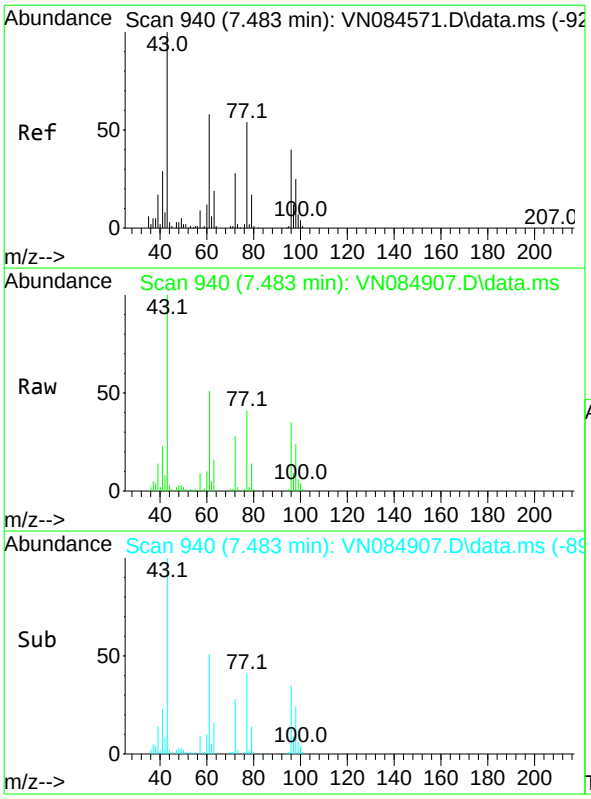


#26
2,2-Dichloropropane
Concen: 44.620 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 77 Resp: 120188

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.8	32.3

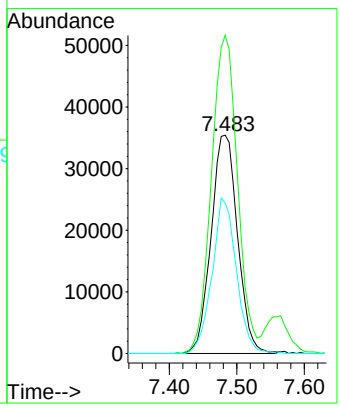




#27
cis-1,2-Dichloroethene
Concen: 50.342 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 96 Resp: 96552

Ion	Ratio	Lower	Upper
96	100		
61	143.3	0.0	301.8
98	65.4	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
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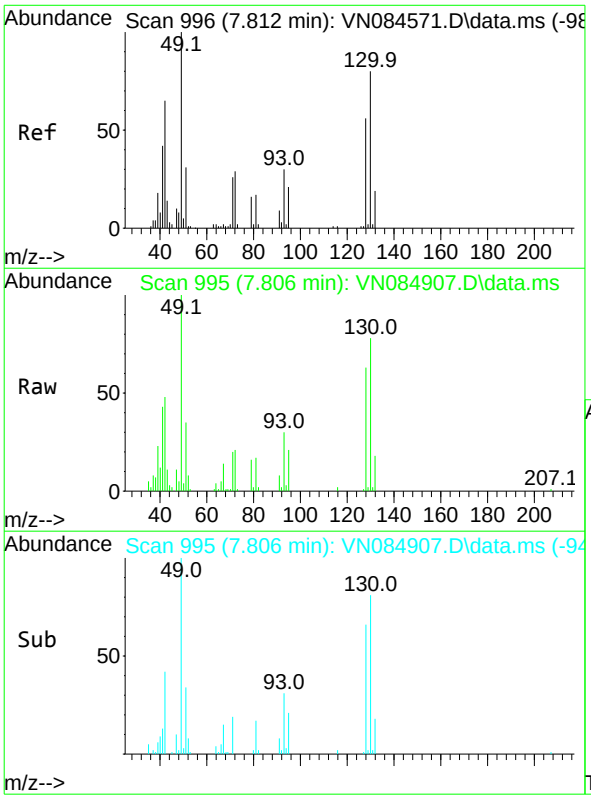
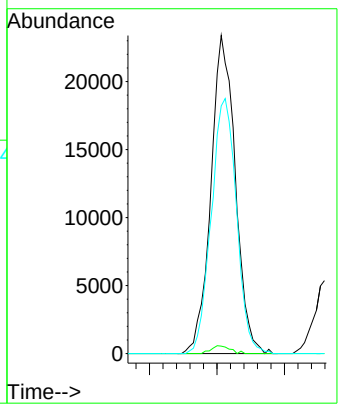
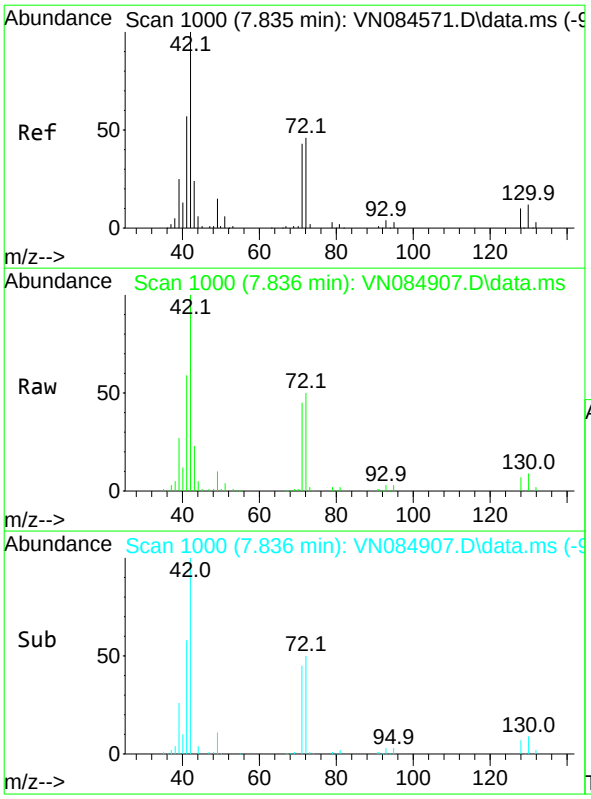


#28
Bromochloromethane
Concen: 47.668 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 49 Resp: 58774

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	82.8	58.0	87.0

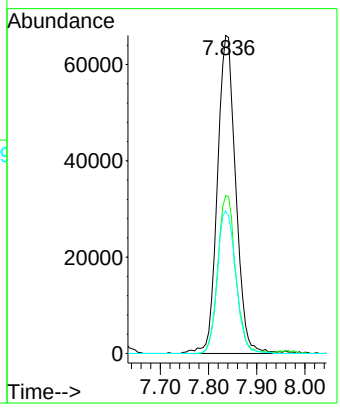




#29
Tetrahydrofuran
Concen: 277.081 ug/l
RT: 7.836 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 42 Resp: 173987

Ion	Ratio	Lower	Upper
42	100		
72	48.4	34.6	51.8
71	45.3	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
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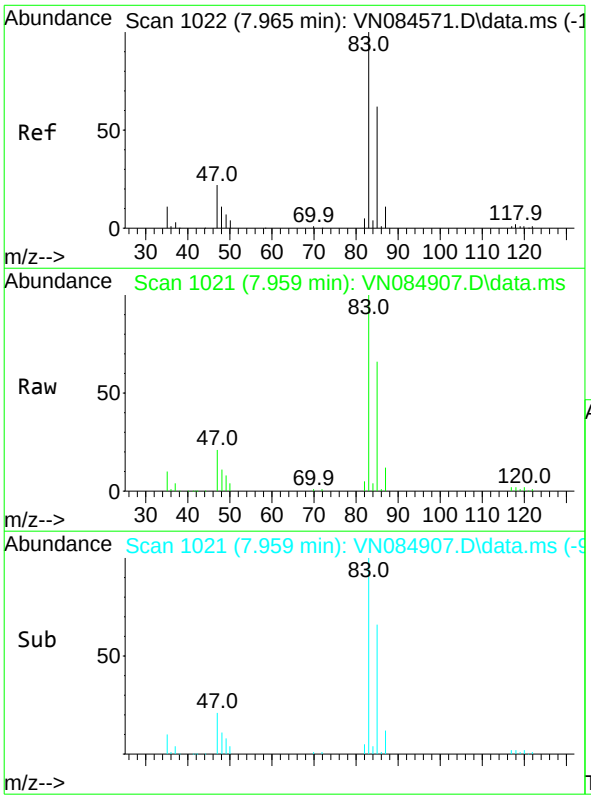
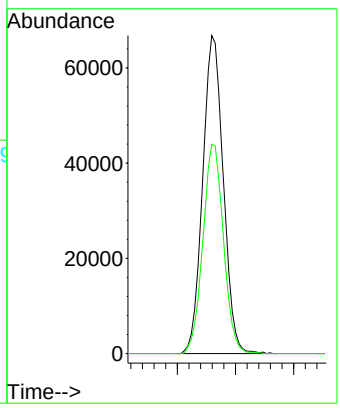
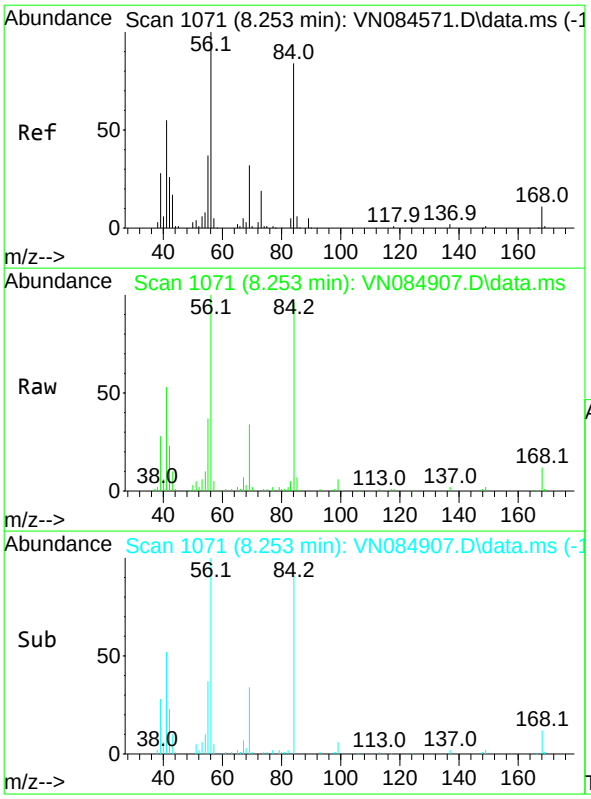


#30
Chloroform
Concen: 52.167 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 83 Resp: 164319

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.0	76.4

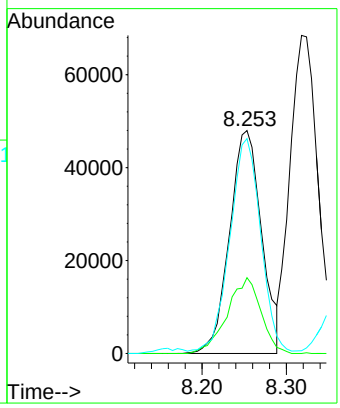




#31
Cyclohexane
Concen: 45.270 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 56 Resp: 126802

Ion	Ratio	Lower	Upper
56	100		
69	34.0	23.8	35.6
84	94.2	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

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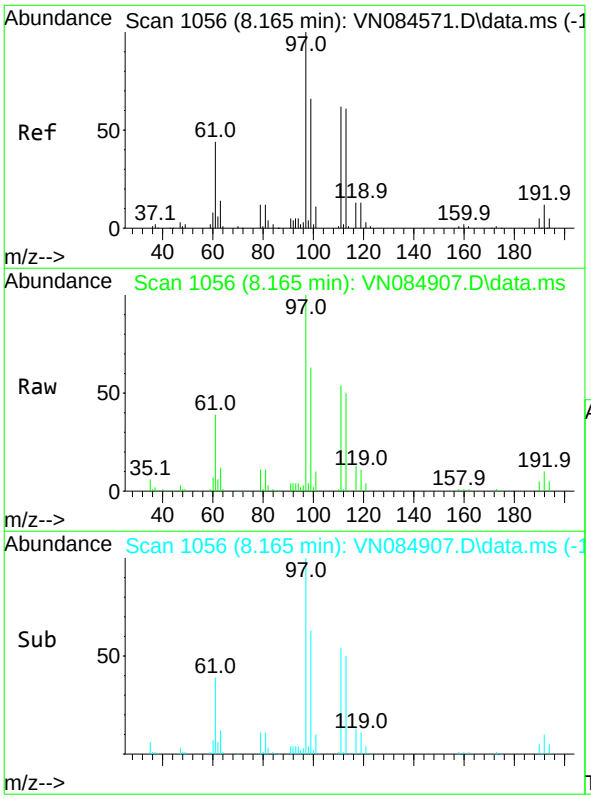
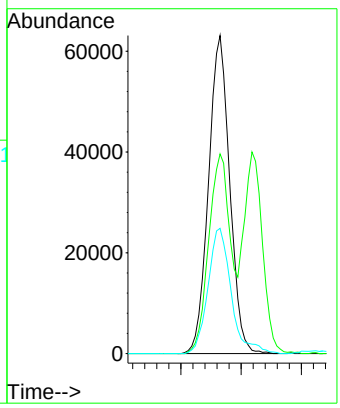
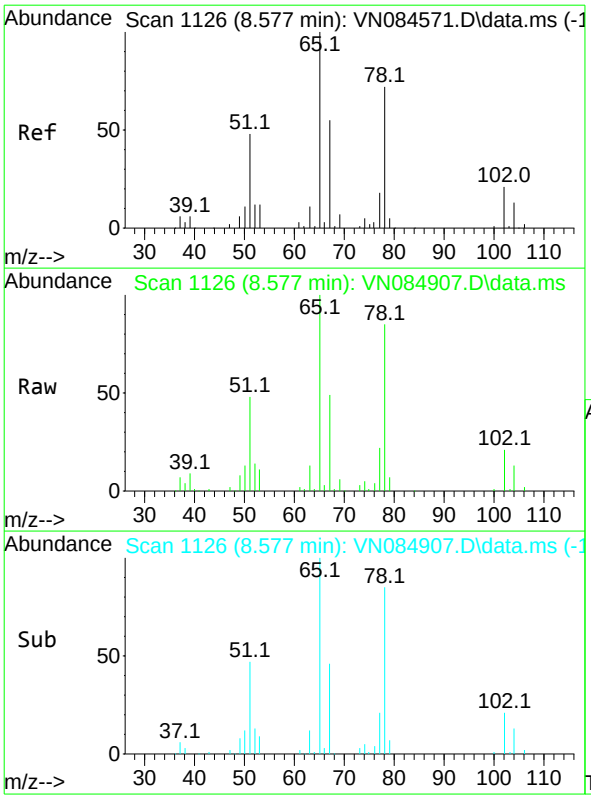


#32
1,1,1-Trichloroethane
Concen: 53.793 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 97 Resp: 154221

Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.2	76.8
61	43.0	37.5	56.3

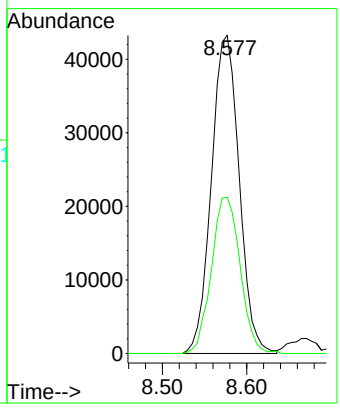




#33
1,2-Dichloroethane-d4
Concen: 48.809 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 65 Resp: 99024

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
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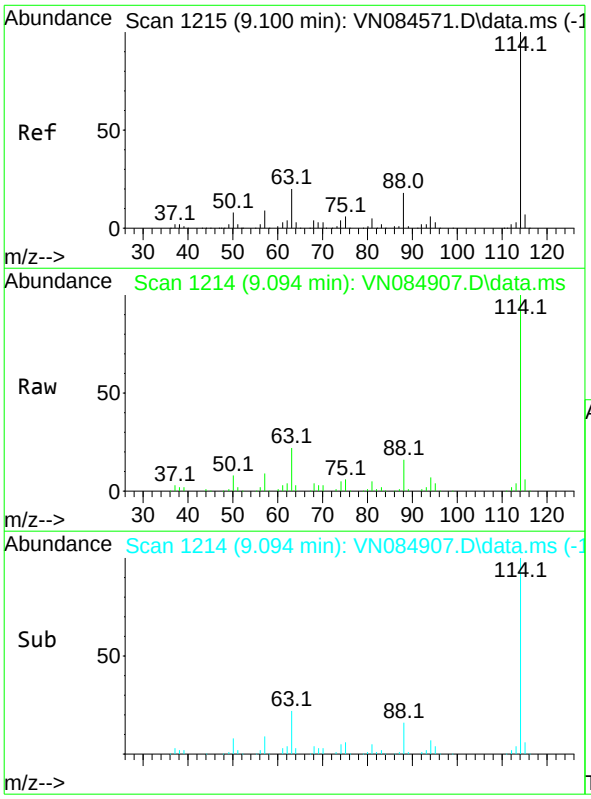
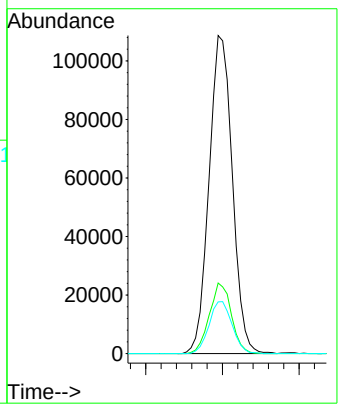
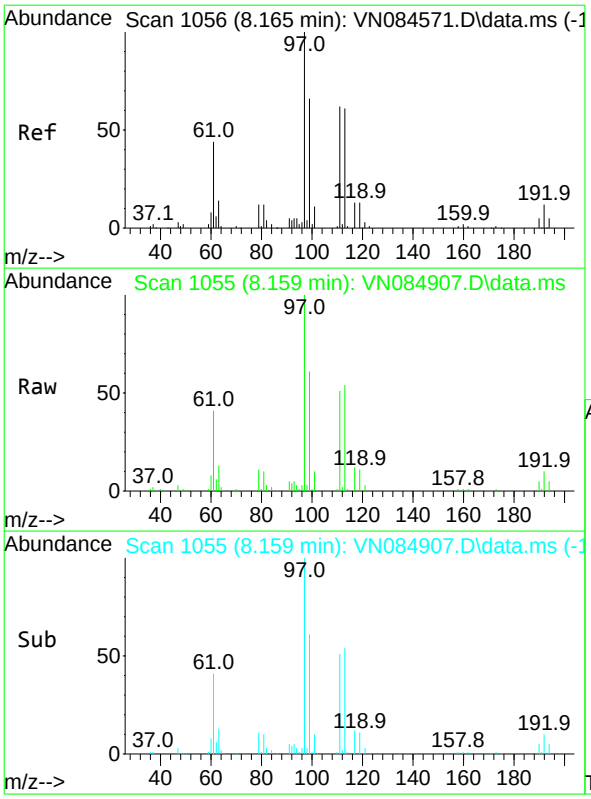


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:114 Resp: 229039

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	43.8
88	16.3	0.0	31.6

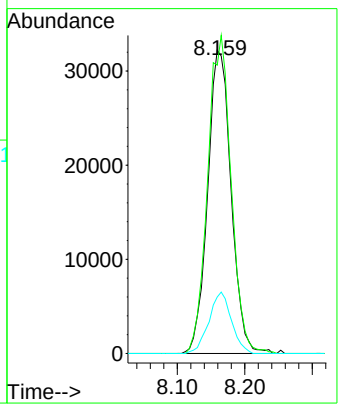




#35
Dibromofluoromethane
Concen: 50.192 ug/l
RT: 8.159 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:113 Resp: 77814

Ion	Ratio	Lower	Upper
113	100		
111	104.9	83.3	124.9
192	19.5	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
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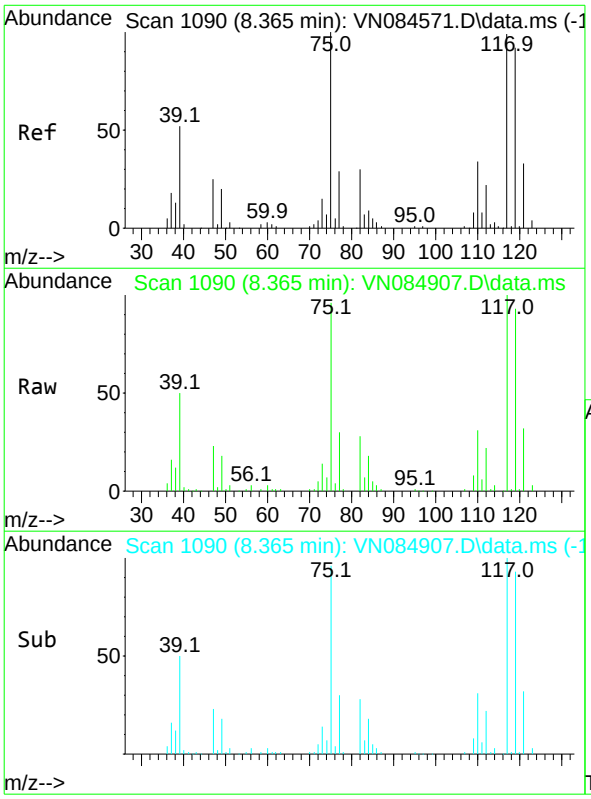
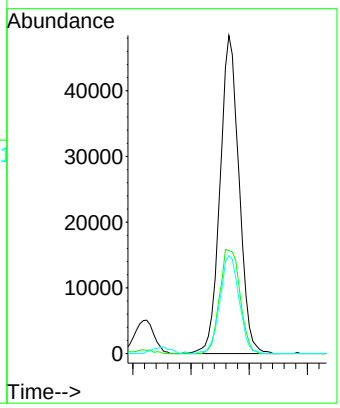
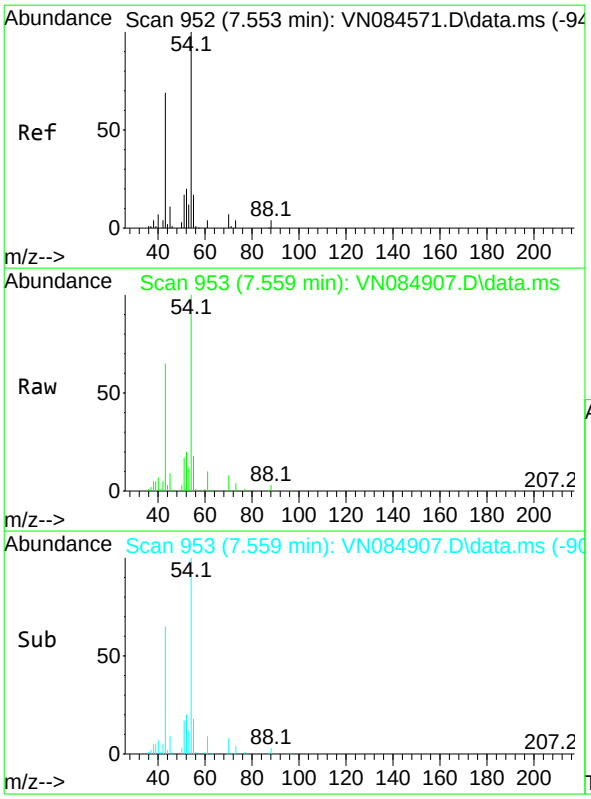


#36
1,1-Dichloropropene
Concen: 51.039 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 75 Resp: 109740

Ion	Ratio	Lower	Upper
75	100		
110	35.1	16.9	50.7
77	31.2	24.7	37.1

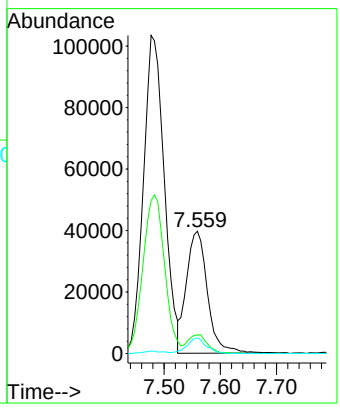




#37
Ethyl Acetate
Concen: 52.906 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 43 Resp: 103208

Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.7	16.1
70	11.5	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
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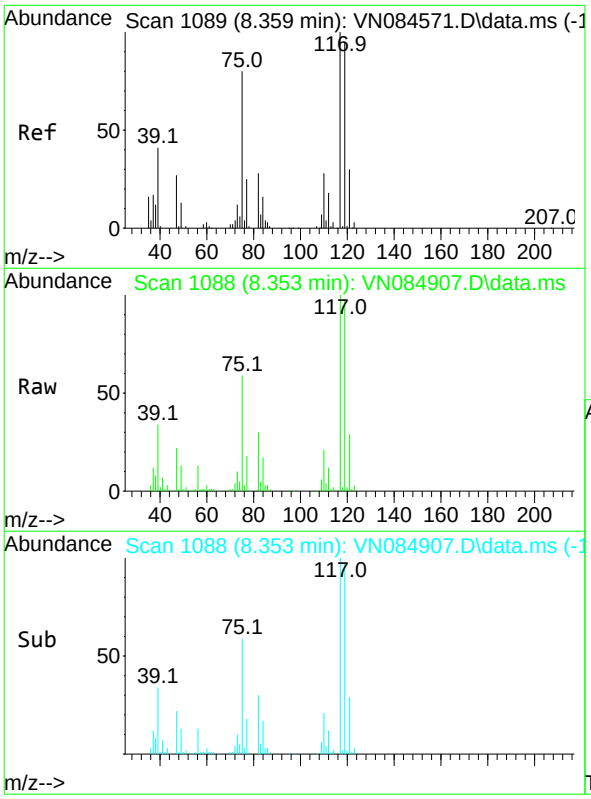
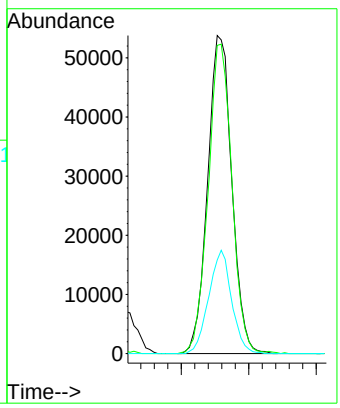
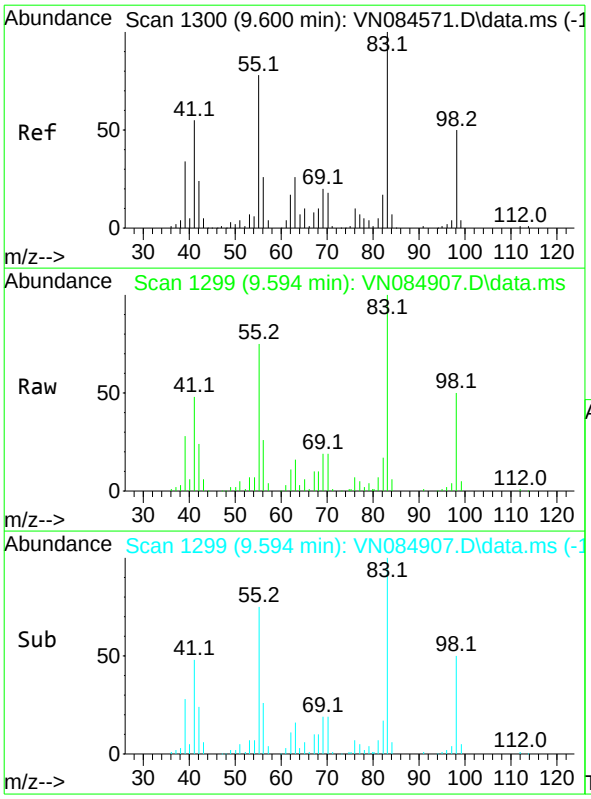


#38
Carbon Tetrachloride
Concen: 55.660 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:117 Resp: 133766

Ion	Ratio	Lower	Upper
117	100		
119	96.9	78.7	118.1
121	29.4	24.4	36.6

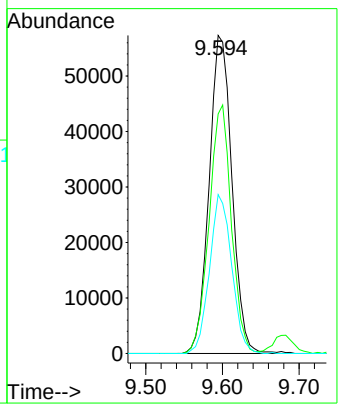




#39
Methylcyclohexane
Concen: 54.109 ug/l
RT: 9.594 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 83 Resp: 118355

Ion	Ratio	Lower	Upper
83	100		
55	75.3	62.8	94.2
98	50.0	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

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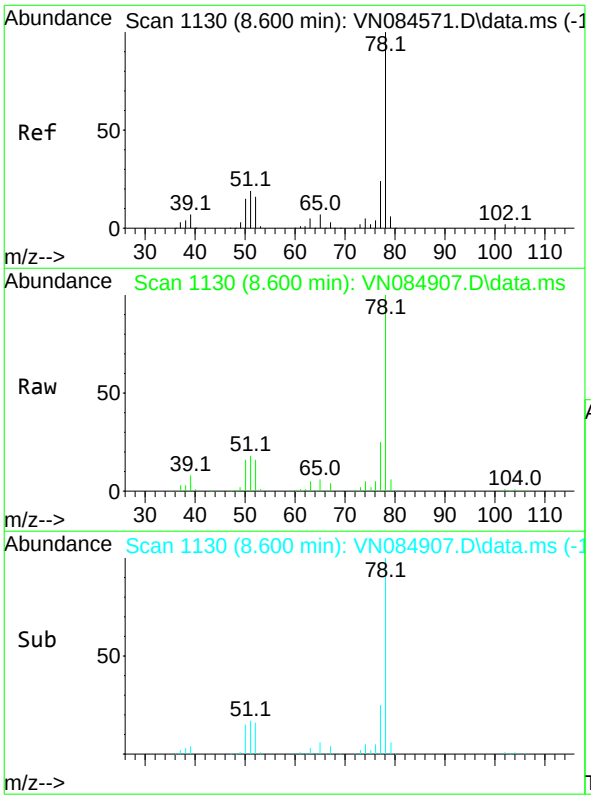
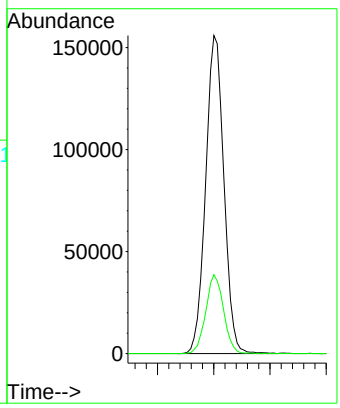
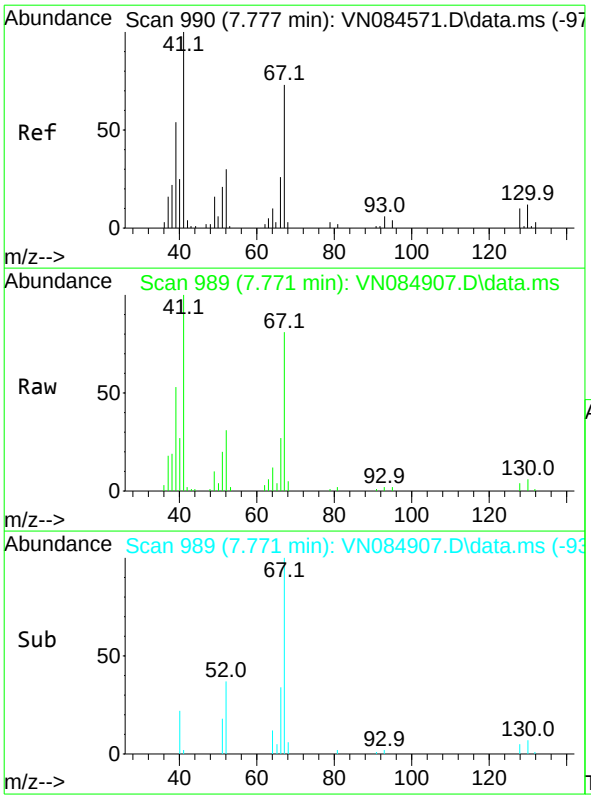


#40
Benzene
Concen: 50.867 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 78 Resp: 351234

Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.1	28.7

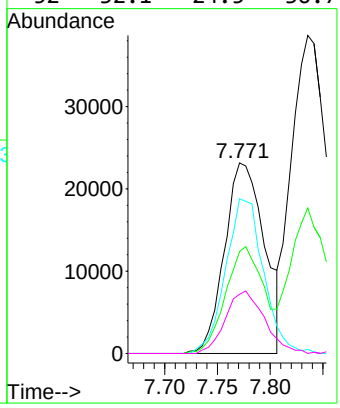




#41
Methacrylonitrile
Concen: 58.131 ug/l
RT: 7.771 min Scan# 98
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 41 Resp: 60982

Ion	Ratio	Lower	Upper
41	100		
39	51.8	43.3	64.9
67	76.9	56.1	84.1
52	32.1	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
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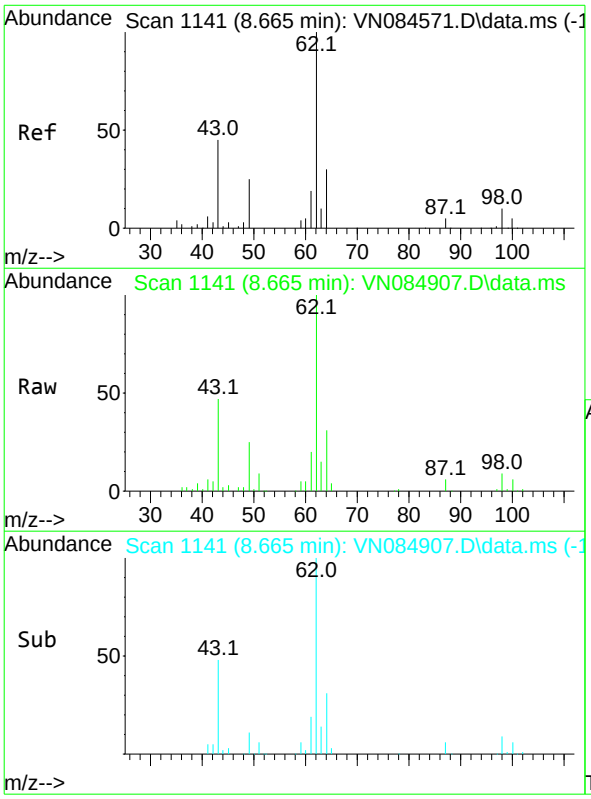
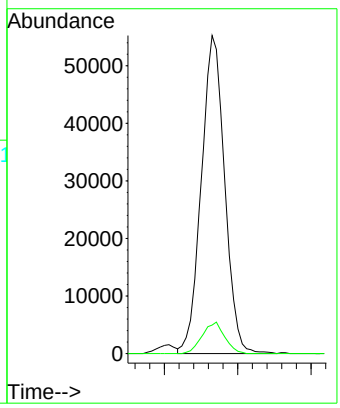
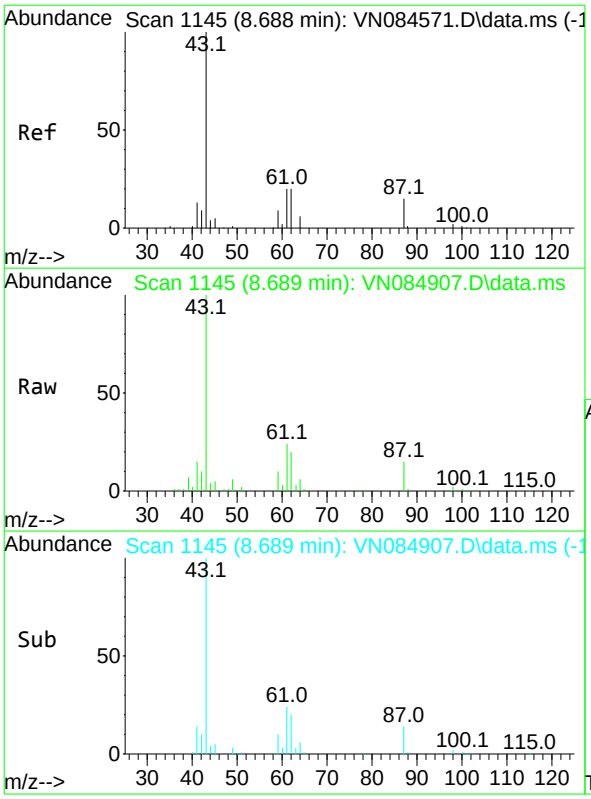


#42
1,2-Dichloroethane
Concen: 54.685 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 62 Resp: 122288

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2





#43
Isopropyl Acetate
Concen: 50.933 ug/l
RT: 8.689 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 43 Resp: 183494

Ion	Ratio	Lower	Upper
43	100		
61	27.3	20.4	30.6
87	13.8	10.3	15.5

Instrument :
MSVOA_N
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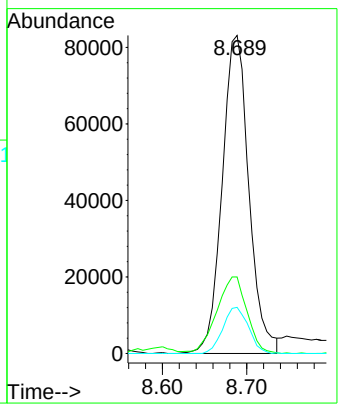
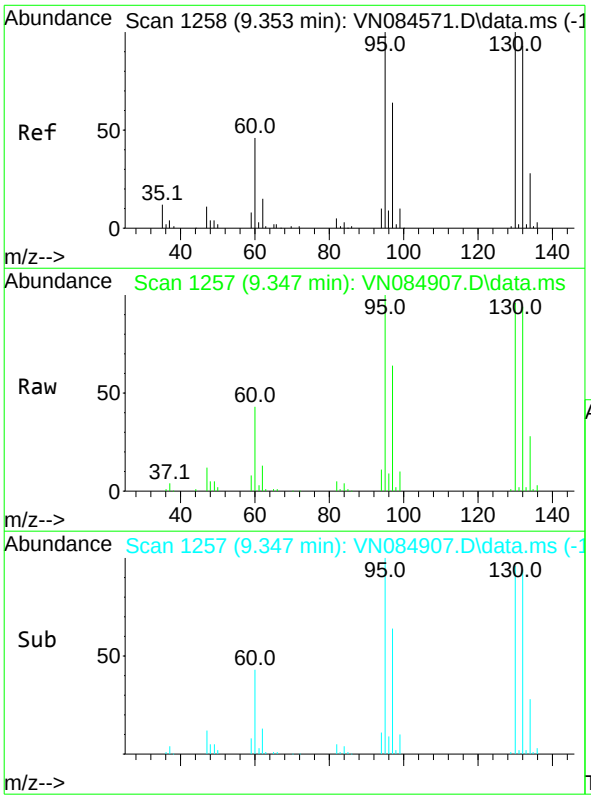
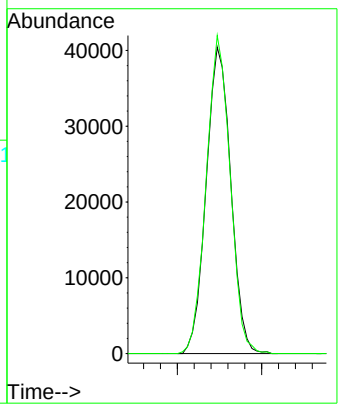


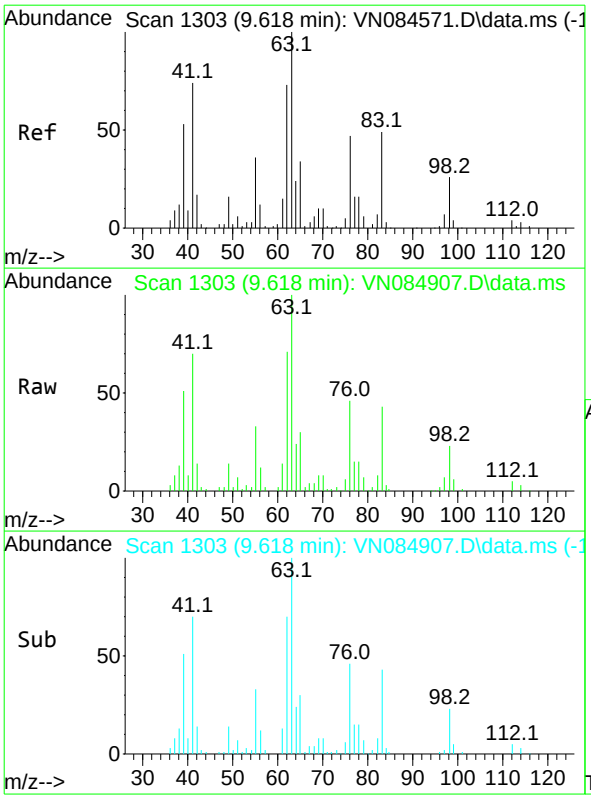


#44
Trichloroethene
Concen: 51.512 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:130 Resp: 82031

Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	203.0

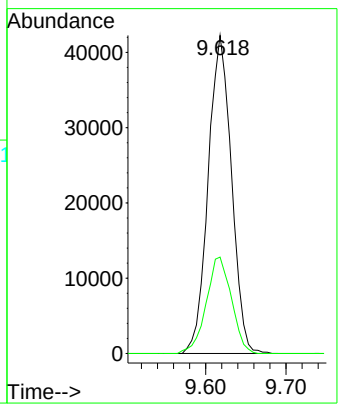




#45
1,2-Dichloropropane
Concen: 52.506 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 63 Resp: 85048

Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
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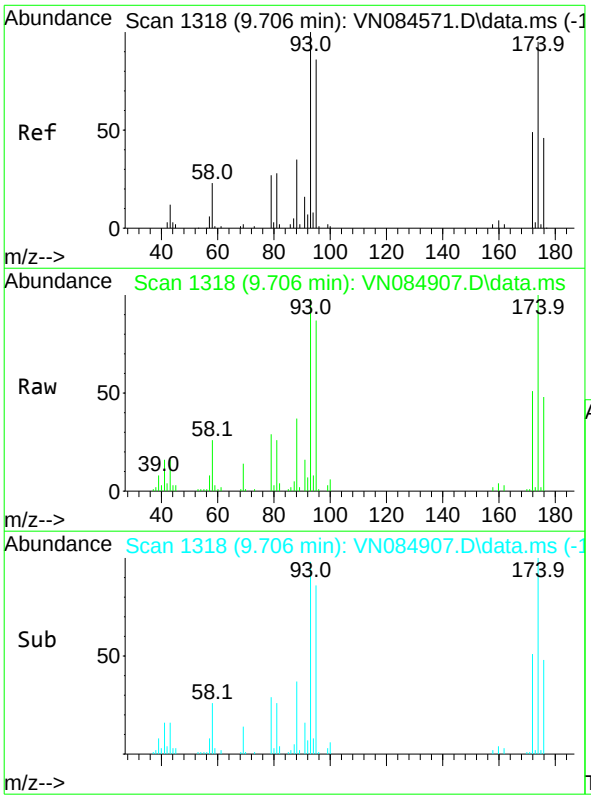
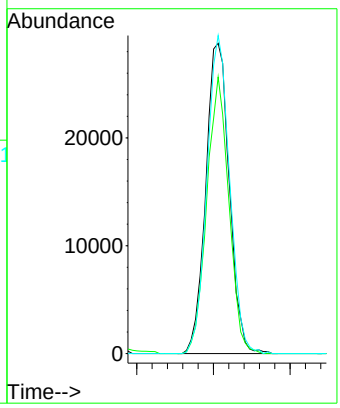
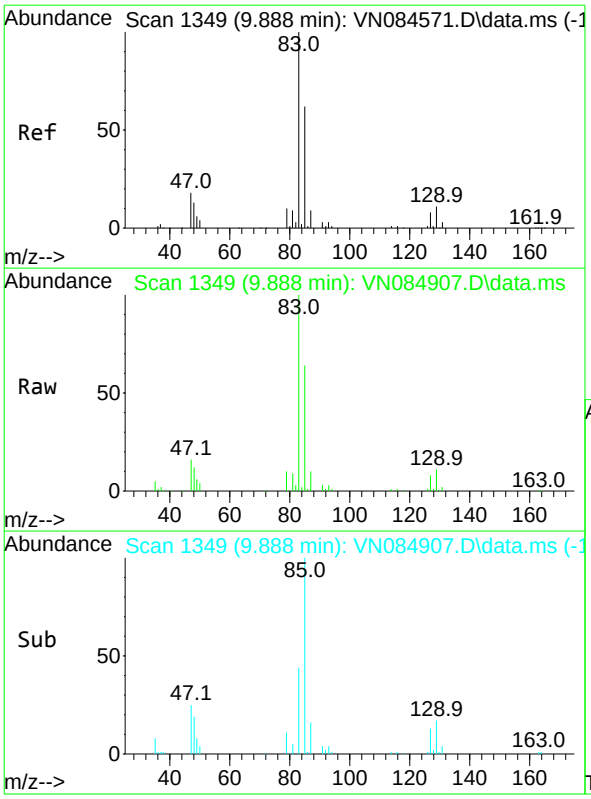


#46
Dibromomethane
Concen: 53.618 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 93 Resp: 61284

Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.0	97.4
174	98.9	71.8	107.8

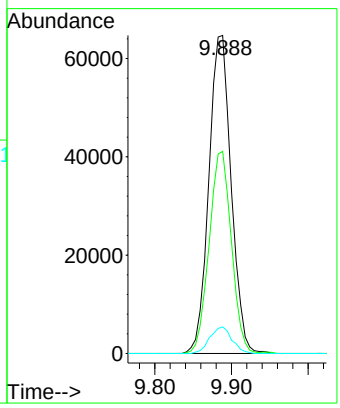




#47
Bromodichloromethane
Concen: 54.260 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 83 Resp: 130729

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.5	77.3
127	8.4	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
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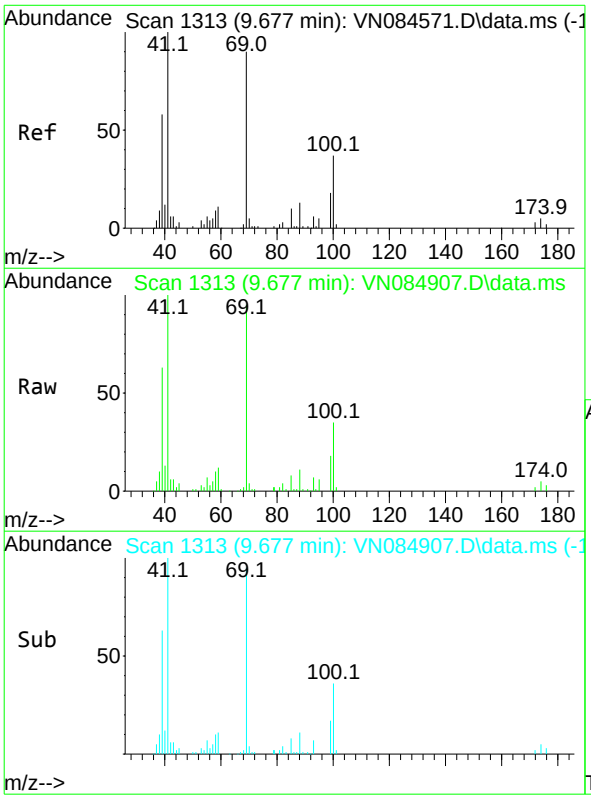
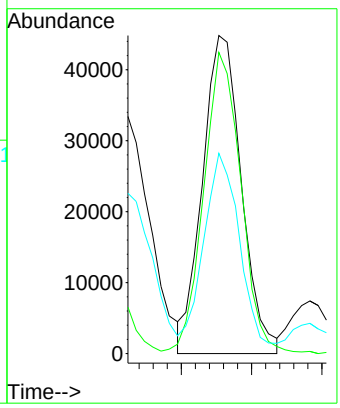
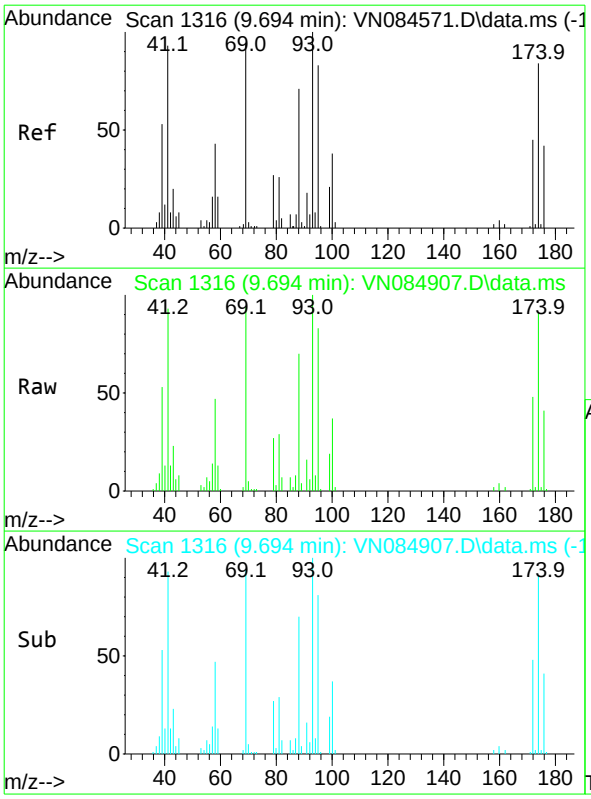


#48
Methyl methacrylate
Concen: 56.883 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 41 Resp: 86362

Ion	Ratio	Lower	Upper
41	100		
69	90.8	67.1	100.7
39	59.4	45.8	68.6

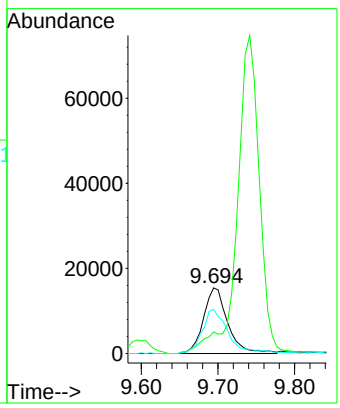




#49
1,4-Dioxane
Concen: 1252.193 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 88 Resp: 33689

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	73.0	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
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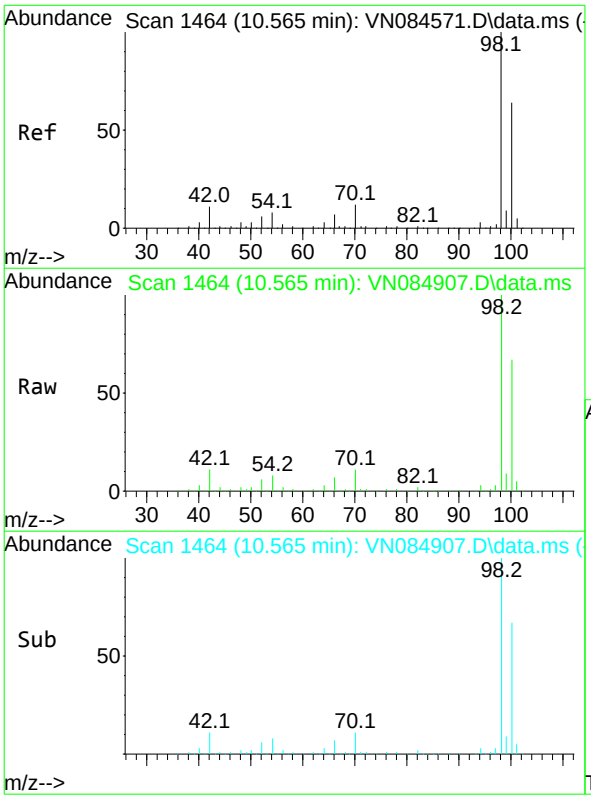
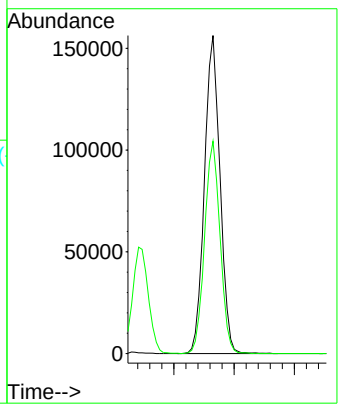
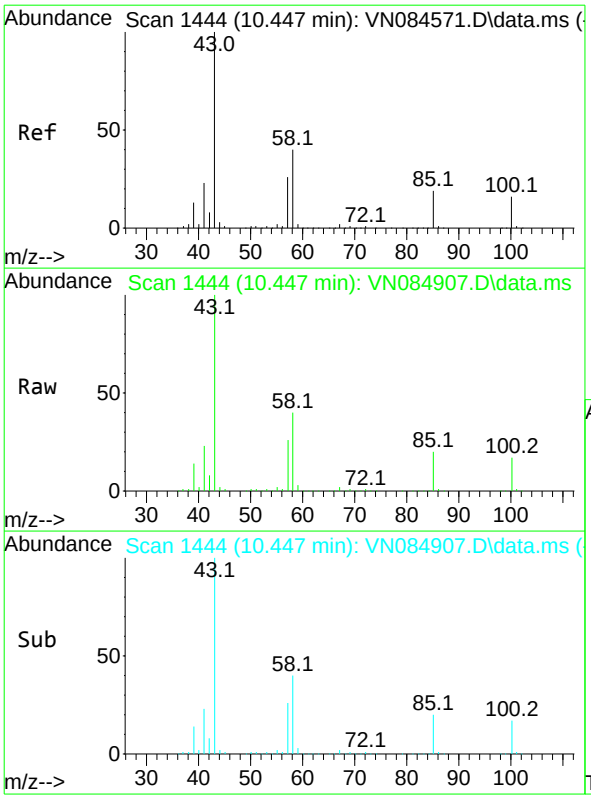


#50
Toluene-d8
Concen: 49.122 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 98 Resp: 280529

Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.7	79.1

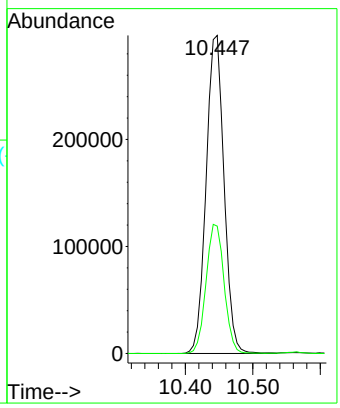




#51
4-Methyl-2-Pentanone
Concen: 294.185 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 43 Resp: 547087

Ion	Ratio	Lower	Upper
43	100		
58	41.0	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
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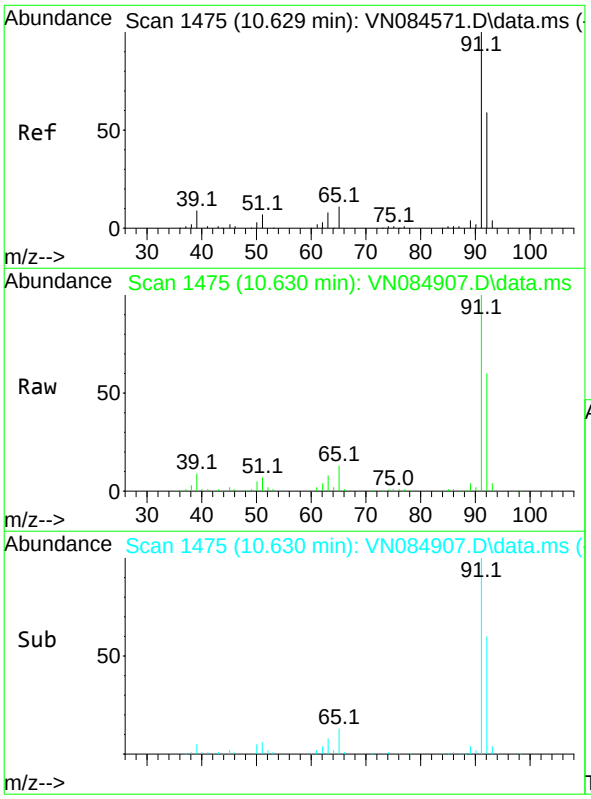
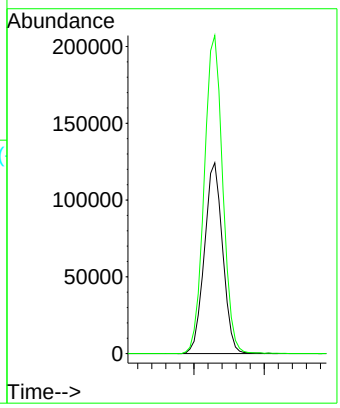
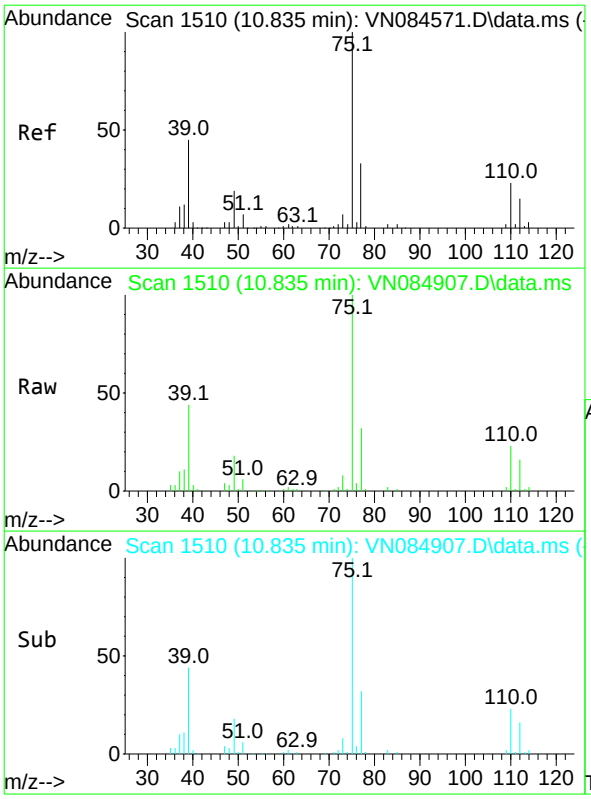


#52
Toluene
Concen: 55.339 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 92 Resp: 223480

Ion	Ratio	Lower	Upper
92	100		
91	169.4	137.3	205.9

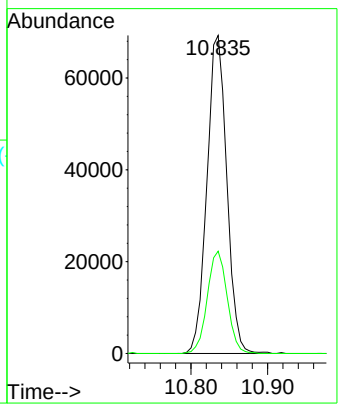




#53
t-1,3-Dichloropropene
Concen: 49.979 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 75 Resp: 124643

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
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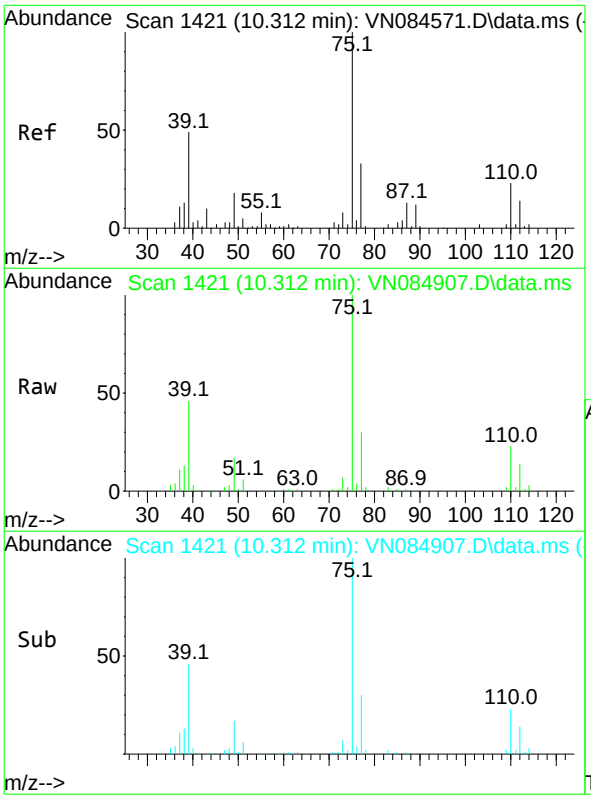
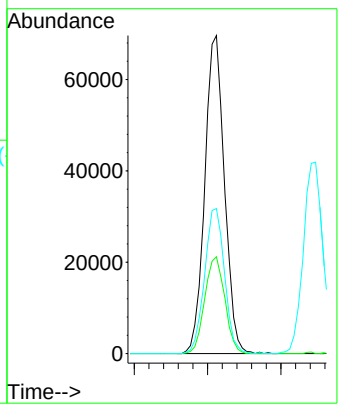
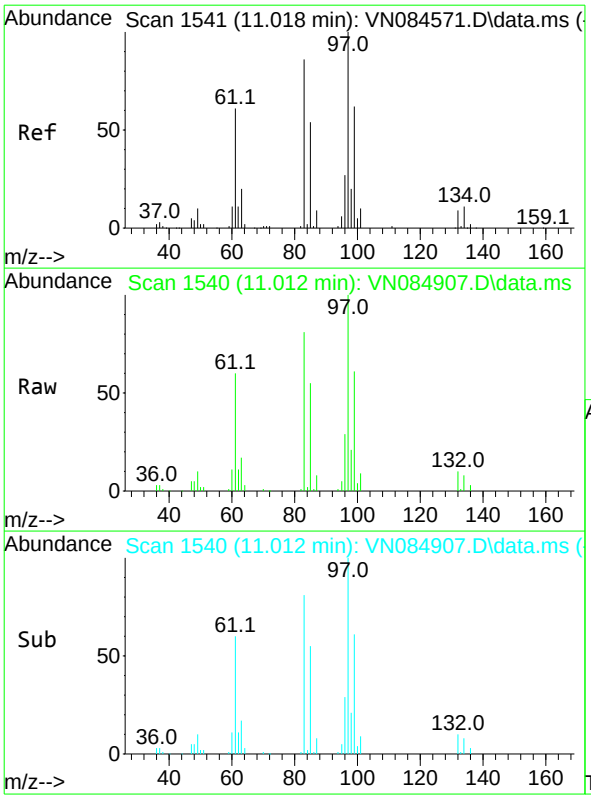


#54
cis-1,3-Dichloropropene
Concen: 49.104 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 75 Resp: 129610

Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.2	36.2
39	45.6	38.7	58.1

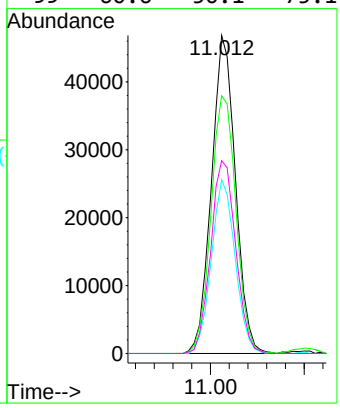




#55
1,1,2-Trichloroethane
Concen: 54.587 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 97 Resp: 83037

Ion	Ratio	Lower	Upper
97	100		
83	81.0	71.0	106.4
85	54.6	41.7	62.5
99	60.6	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
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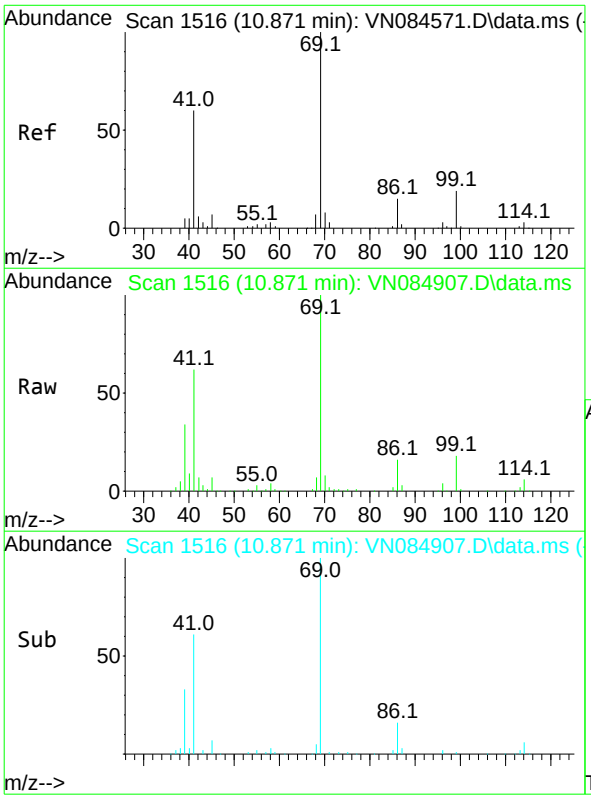
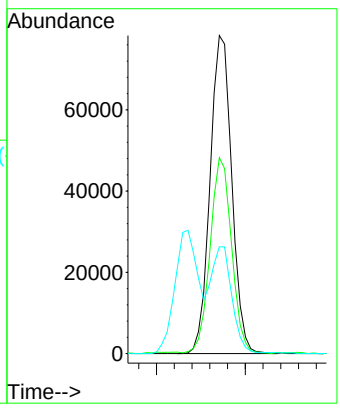
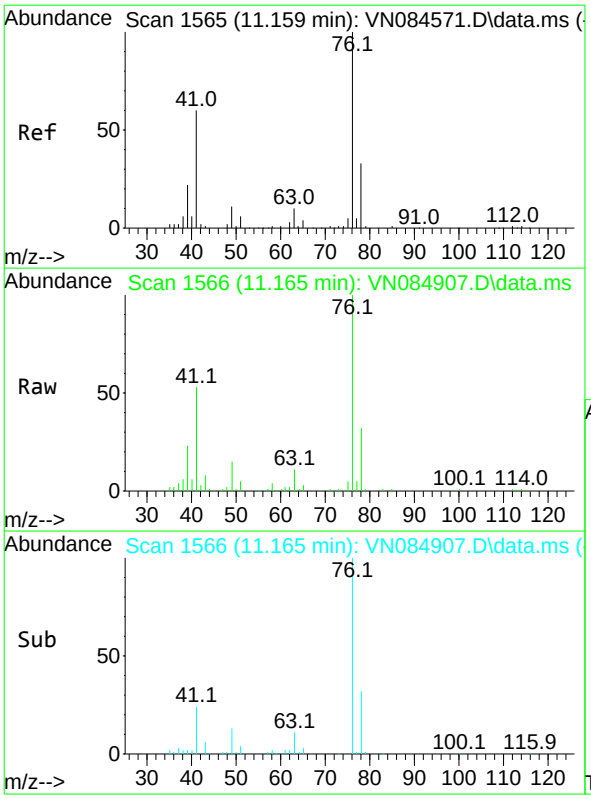


#56
Ethyl methacrylate
Concen: 60.379 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 69 Resp: 132855

Ion	Ratio	Lower	Upper
69	100		
41	61.2	53.3	79.9
39	33.4	28.8	43.2

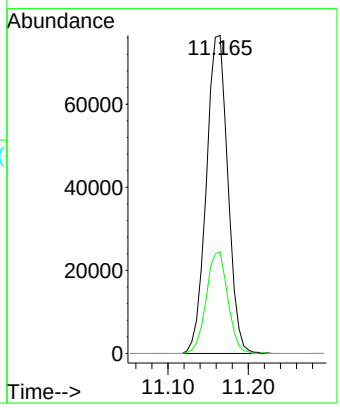




#57
1,3-Dichloropropane
Concen: 54.465 ug/l
RT: 11.165 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 76 Resp: 142194

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

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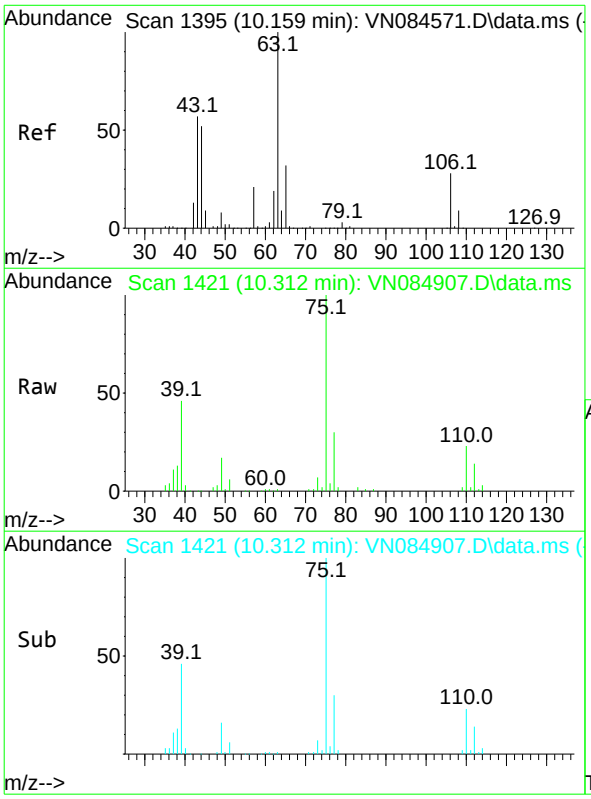
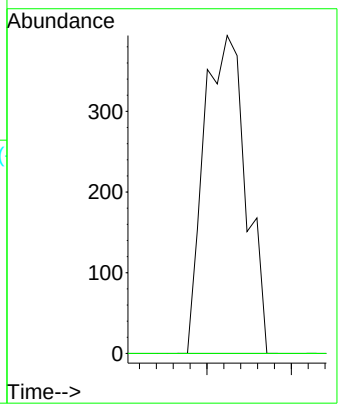
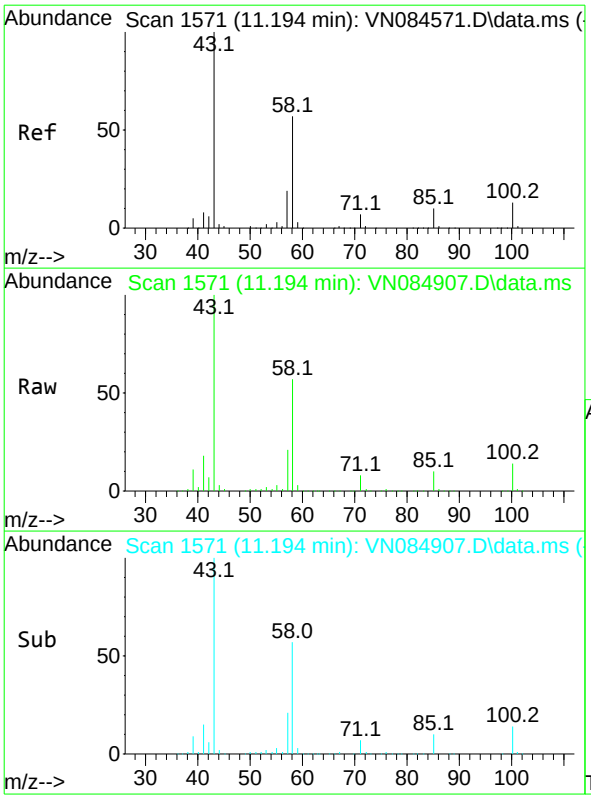


#58
2-Chloroethyl Vinyl ether
Concen: 0.658 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.153 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 63 Resp: 678

Ion	Ratio	Lower	Upper
63	100		
106	0.0	21.8	32.6#

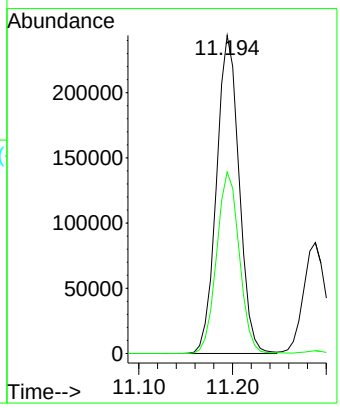




#59
2-Hexanone
Concen: 301.554 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 43 Resp: 408191

Ion	Ratio	Lower	Upper
43	100		
58	57.2	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
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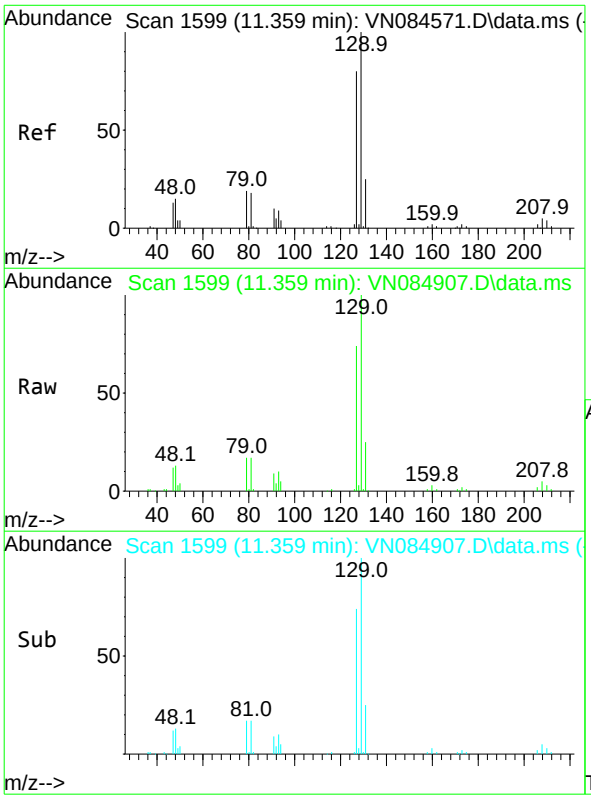
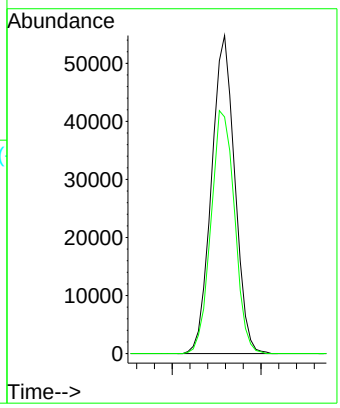
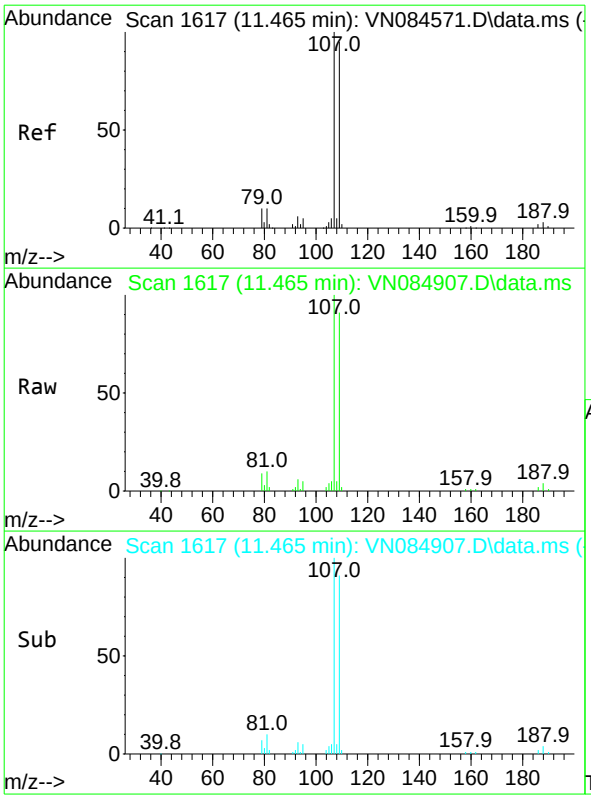


#60
Dibromochloromethane
Concen: 57.614 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:129 Resp: 99887

Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.3	114.9

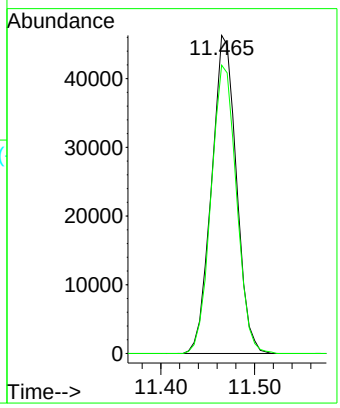




#61
1,2-Dibromoethane
Concen: 54.653 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:107 Resp: 85137

Ion	Ratio	Lower	Upper
107	100		
109	92.7	75.4	113.0



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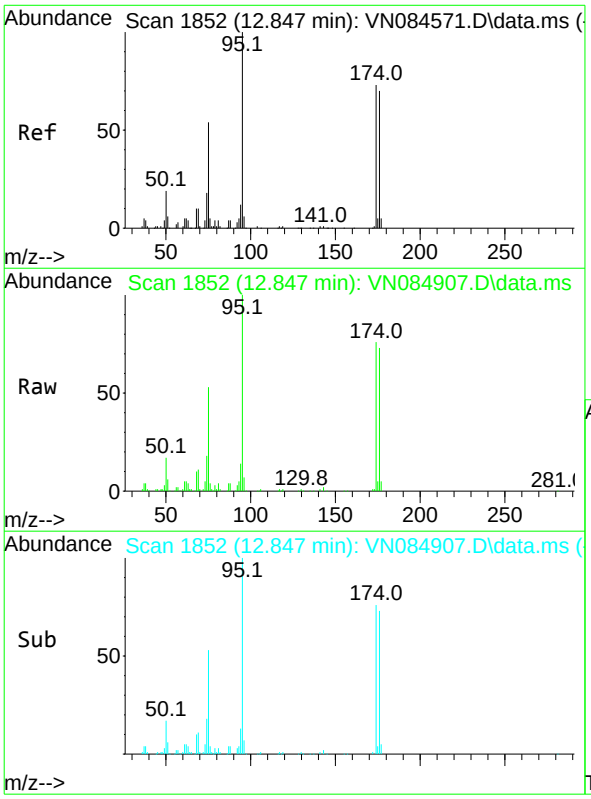
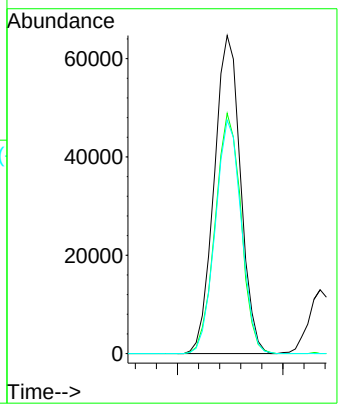
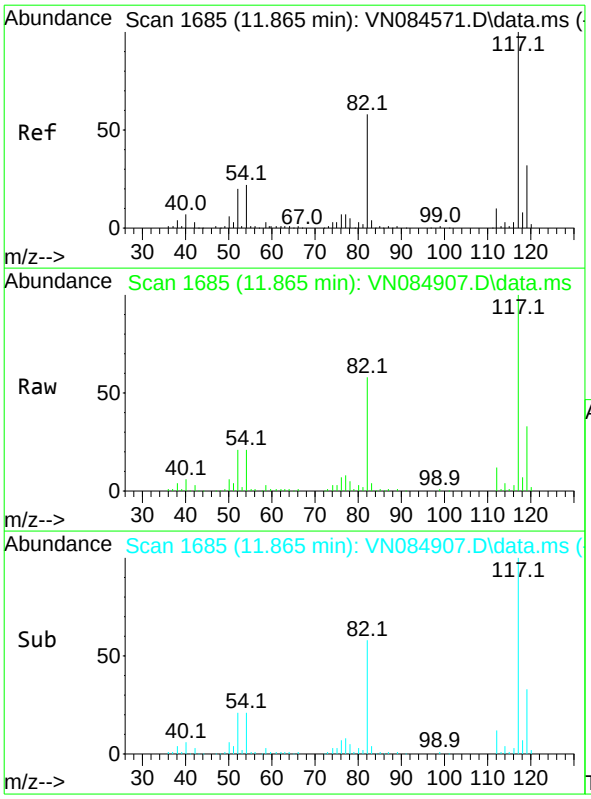


#62
4-Bromofluorobenzene
Concen: 52.663 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 95 Resp: 112401

Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	145.2
176	72.6	0.0	140.0

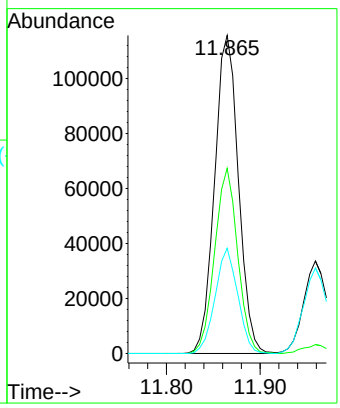




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:117 Resp: 204228

Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.2	70.8
119	33.1	25.4	38.0



Instrument :
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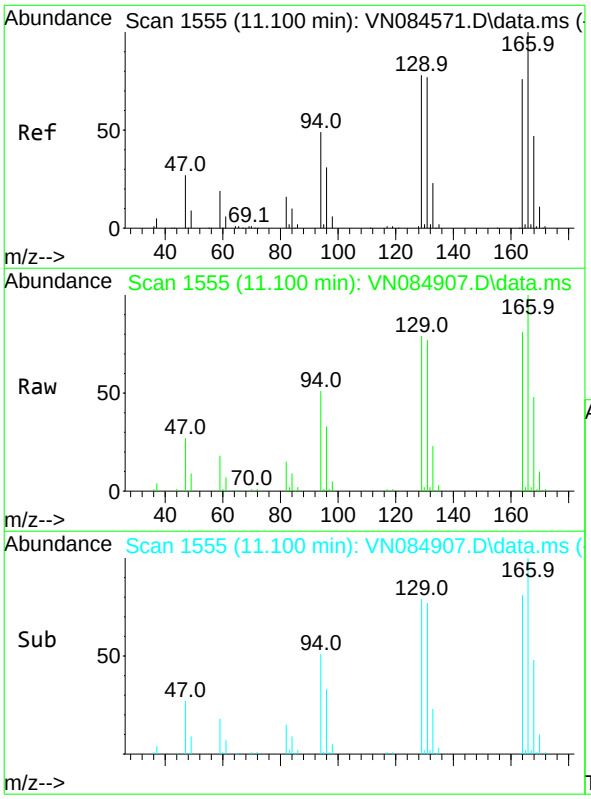
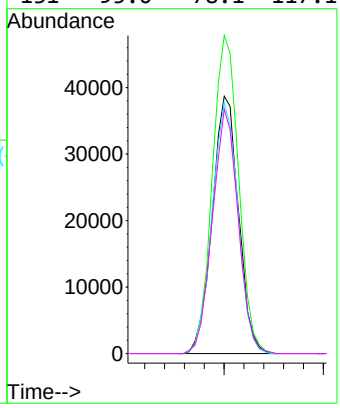
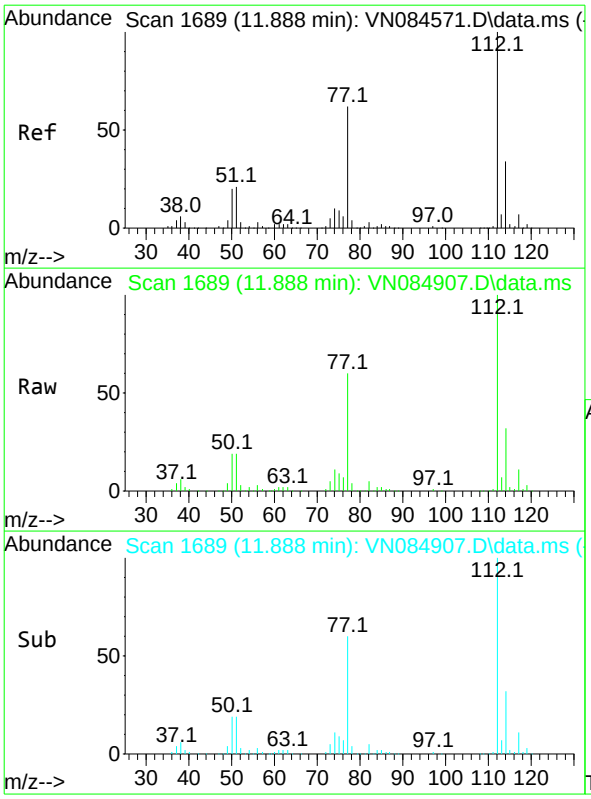


#64
Tetrachloroethene
Concen: 52.203 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:164 Resp: 70915

Ion	Ratio	Lower	Upper
164	100		
166	123.6	101.0	151.4
129	97.6	80.8	121.2
131	95.0	78.1	117.1

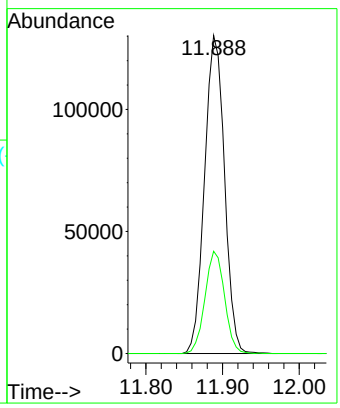




#65
Chlorobenzene
Concen: 51.481 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:112 Resp: 235212

Ion	Ratio	Lower	Upper
112	100		
114	32.1	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
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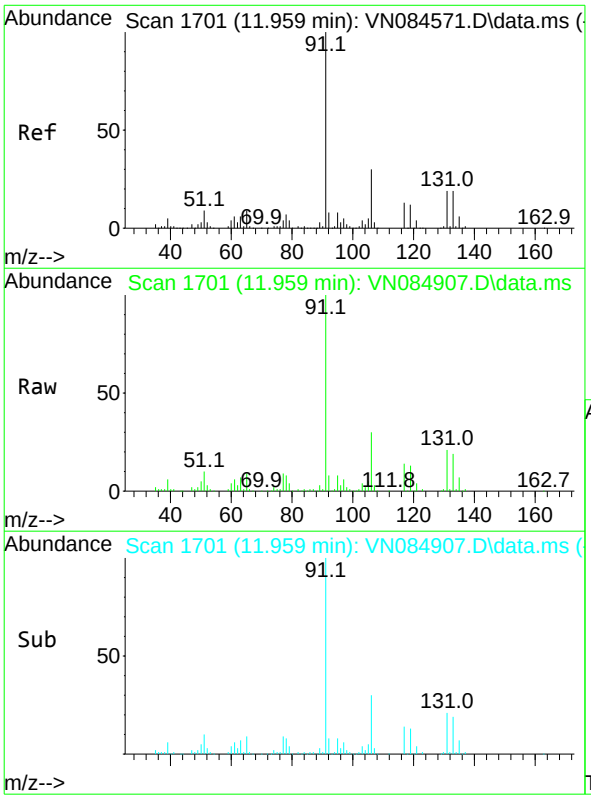
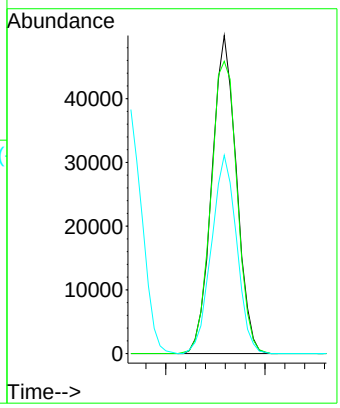
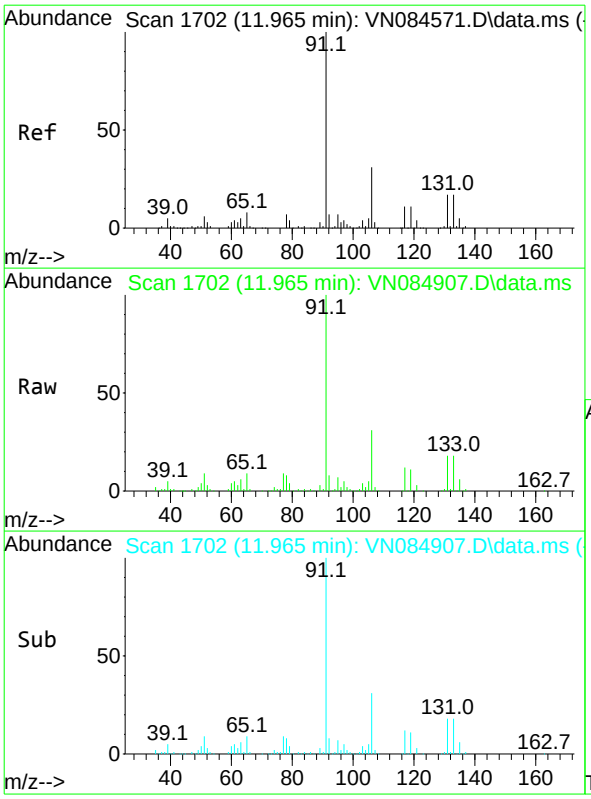


#66
1,1,1,2-Tetrachloroethane
Concen: 54.133 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:131 Resp: 86030

Ion	Ratio	Lower	Upper
131	100		
133	98.1	47.9	143.7
119	63.8	32.8	98.3

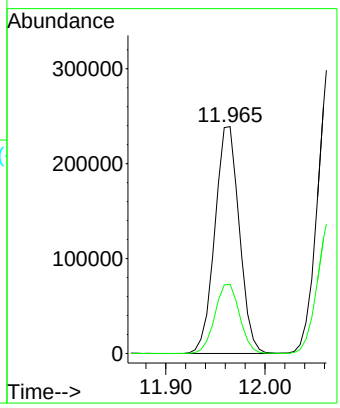




#67
Ethyl Benzene
Concen: 53.697 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 91 Resp: 409522

Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
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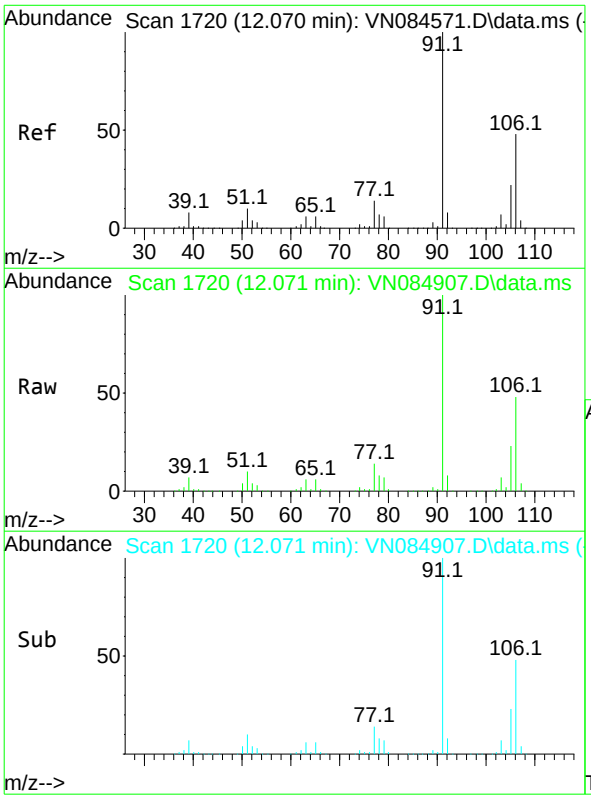
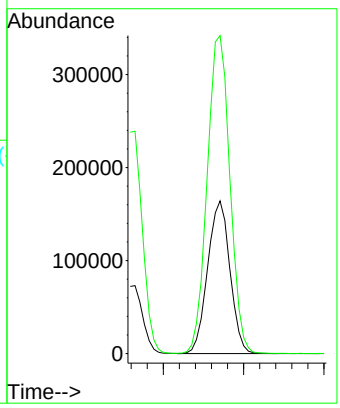
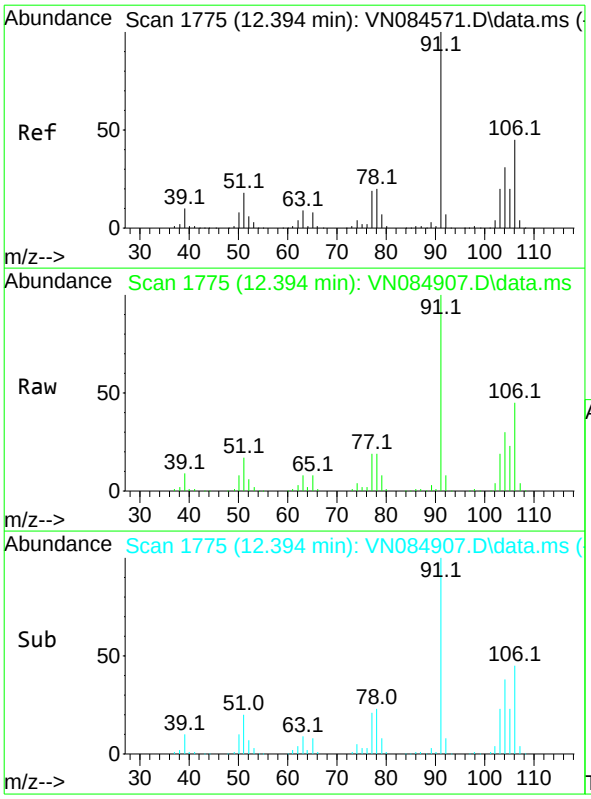


#68
m/p-Xylenes
Concen: 109.565 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:106 Resp: 316350

Ion	Ratio	Lower	Upper
106	100		
91	212.3	167.1	250.7

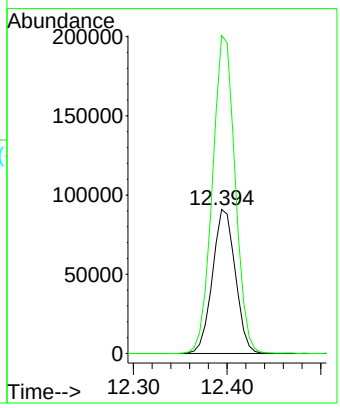




#69
o-Xylene
Concen: 57.058 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:106 Resp: 154115

Ion	Ratio	Lower	Upper
106	100		
91	219.8	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
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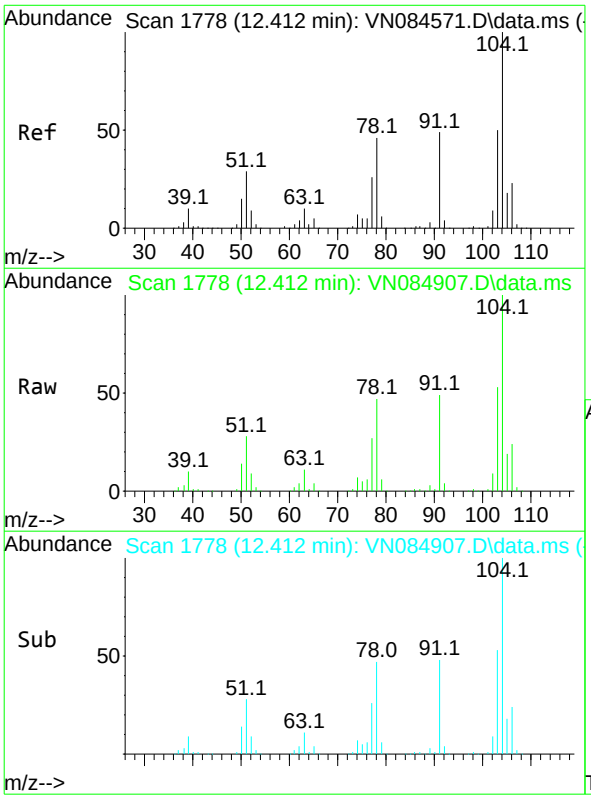
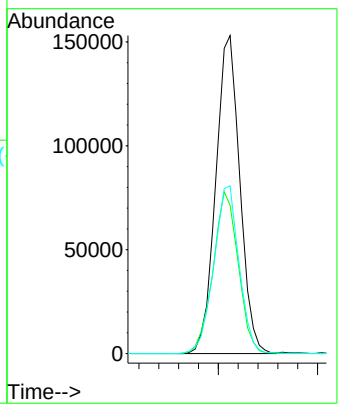
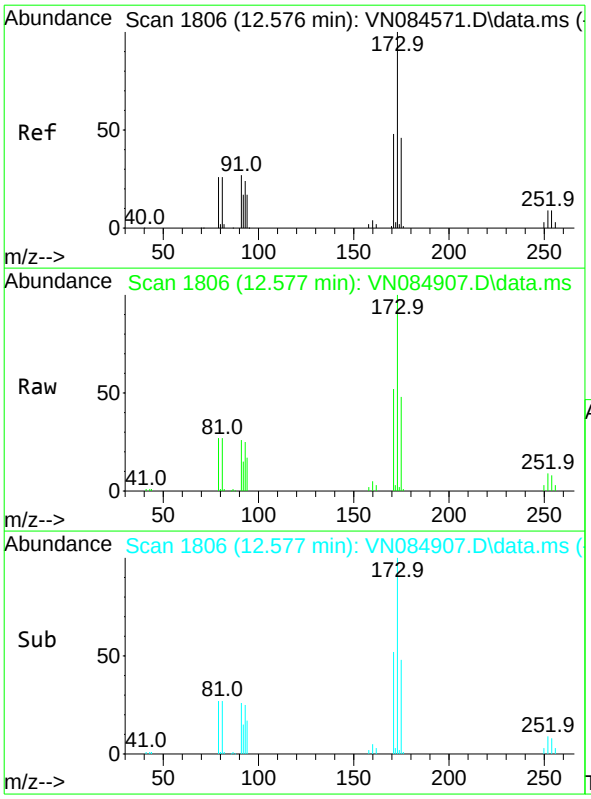


#70
Styrene
Concen: 54.855 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:104 Resp: 258466

Ion	Ratio	Lower	Upper
104	100		
78	53.2	42.7	64.1
103	55.2	43.6	65.4

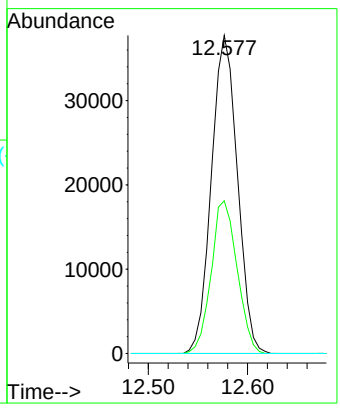




#71
Bromoform
Concen: 57.415 ug/l
RT: 12.577 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:173 Resp: 68659

Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.5	70.6
254	0.0	0.0	0.0



Instrument :
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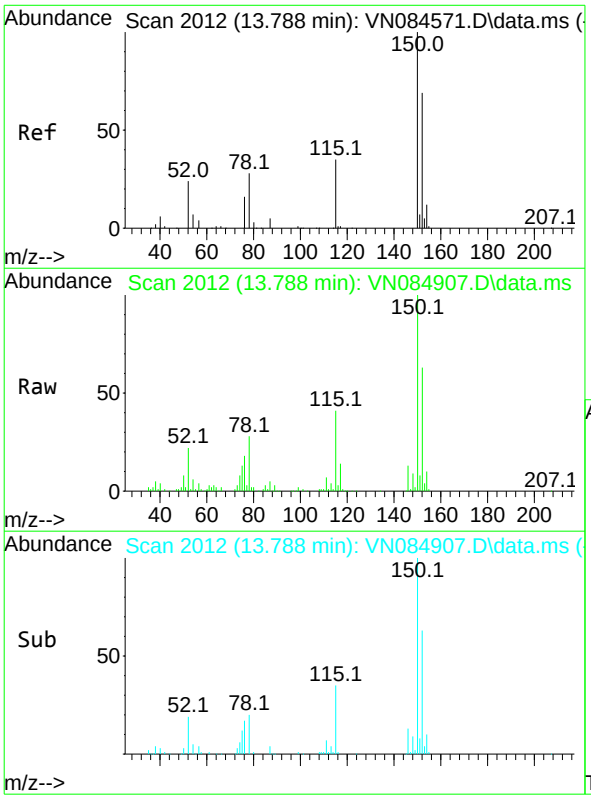
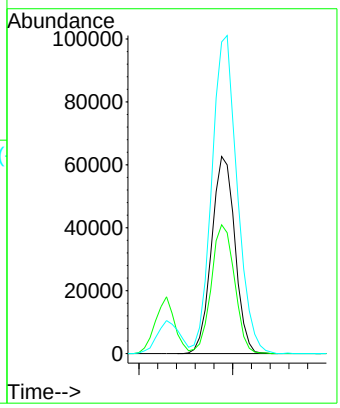
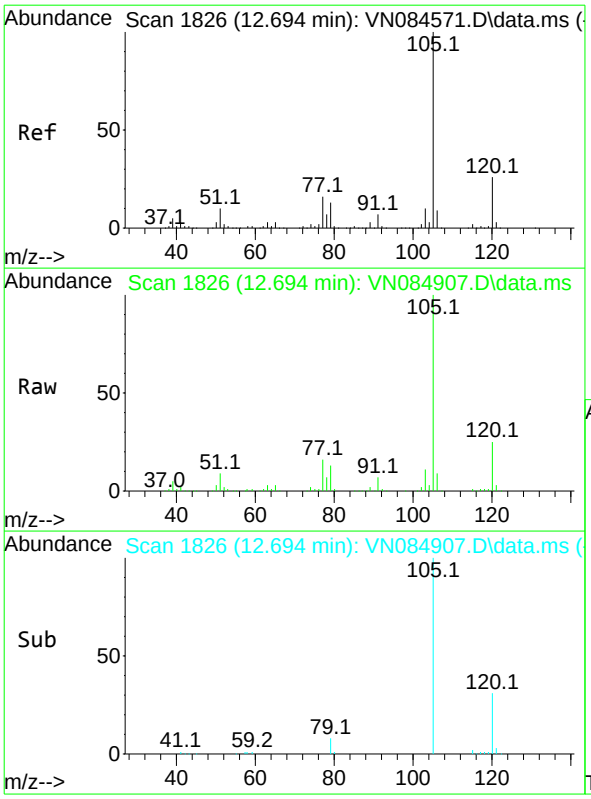


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:152 Resp: 108316

Ion	Ratio	Lower	Upper
152	100		
115	65.2	31.3	93.9
150	175.3	0.0	349.8





#73
Isopropylbenzene
Concen: 51.995 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:105 Resp: 394665

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.9	38.7

Instrument :
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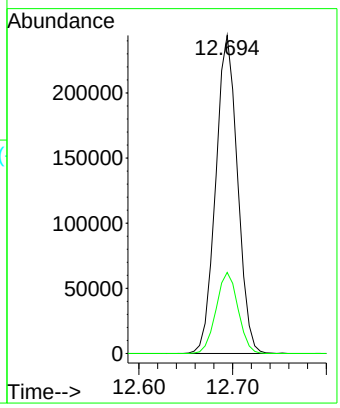
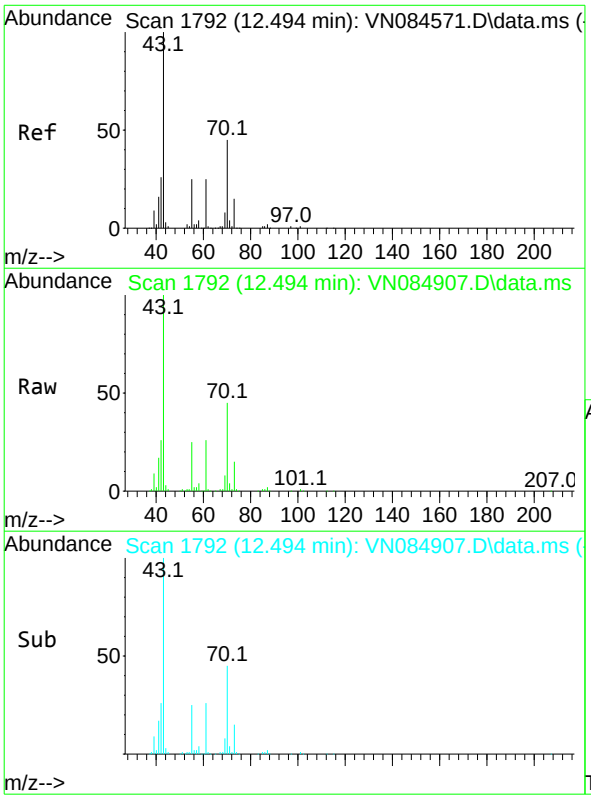
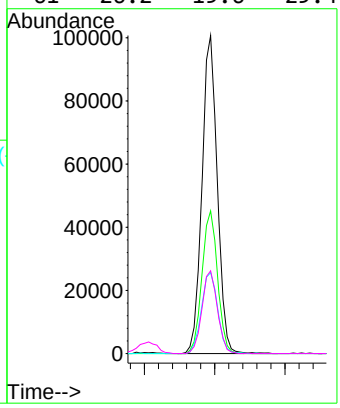


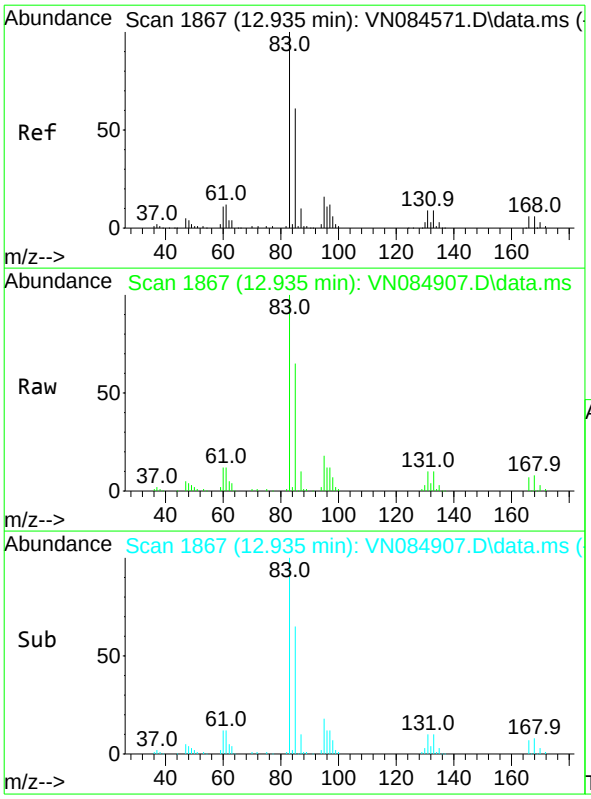


#74
N-amyl acetate
Concen: 47.111 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 43 Resp: 152199

Ion	Ratio	Lower	Upper
43	100		
70	45.6	34.4	51.6
55	27.1	19.6	29.4
61	26.2	19.6	29.4

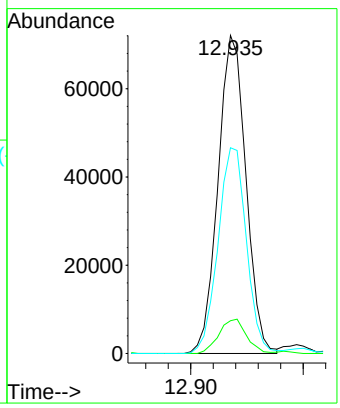




#75
1,1,2,2-Tetrachloroethane
Concen: 49.021 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 83 Resp: 124200

Ion	Ratio	Lower	Upper
83	100		
131	10.7	4.9	14.7
85	65.7	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
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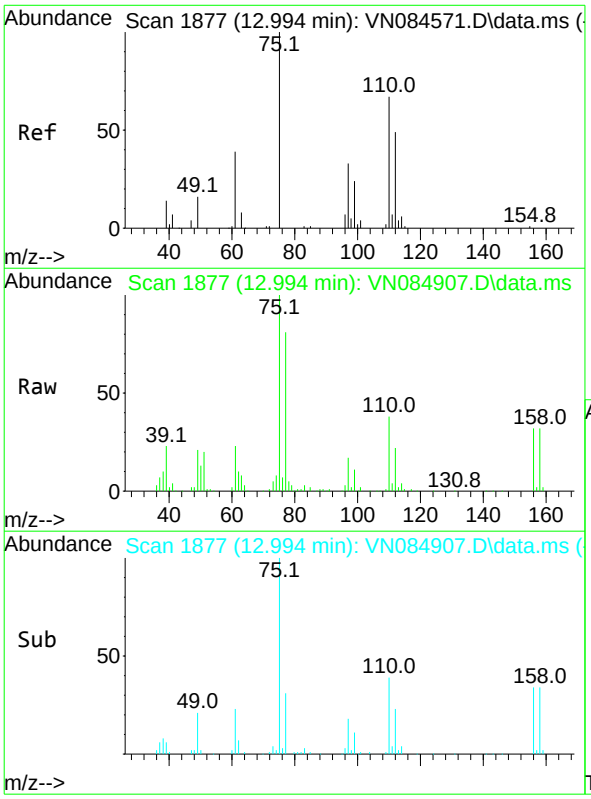
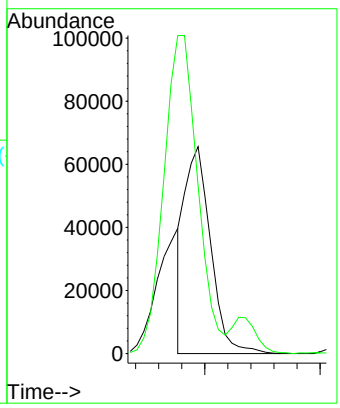
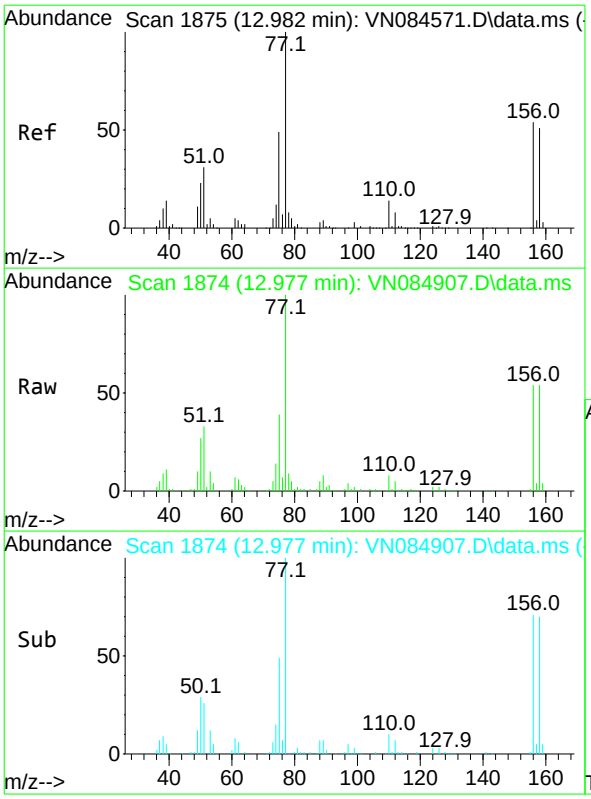


#76
1,2,3-Trichloropropane
Concen: 47.583 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 75 Resp: 103026

Ion	Ratio	Lower	Upper
75	100		
77	200.2	96.9	290.7

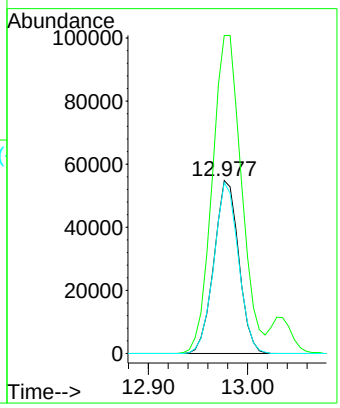




#77
Bromobenzene
Concen: 46.590 ug/l
RT: 12.977 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:156 Resp: 95069

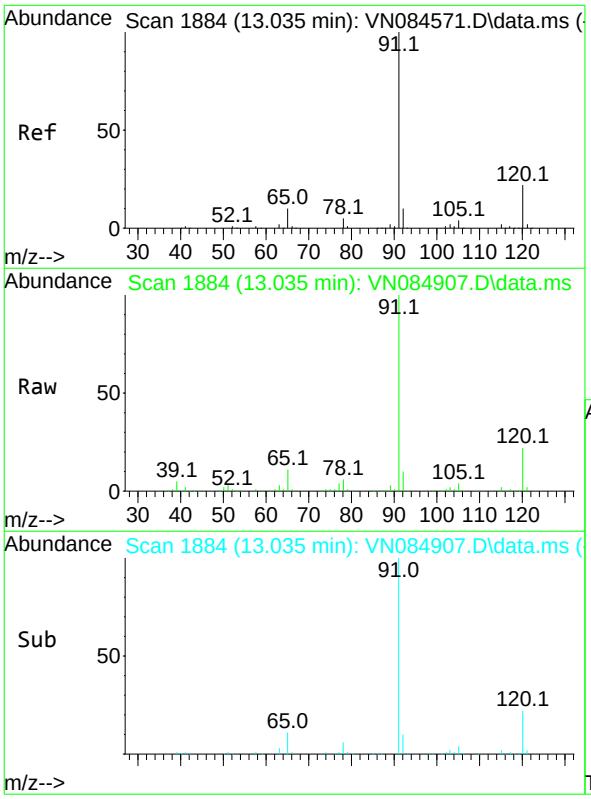
Ion	Ratio	Lower	Upper
156	100		
77	217.0	115.1	345.3
158	98.2	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Manual Integrations APPROVED

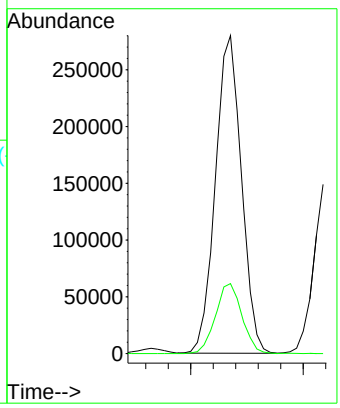
Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

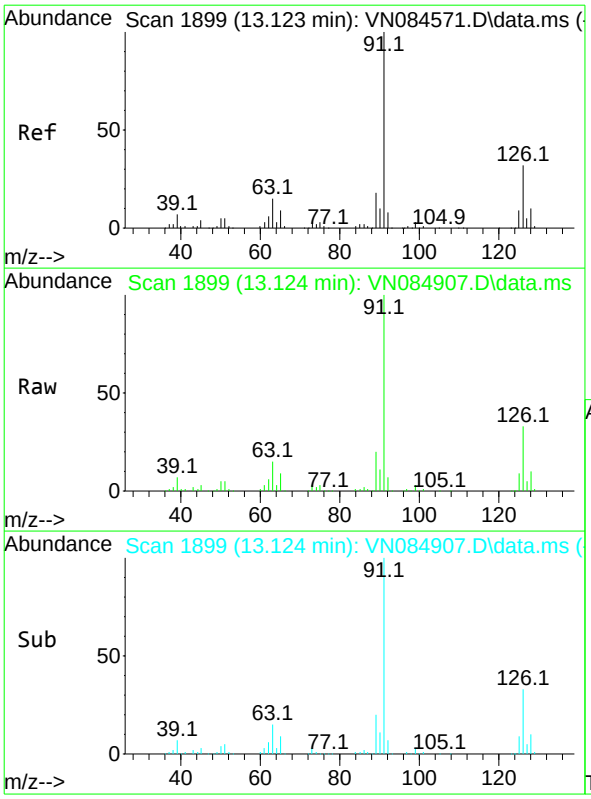


#78
n-propylbenzene
Concen: 50.482 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 91 Resp: 449029

Ion	Ratio	Lower	Upper
91	100		
120	22.4	10.8	32.4

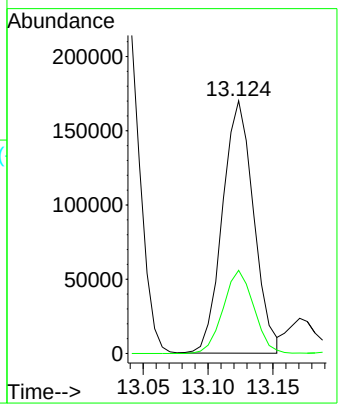




#79
2-Chlorotoluene
Concen: 49.074 ug/l
RT: 13.124 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 91 Resp: 285213

Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.7	47.1



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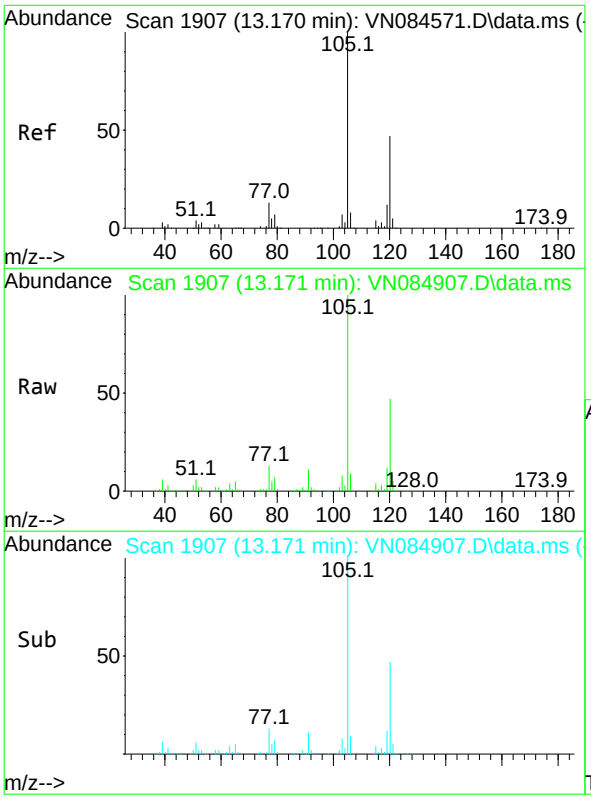
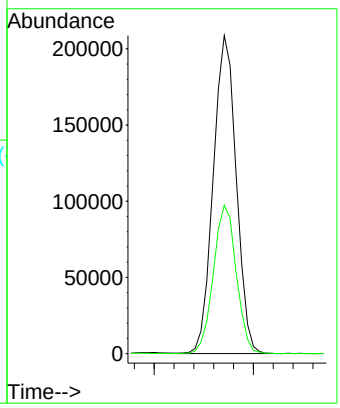
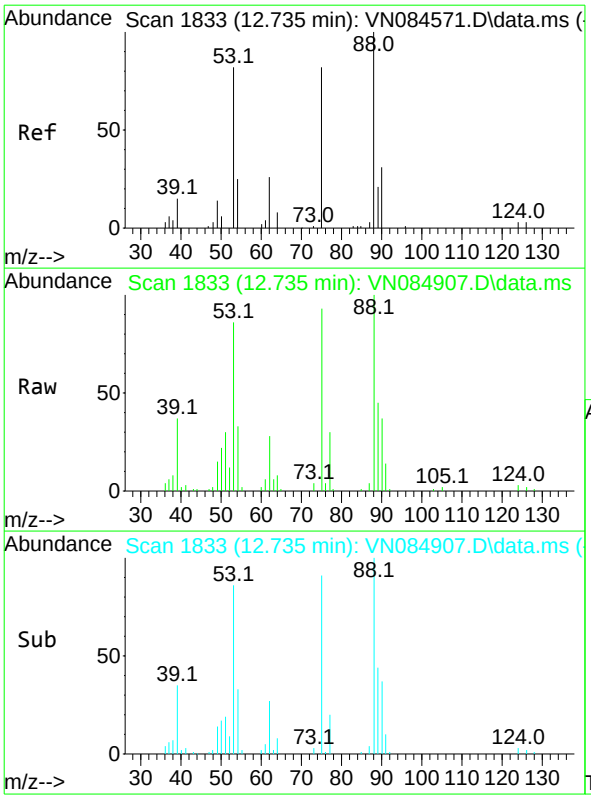


#80
1,3,5-Trimethylbenzene
Concen: 53.376 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:105 Resp: 335797

Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.7	71.1

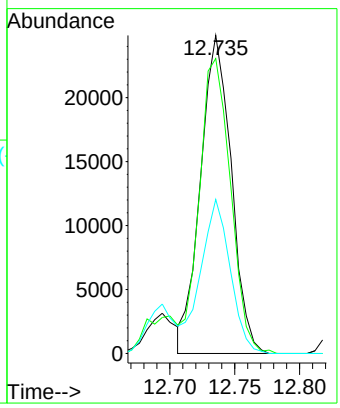




#81
trans-1,4-Dichloro-2-butene
Concen: 44.922 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 75 Resp: 40998

Ion	Ratio	Lower	Upper
75	100		
53	106.5	78.0	117.0
89	47.0	35.5	53.3



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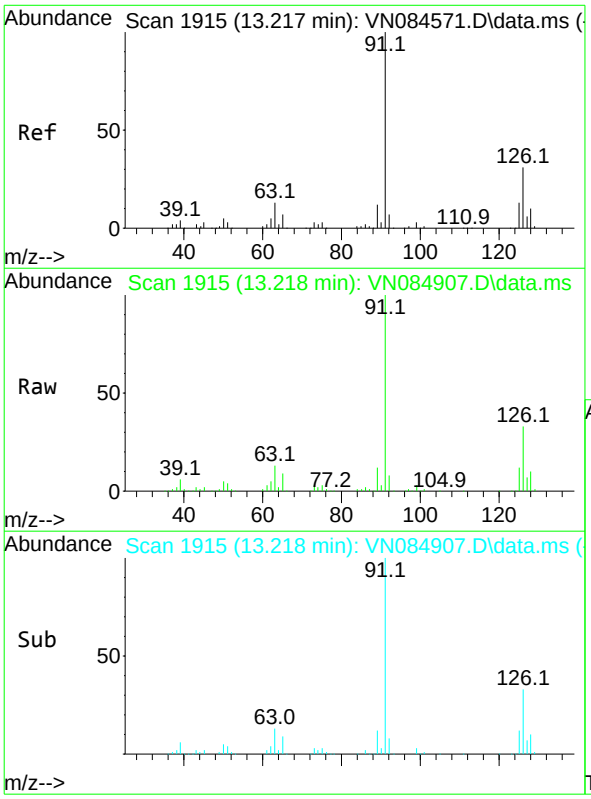
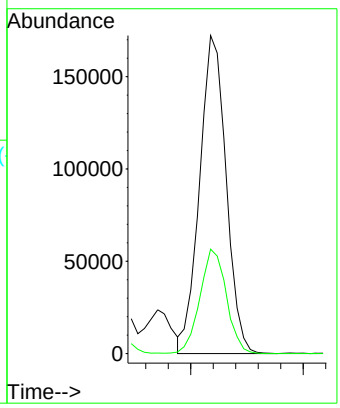
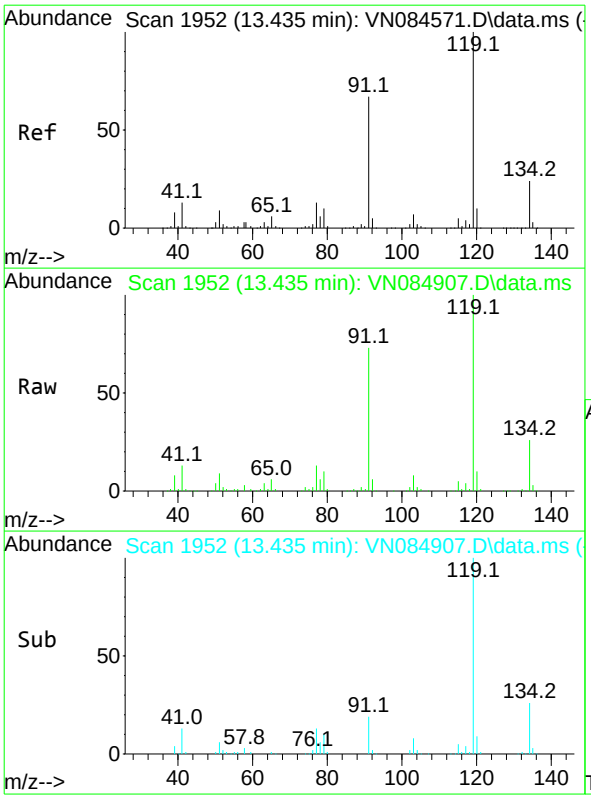


#82
4-Chlorotoluene
Concen: 46.155 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 91 Resp: 282308

Ion	Ratio	Lower	Upper
91	100		
126	32.7	15.7	47.1

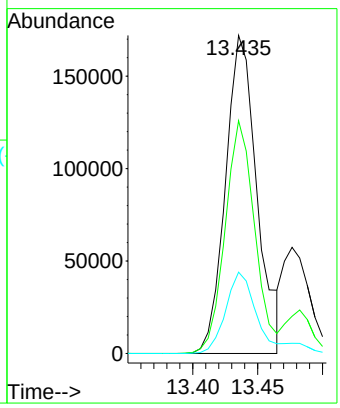




#83
tert-Butylbenzene
Concen: 55.802 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:119 Resp: 290541

Ion	Ratio	Lower	Upper
119	100		
91	68.7	34.1	102.3
134	26.9	12.8	38.4



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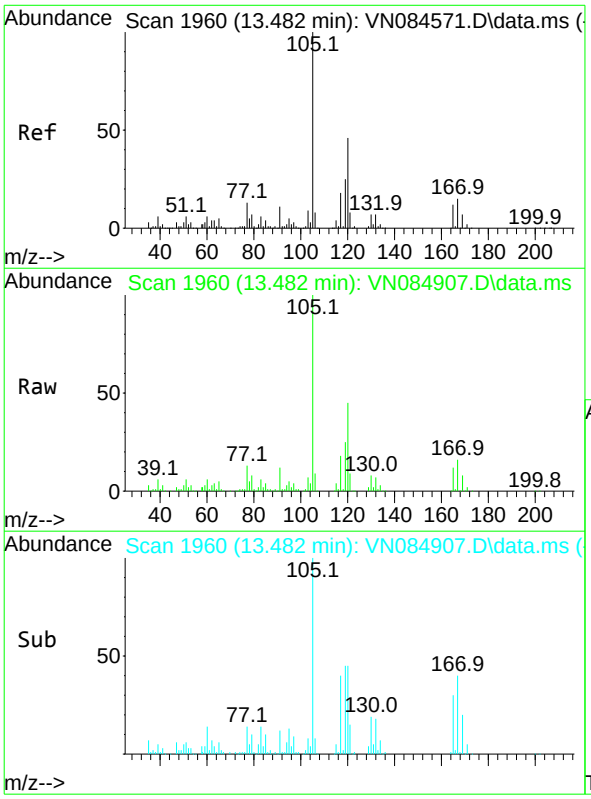
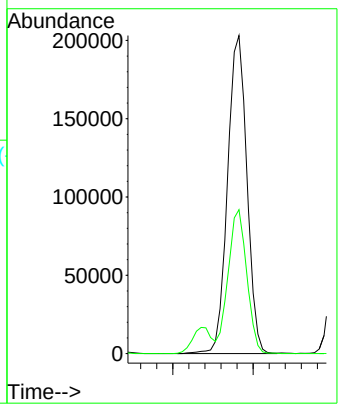
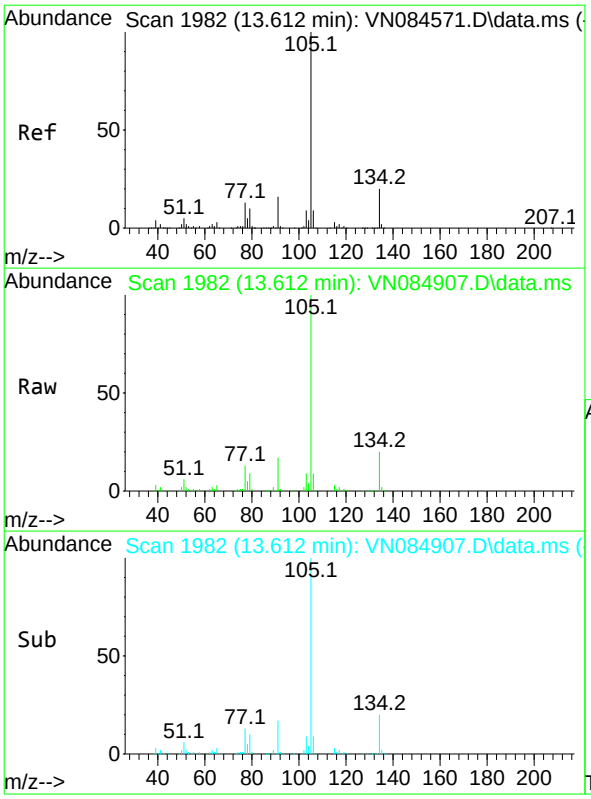


#84
1,2,4-Trimethylbenzene
Concen: 52.306 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:105 Resp: 339626

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.3	66.8

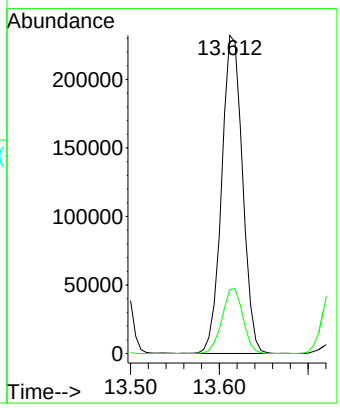




#85
sec-Butylbenzene
Concen: 51.558 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:105 Resp: 379195

Ion	Ratio	Lower	Upper
105	100		
134	20.4	9.8	29.4



Instrument :
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ClientSampleId :
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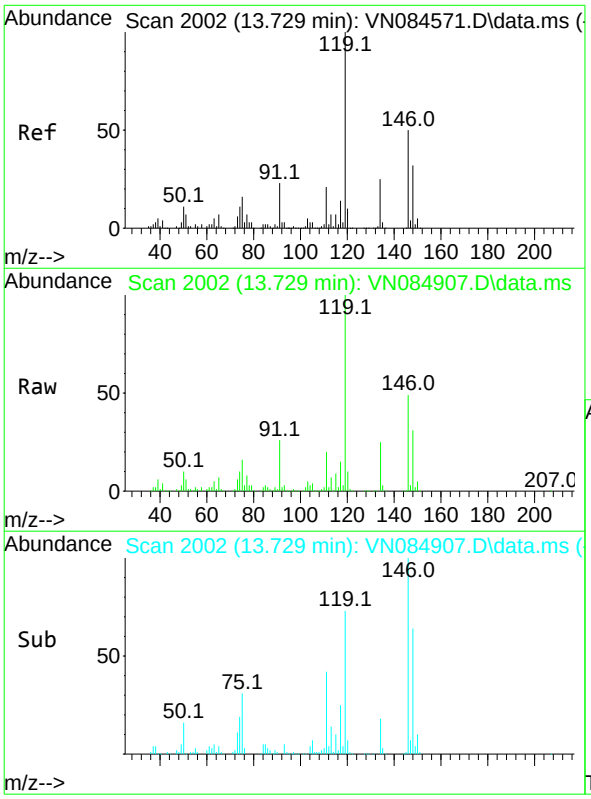
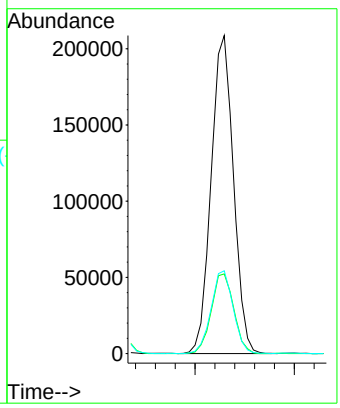
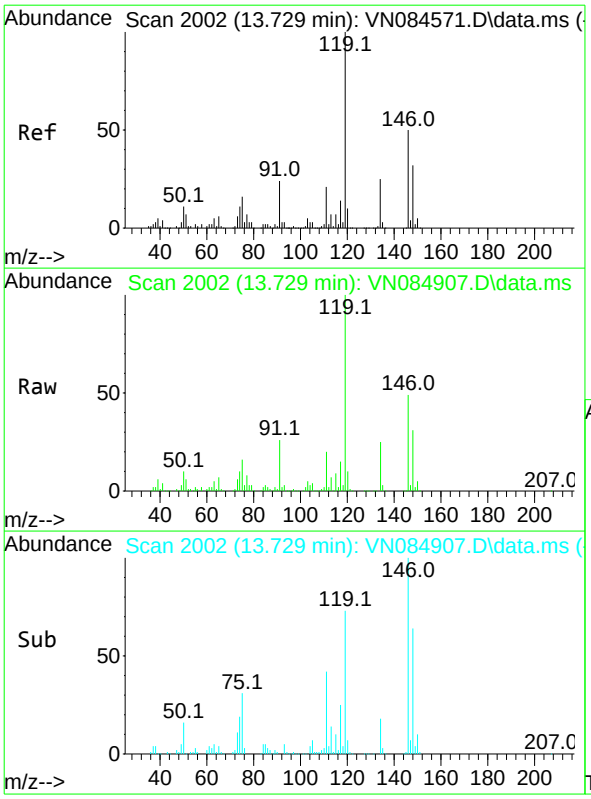


#86
p-Isopropyltoluene
Concen: 54.054 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:119 Resp: 326047

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.8
91	25.8	12.4	37.2

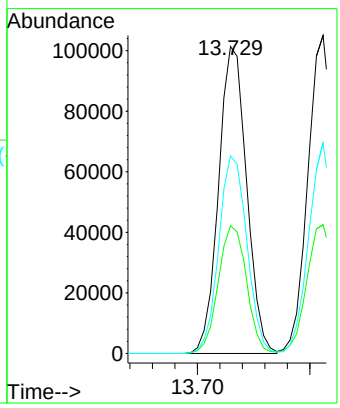




#87
1,3-Dichlorobenzene
Concen: 44.132 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:146 Resp: 175748

Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.8	65.3
148	64.5	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
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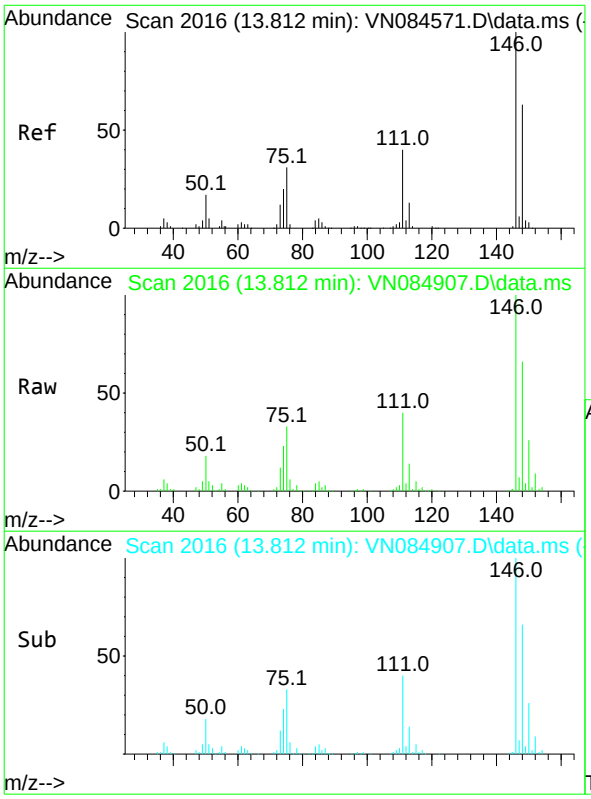
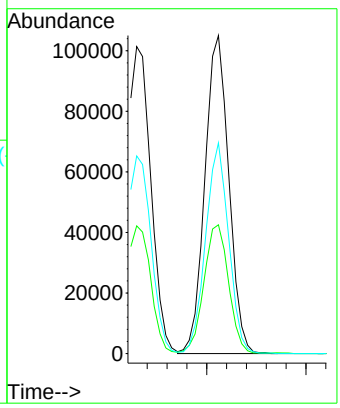
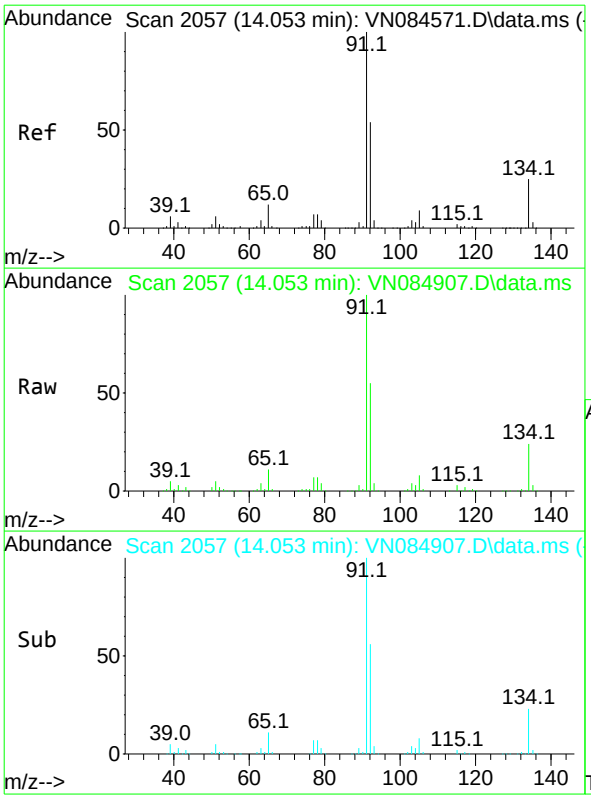


#88
1,4-Dichlorobenzene
Concen: 48.095 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:146 Resp: 175829

Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.2	63.6
148	63.8	31.9	95.9

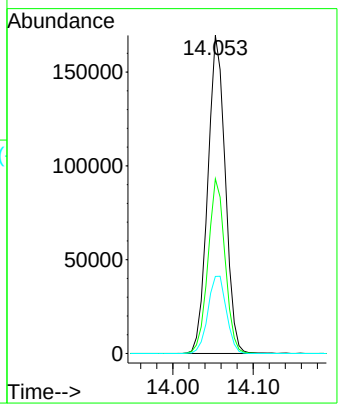




#89
n-Butylbenzene
Concen: 45.434 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 91 Resp: 256352

Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.6	79.7
134	25.6	12.3	36.9



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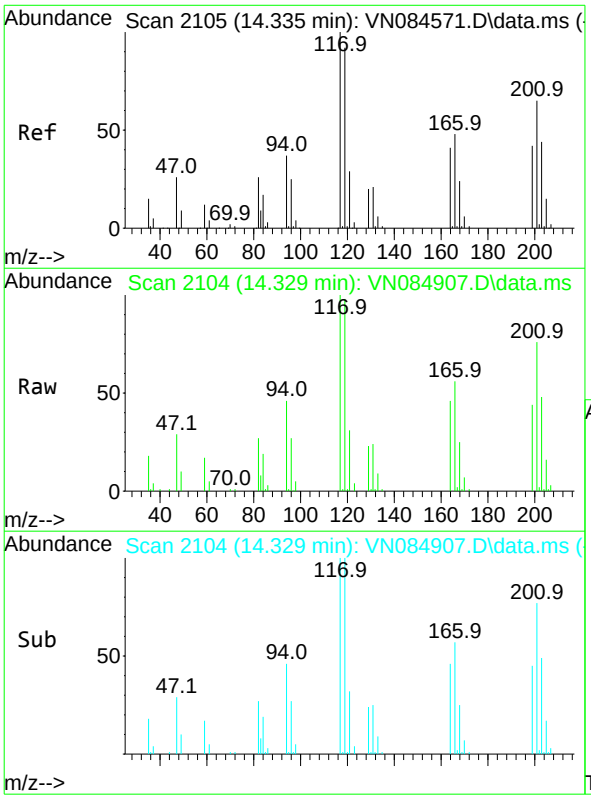
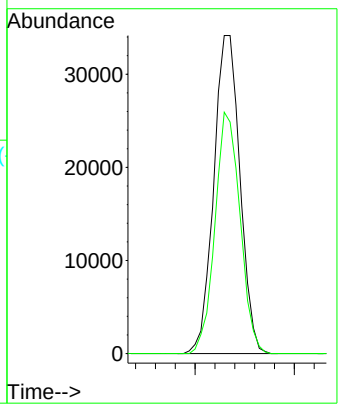
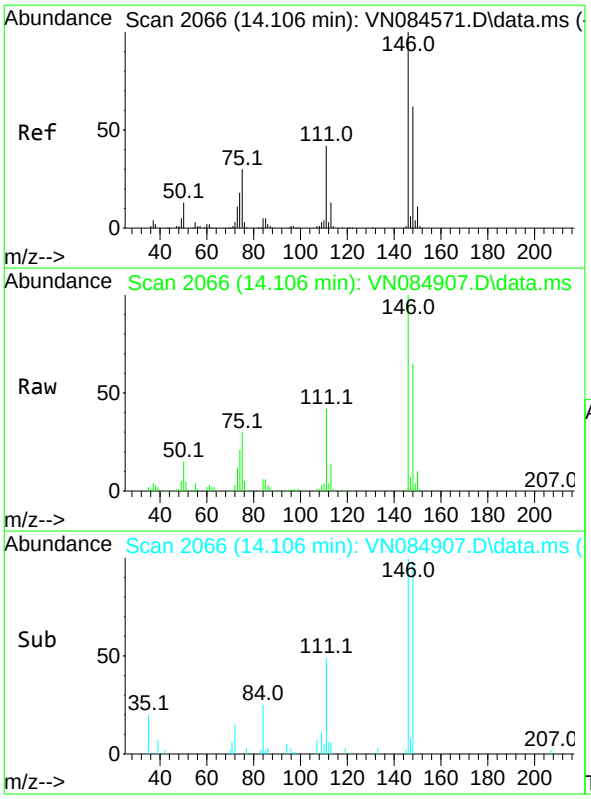


#90
Hexachloroethane
Concen: 46.627 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:117 Resp: 62720

Ion	Ratio	Lower	Upper
117	100		
201	72.6	34.4	103.2

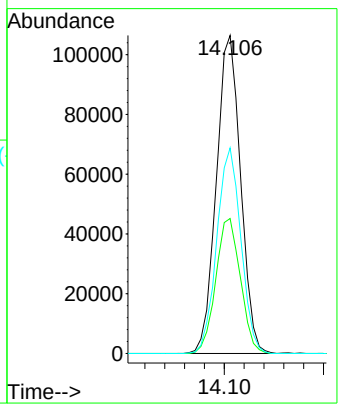




#91
1,2-Dichlorobenzene
Concen: 47.149 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:146 Resp: 180429

Ion	Ratio	Lower	Upper
146	100		
111	43.1	22.0	66.0
148	64.4	32.1	96.3



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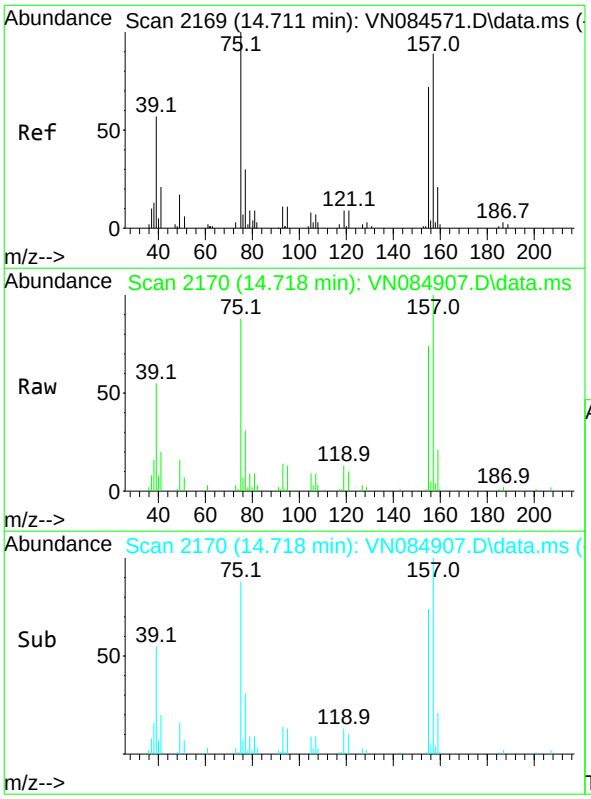
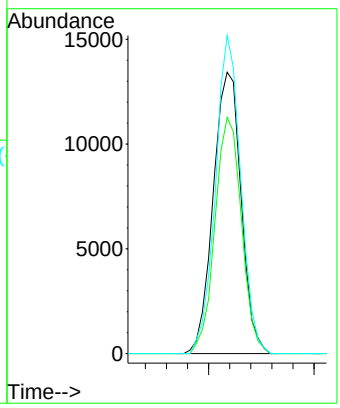
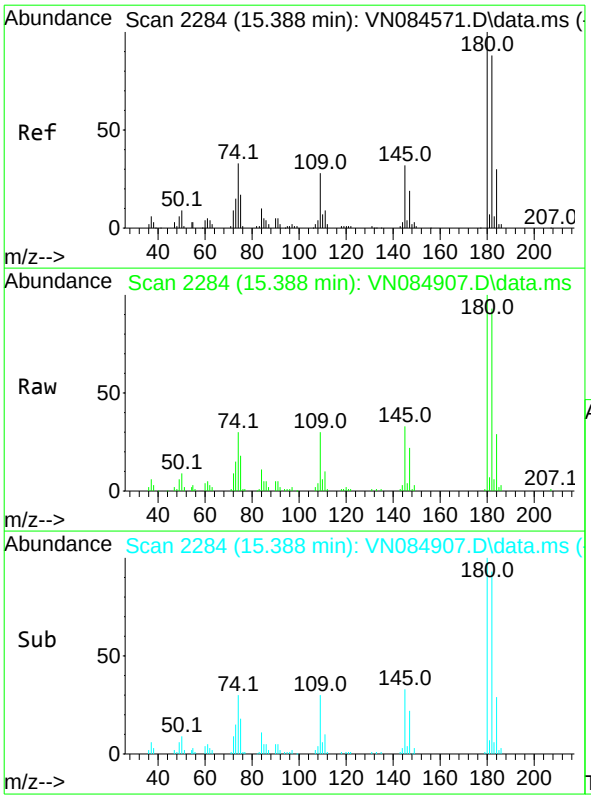


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.122 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 75 Resp: 24700

Ion	Ratio	Lower	Upper
75	100		
155	79.7	38.1	114.5
157	102.5	49.6	149.0

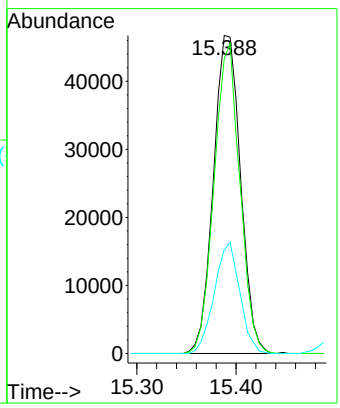




#93
1,2,4-Trichlorobenzene
Concen: 42.325 ug/l
RT: 15.388 min Scan# 22
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:180 Resp: 88653

Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.0	141.0
145	32.9	16.4	49.4



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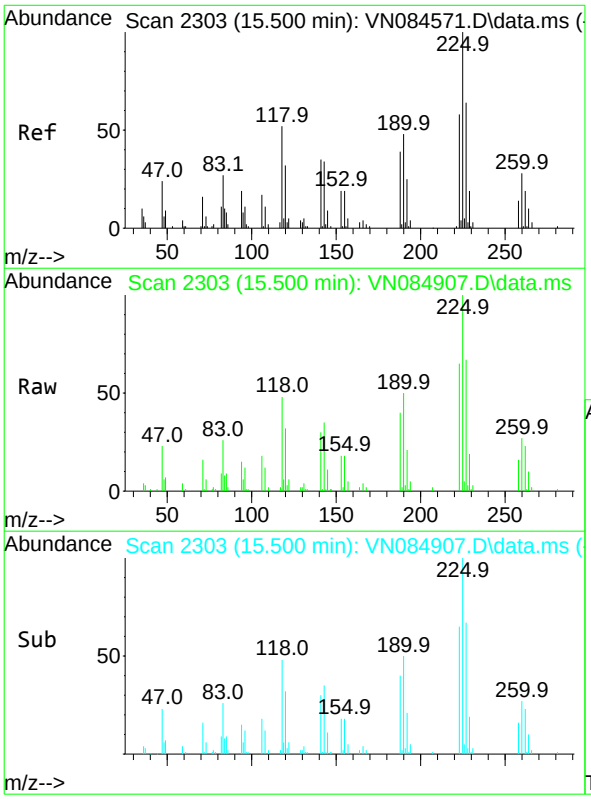
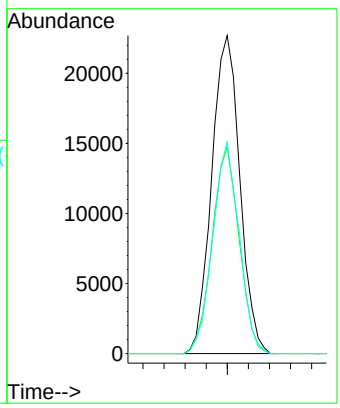
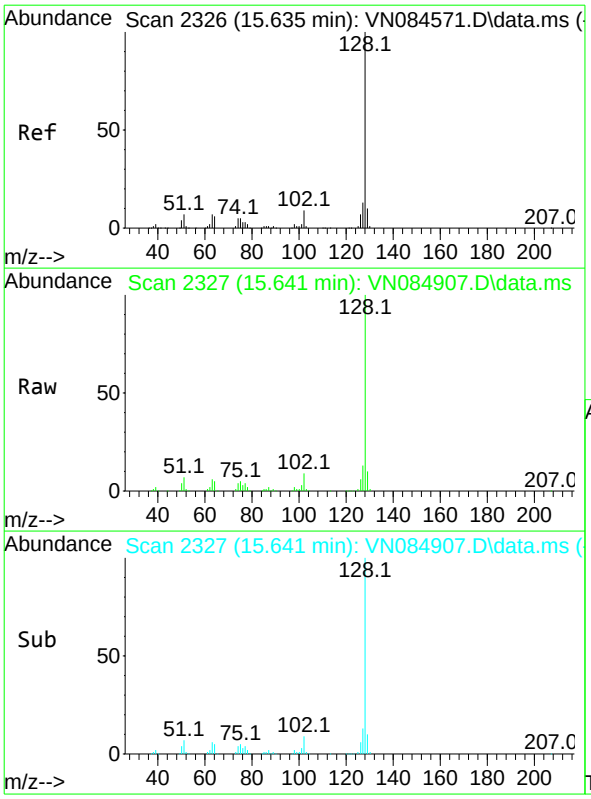


#94
Hexachlorobutadiene
Concen: 45.741 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:225 Resp: 42073

Ion	Ratio	Lower	Upper
225	100		
223	62.5	32.4	97.2
227	62.4	32.4	97.0

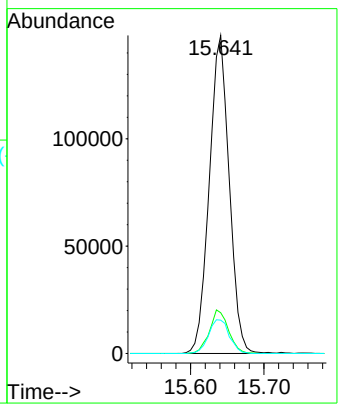




#95
Naphthalene
Concen: 44.572 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:128 Resp: 279438

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.1	8.7	13.1



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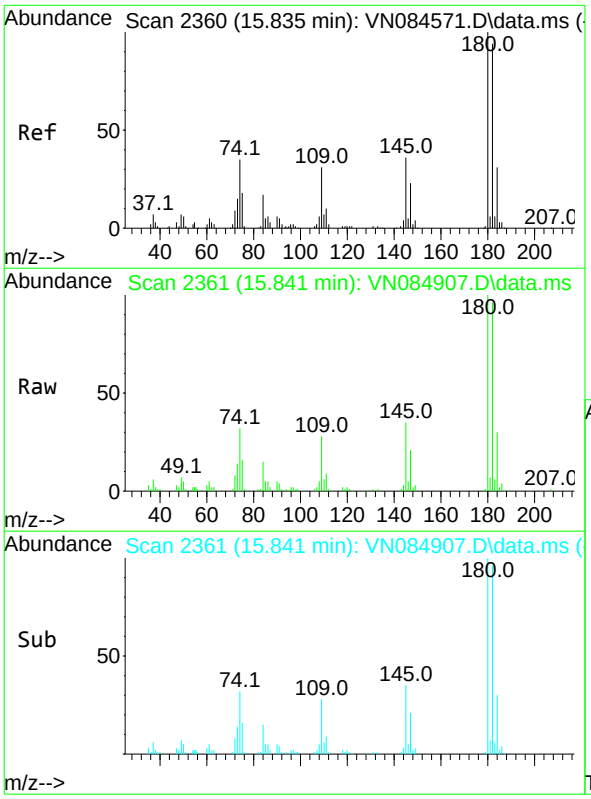
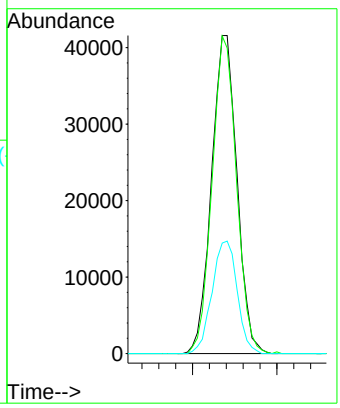


#96
1,2,3-Trichlorobenzene
Concen: 42.804 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:180 Resp: 87032

Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.2	144.6
145	35.0	17.3	51.9



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-23-20241112MSD	SDG No.:	P4845
Lab Sample ID:	P4845-07MSD	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084908.D	1		11/17/24 20:25	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	49.9		0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	52.5		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	58.7		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	59.2		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	60.6		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	59.1		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	53.1		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	50.9		0.26	0.75	1.00	ug/L
67-64-1	Acetone	310		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	45.0		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	58.4		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	49.3		0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	52.3		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	51.4		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	53.7		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	48.2		1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	300		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	58.3		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	54.5		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	49.9		0.18	0.50	1.00	ug/L
67-66-3	Chloroform	55.4		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	56.8		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	56.9		0.19	0.50	1.00	ug/L
71-43-2	Benzene	53.5		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	57.0		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	54.6		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	55.3		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	57.6		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	310		0.75	2.50	5.00	ug/L
108-88-3	Toluene	57.4		0.18	0.50	1.00	ug/L

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-23-20241112MSD	SDG No.:	P4845
Lab Sample ID:	P4845-07MSD	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084908.D	1		11/17/24 20:25	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	54.1		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	52.9		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	57.0		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	320		1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	61.0		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	56.8		0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	52.7		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	53.4		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	56.8		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	110		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	59.8		0.14	0.50	1.00	ug/L
100-42-5	Styrene	58.2		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	59.2		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	54.1		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	50.6		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	47.3		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	51.1		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	49.3		0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	52.5		0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	46.2		0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	46.2		0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.5		81 - 118		97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	48.5		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	135000	8.218				
540-36-3	1,4-Difluorobenzene	222000	9.1				
3114-55-4	Chlorobenzene-d5	202000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	106000	13.788				

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/12/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-23-20241112MSD	SDG No.:	P4845
Lab Sample ID:	P4845-07MSD	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084908.D	1		11/17/24 20:25	VN111724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084908.D
Acq On : 17 Nov 2024 20:25
Operator : JC\MD
Sample : P4845-07MSD
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 18 00:27:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	134585	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	222451	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	201565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	105985	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	94220	48.471	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.940%			
35) Dibromofluoromethane	8.165	113	75187	49.934	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.860%			
50) Toluene-d8	10.565	98	268888	48.478	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.960%			
62) 4-Bromofluorobenzene	12.847	95	104788	50.550	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	77196	49.895	ug/l	94
3) Chloromethane	2.359	50	94997	52.451	ug/l	100
4) Vinyl Chloride	2.512	62	97691	58.706	ug/l	98
5) Bromomethane	2.901	94	52158	59.158	ug/l	100
6) Chloroethane	3.065	64	62167	60.649	ug/l	95
7) Trichlorofluoromethane	3.465	101	162113	59.140	ug/l	99
8) Diethyl Ether	3.953	74	58651	60.654	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.353	101	82205	53.073	ug/l	98
10) Methyl Iodide	4.577	142	117493	56.757	ug/l	95
11) Tert butyl alcohol	5.536	59	80203	312.579	ug/l	100
12) 1,1-Dichloroethene	4.324	96	77963	50.868	ug/l	97
13) Acrolein	4.171	56	71831	280.745	ug/l	97
14) Allyl chloride	5.006	41	125324	50.421	ug/l	94
15) Acrylonitrile	5.712	53	212708	286.360	ug/l	98
16) Acetone	4.430	43	173751	310.122	ug/l	99
17) Carbon Disulfide	4.700	76	212436	45.009	ug/l	99
18) Methyl Acetate	5.018	43	101310	49.340	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	274256	58.382	ug/l	97
20) Methylene Chloride	5.265	84	89331	52.251	ug/l	91
21) trans-1,2-Dichloroethene	5.777	96	80949	51.437	ug/l	100
22) Diisopropyl ether	6.671	45	261853	53.019	ug/l	95
23) Vinyl Acetate	6.594	43	916858	269.199	ug/l	97
24) 1,1-Dichloroethane	6.559	63	159204	53.692	ug/l	98
25) 2-Butanone	7.483	43	268641	296.227	ug/l	96
26) 2,2-Dichloropropane	7.488	77	123140	47.714	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	100096	54.471	ug/l	94
28) Bromochloromethane	7.812	49	58903	49.861	ug/l	89
29) Tetrahydrofuran	7.835	42	176742	293.770	ug/l	92
30) Chloroform	7.965	83	167080	55.361	ug/l	100
31) Cyclohexane	8.253	56	129419	48.224	ug/l	97
32) 1,1,1-Trichloroethane	8.159	97	156032	56.803	ug/l	96
36) 1,1-Dichloropropene	8.371	75	112455	53.851	ug/l	99
37) Ethyl Acetate	7.559	43	104589	55.202	ug/l	98
38) Carbon Tetrachloride	8.359	117	136149	58.330	ug/l	99
39) Methylcyclohexane	9.594	83	120973	56.944	ug/l	98
40) Benzene	8.600	78	359117	53.549	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084908.D
Acq On : 17 Nov 2024 20:25
Operator : JC\MD
Sample : P4845-07MSD
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 18 00:27:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Manual Integrations APPROVED
Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	64327	63.136 ug/l	96
42) 1,2-Dichloroethane	8.665	62	123737	56.972 ug/l	99
43) Isopropyl Acetate	8.682	43	188497	53.928 ug/l	97
44) Trichloroethene	9.353	130	84459	54.608 ug/l	92
45) 1,2-Dichloropropane	9.618	63	86965	55.280 ug/l	94
46) Dibromomethane	9.706	93	62601	56.393 ug/l	95
47) Bromodichloromethane	9.888	83	134701	57.565 ug/l	97
48) Methyl methacrylate	9.677	41	87819	59.556 ug/l	95
49) 1,4-Dioxane	9.694	88	34154	1307.072 ug/l #	81
51) 4-Methyl-2-Pentanone	10.441	43	555608	307.615 ug/l	97
52) Toluene	10.629	92	225028	57.373 ug/l	99
53) t-1,3-Dichloropropene	10.835	75	130922	54.052 ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	135498	52.855 ug/l	96
55) 1,1,2-Trichloroethane	11.012	97	84167	56.968 ug/l	99
56) Ethyl methacrylate	10.871	69	138753	64.927 ug/l	91
57) 1,3-Dichloropropane	11.159	76	145534	57.395 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.312	63	734	0.734 ug/l #	48
59) 2-Hexanone	11.194	43	415977	316.407 ug/l	97
60) Dibromochloromethane	11.359	129	102791	61.045 ug/l	100
61) 1,2-Dibromoethane	11.465	107	85996	56.840 ug/l	100
64) Tetrachloroethene	11.100	164	70654	52.698 ug/l	98
65) Chlorobenzene	11.888	112	240666	53.370 ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	88847	56.644 ug/l	99
67) Ethyl Benzene	11.959	91	427880	56.845 ug/l	98
68) m/p-Xylenes	12.070	106	326803	114.681 ug/l	100
69) o-Xylene	12.394	106	159287	59.752 ug/l	99
70) Styrene	12.412	104	270604	58.190 ug/l	100
71) Bromoform	12.576	173	69838	59.172 ug/l #	98
73) Isopropylbenzene	12.694	105	402146	54.145 ug/l	100
74) N-amyl acetate	12.494	43	154087	48.744 ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	125423	50.592 ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	104786m	49.460 ug/l	
77) Bromobenzene	12.982	156	98884	49.525 ug/l	95
78) n-propylbenzene	13.035	91	460312	52.889 ug/l	98
79) 2-Chlorotoluene	13.123	91	292096	51.363 ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	344304	55.932 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	42087	47.129 ug/l	93
82) 4-Chlorotoluene	13.217	91	294554	49.217 ug/l	99
83) tert-Butylbenzene	13.435	119	282332	55.418 ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	347897	54.758 ug/l	99
85) sec-Butylbenzene	13.617	105	389774	54.162 ug/l	100
86) p-Isopropyltoluene	13.729	119	329244	55.785 ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	184304	47.298 ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	182592	51.146 ug/l	99
89) n-Butylbenzene	14.053	91	265012	48.002 ug/l	99
90) Hexachloroethane	14.329	117	64780	49.217 ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	184527	49.281 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26368	52.502 ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	94786	46.249 ug/l	99
94) Hexachlorobutadiene	15.500	225	43359	48.176 ug/l	99
95) Naphthalene	15.635	128	304868	49.697 ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	91928	46.207 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084908.D
Acq On : 17 Nov 2024 20:25
Operator : JC\MD
Sample : P4845-07MSD
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 18 00:27:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

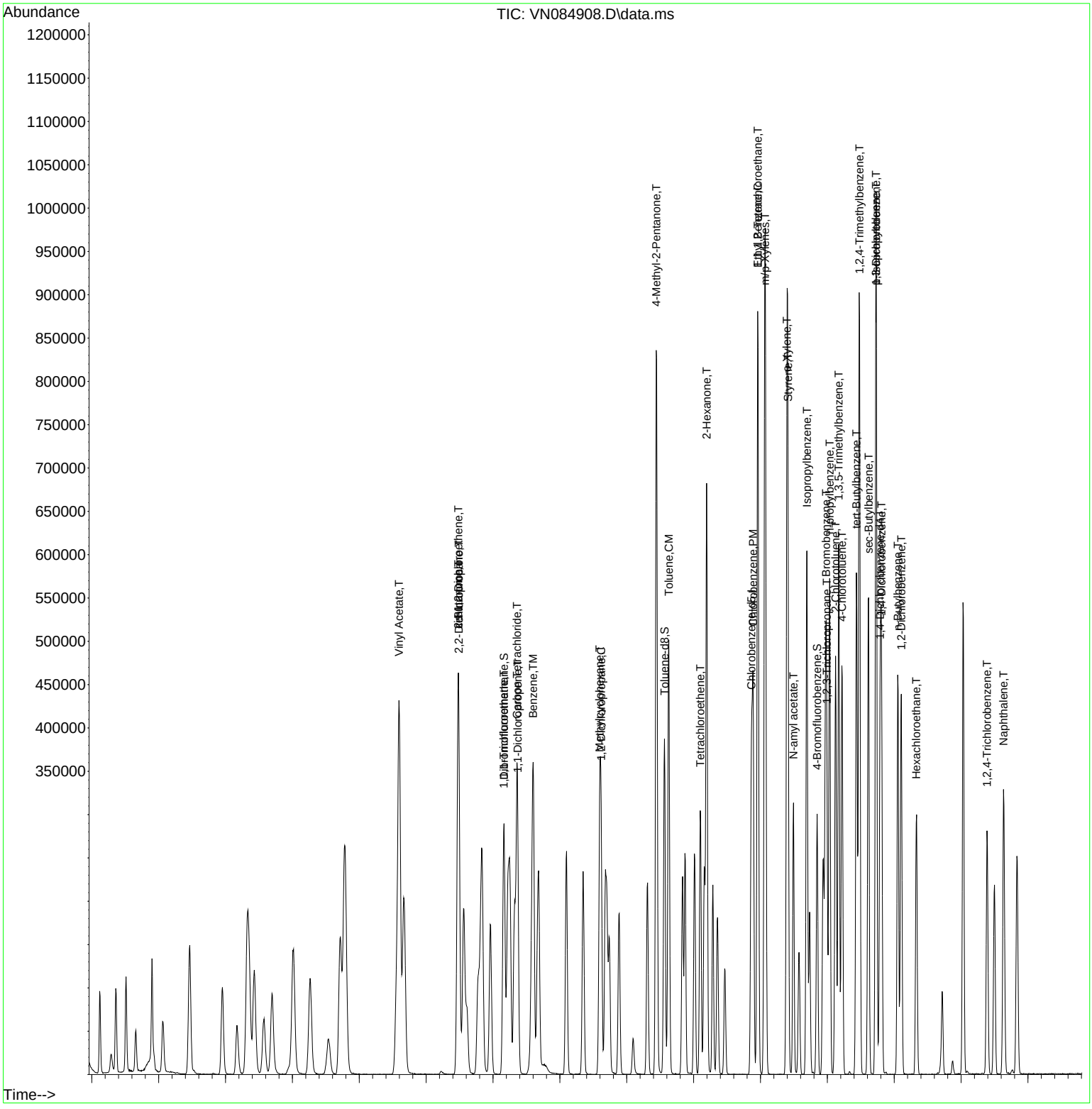
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084908.D
Acq On : 17 Nov 2024 20:25
Operator : JC\MD
Sample : P4845-07MSD
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

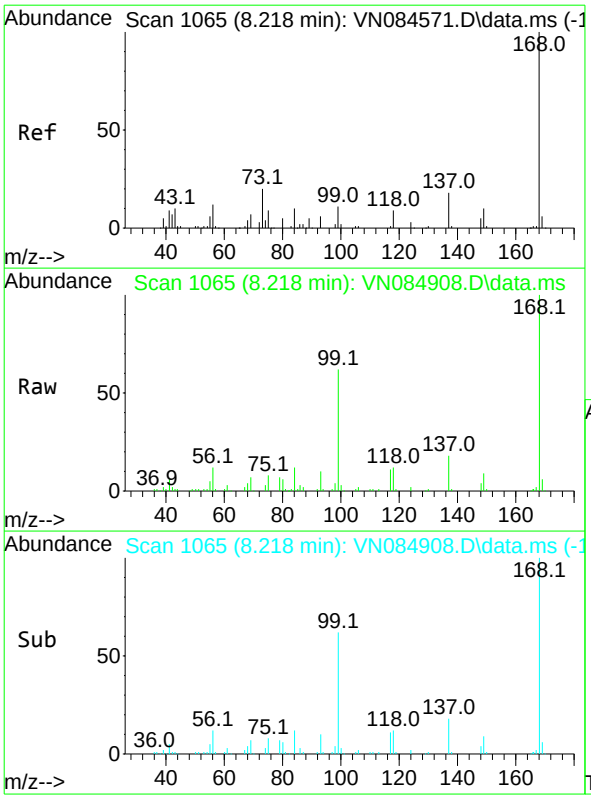
Quant Time: Nov 18 00:27:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

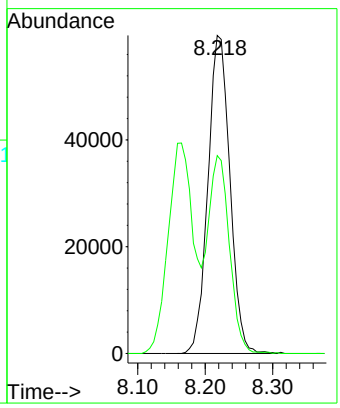




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:168 Resp: 134585

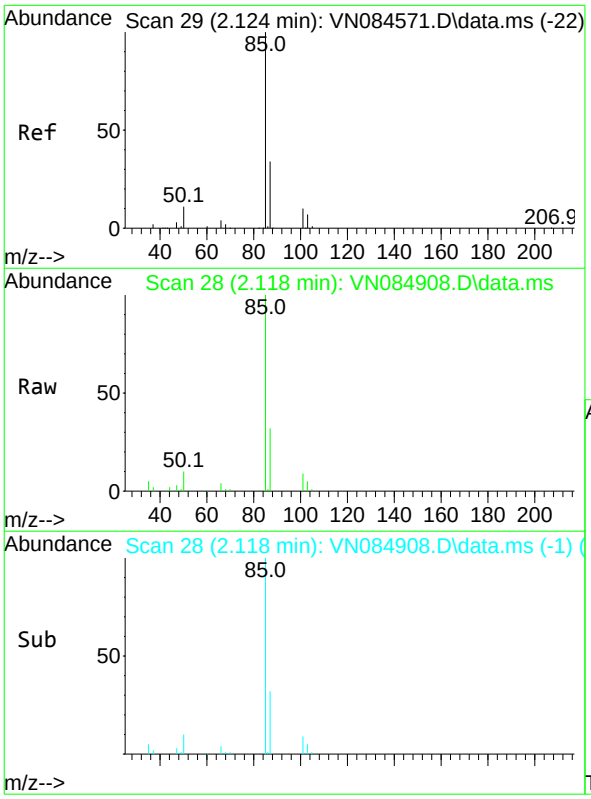
Ion	Ratio	Lower	Upper
168	100		
99	62.0	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Manual Integrations
APPROVED

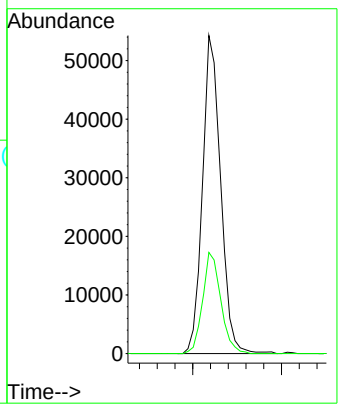
Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

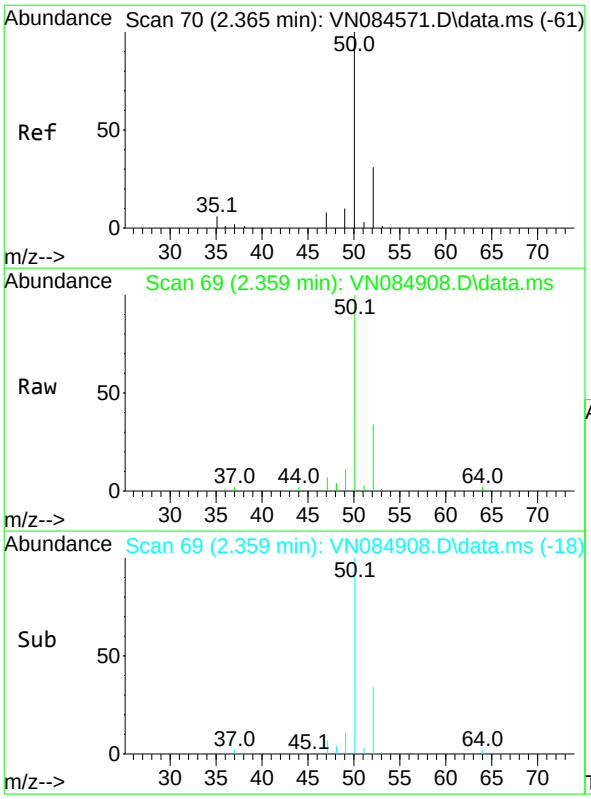


#2
Dichlorodifluoromethane
Concen: 49.895 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.006 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 85 Resp: 77196

Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.6	52.9

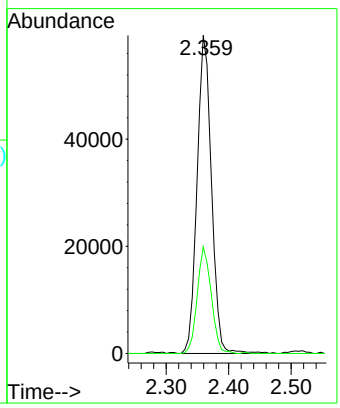




#3
Chloromethane
Concen: 52.451 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 50 Resp: 94997

Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
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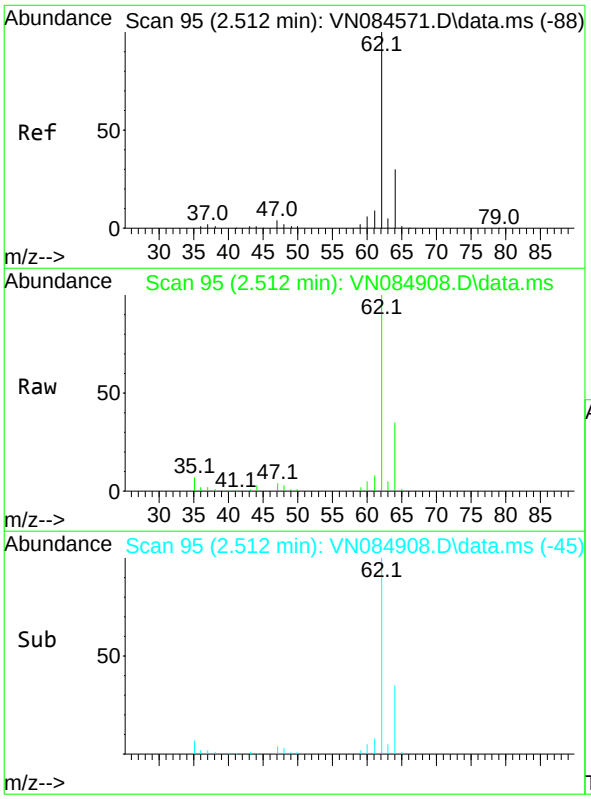
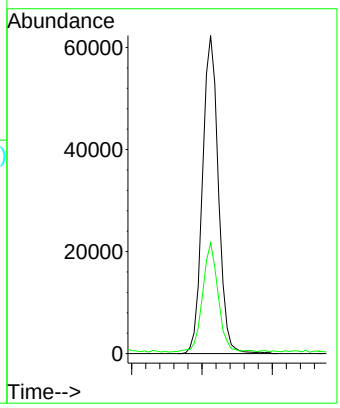
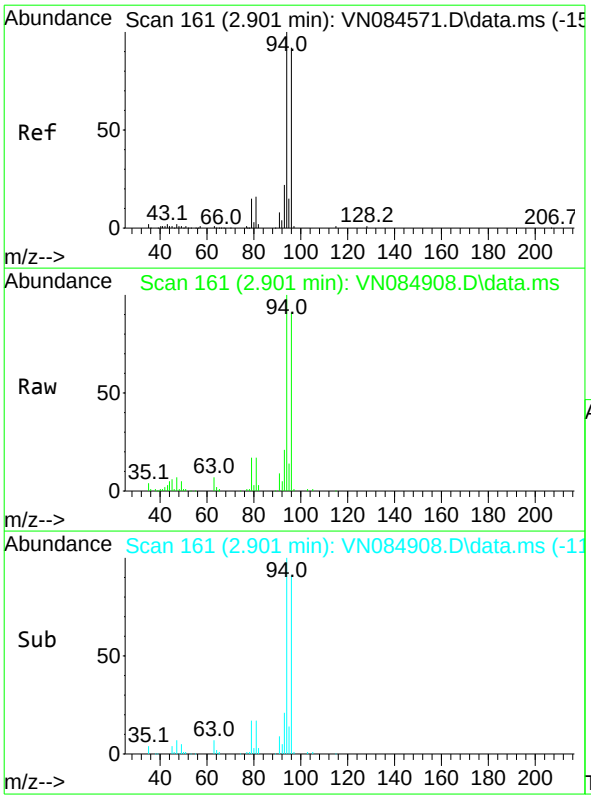


#4
Vinyl Chloride
Concen: 58.706 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 62 Resp: 97691

Ion	Ratio	Lower	Upper
62	100		
64	34.2	26.2	39.4

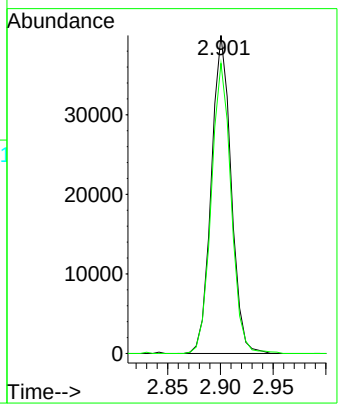




#5
Bromomethane
Concen: 59.158 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.052 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 94 Resp: 52158

Ion	Ratio	Lower	Upper
94	100		
96	91.2	72.9	109.3



Instrument :
MSVOA_N
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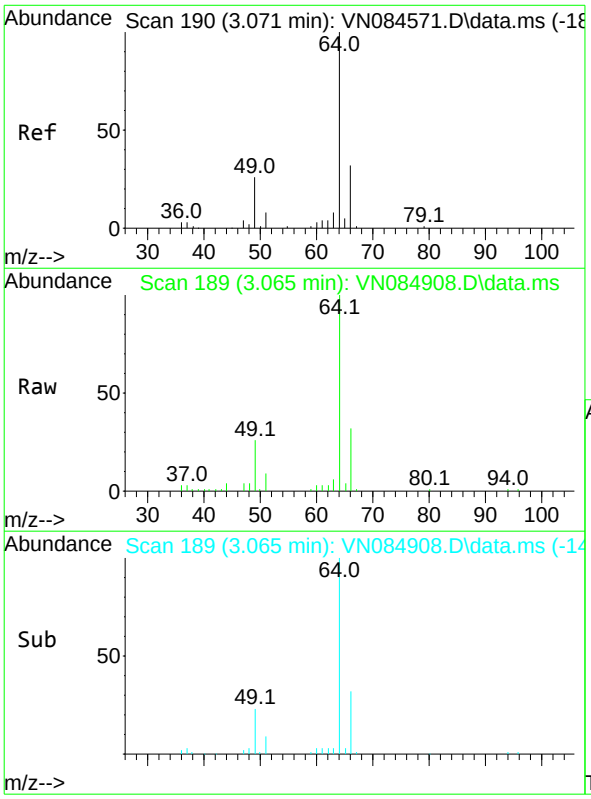
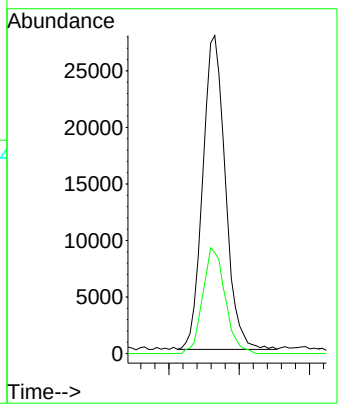
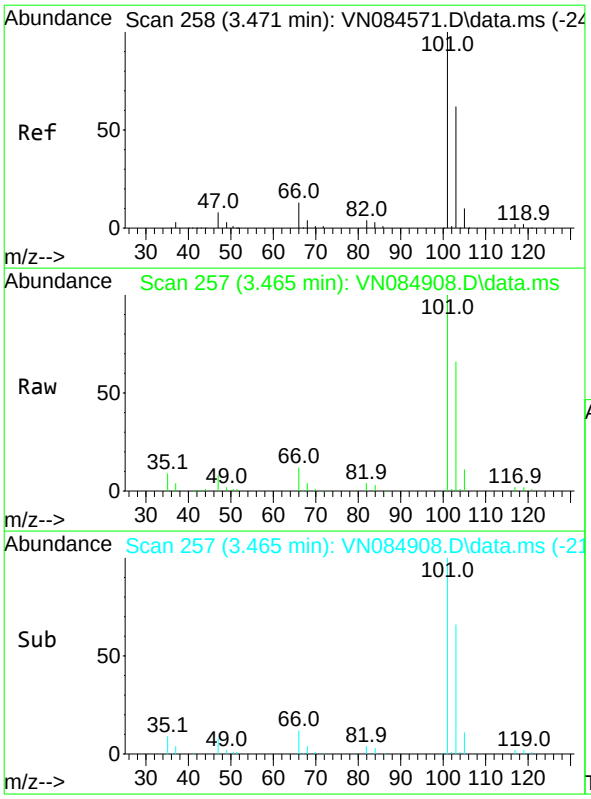


#6
Chloroethane
Concen: 60.649 ug/l
RT: 3.065 min Scan# 189
Delta R.T. -0.053 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 64 Resp: 62167

Ion	Ratio	Lower	Upper
64	100		
66	32.1	23.5	35.3

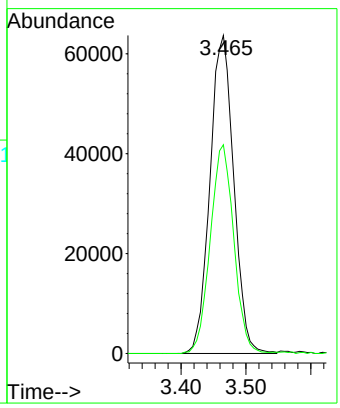




#7
Trichlorofluoromethane
Concen: 59.140 ug/l
RT: 3.465 min Scan# 25
Delta R.T. -0.030 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:101 Resp: 162113

Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
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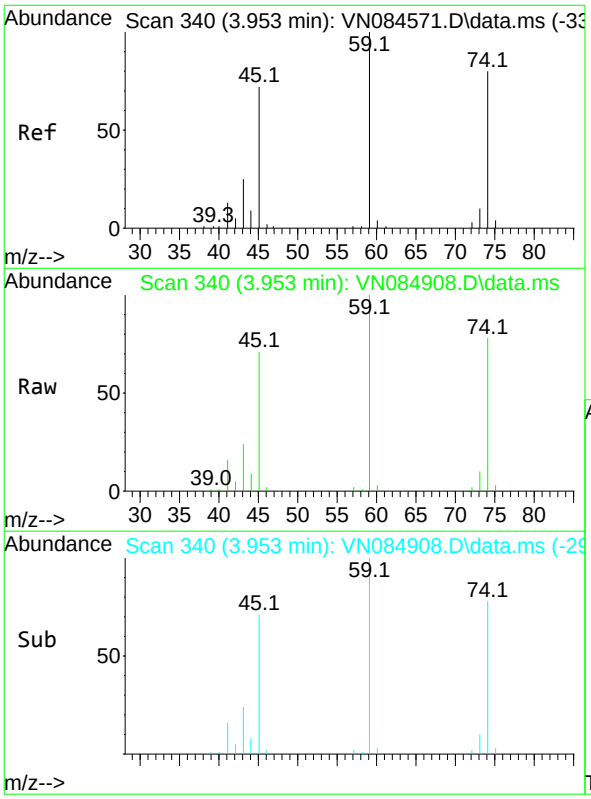
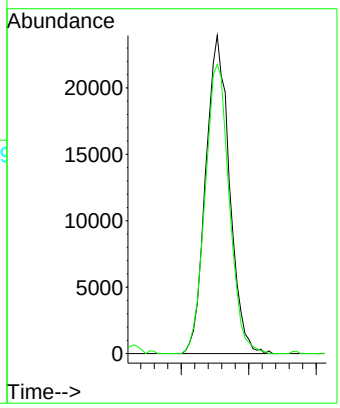
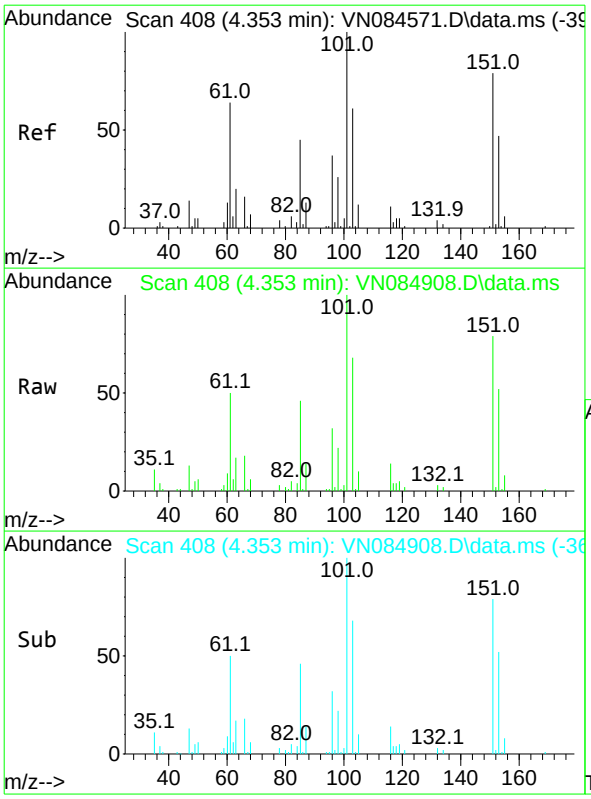


#8
Diethyl Ether
Concen: 60.654 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 74 Resp: 58651

Ion	Ratio	Lower	Upper
74	100		
45	92.3	47.7	143.1

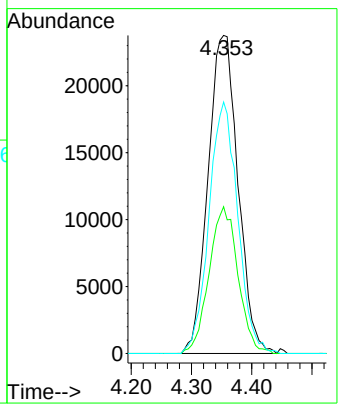




#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.073 ug/l
RT: 4.353 min Scan# 40
Delta R.T. -0.018 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:101 Resp: 82205

Ion	Ratio	Lower	Upper
101	100		
85	44.5	36.2	54.4
151	75.8	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
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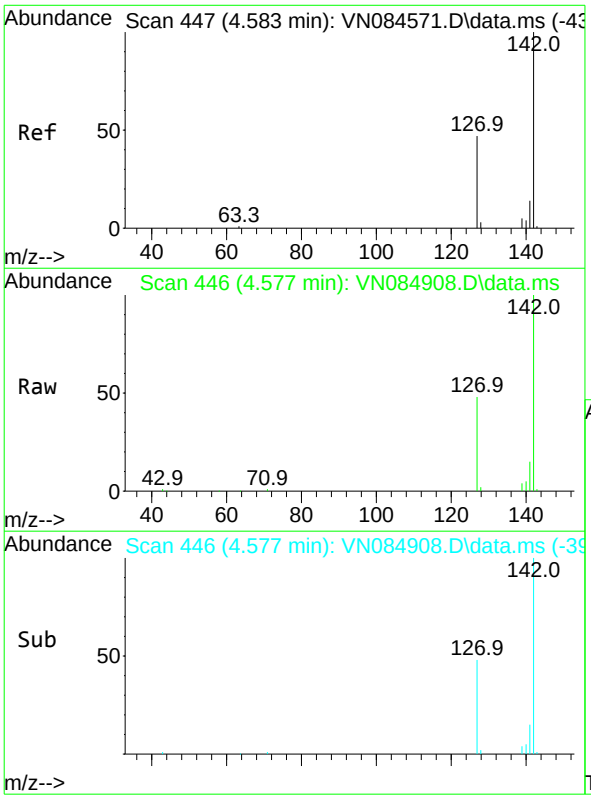
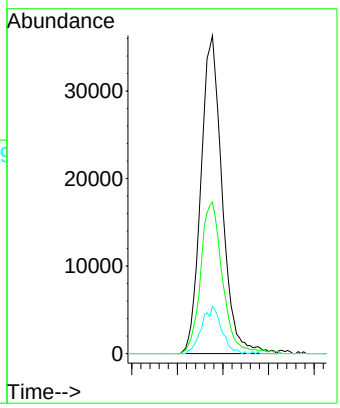
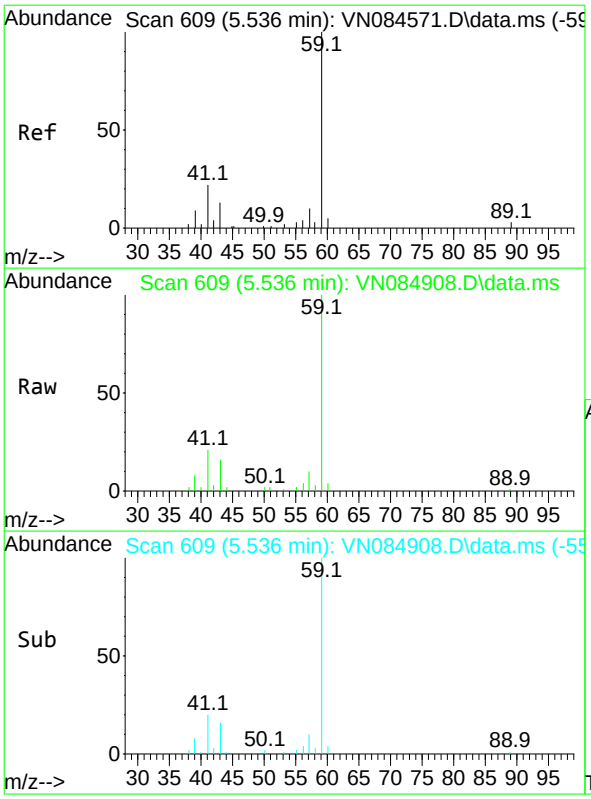


#10
Methyl Iodide
Concen: 56.757 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:142 Resp: 117493

Ion	Ratio	Lower	Upper
142	100		
127	47.7	35.3	52.9
141	14.8	11.0	16.6

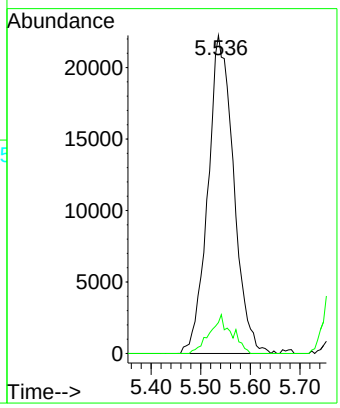




#11
Tert butyl alcohol
Concen: 312.579 ug/l
RT: 5.536 min Scan# 60
Delta R.T. 0.012 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 59 Resp: 80203

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
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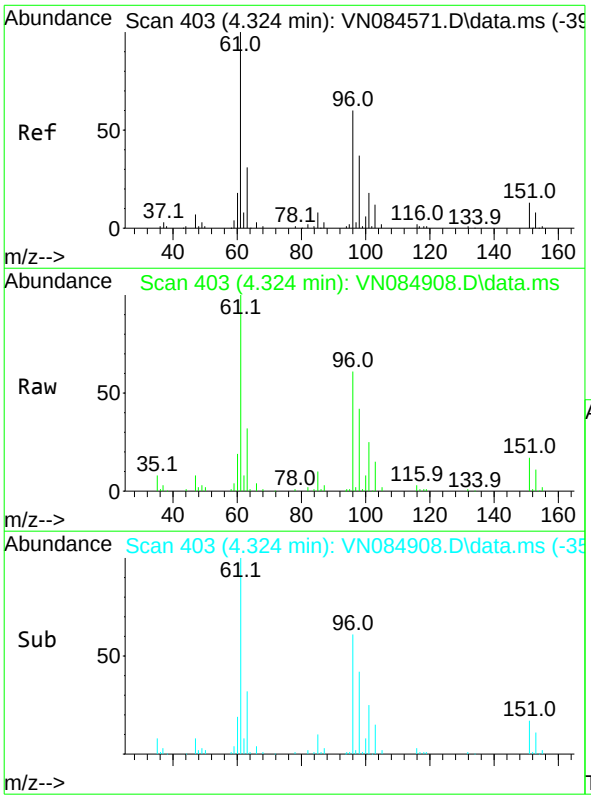
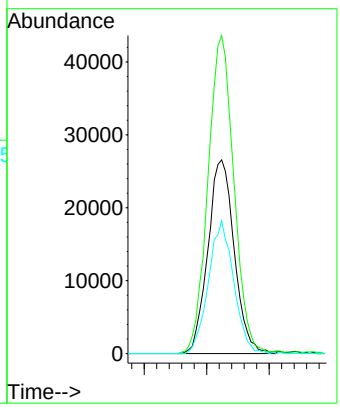
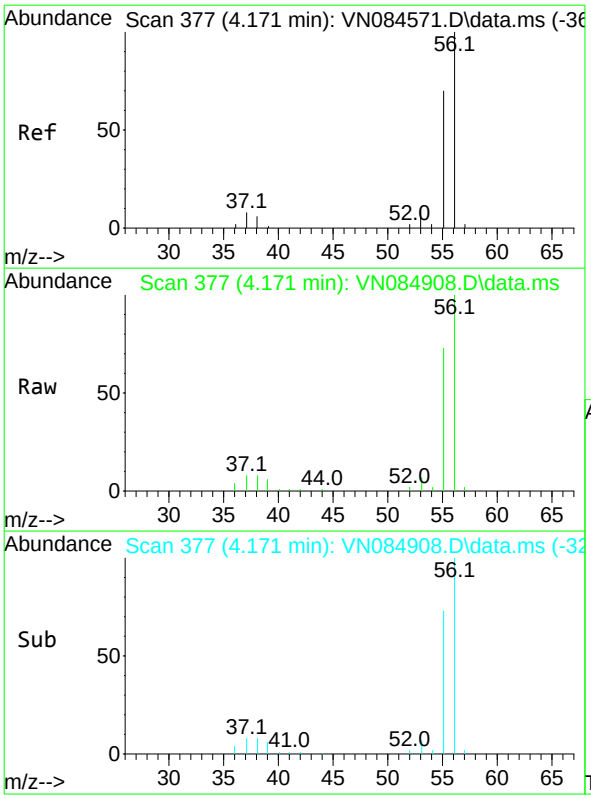


#12
1,1-Dichloroethene
Concen: 50.868 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 96 Resp: 77963

Ion	Ratio	Lower	Upper
96	100		
61	164.1	128.6	192.8
98	68.5	51.7	77.5

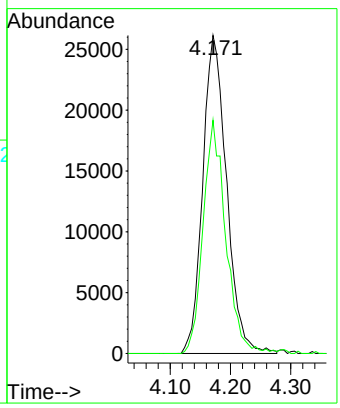




#13
Acrolein
Concen: 280.745 ug/l
RT: 4.171 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 56 Resp: 71831

Ion	Ratio	Lower	Upper
56	100		
55	69.2	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
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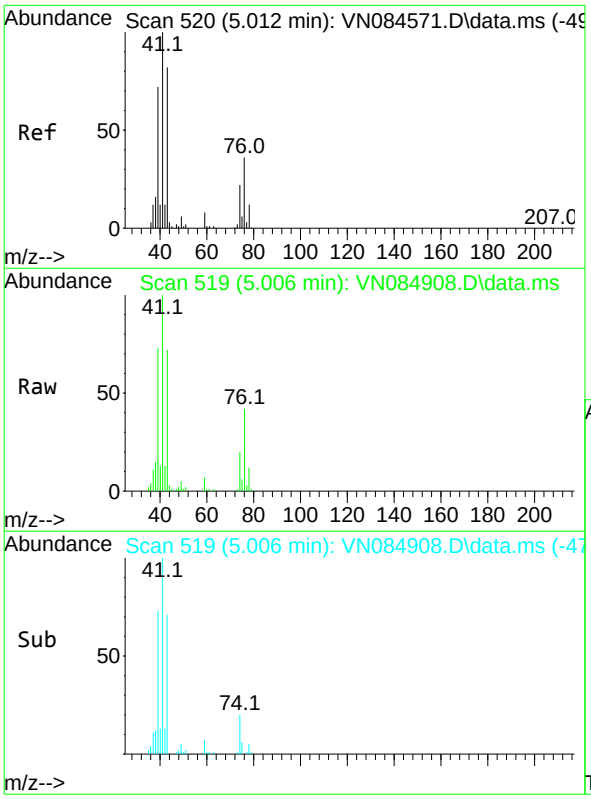
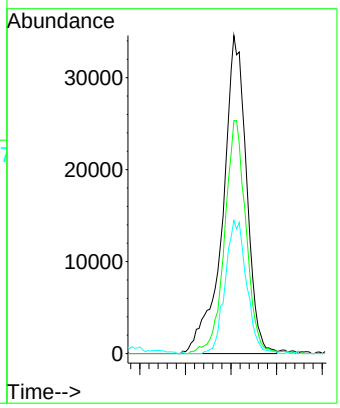
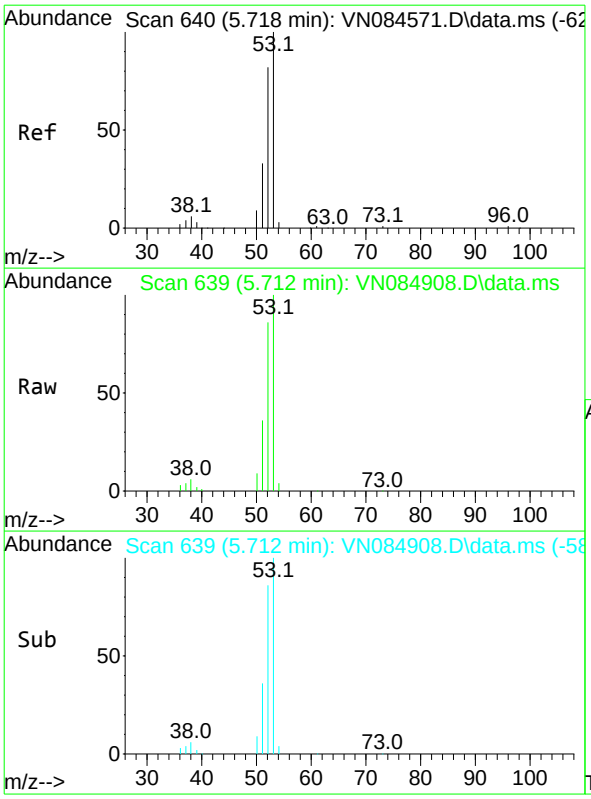


#14
Allyl chloride
Concen: 50.421 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.018 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 41 Resp: 125324

Ion	Ratio	Lower	Upper
41	100		
39	66.0	59.0	88.6
76	37.6	29.8	44.6

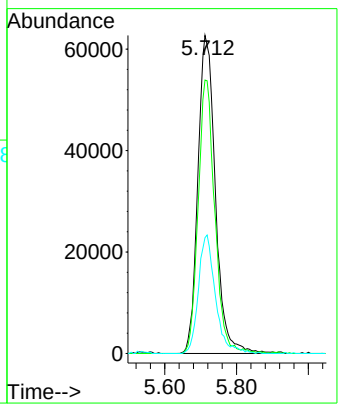




#15
Acrylonitrile
Concen: 286.360 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.006 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 53 Resp: 212708

Ion	Ratio	Lower	Upper
53	100		
52	81.0	66.2	99.4
51	36.2	28.8	43.2



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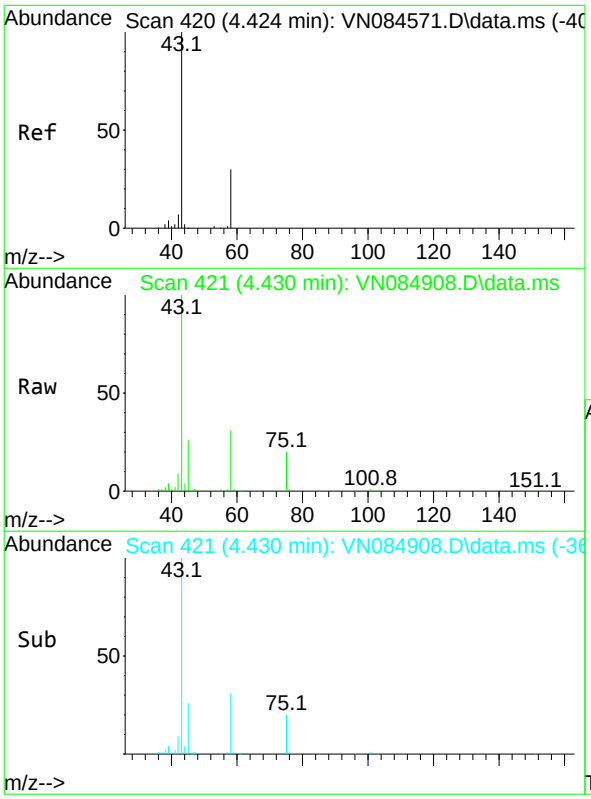
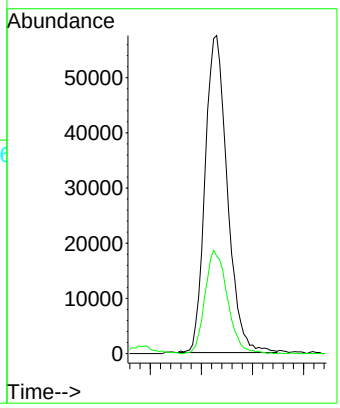
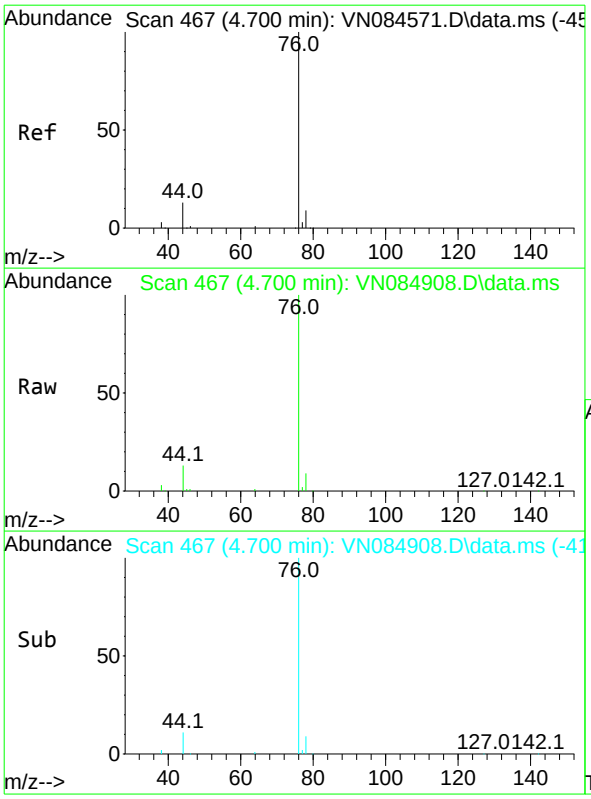


#16
Acetone
Concen: 310.122 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 43 Resp: 173751

Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.4	36.6

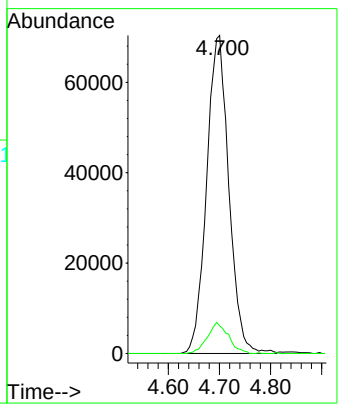




#17
Carbon Disulfide
Concen: 45.009 ug/l
RT: 4.700 min Scan# 46
Delta R.T. -0.012 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 76 Resp: 212436

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.3	10.9



Instrument :
MSVOA_N
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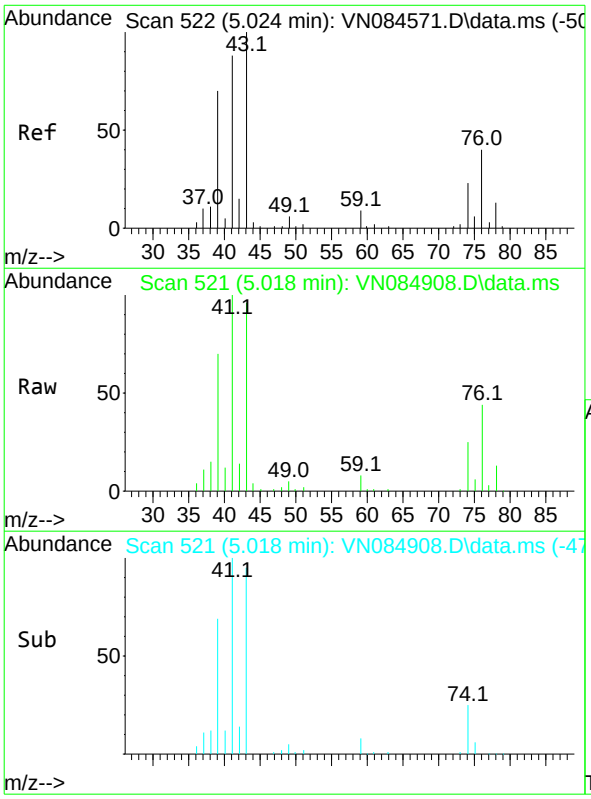
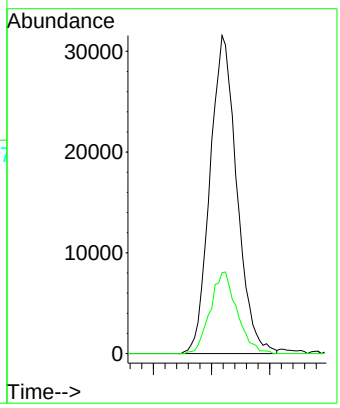
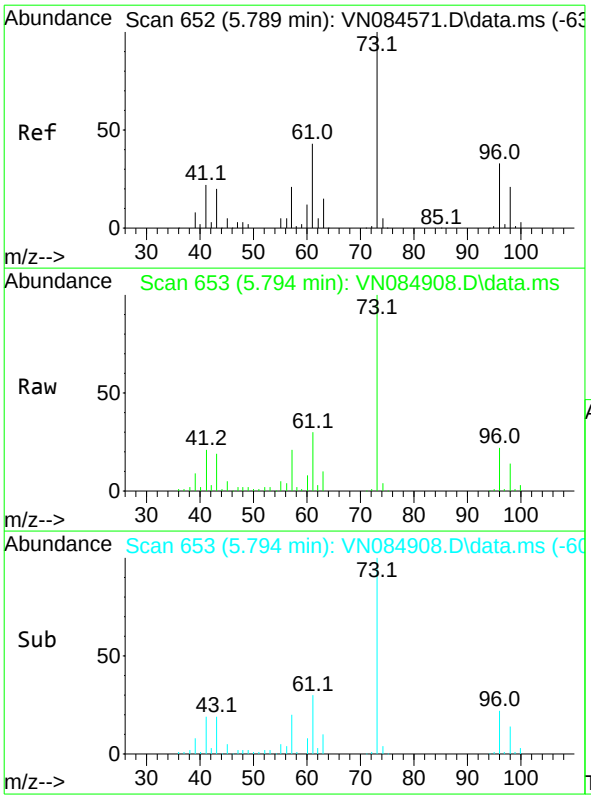


#18
Methyl Acetate
Concen: 49.340 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 43 Resp: 101310

Ion	Ratio	Lower	Upper
43	100		
74	25.5	19.2	28.8

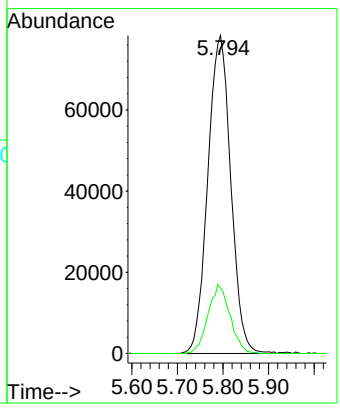




#19
Methyl tert-butyl Ether
Concen: 58.382 ug/l
RT: 5.794 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 73 Resp: 274256

Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

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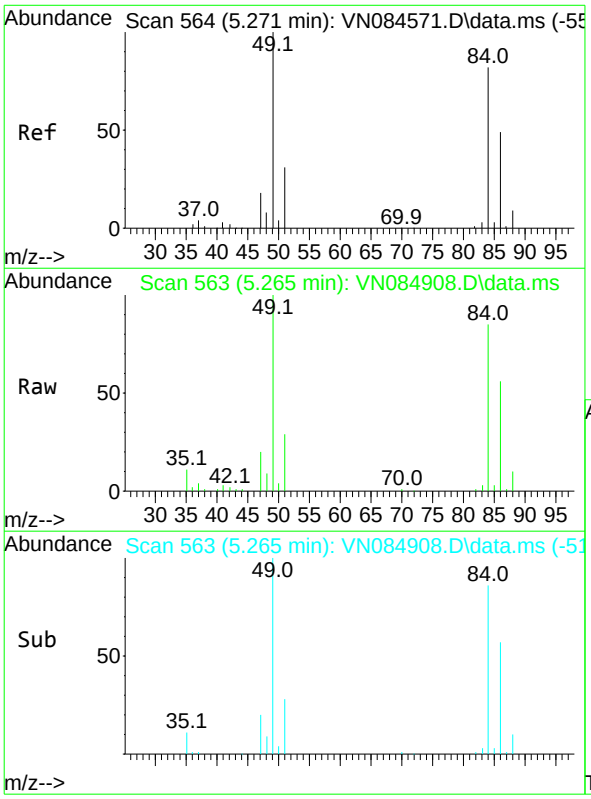
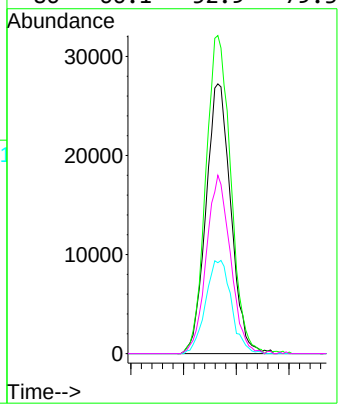
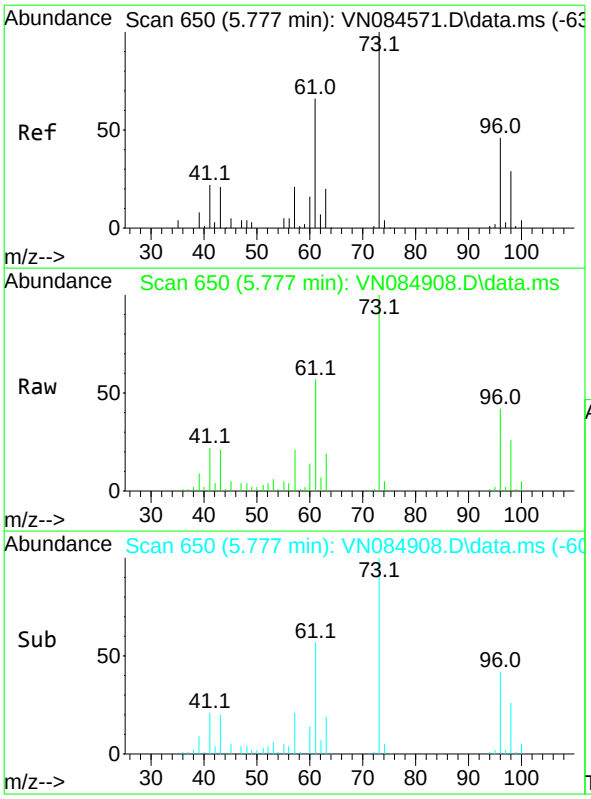


#20
Methylene Chloride
Concen: 52.251 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 84 Resp: 89331

Ion	Ratio	Lower	Upper
84	100		
49	117.9	107.2	160.8
51	33.7	31.8	47.8
86	66.1	52.9	79.3

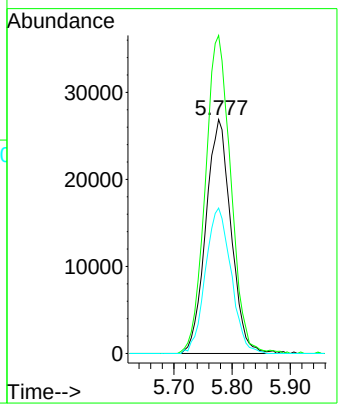




#21
trans-1,2-Dichloroethene
Concen: 51.437 ug/l
RT: 5.777 min Scan# 65
Delta R.T. -0.012 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 96 Resp: 80949

Ion	Ratio	Lower	Upper
96	100		
61	136.0	108.4	162.6
98	62.1	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
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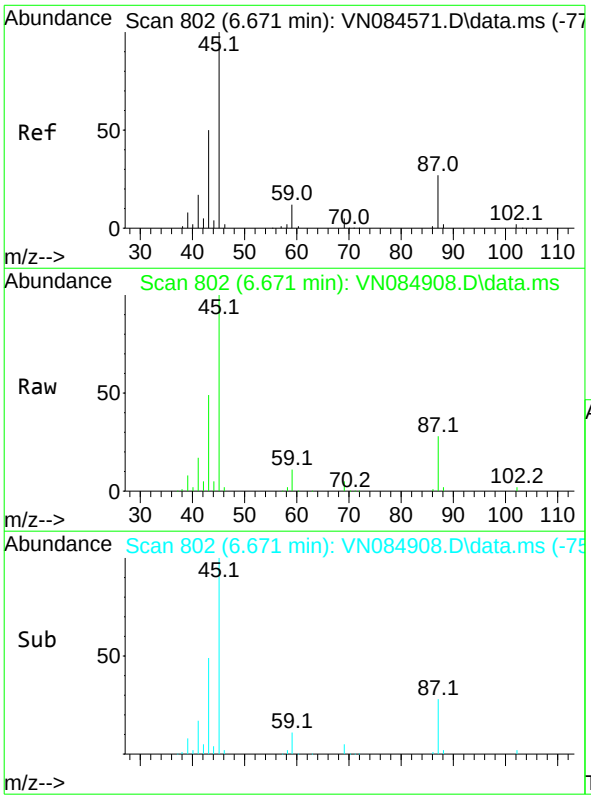
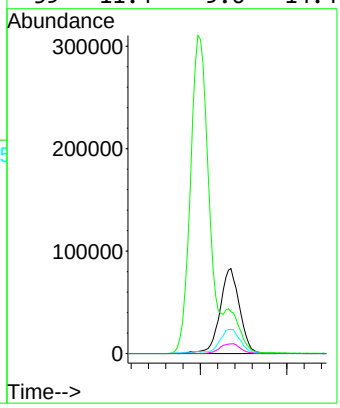
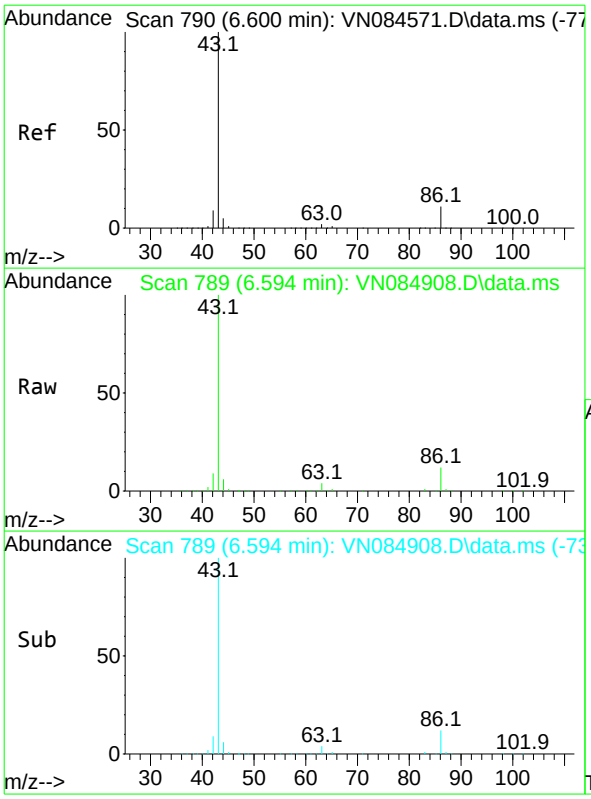


#22
Diisopropyl ether
Concen: 53.019 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 45 Resp: 261853

Ion	Ratio	Lower	Upper
45	100		
43	48.3	42.3	63.5
87	28.4	21.8	32.6
59	11.4	9.6	14.4

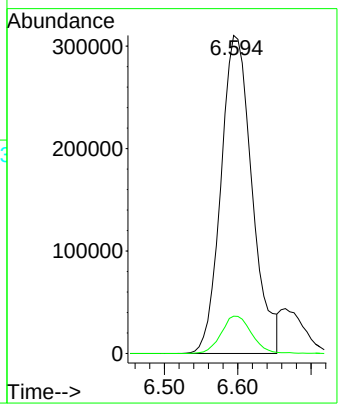




#23
Vinyl Acetate
Concen: 269.199 ug/l
RT: 6.594 min Scan# 78
Delta R.T. -0.006 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 43 Resp: 916858

Ion	Ratio	Lower	Upper
43	100		
86	11.7	8.6	12.8



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MSVOA_N
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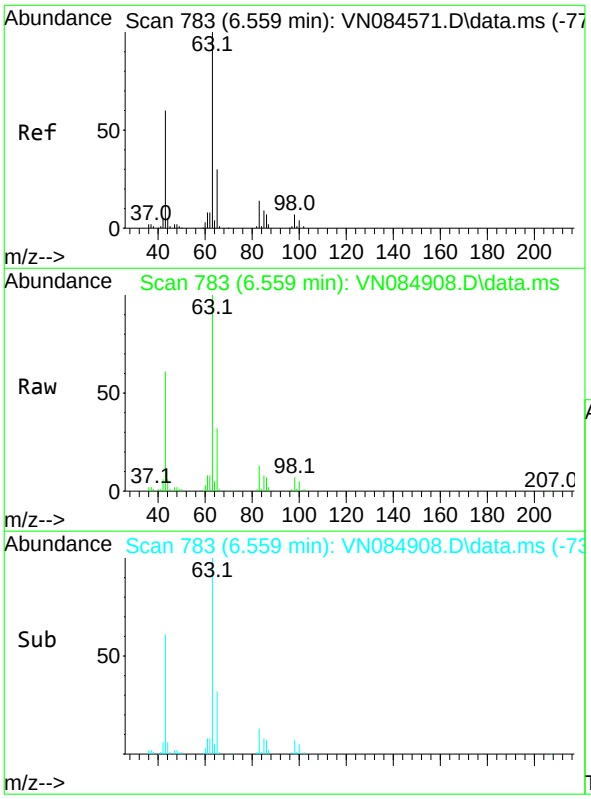
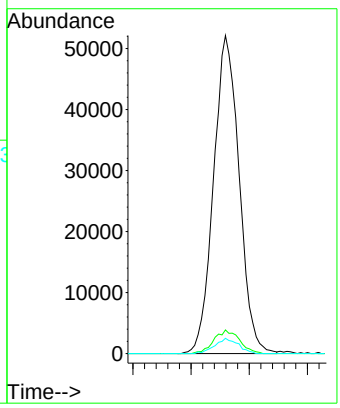
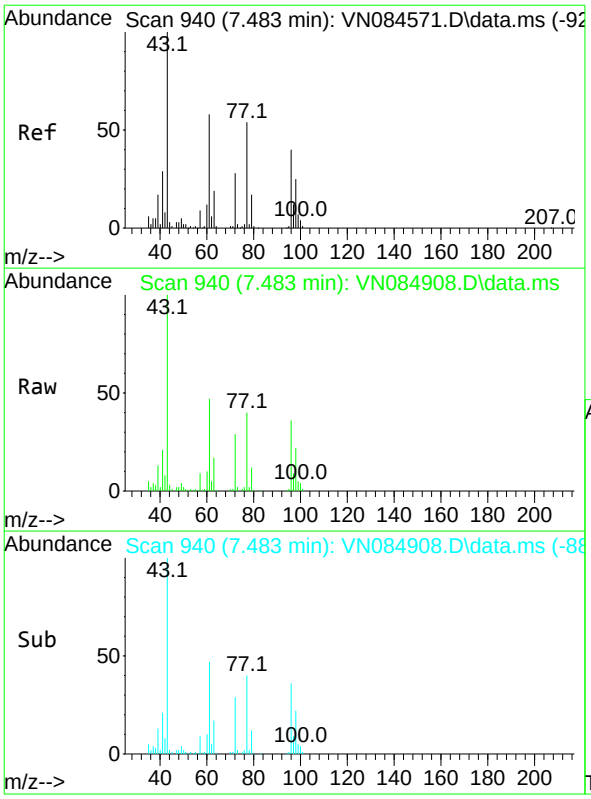


#24
1,1-Dichloroethane
Concen: 53.692 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 63 Resp: 159204

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.4	10.2
100	4.8	2.0	5.8

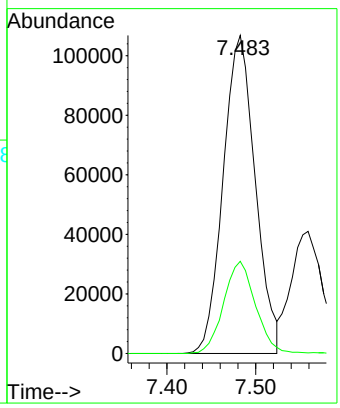




#25
2-Butanone
Concen: 296.227 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 43 Resp: 268641

Ion	Ratio	Lower	Upper
43	100		
72	29.0	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
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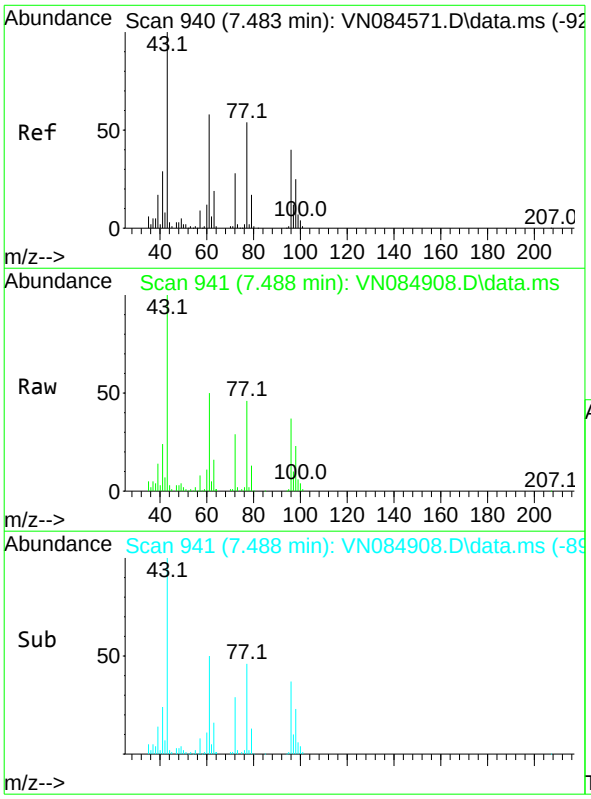
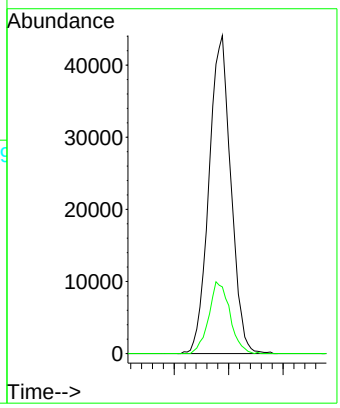
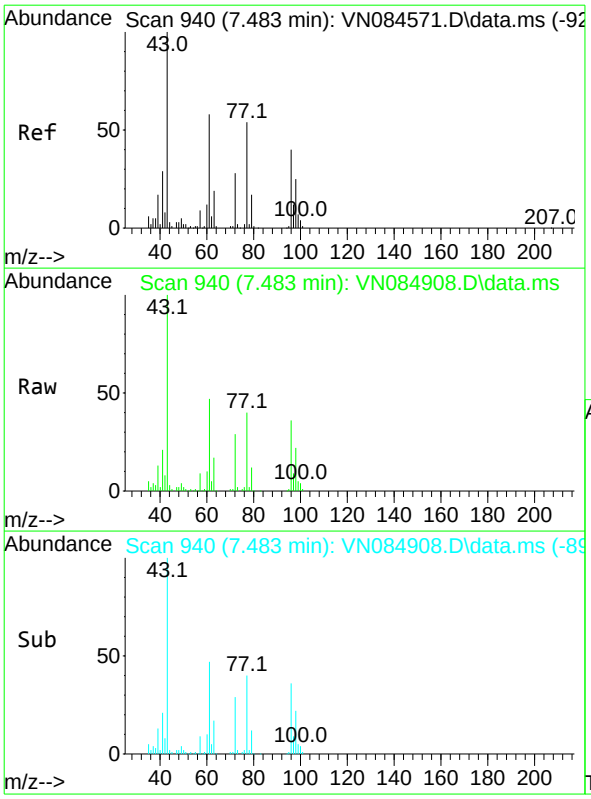


#26
2,2-Dichloropropane
Concen: 47.714 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 77 Resp: 123140

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.8	32.3

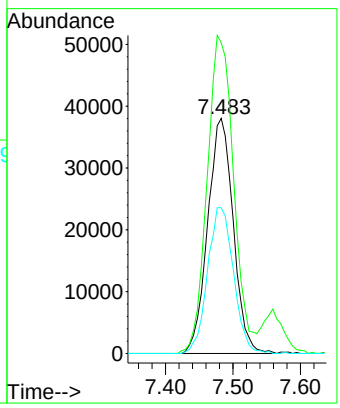




#27
cis-1,2-Dichloroethene
Concen: 54.471 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 96 Resp: 100096

Ion	Ratio	Lower	Upper
96	100		
61	140.6	0.0	301.8
98	63.0	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
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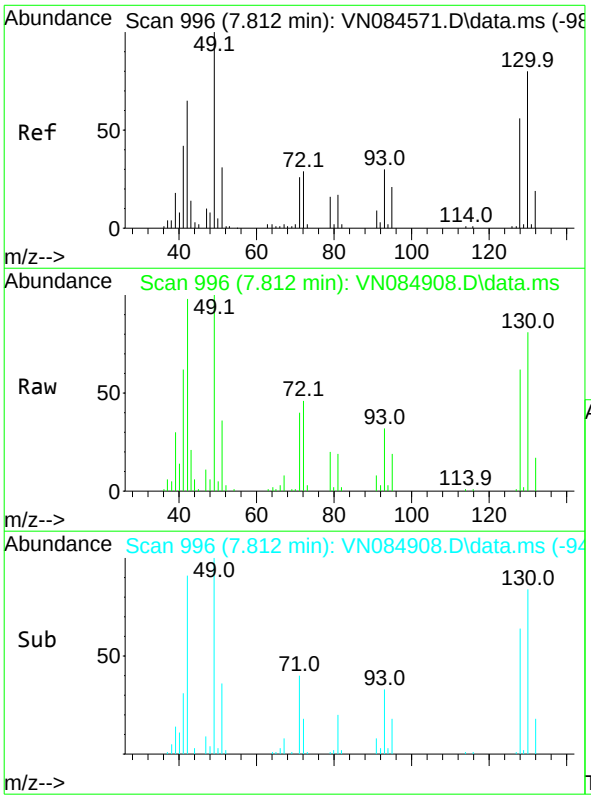
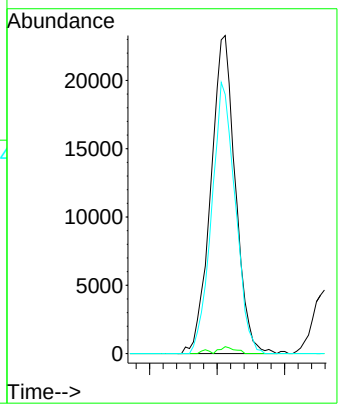
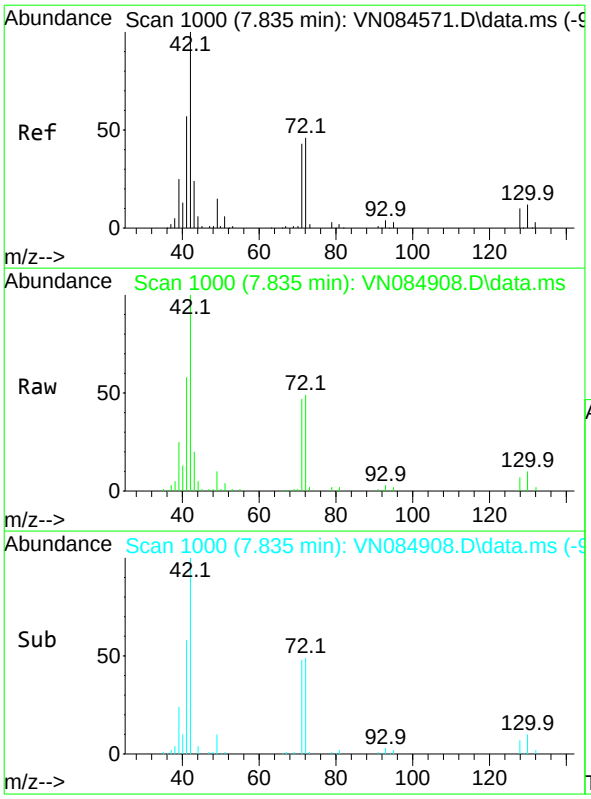


#28
Bromochloromethane
Concen: 49.861 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 49 Resp: 58903

Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.6
130	82.0	58.0	87.0

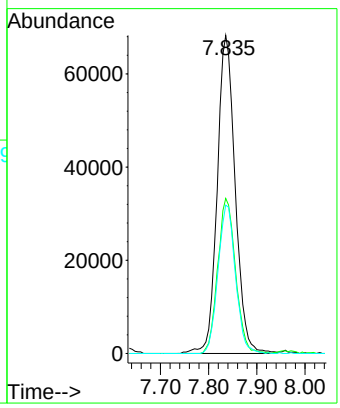




#29
Tetrahydrofuran
Concen: 293.770 ug/l
RT: 7.835 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 42 Resp: 176742

Ion	Ratio	Lower	Upper
42	100		
72	48.3	34.6	51.8
71	45.3	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
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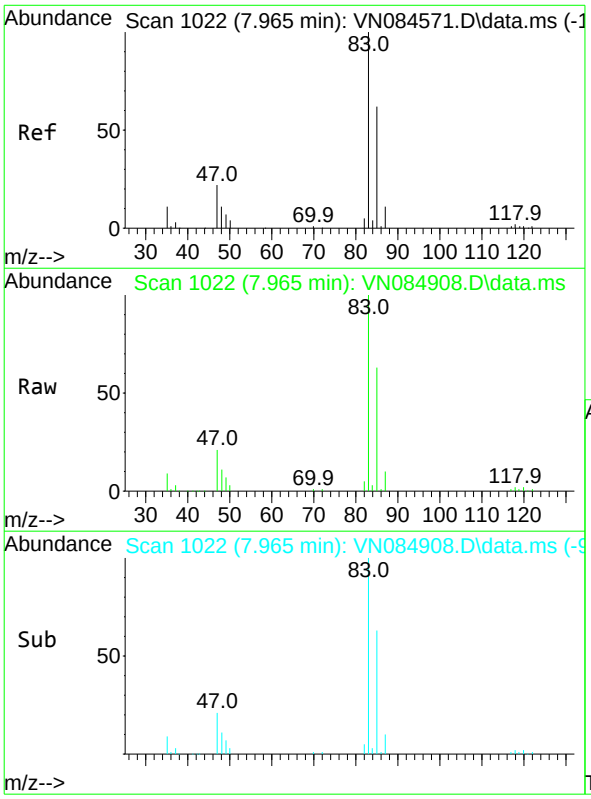
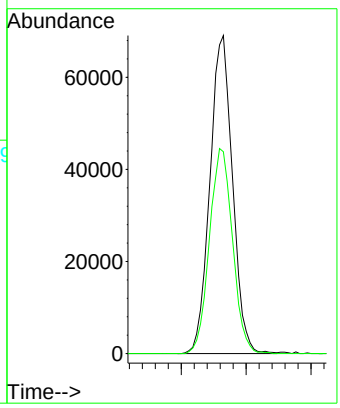
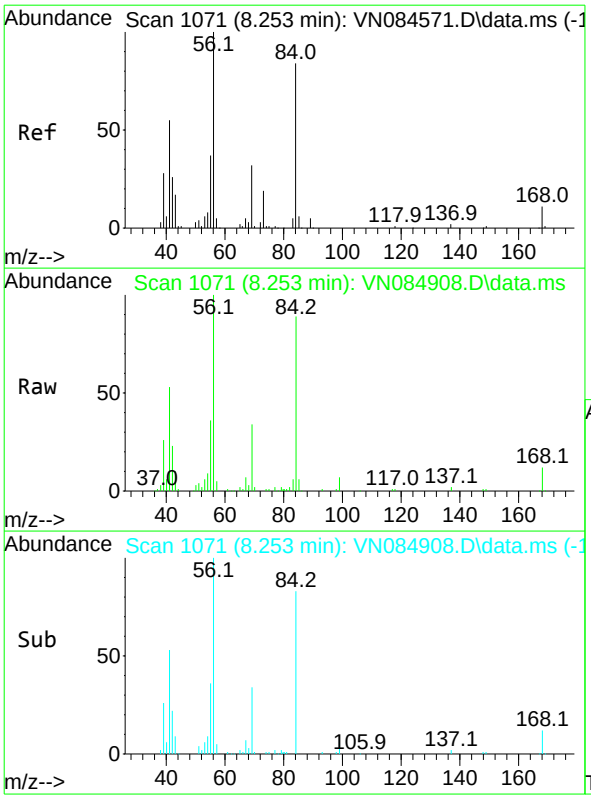


#30
Chloroform
Concen: 55.361 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 83 Resp: 167080

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.0	76.4

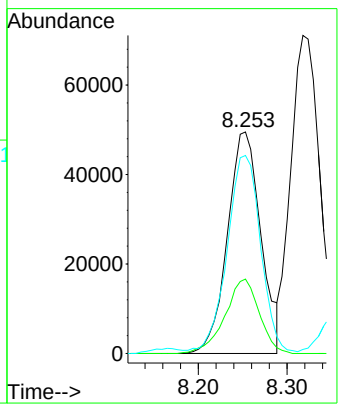




#31
Cyclohexane
Concen: 48.224 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 56 Resp: 129419

Ion	Ratio	Lower	Upper
56	100		
69	33.6	23.8	35.6
84	87.7	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
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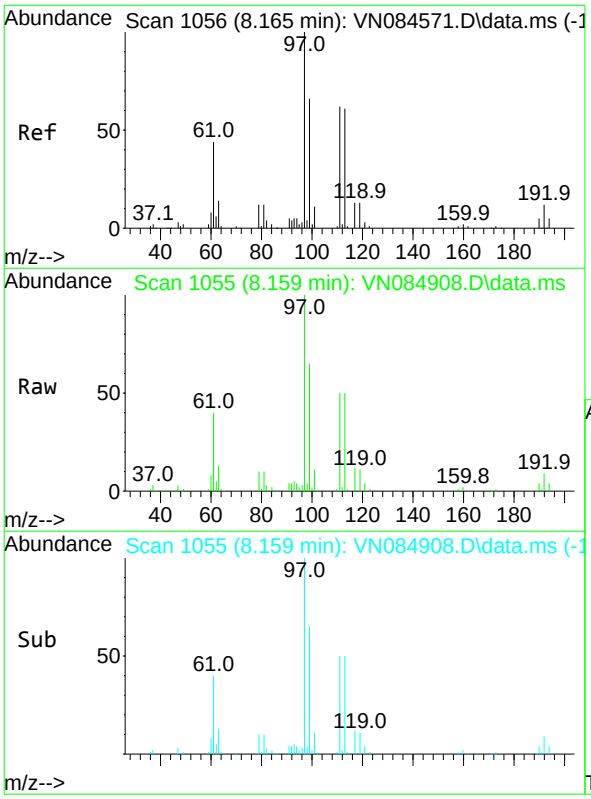
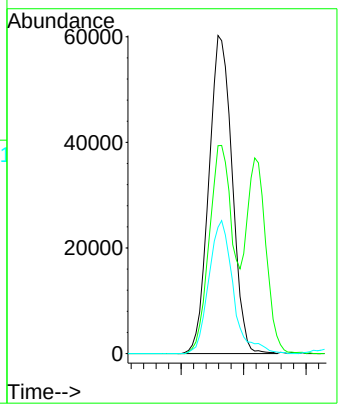
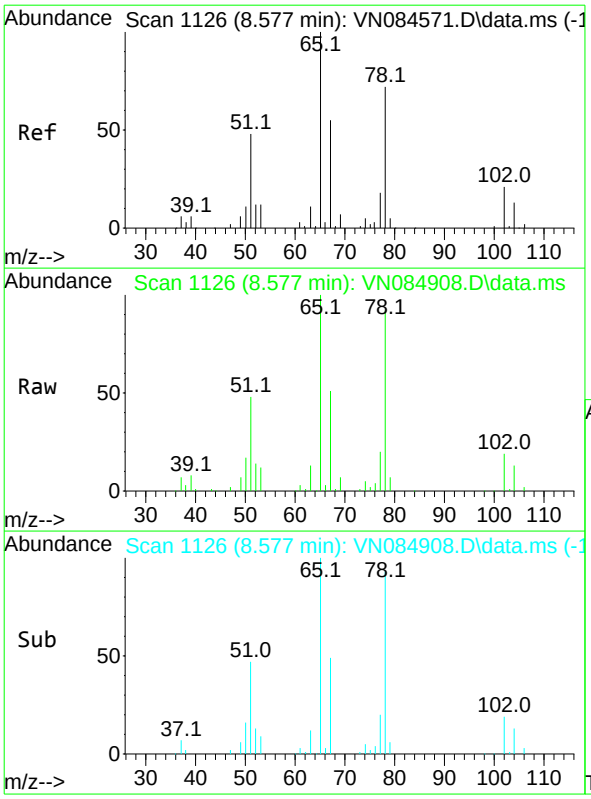


#32
1,1,1-Trichloroethane
Concen: 56.803 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.012 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 97 Resp: 156032

Ion	Ratio	Lower	Upper
97	100		
99	66.4	51.2	76.8
61	43.7	37.5	56.3

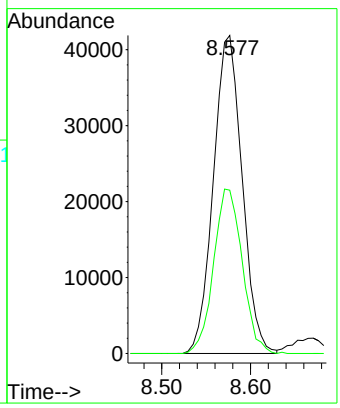




#33
1,2-Dichloroethane-d4
Concen: 48.471 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 65 Resp: 94220

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
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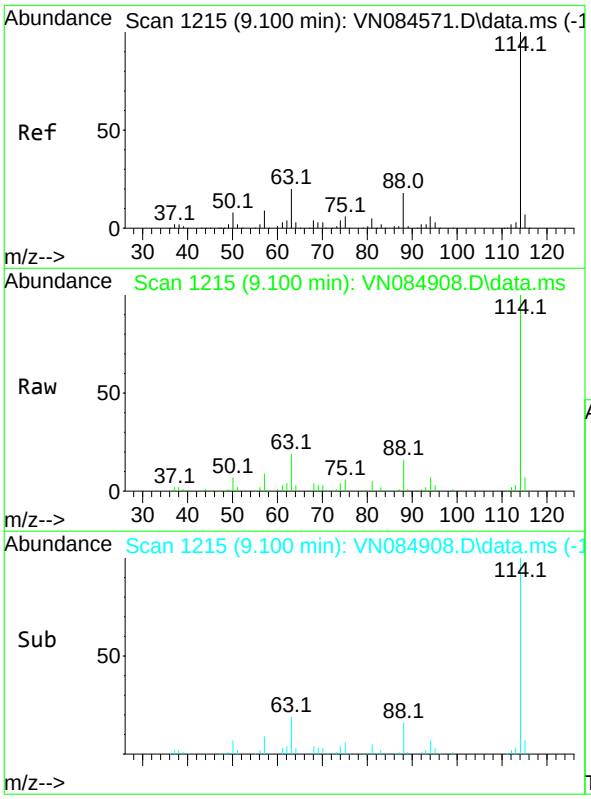
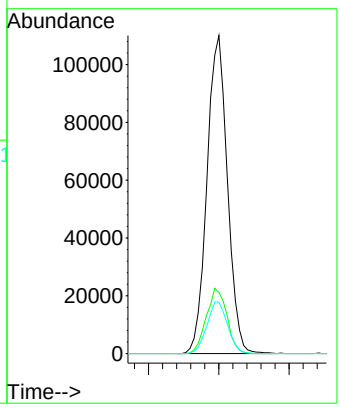
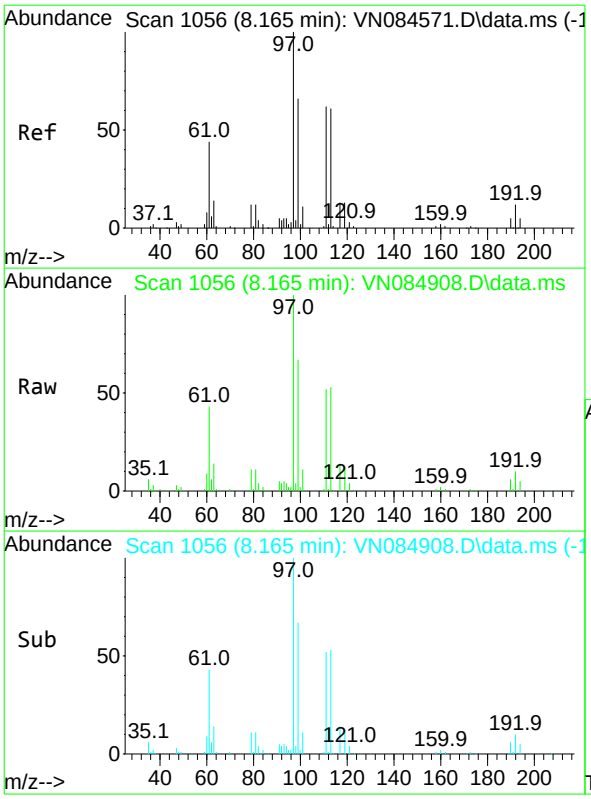


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:114 Resp: 222451

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	43.8
88	16.2	0.0	31.6

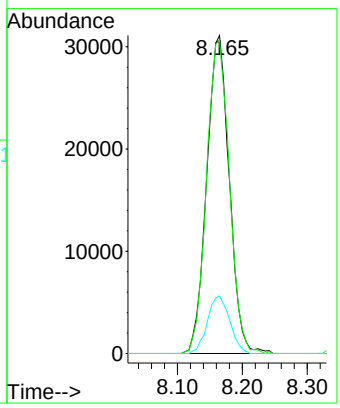




#35
Dibromofluoromethane
Concen: 49.934 ug/l
RT: 8.165 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:113 Resp: 75187

Ion	Ratio	Lower	Upper
113	100		
111	99.6	83.3	124.9
192	17.8	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
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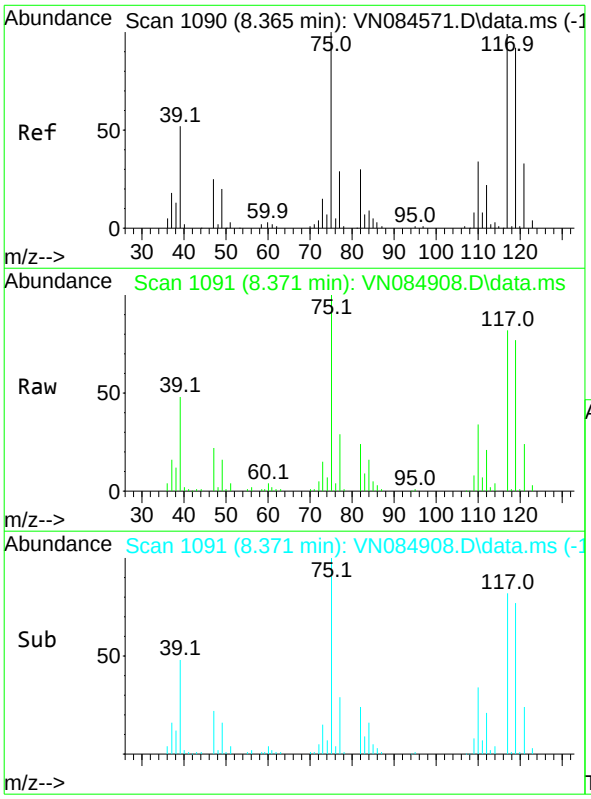
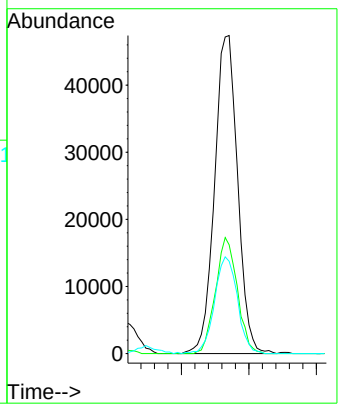
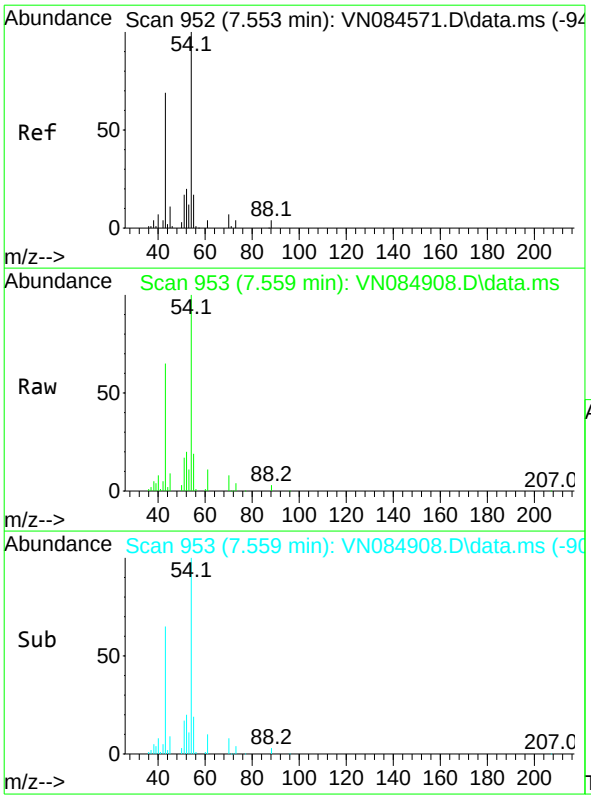


#36
1,1-Dichloropropene
Concen: 53.851 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 75 Resp: 112455

Ion	Ratio	Lower	Upper
75	100		
110	34.5	16.9	50.7
77	30.2	24.7	37.1

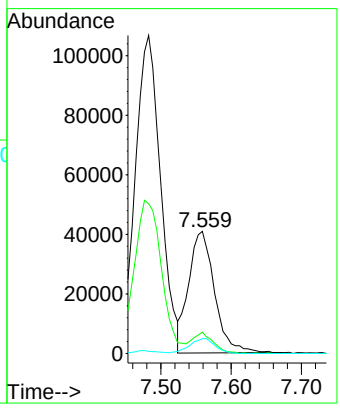




#37
Ethyl Acetate
Concen: 55.202 ug/l
RT: 7.559 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 43 Resp: 104589

Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.7	16.1
70	12.0	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

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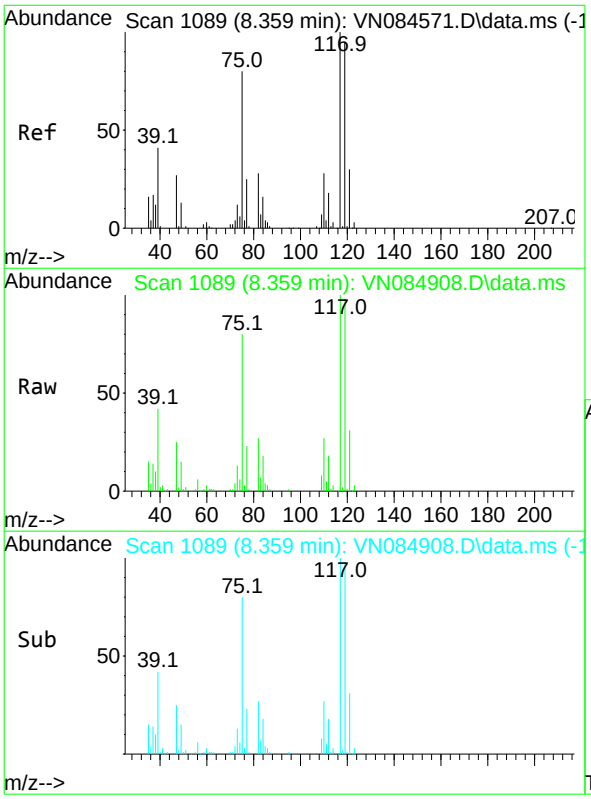
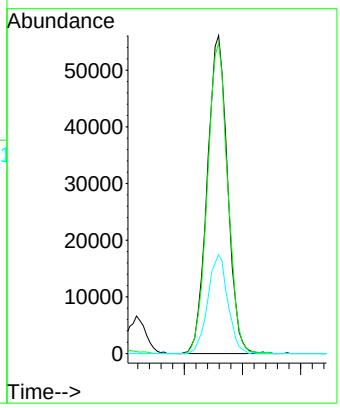
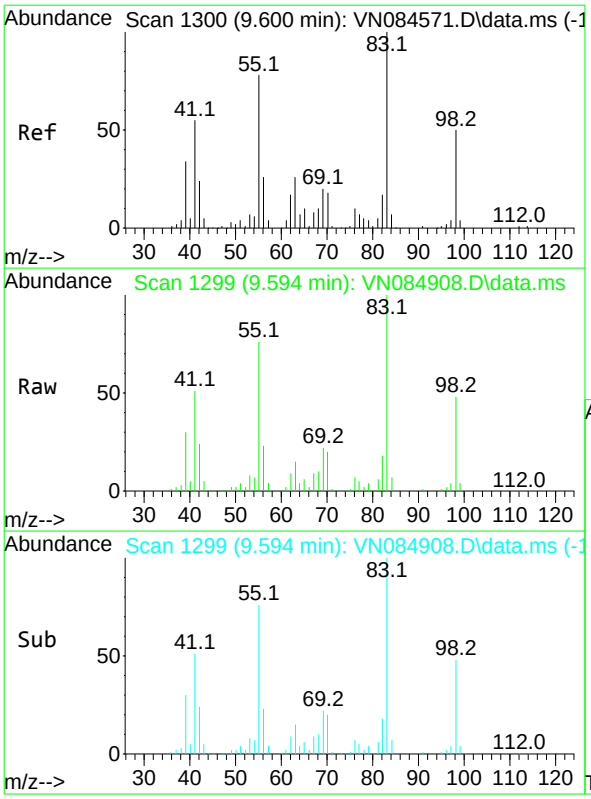


#38
Carbon Tetrachloride
Concen: 58.330 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:117 Resp: 136149

Ion	Ratio	Lower	Upper
117	100		
119	97.7	78.7	118.1
121	31.1	24.4	36.6

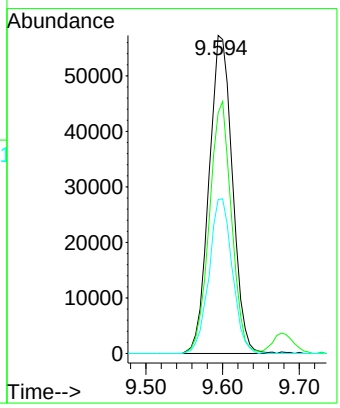




#39
Methylcyclohexane
Concen: 56.944 ug/l
RT: 9.594 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 83 Resp: 120973

Ion	Ratio	Lower	Upper
83	100		
55	75.7	62.8	94.2
98	48.4	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
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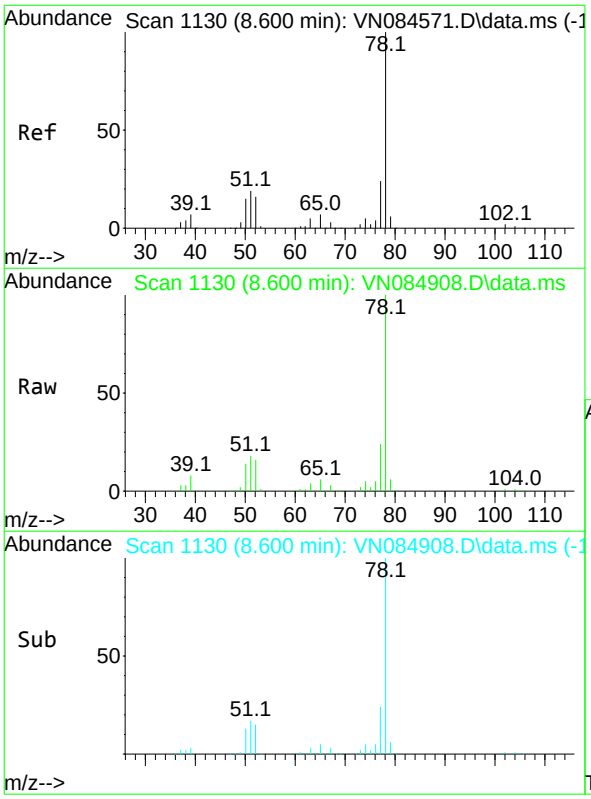
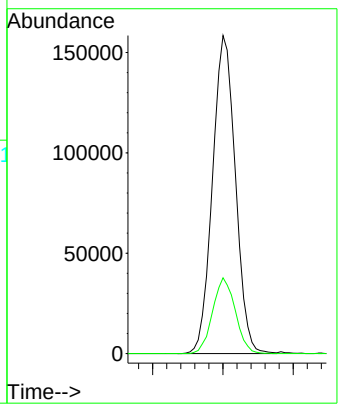
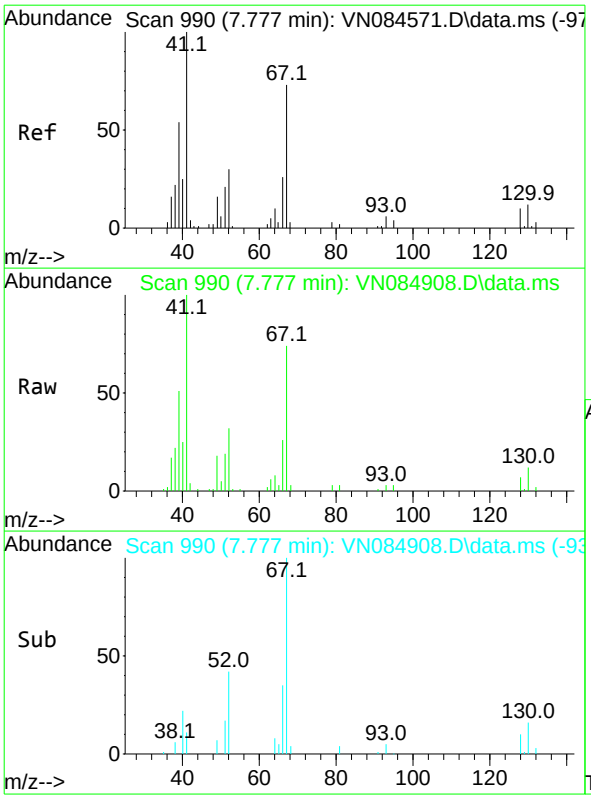


#40
Benzene
Concen: 53.549 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 78 Resp: 359117

Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7

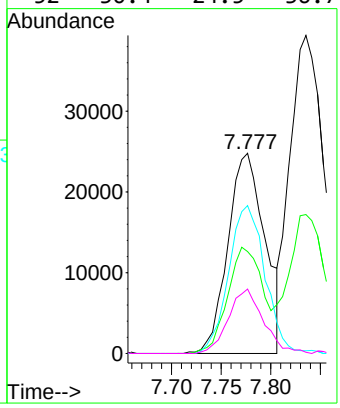




#41
Methacrylonitrile
Concen: 63.136 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 41 Resp: 64327

Ion	Ratio	Lower	Upper
41	100		
39	50.0	43.3	64.9
67	72.8	56.1	84.1
52	30.4	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
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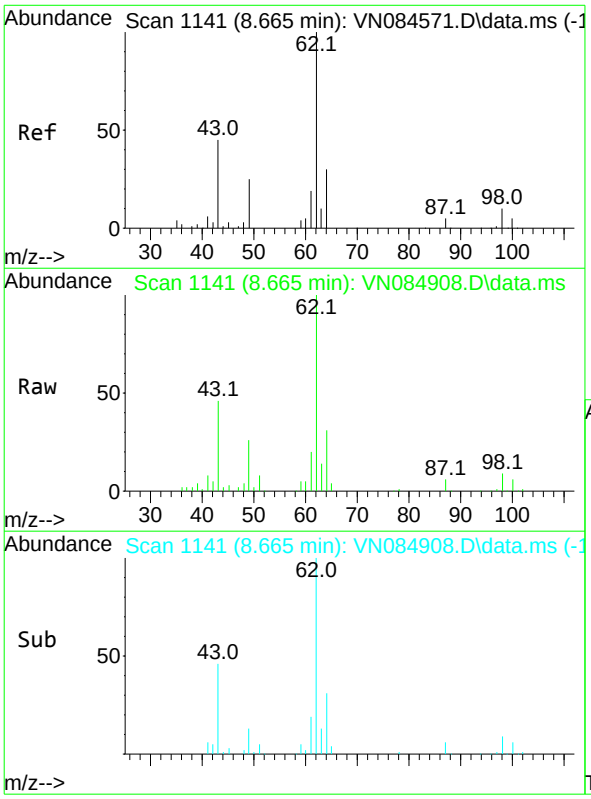
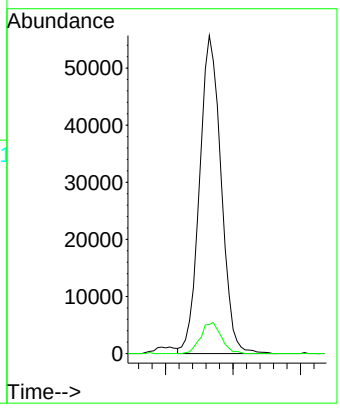
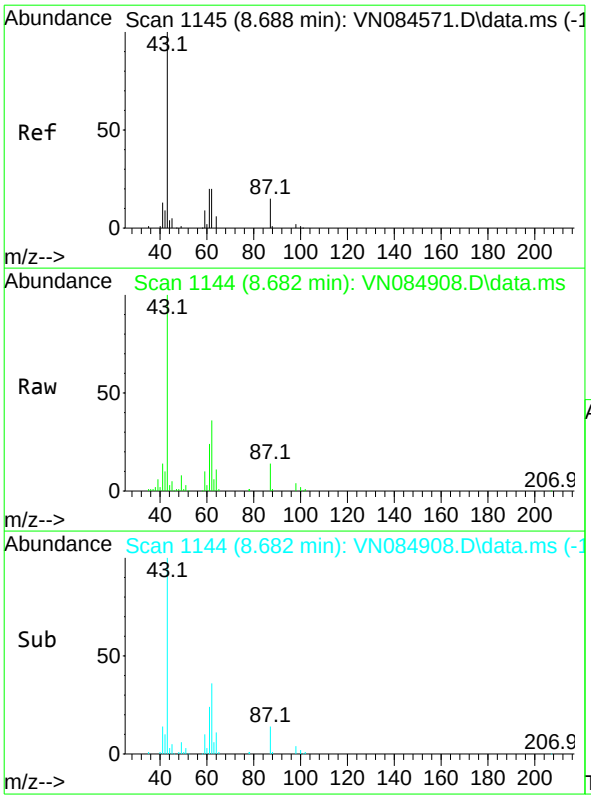


#42
1,2-Dichloroethane
Concen: 56.972 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 62 Resp: 123737

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2





#43
Isopropyl Acetate
Concen: 53.928 ug/l
RT: 8.682 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 43 Resp: 188497

Ion	Ratio	Lower	Upper
43	100		
61	27.1	20.4	30.6
87	14.0	10.3	15.5

Instrument :
MSVOA_N
ClientSampleId :
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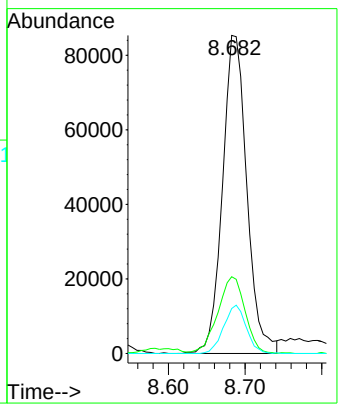
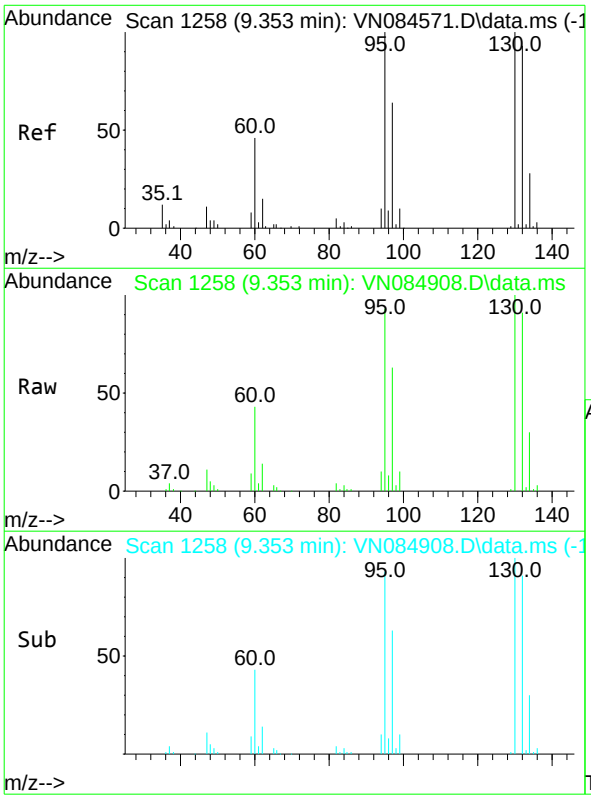
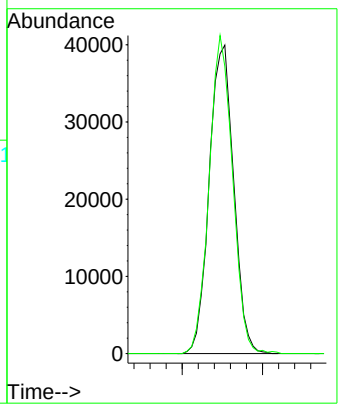


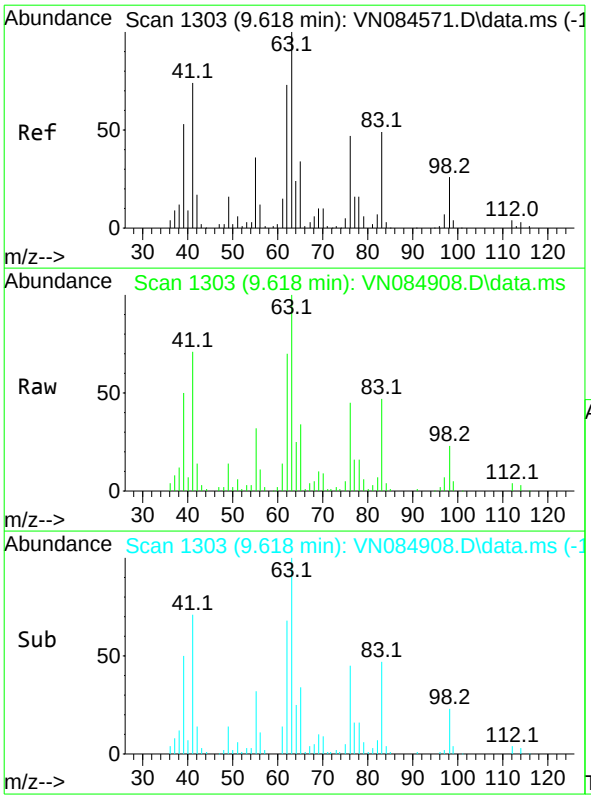


#44
Trichloroethene
Concen: 54.608 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:130 Resp: 84459

Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	203.0

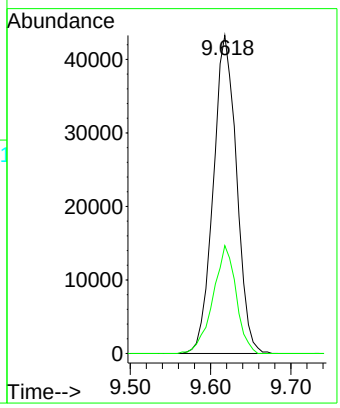




#45
1,2-Dichloropropane
Concen: 55.280 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 63 Resp: 86965

Ion	Ratio	Lower	Upper
63	100		
65	33.9	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
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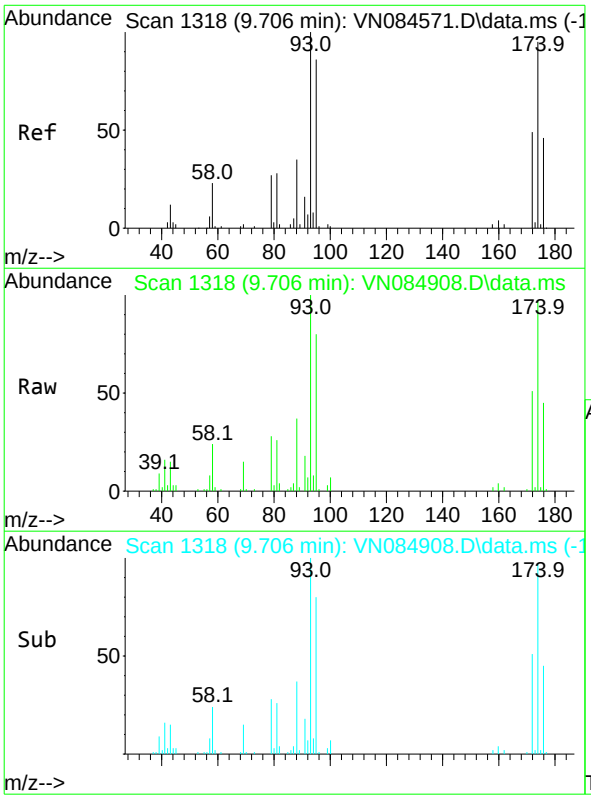
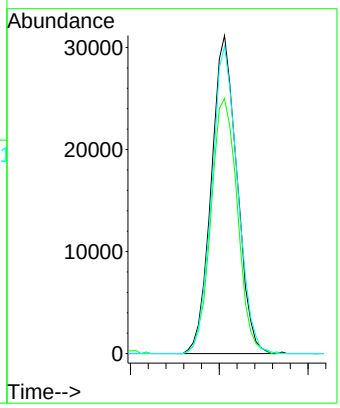
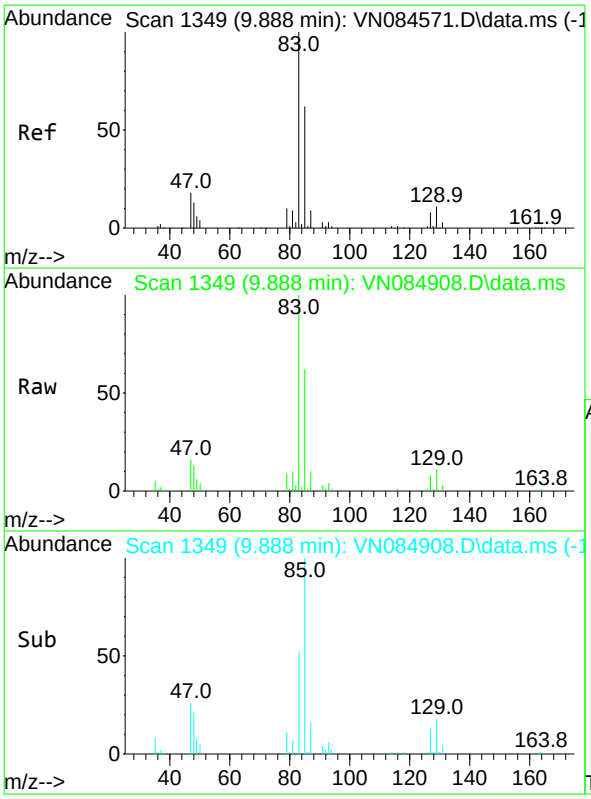


#46
Dibromomethane
Concen: 56.393 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 93 Resp: 62601

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.0	97.4
174	97.0	71.8	107.8

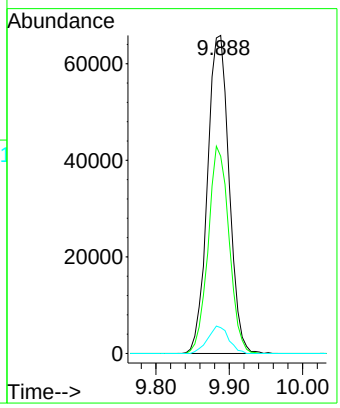




#47
Bromodichloromethane
Concen: 57.565 ug/l
RT: 9.888 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 83 Resp: 134701

Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.5	77.3
127	8.1	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
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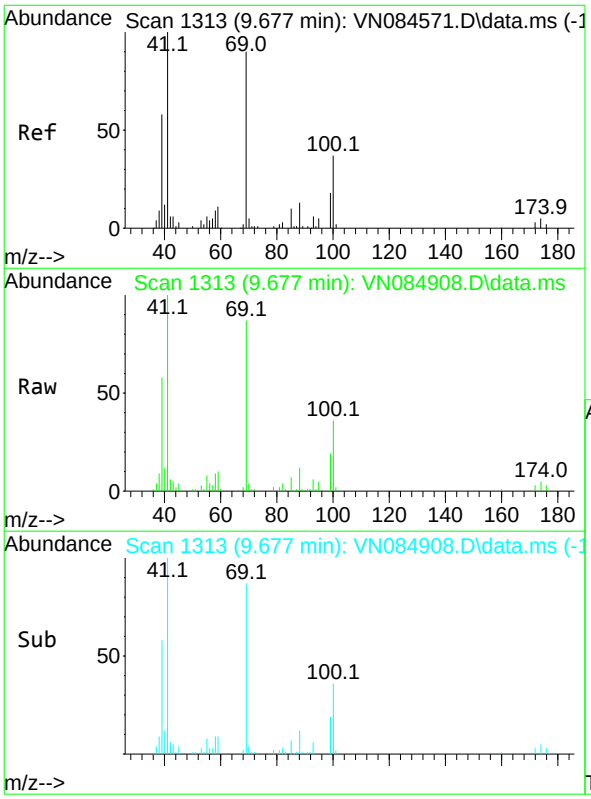
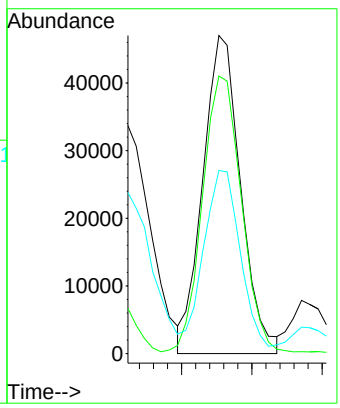
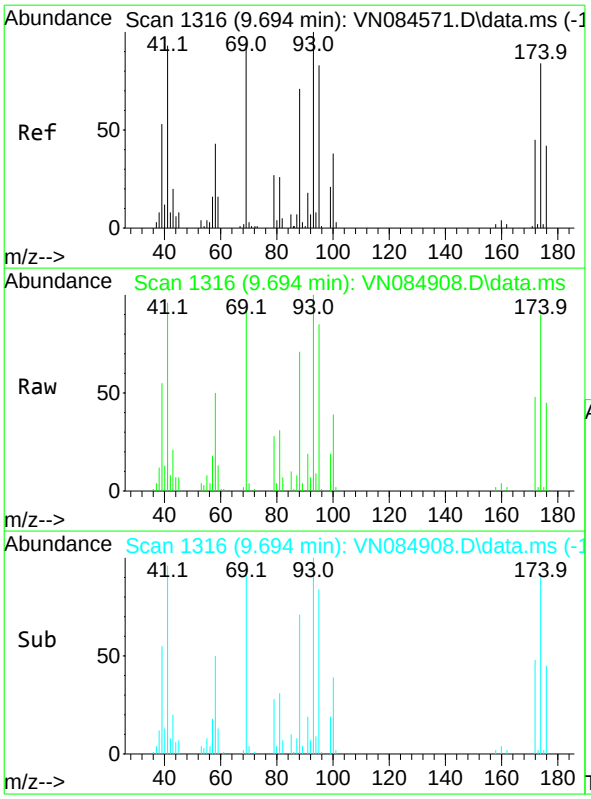


#48
Methyl methacrylate
Concen: 59.556 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 41 Resp: 87819

Ion	Ratio	Lower	Upper
41	100		
69	90.8	67.1	100.7
39	57.0	45.8	68.6

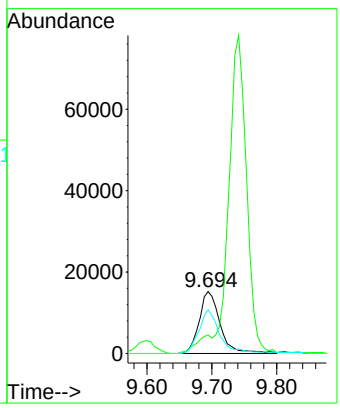




#49
1,4-Dioxane
Concen: 1307.072 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 88 Resp: 34154

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	69.5	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

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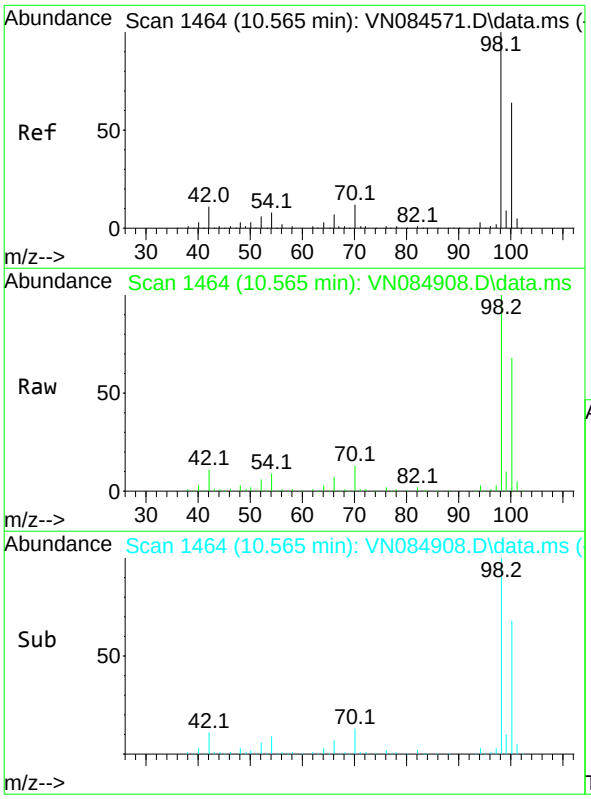
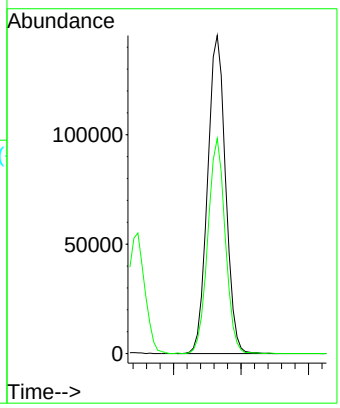
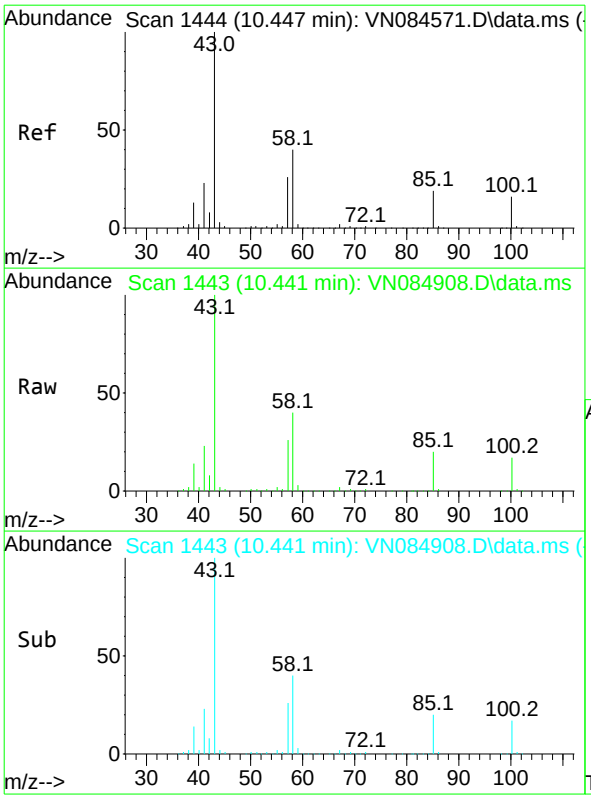


#50
Toluene-d8
Concen: 48.478 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 98 Resp: 268888

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1

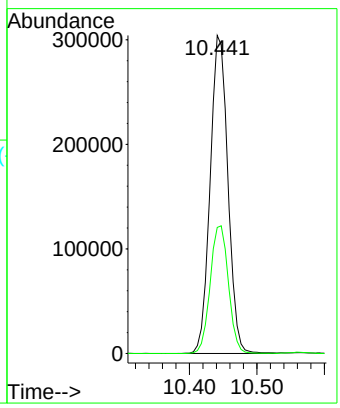




#51
4-Methyl-2-Pentanone
Concen: 307.615 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 43 Resp: 555608

Ion	Ratio	Lower	Upper
43	100		
58	41.3	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
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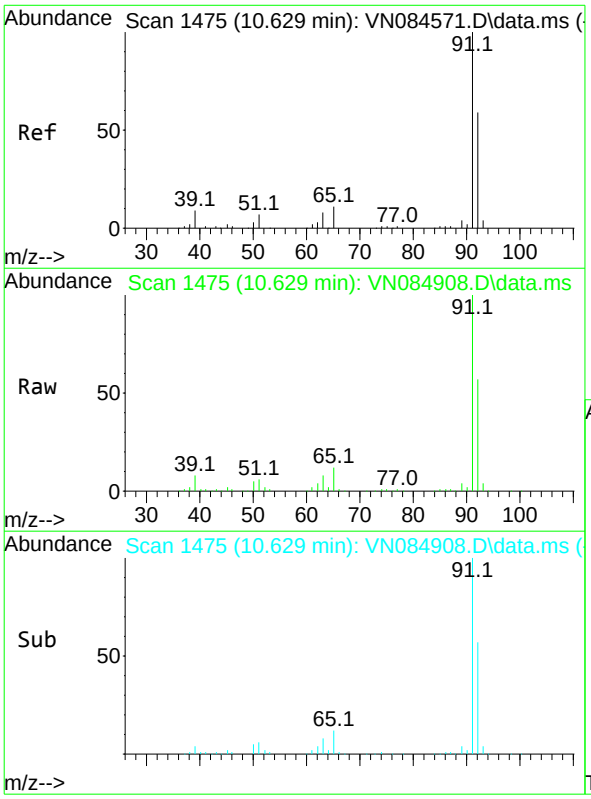
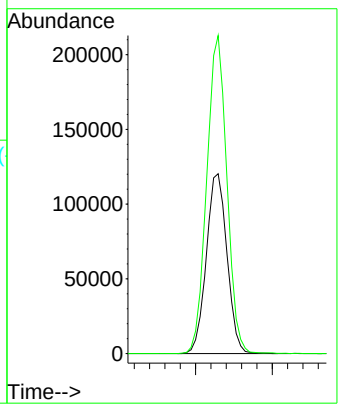
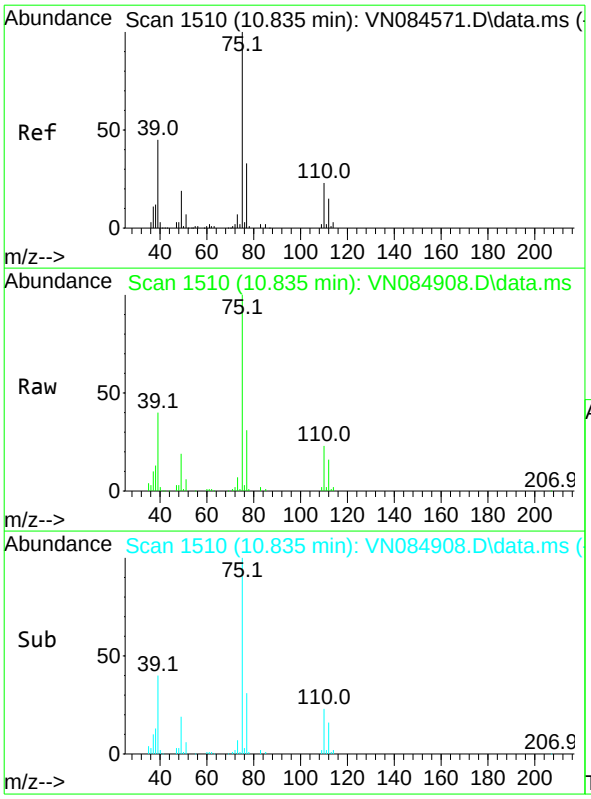


#52
Toluene
Concen: 57.373 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 92 Resp: 225028

Ion	Ratio	Lower	Upper
92	100		
91	172.6	137.3	205.9

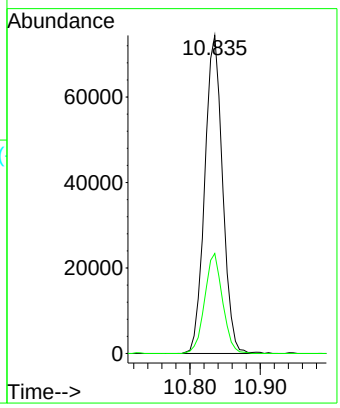




#53
t-1,3-Dichloropropene
Concen: 54.052 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 75 Resp: 130922

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
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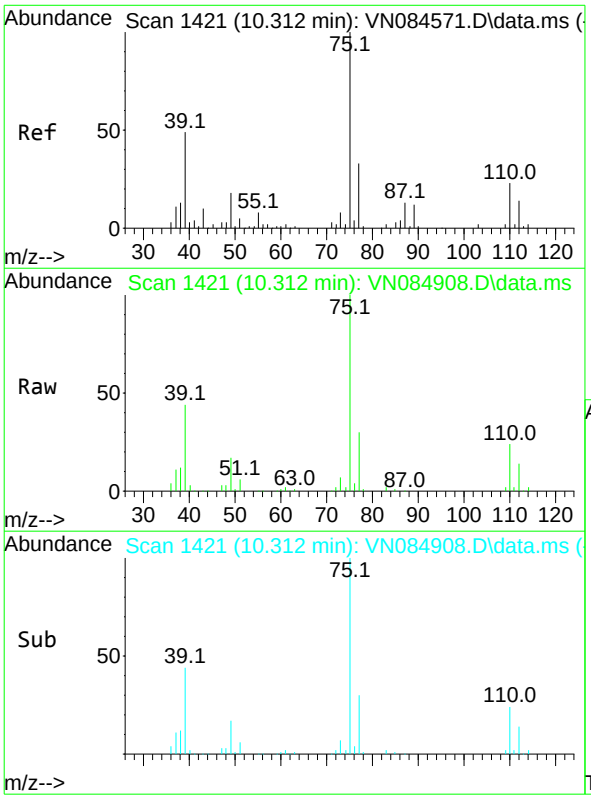
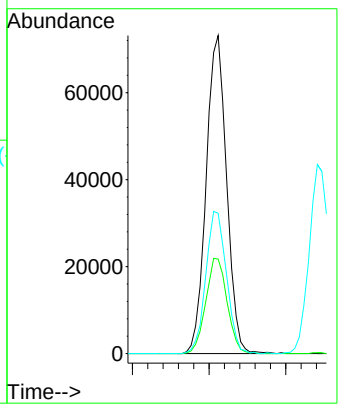
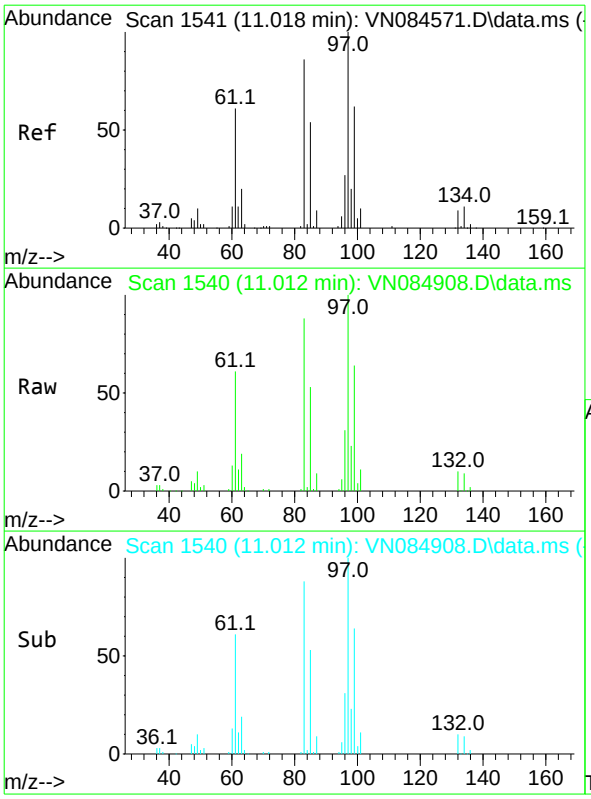


#54
cis-1,3-Dichloropropene
Concen: 52.855 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 75 Resp: 135498

Ion	Ratio	Lower	Upper
75	100		
77	29.7	24.2	36.2
39	44.1	38.7	58.1

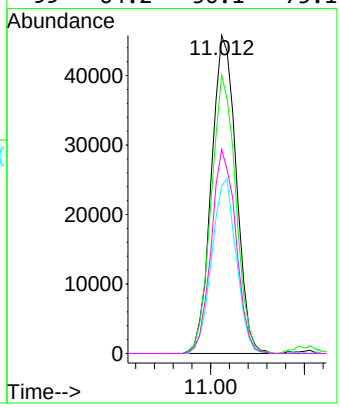




#55
1,1,2-Trichloroethane
Concen: 56.968 ug/l
RT: 11.012 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 97 Resp: 84167

Ion	Ratio	Lower	Upper
97	100		
83	87.5	71.0	106.4
85	52.7	41.7	62.5
99	64.2	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

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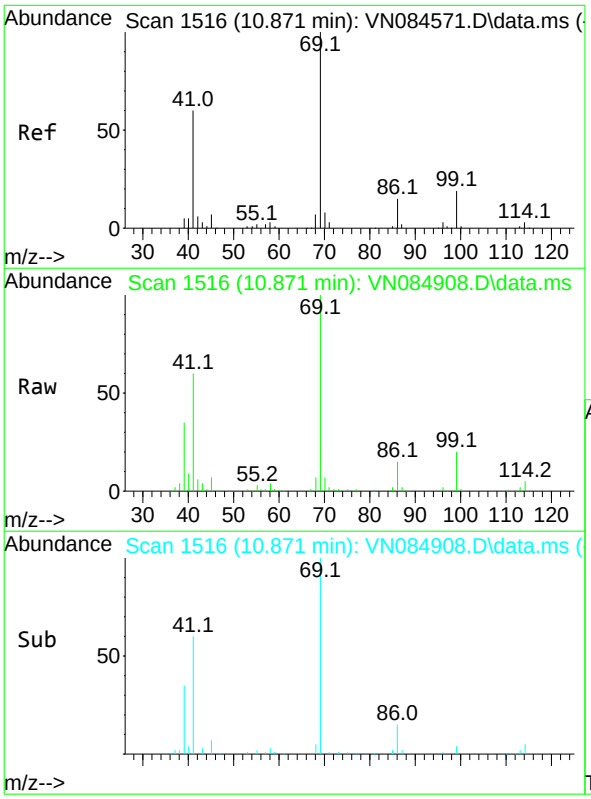
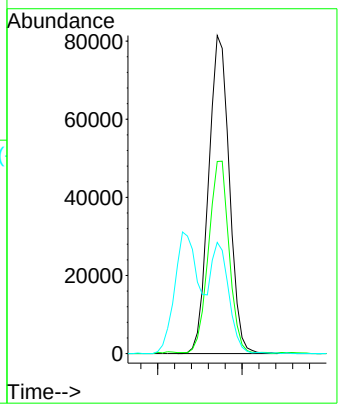
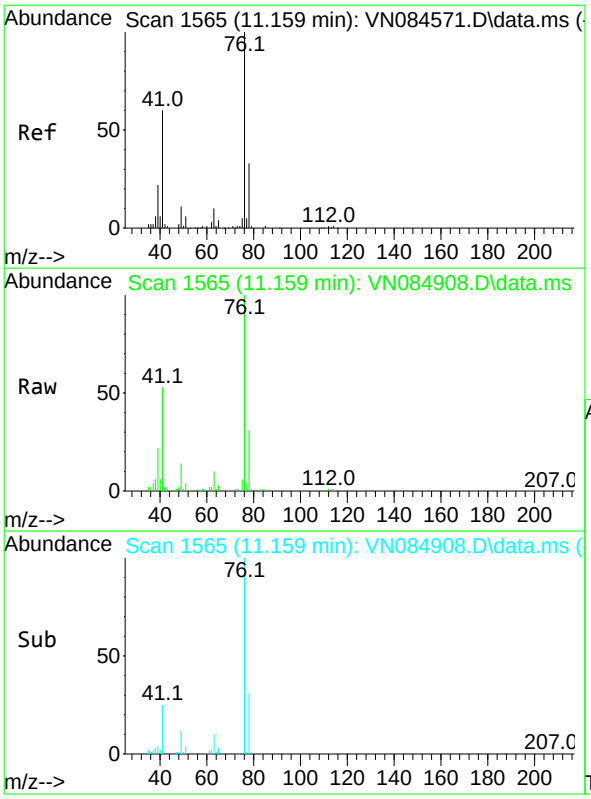


#56
Ethyl methacrylate
Concen: 64.927 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 69 Resp: 138753

Ion	Ratio	Lower	Upper
69	100		
41	60.5	53.3	79.9
39	29.3	28.8	43.2

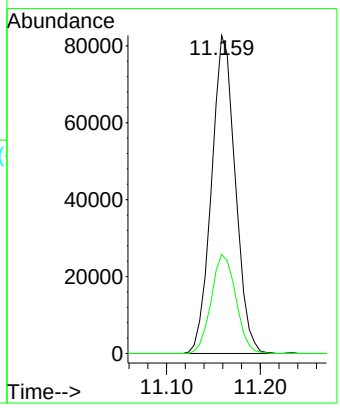




#57
1,3-Dichloropropane
Concen: 57.395 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 76 Resp: 145534

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

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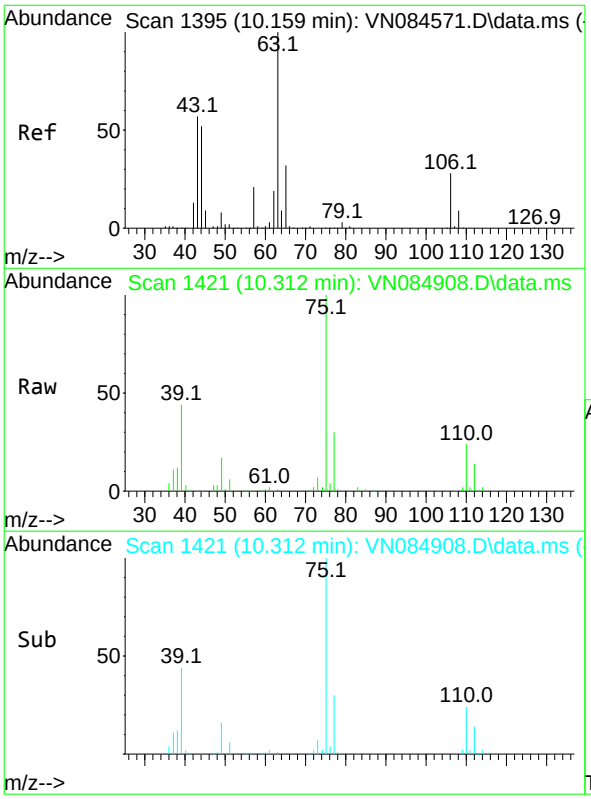
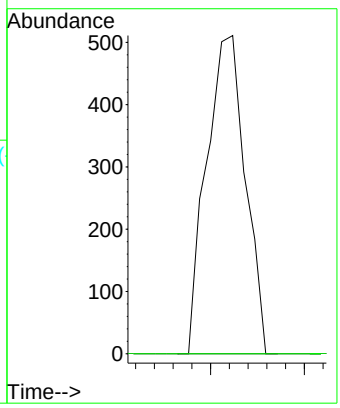
Supervised By :Mahesh Dadoda 11/18/2024

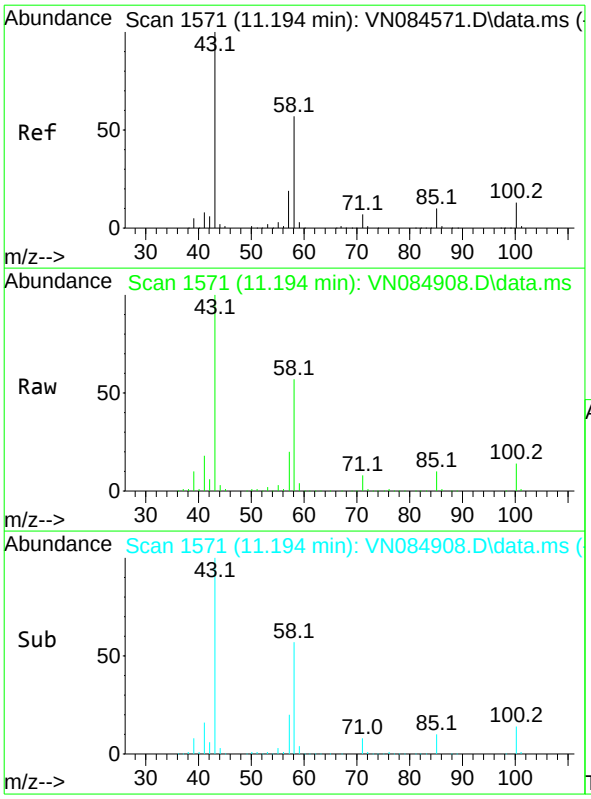


#58
2-Chloroethyl Vinyl ether
Concen: 0.734 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.153 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 63 Resp: 734

Ion	Ratio	Lower	Upper
63	100		
106	0.0	21.8	32.6#

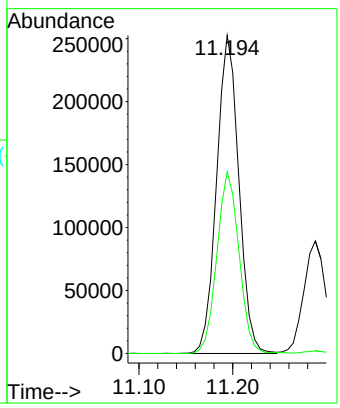




#59
2-Hexanone
Concen: 316.407 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 43 Resp: 415977

Ion	Ratio	Lower	Upper
43	100		
58	56.8	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

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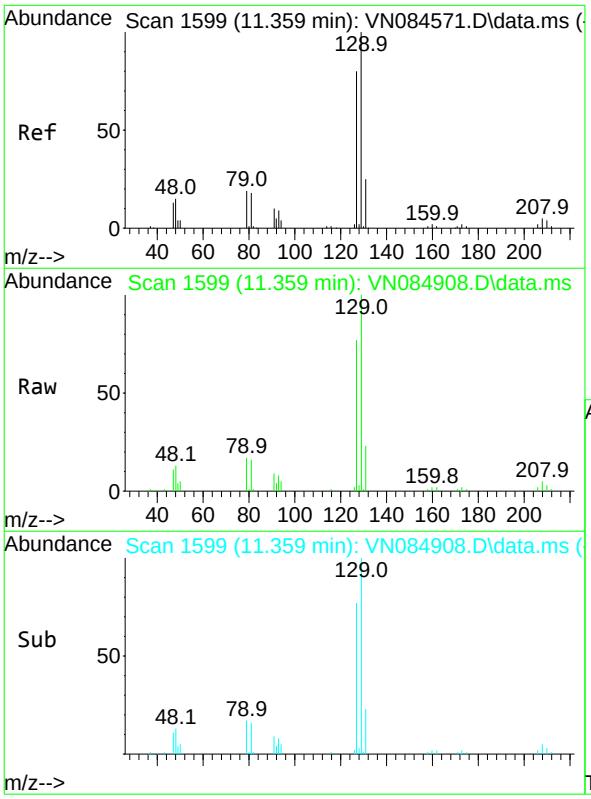
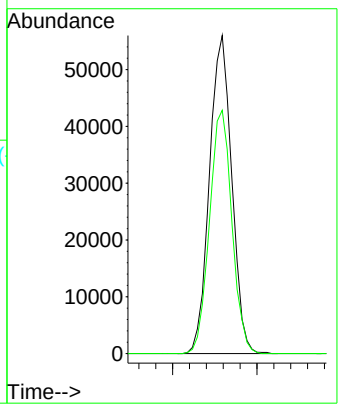
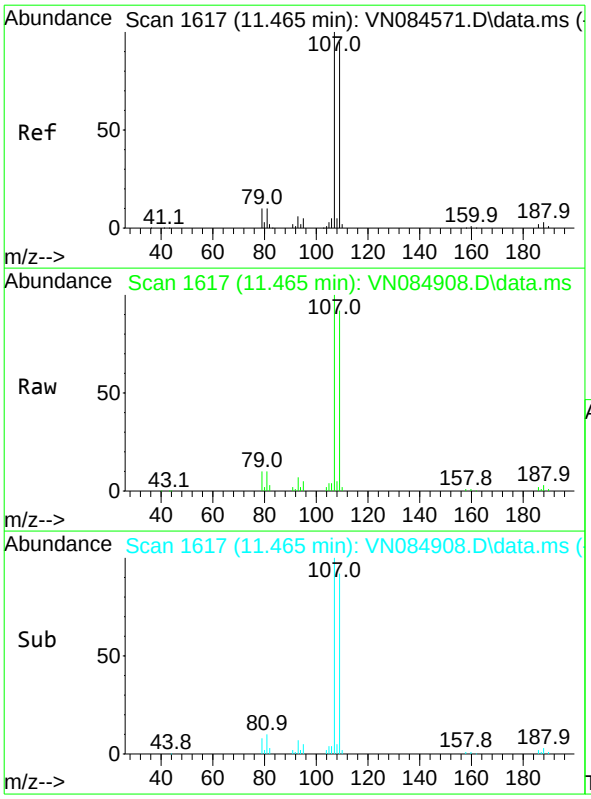


#60
Dibromochloromethane
Concen: 61.045 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:129 Resp: 102791

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.3	114.9

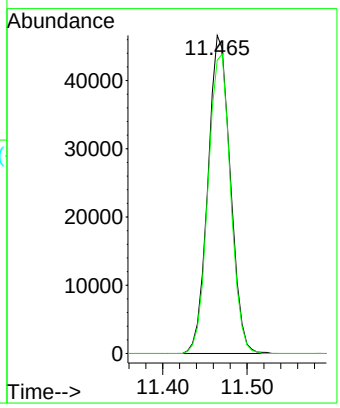




#61
1,2-Dibromoethane
Concen: 56.840 ug/l
RT: 11.465 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:107 Resp: 85996

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
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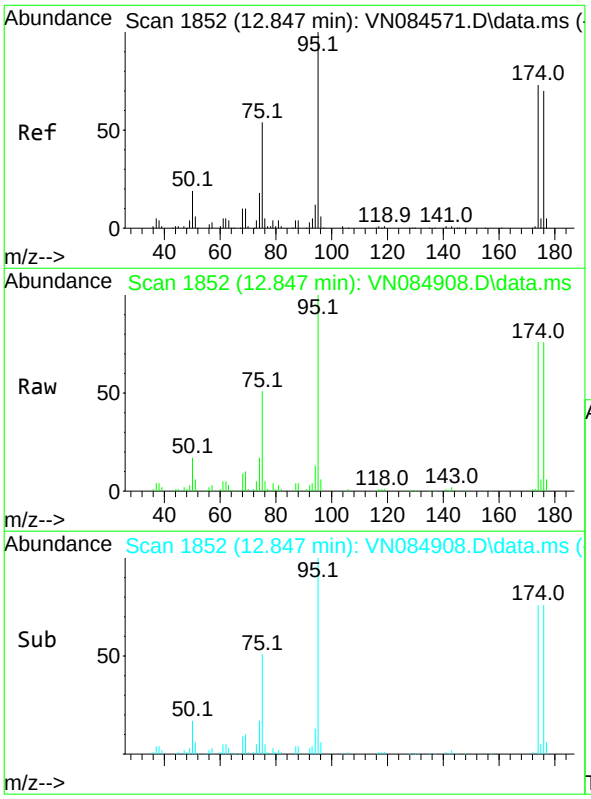
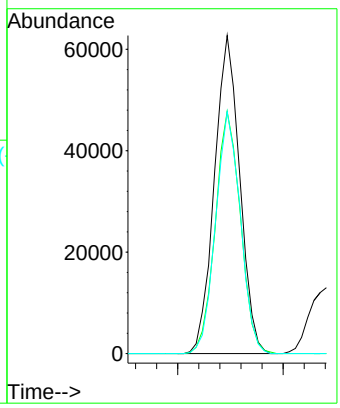
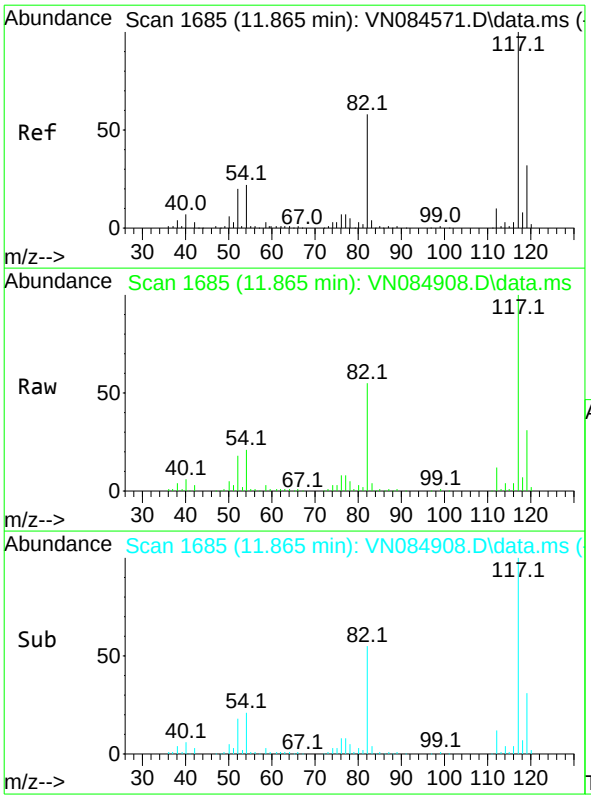


#62
4-Bromofluorobenzene
Concen: 50.550 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 95 Resp: 104788

Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	145.2
176	74.1	0.0	140.0

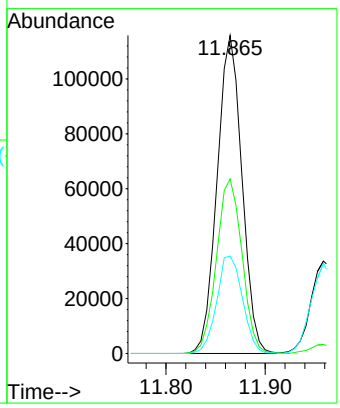




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:117 Resp: 201565

Ion	Ratio	Lower	Upper
117	100		
82	54.9	47.2	70.8
119	30.6	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
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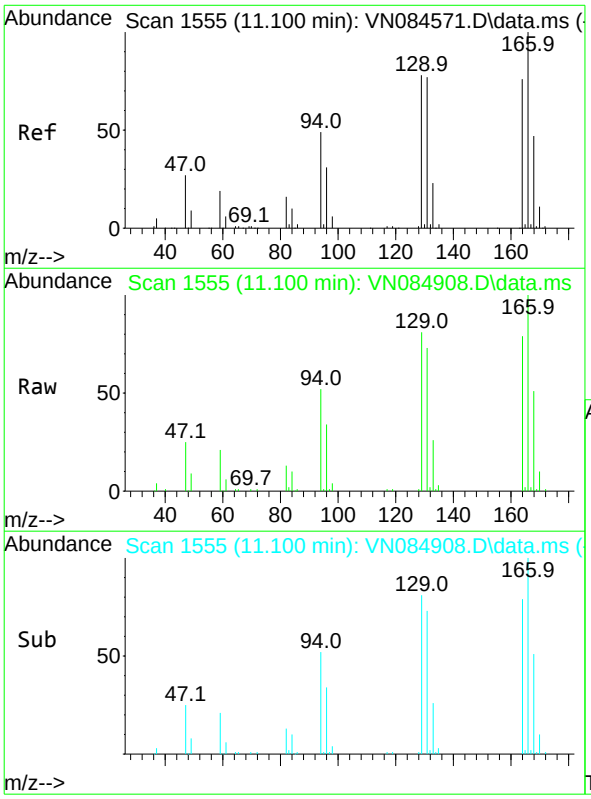
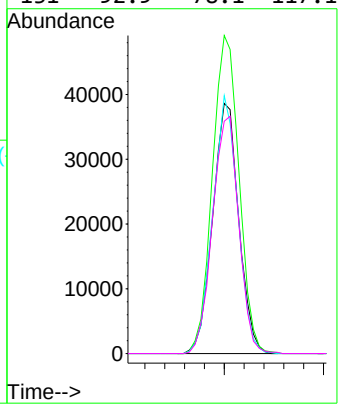
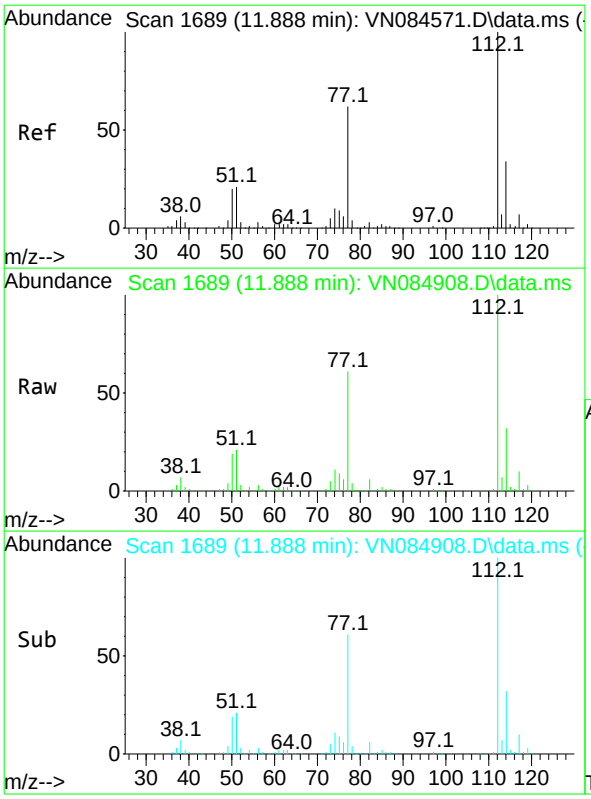


#64
Tetrachloroethene
Concen: 52.698 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:164 Resp: 70654

Ion	Ratio	Lower	Upper
164	100		
166	127.1	101.0	151.4
129	103.1	80.8	121.2
131	92.9	78.1	117.1

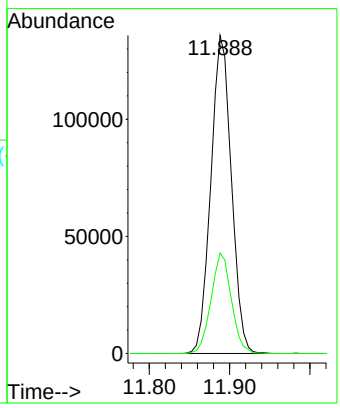




#65
Chlorobenzene
Concen: 53.370 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:112 Resp: 240666

Ion	Ratio	Lower	Upper
112	100		
114	31.6	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

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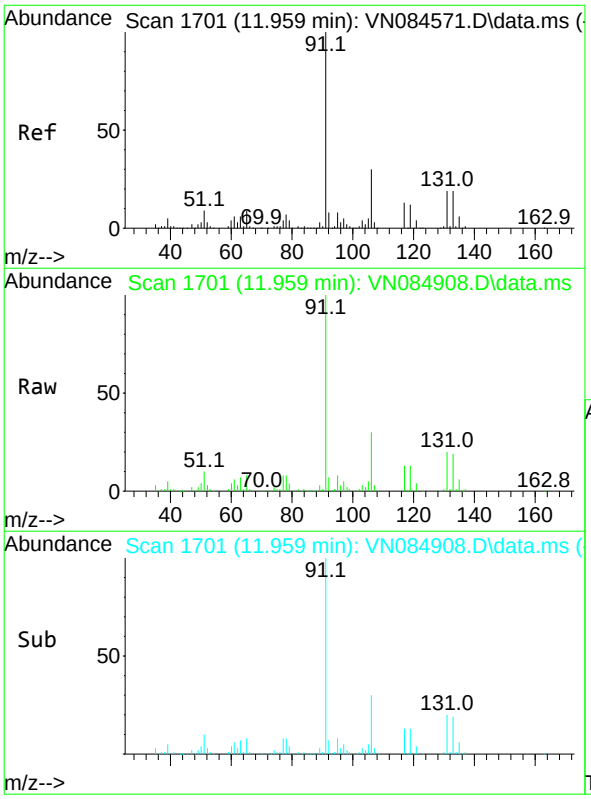
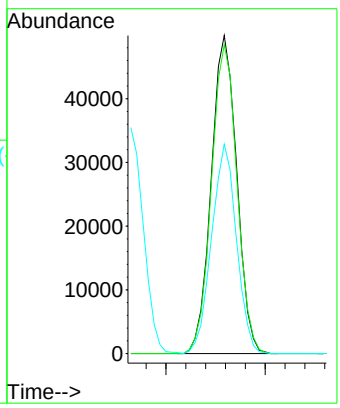
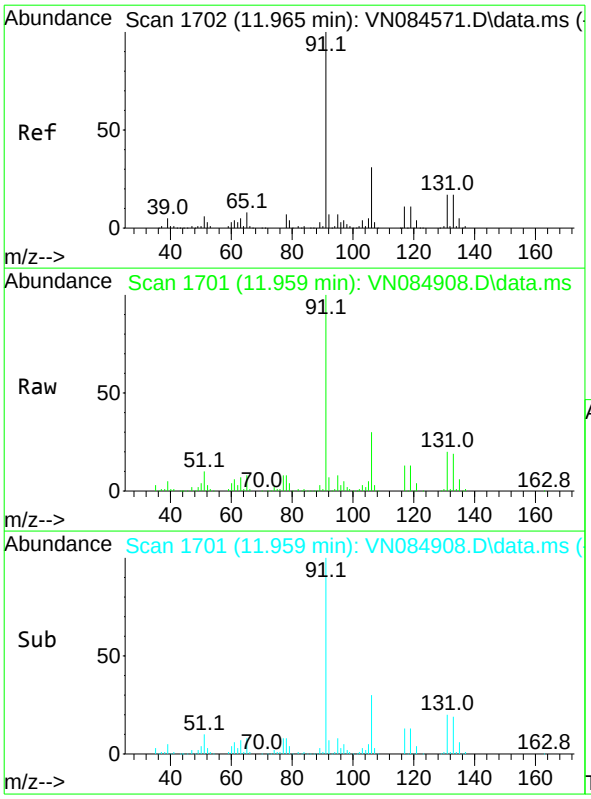


#66
1,1,1,2-Tetrachloroethane
Concen: 56.644 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:131 Resp: 88847

Ion	Ratio	Lower	Upper
131	100		
133	97.3	47.9	143.7
119	64.4	32.8	98.3

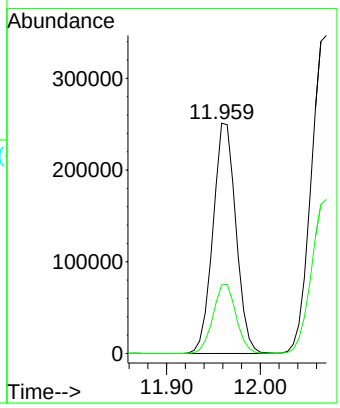




#67
Ethyl Benzene
Concen: 56.845 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 91 Resp: 427880

Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

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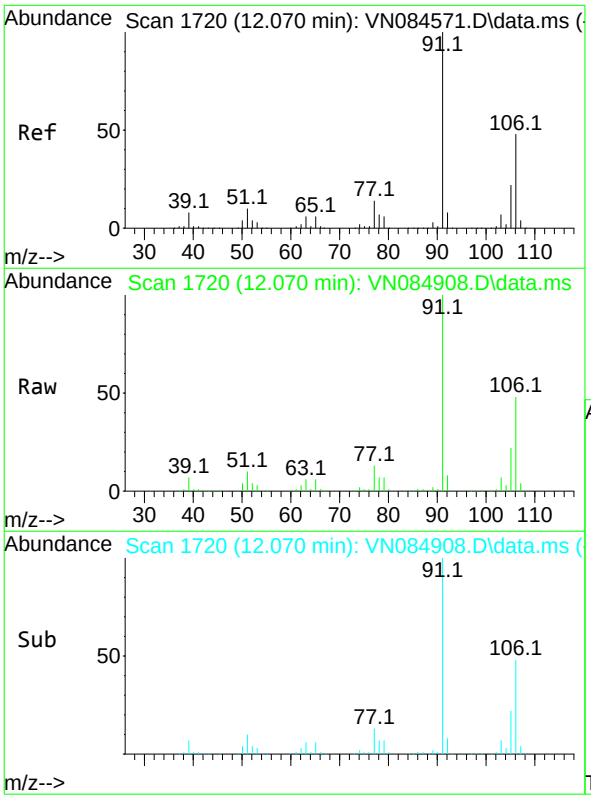
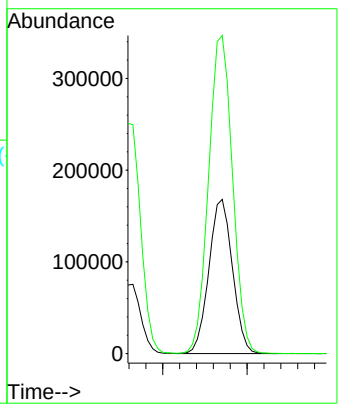
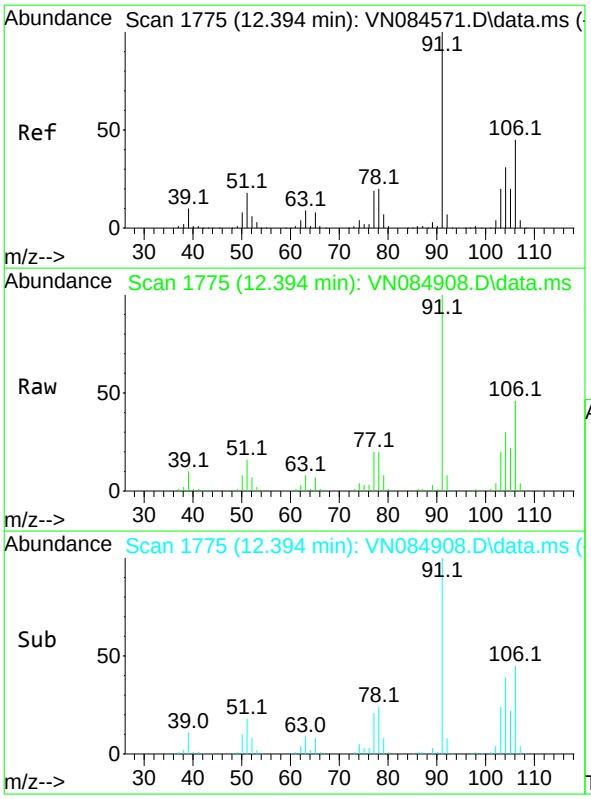


#68
m/p-Xylenes
Concen: 114.681 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:106 Resp: 326803

Ion	Ratio	Lower	Upper
106	100		
91	209.4	167.1	250.7

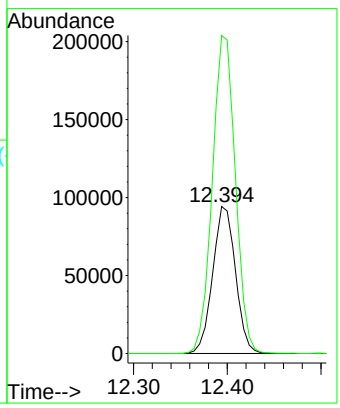




#69
o-Xylene
Concen: 59.752 ug/l
RT: 12.394 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:106 Resp: 159287

Ion	Ratio	Lower	Upper
106	100		
91	218.8	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
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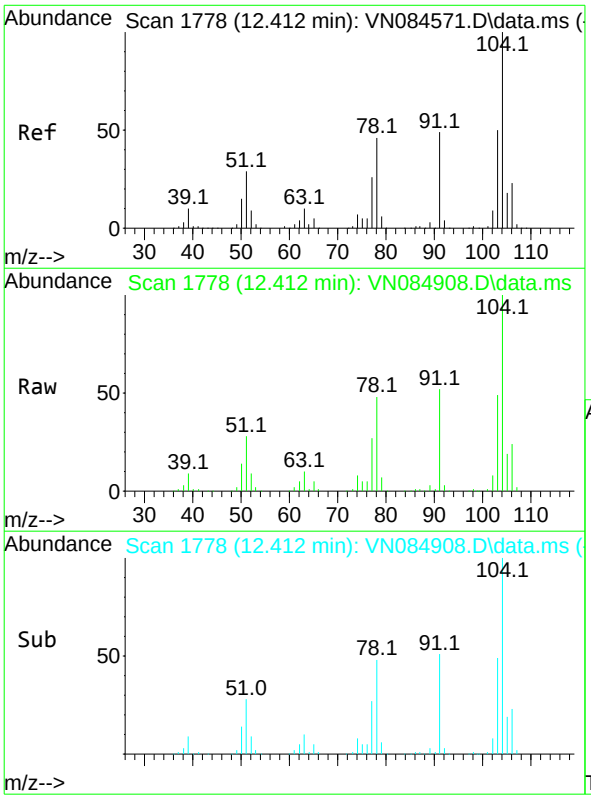
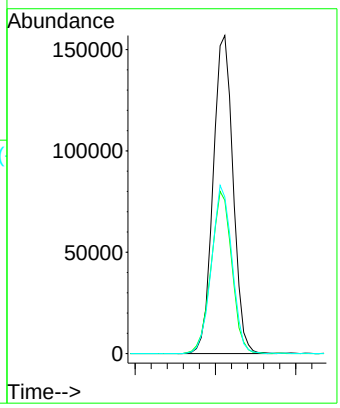
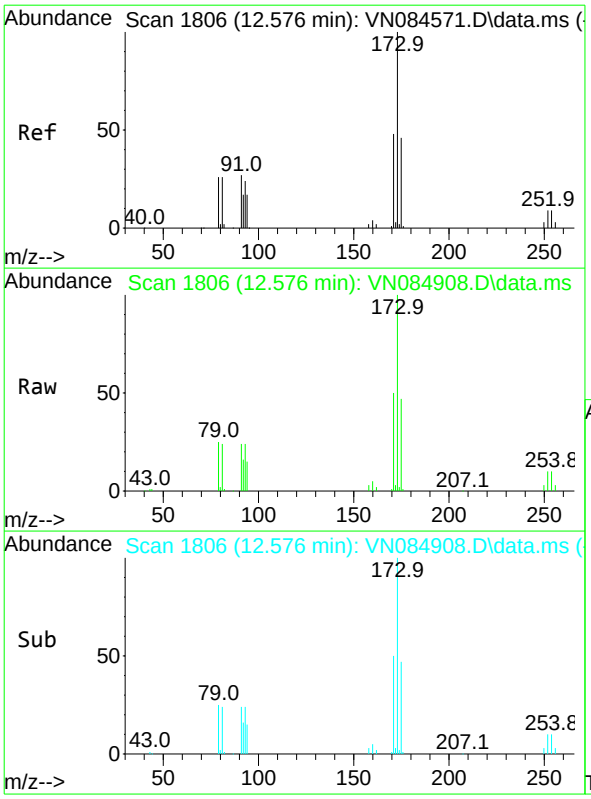


#70
Styrene
Concen: 58.190 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:104 Resp: 270604

Ion	Ratio	Lower	Upper
104	100		
78	53.0	42.7	64.1
103	54.3	43.6	65.4





#71
Bromoform
Concen: 59.172 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:173 Resp: 69838

Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.5	70.6
254	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

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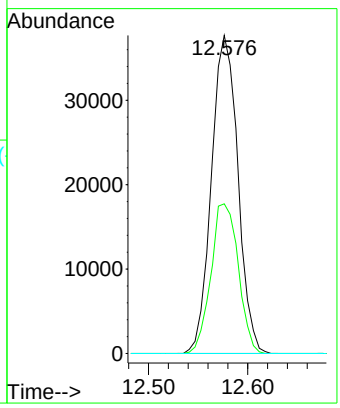
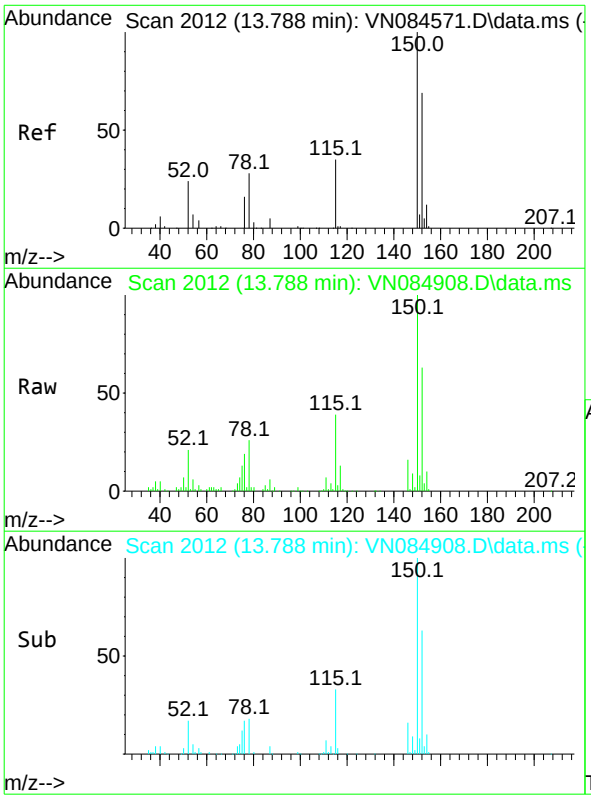
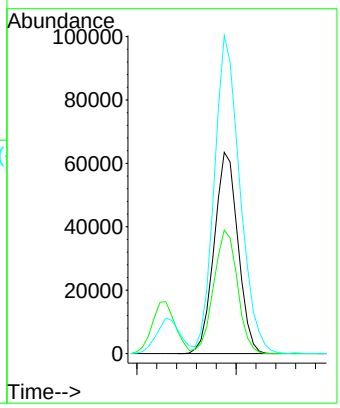


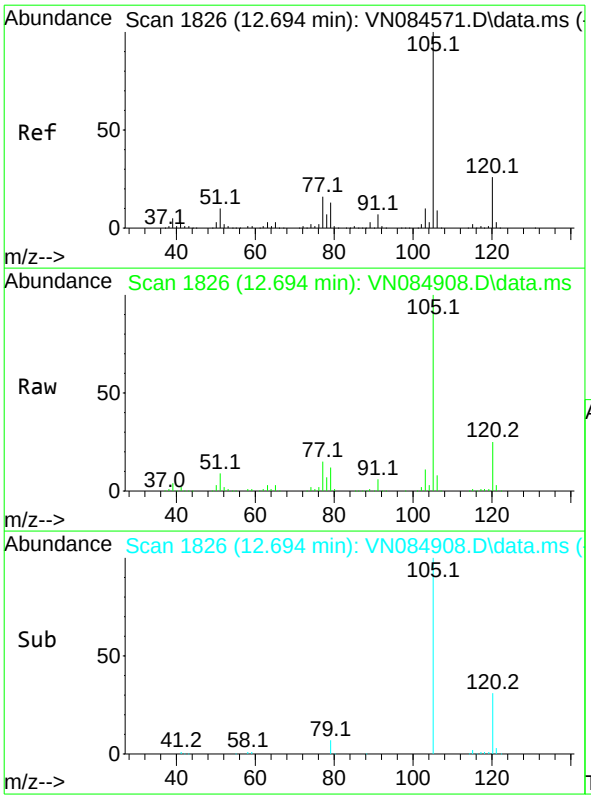


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:152 Resp: 105985

Ion	Ratio	Lower	Upper
152	100		
115	61.3	31.3	93.9
150	169.3	0.0	349.8

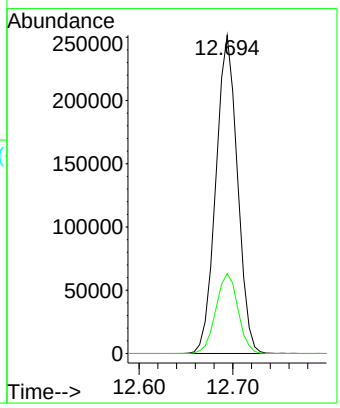




#73
Isopropylbenzene
Concen: 54.145 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:105 Resp: 402146

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

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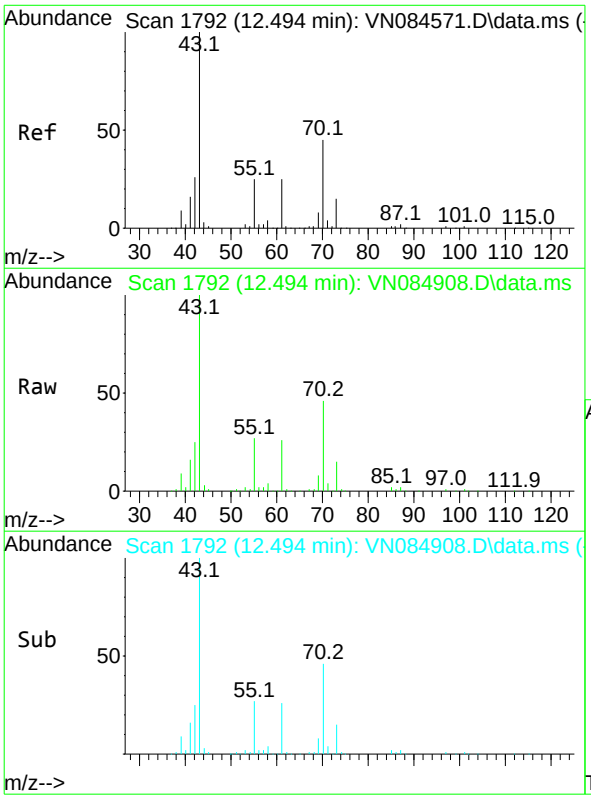
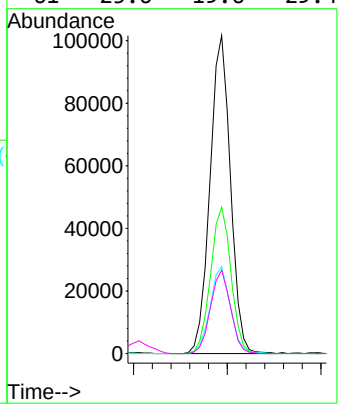
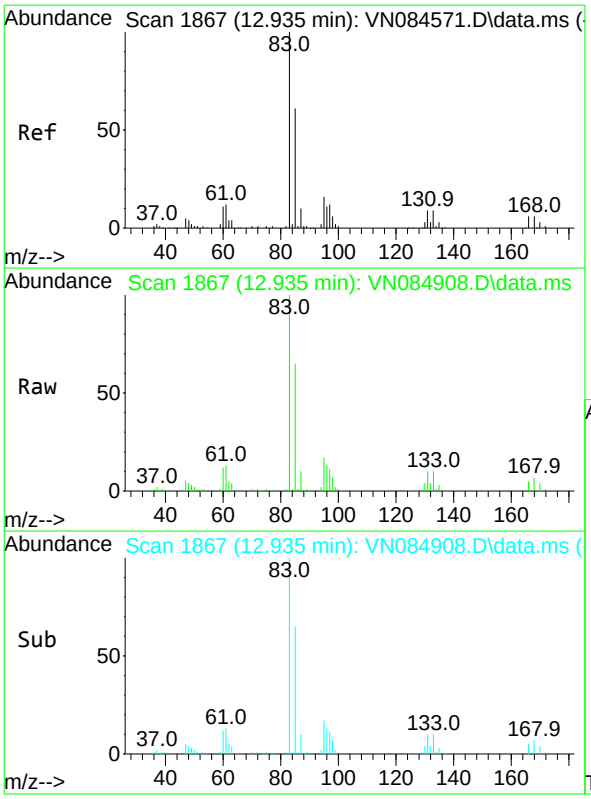


#74
N-amyl acetate
Concen: 48.744 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 43 Resp: 154087

Ion	Ratio	Lower	Upper
43	100		
70	46.0	34.4	51.6
55	27.3	19.6	29.4
61	25.6	19.6	29.4

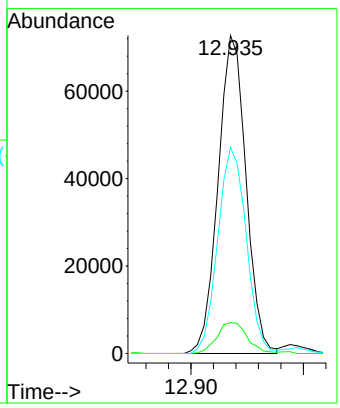




#75
1,1,2,2-Tetrachloroethane
Concen: 50.592 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 83 Resp: 125423

Ion	Ratio	Lower	Upper
83	100		
131	10.8	4.9	14.7
85	66.0	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

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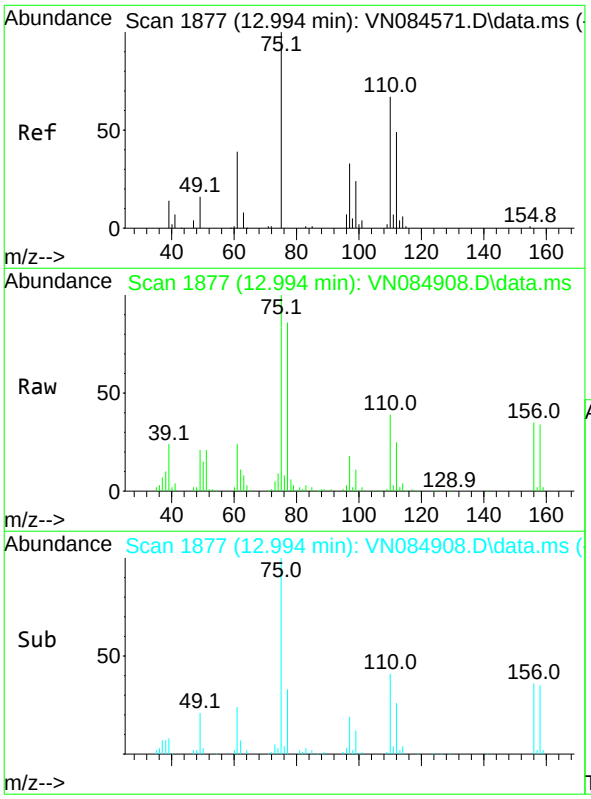
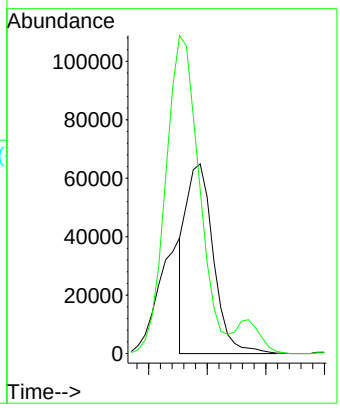
Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

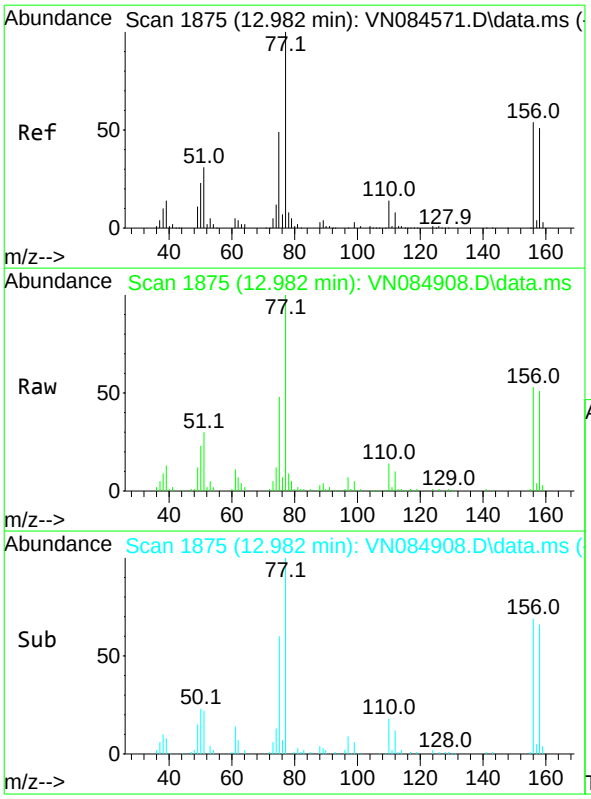


#76
1,2,3-Trichloropropane
Concen: 49.460 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 75 Resp: 104786

Ion	Ratio	Lower	Upper
75	100		
77	206.5	96.9	290.7

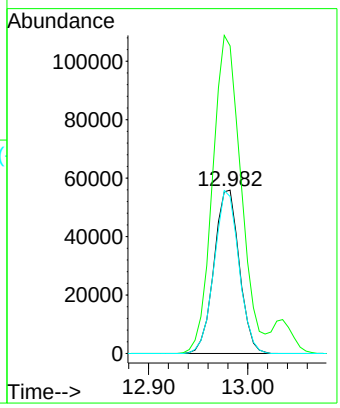




#77
Bromobenzene
Concen: 49.525 ug/l
RT: 12.982 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:156 Resp: 98884

Ion	Ratio	Lower	Upper
156	100		
77	218.9	115.1	345.3
158	97.8	48.9	146.8



Instrument :
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ClientSampleId :
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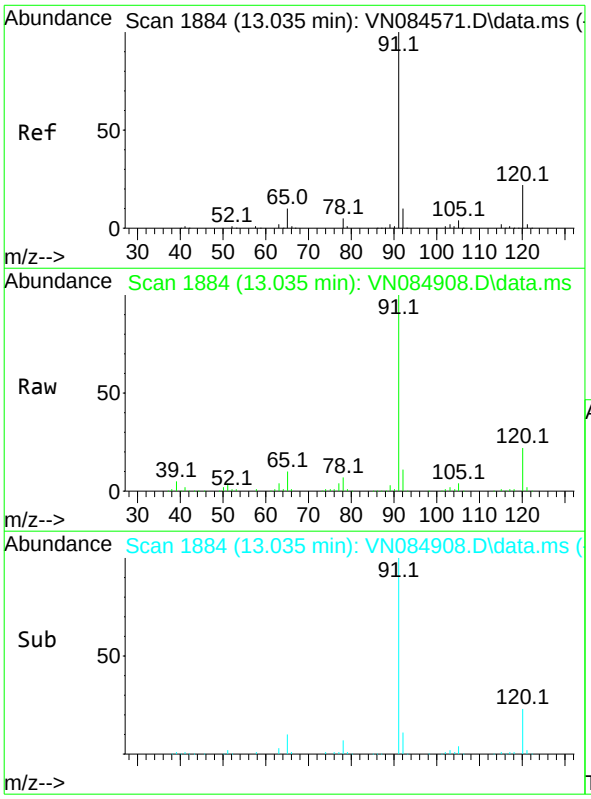
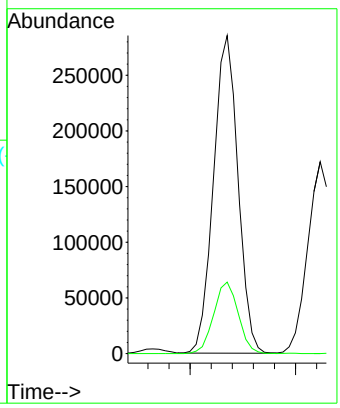
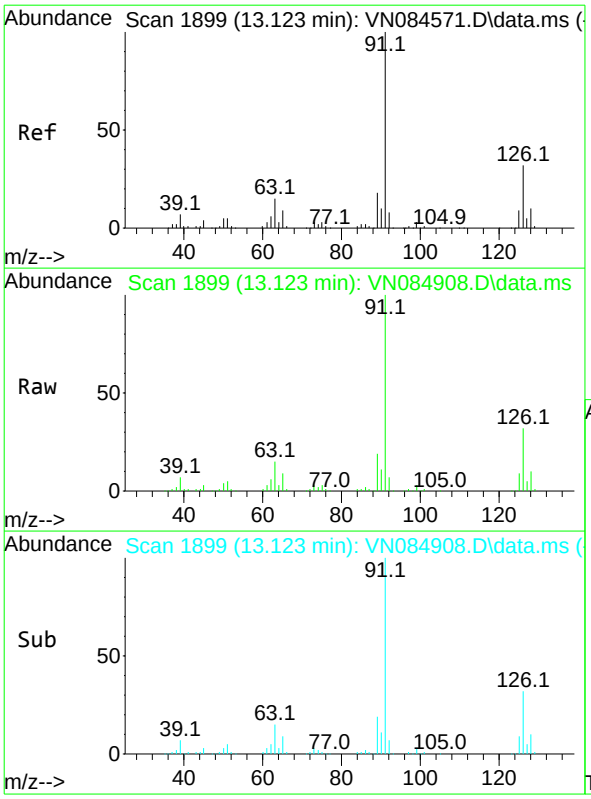


#78
n-propylbenzene
Concen: 52.889 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 91 Resp: 460312

Ion	Ratio	Lower	Upper
91	100		
120	22.5	10.8	32.4

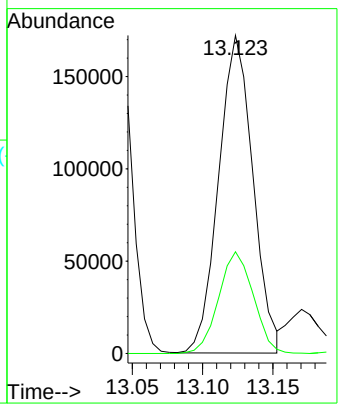




#79
2-Chlorotoluene
Concen: 51.363 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 91 Resp: 292096

Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.7	47.1



Instrument :
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ClientSampleId :
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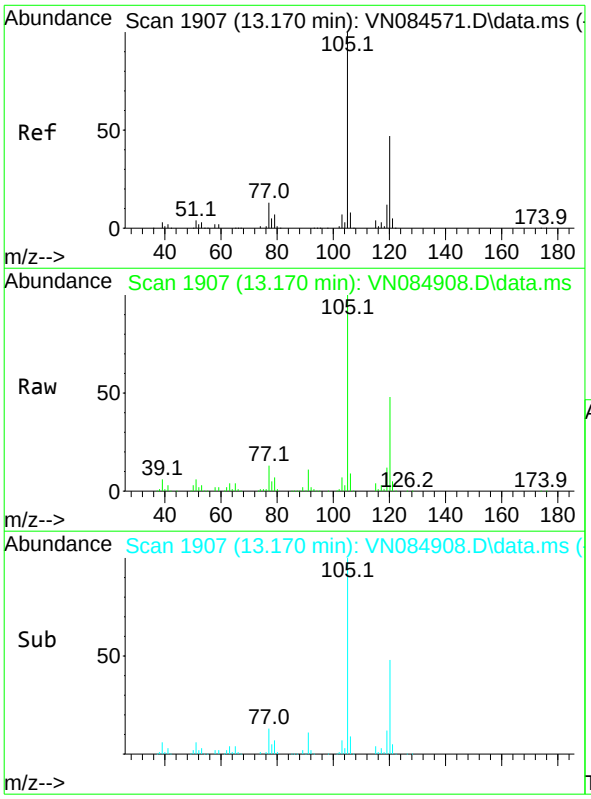
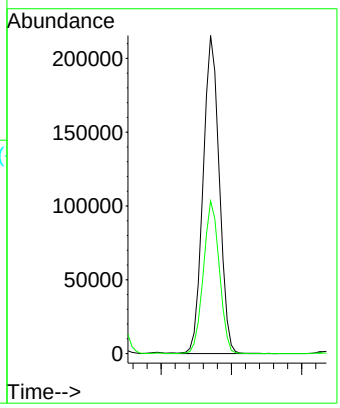
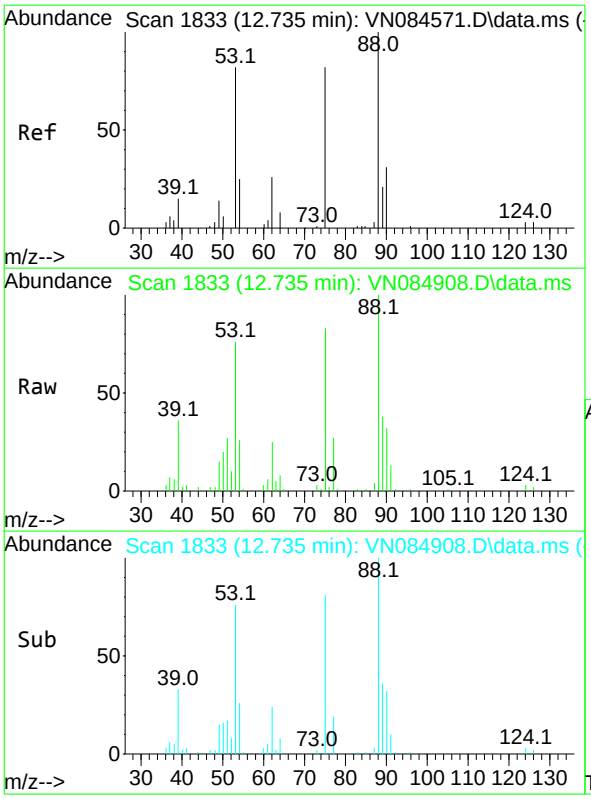


#80
1,3,5-Trimethylbenzene
Concen: 55.932 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:105 Resp: 344304

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.7	71.1

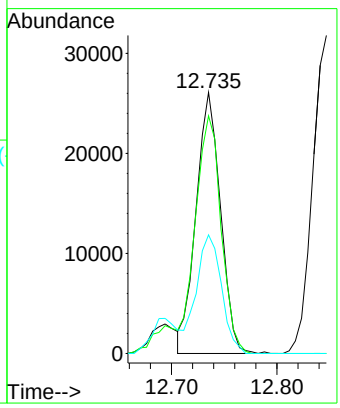




#81
trans-1,4-Dichloro-2-butene
Concen: 47.129 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 75 Resp: 42087

Ion	Ratio	Lower	Upper
75	100		
53	106.5	78.0	117.0
89	46.1	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
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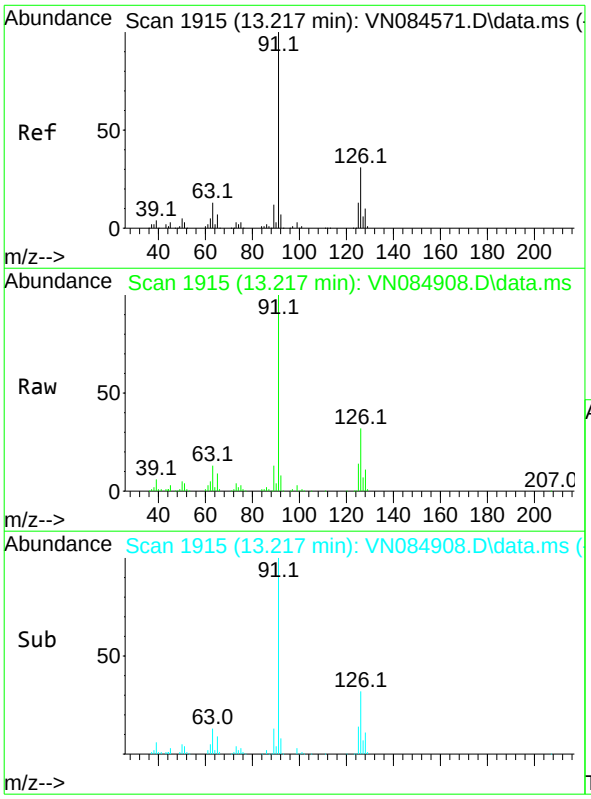
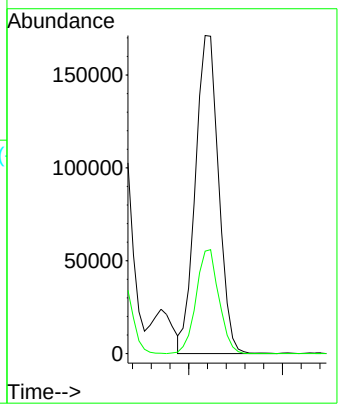
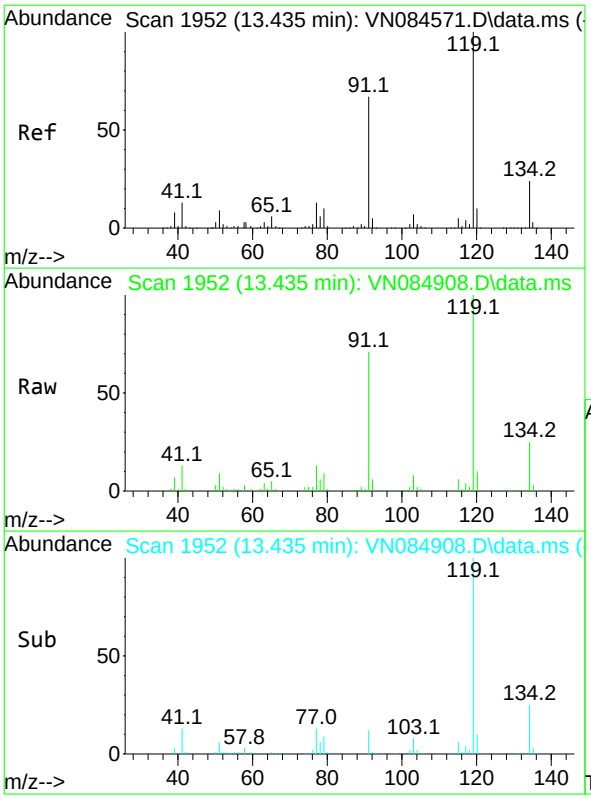


#82
4-Chlorotoluene
Concen: 49.217 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 91 Resp: 294554

Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1

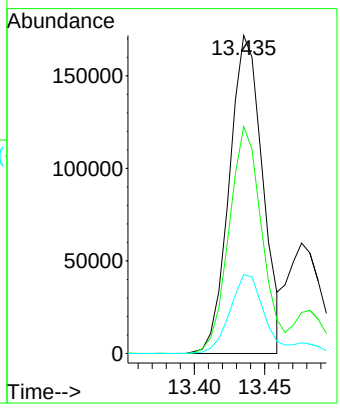




#83
tert-Butylbenzene
Concen: 55.418 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:119 Resp: 282332

Ion	Ratio	Lower	Upper
119	100		
91	70.9	34.1	102.3
134	25.7	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

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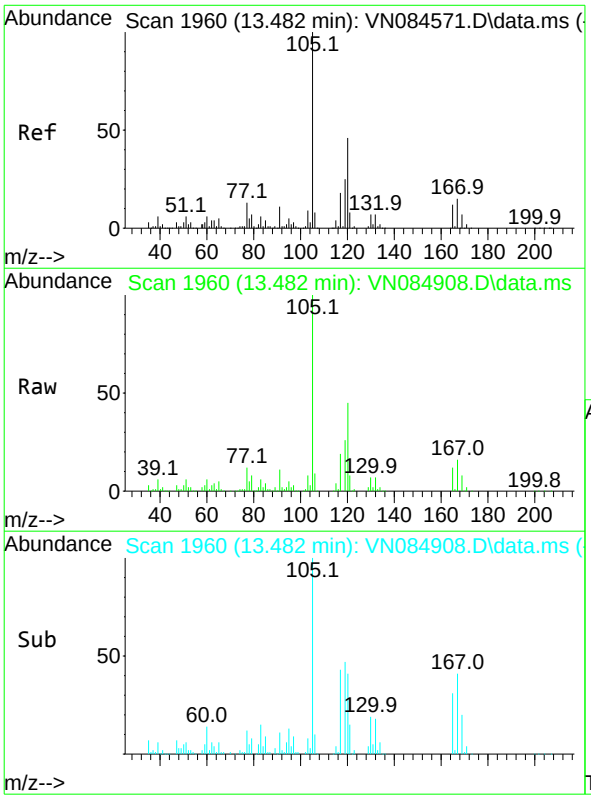
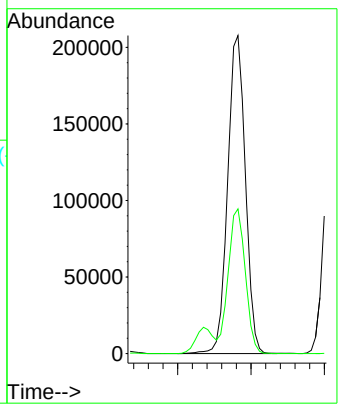
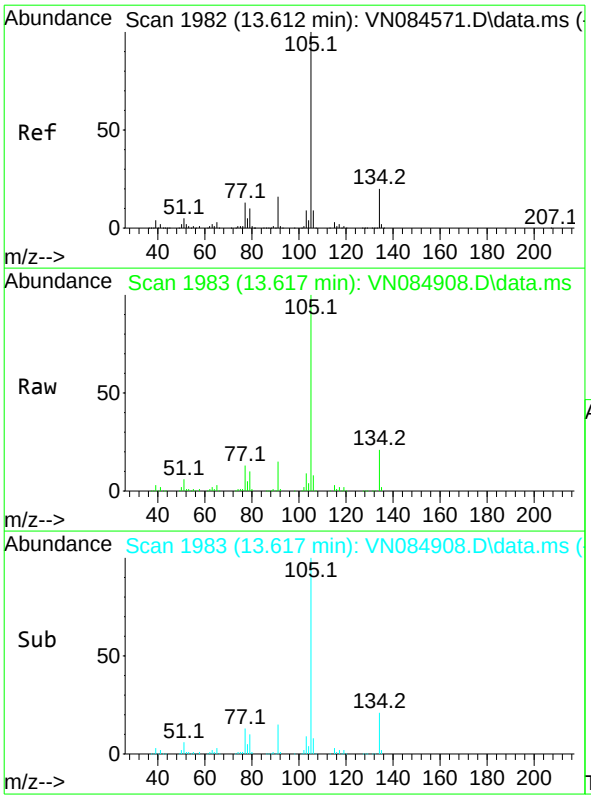


#84
1,2,4-Trimethylbenzene
Concen: 54.758 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:105 Resp: 347897

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.3	66.8

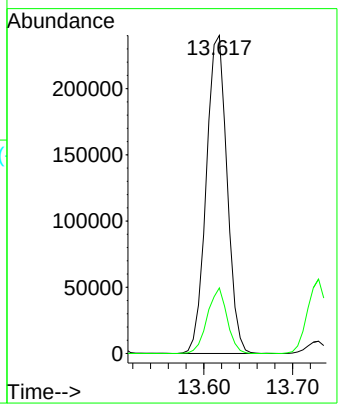




#85
sec-Butylbenzene
Concen: 54.162 ug/l
RT: 13.617 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:105 Resp: 389774

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

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Reviewed By :John Carlone 11/18/2024
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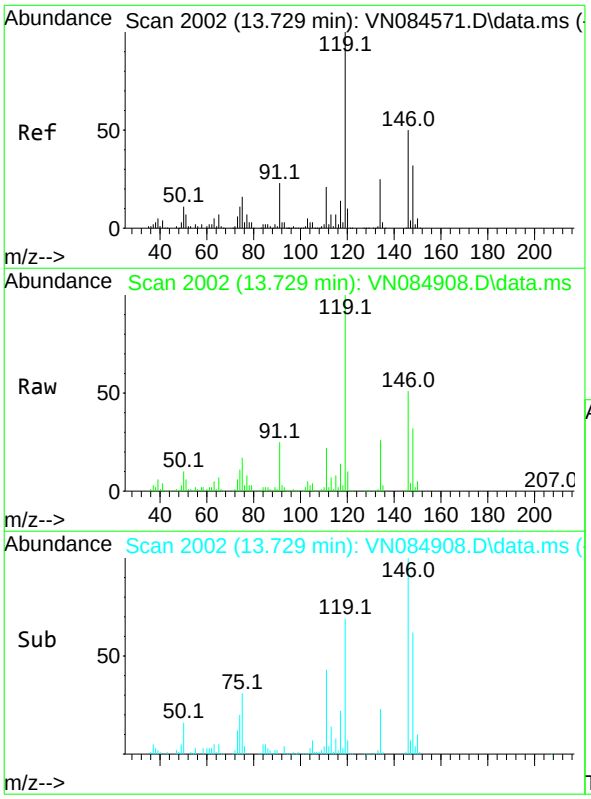
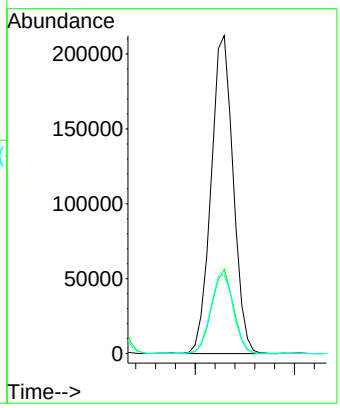
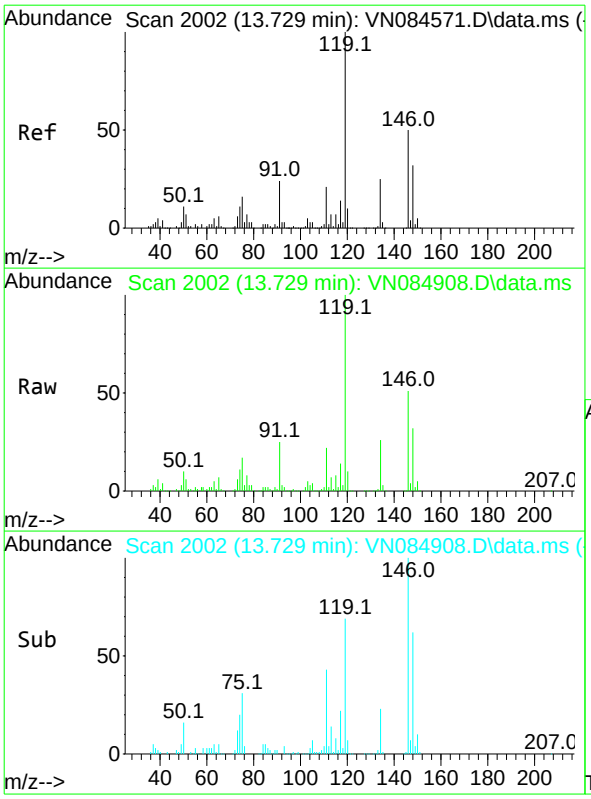


#86
p-Isopropyltoluene
Concen: 55.785 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:119 Resp: 329244

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.6	37.8
91	25.9	12.4	37.2

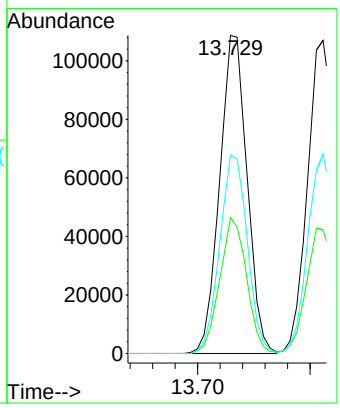




#87
1,3-Dichlorobenzene
Concen: 47.298 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:146 Resp: 184304

Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.8	65.3
148	62.9	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
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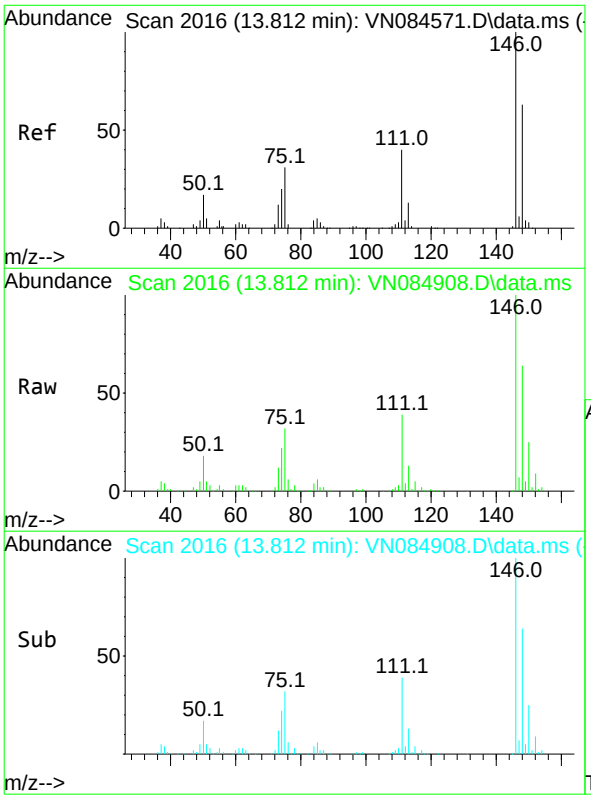
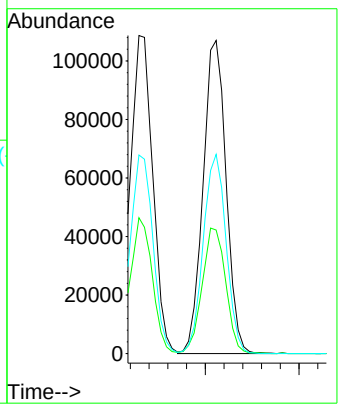
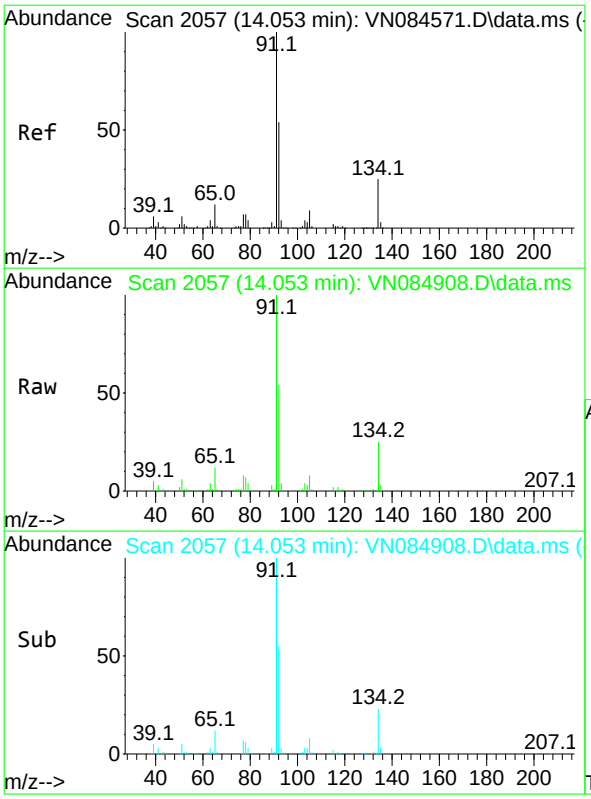


#88
1,4-Dichlorobenzene
Concen: 51.146 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:146 Resp: 182592

Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.2	63.6
148	63.3	31.9	95.9

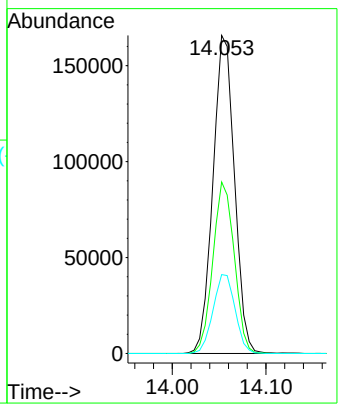




#89
n-Butylbenzene
Concen: 48.002 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 91 Resp: 265012

Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.6	79.7
134	25.4	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

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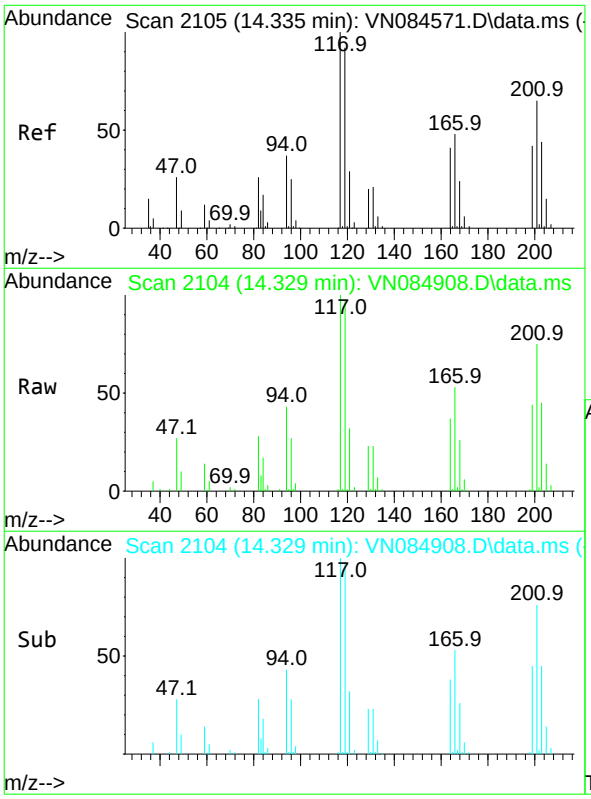
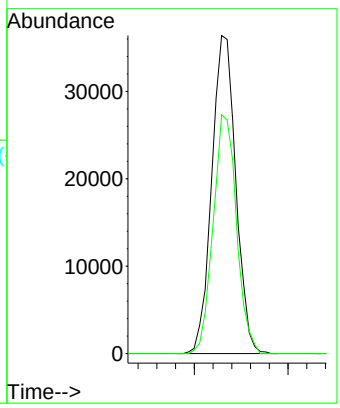
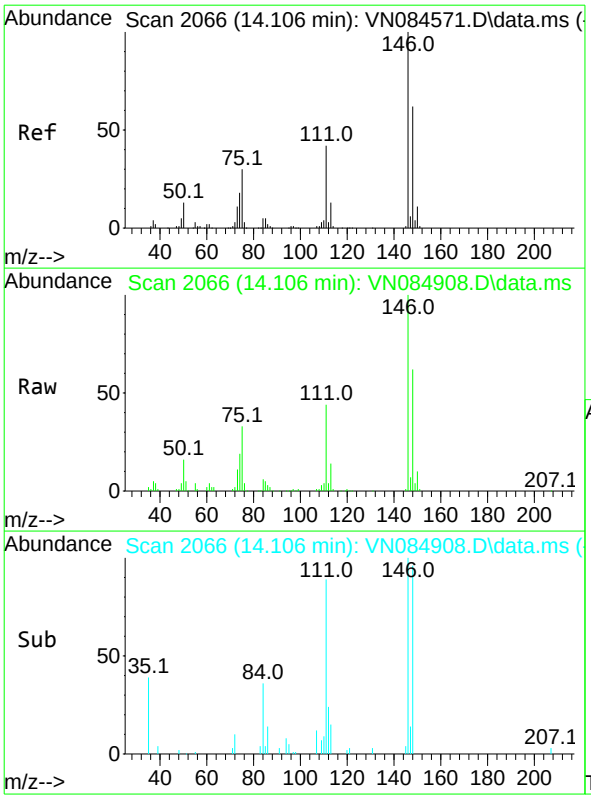


#90
Hexachloroethane
Concen: 49.217 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:117 Resp: 64780

Ion	Ratio	Lower	Upper
117	100		
201	72.9	34.4	103.2

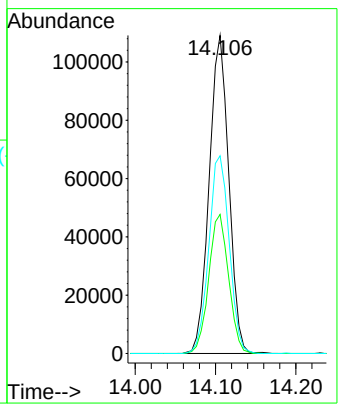




#91
1,2-Dichlorobenzene
Concen: 49.281 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:146 Resp: 184527

Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.0	66.0
148	64.8	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
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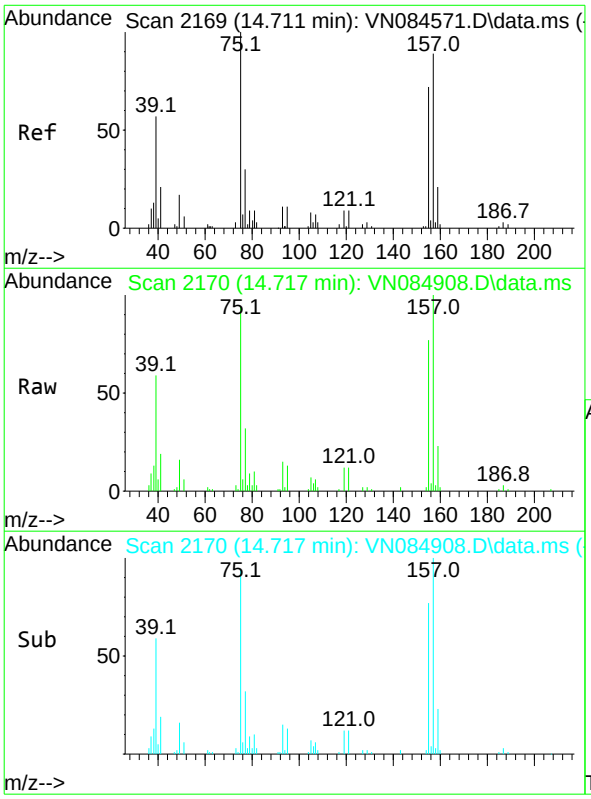
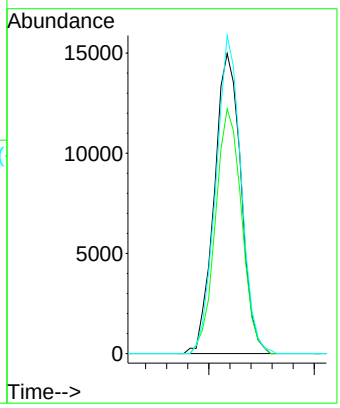
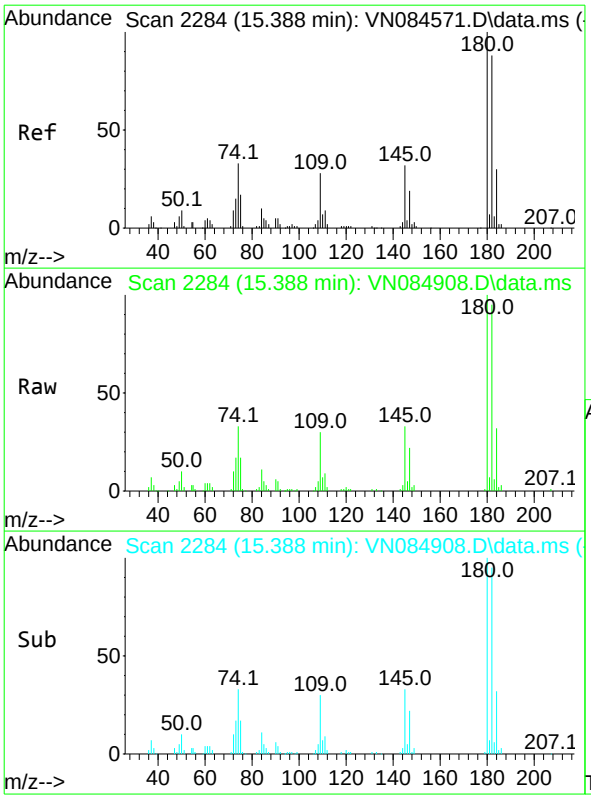


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.502 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 75 Resp: 26368

Ion	Ratio	Lower	Upper
75	100		
155	80.0	38.1	114.5
157	100.2	49.6	149.0





#93
1,2,4-Trichlorobenzene
Concen: 46.249 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:180 Resp: 94786

Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.0	141.0
145	31.9	16.4	49.4

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

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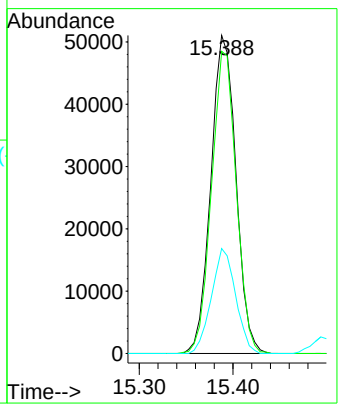
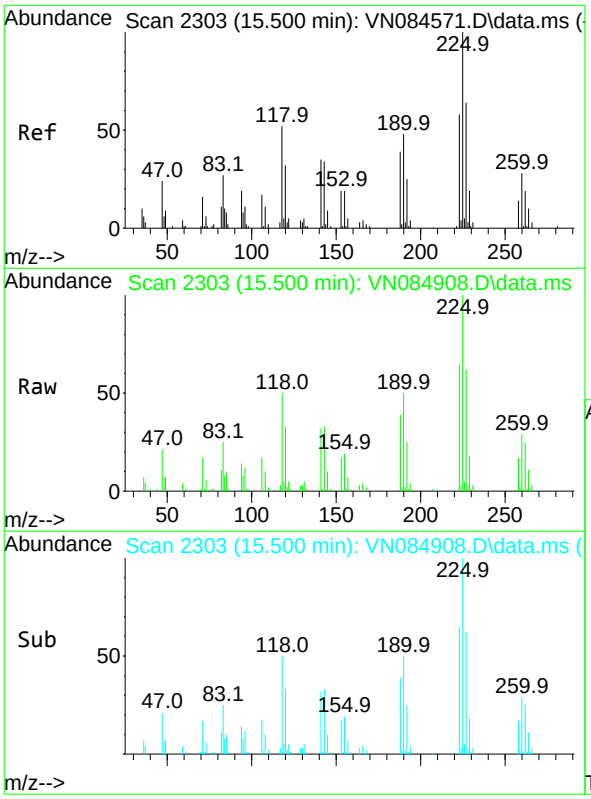
Supervised By :Mahesh Dadoda 11/18/2024

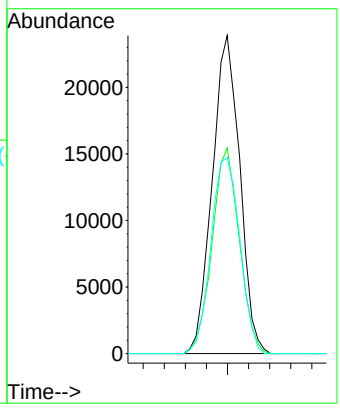


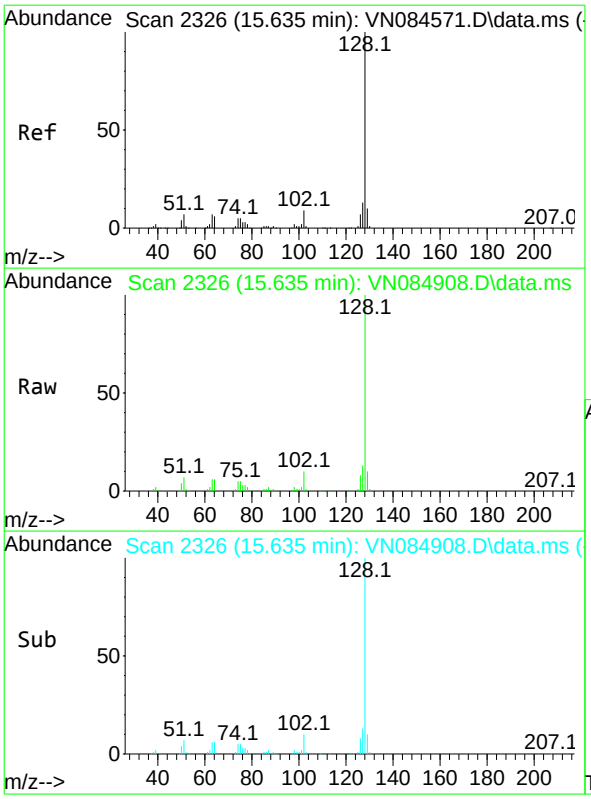


#94
Hexachlorobutadiene
Concen: 48.176 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:225 Resp: 43359

Ion	Ratio	Lower	Upper
225	100		
223	63.7	32.4	97.2
227	64.6	32.4	97.0





#95
Naphthalene
Concen: 49.697 ug/l
RT: 15.635 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

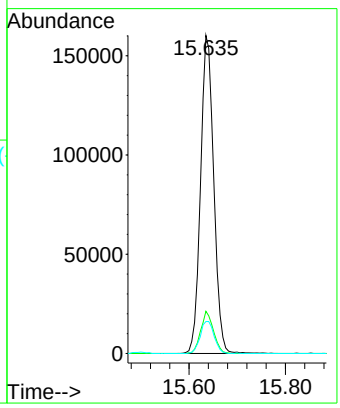
Tgt Ion:128 Resp: 304868

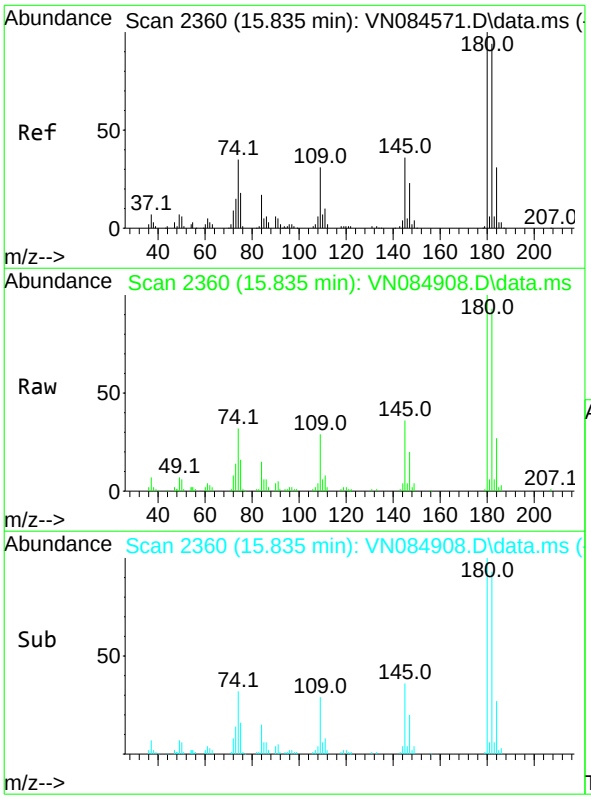
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.7	8.7	13.1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/18/2024
Supervised By :Mahesh Dadoda 11/18/2024

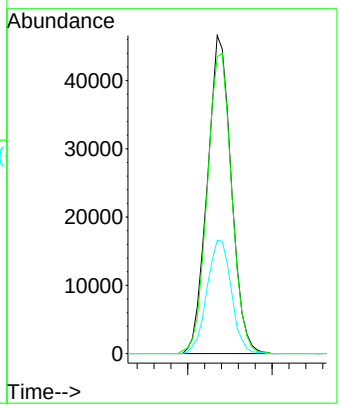




#96
1,2,3-Trichlorobenzene
Concen: 46.207 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:180 Resp: 91928

Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.2	144.6
145	36.2	17.3	51.9



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	vn103024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN084570.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:14 AM	MMDadoda	11/4/2024 1:18:00 AM	Peak Integrated by Software
VSTDICCC050	VN084571.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:15 AM	MMDadoda	11/4/2024 1:18:01 AM	Peak Integrated by Software
VSTDICC020	VN084572.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:16 AM	MMDadoda	11/4/2024 1:18:03 AM	Peak Integrated by Software
VSTDICC010	VN084573.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:17 AM	MMDadoda	11/4/2024 1:18:04 AM	Peak Integrated by Software
VSTDICC005	VN084574.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:20 AM	MMDadoda	11/4/2024 1:18:05 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	1,4-Dichlorobenzene	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	Acetone	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	Diethyl Ether	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICV050	VN084577.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:23 AM	MMDadoda	11/4/2024 1:18:09 AM	Peak Integrated by Software
VSTDCCC050	VN084579.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:34 AM	MMDadoda	11/4/2024 1:18:38 AM	Peak Integrated by Software
VSTDCCC050	VN084579.D	trans-1,4-Dichloro-2-butene	SAM	11/4/2024 1:12:34 AM	MMDadoda	11/4/2024 1:18:38 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn103024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	VN111724	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN084884.D	1,2,3-Trichloropropane	JOHN	11/18/2024 9:41:00 AM	MMDadoda	11/18/2024 3:14:09 PM	Peak Integrated by Software
VN1117WBS01	VN084887.D	1,2,3-Trichloropropane	JOHN	11/18/2024 9:41:04 AM	MMDadoda	11/18/2024 3:14:09 PM	Peak Integrated by Software
P4845-06MS	VN084907.D	1,2,3-Trichloropropane	JOHN	11/18/2024 9:41:15 AM	MMDadoda	11/18/2024 3:14:13 PM	Peak Integrated by Software
P4845-07MSD	VN084908.D	1,2,3-Trichloropropane	JOHN	11/18/2024 9:41:20 AM	MMDadoda	11/18/2024 3:14:14 PM	Peak Integrated by Software
VSTDCCC050	VN084909.D	1,2,3-Trichloropropane	JOHN	11/18/2024 9:41:23 AM	MMDadoda	11/18/2024 3:14:16 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN111924	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN084935.D	1,2,3-Trichloropropane	JOHN	11/20/2024 9:59:49 AM	MMDadoda	11/20/2024 1:01:17 PM	Peak Integrated by Software
VN1119WBS01	VN084938.D	1,2,3-Trichloropropane	JOHN	11/20/2024 9:59:53 AM	MMDadoda	11/20/2024 1:01:18 PM	Peak Integrated by Software
P4845-01DL	VN084942.D	cis-1,2-Dichloroethene	JOHN	11/20/2024 12:59:33 PM	MMDadoda	11/20/2024 1:01:26 PM	Peak Integrated by Software
VSTDCCC050	VN084958.D	1,2,3-Trichloropropane	JOHN	11/20/2024 10:00:10 AM	MMDadoda	11/20/2024 1:01:28 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN112024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN084960.D	1,2,3-Trichloropropane	SAM	11/21/2024 6:43:26 AM	MMDadoda	11/21/2024 6:45:22 AM	Peak Integrated by Software
VN1120WBS02	VN084964.D	1,2,3-Trichloropropane	SAM	11/21/2024 6:43:30 AM	MMDadoda	11/21/2024 6:45:25 AM	Peak Integrated by Software
VN1120WBS02	VN084964.D	trans-1,4-Dichloro-2-but ene	SAM	11/21/2024 6:43:30 AM	MMDadoda	11/21/2024 6:45:25 AM	Peak Integrated by Software
VSTDCCC050	VN084985.D	1,2,3-Trichloropropane	SAM	11/21/2024 6:43:54 AM	MMDadoda	11/21/2024 6:46:13 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN112224	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN085005.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:15 AM	MMDadoda	11/25/2024 2:03:01 PM	Peak Integrated by Software
VSTDICCC050	VN085006.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:19 AM	MMDadoda	11/25/2024 2:03:02 PM	Peak Integrated by Software
VSTDICC020	VN085007.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:24 AM	MMDadoda	11/25/2024 2:03:03 PM	Peak Integrated by Software
VSTDICC010	VN085008.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:29 AM	MMDadoda	11/25/2024 2:03:05 PM	Peak Integrated by Software
VSTDICC005	VN085009.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:32 AM	MMDadoda	11/25/2024 2:03:06 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	1,1,2-Trichlorotrifluoroethane	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	1,4-Dichlorobenzene	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	Chloroethane	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	Isopropyl Acetate	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	Methyl Acetate	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	Methyl tert-butyl Ether	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	Methylene Chloride	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN112224	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VN085012.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:43 AM	MMDadoda	11/25/2024 2:03:10 PM	Peak Integrated by Software
VN1122WBS01	VN085014.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:48 AM	MMDadoda	11/25/2024 2:03:13 PM	Peak Integrated by Software
P4845-21	VN085016.D	1,4-Dichlorobenzene	JOHN	11/25/2024 9:41:02 AM	MMDadoda	11/25/2024 2:03:17 PM	Peak Integrated by Software
P4845-23	VN085018.D	Acetone	JOHN	11/25/2024 9:41:12 AM	MMDadoda	11/25/2024 2:03:20 PM	Peak Integrated by Software
P4845-24	VN085019.D	Acetone	JOHN	11/25/2024 9:41:16 AM	MMDadoda	11/25/2024 2:03:22 PM	Peak Integrated by Software
VSTDCCC050	VN085020.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:41:20 AM	MMDadoda	11/25/2024 2:03:24 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN112624	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN085035.D	1,2,3-Trichloropropane	JOHN	11/27/2024 9:12:19 AM	MMDadoda	11/27/2024 10:39:54 AM	Peak Integrated by Software
VN1126WBS01	VN085039.D	1,2,3-Trichloropropane	JOHN	11/27/2024 9:12:29 AM	MMDadoda	11/27/2024 10:39:56 AM	Peak Integrated by Software
P4845-22	VN085041.D	1,4-Dichlorobenzene	JOHN	11/27/2024 9:12:34 AM	MMDadoda	11/27/2024 10:39:58 AM	Peak Integrated by Software
VSTDCCC050	VN085050.D	1,2,3-Trichloropropane	JOHN	11/27/2024 9:12:54 AM	MMDadoda	11/27/2024 10:40:03 AM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM				
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM				
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084569.D	30 Oct 2024 10:42	JC\MD	Ok
2	VSTDICC100	VN084570.D	30 Oct 2024 11:46	JC\MD	Ok,M
3	VSTDICCC050	VN084571.D	30 Oct 2024 12:09	JC\MD	Ok,M
4	VSTDICC020	VN084572.D	30 Oct 2024 12:33	JC\MD	Ok,M
5	VSTDICC010	VN084573.D	30 Oct 2024 12:57	JC\MD	Ok,M
6	VSTDICC005	VN084574.D	30 Oct 2024 13:21	JC\MD	Ok,M
7	VSTDICC001	VN084575.D	30 Oct 2024 13:45	JC\MD	Ok,M
8	VIBLK	VN084576.D	30 Oct 2024 14:42	JC\MD	Ok
9	VSTDICV050	VN084577.D	30 Oct 2024 15:06	JC\MD	Ok,M
10	BFB	VN084578.D	30 Oct 2024 19:24	JC\MD	Ok
11	VSTDCCC050	VN084579.D	30 Oct 2024 20:12	JC\MD	Ok,M
12	VN1030MBL01	VN084580.D	30 Oct 2024 20:48	JC\MD	Ok
13	VN1030WBL01	VN084581.D	30 Oct 2024 21:12	JC\MD	Ok
14	VN1030WBS01	VN084582.D	30 Oct 2024 21:46	JC\MD	Ok,M
15	VN1030WBSD01	VN084583.D	30 Oct 2024 22:10	JC\MD	Ok,M
16	P4594-04	VN084584.D	30 Oct 2024 22:34	JC\MD	Ok,M
17	P4594-08	VN084585.D	30 Oct 2024 22:58	JC\MD	Ok
18	P4594-12	VN084586.D	30 Oct 2024 23:22	JC\MD	Ok
19	P4594-16	VN084587.D	30 Oct 2024 23:46	JC\MD	Ok
20	P4594-20	VN084588.D	31 Oct 2024 00:09	JC\MD	Ok
21	P4597-03	VN084589.D	31 Oct 2024 00:34	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM				
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM				
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4597-06	VN084590.D	31 Oct 2024 00:57	JC\MD	Ok,M
23	P4597-09	VN084591.D	31 Oct 2024 01:21	JC\MD	Ok
24	P4597-12	VN084592.D	31 Oct 2024 01:45	JC\MD	Ok,M
25	P4598-04	VN084593.D	31 Oct 2024 02:09	JC\MD	Ok
26	P4598-08	VN084594.D	31 Oct 2024 02:33	JC\MD	Ok
27	P4598-12	VN084595.D	31 Oct 2024 02:57	JC\MD	Ok
28	P4611-03	VN084596.D	31 Oct 2024 03:21	JC\MD	Ok
29	P4611-06	VN084597.D	31 Oct 2024 03:45	JC\MD	Ok
30	P4611-09	VN084598.D	31 Oct 2024 04:09	JC\MD	Ok
31	P4611-12	VN084599.D	31 Oct 2024 04:33	JC\MD	Ok
32	P4611-15	VN084600.D	31 Oct 2024 04:57	JC\MD	Ok
33	P4611-18	VN084601.D	31 Oct 2024 05:21	JC\MD	Ok
34	P4612-04	VN084602.D	31 Oct 2024 05:45	JC\MD	Ok
35	P4613-02	VN084603.D	31 Oct 2024 06:09	JC\MD	Ok
36	PB164501ZHE#13	VN084604.D	31 Oct 2024 06:33	JC\MD	Ok,M
37	PB164501ZHE#14	VN084605.D	31 Oct 2024 06:57	JC\MD	Ok,M
38	PB164501ZHE#15	VN084606.D	31 Oct 2024 07:22	JC\MD	Ok,M
39	PB164501ZHE#16	VN084607.D	31 Oct 2024 07:46	JC\MD	Ok
40	PB164501ZHE#17	VN084608.D	31 Oct 2024 08:10	JC\MD	Ok,M
41	PB164501ZHE#18	VN084609.D	31 Oct 2024 08:34	JC\MD	Ok,M
42	PB164501ZHE#19	VN084610.D	31 Oct 2024 08:58	JC\MD	Ok,M
43	PB164501ZHE#20	VN084611.D	31 Oct 2024 09:22	JC\MD	Ok

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111724

Review By	John Carlone	Review On	11/18/2024 9:47:07 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/18/2024 3:14:18 PM		
SubDirectory	VN111724	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131560
Initial Calibration Stds	
CCC	VP131561,VP131562
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084883.D	17 Nov 2024 10:03	JC\MD	Ok
2	VSTDCCC050	VN084884.D	17 Nov 2024 10:27	JC\MD	Ok,M
3	VN1117MBL01	VN084885.D	17 Nov 2024 11:02	JC\MD	Ok
4	VN1117WBL01	VN084886.D	17 Nov 2024 11:26	JC\MD	Ok
5	VN1117WBS01	VN084887.D	17 Nov 2024 11:50	JC\MD	Ok,M
6	VN1117WBSD01	VN084888.D	17 Nov 2024 12:25	JC\MD	Ok,M
7	P4845-09	VN084889.D	17 Nov 2024 12:48	JC\MD	ReRun
8	P4845-10	VN084890.D	17 Nov 2024 13:12	JC\MD	Ok
9	P4845-01	VN084891.D	17 Nov 2024 13:36	JC\MD	Dilution
10	P4845-02	VN084892.D	17 Nov 2024 14:00	JC\MD	ReRun
11	P4845-03	VN084893.D	17 Nov 2024 14:24	JC\MD	Ok
12	P4845-04	VN084894.D	17 Nov 2024 14:48	JC\MD	Dilution
13	P4845-08	VN084895.D	17 Nov 2024 15:12	JC\MD	ReRun
14	P4845-11	VN084896.D	17 Nov 2024 15:36	JC\MD	Dilution
15	P4845-12	VN084897.D	17 Nov 2024 16:00	JC\MD	ReRun
16	P4845-13	VN084898.D	17 Nov 2024 16:24	JC\MD	Ok
17	P4845-14	VN084899.D	17 Nov 2024 16:48	JC\MD	Ok
18	P4845-15	VN084900.D	17 Nov 2024 17:12	JC\MD	ReRun
19	P4845-16	VN084901.D	17 Nov 2024 17:36	JC\MD	ReRun
20	P4845-17	VN084902.D	17 Nov 2024 18:01	JC\MD	Ok
21	P4845-18	VN084903.D	17 Nov 2024 18:25	JC\MD	Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111724

Review By	John Carlone	Review On	11/18/2024 9:47:07 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/18/2024 3:14:18 PM		
SubDirectory	VN111724	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131560
Initial Calibration Stds	
CCC	VP131561,VP131562
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4845-19	VN084904.D	17 Nov 2024 18:49	JC\MD	Dilution
23	P4845-20	VN084905.D	17 Nov 2024 19:13	JC\MD	ReRun
24	P4845-05	VN084906.D	17 Nov 2024 19:37	JC\MD	Ok
25	P4845-06MS	VN084907.D	17 Nov 2024 20:01	JC\MD	Ok,M
26	P4845-07MSD	VN084908.D	17 Nov 2024 20:25	JC\MD	Ok,M
27	VSTDCCC050	VN084909.D	17 Nov 2024 20:49	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111924

Review By	John Carlone	Review On	11/20/2024 10:08:31 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/20/2024 1:01:30 PM		
SubDirectory	VN111924	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131651
Initial Calibration Stds	
CCC	VP131652,VP131653
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084934.D	19 Nov 2024 08:15	JC\MD	Ok
2	VSTDCCC050	VN084935.D	19 Nov 2024 09:27	JC\MD	Ok,M
3	VN1119MBL01	VN084936.D	19 Nov 2024 10:43	JC\MD	Ok
4	VN1119WBL01	VN084937.D	19 Nov 2024 11:07	JC\MD	Ok
5	VN1119WBS01	VN084938.D	19 Nov 2024 11:40	JC\MD	Ok,M
6	VN1119WBSD01	VN084939.D	19 Nov 2024 12:04	JC\MD	Ok,M
7	P4770-01	VN084940.D	19 Nov 2024 12:28	JC\MD	Dilution
8	P4770-02	VN084941.D	19 Nov 2024 12:52	JC\MD	Ok
9	P4845-01DL	VN084942.D	19 Nov 2024 13:17	JC\MD	Ok,M
10	P4845-04DL	VN084943.D	19 Nov 2024 13:41	JC\MD	Ok
11	P4845-11DL	VN084944.D	19 Nov 2024 14:05	JC\MD	Ok
12	P4845-19DL	VN084945.D	19 Nov 2024 14:29	JC\MD	Ok
13	P4845-09	VN084946.D	19 Nov 2024 14:53	JC\MD	Ok
14	P4845-02	VN084947.D	19 Nov 2024 15:15	JC\MD	Ok
15	P4848-02	VN084948.D	19 Nov 2024 15:40	JC\MD	Ok
16	P4871-01DL	VN084949.D	19 Nov 2024 16:04	JC\MD	Ok
17	P4845-16	VN084950.D	19 Nov 2024 16:28	JC\MD	Ok
18	P4845-20	VN084951.D	19 Nov 2024 16:52	JC\MD	Ok
19	P4843-01	VN084952.D	19 Nov 2024 17:16	JC\MD	Ok
20	P4845-08	VN084953.D	19 Nov 2024 17:40	JC\MD	Ok
21	P4845-15	VN084954.D	19 Nov 2024 18:04	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111924

Review By	John Carlone	Review On	11/20/2024 10:08:31 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/20/2024 1:01:30 PM		
SubDirectory	VN111924	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131651
Initial Calibration Stds	
CCC	VP131652,VP131653
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4849-02	VN084955.D	19 Nov 2024 18:28	JC\MD	Ok
23	P4844-01	VN084956.D	19 Nov 2024 18:52	JC\MD	Ok
24	IBLK	VN084957.D	19 Nov 2024 19:16	JC\MD	Ok
25	VSTDCCC050	VN084958.D	19 Nov 2024 19:40	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112024

Review By	Semsettin Yesilyurt	Review On	11/21/2024 6:44:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/21/2024 6:46:29 AM		
SubDirectory	VN112024	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131654
Initial Calibration Stds	
CCC	VP131655,VP131656
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084959.D	20 Nov 2024 09:51	JC\MD	Ok
2	VSTDCCC050	VN084960.D	20 Nov 2024 11:18	JC\MD	Ok,M
3	VN1120MBL01	VN084961.D	20 Nov 2024 11:57	JC\MD	Not Ok
4	VN1120WBL01	VN084962.D	20 Nov 2024 12:21	JC\MD	Ok
5	VN1120WBS01	VN084963.D	20 Nov 2024 12:45	JC\MD	Not Ok
6	VN1120WBS02	VN084964.D	20 Nov 2024 13:20	JC\MD	Ok,M
7	P4864-01	VN084965.D	20 Nov 2024 13:44	JC\MD	Ok
8	PB165108TB	VN084966.D	20 Nov 2024 14:08	JC\MD	Ok
9	PB165122TB	VN084967.D	20 Nov 2024 14:33	JC\MD	Ok
10	P4770-01	VN084968.D	20 Nov 2024 14:57	JC\MD	Not Ok
11	P4845-12	VN084969.D	20 Nov 2024 15:21	JC\MD	Ok
12	VN1120WBSD02	VN084970.D	20 Nov 2024 15:45	JC\MD	Not Ok
13	P4893-04	VN084971.D	20 Nov 2024 16:09	JC\MD	Ok
14	P4893-08	VN084972.D	20 Nov 2024 16:34	JC\MD	Ok
15	P4910-04	VN084973.D	20 Nov 2024 16:58	JC\MD	Ok,M
16	P4910-08	VN084974.D	20 Nov 2024 17:22	JC\MD	Ok,M
17	P4916-04	VN084975.D	20 Nov 2024 17:46	JC\MD	Ok,M
18	P4916-08	VN084976.D	20 Nov 2024 18:10	JC\MD	Ok,M
19	P4916-12	VN084977.D	20 Nov 2024 18:34	JC\MD	Ok,M
20	P4924-04	VN084978.D	20 Nov 2024 18:58	JC\MD	Ok,M
21	P4925-04	VN084979.D	20 Nov 2024 19:22	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112024

Review By	Semsettin Yesilyurt	Review On	11/21/2024 6:44:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/21/2024 6:46:29 AM		
SubDirectory	VN112024	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131654
Initial Calibration Stds	
CCC	VP131655,VP131656
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4925-08	VN084980.D	20 Nov 2024 19:46	JC\MD	Ok,M
23	P4921-01	VN084981.D	20 Nov 2024 20:10	JC\MD	Not Ok
24	VN1120WBSD02	VN084982.D	20 Nov 2024 20:34	JC\MD	Ok,M
25	P4770-01	VN084983.D	20 Nov 2024 20:58	JC\MD	Ok
26	P4892-04	VN084984.D	20 Nov 2024 21:22	JC\MD	Ok
27	VSTDCCC050	VN084985.D	20 Nov 2024 21:46	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112224

Review By	John Carlone	Review On	11/25/2024 9:42:43 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/25/2024 2:03:31 PM		
SubDirectory	VN112224	HP Acquire Method		HP Processing Method	82N112224W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131747
Initial Calibration Stds	VP131752,VP131753,VP131754,VP131755,VP131756,VP131757
CCC	VP131751
Internal Standard/PEM	
ICV/I.BLK	VP131758
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085003.D	22 Nov 2024 09:29	JC\MD	Ok
2	VSTDCCC050	VN085004.D	22 Nov 2024 10:40	JC\MD	Not Ok
3	VSTDICC100	VN085005.D	22 Nov 2024 11:22	JC\MD	Ok,M
4	VSTDICCC050	VN085006.D	22 Nov 2024 11:46	JC\MD	Ok,M
5	VSTDICC020	VN085007.D	22 Nov 2024 12:10	JC\MD	Ok,M
6	VSTDICC010	VN085008.D	22 Nov 2024 12:34	JC\MD	Ok,M
7	VSTDICC005	VN085009.D	22 Nov 2024 12:57	JC\MD	Ok,M
8	VSTDICC001	VN085010.D	22 Nov 2024 13:45	JC\MD	Ok,M
9	IBLK	VN085011.D	22 Nov 2024 14:09	JC\MD	Ok
10	VSTDICV050	VN085012.D	22 Nov 2024 16:07	JC\MD	Ok,M
11	VN1122WBL01	VN085013.D	22 Nov 2024 17:05	JC\MD	Ok
12	VN1122WBS01	VN085014.D	22 Nov 2024 18:05	JC\MD	Ok,M
13	VN1122WBSD01	VN085015.D	22 Nov 2024 18:29	JC\MD	Ok,M
14	P4845-21	VN085016.D	22 Nov 2024 19:17	JC\MD	Dilution
15	P4845-22	VN085017.D	22 Nov 2024 19:41	JC\MD	ReRun
16	P4845-23	VN085018.D	22 Nov 2024 20:05	JC\MD	Ok,M
17	P4845-24	VN085019.D	22 Nov 2024 20:29	JC\MD	Ok,M
18	VSTDCCC050	VN085020.D	22 Nov 2024 20:52	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112624

Review By	John Carlone	Review On	11/27/2024 9:14:27 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/27/2024 10:40:12 AM		
SubDirectory	VN112624	HP Acquire Method		HP Processing Method	82N112224W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131812
Initial Calibration Stds	
CCC	VP131813,VP131814
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085034.D	26 Nov 2024 08:37	JC\MD	Ok
2	VSTDCCC050	VN085035.D	26 Nov 2024 10:47	JC\MD	Ok,M
3	VN1126MBL01	VN085036.D	26 Nov 2024 11:21	JC\MD	Not Ok
4	VN1126WBL01	VN085037.D	26 Nov 2024 11:45	JC\MD	Ok
5	VN1126MBL02	VN085038.D	26 Nov 2024 12:09	JC\MD	Ok
6	VN1126WBS01	VN085039.D	26 Nov 2024 13:44	JC\MD	Ok,M
7	P4845-21DL	VN085040.D	26 Nov 2024 14:08	JC\MD	Ok
8	P4845-22	VN085041.D	26 Nov 2024 14:32	JC\MD	Ok,M
9	VN1126WBSD02	VN085042.D	26 Nov 2024 14:59	JC\MD	Not Ok
10	PB165249TB	VN085043.D	26 Nov 2024 15:23	JC\MD	Ok
11	P4985-04	VN085044.D	26 Nov 2024 15:47	JC\MD	Ok
12	P4985-08	VN085045.D	26 Nov 2024 16:11	JC\MD	Ok
13	P5000-08	VN085046.D	26 Nov 2024 16:35	JC\MD	Ok
14	P5000-04	VN085047.D	26 Nov 2024 16:59	JC\MD	Ok,M
15	VN1126WBSD01	VN085048.D	26 Nov 2024 17:23	JC\MD	Ok,M
16	P5006-18	VN085049.D	26 Nov 2024 17:48	JC\MD	Not Ok
17	VSTDCCC050	VN085050.D	26 Nov 2024 18:12	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084569.D	30 Oct 2024 10:42		JC\MD	Ok
2	VSTDICC100	VSTDICC100	VN084570.D	30 Oct 2024 11:46	Comp #03 fail for %D	JC\MD	Ok,M
3	VSTDICCC050	VSTDICCC050	VN084571.D	30 Oct 2024 12:09	LR-03,06,16,18,43	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN084572.D	30 Oct 2024 12:33	QR-88	JC\MD	Ok,M
5	VSTDICC010	VSTDICC010	VN084573.D	30 Oct 2024 12:57		JC\MD	Ok,M
6	VSTDICC005	VSTDICC005	VN084574.D	30 Oct 2024 13:21		JC\MD	Ok,M
7	VSTDICC001	VSTDICC001	VN084575.D	30 Oct 2024 13:45		JC\MD	Ok,M
8	VIBLK	VIBLK	VN084576.D	30 Oct 2024 14:42		JC\MD	Ok
9	VSTDICV050	ICVVN103024	VN084577.D	30 Oct 2024 15:06		JC\MD	Ok,M
10	BFB	BFB	VN084578.D	30 Oct 2024 19:24		JC\MD	Ok
11	VSTDCCC050	VSTDCCC050	VN084579.D	30 Oct 2024 20:12		JC\MD	Ok,M
12	VN1030MBL01	VN1030MBL01	VN084580.D	30 Oct 2024 20:48		JC\MD	Ok
13	VN1030WBL01	VN1030WBL01	VN084581.D	30 Oct 2024 21:12		JC\MD	Ok
14	VN1030WBS01	VN1030WBS01	VN084582.D	30 Oct 2024 21:46		JC\MD	Ok,M
15	VN1030WBSD01	VN1030WBSD01	VN084583.D	30 Oct 2024 22:10		JC\MD	Ok,M
16	P4594-04	TP-4	VN084584.D	30 Oct 2024 22:34	pH#5.0 A	JC\MD	Ok,M
17	P4594-08	BP-F17	VN084585.D	30 Oct 2024 22:58	pH#5.0 A	JC\MD	Ok
18	P4594-12	BP-F16	VN084586.D	30 Oct 2024 23:22	pH#5.0 A	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4594-16	TP-5	VN084587.D	30 Oct 2024 23:46	pH#7.0 A	JC\MD	Ok
20	P4594-20	BP-F15	VN084588.D	31 Oct 2024 00:09	pH#6.0 A	JC\MD	Ok
21	P4597-03	RED-1-1	VN084589.D	31 Oct 2024 00:34	pH#6.0 A	JC\MD	Ok
22	P4597-06	RED-1-2	VN084590.D	31 Oct 2024 00:57	pH#5.0 A	JC\MD	Ok,M
23	P4597-09	BLUE-2-1	VN084591.D	31 Oct 2024 01:21	pH#5.0 A	JC\MD	Ok
24	P4597-12	BLUE-2-2	VN084592.D	31 Oct 2024 01:45	pH#5.0 A	JC\MD	Ok,M
25	P4598-04	BP-F12	VN084593.D	31 Oct 2024 02:09	pH#7.0 A	JC\MD	Ok
26	P4598-08	BP-F11	VN084594.D	31 Oct 2024 02:33	pH#7.0 A	JC\MD	Ok
27	P4598-12	TP-8	VN084595.D	31 Oct 2024 02:57	pH#6.0 A	JC\MD	Ok
28	P4611-03	TP-1	VN084596.D	31 Oct 2024 03:21	pH#5.0 A	JC\MD	Ok
29	P4611-06	TP-2	VN084597.D	31 Oct 2024 03:45	pH#5.0 A	JC\MD	Ok
30	P4611-09	TP-3	VN084598.D	31 Oct 2024 04:09	pH#5.0 A	JC\MD	Ok
31	P4611-12	TP-4	VN084599.D	31 Oct 2024 04:33	pH#5.0 A	JC\MD	Ok
32	P4611-15	TP-5	VN084600.D	31 Oct 2024 04:57	pH#5.0 A	JC\MD	Ok
33	P4611-18	TP-6	VN084601.D	31 Oct 2024 05:21	pH#5.0 A	JC\MD	Ok
34	P4612-04	MOO-24-00335	VN084602.D	31 Oct 2024 05:45	pH#5.0 A	JC\MD	Ok
35	P4613-02	ARS20-0001	VN084603.D	31 Oct 2024 06:09	pH#5.0 A	JC\MD	Ok
36	PB164501ZHE#13	PB164501ZHE#13	VN084604.D	31 Oct 2024 06:33	pH#5.0 A	JC\MD	Ok,M
37	PB164501ZHE#14	PB164501ZHE#14	VN084605.D	31 Oct 2024 06:57	pH#5.0 A	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	PB164501ZHE#15	PB164501ZHE#15	VN084606.D	31 Oct 2024 07:22	pH#5.0 A	JC\MD	Ok,M
39	PB164501ZHE#16	PB164501ZHE#16	VN084607.D	31 Oct 2024 07:46	pH#5.0 A	JC\MD	Ok
40	PB164501ZHE#17	PB164501ZHE#17	VN084608.D	31 Oct 2024 08:10	pH#5.0 A	JC\MD	Ok,M
41	PB164501ZHE#18	PB164501ZHE#18	VN084609.D	31 Oct 2024 08:34	pH#5.0 A	JC\MD	Ok,M
42	PB164501ZHE#19	PB164501ZHE#19	VN084610.D	31 Oct 2024 08:58	pH#5.0 A	JC\MD	Ok,M
43	PB164501ZHE#20	PB164501ZHE#20	VN084611.D	31 Oct 2024 09:22	pH#5.0 A	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111724

Review By	John Carlone	Review On	11/18/2024 9:47:07 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/18/2024 3:14:18 PM		
SubDirectory	VN111724	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131560
Initial Calibration Stds	
CCC	VP131561,VP131562
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084883.D	17 Nov 2024 10:03		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084884.D	17 Nov 2024 10:27	CCC high for com#38	JC\MD	Ok,M
3	VN1117MBL01	VN1117MBL01	VN084885.D	17 Nov 2024 11:02		JC\MD	Ok
4	VN1117WBL01	VN1117WBL01	VN084886.D	17 Nov 2024 11:26		JC\MD	Ok
5	VN1117WBS01	VN1117WBS01	VN084887.D	17 Nov 2024 11:50		JC\MD	Ok,M
6	VN1117WBSD01	VN1117WBSD01	VN084888.D	17 Nov 2024 12:25		JC\MD	Ok,M
7	P4845-09	FSND-RB-1-20241111	VN084889.D	17 Nov 2024 12:48	vial A pH<2 Surrogate fail	JC\MD	ReRun
8	P4845-10	FSND-RB-2-20241112	VN084890.D	17 Nov 2024 13:12	vial A pH<2	JC\MD	Ok
9	P4845-01	FSND-MW-27-2024111	VN084891.D	17 Nov 2024 13:36	vial A pH<2 Need 5X	JC\MD	Dilution
10	P4845-02	FSND-MW-B-3-202411	VN084892.D	17 Nov 2024 14:00	vial A pH<2 E Flag in Previous Sample	JC\MD	ReRun
11	P4845-03	FSND-MW-36-2024111	VN084893.D	17 Nov 2024 14:24	vial A pH<2	JC\MD	Ok
12	P4845-04	FSND-MW-22R-20241	VN084894.D	17 Nov 2024 14:48	vial A pH<2 Need 5X	JC\MD	Dilution
13	P4845-08	FSND-MW-35-2024111	VN084895.D	17 Nov 2024 15:12	vial A pH<2 Surrogate fail	JC\MD	ReRun
14	P4845-11	FSND-MW-33-2024111	VN084896.D	17 Nov 2024 15:36	vial A pH<2 Need 5X	JC\MD	Dilution
15	P4845-12	FSND-MW-31-2024111	VN084897.D	17 Nov 2024 16:00	vial A pH<2 E Flag in Previous Sample	JC\MD	ReRun
16	P4845-13	FSND-MW-9-20241111	VN084898.D	17 Nov 2024 16:24	vial A pH<2	JC\MD	Ok
17	P4845-14	FSND-MW-5-20241111	VN084899.D	17 Nov 2024 16:48	vial A pH<2	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111724

Review By	John Carlone	Review On	11/18/2024 9:47:07 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/18/2024 3:14:18 PM		
SubDirectory	VN111724	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131560
Initial Calibration Stds	
CCC	VP131561,VP131562
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P4845-15	FSND-MW-12R-202411	VN084900.D	17 Nov 2024 17:12	vial A pH<2 CCC high	JC\MD	ReRun
19	P4845-16	FSND-MW-DUP-01-202	VN084901.D	17 Nov 2024 17:36	vial A pH<2 CCC high	JC\MD	ReRun
20	P4845-17	FSND-MW-17-2024111	VN084902.D	17 Nov 2024 18:01	vial A pH<2	JC\MD	Ok
21	P4845-18	FSND-FD-2-20241111	VN084903.D	17 Nov 2024 18:25	vial A pH<2	JC\MD	Ok
22	P4845-19	FSND-GEP-2-202411111	VN084904.D	17 Nov 2024 18:49	vial A pH<2 Need 5X	JC\MD	Dilution
23	P4845-20	FSND-MW-14-2024111	VN084905.D	17 Nov 2024 19:13	vial A pH<2 E Flag in Previous Sample; CCC high	JC\MD	ReRun
24	P4845-05	FSND-MW-23-2024111	VN084906.D	17 Nov 2024 19:37	vial A pH<2	JC\MD	Ok
25	P4845-06MS	FSND-MW-23-2024111	VN084907.D	17 Nov 2024 20:01	vial A pH<2	JC\MD	Ok,M
26	P4845-07MSD	FSND-MW-23-2024111	VN084908.D	17 Nov 2024 20:25	vial A pH<2	JC\MD	Ok,M
27	VSTDCCC050	VSTDCCC050EC	VN084909.D	17 Nov 2024 20:49		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111924

Review By	John Carlone	Review On	11/20/2024 10:08:31 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/20/2024 1:01:30 PM		
SubDirectory	VN111924	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131651
Initial Calibration Stds	
CCC	VP131652,VP131653
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084934.D	19 Nov 2024 08:15		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084935.D	19 Nov 2024 09:27		JC\MD	Ok,M
3	VN1119MBL01	VN1119MBL01	VN084936.D	19 Nov 2024 10:43		JC\MD	Ok
4	VN1119WBL01	VN1119WBL01	VN084937.D	19 Nov 2024 11:07		JC\MD	Ok
5	VN1119WBS01	VN1119WBS01	VN084938.D	19 Nov 2024 11:40		JC\MD	Ok,M
6	VN1119WBSD01	VN1119WBSD01	VN084939.D	19 Nov 2024 12:04		JC\MD	Ok,M
7	P4770-01	MW-1	VN084940.D	19 Nov 2024 12:28	Need 2500X	JC\MD	Dilution
8	P4770-02	MW-3	VN084941.D	19 Nov 2024 12:52	vial B pH<2	JC\MD	Ok
9	P4845-01DL	FSND-MW-27-2024111	VN084942.D	19 Nov 2024 13:17	vial B pH<2	JC\MD	Ok,M
10	P4845-04DL	FSND-MW-22R-202411	VN084943.D	19 Nov 2024 13:41	vial B pH<2	JC\MD	Ok
11	P4845-11DL	FSND-MW-33-2024111	VN084944.D	19 Nov 2024 14:05	vial B pH<2	JC\MD	Ok
12	P4845-19DL	FSND-GEP-2-20241111	VN084945.D	19 Nov 2024 14:29	vial B pH<2	JC\MD	Ok
13	P4845-09	FSND-RB-1-20241111	VN084946.D	19 Nov 2024 14:53	vial B pH<2	JC\MD	Ok
14	P4845-02	FSND-MW-B-3-202411	VN084947.D	19 Nov 2024 15:15	vial B pH<2	JC\MD	Ok
15	P4848-02	TP-1	VN084948.D	19 Nov 2024 15:40	vial B pH#5.0	JC\MD	Ok
16	P4871-01DL	WC-10-A-202411DL	VN084949.D	19 Nov 2024 16:04	vial B pH#5.0	JC\MD	Ok
17	P4845-16	FSND-MW-DUP-01-202	VN084950.D	19 Nov 2024 16:28	vial B pH<2	JC\MD	Ok
18	P4845-20	FSND-MW-14-2024111	VN084951.D	19 Nov 2024 16:52	vial B pH<2	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111924

Review By	John Carlone	Review On	11/20/2024 10:08:31 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/20/2024 1:01:30 PM		
SubDirectory	VN111924	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131651
Initial Calibration Stds	
CCC	VP131652,VP131653
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4843-01	SW-WTS-01	VN084952.D	19 Nov 2024 17:16	vial B pH<2	JC\MD	Ok
20	P4845-08	FSND-MW-35-2024111	VN084953.D	19 Nov 2024 17:40	vial B pH<2	JC\MD	Ok
21	P4845-15	FSND-MW-12R-202411	VN084954.D	19 Nov 2024 18:04	vial B pH<2	JC\MD	Ok
22	P4849-02	RR-1	VN084955.D	19 Nov 2024 18:28	vial B pH#5.0	JC\MD	Ok
23	P4844-01	241113075-01-VOA	VN084956.D	19 Nov 2024 18:52	vial C pH#6.0	JC\MD	Ok
24	IBLK	IBLK	VN084957.D	19 Nov 2024 19:16		JC\MD	Ok
25	VSTDCCC050	VSTDCCC050EC	VN084958.D	19 Nov 2024 19:40		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112024

Review By	Semsettin Yesilyurt	Review On	11/21/2024 6:44:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/21/2024 6:46:29 AM		
SubDirectory	VN112024	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131654
Initial Calibration Stds	
CCC	VP131655,VP131656
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084959.D	20 Nov 2024 09:51		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084960.D	20 Nov 2024 11:18		JC\MD	Ok,M
3	VN1120MBL01	VN1120MBL01	VN084961.D	20 Nov 2024 11:57	not needed	JC\MD	Not Ok
4	VN1120WBL01	VN1120WBL01	VN084962.D	20 Nov 2024 12:21		JC\MD	Ok
5	VN1120WBS01	VN1120WBS01	VN084963.D	20 Nov 2024 12:45	recovery low	JC\MD	Not Ok
6	VN1120WBS02	VN1120WBS02	VN084964.D	20 Nov 2024 13:20		JC\MD	Ok,M
7	P4864-01	MONTCLAIR-TOTE-2	VN084965.D	20 Nov 2024 13:44	vial A pH<2	JC\MD	Ok
8	PB165108TB	PB165108TB	VN084966.D	20 Nov 2024 14:08		JC\MD	Ok
9	PB165122TB	PB165122TB	VN084967.D	20 Nov 2024 14:33		JC\MD	Ok
10	P4770-01	MW-1	VN084968.D	20 Nov 2024 14:57	Not Required	JC\MD	Not Ok
11	P4845-12	FSND-MW-31-2024111	VN084969.D	20 Nov 2024 15:21	vial B pH<2	JC\MD	Ok
12	VN1120WBSD02	VN1120WBSD02	VN084970.D	20 Nov 2024 15:45	Recovery fail	JC\MD	Not Ok
13	P4893-04	MH-763	VN084971.D	20 Nov 2024 16:09	vial A pH#5.0	JC\MD	Ok
14	P4893-08	MH-762	VN084972.D	20 Nov 2024 16:34	vial A pH#5.0	JC\MD	Ok
15	P4910-04	MH-COTTAGE	VN084973.D	20 Nov 2024 16:58	vial A pH#5.0	JC\MD	Ok,M
16	P4910-08	MH-759	VN084974.D	20 Nov 2024 17:22	vial A pH#5.0	JC\MD	Ok,M
17	P4916-04	TP-1-WC	VN084975.D	20 Nov 2024 17:46	vial A pH#5.0	JC\MD	Ok,M
18	P4916-08	TP-2-WC	VN084976.D	20 Nov 2024 18:10	vial A pH#5.0	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112024

Review By	Semsettin Yesilyurt	Review On	11/21/2024 6:44:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/21/2024 6:46:29 AM		
SubDirectory	VN112024	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131654
Initial Calibration Stds	
CCC	VP131655,VP131656
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4916-12	TP-3-WC	VN084977.D	20 Nov 2024 18:34	vial A pH#5.0	JC\MD	Ok,M
20	P4924-04	MH-4	VN084978.D	20 Nov 2024 18:58	vial A pH#5.0	JC\MD	Ok,M
21	P4925-04	MH-741	VN084979.D	20 Nov 2024 19:22	vial A pH#5.0	JC\MD	Ok,M
22	P4925-08	MH-741	VN084980.D	20 Nov 2024 19:46	vial A pH#5.0	JC\MD	Ok,M
23	P4921-01	WC-11-A-202411	VN084981.D	20 Nov 2024 20:10	vial A pH#5.0 need straight run	JC\MD	Not Ok
24	VN1120WBSD02	VN1120WBSD02	VN084982.D	20 Nov 2024 20:34		JC\MD	Ok,M
25	P4770-01	MW-1	VN084983.D	20 Nov 2024 20:58	vial B pH<2	JC\MD	Ok
26	P4892-04	WB-310-SW	VN084984.D	20 Nov 2024 21:22	vial A pH<2	JC\MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VN084985.D	20 Nov 2024 21:46		JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112224

Review By	John Carlone	Review On	11/25/2024 9:42:43 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/25/2024 2:03:31 PM		
SubDirectory	VN112224	HP Acquire Method		HP Processing Method	82N112224W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131747
Initial Calibration Stds	VP131752,VP131753,VP131754,VP131755,VP131756,VP131757
CCC	VP131751
Internal Standard/PEM	
ICV/I.BLK	VP131758
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085003.D	22 Nov 2024 09:29		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085004.D	22 Nov 2024 10:40	Need ICAL	JC\MD	Not Ok
3	VSTDICC100	VSTDICC100	VN085005.D	22 Nov 2024 11:22		JC\MD	Ok,M
4	VSTDICCC050	VSTDICCC050	VN085006.D	22 Nov 2024 11:46		JC\MD	Ok,M
5	VSTDICC020	VSTDICC020	VN085007.D	22 Nov 2024 12:10	Comp. #18 is on Linear Regression	JC\MD	Ok,M
6	VSTDICC010	VSTDICC010	VN085008.D	22 Nov 2024 12:34		JC\MD	Ok,M
7	VSTDICC005	VSTDICC005	VN085009.D	22 Nov 2024 12:57		JC\MD	Ok,M
8	VSTDICC001	VSTDICC001	VN085010.D	22 Nov 2024 13:45		JC\MD	Ok,M
9	IBLK	IBLK	VN085011.D	22 Nov 2024 14:09		JC\MD	Ok
10	VSTDICV050	ICVVN112224	VN085012.D	22 Nov 2024 16:07		JC\MD	Ok,M
11	VN1122WBL01	VN1122WBL01	VN085013.D	22 Nov 2024 17:05		JC\MD	Ok
12	VN1122WBS01	VN1122WBS01	VN085014.D	22 Nov 2024 18:05		JC\MD	Ok,M
13	VN1122WBSD01	VN1122WBSD01	VN085015.D	22 Nov 2024 18:29		JC\MD	Ok,M
14	P4845-21	FSND-MW-13-2024111	VN085016.D	22 Nov 2024 19:17	vial A pH<2 Need 5X	JC\MD	Dilution
15	P4845-22	FSND-MW-11R-202411	VN085017.D	22 Nov 2024 19:41	vial A pH<2 E flage in previous sample	JC\MD	ReRun
16	P4845-23	FSND-MW-18-2024111	VN085018.D	22 Nov 2024 20:05	vial A pH<2	JC\MD	Ok,M
17	P4845-24	FSND-MW-20-2024111	VN085019.D	22 Nov 2024 20:29	vial A pH<2	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112224

Review By	John Carlone	Review On	11/25/2024 9:42:43 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/25/2024 2:03:31 PM		
SubDirectory	VN112224	HP Acquire Method		HP Processing Method	82N112224W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131747
Initial Calibration Stds	VP131752,VP131753,VP131754,VP131755,VP131756,VP131757
CCC	VP131751
Internal Standard/PEM	
ICV/I.BLK	VP131758
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	VSTDCCC050	VSTDCCC050EC	VN085020.D	22 Nov 2024 20:52		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112624

Review By	John Carlone	Review On	11/27/2024 9:14:27 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/27/2024 10:40:12 AM		
SubDirectory	VN112624	HP Acquire Method		HP Processing Method	82N112224W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131812
Initial Calibration Stds	
CCC	VP131813,VP131814
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085034.D	26 Nov 2024 08:37		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085035.D	26 Nov 2024 10:47	V13516	JC\MD	Ok,M
3	VN1126MBL01	VN1126MBL01	VN085036.D	26 Nov 2024 11:21	Contaminated	JC\MD	Not Ok
4	VN1126WBL01	VN1126WBL01	VN085037.D	26 Nov 2024 11:45		JC\MD	Ok
5	VN1126MBL02	VN1126MBL02	VN085038.D	26 Nov 2024 12:09		JC\MD	Ok
6	VN1126WBS01	VN1126WBS01	VN085039.D	26 Nov 2024 13:44		JC\MD	Ok,M
7	P4845-21DL	FSND-MW-13-2024111	VN085040.D	26 Nov 2024 14:08	vial B pH<2	JC\MD	Ok
8	P4845-22	FSND-MW-11R-202411	VN085041.D	26 Nov 2024 14:32	vial B pH<2	JC\MD	Ok,M
9	VN1126WBSD02	VN1126WBSD02	VN085042.D	26 Nov 2024 14:59	Not Required	JC\MD	Not Ok
10	PB165249TB	PB165249TB	VN085043.D	26 Nov 2024 15:23		JC\MD	Ok
11	P4985-04	MH-756-WC	VN085044.D	26 Nov 2024 15:47	vial A pH#5.0	JC\MD	Ok
12	P4985-08	MH-740-WC	VN085045.D	26 Nov 2024 16:11	vial A pH#5.0	JC\MD	Ok
13	P5000-08	MH-733	VN085046.D	26 Nov 2024 16:35	vial A pH#5.0	JC\MD	Ok
14	P5000-04	MH-745	VN085047.D	26 Nov 2024 16:59	vial A pH#5.0	JC\MD	Ok,M
15	VN1126WBSD01	VN1126WBSD01	VN085048.D	26 Nov 2024 17:23		JC\MD	Ok,M
16	P5006-18	TW-WTS-02	VN085049.D	26 Nov 2024 17:48	Need Straight Run	JC\MD	Not Ok
17	VSTDCCC050	VSTDCCC050EC	VN085050.D	26 Nov 2024 18:12		JC\MD	Ok,M

M : Manual Integration

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Prep Standard - Chemical Standard Summary

Order ID : P4845

Test : VOC-TCLVOA-10

Prepbatch ID :

Sequence ID/Qc Batch ID: VN111724,VN111924,VN112024,VN112224,VN112624,

Standard ID :
VP128290,VP128298,VP128632,VP128762,VP128764,VP128766,VP128767,VP128768,VP129195,VP130430,VP130434,VP131063,VP131134,VP131136,VP131314,VP131317,VP131319,VP131560,VP131561,VP131562,VP131651,VP131652,VP131653,VP131654,VP131655,VP131656,VP131746,VP131747,VP131751,VP131752,VP131753,VP131754,VP131755,VP131756,VP131757,VP131758,VP131767,VP131812,VP131813,VP131814,

Chemical ID :
V12794,V12798,V12966,V13390,V13391,V13444,V13448,V13462,V13463,V13581,V13707,V13797,V13810,V13820,V13917,V13918,V13964,V14018,V14019,V14096,V14107,V14108,V14125,V14143,V14145,V14147,V14148,V14150,V14154,V14171,V14172,V14178,V14203,V14206,V14215,V14288,V14289,V14436,V14443,V14573,V14574,V14575,V14578,V14579,W3112,

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP128290	06/10/2024	11/23/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/12/2024

FROM 0.25000ml of V13390 + 24.75000ml of V14148 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
247	8260 Internal Standard, 250PPM	VP128298	06/10/2024	11/23/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/12/2024

FROM 0.10000ml of V14288 + 9.90000ml of V14148 = Final Quantity: 10.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1817	8260 Working Std(2-CVE)-SS, 800ppm	VP128632	06/25/2024	12/11/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/02/2024

FROM 0.80000ml of V13581 + 9.20000ml of V14147 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	VP128762	07/01/2024	12/11/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/02/2024

FROM 0.50000ml of V12798 + 1.50000ml of V12794 + 23.00000ml of V14147 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1812	8260 Working Std(2-CVE)-100ppm	VP128764	07/01/2024	12/11/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/02/2024

FROM 0.20000ml of V12798 + 19.08000ml of V14147 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
719	8260 Working STD (BCM)-First source, 400PPM	VP128766	07/01/2024	12/11/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/02/2024

FROM 1.50000ml of V13462 + 1.50000ml of V13463 + 12.00000ml of V14147 = Final Quantity: 15.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
252	8260 Working STD (BCM)-First source, 100PPM	VP128767	07/01/2024	12/11/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/02/2024

FROM 0.50000ml of V13463 + 9.50000ml of V14147 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
253	8260 Working STD (BCM)-First source, 20PPM	VP128768	07/01/2024	12/11/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/02/2024

FROM 0.10000ml of V13463 + 9.90000ml of V14147 = Final Quantity: 10.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
262	8260 Working STD (BCM)-Second source, 100PPM	VP129195	07/22/2024	01/22/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/26/2024

FROM 1.00000ml of V12966 + 9.00000ml of V14143 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
617	8260 Surrogate, 400PPM	VP130430	09/20/2024	02/28/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 09/26/2024

FROM 0.40000ml of V13707 + 24.60000ml of V14145 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1738	8260 surrogate 20 ppm	VP130434	09/20/2024	02/28/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 10/02/2024

FROM 0.02000ml of V13707 + 24.99000ml of V14145 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
259	8260 Calibration Working STD Mix-Second source, 160PPM	VP131063	10/23/2024	12/01/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 10/28/2024

FROM 0.16000ml of V13448 + 0.60000ml of V13917 + 0.80000ml of V13820 + 0.80000ml of V13964 + 0.80000ml of V14096 + 0.80000ml of V14125 + 0.80000ml of V14178 + 1.00000ml of V13918 + 4.24000ml of V14150 = Final Quantity: 10.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	VP131134	10/28/2024	12/07/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 10/30/2024

FROM 0.40000ml of V13444 + 1.00000ml of V13797 + 1.00000ml of V13810 + 1.00000ml of V14018 + 1.00000ml of V14019 + 1.00000ml of V14107 + 1.00000ml of V14108 + 1.00000ml of V14171 + 1.00000ml of V14172 + 1.00000ml of V14203 + 1.00000ml of V14436 + 1.00000ml of V14443 + 1.50000ml of V14206 + 1.50000ml of V14215 + 10.60000ml of V14150 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
245	8260 Calibration Working STD Mix-First source, 20PPM	VP131136	10/28/2024	12/07/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 10/30/2024

FROM 17.50000ml of V14150 + 2.50000ml of VP131134 = Final Quantity: 20.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
263	8260 Working STD (Acrolein)-Second source, 800PPM	VP131314	11/07/2024	11/29/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/26/2024

FROM 0.60000ml of V14579 + 1.00000ml of V14578 + 8.40000ml of V14150 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP131317	11/07/2024	11/30/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/13/2024

FROM 1.00000ml of V14575 + 1.50000ml of V14573 + 1.50000ml of V14574 + 21.00000ml of V14150 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
180	8260 Working STD (Acrolein)-First source, 100PPM	VP131319	11/07/2024	11/30/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/13/2024

FROM 17.50000ml of V14150 + 2.50000ml of VP131317 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP131560	11/17/2024	11/18/2024	John Carlone	None	None	Mahesh Dadoda 11/20/2024

FROM 39.98400ml of W3112 + 0.01600ml of VP128290 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP131561	11/17/2024	11/18/2024	John Carlone	None	None	Mahesh Dadoda 11/20/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP128298 + 0.01250ml of VP128762 + 0.01250ml of VP131134 + 0.01250ml of VP131317 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP131562	11/17/2024	11/18/2024	John Carlone	None	None	Mahesh Dadoda 11/20/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP128298 + 0.01250ml of VP128762 + 0.01250ml of VP131134 + 0.01250ml of VP131317 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP131651	11/19/2024	11/20/2024	John Carlone	None	None	Mahesh Dadoda 11/28/2024

FROM 39.98400ml of W3112 + 0.01600ml of VP128290 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP131652	11/19/2024	11/20/2024	John Carlone	None	None	Mahesh Dadoda 11/28/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP128298 + 0.01250ml of VP128762 + 0.01250ml of VP131134 + 0.01250ml of VP131317 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP131653	11/19/2024	11/20/2024	John Carlone	None	None	Mahesh Dadoda 11/28/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP128298 + 0.01250ml of VP128762 + 0.01250ml of VP131134 + 0.01250ml of VP131317 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP131654	11/20/2024	11/21/2024	John Carlone	None	None	Mahesh Dadoda 11/28/2024

FROM 39.98400ml of W3112 + 0.01600ml of VP128290 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP131655	11/20/2024	11/21/2024	John Carlone	None	None	Mahesh Dadoda 11/28/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP128298 + 0.01250ml of VP128762 + 0.01250ml of VP131134 + 0.01250ml of VP131317 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP131656	11/20/2024	11/21/2024	John Carlone	None	None	Mahesh Dadoda 11/28/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP128298 + 0.01250ml of VP128762 + 0.01250ml of VP131134 + 0.01250ml of VP131317 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
247	8260 Internal Standard, 250PPM	VP131746	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/23/2024

FROM 0.50000ml of V14289 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP131747	11/22/2024	11/23/2024	John Carlone	None	None	Mahesh Dadoda 11/23/2024

FROM 39.98400ml of W3112 + 0.01600ml of VP128290 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP131751	11/22/2024	11/23/2024	John Carlone	None	None	Mahesh Dadoda 11/23/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP131746 + 0.01250ml of VP128762 + 0.01250ml of VP131134 + 0.01250ml of VP131317 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
334	1 PPB ICC, 8260-Water	VP131752	11/22/2024	11/23/2024	John Carlone	None	None	Mahesh Dadoda 11/23/2024

FROM 39.98200ml of W3112 + 0.00200ml of VP128764 + 0.00200ml of VP128768 + 0.00200ml of VP130434 + 0.00200ml of VP131136 + 0.00200ml of VP131319 + 0.00800ml of VP131746 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
335	5 PPB ICC, 8260-Water	VP131753	11/22/2024	11/23/2024	John Carlone	None	None	Mahesh Dadoda 11/23/2024

FROM 39.94200ml of W3112 + 0.00800ml of VP131746 + 0.01000ml of VP128764 + 0.01000ml of VP128768 + 0.01000ml of VP130434 + 0.01000ml of VP131136 + 0.01000ml of VP131319 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
336	10 PPB ICC, 8260-Water	VP131754	11/22/2024	11/23/2024	John Carlone	None	None	Mahesh Dadoda 11/23/2024

FROM 39.92700ml of W3112 + 0.00100ml of VP130430 + 0.00400ml of VP128767 + 0.00800ml of VP131746 + 0.02000ml of VP128764 + 0.02000ml of VP131136 + 0.02000ml of VP131319 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
337	20 PPB ICC, 8260-Water	VP131755	11/22/2024	11/23/2024	John Carlone	None	None	Mahesh Dadoda 11/23/2024

FROM 39.97000ml of W3112 + 0.00200ml of VP128766 + 0.00200ml of VP130430 + 0.00500ml of VP128762 + 0.00500ml of VP131134 + 0.00500ml of VP131317 + 0.00800ml of VP131746 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
380	50 PPB ICC, 8260-Water	VP131756	11/22/2024	11/23/2024	John Carlone	None	None	Mahesh Dadoda 11/23/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP131746 + 0.01250ml of VP128762 + 0.01250ml of VP131134 + 0.01250ml of VP131317 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
381	100 PPB ICC, 8260-Water	VP131757	11/22/2024	11/23/2024	John Carlone	None	None	Mahesh Dadoda 11/23/2024

FROM 39.89700ml of W3112 + 0.00800ml of VP131746 + 0.01000ml of VP128766 + 0.01000ml of VP130430 + 0.02500ml of VP128762 + 0.02500ml of VP131134 + 0.02500ml of VP131317 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
385	50 PPB ICV, 8260-Water	VP131758	11/22/2024	11/23/2024	John Carlone	None	None	Mahesh Dadoda 11/23/2024

FROM 39.92950ml of W3112 + 0.00500ml of VP130430 + 0.00800ml of VP131746 + 0.01250ml of VP128632 + 0.01250ml of VP131063 + 0.01250ml of VP131314 + 0.02000ml of VP129195 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP131767	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/27/2024

FROM 0.50000ml of V13391 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP131812	11/26/2024	11/27/2024	John Carlone	None	None	Mahesh Dadoda 11/28/2024

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP131813	11/26/2024	11/27/2024	John Carlone	None	None	Mahesh Dadoda 11/28/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP131746 + 0.01250ml of VP128762 + 0.01250ml of VP131134 + 0.01250ml of VP131317 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP131814	11/26/2024	11/27/2024	John Carlone	None	None	Mahesh Dadoda 11/28/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP131746 + 0.01250ml of VP128762 + 0.01250ml of VP131134 + 0.01250ml of VP131317 = Final Quantity: 40.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	121321	12/13/2024	06/25/2024 / SAM	03/30/2022 / SAM	V12794

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	121321	12/13/2024	06/25/2024 / SAM	03/30/2022 / SAM	V12798

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	70046 / Bromochloromethane Std. sol/methanol 1000ppm	070122	01/22/2025	07/22/2024 / SAM	07/06/2022 / SAM	V12966

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	12/08/2024	12/08/2023 / SAM	01/13/2023 / SAM	V13390

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/22/2025	11/22/2024 / SAM	01/13/2023 / SAM	V13391

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0181905	12/14/2024	06/14/2024 / SAM	01/23/2023 / SAM	V13444

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0191703	12/03/2024	06/03/2024 / SAM	01/23/2023 / SAM	V13448

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	01/01/2025	07/01/2024 / SAM	01/27/2023 / SAM	V13462

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	01/01/2025	07/01/2024 / SAM	01/27/2023 / SAM	V13463

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	111722	12/25/2024	06/25/2024 / SAM	01/30/2023 / SAM	V13581

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0196865	06/10/2025	06/10/2024 / SAM	04/12/2023 / SAM	V13707

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0194279	04/17/2025	10/17/2024 / SAM	05/31/2023 / SAM	V13797

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0194279	04/17/2025	10/17/2024 / SAM	05/31/2023 / SAM	V13810

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0197644	04/14/2025	10/14/2024 / SAM	05/31/2023 / SAM	V13820

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0193887	04/14/2025	10/14/2024 / SAM	07/24/2023 / SAM	V13917

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0193887	04/17/2025	10/17/2024 / SAM	07/24/2023 / SAM	V13918

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0199224	12/31/2024	09/04/2024 / SAM	09/25/2023 / SAM	V13964

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	032922	03/16/2025	09/16/2024 / SAM	11/22/2023 / SAM	V14018

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	032922	03/16/2025	09/16/2024 / SAM	11/22/2023 / SAM	V14019

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0205177	03/04/2025	09/04/2024 / SAM	12/22/2023 / SAM	V14096

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0205179	04/17/2025	10/17/2024 / SAM	12/22/2023 / SAM	V14107

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0205179	03/16/2025	09/16/2024 / SAM	12/22/2023 / SAM	V14108

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	011624	04/17/2025	10/17/2024 / SAM	01/17/2024 / SAM	V14125

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	01/22/2025	07/22/2024 / SAM	02/06/2024 / SAM	V14143

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	02/28/2025	08/29/2024 / SAM	02/06/2024 / SAM	V14145

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	12/11/2024	06/11/2024 / pedro	02/06/2024 / SAM	V14147

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	11/23/2024	05/23/2024 / pedro	02/06/2024 / SAM	V14148

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	04/23/2025	10/23/2024 / Rajesh	02/06/2024 / SAM	V14150

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	05/18/2025	11/18/2024 / pedro	02/06/2024 / SAM	V14154

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	03/16/2025	09/16/2024 / SAM	02/20/2024 / SAM	V14171

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	03/16/2025	09/16/2024 / SAM	02/20/2024 / SAM	V14172

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021524	04/17/2025	10/17/2024 / SAM	02/20/2024 / SAM	V14178

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	04/17/2025	10/17/2024 / SAM	02/28/2024 / SAM	V14203

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	04/17/2025	10/17/2024 / SAM	02/28/2024 / SAM	V14206

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	03/16/2025	09/16/2024 / SAM	02/28/2024 / SAM	V14215

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	06/10/2025	06/10/2024 / SAM	04/15/2024 / SAM	V14288

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	11/22/2025	11/22/2024 / SAM	04/15/2024 / SAM	V14289

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	09/30/2025	09/16/2024 / SAM	08/15/2024 / SAM	V14436

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	03/16/2025	09/16/2024 / SAM	08/15/2024 / SAM	V14443

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	103024	11/30/2024	11/04/2024 / SAM	11/01/2024 / SAM	V14573

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	103024	11/30/2024	11/04/2024 / SAM	11/01/2024 / SAM	V14574

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	103024	11/30/2024	11/04/2024 / SAM	11/01/2024 / SAM	V14575

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	102924	11/29/2024	11/04/2024 / SAM	11/01/2024 / SAM	V14578

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	102924	11/29/2024	11/04/2024 / SAM	11/01/2024 / SAM	V14579

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

12

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

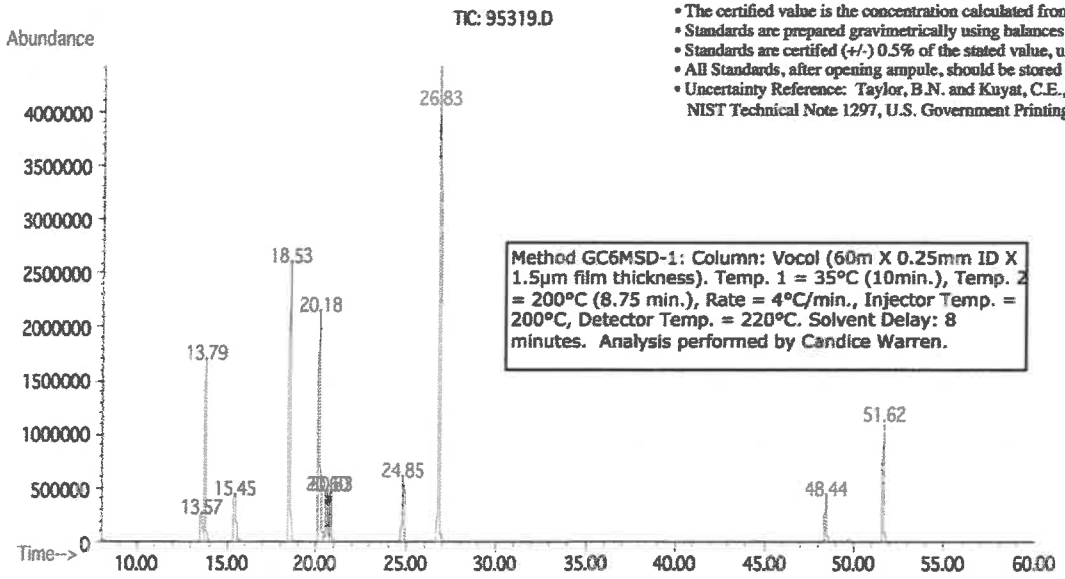
Part Number: 95319
Lot Number: 011624
Description: Revised Additions Mix
11 components
Expiration Date: 011627
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EH471-US

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

Formulated By:	Prashant Chauhan	011624 DATE
Reviewed By:	Pedro L. Rentas	011624 DATE

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acrylonitrile	7	4718CK	10000	99	0.2	1.01035	1.01080	10004.4	40.6	107-13-1	N/A	ori-rat 78 mg/kg
2.	1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20007	0.20035	2002.8	8.1	109-69-3	N/A	ori-rat 2670mg/kg
3.	Cyclohexane	1023	28930	2000	99	0.2	0.20207	0.20222	2001.5	8.2	110-82-7	300 ppm (1050mg/m3/8H)	ori-rat 12705mg/kg
4.	Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20207	0.20227	2002.0	8.2	108-20-3	500 ppm (2100mg/m3/8H)	ori-rat 8470mg/kg
5.	1,4-Dioxane	373	03853KE	40000	99	0.2	4.04142	4.04213	40007.0	162.5	123-91-1	25 ppm (90mg/m3/8H)(skin)	ori-mus 5700mg/kg
6.	Hexachloroethane	199	12604HBV	2000	99	0.2	0.20207	0.20221	2001.4	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	ori-gpg 4970mg/kg
7.	Methylcyclohexane	1627	SHBG0199V	2000	99	0.2	0.20207	0.20230	2002.3	8.2	108-87-2	N/A	ori-mus 2250mg/kg
8.	Methyl tert-butyl ether (MTBE)	209	21880	2000	99	0.2	0.20207	0.20227	2002.0	8.2	1634-04-4	N/A	ori-rat 4g/kg
9.	Propionitrile	349	1395468	20000	99	0.2	2.02071	2.02150	20007.8	81.3	107-12-0	N/A	ori-rat 39mg/kg
10.	Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00125	1.00200	10007.5	40.3	109-99-9	20 ppm (590mg/m3/8H)	ori-rat 1650mg/kg
11.	1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21511	0.21522	2001.0	8.7	488-23-3	N/A	ori-rat 6408mg/kg



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021524
Description: Universal VOA Megamix
69 components
Expiration Date: 021527
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 8UTB

Solvent(s): Methanol Lot# EG359-USQ12

Formulated By: Mario Luis 021524 DATE

Reviewed By: Pedro L. Rentas 021524 DATE

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

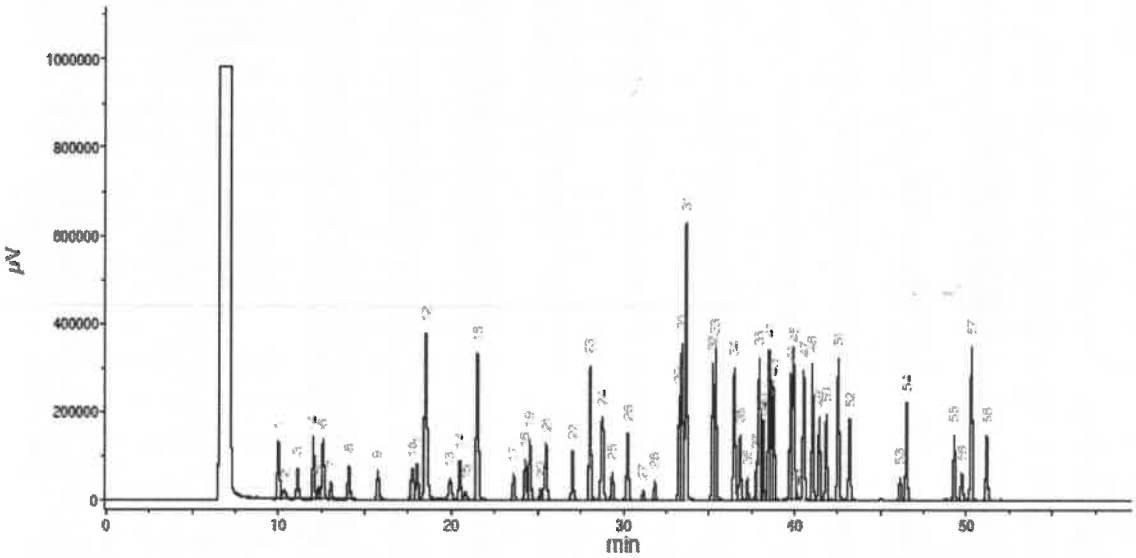
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expended Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20022	2001.5	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2.	Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20222	2001.5	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3.	Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4.	cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21060	2000.2	8.5	1476-11-5	N/A	N/A
5.	trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20734	2000.3	8.4	110-57-6	N/A	N/A
6.	Diethyl ether	(0153)	IK18CAS000(	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20042	2001.7	8.1	60-29-7	N/A	N/A
7.	Ethyl methacrylate	(0381)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20231	2002.4	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8.	Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20118	2001.2	8.1	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9.	2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10.	Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20209	2000.2	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11.	Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20042	2001.7	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12.	Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20030	2000.5	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13.	Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14.	2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20570	2001.0	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15.	Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20415	2000.2	8.3	76-01-7	N/A	N/A
16.	1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20210	2000.3	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17.	Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18.	Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19.	cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20.	trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21.	Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22.	1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23.	Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24.	Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25.	Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26.	Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27.	1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28.	2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29.	Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30.	1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31.	1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32.	1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33.	1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34.	1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35.	1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36.	1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37.	cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38.	trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39.	Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40.	1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41.	1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42.	1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43.	Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44.	1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.8mg/kg
45.	Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	050823	0.05	5.00	40005.6	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50.	Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51.	Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52.	Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53.	1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1260mg/kg
54.	1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55.	1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56.	1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57.	m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58.	tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59.	sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68.	o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69.	p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 17, "P95317 L021524 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 10:04:27 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydrogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropene	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.66
32	o-Xylene	33.22
33	Styrene	35.39
34	Isopropylbenzene/Bromoform	36.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	43.10
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.48
55	1,2,4-Trichlorobenzene	48.26
56	Hexachlorobutadiene	49.22
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EG359-USQ12

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 5E-05 Balance Uncertainty 0.021 Flask Uncertainty

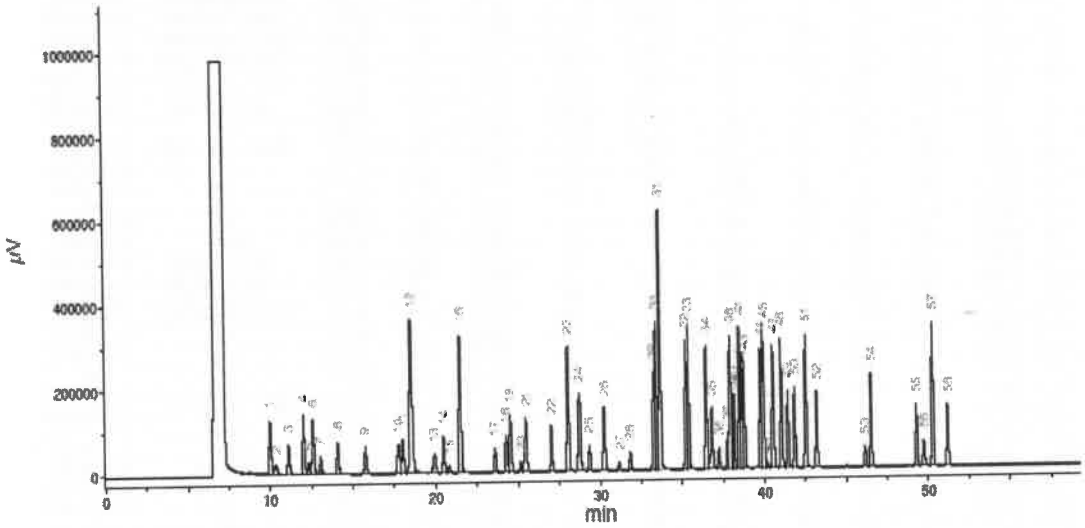
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2.	Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3.	Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4.	cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5.	trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6.	Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7.	Ethyl methacrylate	(0381)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8.	Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9.	2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10.	Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11.	Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12.	Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13.	Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14.	2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15.	Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16.	1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17.	Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18.	Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19.	cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20.	trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21.	Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22.	1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23.	Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24.	Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25.	Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26.	Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27.	1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28.	2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29.	Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30.	1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31.	1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32.	1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33.	1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34.	1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35.	1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36.	1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37.	cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38.	trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39.	Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40.	1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41.	1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42.	1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43.	Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44.	1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45.	Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50.	Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51.	Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52.	Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53.	1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54.	1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55.	1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56.	1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57.	m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58.	tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59.	sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68.	o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69.	p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.46
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethene	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.86
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.18
35	cis-1,4-Dichloro-2-Butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-2-Butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.46
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EG359-USQ12

Formulated By:	Prashant Chauhan	021624	DATE
Reviewed By:	Pedro L. Rentas	021624	DATE

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

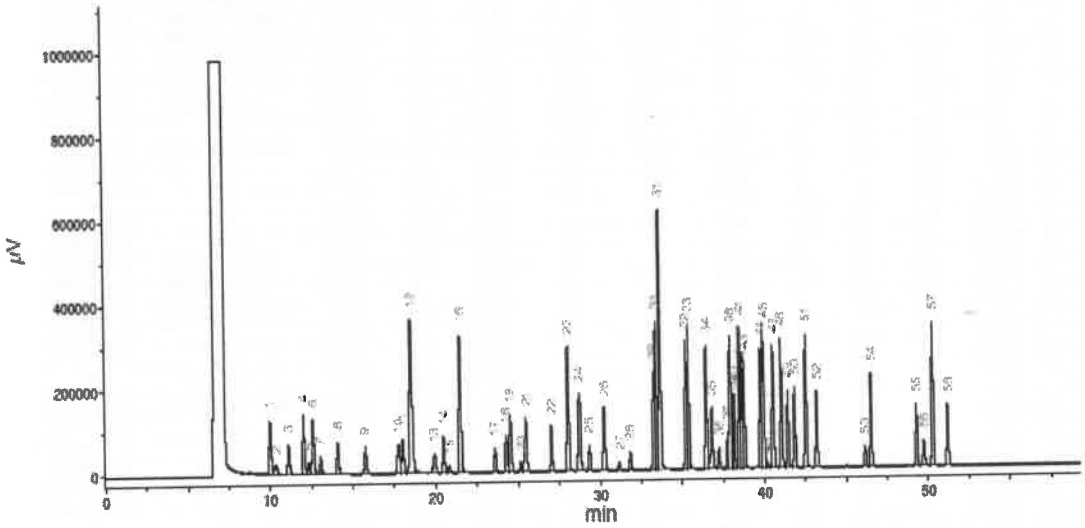
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2.	Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3.	Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4.	cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5.	trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6.	Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7.	Ethyl methacrylate	(0381)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8.	Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9.	2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10.	Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11.	Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12.	Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13.	Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14.	2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15.	Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16.	1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17.	Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18.	Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19.	cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20.	trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21.	Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22.	1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23.	Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24.	Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25.	Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26.	Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27.	1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28.	2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29.	Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30.	1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31.	1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32.	1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33.	1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34.	1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35.	1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36.	1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37.	cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38.	trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39.	Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40.	1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41.	1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42.	1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43.	Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44.	1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45.	Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50.	Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51.	Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52.	Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53.	1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54.	1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55.	1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56.	1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57.	m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58.	tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59.	sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68.	o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69.	p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.46
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.86
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.18
35	cis-1,4-Dichloro-2-Butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-2-Butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.46
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

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PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

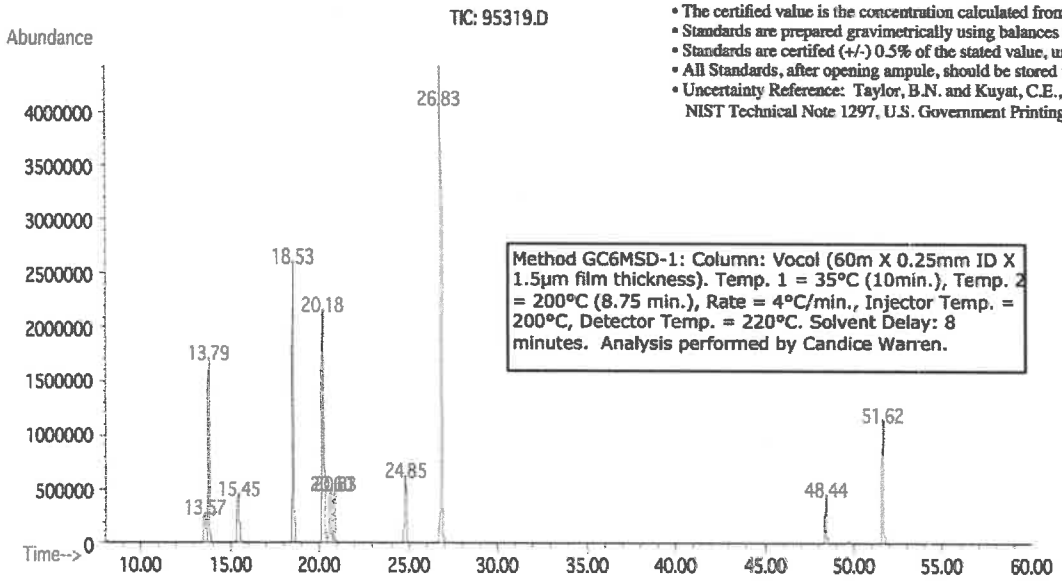
Part Number: 95319
Lot Number: 032922
Description: Revised Additions Mix
11 components
Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EC592-US

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Prashant Chauhan		032922
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		032922
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01030	10001.5	40.5	107-13-1	N/A	orl-rat 78 mg/kg
2. 1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20003	0.20020	2001.7	8.1	109-69-3	N/A	orl-rat 2670mg/kg
3. Cyclohexane	1023	28930	2000	99	0.2	0.20203	0.20215	2001.2	8.2	110-82-7	300 ppm (1050mg/m3/8H)	orl-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-20-3	500 ppm (2100mg/m3/8H)	orl-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04060	4.04100	40004.0	161.9	123-91-1	25 ppm (90mg/m3/8H)(skin)	orl-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20203	0.20213	2001.0	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
7. Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-87-2	N/A	N/A
8. Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20041	0.20055	2001.4	8.1	1634-04-4	N/A	orl-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02045	20001.5	81.0	107-12-0	N/A	orl-rat 39mg/kg
10. Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00105	1.00120	10001.5	40.1	109-99-9	20 ppm (590mg/m3/8H)	orl-rat 1650mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21506	0.21520	2001.3	8.7	488-23-3	N/A	orl-rat 6408mg/kg



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components:	CAS#:	LD50 Oral - Rat	OSHA PEL	% (optional)
Methanol	67-56-1	2,769 mg/kg	200 ppm	> 99

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

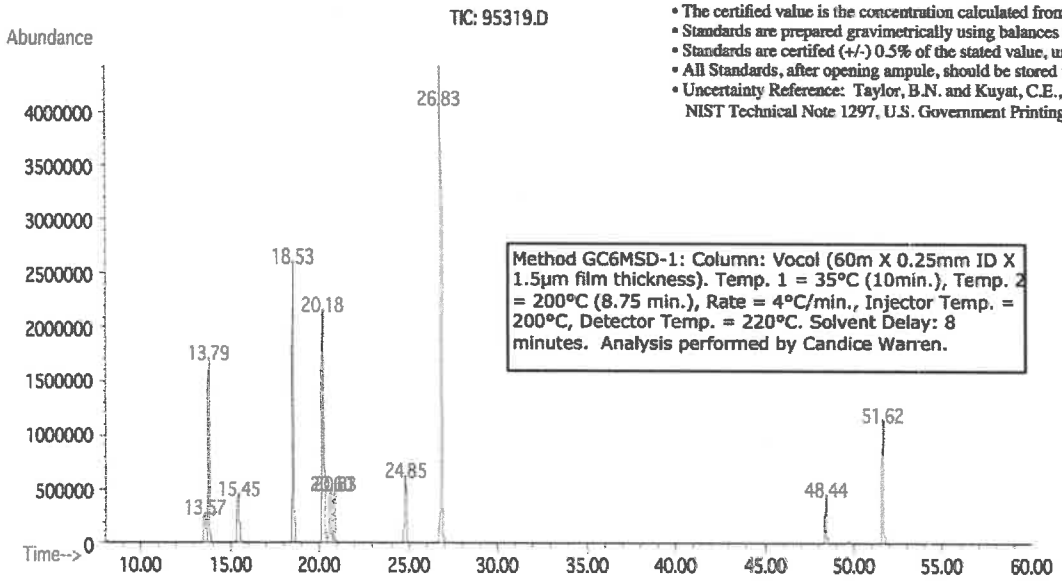
Part Number: 95319
Lot Number: 032922
Description: Revised Additions Mix
11 components
Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EC592-US

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Formulated By:	Prashant Chauhan	032922 DATE
Reviewed By:	Pedro L. Rentas	032922 DATE

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01030	10001.5	40.5	107-13-1	N/A	orl-rat 78 mg/kg
2.	1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20003	0.20020	2001.7	8.1	109-69-3	N/A	orl-rat 2670mg/kg
3.	Cyclohexane	1023	28930	2000	99	0.2	0.20203	0.20215	2001.2	8.2	110-82-7	300 ppm (1050mg/m3/8H)	orl-rat 12705mg/kg
4.	Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-20-3	500 ppm (2100mg/m3/8H)	orl-rat 8470mg/kg
5.	1,4-Dioxane	373	03853KE	40000	99	0.2	4.04060	4.04100	40004.0	161.9	123-91-1	25 ppm (90mg/m3/8H)(skin)	orl-mus 5700mg/kg
6.	Hexachloroethane	199	12604HBV	2000	99	0.2	0.20203	0.20213	2001.0	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
7.	Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-87-2	N/A	N/A
8.	Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20041	0.20055	2001.4	8.1	1634-04-4	N/A	orl-rat 4g/kg
9.	Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02045	20001.5	81.0	107-12-0	N/A	orl-rat 39mg/kg
10.	Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00105	1.00120	10001.5	40.1	109-99-9	20 ppm (590mg/m3/8H)	orl-rat 1650mg/kg
11.	1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21506	0.21520	2001.3	8.7	488-23-3	N/A	orl-rat 6408mg/kg



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components:	CAS#:	LD50 Oral - Rat	OSHA PEL	% (optional)
Methanol	67-56-1	2,769 mg/kg	200 ppm	> 99

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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Certified Reference Material CRM

2 vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 102924
Description: Acrolein

Expiration Date: 112924
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

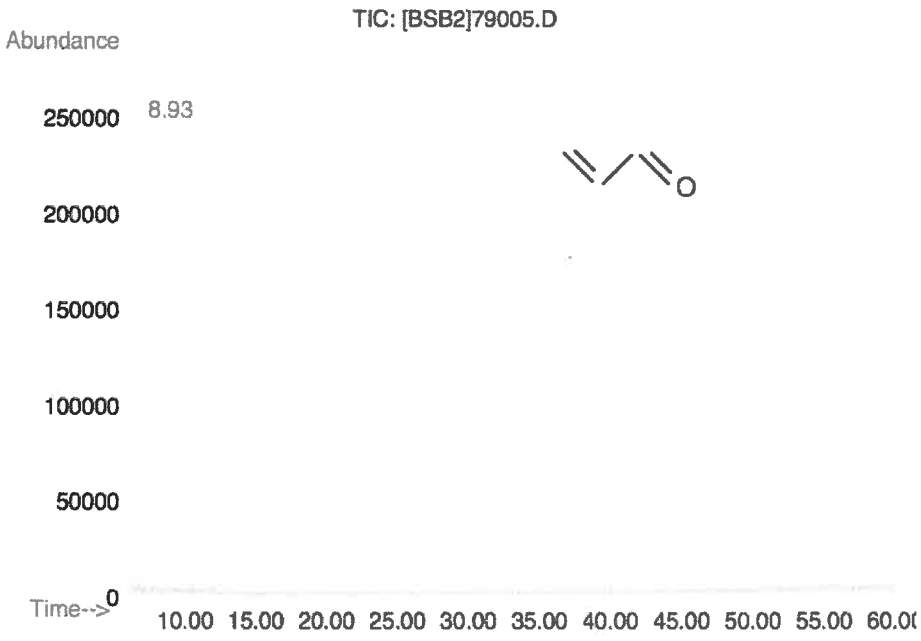
Solvent(s): **Lot#**
Water 072324Q

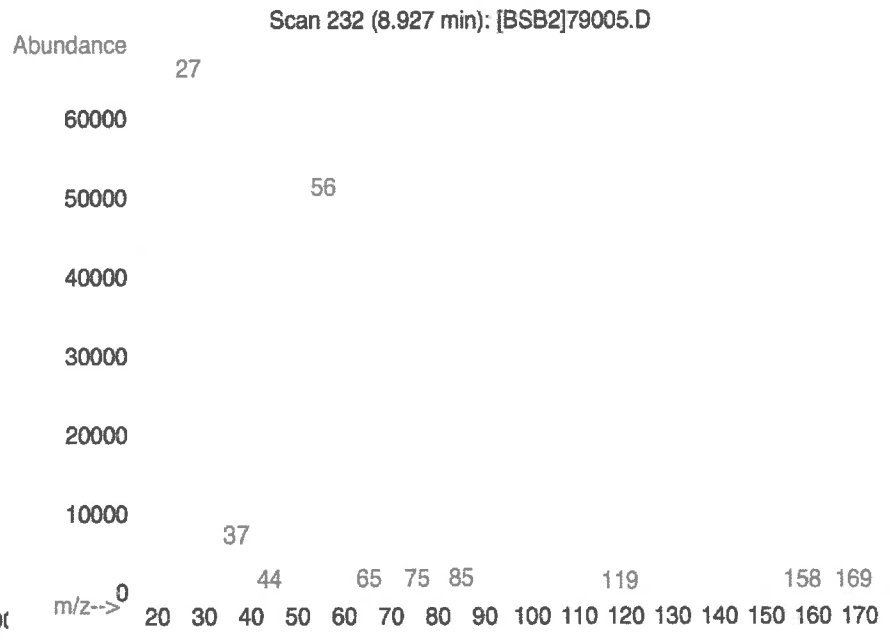
Formulated By:	Justin Dippold	102924 DATE
Reviewed By:	Pedro L. Rentas	102924 DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Absolute Standards, Inc.
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Certified Reference Material CRM

2 vials

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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 102924
Description: Acrolein

Expiration Date: 112924
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

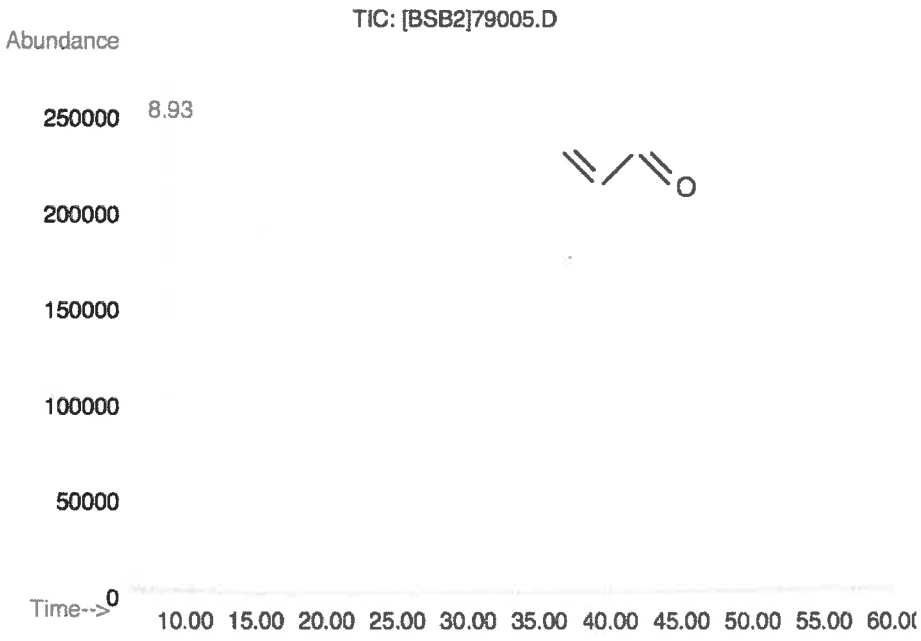
Solvent(s): **Lot#**
Water 072324Q

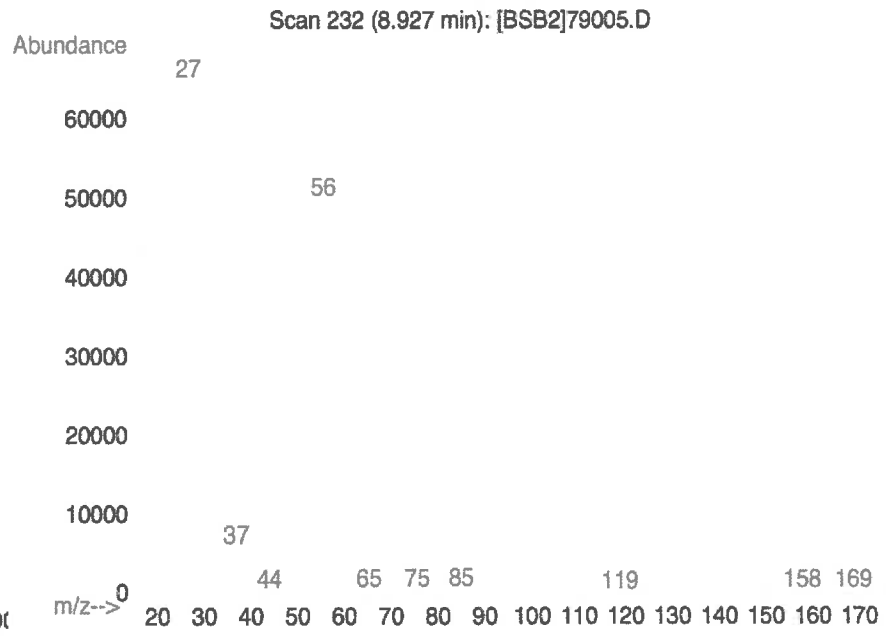
Formulated By:	Justin Dippold	102924 DATE
Reviewed By:	Pedro L. Rentas	102924 DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
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Certified Reference Material CRM 5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 103024
Description: Acrolein

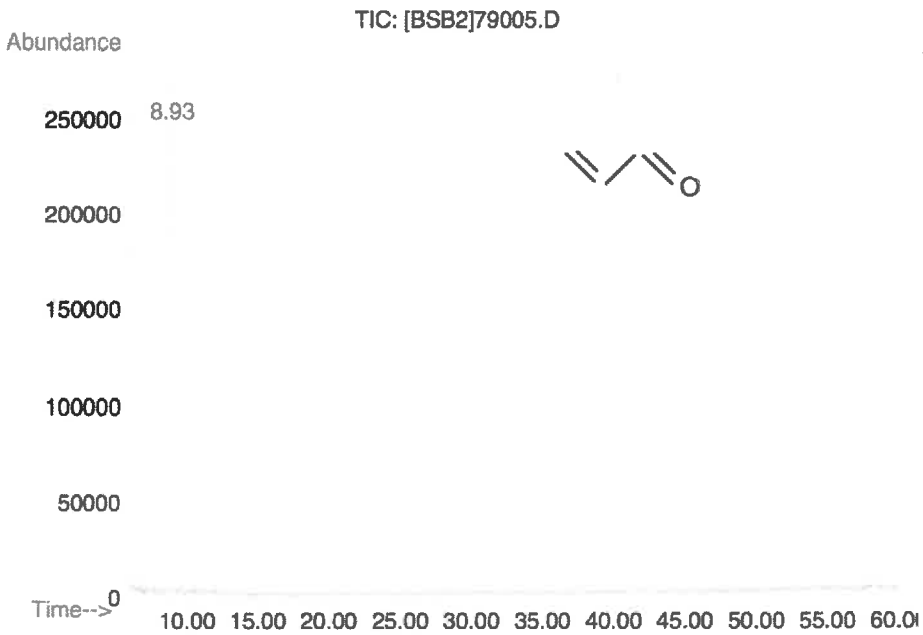
Solvent(s): **Lot#**
Water 072324Q

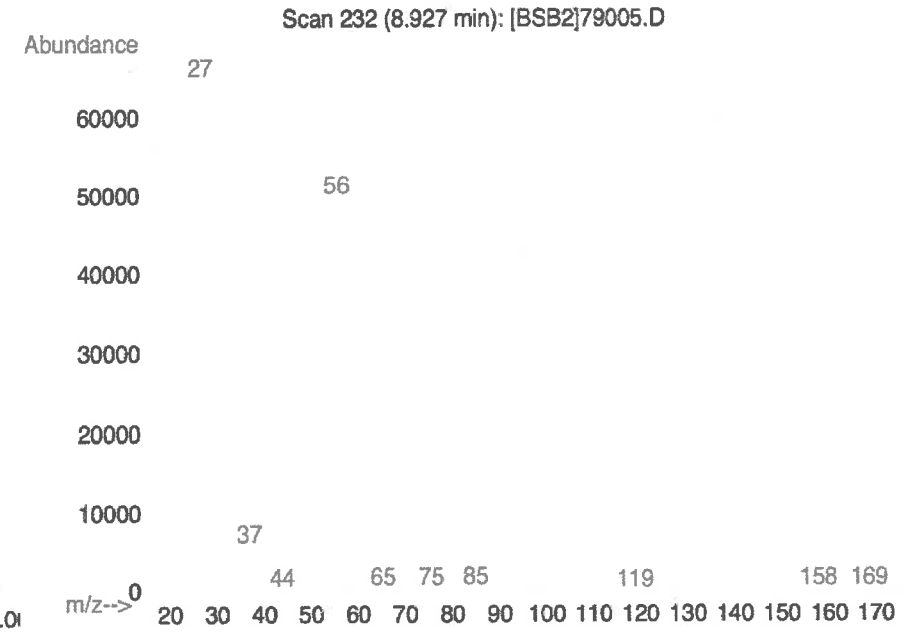
Expiration Date: 113024
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

Formulated By:	Lawrence Barry	103024 DATE
Reviewed By:	Pedro L. Rentas	103024 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755R02H	5000	97	0.5	0.10307	0.10322	5007.0	51.9	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water	CAS#: 7732-18-5	TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

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	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — NA
Conditions to avoid — NA
Materials to avoid — NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat — NA
LC50 Inhalation - Rat — NA
LD50 Dermal - Guinea pig — NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 — NA
EC50 — NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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Certified Reference Material CRM 5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 103024
Description: Acrolein

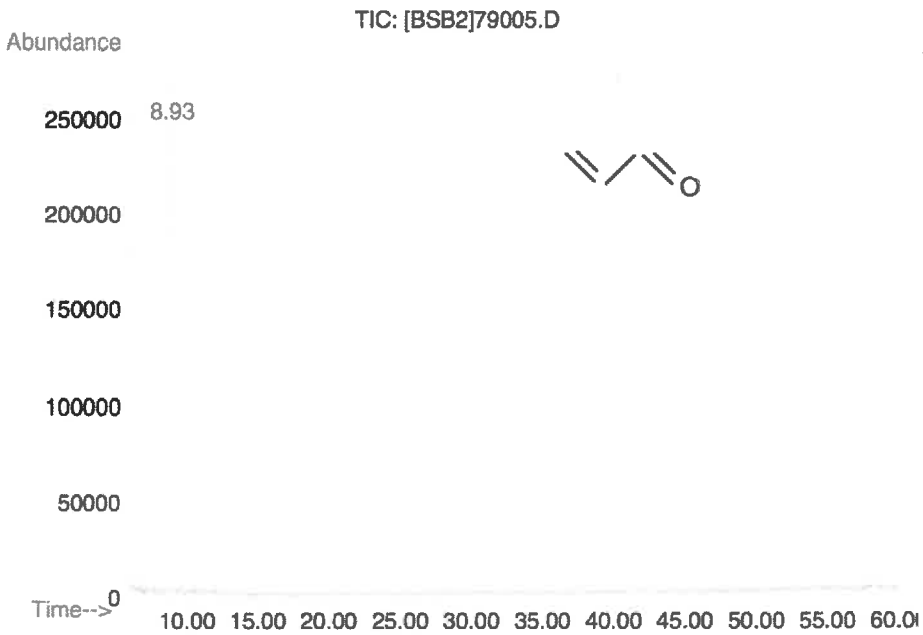
Solvent(s): **Lot#**
Water 072324Q

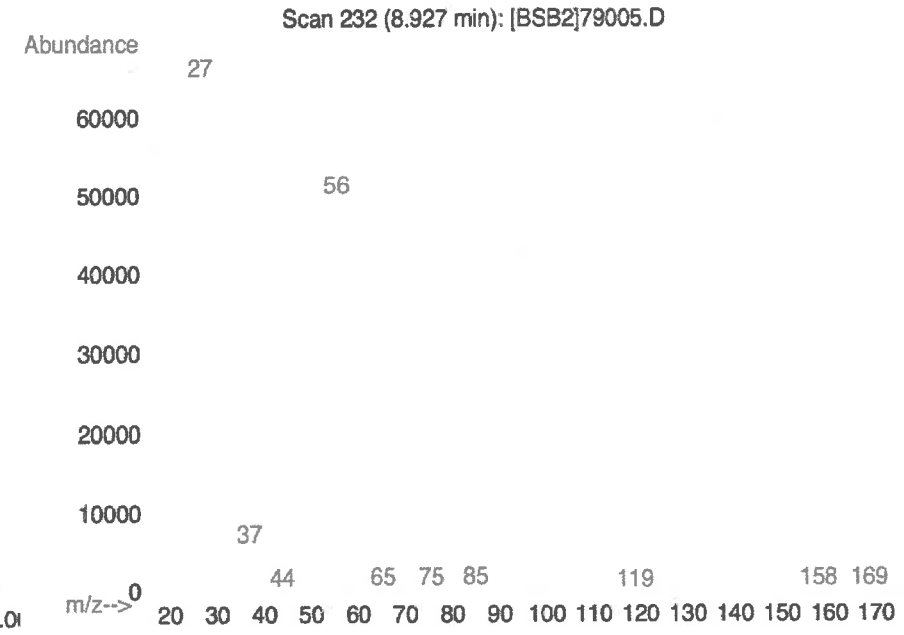
Expiration Date: 113024
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

Formulated By:	Lawrence Barry	103024 DATE
Reviewed By:	Pedro L. Rentas	103024 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755R02H	5000	97	0.5	0.10307	0.10322	5007.0	51.9	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water	CAS#: 7732-18-5	TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

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	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA

Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA

Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 103024
Description: Acrolein

Expiration Date: 113024
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

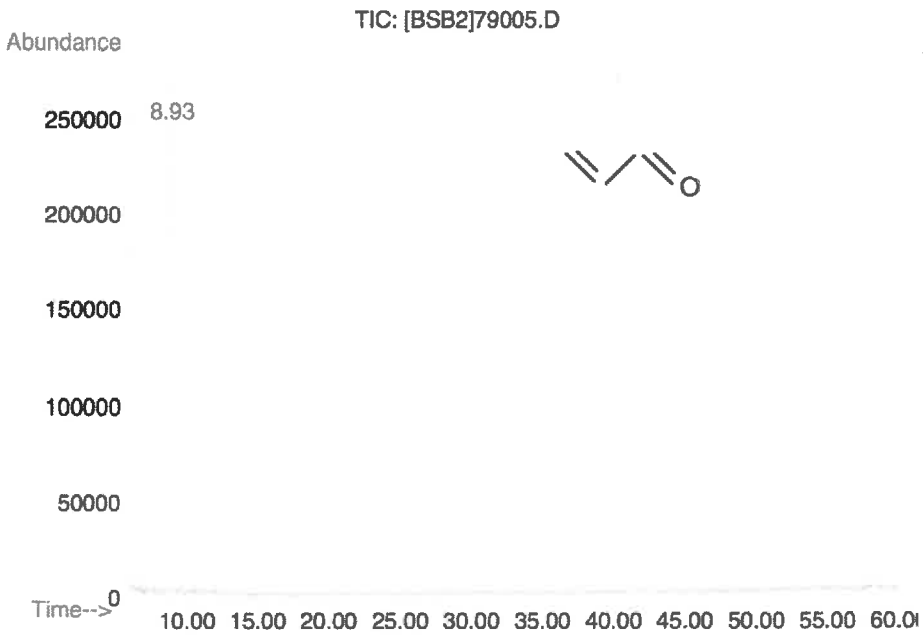
Solvent(s): **Lot#**
Water 072324Q

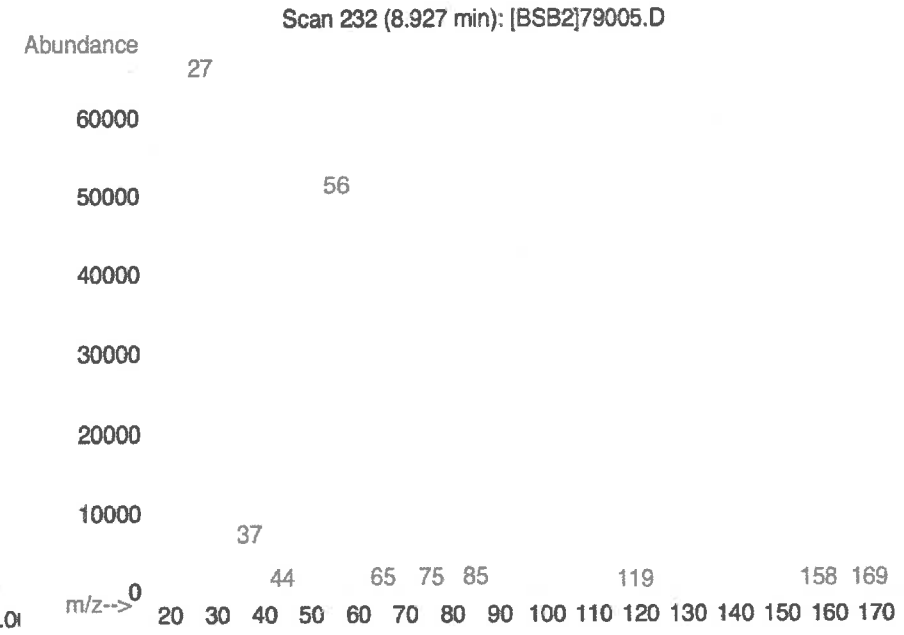
Formulated By:	Lawrence Barry	103024 DATE
Reviewed By:	Pedro L. Rentas	103024 DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755R02H	5000	97	0.5	0.10307	0.10322	5007.0	51.9	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

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GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
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Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water	CAS#: 7732-18-5	TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

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	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — NA
Conditions to avoid — NA
Materials to avoid — NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat — NA
LC50 Inhalation - Rat — NA
LD50 Dermal - Guinea pig — NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 — NA
EC50 — NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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Certified Reference Material CRM

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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 111722
Description: 2-Chloroethyl vinyl ether

Solvent(s): Methanol **Lot#** EB679-US

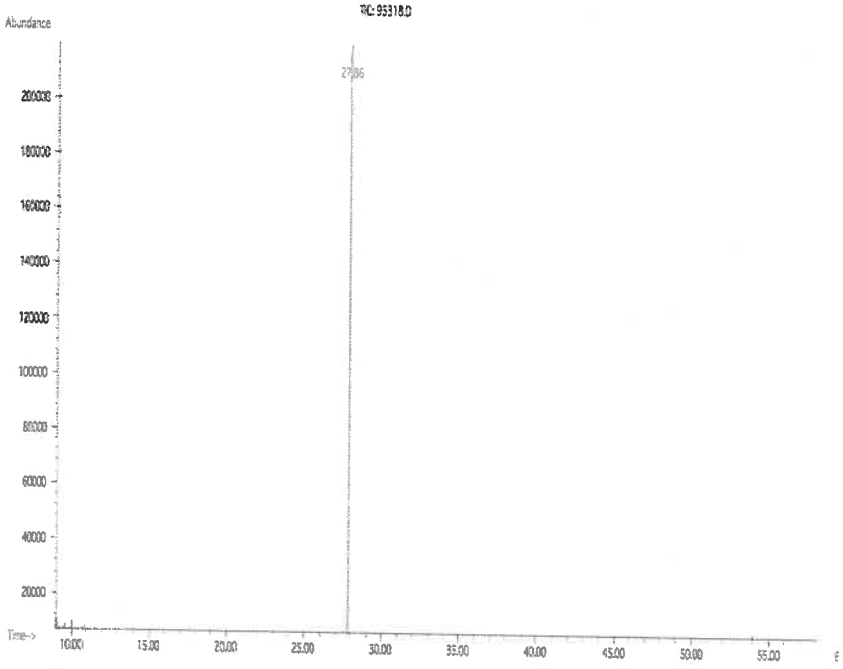
Expiration Date: 111725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

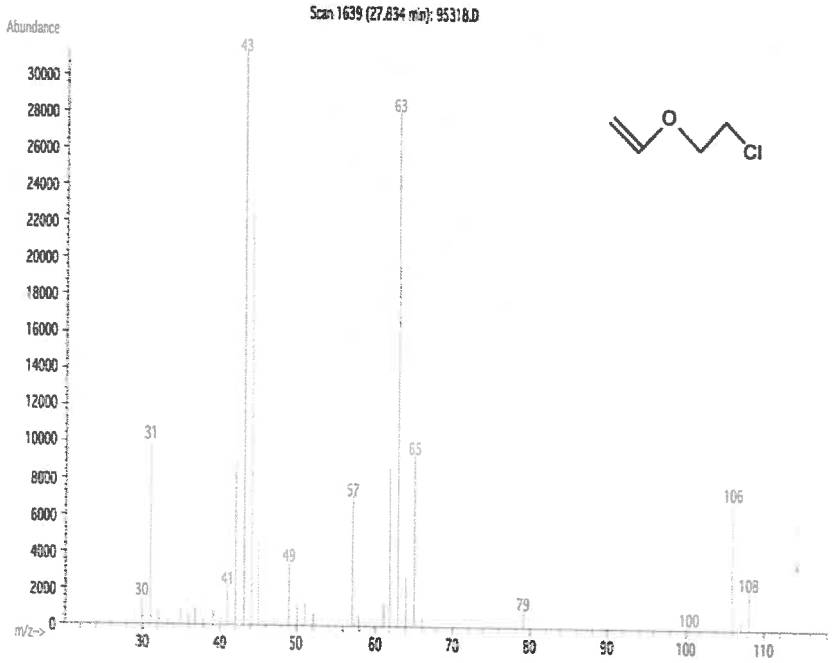
Weight(s) shown below were combined and diluted to (mL): 50.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

Formulated By:	Eli Aliaga	111722 DATE
Reviewed By:	Pedro L. Rentas	111722 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50541	0.50551	10001.9	40.5	110-75-8	N/A	orl-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 121321
Description: 2-Chloroethyl vinyl ether

Expiration Date: 121324
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

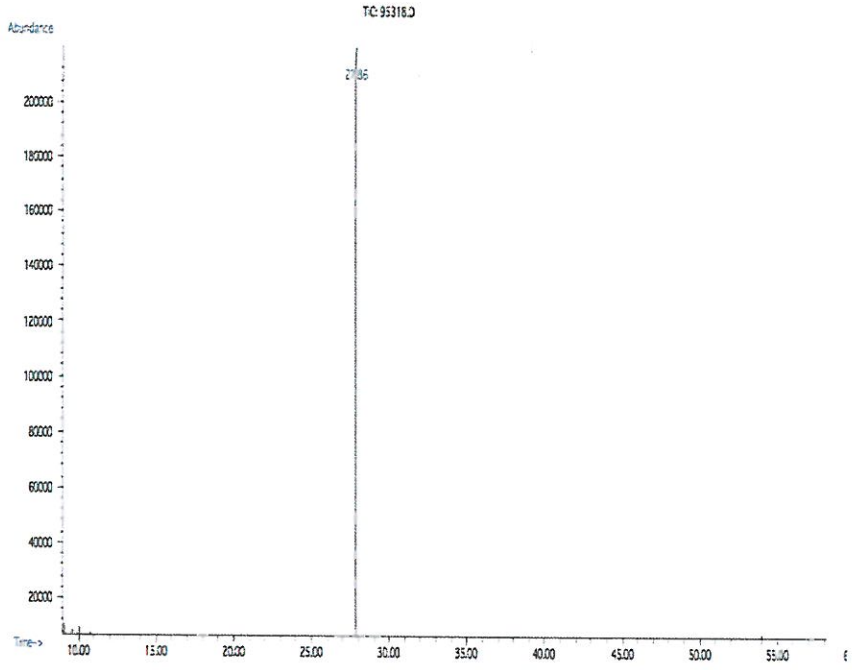
Solvent(s):	Lot#
Methanol	EA899-US

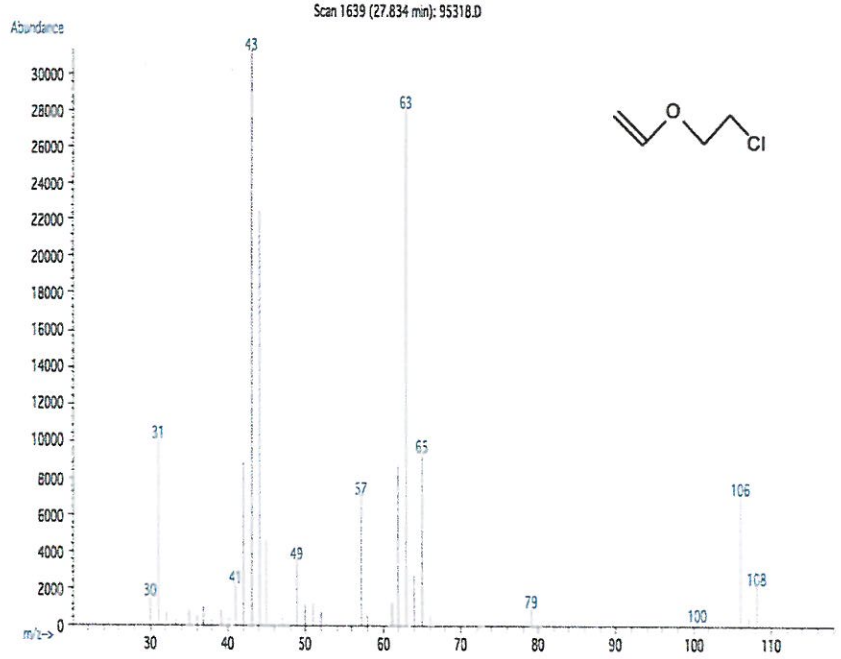
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 30.0 0.0003 Flask Uncertainty

Formulated By:	Benson Chan	121321 DATE
Reviewed By:	Pedro L. Rentas	121321 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.30320	0.30411	10030.2	40.7	110-75-8	N/A	orl-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 121321
Description: 2-Chloroethyl vinyl ether

Expiration Date: 121324
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

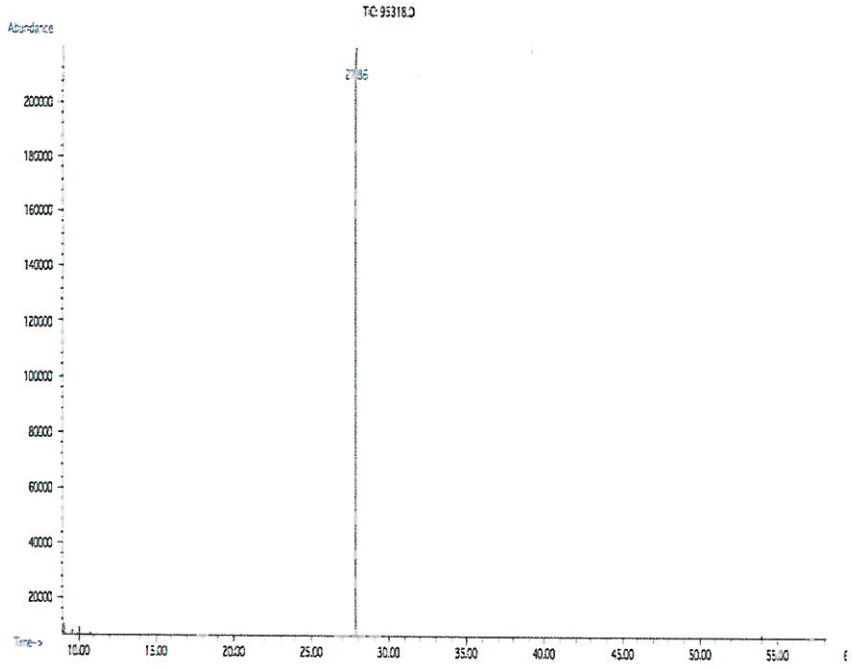
Solvent(s):	Lot#
Methanol	EA899-US

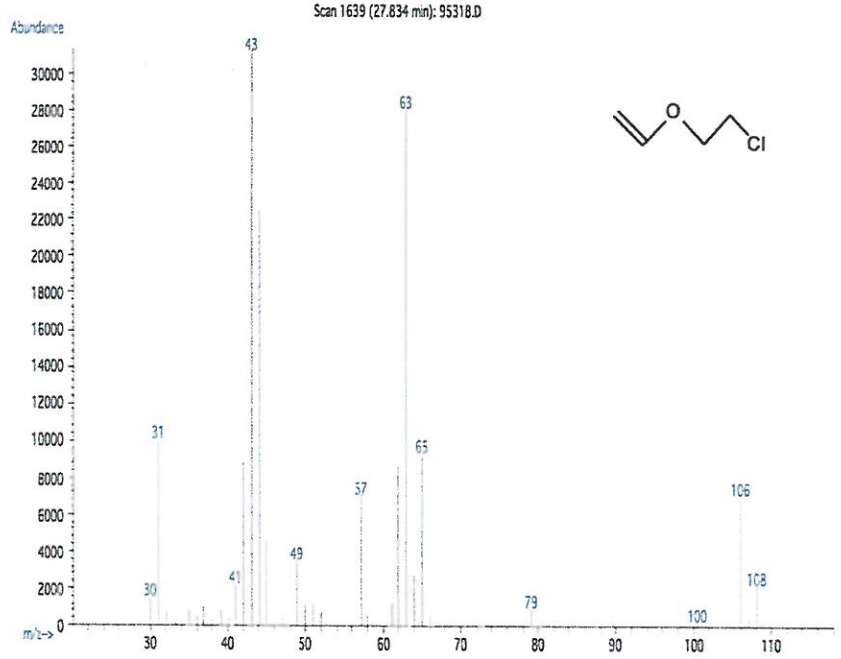
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 30.0 0.0003 Flask Uncertainty

Formulated By:	Benson Chan	121321 DATE
Reviewed By:	Pedro L. Rentas	121321 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.30320	0.30411	10030.2	40.7	110-75-8	N/A	orl-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0181905

Description : tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	tert-Butanol (TBA)		50,126.0 µg/mL	+/- 293.4988 µg/mL	Gravimetric
	CAS # 75-65-0	(Lot SHBM7694)		+/- 1,073.7654 µg/mL	Unstressed
	Purity 99%			+/- 1,104.9494 µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

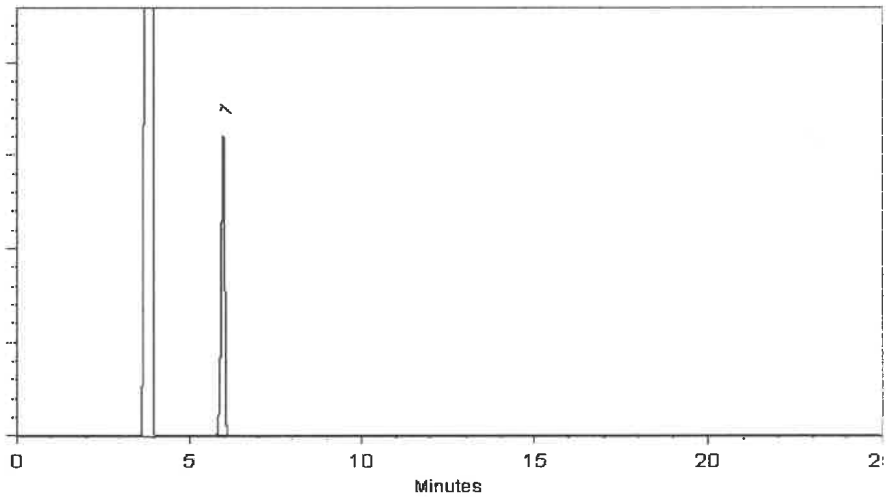
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 16-Feb-2022 **Balance:** B442140311

Marlina Cowan - Operations Tech I

Date Passed: 21-Feb-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

4 J

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0191703

Description : tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	tert-Butanol (TBA)	50,122.0 µg/mL	+/- 293.4753 µg/mL	Gravimetric
	CAS # 75-65-0 (Lot 101619K21F-1)		+/- 1,073.6797 µg/mL	Unstressed
	Purity 99%		+/- 1,104.8612 µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

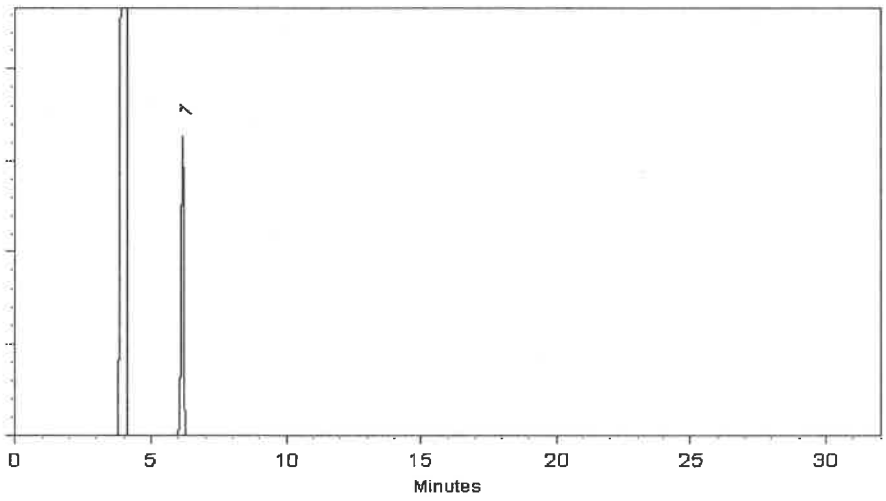
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I

Date Mixed: 15-Nov-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 17-Nov-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

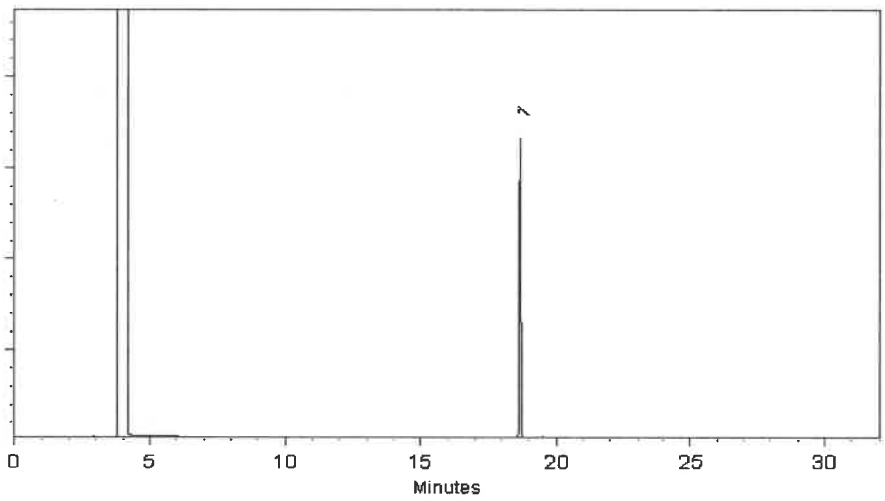
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I

Date Mixed: 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 21-Nov-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

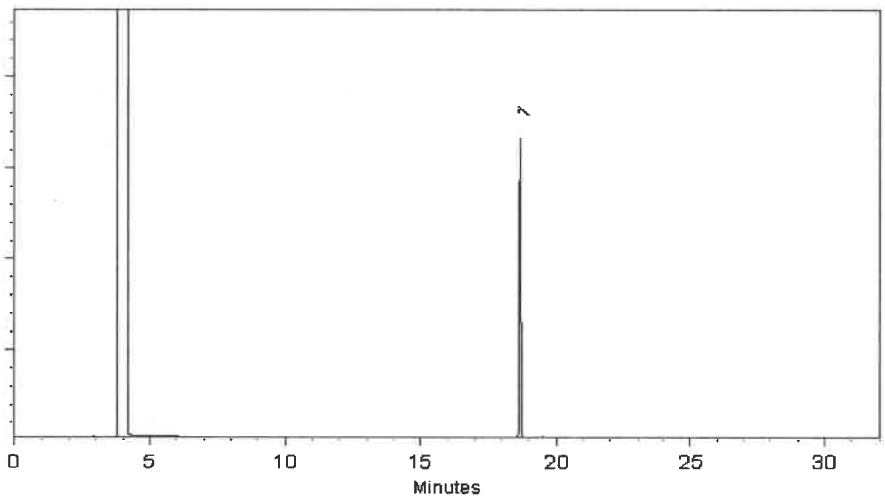
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Alicia Leathers - Operation Technician I

Date Mixed: 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 21-Nov-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

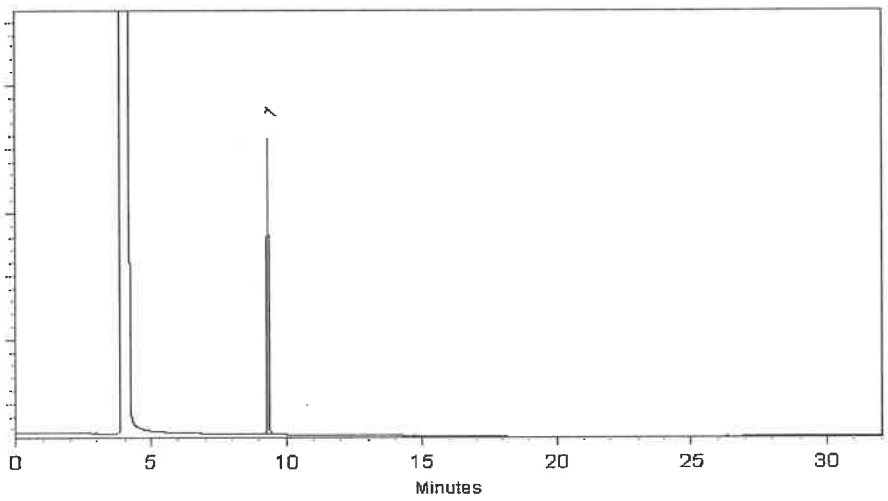
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

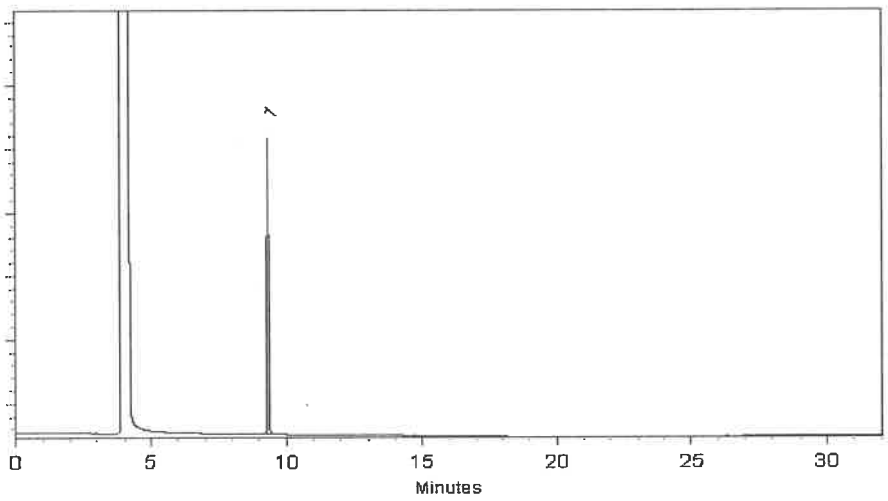
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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7

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0193887

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,006.5 µg/mL	+/- 173.0015
2	2-Butanone (MEK)	78-93-3	SHBN9536	99%	5,008.5 µg/mL	+/- 173.0706
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,000.3 µg/mL	+/- 172.7884
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,001.7 µg/mL	+/- 172.8345

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

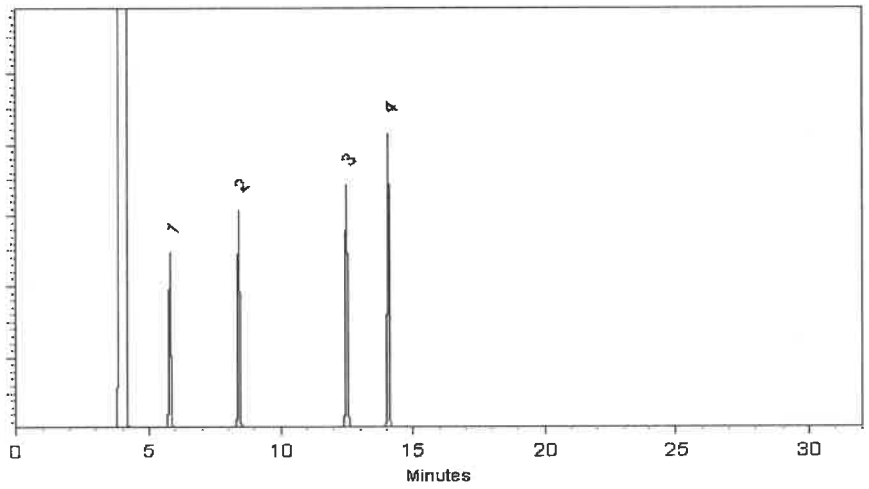
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey - Operations Technician I

Date Mixed: 24-Jan-2023 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 27-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0193887

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,006.5 µg/mL	+/- 173.0015
2	2-Butanone (MEK)	78-93-3	SHBN9536	99%	5,008.5 µg/mL	+/- 173.0706
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,000.3 µg/mL	+/- 172.7884
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,001.7 µg/mL	+/- 172.8345

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

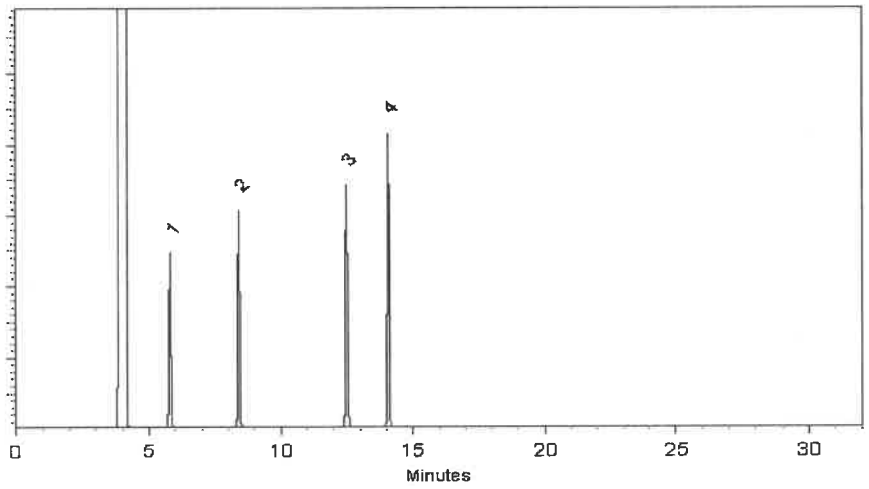
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Josh McCloskey - Operations Technician I

Date Mixed: 24-Jan-2023 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 27-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0194279

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,001.5 µg/mL	+/- 112.7231
2	Chloromethane (methyl chloride)	74-87-3	SHBK6571	99%	2,001.2 µg/mL	+/- 112.5863
3	Vinyl chloride	75-01-4	00015559	99%	2,001.4 µg/mL	+/- 112.6561
4	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,006.4 µg/mL	+/- 112.8262
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,001.9 µg/mL	+/- 112.5897
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	2,000.8 µg/mL	+/- 112.6473

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

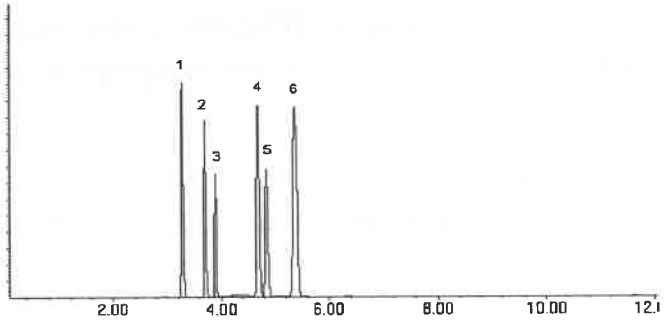
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



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Tom Suckar - Mix Technician

Date Mixed: 03-Feb-2023 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 07-Feb-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0194279

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,001.5 µg/mL	+/- 112.7231
2	Chloromethane (methyl chloride)	74-87-3	SHBK6571	99%	2,001.2 µg/mL	+/- 112.5863
3	Vinyl chloride	75-01-4	00015559	99%	2,001.4 µg/mL	+/- 112.6561
4	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,006.4 µg/mL	+/- 112.8262
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,001.9 µg/mL	+/- 112.5897
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	2,000.8 µg/mL	+/- 112.6473

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

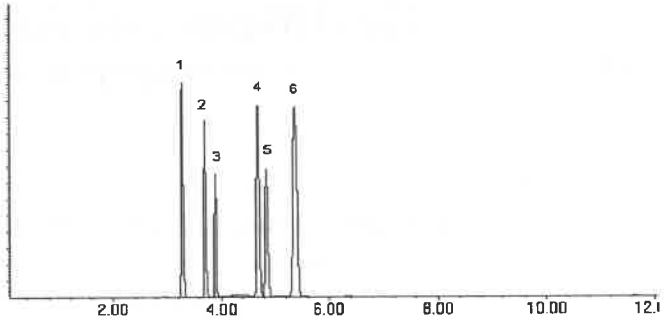
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



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Tom Suckar - Mix Technician

Date Mixed: 03-Feb-2023 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 07-Feb-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Purity Notes:

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- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0196865

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0197644

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2030 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,001.6 µg/mL	+/- 112.7159
2	Chloromethane (methyl chloride)	74-87-3	SHBM9611	99%	2,002.0 µg/mL	+/- 112.7840
3	Vinyl chloride	75-01-4	00015559	99%	2,002.2 µg/mL	+/- 112.6713
4	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,006.4 µg/mL	+/- 112.8861
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.9 µg/mL	+/- 112.5990
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	1,999.2 µg/mL	+/- 112.4861

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

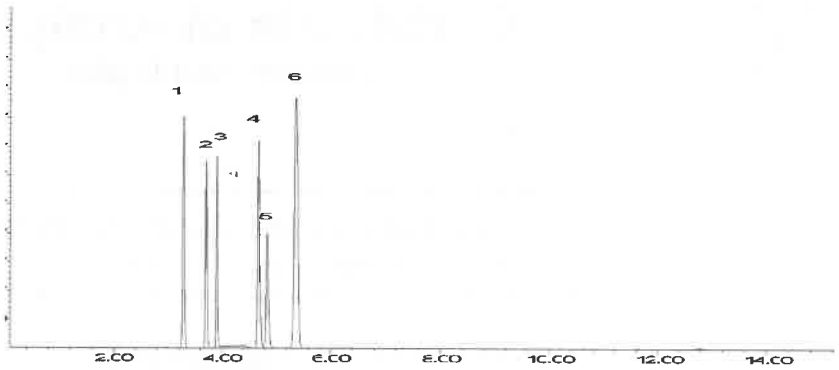
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 02-May-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-May-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0199224

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2024 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,015.0 µg/mL	+/- 69.6476
2	Vinyl acetate	108-05-4	RD220630	99%	2,014.3 µg/mL	+/- 69.6246
3	Ethyl acetate	141-78-6	SHBP9289	99%	2,012.7 µg/mL	+/- 69.5670
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,017.0 µg/mL	+/- 69.7168
5	Propyl acetate	109-60-4	KLOBM	99%	2,007.7 µg/mL	+/- 69.3942
6	Butyl acetate	123-86-4	SHBP6314	99%	2,014.3 µg/mL	+/- 69.6246
7	Amyl acetate	628-63-7	41325/1	97%	2,012.1 µg/mL	+/- 69.5475

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

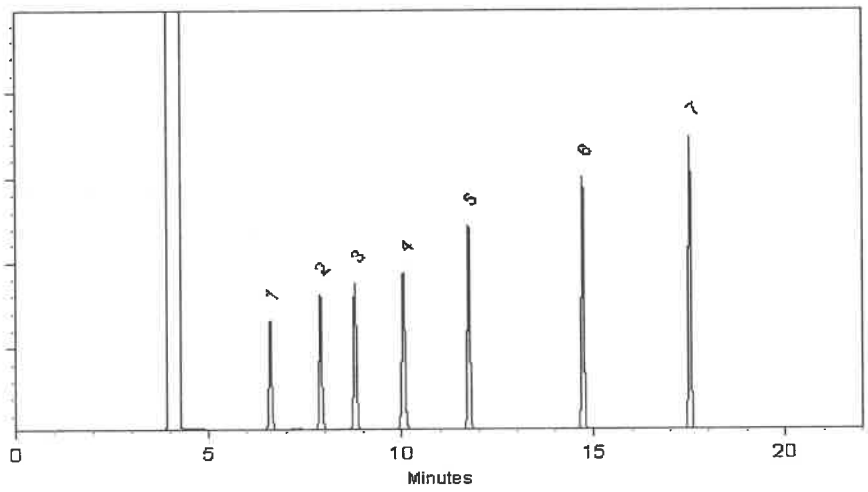
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 22-Jun-2023 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 26-Jun-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

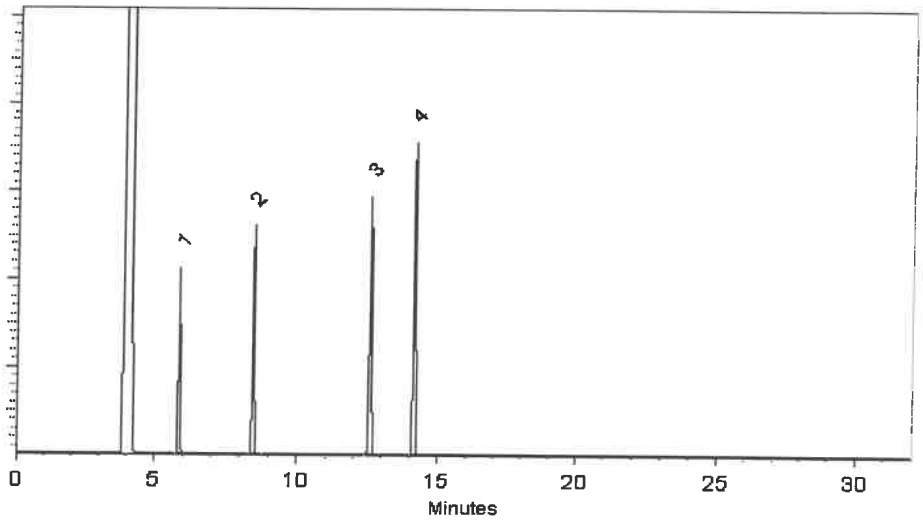
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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Catalog No. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

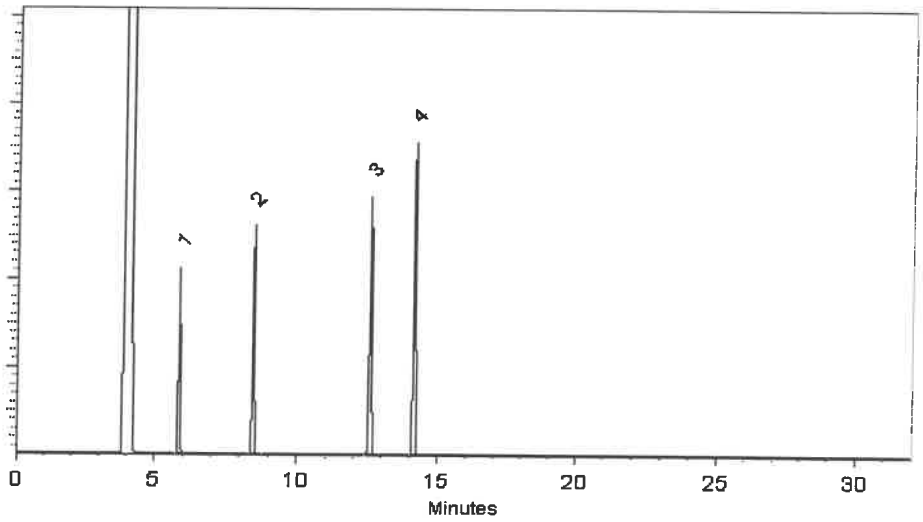
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Laith Clemente - Operations Technician I **Date Mixed:** 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC **Date Passed:** 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

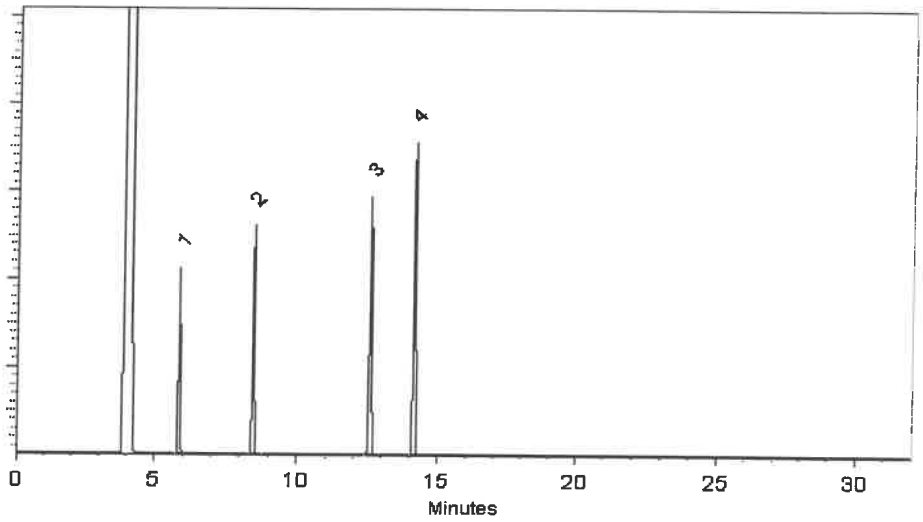
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-FL **Lot No.:** A0205177

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RP231030CTH	98%	8,047.8 µg/mL	+/- 278.1675

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

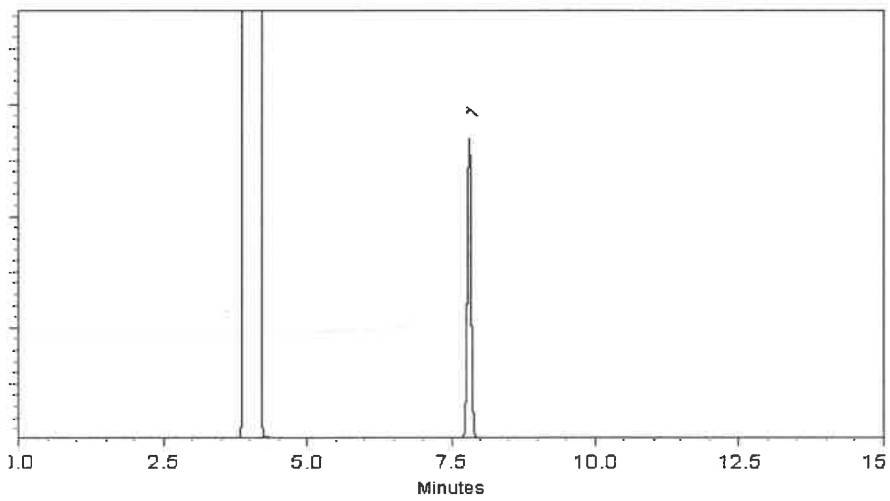
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 06-Dec-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Dec-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0205179

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RP231030CTH	98%	8,075.2 µg/mL	+/- 279.1159

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

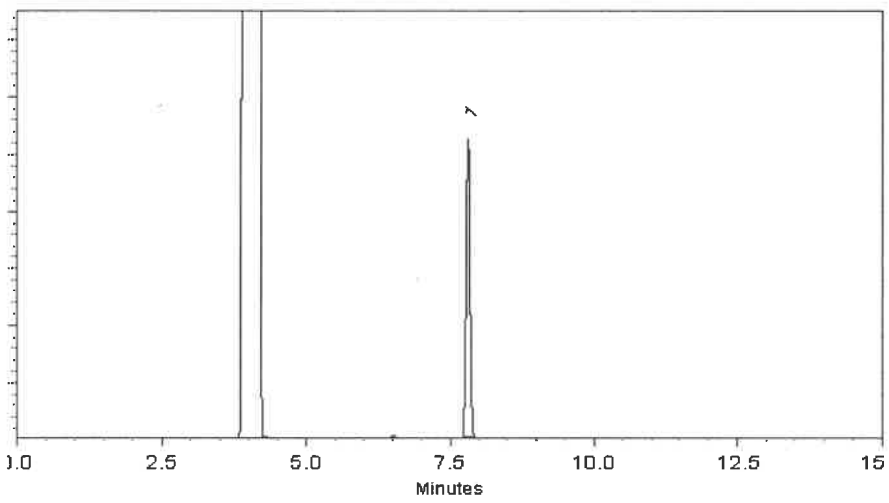
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Daniel Wasson - Operations Tech I **Date Mixed:** 06-Dec-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 11-Dec-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Catalog No. : 555408-SL **Lot No.:** A0205179

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RP231030CTH	98%	8,075.2 µg/mL	+/- 279.1159

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

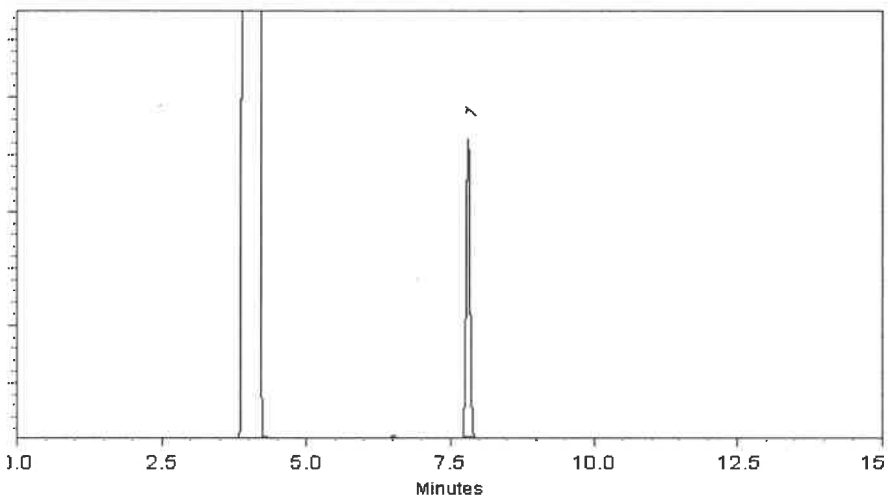
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Daniel Wasson - Operations Tech I **Date Mixed:** 06-Dec-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 11-Dec-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

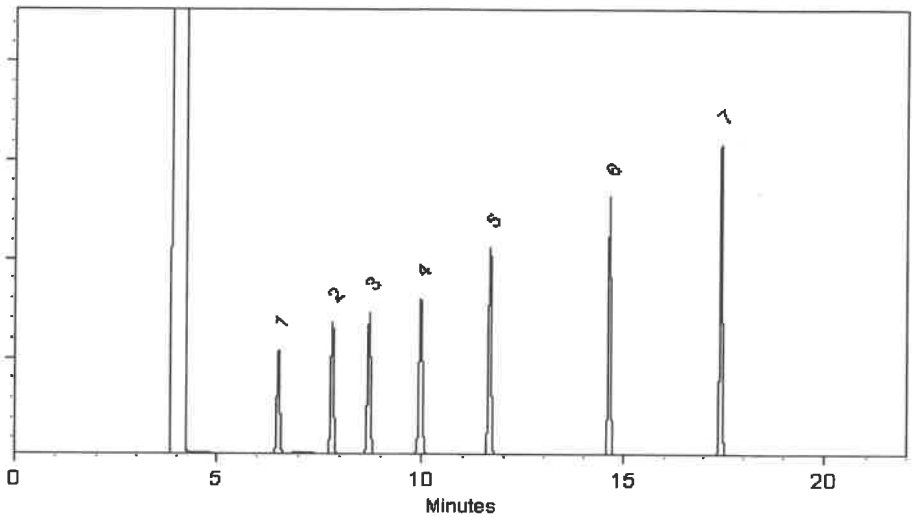
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

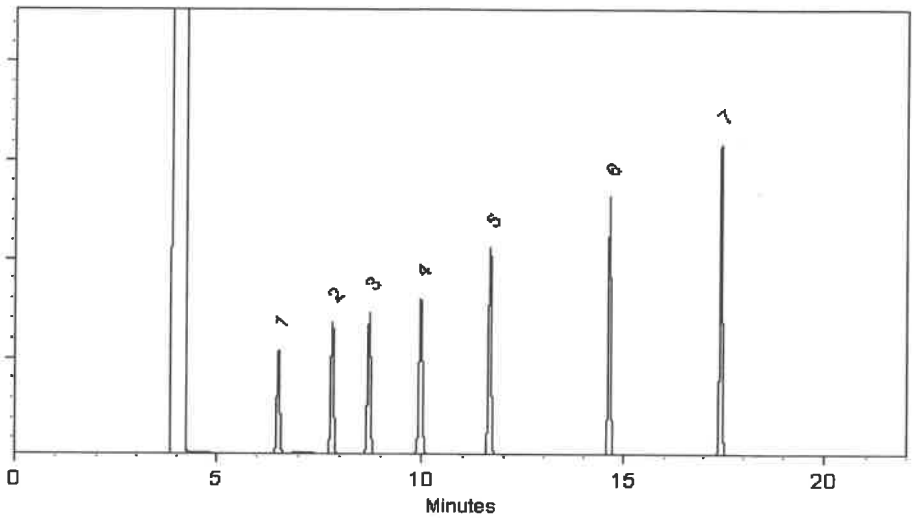
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

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$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
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3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

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$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 70046
Lot Number: 070122
Description: Bromochloromethane

Solvent: Methanol **Lot#** EC592-US

Expiration Date: 070127
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

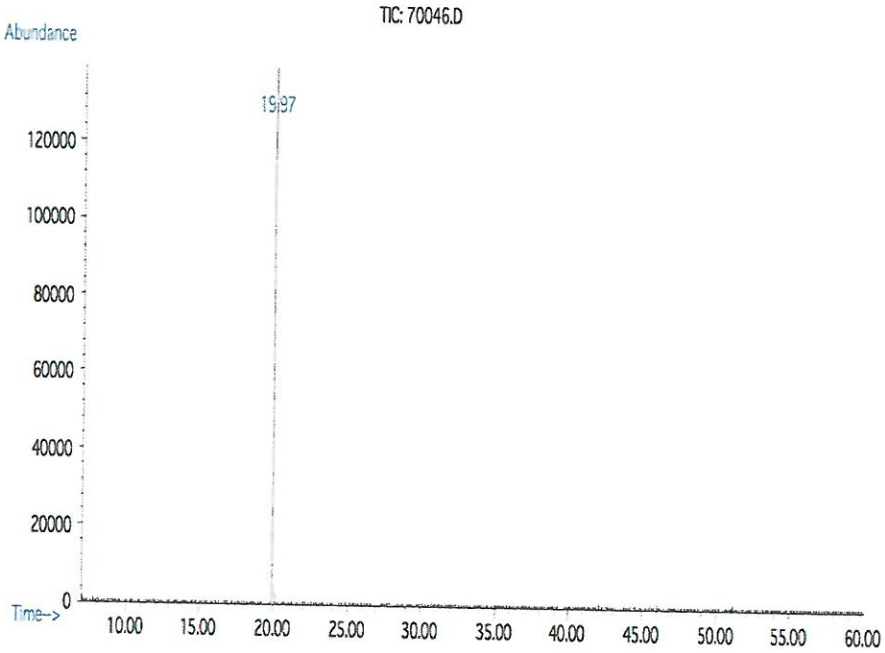
Weight(s) shown below were combined and diluted to (mL): 25.0

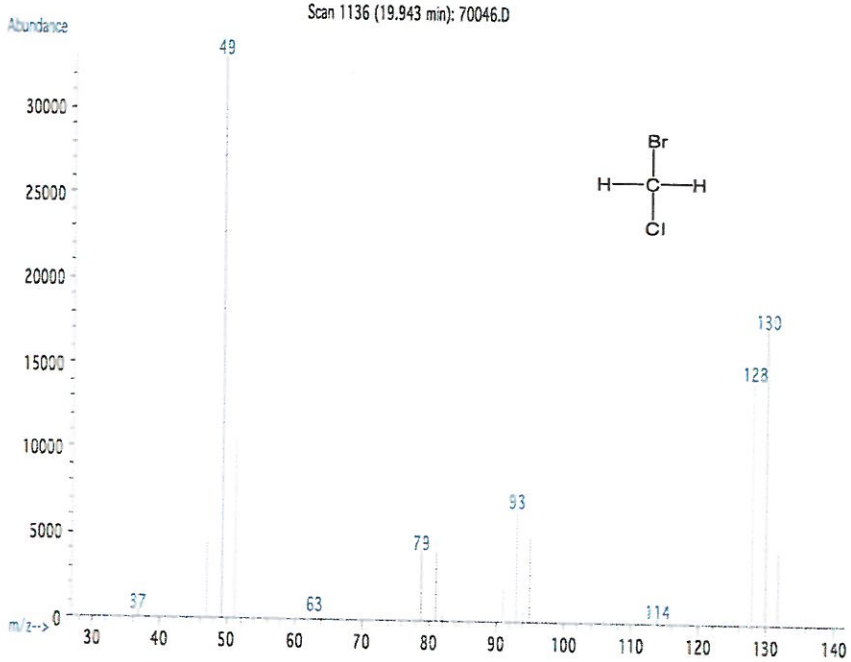
5E-05 Balance Uncertainty
0.0002 Flask Uncertainty

Gabriel Helland		070122
Formulated By:	Gabriel Helland	DATE
Pedro Rentas		070122
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Bromochloromethane	46	AY01	1000	99	0.2	0.02530	0.02540	1004.1	5.7	74-97-5	200 ppm (1050mg/m3/8H)	orl-rat 5000mg/kg

Method GC6MSD-1.M: Column : (60m X 0.25mm X 1.5 µm) Temp 1 = 35°C (10min.), Temp 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector B= 200°C, Detector B = 220°C. Analyst: Candice Warren





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

Methanol
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Country of Origin: USA
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James T Ethier
Jamie Ethier
Vice President Global Quality

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. P4845(1)
QUOTE NO.
COC Number 2042602

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: EA Engineering
ADDRESS:
CITY STATE: ZIP:
ATTENTION: See PAGE #1
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Former Scotia Navy Depot
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ❑ Level 1 (Results Only)
- ❑ Level 2 (Results + QC)
- ❑ Level 3 (Results + QC + Raw Data)
- ❑ EDD FORMAT
- ❑ Level 4 (QC + Full Raw Data)
- ❑ NJ Reduced ❑ US EPA CLP
- ❑ NYS ASP A ❑ NYS ASP B
- ❑ Other

ANALYSIS

VOC 8260D

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES A	1	2	3	4	5	6	7	8	9	COMMENTS
1.	FSND-MW-27-20241112	GW		X	11/12/24	0935	2	X										
2.	FSND-MW-B-3-20241112					1020												
3.	FSND-MW-36-20241112					1245												
4.	FSND-MW-22R-20241112					1150												
5.	FSND-MW-23-20241112					0915	6											split w/ MS/MSD
6.	FSND-MW-35-20241112					1407	2											
7.	FSND-RB-1-20241111				11/11/24	1600	2											
8.	FSND-RB-2-20241112				11/12/24	1550												
9.	FSND-MW-33-20241112					1518												
10.	FSND-MW-31-20241112					1605												

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

	DATE/TIME	RECEIVED BY
1. RELINQUISHED BY SAMPLER:	11/13/24 800	1.
2. RELINQUISHED BY SAMPLER: FedEx	DATE/TIME: 11-14-24 0945	2. RECEIVED BY:
3. RELINQUISHED BY SAMPLER:	DATE/TIME:	3. RECEIVED BY:

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 2-6C °C
Comments:

Page 2 of 4

CLIENT: ❑ Hand Delivered ❑ Other
CHEMTECH: ❑ Picked Up ❑ Field Sampling

Shipment Complete ❑ YES ❑ NO

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WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. P4845(2)
QUOTE NO.
COC Number 2042601

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: EA Engineering
ADDRESS: 333 West Washyton St
CITY Syracuse STATE: NY ZIP: 13202
ATTENTION: JIM HAYWARD
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Former Scotia Navy Depot
PROJECT NO.: LOCATION: Scotia, NY
PROJECT MANAGER: Jim Hayward
e-mail: jhayward@eaest.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: northeastap@eaest.com PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: STD TAT DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☒ Level 4 (QC + Full Raw Data)
- ☐ Level 2 (Results + QC)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other _____
- ☐ EDD FORMAT _____

ANALYSIS

1 VOC 8260D 2 3 4 5 6 7 8 9

PRESERVATIVES

A 1 2 3 4 5 6 7 8 9

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	A 1	2	3	4	5	6	7	8	9	COMMENTS
1.	FSND-MW-9-20241111	GW		X	11/11/24	1505	3	X									
2.	FSND-MW-5-20241111					1355	2										
3.	FSND-MW-12R-20241111					1255											
4.	FSND-MW-DUP-01-20241111					—											
5.	FSND-MW-17-20241111					1440											
6.	FSND-FD-2-20241111					—											
7.	FSND-GEP-2-20241111					1340											
8.	FSND-MW-14-20241111					1240											
9.	FSND-MW-13-20241112				11/12/24	1251											
10.	FSND-MW-11R-20241112				11/12/24	1141											

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	11/13/24 1500	1.
2. FedEx	11-14-24 0945	2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.6°C °C
Comments:

Page 1 of 4

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

From: Cummings, Emily <ecummings@eaest.com>
Sent: Friday, November 22, 2024 2:41 PM
Subject: RE: Extra Samples Received - 11/14 - Chemtech/Alliance

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Secured by Check Point

Hi Kiran,

Thanks for letting us know, your corrections as detailed in your email are correct.

Thanks,

Emily Cummings
EA Engineering, P.C. and Its Affiliate EA Science and Technology

From: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Sent: Friday, November 22, 2024 1:08 PM
To: Hayward, Jim <jhayward@eaest.com>; Cummings, Emily <ecummings@eaest.com>
Cc: Wright, Michael <mwright@eaest.com>
Subject: Re: Extra Samples Received - 11/14 - Chemtech/Alliance

Some people who received this message don't often get email from kiran.saleem@alliancetg.com. Learn why this is important

Good Afternoon Jim,

I’ve been contacted by the QC/QA Team regarding the COC. I've attached the document and highlighted two samples where the Client IDs appear to be incorrect. Could you please confirm the following?

1. On COC its "FSND-MW-EVAL-04D-2024113" , it should be FSND-MW-EVAL-04D-20241113.
2. On COC its "FSND-MW-EVAL-01S-2021113", it should be FSND-MW-EVAL-01S-20241113.

Thank you.

- KEEP IN MIND WE WILL BE CLOSED 11/28/2024 AND 11/29/2024

Regards,

Kiran Saleem
Project Manager
Alliance Technical Group
Main: 908-789-8900
Direct: 908-728-3148
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Hayward, Jim <jhayward@eaest.com>
Sent: Thursday, November 14, 2024 1:34 PM
To: Kiran Saleem <Kiran.Saleem@alliancetg.com>; Cummings, Emily <ecummings@eaest.com>
Cc: Wright, Michael <mwright@eaest.com>
Subject: RE: Extra Samples Received - 11/14 - Chemtech/Alliance

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

You're welcome – and thanks everyone!

Jim

James C. Hayward, P.E.
Senior Engineer / Project Manager
EA Engineering, P.C. and Its Affiliate
EA Science and Technology
269 West Jefferson Street

Syracuse, NY 13202
315.431.4610 - Phone (ext. 1857)
315.565.6555 - Direct
315.345.0063 - Cell
mailto: jhayward@eaest.com

From: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Sent: Thursday, November 14, 2024 1:21 PM
To: Cummings, Emily <ecummings@eaest.com>; Hayward, Jim <jhayward@eaest.com>
Cc: Wright, Michael <mwright@eaest.com>
Subject: Re: Extra Samples Received - 11/14 - Chemtech/Alliance

> Some people who received this message don't often get email from kiran.saleem@alliancetg.com. Learn why this is important

Hi Emily,

Thank you for the clarification; everything is clear now. Once I update the information in our system, you will receive a login summary. I recommend reviewing it to ensure that all details are correctly logged.

Thanks Jim.

NOTE: Chemtech is now an Alliance Technical Group company. Please add AllianceTG.com to your safe senders list to ensure receipt of important emails.

Regards,

Kiran Saleem
Project Manager
Alliance Technical Group
Main: 908-789-8900
Direct: 908-728-3148
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Cummings, Emily <ecummings@eaest.com>
Sent: Thursday, November 14, 2024 12:39 PM

To: Hayward, Jim <jhayward@eaest.com>; Kiran Saleem <Kiran.Saleem@alliancetg.com>
Cc: Wright, Michael <mwright@eaest.com>
Subject: Re: Extra Samples Received - 11/14 - Chemtech/Alliance

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Secured by Check Point

Hey Kiran,

Apologies, we missed the two samples on the VOCs the information is as follows:

ID: FSND-MW-18-20241112
Date: 11/12/24
Time: 1520
Analysis: VOC 8260D

ID: FSND-MW-20-20241112
Date: 11/12/24
Time: 1430
Analysis: VOC 8260D

For clarification, all the MNA sets were split and all the VOC samples were collated in one cooler with the COC.

Get Outlook for Android

From: Hayward, Jim <jhayward@eaest.com>
Sent: Thursday, November 14, 2024 12:31:32 PM
To: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Cc: Cummings, Emily <ecummings@eaest.com>; Wright, Michael <mwright@eaest.com>
Subject: RE: Extra Samples Received - 11/14 - Chemtech/Alliance

Hello Kiran – thank you for letting me know, I'm reaching out to our field crew for clarification and have copied them here.

Will get back to you shortly, thanks again.

Jim

James C. Hayward, P.E.
Senior Engineer / Project Manager
EA Engineering, P.C. and Its Affiliate
EA Science and Technology
269 West Jefferson Street
Syracuse, NY 13202
315.431.4610 - Phone (ext. 1857)
315.565.6555 - Direct
315.345.0063 - Cell
mailto: jhayward@eaest.com

From: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Sent: Thursday, November 14, 2024 12:27 PM
To: Hayward, Jim <jhayward@eaest.com>
Subject: Re: Extra Samples Received - 11/14 - Chemtech/Alliance

You don't often get email from kiran.saleem@alliancetg.com. Learn why this is important

Hi Again,

I have been informed by sample management that there is another issue with the samples. So, for the attached COC above, it states 8 bottles for each sample, but we received 6 bottles each, there are 2 VOC bottles missing. Similarly, for sample FSND-MW-EVAL-04D-2024113, COC states 24 bottles but we only received 18 for this sample.

Please clarify the confusion here. Will really appreciate a prompt response.

Thanks.

NOTE: Chemtech is now an Alliance Technical Group company. Please add AllianceTG.com to your safe senders list to ensure receipt of important emails.

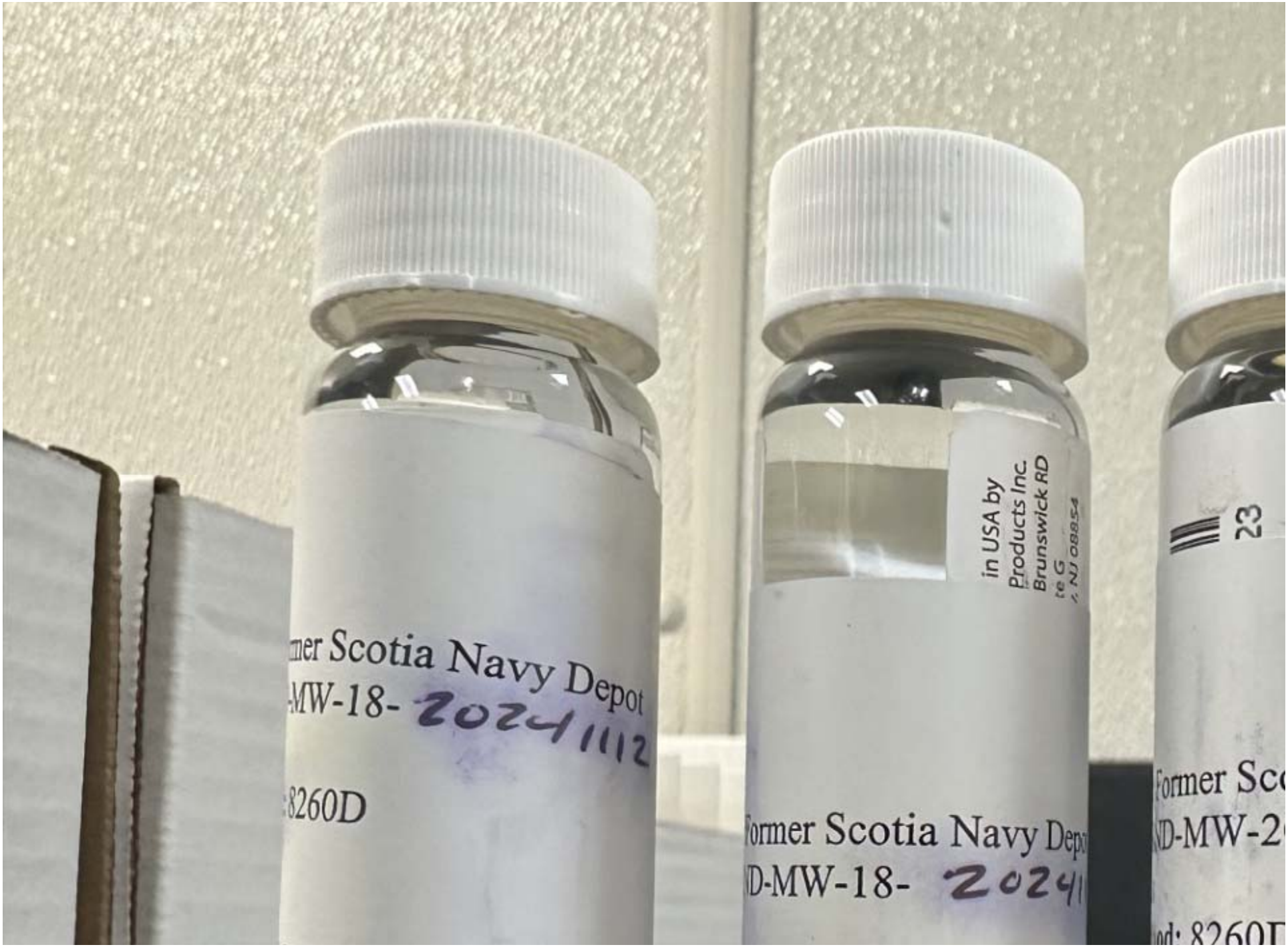
Regards,

Kiran Saleem
Project Manager
Alliance Technical Group
Main: 908-789-8900
Direct: 908-728-3148
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Sent: Thursday, November 14, 2024 11:43 AM
To: jhayward@EAEST.com <jhayward@EAEST.com>
Subject: Extra Samples Received - 11/14 - Chemtech/Alliance

Hi Jim,

I am reaching out to inform you that we have received 4 extra samples, which are not mentioned on the COC. Attaching an image of the samples and copy of COCs for your review. Please let us know what has to be done with these.


rmer Scotia Navy Depot
-MW-18- 20241112
:8260D
in USA by
Products Inc.
Brunswick RD
Former Scotia Navy Depo
ND-MW-18- 20241
23
Former Sc
ND-MW-2

Thanks.

NOTE: Chemtech is now an Alliance Technical Group company. Please add AllianceTG.com to your safe senders list to ensure receipt of important emails.

Regards,

Kiran Saleem
Project Manager
Alliance Technical Group
Main: 908-789-8900
Direct: 908-728-3148
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4845 EAEN05
Client Name : EA Engineering Science &
Client Contact : Jim Hayward
Invoice Name : EA Engineering Science &
Invoice Contact : Jim Hayward

Order Date : 11/14/2024 10:45:00 AM
Project Name : Scotia, NY - Annual Testing
Receive DateTime : 11/14/2024 9:45:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : NYSDEC EDD V-4
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4845-01	FSND-MW-27-20241112	Water	11/12/2024	09:35					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4845-02	FSND-MW-B-3-20241112	Water	11/12/2024	10:20					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4845-03	FSND-MW-36-20241112	Water	11/12/2024	12:45					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4845-04	FSND-MW-22R-20241112	Water	11/12/2024	11:50					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4845-05	FSND-MW-23-20241112	Water	11/12/2024	09:15					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4845-06	P4845-05MS	Water	11/12/2024	09:15					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4845-07	P4845-05MSD	Water	11/12/2024	09:15					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4845-08	FSND-MW-35-20241112	Water	11/12/2024	14:07					

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4845 EAEN05
Client Name : EA Engineering Science &
Client Contact : Jim Hayward
Invoice Name : EA Engineering Science &
Invoice Contact : Jim Hayward

Order Date : 11/14/2024 10:45:00 AM
Project Name : Scotia, NY - Annual Testing
Receive DateTime : 11/14/2024 9:45:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : NYSDEC EDD V-4
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
P4845-09	FSND-RB-1-20241111	Water	11/~~12~~11/2024	16:00					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
P4845-10	FSND-RB-2-20241112	Water	11/12/2024	15:50					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
P4845-11	FSND-MW-33-20241112	Water	11/12/2024	15:18					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
P4845-12	FSND-MW-31-20241112	Water	11/12/2024	16:05					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
P4845-13	FSND-MW-9-20241111	Water	11/11/2024	15:05					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
P4845-14	FSND-MW-5-20241111	Water	11/11/2024	13:55					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
P4845-15	FSND-MW-12R-20241111	Water	11/11/2024	12:55					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4845 EAEN05
Client Name : EA Engineering Science &
Client Contact : Jim Hayward
Invoice Name : EA Engineering Science &
Invoice Contact : Jim Hayward

Order Date : 11/14/2024 10:45:00 AM
Project Name : Scotia, NY - Annual Testing
Receive DateTime : 11/14/2024 9:45:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : NYSDEC EDD V-4
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4845-16	FSND-MW-DUP-01-20241111	Water	11/11/2024	12:55					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4845-17	FSND-MW-17-20241111	Water	11/11/2024	14:40					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4845-18	FSND-FD-2-20241111	Water	11/11/2024	14:40					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4845-19	FSND-GEP-2-20241111	Water	11/11/2024	13:40					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4845-20	FSND-MW-14-20241111	Water	11/11/2024	12:40					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4845-21	FSND-MW-13-20241112	Water	11/12/2024	12:51					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4845-22	FSND-MW-11R-20241112	Water	11/12/2024	11:41					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4845-23	FSND-MW-18-20241112	Water	11/12/2024	15:20					

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4845 EAEN05
Client Name : EA Engineering Science &
Client Contact : Jim Hayward
Invoice Name : EA Engineering Science &
Invoice Contact : Jim Hayward

Order Date : 11/14/2024 10:45:00 AM
Project Name : Scotia, NY - Annual Testing
Receive DateTime : 11/14/2024 9:45:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : NYSDEC EDD V-4
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
P4845-24	FSND-MW-20-20241112	Water	11/12/2024	14:30					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	

Relinguished By :
Date / Time : 11/14/24 1330

Received By :
Date / Time : 11-14-24 13:30
Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	187429	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	309230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	282514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	142702	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	258269	95.404	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 190.800%#			
35) Dibromofluoromethane	8.165	113	206417	98.617	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 197.240%#			
50) Toluene-d8	10.565	98	783727	101.646	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 203.300%#			
62) 4-Bromofluorobenzene	12.847	95	297647	103.292	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 206.580%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	214094	99.364	ug/l	93
3) Chloromethane	2.359	50	246492	100.015	ug/l	97
4) Vinyl Chloride	2.512	62	229760	99.144	ug/l	99
5) Bromomethane	2.901	94	109436	89.128	ug/l	97
6) Chloroethane	3.071	64	141883	100.310	ug/l	98
7) Trichlorofluoromethane	3.465	101	363937	95.335	ug/l	100
8) Diethyl Ether	3.953	74	131399	97.575	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.347	101	212244	98.394	ug/l	99
10) Methyl Iodide	4.577	142	272990	94.692	ug/l	96
11) Tert butyl alcohol	5.547	59	153595	429.840	ug/l	100
12) 1,1-Dichloroethene	4.324	96	205332	96.200	ug/l	98
13) Acrolein	4.171	56	161607	453.545	ug/l	100
14) Allyl chloride	5.012	41	350014	101.116	ug/l	92
15) Acrylonitrile	5.712	53	494070	477.613	ug/l	100
16) Acetone	4.424	43	390888	502.753	ug/l	98
17) Carbon Disulfide	4.700	76	601202	91.464	ug/l	99
18) Methyl Acetate	5.018	43	273870	99.857	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	664800	101.618	ug/l	99
20) Methylene Chloride	5.271	84	226231	95.017	ug/l	90
21) trans-1,2-Dichloroethene	5.777	96	211649	96.569	ug/l	93
22) Diisopropyl ether	6.665	45	696527	101.268	ug/l	99
23) Vinyl Acetate	6.600	43	2441301	514.697	ug/l	99
24) 1,1-Dichloroethane	6.559	63	399999	96.866	ug/l	98
25) 2-Butanone	7.483	43	591863	468.634	ug/l	98
26) 2,2-Dichloropropane	7.483	77	362927	100.979	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	252932	98.835	ug/l	96
28) Bromochloromethane	7.812	49	180881	109.944	ug/l	96
29) Tetrahydrofuran	7.835	42	415033	495.347	ug/l	97
30) Chloroform	7.959	83	412084	98.045	ug/l	100
31) Cyclohexane	8.253	56	358350	95.881	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	374940	98.012	ug/l	98
36) 1,1-Dichloropropene	8.365	75	294131	101.323	ug/l	99
37) Ethyl Acetate	7.559	43	262200	99.553	ug/l	98
38) Carbon Tetrachloride	8.359	117	327651	100.981	ug/l	98
39) Methylcyclohexane	9.600	83	337677	114.344	ug/l	97
40) Benzene	8.600	78	924038	99.119	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	145041	102.406 ug/l	95
42) 1,2-Dichloroethane	8.665	62	301932	100.005 ug/l	100
43) Isopropyl Acetate	8.688	43	485962	100.857 ug/l	99
44) Trichloroethene	9.347	130	209438	97.413 ug/l	98
45) 1,2-Dichloropropane	9.618	63	220258	100.718 ug/l	95
46) Dibromomethane	9.706	93	151661	98.281 ug/l	98
47) Bromodichloromethane	9.888	83	326466	100.364 ug/l #	96
48) Methyl methacrylate	9.677	41	219838	107.249 ug/l	98
49) 1,4-Dioxane	9.694	88	76189	2097.505 ug/l #	80
51) 4-Methyl-2-Pentanone	10.447	43	1312148	522.607 ug/l	99
52) Toluene	10.629	92	570832	104.696 ug/l	100
53) t-1,3-Dichloropropene	10.835	75	341196	101.334 ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	366358	102.804 ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	207689	101.124 ug/l	97
56) Ethyl methacrylate	10.871	69	340367	114.573 ug/l	97
57) 1,3-Dichloropropane	11.165	76	357131	101.320 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	849817	611.330 ug/l	98
59) 2-Hexanone	11.194	43	971064	531.346 ug/l	97
60) Dibromochloromethane	11.359	129	249733	106.691 ug/l	99
61) 1,2-Dibromoethane	11.471	107	210043	99.870 ug/l	100
64) Tetrachloroethene	11.100	164	184478	98.169 ug/l	96
65) Chlorobenzene	11.888	112	603595	95.500 ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	212055	96.458 ug/l	99
67) Ethyl Benzene	11.965	91	1106035	104.837 ug/l	99
68) m/p-Xylenes	12.070	106	832448	208.419 ug/l	99
69) o-Xylene	12.400	106	397449	106.372 ug/l	100
70) Styrene	12.412	104	691175	106.042 ug/l	98
71) Bromoform	12.582	173	162189	98.044 ug/l #	97
73) Isopropylbenzene	12.694	105	1015352	101.533 ug/l	100
74) N-amyl acetate	12.494	43	441232	103.666 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	300162	89.924 ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	394250	140.005 ug/l	61
77) Bromobenzene	12.982	156	245558	91.341 ug/l	94
78) n-propylbenzene	13.035	91	1208185	103.100 ug/l	98
79) 2-Chlorotoluene	13.123	91	736738	96.217 ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	866736	104.573 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	115847	96.347 ug/l	98
82) 4-Chlorotoluene	13.217	91	761196	94.462 ug/l	99
83) tert-Butylbenzene	13.435	119	746926	108.888 ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	899374	105.136 ug/l	99
85) sec-Butylbenzene	13.617	105	1027413	106.032 ug/l	99
86) p-Isopropyltoluene	13.729	119	877717	110.451 ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	468620	89.320 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	469714	100.067 ug/l	98
89) n-Butylbenzene	14.053	91	778487	104.727 ug/l	100
90) Hexachloroethane	14.335	117	165030	93.123 ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	456925	90.631 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	58247	86.136 ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	243087	88.091 ug/l	99
94) Hexachlorobutadiene	15.500	225	102558	84.631 ug/l	99
95) Naphthalene	15.641	128	792903	95.997 ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	237515	88.667 ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

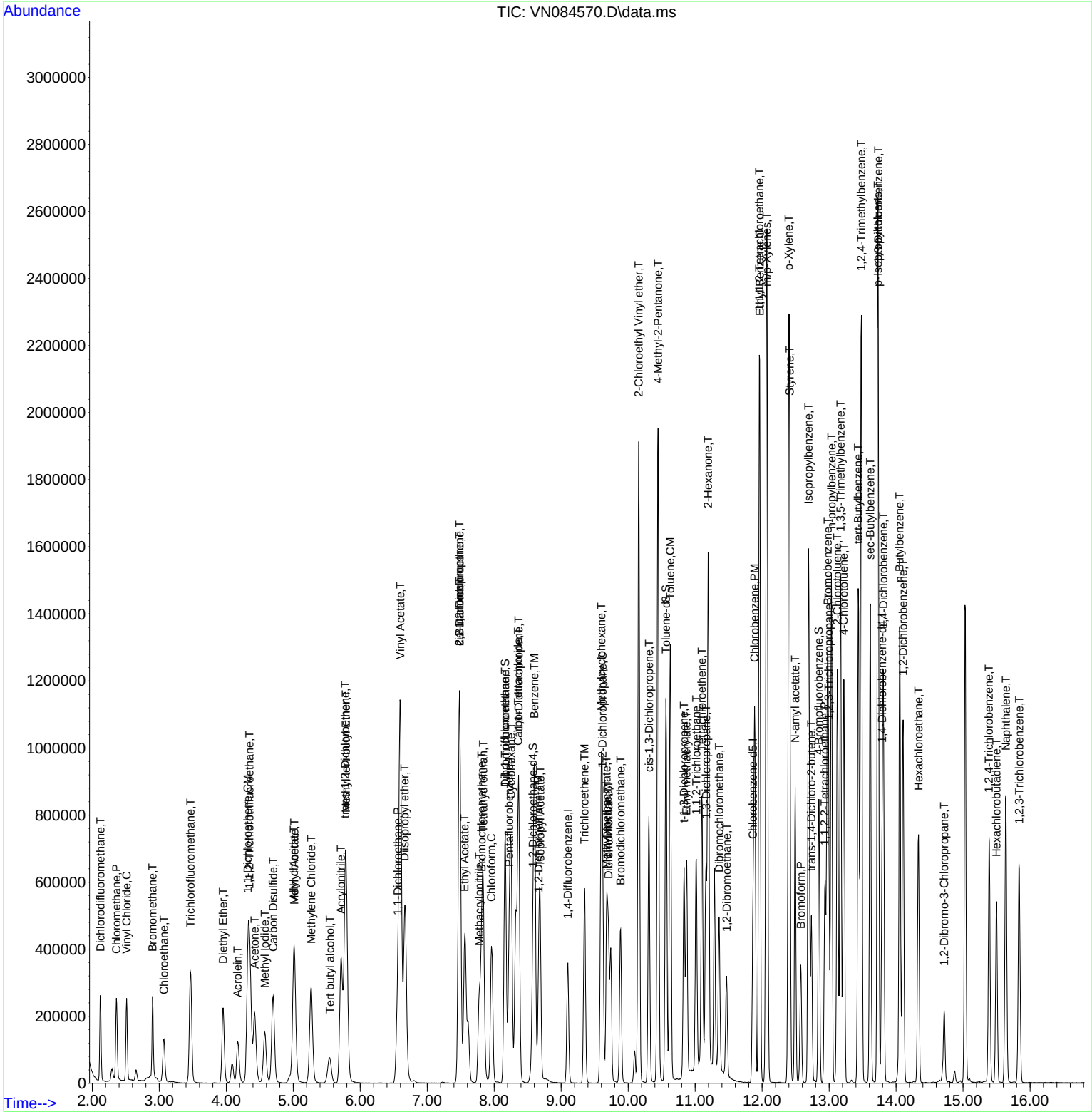
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

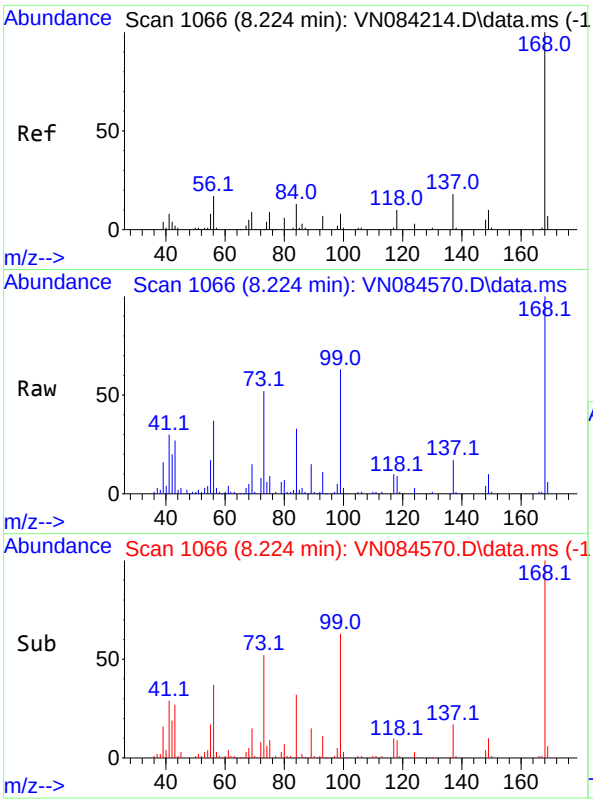
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration



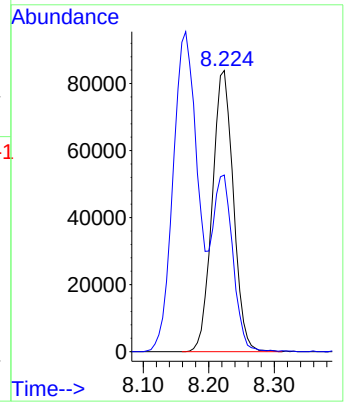


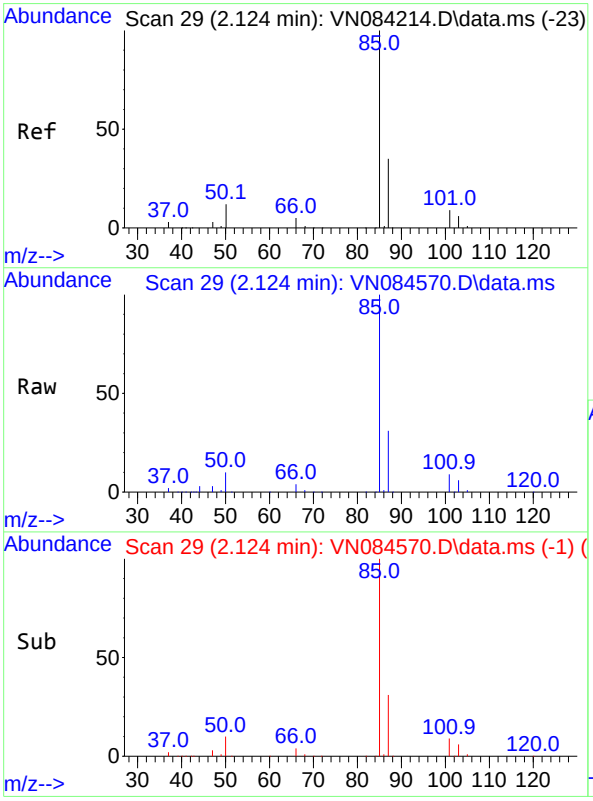
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 187429

Ion	Ratio	Lower	Upper
168	100		
99	62.5	54.2	81.2

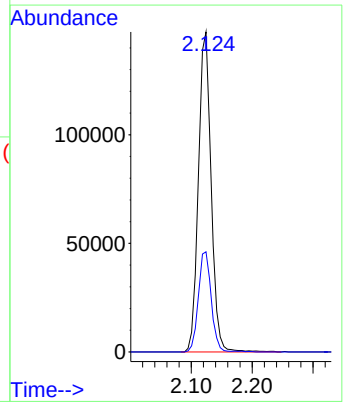


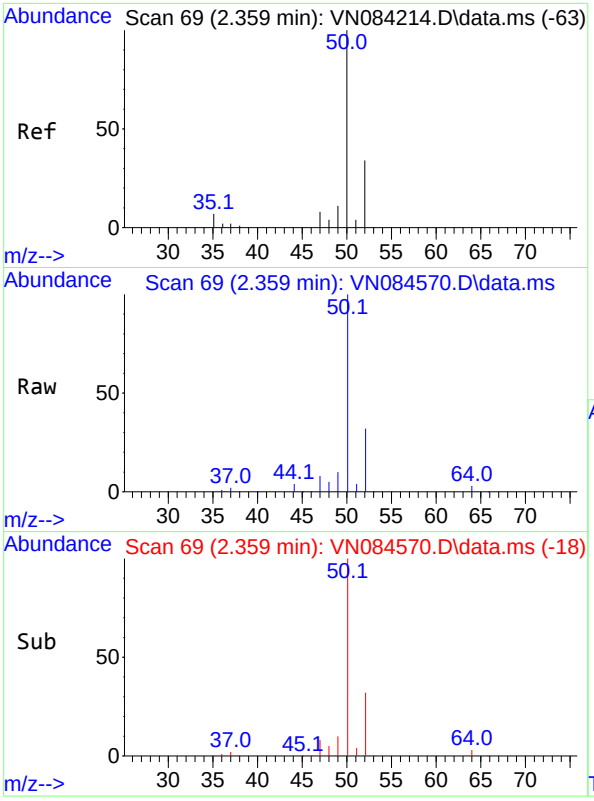


#2
Dichlorodifluoromethane
Concen: 99.364 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 85 Resp: 214094

Ion	Ratio	Lower	Upper
85	100		
87	31.3	17.6	52.9



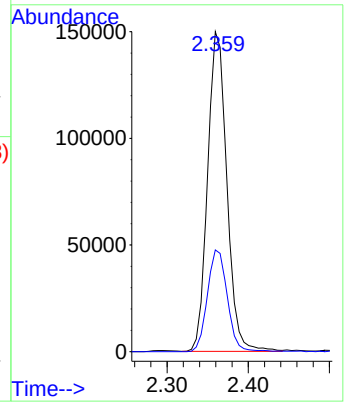


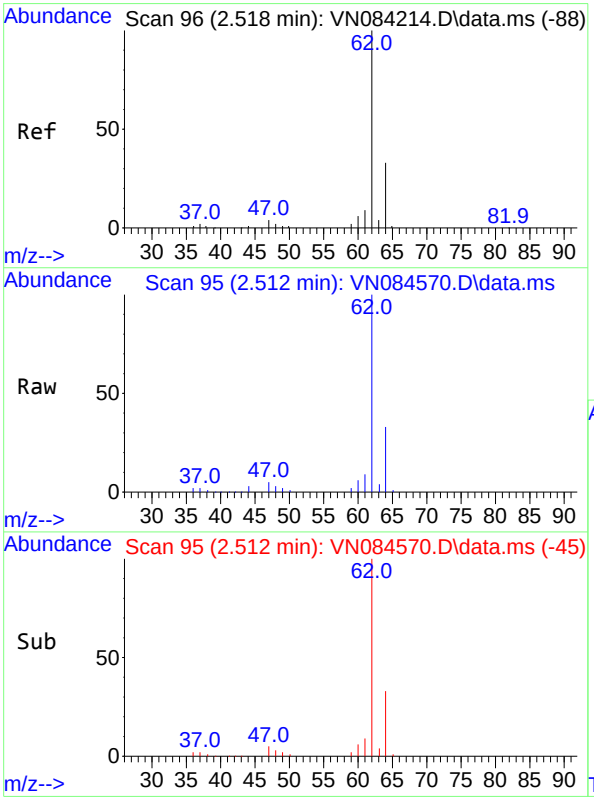
#3
Chloromethane
Concen: 100.015 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 246492

Ion	Ratio	Lower	Upper
50	100		
52	31.8	26.8	40.2

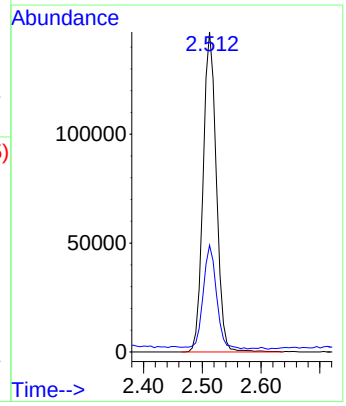


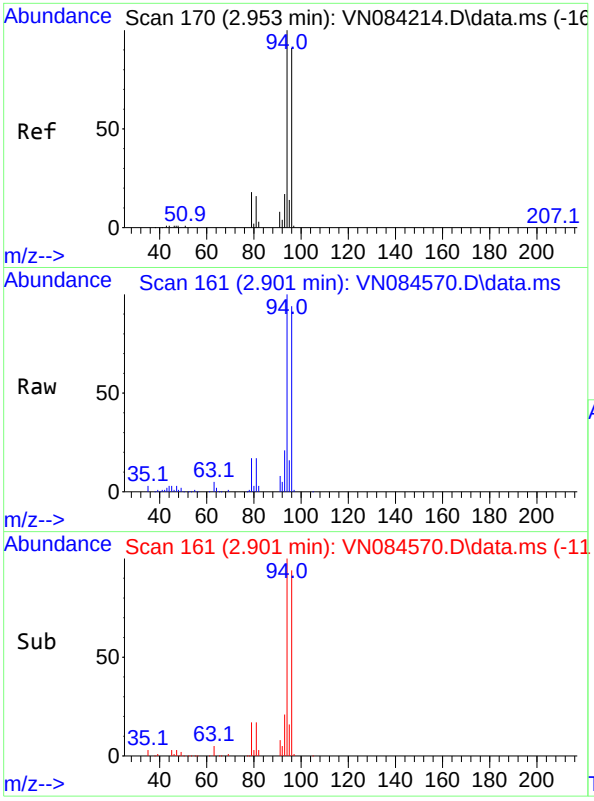


#4
Vinyl Chloride
Concen: 99.144 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 62 Resp: 229760

Ion	Ratio	Lower	Upper
62	100		
64	32.1	26.2	39.4



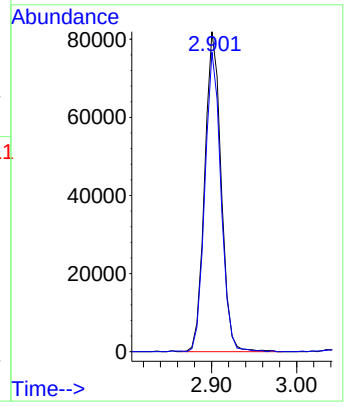


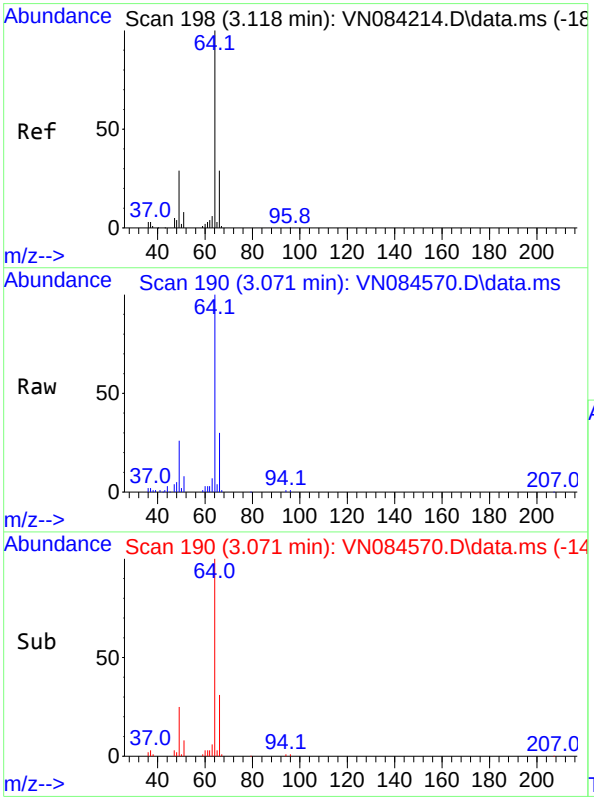
#5
Bromomethane
Concen: 89.128 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.052 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 109436

Ion	Ratio	Lower	Upper
94	100		
96	93.6	72.9	109.3

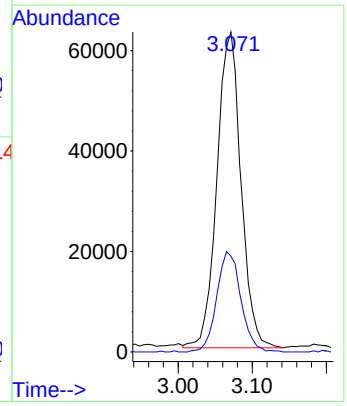


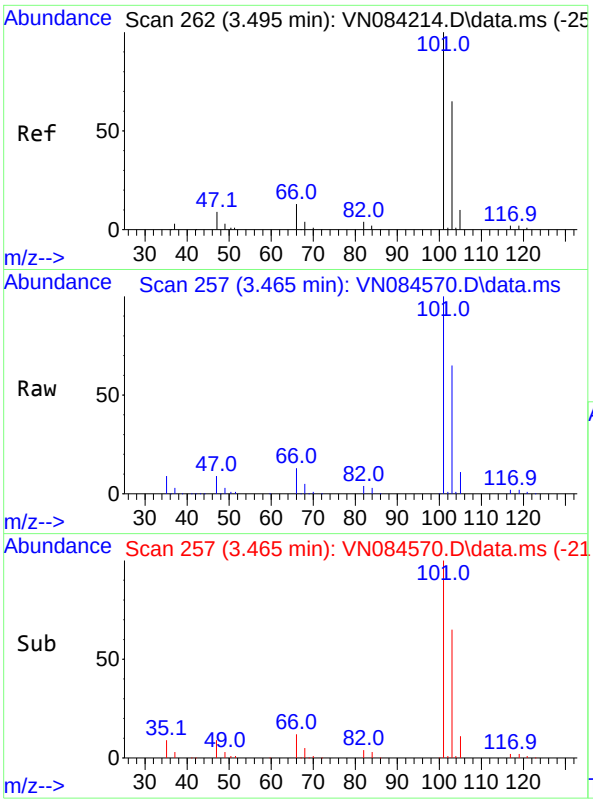


#6
Chloroethane
Concen: 100.310 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.047 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 64 Resp: 141883

Ion	Ratio	Lower	Upper
64	100		
66	30.4	23.5	35.3



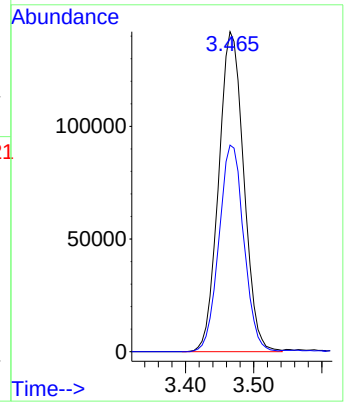


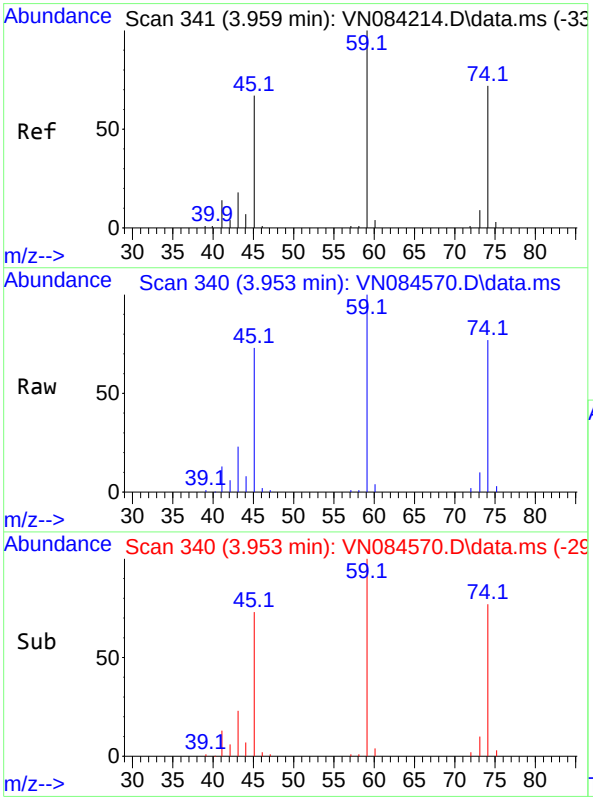
#7
Trichlorofluoromethane
Concen: 95.335 ug/l
RT: 3.465 min Scan# 2
Delta R.T. -0.030 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 363937

Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.8	77.6

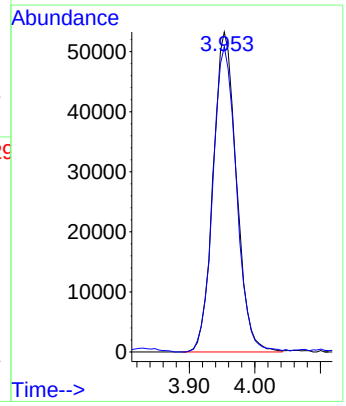


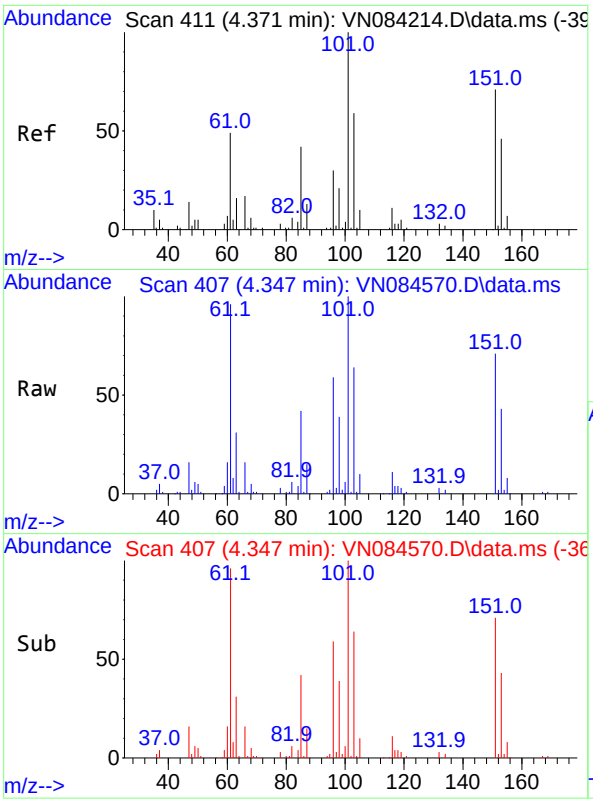


#8
Diethyl Ether
Concen: 97.575 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 74 Resp: 131399

Ion	Ratio	Lower	Upper
74	100		
45	96.8	47.7	143.1



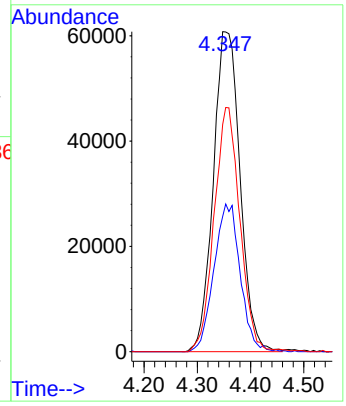


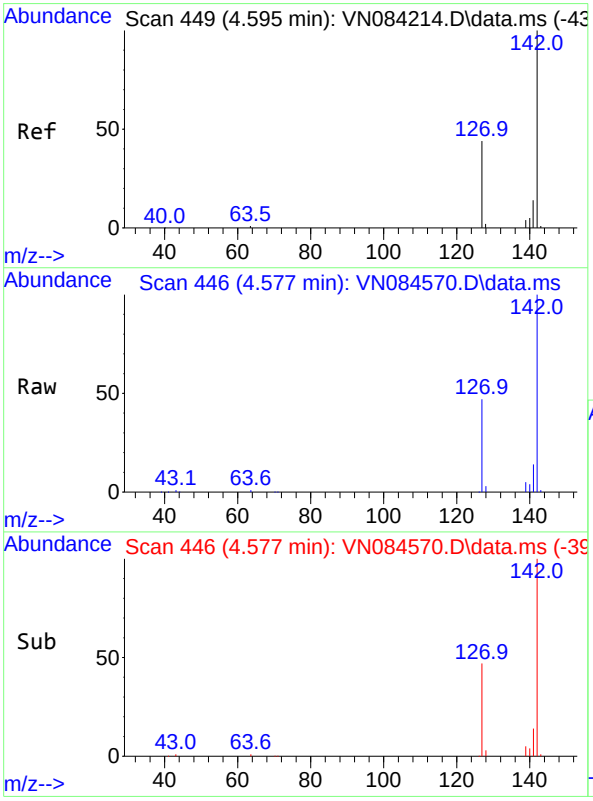
#9
1,1,2-Trichlorotrifluoroethane
Concen: 98.394 ug/l
RT: 4.347 min Scan# 4
Delta R.T. -0.024 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 212244

Ion	Ratio	Lower	Upper
101	100		
85	45.2	36.2	54.4
151	73.1	59.3	88.9

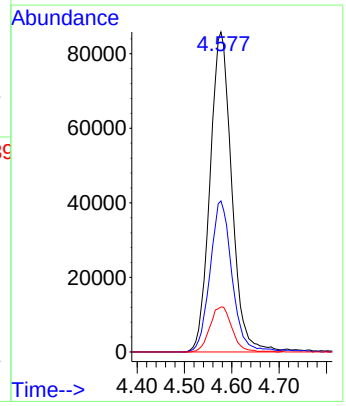


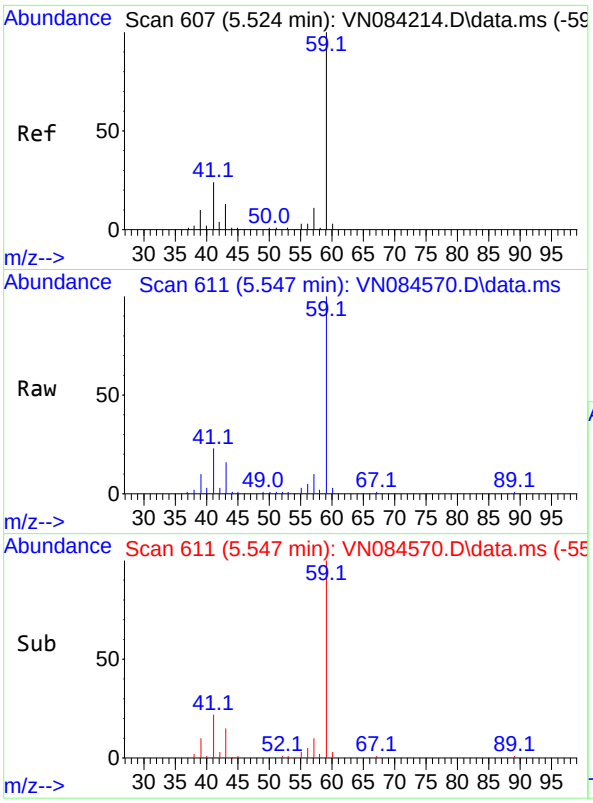


#10
Methyl Iodide
Concen: 94.692 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:142 Resp: 272990

Ion	Ratio	Lower	Upper
142	100		
127	47.2	35.3	52.9
141	14.1	11.0	16.6



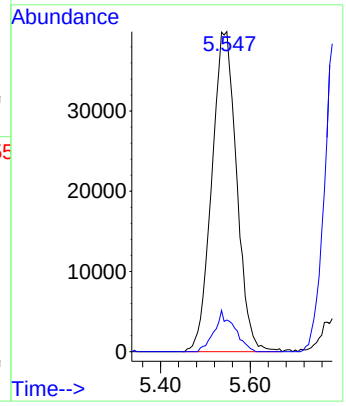


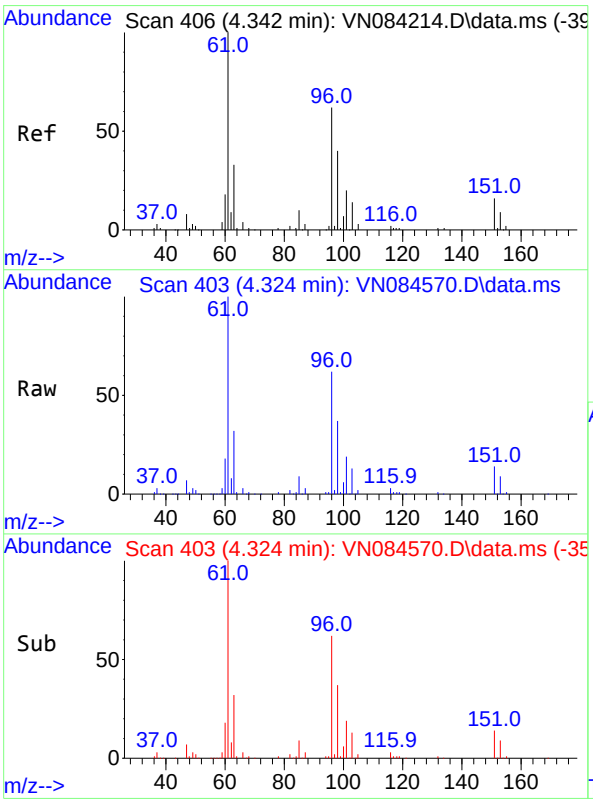
#11
Tert butyl alcohol
Concen: 429.840 ug/l
RT: 5.547 min Scan# 61
Delta R.T. 0.024 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 153595

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2

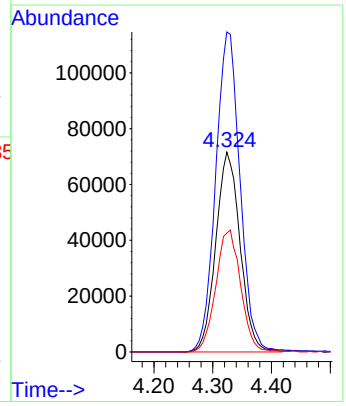


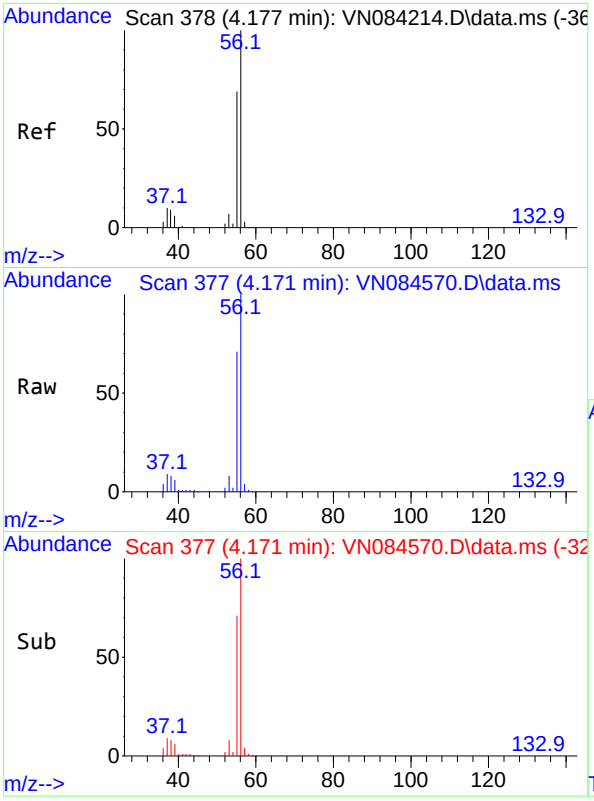


#12
1,1-Dichloroethene
Concen: 96.200 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 96 Resp: 205332

Ion	Ratio	Lower	Upper
96	100		
61	160.1	128.6	192.8
98	59.5	51.7	77.5



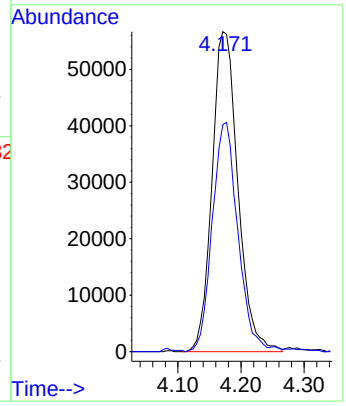


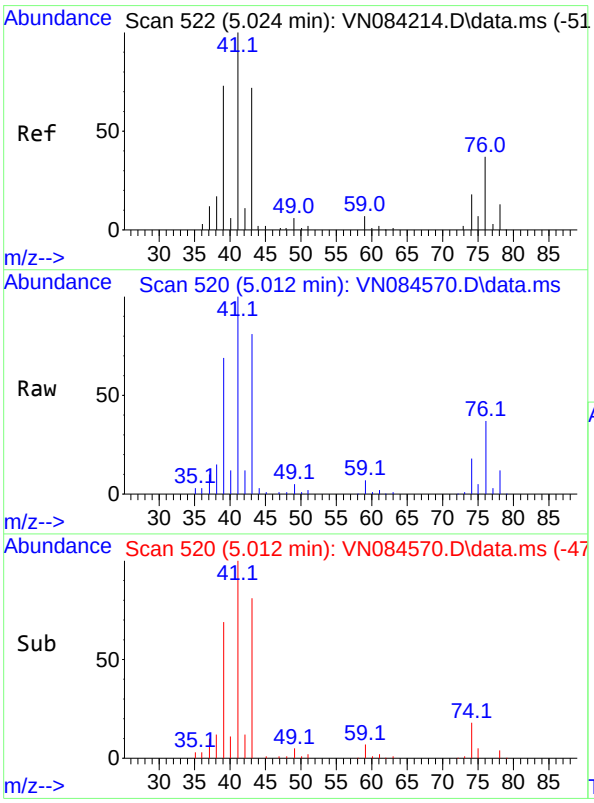
#13
Acrolein
Concen: 453.545 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 161607

Ion	Ratio	Lower	Upper
56	100		
55	71.1	57.2	85.8

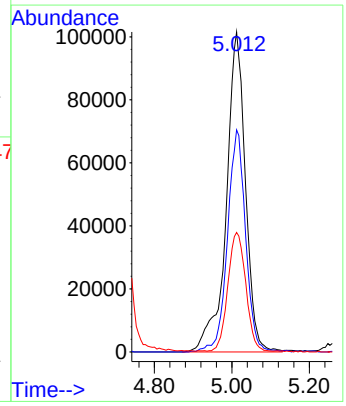


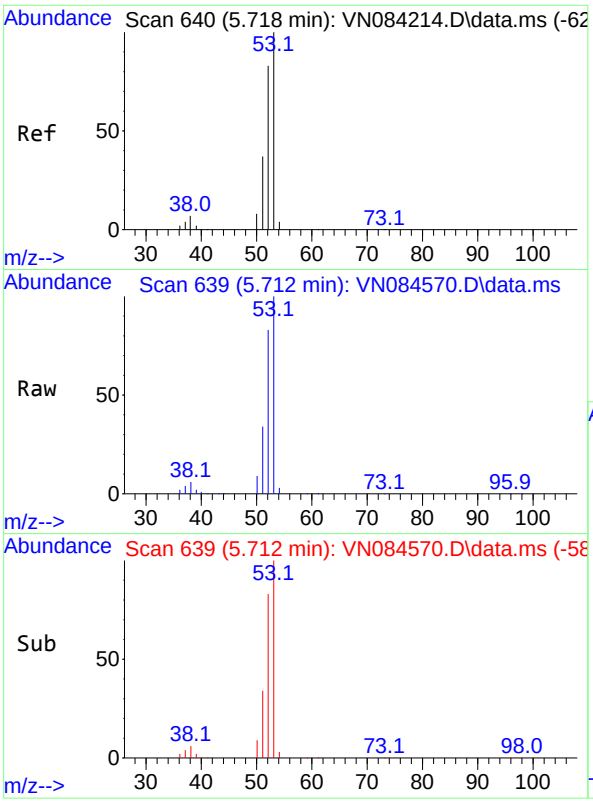


#14
Allyl chloride
Concen: 101.116 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 41 Resp: 350014

Ion	Ratio	Lower	Upper
41	100		
39	65.5	59.0	88.6
76	34.6	29.8	44.6



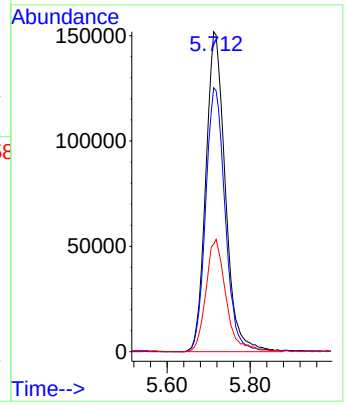


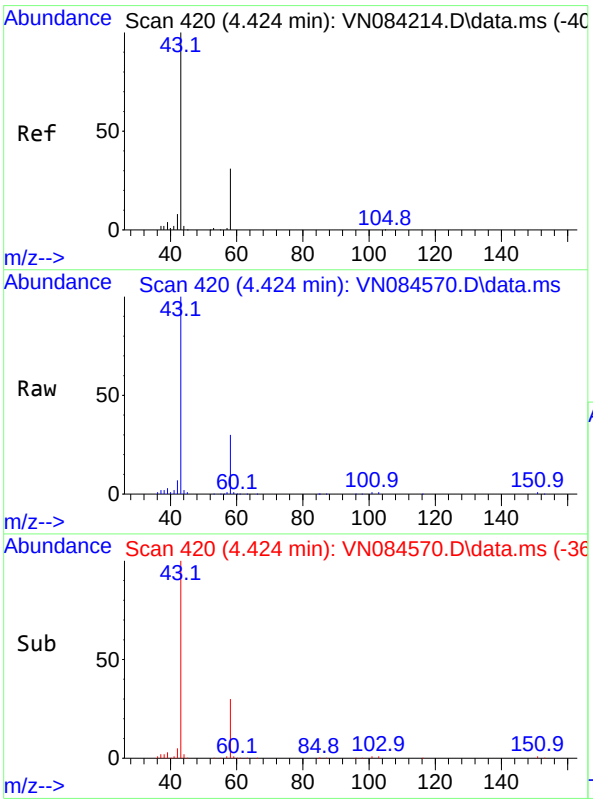
#15
Acrylonitrile
Concen: 477.613 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 494070

Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.4
51	36.2	28.8	43.2

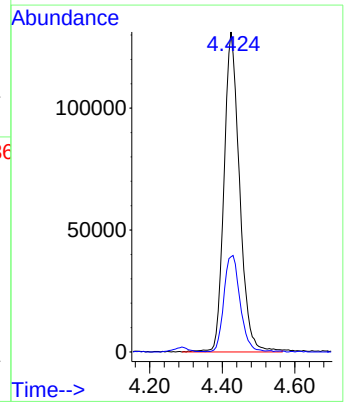


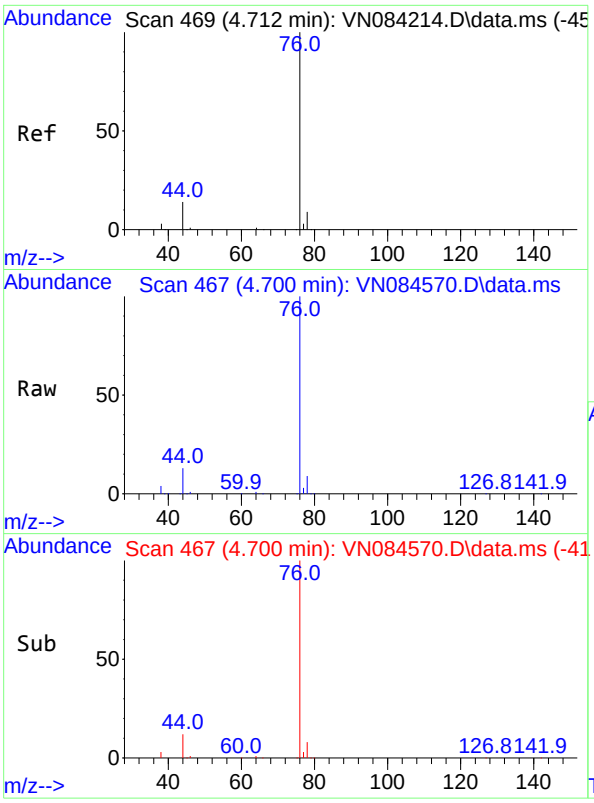


#16
Acetone
Concen: 502.753 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 43 Resp: 390888

Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.4	36.6



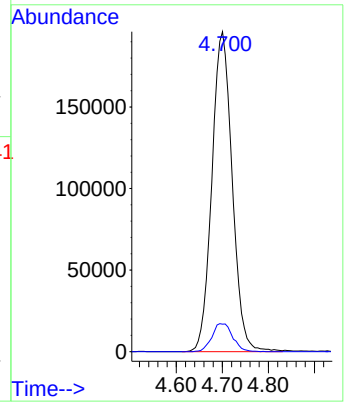


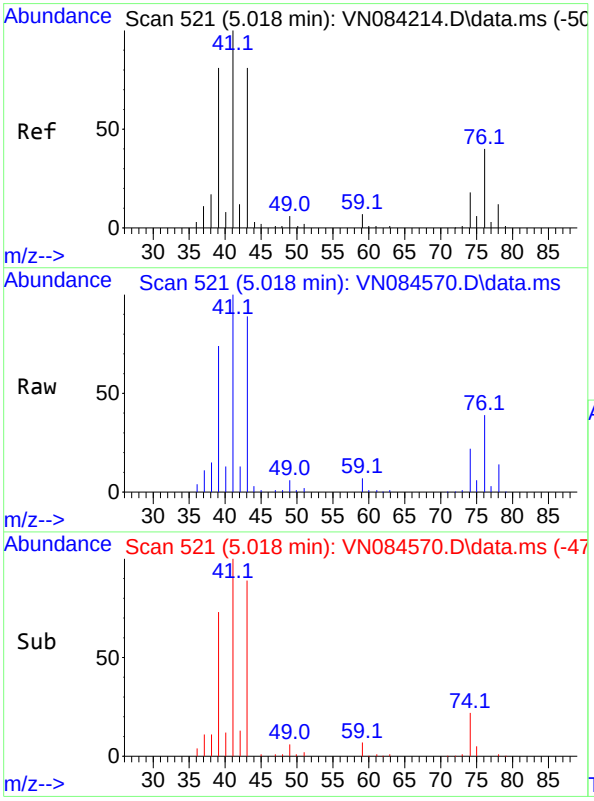
#17
Carbon Disulfide
Concen: 91.464 ug/l
RT: 4.700 min Scan# 4
Delta R.T. -0.012 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 601202

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9

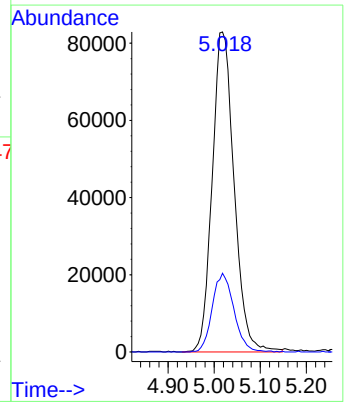


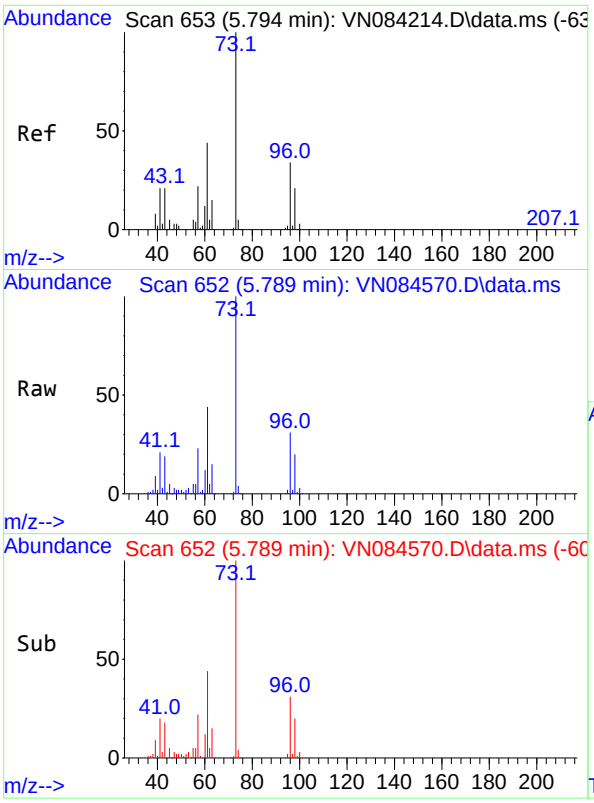


#18
Methyl Acetate
Concen: 99.857 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 43 Resp: 273870

Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.2	28.8



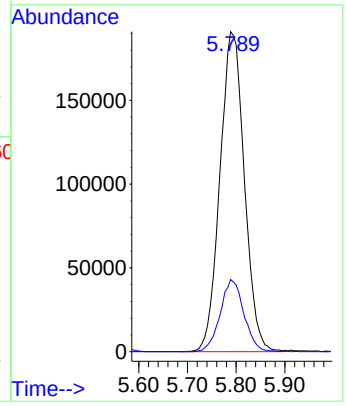


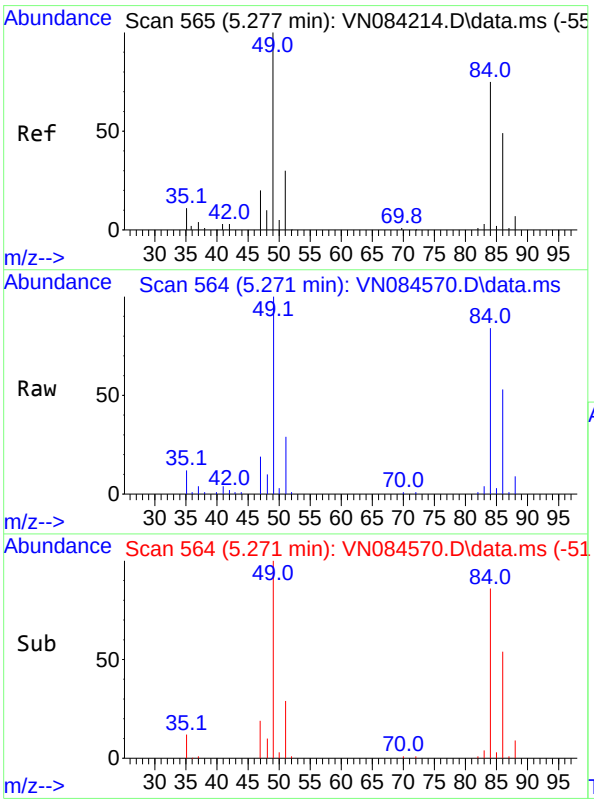
#19
Methyl tert-butyl Ether
Concen: 101.618 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 664800

Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.7	26.5

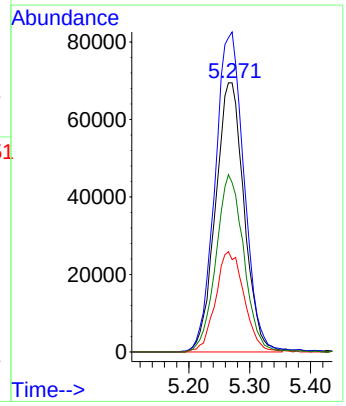


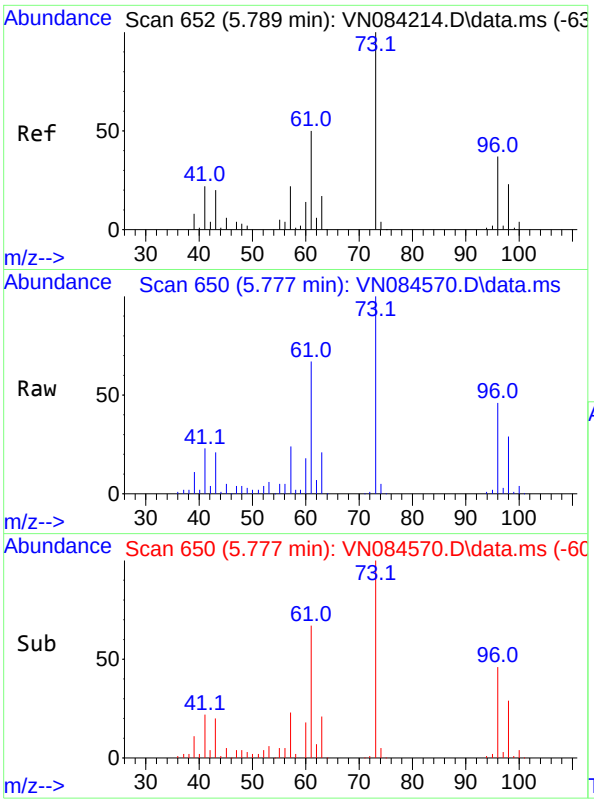


#20
Methylene Chloride
Concen: 95.017 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 84 Resp: 226231

Ion	Ratio	Lower	Upper
84	100		
49	118.6	107.2	160.8
51	34.3	31.8	47.8
86	62.9	52.9	79.3



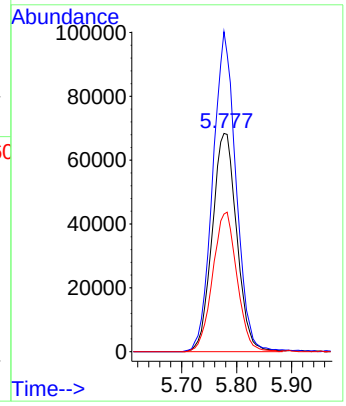


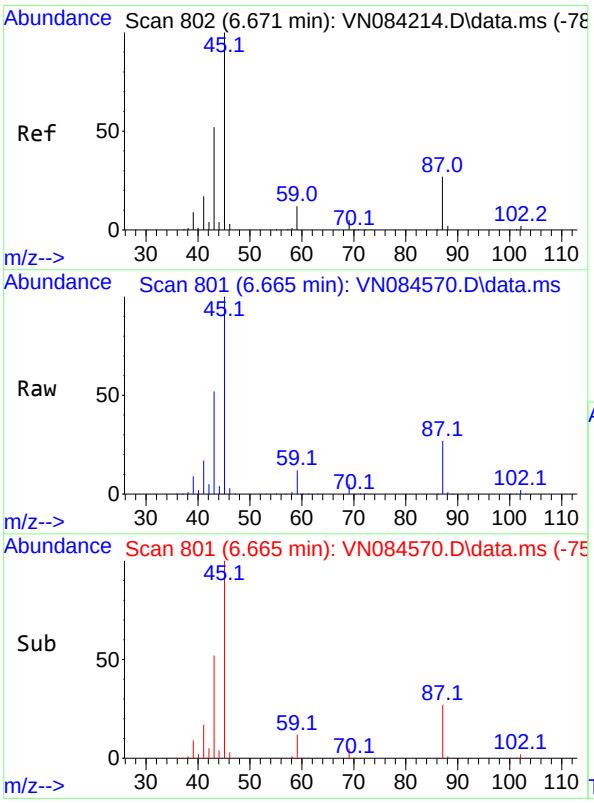
#21
trans-1,2-Dichloroethene
Concen: 96.569 ug/l
RT: 5.777 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 211649

Ion	Ratio	Lower	Upper
96	100		
61	146.6	108.4	162.6
98	63.0	49.8	74.8

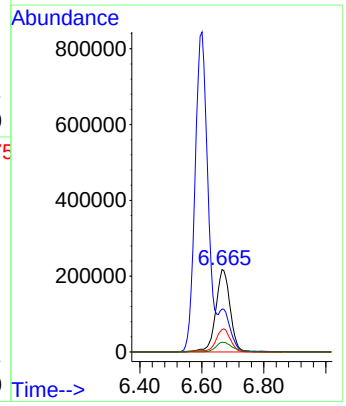


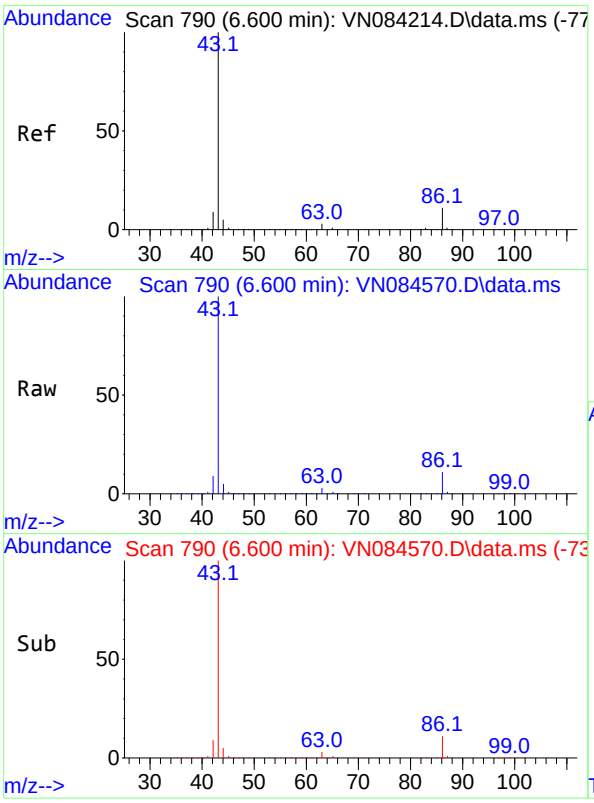


#22
Diisopropyl ether
Concen: 101.268 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 45 Resp: 696527

Ion	Ratio	Lower	Upper
45	100		
43	51.8	42.3	63.5
87	27.1	21.8	32.6
59	11.8	9.6	14.4



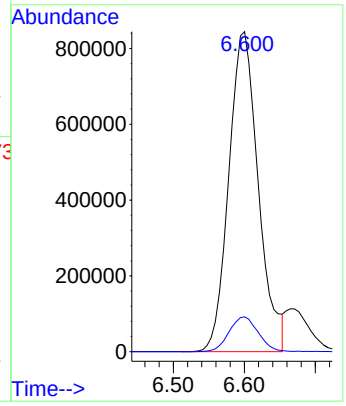


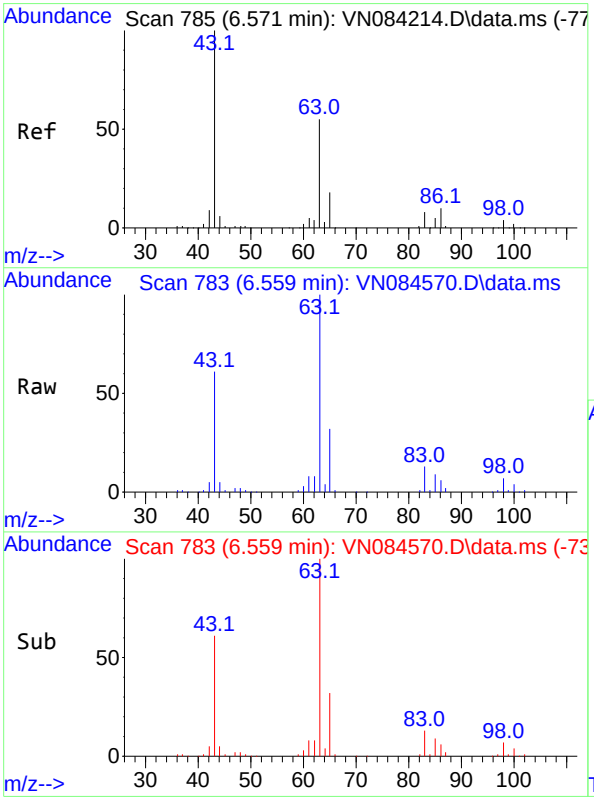
#23
Vinyl Acetate
Concen: 514.697 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2441301

Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.6	12.8

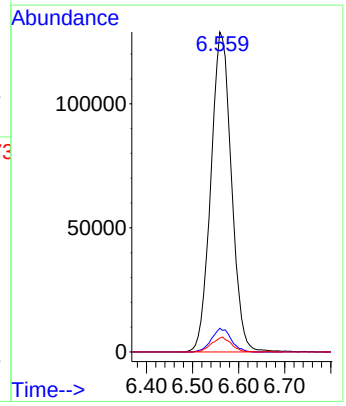


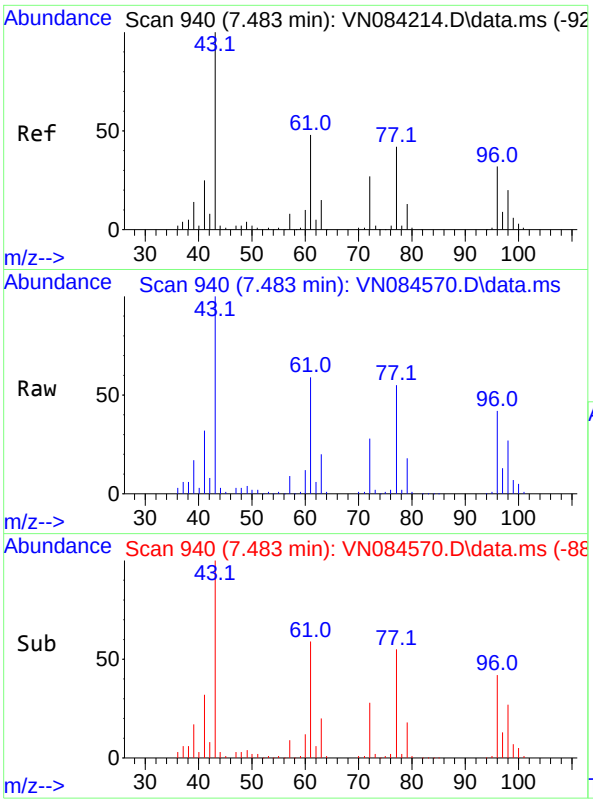


#24
1,1-Dichloroethane
Concen: 96.866 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 63 Resp: 399999

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.4	10.2
100	4.4	2.0	5.8



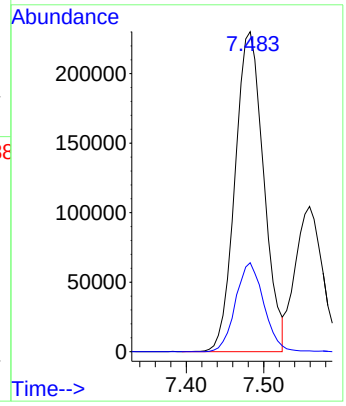


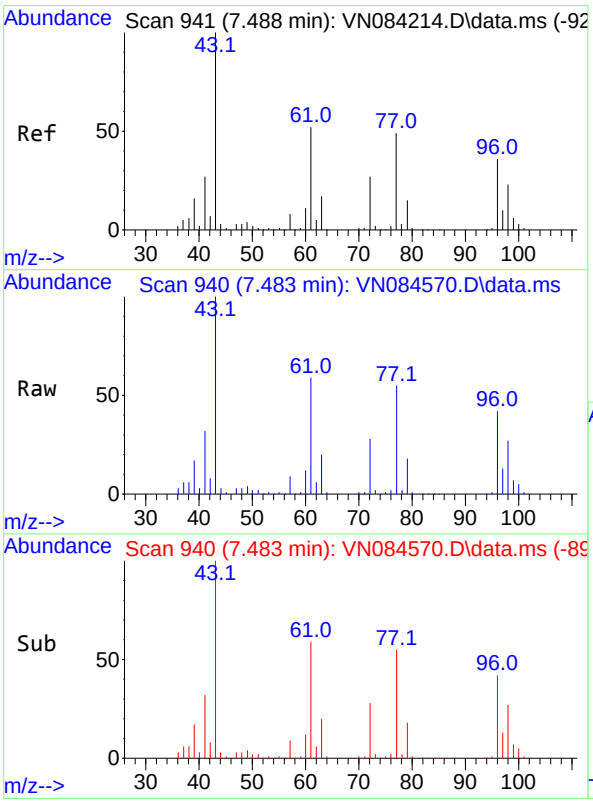
#25
2-Butanone
Concen: 468.634 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 591863

Ion	Ratio	Lower	Upper
43	100		
72	27.8	21.4	32.2

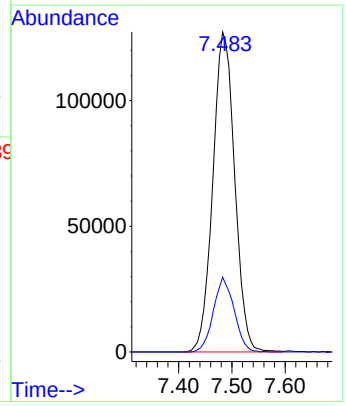


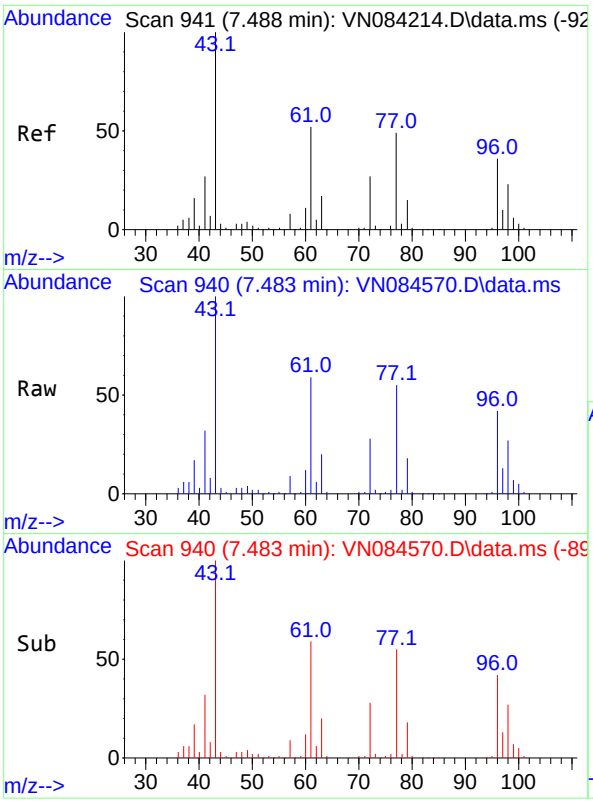


#26
2,2-Dichloropropane
Concen: 100.979 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 77 Resp: 362927

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.8	32.3



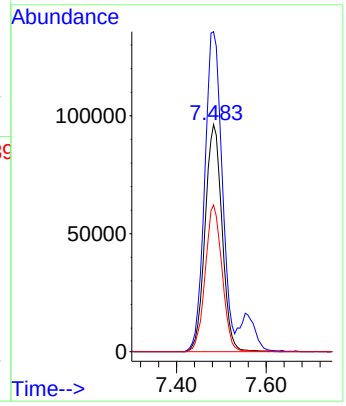


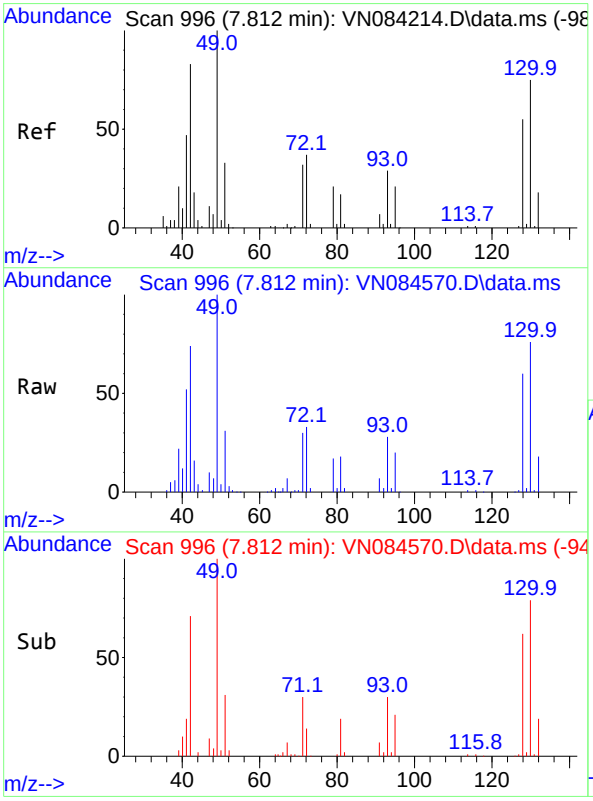
#27
cis-1,2-Dichloroethene
Concen: 98.835 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 252932

Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	301.8
98	63.9	0.0	128.2

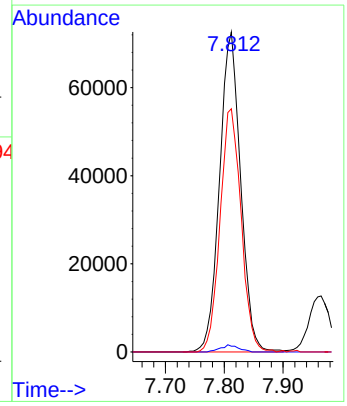


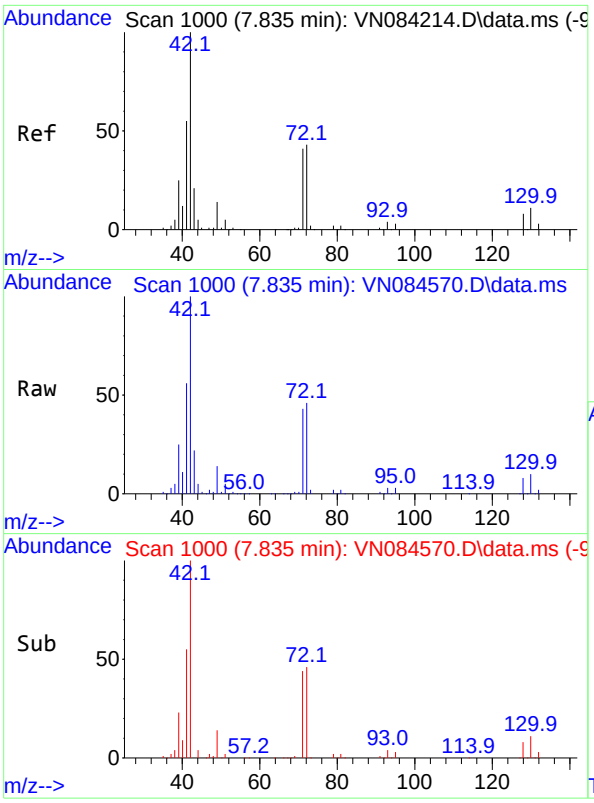


#28
Bromochloromethane
Concen: 109.944 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 49 Resp: 180881

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	75.7	58.0	87.0



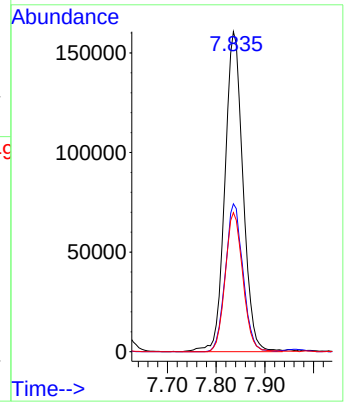


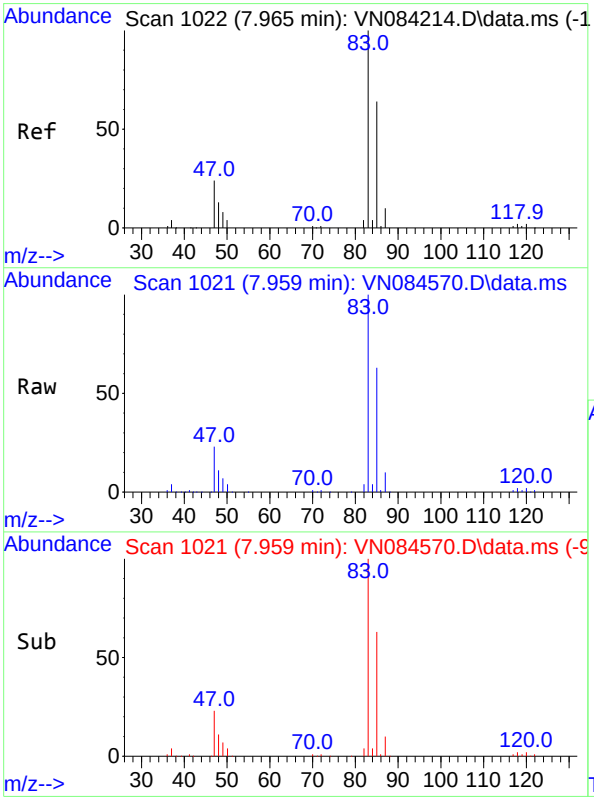
#29
Tetrahydrofuran
Concen: 495.347 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 415033

Ion	Ratio	Lower	Upper
42	100		
72	45.0	34.6	51.8
71	42.4	32.2	48.4

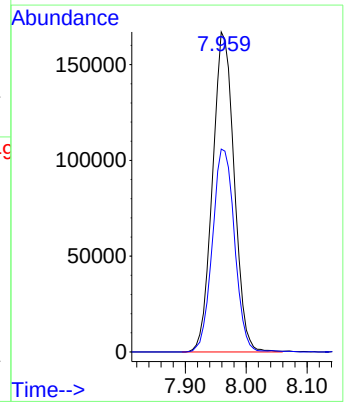


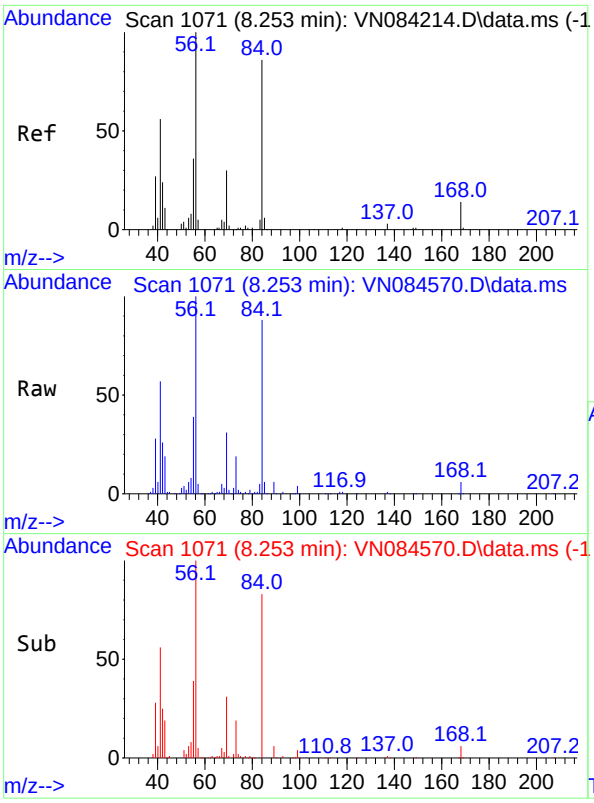


#30
Chloroform
Concen: 98.045 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 83 Resp: 412084

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.0	76.4



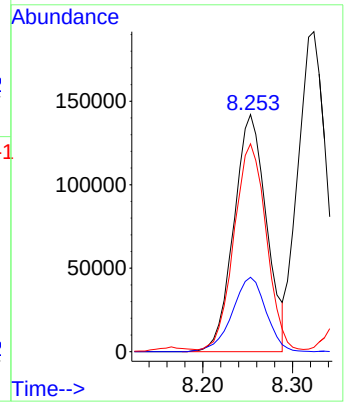


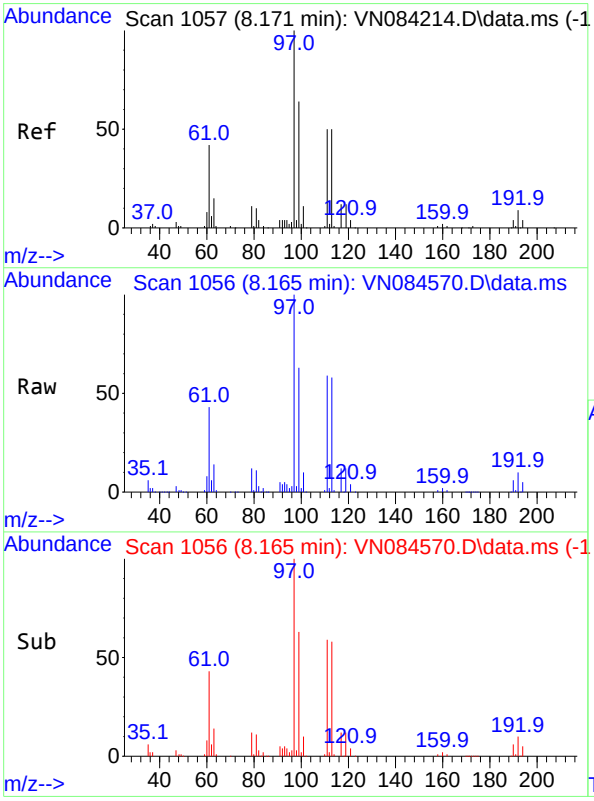
#31
Cyclohexane
Concen: 95.881 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 358350

Ion	Ratio	Lower	Upper
56	100		
69	31.4	23.8	35.6
84	86.3	68.8	103.2

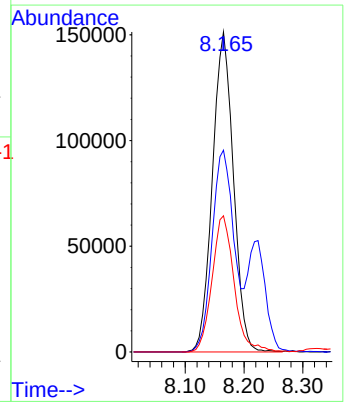


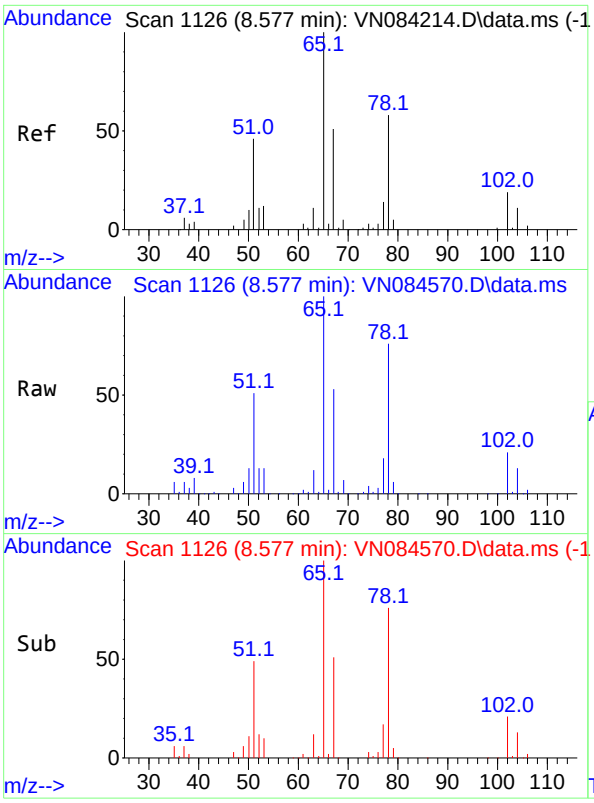


#32
1,1,1-Trichloroethane
Concen: 98.012 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 97 Resp: 374940

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.2	76.8
61	44.8	37.5	56.3



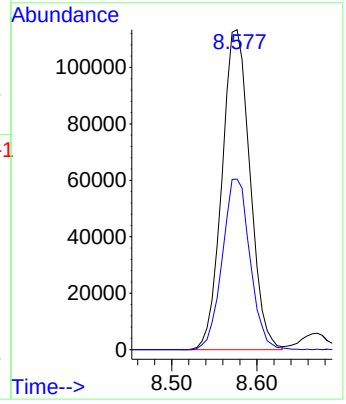


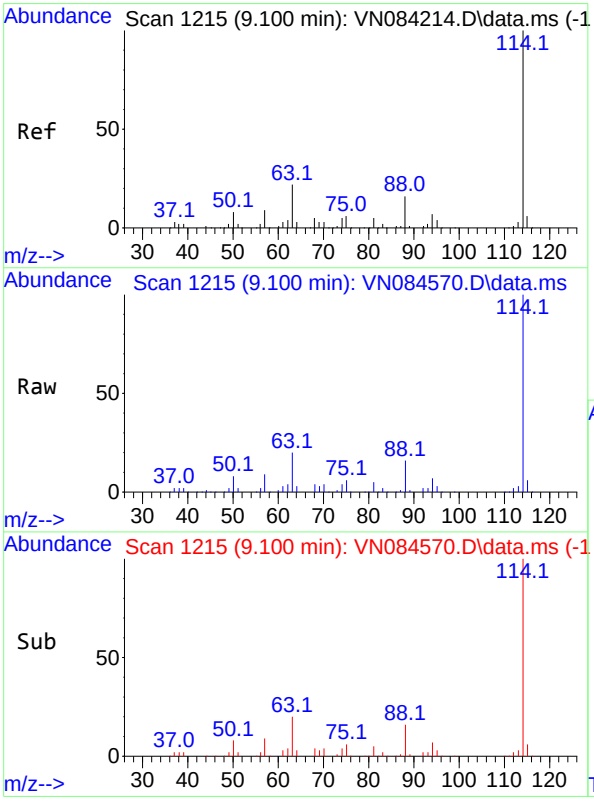
#33
1,2-Dichloroethane-d4
Concen: 95.404 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 258269

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	102.0

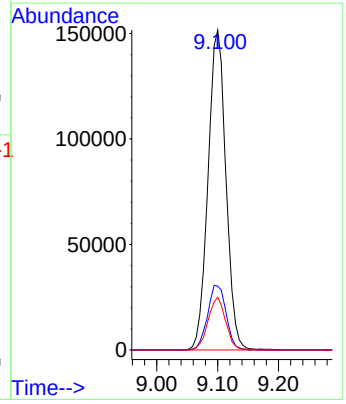


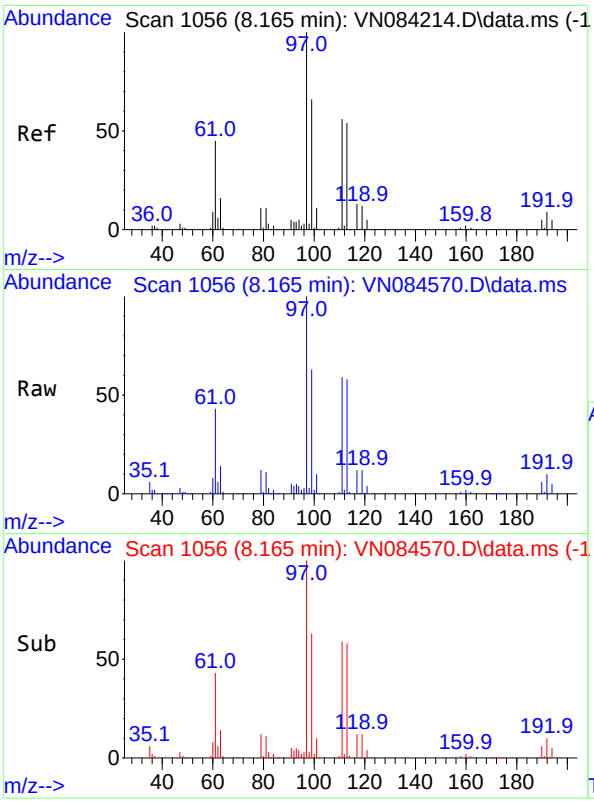


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:114 Resp: 309230

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	43.8
88	16.5	0.0	31.6



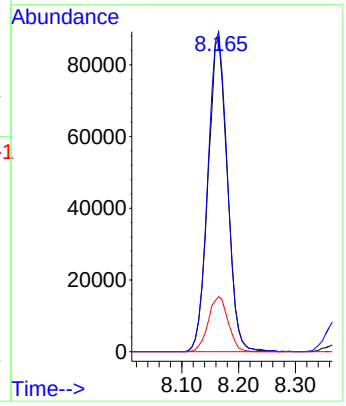


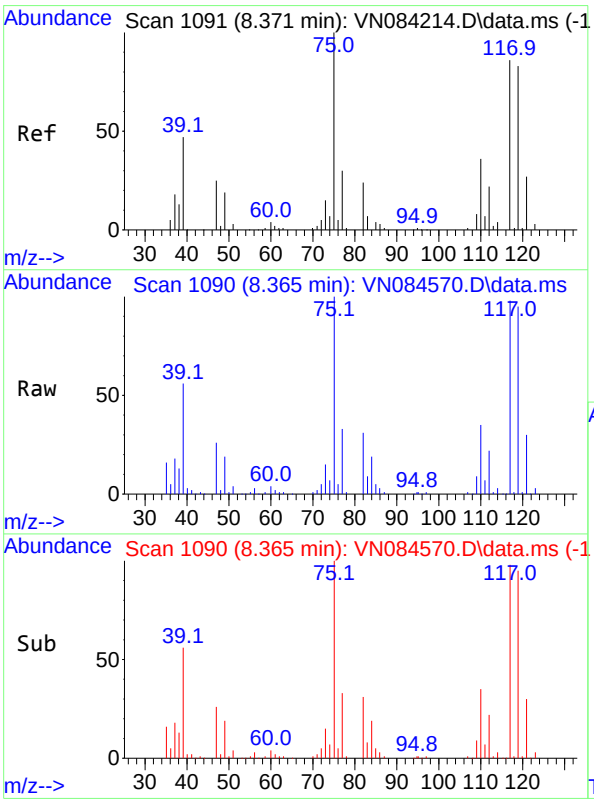
#35
Dibromofluoromethane
Concen: 98.617 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 206417

Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.3	124.9
192	18.0	13.5	20.3

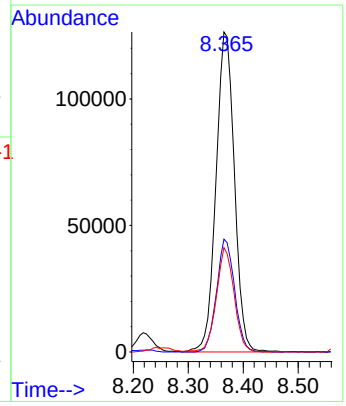


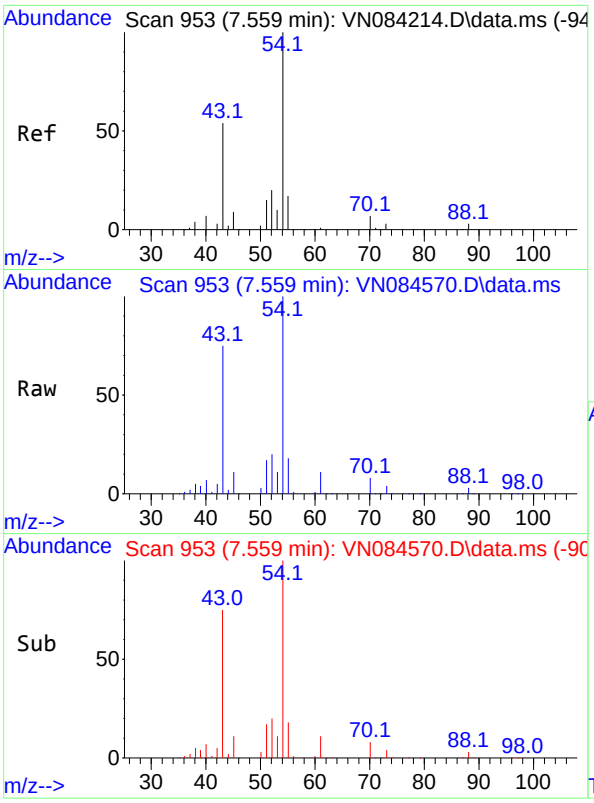


#36
1,1-Dichloropropene
Concen: 101.323 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 75 Resp: 294131

Ion	Ratio	Lower	Upper
75	100		
110	34.6	16.9	50.7
77	31.5	24.7	37.1



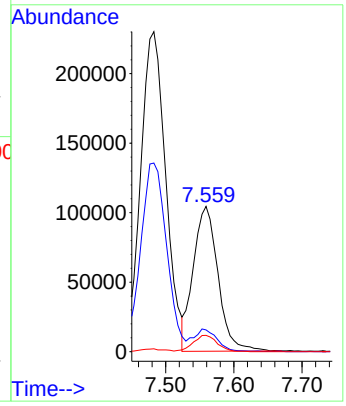


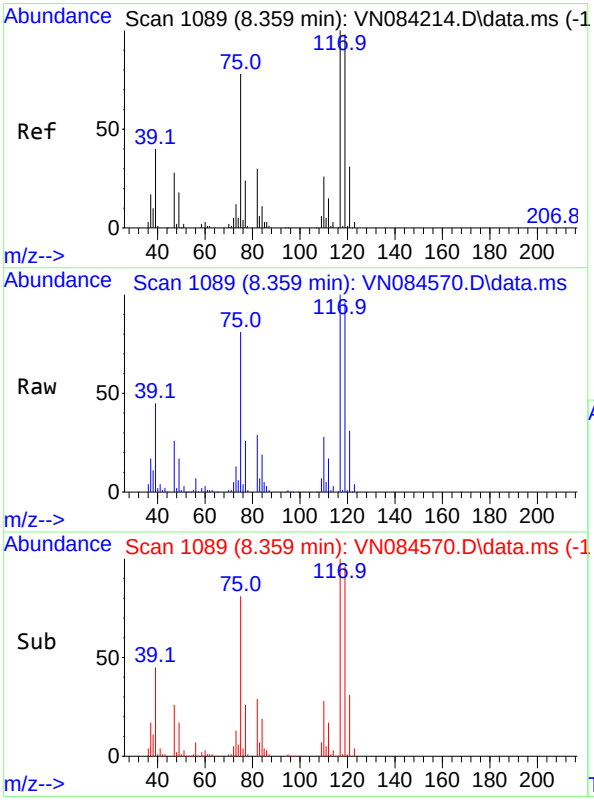
#37
Ethyl Acetate
Concen: 99.553 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 262200

Ion	Ratio	Lower	Upper
43	100		
61	12.1	10.7	16.1
70	11.0	8.8	13.2

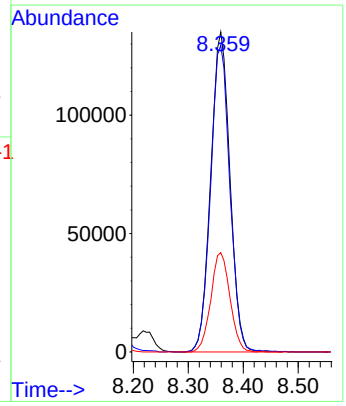


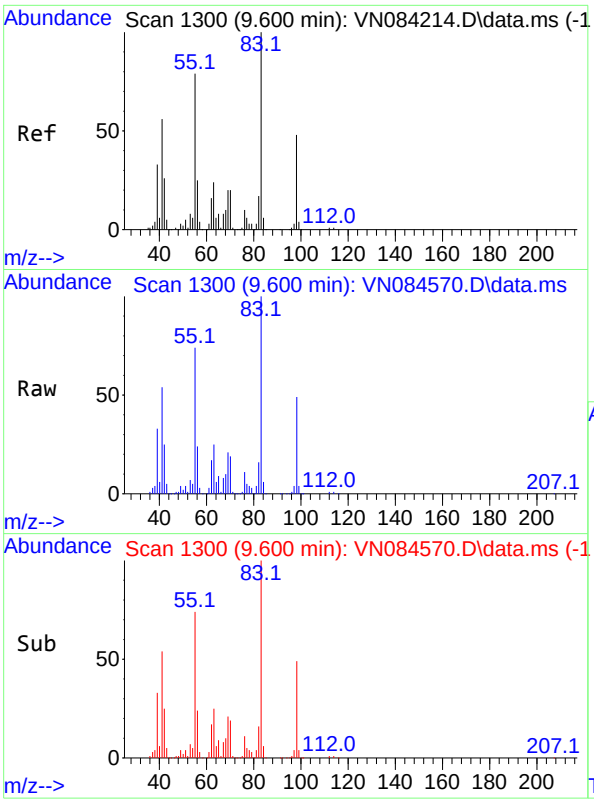


#38
Carbon Tetrachloride
Concen: 100.981 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:117 Resp: 327651

Ion	Ratio	Lower	Upper
117	100		
119	95.8	78.7	118.1
121	31.1	24.4	36.6



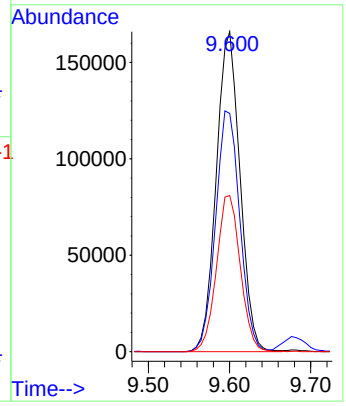


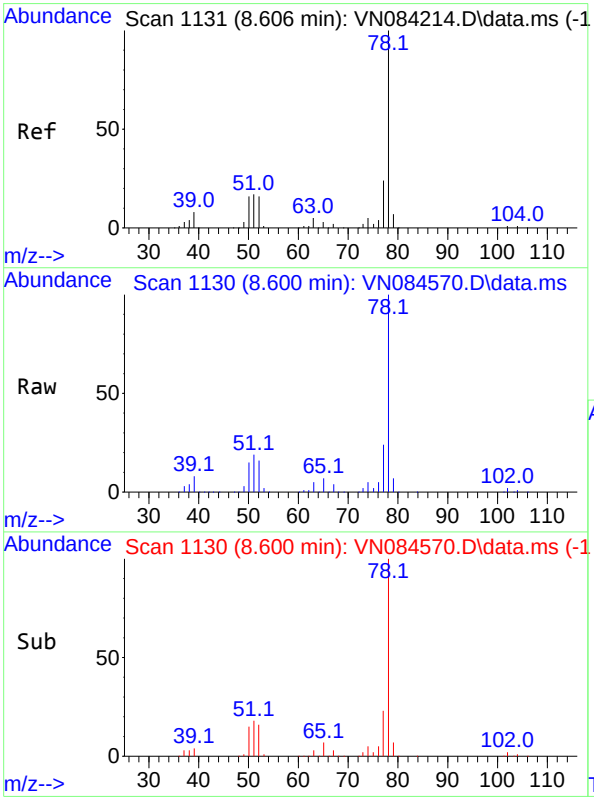
#39
Methylcyclohexane
Concen: 114.344 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 337677

Ion	Ratio	Lower	Upper
83	100		
55	74.5	62.8	94.2
98	48.8	38.8	58.2

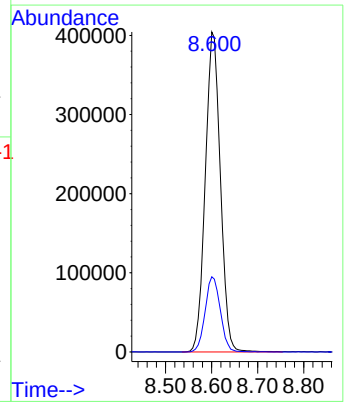


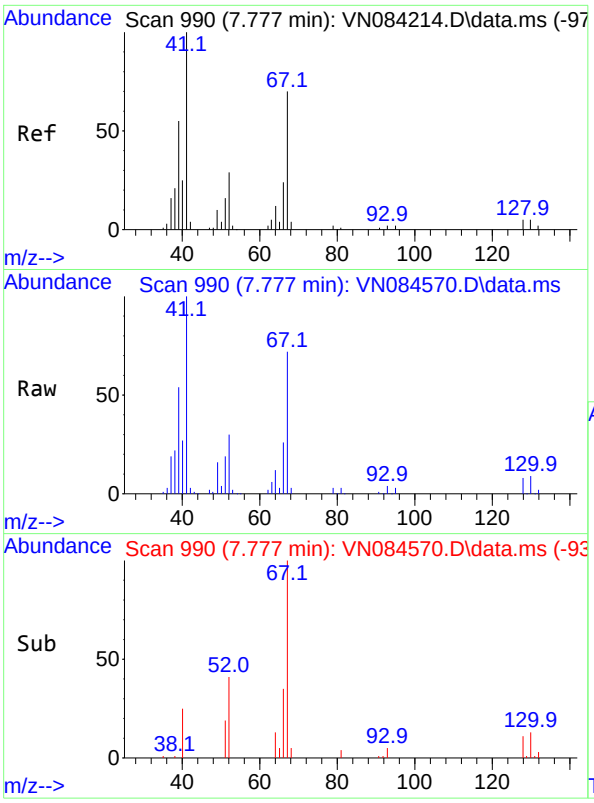


#40
Benzene
Concen: 99.119 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 78 Resp: 924038

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7



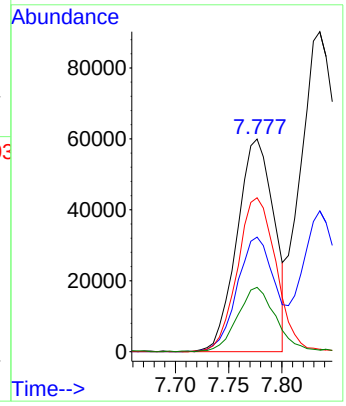


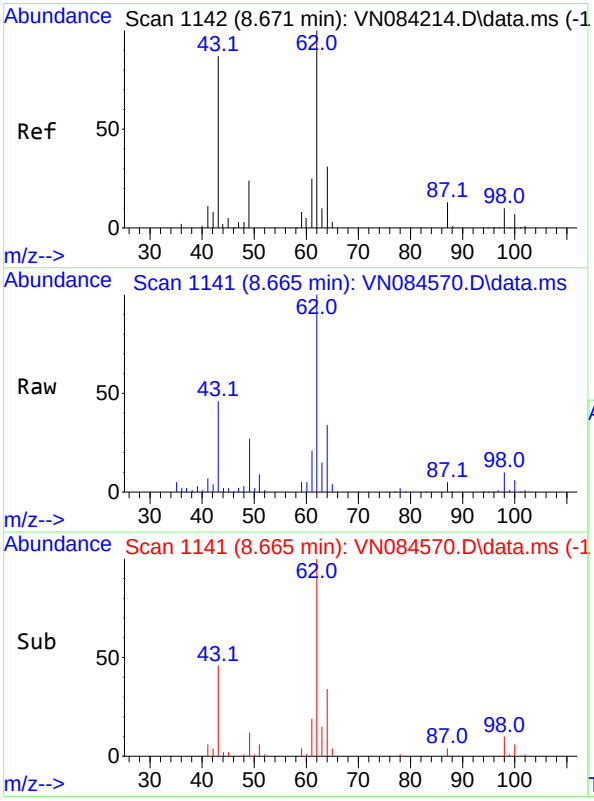
#41
Methacrylonitrile
Concen: 102.406 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 145041

Ion	Ratio	Lower	Upper
41	100		
39	56.8	43.3	64.9
67	76.0	56.1	84.1
52	31.7	24.5	36.7

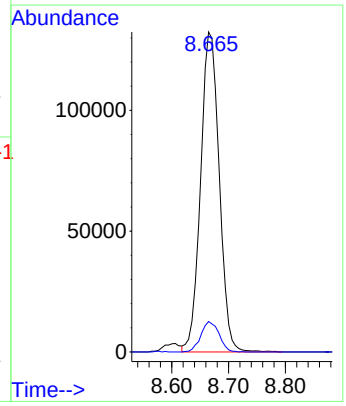


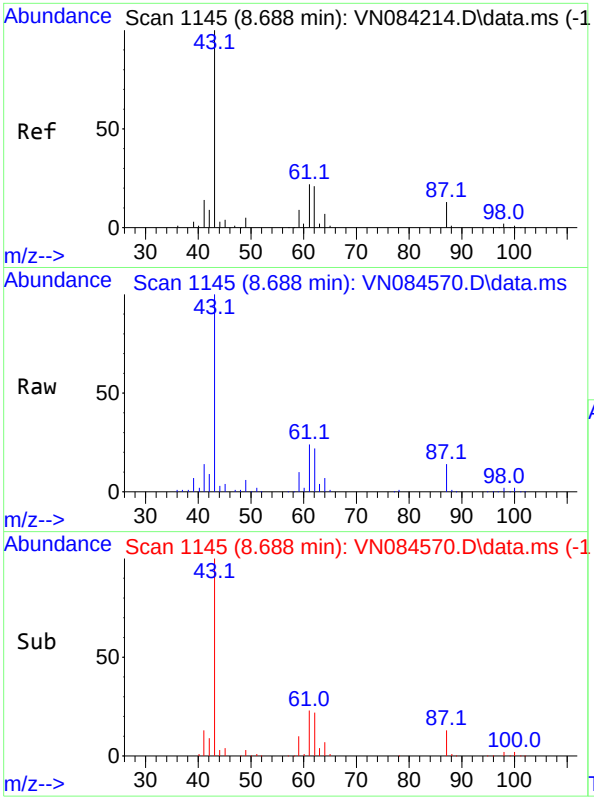


#42
1,2-Dichloroethane
Concen: 100.005 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 62 Resp: 301932

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2



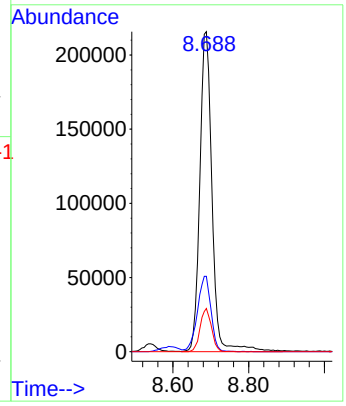


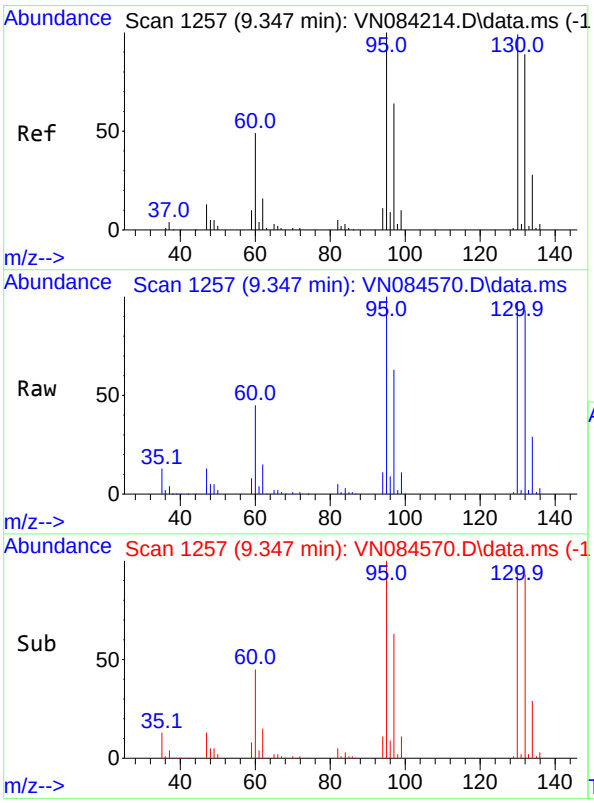
#43
Isopropyl Acetate
Concen: 100.857 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 485962

Ion	Ratio	Lower	Upper
43	100		
61	26.0	20.4	30.6
87	12.5	10.3	15.5

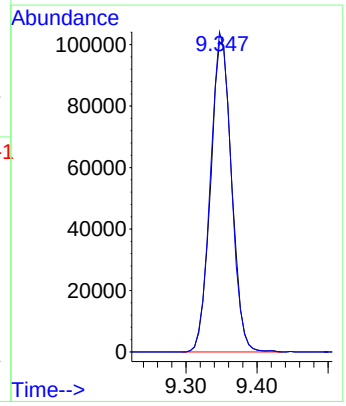


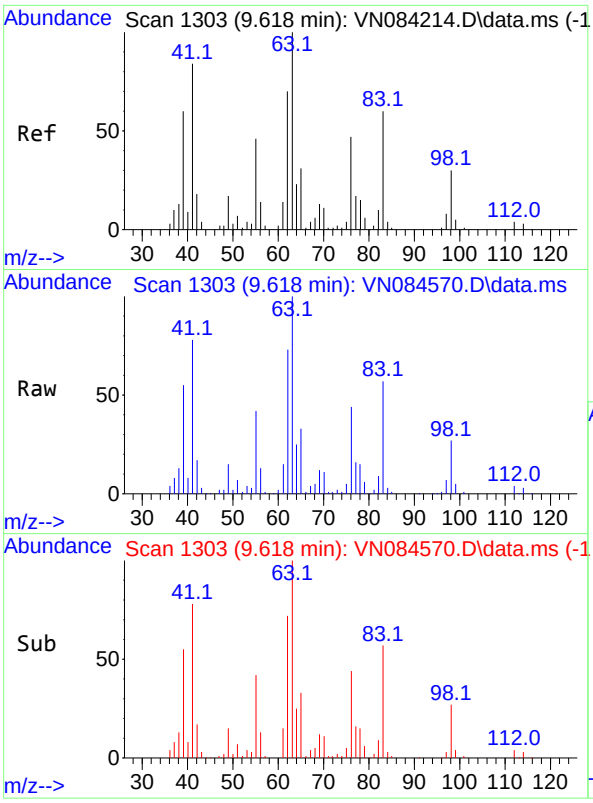


#44
Trichloroethene
Concen: 97.413 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:130 Resp: 209438

Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	203.0



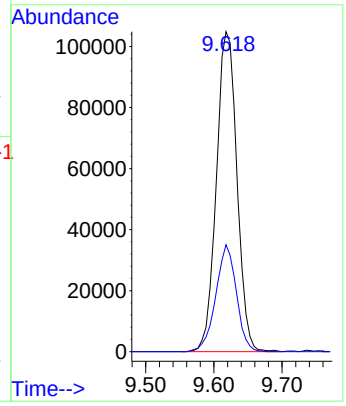


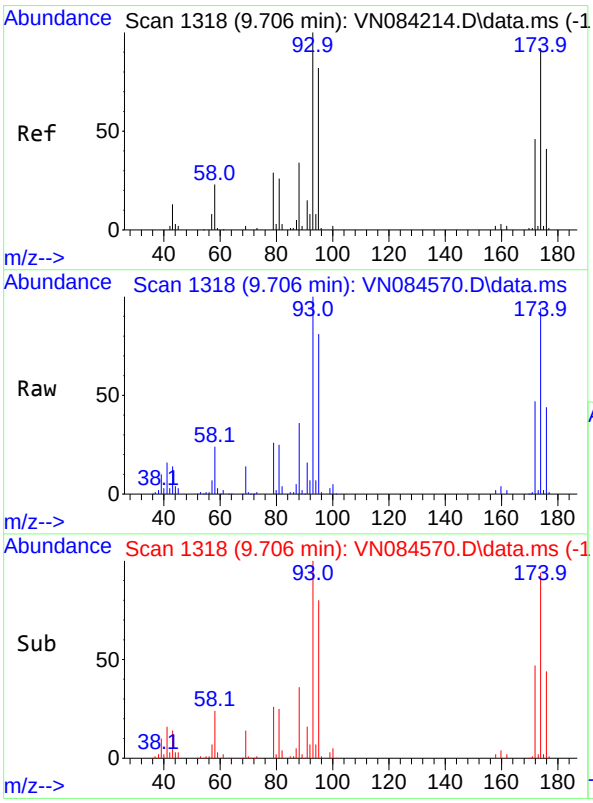
#45
1,2-Dichloropropane
Concen: 100.718 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 220258

Ion	Ratio	Lower	Upper
63	100		
65	33.4	24.6	37.0

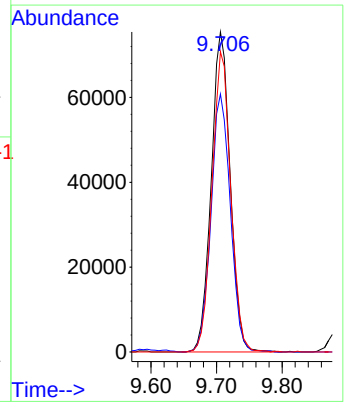


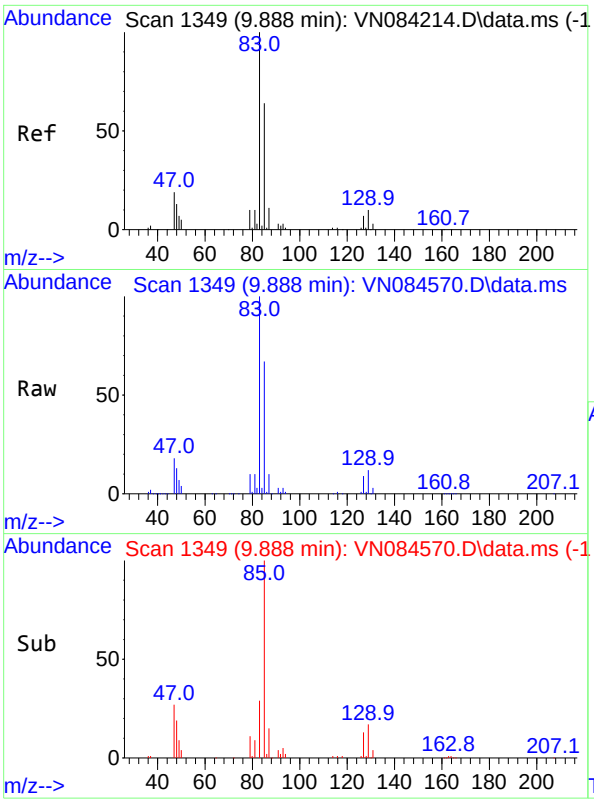


#46
Dibromomethane
Concen: 98.281 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 93 Resp: 151661

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.0	97.4
174	92.7	71.8	107.8



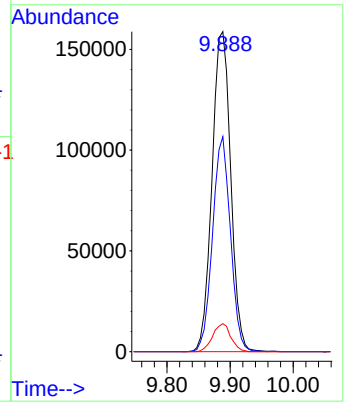


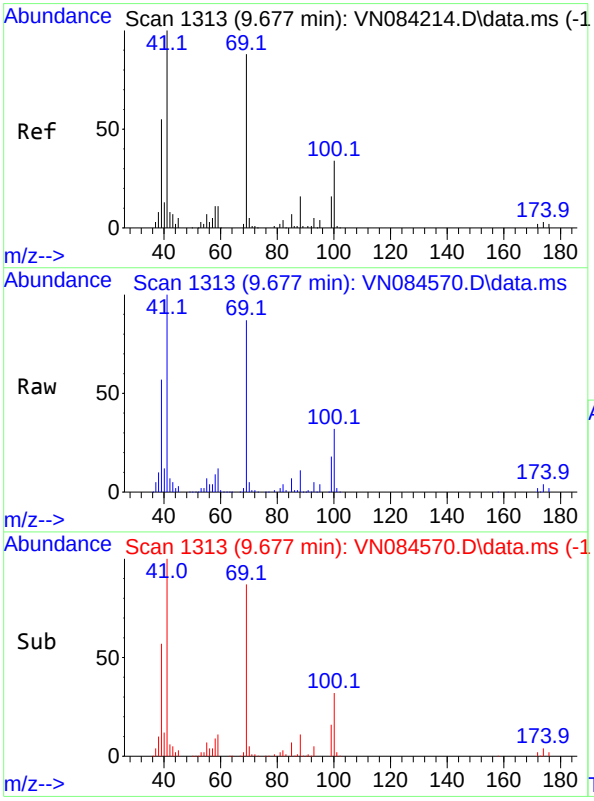
#47
Bromodichloromethane
Concen: 100.364 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 326466

Ion	Ratio	Lower	Upper
83	100		
85	67.2	51.5	77.3
127	8.8	5.7	8.5#

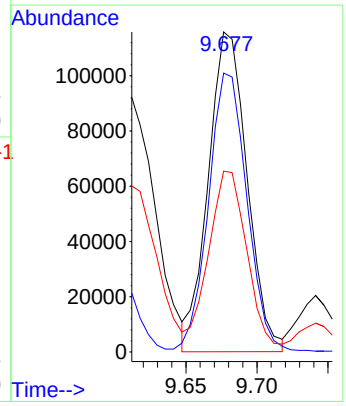


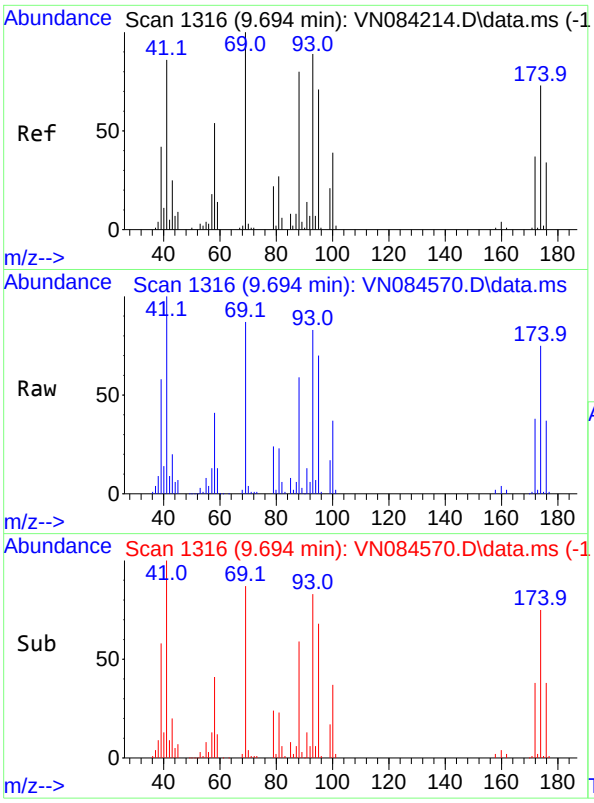


#48
Methyl methacrylate
Concen: 107.249 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 41 Resp: 219838

Ion	Ratio	Lower	Upper
41	100		
69	86.4	67.1	100.7
39	56.6	45.8	68.6



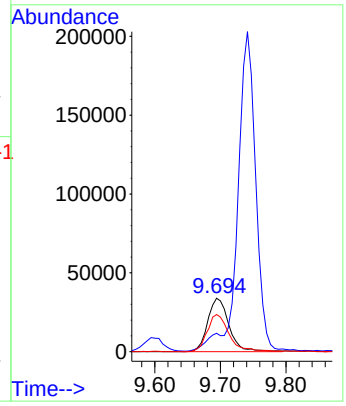


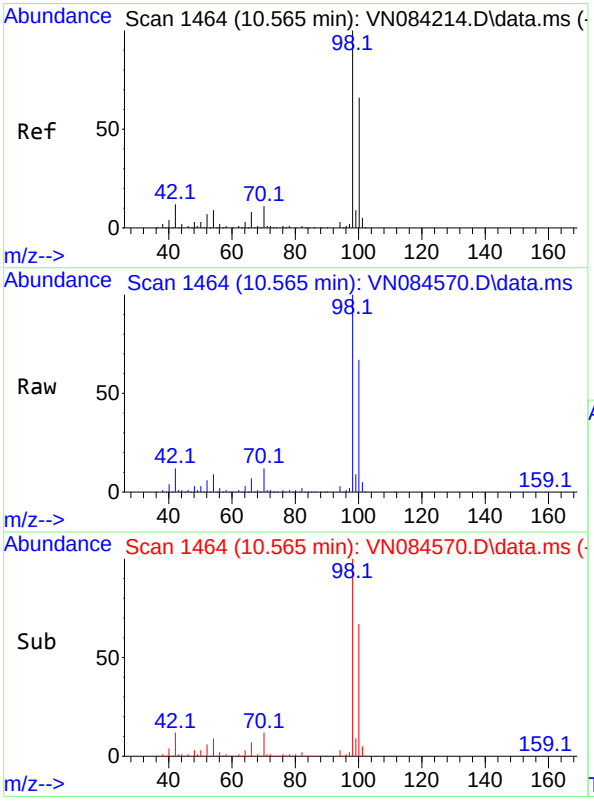
#49
1,4-Dioxane
Concen: 2097.505 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 76189

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	72.9	56.4	84.6

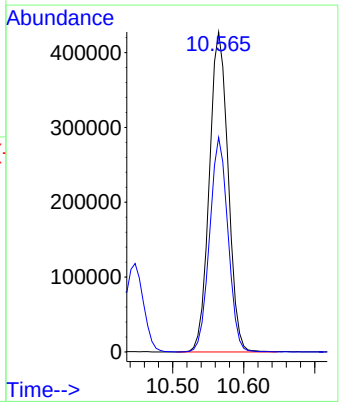


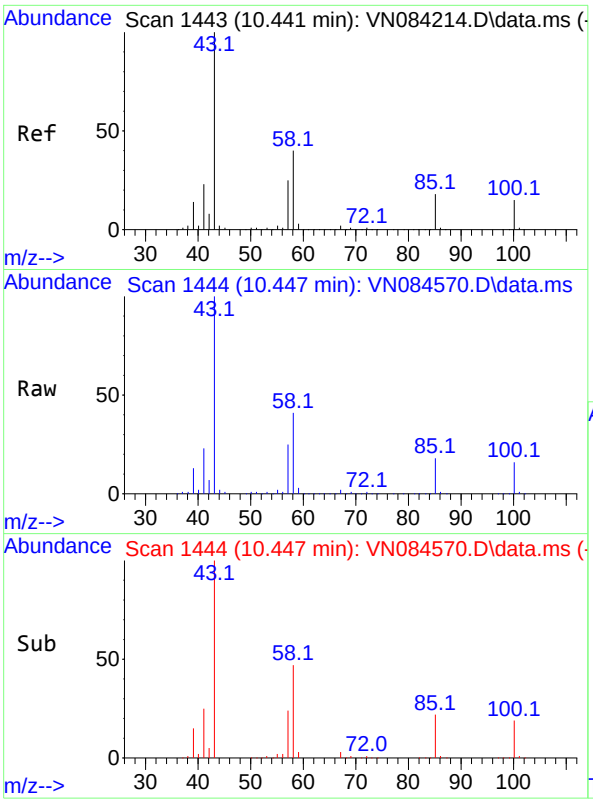


#50
Toluene-d8
Concen: 101.646 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 98 Resp: 783727

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1



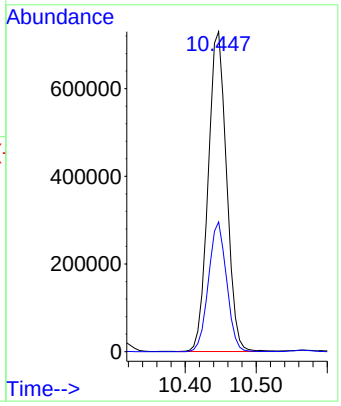


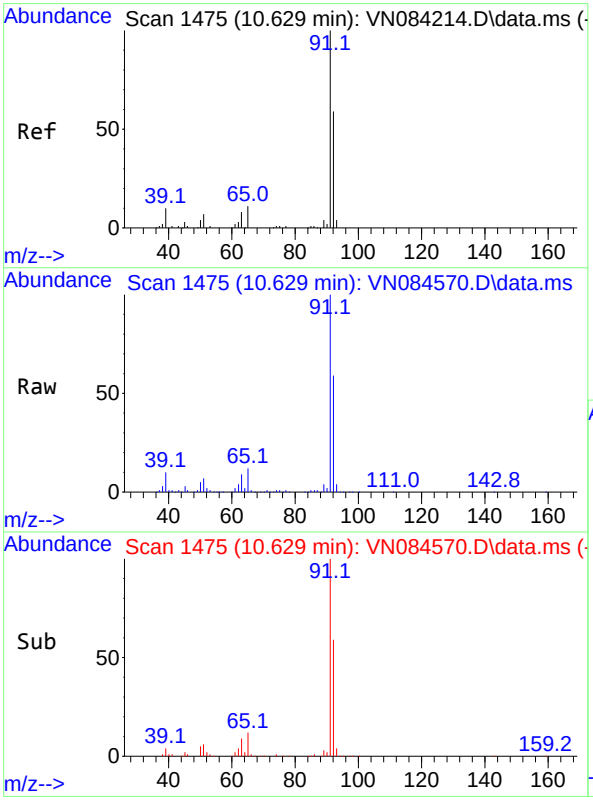
#51
4-Methyl-2-Pentanone
Concen: 522.607 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1312148

Ion	Ratio	Lower	Upper
43	100		
58	39.8	31.6	47.4

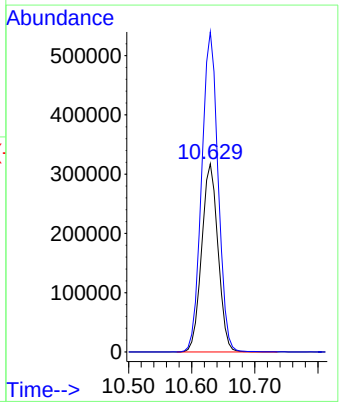


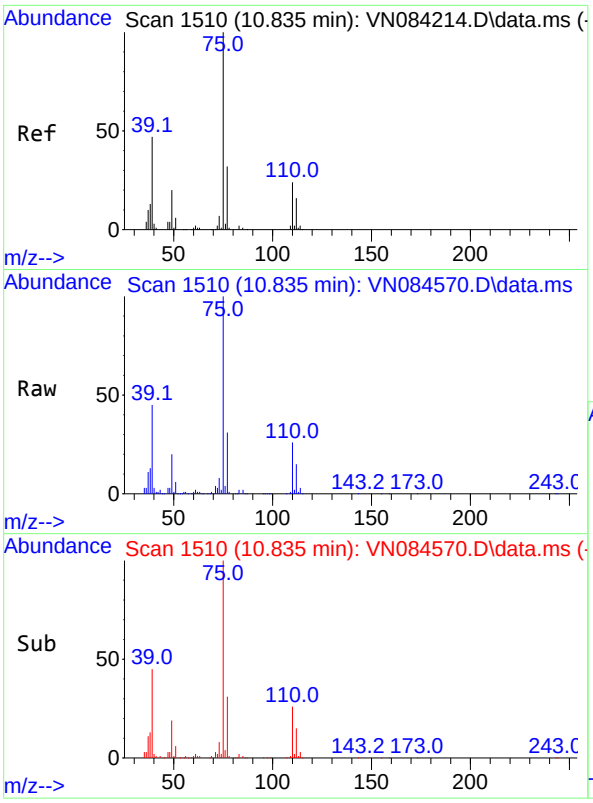


#52
Toluene
Concen: 104.696 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 92 Resp: 570832

Ion	Ratio	Lower	Upper
92	100		
91	171.3	137.3	205.9



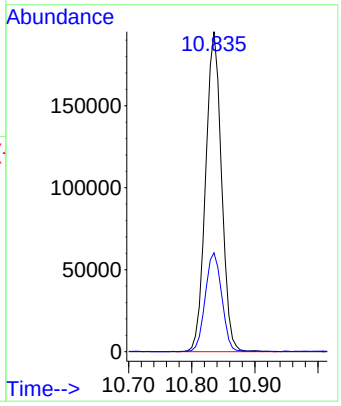


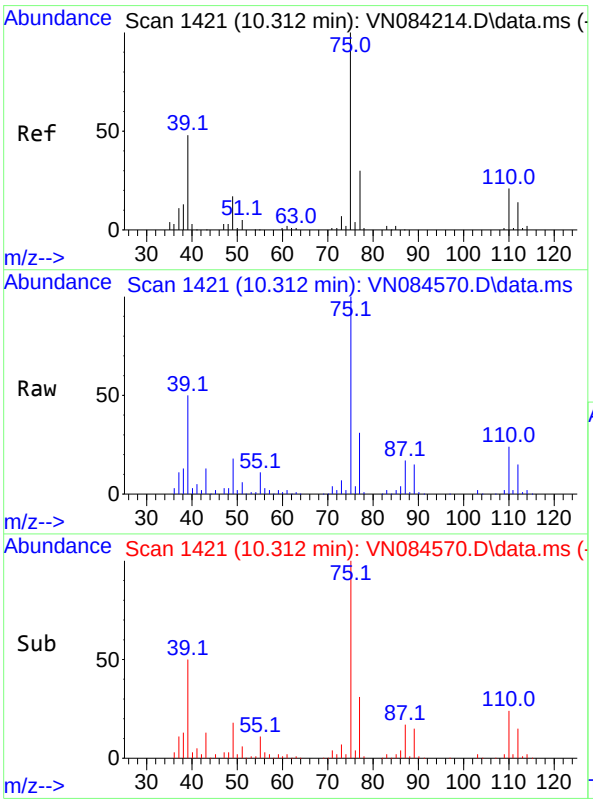
#53
t-1,3-Dichloropropene
Concen: 101.334 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 341196

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0

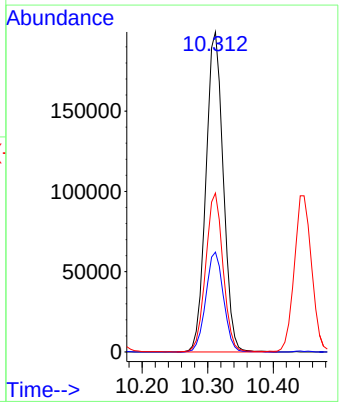


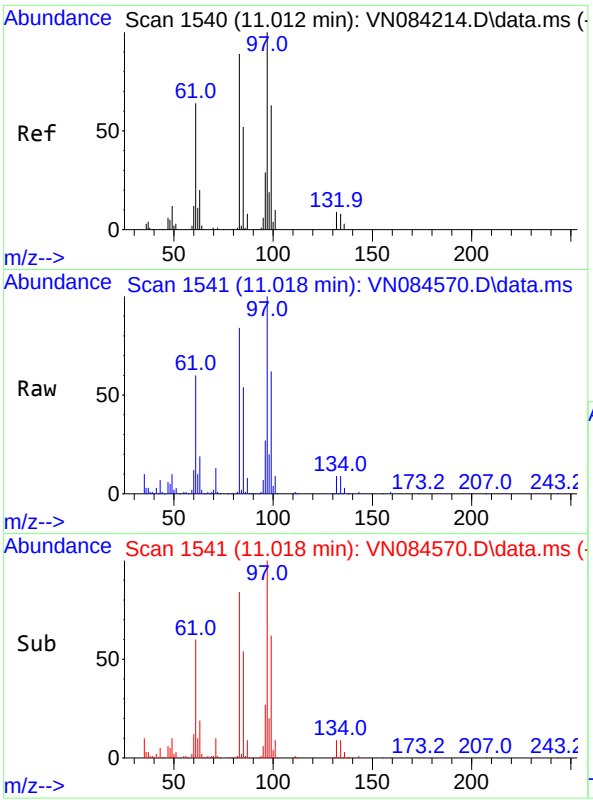


#54
cis-1,3-Dichloropropene
Concen: 102.804 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 75 Resp: 366358

Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.2	36.2
39	49.7	38.7	58.1



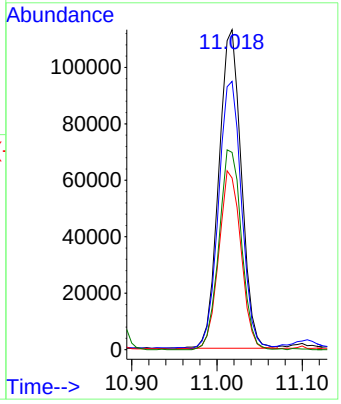


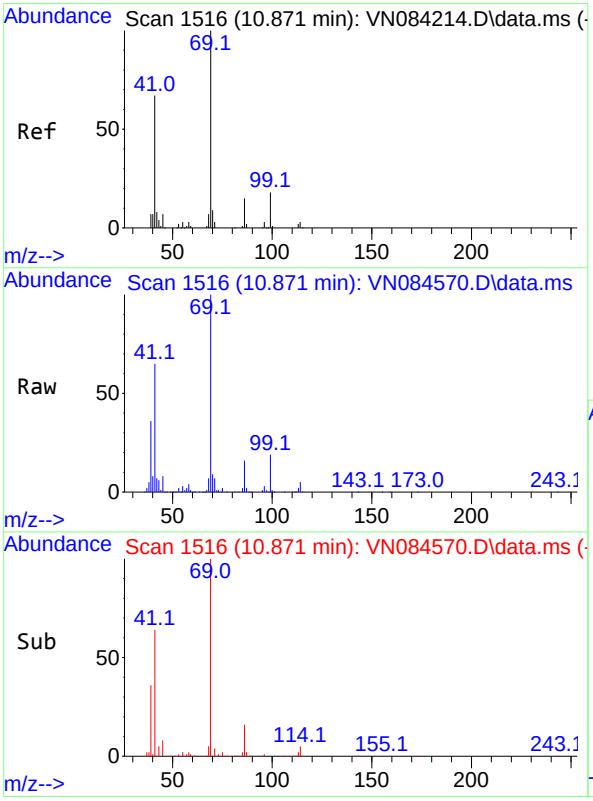
#55
1,1,2-Trichloroethane
Concen: 101.124 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 207689

Ion	Ratio	Lower	Upper
97	100		
83	83.6	71.0	106.4
85	53.7	41.7	62.5
99	61.9	50.1	75.1

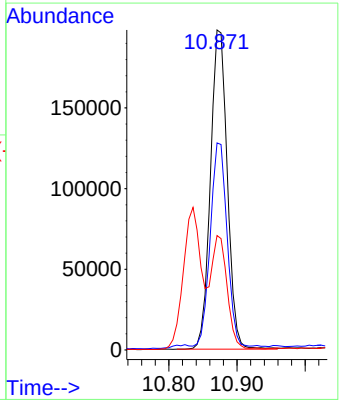


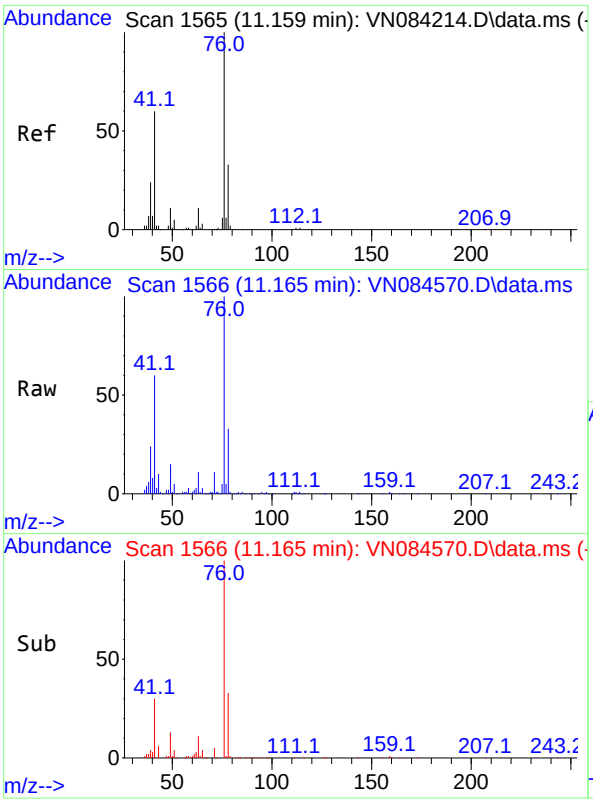


#56
Ethyl methacrylate
Concen: 114.573 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 69 Resp: 340367

Ion	Ratio	Lower	Upper
69	100		
41	63.6	53.3	79.9
39	34.5	28.8	43.2



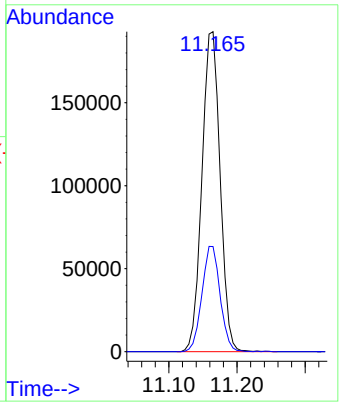


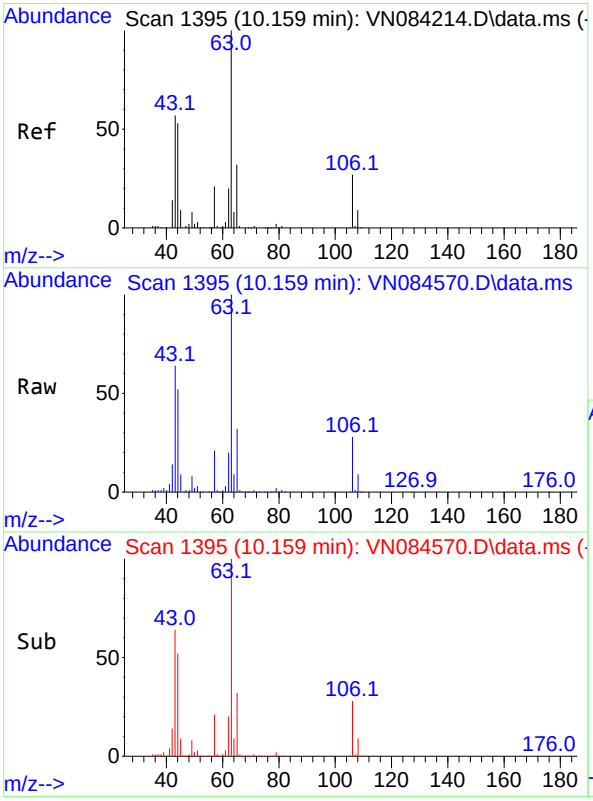
#57
1,3-Dichloropropane
Concen: 101.320 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 357131

Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.6

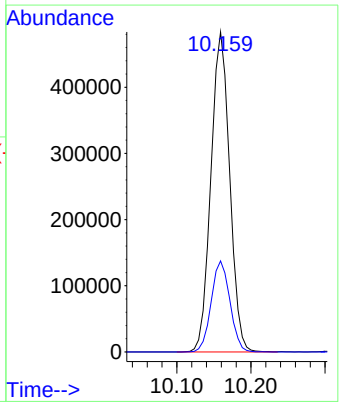


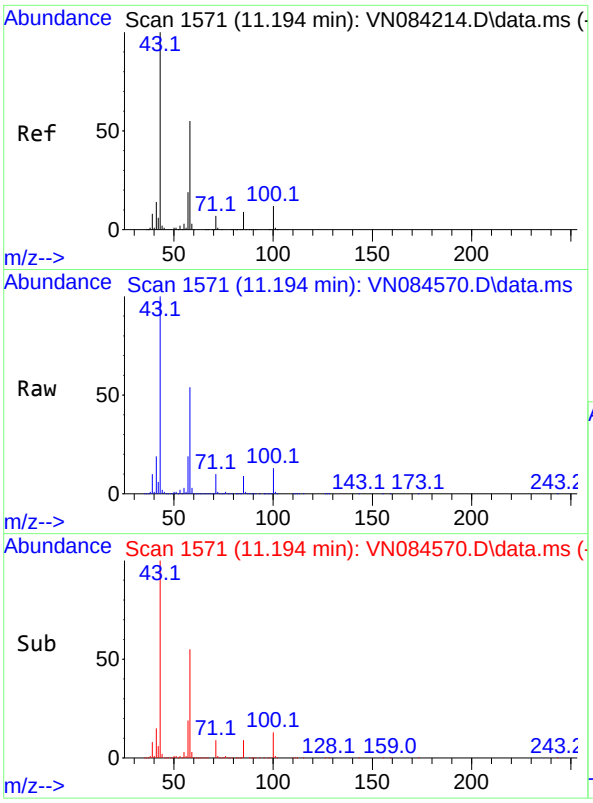


#58
2-Chloroethyl Vinyl ether
Concen: 611.330 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 63 Resp: 849817

Ion	Ratio	Lower	Upper
63	100		
106	28.4	21.8	32.6



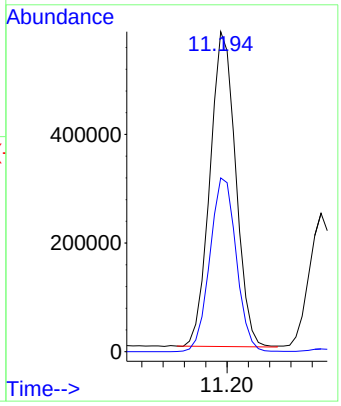


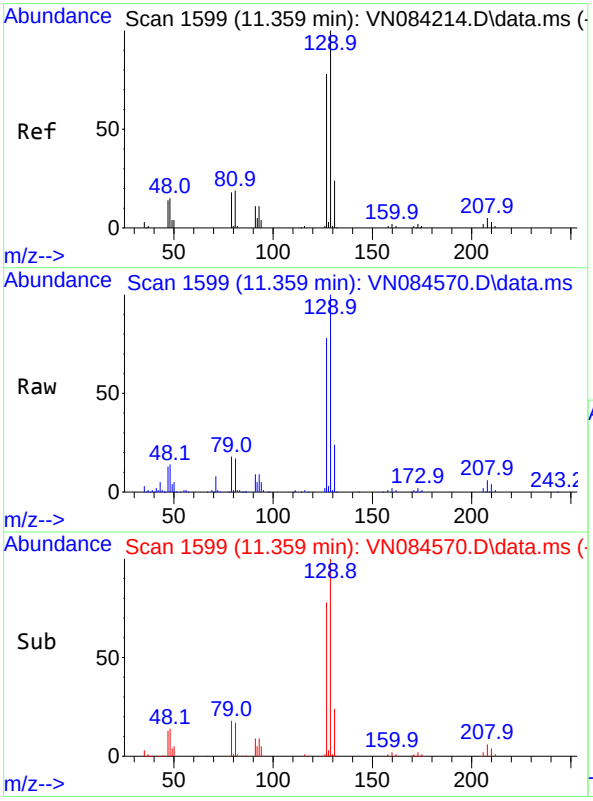
#59
2-Hexanone
Concen: 531.346 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 971064

Ion	Ratio	Lower	Upper
43	100		
58	56.6	27.3	81.8

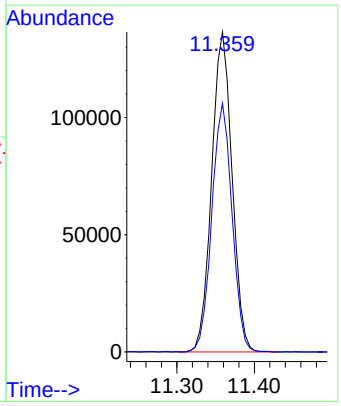


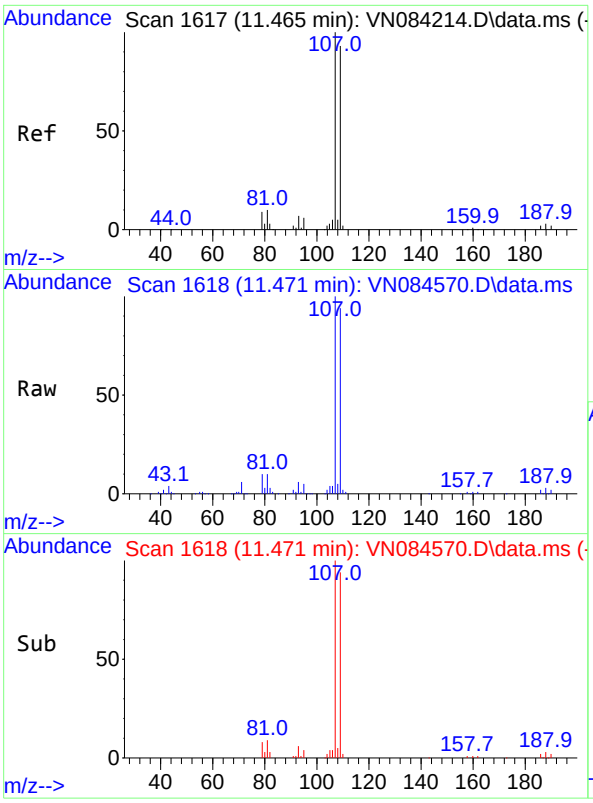


#60
Dibromochloromethane
Concen: 106.691 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:129 Resp: 249733

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.3	114.9



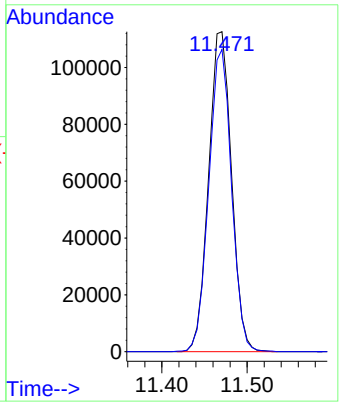


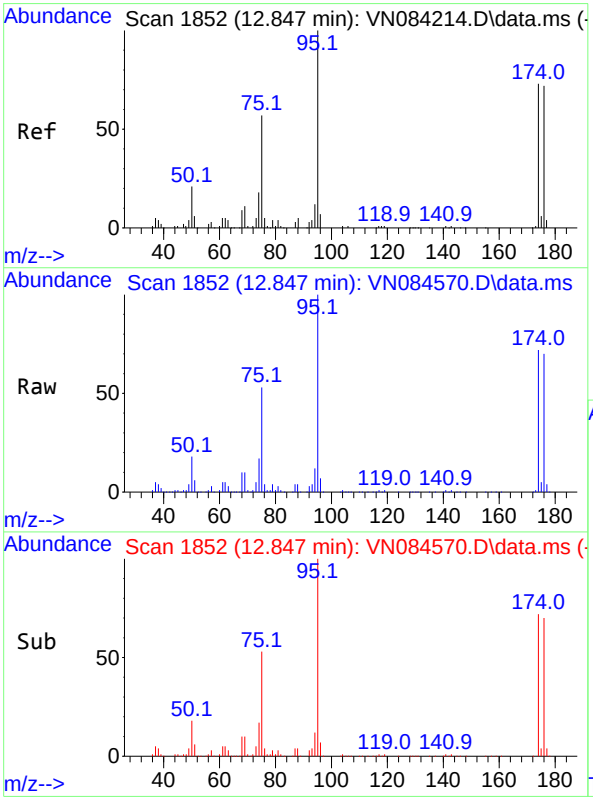
#61
1,2-Dibromoethane
Concen: 99.870 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 210043

Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.4	113.0

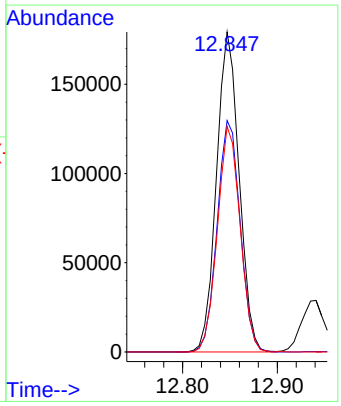


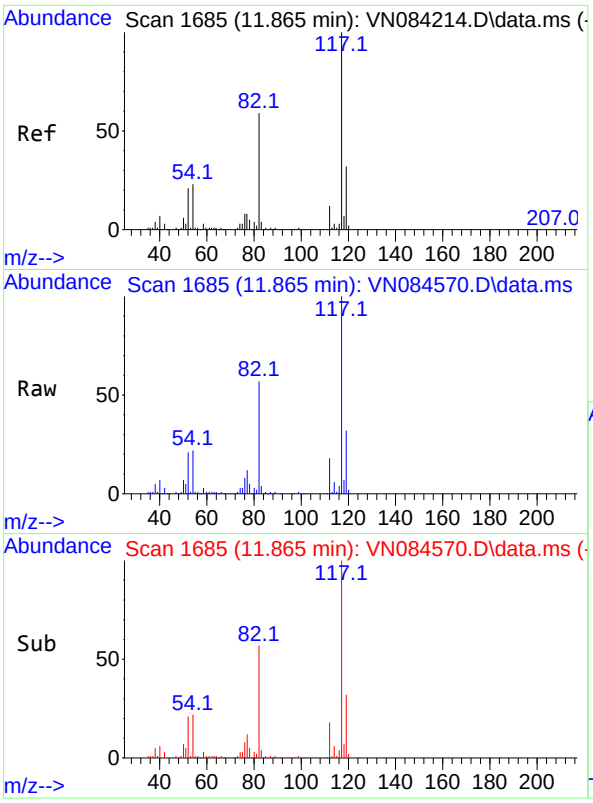


#62
4-Bromofluorobenzene
Concen: 103.292 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 95 Resp: 297647

Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	145.2
176	70.7	0.0	140.0



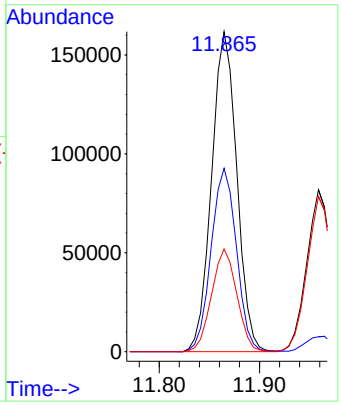


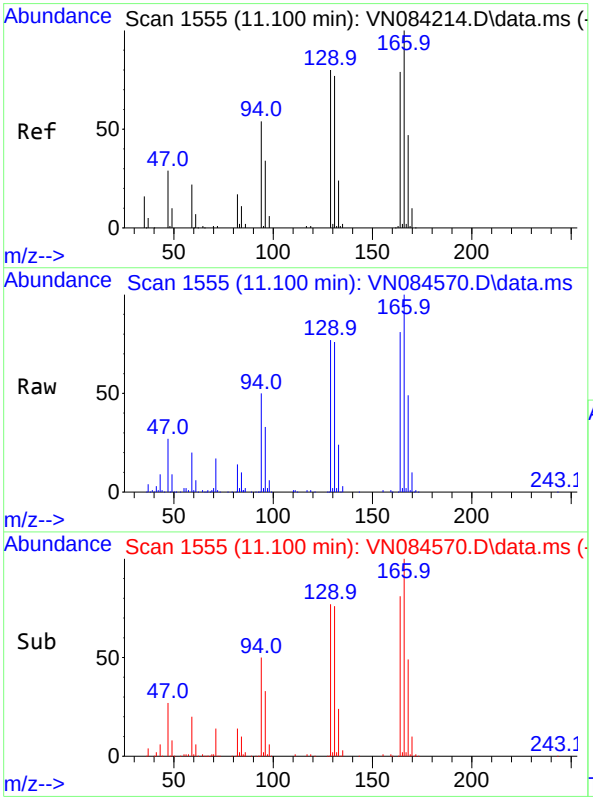
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 282514

Ion	Ratio	Lower	Upper
117	100		
82	57.3	47.2	70.8
119	32.1	25.4	38.0

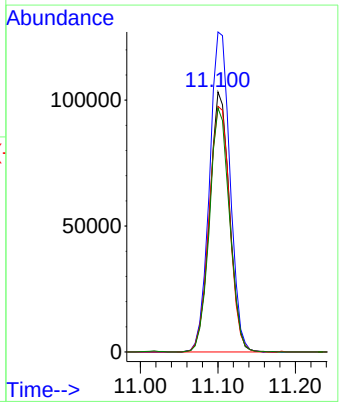


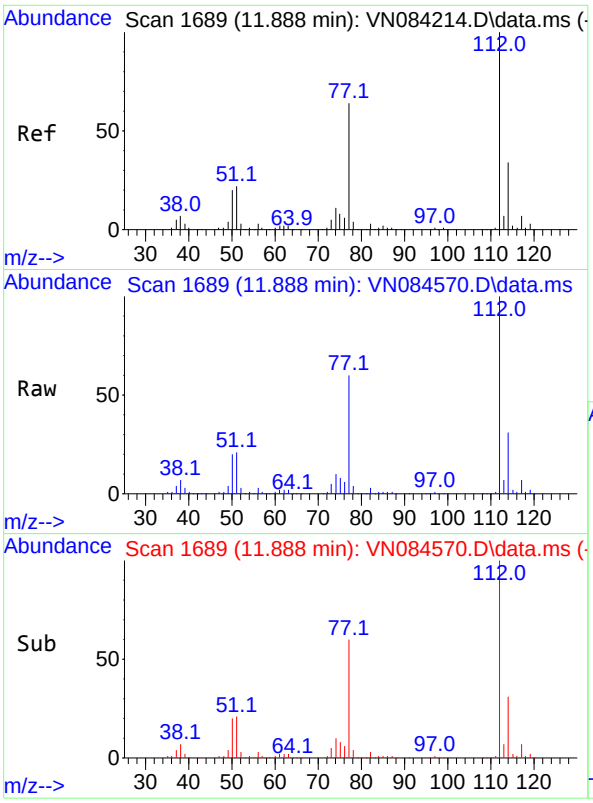


#64
Tetrachloroethene
Concen: 98.169 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:164 Resp: 184478

Ion	Ratio	Lower	Upper
164	100		
166	123.1	101.0	151.4
129	94.5	80.8	121.2
131	93.8	78.1	117.1



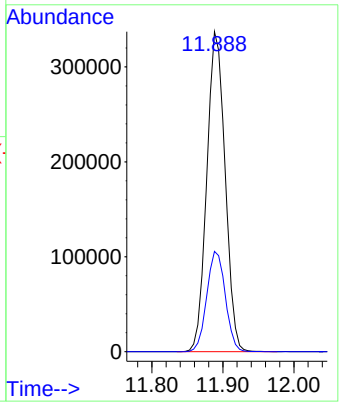


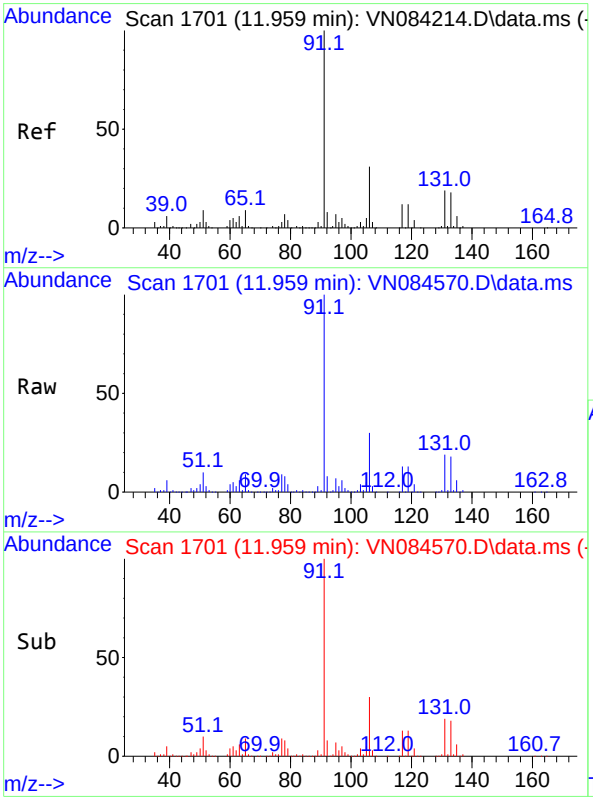
#65
Chlorobenzene
Concen: 95.500 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 603595

Ion	Ratio	Lower	Upper
112	100		
114	31.4	27.0	40.6

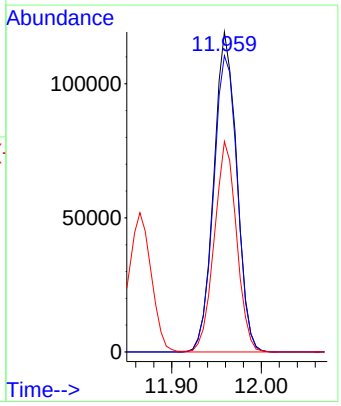


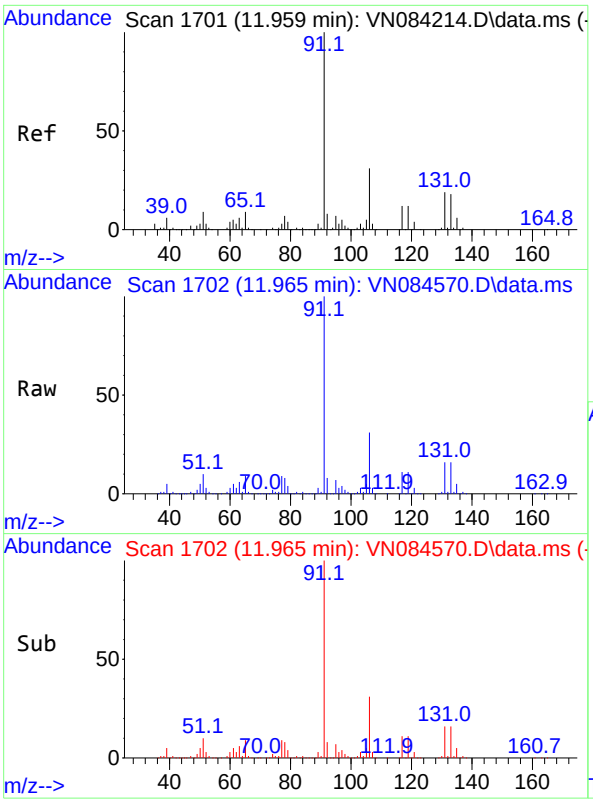


#66
1,1,1,2-Tetrachloroethane
Concen: 96.458 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:131 Resp: 212055

Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.9	143.7
119	63.9	32.8	98.3



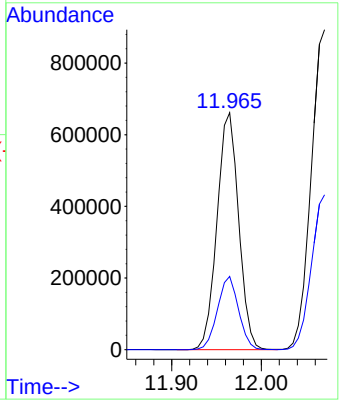


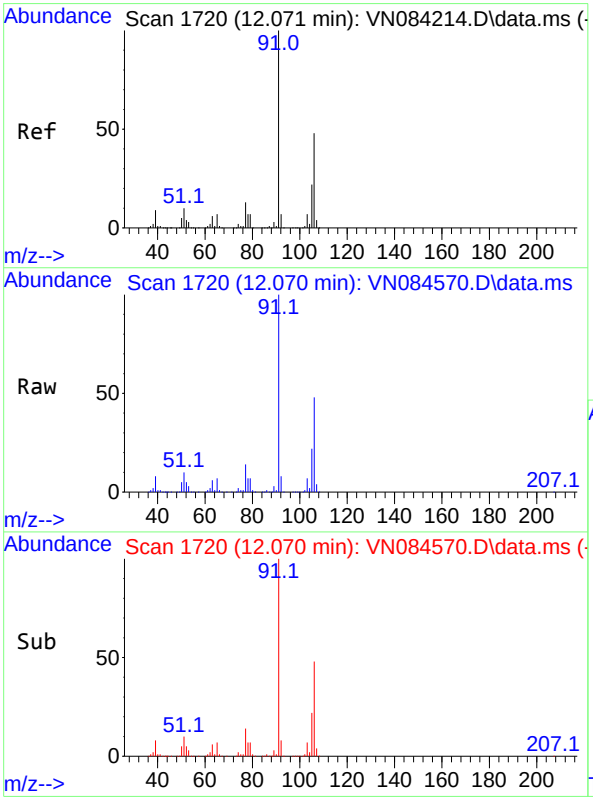
#67
Ethyl Benzene
Concen: 104.837 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1106035

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.5	36.7

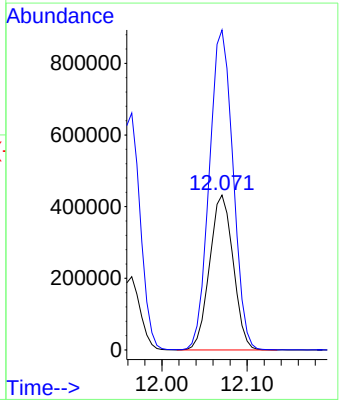


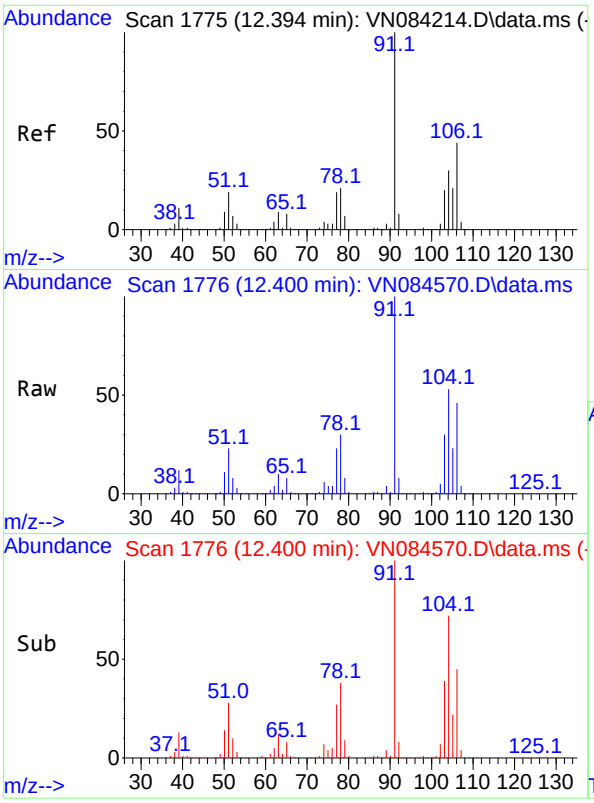


#68
m/p-Xylenes
Concen: 208.419 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:106 Resp: 832448

Ion	Ratio	Lower	Upper
106	100		
91	208.0	167.1	250.7



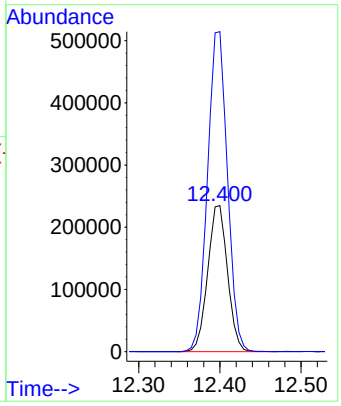


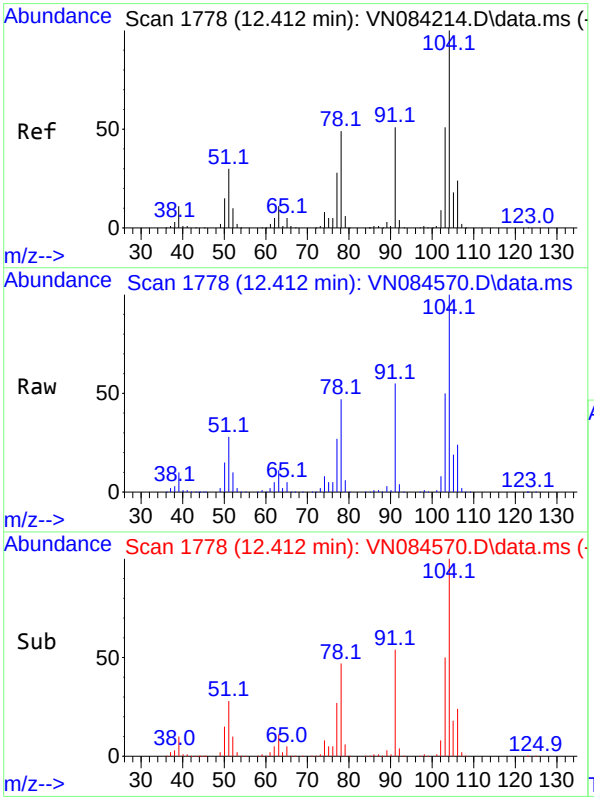
#69
o-Xylene
Concen: 106.372 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 397449

Ion	Ratio	Lower	Upper
106	100		
91	220.8	110.2	330.6

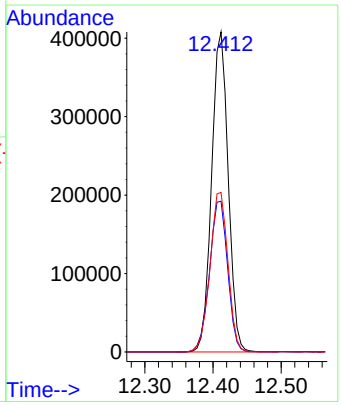


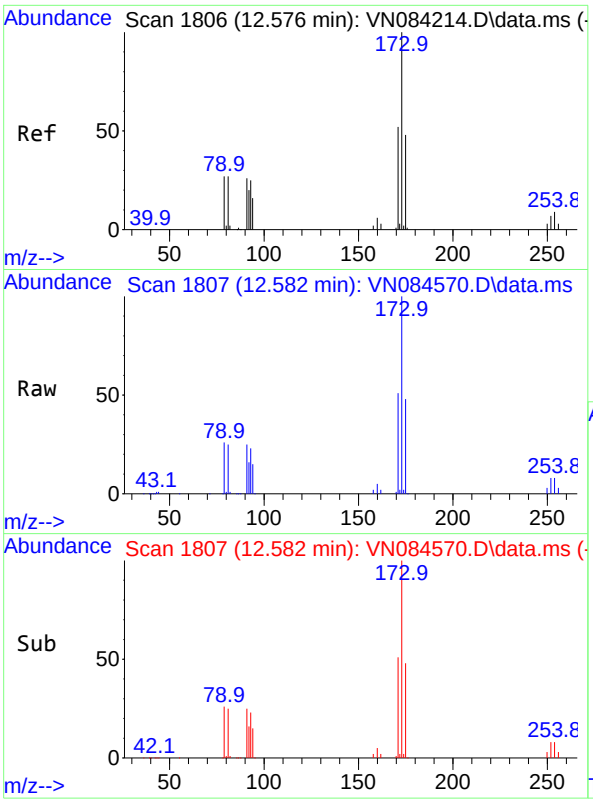


#70
Styrene
Concen: 106.042 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:104 Resp: 691175

Ion	Ratio	Lower	Upper
104	100		
78	51.5	42.7	64.1
103	54.0	43.6	65.4



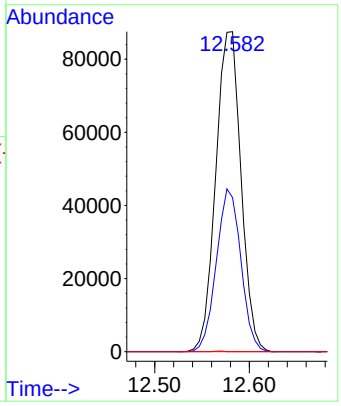


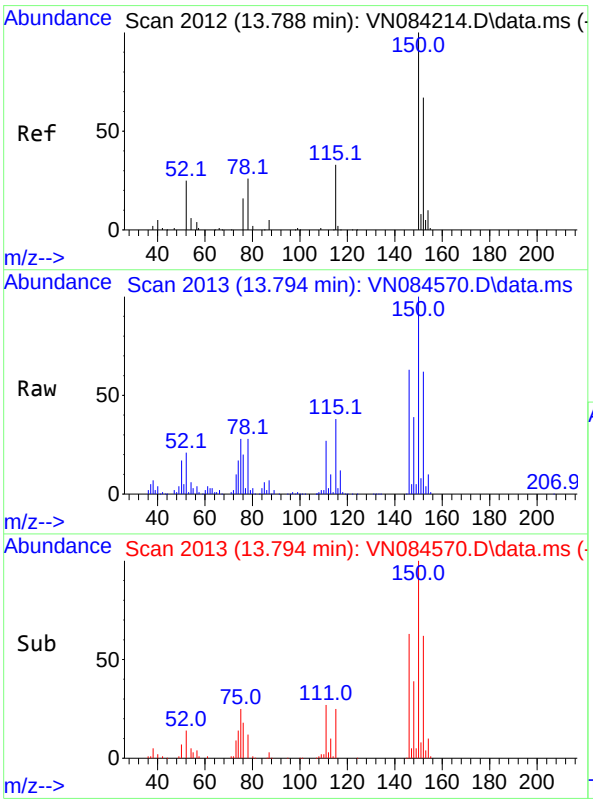
#71
Bromoform
Concen: 98.044 ug/l
RT: 12.582 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 162189

Ion	Ratio	Lower	Upper
173	100		
175	49.3	23.5	70.6
254	0.1	0.0	0.0#

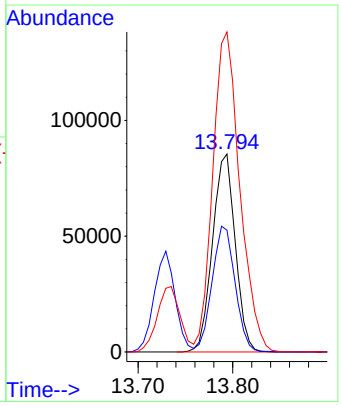


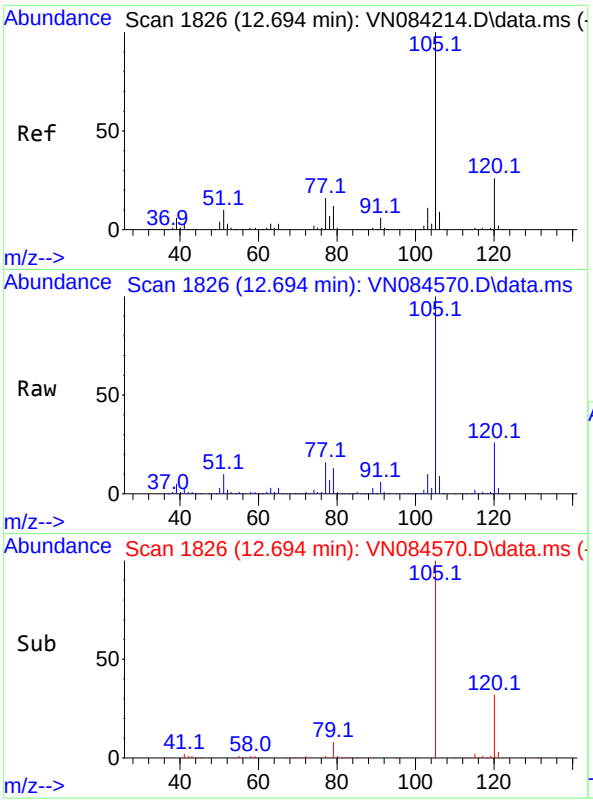


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:152 Resp: 142702

Ion	Ratio	Lower	Upper
152	100		
115	64.2	31.3	93.9
150	191.6	0.0	349.8



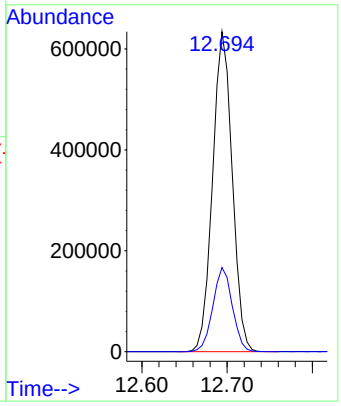


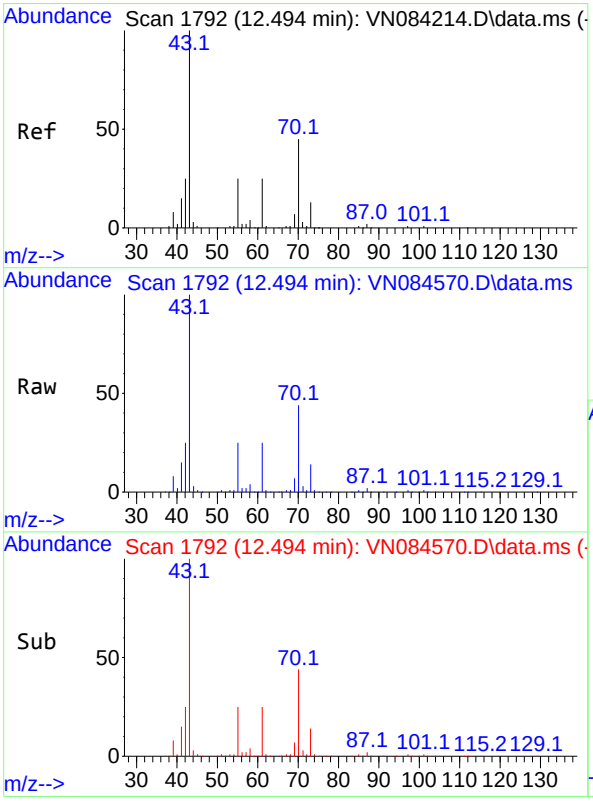
#73
Isopropylbenzene
Concen: 101.533 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1015352

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.9	38.7

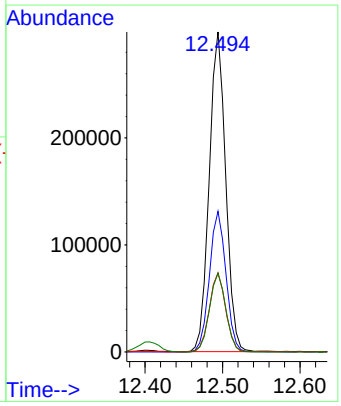


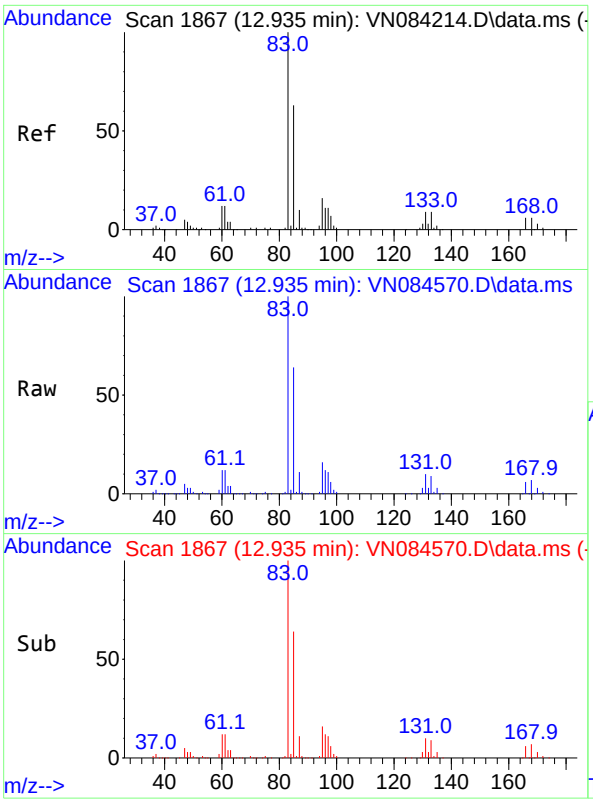


#74
N-amyl acetate
Concen: 103.666 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 43 Resp: 441232

Ion	Ratio	Lower	Upper
43	100		
70	44.2	34.4	51.6
55	25.0	19.6	29.4
61	24.4	19.6	29.4



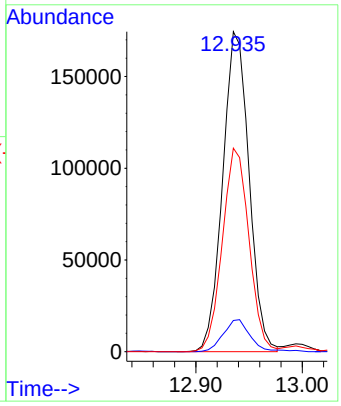


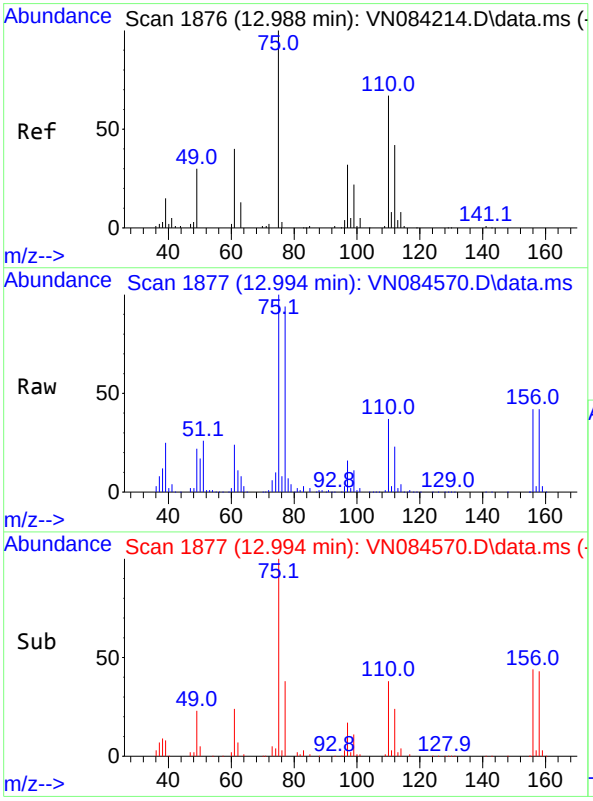
#75
1,1,2,2-Tetrachloroethane
Concen: 89.924 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 300162

Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.9	14.7
85	64.0	31.9	95.7

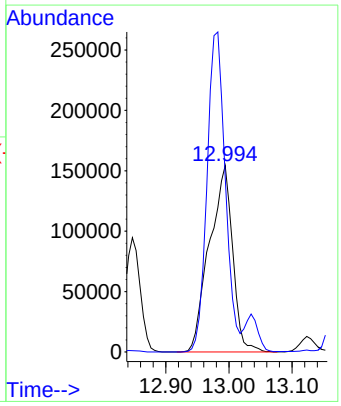


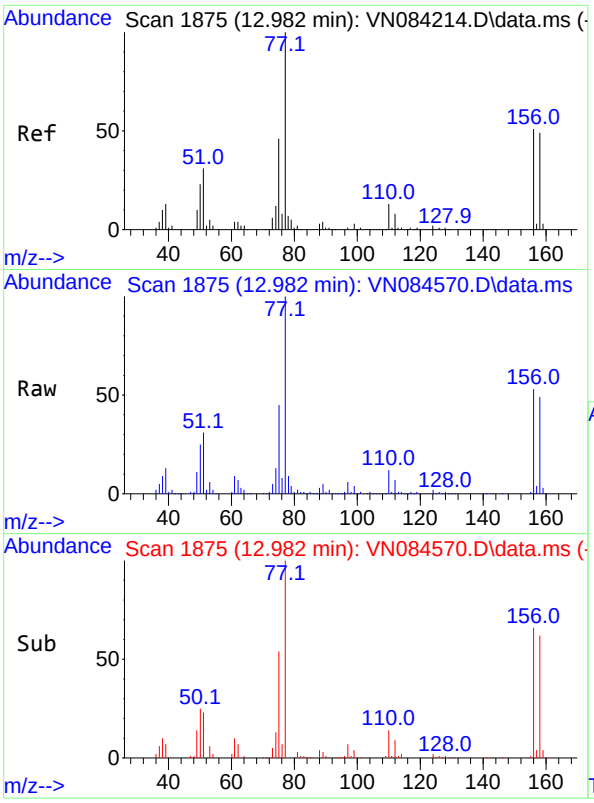


#76
1,2,3-Trichloropropane
Concen: 140.005 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 75 Resp: 394250

Ion	Ratio	Lower	Upper
75	100		
77	135.2	96.9	290.7



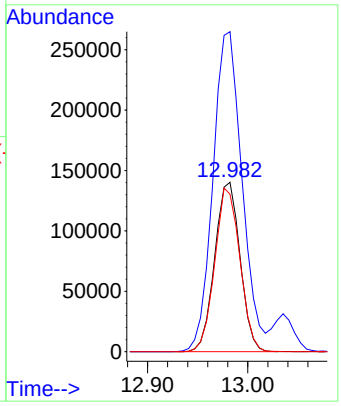


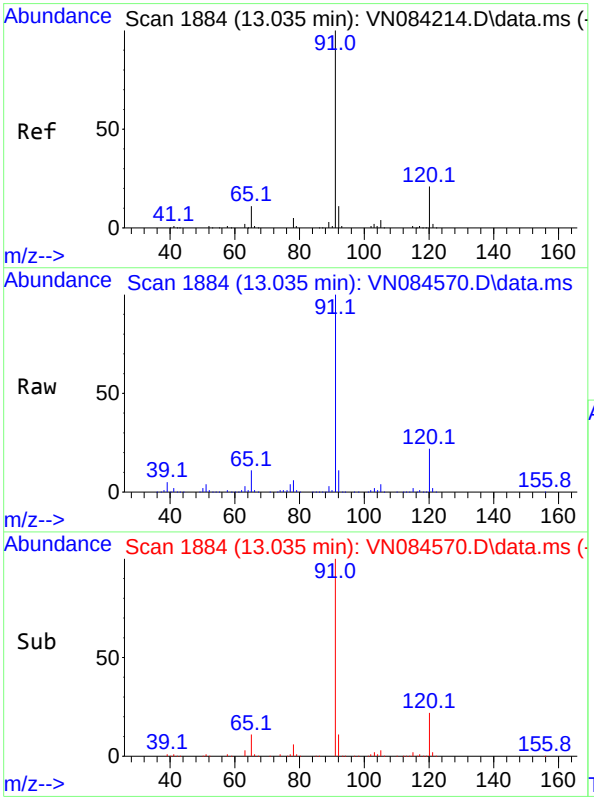
#77
Bromobenzene
Concen: 91.341 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 245558

Ion	Ratio	Lower	Upper
156	100		
77	217.0	115.1	345.3
158	96.1	48.9	146.8

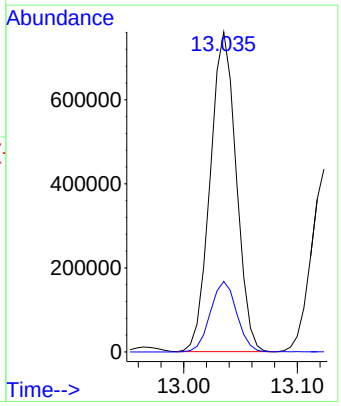


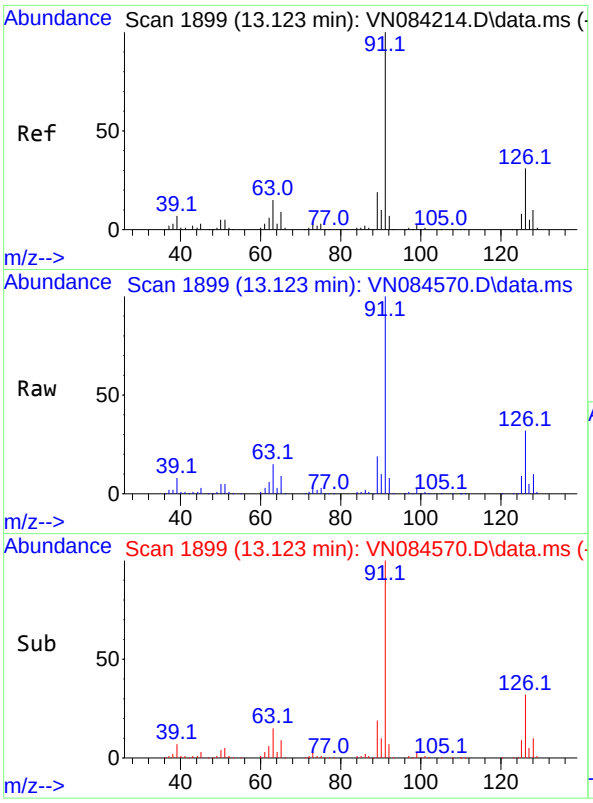


#78
n-propylbenzene
Concen: 103.100 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 91 Resp: 1208185

Ion	Ratio	Lower	Upper
91	100		
120	22.3	10.8	32.4



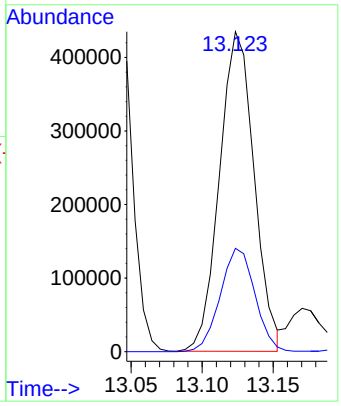


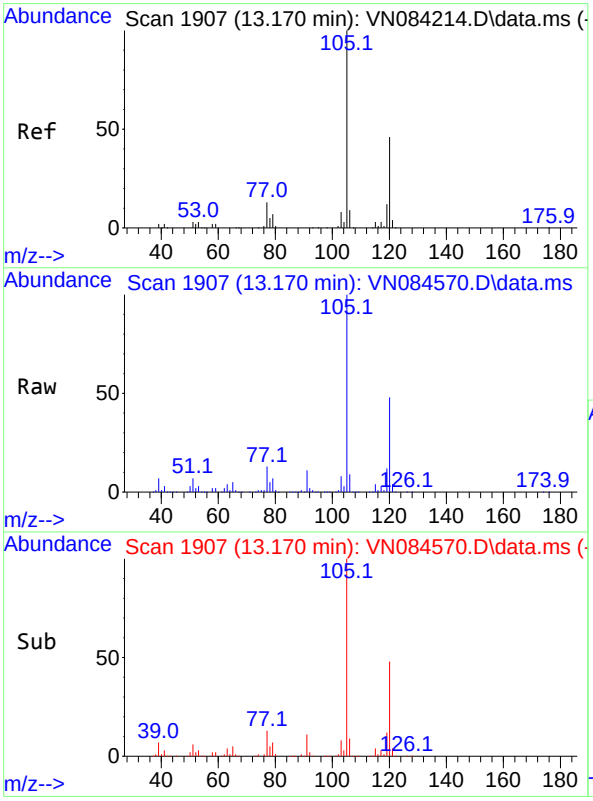
#79
2-Chlorotoluene
Concen: 96.217 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 736738

Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.7	47.1

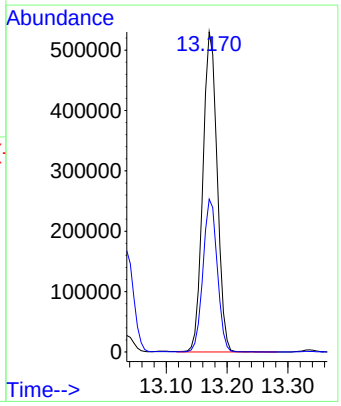


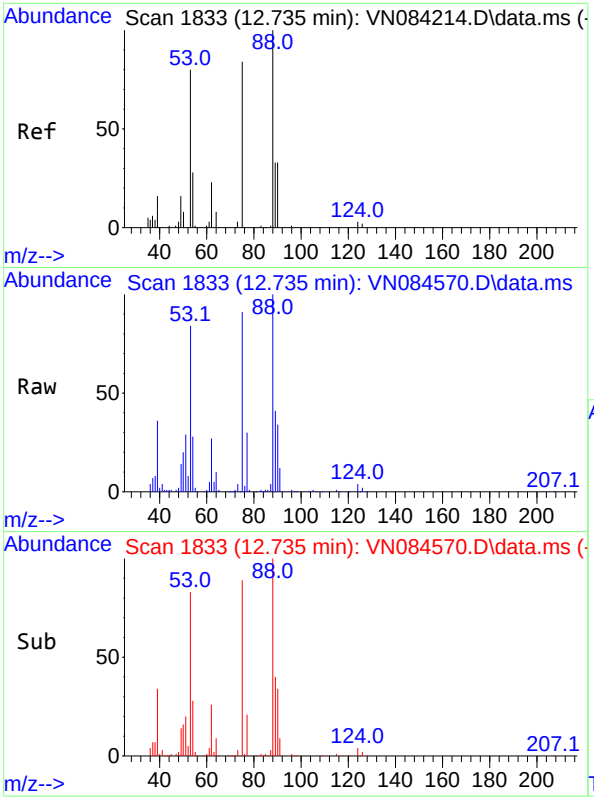


#80
1,3,5-Trimethylbenzene
Concen: 104.573 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:105 Resp: 866736

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.7	71.1



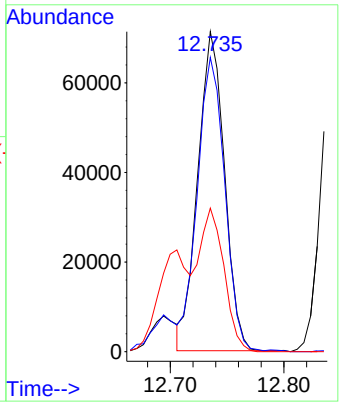


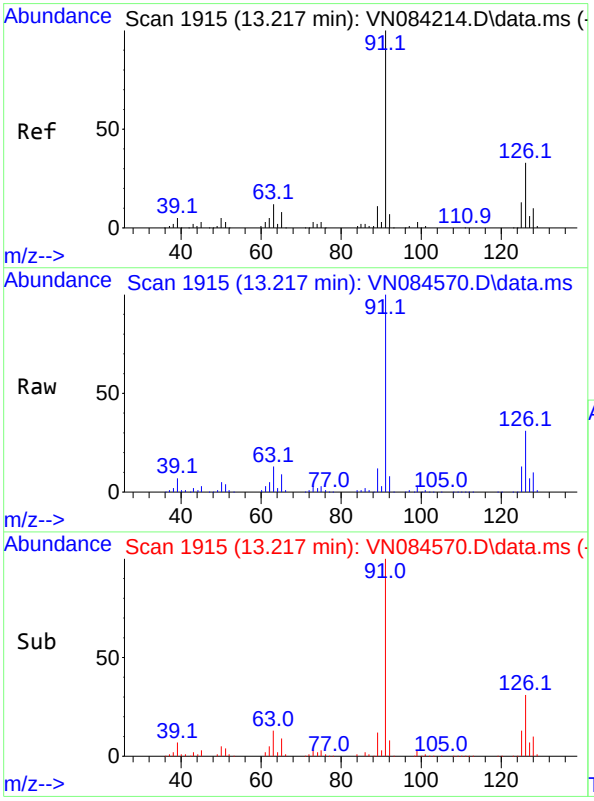
#81
trans-1,4-Dichloro-2-butene
Concen: 96.347 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 115847

Ion	Ratio	Lower	Upper
75	100		
53	95.8	78.0	117.0
89	42.4	35.5	53.3

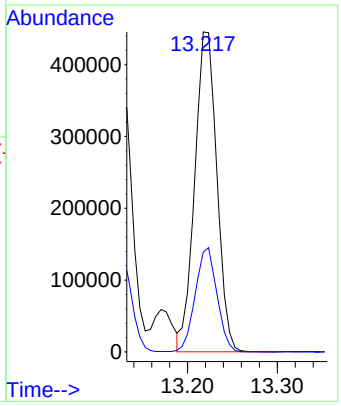


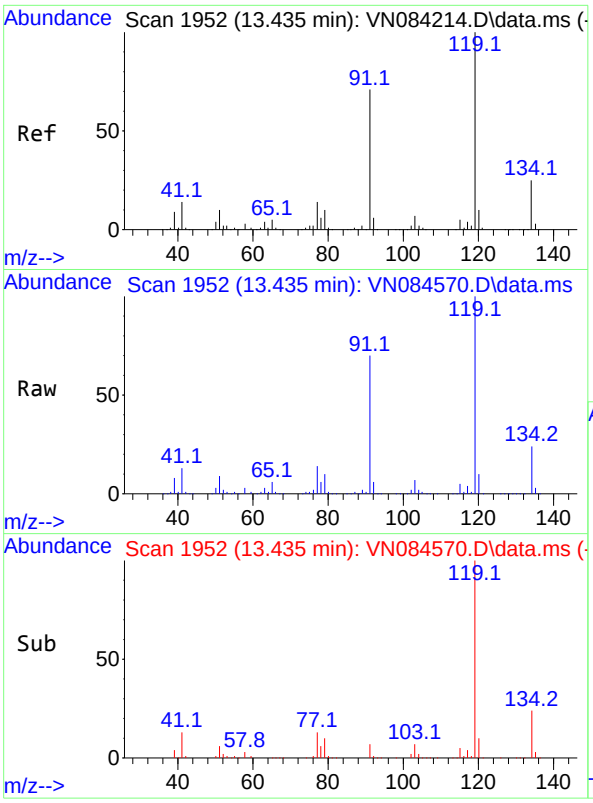


#82
4-Chlorotoluene
Concen: 94.462 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 91 Resp: 761196

Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.7	47.1



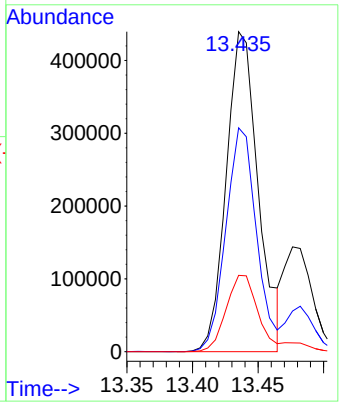


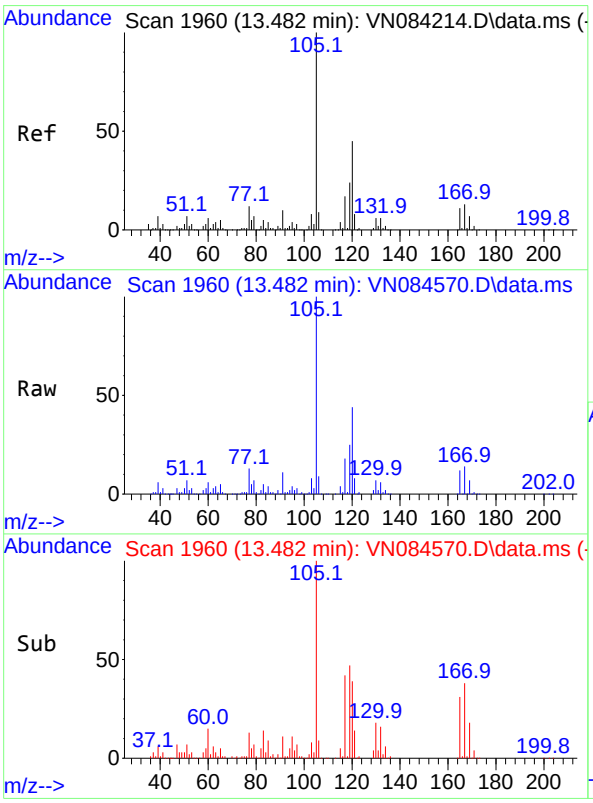
#83
tert-Butylbenzene
Concen: 108.888 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 746926

Ion	Ratio	Lower	Upper
119	100		
91	67.1	34.1	102.3
134	25.9	12.8	38.4

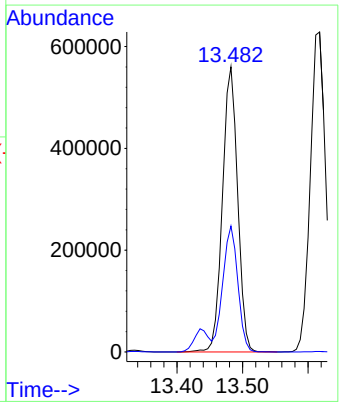


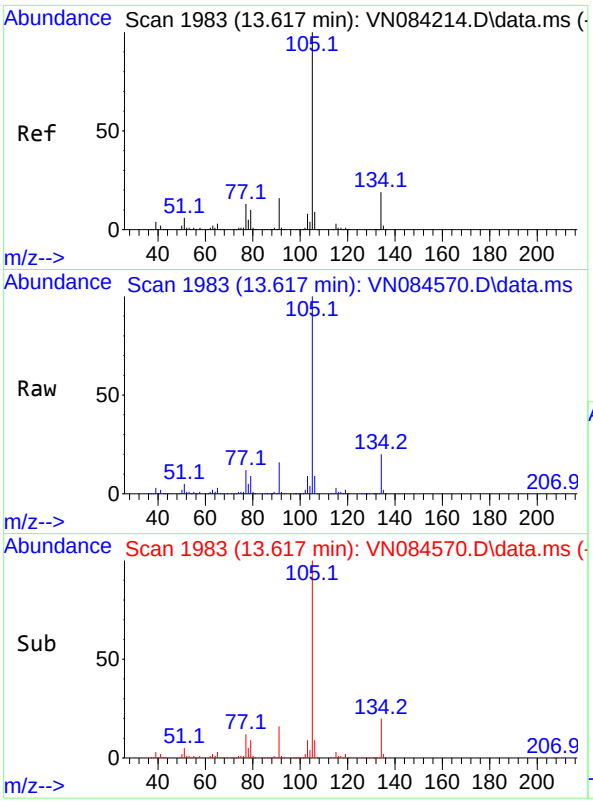


#84
1,2,4-Trimethylbenzene
Concen: 105.136 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:105 Resp: 899374

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.3	66.8



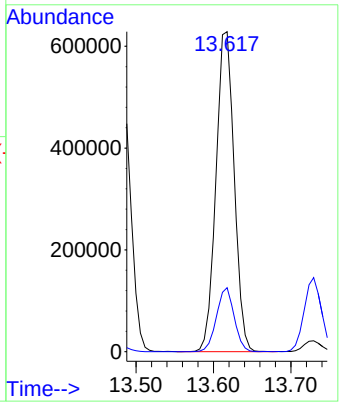


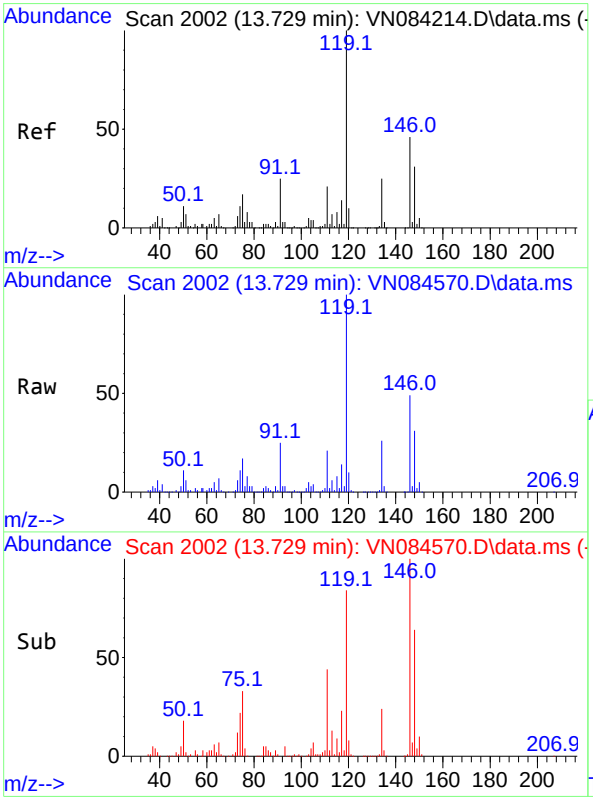
#85
sec-Butylbenzene
Concen: 106.032 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1027413

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

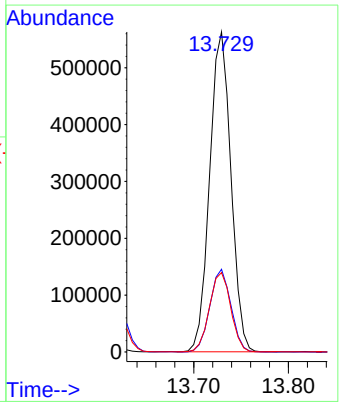


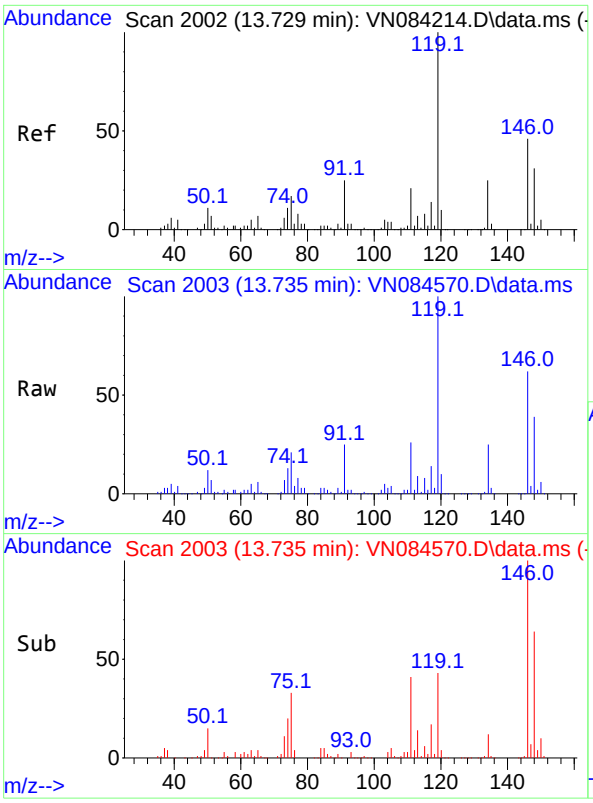


#86
p-Isopropyltoluene
Concen: 110.451 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:119 Resp: 877717

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.6	37.8
91	24.9	12.4	37.2



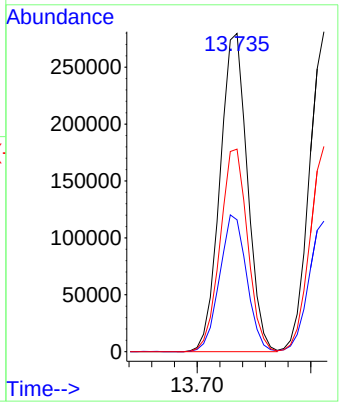


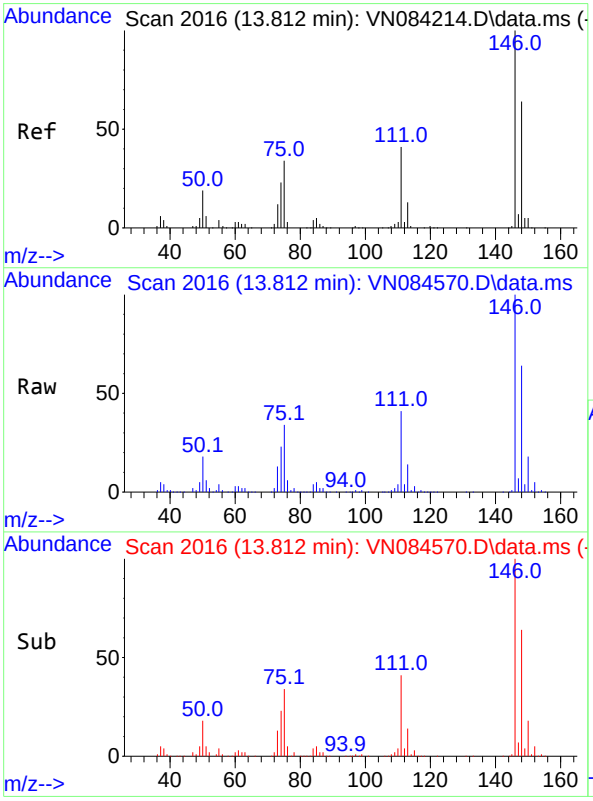
#87
1,3-Dichlorobenzene
Concen: 89.320 ug/l
RT: 13.735 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 468620

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.8	65.3
148	63.8	31.9	95.7

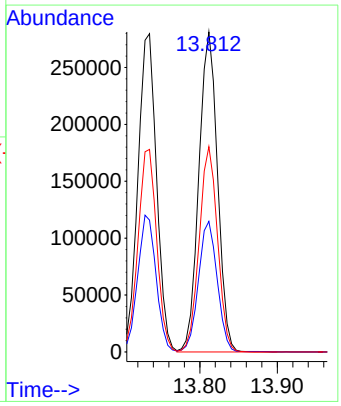


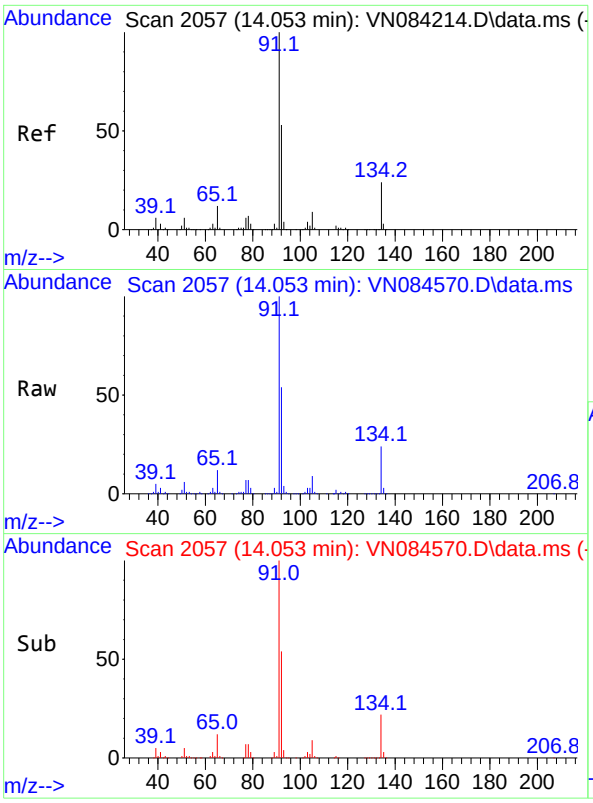


#88
1,4-Dichlorobenzene
Concen: 100.067 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:146 Resp: 469714

Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.2	63.6
148	63.1	31.9	95.9



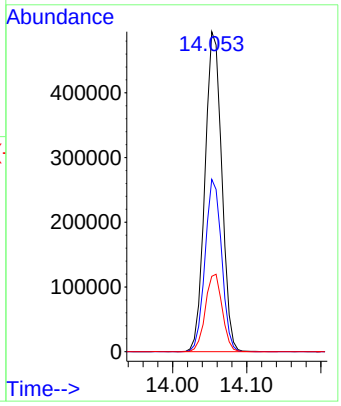


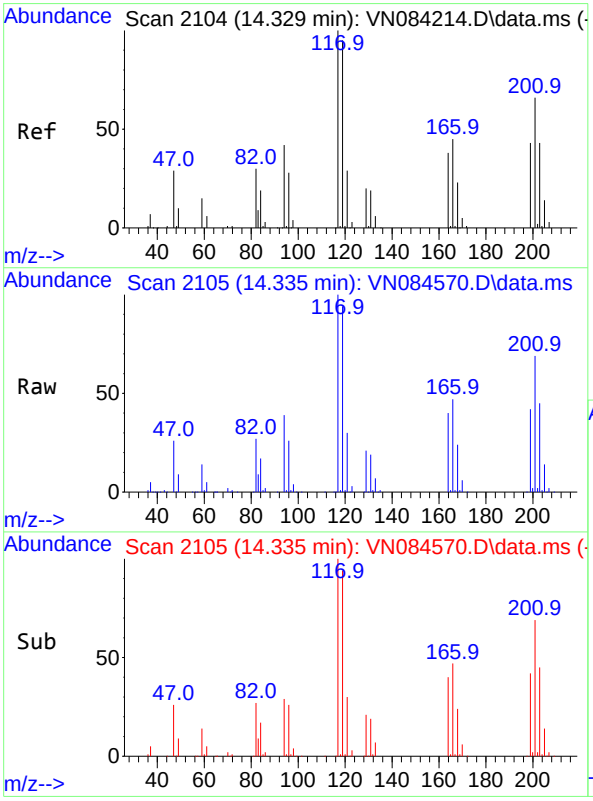
#89
n-Butylbenzene
Concen: 104.727 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 778487

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.7
134	24.3	12.3	36.9

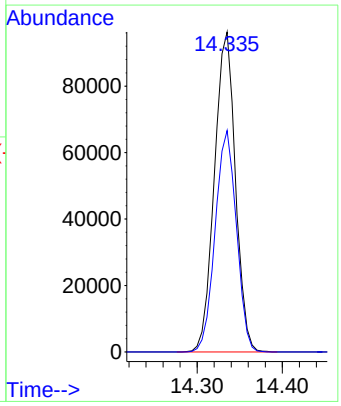


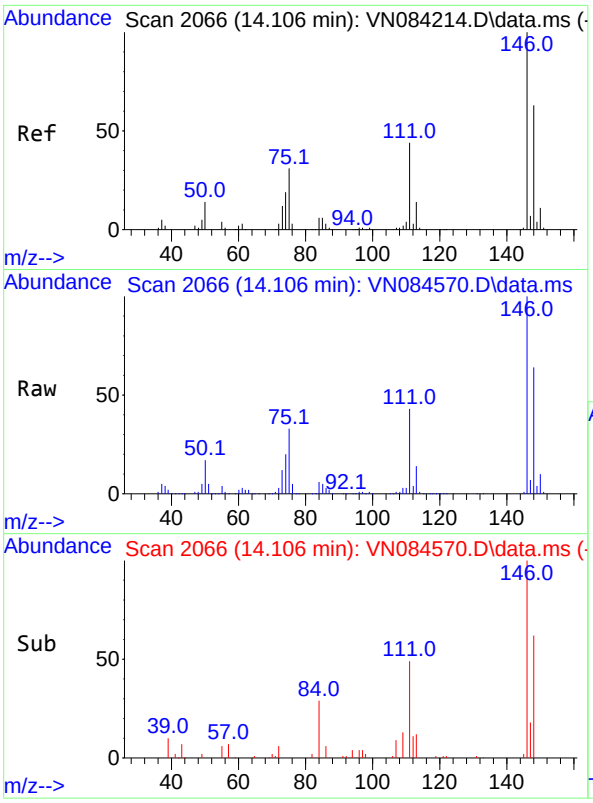


#90
Hexachloroethane
Concen: 93.123 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:117 Resp: 165030

Ion	Ratio	Lower	Upper
117	100		
201	69.8	34.4	103.2



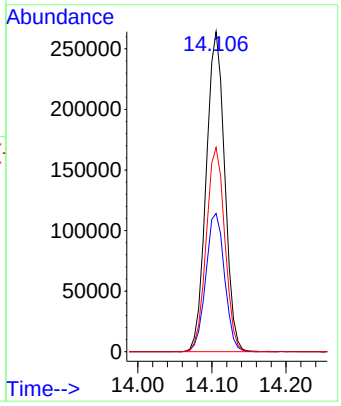


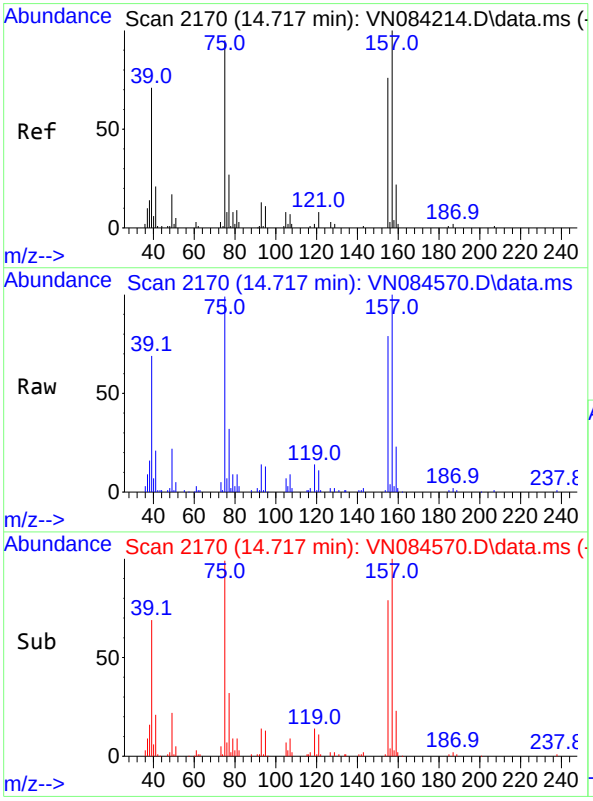
#91
1,2-Dichlorobenzene
Concen: 90.631 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 456925

Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.0	66.0
148	64.2	32.1	96.3

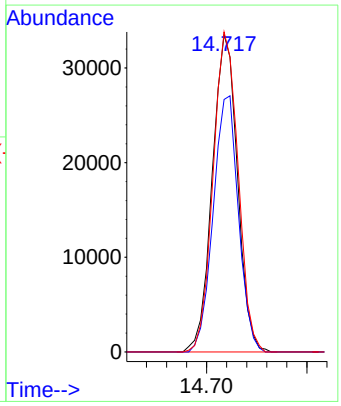


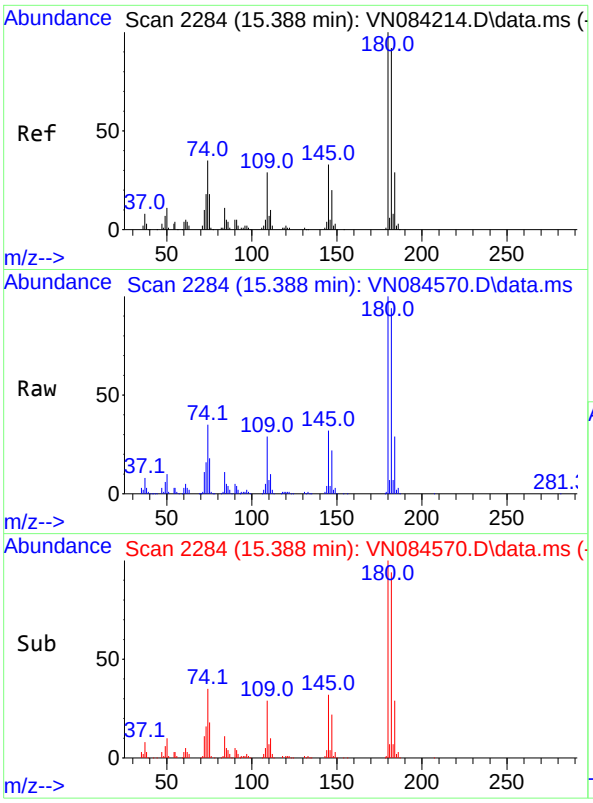


#92
1,2-Dibromo-3-Chloropropane
Concen: 86.136 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 75 Resp: 58247

Ion	Ratio	Lower	Upper
75	100		
155	81.0	38.1	114.5
157	100.4	49.6	149.0



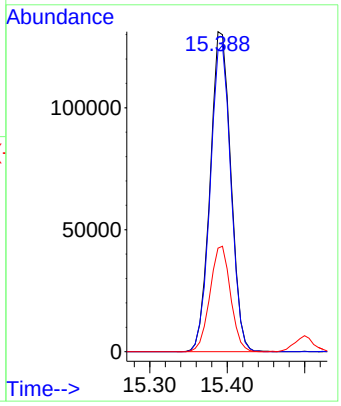


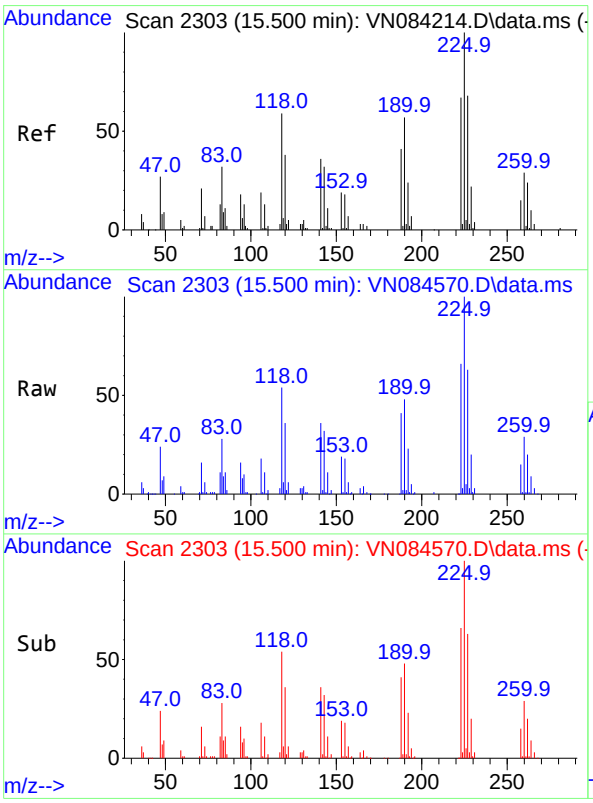
#93
1,2,4-Trichlorobenzene
Concen: 88.091 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 243087

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.0	141.0
145	32.9	16.4	49.4

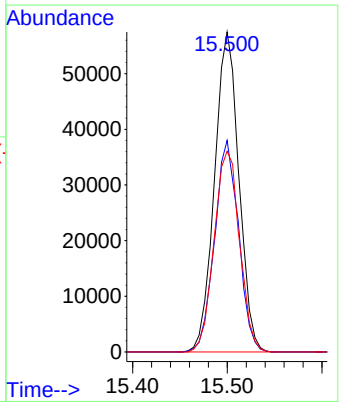


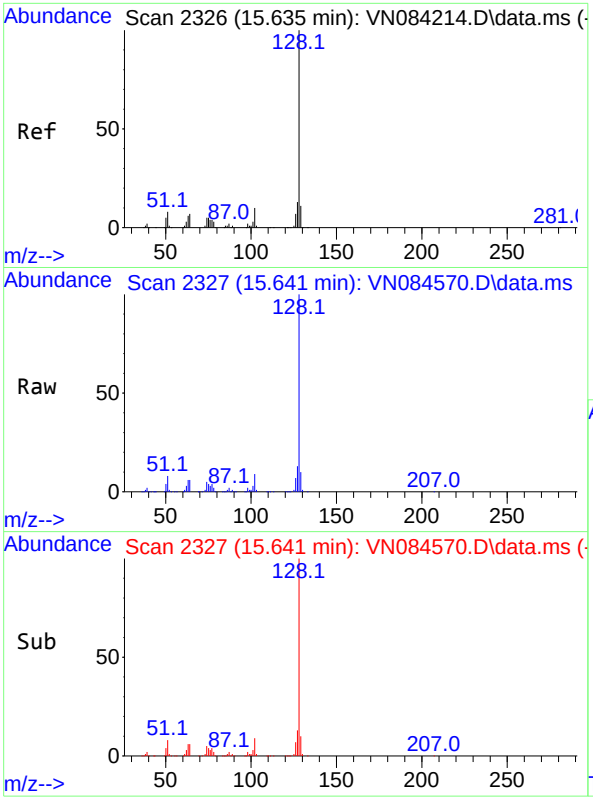


#94
Hexachlorobutadiene
Concen: 84.631 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:225 Resp: 102558

Ion	Ratio	Lower	Upper
225	100		
223	65.1	32.4	97.2
227	65.6	32.4	97.0



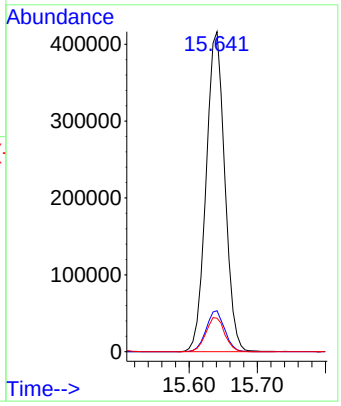


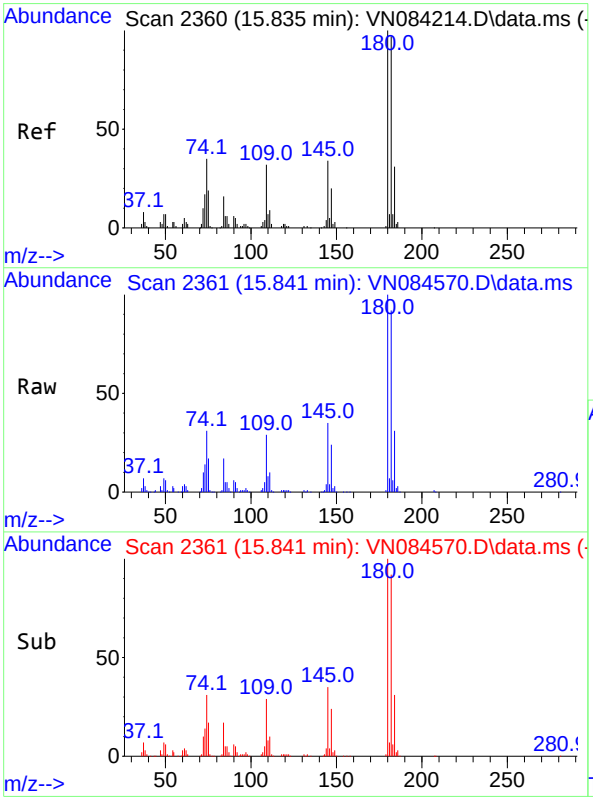
#95
Naphthalene
Concen: 95.997 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 792903

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.8	8.7	13.1

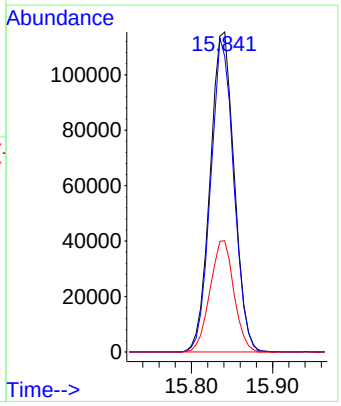




#96
1,2,3-Trichlorobenzene
Concen: 88.667 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:180 Resp: 237515

Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.2	144.6
145	34.6	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	186594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	311554	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	279228	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	138307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	134521	49.914	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.820%			
35) Dibromofluoromethane	8.165	113	107131	50.801	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.600%			
50) Toluene-d8	10.565	98	405874	52.247	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.500%			
62) 4-Bromofluorobenzene	12.847	95	153622	52.913	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	103092	48.061	ug/l	97
3) Chloromethane	2.365	50	125344	49.788	ug/l	95
4) Vinyl Chloride	2.512	62	112961	48.962	ug/l	95
5) Bromomethane	2.901	94	55194	45.153	ug/l	100
6) Chloroethane	3.071	64	70126	49.078	ug/l	96
7) Trichlorofluoromethane	3.471	101	178947	47.086	ug/l	97
8) Diethyl Ether	3.953	74	65946	49.190	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.353	101	103864	48.366	ug/l	98
10) Methyl Iodide	4.583	142	137274	47.829	ug/l	97
11) Tert butyl alcohol	5.536	59	80598	226.565	ug/l	100
12) 1,1-Dichloroethene	4.324	96	100445	47.270	ug/l	96
13) Acrolein	4.171	56	82129	231.524	ug/l	99
14) Allyl chloride	5.012	41	171045	49.635	ug/l	92
15) Acrylonitrile	5.718	53	252853	245.525	ug/l	98
16) Acetone	4.424	43	189949	243.925	ug/l	99
17) Carbon Disulfide	4.700	76	299041	45.698	ug/l	99
18) Methyl Acetate	5.024	43	139826	49.097	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	328099	50.376	ug/l	97
20) Methylene Chloride	5.271	84	112282	47.370	ug/l	92
21) trans-1,2-Dichloroethene	5.777	96	105050	48.146	ug/l	96
22) Diisopropyl ether	6.671	45	346126	50.549	ug/l	98
23) Vinyl Acetate	6.600	43	1212022	256.673	ug/l	99
24) 1,1-Dichloroethane	6.559	63	198817	48.362	ug/l	100
25) 2-Butanone	7.483	43	294207	233.994	ug/l	98
26) 2,2-Dichloropropane	7.483	77	175511	49.052	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	123436	48.450	ug/l	97
28) Bromochloromethane	7.812	49	95269	58.166	ug/l	95
29) Tetrahydrofuran	7.835	42	206980	248.139	ug/l	97
30) Chloroform	7.965	83	202589	48.417	ug/l	98
31) Cyclohexane	8.253	56	175038	47.043	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	184986	48.573	ug/l	98
36) 1,1-Dichloropropene	8.365	75	140593	48.071	ug/l	99
37) Ethyl Acetate	7.553	43	131332	49.493	ug/l	99
38) Carbon Tetrachloride	8.359	117	160134	48.985	ug/l	97
39) Methylcyclohexane	9.600	83	158489	53.267	ug/l	99
40) Benzene	8.600	78	451074	48.024	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	76791	53.814	ug/l		97
42) 1,2-Dichloroethane	8.665	62	153960	50.614	ug/l		100
43) Isopropyl Acetate	8.688	43	235517	48.004	ug/l		99
44) Trichloroethene	9.353	130	104498	48.241	ug/l		98
45) 1,2-Dichloropropane	9.618	63	108302	49.154	ug/l		95
46) Dibromomethane	9.706	93	76019	48.895	ug/l		97
47) Bromodichloromethane	9.888	83	162307	49.525	ug/l		97
48) Methyl methacrylate	9.677	41	107828	52.212	ug/l		98
49) 1,4-Dioxane	9.694	88	37719	1030.669	ug/l	#	82
51) 4-Methyl-2-Pentanone	10.447	43	658351	260.254	ug/l		98
52) Toluene	10.629	92	280034	50.978	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	169085	49.843	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	180909	50.386	ug/l		97
55) 1,1,2-Trichloroethane	11.018	97	102401	49.487	ug/l		98
56) Ethyl methacrylate	10.871	69	168060	56.150	ug/l		96
57) 1,3-Dichloropropane	11.159	76	175929	49.539	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	407857	291.210	ug/l		97
59) 2-Hexanone	11.194	43	485391	263.615	ug/l		98
60) Dibromochloromethane	11.359	129	122816	52.078	ug/l		98
61) 1,2-Dibromoethane	11.465	107	103901	49.034	ug/l		98
64) Tetrachloroethene	11.100	164	87457	47.088	ug/l		96
65) Chlorobenzene	11.888	112	296199	47.416	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	104844	48.252	ug/l		99
67) Ethyl Benzene	11.965	91	528107	50.646	ug/l		100
68) m/p-Xylenes	12.070	106	406816	103.053	ug/l		98
69) o-Xylene	12.394	106	192710	52.183	ug/l		99
70) Styrene	12.412	104	336570	52.245	ug/l		99
71) Bromoform	12.576	173	82245	50.303	ug/l	#	99
73) Isopropylbenzene	12.694	105	493742	50.942	ug/l		99
74) N-amyl acetate	12.494	43	211326	51.228	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	148441	45.884	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	196805	72.110	ug/l		61
77) Bromobenzene	12.982	156	122062	46.847	ug/l		95
78) n-propylbenzene	13.035	91	585903	51.587	ug/l		100
79) 2-Chlorotoluene	13.123	91	362526	48.850	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	424332	52.823	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	55485	47.612	ug/l		92
82) 4-Chlorotoluene	13.217	91	375636	48.097	ug/l		99
83) tert-Butylbenzene	13.435	119	350031	52.649	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	435421	52.518	ug/l		99
85) sec-Butylbenzene	13.612	105	489305	52.102	ug/l		100
86) p-Isopropyltoluene	13.729	119	421834	54.770	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	230686	45.366	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	231568	49.658	ug/l		98
89) n-Butylbenzene	14.053	91	362215	50.276	ug/l		99
90) Hexachloroethane	14.335	117	81515	47.459	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	223772	45.796	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.711	75	29987	45.754	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	119579	44.711	ug/l		99
94) Hexachlorobutadiene	15.500	225	51033	43.451	ug/l		98
95) Naphthalene	15.635	128	384553	48.037	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	116341	44.812	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

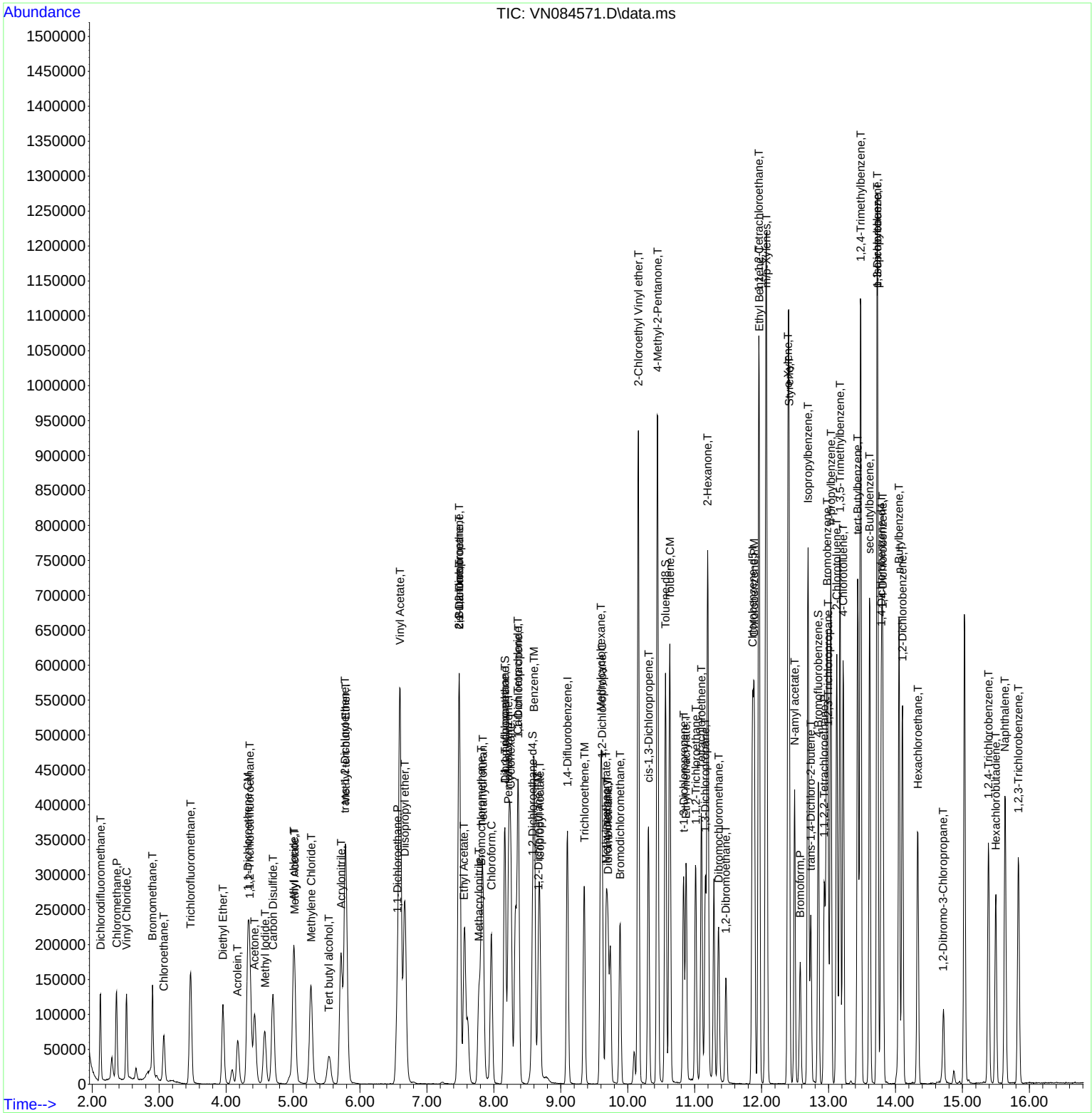
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

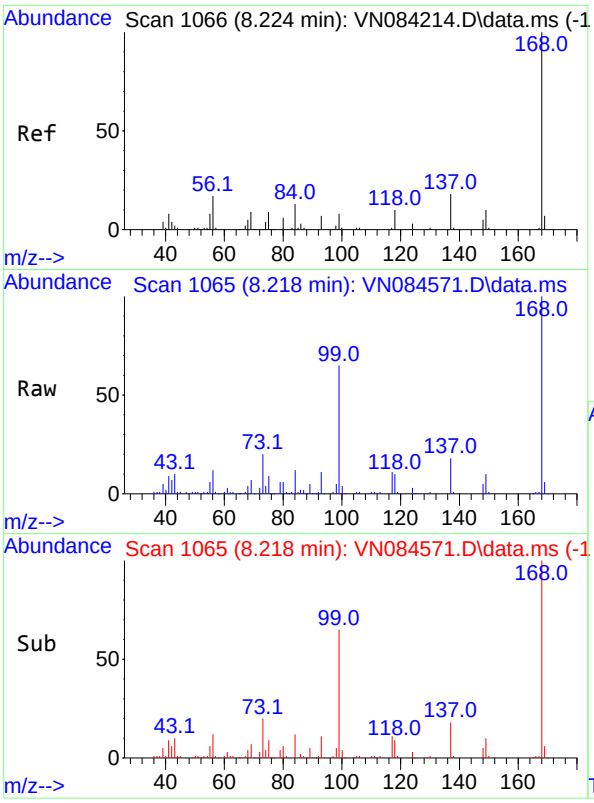
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration



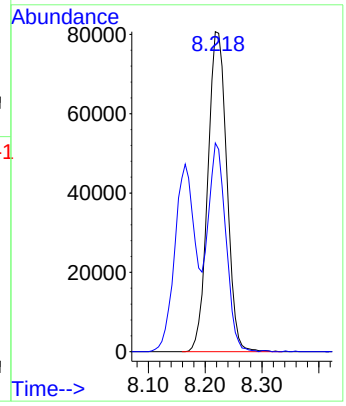


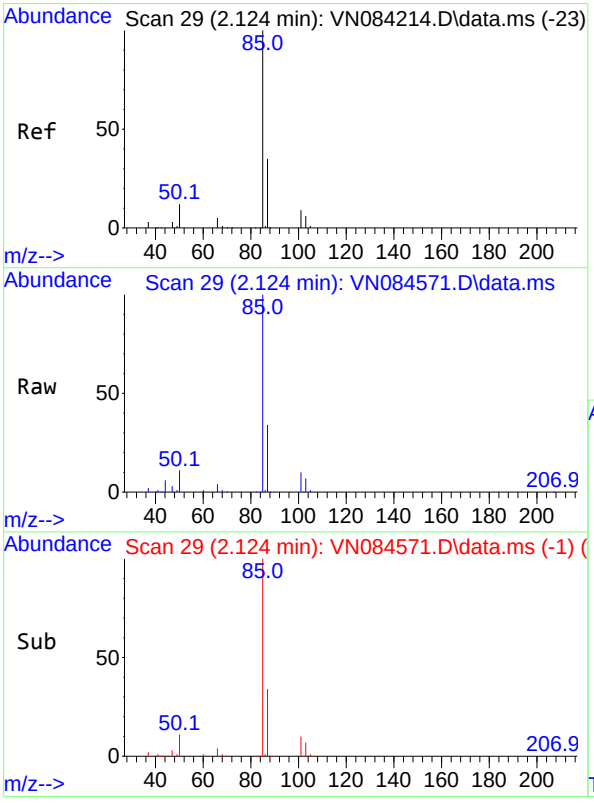
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 186594

Ion	Ratio	Lower	Upper
168	100		
99	65.2	54.2	81.2

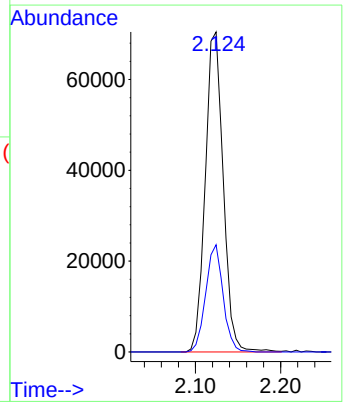


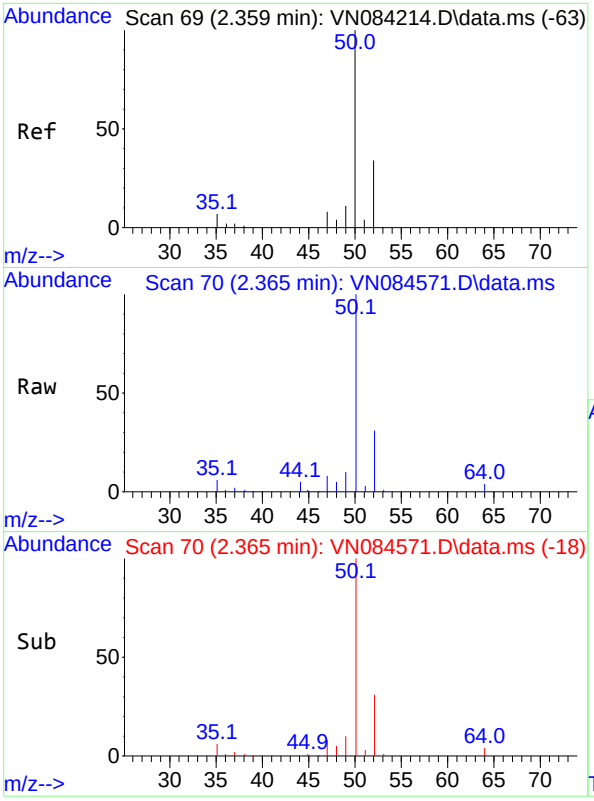


#2
Dichlorodifluoromethane
Concen: 48.061 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 85 Resp: 103092

Ion	Ratio	Lower	Upper
85	100		
87	33.5	17.6	52.9



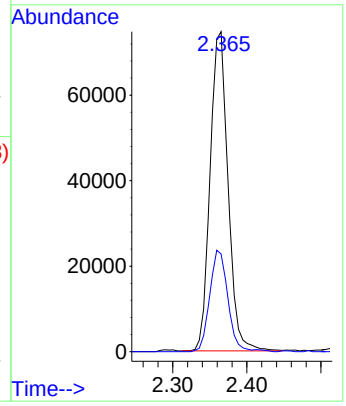


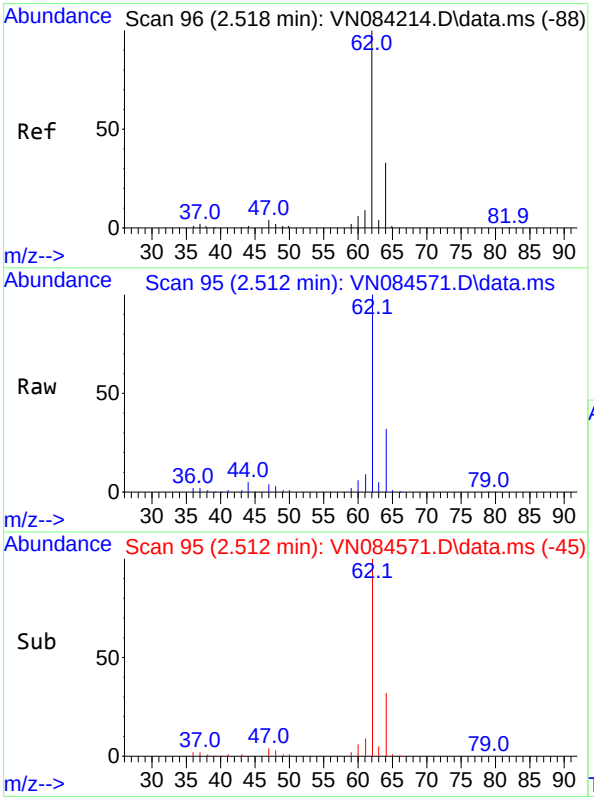
#3
Chloromethane
Concen: 49.788 ug/l
RT: 2.365 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 125344

Ion	Ratio	Lower	Upper
50	100		
52	30.6	26.8	40.2

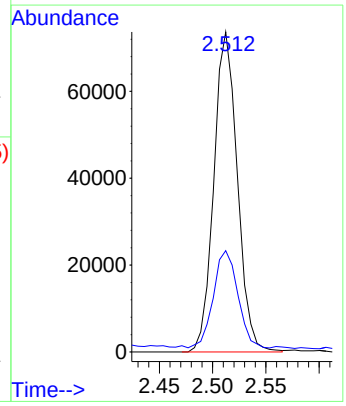


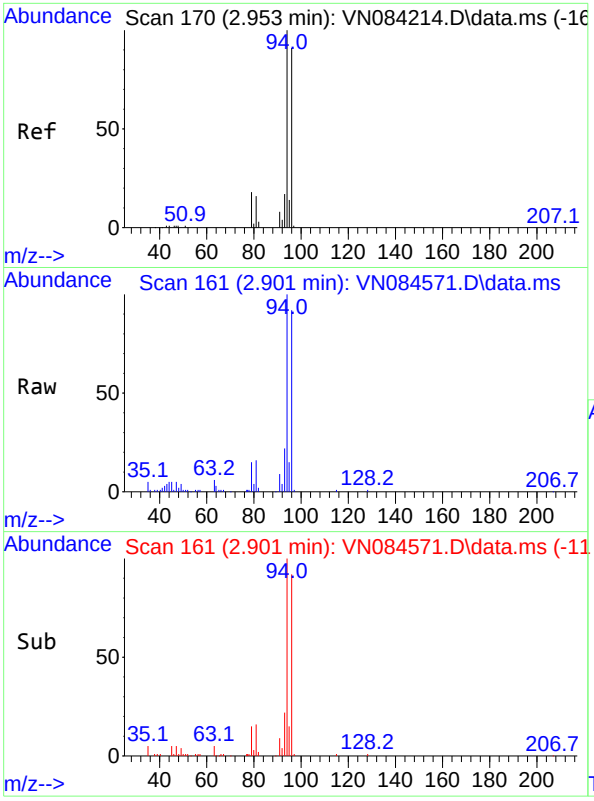


#4
Vinyl Chloride
Concen: 48.962 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 62 Resp: 112961

Ion	Ratio	Lower	Upper
62	100		
64	30.1	26.2	39.4



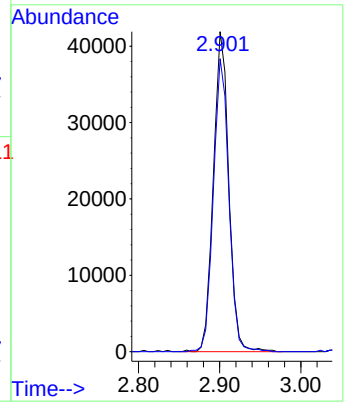


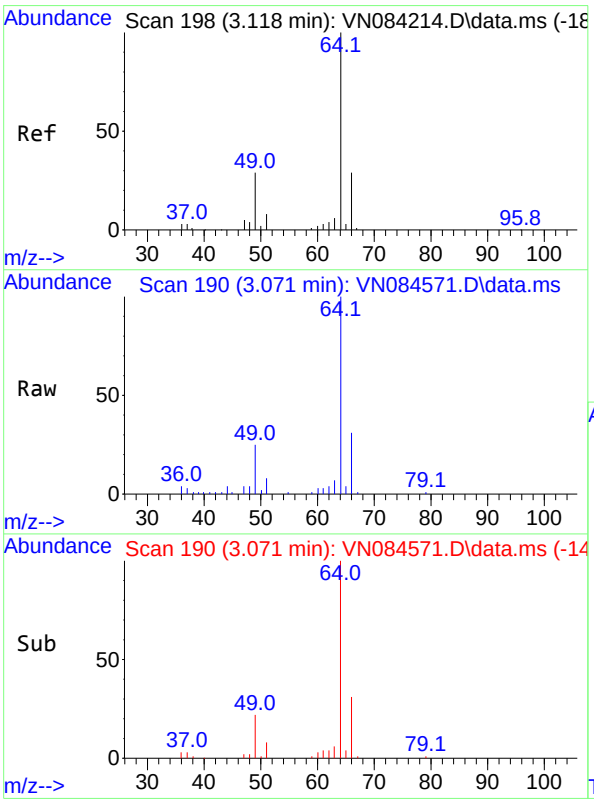
#5
Bromomethane
Concen: 45.153 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.052 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 55194

Ion	Ratio	Lower	Upper
94	100		
96	91.5	72.9	109.3

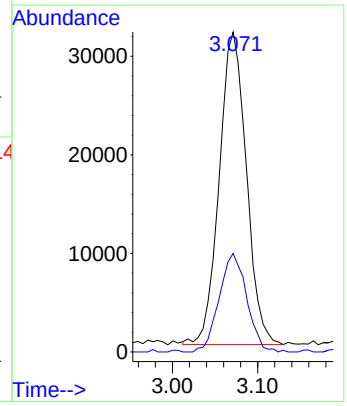


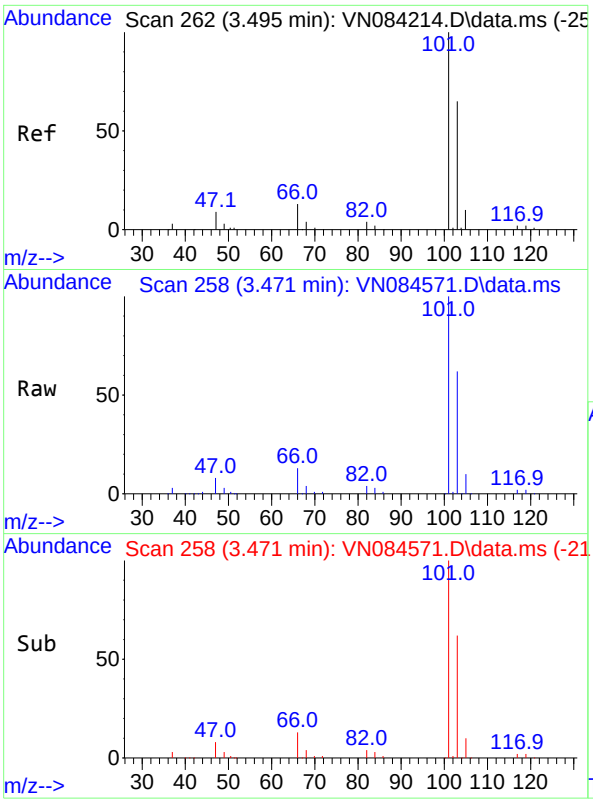


#6
Chloroethane
Concen: 49.078 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.047 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 64 Resp: 70126

Ion	Ratio	Lower	Upper
64	100		
66	31.5	23.5	35.3



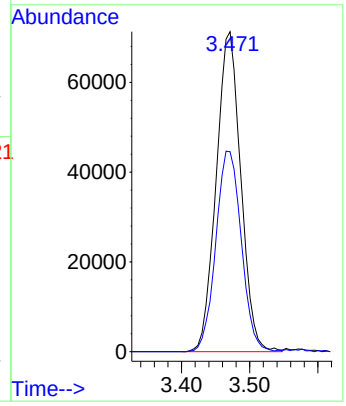


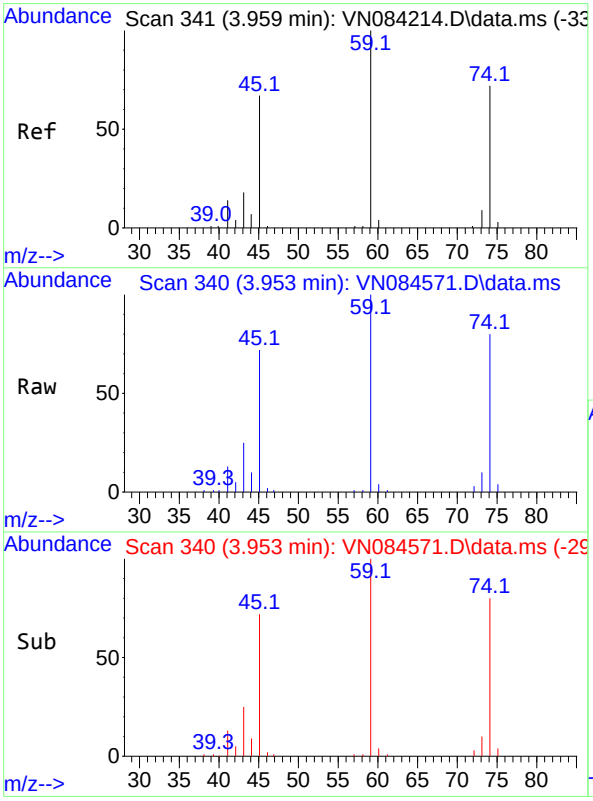
#7
Trichlorofluoromethane
Concen: 47.086 ug/l
RT: 3.471 min Scan# 2
Delta R.T. -0.024 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 178947

Ion	Ratio	Lower	Upper
101	100		
103	62.5	51.8	77.6

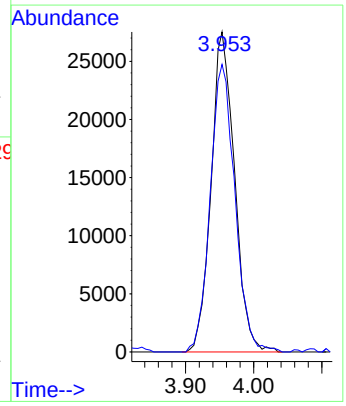


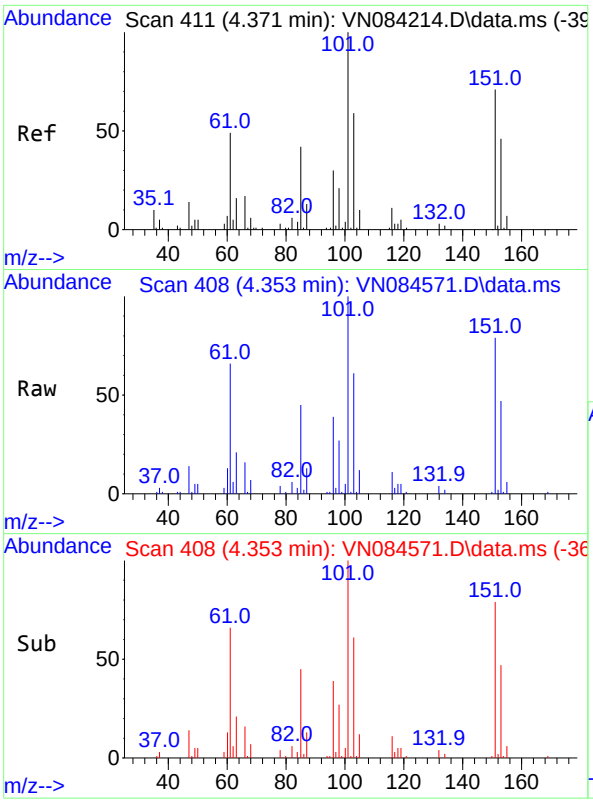


#8
Diethyl Ether
Concen: 49.190 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 74 Resp: 65946

Ion	Ratio	Lower	Upper
74	100		
45	94.5	47.7	143.1



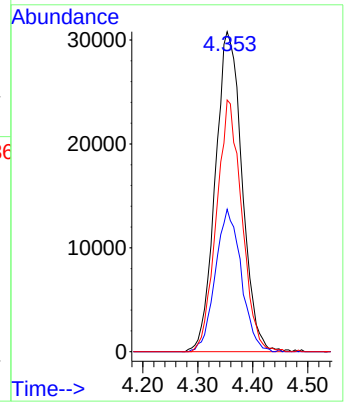


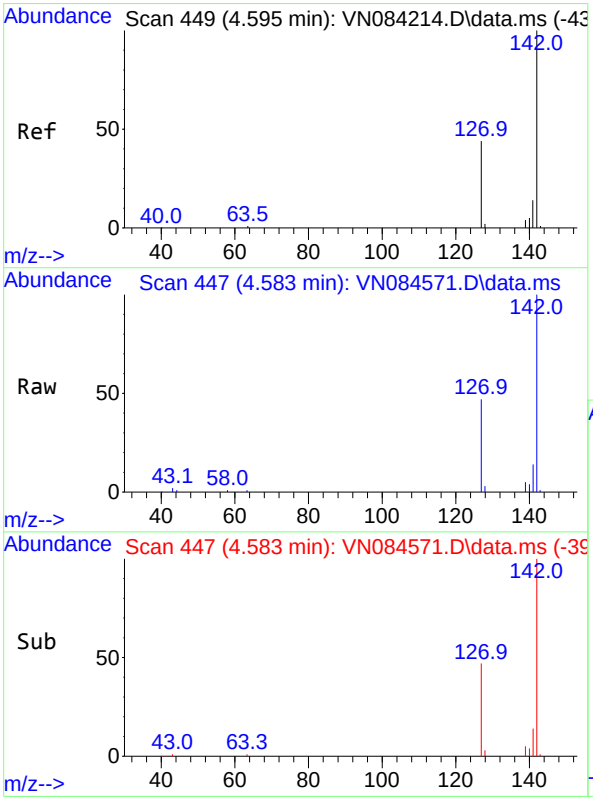
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.366 ug/l
RT: 4.353 min Scan# 4
Delta R.T. -0.018 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 103864

Ion	Ratio	Lower	Upper
101	100		
85	43.2	36.2	54.4
151	74.7	59.3	88.9

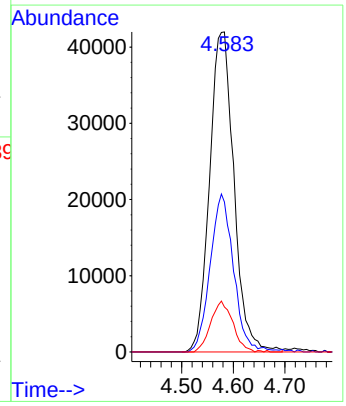


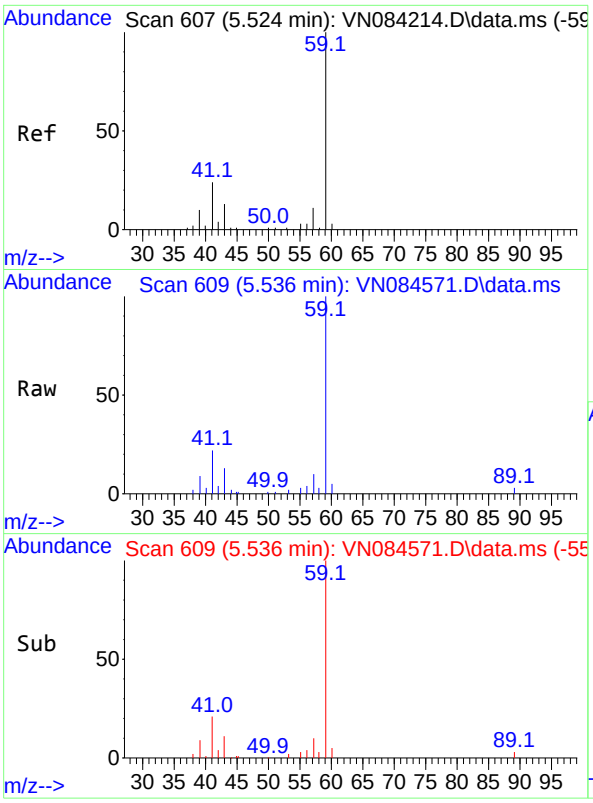


#10
Methyl Iodide
Concen: 47.829 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:142 Resp: 137274

Ion	Ratio	Lower	Upper
142	100		
127	46.9	35.3	52.9
141	14.0	11.0	16.6



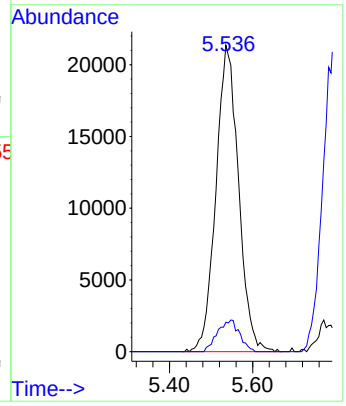


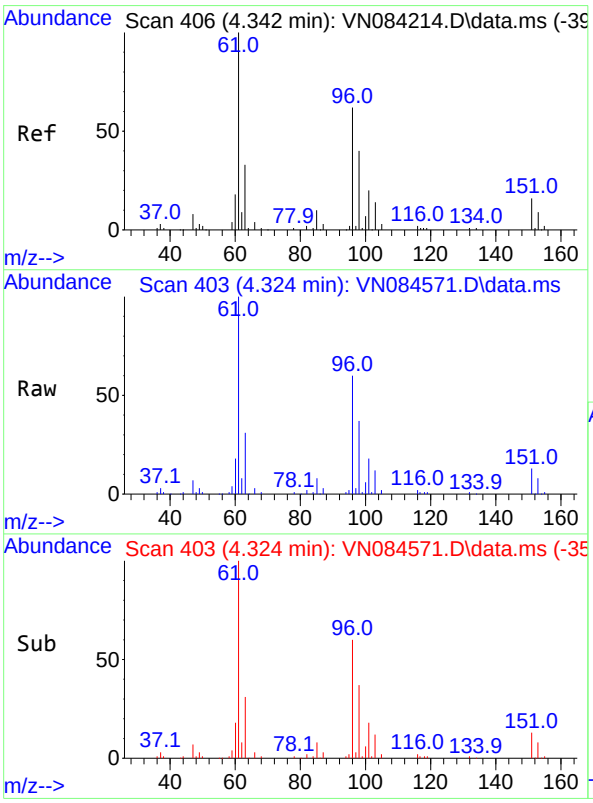
#11
Tert butyl alcohol
Concen: 226.565 ug/l
RT: 5.536 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 80598

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2

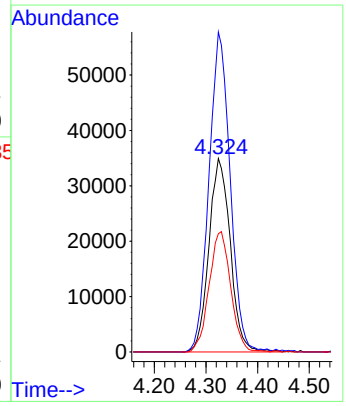


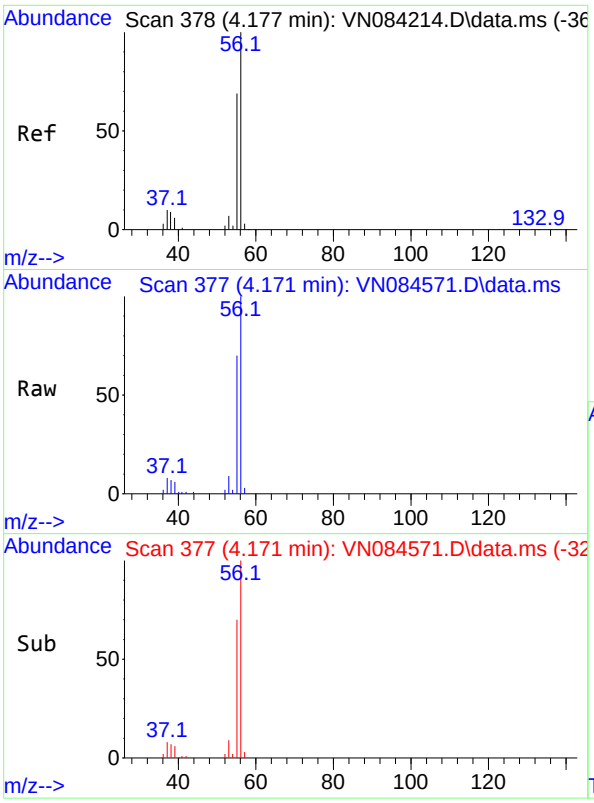


#12
1,1-Dichloroethene
Concen: 47.270 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 96 Resp: 100445

Ion	Ratio	Lower	Upper
96	100		
61	165.4	128.6	192.8
98	61.1	51.7	77.5



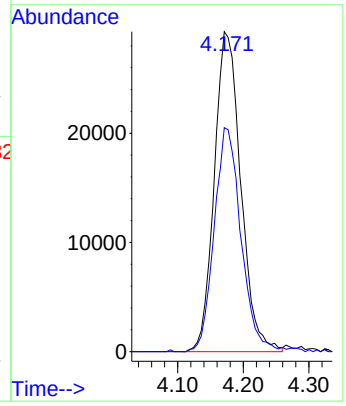


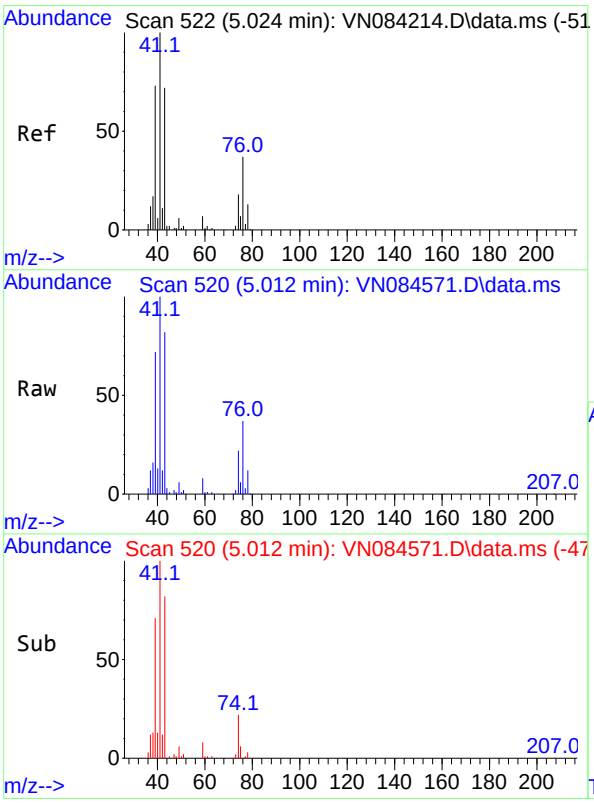
#13
Acrolein
Concen: 231.524 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 82129

Ion	Ratio	Lower	Upper
56	100		
55	70.8	57.2	85.8

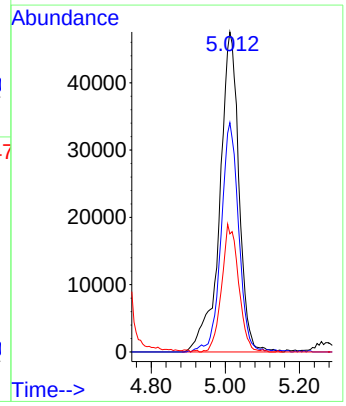


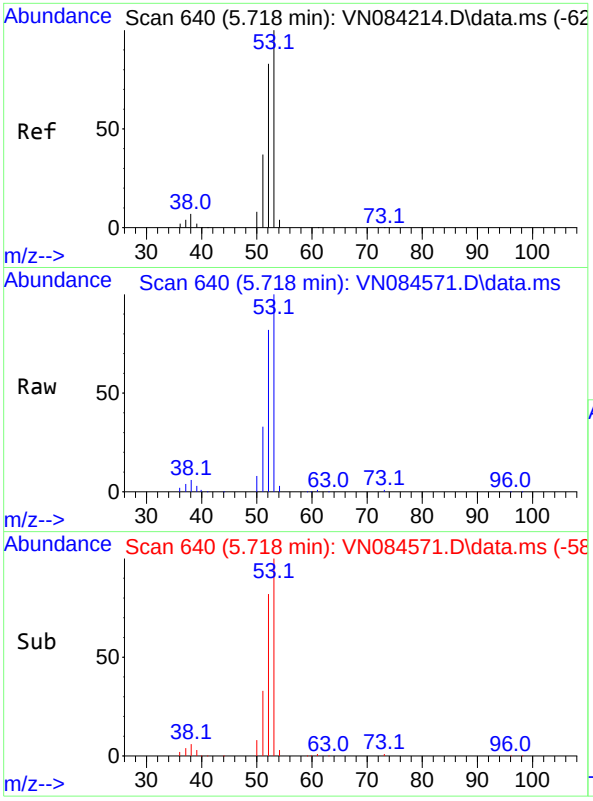


#14
Allyl chloride
Concen: 49.635 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 41 Resp: 171045

Ion	Ratio	Lower	Upper
41	100		
39	65.6	59.0	88.6
76	35.1	29.8	44.6



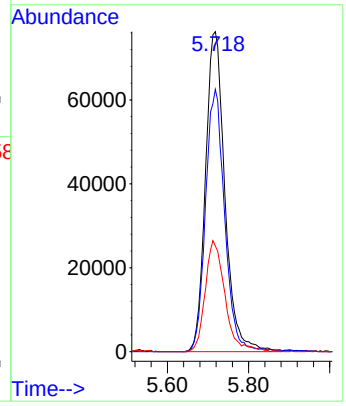


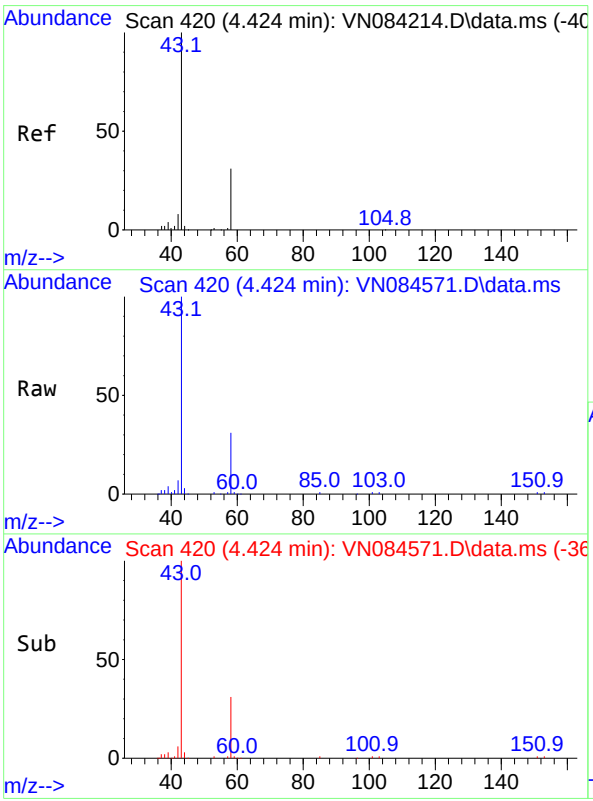
#15
Acrylonitrile
Concen: 245.525 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 252853

Ion	Ratio	Lower	Upper
53	100		
52	80.1	66.2	99.4
51	35.4	28.8	43.2

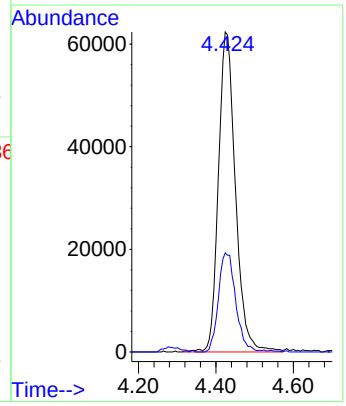


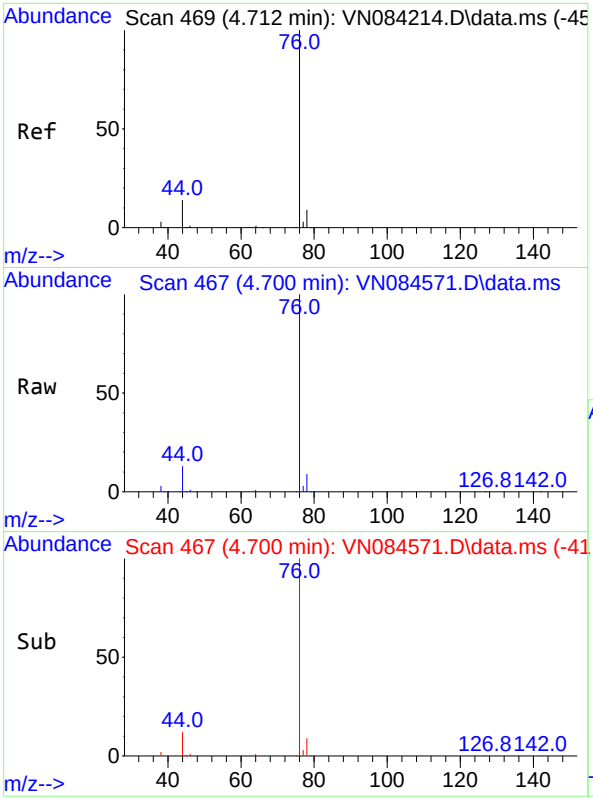


#16
Acetone
Concen: 243.925 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 43 Resp: 189949

Ion	Ratio	Lower	Upper
43	100		
58	30.9	24.4	36.6



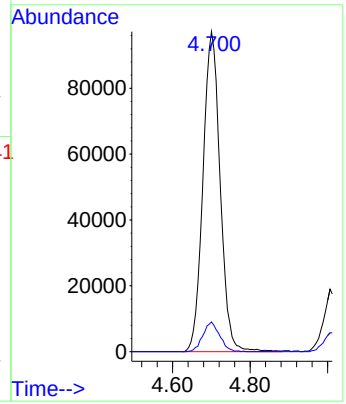


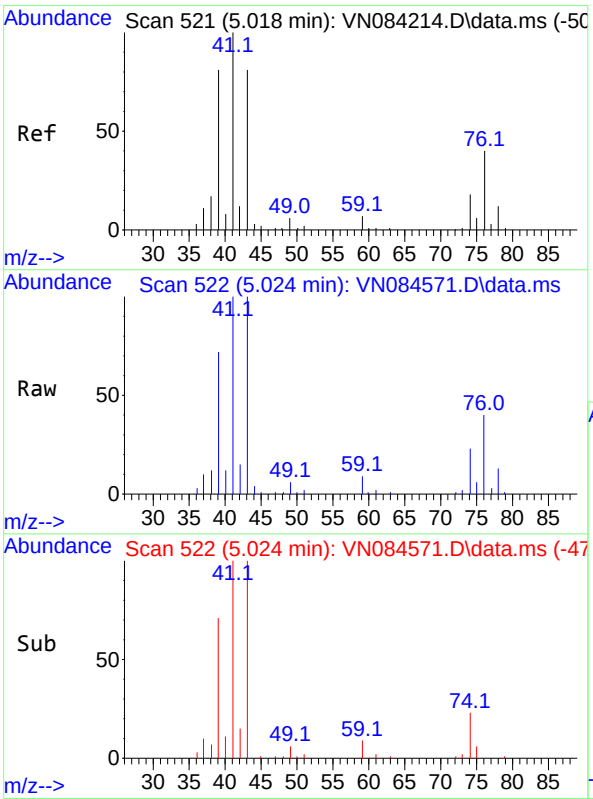
#17
Carbon Disulfide
Concen: 45.698 ug/l
RT: 4.700 min Scan# 4
Delta R.T. -0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 299041

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

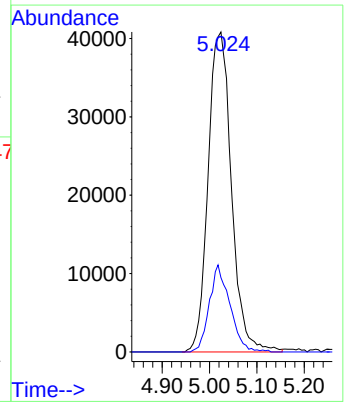


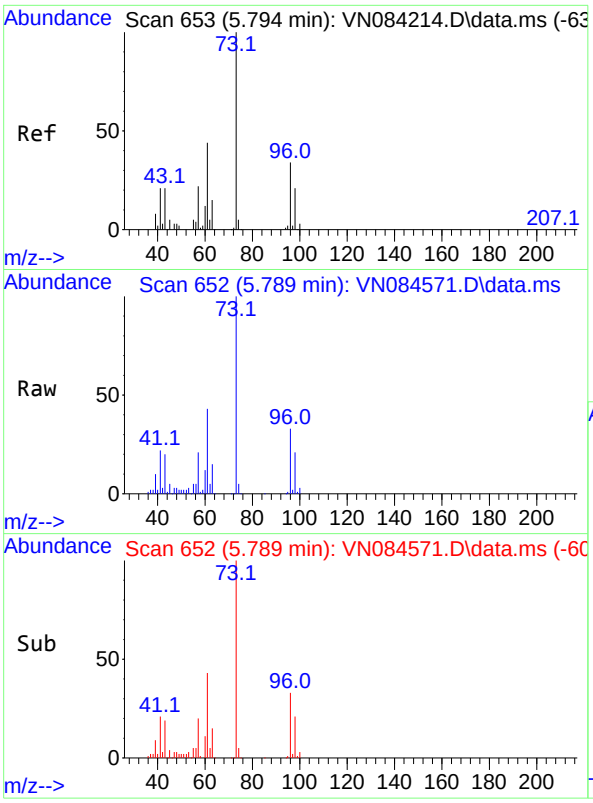


#18
Methyl Acetate
Concen: 49.097 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 43 Resp: 139826

Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.2	28.8



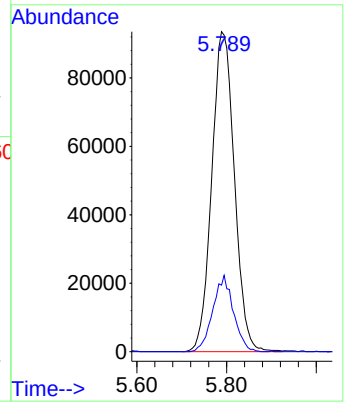


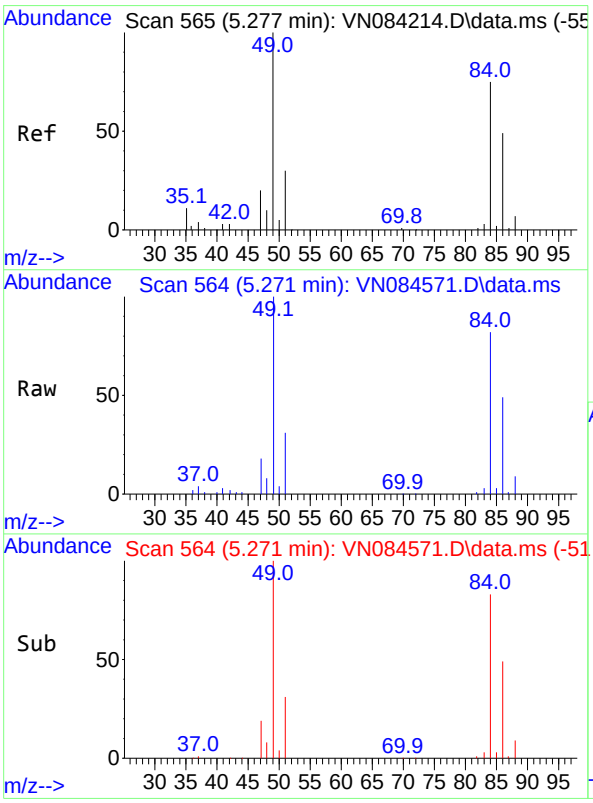
#19
Methyl tert-butyl Ether
Concen: 50.376 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 328099

Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.7	26.5

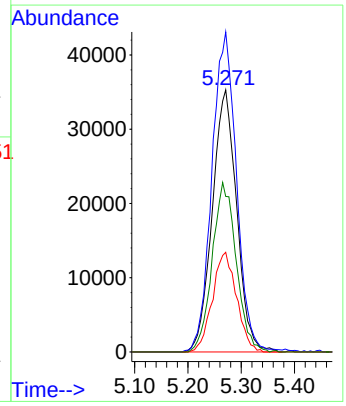


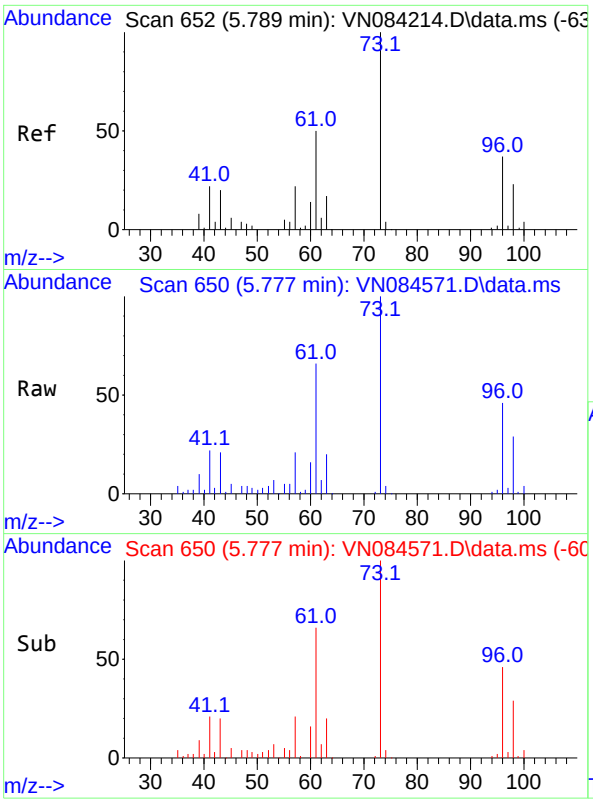


#20
Methylene Chloride
Concen: 47.370 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 84 Resp: 112282

Ion	Ratio	Lower	Upper
84	100		
49	122.1	107.2	160.8
51	38.0	31.8	47.8
86	59.3	52.9	79.3



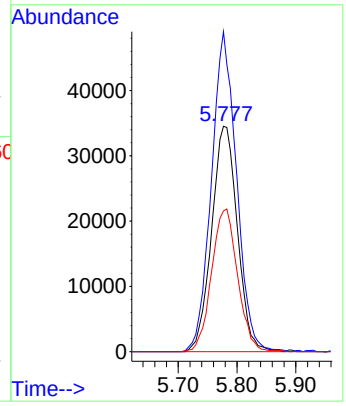


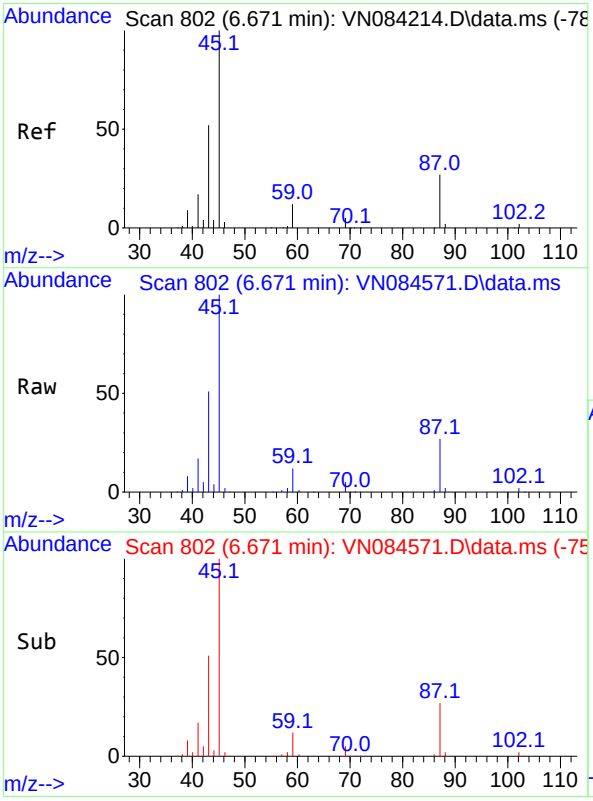
#21
trans-1,2-Dichloroethene
Concen: 48.146 ug/l
RT: 5.777 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 105050

Ion	Ratio	Lower	Upper
96	100		
61	141.9	108.4	162.6
98	62.5	49.8	74.8

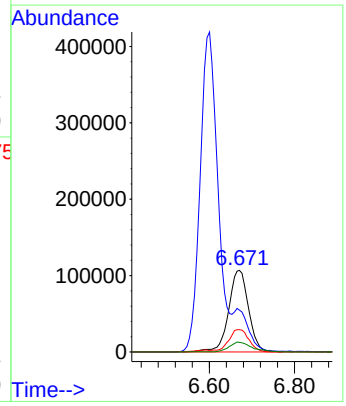


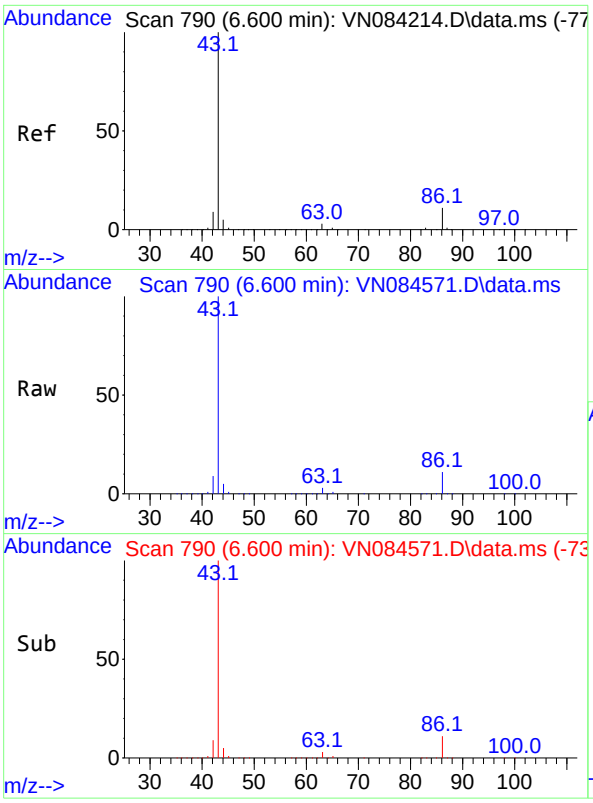


#22
Diisopropyl ether
Concen: 50.549 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 45 Resp: 346126

Ion	Ratio	Lower	Upper
45	100		
43	50.3	42.3	63.5
87	27.3	21.8	32.6
59	11.7	9.6	14.4



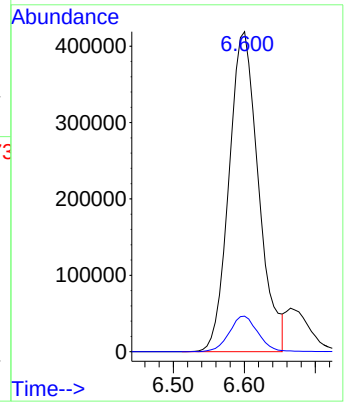


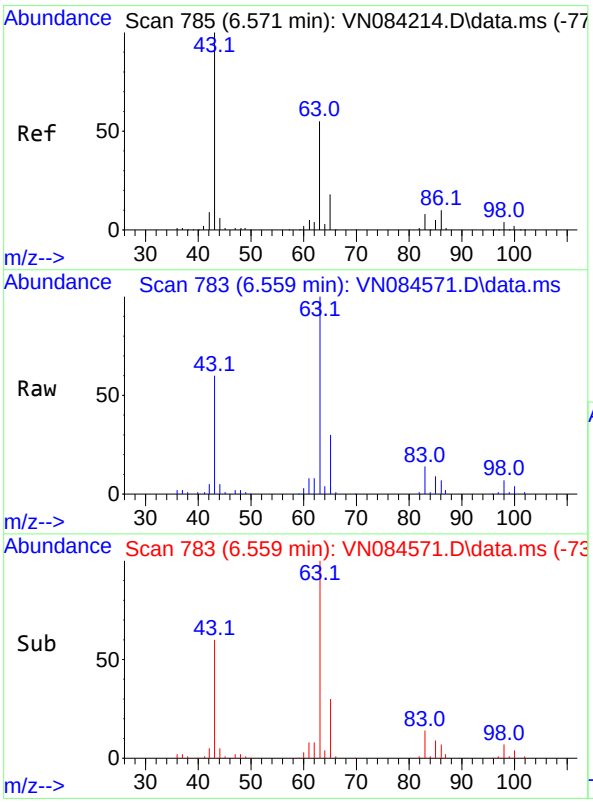
#23
Vinyl Acetate
Concen: 256.673 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1212022

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.6	12.8

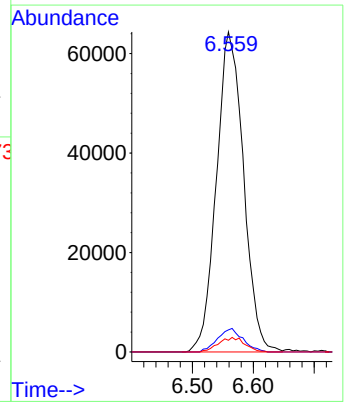


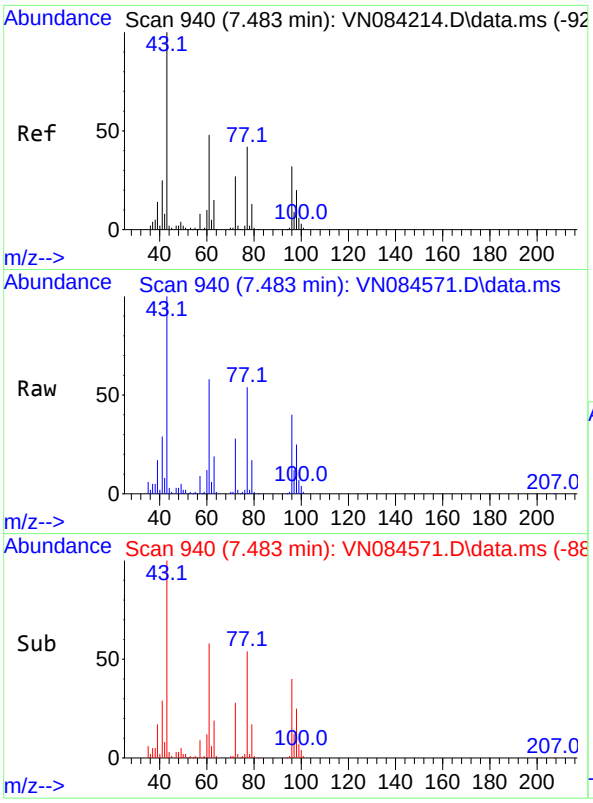


#24
1,1-Dichloroethane
Concen: 48.362 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 63 Resp: 198817

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.4	10.2
100	3.7	2.0	5.8



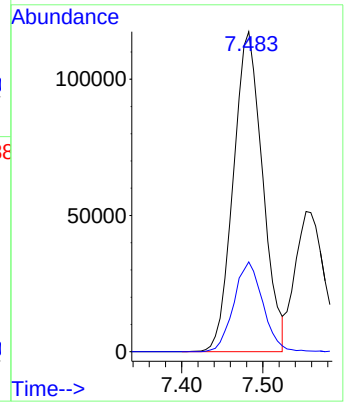


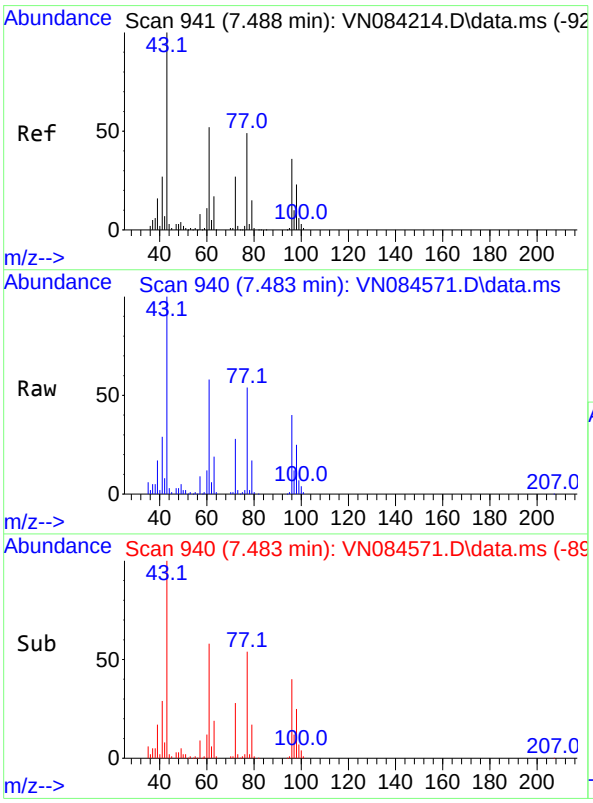
#25
2-Butanone
Concen: 233.994 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 294207

Ion	Ratio	Lower	Upper
43	100		
72	28.0	21.4	32.2

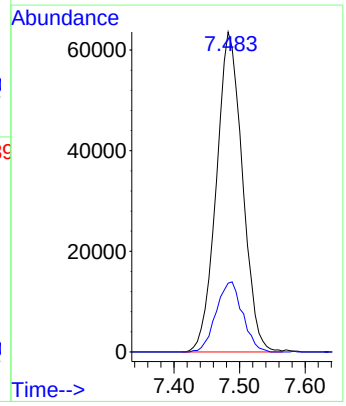


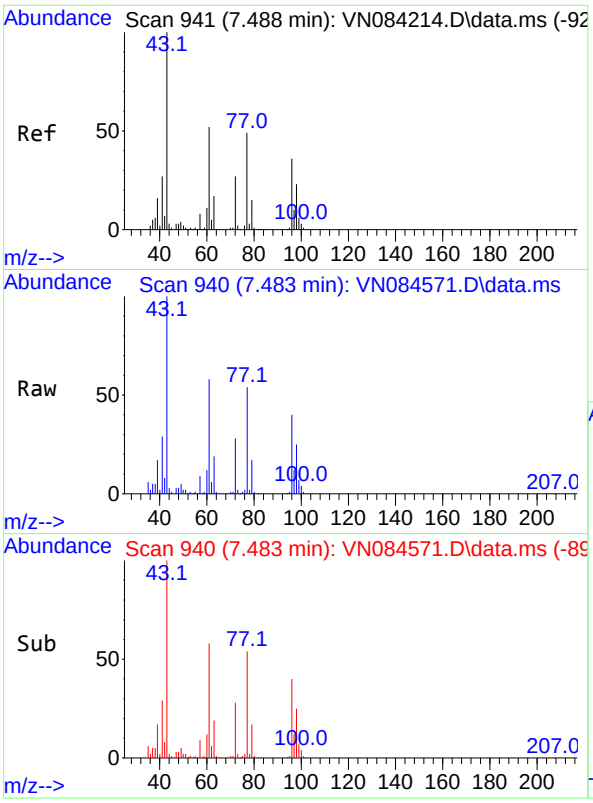


#26
2,2-Dichloropropane
Concen: 49.052 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 77 Resp: 175511

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.8	32.3



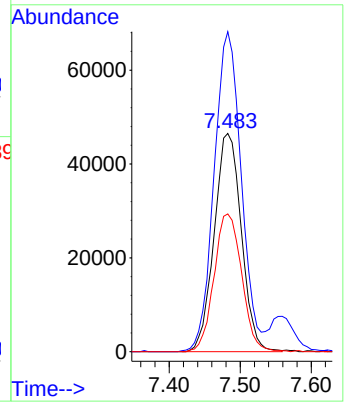


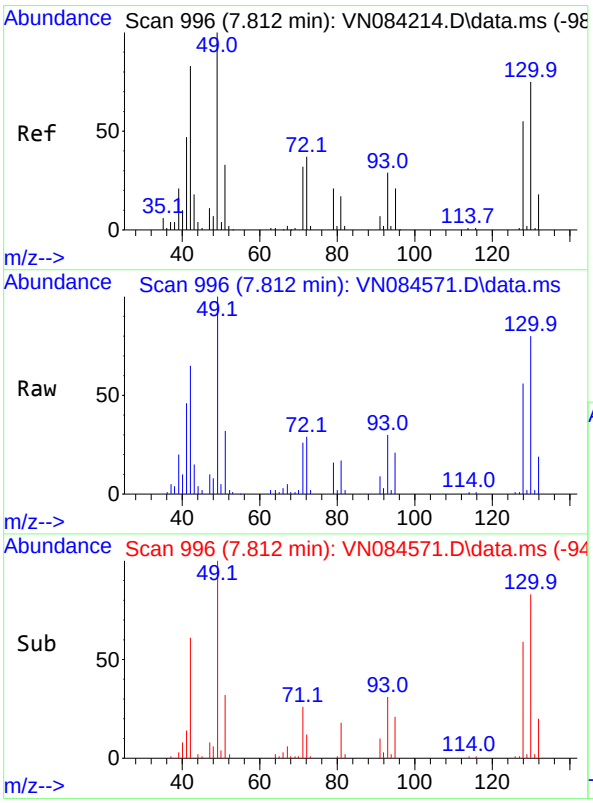
#27
cis-1,2-Dichloroethene
Concen: 48.450 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 123436

Ion	Ratio	Lower	Upper
96	100		
61	146.2	0.0	301.8
98	64.3	0.0	128.2

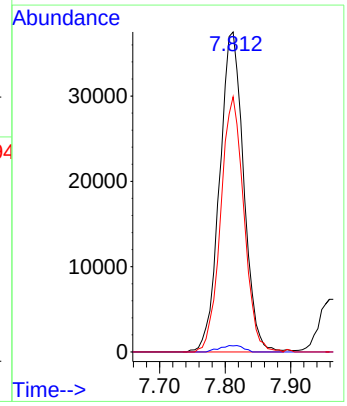


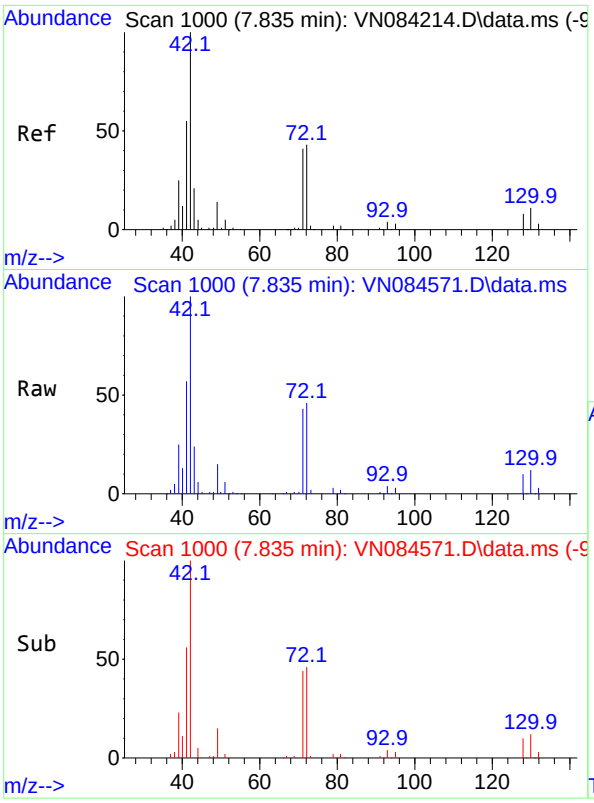


#28
Bromochloromethane
Concen: 58.166 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 49 Resp: 95269

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	76.9	58.0	87.0



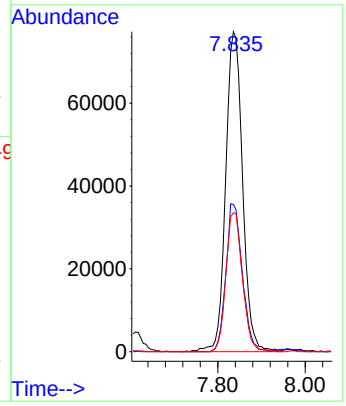


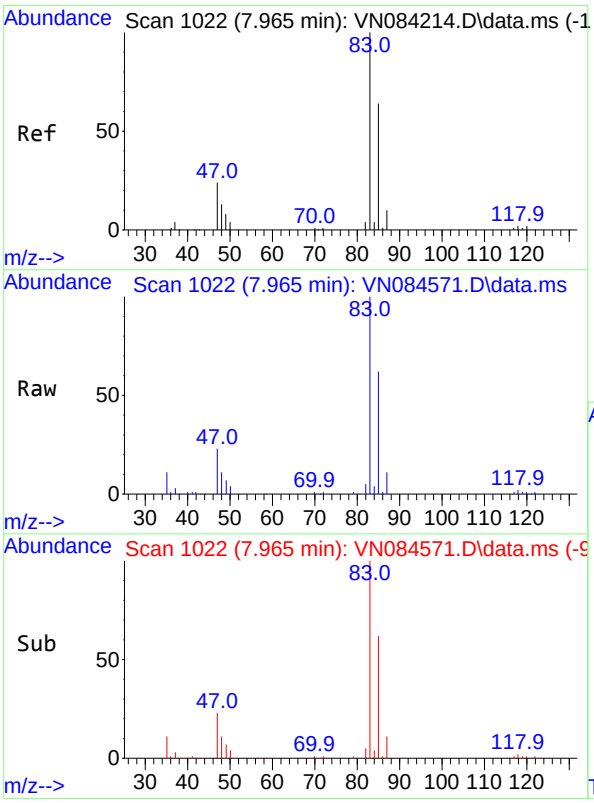
#29
Tetrahydrofuran
Concen: 248.139 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 206980

Ion	Ratio	Lower	Upper
42	100		
72	44.8	34.6	51.8
71	42.3	32.2	48.4

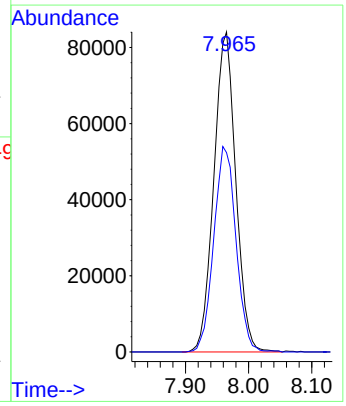


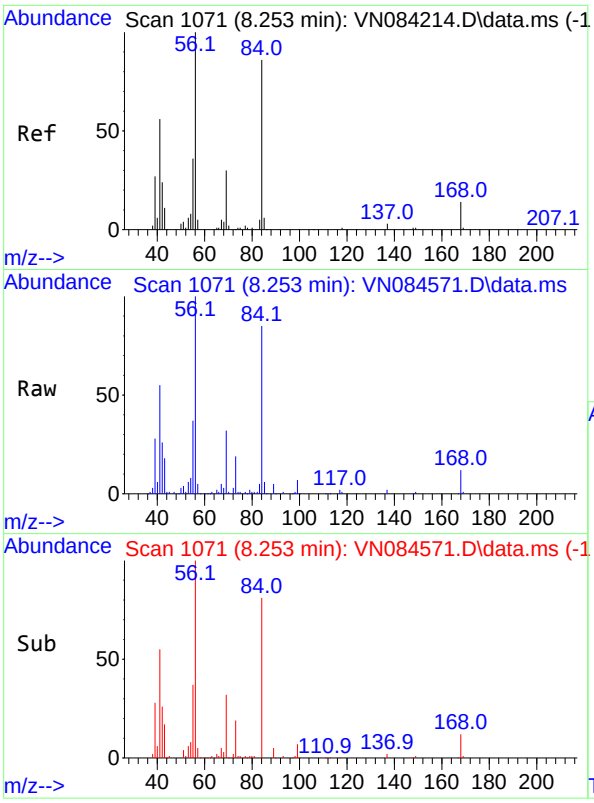


#30
Chloroform
Concen: 48.417 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 83 Resp: 202589

Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.0	76.4



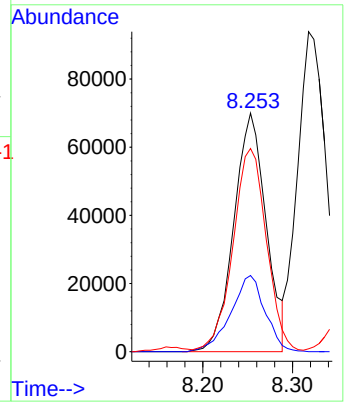


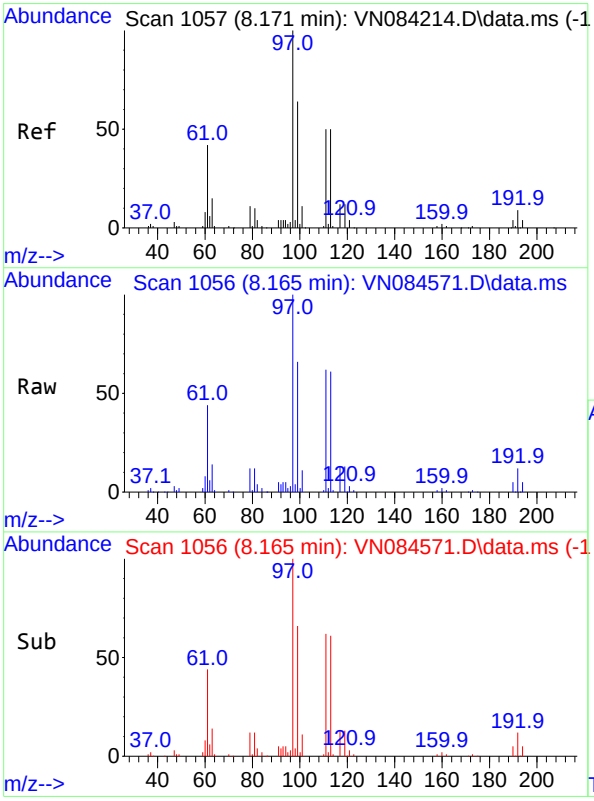
#31
Cyclohexane
Concen: 47.043 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 175038

Ion	Ratio	Lower	Upper
56	100		
69	31.9	23.8	35.6
84	83.9	68.8	103.2

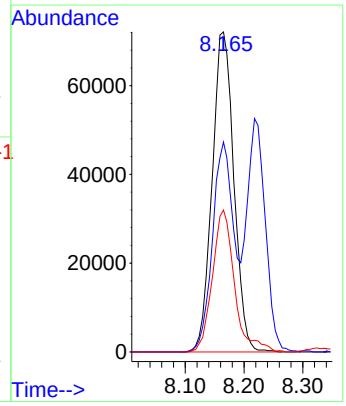


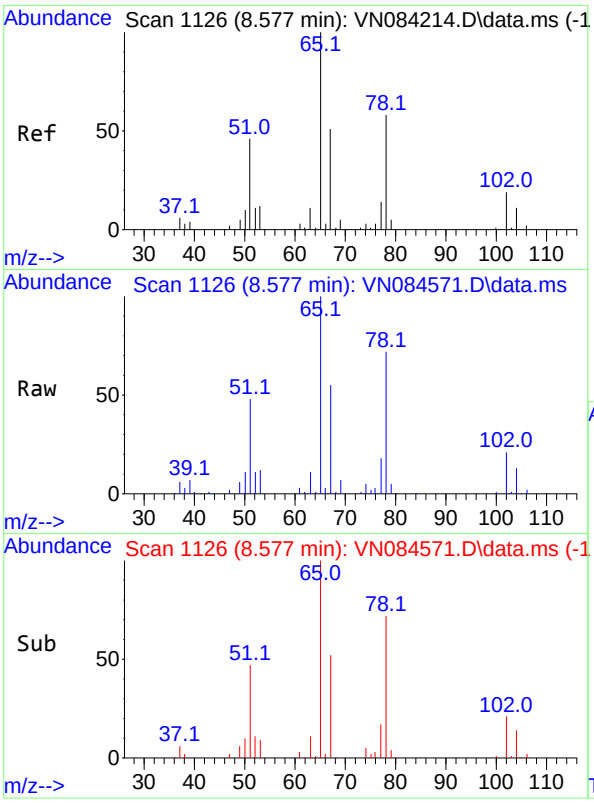


#32
1,1,1-Trichloroethane
Concen: 48.573 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 97 Resp: 184986

Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.2	76.8
61	45.2	37.5	56.3



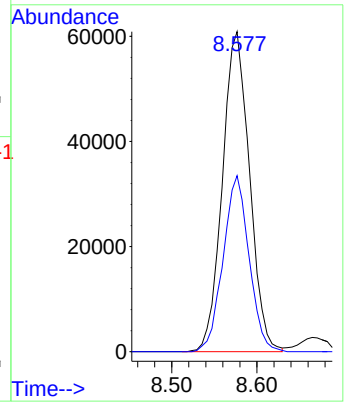


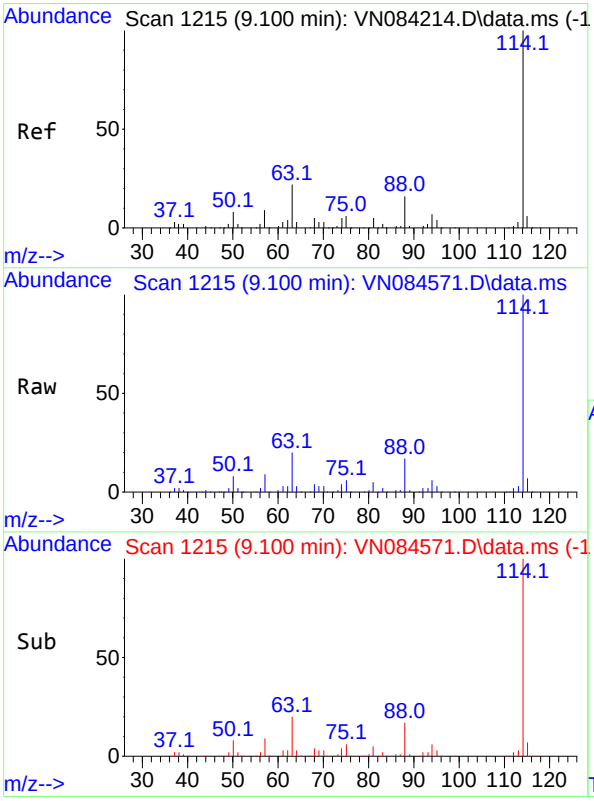
#33
1,2-Dichloroethane-d4
Concen: 49.914 ug/l
RT: 8.577 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 134521

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	102.0

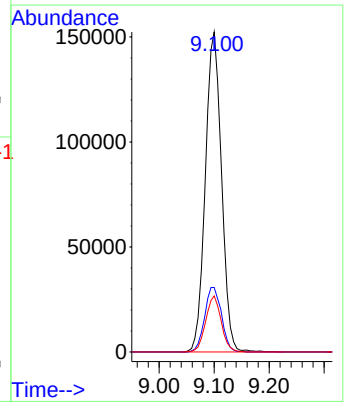


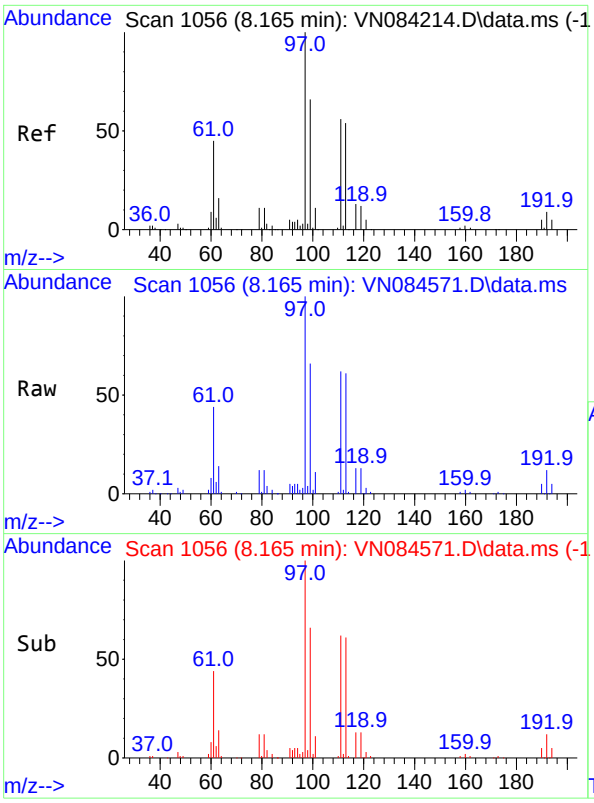


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:114 Resp: 311554

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	43.8
88	17.5	0.0	31.6



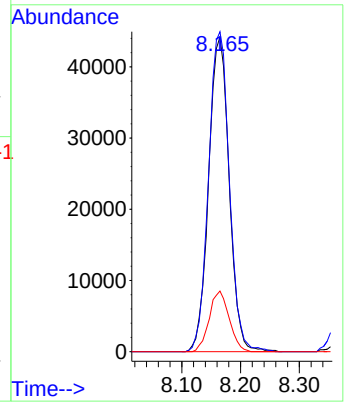


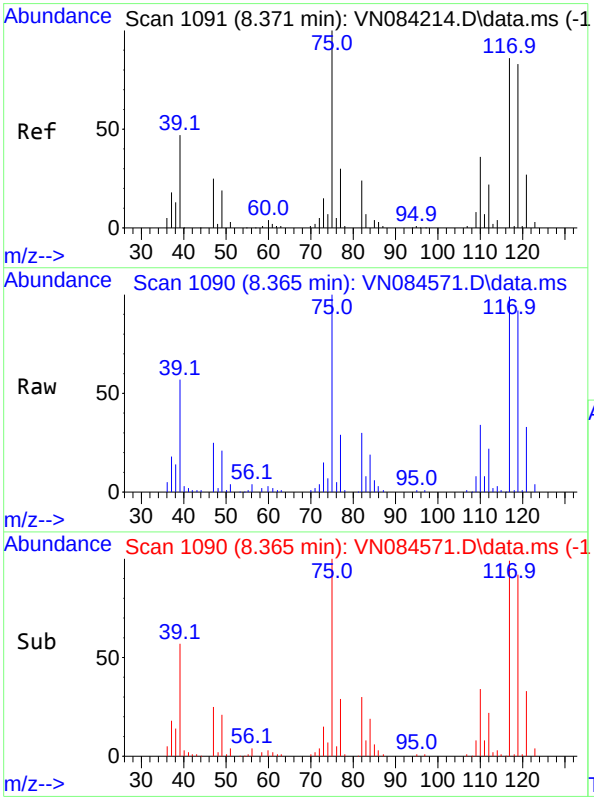
#35
Dibromofluoromethane
Concen: 50.801 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 107131

Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.3	124.9
192	18.7	13.5	20.3

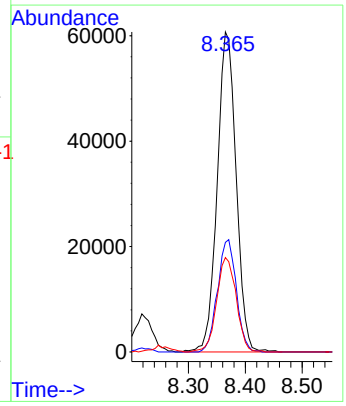


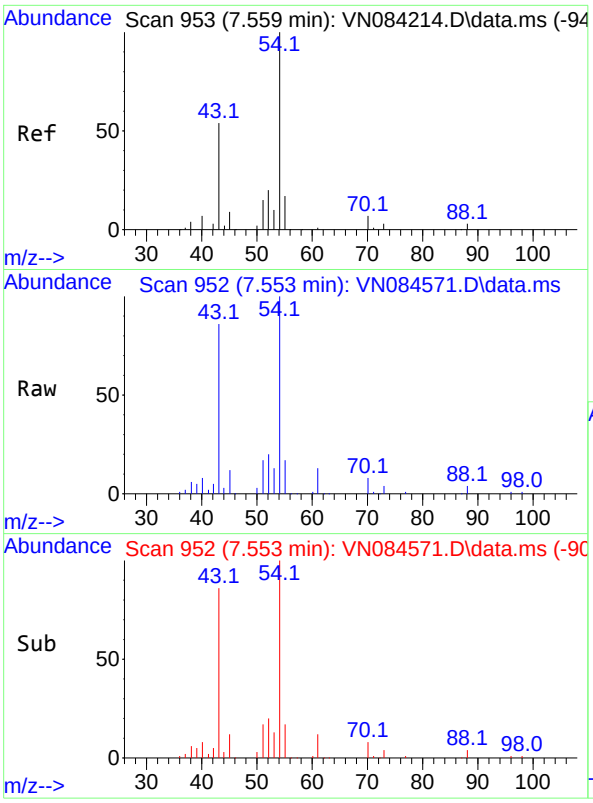


#36
1,1-Dichloropropene
Concen: 48.071 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 75 Resp: 140593

Ion	Ratio	Lower	Upper
75	100		
110	34.9	16.9	50.7
77	30.5	24.7	37.1



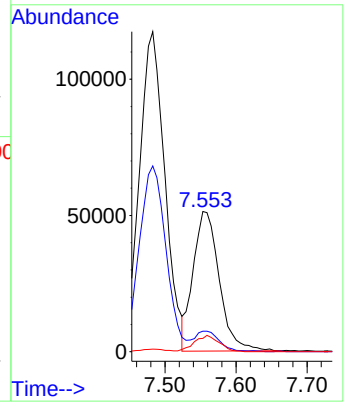


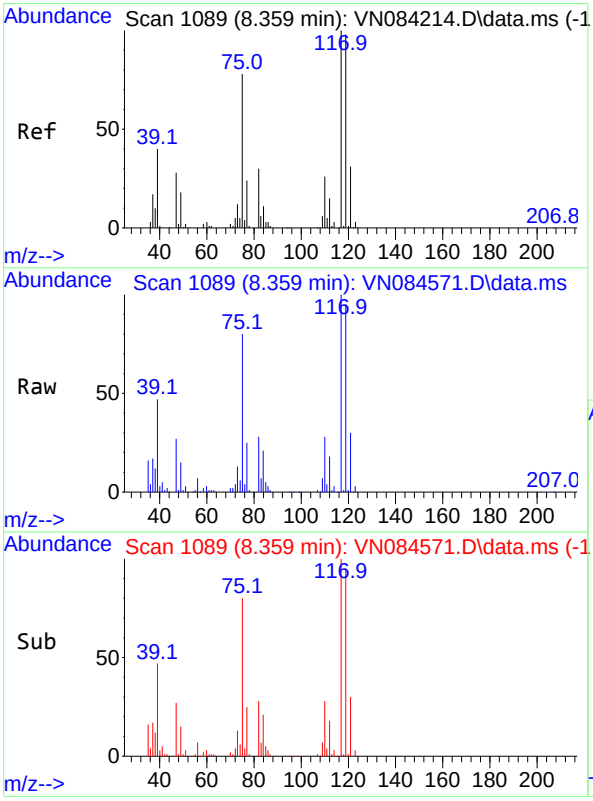
#37
Ethyl Acetate
Concen: 49.493 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 131332

Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.7	16.1
70	11.0	8.8	13.2

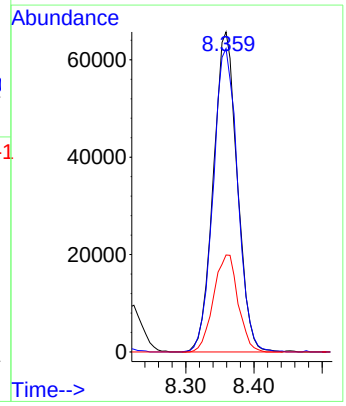


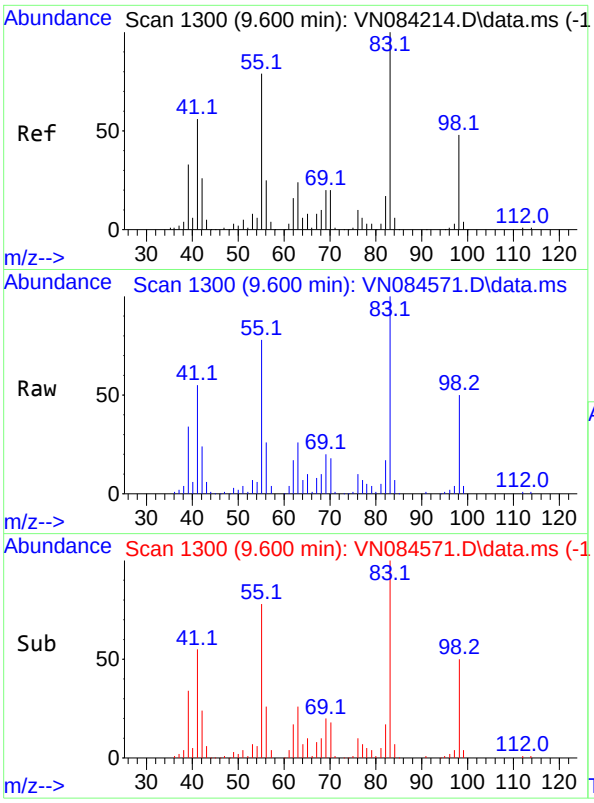


#38
Carbon Tetrachloride
Concen: 48.985 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:117 Resp: 160134

Ion	Ratio	Lower	Upper
117	100		
119	94.8	78.7	118.1
121	30.3	24.4	36.6



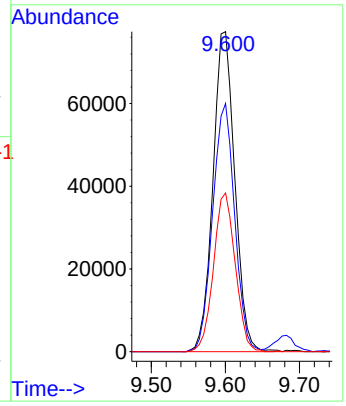


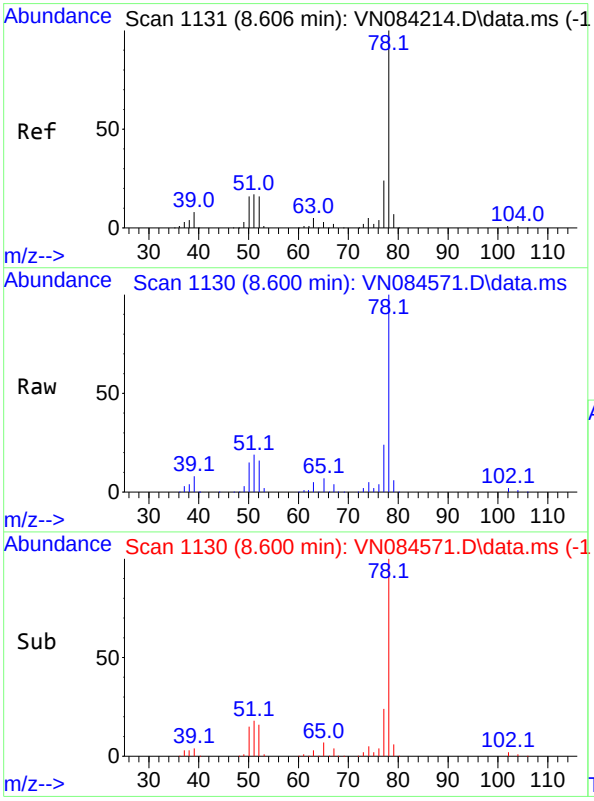
#39
Methylcyclohexane
Concen: 53.267 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 158489

Ion	Ratio	Lower	Upper
83	100		
55	77.5	62.8	94.2
98	49.6	38.8	58.2

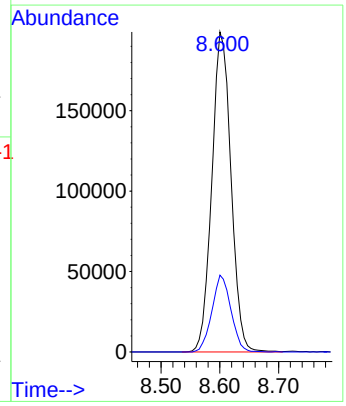


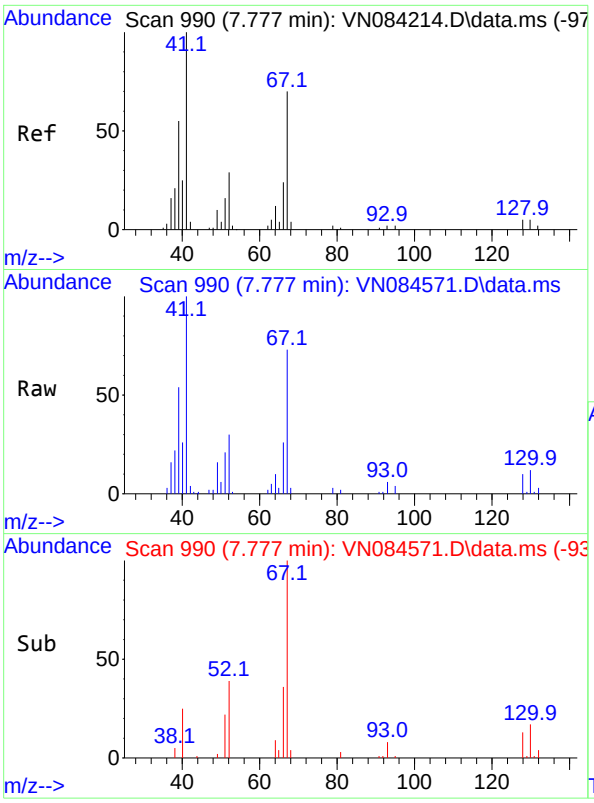


#40
Benzene
Concen: 48.024 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 78 Resp: 451074

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7



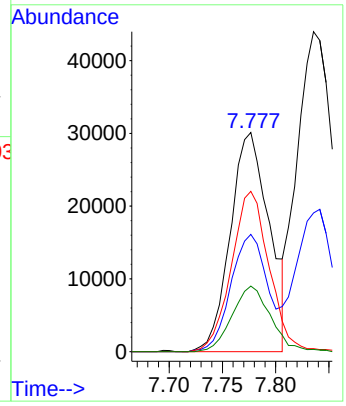


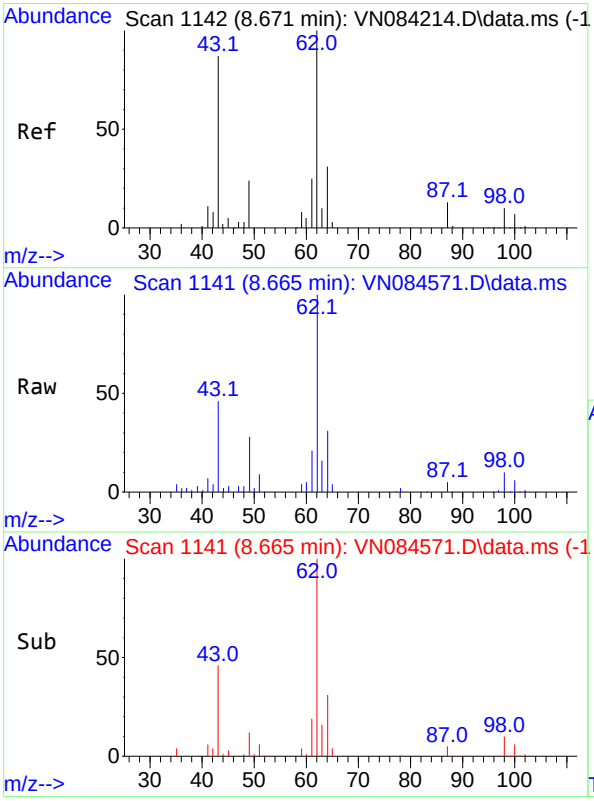
#41
Methacrylonitrile
Concen: 53.814 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 76791

Ion	Ratio	Lower	Upper
41	100		
39	49.1	43.3	64.9
67	71.0	56.1	84.1
52	29.6	24.5	36.7

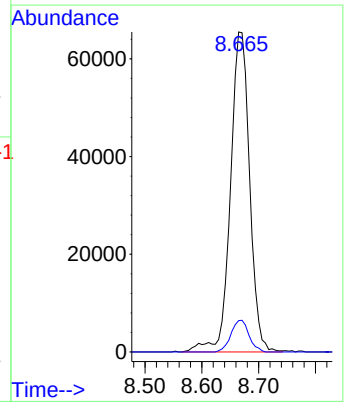


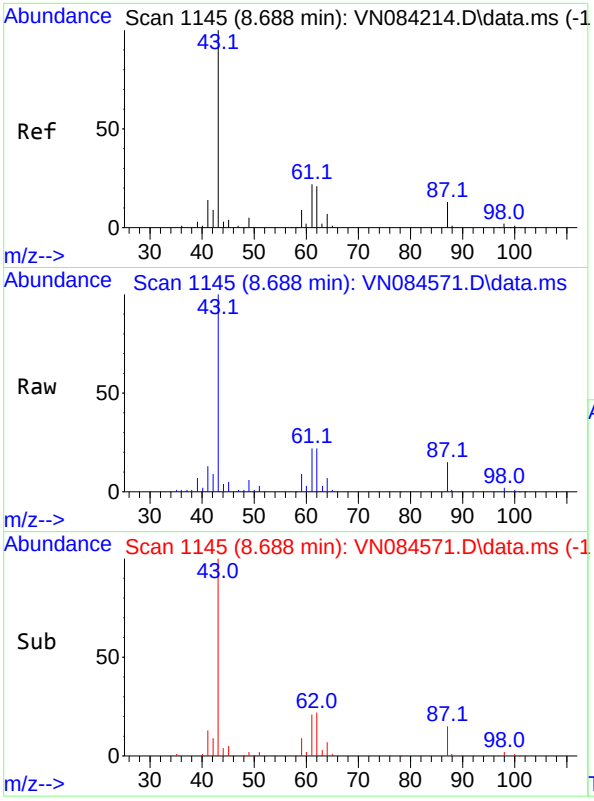


#42
1,2-Dichloroethane
Concen: 50.614 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 62 Resp: 153960

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2



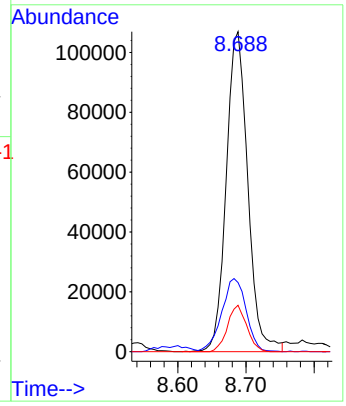


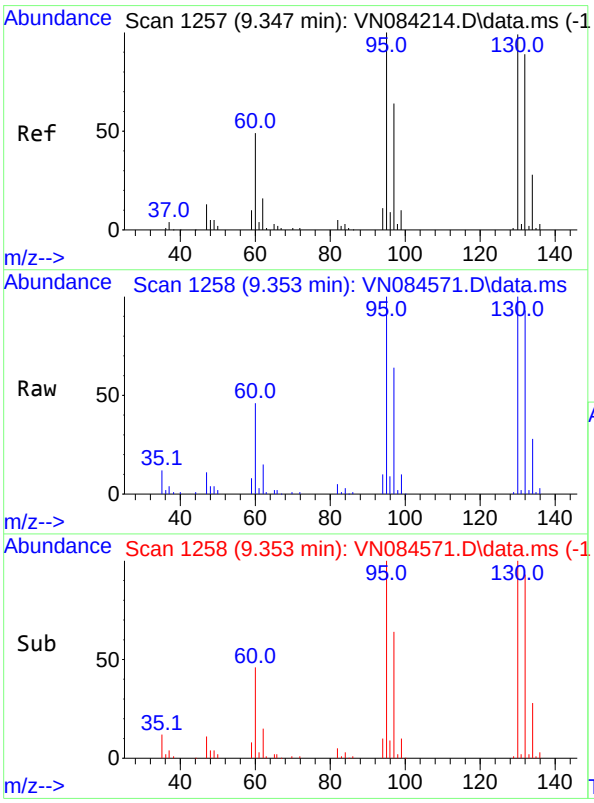
#43
Isopropyl Acetate
Concen: 48.004 ug/l
RT: 8.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 235517

Ion	Ratio	Lower	Upper
43	100		
61	25.9	20.4	30.6
87	13.0	10.3	15.5

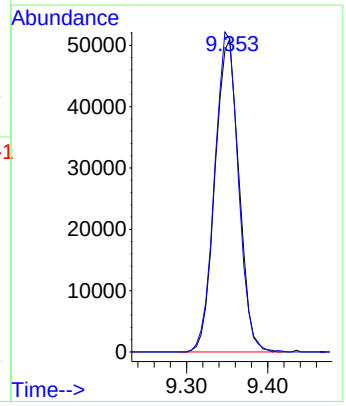


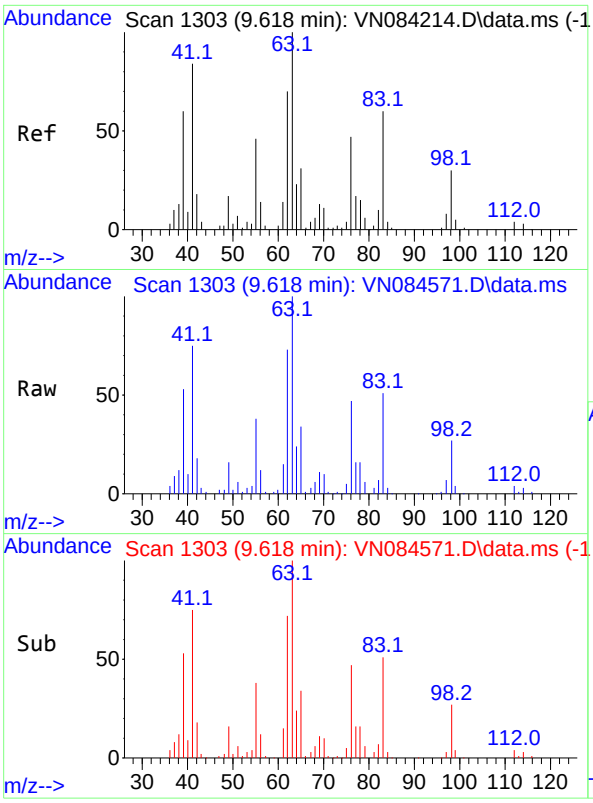


#44
Trichloroethene
Concen: 48.241 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:130 Resp: 104498

Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	203.0



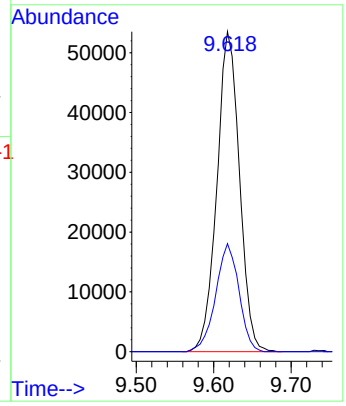


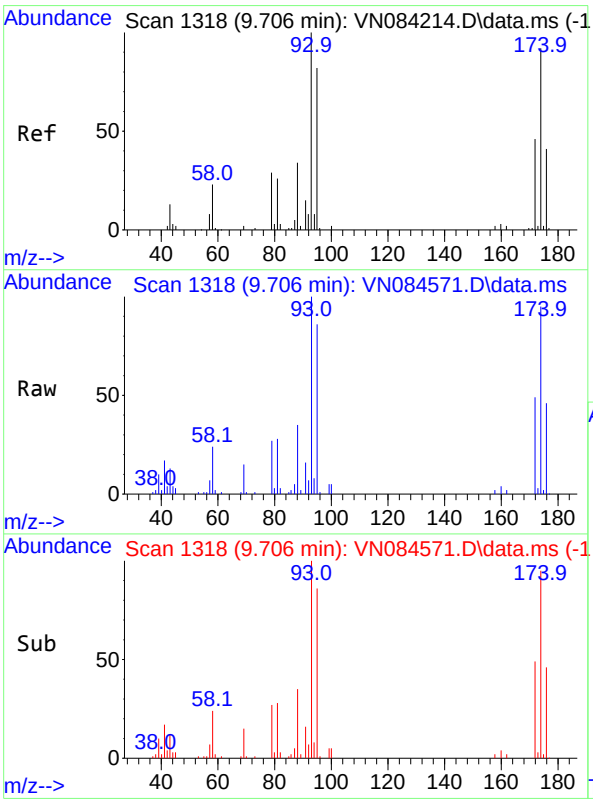
#45
1,2-Dichloropropane
Concen: 49.154 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 108302

Ion	Ratio	Lower	Upper
63	100		
65	33.7	24.6	37.0

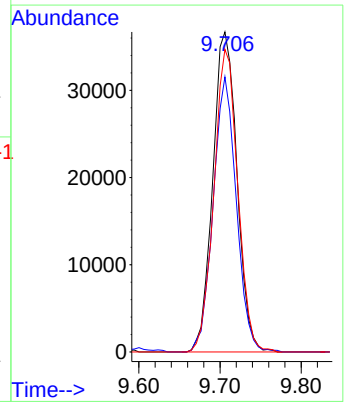


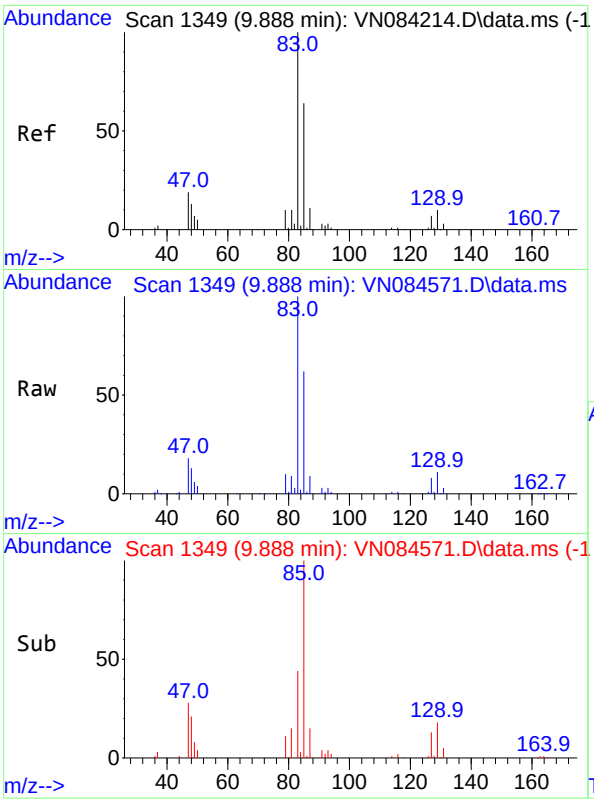


#46
Dibromomethane
Concen: 48.895 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 93 Resp: 76019

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.0	97.4
174	93.3	71.8	107.8



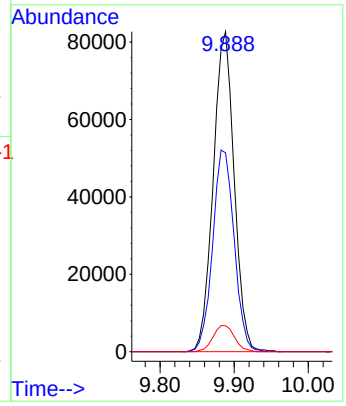


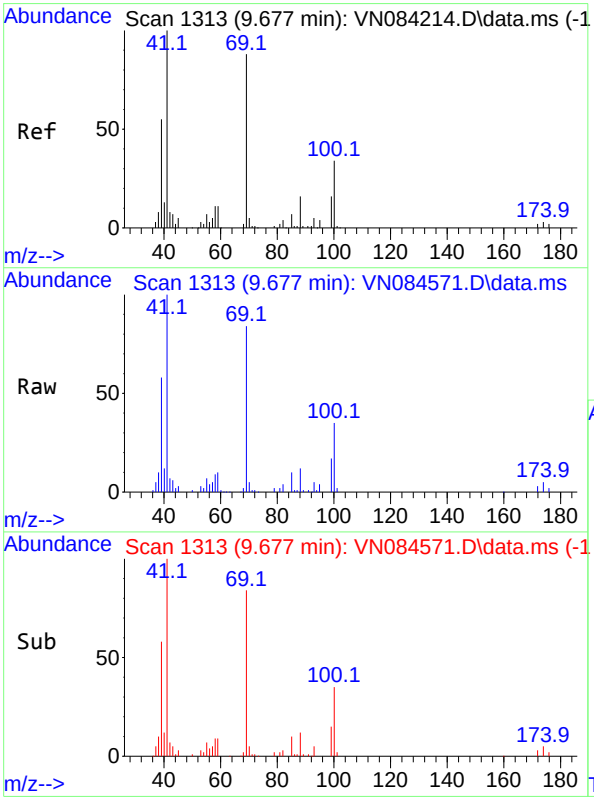
#47
Bromodichloromethane
Concen: 49.525 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 162307

Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.5	77.3
127	8.1	5.7	8.5

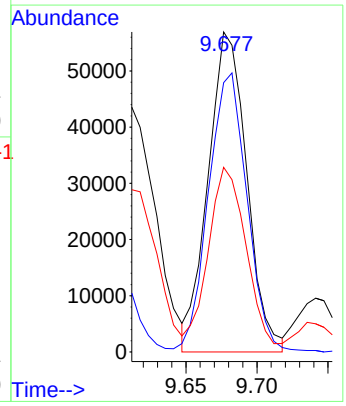


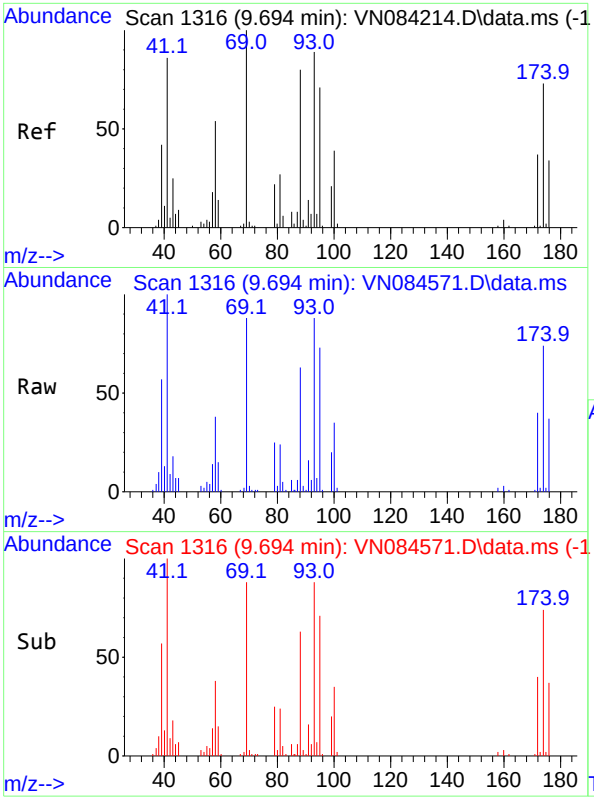


#48
Methyl methacrylate
Concen: 52.212 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 41 Resp: 107828

Ion	Ratio	Lower	Upper
41	100		
69	87.1	67.1	100.7
39	57.5	45.8	68.6



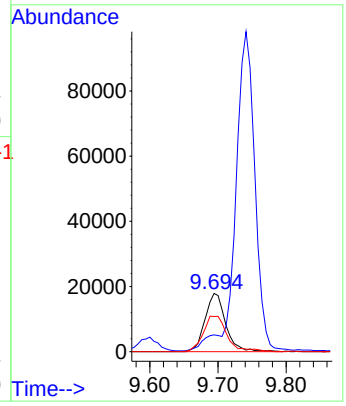


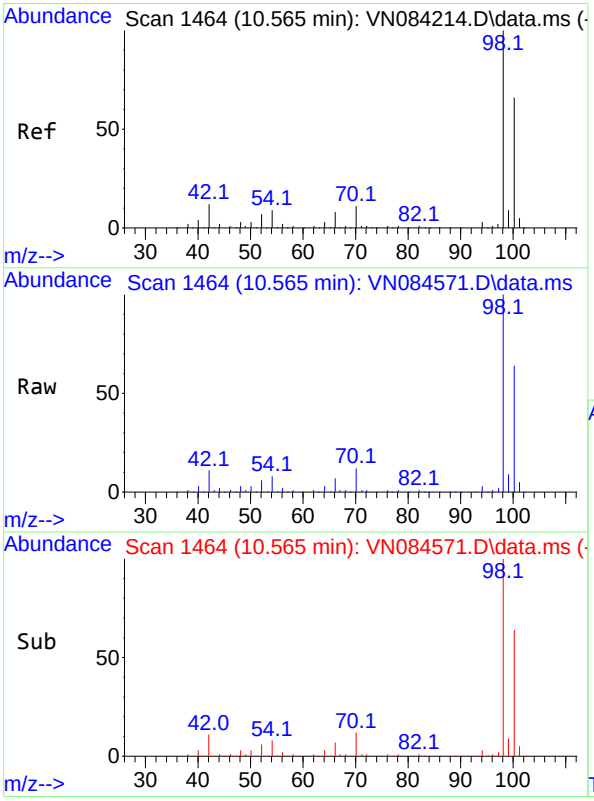
#49
1,4-Dioxane
Concen: 1030.669 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 37719

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	70.5	56.4	84.6

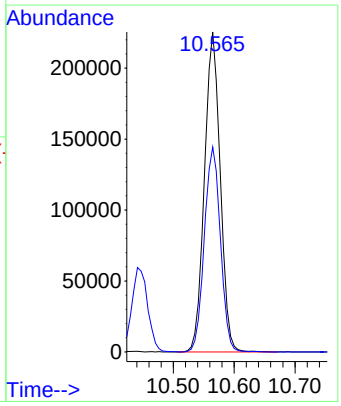


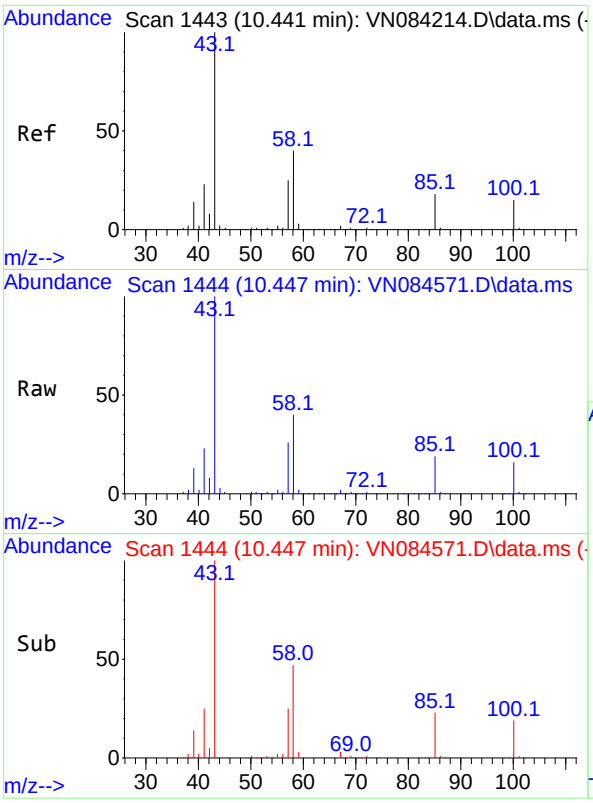


#50
Toluene-d8
Concen: 52.247 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 98 Resp: 405874

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.7	79.1



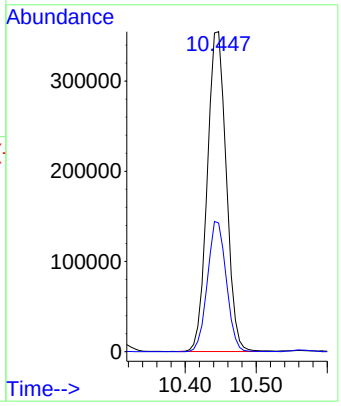


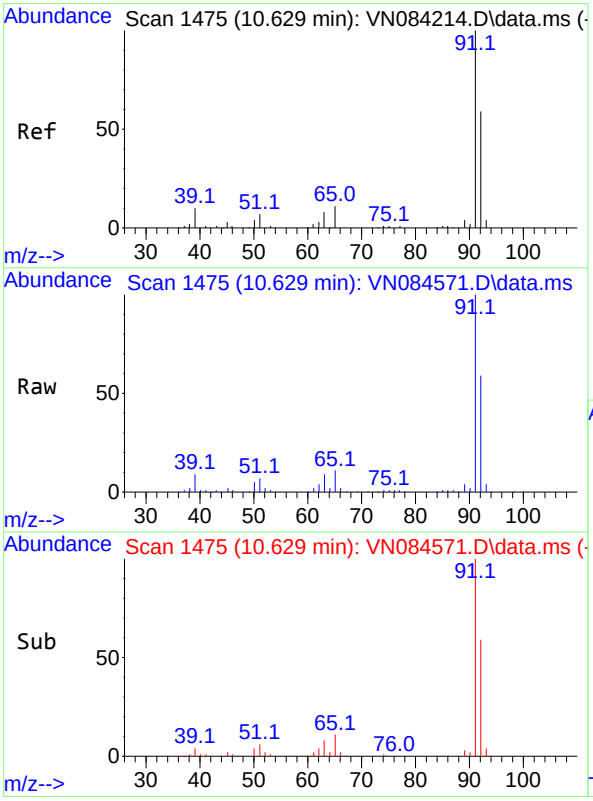
#51
4-Methyl-2-Pentanone
Concen: 260.254 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 658351

Ion	Ratio	Lower	Upper
43	100		
58	40.4	31.6	47.4

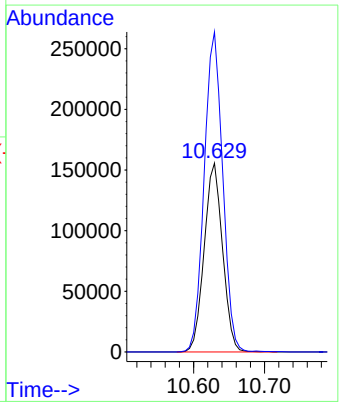


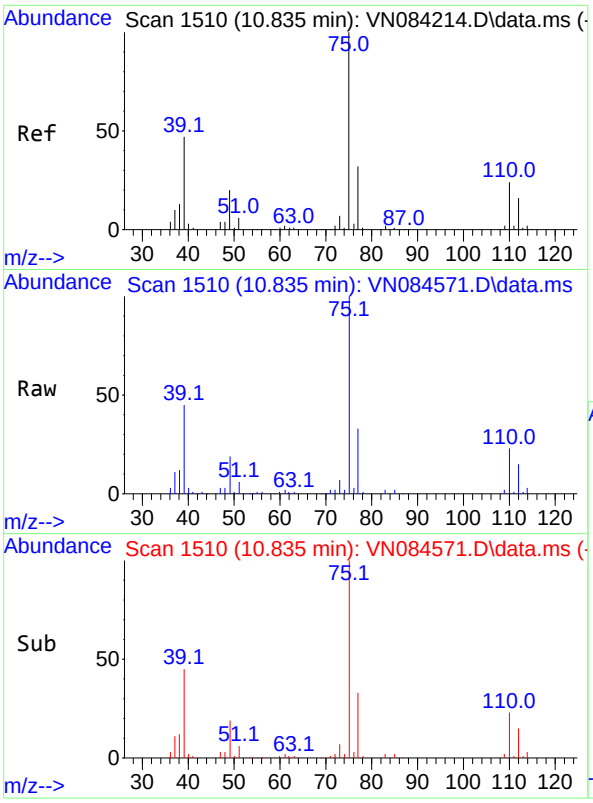


#52
Toluene
Concen: 50.978 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 92 Resp: 280034

Ion	Ratio	Lower	Upper
92	100		
91	170.3	137.3	205.9



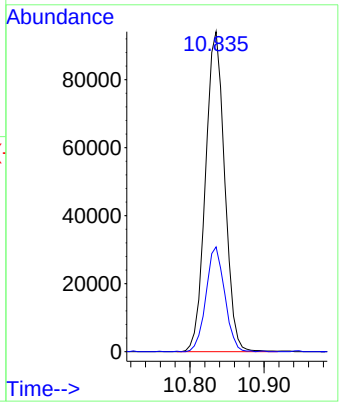


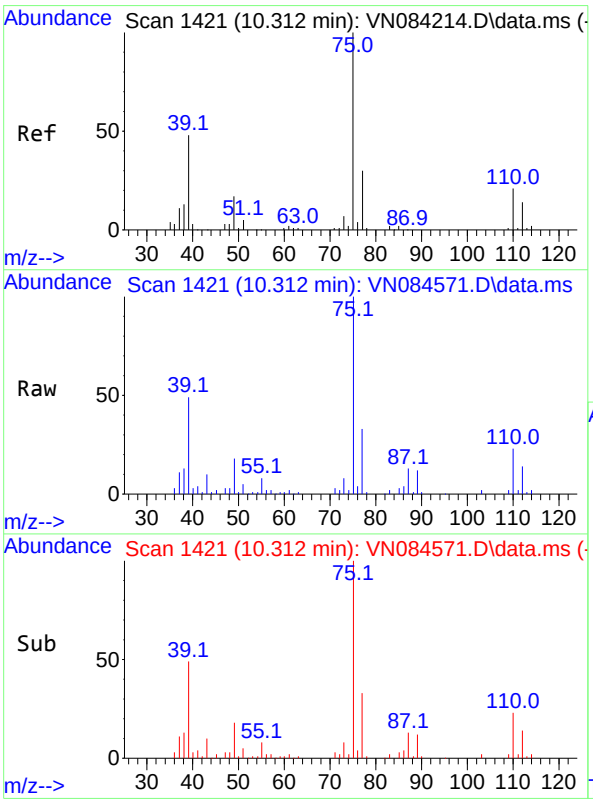
#53
t-1,3-Dichloropropene
Concen: 49.843 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 169085

Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.4	38.0

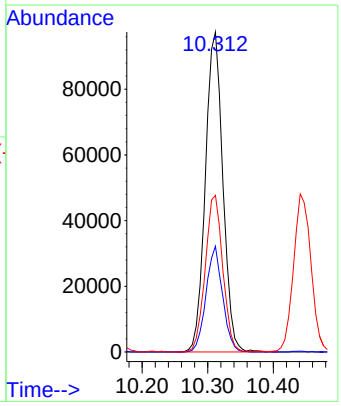


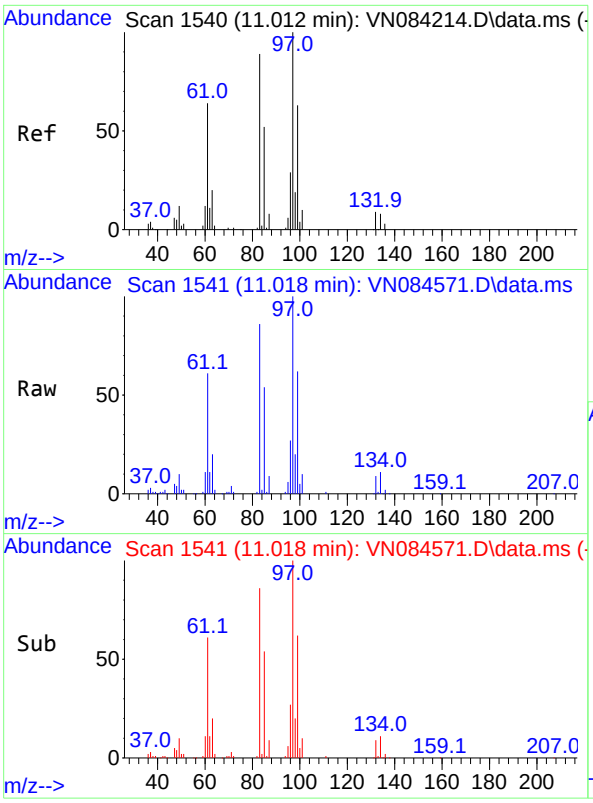


#54
cis-1,3-Dichloropropene
Concen: 50.386 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 75 Resp: 180909

Ion	Ratio	Lower	Upper
75	100		
77	33.1	24.2	36.2
39	48.9	38.7	58.1



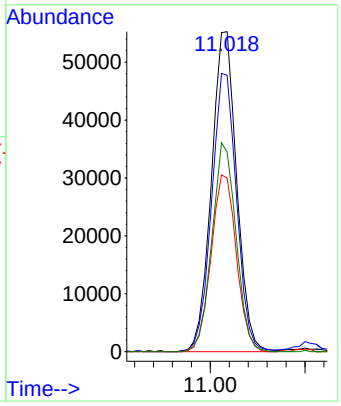


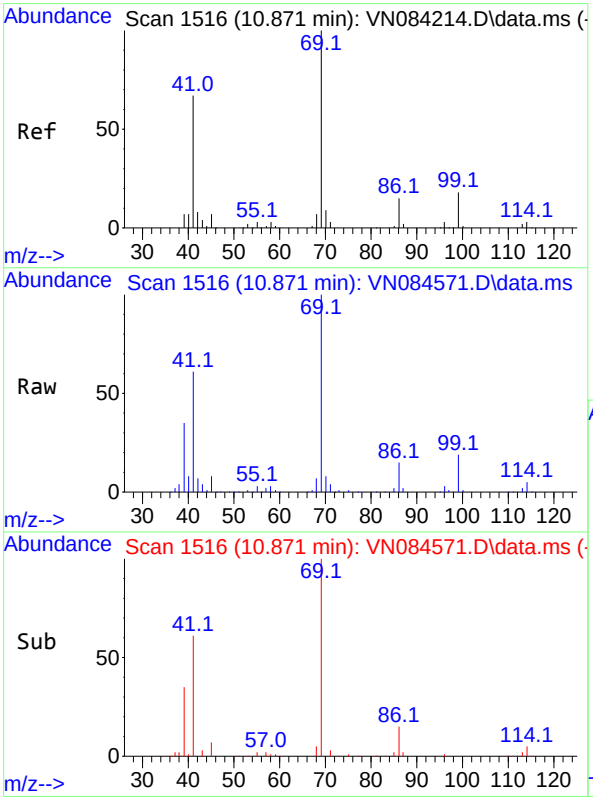
#55
1,1,2-Trichloroethane
Concen: 49.487 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 102401

Ion	Ratio	Lower	Upper
97	100		
83	86.4	71.0	106.4
85	54.2	41.7	62.5
99	62.4	50.1	75.1

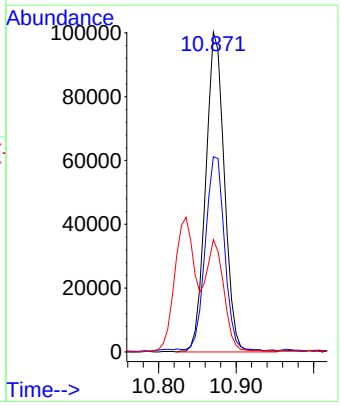


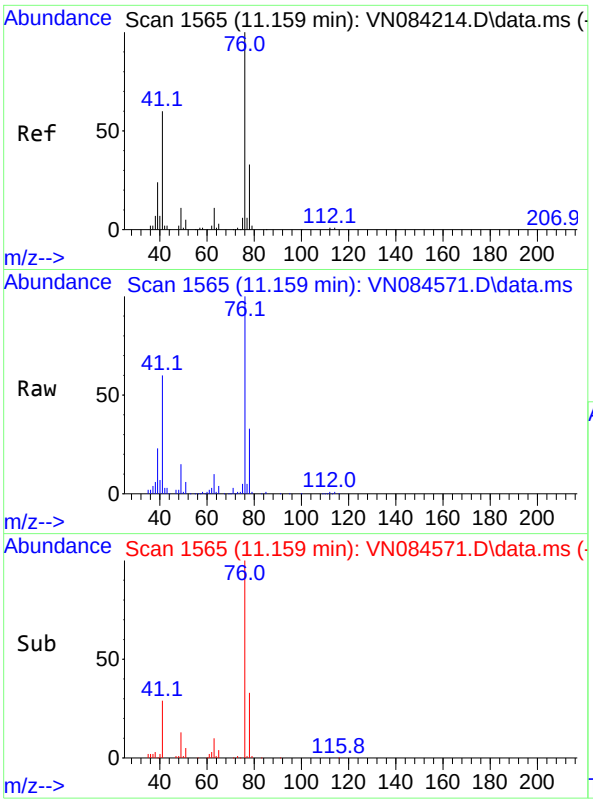


#56
Ethyl methacrylate
Concen: 56.150 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 69 Resp: 168060

Ion	Ratio	Lower	Upper
69	100		
41	63.8	53.3	79.9
39	33.4	28.8	43.2



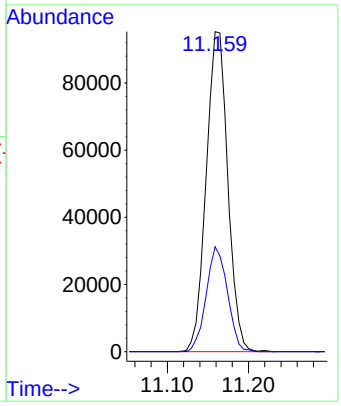


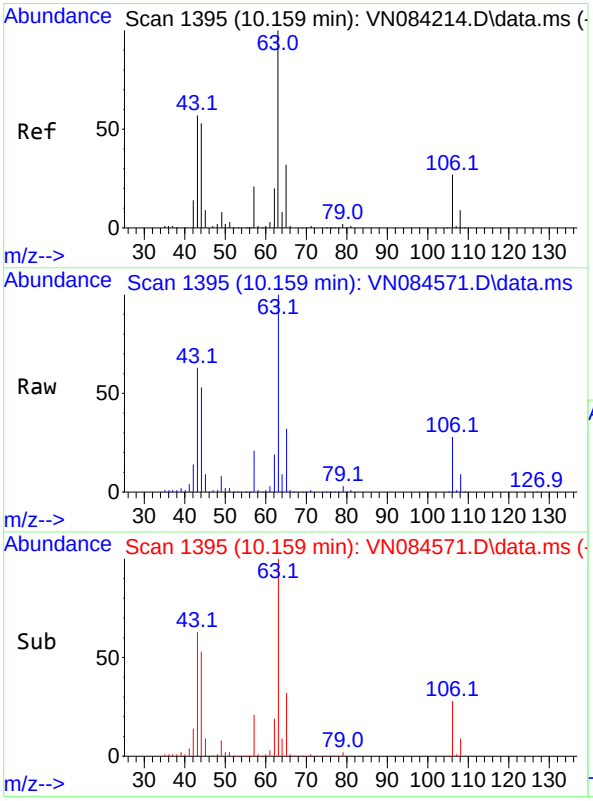
#57
1,3-Dichloropropane
Concen: 49.539 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 175929

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

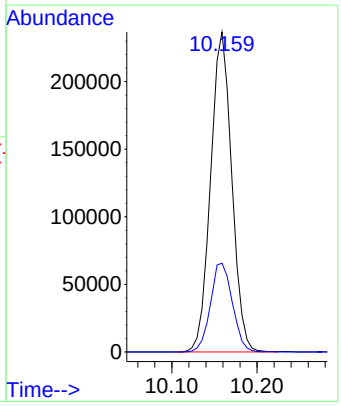


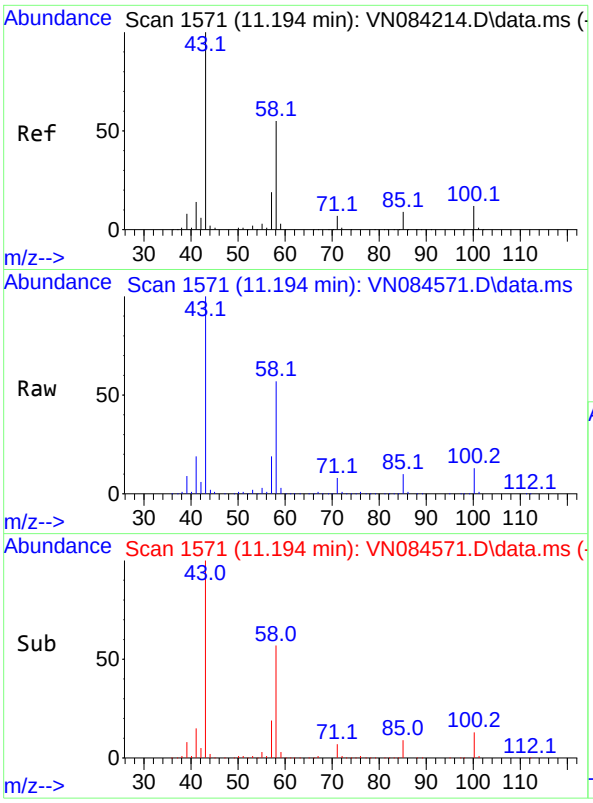


#58
2-Chloroethyl Vinyl ether
Concen: 291.210 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 63 Resp: 407857

Ion	Ratio	Lower	Upper
63	100		
106	28.9	21.8	32.6



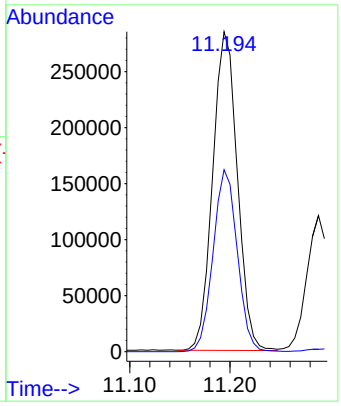


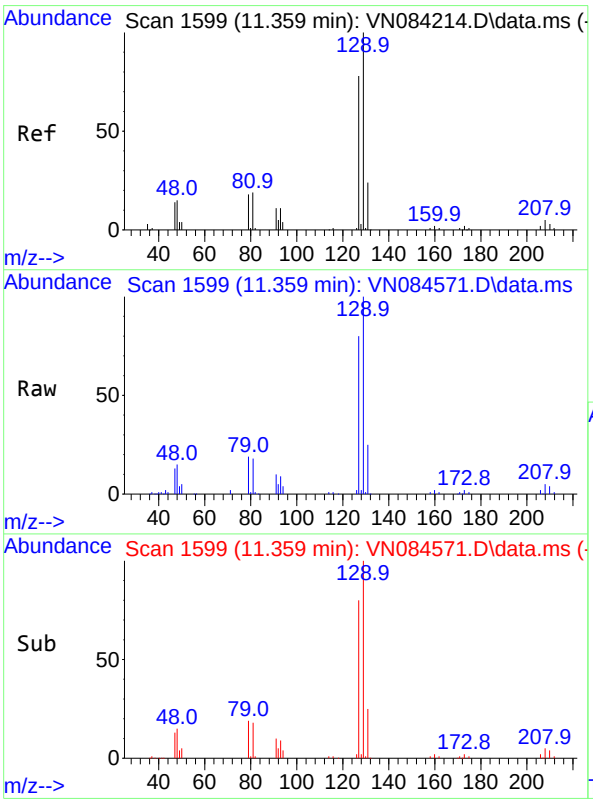
#59
2-Hexanone
Concen: 263.615 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 485391

Ion	Ratio	Lower	Upper
43	100		
58	56.0	27.3	81.8

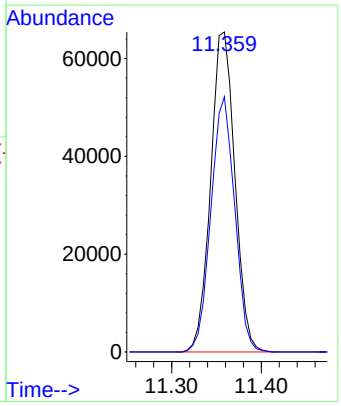


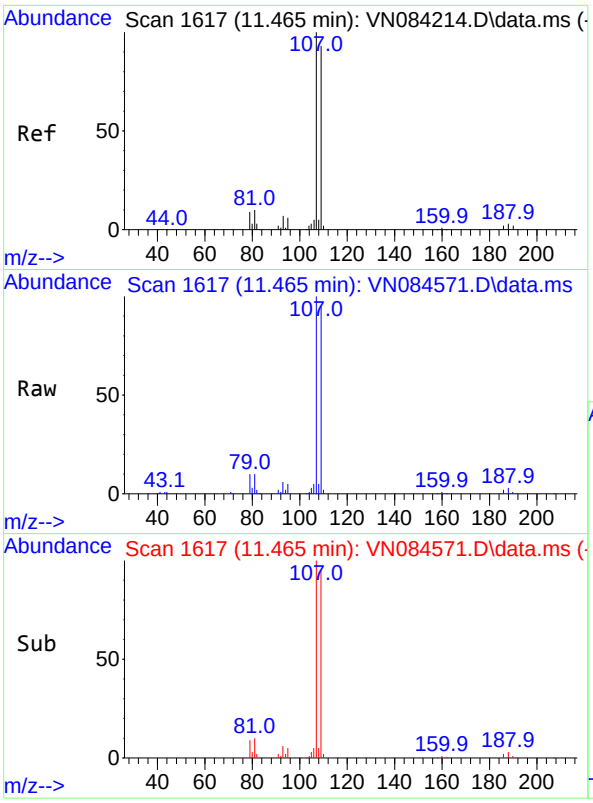


#60
Dibromochloromethane
Concen: 52.078 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:129 Resp: 122816

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.3	114.9



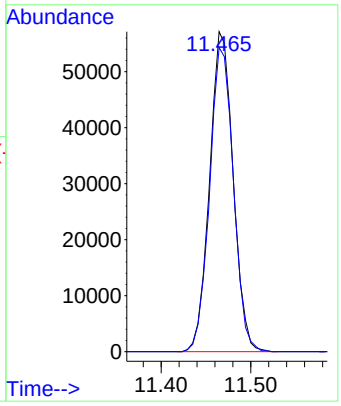


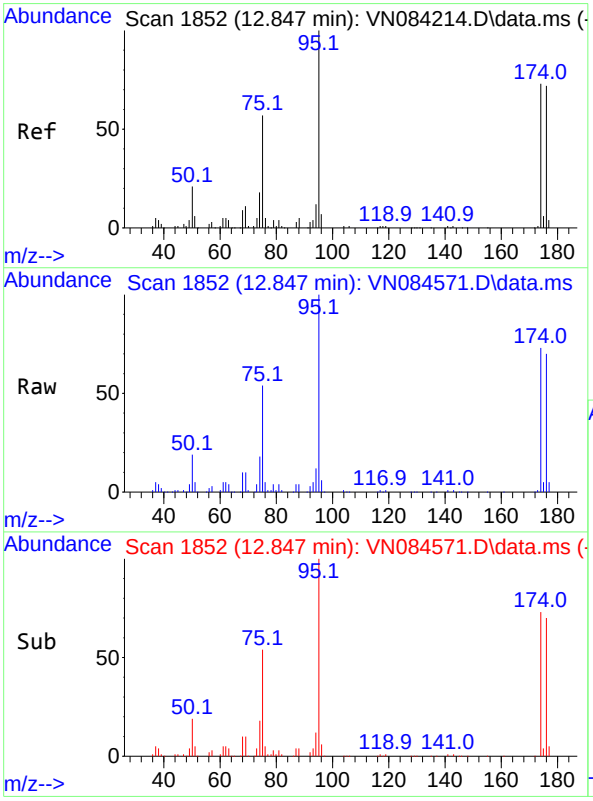
#61
1,2-Dibromoethane
Concen: 49.034 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 103901

Ion	Ratio	Lower	Upper
107	100		
109	96.1	75.4	113.0

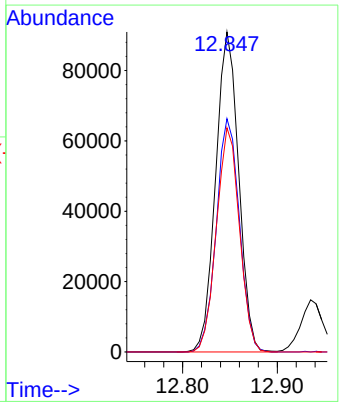


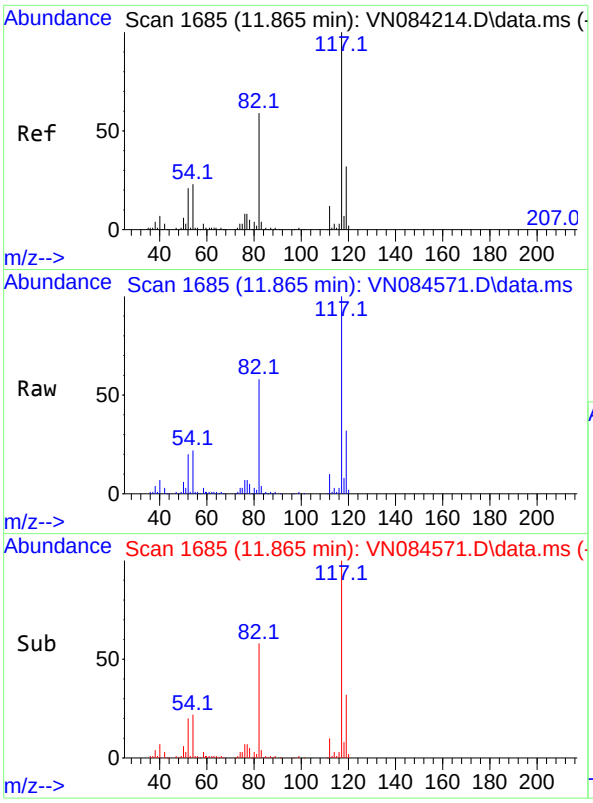


#62
4-Bromofluorobenzene
Concen: 52.913 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 95 Resp: 153622

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	145.2
176	70.0	0.0	140.0



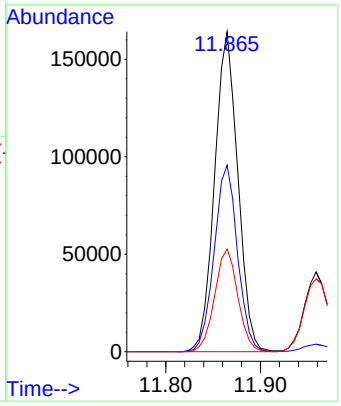


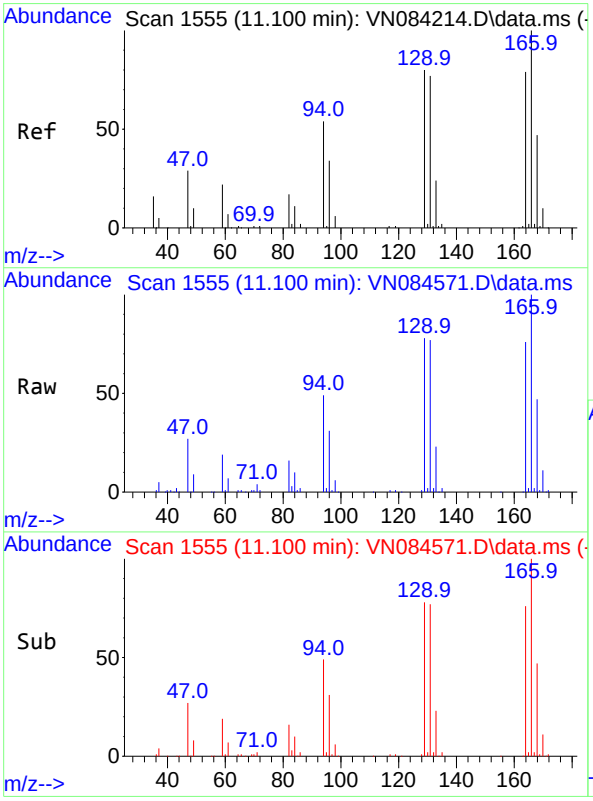
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 279228

Ion	Ratio	Lower	Upper
117	100		
82	58.3	47.2	70.8
119	32.1	25.4	38.0

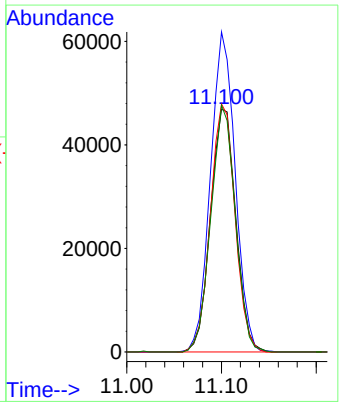


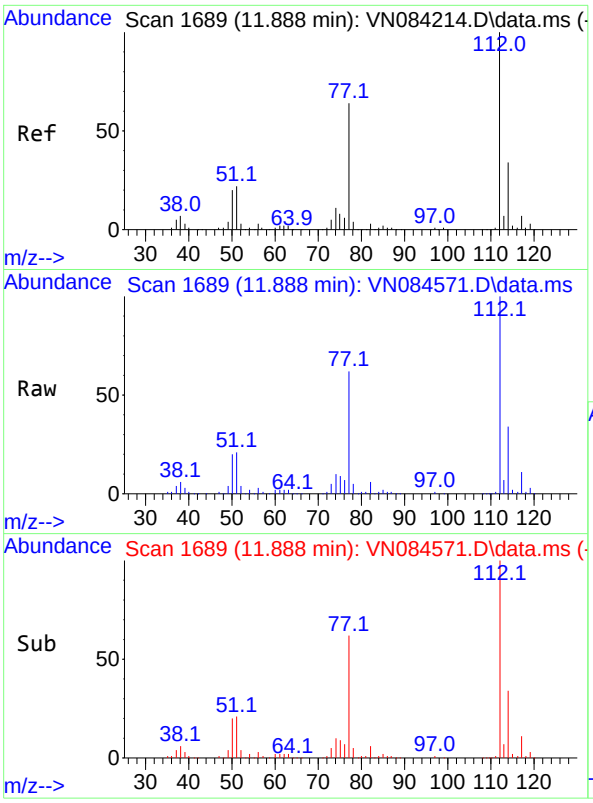


#64
Tetrachloroethene
Concen: 47.088 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:164 Resp: 87457

Ion	Ratio	Lower	Upper
164	100		
166	131.8	101.0	151.4
129	102.2	80.8	121.2
131	101.6	78.1	117.1



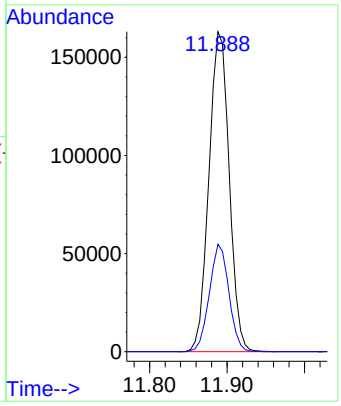


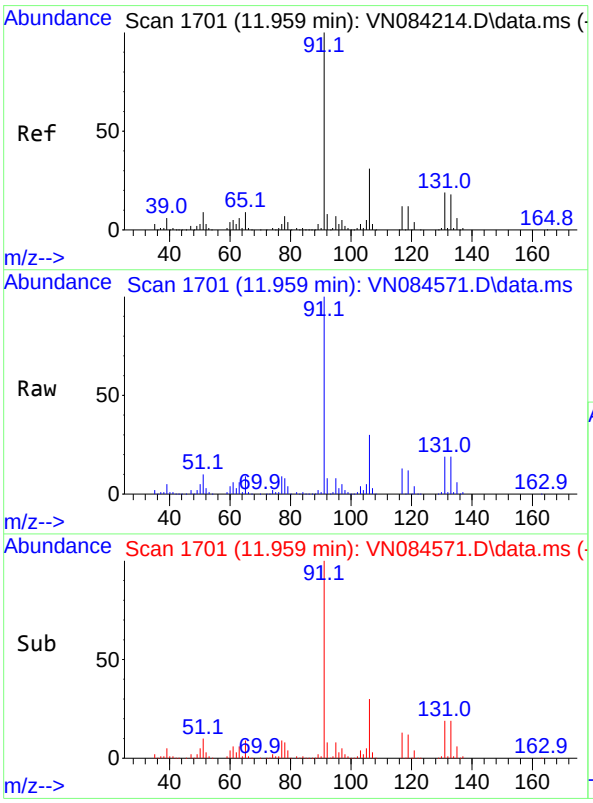
#65
Chlorobenzene
Concen: 47.416 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 296199

Ion	Ratio	Lower	Upper
112	100		
114	33.6	27.0	40.6

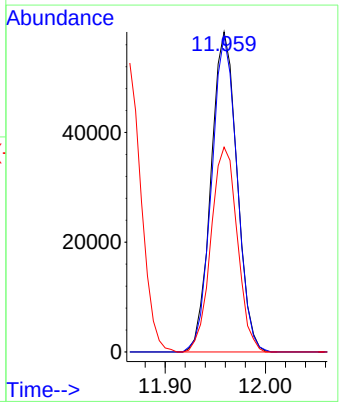


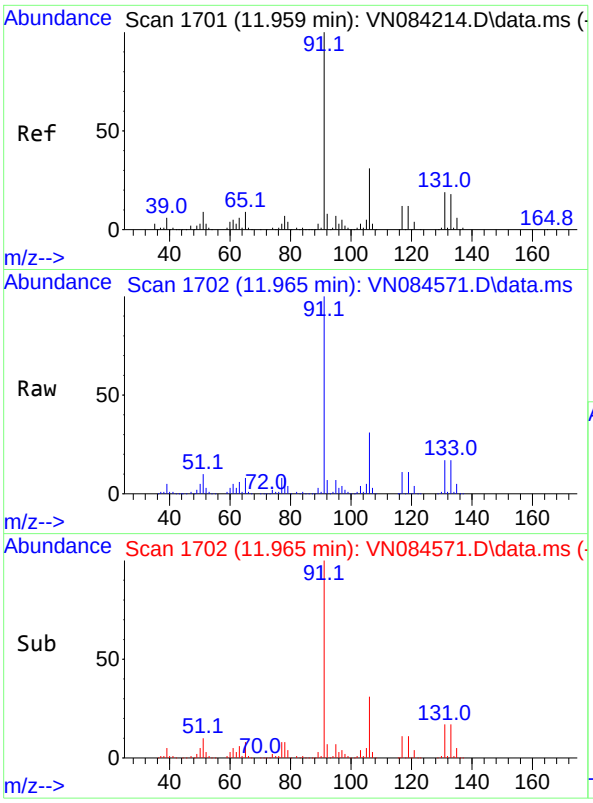


#66
1,1,1,2-Tetrachloroethane
Concen: 48.252 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:131 Resp: 104844

Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.9	143.7
119	65.0	32.8	98.3



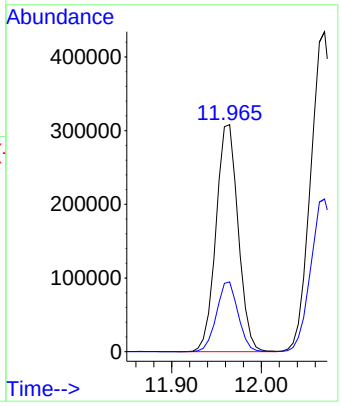


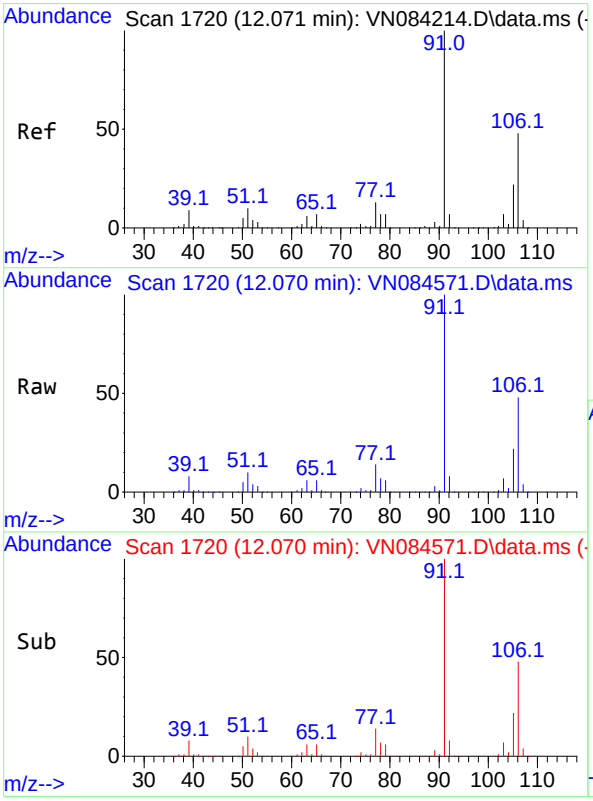
#67
Ethyl Benzene
Concen: 50.646 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 528107

Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.5	36.7

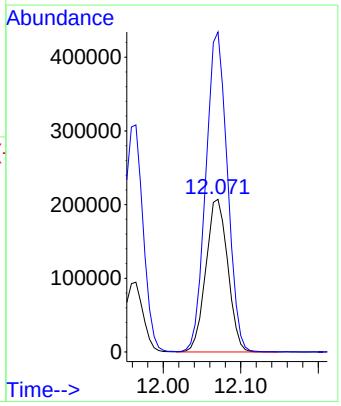


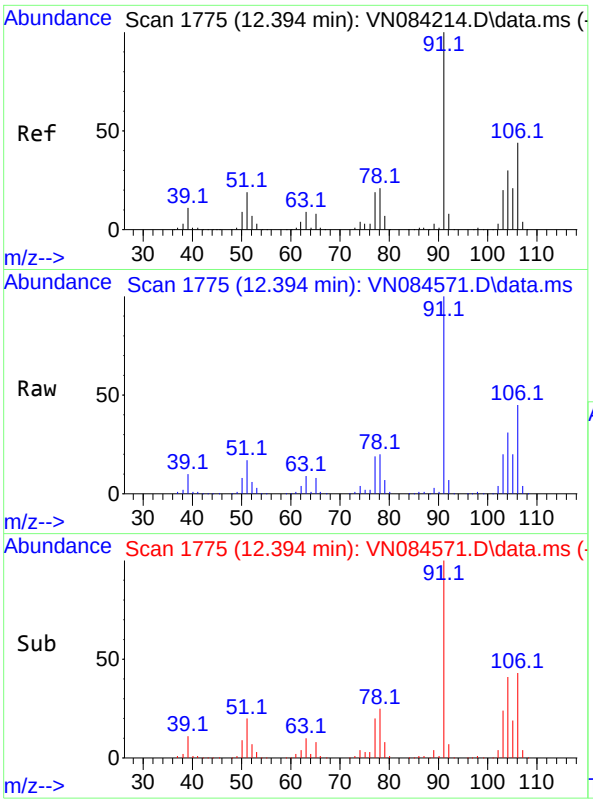


#68
m/p-Xylenes
Concen: 103.053 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:106 Resp: 406816

Ion	Ratio	Lower	Upper
106	100		
91	206.2	167.1	250.7



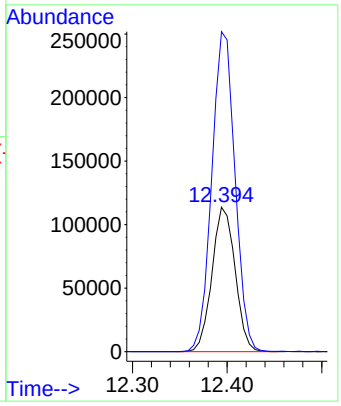


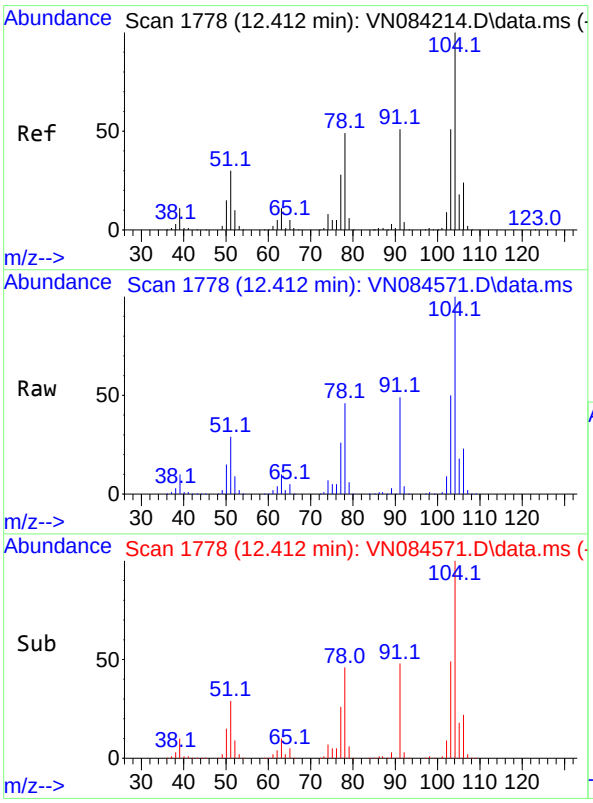
#69
o-Xylene
Concen: 52.183 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 192710

Ion	Ratio	Lower	Upper
106	100		
91	222.8	110.2	330.6

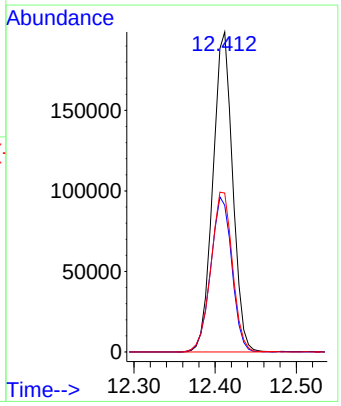


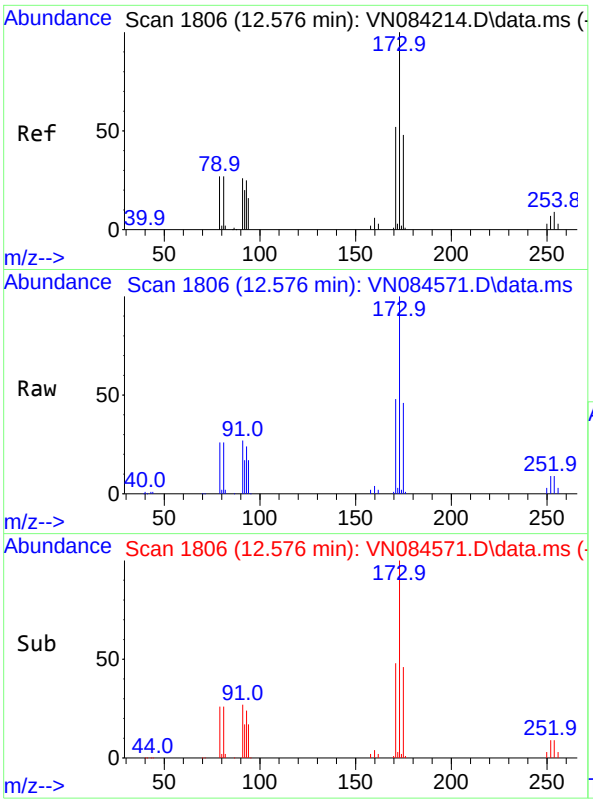


#70
Styrene
Concen: 52.245 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:104 Resp: 336570

Ion	Ratio	Lower	Upper
104	100		
78	51.7	42.7	64.1
103	54.4	43.6	65.4



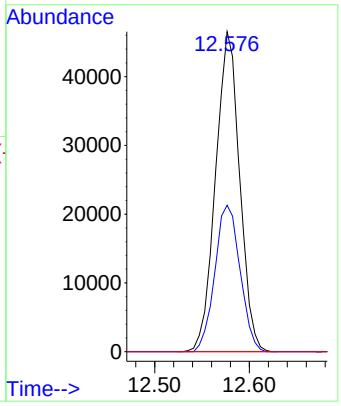


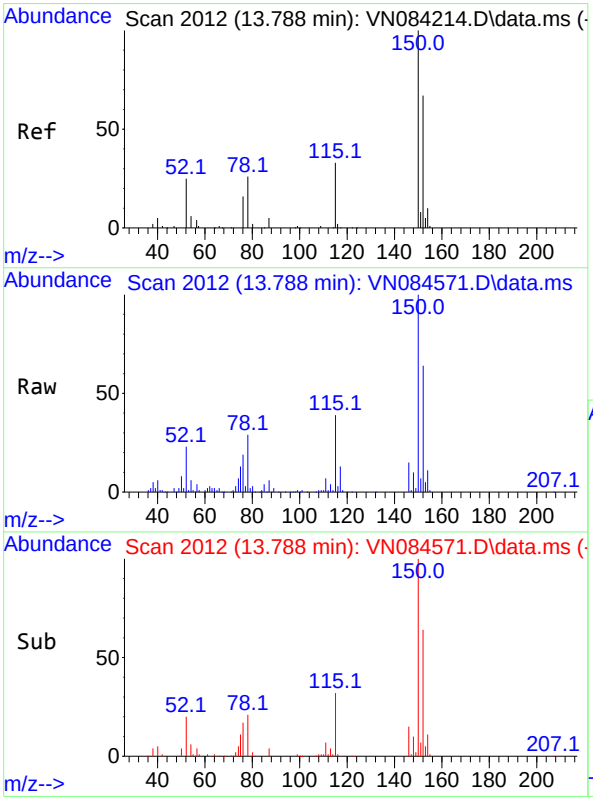
#71
Bromoform
Concen: 50.303 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 82245

Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.5	70.6
254	0.0	0.0	0.0

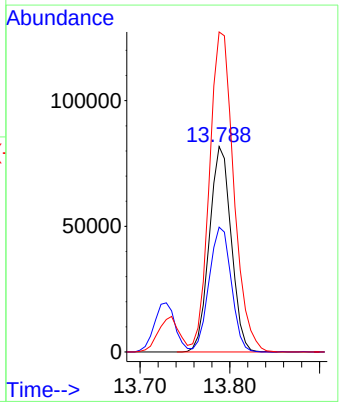


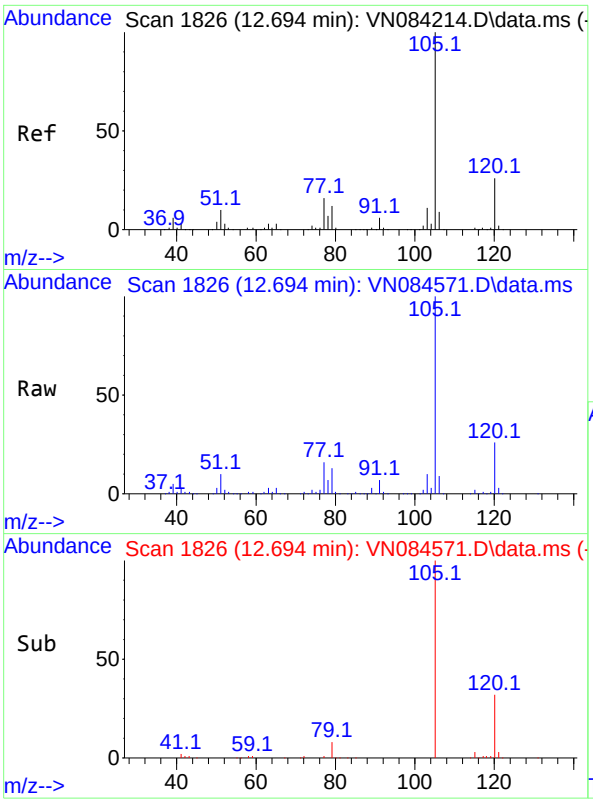


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:152 Resp: 138307

Ion	Ratio	Lower	Upper
152	100		
115	61.6	31.3	93.9
150	173.8	0.0	349.8



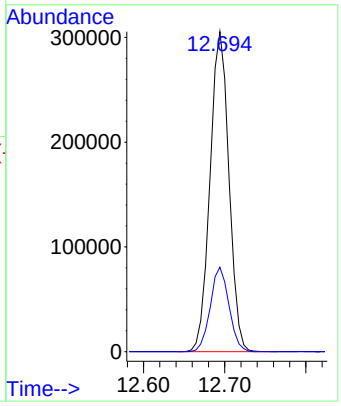


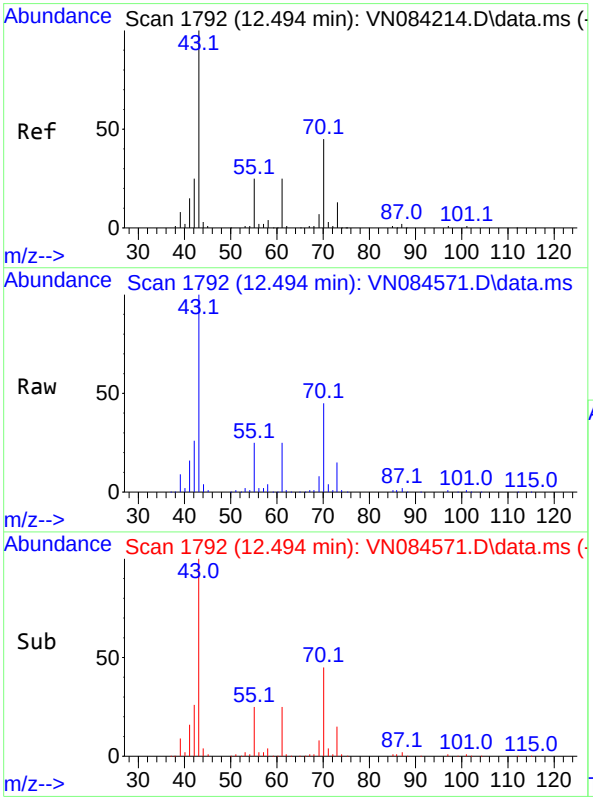
#73
Isopropylbenzene
Concen: 50.942 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 493742

Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.9	38.7

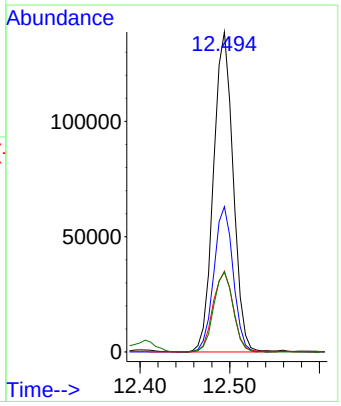


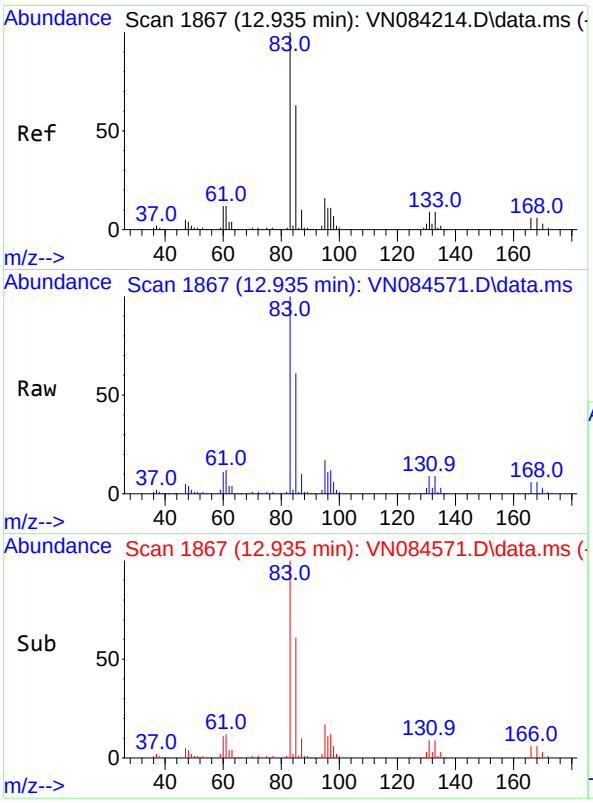


#74
N-amyl acetate
Concen: 51.228 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 43 Resp: 211326

Ion	Ratio	Lower	Upper
43	100		
70	44.6	34.4	51.6
55	25.9	19.6	29.4
61	24.8	19.6	29.4



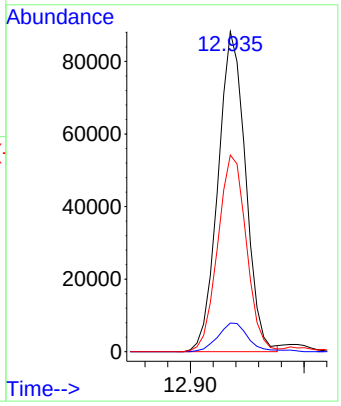


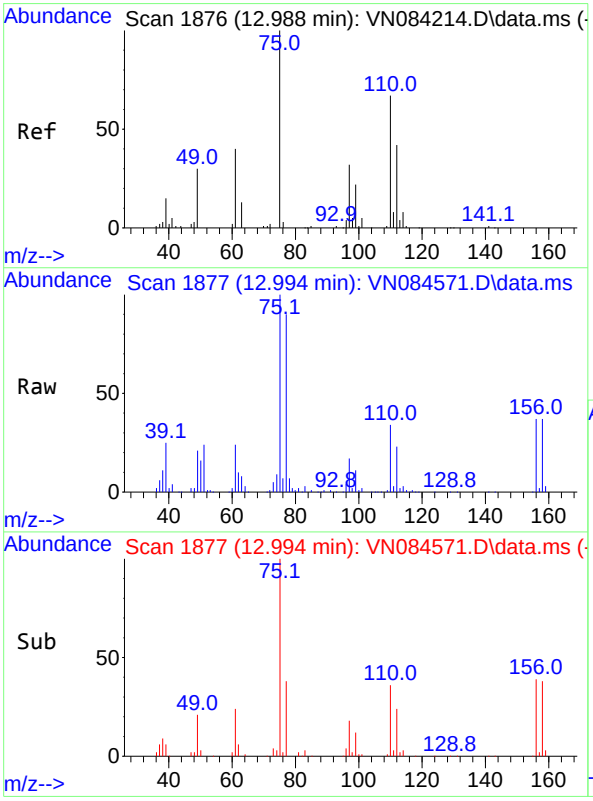
#75
1,1,2,2-Tetrachloroethane
Concen: 45.884 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 148441

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.9	14.7
85	63.7	31.9	95.7

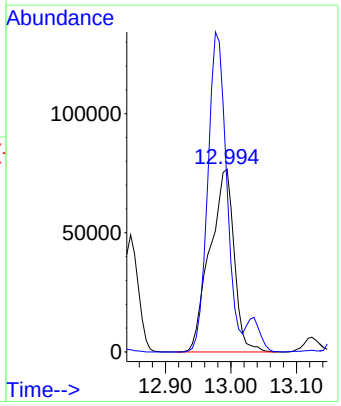


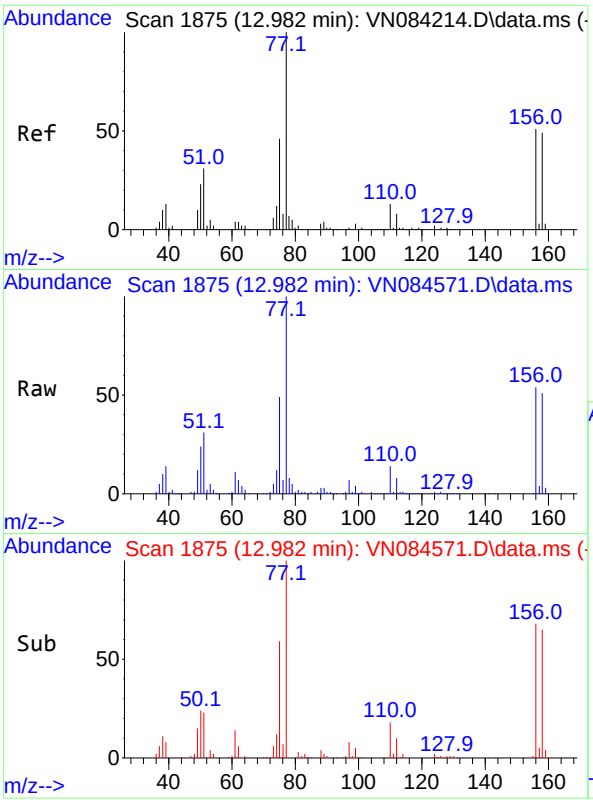


#76
1,2,3-Trichloropropane
Concen: 72.110 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 75 Resp: 196805

Ion	Ratio	Lower	Upper
75	100		
77	135.7	96.9	290.7



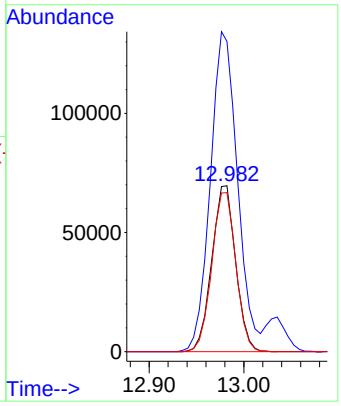


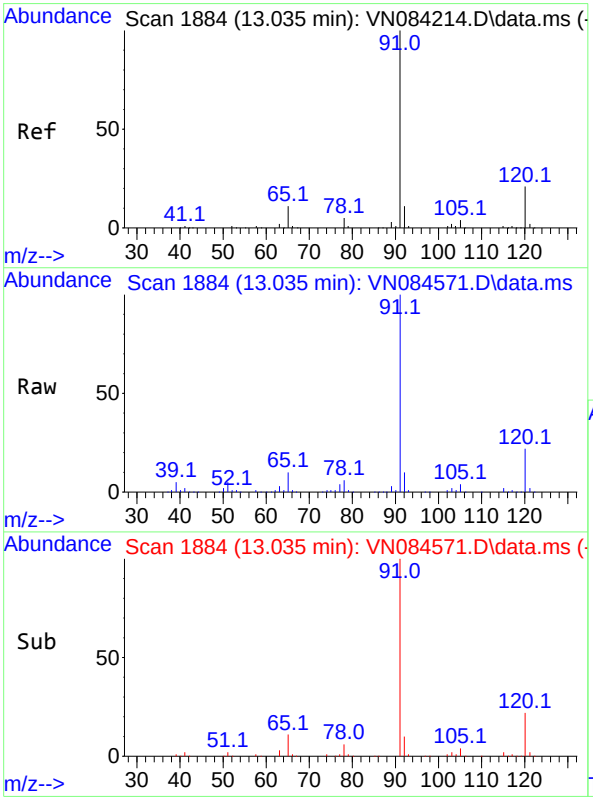
#77
Bromobenzene
Concen: 46.847 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 122062

Ion	Ratio	Lower	Upper
156	100		
77	218.7	115.1	345.3
158	96.5	48.9	146.8

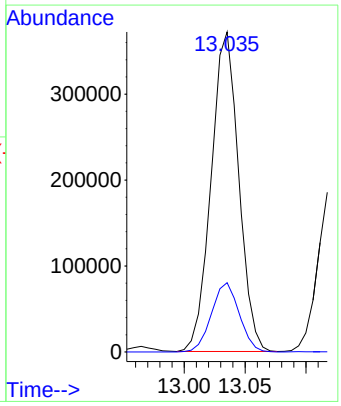


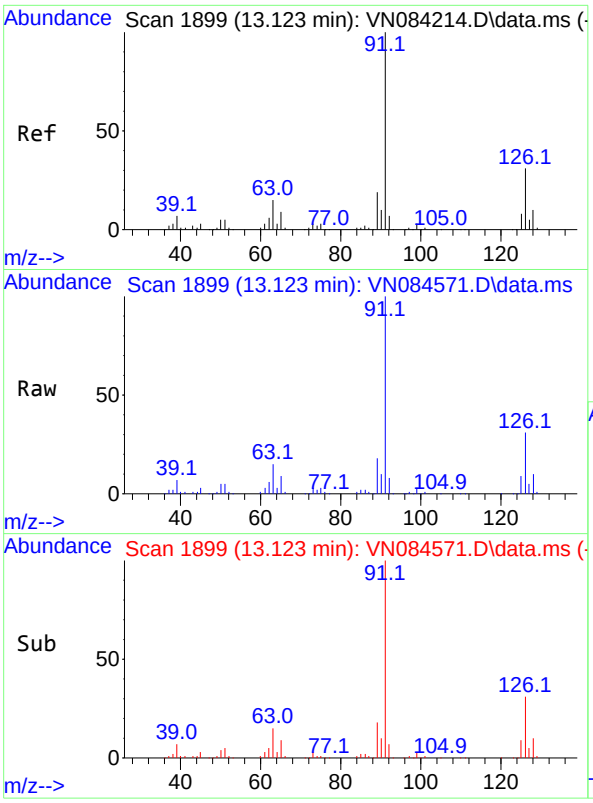


#78
n-propylbenzene
Concen: 51.587 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 91 Resp: 585903

Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.8	32.4



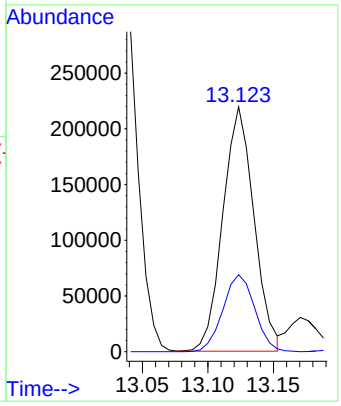


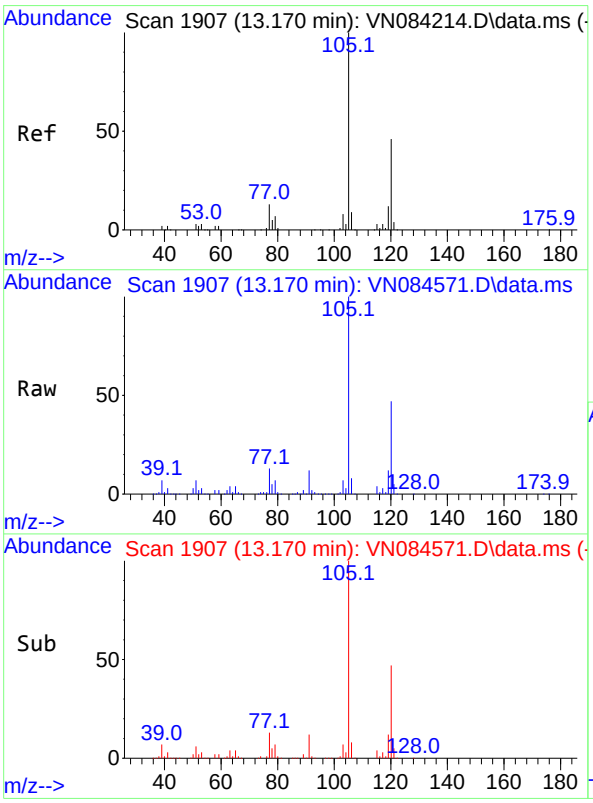
#79
2-Chlorotoluene
Concen: 48.850 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 362526

Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.7	47.1

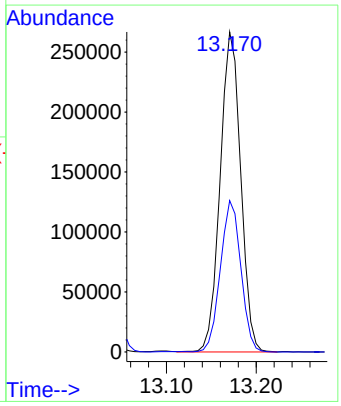


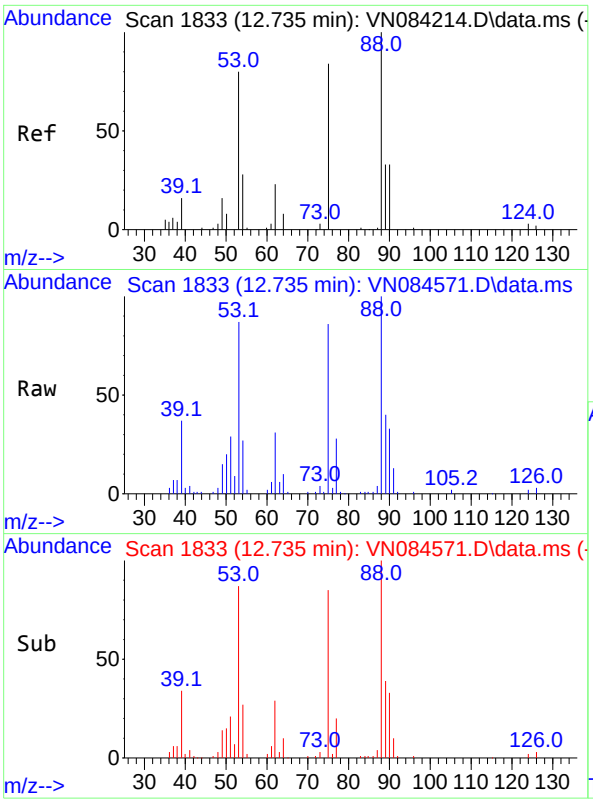


#80
1,3,5-Trimethylbenzene
Concen: 52.823 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:105 Resp: 424332

Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.7	71.1



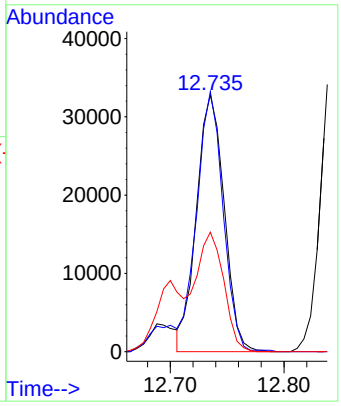


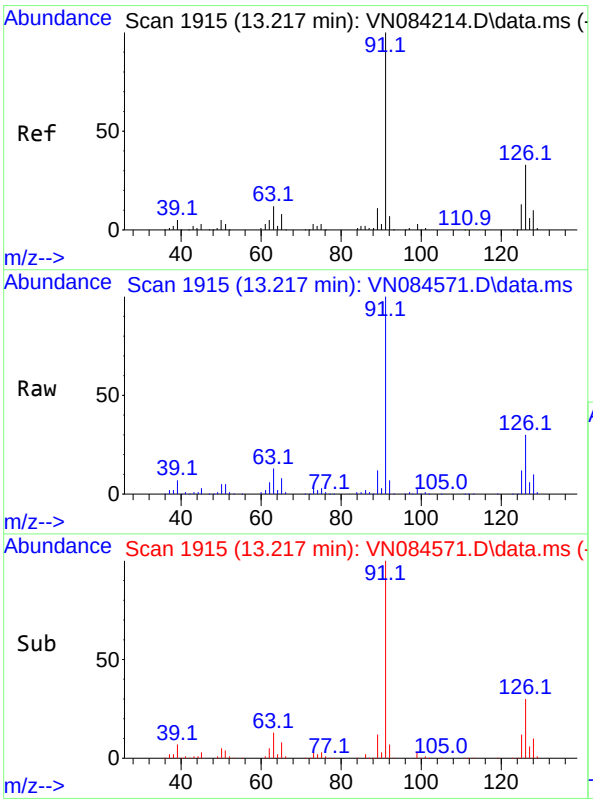
#81
trans-1,4-Dichloro-2-butene
Concen: 47.612 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 55485

Ion	Ratio	Lower	Upper
75	100		
53	107.3	78.0	117.0
89	47.3	35.5	53.3

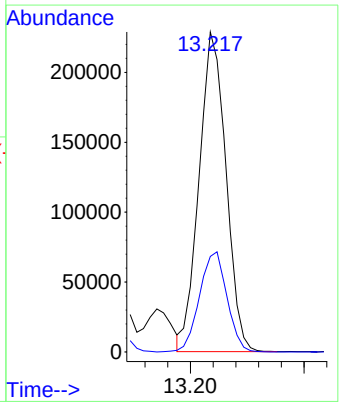


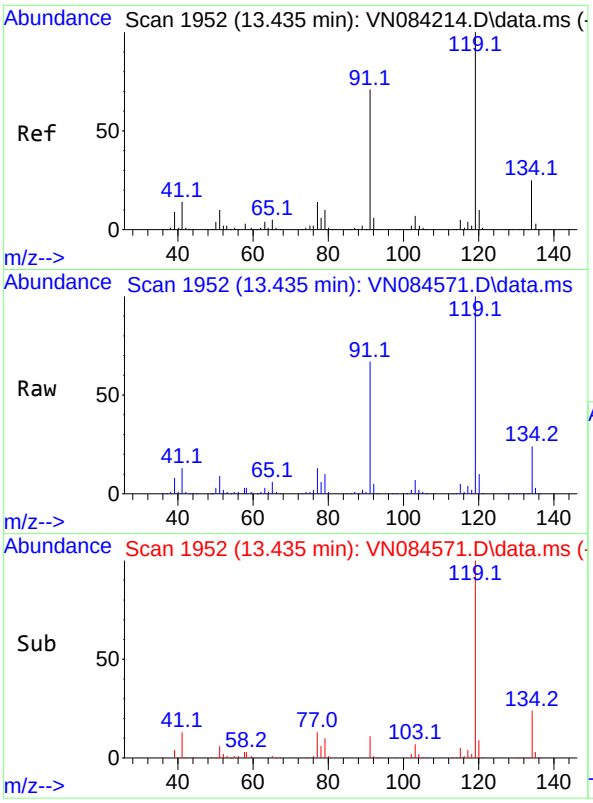


#82
4-Chlorotoluene
Concen: 48.097 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 91 Resp: 375636

Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1



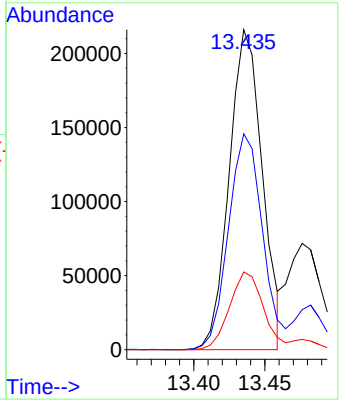


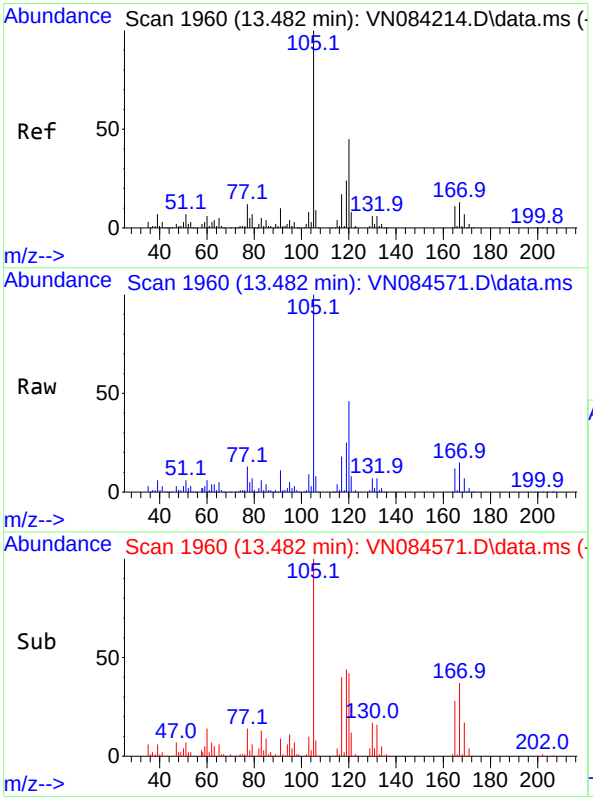
#83
tert-Butylbenzene
Concen: 52.649 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 350031

Ion	Ratio	Lower	Upper
119	100		
91	69.8	34.1	102.3
134	24.7	12.8	38.4

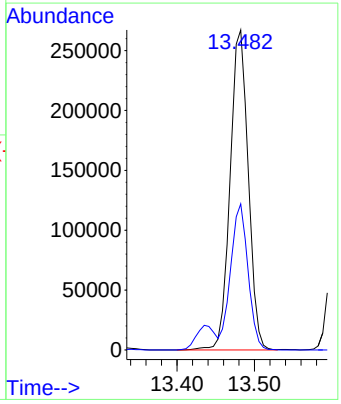


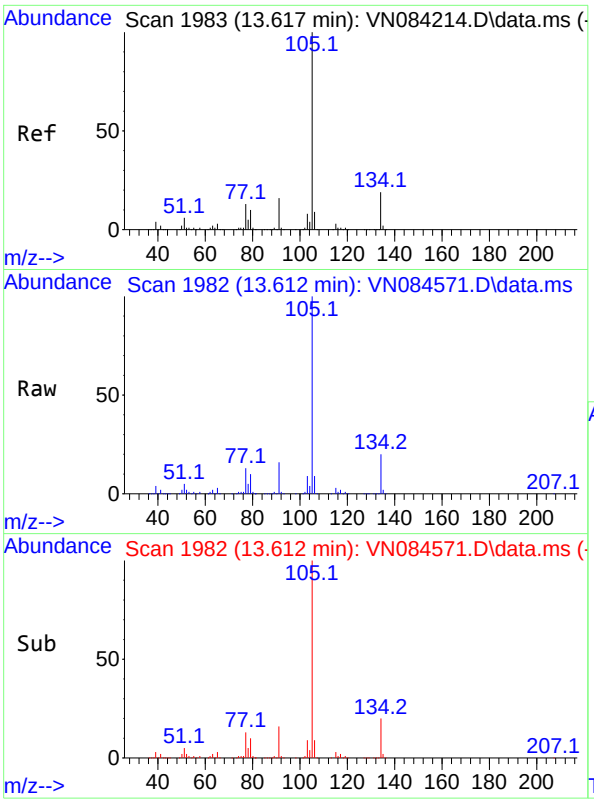


#84
1,2,4-Trimethylbenzene
Concen: 52.518 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:105 Resp: 435421

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.3	66.8



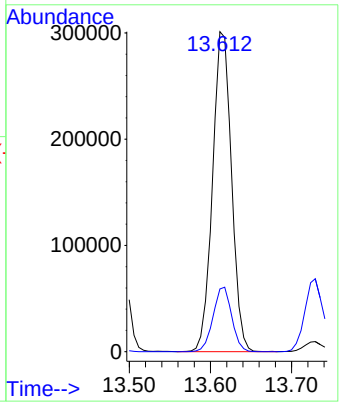


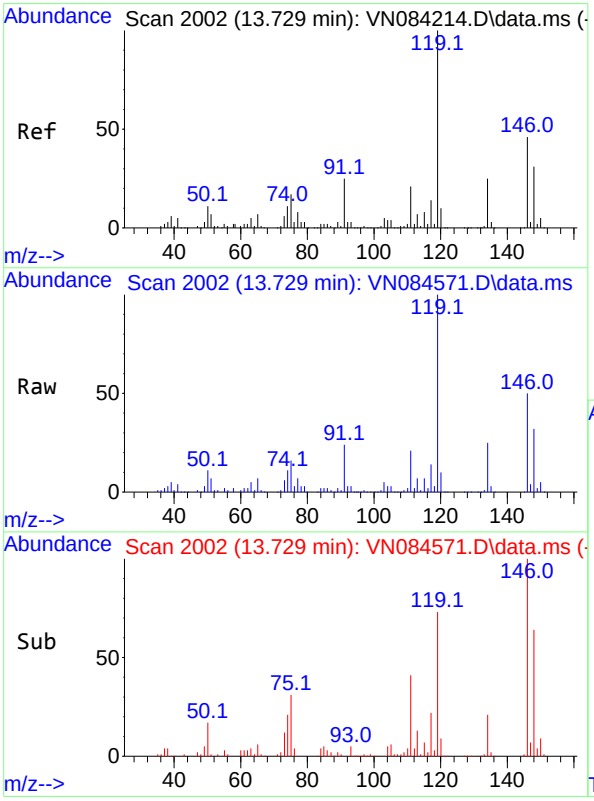
#85
sec-Butylbenzene
Concen: 52.102 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 489305

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.4

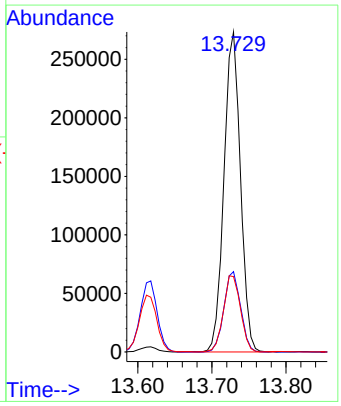


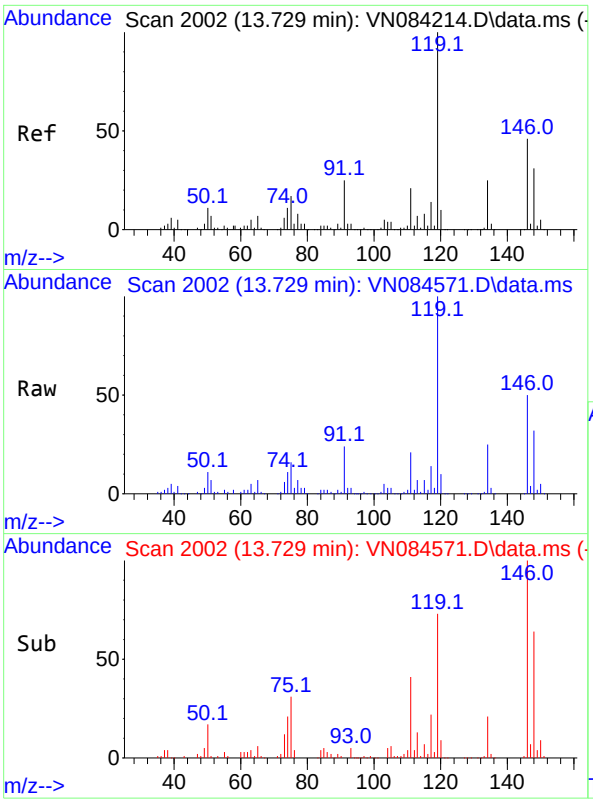


#86
p-Isopropyltoluene
Concen: 54.770 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:119 Resp: 421834

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.6	37.8
91	24.7	12.4	37.2



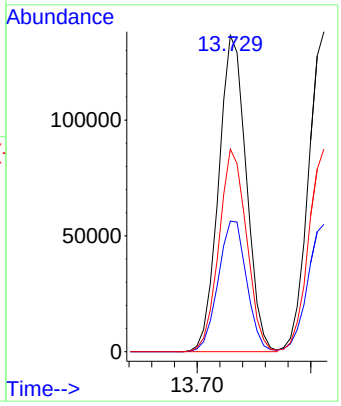


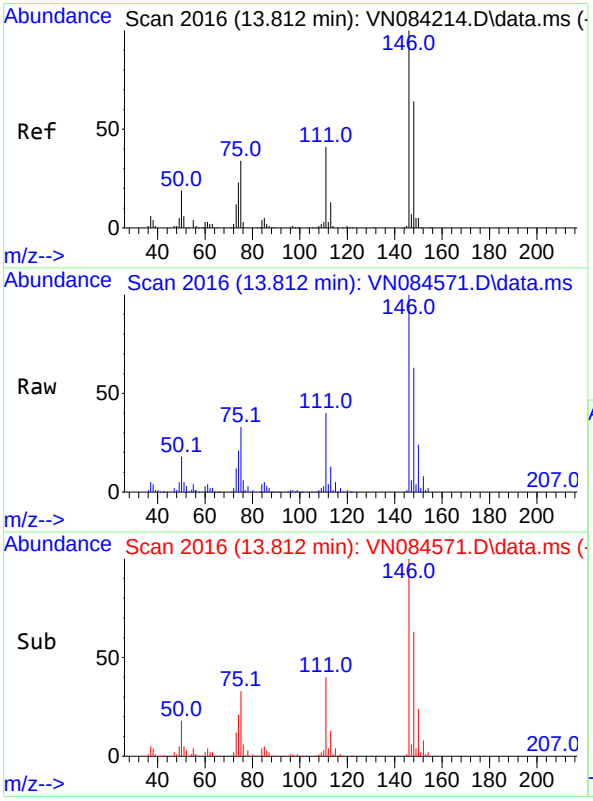
#87
1,3-Dichlorobenzene
Concen: 45.366 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 230686

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.8	65.3
148	64.1	31.9	95.7

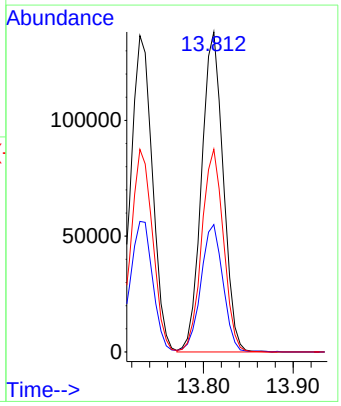


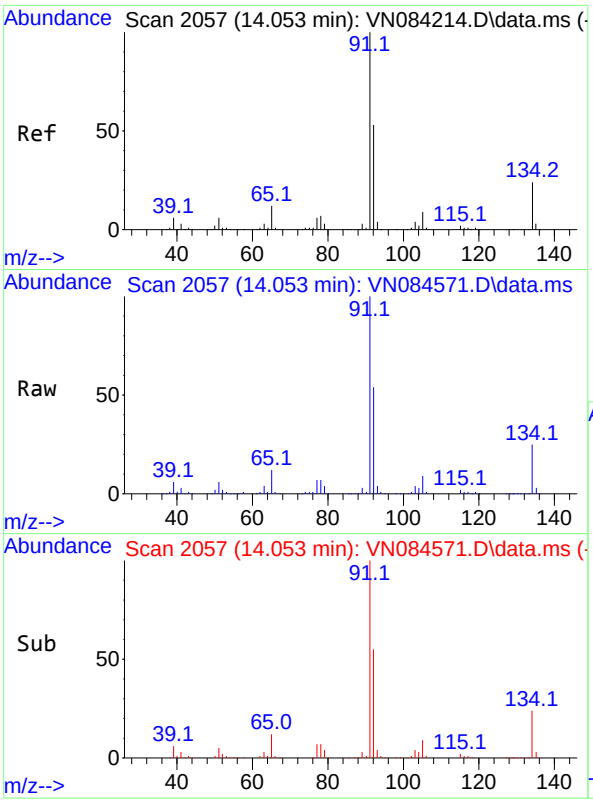


#88
1,4-Dichlorobenzene
Concen: 49.658 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:146 Resp: 231568

Ion	Ratio	Lower	Upper
146	100		
111	40.2	21.2	63.6
148	63.6	31.9	95.9



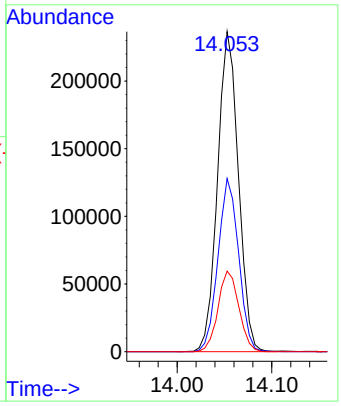


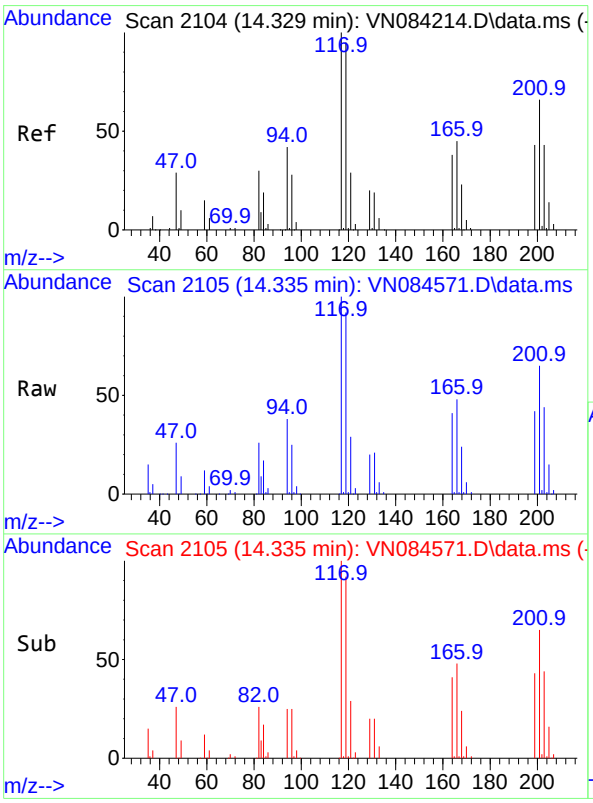
#89
n-Butylbenzene
Concen: 50.276 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 362215

Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.6	79.7
134	25.2	12.3	36.9

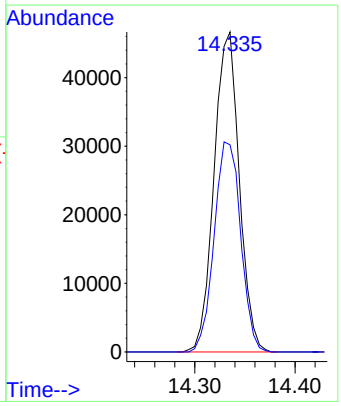


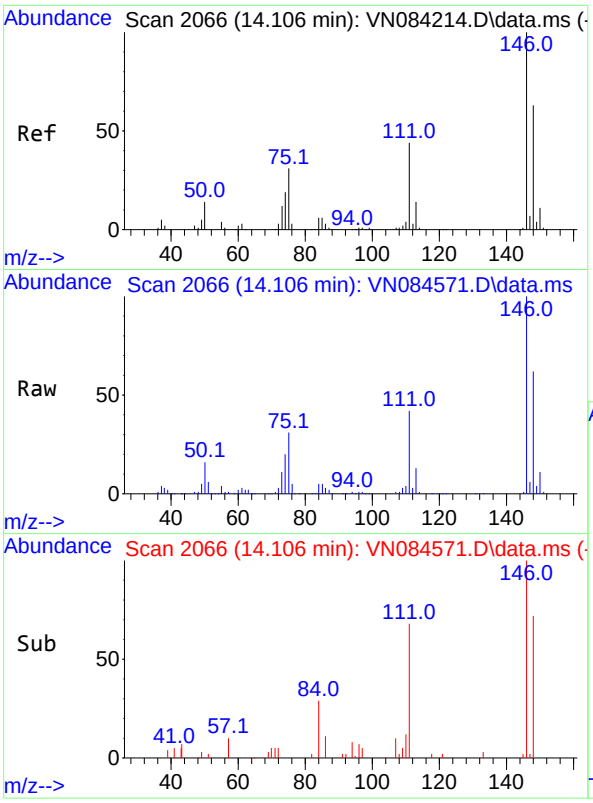


#90
Hexachloroethane
Concen: 47.459 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:117 Resp: 81515

Ion	Ratio	Lower	Upper
117	100		
201	68.9	34.4	103.2



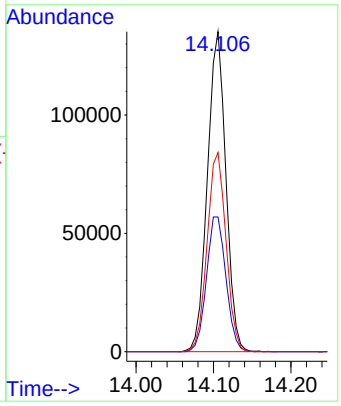


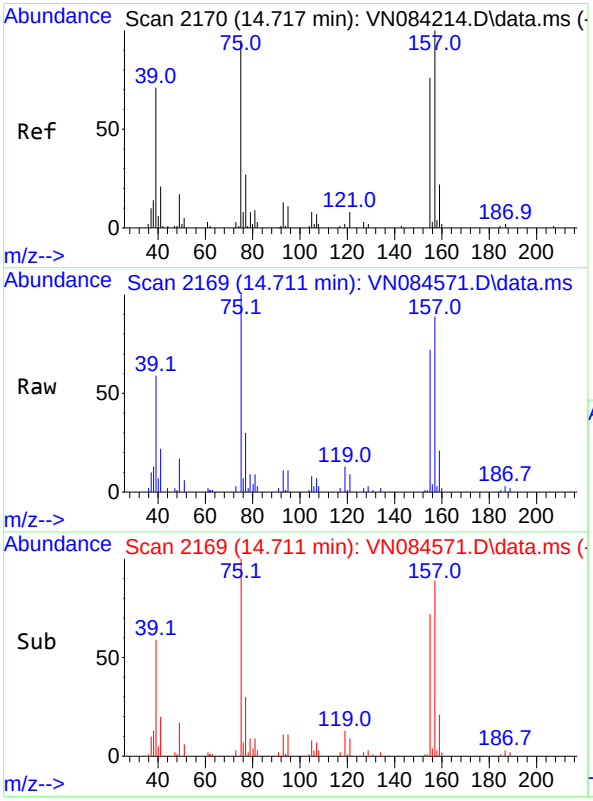
#91
1,2-Dichlorobenzene
Concen: 45.796 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 223772

Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.0	66.0
148	63.7	32.1	96.3

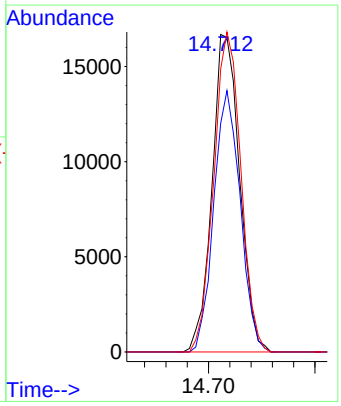


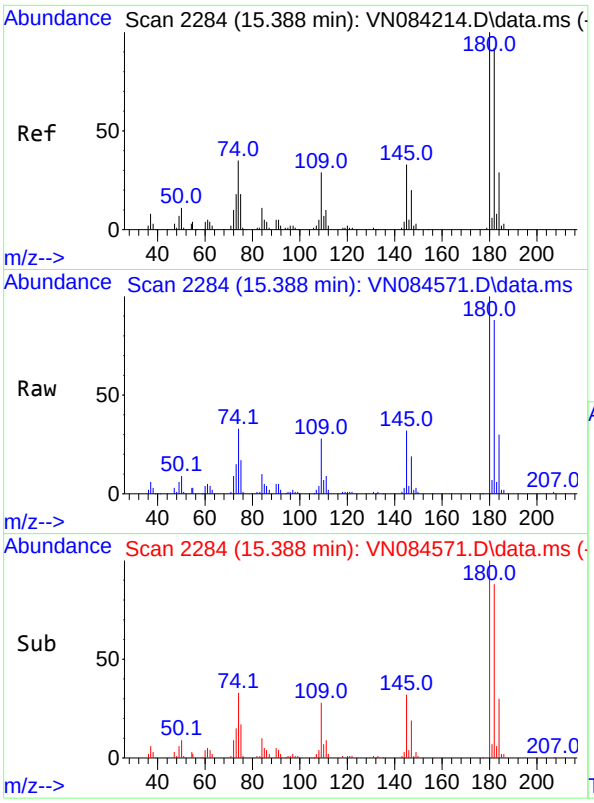


#92
1,2-Dibromo-3-Chloropropane
Concen: 45.754 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 75 Resp: 29987

Ion	Ratio	Lower	Upper
75	100		
155	79.0	38.1	114.5
157	99.0	49.6	149.0



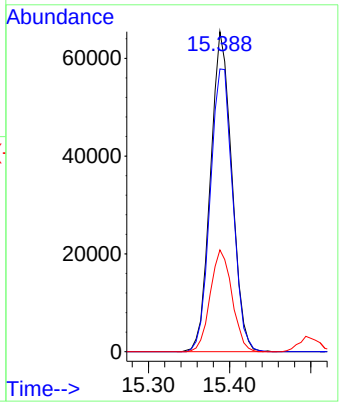


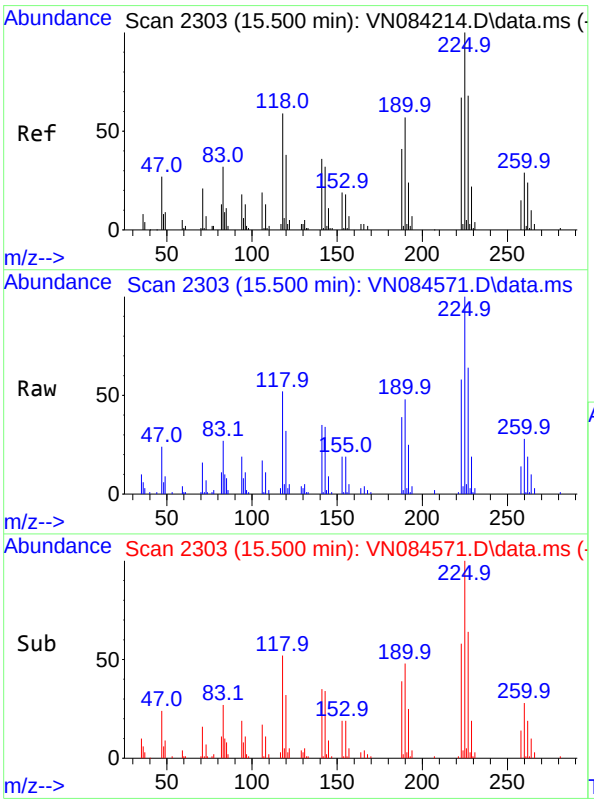
#93
1,2,4-Trichlorobenzene
Concen: 44.711 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 119579

Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.0	141.0
145	32.4	16.4	49.4

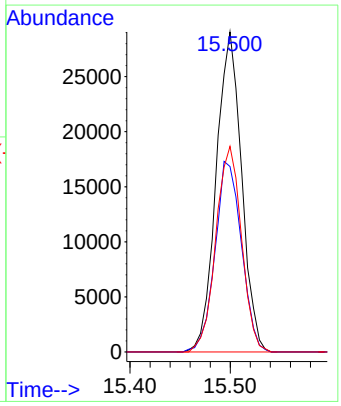


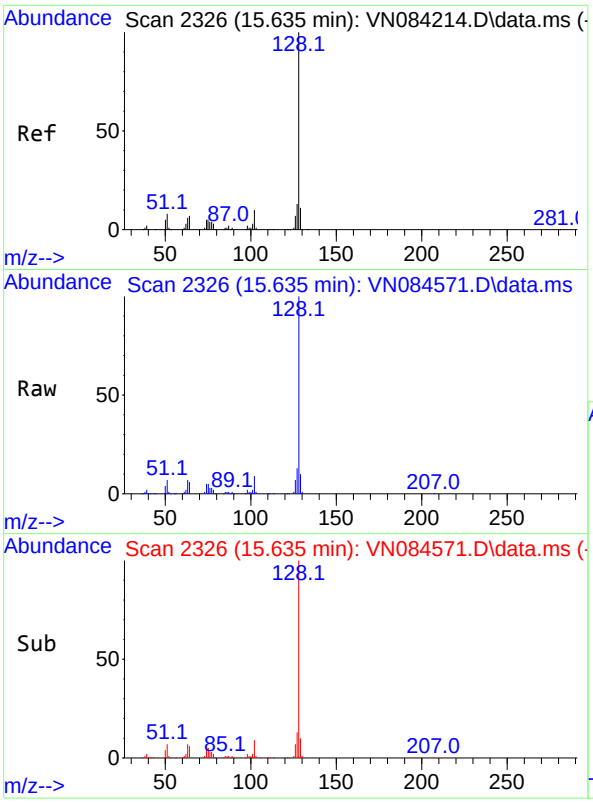


#94
Hexachlorobutadiene
Concen: 43.451 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:225 Resp: 51033

Ion	Ratio	Lower	Upper
225	100		
223	62.0	32.4	97.2
227	64.9	32.4	97.0



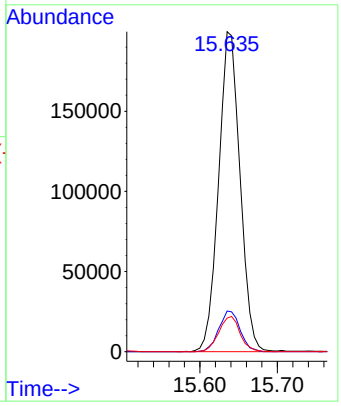


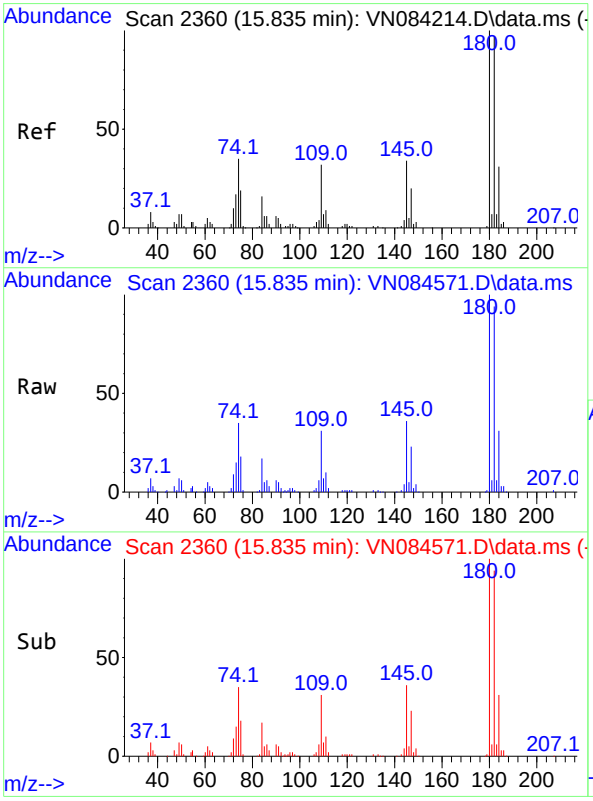
#95
Naphthalene
Concen: 48.037 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 384553

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	10.9	8.7	13.1

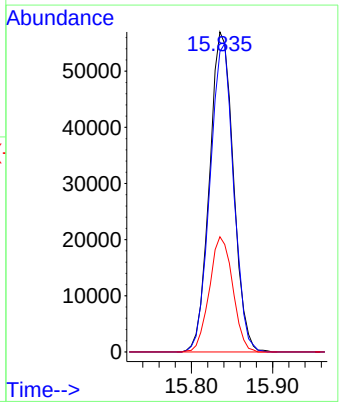




#96
1,2,3-Trichlorobenzene
Concen: 44.812 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:180 Resp: 116341

Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.2	144.6
145	35.3	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	187576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	319890	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	53102	19.600	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	39.200%#		
35) Dibromofluoromethane	8.165	113	41686	19.252	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	38.500%#		
50) Toluene-d8	10.565	98	155563	19.504	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.000%#		
62) 4-Bromofluorobenzene	12.847	95	57622	19.330	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	38.660%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	41443	19.219	ug/l	99
3) Chloromethane	2.359	50	54414	19.993	ug/l	97
4) Vinyl Chloride	2.512	62	46710	20.140	ug/l	93
5) Bromomethane	2.901	94	23244	18.916	ug/l	100
6) Chloroethane	3.042	64	30992	20.772	ug/l	94
7) Trichlorofluoromethane	3.442	101	76339	19.982	ug/l	96
8) Diethyl Ether	3.948	74	26904	19.963	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.342	101	42830	19.840	ug/l	99
10) Methyl Iodide	4.565	142	57315	19.865	ug/l	96
11) Tert butyl alcohol	5.559	59	33927	94.871	ug/l	99
12) 1,1-Dichloroethene	4.318	96	41980	19.653	ug/l	89
13) Acrolein	4.171	56	38007	106.582	ug/l	96
14) Allyl chloride	5.006	41	70420	20.328	ug/l	92
15) Acrylonitrile	5.718	53	105912	102.304	ug/l	97
16) Acetone	4.430	43	79971	100.481	ug/l	99
17) Carbon Disulfide	4.689	76	127521	19.385	ug/l	98
18) Methyl Acetate	5.024	43	71604	22.882	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	135170	20.645	ug/l	100
20) Methylene Chloride	5.271	84	47467	19.921	ug/l	88
21) trans-1,2-Dichloroethene	5.771	96	44697	20.378	ug/l	93
22) Diisopropyl ether	6.671	45	144115	20.937	ug/l	97
23) Vinyl Acetate	6.594	43	490034	103.232	ug/l	100
24) 1,1-Dichloroethane	6.559	63	83555	20.218	ug/l	97
25) 2-Butanone	7.483	43	130541	103.281	ug/l	99
26) 2,2-Dichloropropane	7.483	77	73066	20.313	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	52279	20.412	ug/l	97
28) Bromochloromethane	7.806	49	29146	17.702	ug/l	91
29) Tetrahydrofuran	7.836	42	86837	103.560	ug/l	97
30) Chloroform	7.959	83	85675	20.368	ug/l	100
31) Cyclohexane	8.247	56	71698	19.169	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	78458	20.493	ug/l	97
36) 1,1-Dichloropropene	8.371	75	60208	20.050	ug/l	99
37) Ethyl Acetate	7.559	43	54942	20.165	ug/l	97
38) Carbon Tetrachloride	8.359	117	68076	20.282	ug/l	98
39) Methylcyclohexane	9.600	83	63305	20.722	ug/l	93
40) Benzene	8.600	78	193129	20.026	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	30596	20.882	ug/l		97
42) 1,2-Dichloroethane	8.665	62	63026	20.180	ug/l		99
43) Isopropyl Acetate	8.688	43	104951	20.277	ug/l		98
44) Trichloroethene	9.347	130	44176	19.862	ug/l		99
45) 1,2-Dichloropropane	9.618	63	45764	20.229	ug/l		93
46) Dibromomethane	9.706	93	32857	20.583	ug/l		99
47) Bromodichloromethane	9.888	83	67288	19.997	ug/l	#	98
48) Methyl methacrylate	9.682	41	43398	20.466	ug/l		97
49) 1,4-Dioxane	9.700	88	15417	410.291	ug/l	#	79
51) 4-Methyl-2-Pentanone	10.447	43	266010	102.417	ug/l		100
52) Toluene	10.629	92	117530	20.838	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	68847	19.766	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	74498	20.208	ug/l		95
55) 1,1,2-Trichloroethane	11.012	97	42791	20.141	ug/l		95
56) Ethyl methacrylate	10.871	69	63347	20.613	ug/l		96
57) 1,3-Dichloropropane	11.159	76	74082	20.317	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	146372	101.786	ug/l		98
59) 2-Hexanone	11.194	43	192335	101.735	ug/l		99
60) Dibromochloromethane	11.359	129	50039	20.665	ug/l		99
61) 1,2-Dibromoethane	11.465	107	43666	20.070	ug/l		100
64) Tetrachloroethene	11.106	164	36798	20.054	ug/l		92
65) Chlorobenzene	11.888	112	126753	20.539	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	43201	20.125	ug/l		99
67) Ethyl Benzene	11.965	91	212737	20.651	ug/l		99
68) m/p-Xylenes	12.071	106	162754	41.732	ug/l		99
69) o-Xylene	12.400	106	77396	21.214	ug/l		99
70) Styrene	12.412	104	133059	20.907	ug/l		96
71) Bromoform	12.576	173	32901	20.369	ug/l	#	99
73) Isopropylbenzene	12.694	105	193023	21.127	ug/l		100
74) N-amyl acetate	12.494	43	80939	20.815	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	60645	19.886	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	77615	30.169	ug/l		63
77) Bromobenzene	12.976	156	48017	19.550	ug/l		97
78) n-propylbenzene	13.035	91	225085	21.024	ug/l		99
79) 2-Chlorotoluene	13.123	91	148533	21.233	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	161619	21.343	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	22047	20.070	ug/l	#	85
82) 4-Chlorotoluene	13.218	91	147989	20.102	ug/l		100
83) tert-Butylbenzene	13.435	119	138079	22.033	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	170246	21.783	ug/l		99
85) sec-Butylbenzene	13.618	105	188158	21.255	ug/l		100
86) p-Isopropyltoluene	13.729	119	156598	21.569	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	92310	19.258	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	92940	20.458	ug/l		99
89) n-Butylbenzene	14.053	91	136771	20.139	ug/l		99
90) Hexachloroethane	14.329	117	32199	19.887	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	91138	19.787	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11962	19.362	ug/l		96
93) 1,2,4-Trichlorobenzene	15.394	180	46698	18.523	ug/l		96
94) Hexachlorobutadiene	15.500	225	22216	20.066	ug/l		96
95) Naphthalene	15.635	128	153972	20.404	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	49699	20.308	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

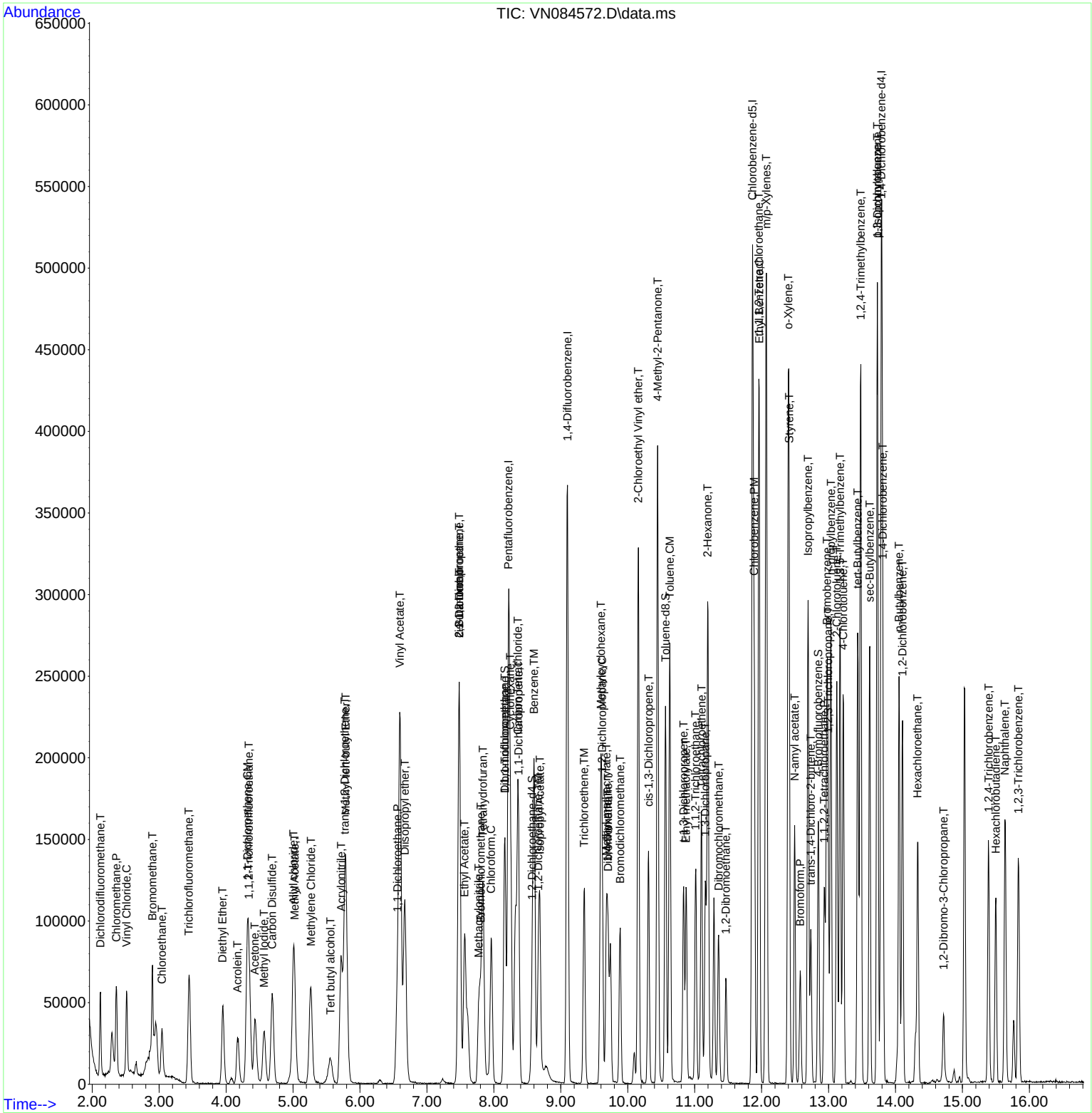
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

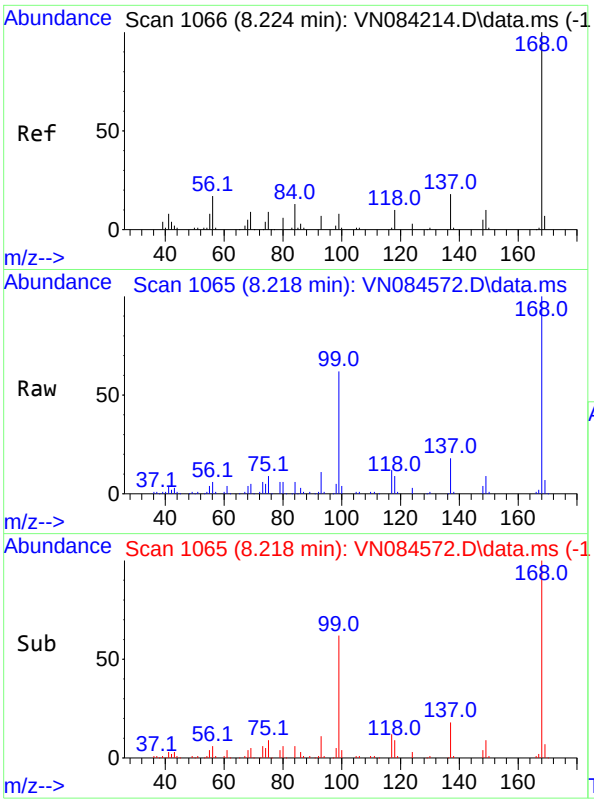
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration



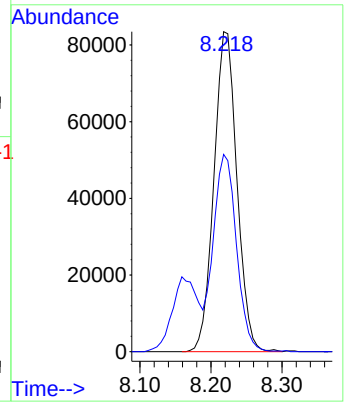


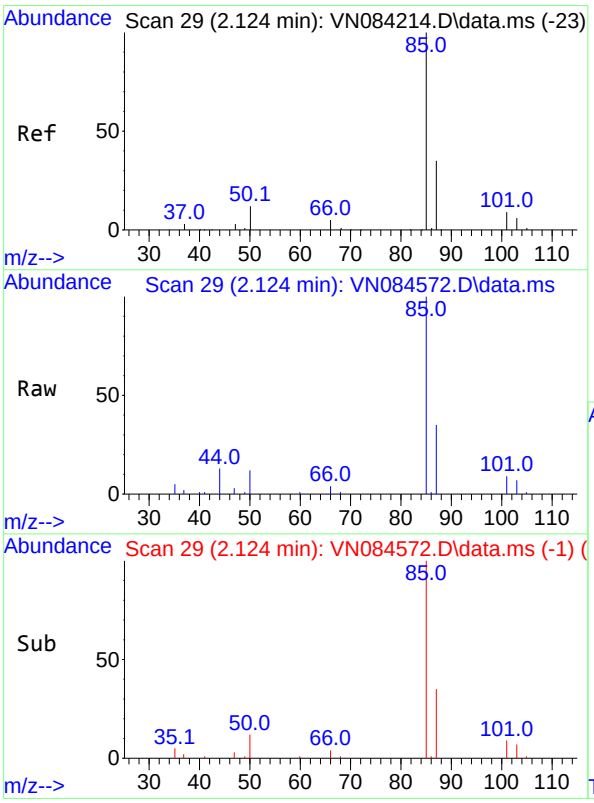
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 187576

Ion	Ratio	Lower	Upper
168	100		
99	61.5	54.2	81.2

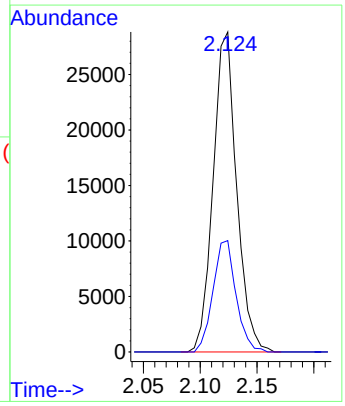


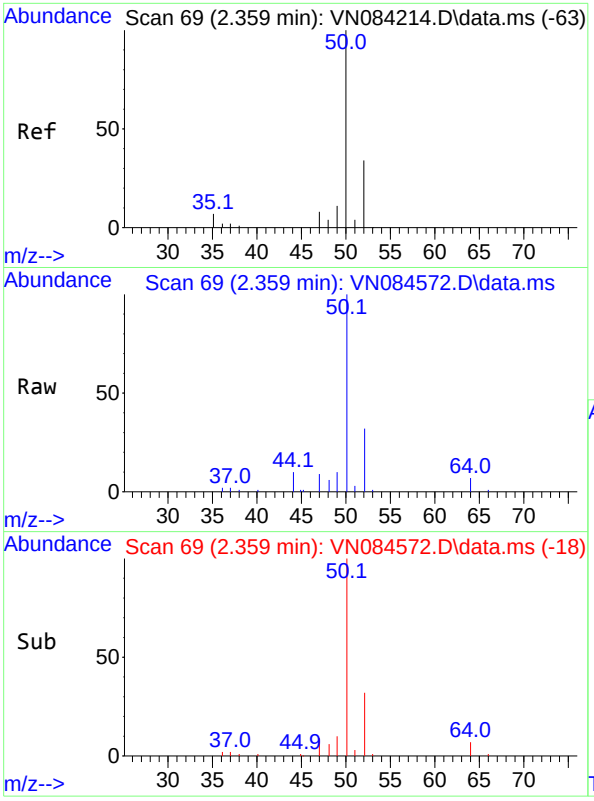


#2
Dichlorodifluoromethane
Concen: 19.219 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 85 Resp: 41443

Ion	Ratio	Lower	Upper
85	100		
87	34.8	17.6	52.9



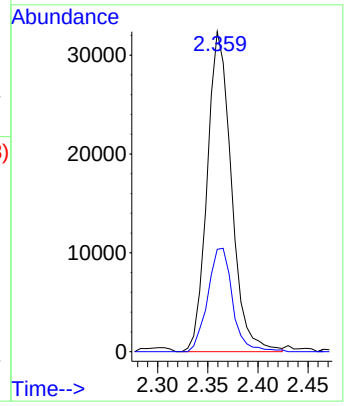


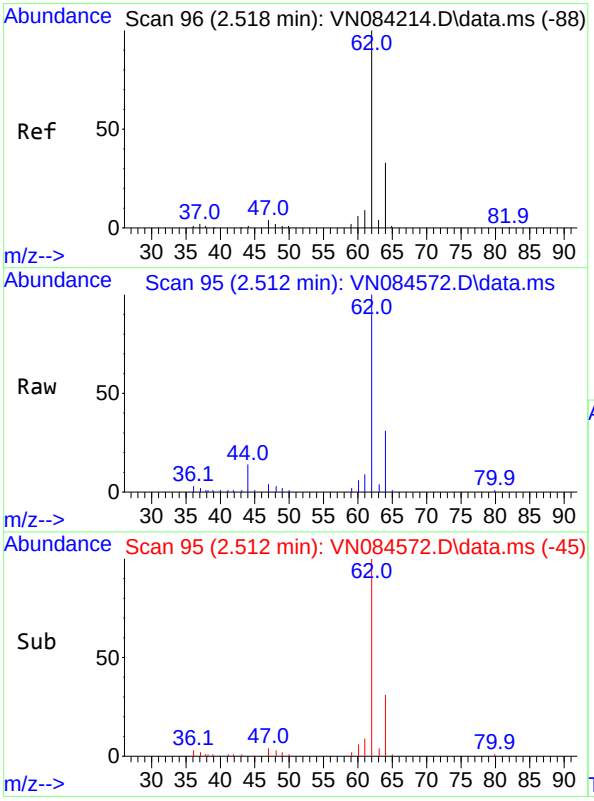
#3
Chloromethane
Concen: 19.993 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 54414

Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.8	40.2

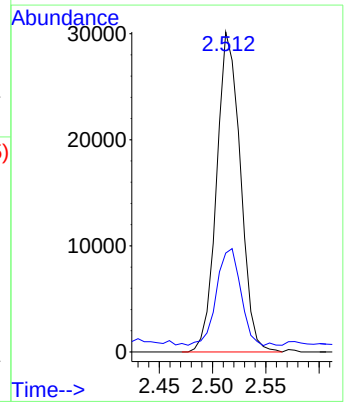


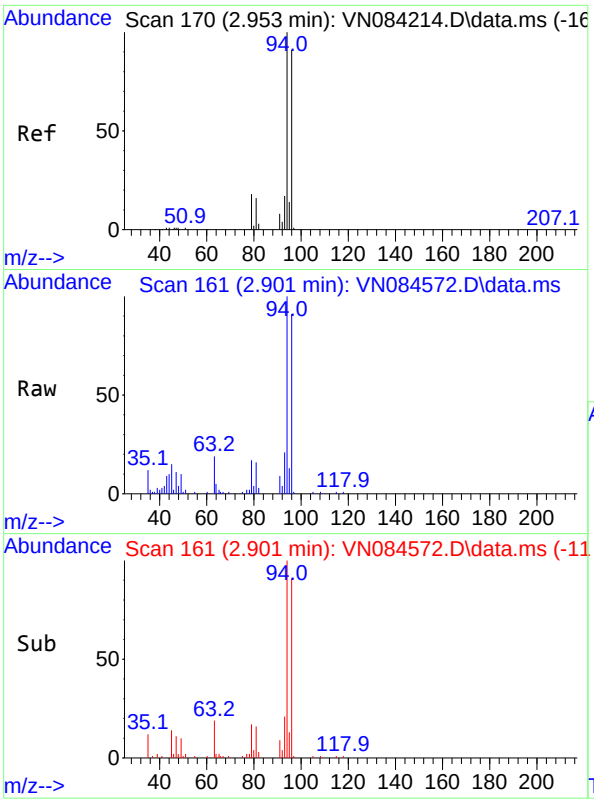


#4
Vinyl Chloride
Concen: 20.140 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 62 Resp: 46710

Ion	Ratio	Lower	Upper
62	100		
64	28.8	26.2	39.4



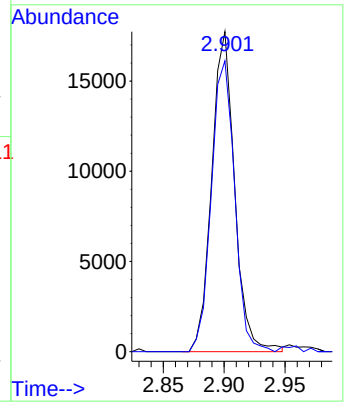


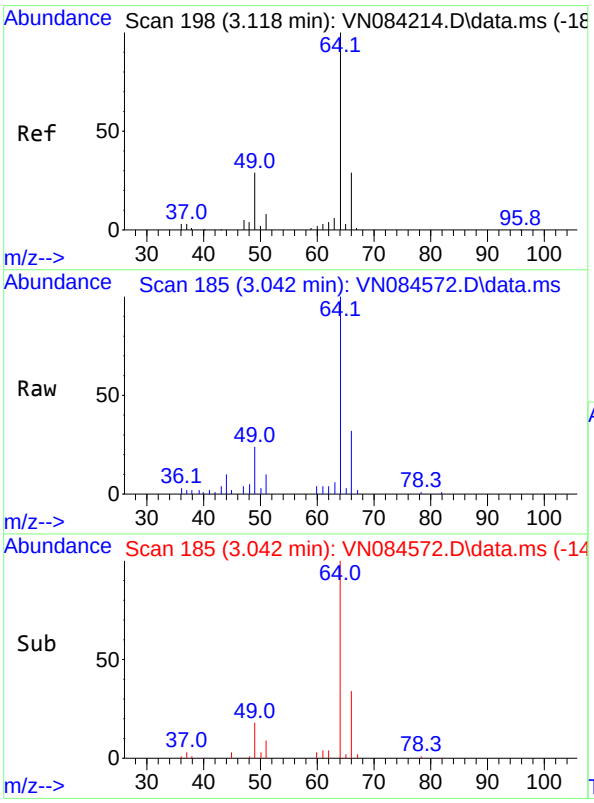
#5
Bromomethane
Concen: 18.916 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.052 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 23244

Ion	Ratio	Lower	Upper
94	100		
96	90.9	72.9	109.3

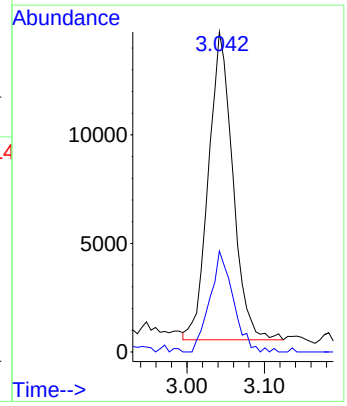


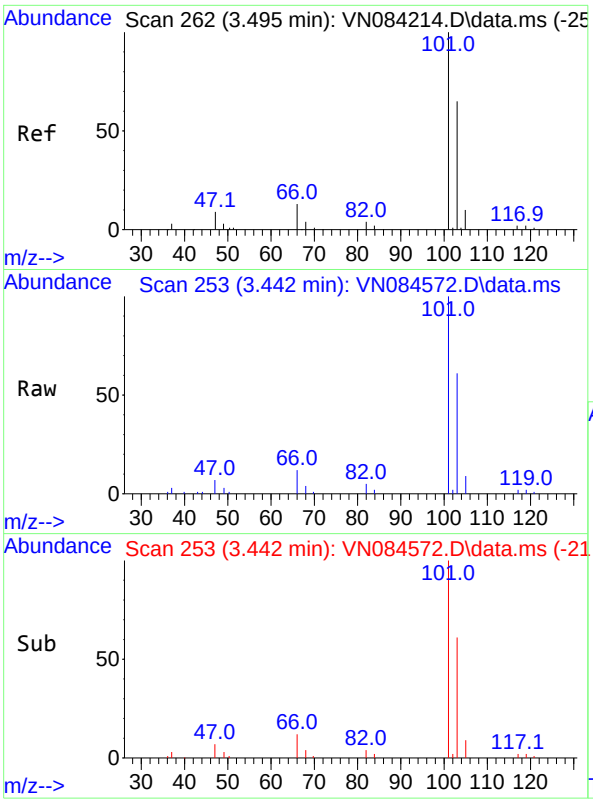


#6
Chloroethane
Concen: 20.772 ug/l
RT: 3.042 min Scan# 185
Delta R.T. -0.076 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 64 Resp: 30992

Ion	Ratio	Lower	Upper
64	100		
66	32.8	23.5	35.3



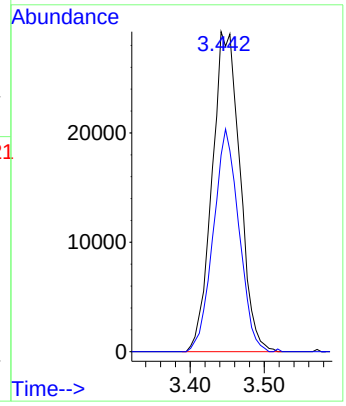


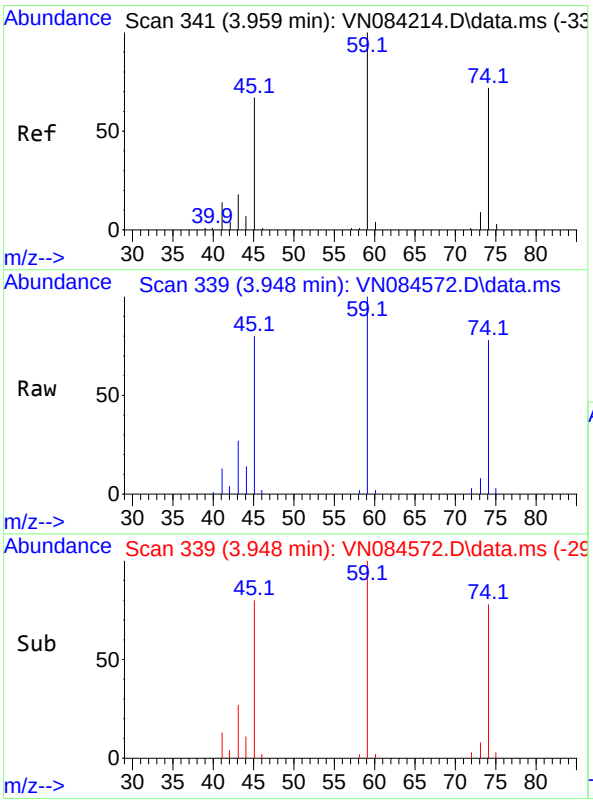
#7
Trichlorofluoromethane
Concen: 19.982 ug/l
RT: 3.442 min Scan# 2
Delta R.T. -0.053 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 76339

Ion	Ratio	Lower	Upper
101	100		
103	61.4	51.8	77.6

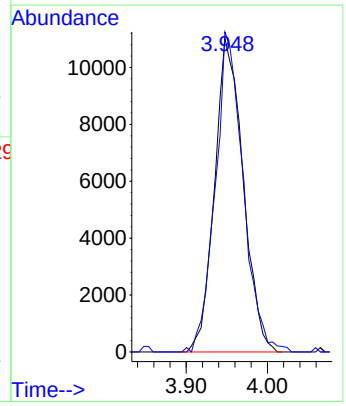


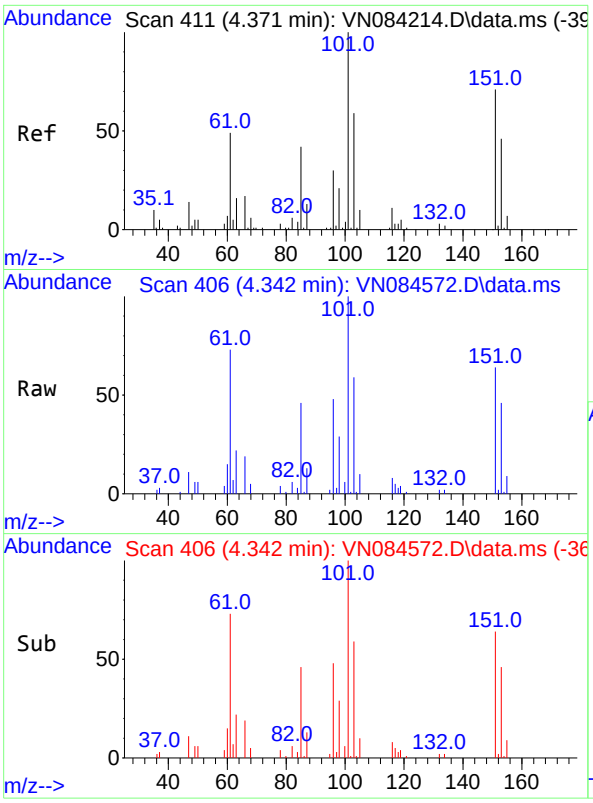


#8
Diethyl Ether
Concen: 19.963 ug/l
RT: 3.948 min Scan# 339
Delta R.T. -0.011 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 74 Resp: 26904

Ion	Ratio	Lower	Upper
74	100		
45	99.7	47.7	143.1



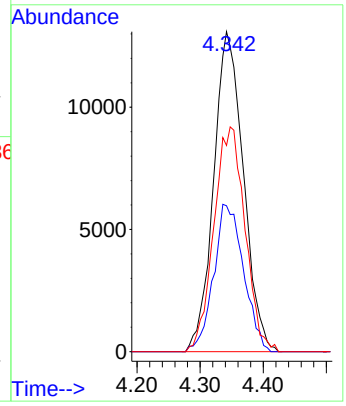


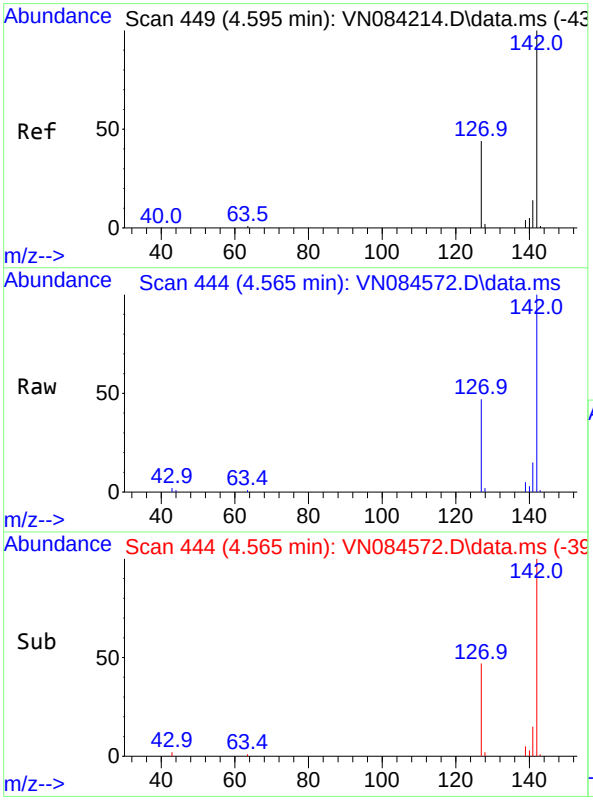
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.840 ug/l
RT: 4.342 min Scan# 4
Delta R.T. -0.029 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 42830

Ion	Ratio	Lower	Upper
101	100		
85	46.4	36.2	54.4
151	73.6	59.3	88.9

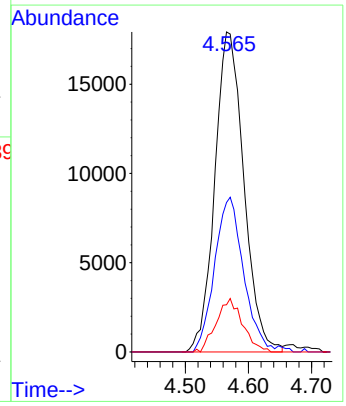


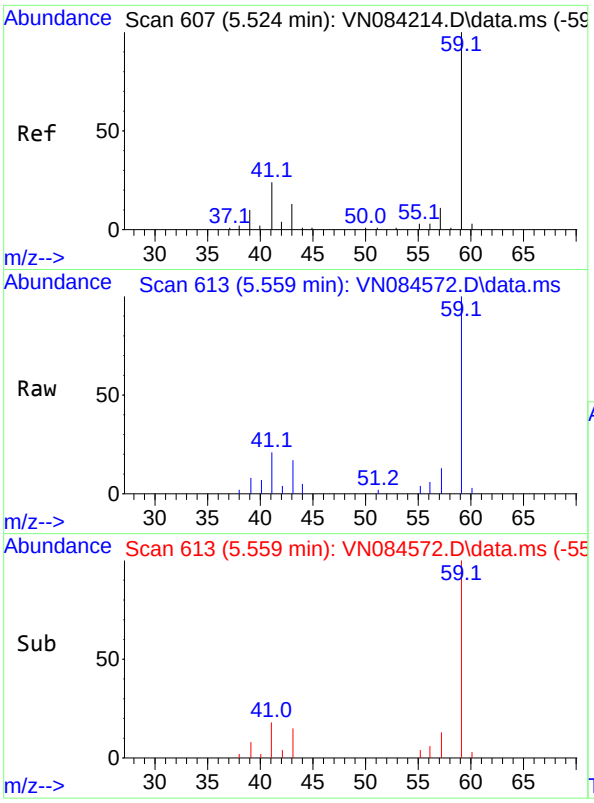


#10
Methyl Iodide
Concen: 19.865 ug/l
RT: 4.565 min Scan# 444
Delta R.T. -0.029 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:142 Resp: 57315

Ion	Ratio	Lower	Upper
142	100		
127	46.7	35.3	52.9
141	14.8	11.0	16.6



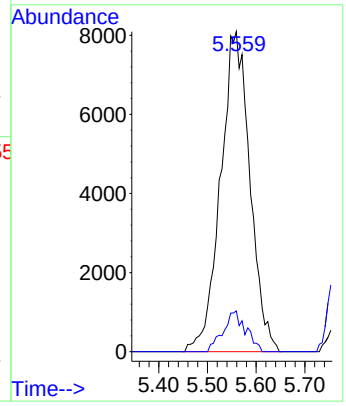


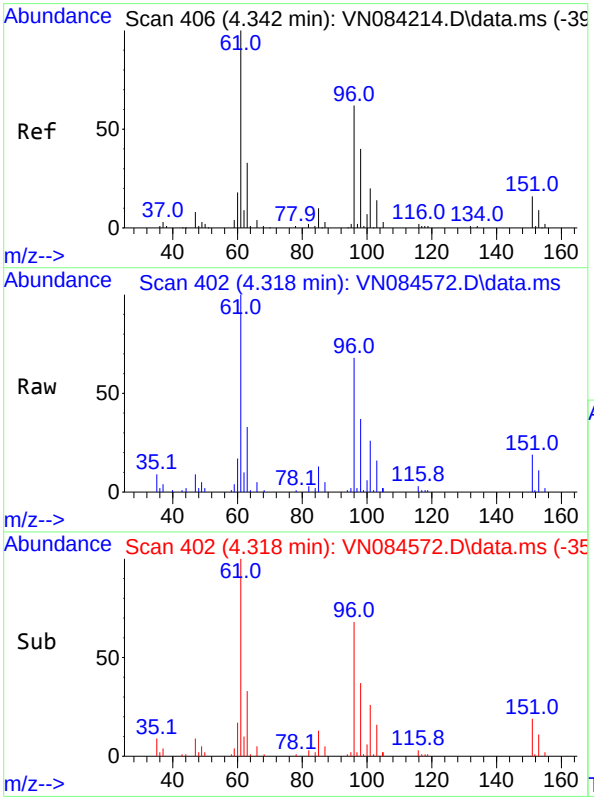
#11
Tert butyl alcohol
Concen: 94.871 ug/l
RT: 5.559 min Scan# 61
Delta R.T. 0.035 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 33927

Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.2

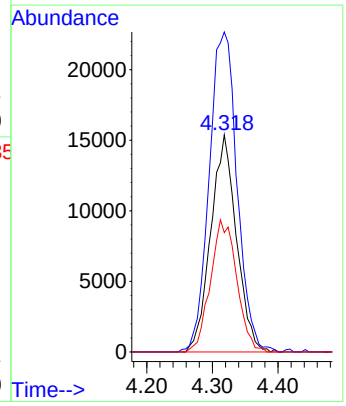


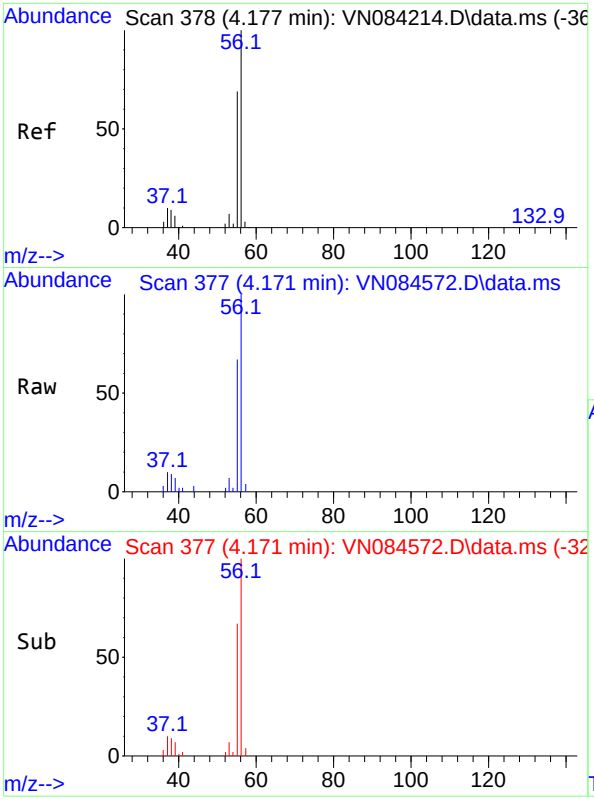


#12
1,1-Dichloroethene
Concen: 19.653 ug/l
RT: 4.318 min Scan# 402
Delta R.T. -0.023 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 96 Resp: 41980

Ion	Ratio	Lower	Upper
96	100		
61	147.4	128.6	192.8
98	55.0	51.7	77.5



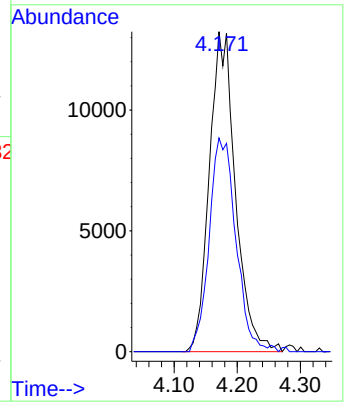


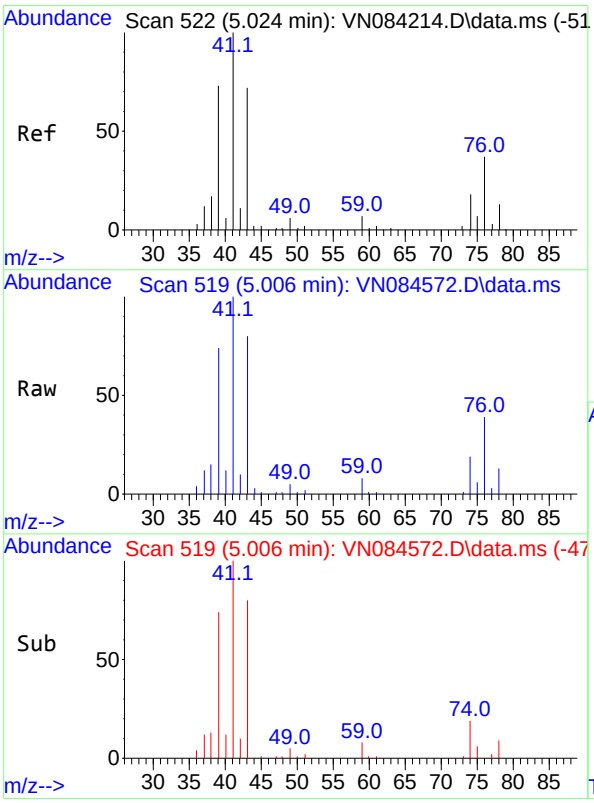
#13
Acrolein
Concen: 106.582 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 38007

Ion	Ratio	Lower	Upper
56	100		
55	68.4	57.2	85.8

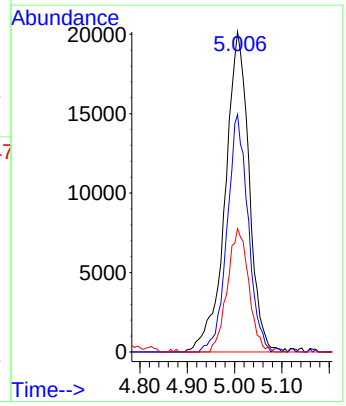


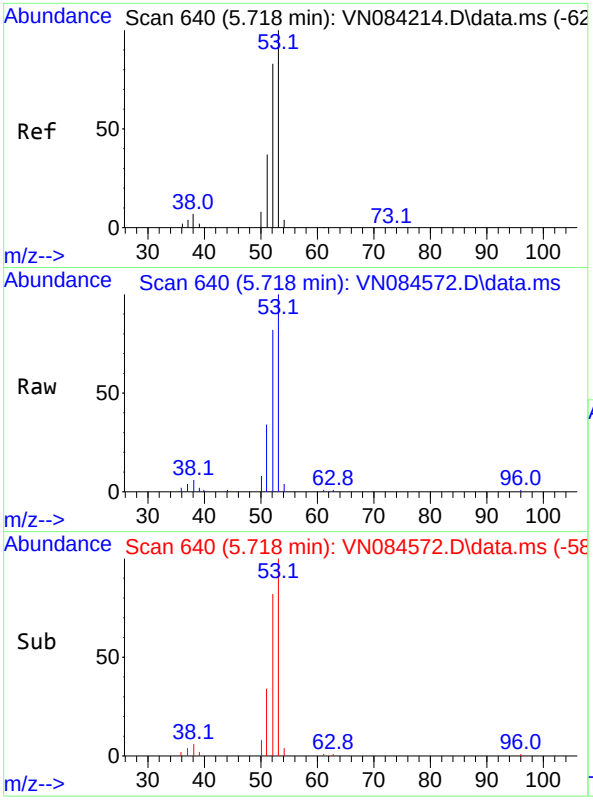


#14
Allyl chloride
Concen: 20.328 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.018 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 41 Resp: 70420

Ion	Ratio	Lower	Upper
41	100		
39	65.3	59.0	88.6
76	34.4	29.8	44.6



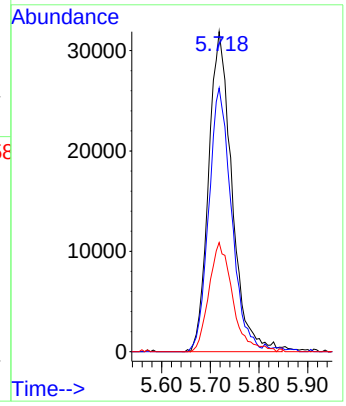


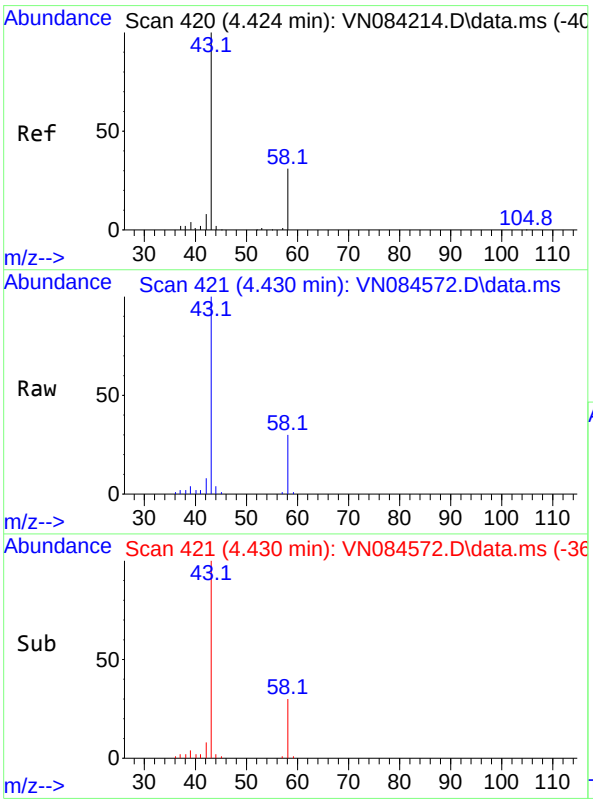
#15
Acrylonitrile
Concen: 102.304 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 105912

Ion	Ratio	Lower	Upper
53	100		
52	80.3	66.2	99.4
51	34.7	28.8	43.2

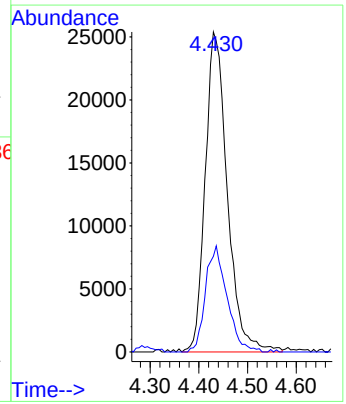


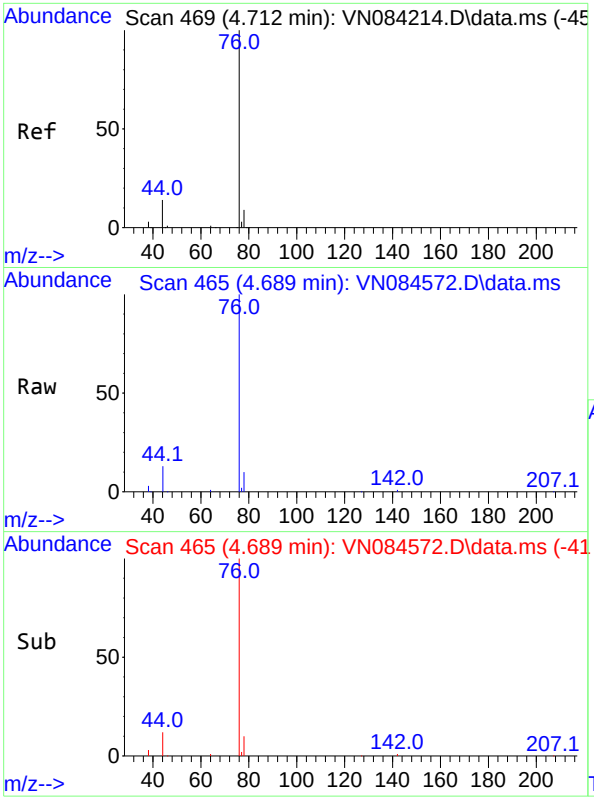


#16
Acetone
Concen: 100.481 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 43 Resp: 79971

Ion	Ratio	Lower	Upper
43	100		
58	29.9	24.4	36.6



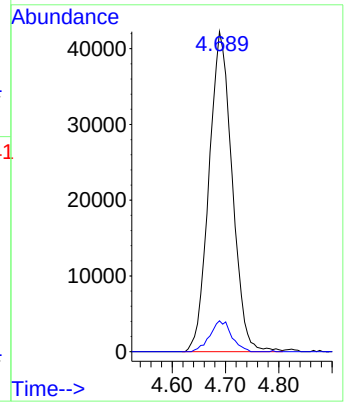


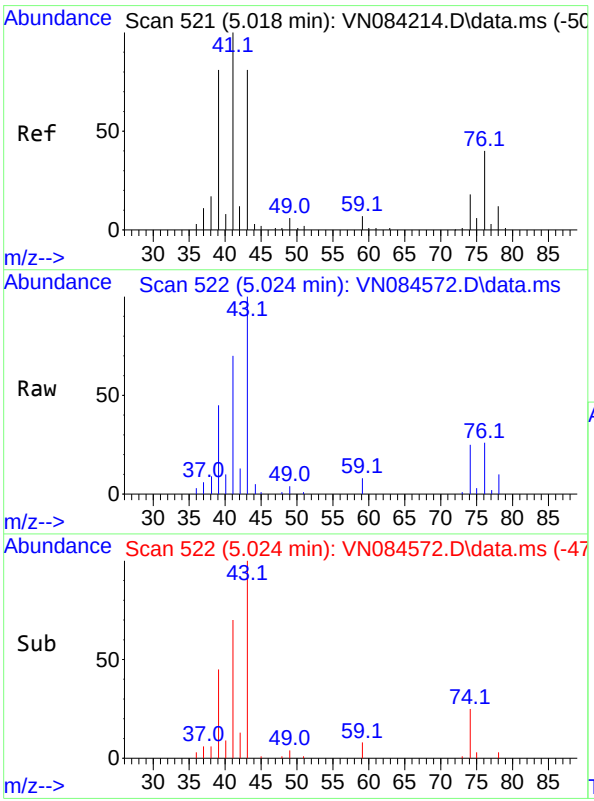
#17
Carbon Disulfide
Concen: 19.385 ug/l
RT: 4.689 min Scan# 4
Delta R.T. -0.023 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 127521

Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.3	10.9

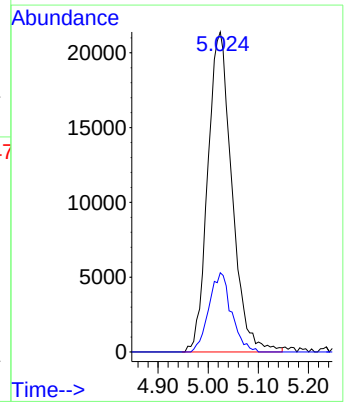


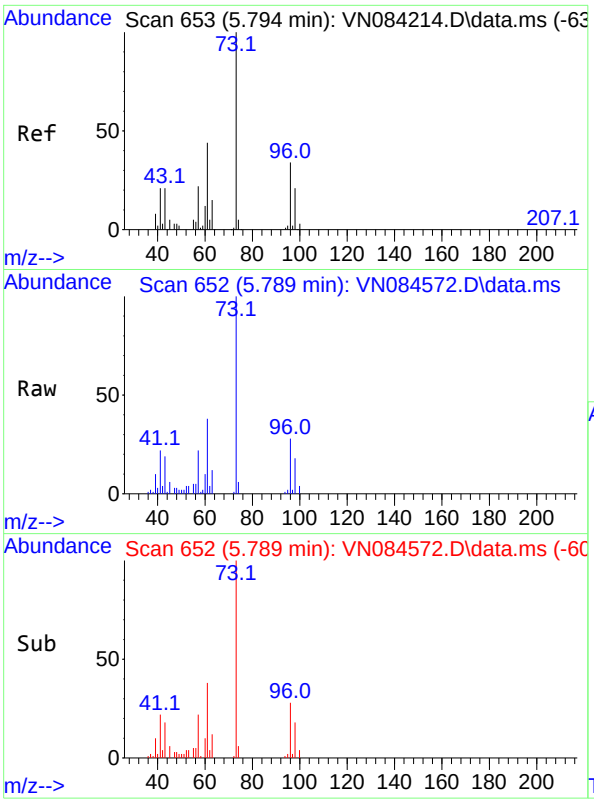


#18
Methyl Acetate
Concen: 22.882 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 43 Resp: 71604

Ion	Ratio	Lower	Upper
43	100		
74	23.1	19.2	28.8



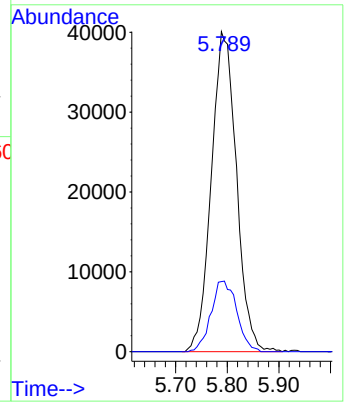


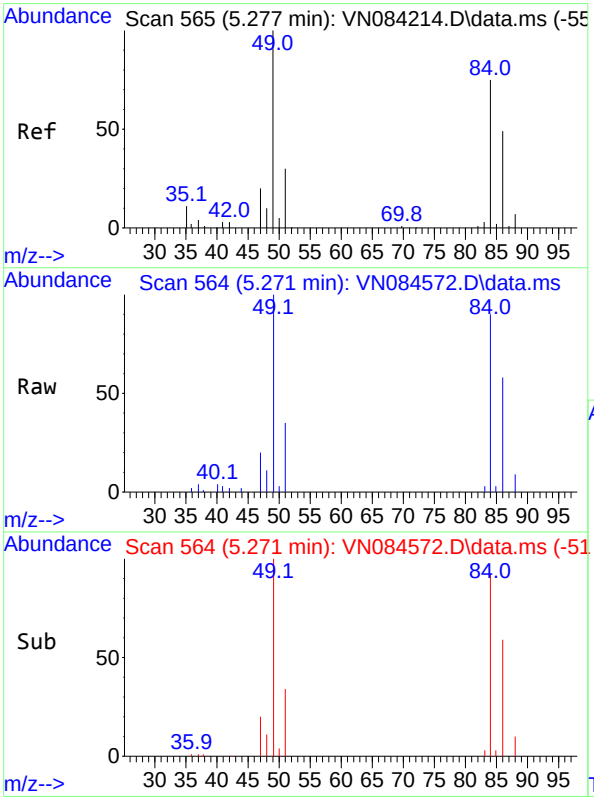
#19
Methyl tert-butyl Ether
Concen: 20.645 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 135170

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.7	26.5

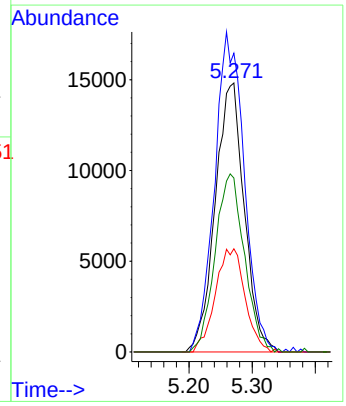


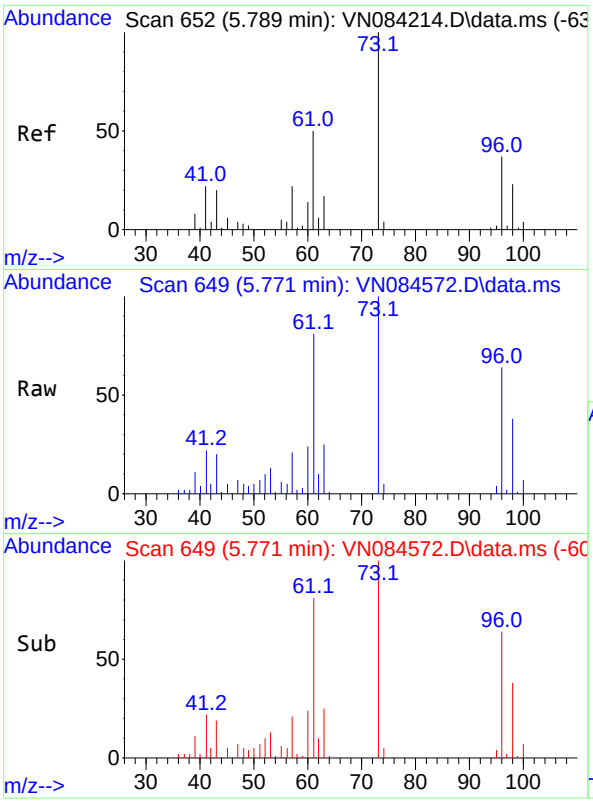


#20
Methylene Chloride
Concen: 19.921 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 84 Resp: 47467

Ion	Ratio	Lower	Upper
84	100		
49	111.0	107.2	160.8
51	38.3	31.8	47.8
86	64.7	52.9	79.3



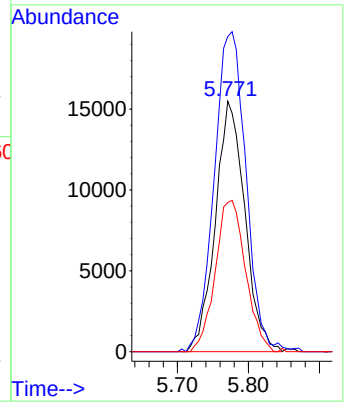


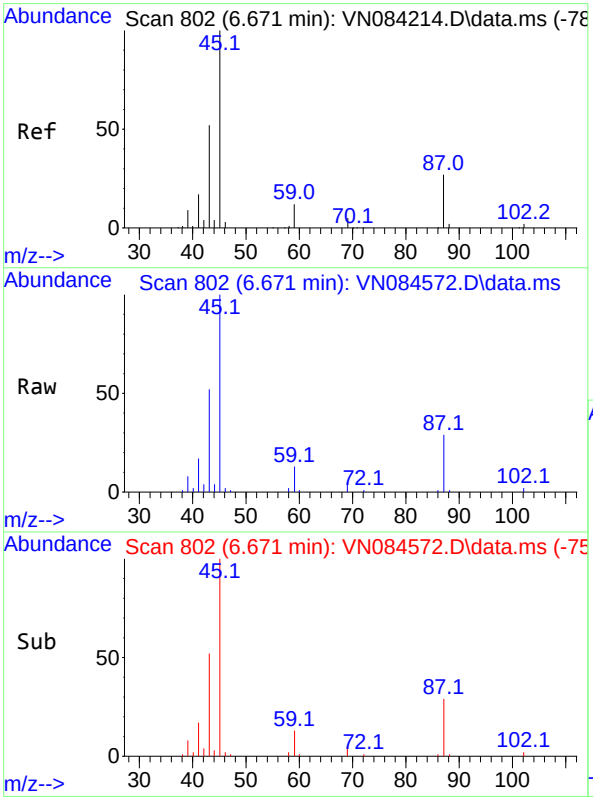
#21
trans-1,2-Dichloroethene
Concen: 20.378 ug/l
RT: 5.771 min Scan# 64
Delta R.T. -0.018 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 44697

Ion	Ratio	Lower	Upper
96	100		
61	124.8	108.4	162.6
98	59.6	49.8	74.8

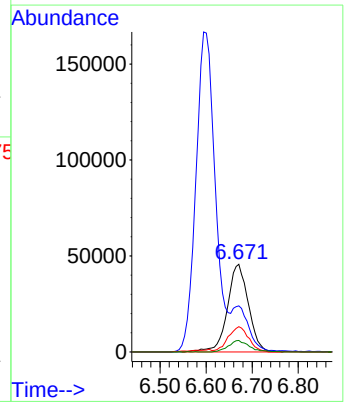


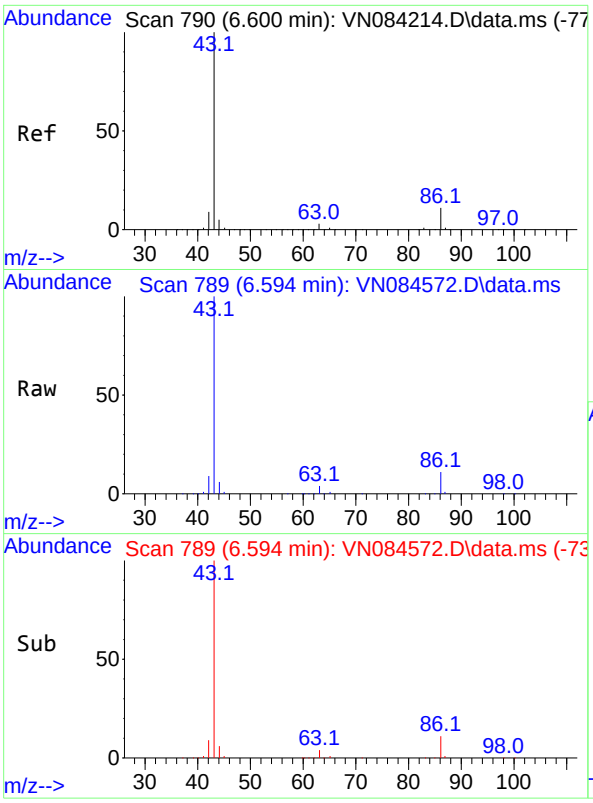


#22
Diisopropyl ether
Concen: 20.937 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 45 Resp: 144115

Ion	Ratio	Lower	Upper
45	100		
43	51.0	42.3	63.5
87	28.9	21.8	32.6
59	13.1	9.6	14.4



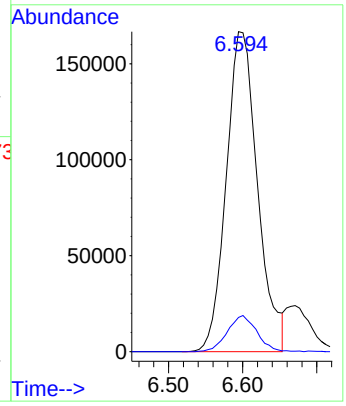


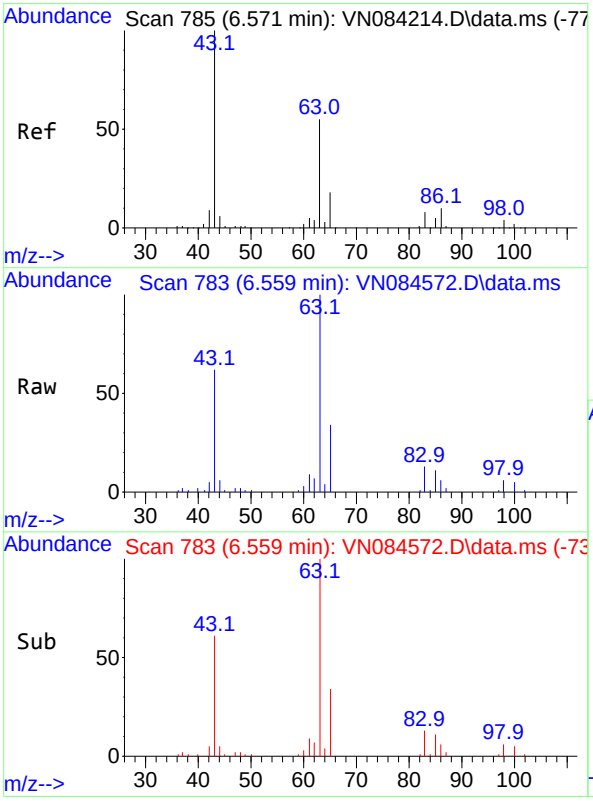
#23
Vinyl Acetate
Concen: 103.232 ug/l
RT: 6.594 min Scan# 7
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 490034

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.6	12.8

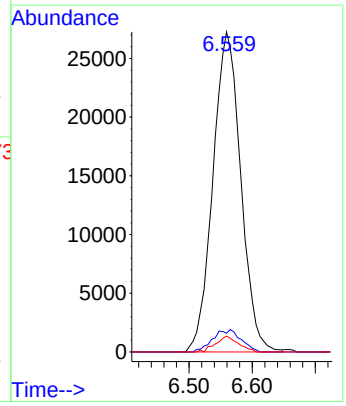


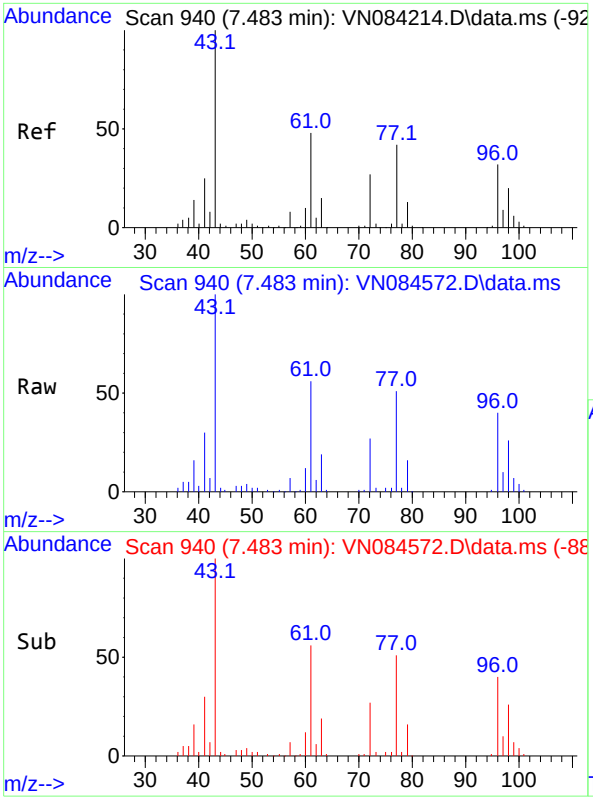


#24
1,1-Dichloroethane
Concen: 20.218 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 63 Resp: 83555

Ion	Ratio	Lower	Upper
63	100		
98	5.8	3.4	10.2
100	4.9	2.0	5.8



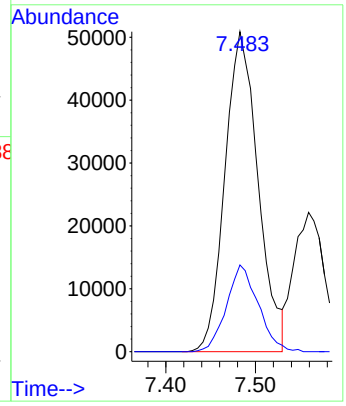


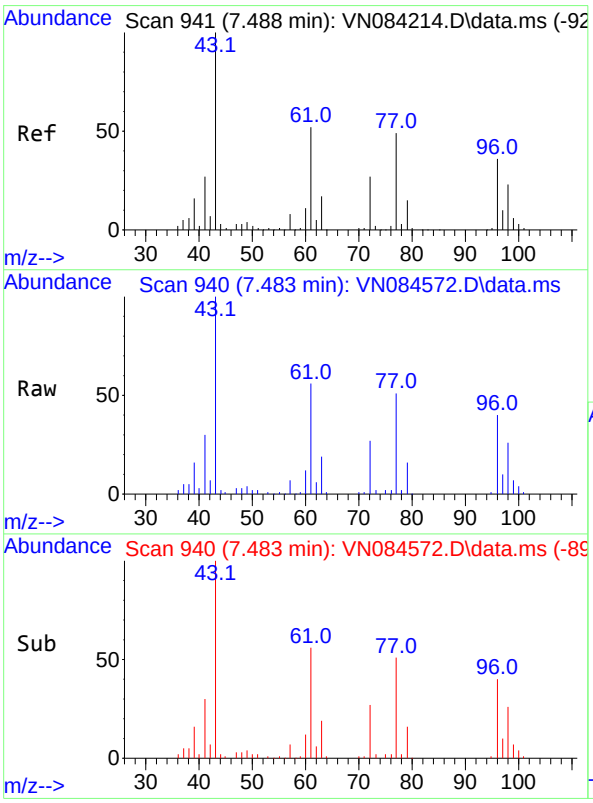
#25
2-Butanone
Concen: 103.281 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 130541

Ion	Ratio	Lower	Upper
43	100		
72	27.1	21.4	32.2

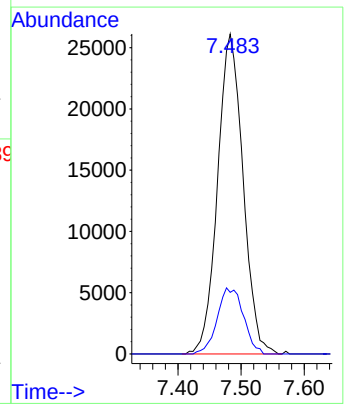


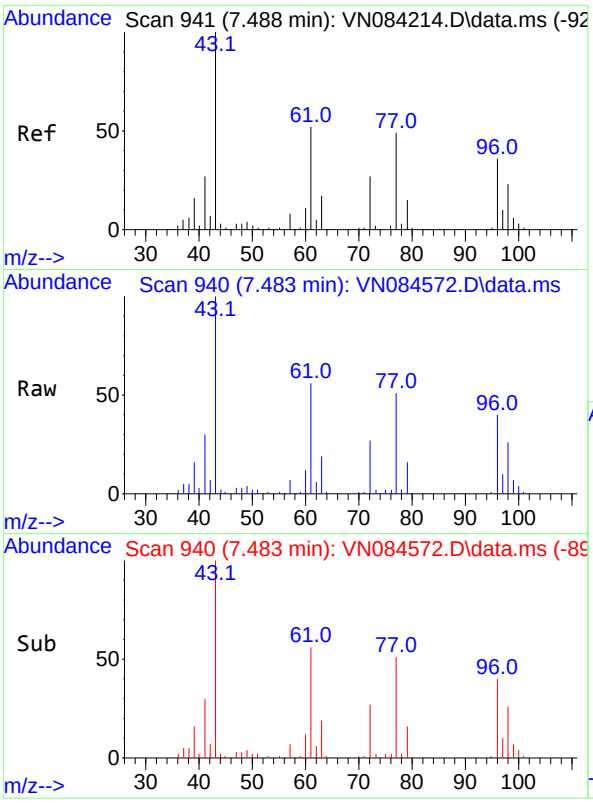


#26
2,2-Dichloropropane
Concen: 20.313 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 77 Resp: 73066

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.8	32.3



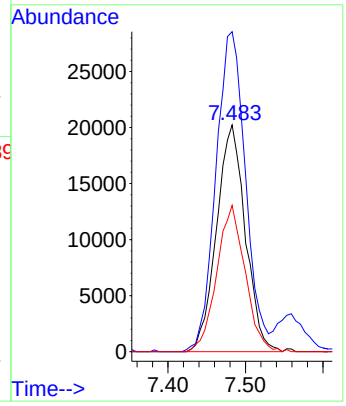


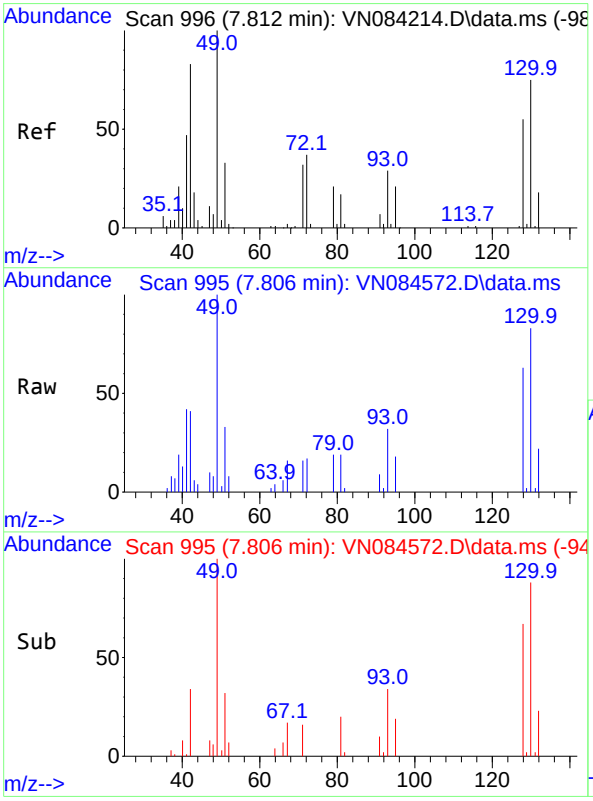
#27
cis-1,2-Dichloroethene
Concen: 20.412 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 52279

Ion	Ratio	Lower	Upper
96	100		
61	145.3	0.0	301.8
98	63.6	0.0	128.2

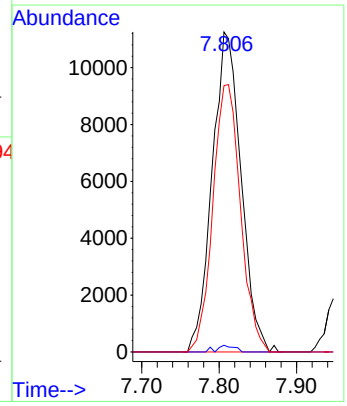


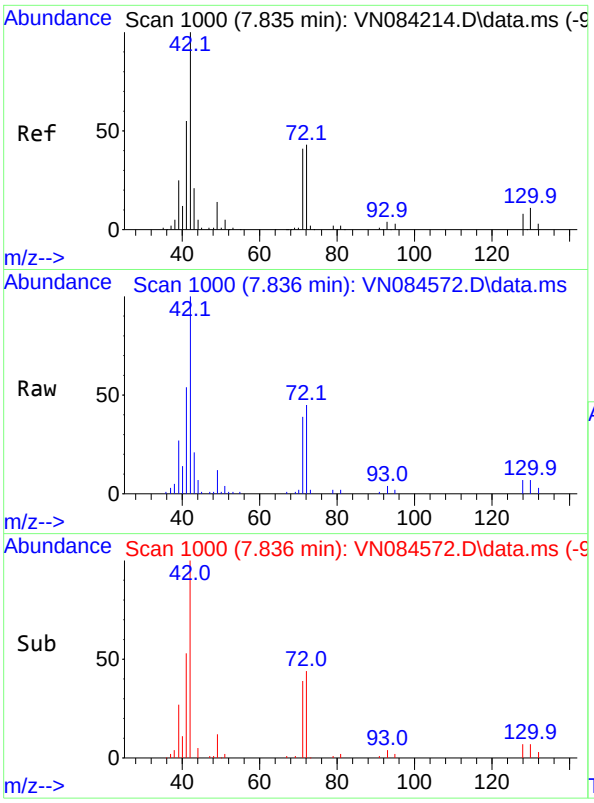


#28
Bromochloromethane
Concen: 17.702 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 49 Resp: 29146

Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.6
130	79.9	58.0	87.0



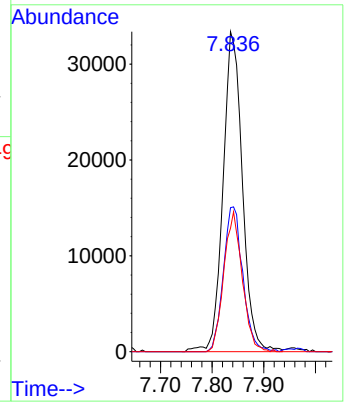


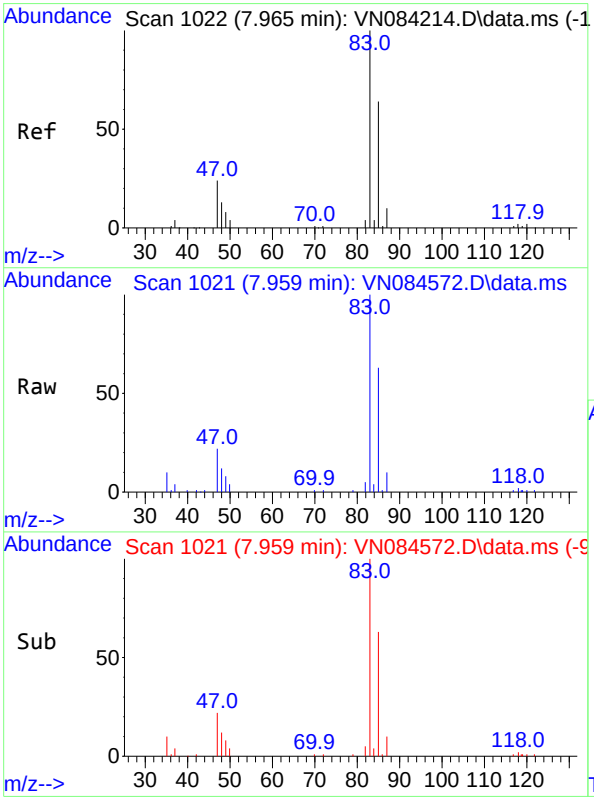
#29
Tetrahydrofuran
Concen: 103.560 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 86837

Ion	Ratio	Lower	Upper
42	100		
72	45.4	34.6	51.8
71	41.5	32.2	48.4

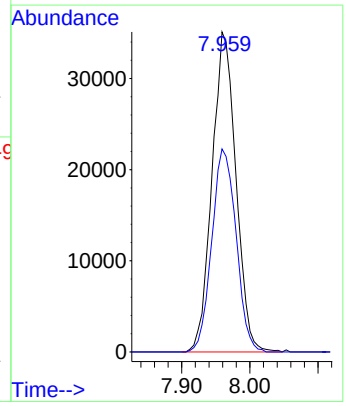


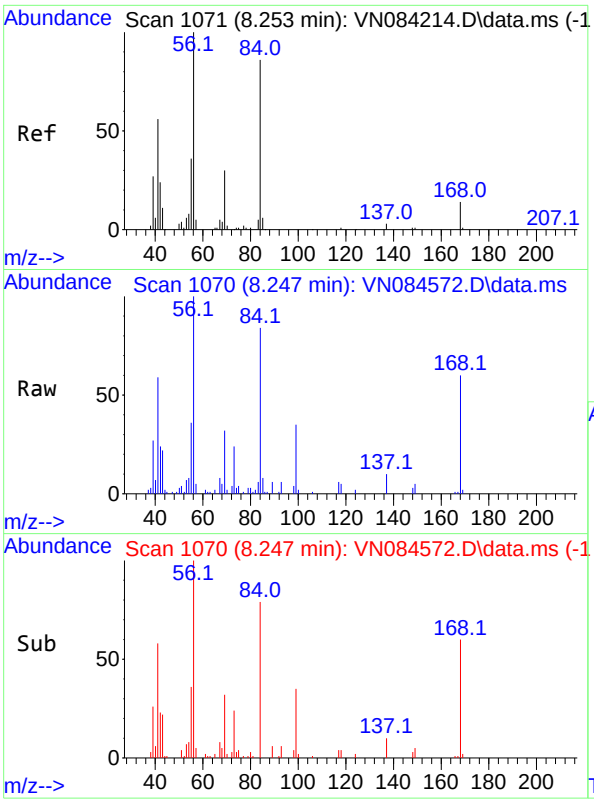


#30
Chloroform
Concen: 20.368 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 83 Resp: 85675

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.0	76.4



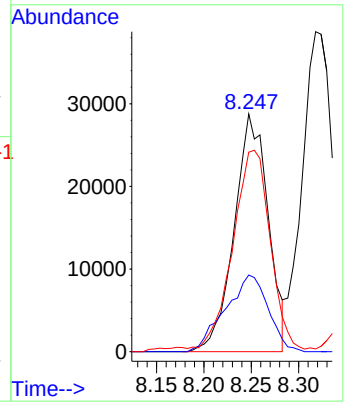


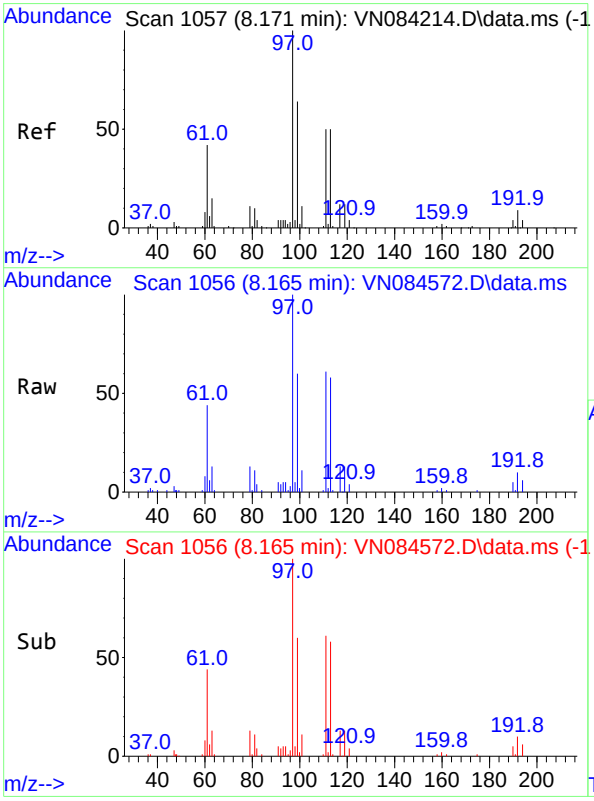
#31
Cyclohexane
Concen: 19.169 ug/l
RT: 8.247 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 71698

Ion	Ratio	Lower	Upper
56	100		
69	32.3	23.8	35.6
84	82.2	68.8	103.2

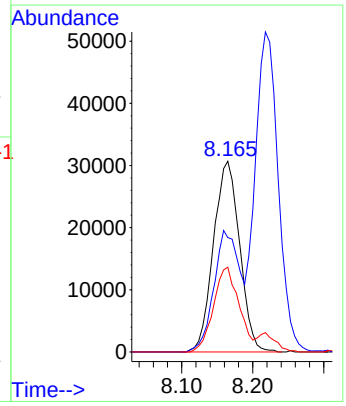


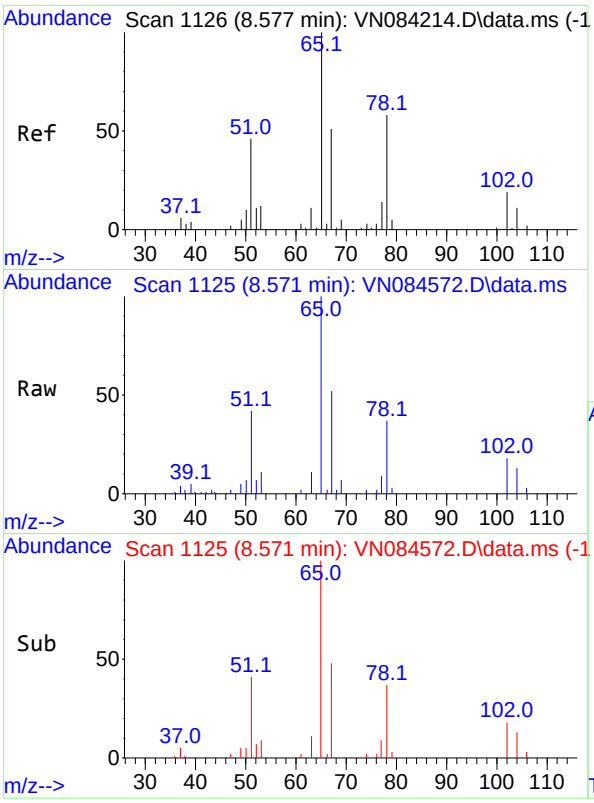


#32
1,1,1-Trichloroethane
Concen: 20.493 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 97 Resp: 78458

Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.2	76.8
61	43.3	37.5	56.3



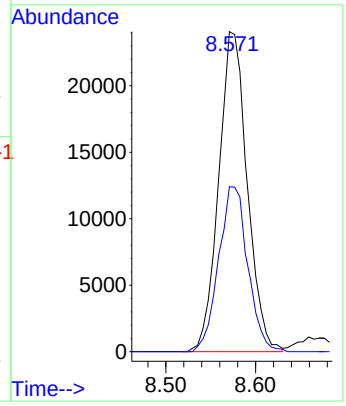


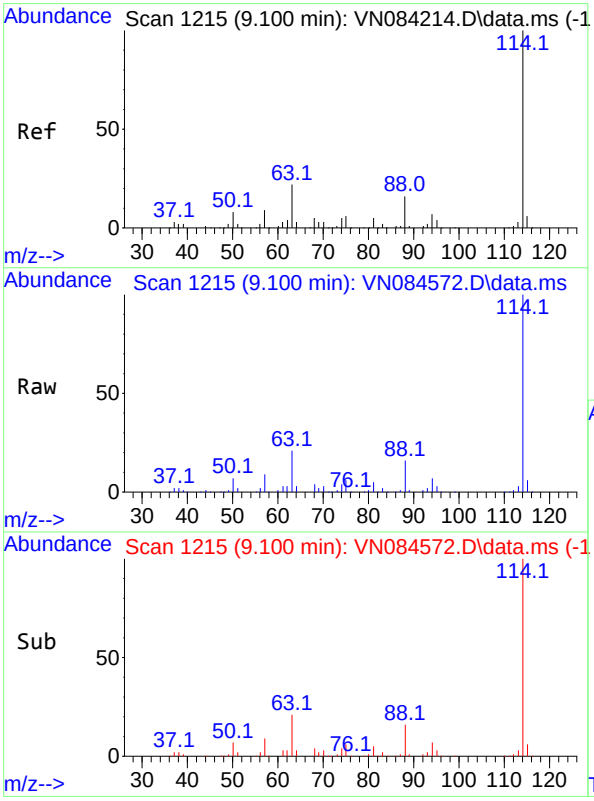
#33
1,2-Dichloroethane-d4
Concen: 19.600 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 53102

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	102.0

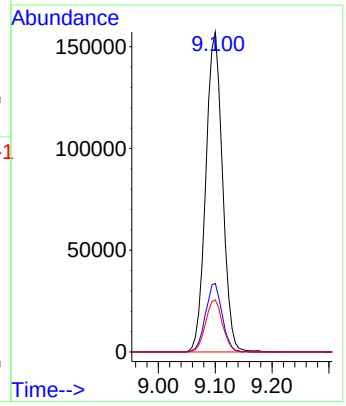


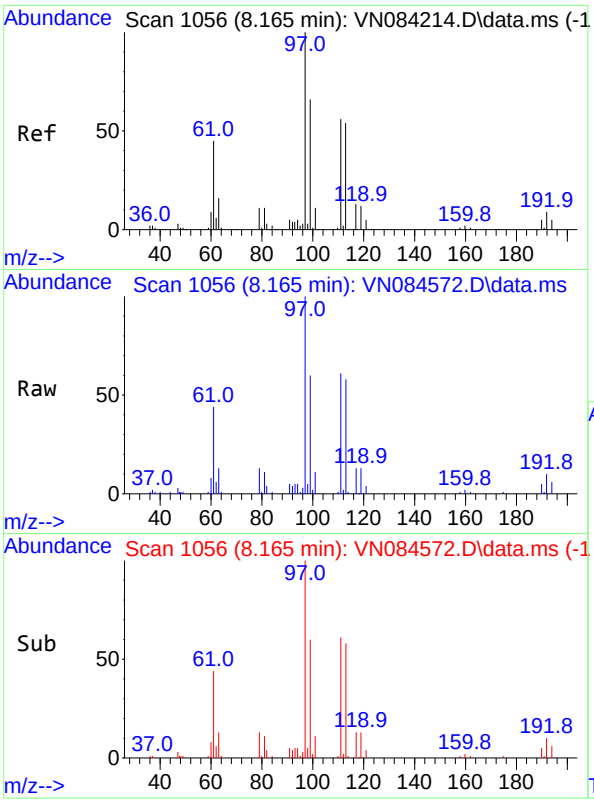


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:114 Resp: 319890

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.8
88	16.3	0.0	31.6



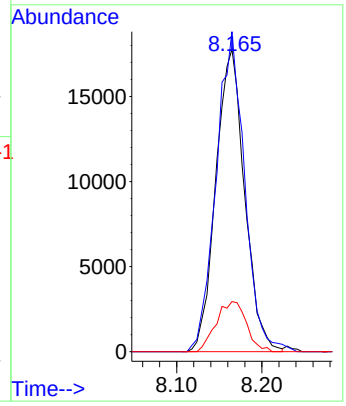


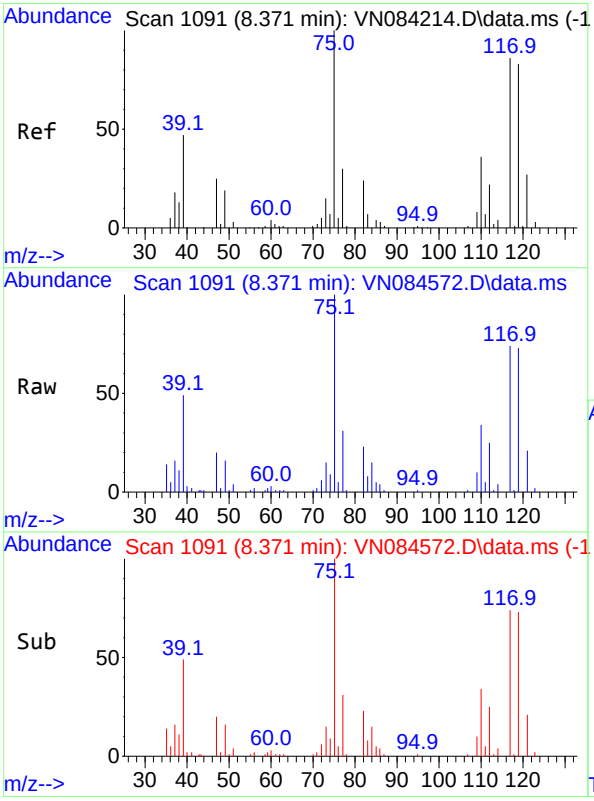
#35
Dibromofluoromethane
Concen: 19.252 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 41686

Ion	Ratio	Lower	Upper
113	100		
111	105.0	83.3	124.9
192	17.4	13.5	20.3

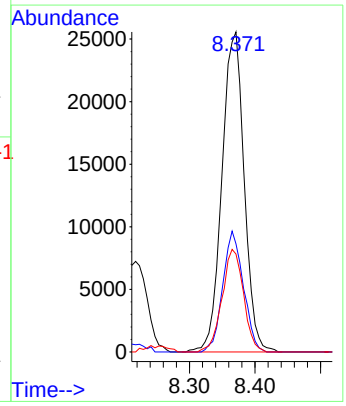


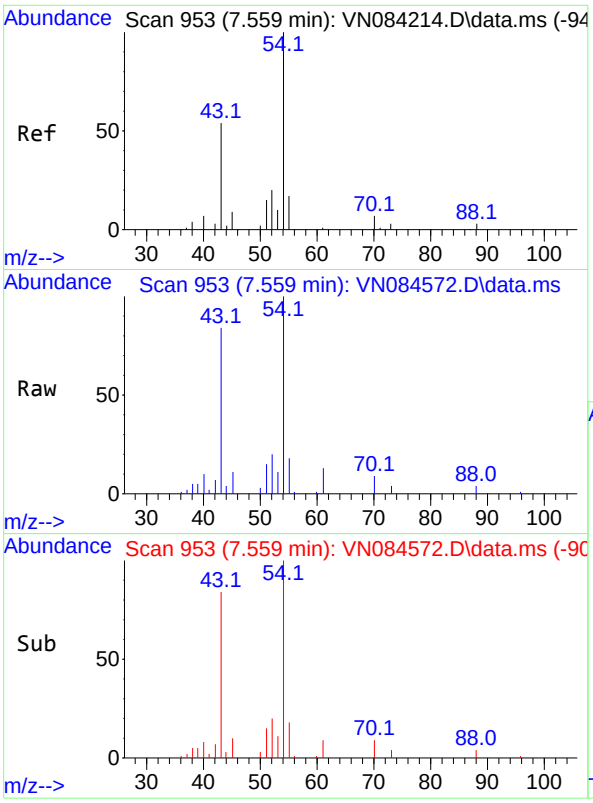


#36
1,1-Dichloropropene
Concen: 20.050 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 75 Resp: 60208

Ion	Ratio	Lower	Upper
75	100		
110	34.9	16.9	50.7
77	30.9	24.7	37.1



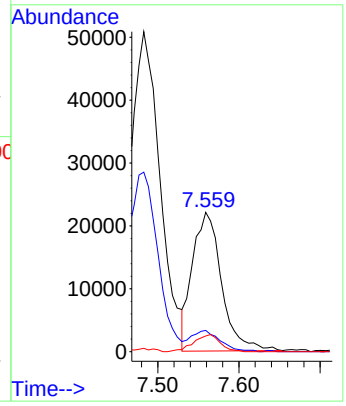


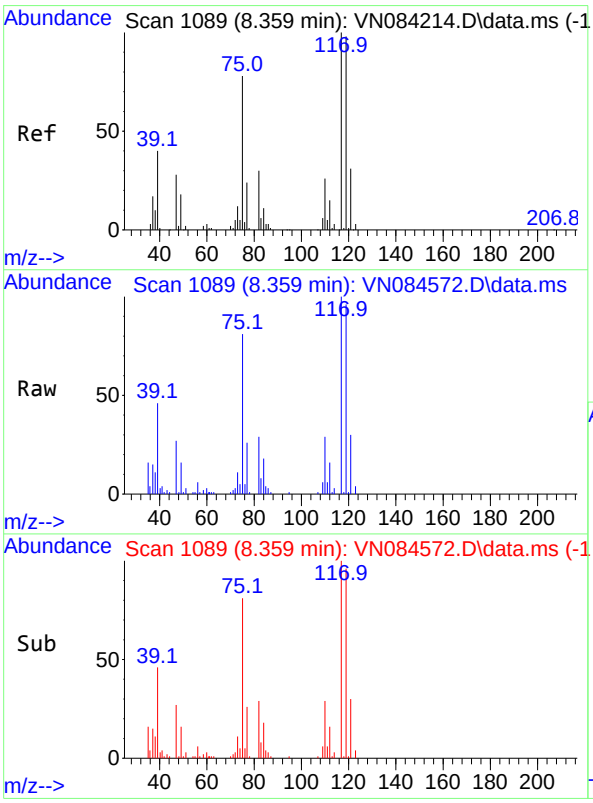
#37
Ethyl Acetate
Concen: 20.165 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 54942

Ion	Ratio	Lower	Upper
43	100		
61	15.7	10.7	16.1
70	11.2	8.8	13.2

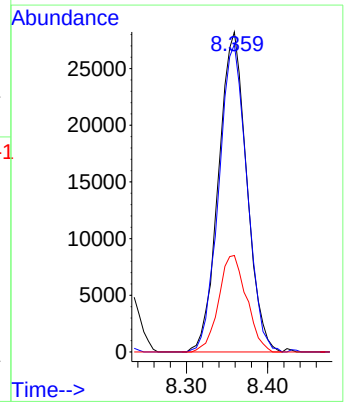


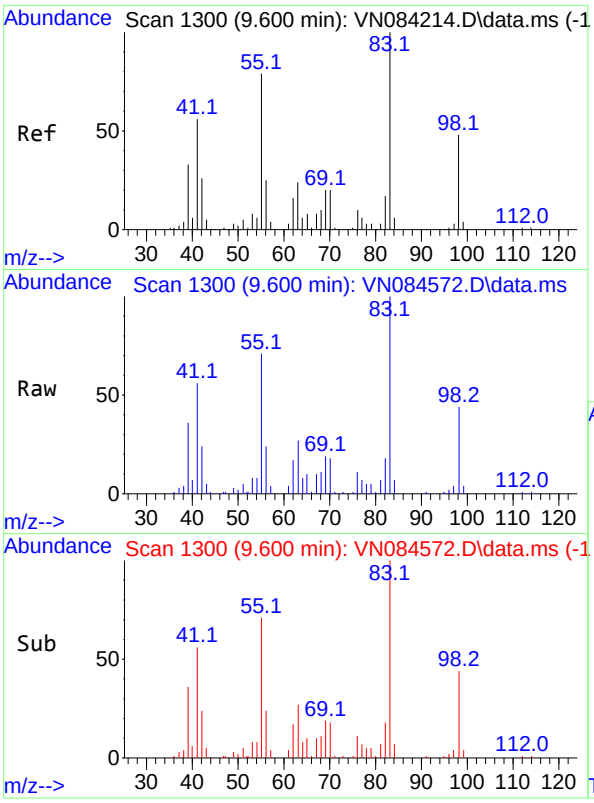


#38
Carbon Tetrachloride
Concen: 20.282 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:117 Resp: 68076

Ion	Ratio	Lower	Upper
117	100		
119	96.1	78.7	118.1
121	30.1	24.4	36.6



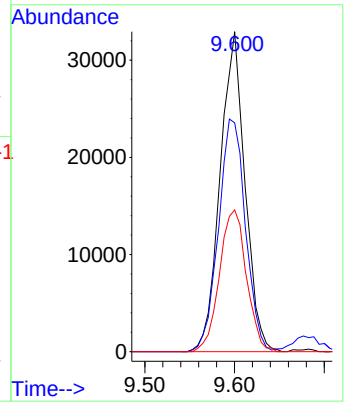


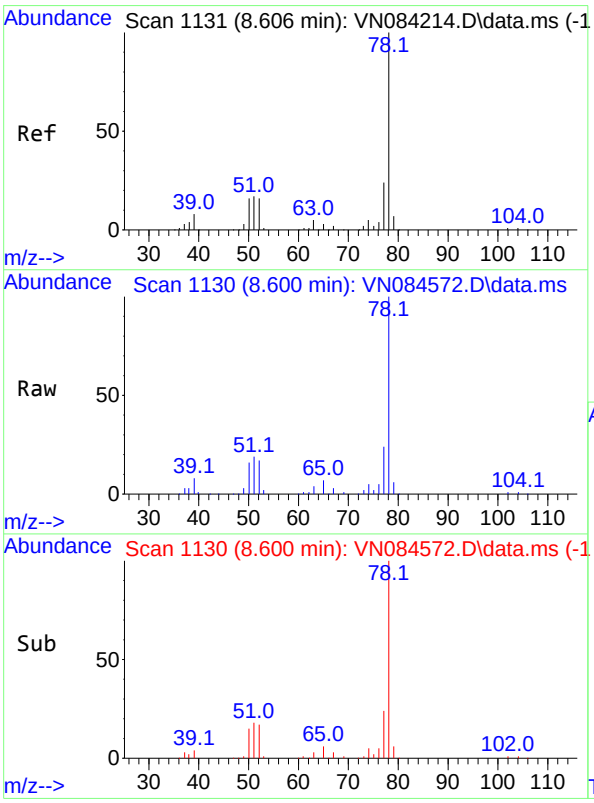
#39
Methylcyclohexane
Concen: 20.722 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 63305

Ion	Ratio	Lower	Upper
83	100		
55	71.5	62.8	94.2
98	44.3	38.8	58.2

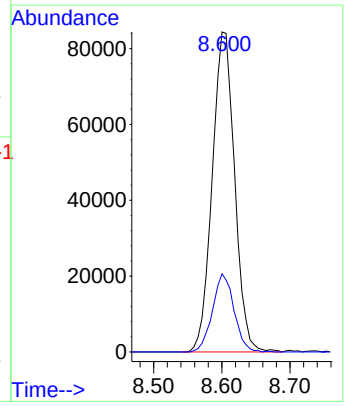


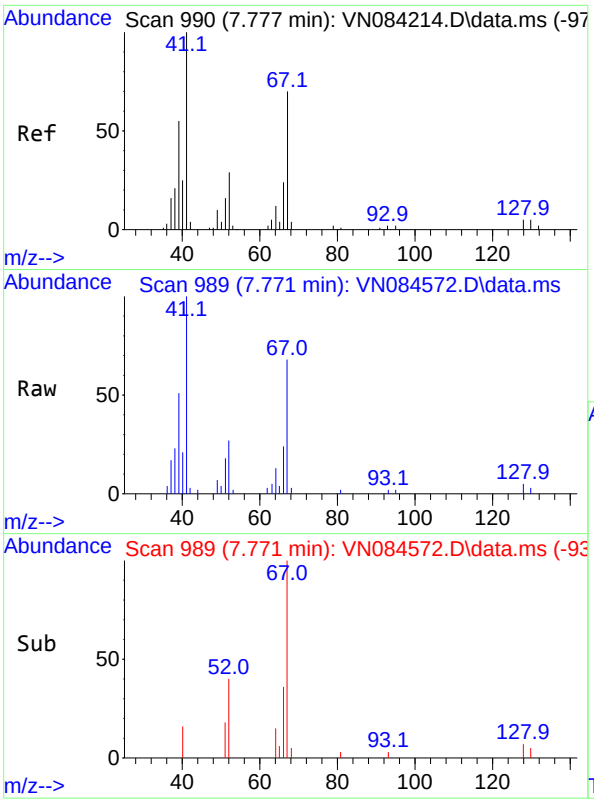


#40
Benzene
Concen: 20.026 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 78 Resp: 193129

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.1	28.7



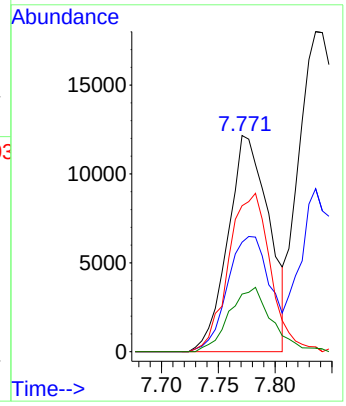


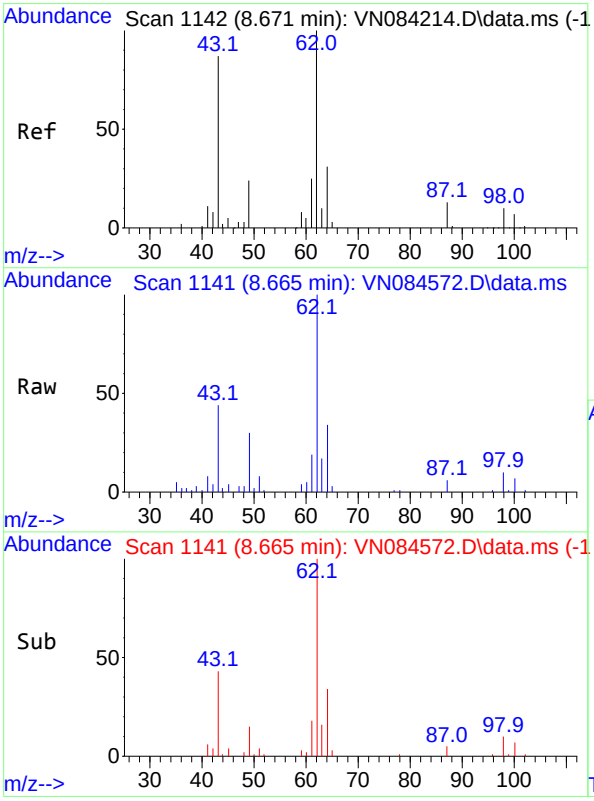
#41
Methacrylonitrile
Concen: 20.882 ug/l
RT: 7.771 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 30596

Ion	Ratio	Lower	Upper
41	100		
39	55.5	43.3	64.9
67	74.5	56.1	84.1
52	30.8	24.5	36.7

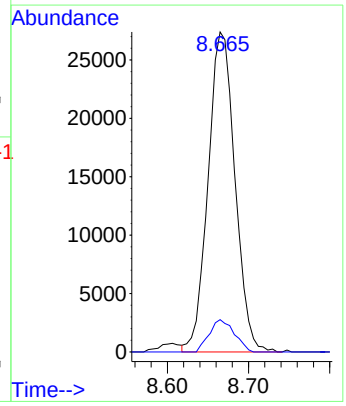


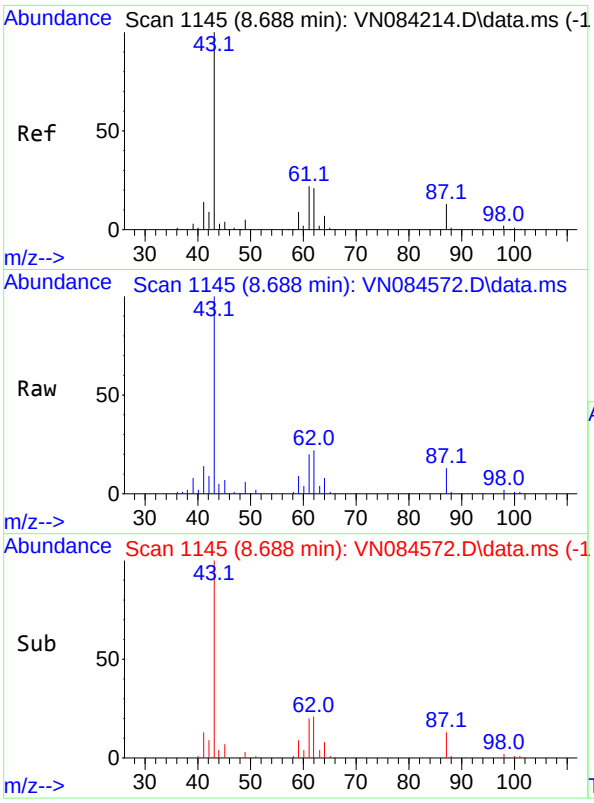


#42
1,2-Dichloroethane
Concen: 20.180 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 62 Resp: 63026

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.2



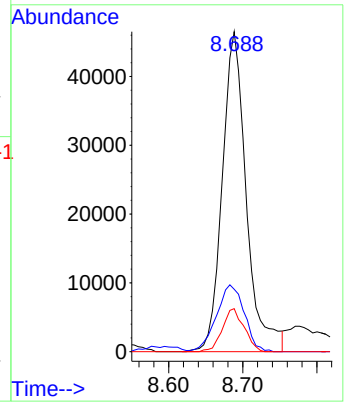


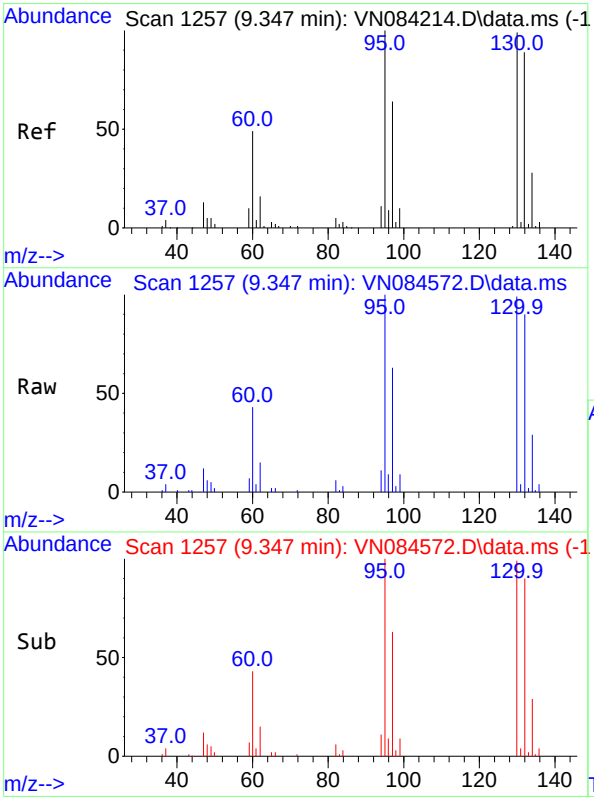
#43
Isopropyl Acetate
Concen: 20.277 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 104951

Ion	Ratio	Lower	Upper
43	100		
61	24.2	20.4	30.6
87	12.1	10.3	15.5

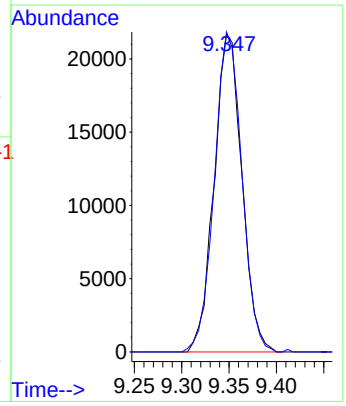


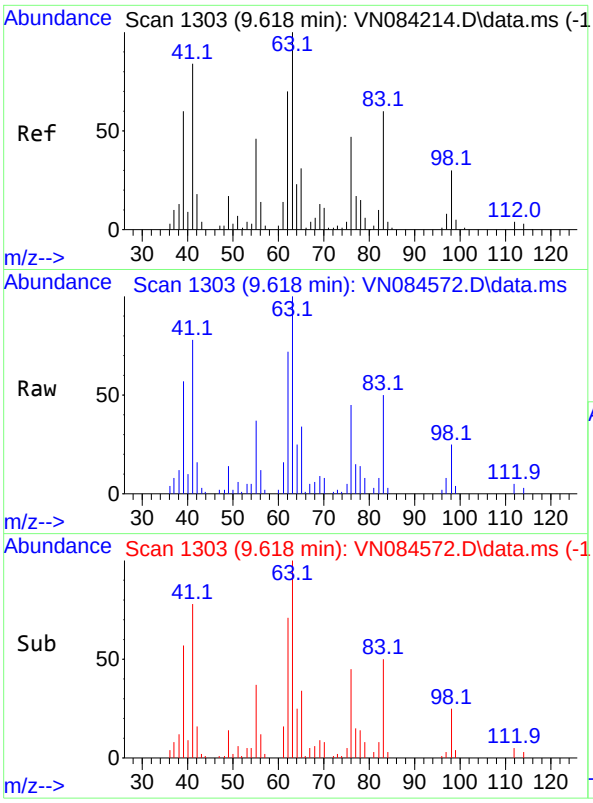


#44
Trichloroethene
Concen: 19.862 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:130 Resp: 44176

Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	203.0



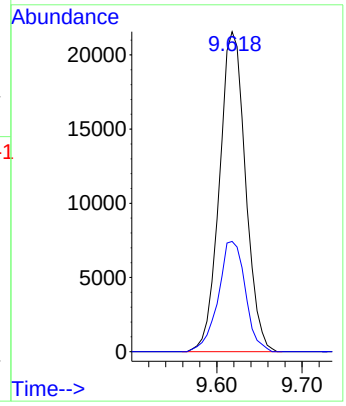


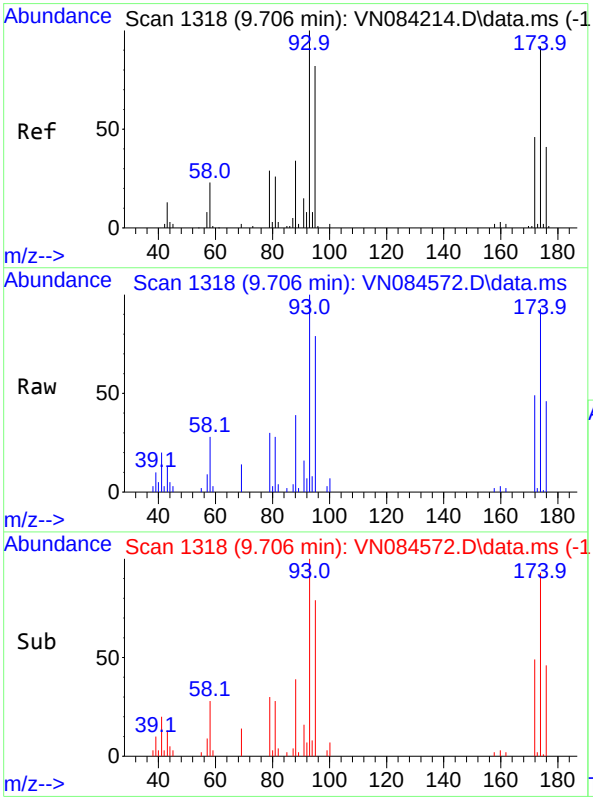
#45
1,2-Dichloropropane
Concen: 20.229 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 45764

Ion	Ratio	Lower	Upper
63	100		
65	34.4	24.6	37.0

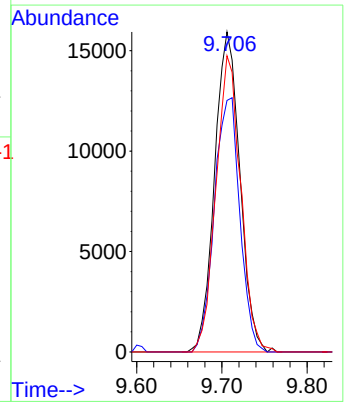


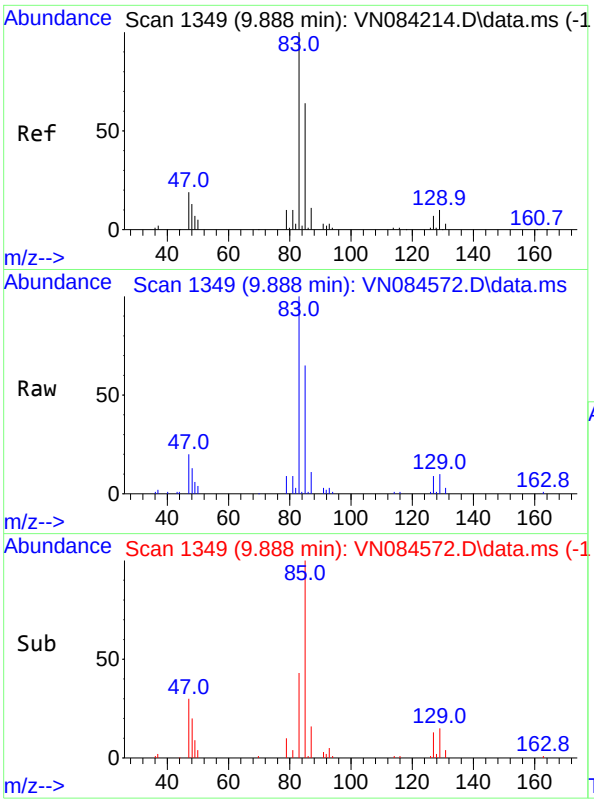


#46
Dibromomethane
Concen: 20.583 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 93 Resp: 32857

Ion	Ratio	Lower	Upper
93	100		
95	79.9	65.0	97.4
174	90.6	71.8	107.8



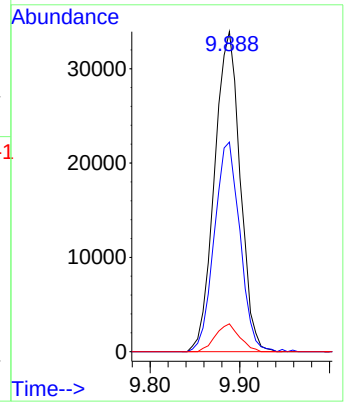


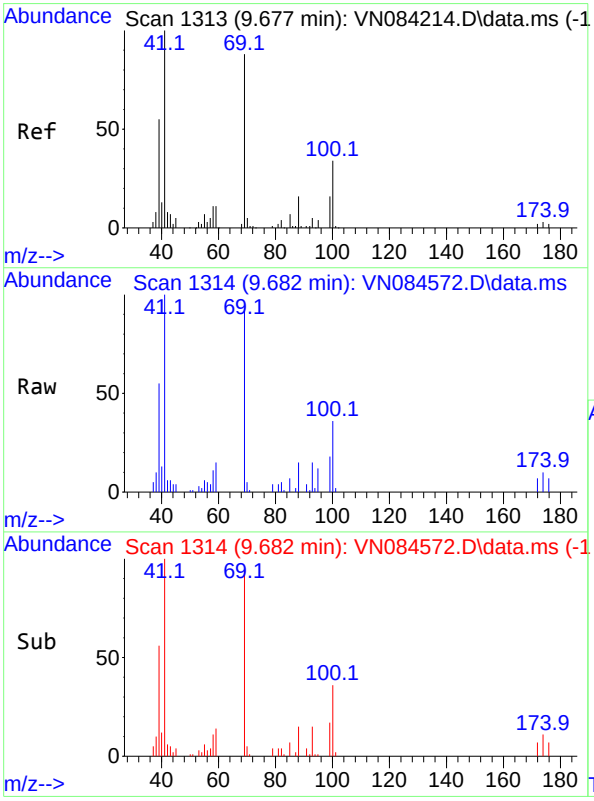
#47
Bromodichloromethane
Concen: 19.997 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 67288

Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.5	77.3
127	8.7	5.7	8.5#

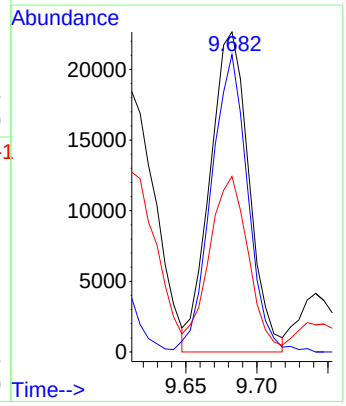


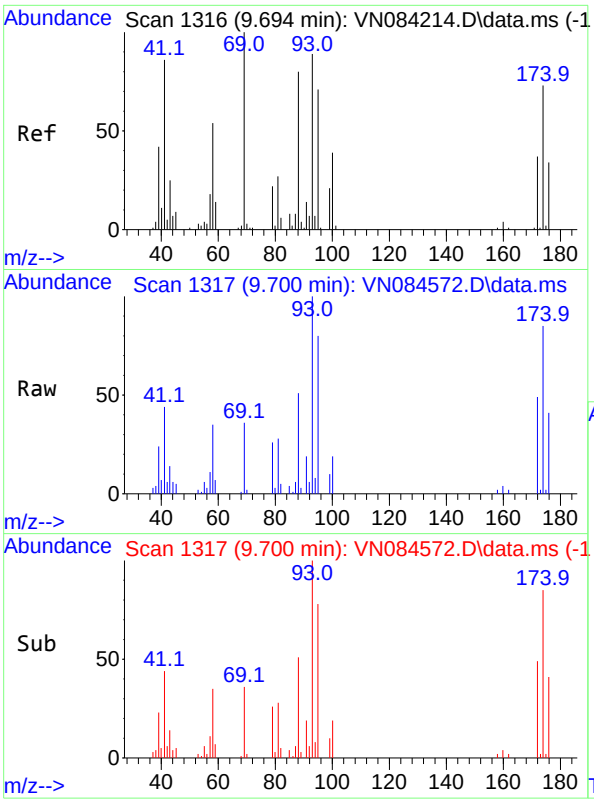


#48
Methyl methacrylate
Concen: 20.466 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 41 Resp: 43398

Ion	Ratio	Lower	Upper
41	100		
69	86.8	67.1	100.7
39	55.1	45.8	68.6



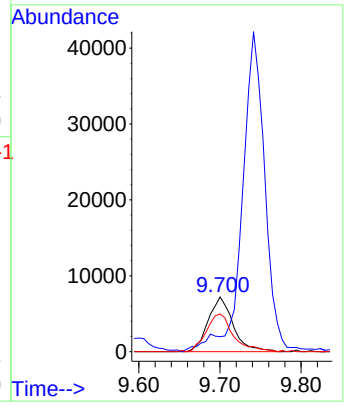


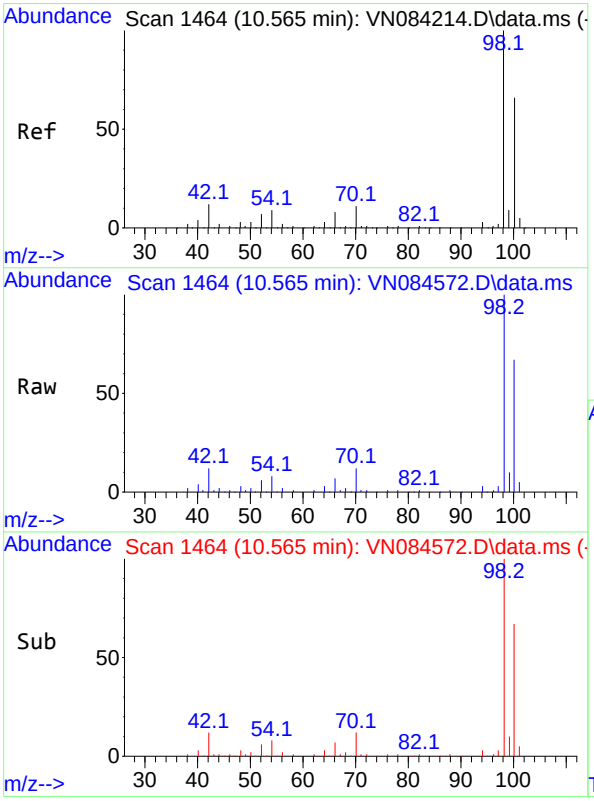
#49
1,4-Dioxane
Concen: 410.291 ug/l
RT: 9.700 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 15417

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	74.6	56.4	84.6

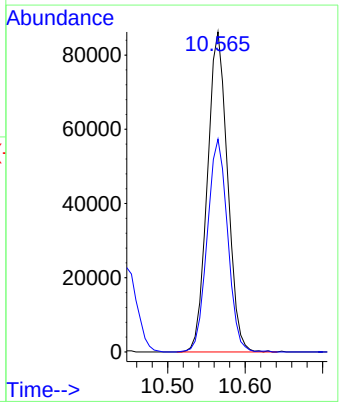


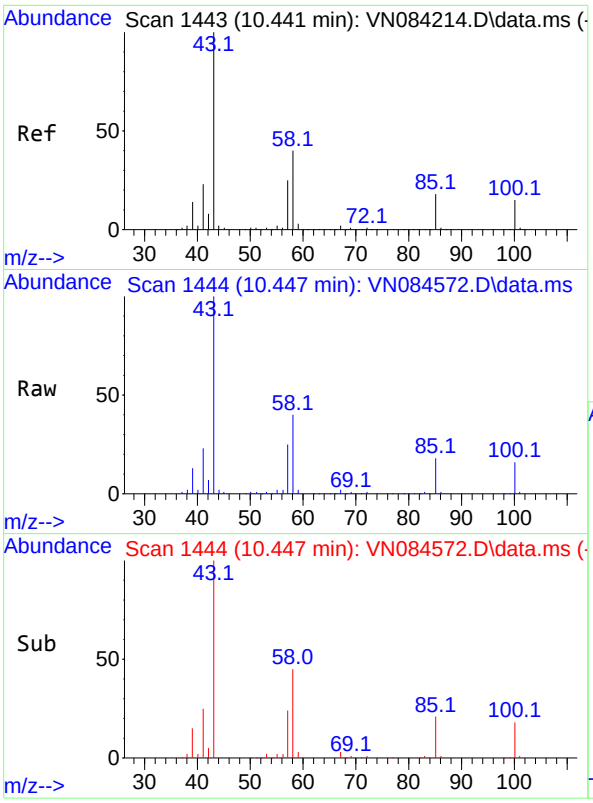


#50
Toluene-d8
Concen: 19.504 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 98 Resp: 155563

Ion	Ratio	Lower	Upper
98	100		
100	67.2	52.7	79.1



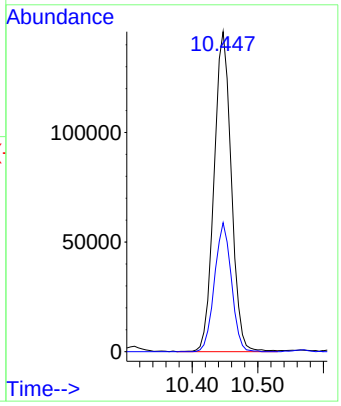


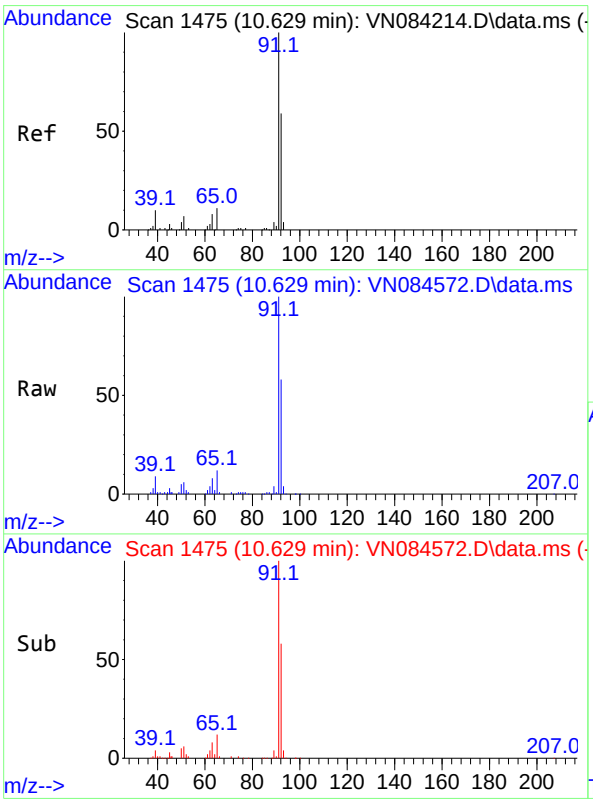
#51
4-Methyl-2-Pentanone
Concen: 102.417 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 266010

Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.6	47.4

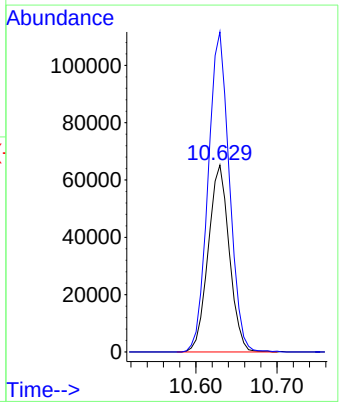


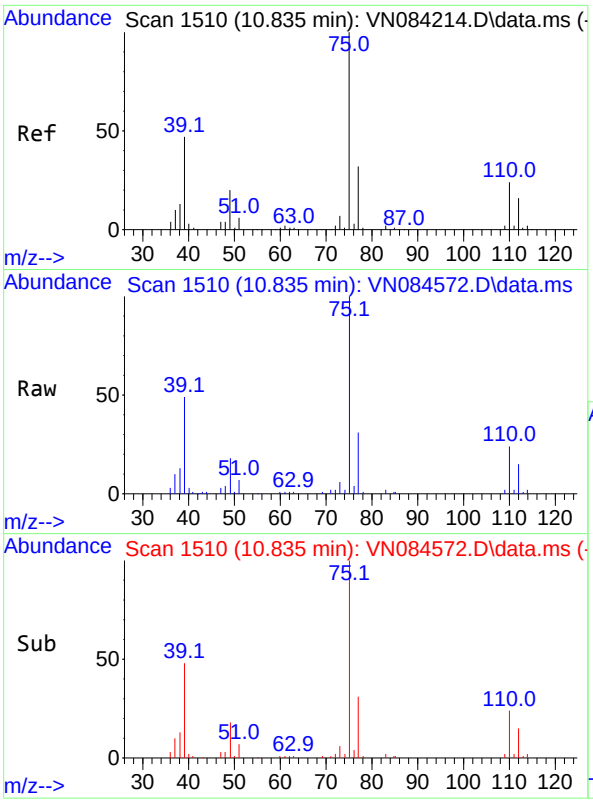


#52
Toluene
Concen: 20.838 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 92 Resp: 117530

Ion	Ratio	Lower	Upper
92	100		
91	172.4	137.3	205.9



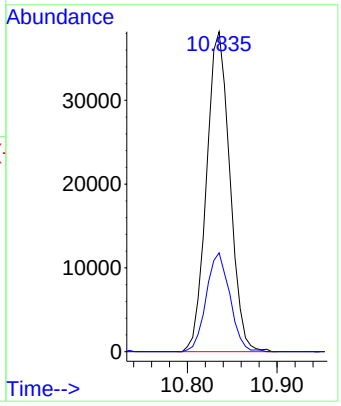


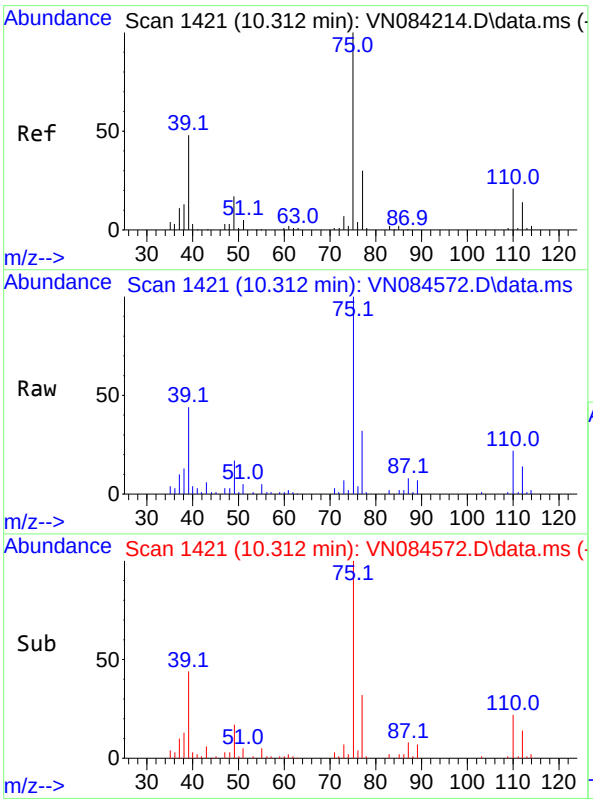
#53
t-1,3-Dichloropropene
Concen: 19.766 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 68847

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0

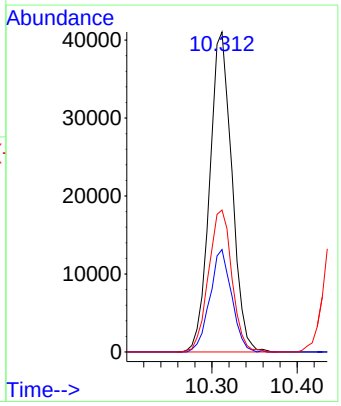


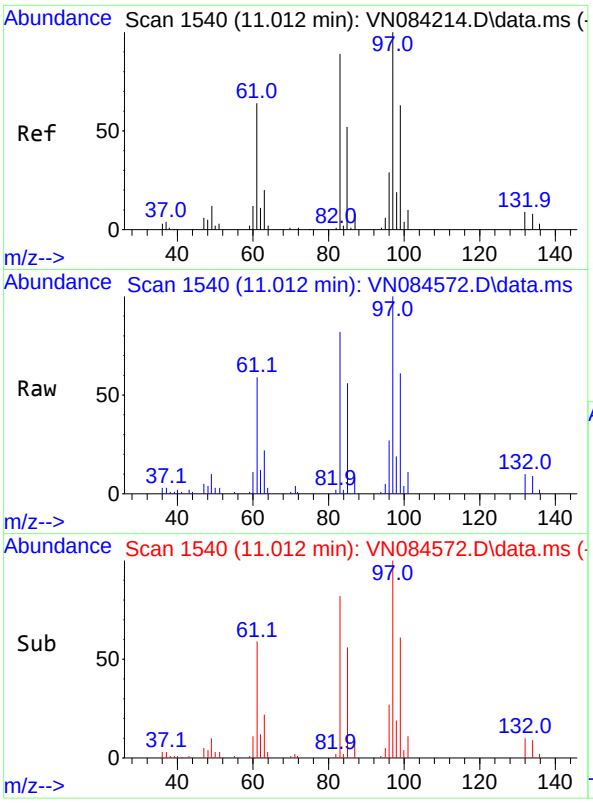


#54
cis-1,3-Dichloropropene
Concen: 20.208 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 75 Resp: 74498

Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.2	36.2
39	44.3	38.7	58.1



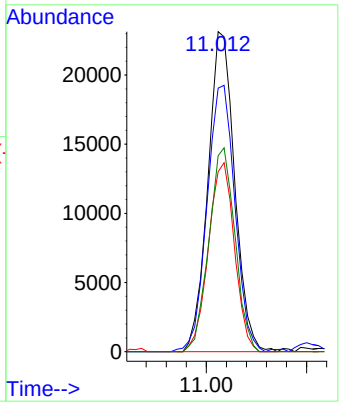


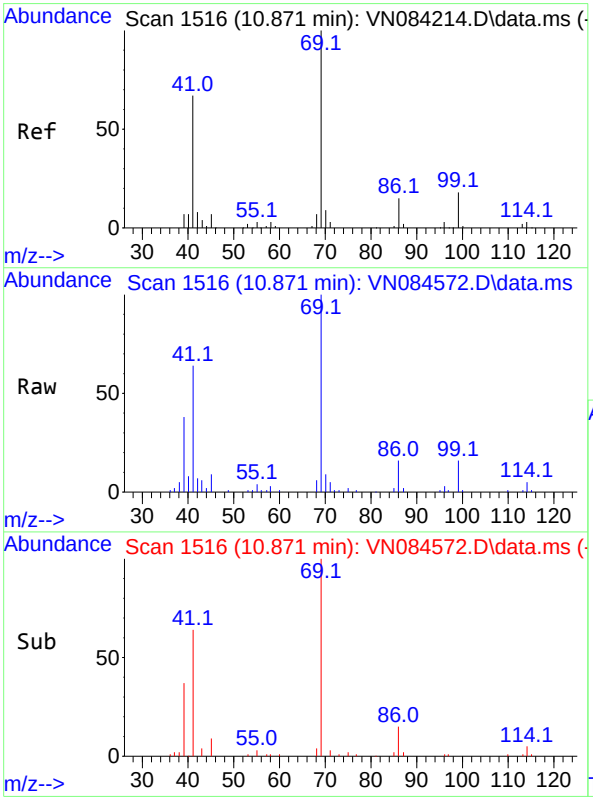
#55
1,1,2-Trichloroethane
Concen: 20.141 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 42791

Ion	Ratio	Lower	Upper
97	100		
83	81.7	71.0	106.4
85	56.2	41.7	62.5
99	61.2	50.1	75.1

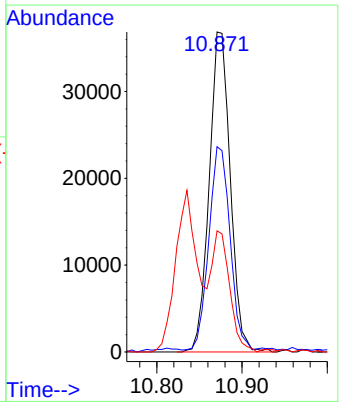


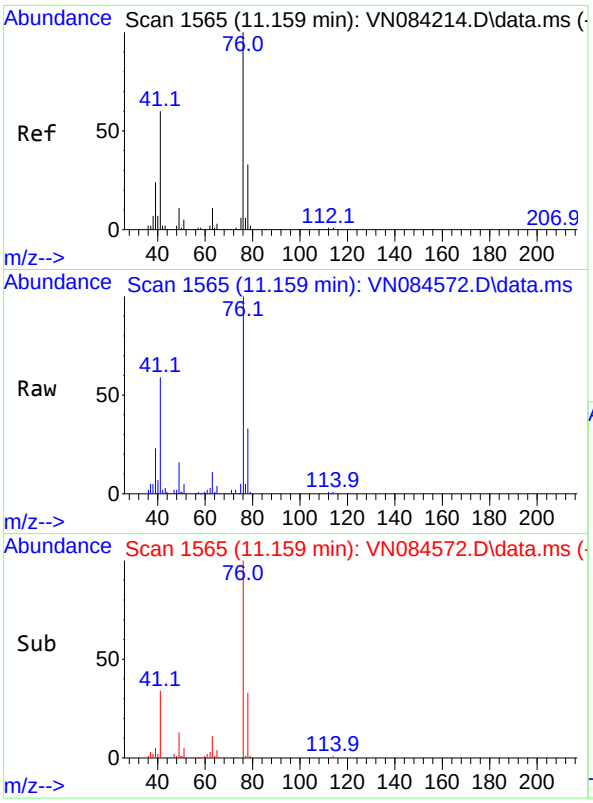


#56
Ethyl methacrylate
Concen: 20.613 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 69 Resp: 63347

Ion	Ratio	Lower	Upper
69	100		
41	64.3	53.3	79.9
39	31.9	28.8	43.2



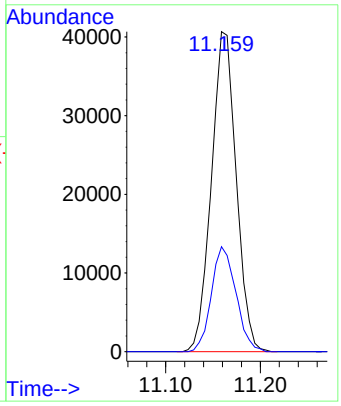


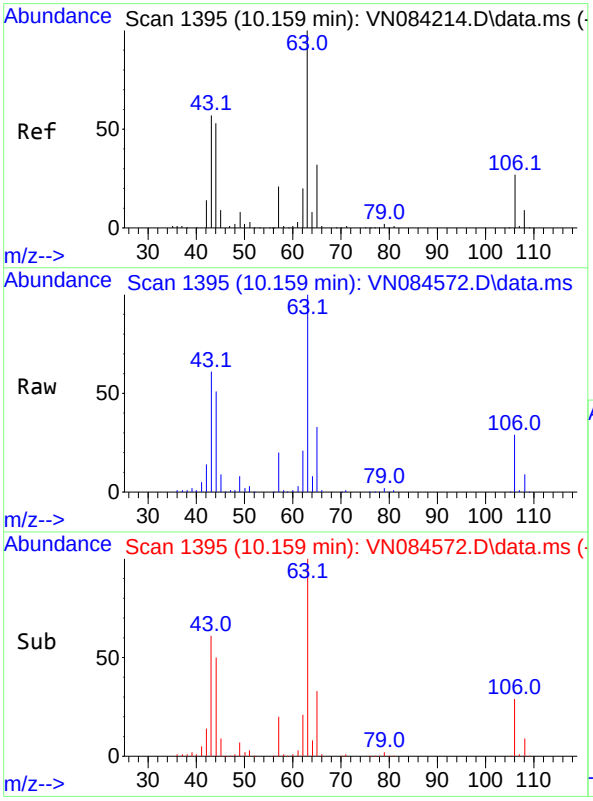
#57
1,3-Dichloropropane
Concen: 20.317 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 74082

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6

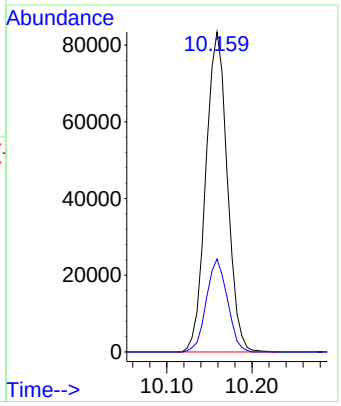


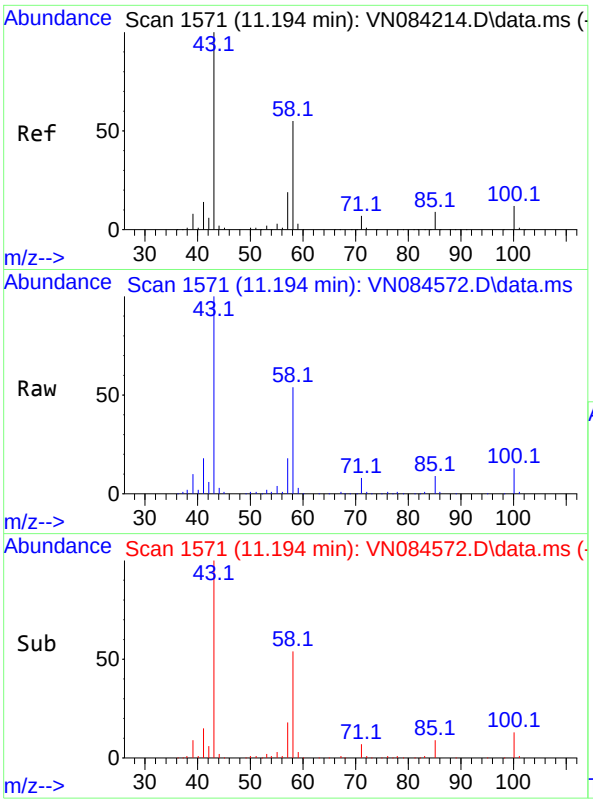


#58
2-Chloroethyl Vinyl ether
Concen: 101.786 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 63 Resp: 146372

Ion	Ratio	Lower	Upper
63	100		
106	28.4	21.8	32.6



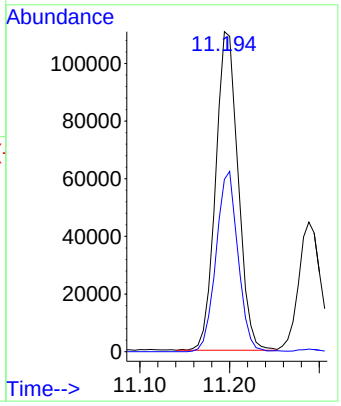


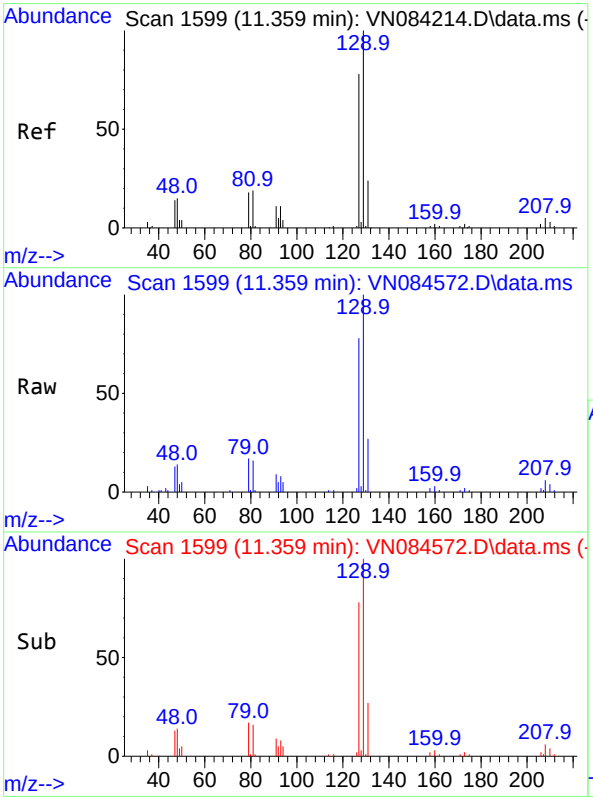
#59
2-Hexanone
Concen: 101.735 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 192335

Ion	Ratio	Lower	Upper
43	100		
58	55.2	27.3	81.8

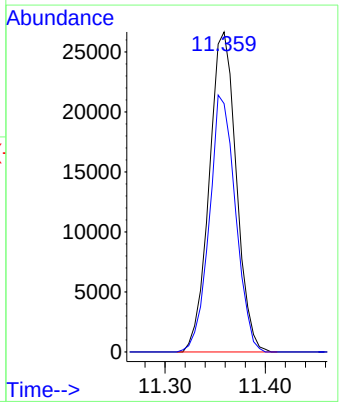


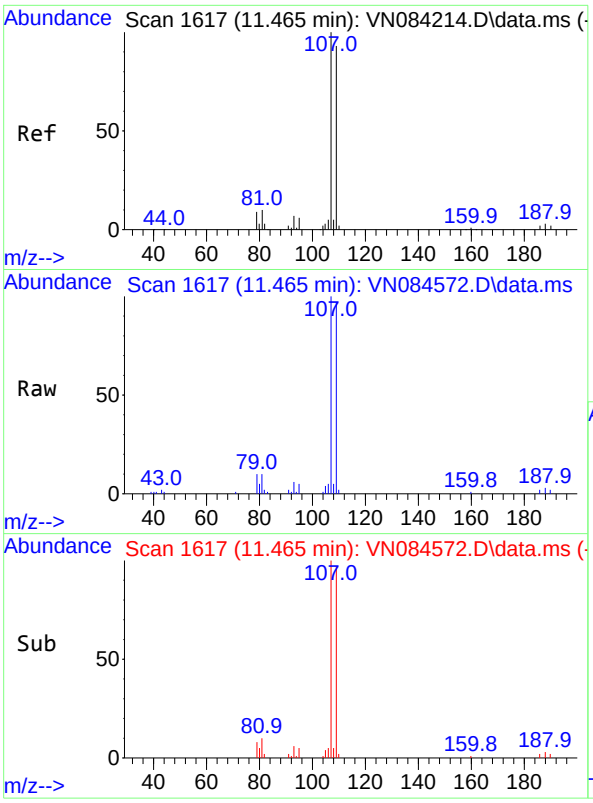


#60
Dibromochloromethane
Concen: 20.665 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:129 Resp: 50039

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.3	114.9



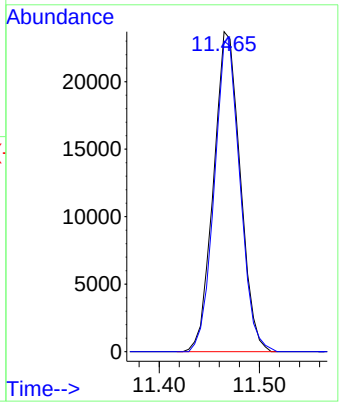


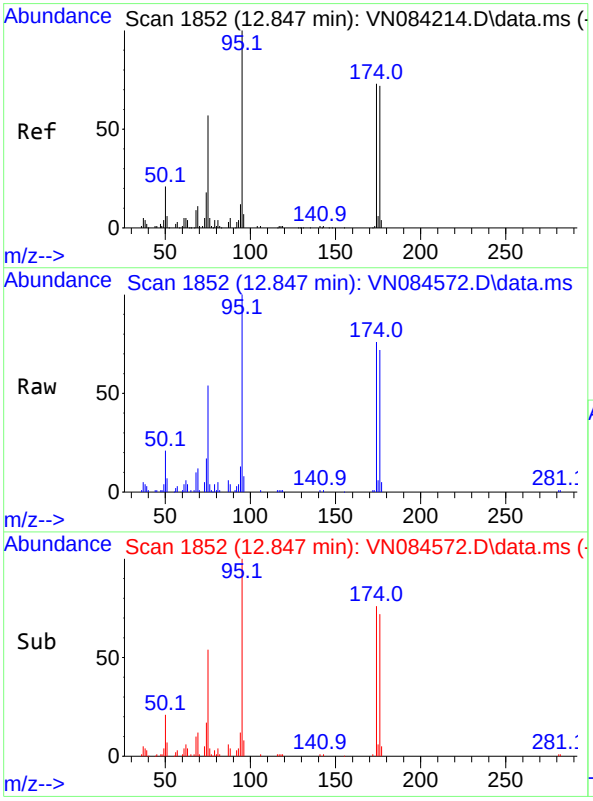
#61
1,2-Dibromoethane
Concen: 20.070 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 43666

Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.4	113.0

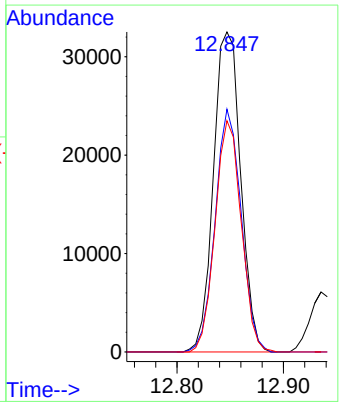


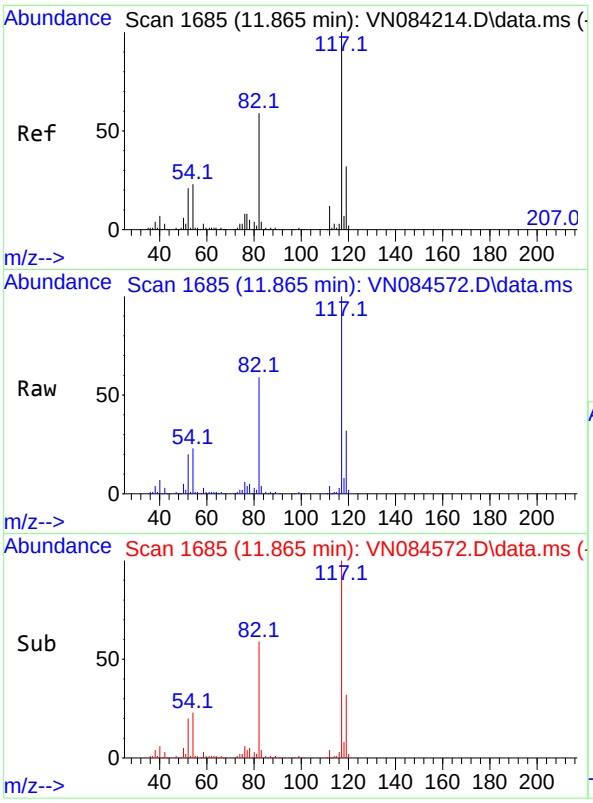


#62
4-Bromofluorobenzene
Concen: 19.330 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 95 Resp: 57622

Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	145.2
176	69.4	0.0	140.0



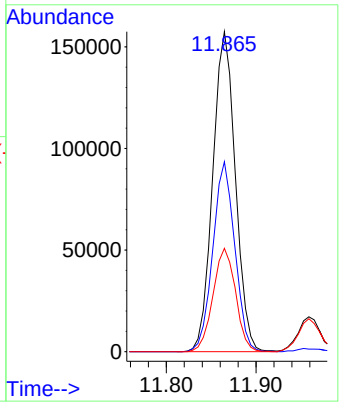


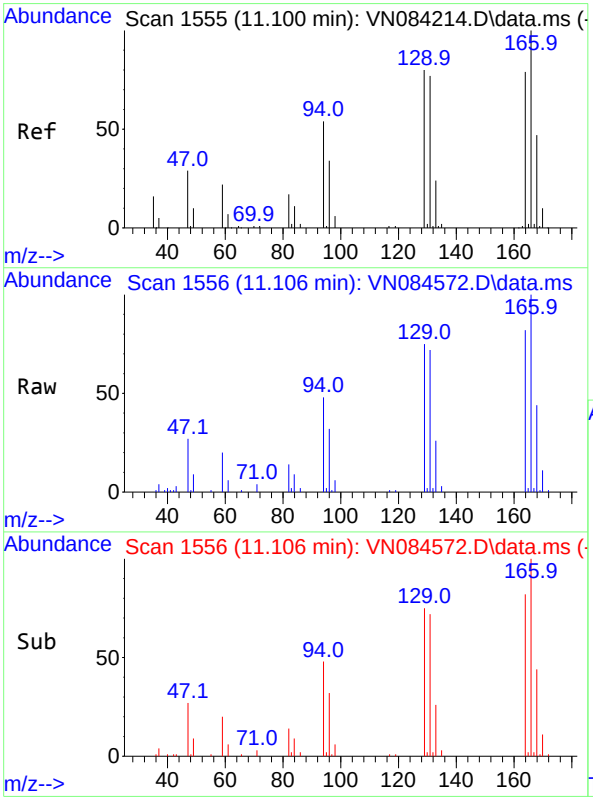
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 275857

Ion	Ratio	Lower	Upper
117	100		
82	59.3	47.2	70.8
119	32.3	25.4	38.0

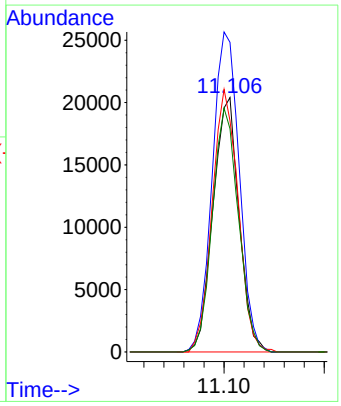


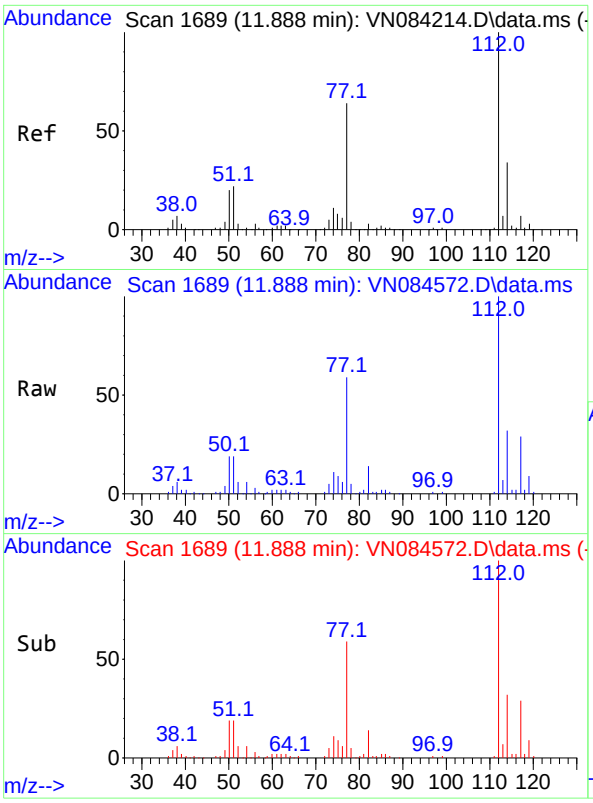


#64
Tetrachloroethene
Concen: 20.054 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:164 Resp: 36798

Ion	Ratio	Lower	Upper
164	100		
166	121.7	101.0	151.4
129	90.9	80.8	121.2
131	87.7	78.1	117.1



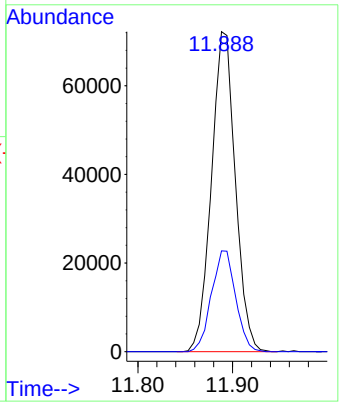


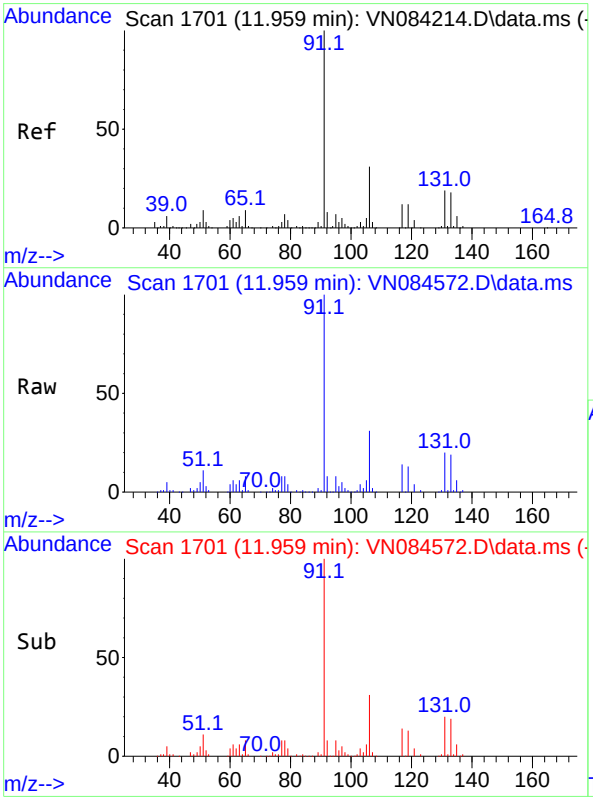
#65
Chlorobenzene
Concen: 20.539 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 126753

Ion	Ratio	Lower	Upper
112	100		
114	31.5	27.0	40.6

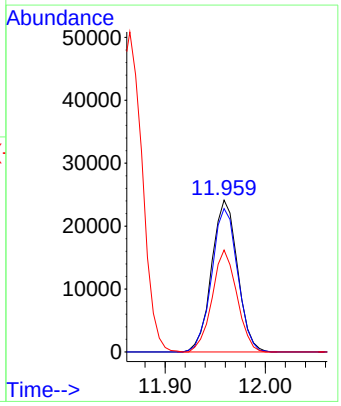


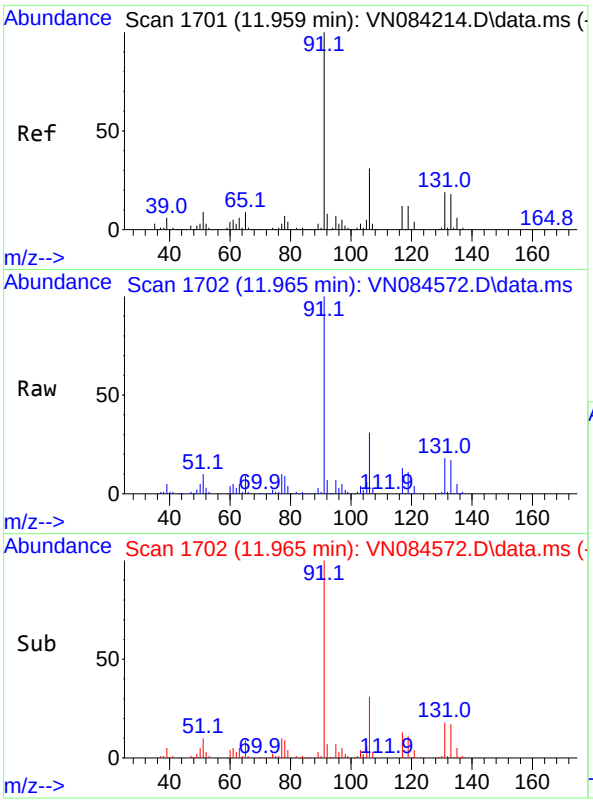


#66
1,1,1,2-Tetrachloroethane
Concen: 20.125 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:131 Resp: 43201

Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.9	143.7
119	64.3	32.8	98.3



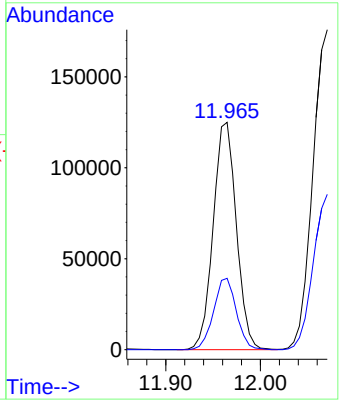


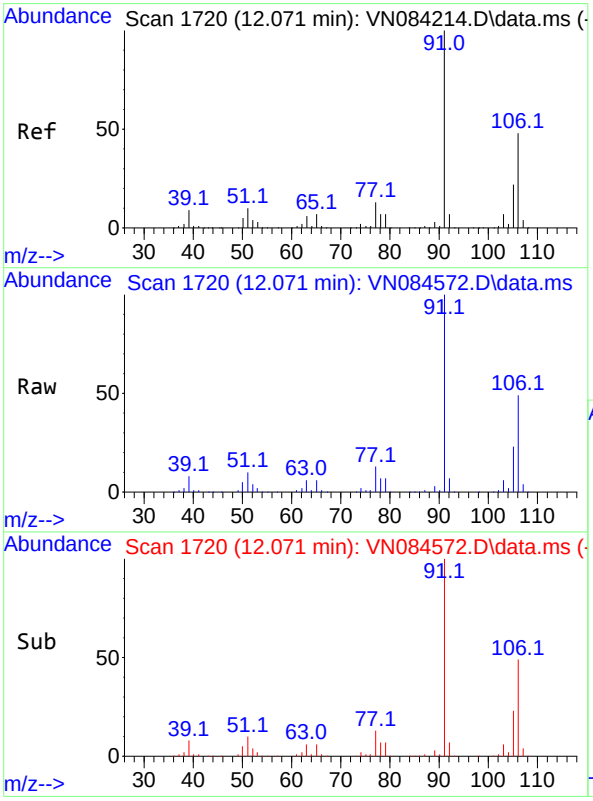
#67
Ethyl Benzene
Concen: 20.651 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 212737

Ion	Ratio	Lower	Upper
91	100		
106	31.4	24.5	36.7

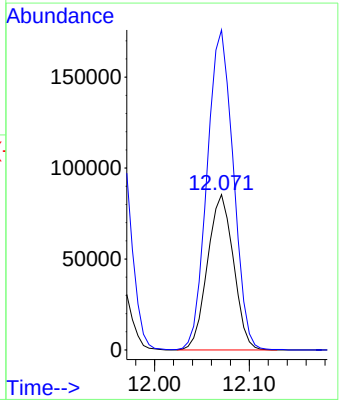


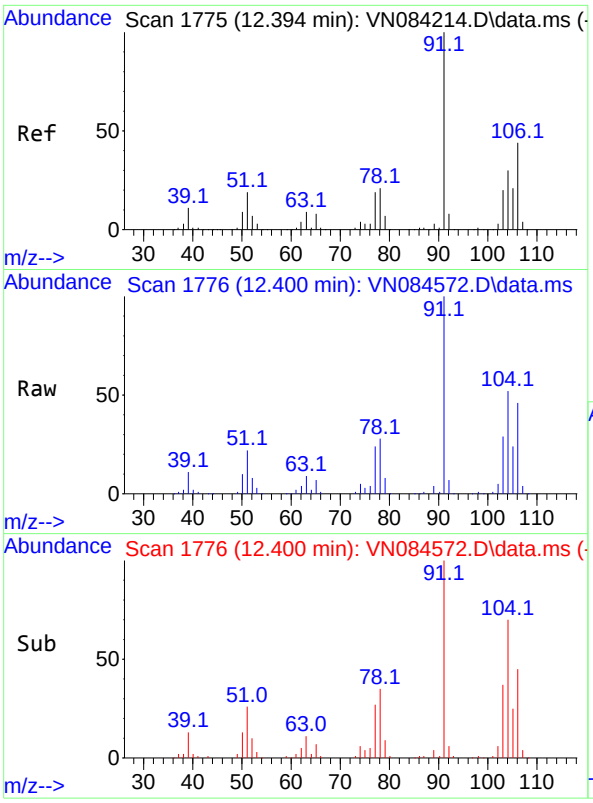


#68
m/p-Xylenes
Concen: 41.732 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:106 Resp: 162754

Ion	Ratio	Lower	Upper
106	100		
91	207.9	167.1	250.7



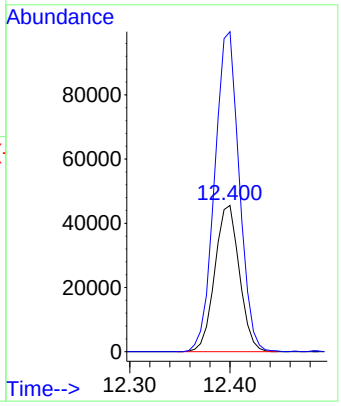


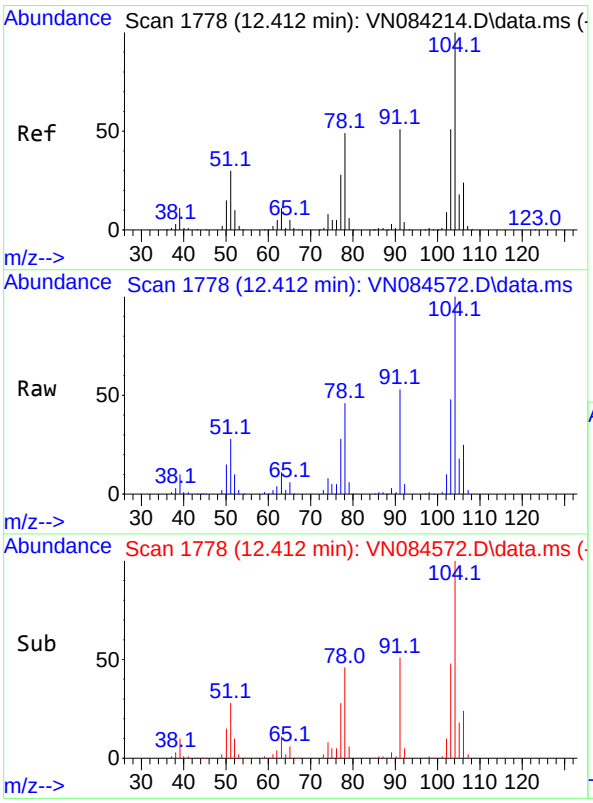
#69
o-Xylene
Concen: 21.214 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 77396

Ion	Ratio	Lower	Upper
106	100		
91	219.2	110.2	330.6

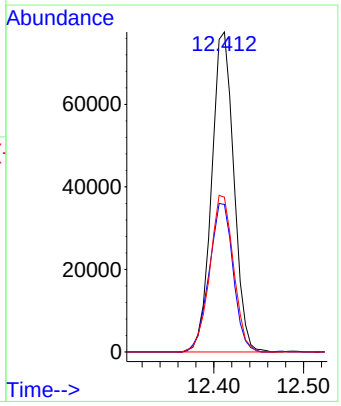


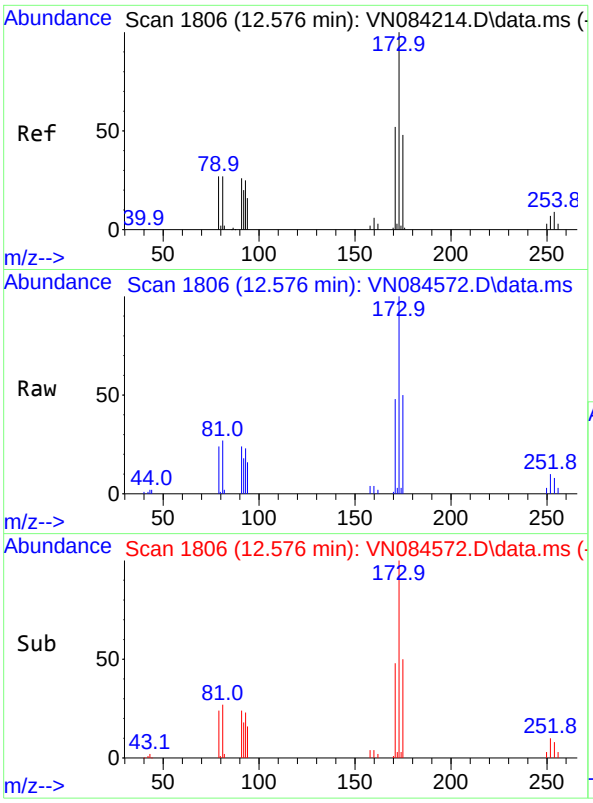


#70
Styrene
Concen: 20.907 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:104 Resp: 133059

Ion	Ratio	Lower	Upper
104	100		
78	50.1	42.7	64.1
103	52.2	43.6	65.4



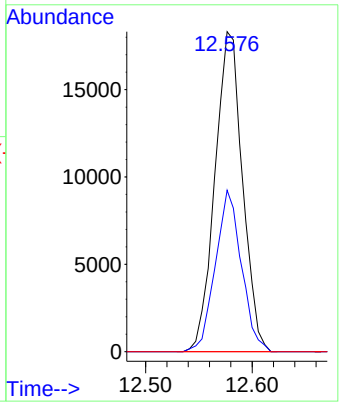


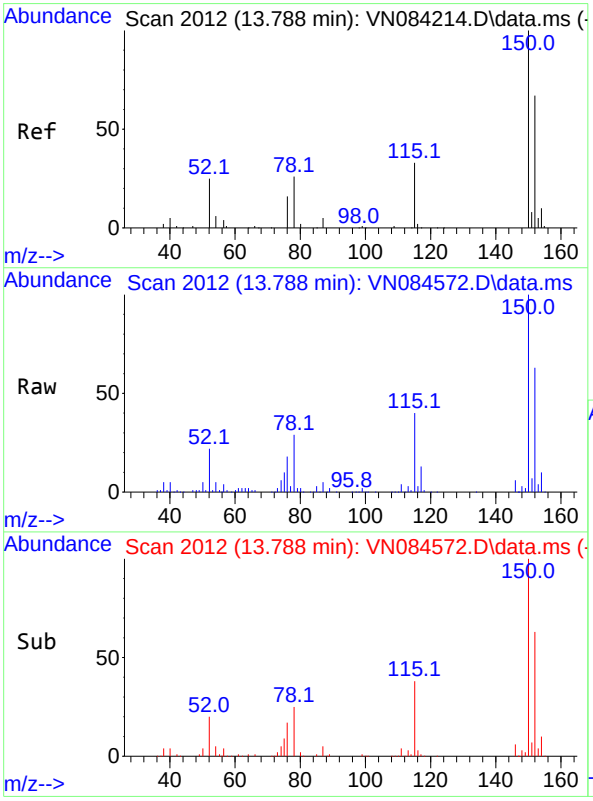
#71
Bromoform
Concen: 20.369 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 32901

Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.5	70.6
254	0.0	0.0	0.0

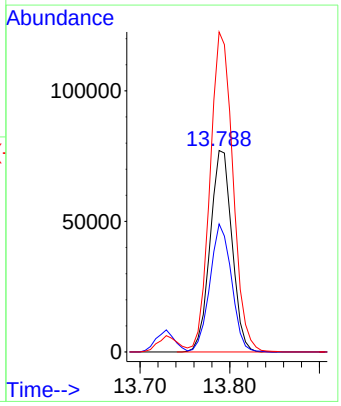


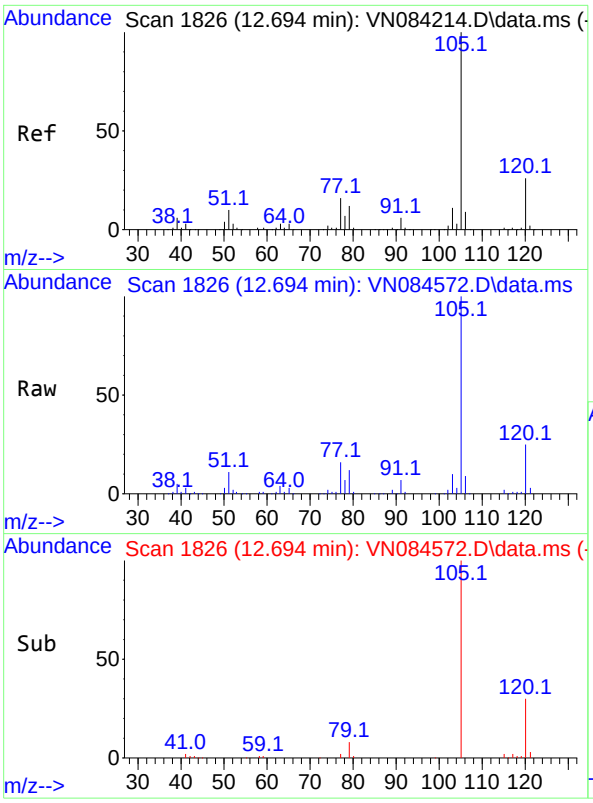


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:152 Resp: 130374

Ion	Ratio	Lower	Upper
152	100		
115	63.0	31.3	93.9
150	166.7	0.0	349.8



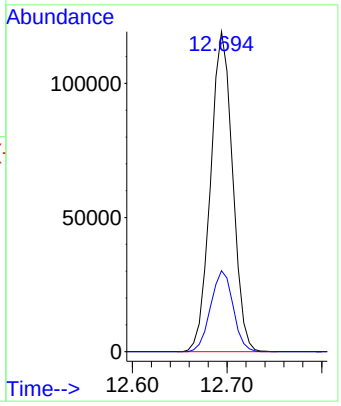


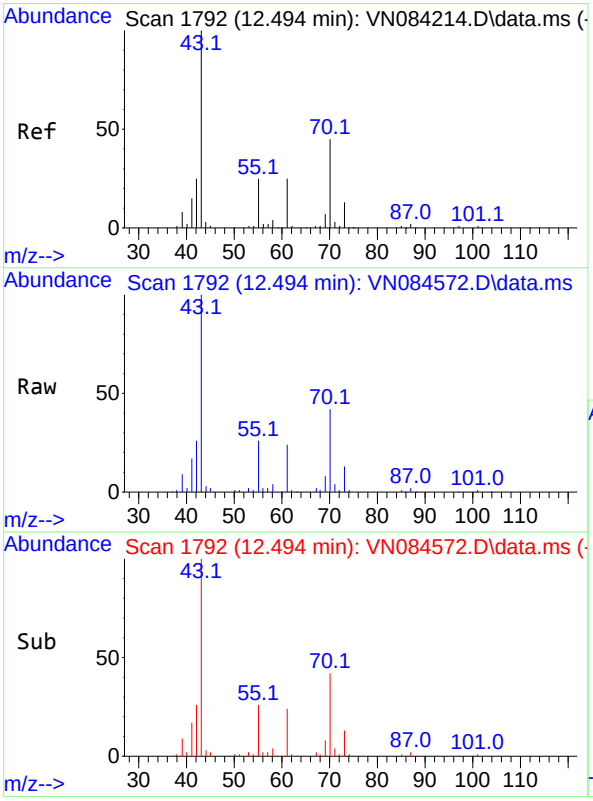
#73
Isopropylbenzene
Concen: 21.127 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 193023

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.9	38.7

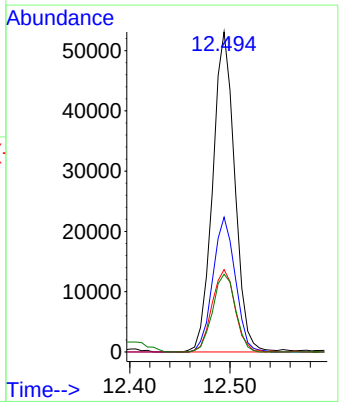


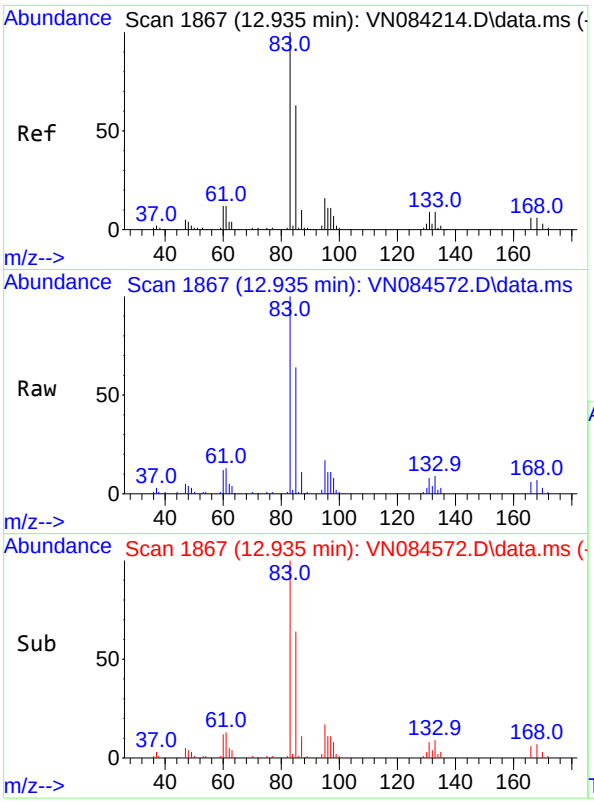


#74
N-amyl acetate
Concen: 20.815 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 43 Resp: 80939

Ion	Ratio	Lower	Upper
43	100		
70	42.8	34.4	51.6
55	26.8	19.6	29.4
61	25.2	19.6	29.4



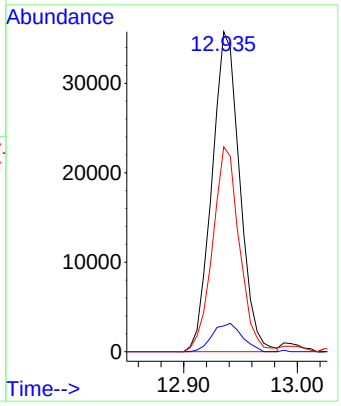


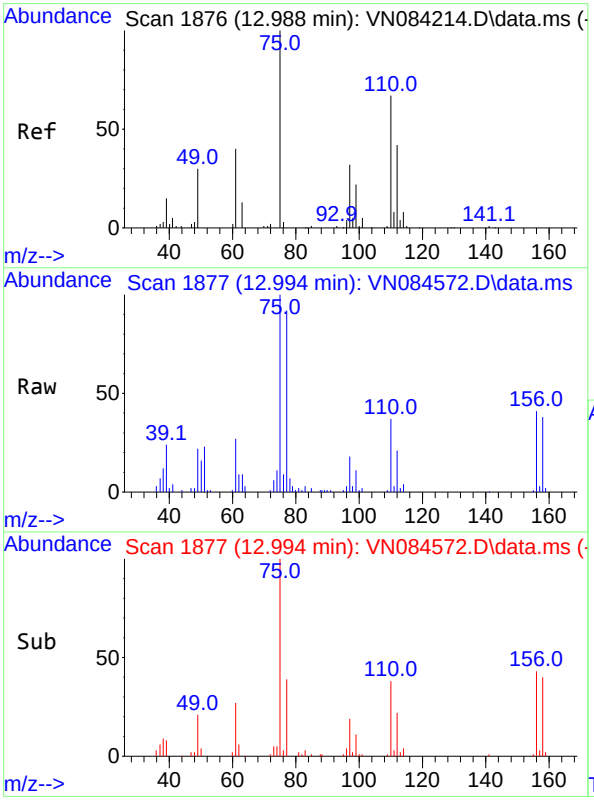
#75
1,1,2,2-Tetrachloroethane
Concen: 19.886 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 60645

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.7
85	61.8	31.9	95.7

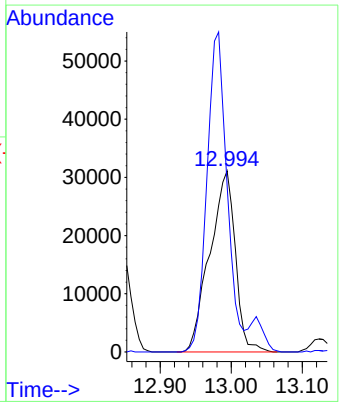


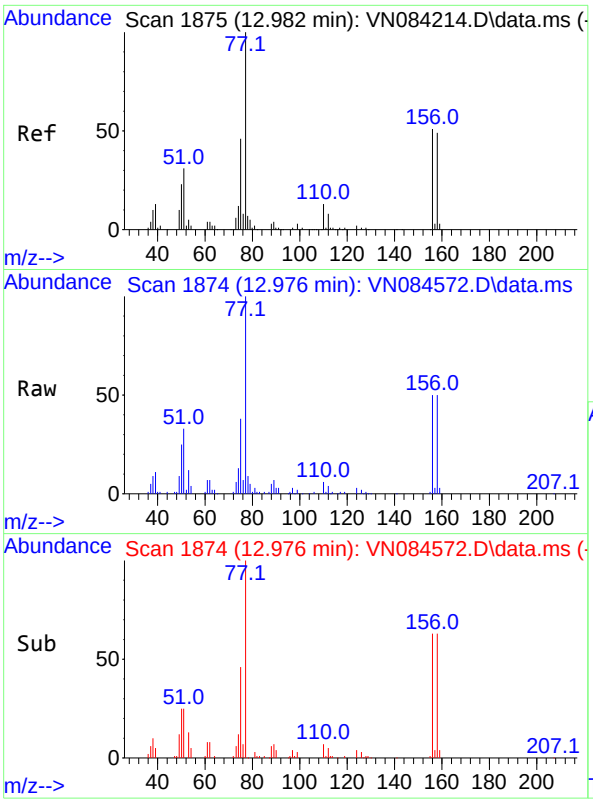


#76
1,2,3-Trichloropropane
Concen: 30.169 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 75 Resp: 77615

Ion	Ratio	Lower	Upper
75	100		
77	138.7	96.9	290.7



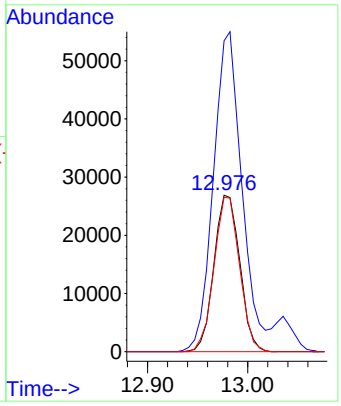


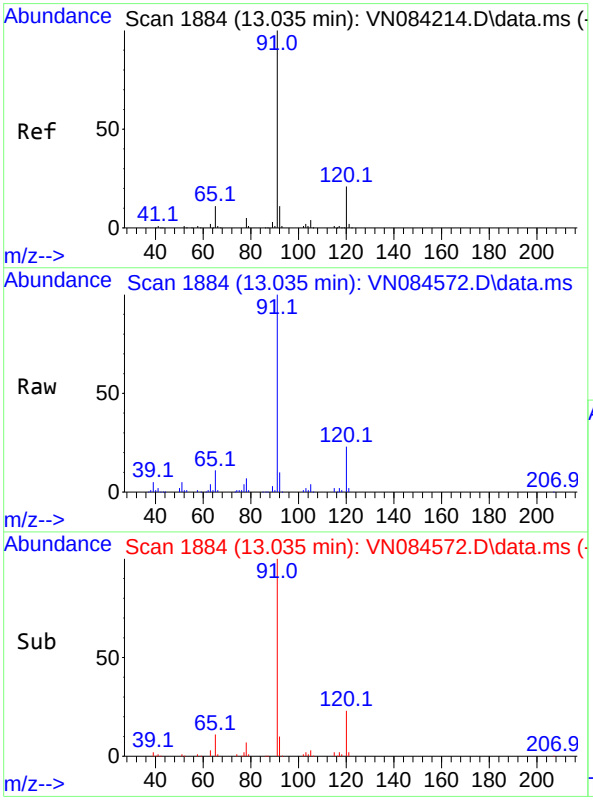
#77
Bromobenzene
Concen: 19.550 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 48017

Ion	Ratio	Lower	Upper
156	100		
77	224.2	115.1	345.3
158	97.5	48.9	146.8

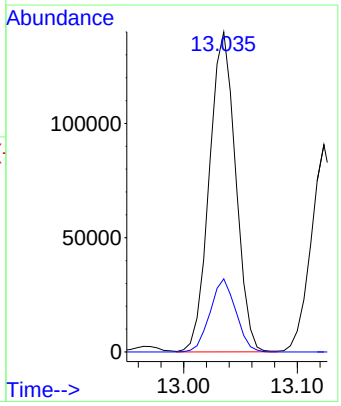


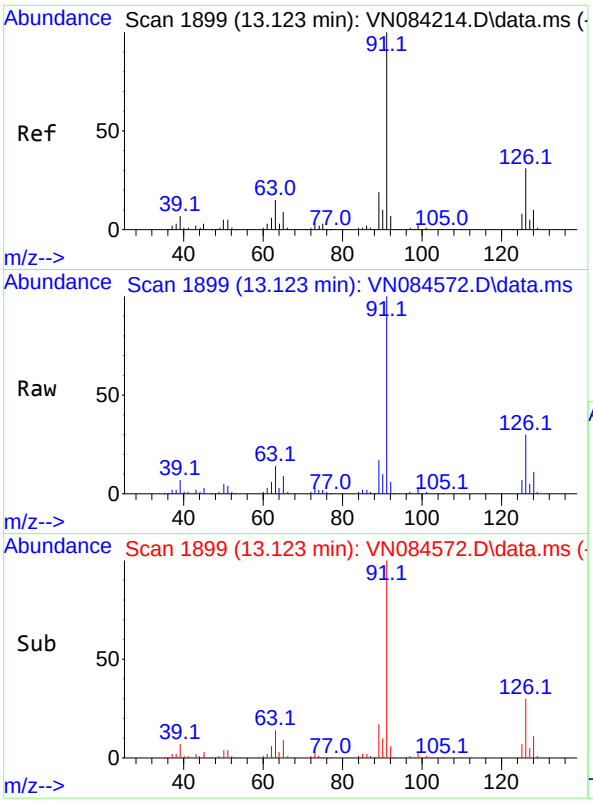


#78
n-propylbenzene
Concen: 21.024 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 91 Resp: 225085

Ion	Ratio	Lower	Upper
91	100		
120	22.3	10.8	32.4



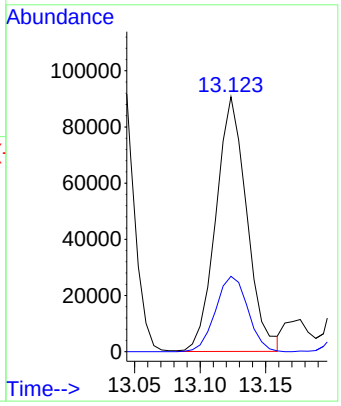


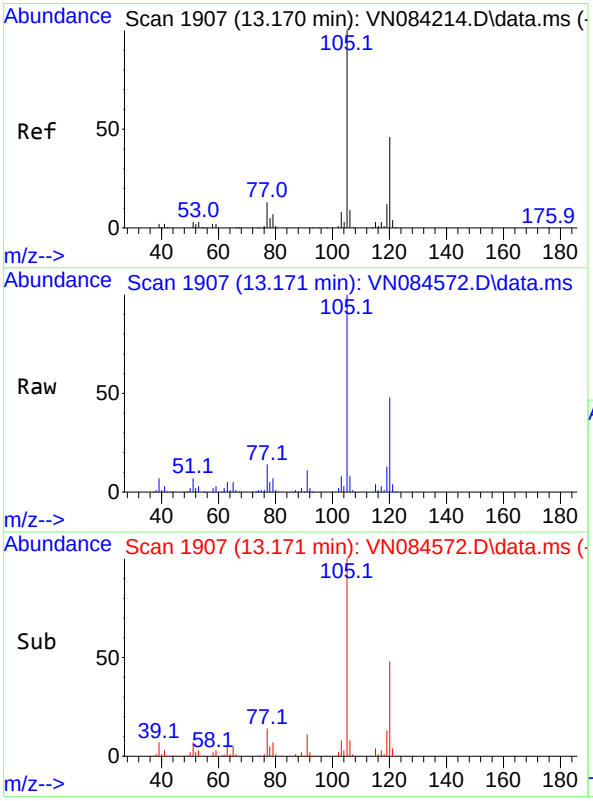
#79
2-Chlorotoluene
Concen: 21.233 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 148533

Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.7	47.1

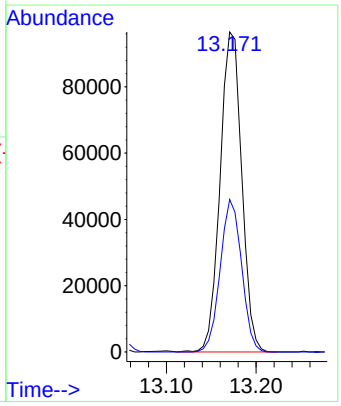


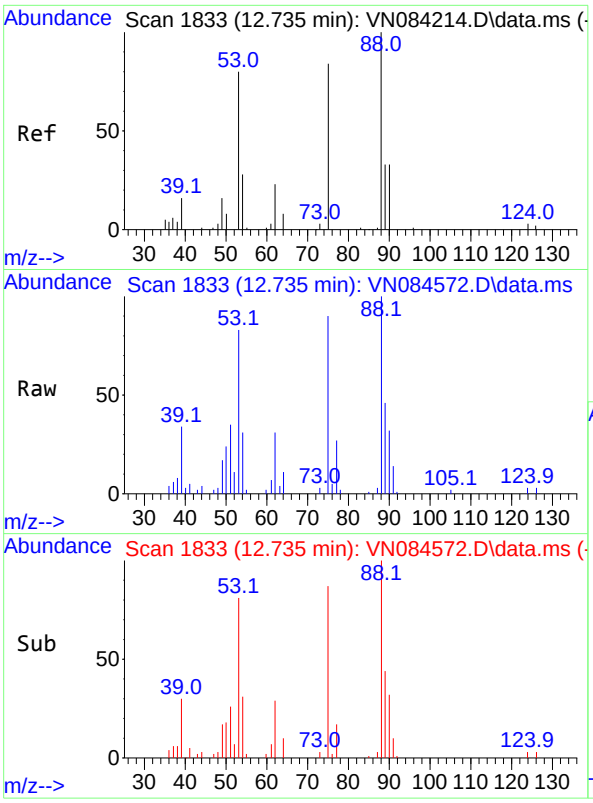


#80
1,3,5-Trimethylbenzene
Concen: 21.343 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:105 Resp: 161619

Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.7	71.1



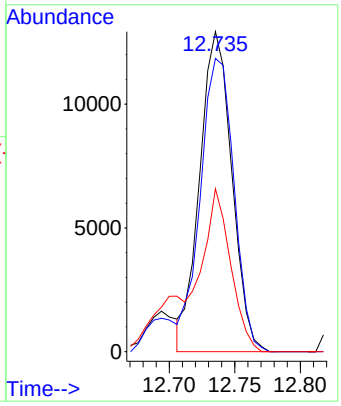


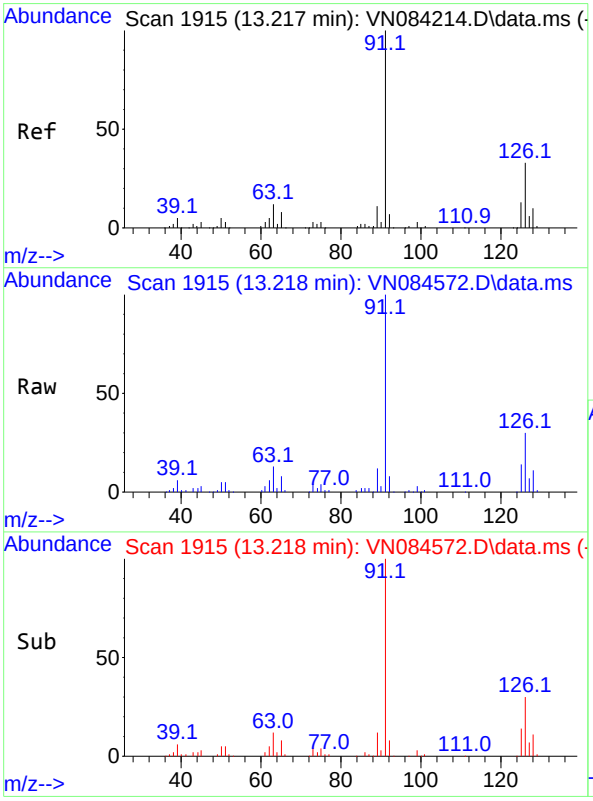
#81
trans-1,4-Dichloro-2-butene
Concen: 20.070 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 22047

Ion	Ratio	Lower	Upper
75	100		
53	106.0	78.0	117.0
89	64.0	35.5	53.3#

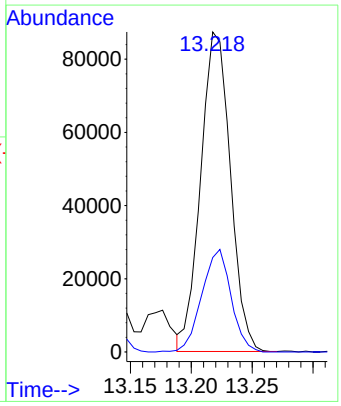


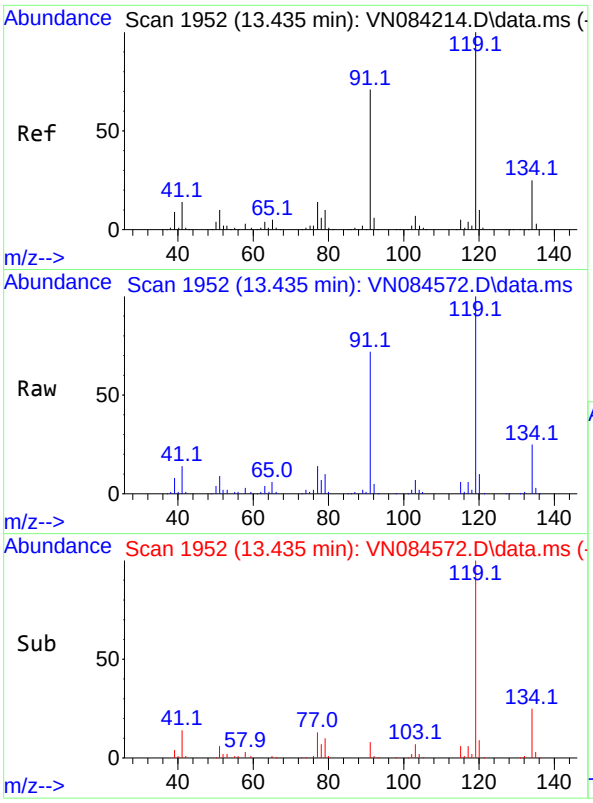


#82
4-Chlorotoluene
Concen: 20.102 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 91 Resp: 147989

Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.7	47.1



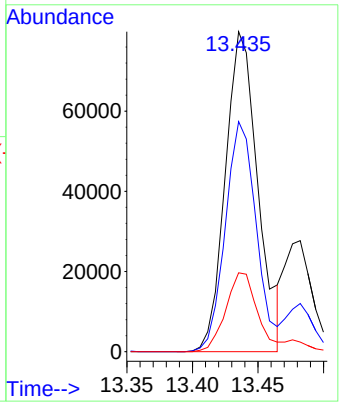


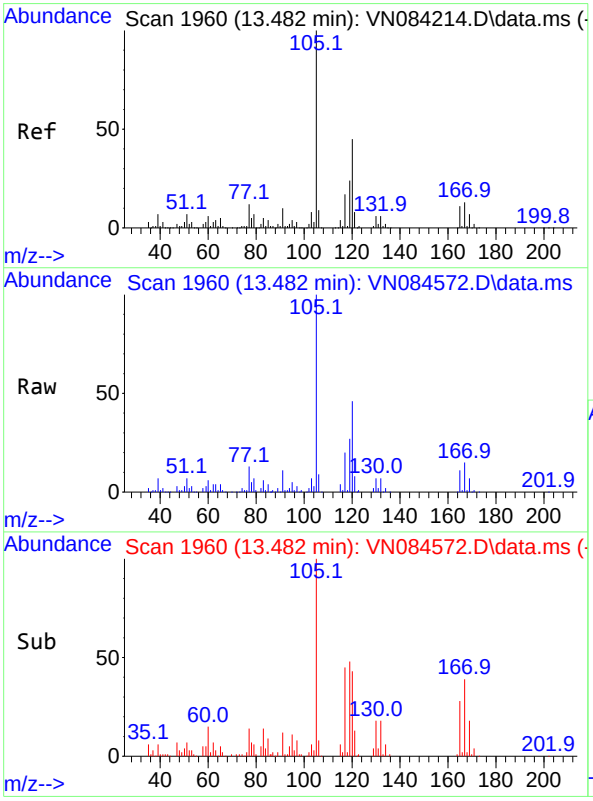
#83
tert-Butylbenzene
Concen: 22.033 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 138079

Ion	Ratio	Lower	Upper
119	100		
91	68.5	34.1	102.3
134	26.4	12.8	38.4

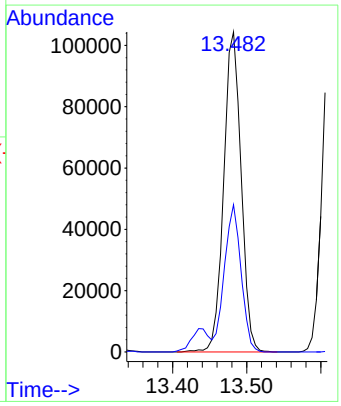


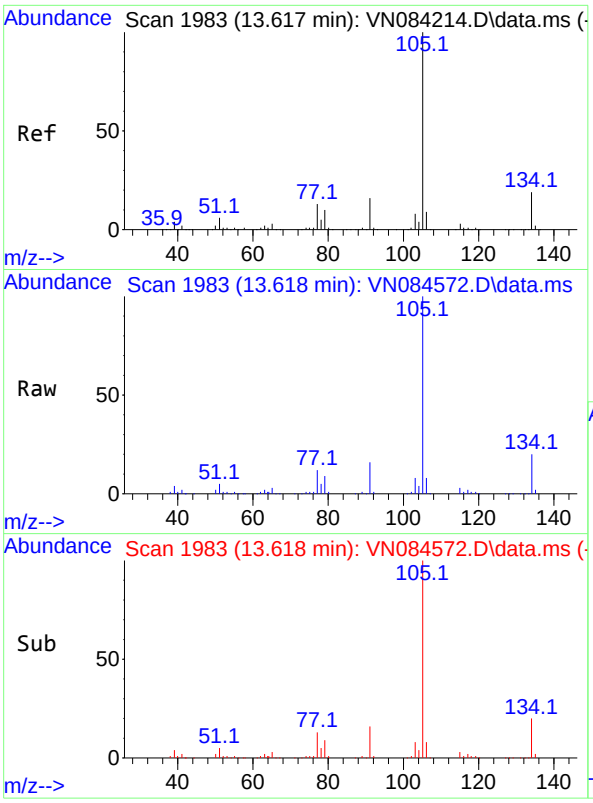


#84
1,2,4-Trimethylbenzene
Concen: 21.783 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:105 Resp: 170246

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.3	66.8



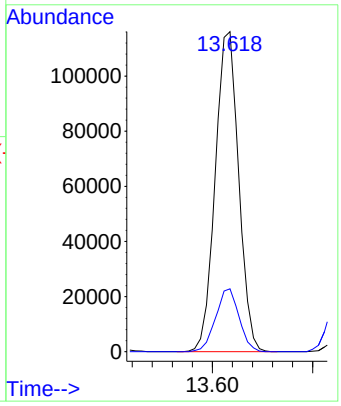


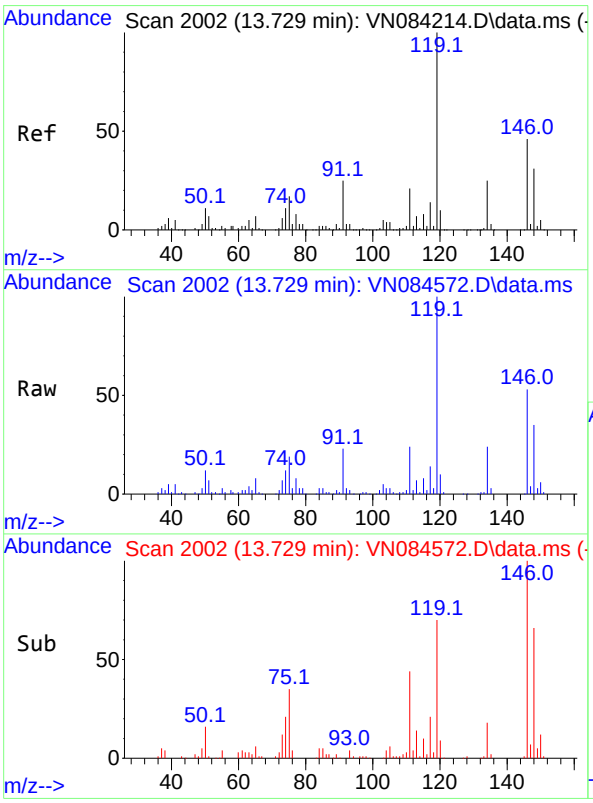
#85
sec-Butylbenzene
Concen: 21.255 ug/l
RT: 13.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 188158

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

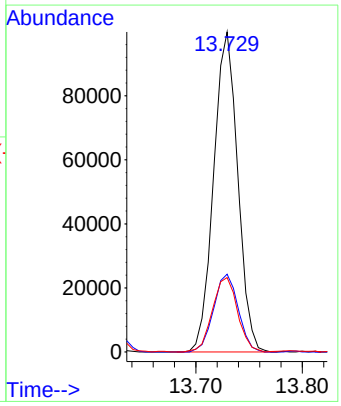


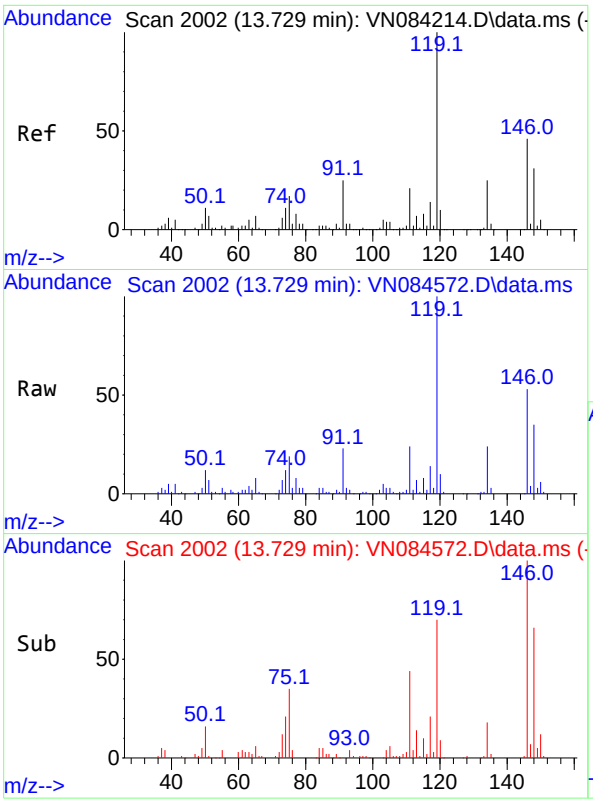


#86
p-Isopropyltoluene
Concen: 21.569 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:119 Resp: 156598

Ion	Ratio	Lower	Upper
119	100		
134	24.9	12.6	37.8
91	24.3	12.4	37.2



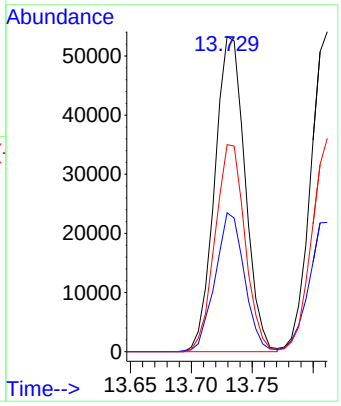


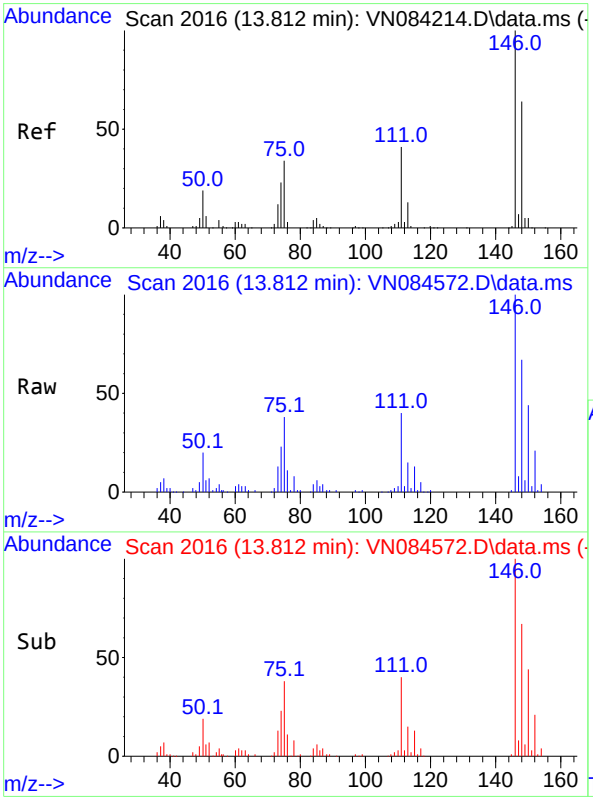
#87
1,3-Dichlorobenzene
Concen: 19.258 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 92310

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.8	65.3
148	64.8	31.9	95.7

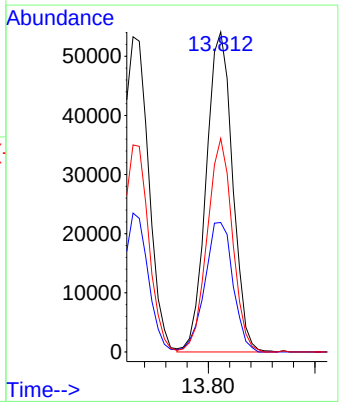


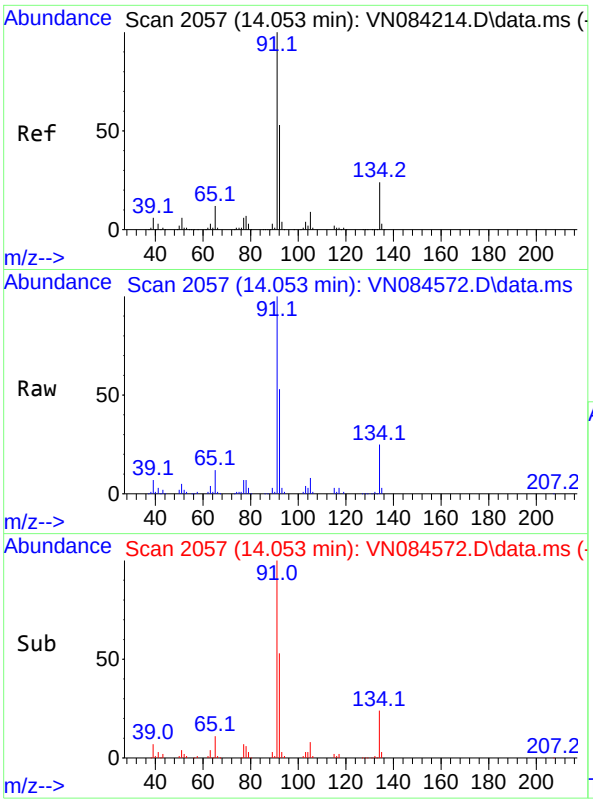


#88
1,4-Dichlorobenzene
Concen: 20.458 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:146 Resp: 92940

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.2	63.6
148	63.9	31.9	95.9



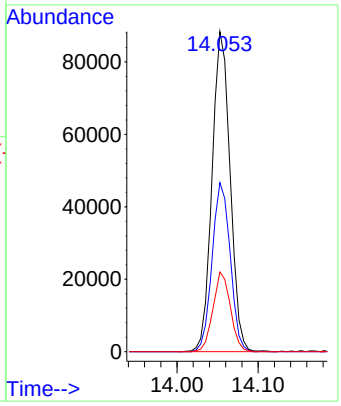


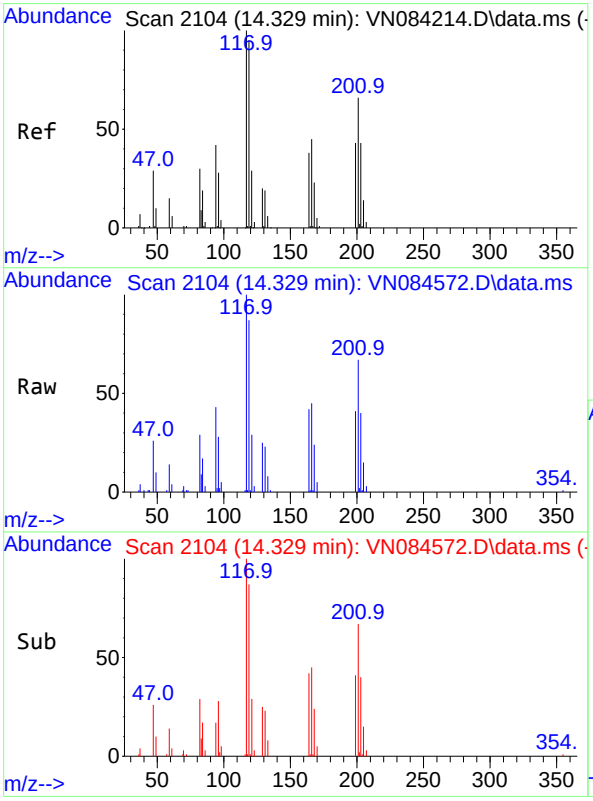
#89
n-Butylbenzene
Concen: 20.139 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 136771

Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.6	79.7
134	24.0	12.3	36.9

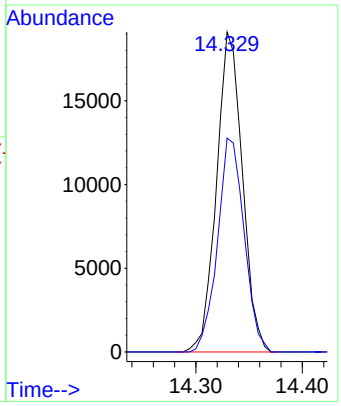


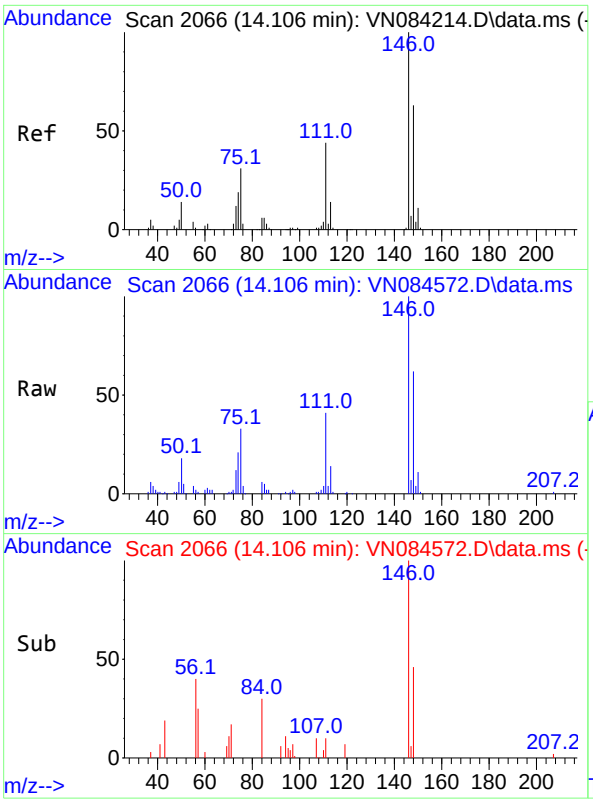


#90
Hexachloroethane
Concen: 19.887 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:117 Resp: 32199

Ion	Ratio	Lower	Upper
117	100		
201	68.7	34.4	103.2



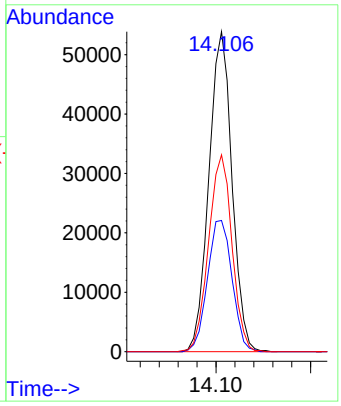


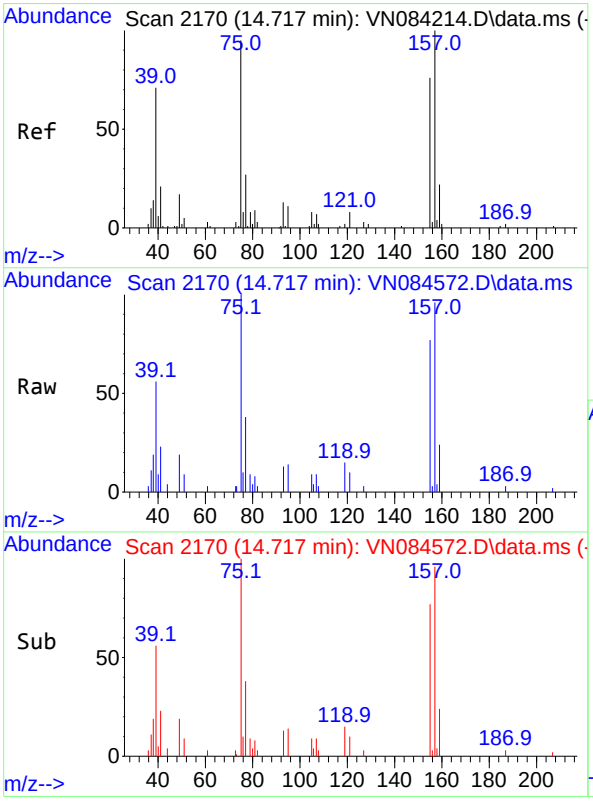
#91
1,2-Dichlorobenzene
Concen: 19.787 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 91138

Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.0	66.0
148	62.3	32.1	96.3

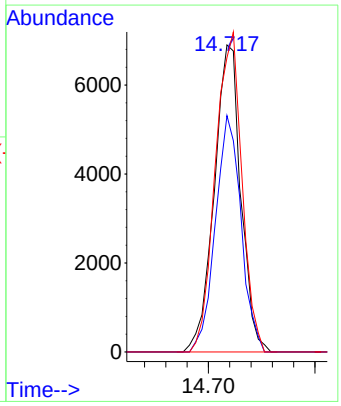


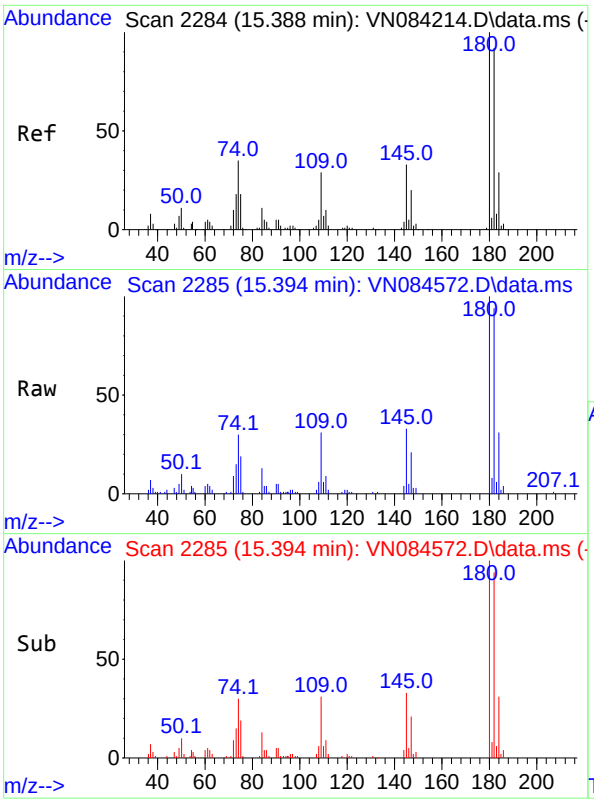


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.362 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 75 Resp: 11962

Ion	Ratio	Lower	Upper
75	100		
155	74.1	38.1	114.5
157	103.8	49.6	149.0



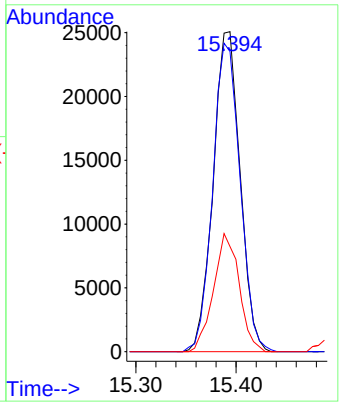


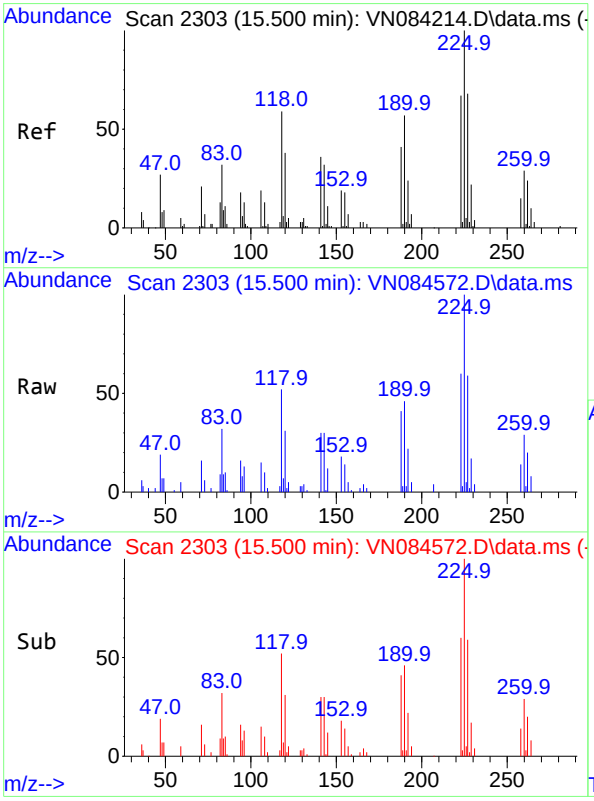
#93
1,2,4-Trichlorobenzene
Concen: 18.523 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 46698

Ion	Ratio	Lower	Upper
180	100		
182	97.9	47.0	141.0
145	35.2	16.4	49.4

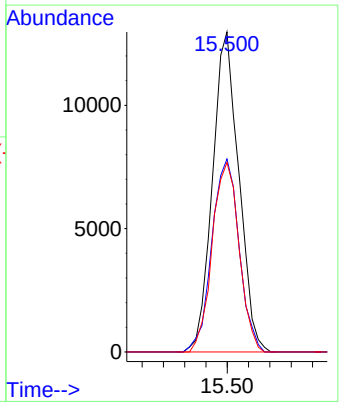


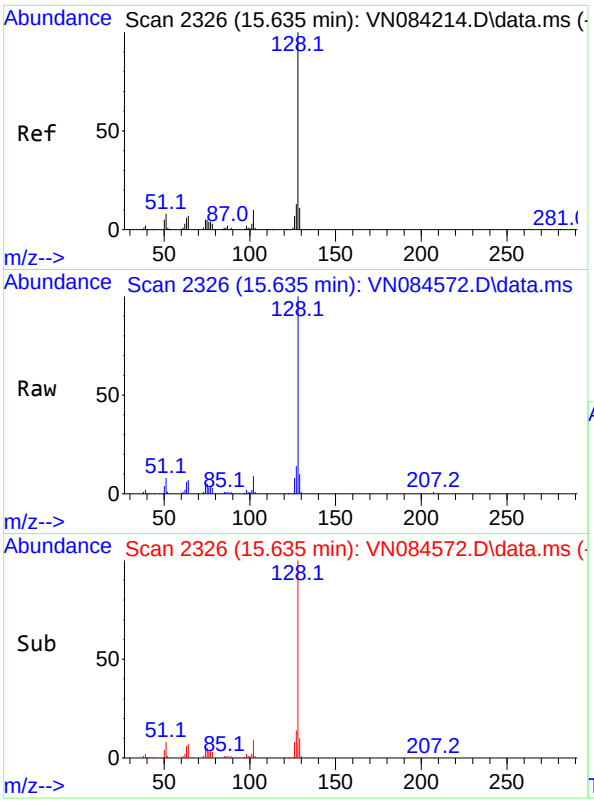


#94
Hexachlorobutadiene
Concen: 20.066 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:225 Resp: 22216

Ion	Ratio	Lower	Upper
225	100		
223	62.5	32.4	97.2
227	60.4	32.4	97.0



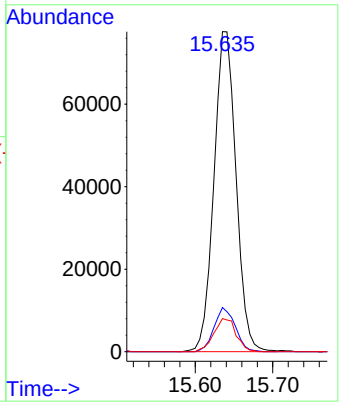


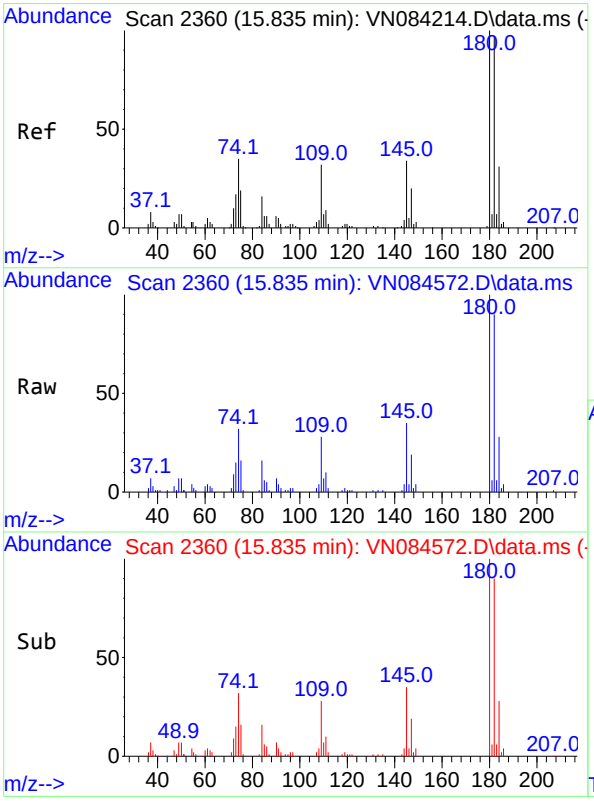
#95
Naphthalene
Concen: 20.404 ug/l
RT: 15.635 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 153972

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.5	8.7	13.1

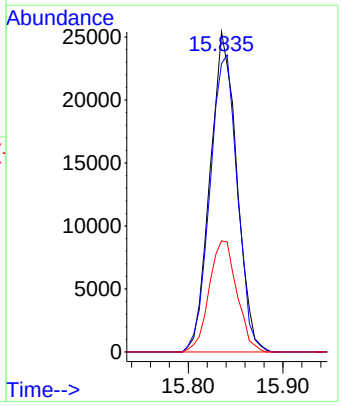




#96
1,2,3-Trichlorobenzene
Concen: 20.308 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:180 Resp: 49699

Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.2	144.6
145	36.2	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	179863	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	312244	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	270408	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127178	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.583	65	25986	10.003	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	20.000%#			
35) Dibromofluoromethane	8.159	113	20969	9.921	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	19.840%#			
50) Toluene-d8	10.565	98	76892	9.876	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	19.760%#			
62) 4-Bromofluorobenzene	12.847	95	28191	9.689	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	19.380%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	21501	10.399	ug/l		96
3) Chloromethane	2.359	50	31342	10.950	ug/l		98
4) Vinyl Chloride	2.512	62	22896	10.295	ug/l		93
5) Bromomethane	2.901	94	12071	10.245	ug/l		95
6) Chloroethane	3.059	64	15315	10.010	ug/l	#	83
7) Trichlorofluoromethane	3.459	101	36747	10.031	ug/l		99
8) Diethyl Ether	3.953	74	13090	10.129	ug/l		100
9) 1,1,2-Trichlorotrifluo...	4.353	101	21028	10.158	ug/l		98
10) Methyl Iodide	4.577	142	28795	10.408	ug/l		97
11) Tert butyl alcohol	5.542	59	17899	52.198	ug/l	#	85
12) 1,1-Dichloroethene	4.324	96	20669	10.091	ug/l		87
13) Acrolein	4.177	56	17284	50.547	ug/l		99
14) Allyl chloride	5.012	41	33287	10.021	ug/l		93
15) Acrylonitrile	5.718	53	50731	51.104	ug/l		98
16) Acetone	4.430	43	40100	51.168	ug/l		93
17) Carbon Disulfide	4.695	76	61652	9.774	ug/l		97
18) Methyl Acetate	5.030	43	37538	10.544	ug/l		100
19) Methyl tert-butyl Ether	5.789	73	64007	10.195	ug/l		97
20) Methylene Chloride	5.265	84	23684	10.366	ug/l		94
21) trans-1,2-Dichloroethene	5.771	96	21581	10.261	ug/l		84
22) Diisopropyl ether	6.671	45	68672	10.404	ug/l	#	97
23) Vinyl Acetate	6.600	43	233407	51.279	ug/l		99
24) 1,1-Dichloroethane	6.565	63	40556	10.234	ug/l	#	95
25) 2-Butanone	7.483	43	60876	50.229	ug/l		96
26) 2,2-Dichloropropane	7.483	77	35189	10.203	ug/l		100
27) cis-1,2-Dichloroethene	7.483	96	24626	10.028	ug/l		99
28) Bromochloromethane	7.806	49	14918	9.449	ug/l	#	15
29) Tetrahydrofuran	7.841	42	42072	52.326	ug/l		99
30) Chloroform	7.965	83	41496	10.288	ug/l		97
31) Cyclohexane	8.247	56	37514	10.460	ug/l		96
32) 1,1,1-Trichloroethane	8.165	97	38612	10.518	ug/l		94
36) 1,1-Dichloropropene	8.371	75	29218	9.968	ug/l		99
37) Ethyl Acetate	7.559	43	25249	9.494	ug/l		96
38) Carbon Tetrachloride	8.359	117	34214	10.443	ug/l		95
39) Methylcyclohexane	9.600	83	30390	10.191	ug/l		96
40) Benzene	8.606	78	94121	9.999	ug/l		95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	14485	10.128 ug/l	96
42) 1,2-Dichloroethane	8.671	62	30752	10.087 ug/l	99
43) Isopropyl Acetate	8.688	43	55871	10.611 ug/l	94
44) Trichloroethene	9.353	130	21099	9.719 ug/l	98
45) 1,2-Dichloropropane	9.618	63	22314	10.105 ug/l	96
46) Dibromomethane	9.706	93	15211	9.762 ug/l	99
47) Bromodichloromethane	9.883	83	32612	9.929 ug/l #	93
48) Methyl methacrylate	9.683	41	20961	10.127 ug/l	98
49) 1,4-Dioxane	9.700	88	7375	201.076 ug/l #	76
51) 4-Methyl-2-Pentanone	10.447	43	130324	51.405 ug/l	99
52) Toluene	10.630	92	56321	10.230 ug/l	100
53) t-1,3-Dichloropropene	10.835	75	33220	9.771 ug/l	95
54) cis-1,3-Dichloropropene	10.312	75	35562	9.883 ug/l	92
55) 1,1,2-Trichloroethane	11.018	97	21367	10.303 ug/l	94
56) Ethyl methacrylate	10.871	69	29804	9.936 ug/l	98
57) 1,3-Dichloropropane	11.165	76	35790	10.056 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	66790	47.583 ug/l	97
59) 2-Hexanone	11.200	43	92772	50.273 ug/l	100
60) Dibromochloromethane	11.359	129	24541	10.383 ug/l	97
61) 1,2-Dibromoethane	11.471	107	20895	9.839 ug/l	97
64) Tetrachloroethene	11.100	164	18777	10.439 ug/l	94
65) Chlorobenzene	11.888	112	60746	10.041 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	21080	10.018 ug/l	98
67) Ethyl Benzene	11.965	91	101653	10.067 ug/l	99
68) m/p-Xylenes	12.071	106	75857	19.842 ug/l	100
69) o-Xylene	12.394	106	36696	10.261 ug/l	100
70) Styrene	12.412	104	61865	9.916 ug/l	98
71) Bromoform	12.576	173	15630	9.871 ug/l #	95
73) Isopropylbenzene	12.694	105	91683	10.287 ug/l	98
74) N-amyl acetate	12.494	43	38841	10.240 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	30270	10.175 ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	39936	15.913 ug/l	58
77) Bromobenzene	12.982	156	23987	10.012 ug/l	94
78) n-propylbenzene	13.035	91	106518	10.199 ug/l	99
79) 2-Chlorotoluene	13.123	91	68678	10.064 ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	77273	10.461 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	11334	10.577 ug/l	96
82) 4-Chlorotoluene	13.218	91	71787	9.996 ug/l	99
83) tert-Butylbenzene	13.435	119	62600	10.240 ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	78207	10.258 ug/l	98
85) sec-Butylbenzene	13.612	105	89469	10.361 ug/l	99
86) p-Isopropyltoluene	13.729	119	72307	10.210 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	45832	9.802 ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	47483	10.276 ug/l	97
89) n-Butylbenzene	14.053	91	62495	9.433 ug/l	100
90) Hexachloroethane	14.335	117	16100	10.194 ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	44055	9.805 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	5744	9.531 ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	22413	9.114 ug/l	97
94) Hexachlorobutadiene	15.494	225	10263	9.503 ug/l	97
95) Naphthalene	15.641	128	68919	9.363 ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	22303	9.342 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

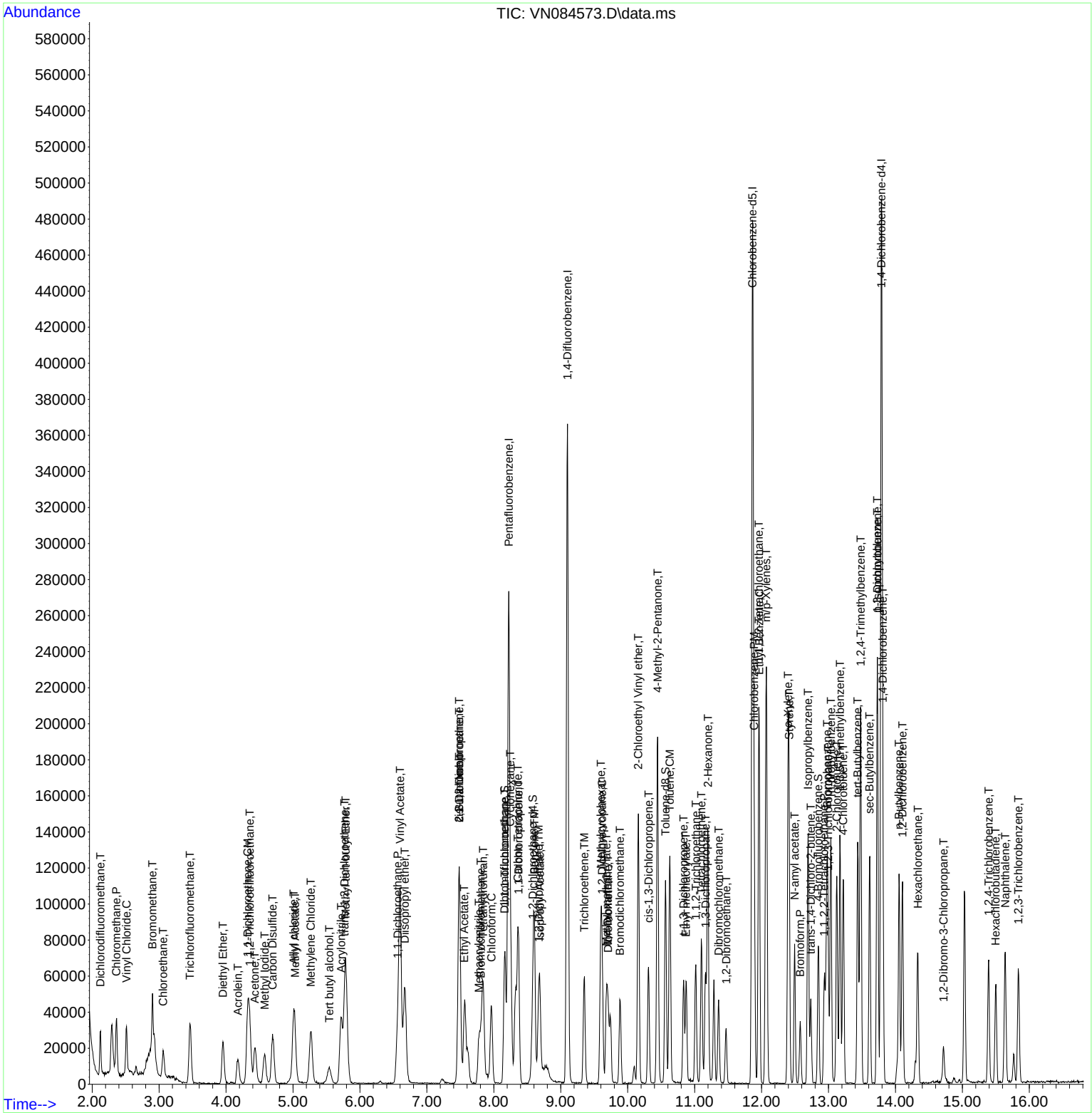
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

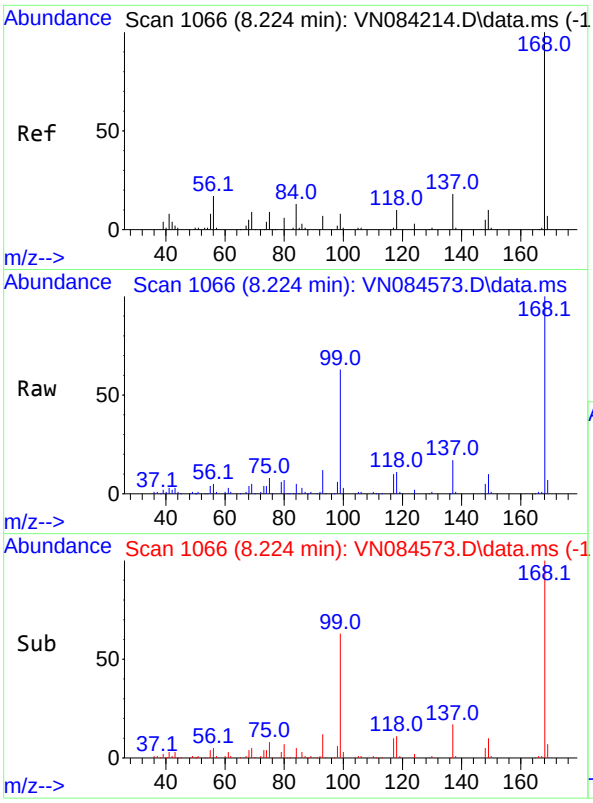
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration



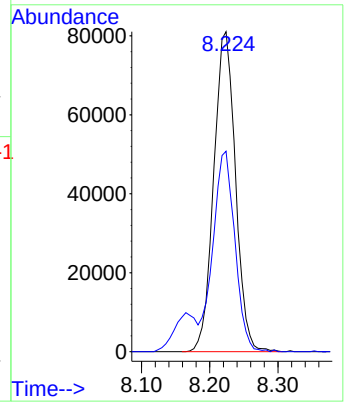


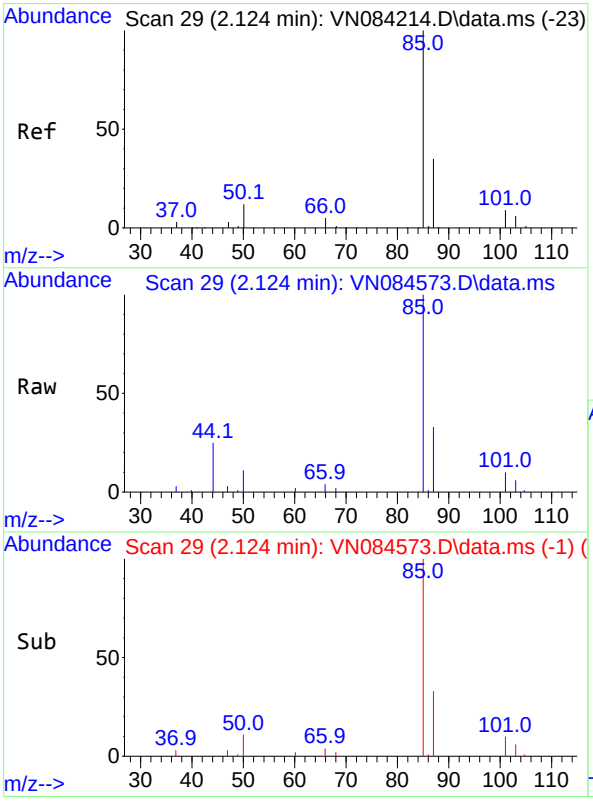
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:168 Resp: 179863

Ion	Ratio	Lower	Upper
168	100		
99	62.6	54.2	81.2

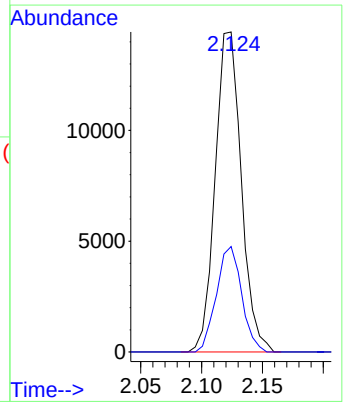


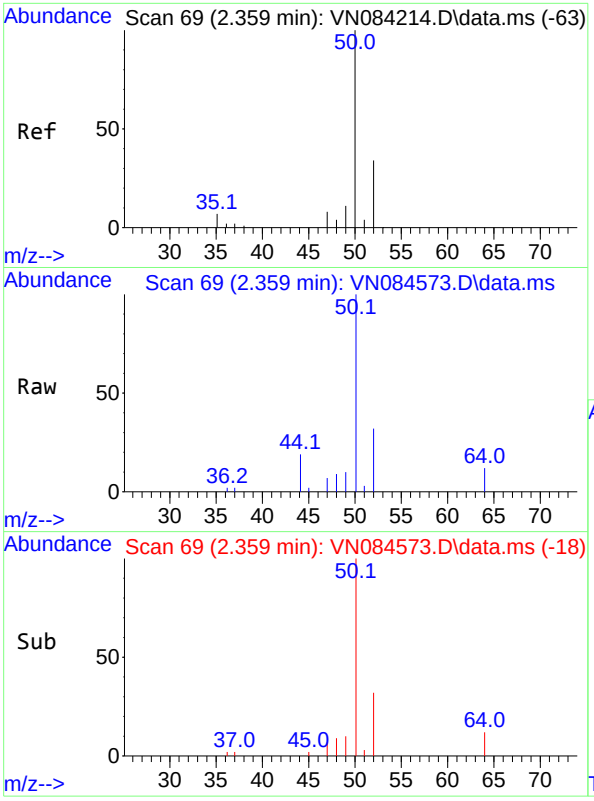


#2
Dichlorodifluoromethane
Concen: 10.399 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 85 Resp: 21501

Ion	Ratio	Lower	Upper
85	100		
87	33.0	17.6	52.9



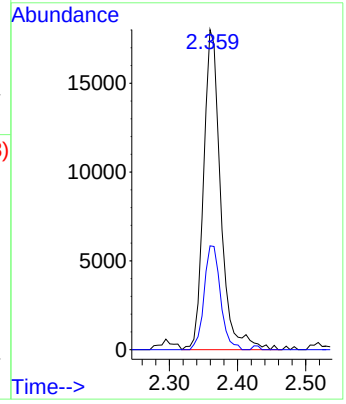


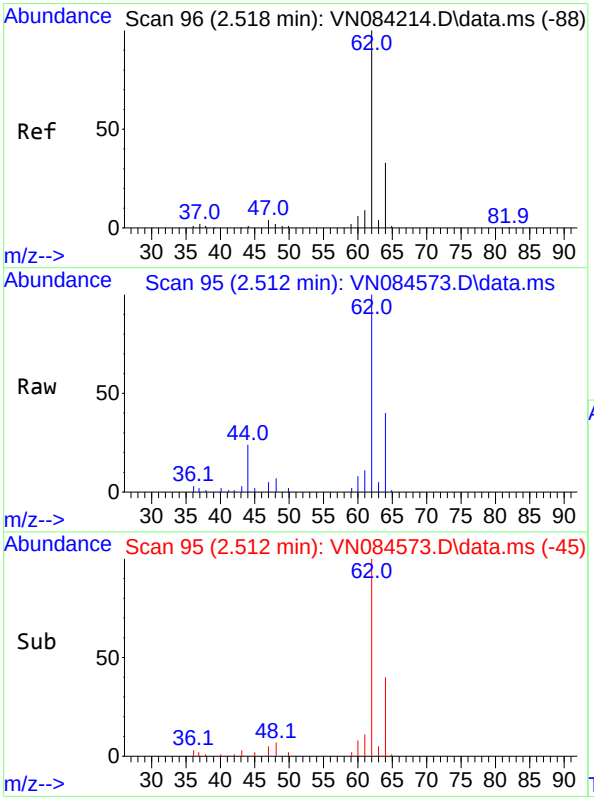
#3
Chloromethane
Concen: 10.950 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 31342

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.8	40.2

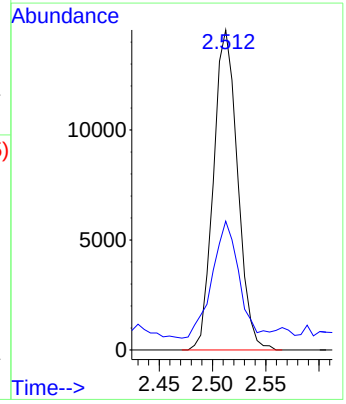


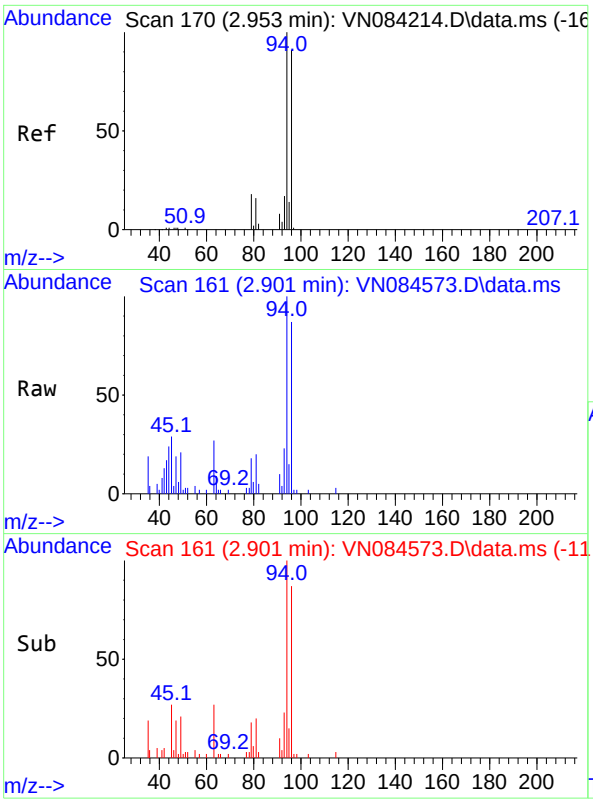


#4
Vinyl Chloride
Concen: 10.295 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 62 Resp: 22896

Ion	Ratio	Lower	Upper
62	100		
64	36.6	26.2	39.4



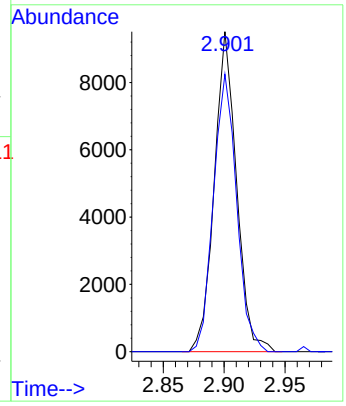


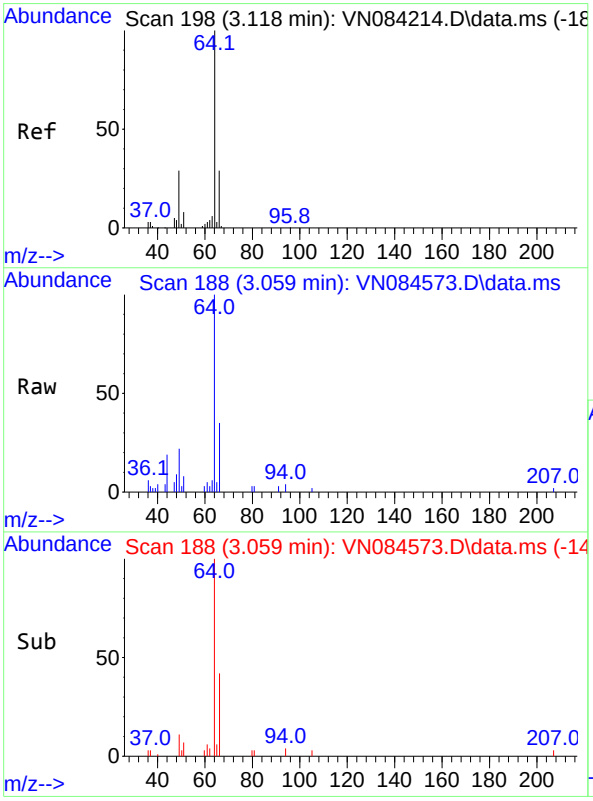
#5
Bromomethane
Concen: 10.245 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.052 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 94 Resp: 12071

Ion	Ratio	Lower	Upper
94	100		
96	86.7	72.9	109.3

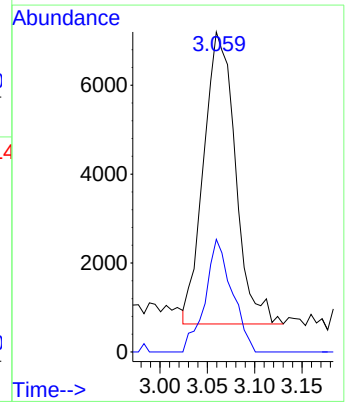


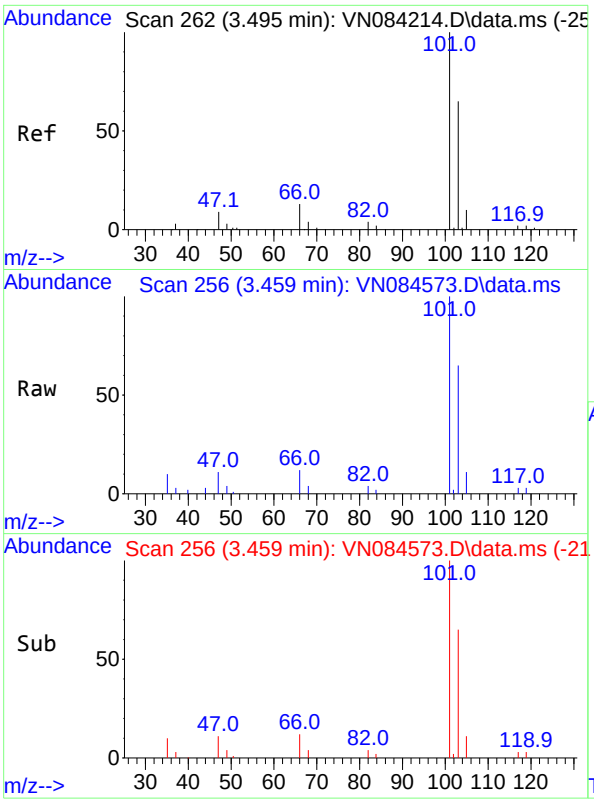


#6
Chloroethane
Concen: 10.010 ug/l
RT: 3.059 min Scan# 188
Delta R.T. -0.059 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 64 Resp: 15315

Ion	Ratio	Lower	Upper
64	100		
66	38.6	23.5	35.3#



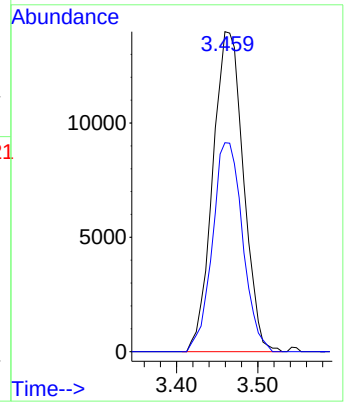


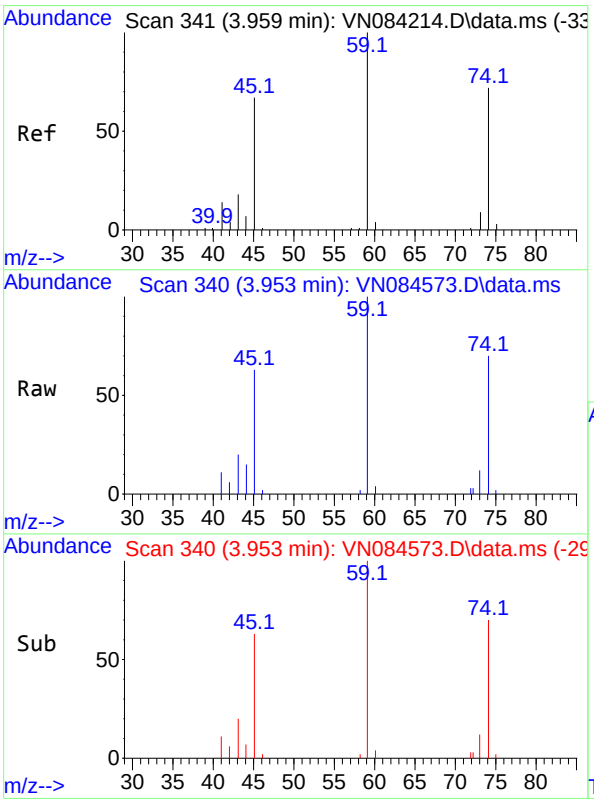
#7
Trichlorofluoromethane
Concen: 10.031 ug/l
RT: 3.459 min Scan# 2
Delta R.T. -0.036 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 36747

Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.8	77.6

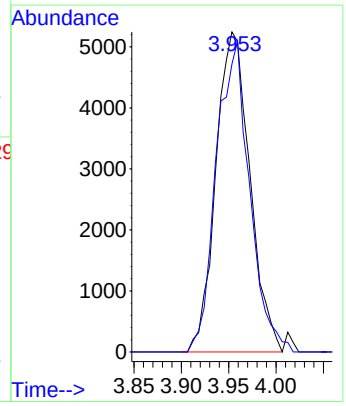


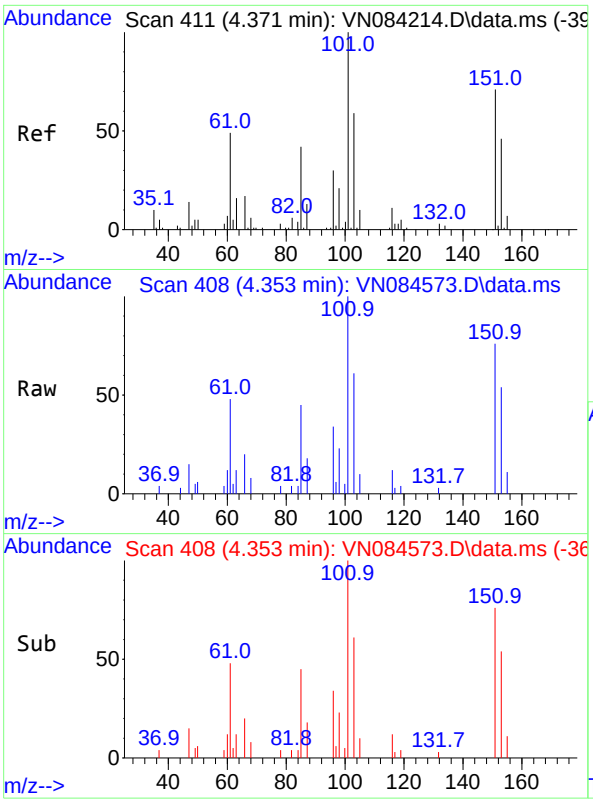


#8
Diethyl Ether
Concen: 10.129 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 74 Resp: 13090

Ion	Ratio	Lower	Upper
74	100		
45	95.3	47.7	143.1



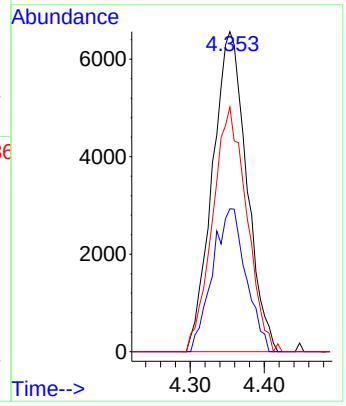


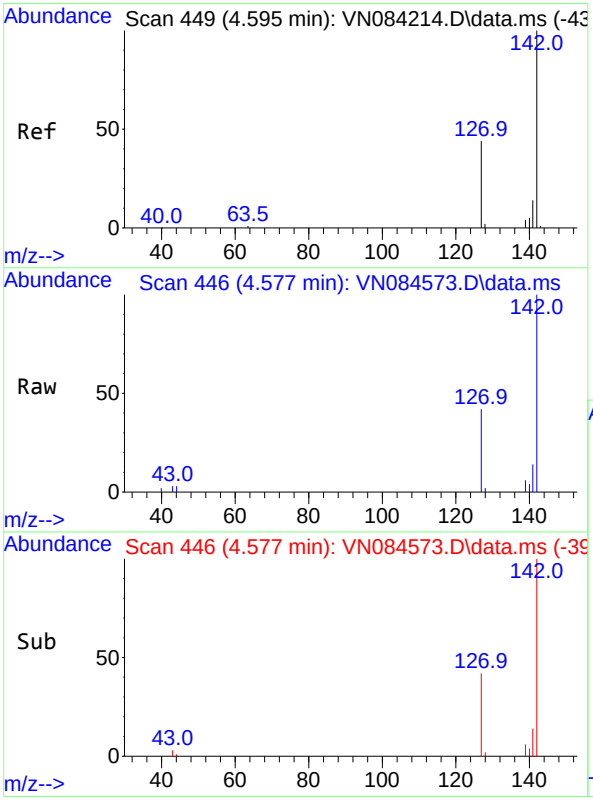
#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.158 ug/l
RT: 4.353 min Scan# 4(
Delta R.T. -0.018 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 21028

Ion	Ratio	Lower	Upper
101	100		
85	43.9	36.2	54.4
151	76.4	59.3	88.9

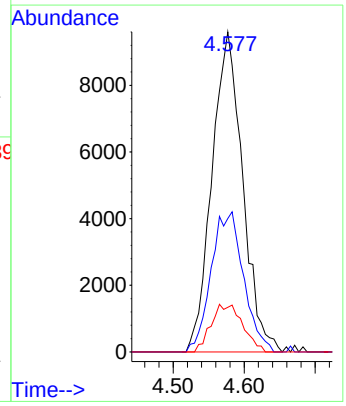


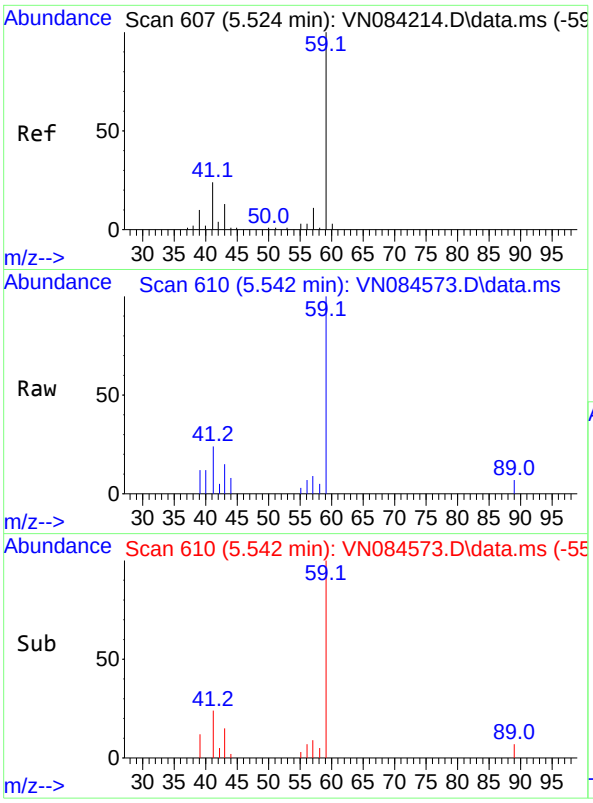


#10
Methyl Iodide
Concen: 10.408 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:142 Resp: 28795

Ion	Ratio	Lower	Upper
142	100		
127	41.7	35.3	52.9
141	13.9	11.0	16.6



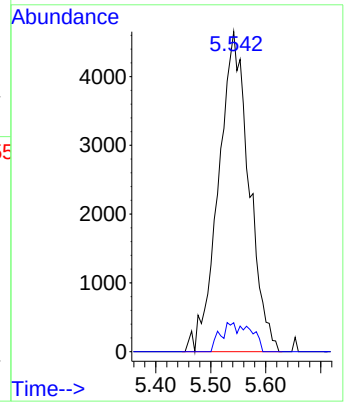


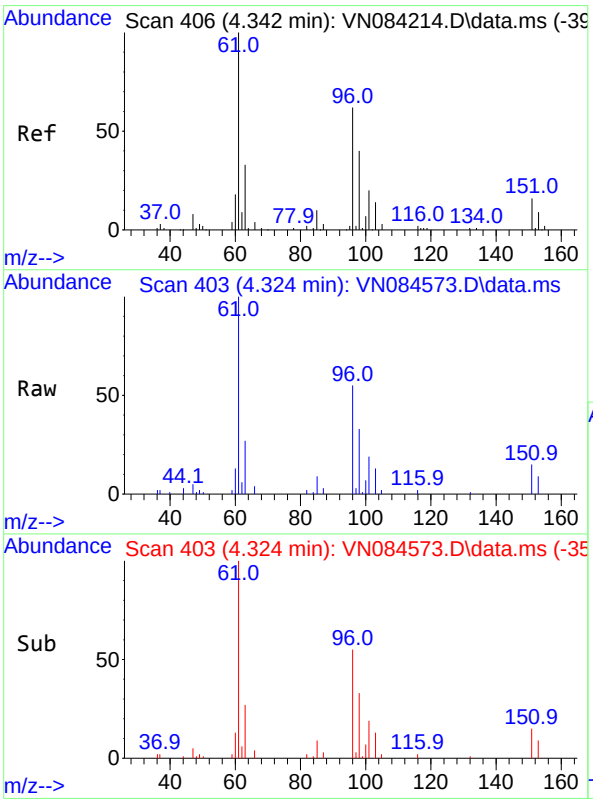
#11
Tert butyl alcohol
Concen: 52.198 ug/l
RT: 5.542 min Scan# 61
Delta R.T. 0.018 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 59 Resp: 17899

Ion	Ratio	Lower	Upper
59	100		
57	4.7	8.2	12.2#

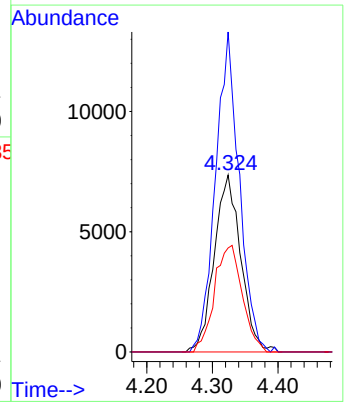


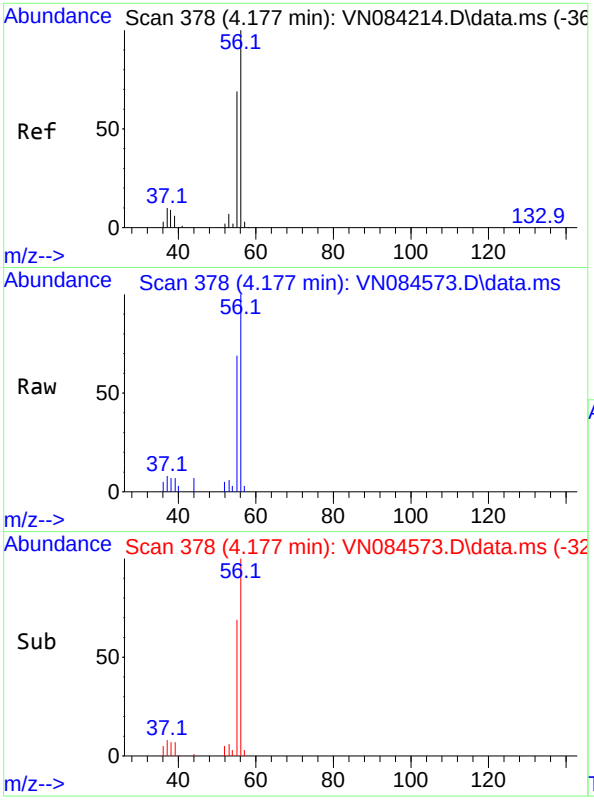


#12
1,1-Dichloroethene
Concen: 10.091 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 96 Resp: 20669

Ion	Ratio	Lower	Upper
96	100		
61	180.8	128.6	192.8
98	58.8	51.7	77.5



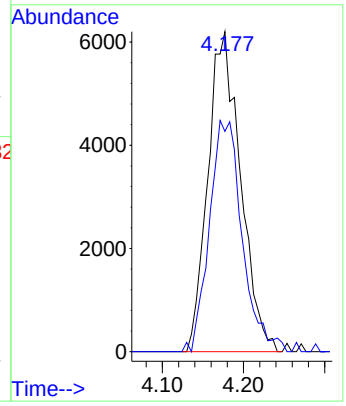


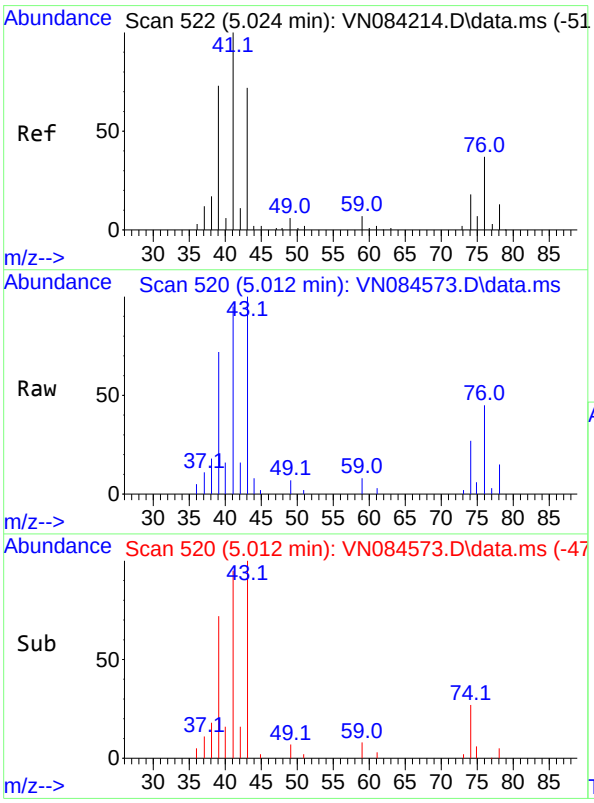
#13
Acrolein
Concen: 50.547 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 17284

Ion	Ratio	Lower	Upper
56	100		
55	72.7	57.2	85.8

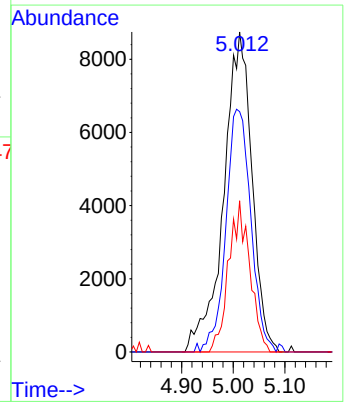


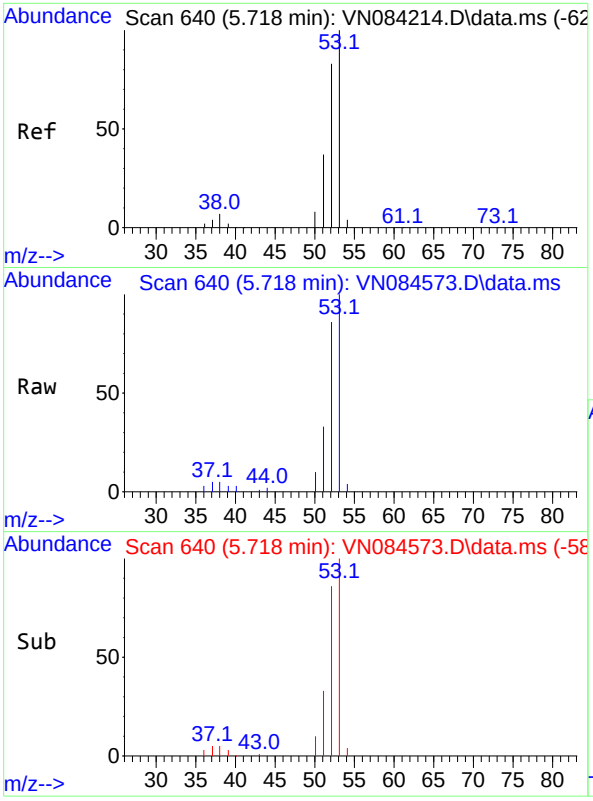


#14
Allyl chloride
Concen: 10.021 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 41 Resp: 33287

Ion	Ratio	Lower	Upper
41	100		
39	66.7	59.0	88.6
76	35.1	29.8	44.6



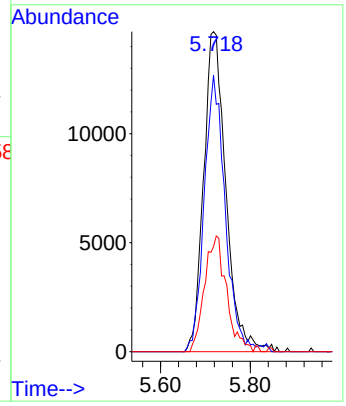


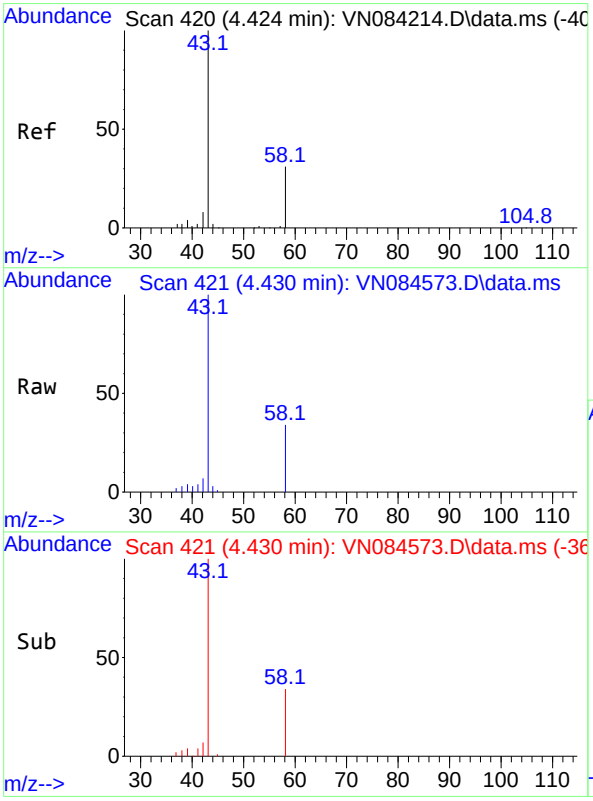
#15
Acrylonitrile
Concen: 51.104 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 53 Resp: 50731

Ion	Ratio	Lower	Upper
53	100		
52	80.9	66.2	99.4
51	35.5	28.8	43.2

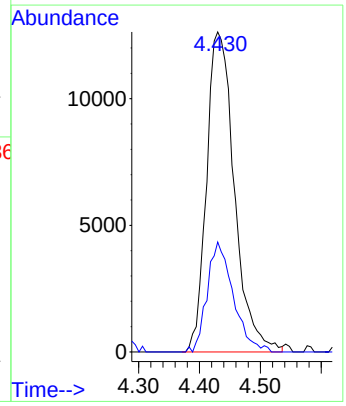


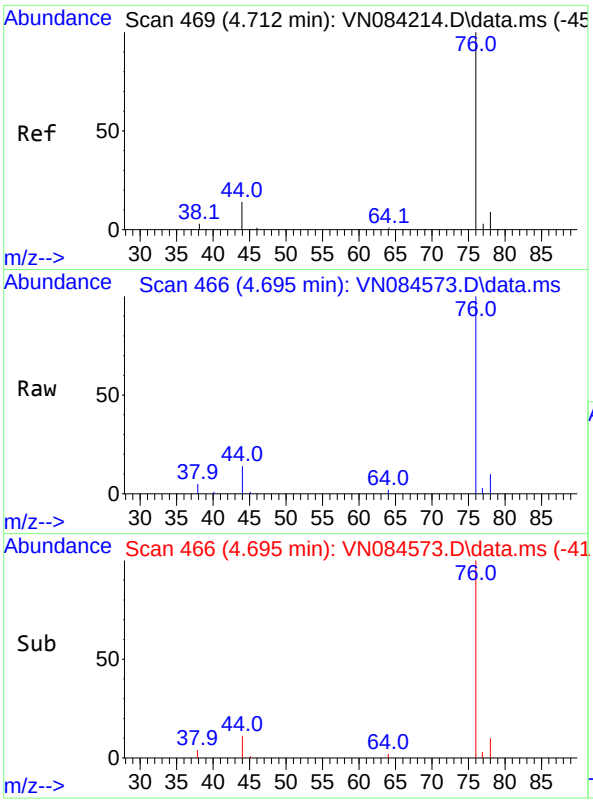


#16
Acetone
Concen: 51.168 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 43 Resp: 40100

Ion	Ratio	Lower	Upper
43	100		
58	34.3	24.4	36.6



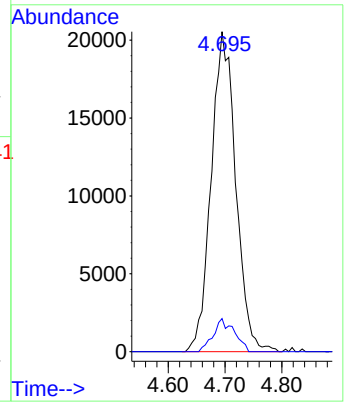


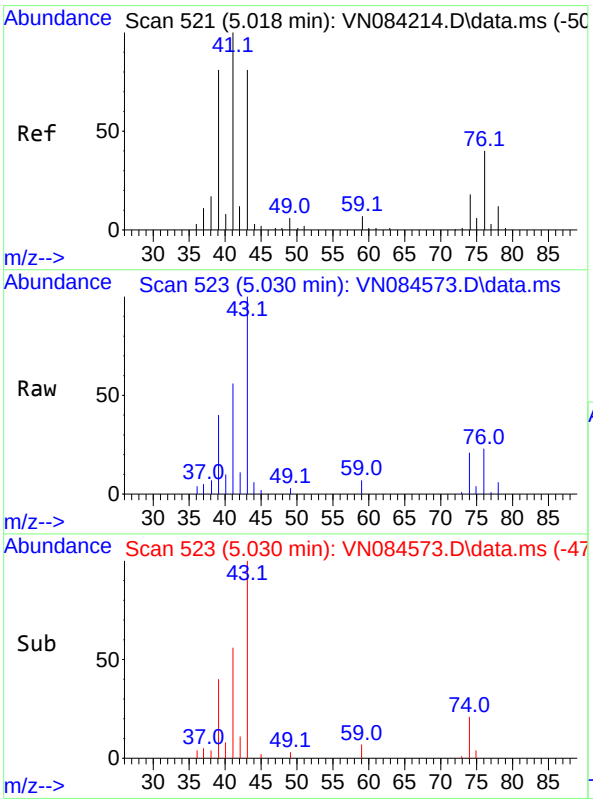
#17
Carbon Disulfide
Concen: 9.774 ug/l
RT: 4.695 min Scan# 4
Delta R.T. -0.017 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 61652

Ion	Ratio	Lower	Upper
76	100		
78	10.3	7.3	10.9

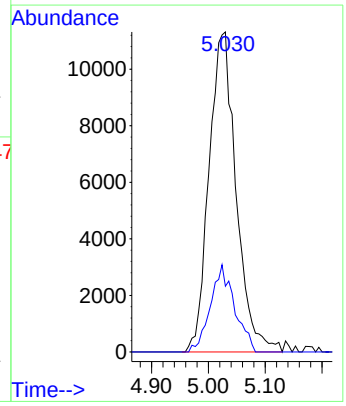


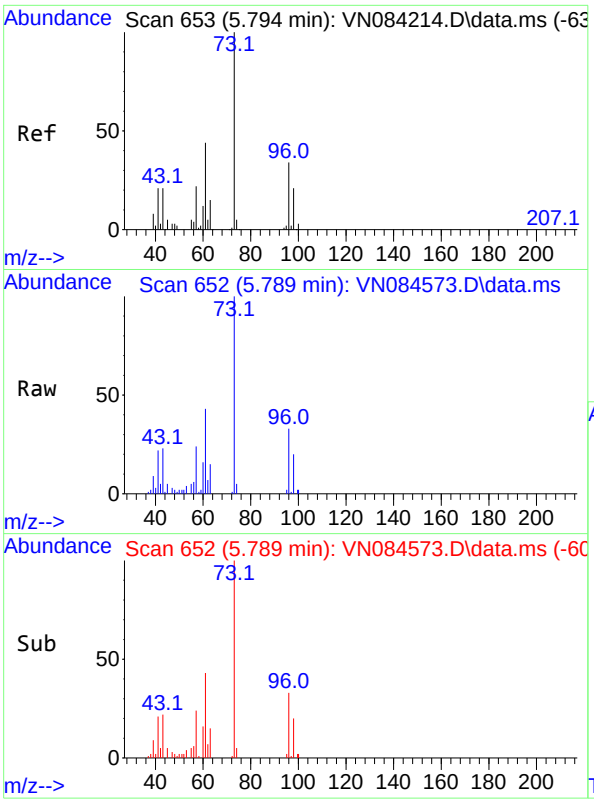


#18
Methyl Acetate
Concen: 10.544 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 43 Resp: 37538

Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.2	28.8



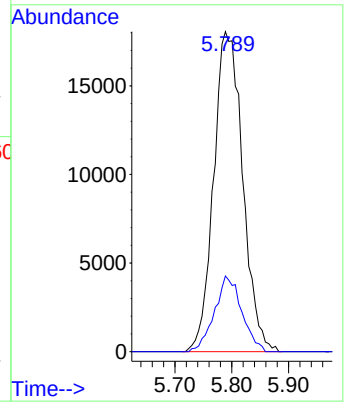


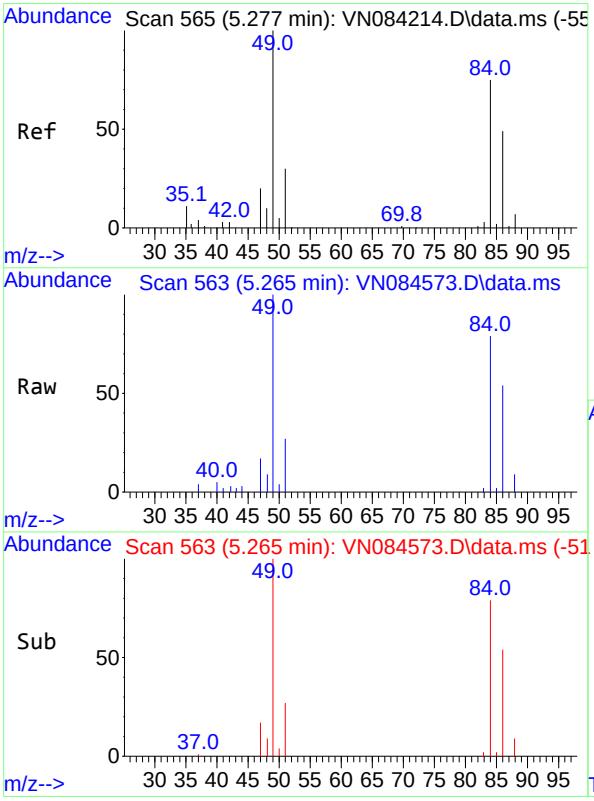
#19
Methyl tert-butyl Ether
Concen: 10.195 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 73 Resp: 64007

Ion	Ratio	Lower	Upper
73	100		
57	23.7	17.7	26.5

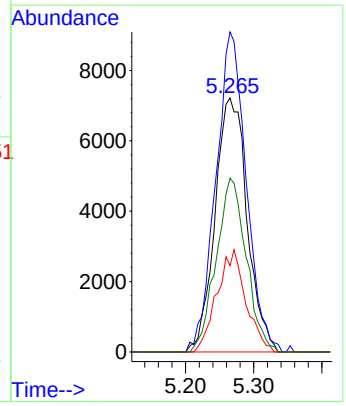


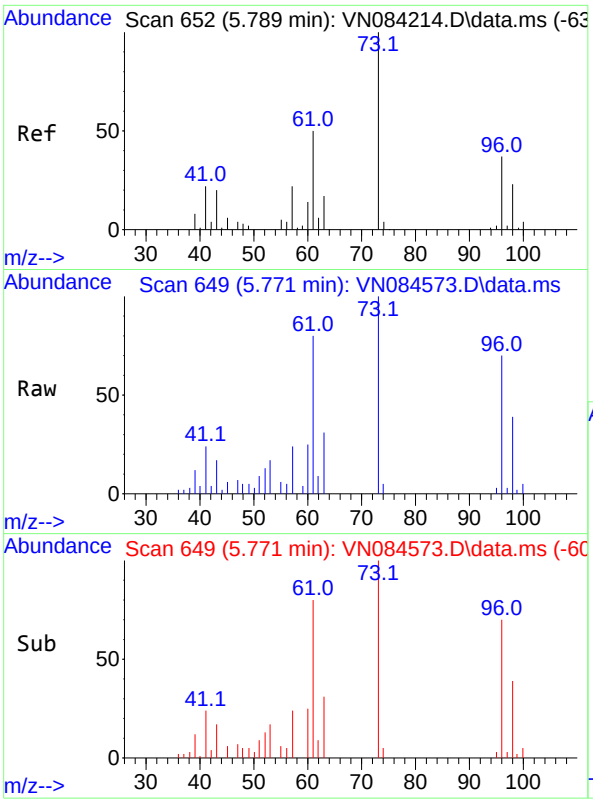


#20
Methylene Chloride
Concen: 10.366 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 84 Resp: 23684

Ion	Ratio	Lower	Upper
84	100		
49	126.0	107.2	160.8
51	34.0	31.8	47.8
86	68.4	52.9	79.3



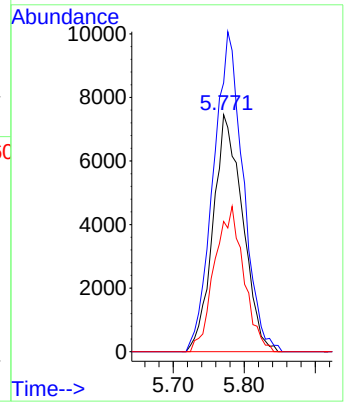


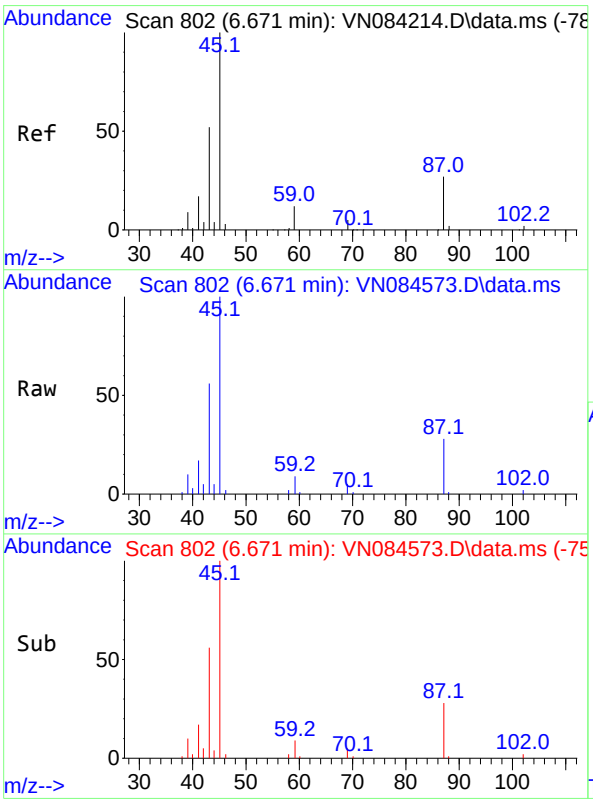
#21
trans-1,2-Dichloroethene
Concen: 10.261 ug/l
RT: 5.771 min Scan# 64
Delta R.T. -0.018 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 21581

Ion	Ratio	Lower	Upper
96	100		
61	113.5	108.4	162.6
98	55.0	49.8	74.8

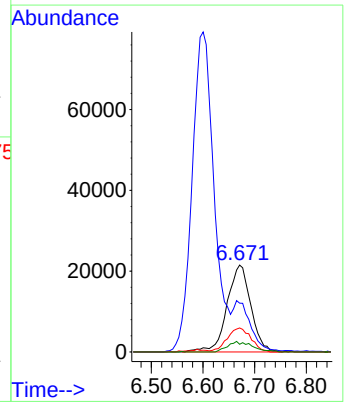


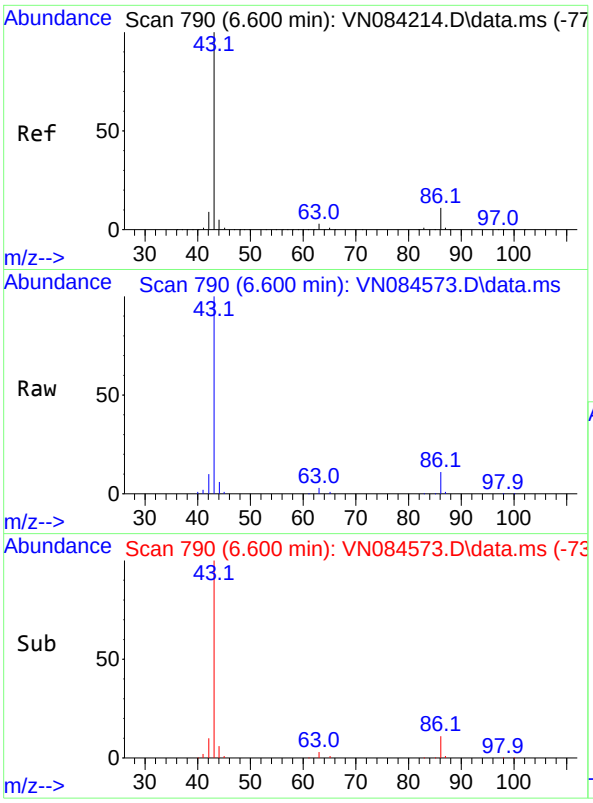


#22
Diisopropyl ether
Concen: 10.404 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 45 Resp: 68672

Ion	Ratio	Lower	Upper
45	100		
43	54.8	42.3	63.5
87	27.7	21.8	32.6
59	8.9	9.6	14.4#



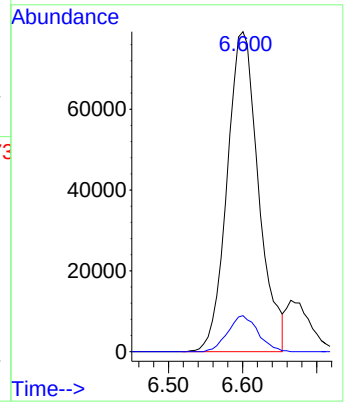


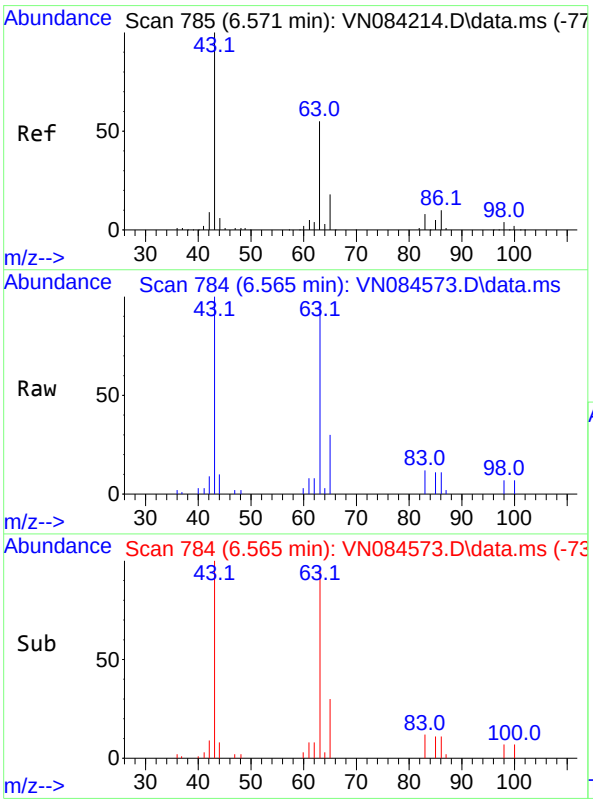
#23
Vinyl Acetate
Concen: 51.279 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 233407

Ion	Ratio	Lower	Upper
43	100		
86	11.2	8.6	12.8

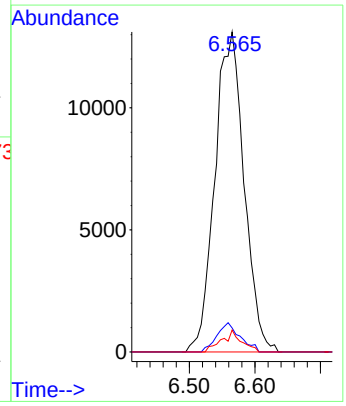


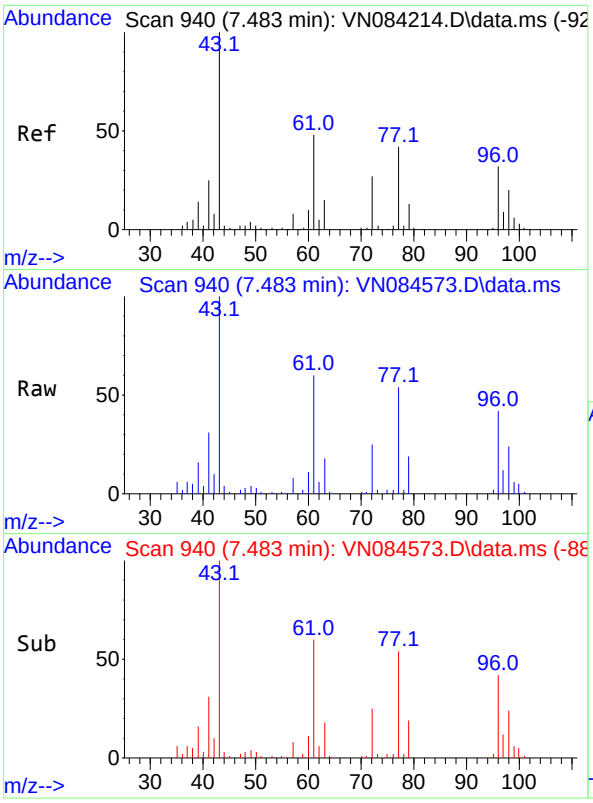


#24
1,1-Dichloroethane
Concen: 10.234 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 63 Resp: 40556

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.4	10.2
100	6.8	2.0	5.8#



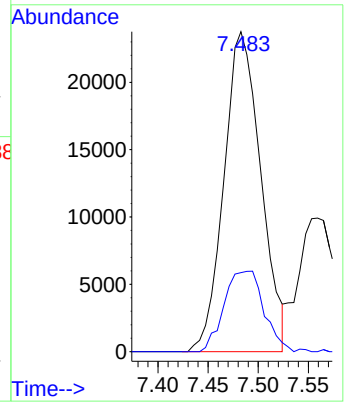


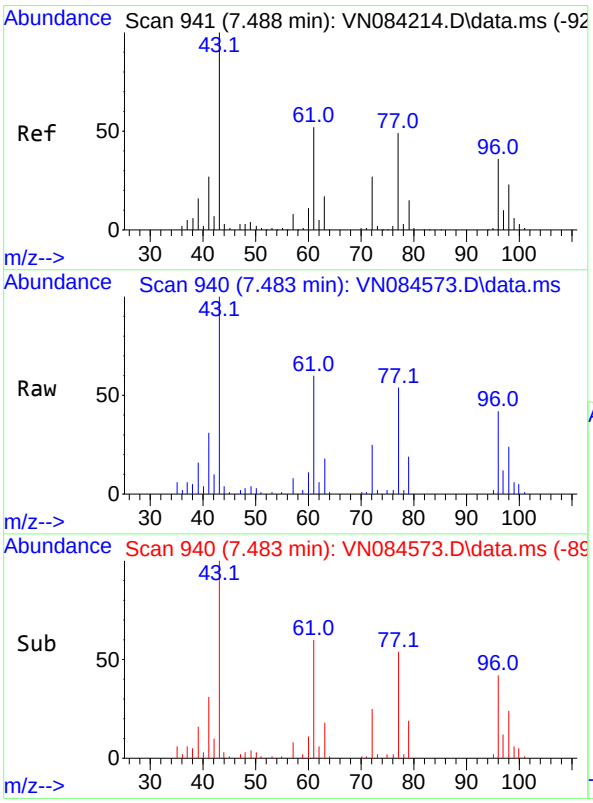
#25
2-Butanone
Concen: 50.229 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 60876

Ion	Ratio	Lower	Upper
43	100		
72	24.7	21.4	32.2

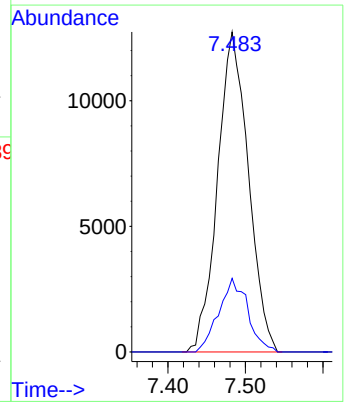


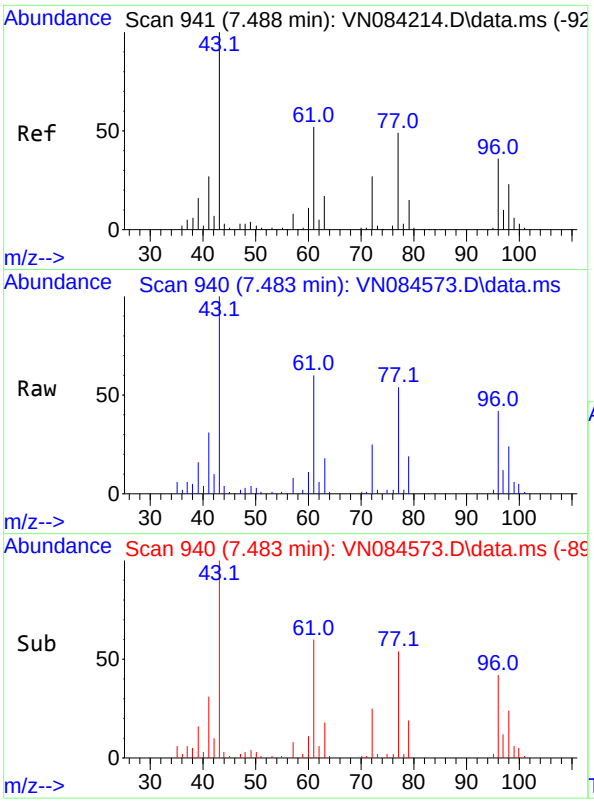


#26
2,2-Dichloropropane
Concen: 10.203 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 77 Resp: 35189

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.8	32.3



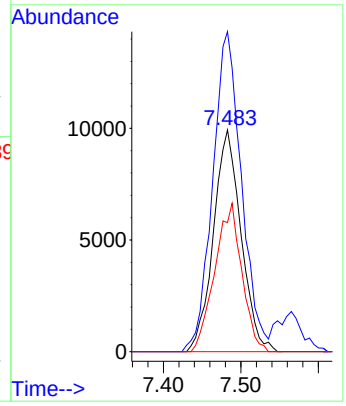


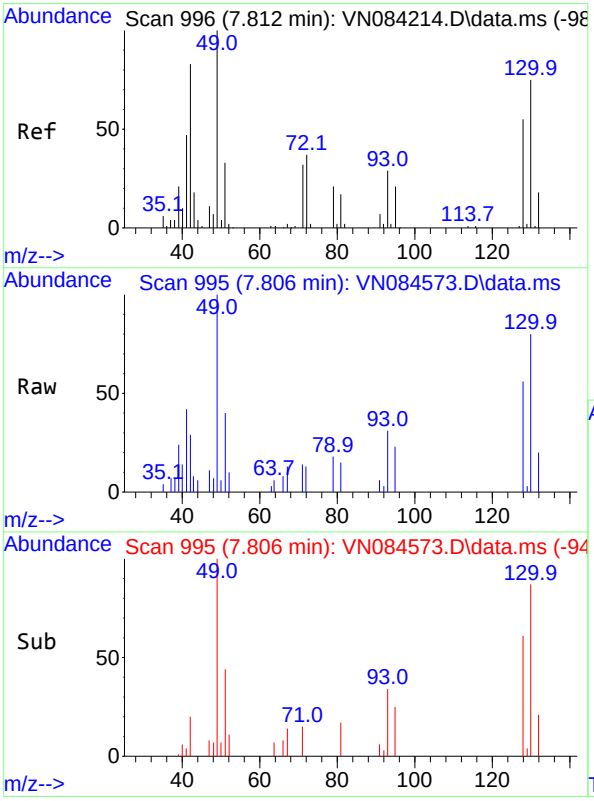
#27
cis-1,2-Dichloroethene
Concen: 10.028 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 24626

Ion	Ratio	Lower	Upper
96	100		
61	150.1	0.0	301.8
98	65.2	0.0	128.2

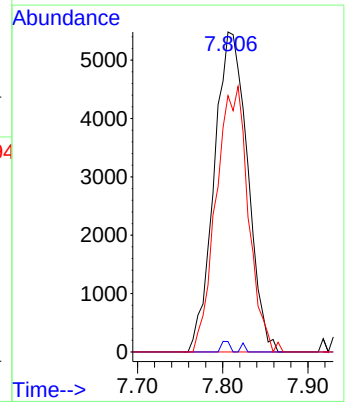


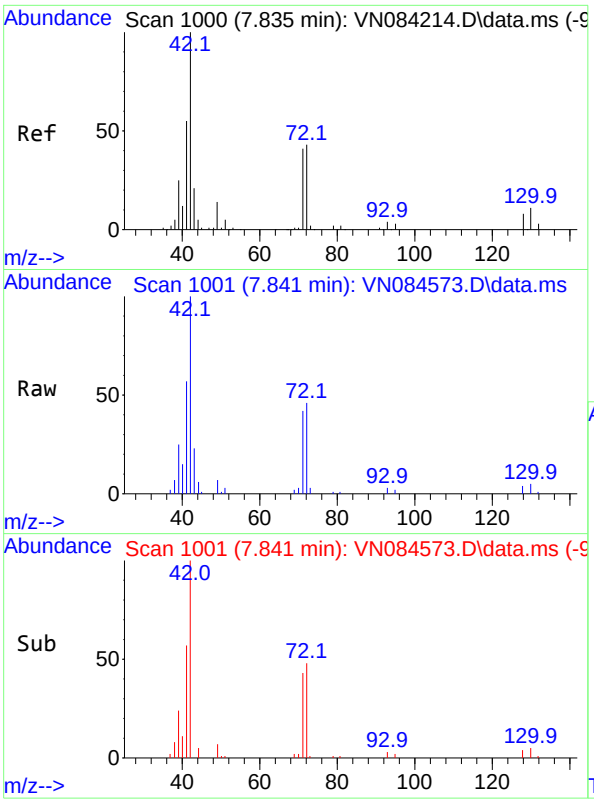


#28
Bromochloromethane
Concen: 9.449 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 49 Resp: 14918

Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.6
130	0.0	58.0	87.0#



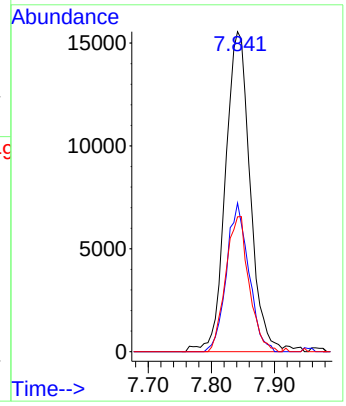


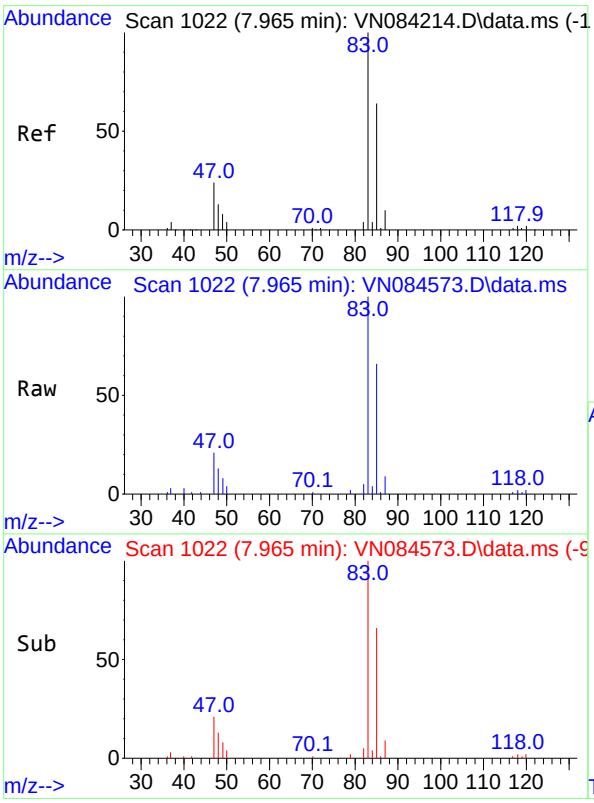
#29
Tetrahydrofuran
Concen: 52.326 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 42 Resp: 42072

Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.6	51.8
71	40.1	32.2	48.4

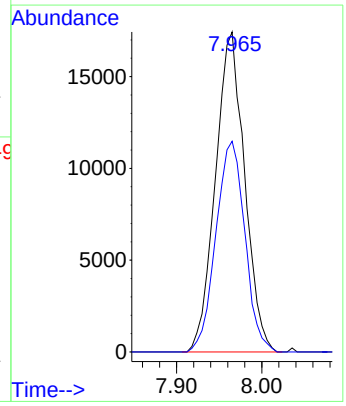


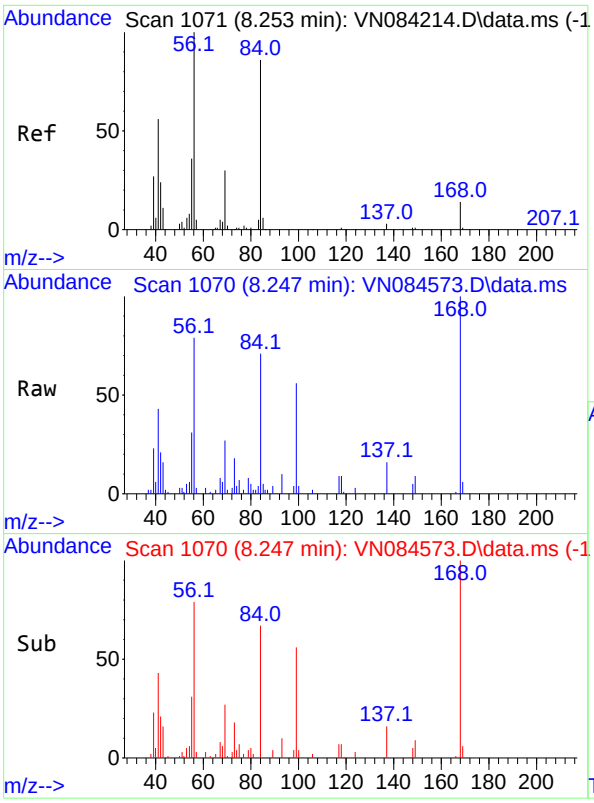


#30
Chloroform
Concen: 10.288 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 83 Resp: 41496

Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.0	76.4



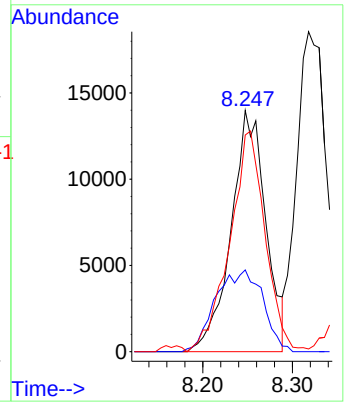


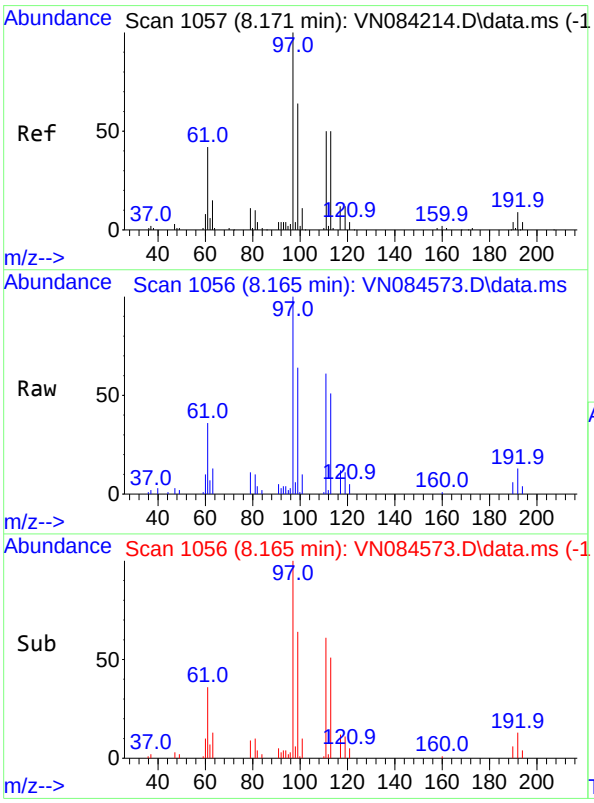
#31
Cyclohexane
Concen: 10.460 ug/l
RT: 8.247 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 37514

Ion	Ratio	Lower	Upper
56	100		
69	33.9	23.8	35.6
84	88.1	68.8	103.2

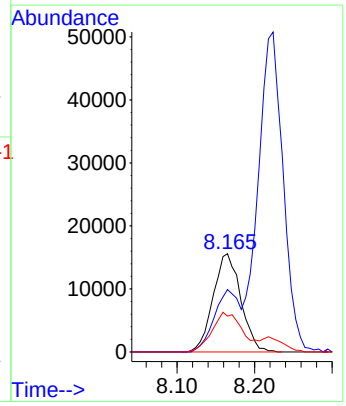


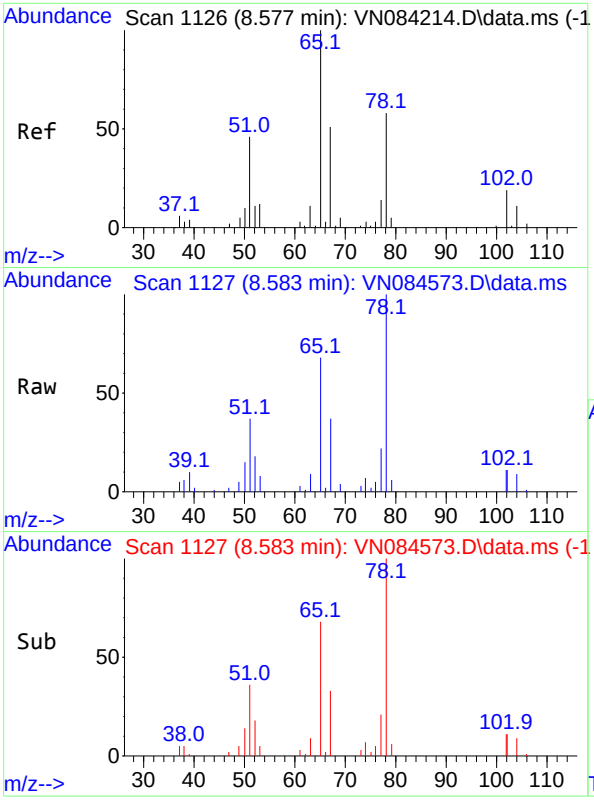


#32
1,1,1-Trichloroethane
Concen: 10.518 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 97 Resp: 38612

Ion	Ratio	Lower	Upper
97	100		
99	57.5	51.2	76.8
61	45.3	37.5	56.3



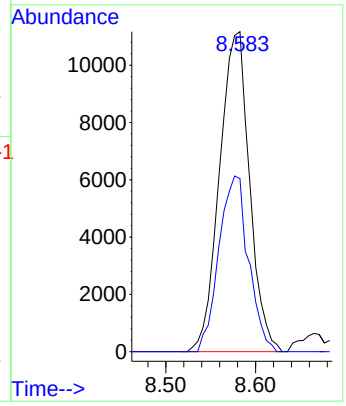


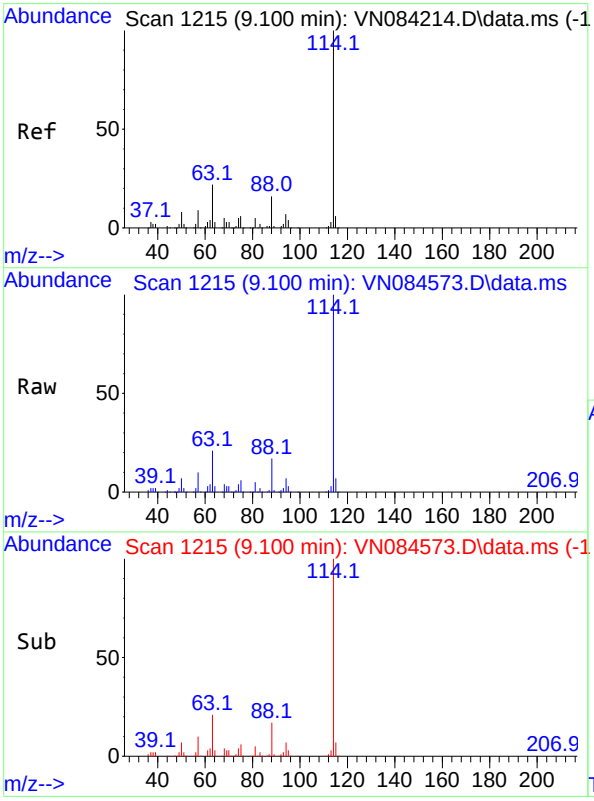
#33
1,2-Dichloroethane-d4
Concen: 10.003 ug/l
RT: 8.583 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 65 Resp: 25986

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	102.0

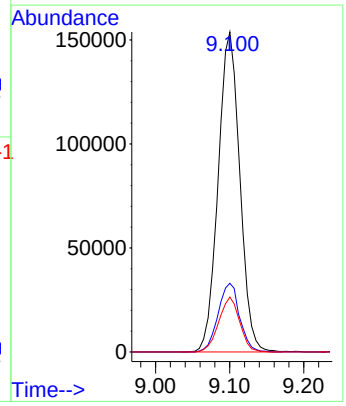


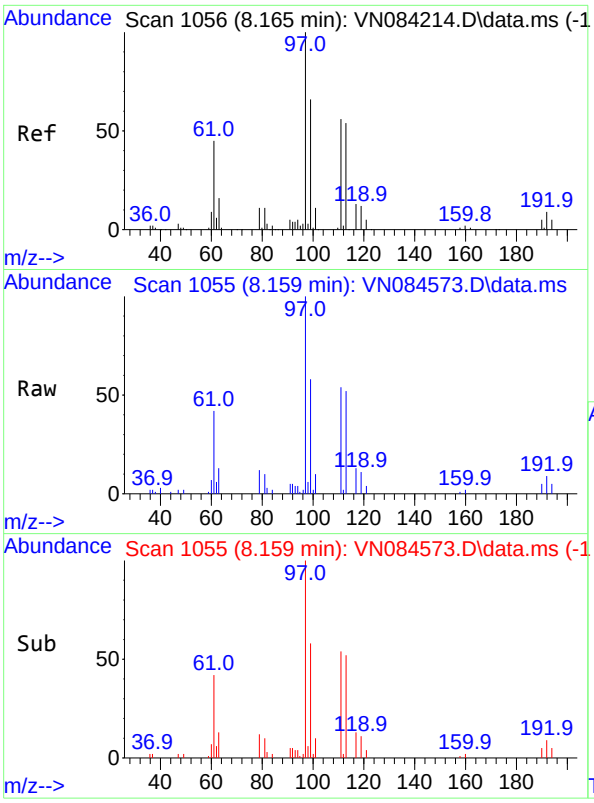


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:114 Resp: 312244

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.8
88	17.2	0.0	31.6



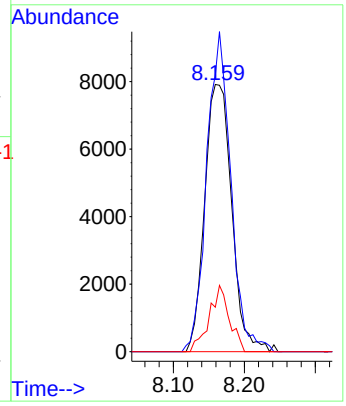


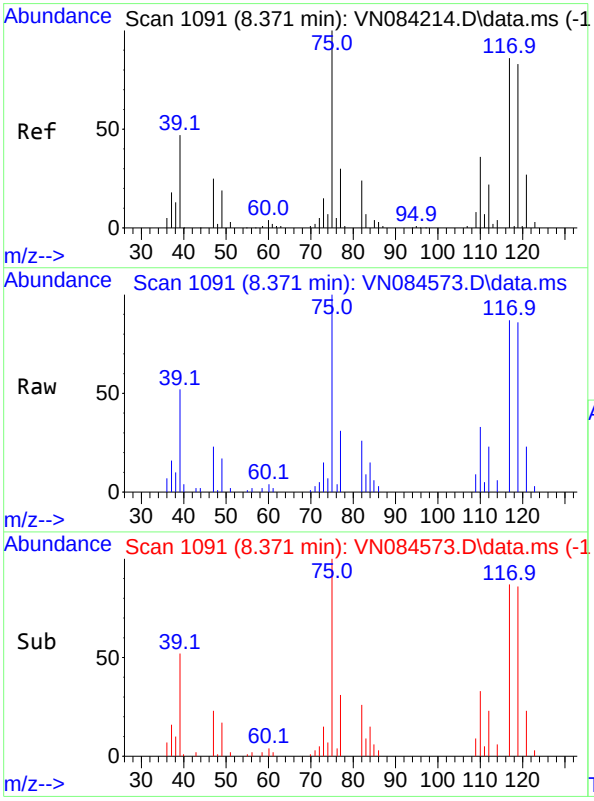
#35
Dibromofluoromethane
Concen: 9.921 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:113 Resp: 20969

Ion	Ratio	Lower	Upper
113	100		
111	106.8	83.3	124.9
192	18.4	13.5	20.3

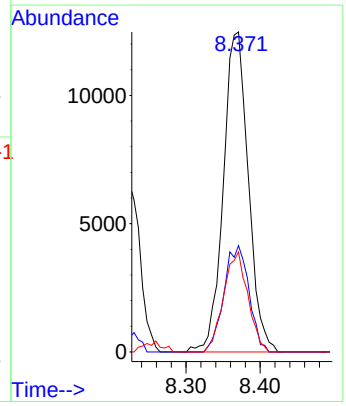


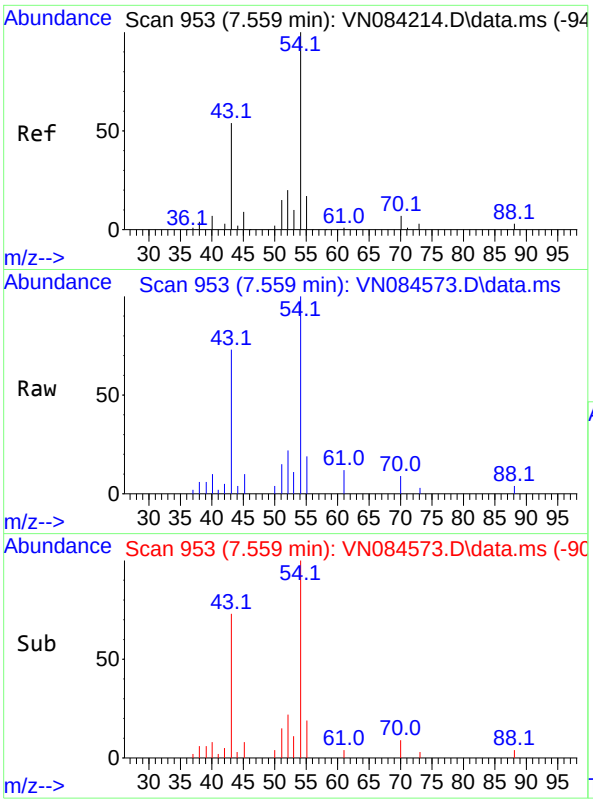


#36
1,1-Dichloropropene
Concen: 9.968 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 75 Resp: 29218

Ion	Ratio	Lower	Upper
75	100		
110	33.3	16.9	50.7
77	30.3	24.7	37.1



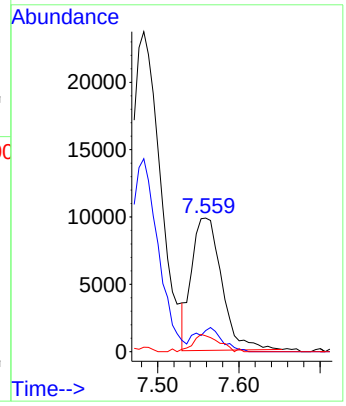


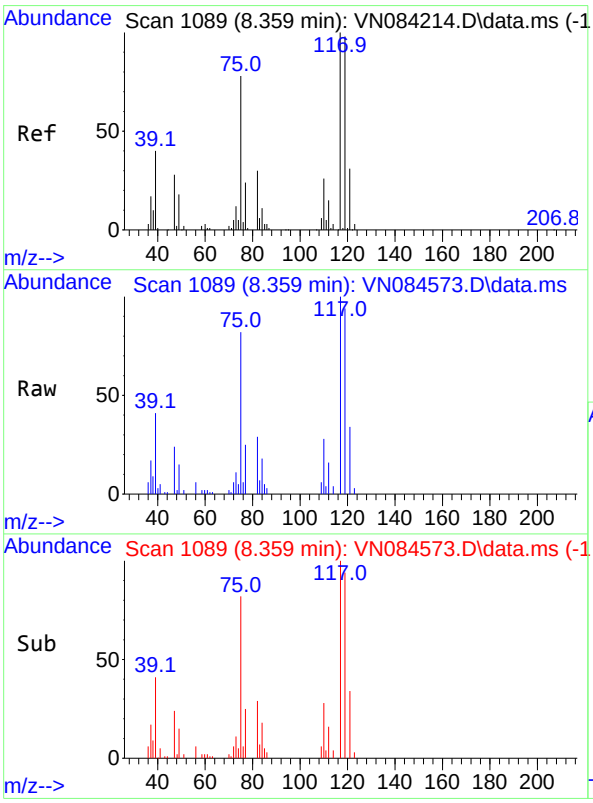
#37
Ethyl Acetate
Concen: 9.494 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 25249

Ion	Ratio	Lower	Upper
43	100		
61	16.0	10.7	16.1
70	11.6	8.8	13.2

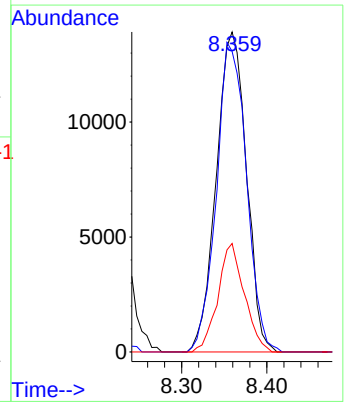


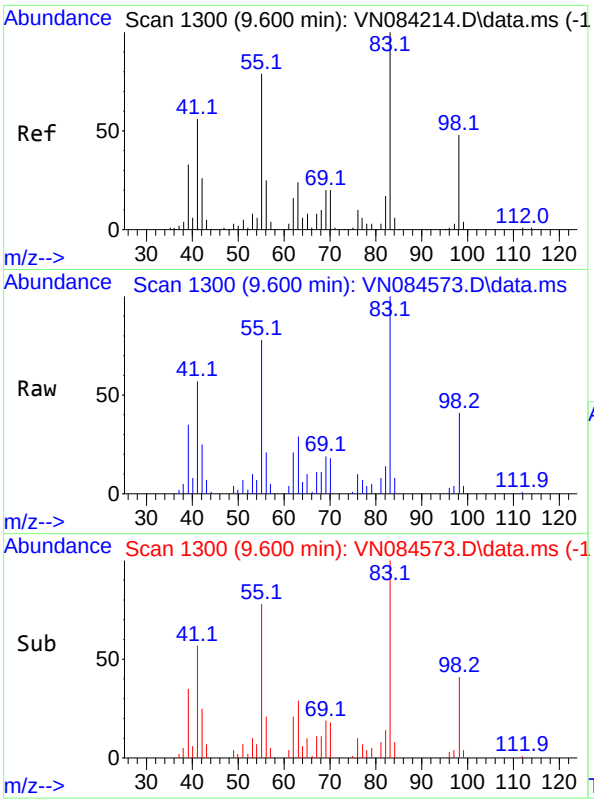


#38
Carbon Tetrachloride
Concen: 10.443 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:117 Resp: 34214

Ion	Ratio	Lower	Upper
117	100		
119	93.9	78.7	118.1
121	33.9	24.4	36.6



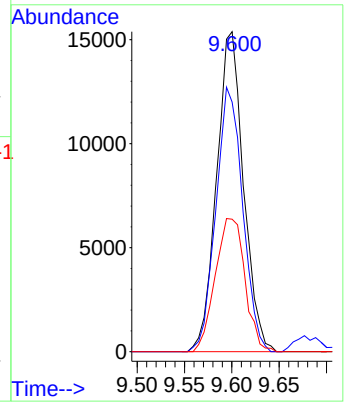


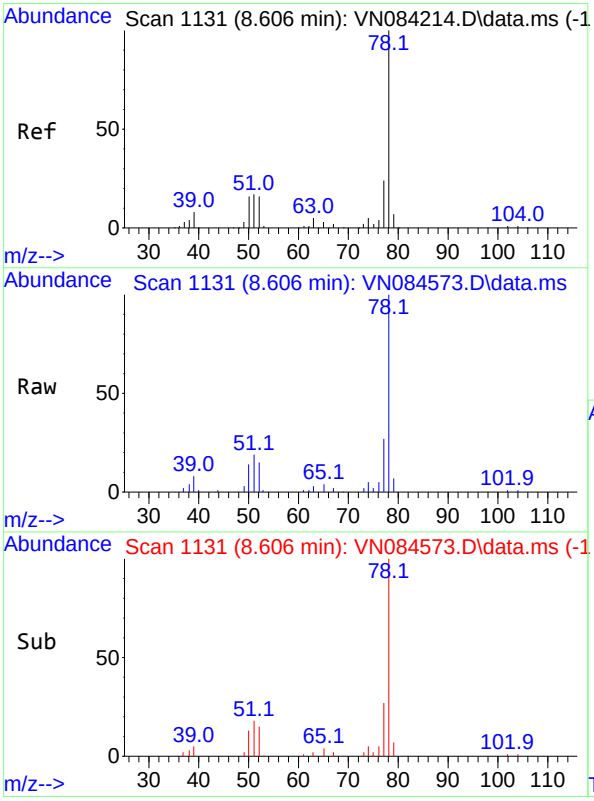
#39
Methylcyclohexane
Concen: 10.191 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 30390

Ion	Ratio	Lower	Upper
83	100		
55	78.0	62.8	94.2
98	41.4	38.8	58.2

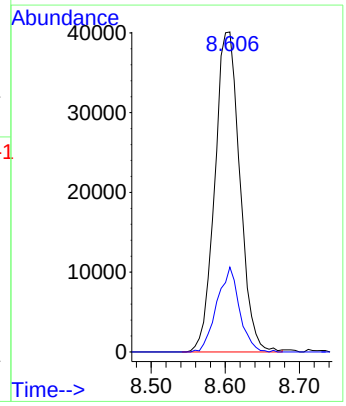


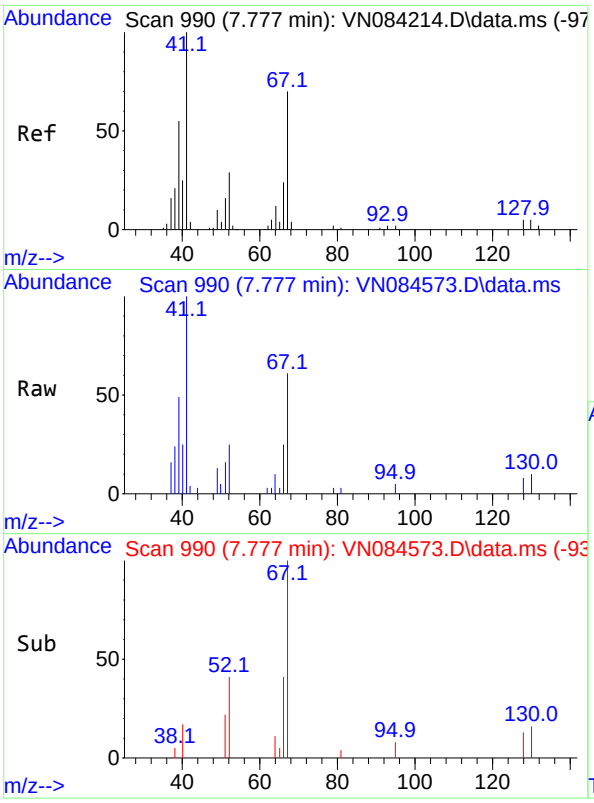


#40
Benzene
Concen: 9.999 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 78 Resp: 94121

Ion	Ratio	Lower	Upper
78	100		
77	26.5	19.1	28.7



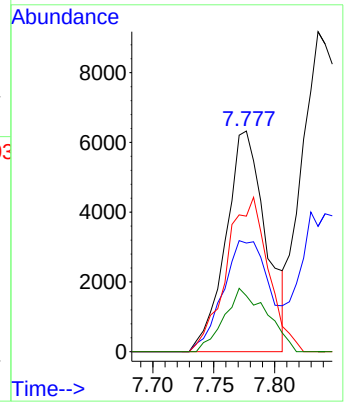


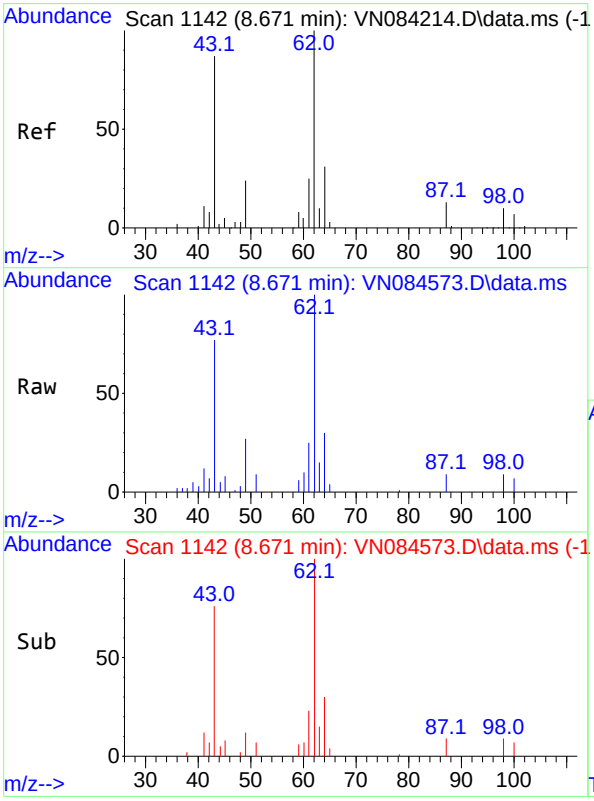
#41
Methacrylonitrile
Concen: 10.128 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 41 Resp: 14485

Ion	Ratio	Lower	Upper
41	100		
39	58.4	43.3	64.9
67	72.8	56.1	84.1
52	30.6	24.5	36.7

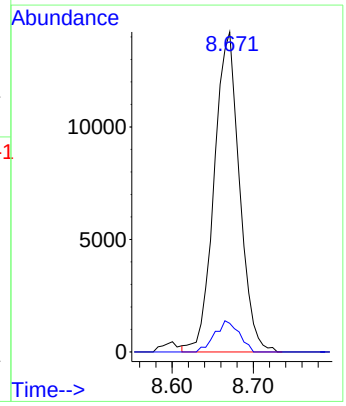


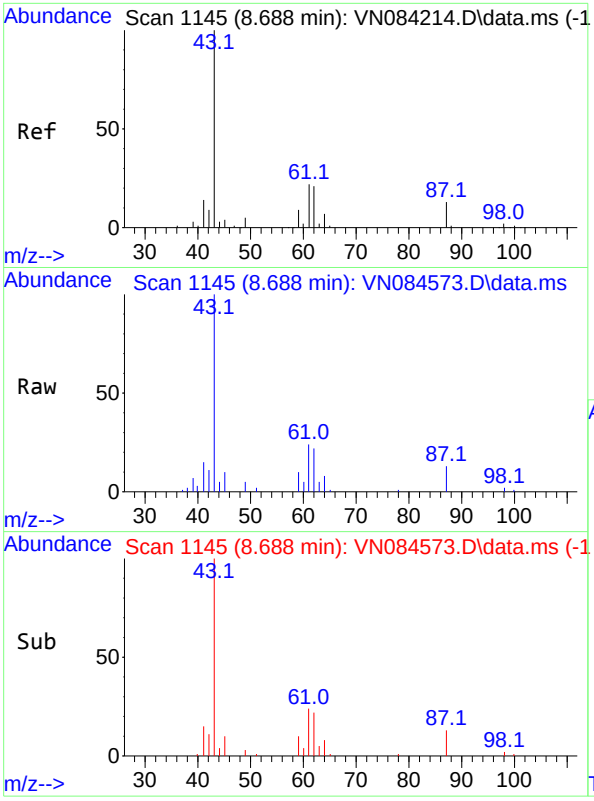


#42
1,2-Dichloroethane
Concen: 10.087 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 62 Resp: 30752

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2



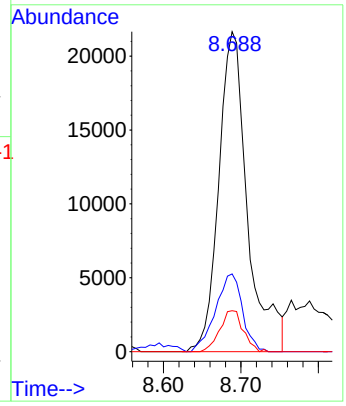


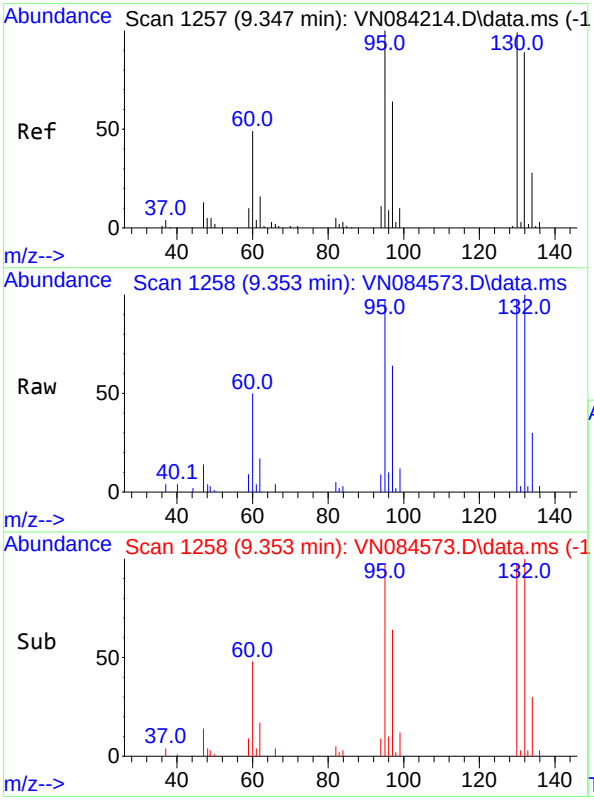
#43
Isopropyl Acetate
Concen: 10.611 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 55871

Ion	Ratio	Lower	Upper
43	100		
61	22.8	20.4	30.6
87	10.5	10.3	15.5

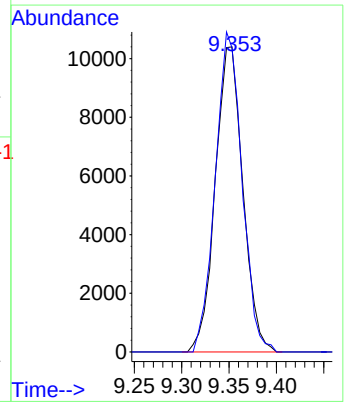


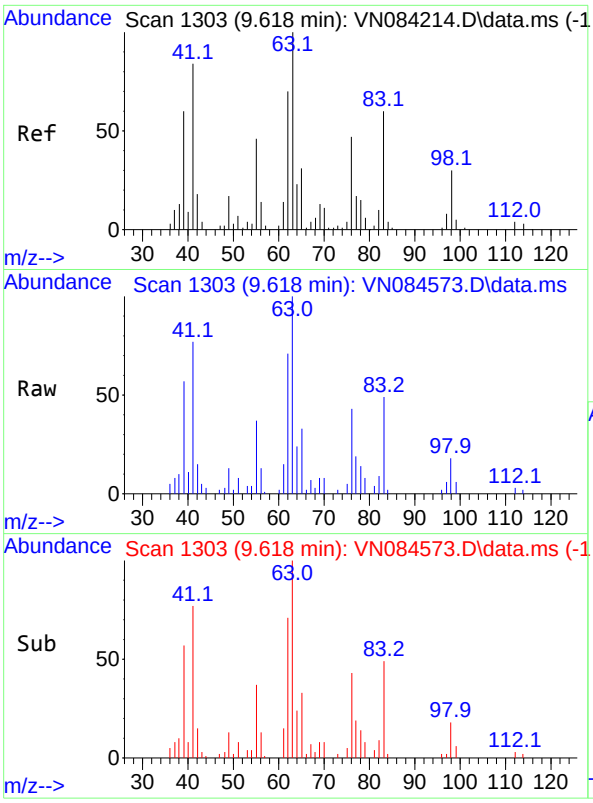


#44
Trichloroethene
Concen: 9.719 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:130 Resp: 21099

Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	203.0



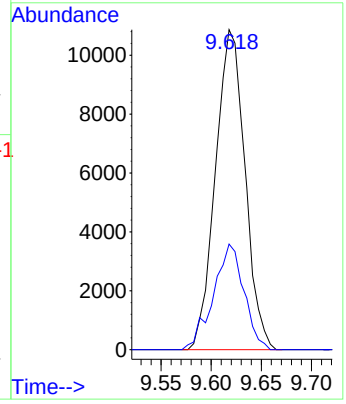


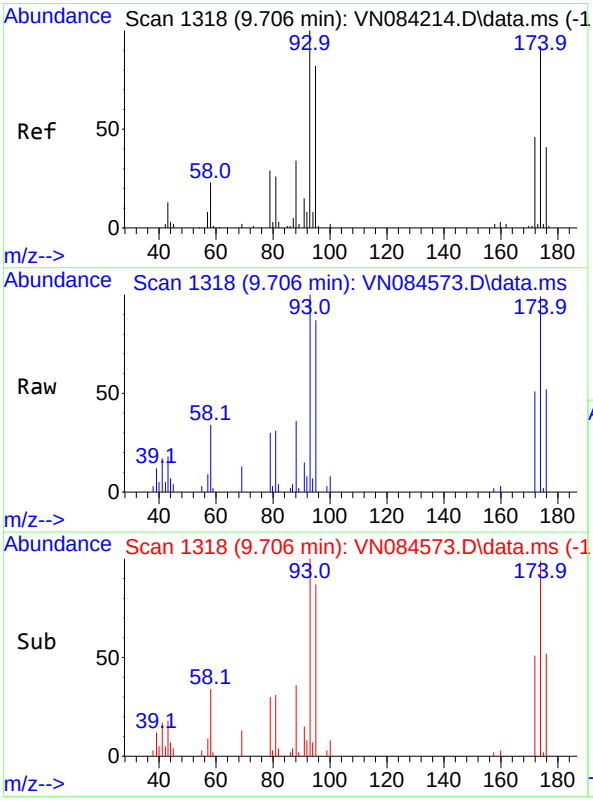
#45
1,2-Dichloropropane
Concen: 10.105 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 63 Resp: 22314

Ion	Ratio	Lower	Upper
63	100		
65	33.0	24.6	37.0

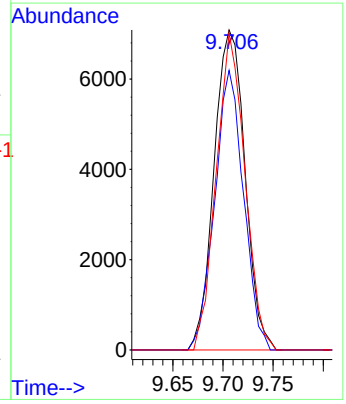


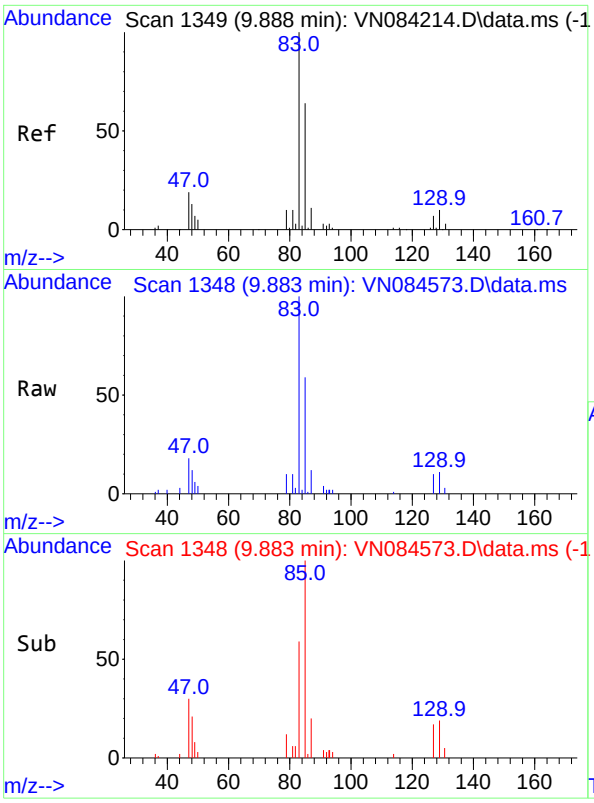


#46
Dibromomethane
Concen: 9.762 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 93 Resp: 15211

Ion	Ratio	Lower	Upper
93	100		
95	81.5	65.0	97.4
174	91.7	71.8	107.8



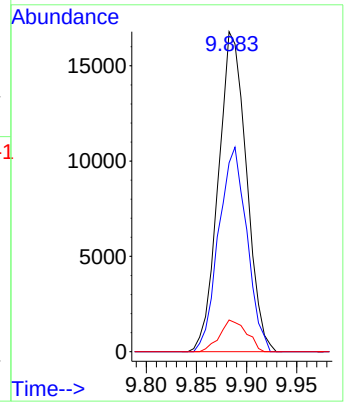


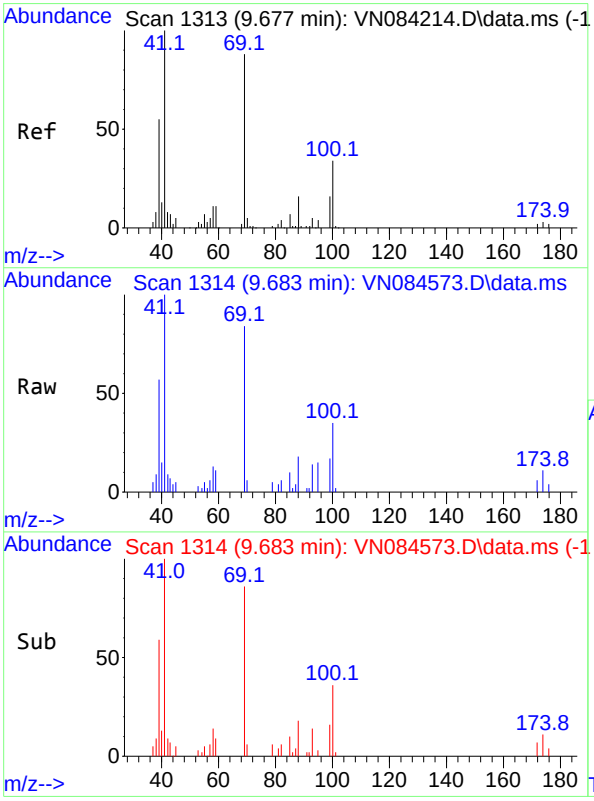
#47
Bromodichloromethane
Concen: 9.929 ug/l
RT: 9.883 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 32612

Ion	Ratio	Lower	Upper
83	100		
85	59.0	51.5	77.3
127	9.9	5.7	8.5#

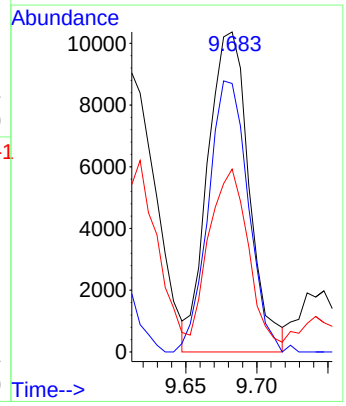


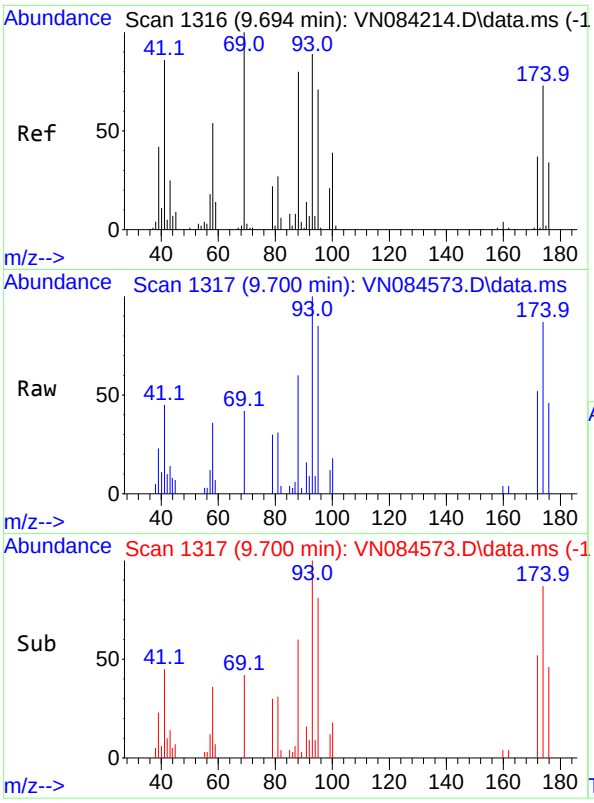


#48
Methyl methacrylate
Concen: 10.127 ug/l
RT: 9.683 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 41 Resp: 20961

Ion	Ratio	Lower	Upper
41	100		
69	81.9	67.1	100.7
39	55.2	45.8	68.6



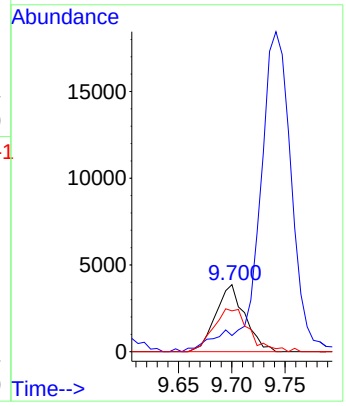


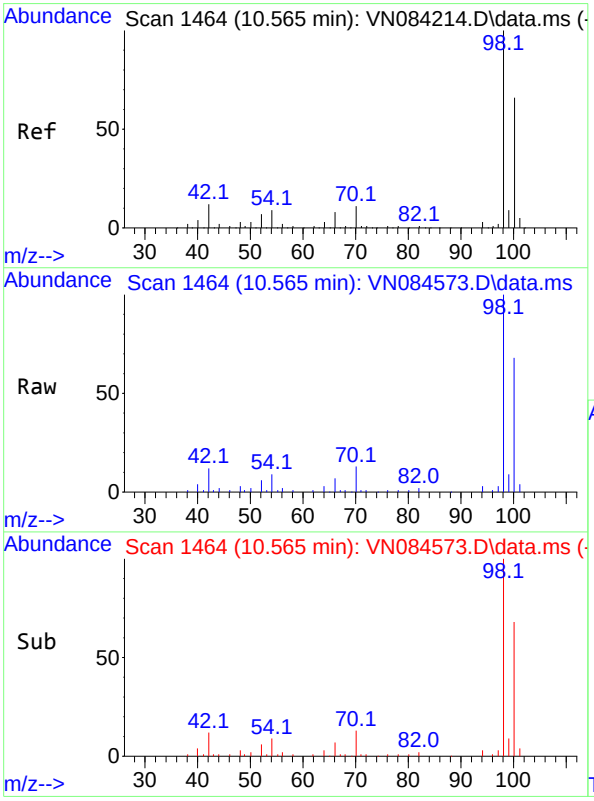
#49
1,4-Dioxane
Concen: 201.076 ug/l
RT: 9.700 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 88 Resp: 7375

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	78.6	56.4	84.6

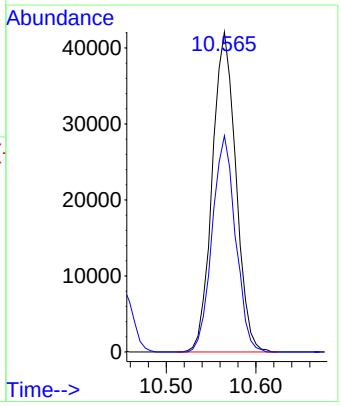


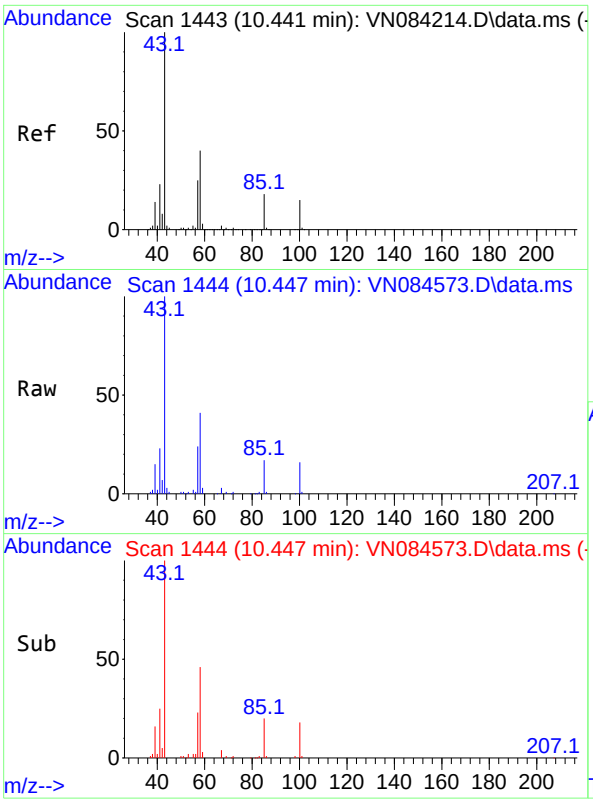


#50
Toluene-d8
Concen: 9.876 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 98 Resp: 76892

Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.7	79.1



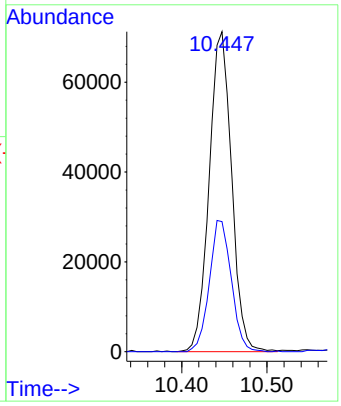


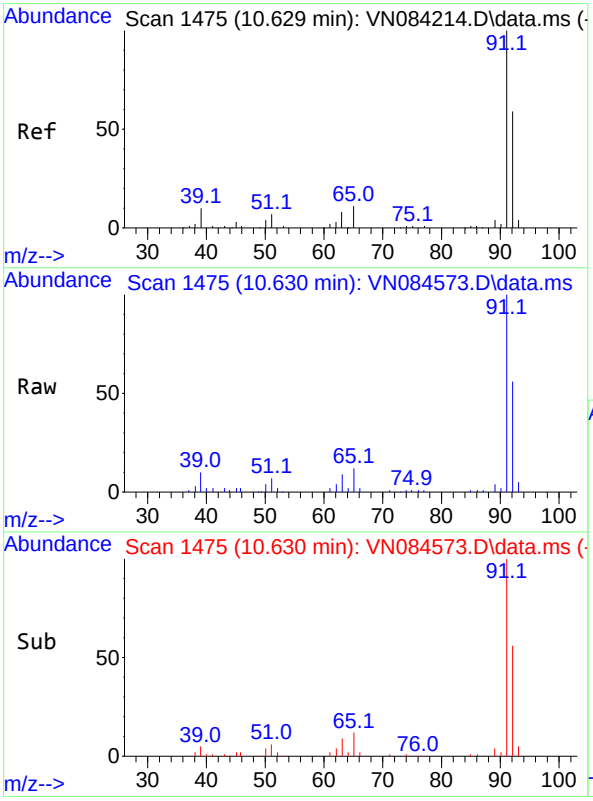
#51
4-Methyl-2-Pentanone
Concen: 51.405 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 130324

Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.6	47.4

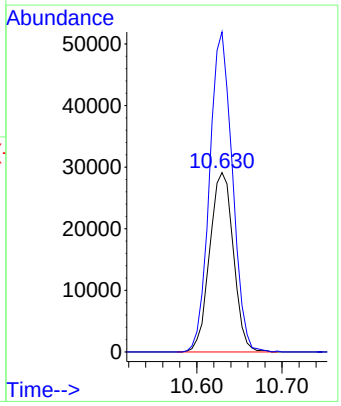


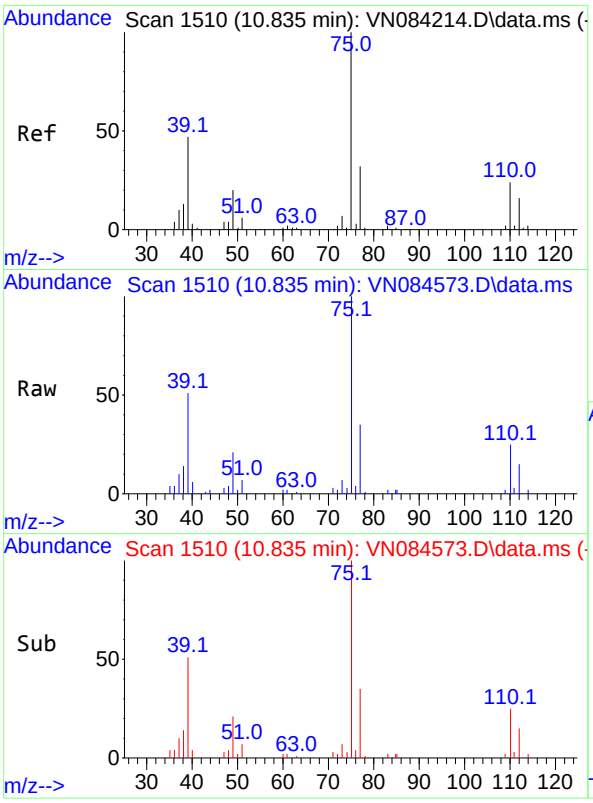


#52
Toluene
Concen: 10.230 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 92 Resp: 56321

Ion	Ratio	Lower	Upper
92	100		
91	172.0	137.3	205.9



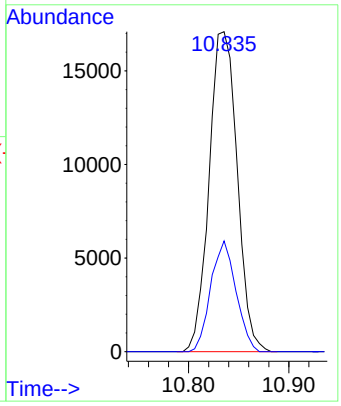


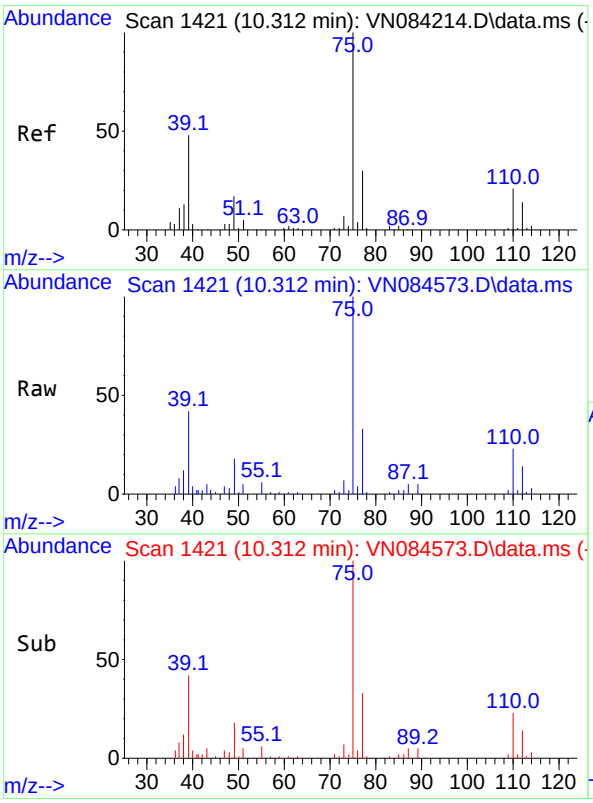
#53
t-1,3-Dichloropropene
Concen: 9.771 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 33220

Ion	Ratio	Lower	Upper
75	100		
77	34.6	25.4	38.0

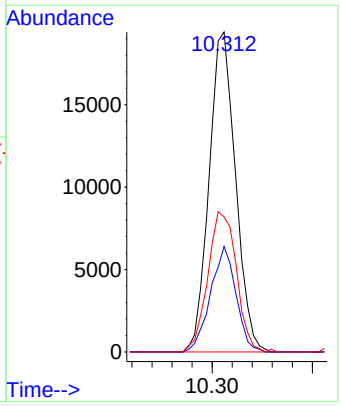


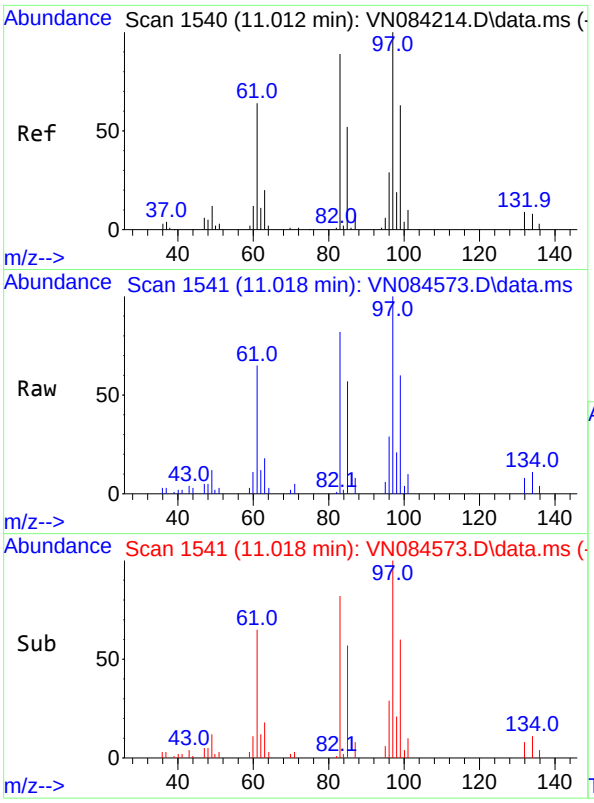


#54
cis-1,3-Dichloropropene
Concen: 9.883 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 75 Resp: 35562

Ion	Ratio	Lower	Upper
75	100		
77	32.9	24.2	36.2
39	42.2	38.7	58.1



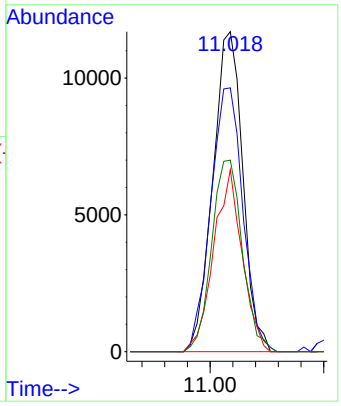


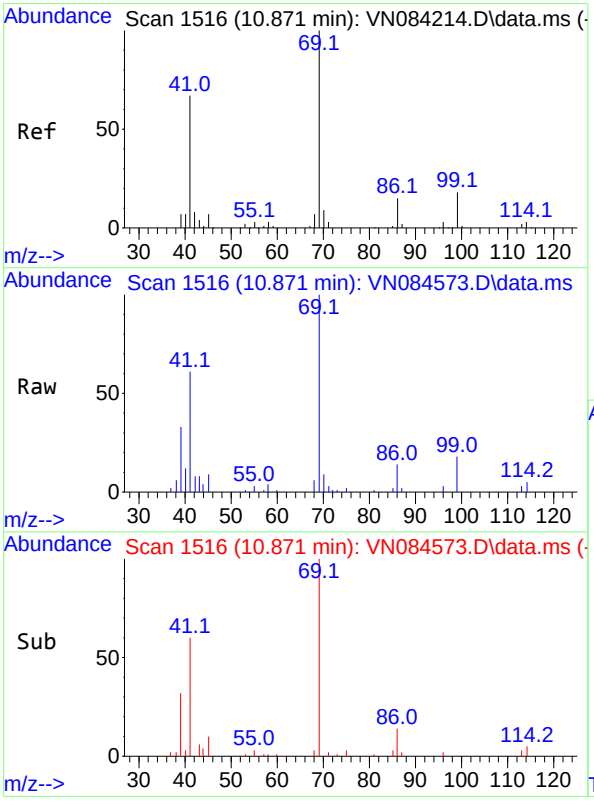
#55
1,1,2-Trichloroethane
Concen: 10.303 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 97 Resp: 21367

Ion	Ratio	Lower	Upper
97	100		
83	82.4	71.0	106.4
85	56.9	41.7	62.5
99	59.8	50.1	75.1

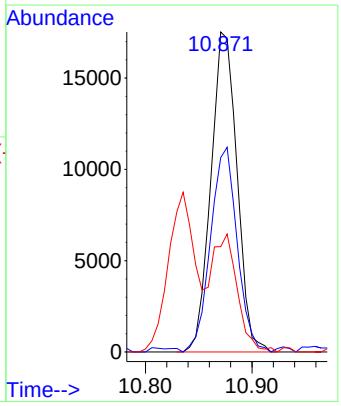


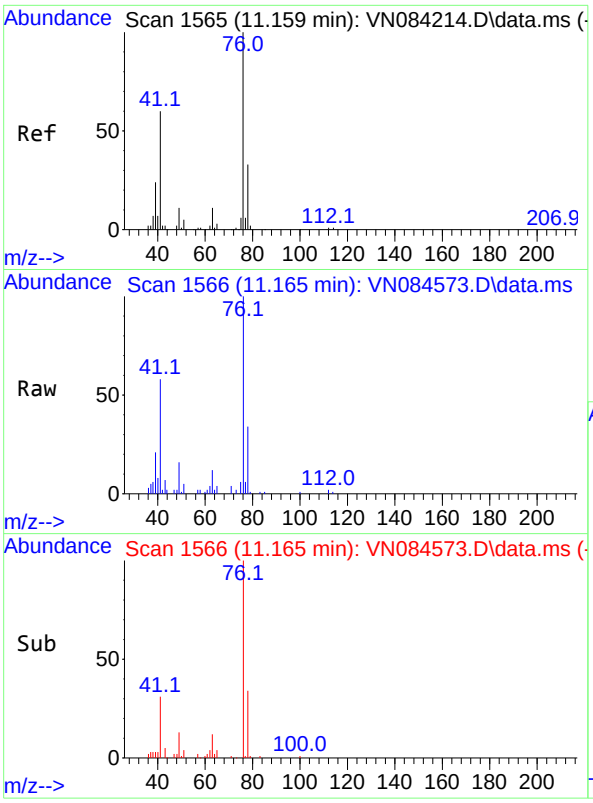


#56
Ethyl methacrylate
Concen: 9.936 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 69 Resp: 29804

Ion	Ratio	Lower	Upper
69	100		
41	65.4	53.3	79.9
39	37.1	28.8	43.2



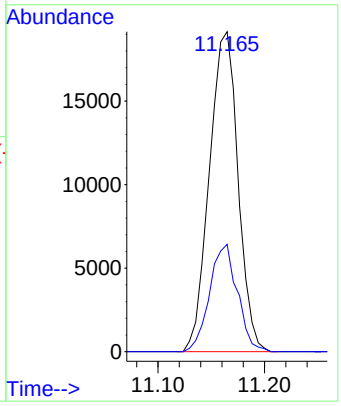


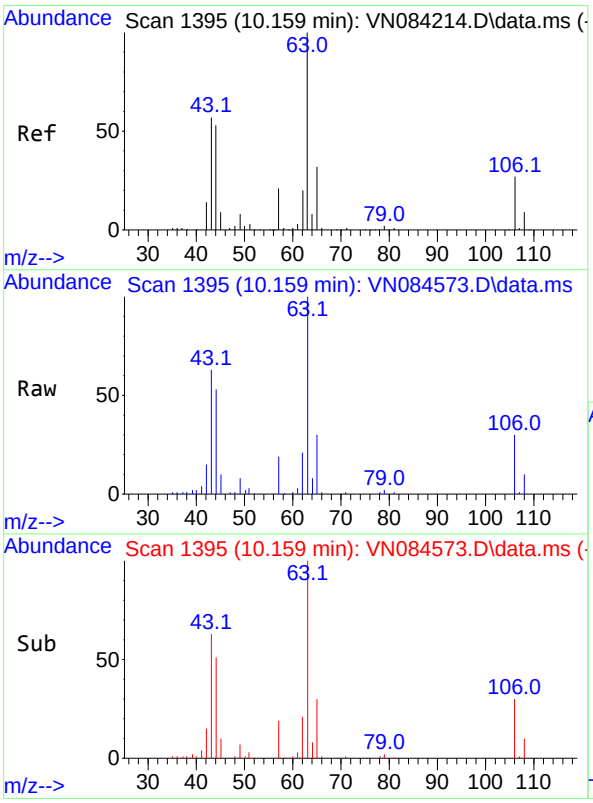
#57
1,3-Dichloropropane
Concen: 10.056 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 35790

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6

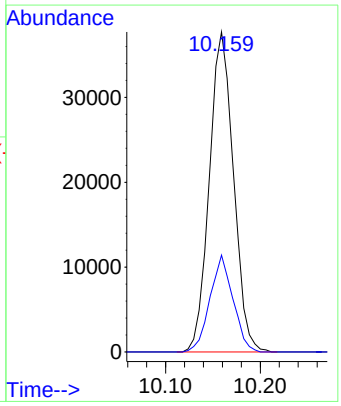


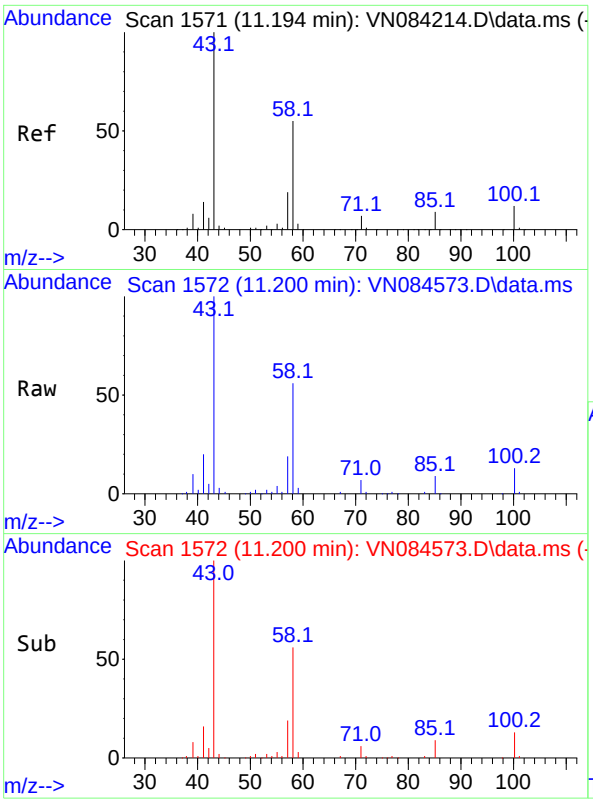


#58
2-Chloroethyl Vinyl ether
Concen: 47.583 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 63 Resp: 66790

Ion	Ratio	Lower	Upper
63	100		
106	28.9	21.8	32.6



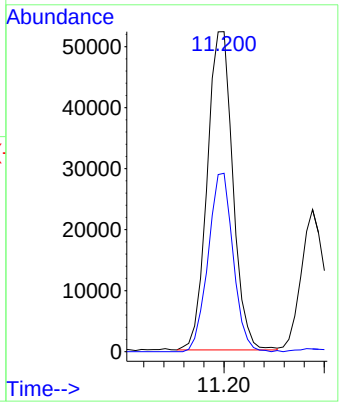


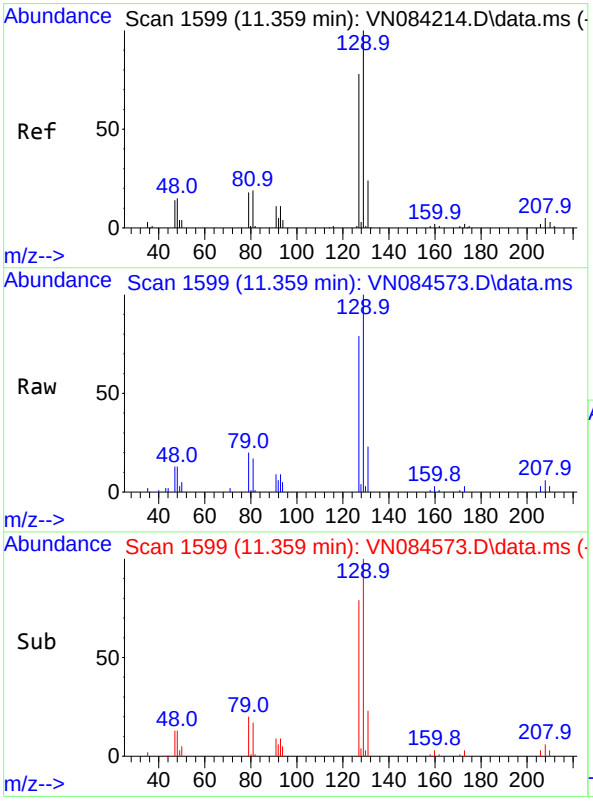
#59
2-Hexanone
Concen: 50.273 ug/l
RT: 11.200 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 92772

Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.3	81.8

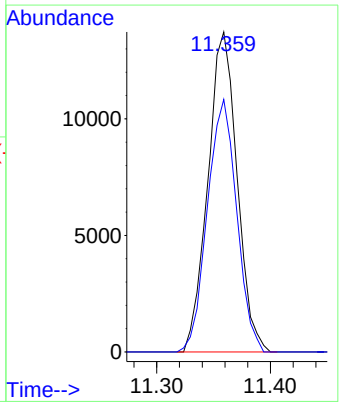


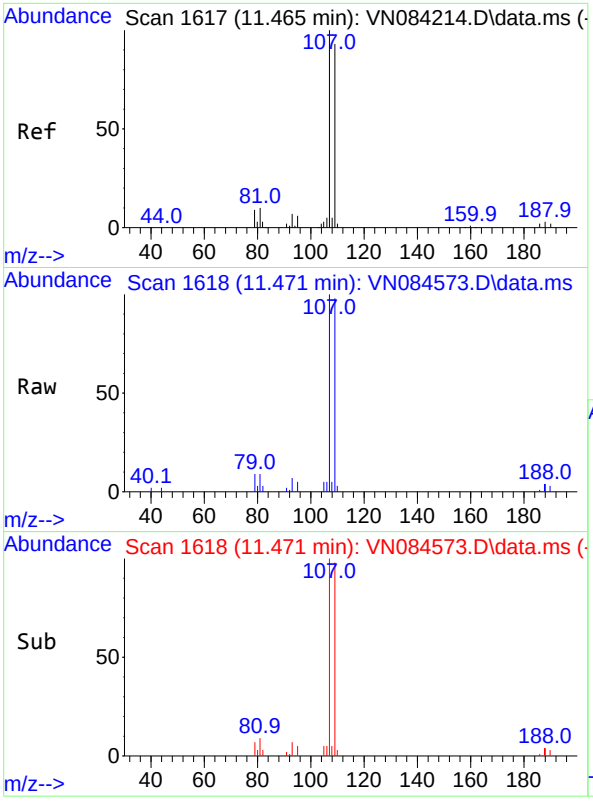


#60
Dibromochloromethane
Concen: 10.383 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:129 Resp: 24541

Ion	Ratio	Lower	Upper
129	100		
127	79.2	38.3	114.9



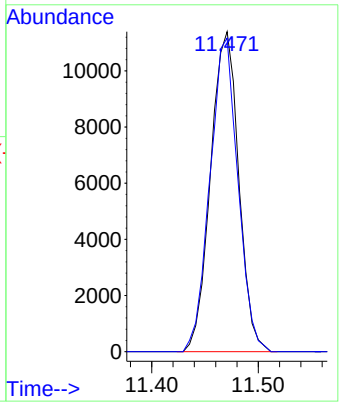


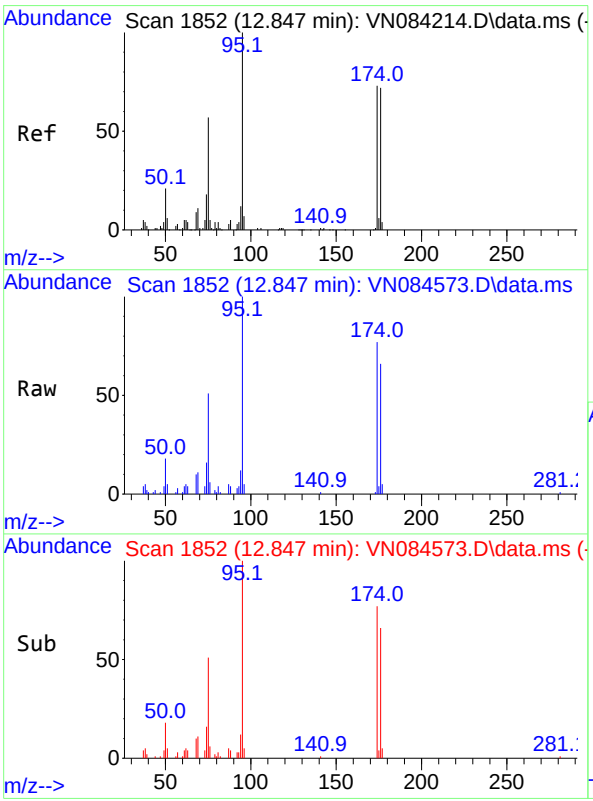
#61
1,2-Dibromoethane
Concen: 9.839 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:107 Resp: 20895

Ion	Ratio	Lower	Upper
107	100		
109	97.4	75.4	113.0

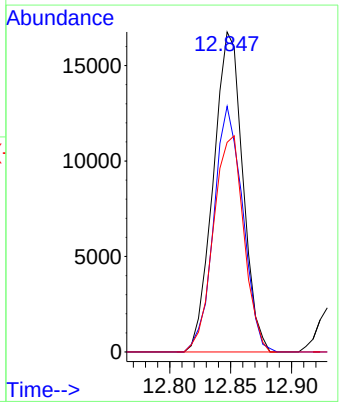


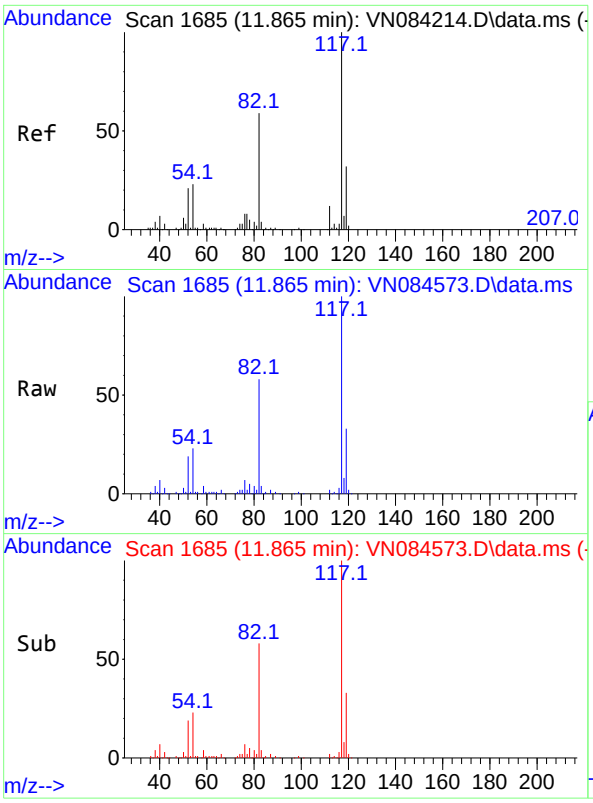


#62
4-Bromofluorobenzene
Concen: 9.689 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 95 Resp: 28191

Ion	Ratio	Lower	Upper
95	100		
174	75.6	0.0	145.2
176	70.1	0.0	140.0



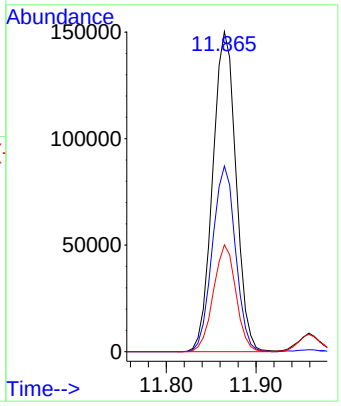


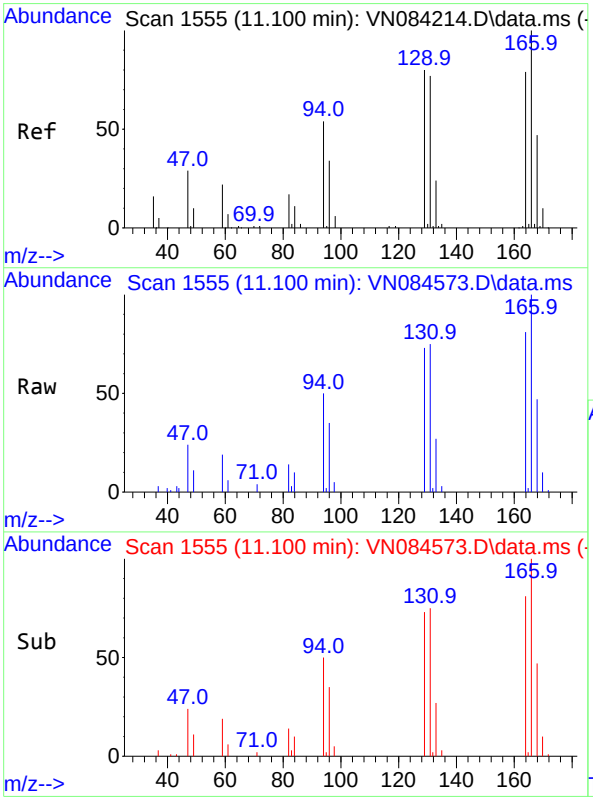
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:117 Resp: 270408

Ion	Ratio	Lower	Upper
117	100		
82	58.0	47.2	70.8
119	33.4	25.4	38.0

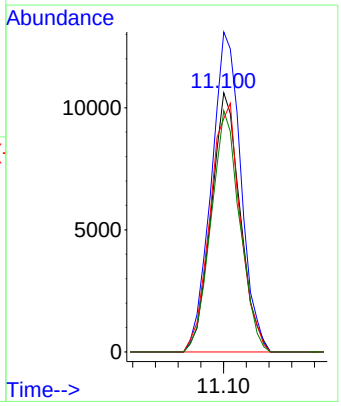


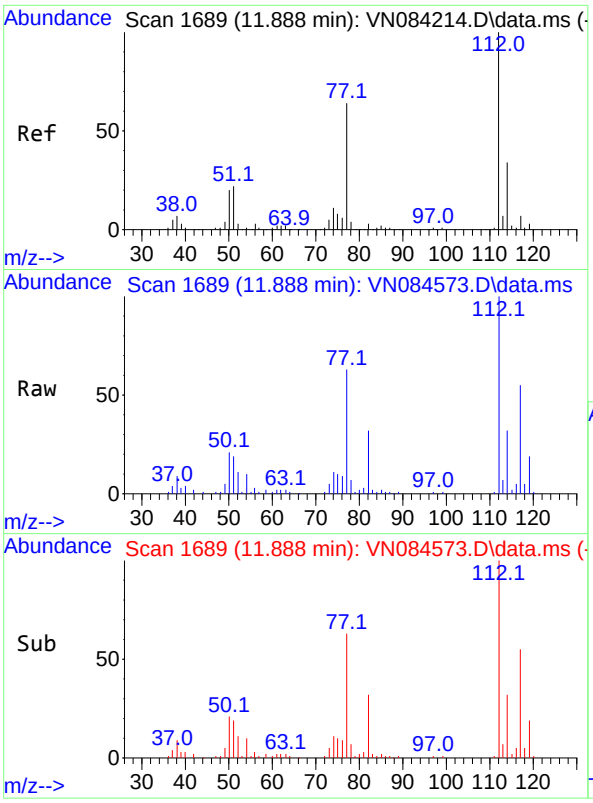


#64
Tetrachloroethene
Concen: 10.439 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:164 Resp: 18777

Ion	Ratio	Lower	Upper
164	100		
166	123.4	101.0	151.4
129	90.0	80.8	121.2
131	93.1	78.1	117.1



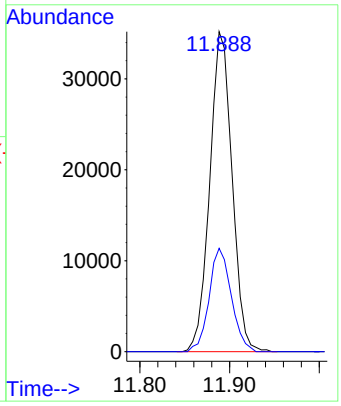


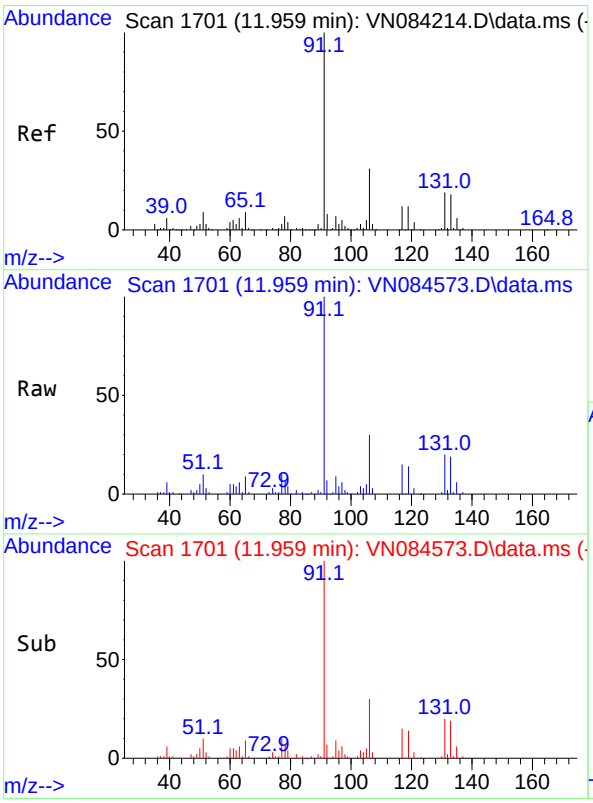
#65
Chlorobenzene
Concen: 10.041 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:112 Resp: 60746

Ion	Ratio	Lower	Upper
112	100		
114	32.3	27.0	40.6

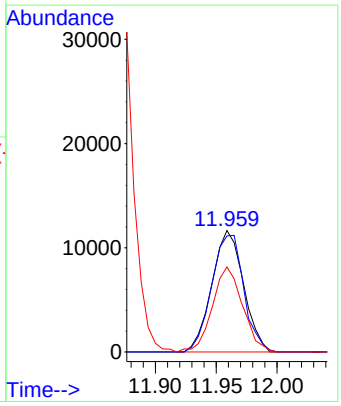


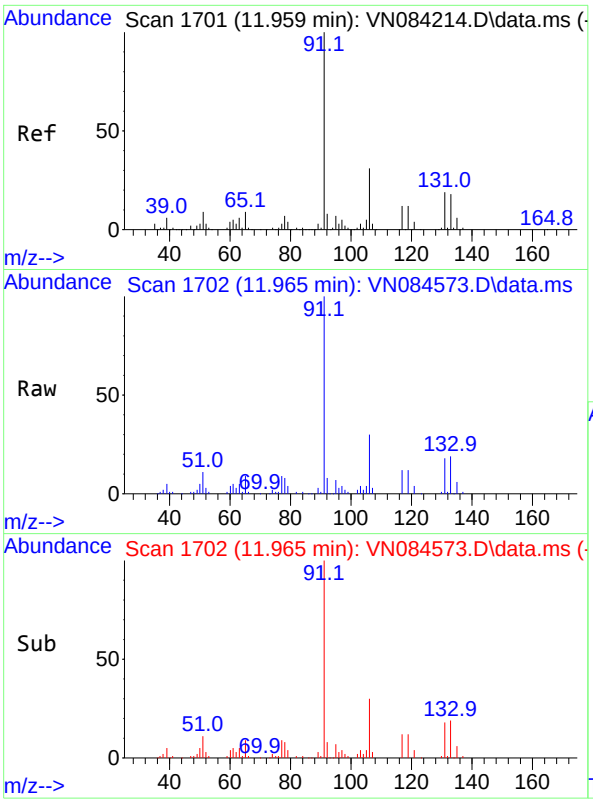


#66
1,1,1,2-Tetrachloroethane
Concen: 10.018 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:131 Resp: 21080

Ion	Ratio	Lower	Upper
131	100		
133	97.6	47.9	143.7
119	66.8	32.8	98.3



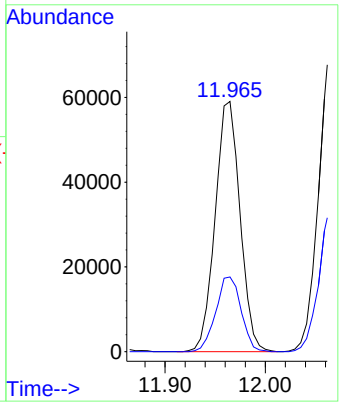


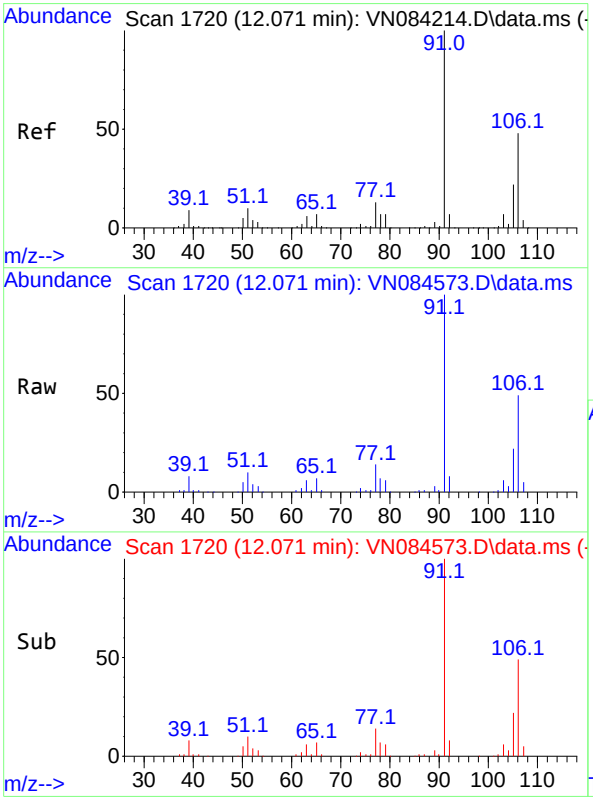
#67
Ethyl Benzene
Concen: 10.067 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 101653

Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.5	36.7

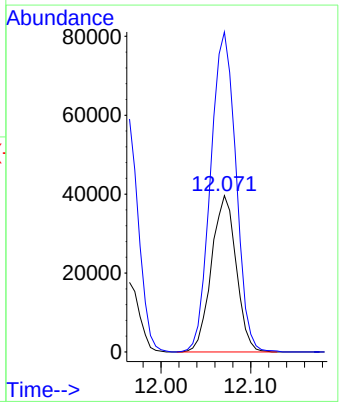


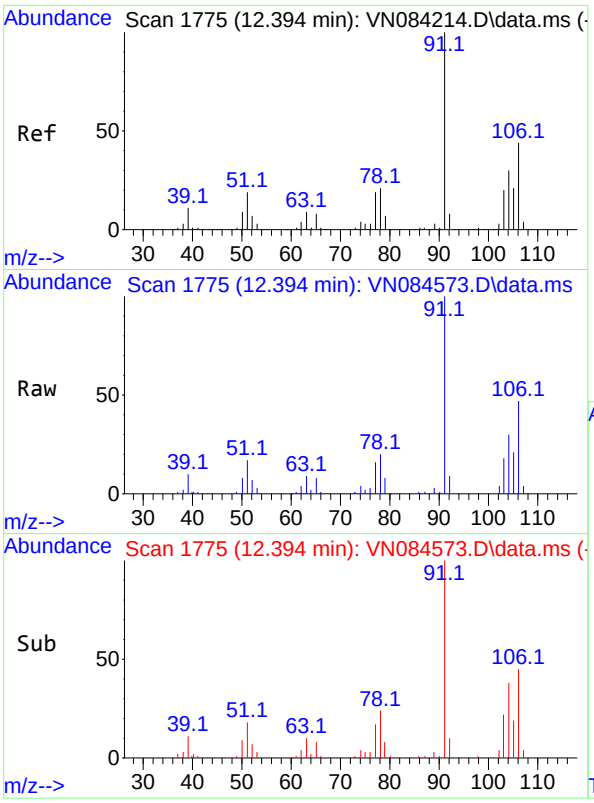


#68
m/p-Xylenes
Concen: 19.842 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:106 Resp: 75857

Ion	Ratio	Lower	Upper
106	100		
91	209.6	167.1	250.7



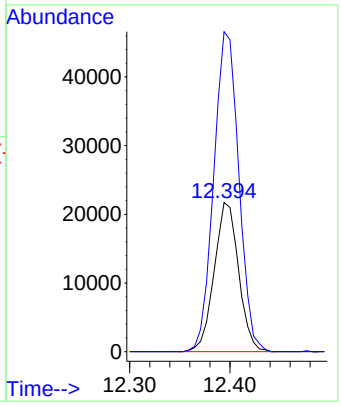


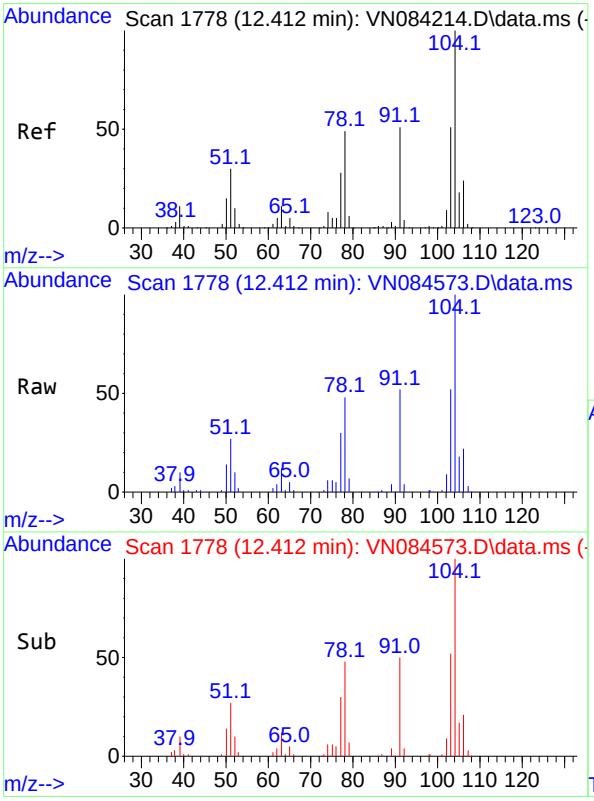
#69
o-Xylene
Concen: 10.261 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:106 Resp: 36696

Ion	Ratio	Lower	Upper
106	100		
91	220.1	110.2	330.6

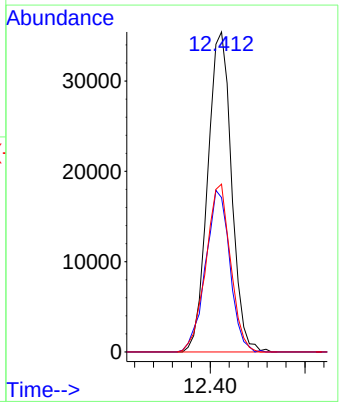


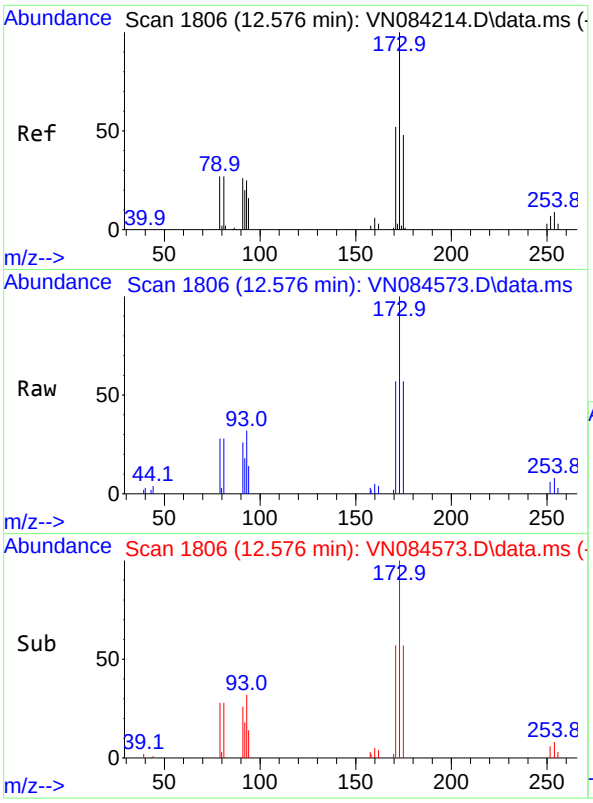


#70
Styrene
Concen: 9.916 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:104 Resp: 61865

Ion	Ratio	Lower	Upper
104	100		
78	51.5	42.7	64.1
103	54.2	43.6	65.4



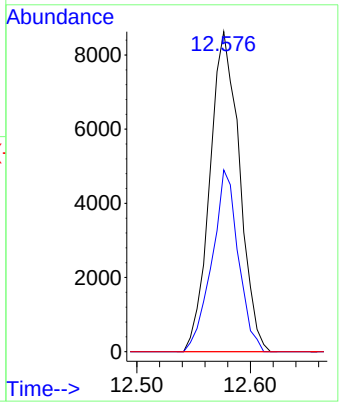


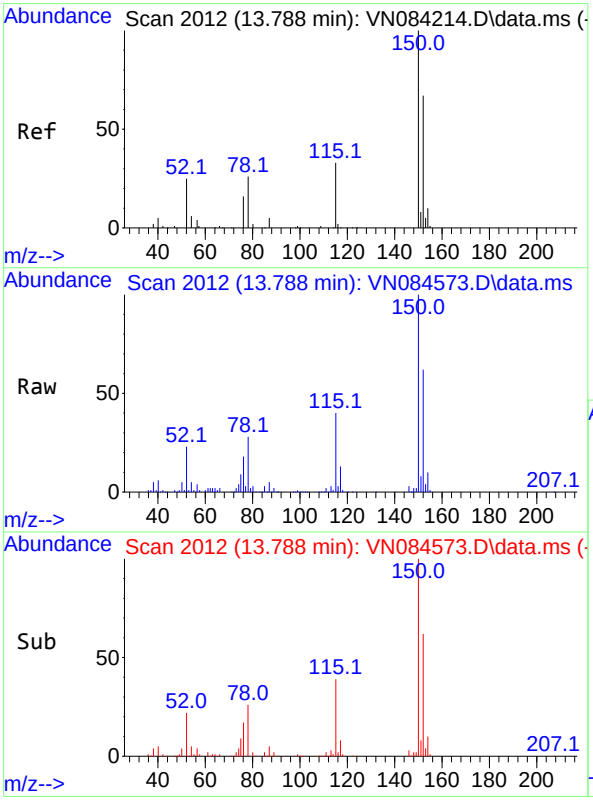
#71
Bromoform
Concen: 9.871 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:173 Resp: 15630

Ion	Ratio	Lower	Upper
173	100		
175	50.6	23.5	70.6
254	0.0	0.0	0.0

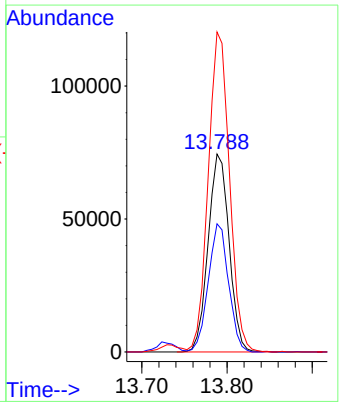


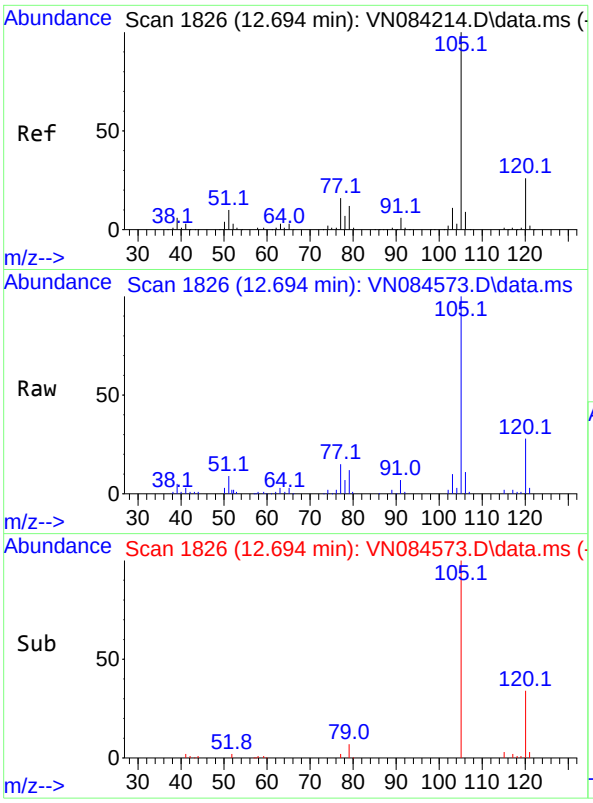


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:152 Resp: 127178

Ion	Ratio	Lower	Upper
152	100		
115	62.6	31.3	93.9
150	163.6	0.0	349.8



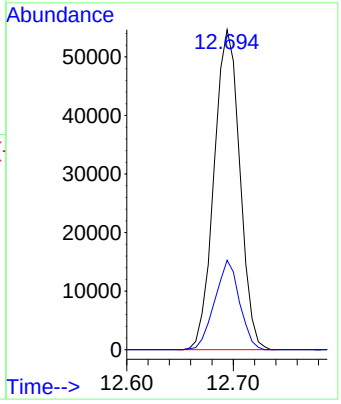


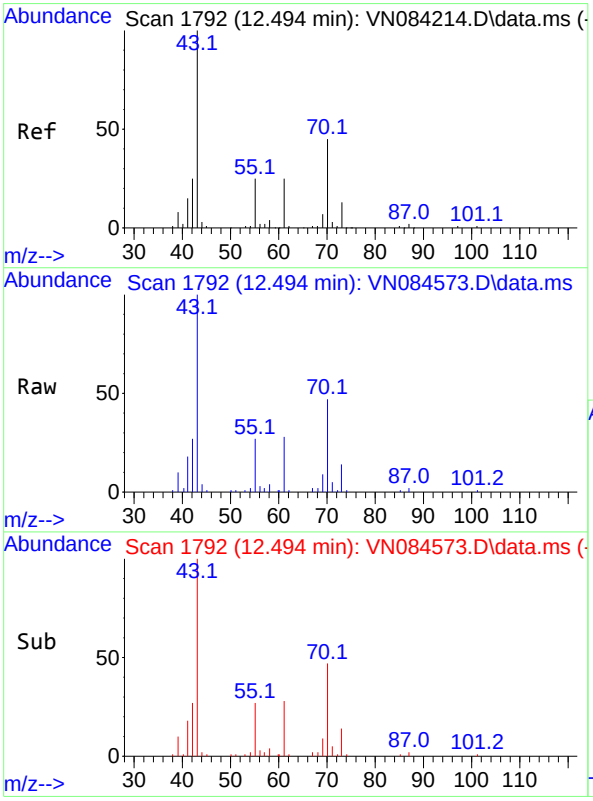
#73
Isopropylbenzene
Concen: 10.287 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 91683

Ion	Ratio	Lower	Upper
105	100		
120	26.8	12.9	38.7

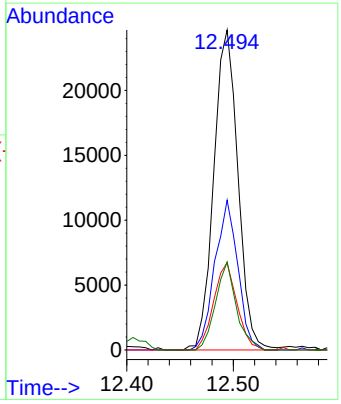


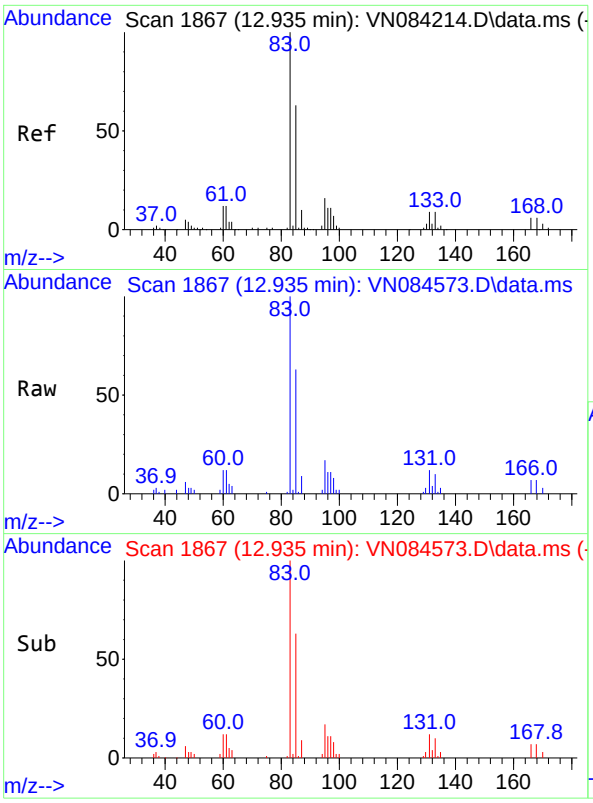


#74
N-amyl acetate
Concen: 10.240 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 43 Resp: 38841

Ion	Ratio	Lower	Upper
43	100		
70	44.5	34.4	51.6
55	26.2	19.6	29.4
61	23.6	19.6	29.4



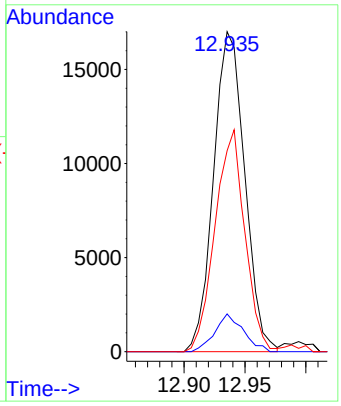


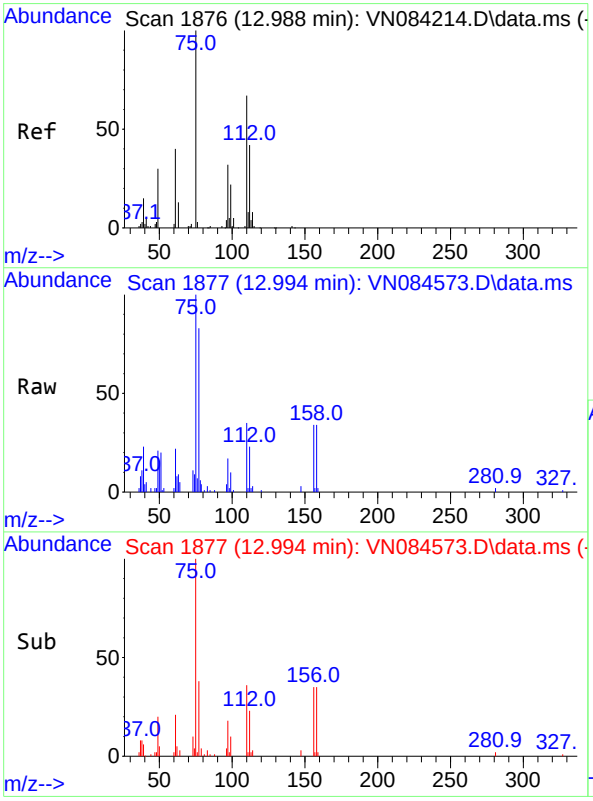
#75
1,1,2,2-Tetrachloroethane
Concen: 10.175 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 30270

Ion	Ratio	Lower	Upper
83	100		
131	10.8	4.9	14.7
85	66.4	31.9	95.7

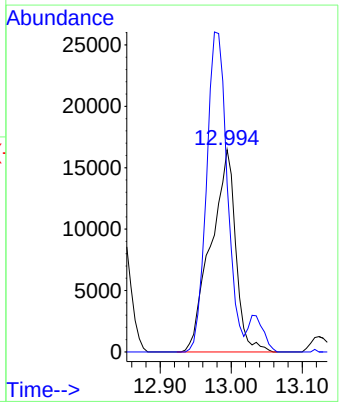


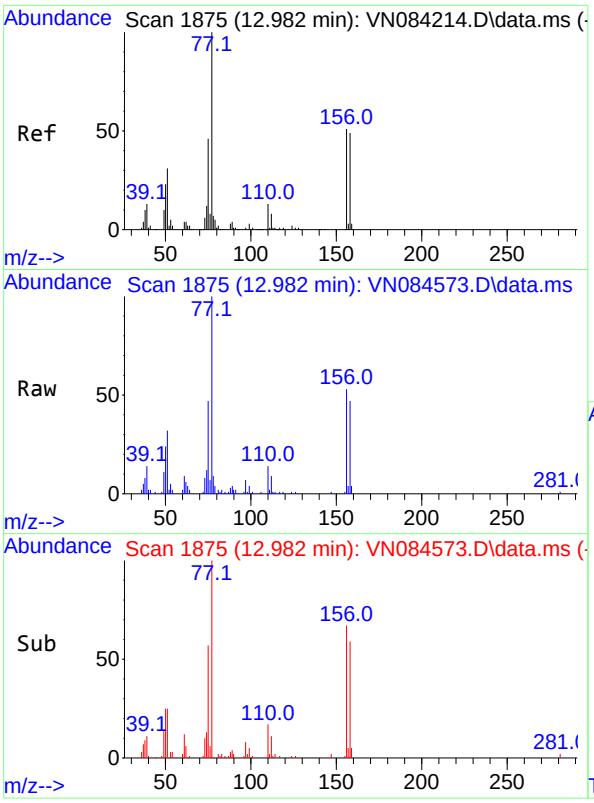


#76
1,2,3-Trichloropropane
Concen: 15.913 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 75 Resp: 39936

Ion	Ratio	Lower	Upper
75	100		
77	131.8	96.9	290.7



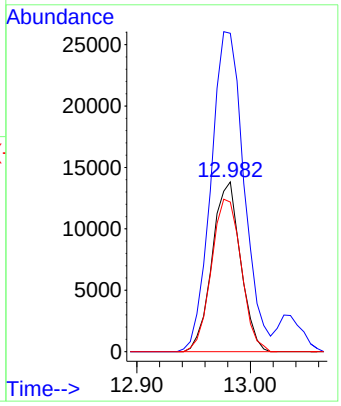


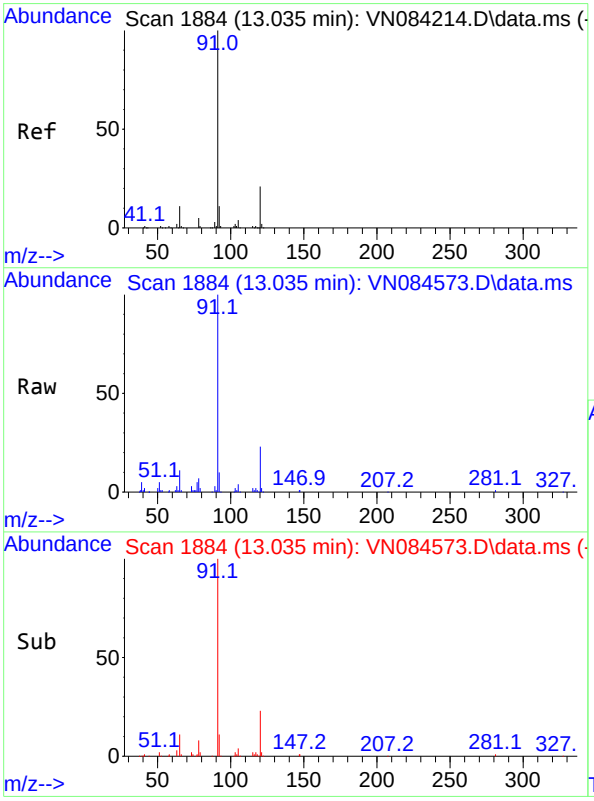
#77
Bromobenzene
Concen: 10.012 ug/l
RT: 12.982 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:156 Resp: 23987

Ion	Ratio	Lower	Upper
156	100		
77	219.4	115.1	345.3
158	94.5	48.9	146.8

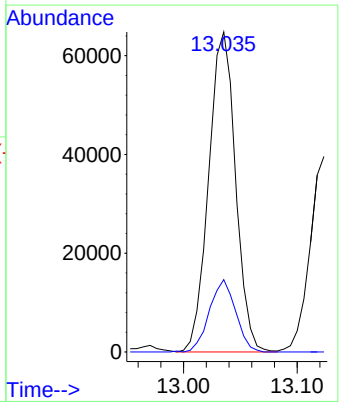


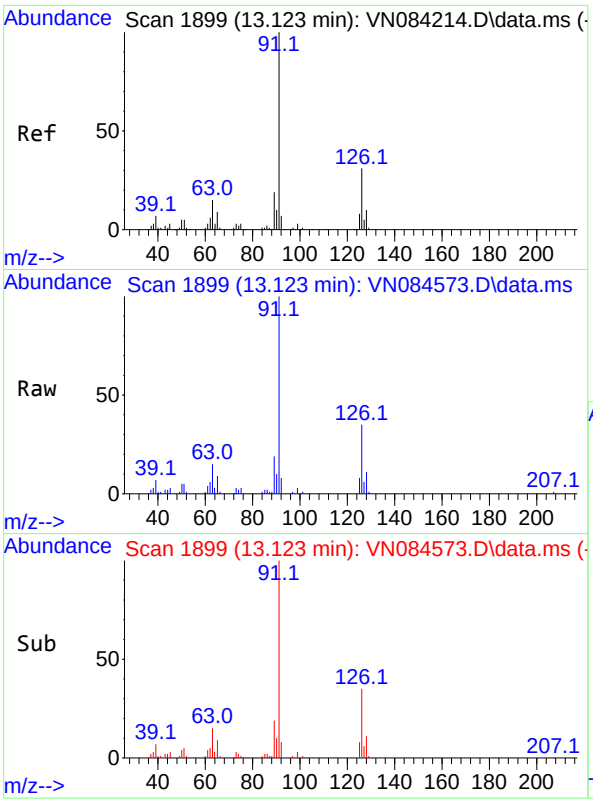


#78
n-propylbenzene
Concen: 10.199 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 91 Resp: 106518

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4



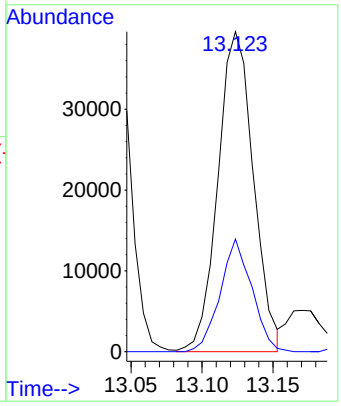


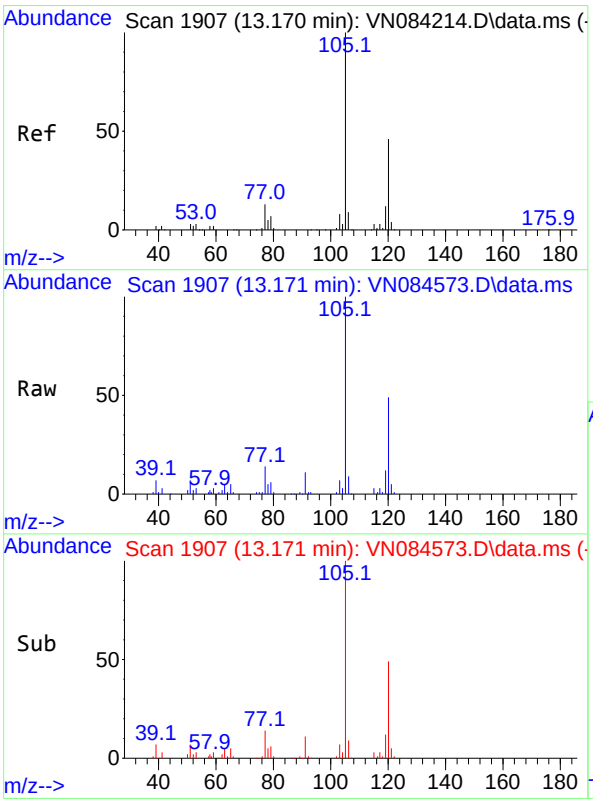
#79
2-Chlorotoluene
Concen: 10.064 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 68678

Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.7	47.1

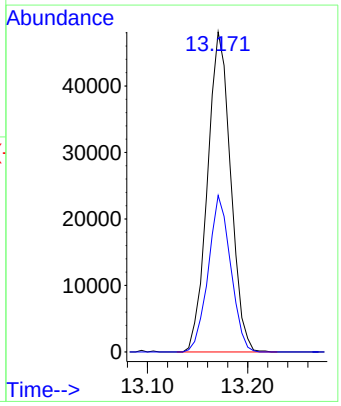


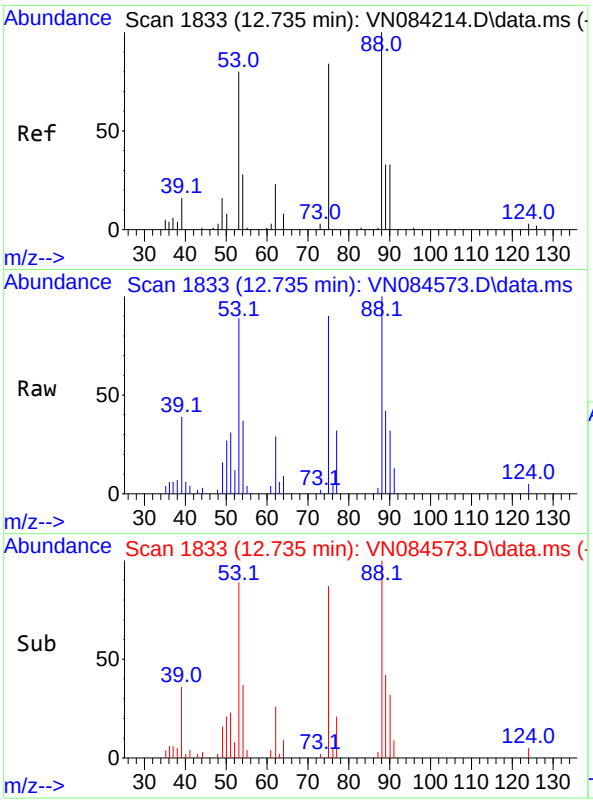


#80
1,3,5-Trimethylbenzene
Concen: 10.461 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:105 Resp: 77273

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.7	71.1



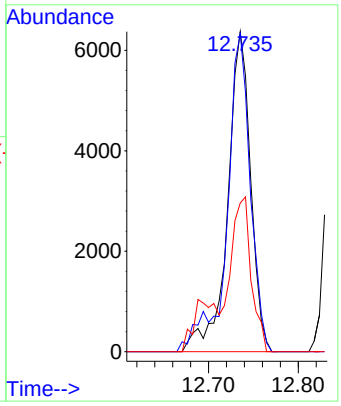


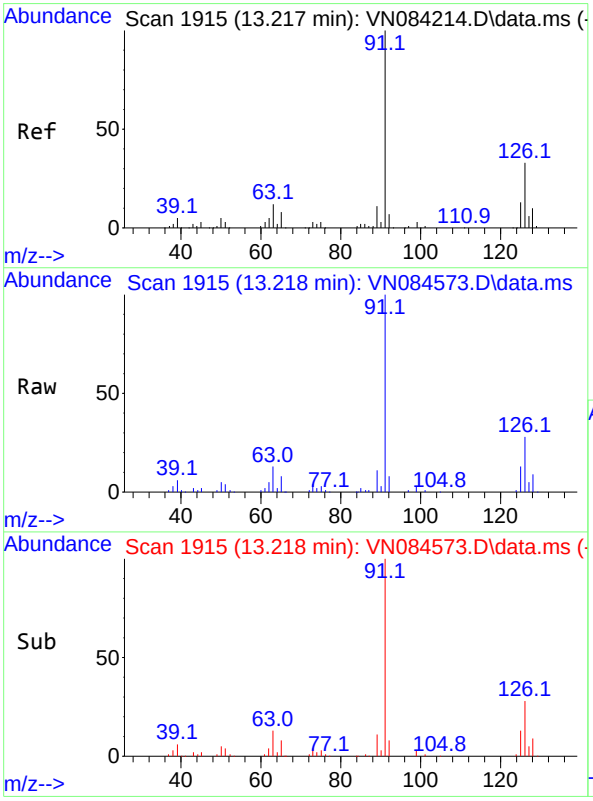
#81
trans-1,4-Dichloro-2-butene
Concen: 10.577 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 11334

Ion	Ratio	Lower	Upper
75	100		
53	92.2	78.0	117.0
89	43.2	35.5	53.3

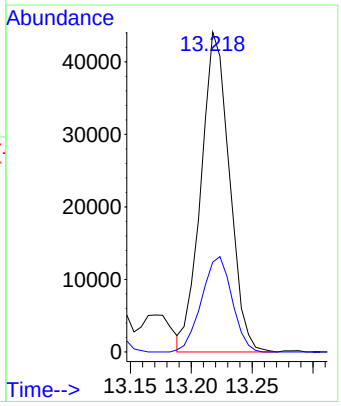


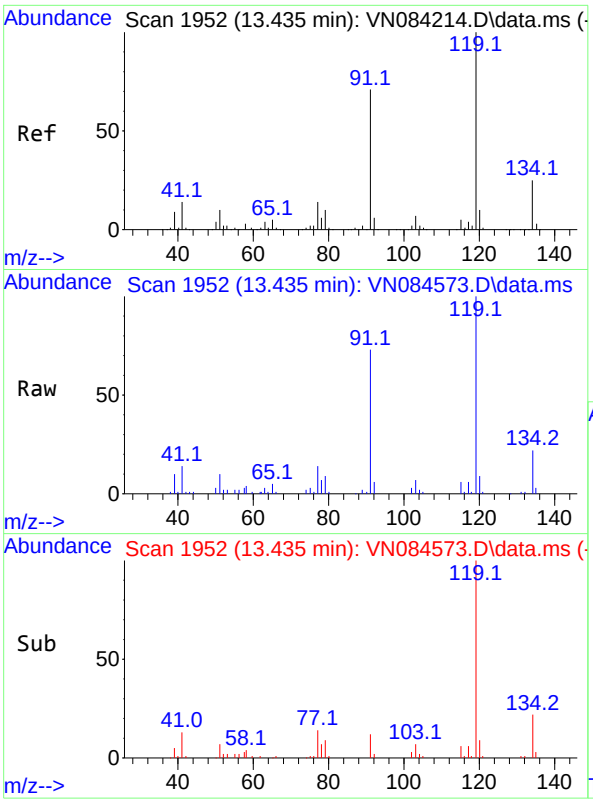


#82
4-Chlorotoluene
Concen: 9.996 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 91 Resp: 71787

Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.7	47.1



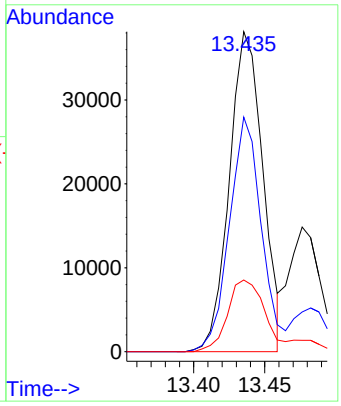


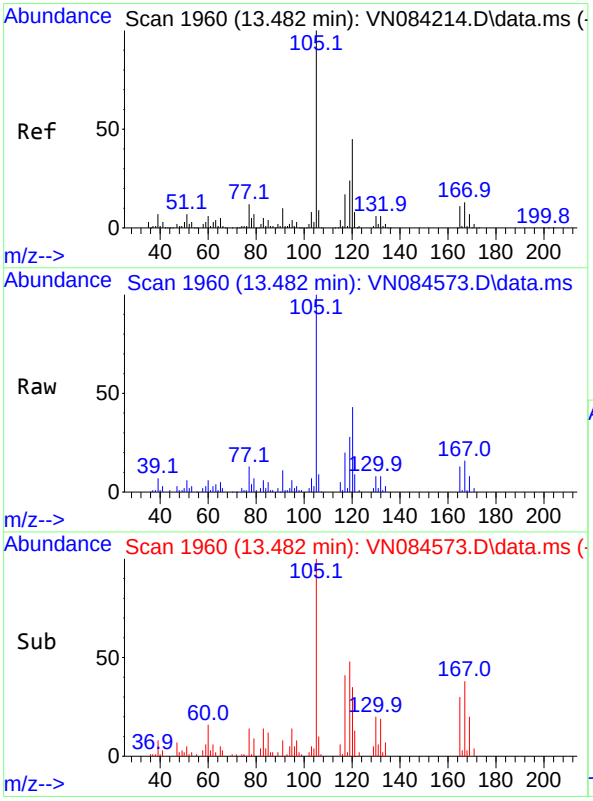
#83
tert-Butylbenzene
Concen: 10.240 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:119 Resp: 62600

Ion	Ratio	Lower	Upper
119	100		
91	70.4	34.1	102.3
134	24.7	12.8	38.4

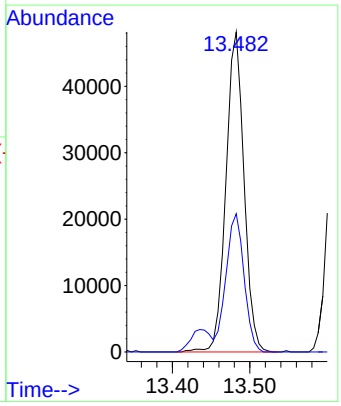


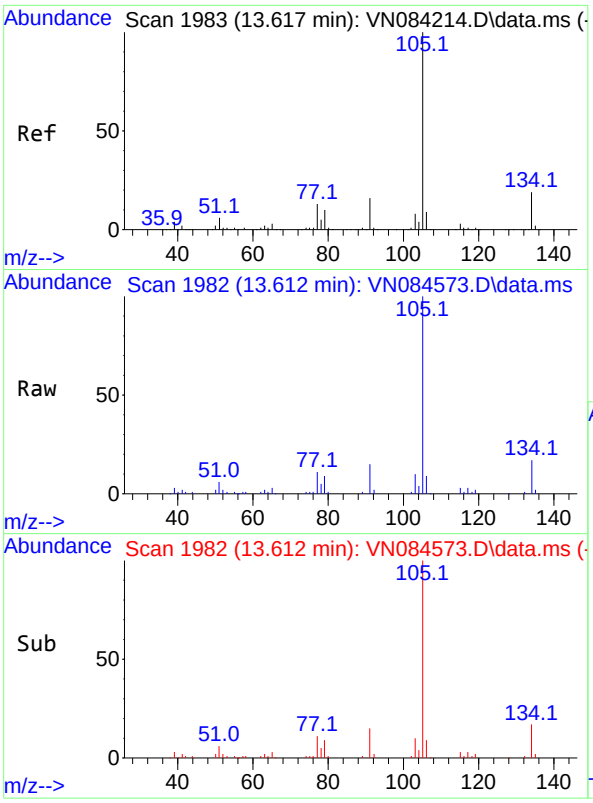


#84
1,2,4-Trimethylbenzene
Concen: 10.258 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:105 Resp: 78207

Ion	Ratio	Lower	Upper
105	100		
120	43.2	22.3	66.8



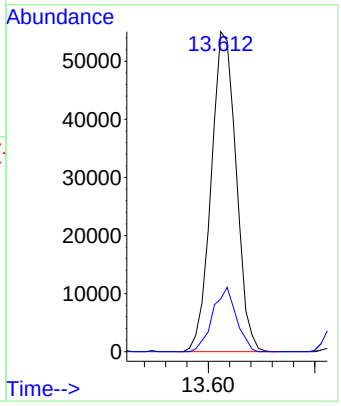


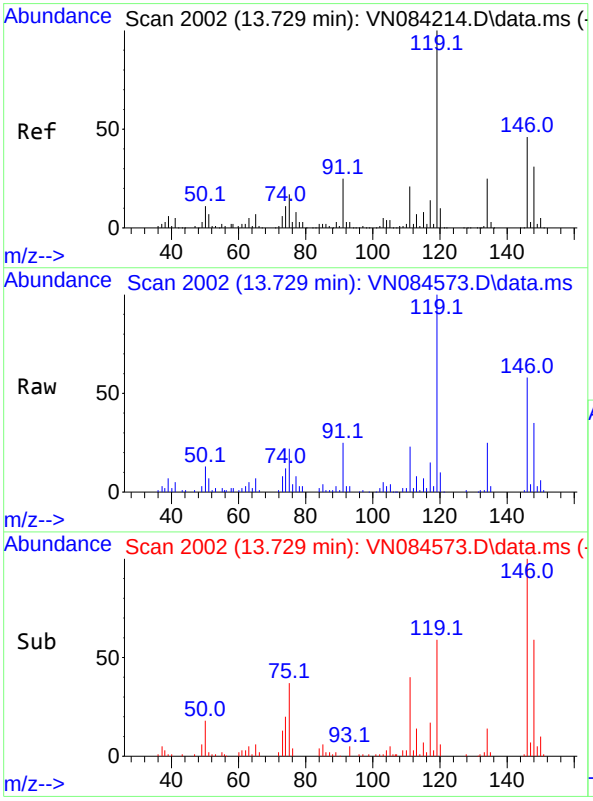
#85
sec-Butylbenzene
Concen: 10.361 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 89469

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.4

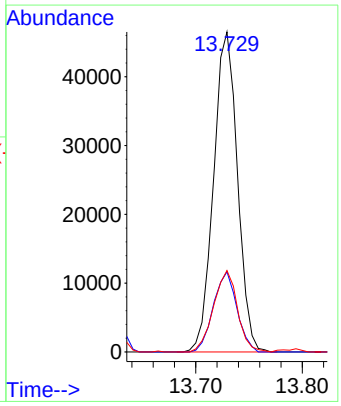


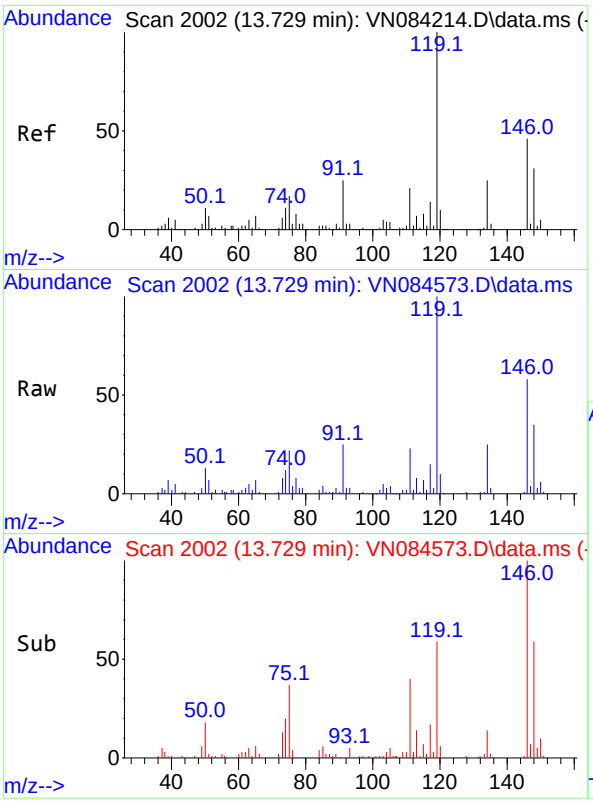


#86
p-Isopropyltoluene
Concen: 10.210 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:119 Resp: 72307

Ion	Ratio	Lower	Upper
119	100		
134	24.8	12.6	37.8
91	25.5	12.4	37.2



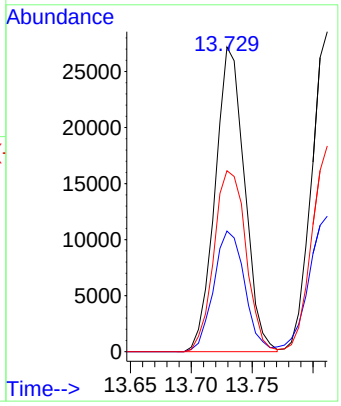


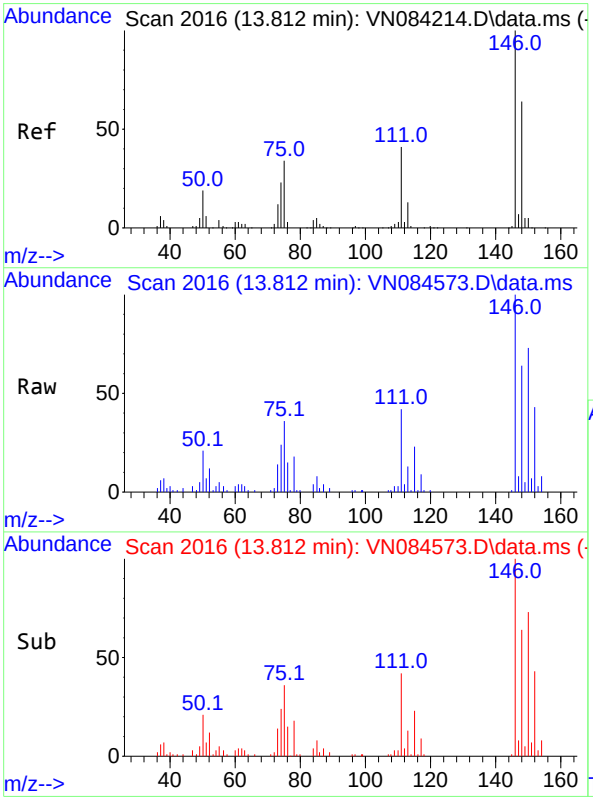
#87
1,3-Dichlorobenzene
Concen: 9.802 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 45832

Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.8	65.3
148	64.6	31.9	95.7

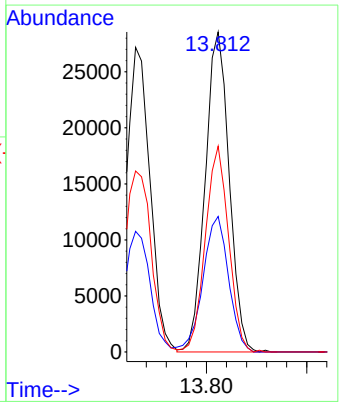


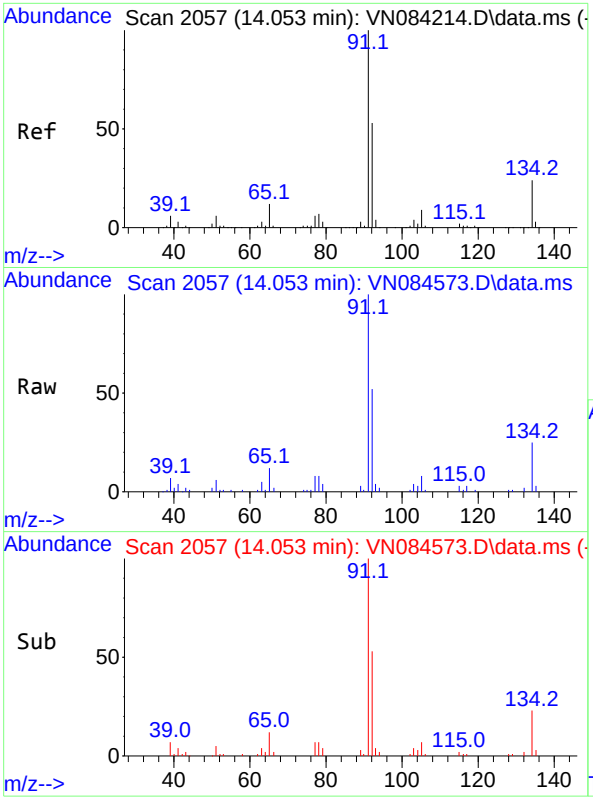


#88
1,4-Dichlorobenzene
Concen: 10.276 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:146 Resp: 47483

Ion	Ratio	Lower	Upper
146	100		
111	45.2	21.2	63.6
148	62.4	31.9	95.9



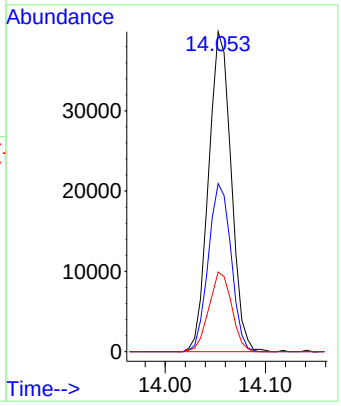


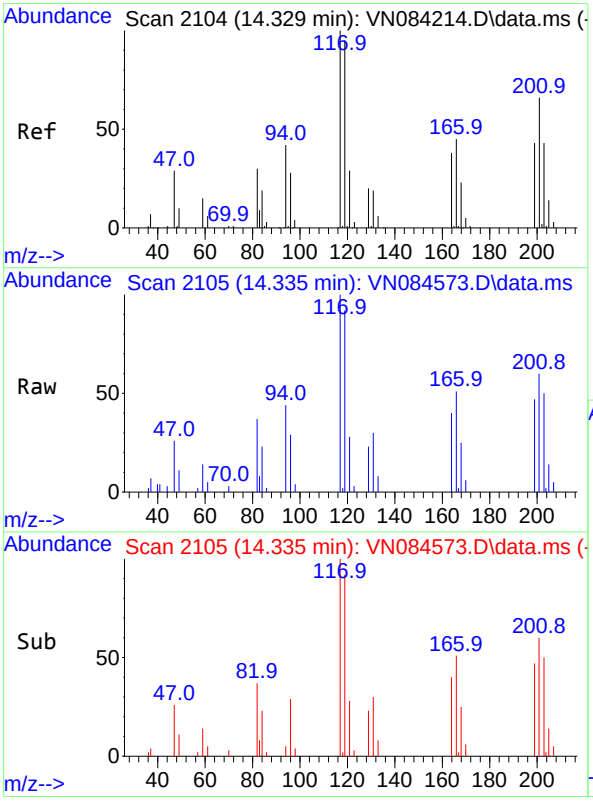
#89
n-Butylbenzene
Concen: 9.433 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 62495

Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.6	79.7
134	25.1	12.3	36.9

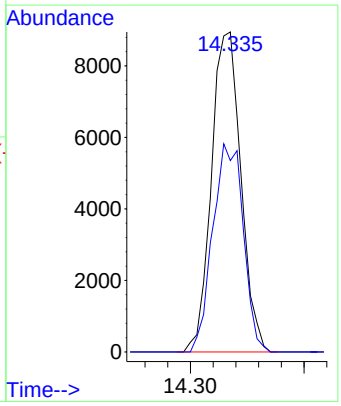


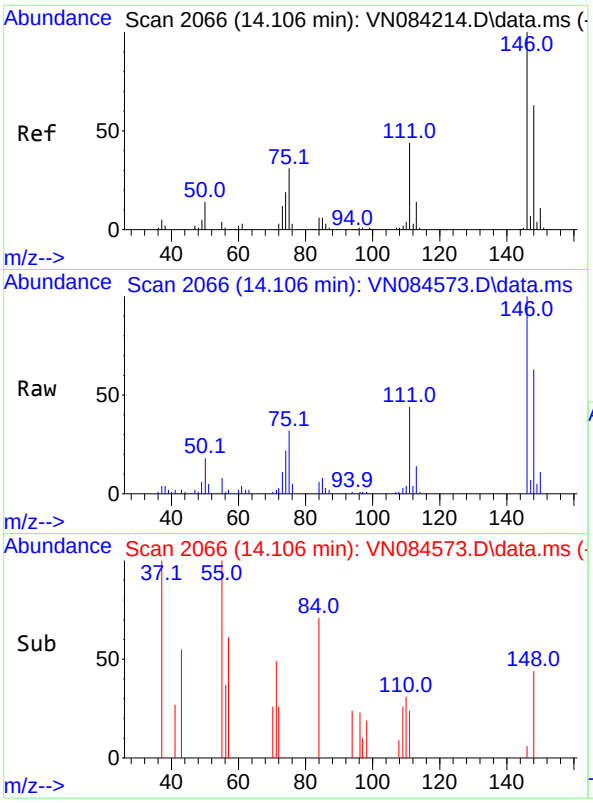


#90
Hexachloroethane
Concen: 10.194 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:117 Resp: 16100

Ion	Ratio	Lower	Upper
117	100		
201	67.4	34.4	103.2



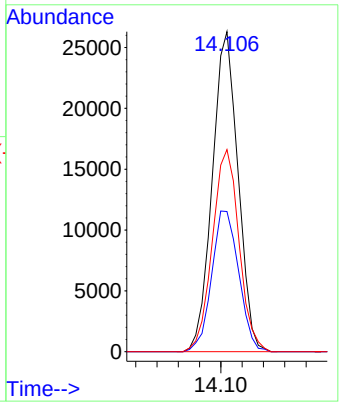


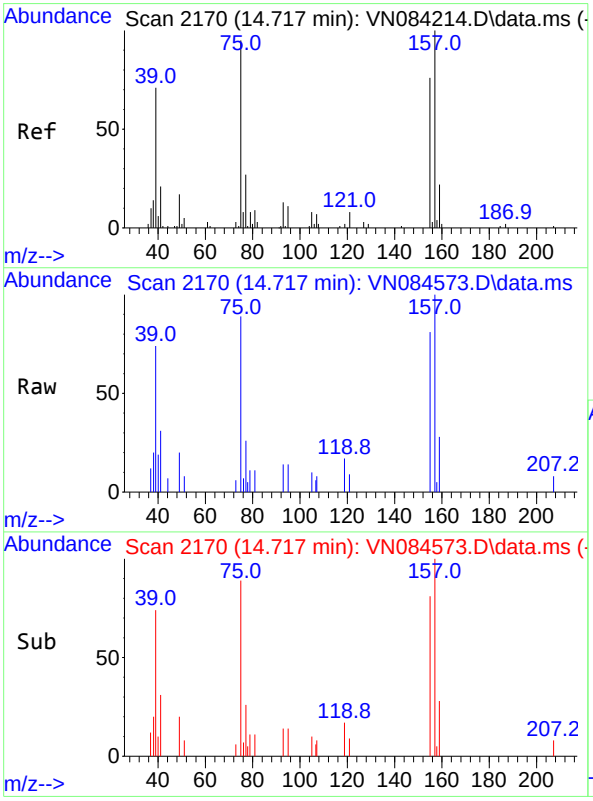
#91
1,2-Dichlorobenzene
Concen: 9.805 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 44055

Ion	Ratio	Lower	Upper
146	100		
111	46.3	22.0	66.0
148	65.6	32.1	96.3

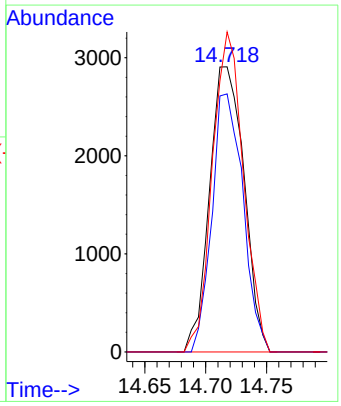


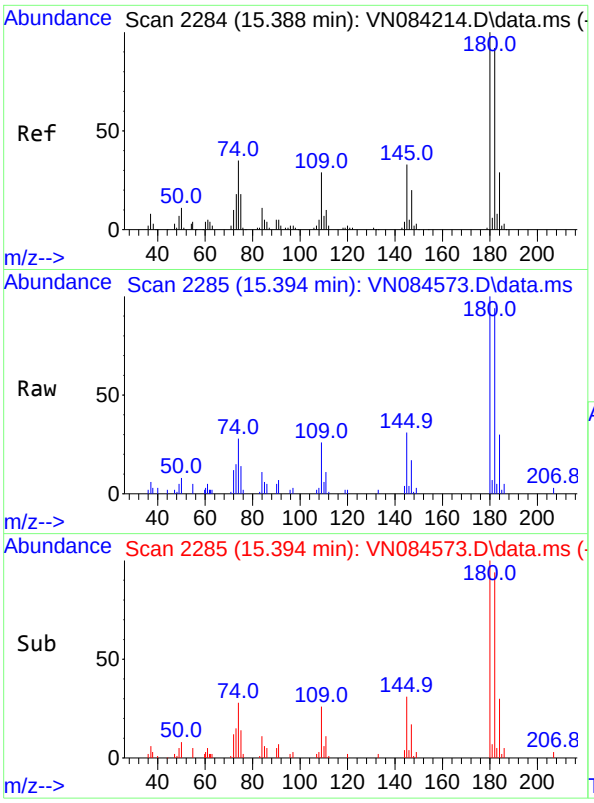


#92
1,2-Dibromo-3-Chloropropane
Concen: 9.531 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 75 Resp: 5744

Ion	Ratio	Lower	Upper
75	100		
155	81.3	38.1	114.5
157	101.0	49.6	149.0



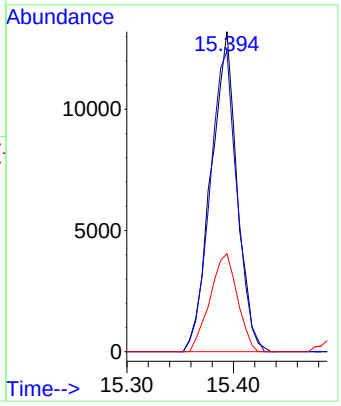


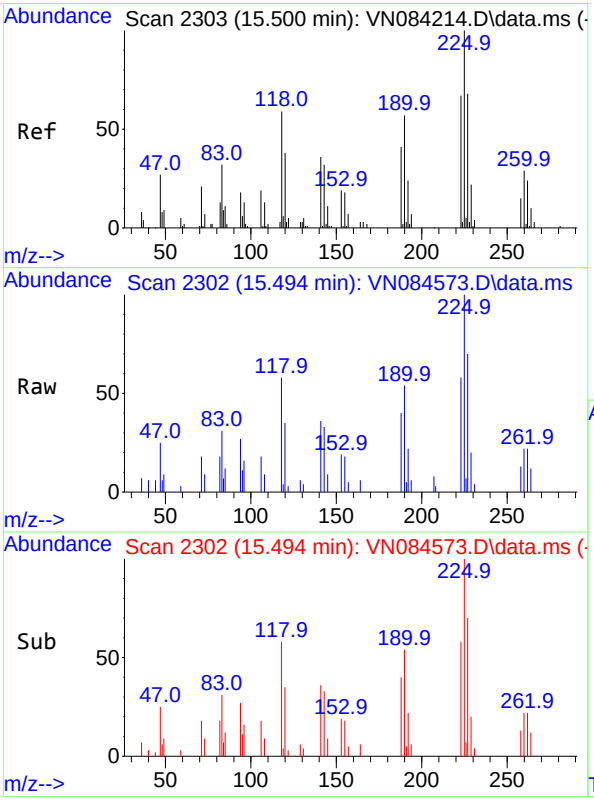
#93
1,2,4-Trichlorobenzene
Concen: 9.114 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:180 Resp: 22413

Ion	Ratio	Lower	Upper
180	100		
182	97.6	47.0	141.0
145	32.1	16.4	49.4

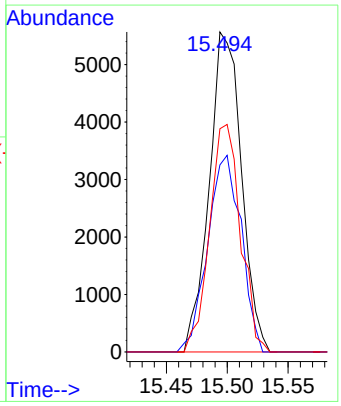


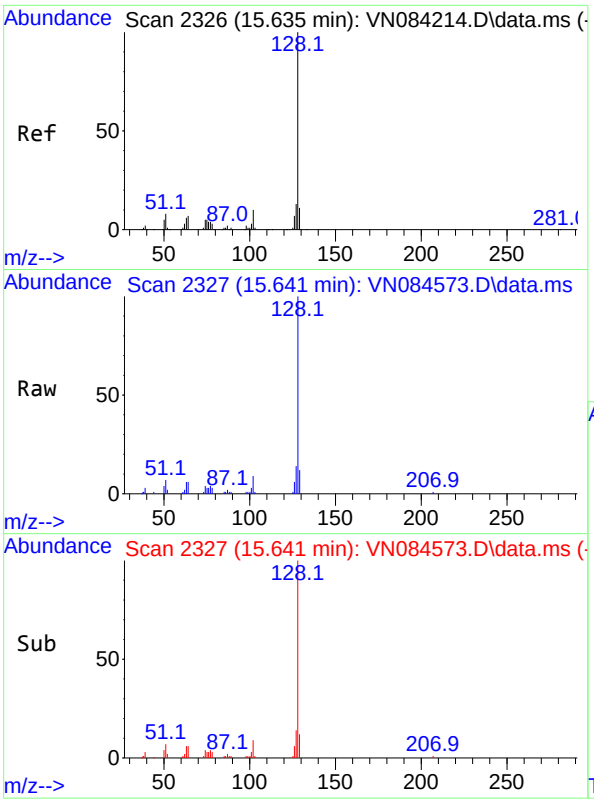


#94
Hexachlorobutadiene
Concen: 9.503 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:225 Resp: 10263

Ion	Ratio	Lower	Upper
225	100		
223	63.8	32.4	97.2
227	68.2	32.4	97.0



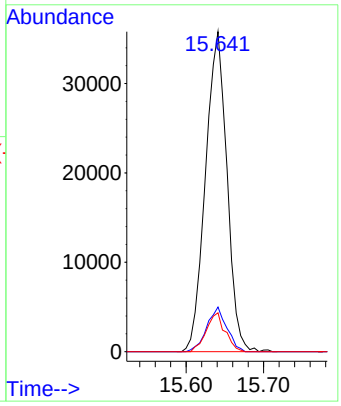


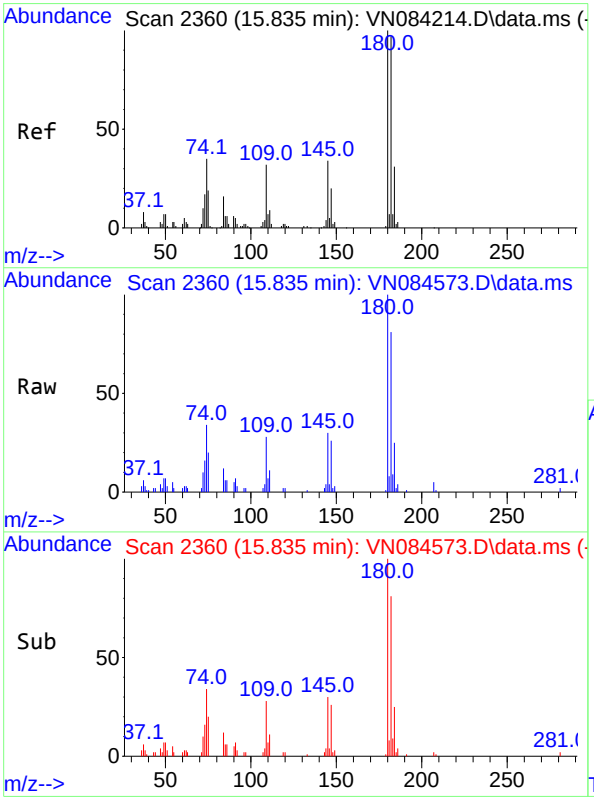
#95
Naphthalene
Concen: 9.363 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:128 Resp: 68919

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.7	8.7	13.1

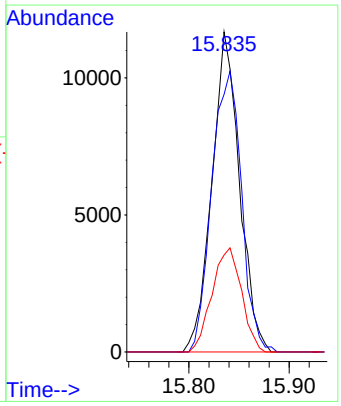




#96
1,2,3-Trichlorobenzene
Concen: 9.342 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:180 Resp: 22303

Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.2	144.6
145	34.7	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	171598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	297777	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	254342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	118229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	13227	5.337	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 10.680%#			
35) Dibromofluoromethane	8.165	113	10512	5.215	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 10.440%#			
50) Toluene-d8	10.565	98	36225	4.879	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 9.760%#			
62) 4-Bromofluorobenzene	12.847	95	13506	4.867	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 9.740%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	10192	5.167	ug/l	93
3) Chloromethane	2.360	50	17076	5.115	ug/l	97
4) Vinyl Chloride	2.513	62	11174	5.267	ug/l	96
5) Bromomethane	2.901	94	6944	6.177	ug/l	98
6) Chloroethane	3.060	64	8146	4.946	ug/l	98
7) Trichlorofluoromethane	3.460	101	18362	5.254	ug/l	98
8) Diethyl Ether	3.954	74	6372	5.168	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.348	101	10090	5.109	ug/l	99
10) Methyl Iodide	4.571	142	14021	5.312	ug/l #	96
11) Tert butyl alcohol	5.536	59	10153	31.035	ug/l #	87
12) 1,1-Dichloroethene	4.324	96	9474	4.848	ug/l	91
13) Acrolein	4.183	56	8890	27.251	ug/l	97
14) Allyl chloride	5.012	41	16771	5.292	ug/l	94
15) Acrylonitrile	5.724	53	25212	26.621	ug/l	99
16) Acetone	4.430	43	20706	26.370	ug/l	91
17) Carbon Disulfide	4.689	76	30614	5.087	ug/l #	86
18) Methyl Acetate	5.030	43	21727	4.691	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	30655	5.118	ug/l #	89
20) Methylene Chloride	5.265	84	12258	5.623	ug/l	91
21) trans-1,2-Dichloroethene	5.771	96	10024	4.996	ug/l	94
22) Diisopropyl ether	6.671	45	31631	5.023	ug/l	93
23) Vinyl Acetate	6.601	43	111267	25.622	ug/l	98
24) 1,1-Dichloroethane	6.559	63	20644	5.460	ug/l	96
25) 2-Butanone	7.489	43	31742	27.452	ug/l	97
26) 2,2-Dichloropropane	7.483	77	16462	5.003	ug/l	94
27) cis-1,2-Dichloroethene	7.483	96	12105	5.167	ug/l	98
28) Bromochloromethane	7.806	49	7002	4.649	ug/l #	91
29) Tetrahydrofuran	7.842	42	20240	26.385	ug/l	99
30) Chloroform	7.959	83	20974	5.451	ug/l	92
31) Cyclohexane	8.253	56	18750	5.480	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	17717	5.059	ug/l	97
36) 1,1-Dichloropropene	8.371	75	14193	5.077	ug/l	99
37) Ethyl Acetate	7.559	43	13884	5.474	ug/l #	94
38) Carbon Tetrachloride	8.353	117	15977	5.113	ug/l	96
39) Methylcyclohexane	9.600	83	13624	4.791	ug/l	95
40) Benzene	8.600	78	46044	5.129	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	7091	5.199	ug/l		97
42) 1,2-Dichloroethane	8.665	62	14972	5.150	ug/l		98
43) Isopropyl Acetate	8.689	43	30044	5.554	ug/l	#	90
44) Trichloroethene	9.347	130	10168	4.911	ug/l		89
45) 1,2-Dichloropropane	9.618	63	11095	5.269	ug/l		97
46) Dibromomethane	9.706	93	7752	5.217	ug/l		97
47) Bromodichloromethane	9.889	83	15749	5.028	ug/l	#	98
48) Methyl methacrylate	9.677	41	9971	5.051	ug/l		97
49) 1,4-Dioxane	9.700	88	3729	106.609	ug/l		95
51) 4-Methyl-2-Pentanone	10.447	43	61332	25.367	ug/l		100
52) Toluene	10.630	92	26518	5.051	ug/l		99
53) t-1,3-Dichloropropene	10.836	75	16279	5.021	ug/l		93
54) cis-1,3-Dichloropropene	10.312	75	17395	5.069	ug/l		96
55) 1,1,2-Trichloroethane	11.018	97	10193	5.154	ug/l		93
56) Ethyl methacrylate	10.871	69	13362	4.671	ug/l		94
57) 1,3-Dichloropropane	11.165	76	17816	5.249	ug/l		96
58) 2-Chloroethyl Vinyl ether	10.159	63	30088	22.477	ug/l		98
59) 2-Hexanone	11.194	43	43750	24.860	ug/l		97
60) Dibromochloromethane	11.359	129	11226	4.980	ug/l		96
61) 1,2-Dibromoethane	11.471	107	10584	5.226	ug/l		97
64) Tetrachloroethene	11.100	164	8917	5.271	ug/l	#	87
65) Chlorobenzene	11.888	112	29618	5.205	ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.959	131	10265	5.186	ug/l		99
67) Ethyl Benzene	11.965	91	47037	4.952	ug/l		98
68) m/p-Xylenes	12.065	106	34753	9.665	ug/l		100
69) o-Xylene	12.394	106	16393	4.873	ug/l		99
70) Styrene	12.412	104	27807	4.739	ug/l		98
71) Bromoform	12.577	173	7686	5.161	ug/l	#	95
73) Isopropylbenzene	12.694	105	40223	4.855	ug/l		99
74) N-amyl acetate	12.494	43	18583	5.270	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	15573	5.631	ug/l		97
76) 1,2,3-Trichloropropane	12.994	75	18713	8.021	ug/l		59
77) Bromobenzene	12.983	156	11012	4.944	ug/l		98
78) n-propylbenzene	13.035	91	47776	4.921	ug/l		99
79) 2-Chlorotoluene	13.124	91	32460	5.117	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	32685	4.760	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.730	75	5096	5.116	ug/l		93
82) 4-Chlorotoluene	13.218	91	33672	5.044	ug/l		98
83) tert-Butylbenzene	13.435	119	26850	4.724	ug/l		95
84) 1,2,4-Trimethylbenzene	13.483	105	32703	4.614	ug/l		100
85) sec-Butylbenzene	13.612	105	37187	4.632	ug/l		97
86) p-Isopropyltoluene	13.730	119	29767	4.521	ug/l		97
87) 1,3-Dichlorobenzene	13.730	146	22272	5.124	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	22213	4.741	ug/l		91
89) n-Butylbenzene	14.053	91	29010	4.710	ug/l		99
90) Hexachloroethane	14.335	117	7404	5.043	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	22221	5.320	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.718	75	3239	5.781	ug/l		93
93) 1,2,4-Trichlorobenzene	15.394	180	11298	4.942	ug/l		99
94) Hexachlorobutadiene	15.500	225	5184	5.163	ug/l		96
95) Naphthalene	15.641	128	32966	4.817	ug/l		98
96) 1,2,3-Trichlorobenzene	15.835	180	11106	5.004	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

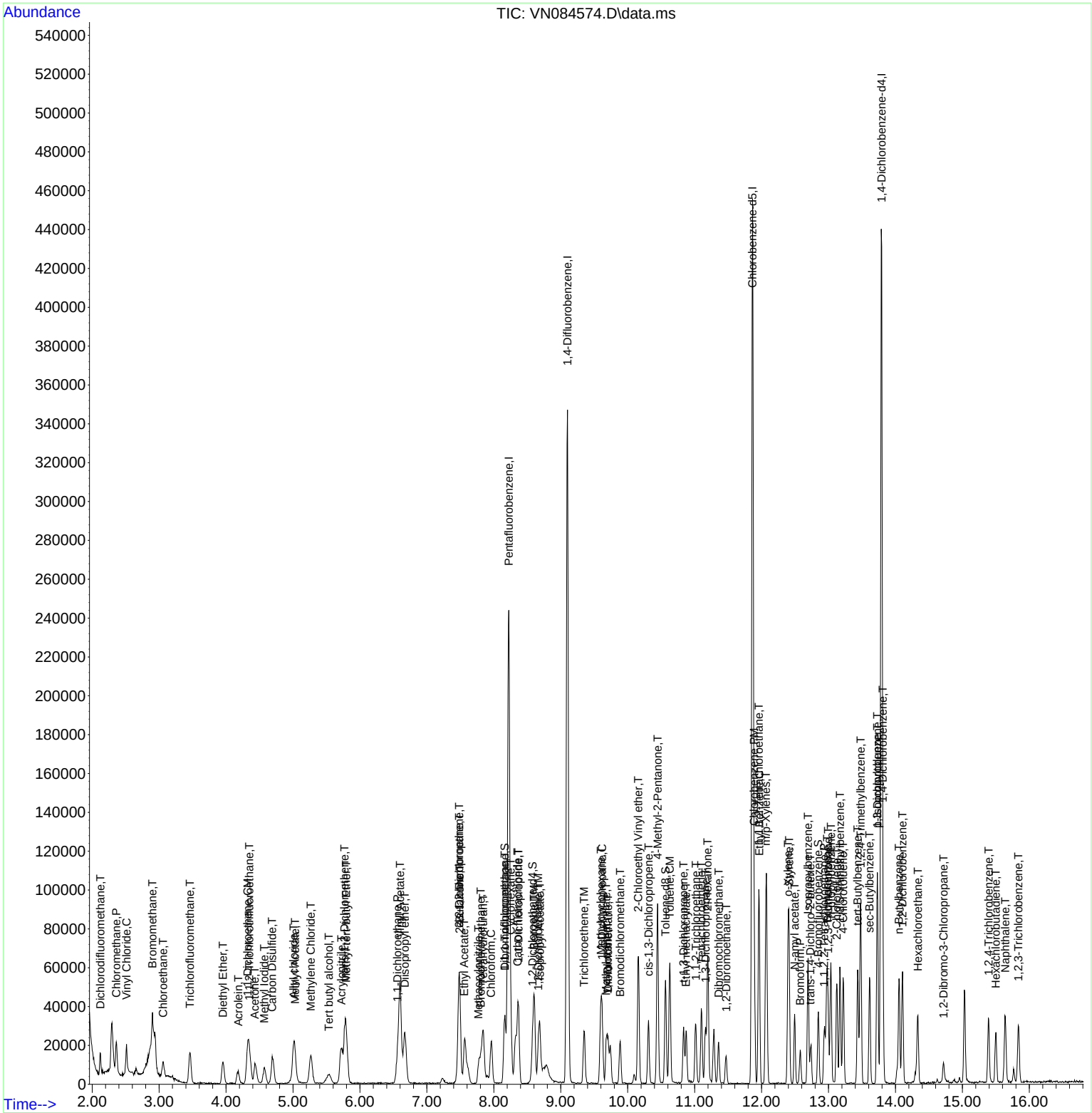
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

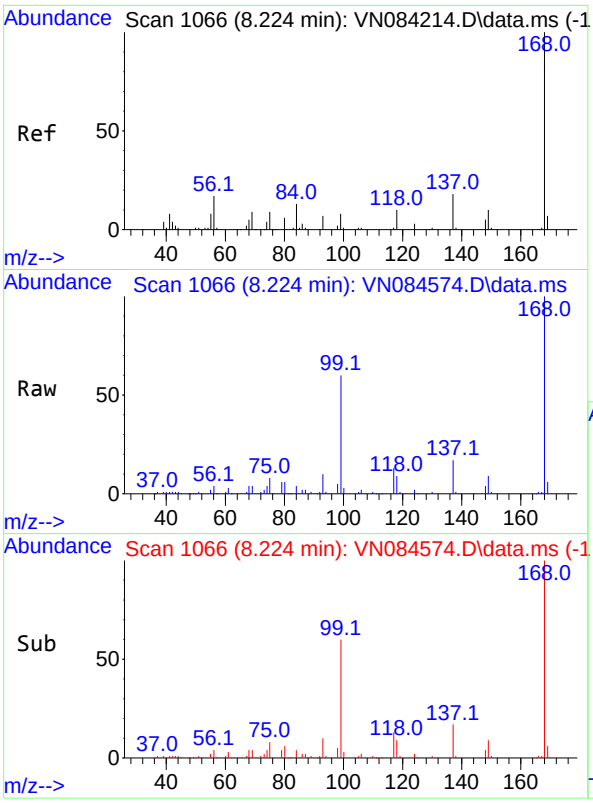
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration



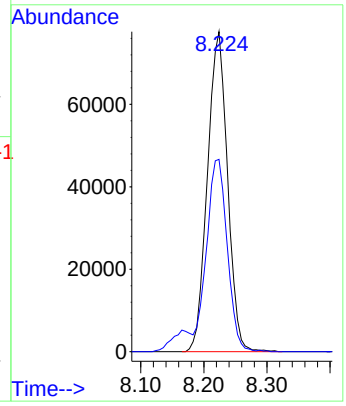


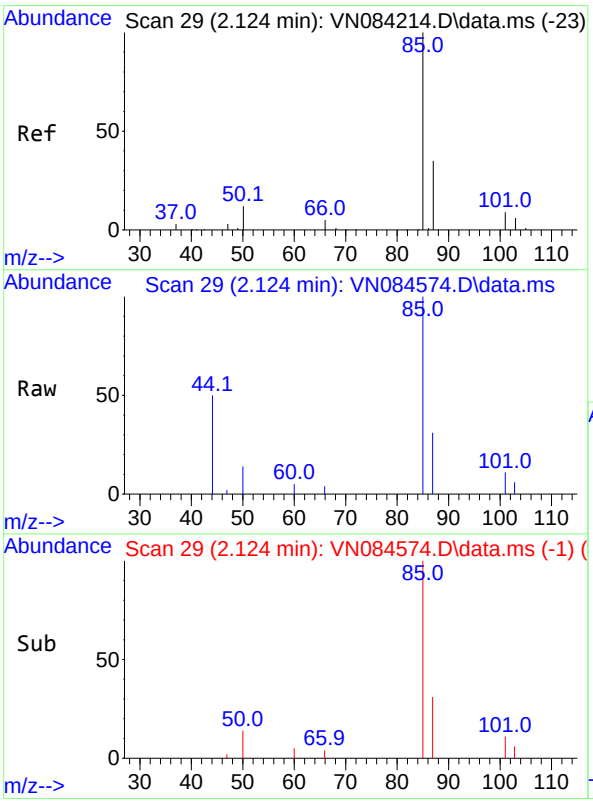
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 171598

Ion	Ratio	Lower	Upper
168	100		
99	60.1	54.2	81.2

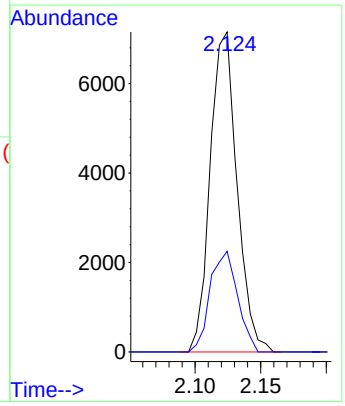


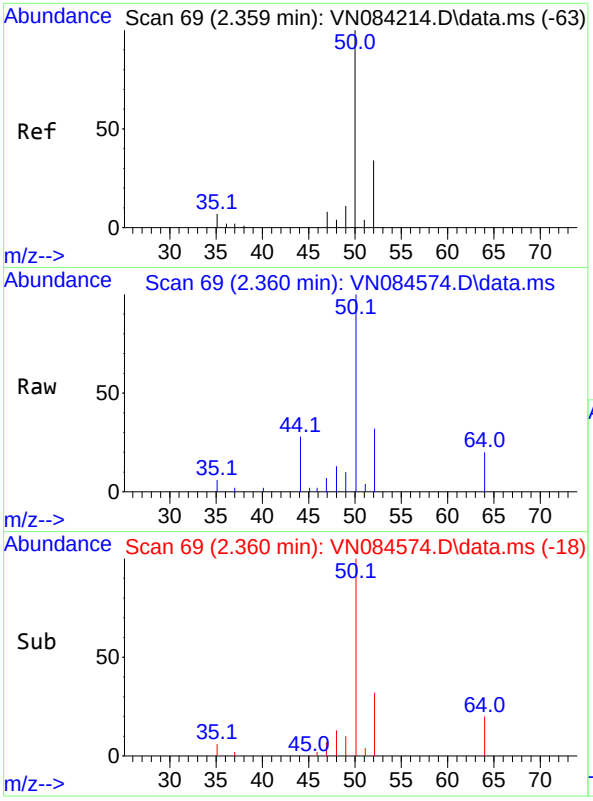


#2
Dichlorodifluoromethane
Concen: 5.167 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 85 Resp: 10192

Ion	Ratio	Lower	Upper
85	100		
87	31.5	17.6	52.9



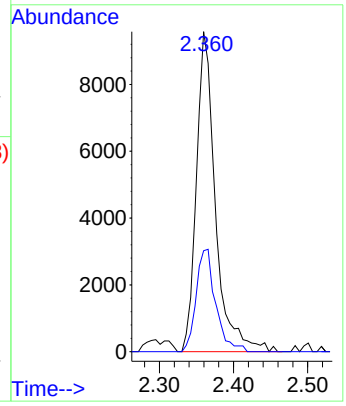


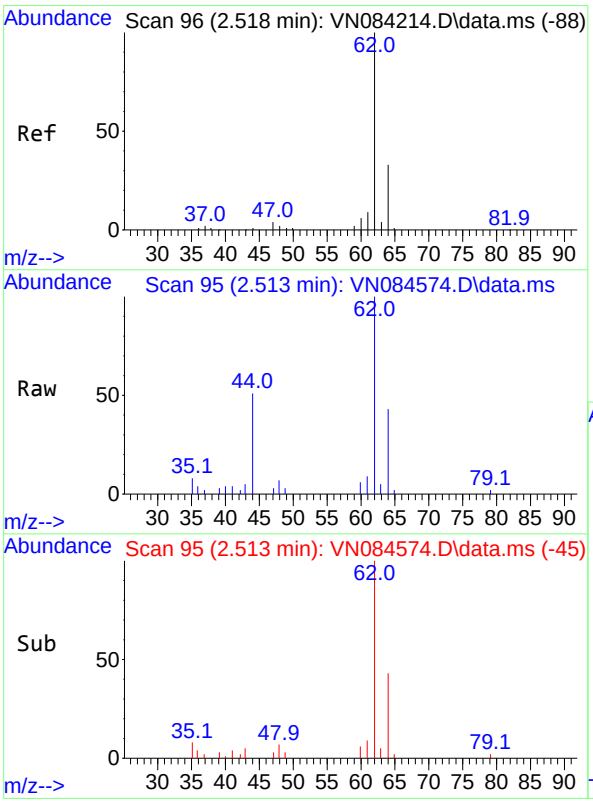
#3
Chloromethane
Concen: 5.115 ug/l
RT: 2.360 min Scan# 6
Delta R.T. 0.001 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 17076

Ion	Ratio	Lower	Upper
50	100		
52	31.6	26.8	40.2

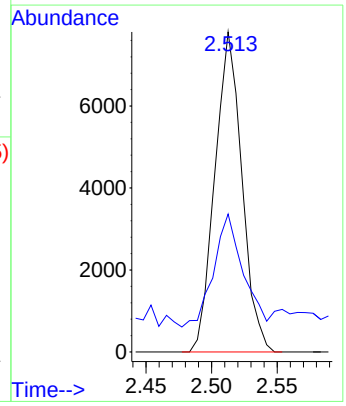


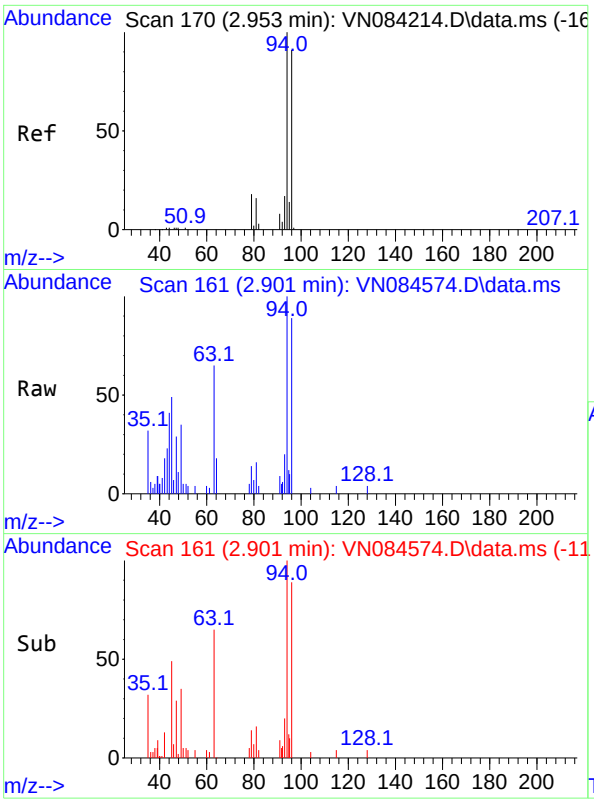


#4
Vinyl Chloride
Concen: 5.267 ug/l
RT: 2.513 min Scan# 95
Delta R.T. -0.005 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 62 Resp: 11174

Ion	Ratio	Lower	Upper
62	100		
64	35.3	26.2	39.4



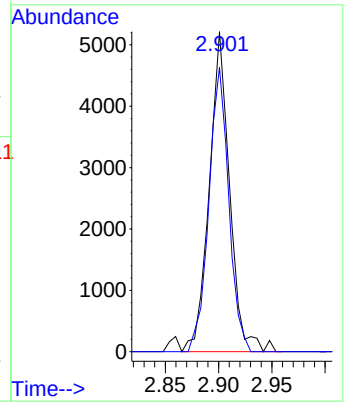


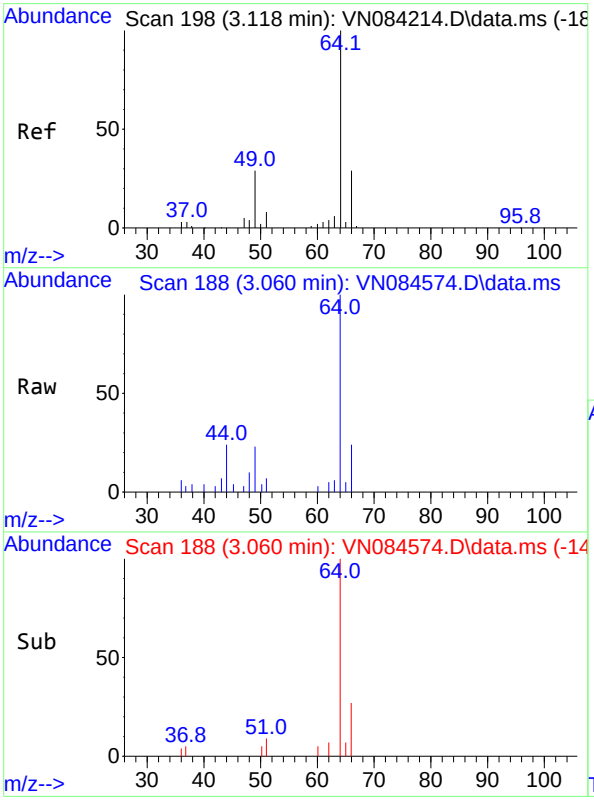
#5
Bromomethane
Concen: 6.177 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.052 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 6944

Ion	Ratio	Lower	Upper
94	100		
96	88.8	72.9	109.3

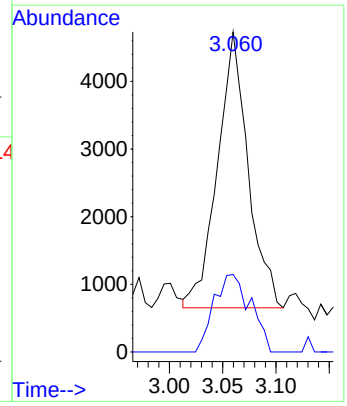


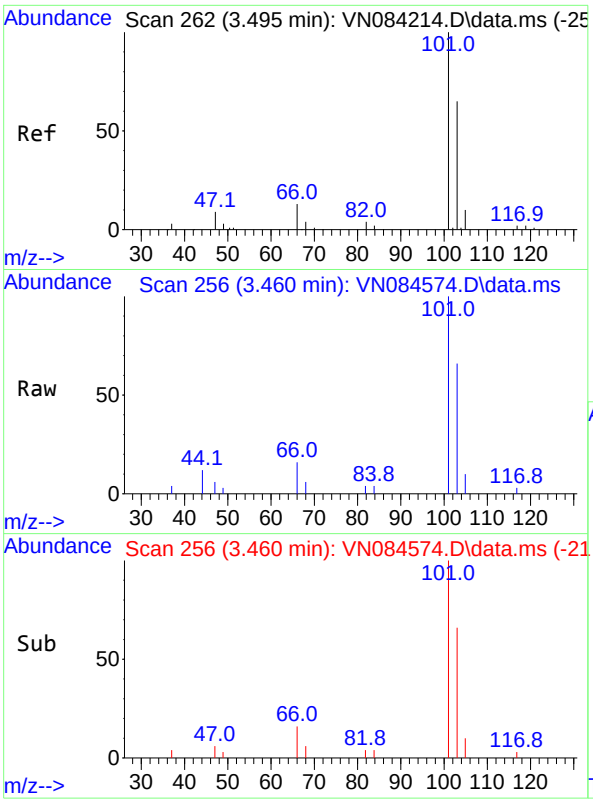


#6
Chloroethane
Concen: 4.946 ug/l
RT: 3.060 min Scan# 188
Delta R.T. -0.058 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 64 Resp: 8146

Ion	Ratio	Lower	Upper
64	100		
66	28.1	23.5	35.3



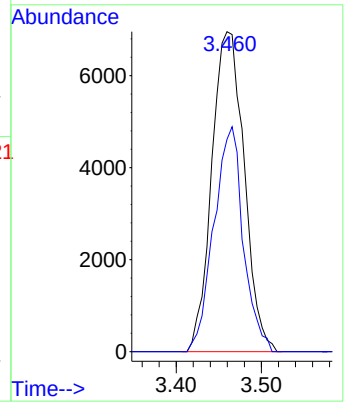


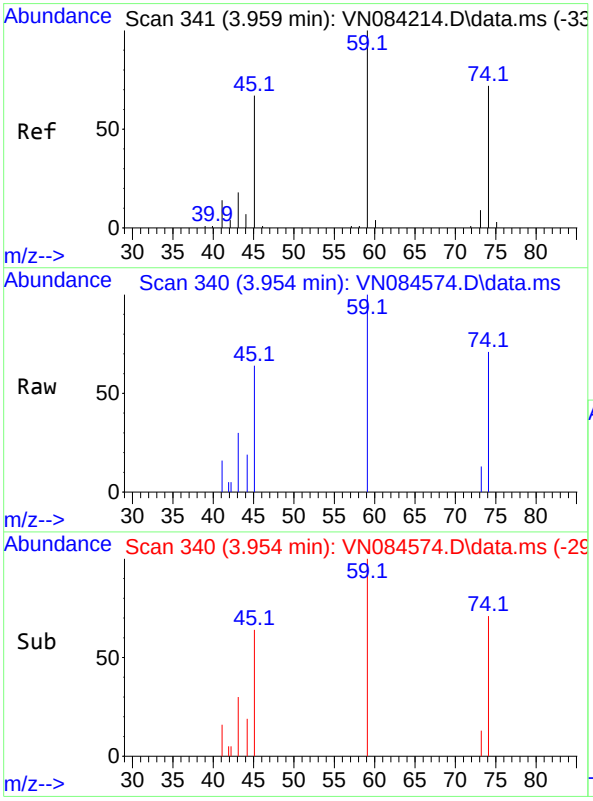
#7
Trichlorofluoromethane
Concen: 5.254 ug/l
RT: 3.460 min Scan# 2
Delta R.T. -0.035 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 18362

Ion	Ratio	Lower	Upper
101	100		
103	66.4	51.8	77.6

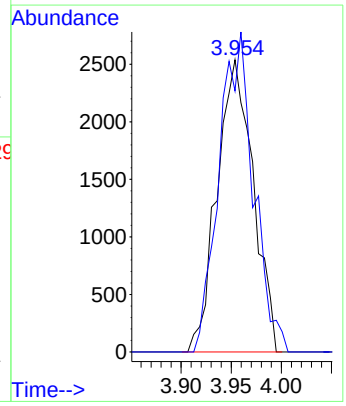


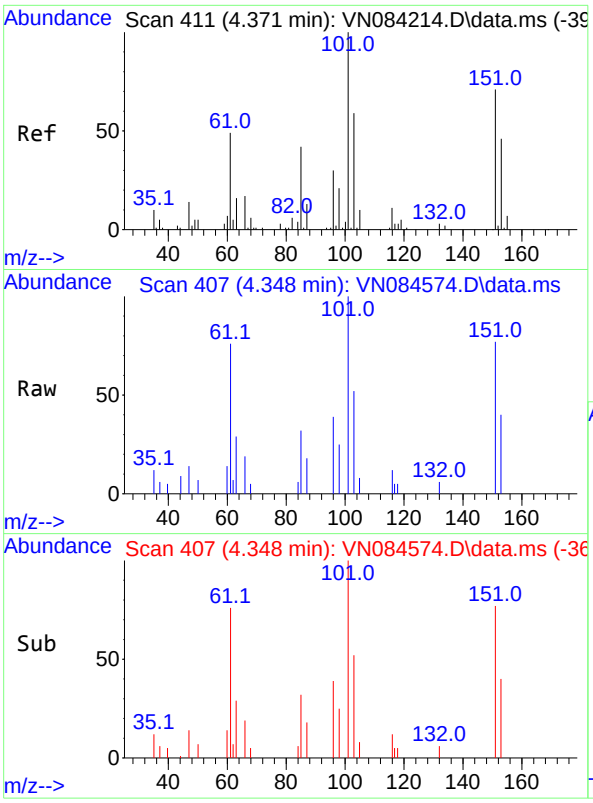


#8
Diethyl Ether
Concen: 5.168 ug/l
RT: 3.954 min Scan# 340
Delta R.T. -0.005 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 74 Resp: 6372

Ion	Ratio	Lower	Upper
74	100		
45	104.5	47.7	143.1



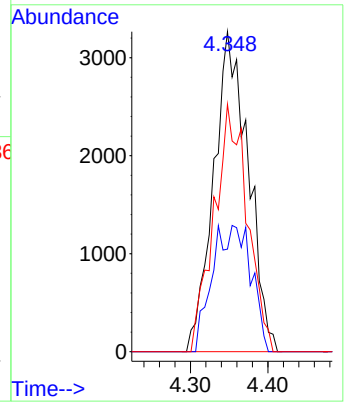


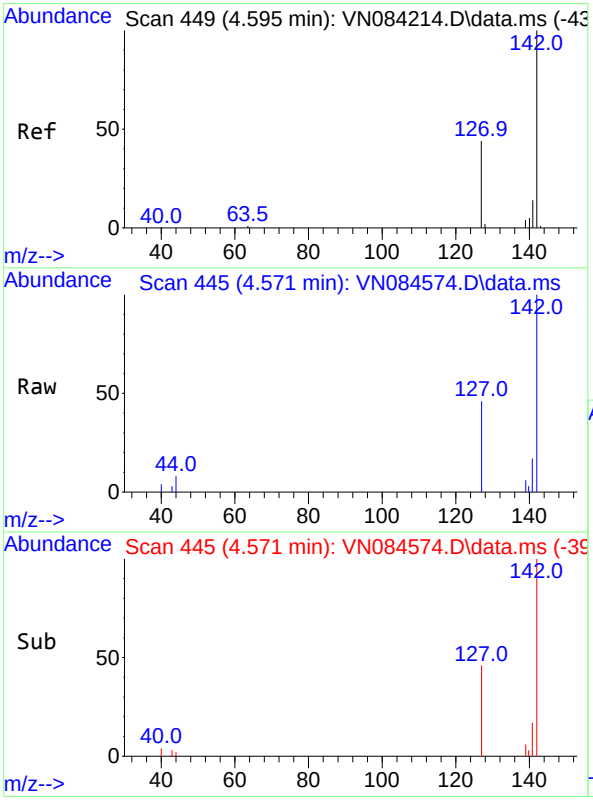
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.109 ug/l
RT: 4.348 min Scan# 4(
Delta R.T. -0.023 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 10090

Ion	Ratio	Lower	Upper
101	100		
85	44.4	36.2	54.4
151	74.7	59.3	88.9

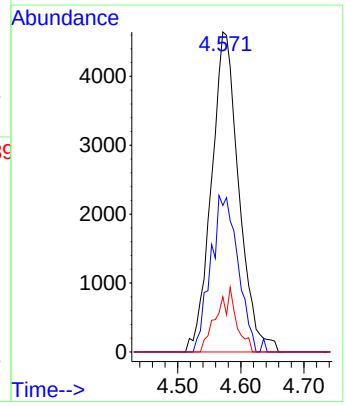


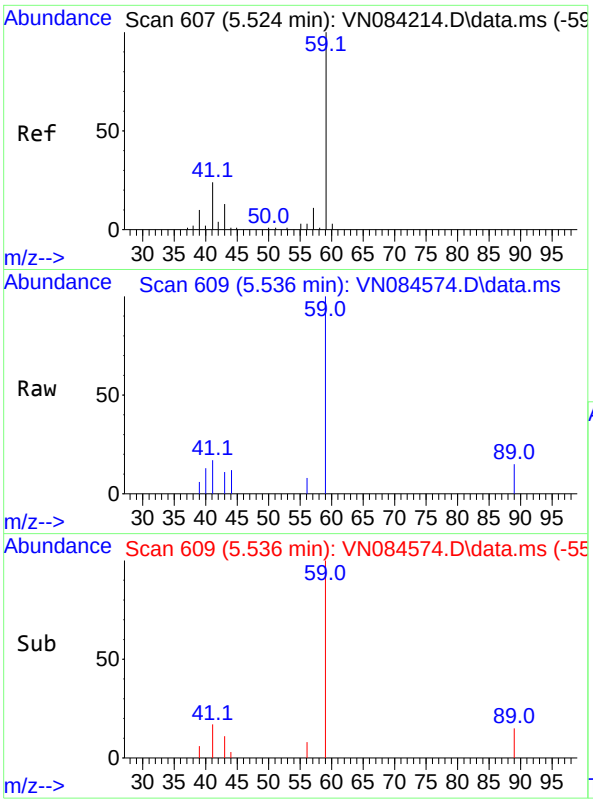


#10
Methyl Iodide
Concen: 5.312 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.023 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:142 Resp: 14021

Ion	Ratio	Lower	Upper
142	100		
127	45.8	35.3	52.9
141	17.3	11.0	16.6#



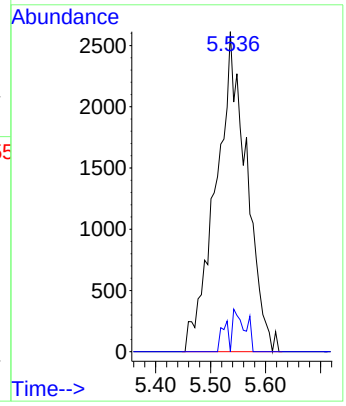


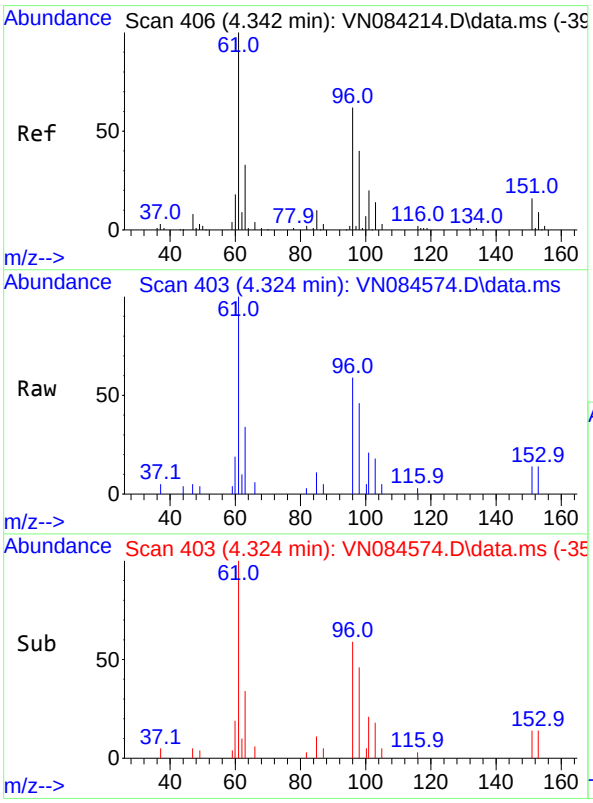
#11
Tert butyl alcohol
Concen: 31.035 ug/l
RT: 5.536 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 10153

Ion	Ratio	Lower	Upper
59	100		
57	5.4	8.2	12.2#

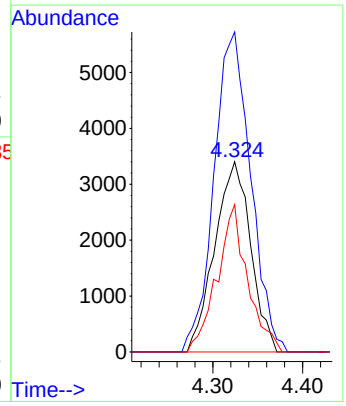


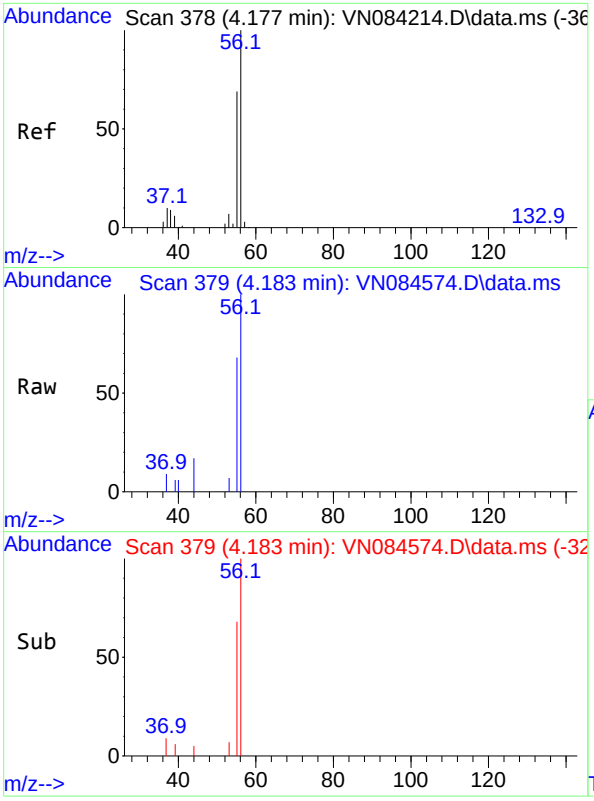


#12
1,1-Dichloroethene
Concen: 4.848 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.017 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 96 Resp: 9474

Ion	Ratio	Lower	Upper
96	100		
61	168.2	128.6	192.8
98	77.5	51.7	77.5



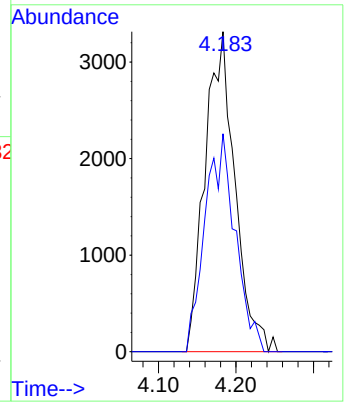


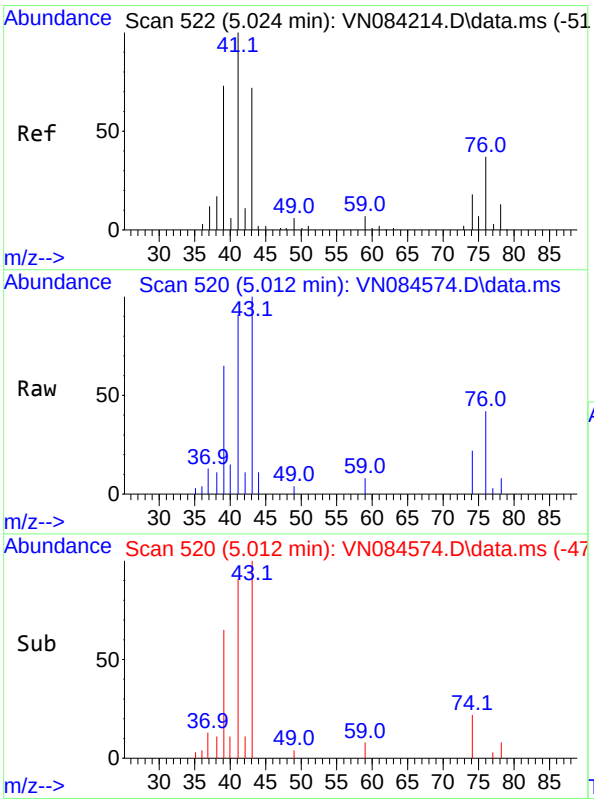
#13
Acrolein
Concen: 27.251 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 8890

Ion	Ratio	Lower	Upper
56	100		
55	68.6	57.2	85.8

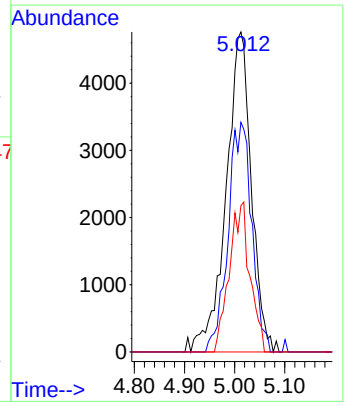


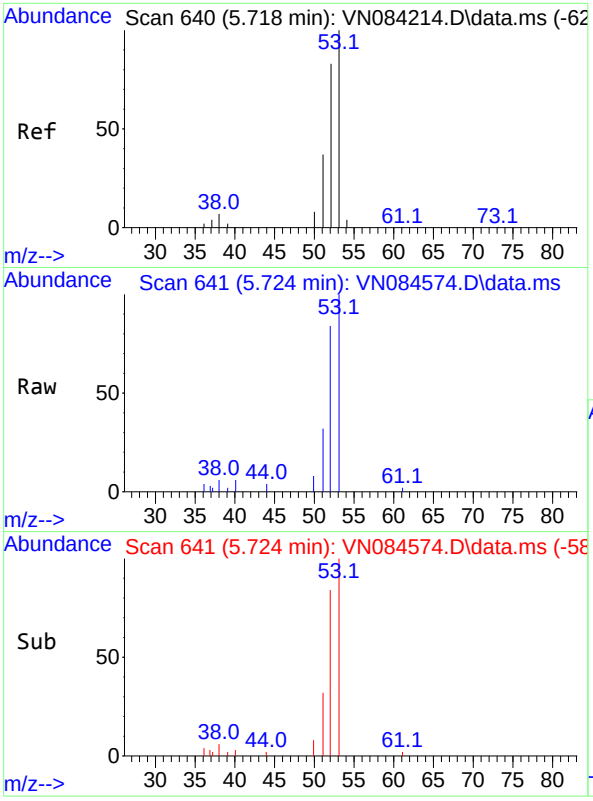


#14
Allyl chloride
Concen: 5.292 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 41 Resp: 16771

Ion	Ratio	Lower	Upper
41	100		
39	67.1	59.0	88.6
76	38.0	29.8	44.6



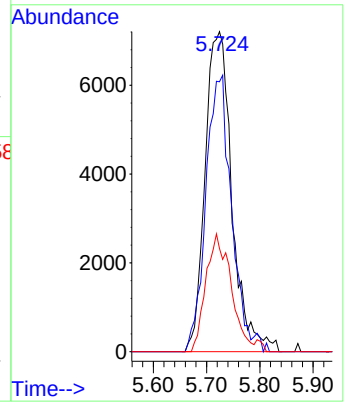


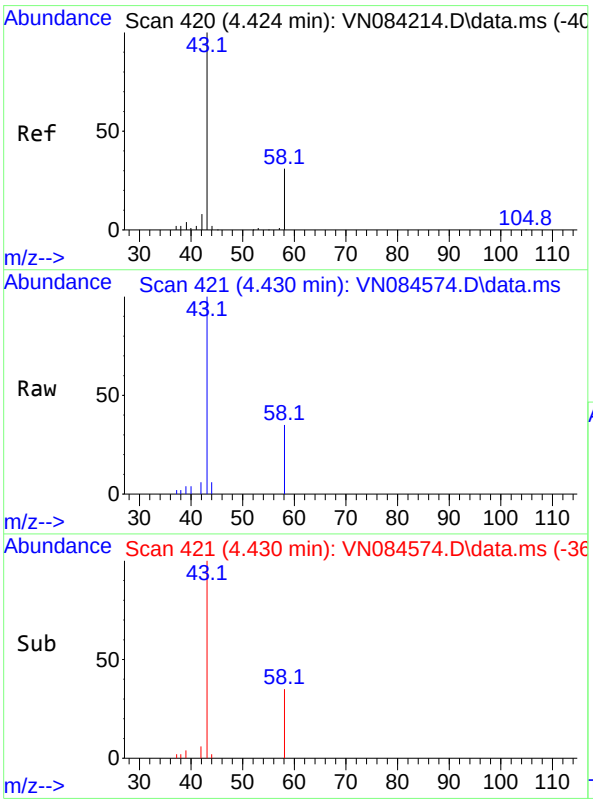
#15
Acrylonitrile
Concen: 26.621 ug/l
RT: 5.724 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 25212

Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.2	99.4
51	34.6	28.8	43.2

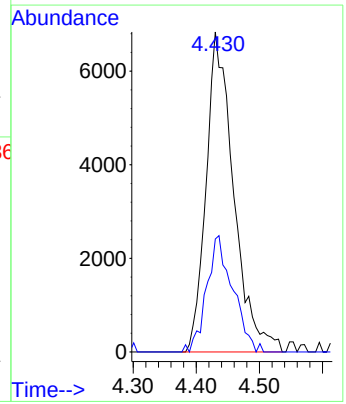


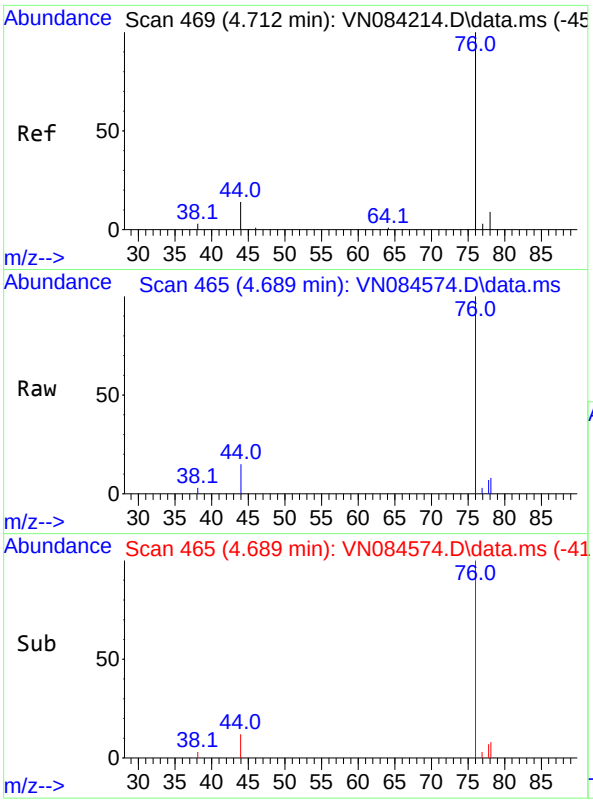


#16
Acetone
Concen: 26.370 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 43 Resp: 20706

Ion	Ratio	Lower	Upper
43	100		
58	35.3	24.4	36.6



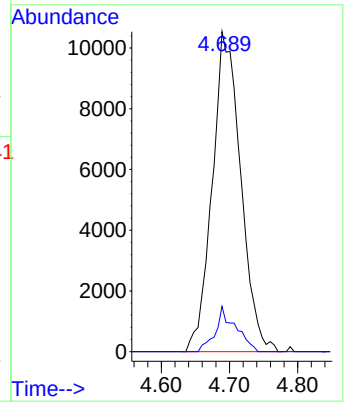


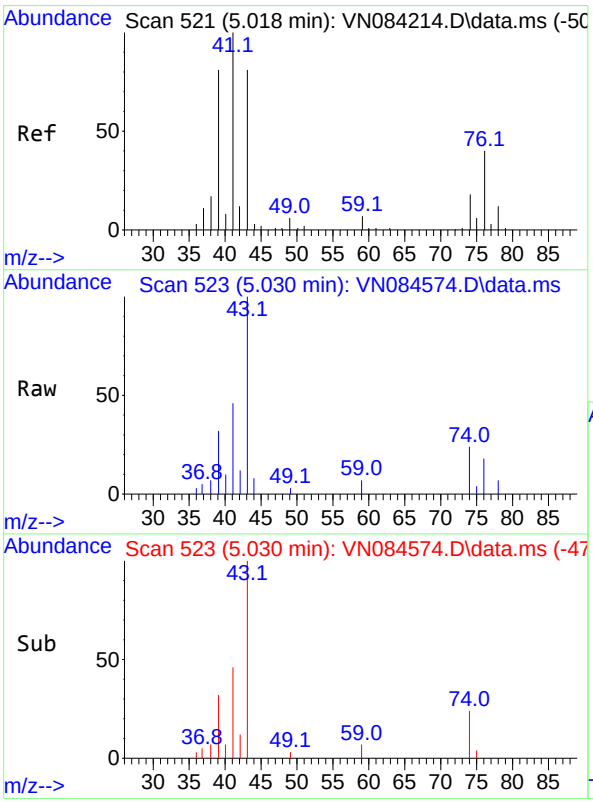
#17
Carbon Disulfide
Concen: 5.087 ug/l
RT: 4.689 min Scan# 4
Delta R.T. -0.023 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 30614

Ion	Ratio	Lower	Upper
76	100		
78	14.2	7.3	10.9#

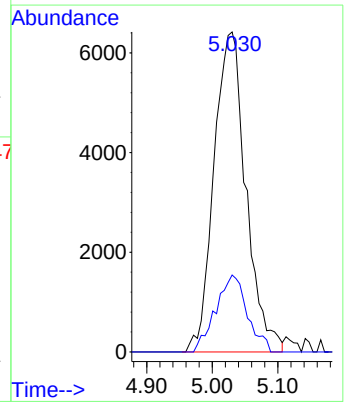


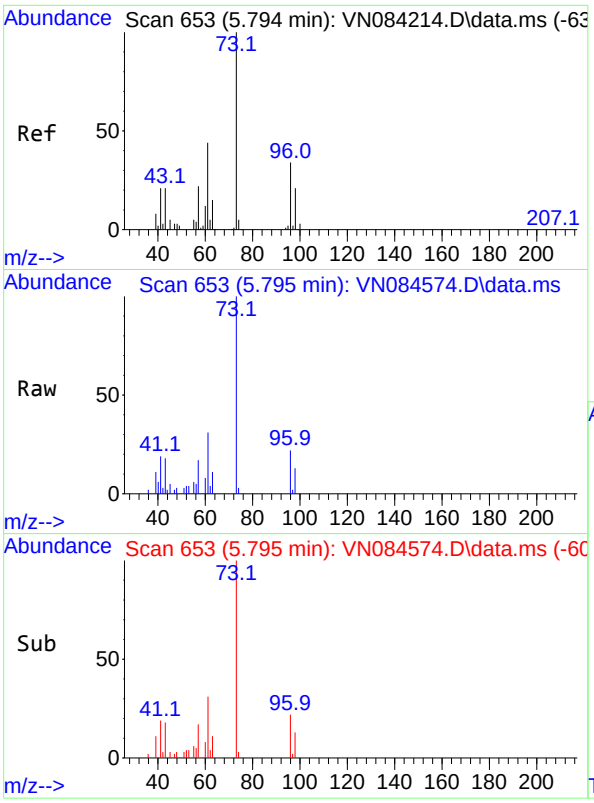


#18
Methyl Acetate
Concen: 4.691 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 43 Resp: 21727

Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.2	28.8



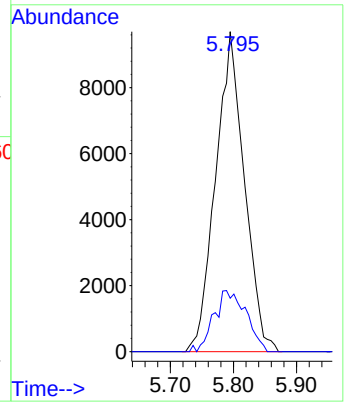


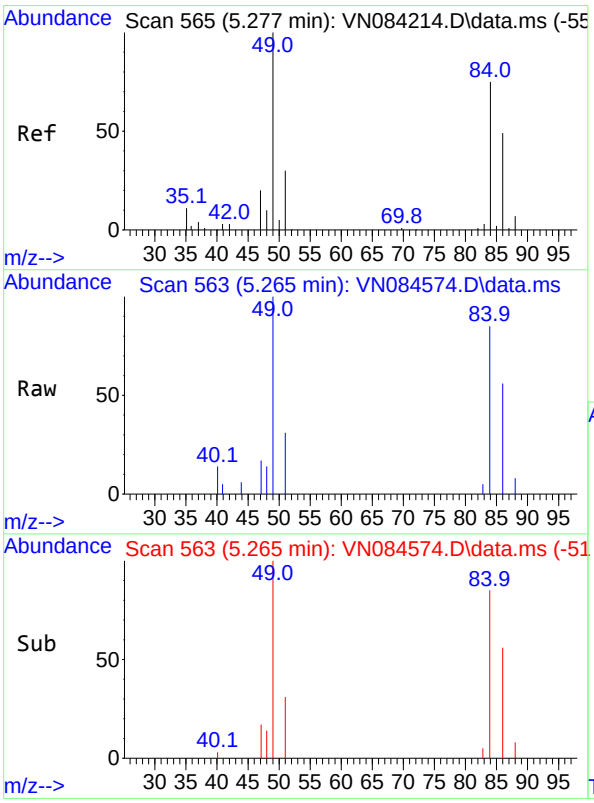
#19
Methyl tert-butyl Ether
Concen: 5.118 ug/l
RT: 5.795 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 30655

Ion	Ratio	Lower	Upper
73	100		
57	16.7	17.7	26.5#

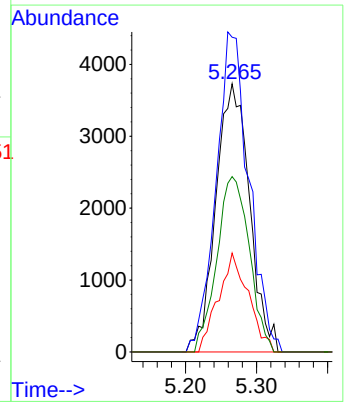


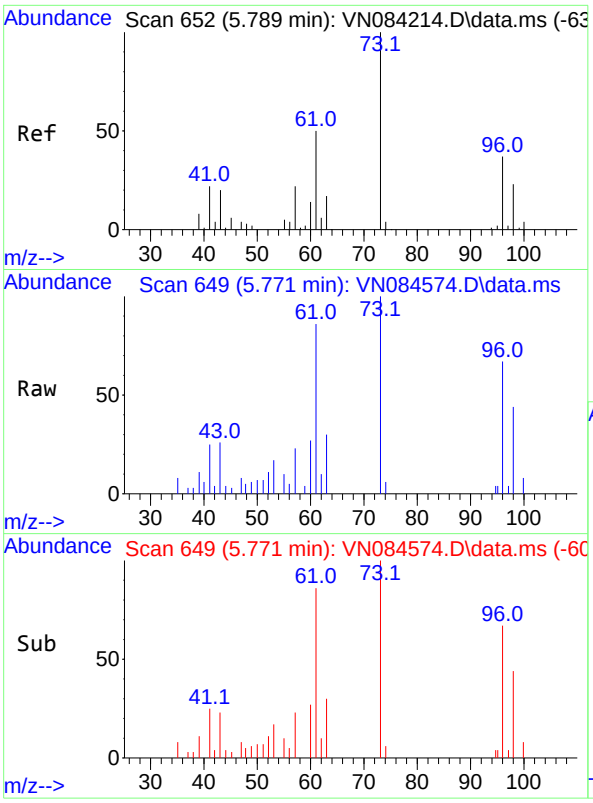


#20
Methylene Chloride
Concen: 5.623 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 84 Resp: 12258

Ion	Ratio	Lower	Upper
84	100		
49	117.4	107.2	160.8
51	36.9	31.8	47.8
86	65.4	52.9	79.3



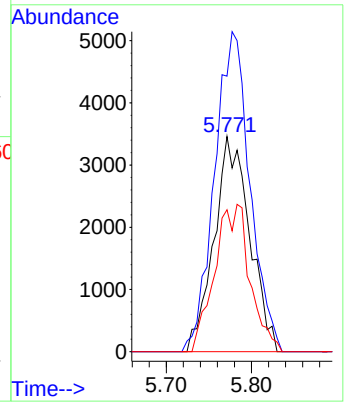


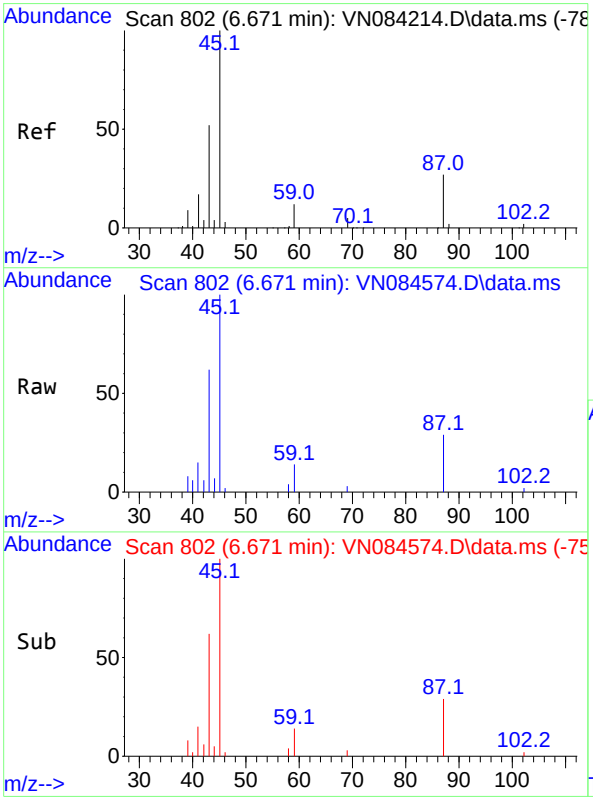
#21
trans-1,2-Dichloroethene
Concen: 4.996 ug/l
RT: 5.771 min Scan# 64
Delta R.T. -0.017 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 10024

Ion	Ratio	Lower	Upper
96	100		
61	128.0	108.4	162.6
98	66.0	49.8	74.8

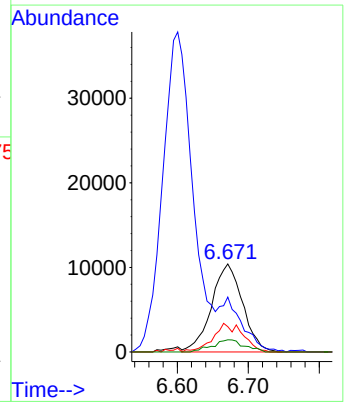


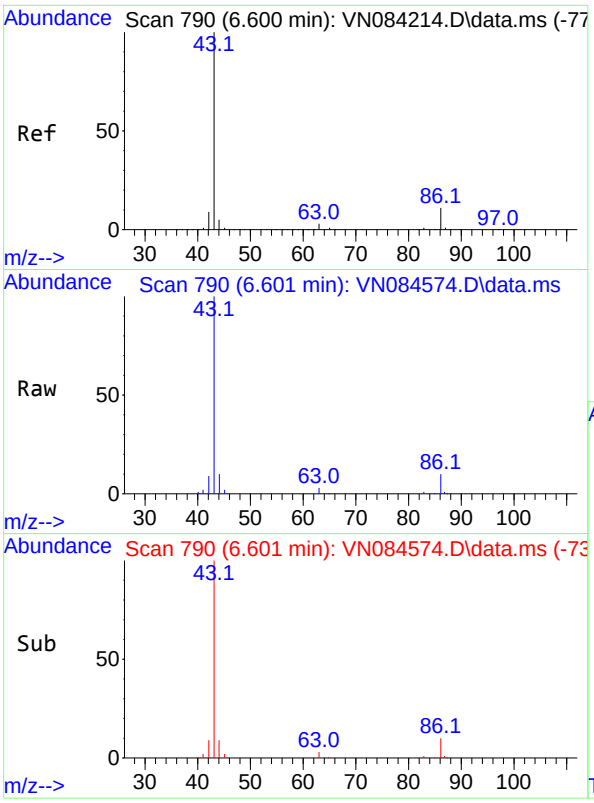


#22
Diisopropyl ether
Concen: 5.023 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 45 Resp: 31631

Ion	Ratio	Lower	Upper
45	100		
43	60.3	42.3	63.5
87	28.8	21.8	32.6
59	13.8	9.6	14.4



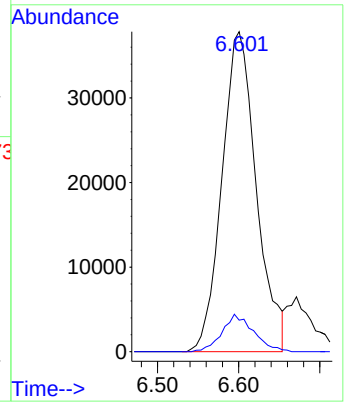


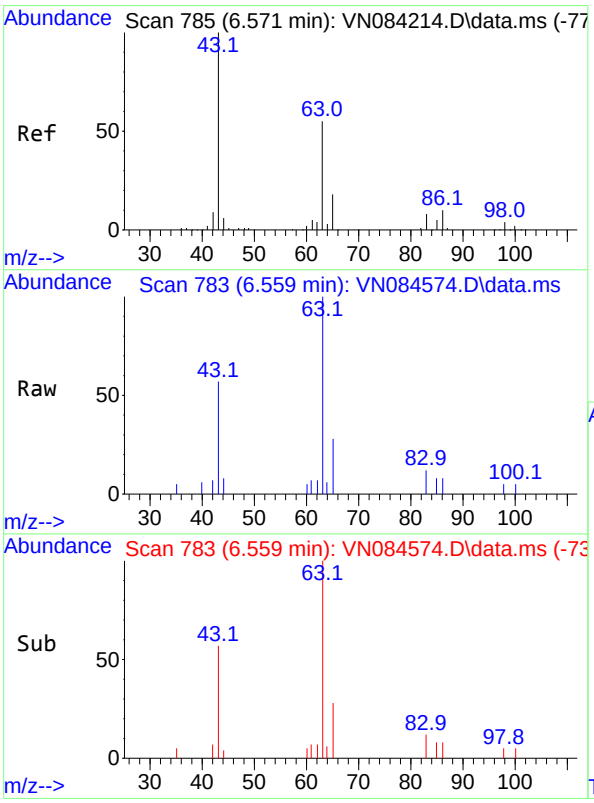
#23
Vinyl Acetate
Concen: 25.622 ug/l
RT: 6.601 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 111267

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.6	12.8

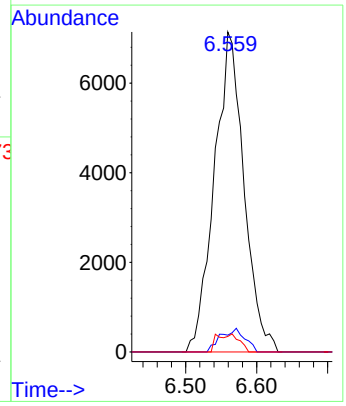


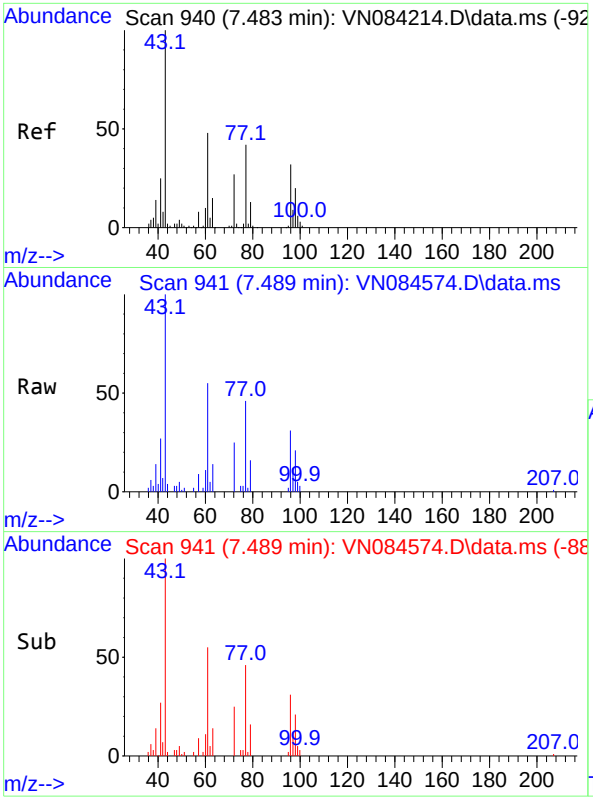


#24
1,1-Dichloroethane
Concen: 5.460 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.011 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 63 Resp: 20644

Ion	Ratio	Lower	Upper
63	100		
98	5.3	3.4	10.2
100	4.9	2.0	5.8



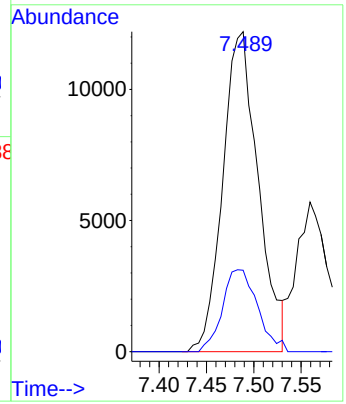


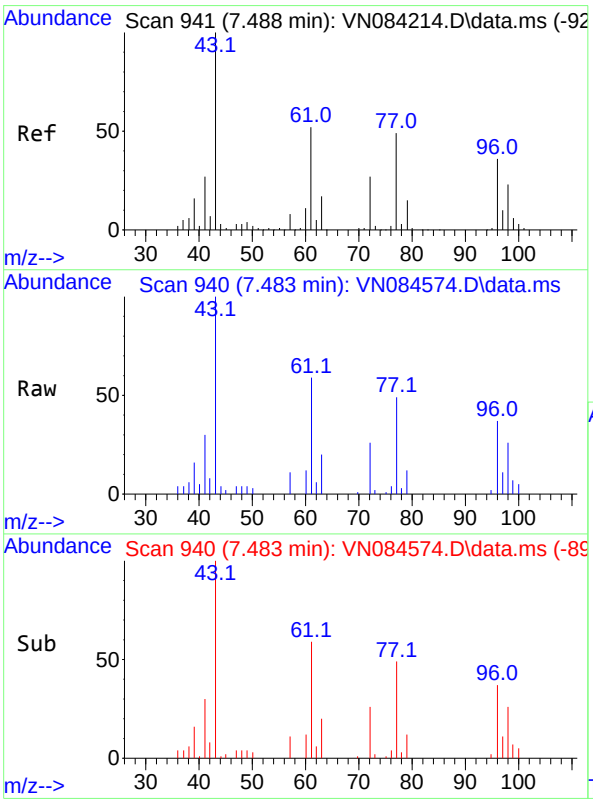
#25
2-Butanone
Concen: 27.452 ug/l
RT: 7.489 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 31742

Ion	Ratio	Lower	Upper
43	100		
72	25.5	21.4	32.2

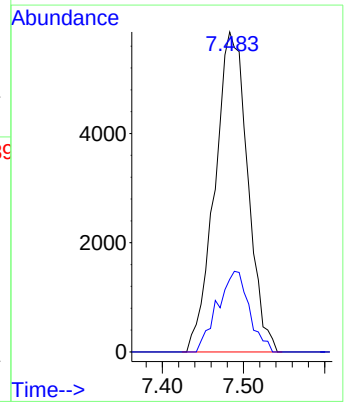


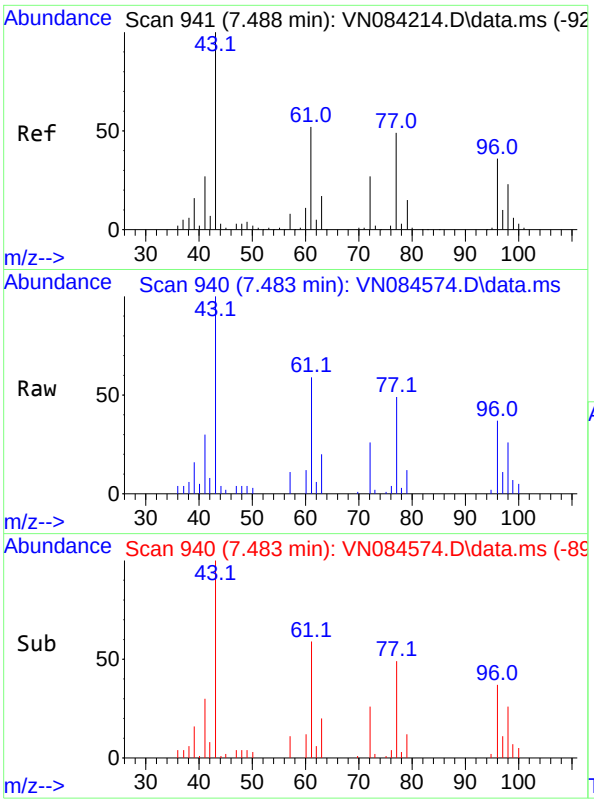


#26
2,2-Dichloropropane
Concen: 5.003 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 77 Resp: 16462

Ion	Ratio	Lower	Upper
77	100		
97	24.2	10.8	32.3



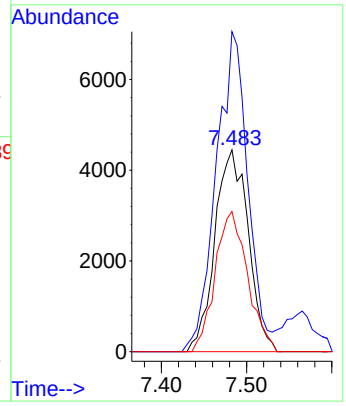


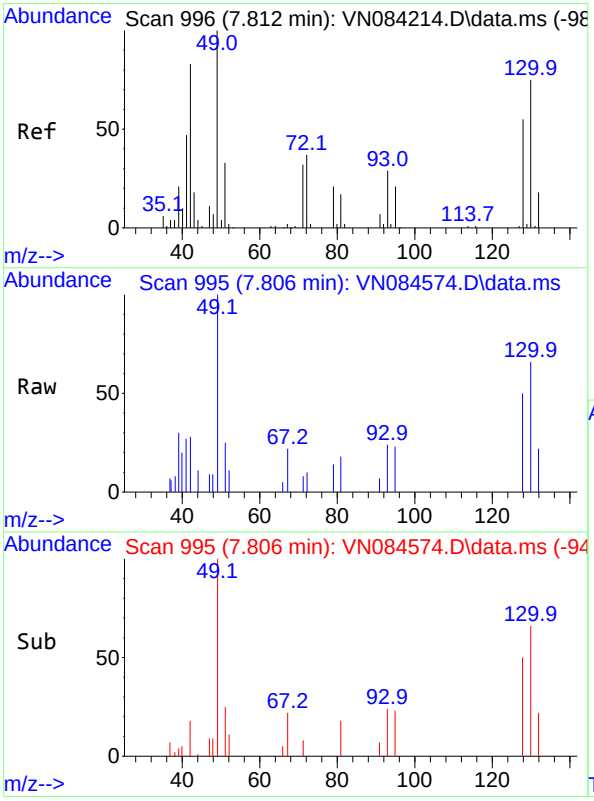
#27
cis-1,2-Dichloroethene
Concen: 5.167 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 12105

Ion	Ratio	Lower	Upper
96	100		
61	150.0	0.0	301.8
98	67.6	0.0	128.2

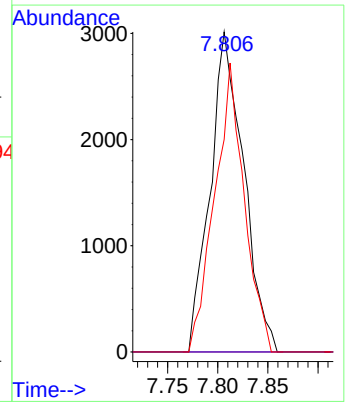


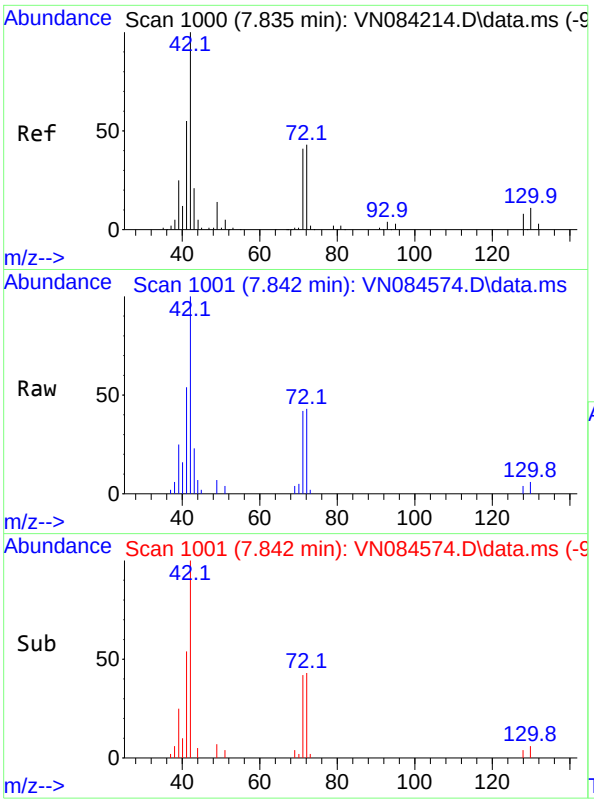


#28
Bromochloromethane
Concen: 4.649 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 49 Resp: 7002

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	79.7	58.0	87.0



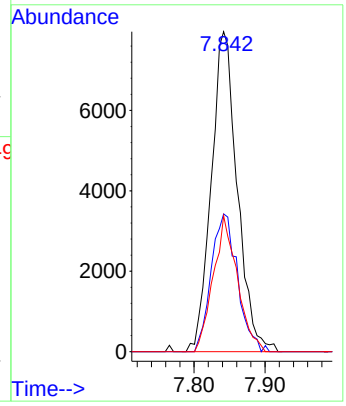


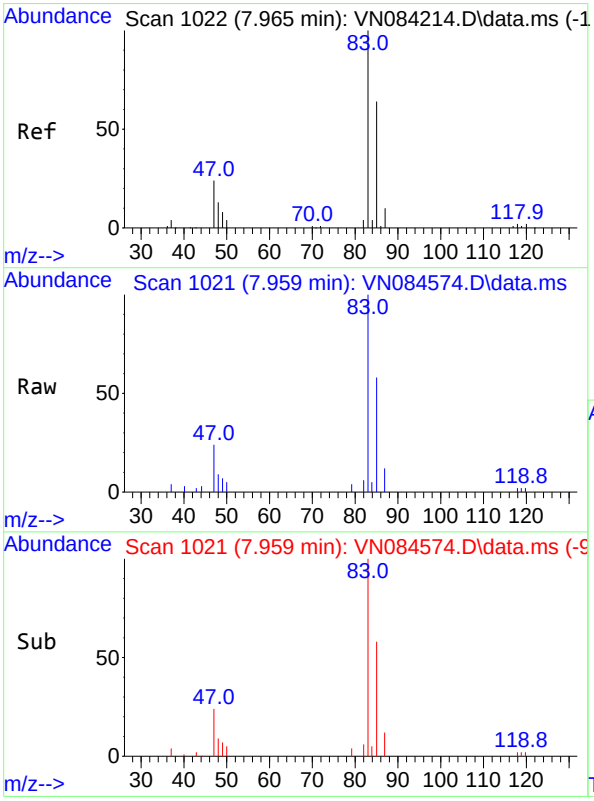
#29
Tetrahydrofuran
Concen: 26.385 ug/l
RT: 7.842 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 20240

Ion	Ratio	Lower	Upper
42	100		
72	43.6	34.6	51.8
71	39.3	32.2	48.4

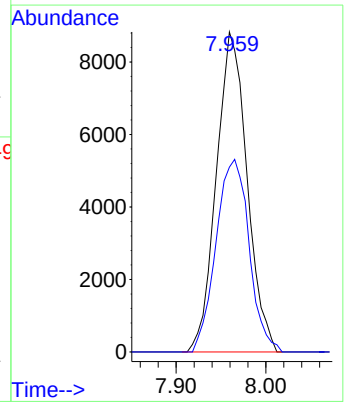


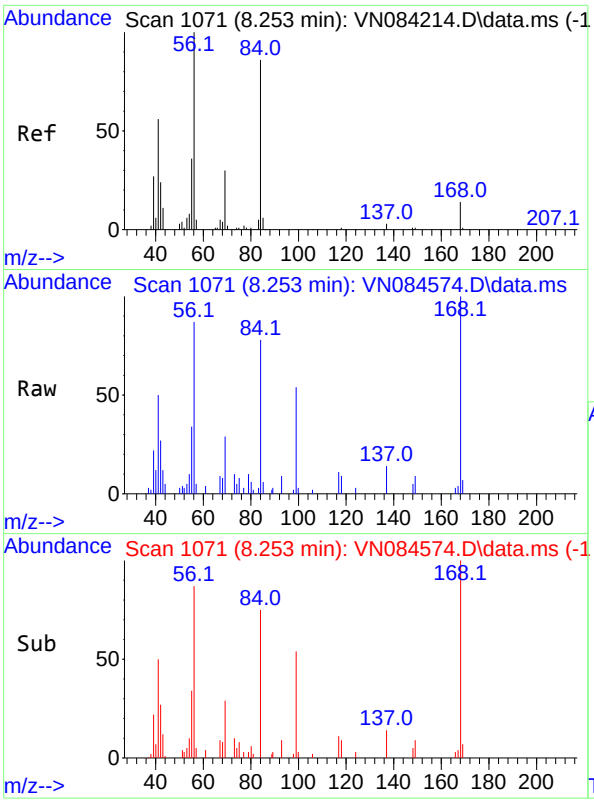


#30
Chloroform
Concen: 5.451 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 83 Resp: 20974

Ion	Ratio	Lower	Upper
83	100		
85	57.8	51.0	76.4



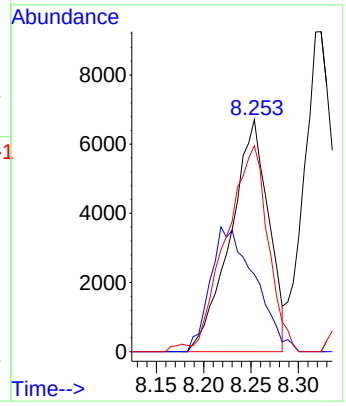


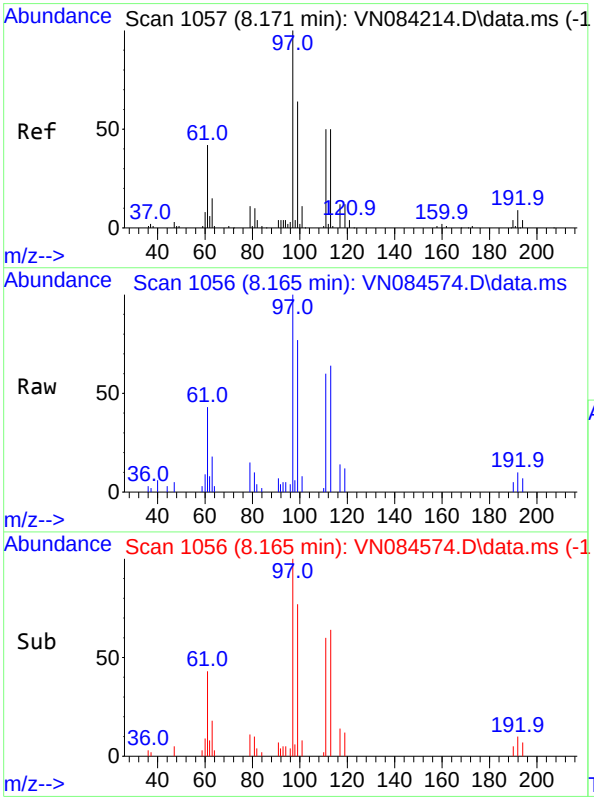
#31
Cyclohexane
Concen: 5.480 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 18750

Ion	Ratio	Lower	Upper
56	100		
69	33.3	23.8	35.6
84	85.6	68.8	103.2

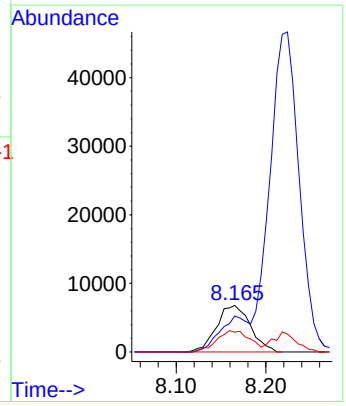


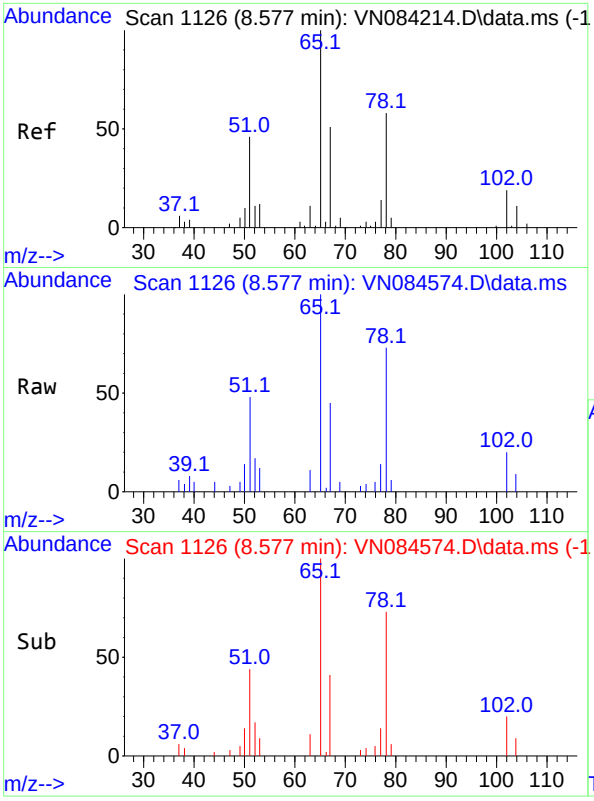


#32
1,1,1-Trichloroethane
Concen: 5.059 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 97 Resp: 17717

Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.2	76.8
61	44.8	37.5	56.3



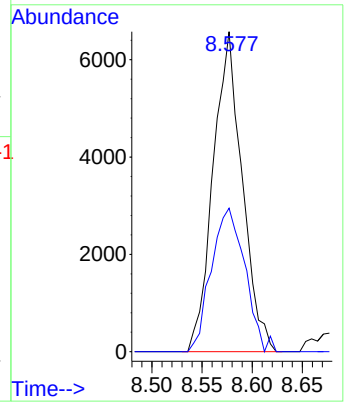


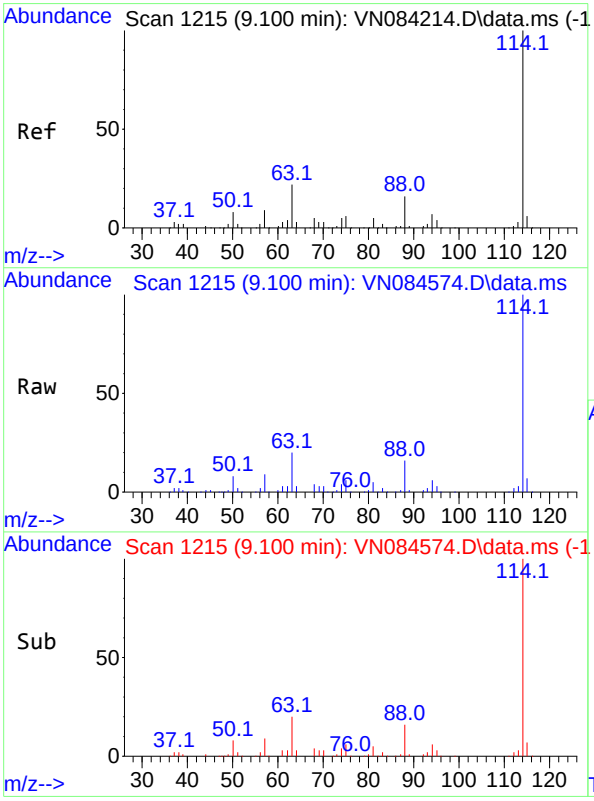
#33
1,2-Dichloroethane-d4
Concen: 5.337 ug/l
RT: 8.577 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 13227

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	102.0

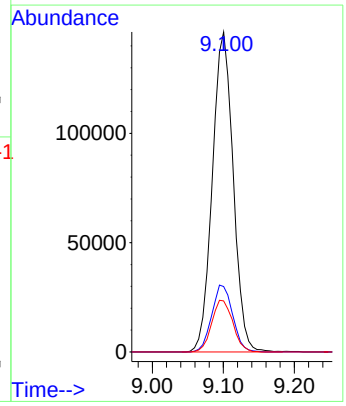


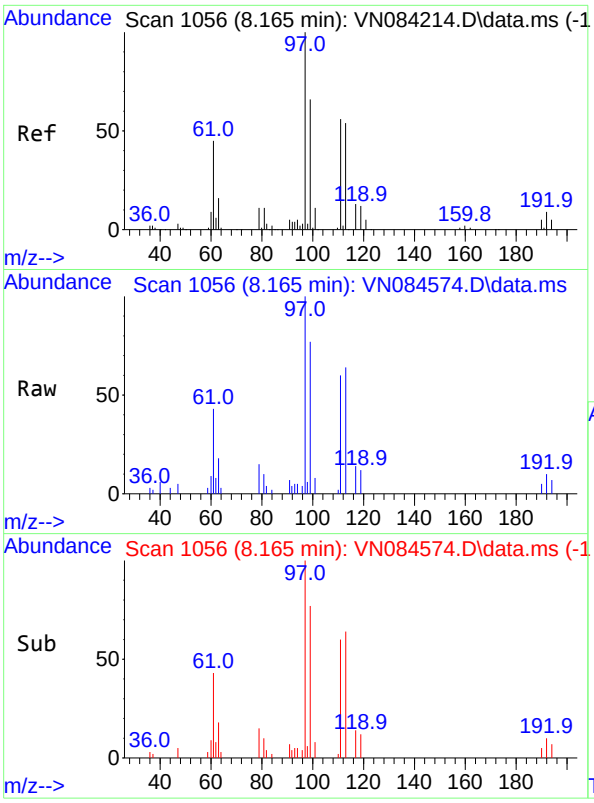


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:114 Resp: 297777

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	43.8
88	15.9	0.0	31.6



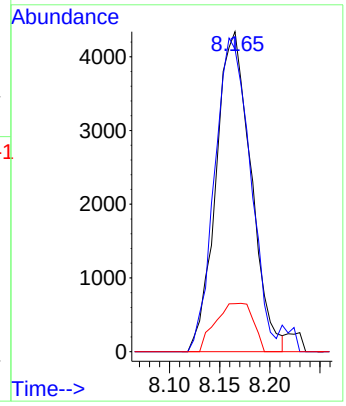


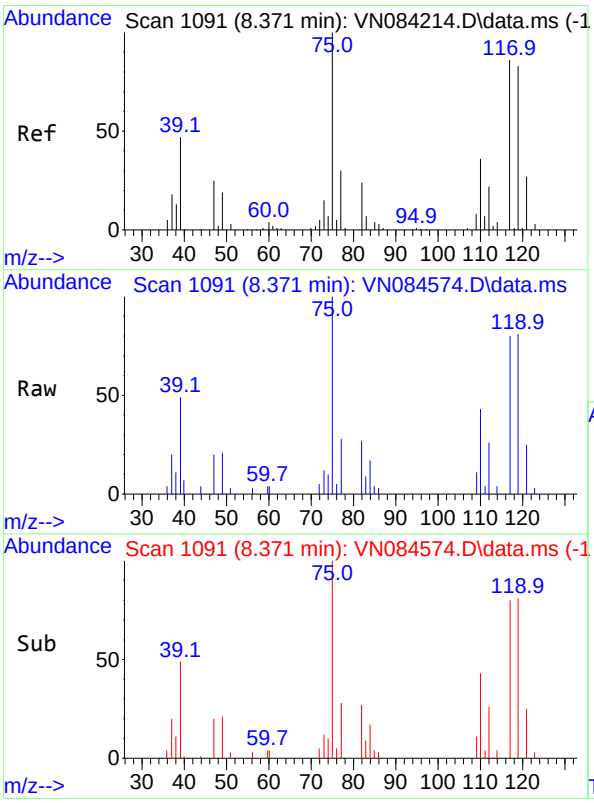
#35
Dibromofluoromethane
Concen: 5.215 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 10512

Ion	Ratio	Lower	Upper
113	100		
111	100.0	83.3	124.9
192	16.2	13.5	20.3

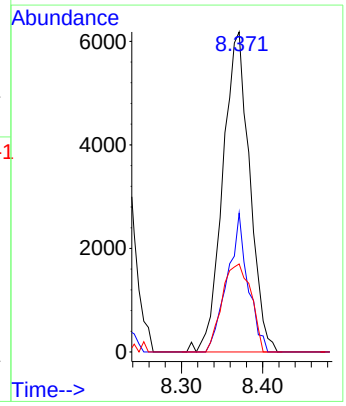


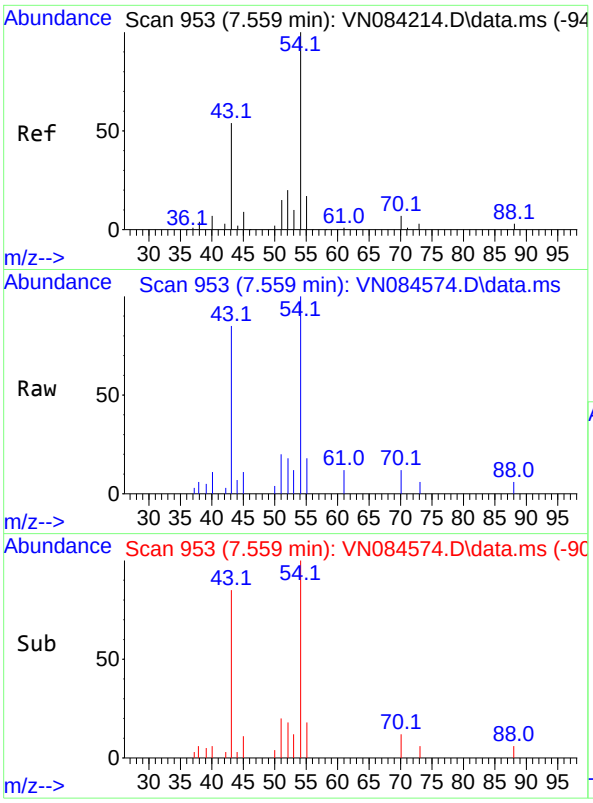


#36
1,1-Dichloropropene
Concen: 5.077 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 75 Resp: 14193

Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.9	50.7
77	29.6	24.7	37.1



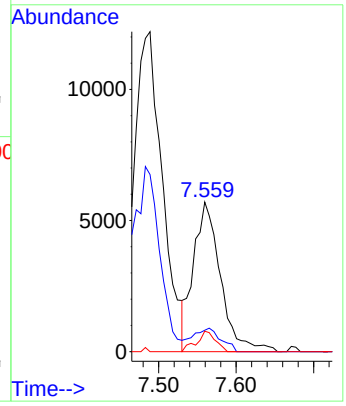


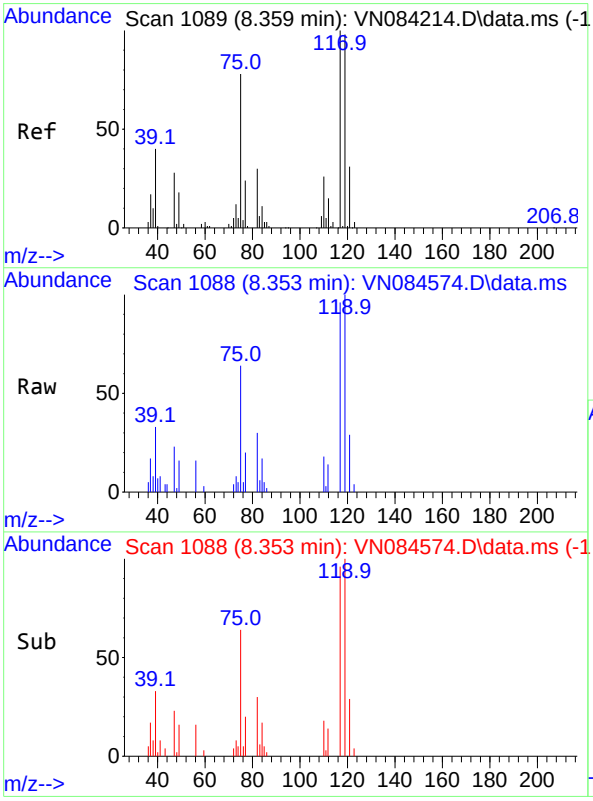
#37
Ethyl Acetate
Concen: 5.474 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 13884

Ion	Ratio	Lower	Upper
43	100		
61	16.4	10.7	16.1#
70	9.5	8.8	13.2

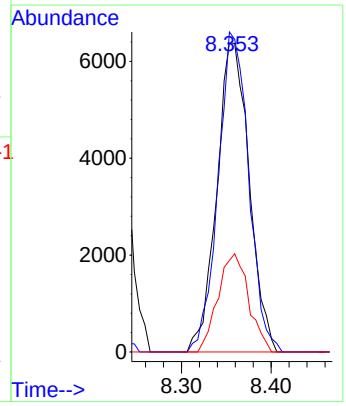


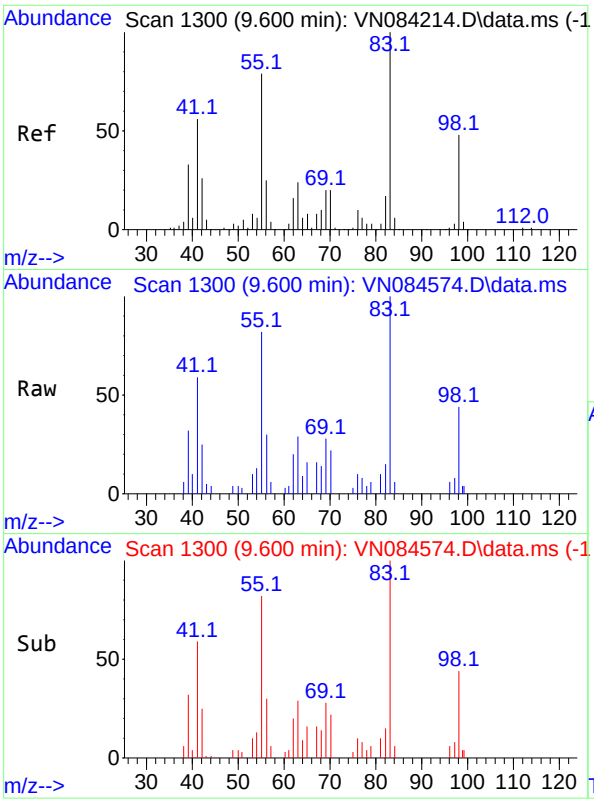


#38
Carbon Tetrachloride
Concen: 5.113 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:117 Resp: 15977

Ion	Ratio	Lower	Upper
117	100		
119	103.6	78.7	118.1
121	29.6	24.4	36.6



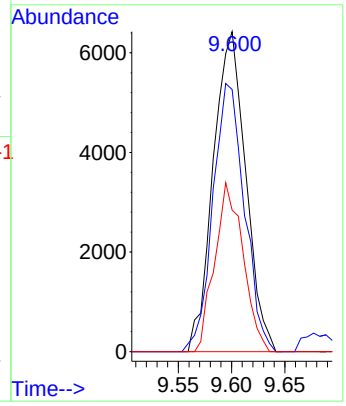


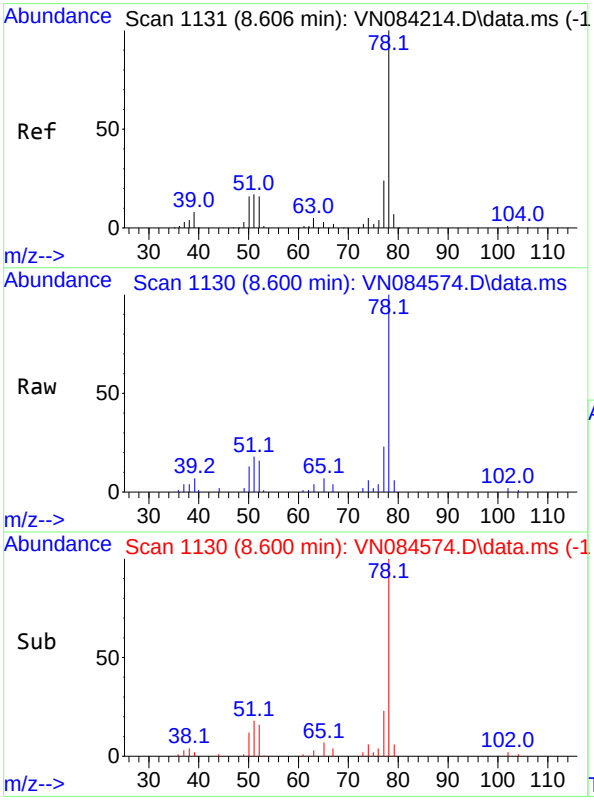
#39
Methylcyclohexane
Concen: 4.791 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 13624

Ion	Ratio	Lower	Upper
83	100		
55	81.9	62.8	94.2
98	44.2	38.8	58.2

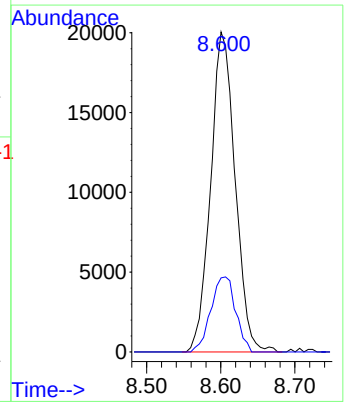


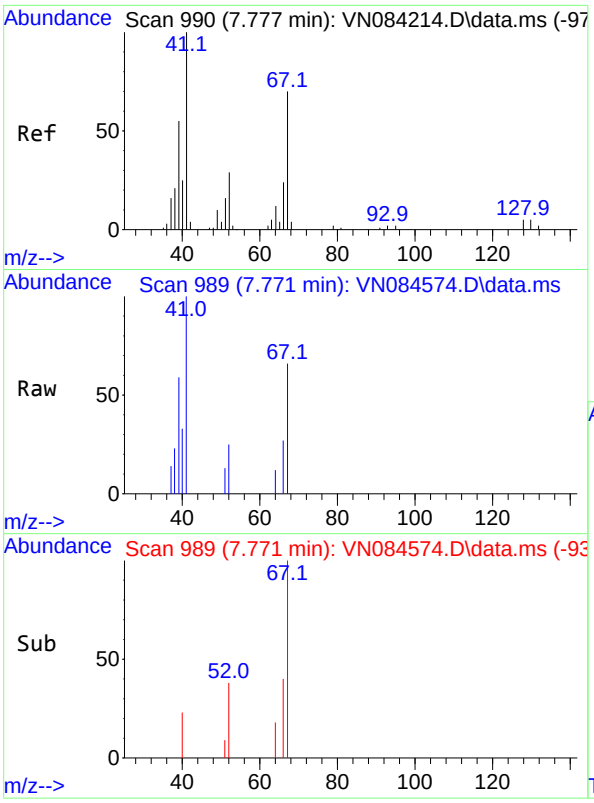


#40
Benzene
Concen: 5.129 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 78 Resp: 46044

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.1	28.7



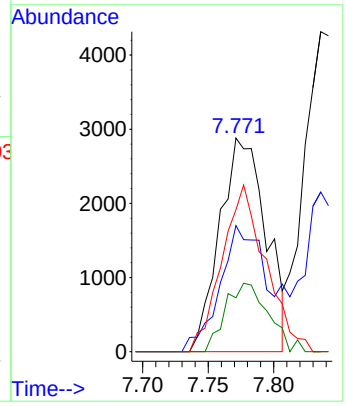


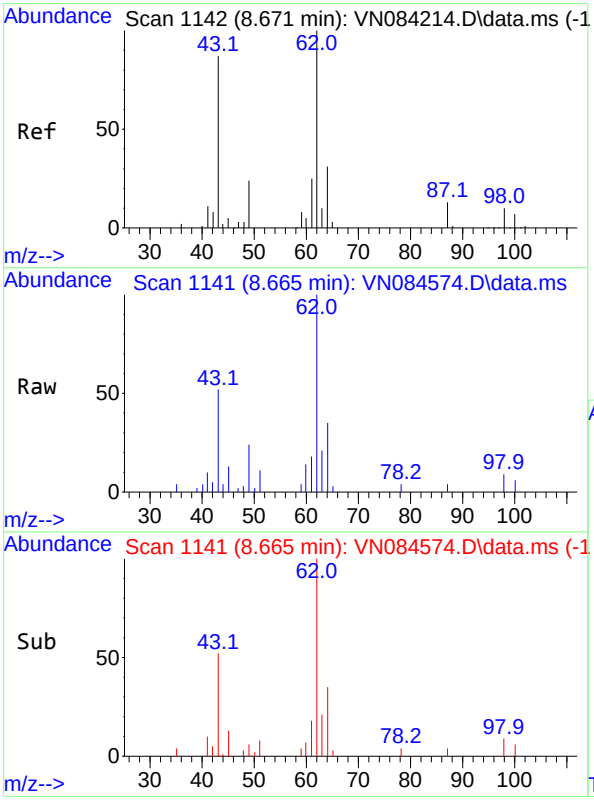
#41
Methacrylonitrile
Concen: 5.199 ug/l
RT: 7.771 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 7091

Ion	Ratio	Lower	Upper
41	100		
39	55.8	43.3	64.9
67	73.5	56.1	84.1
52	29.7	24.5	36.7

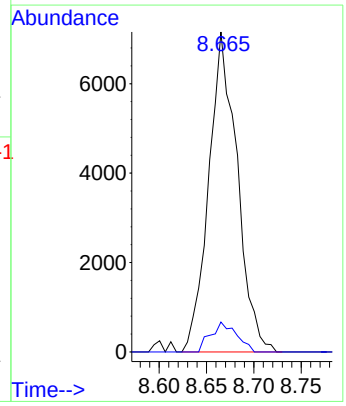


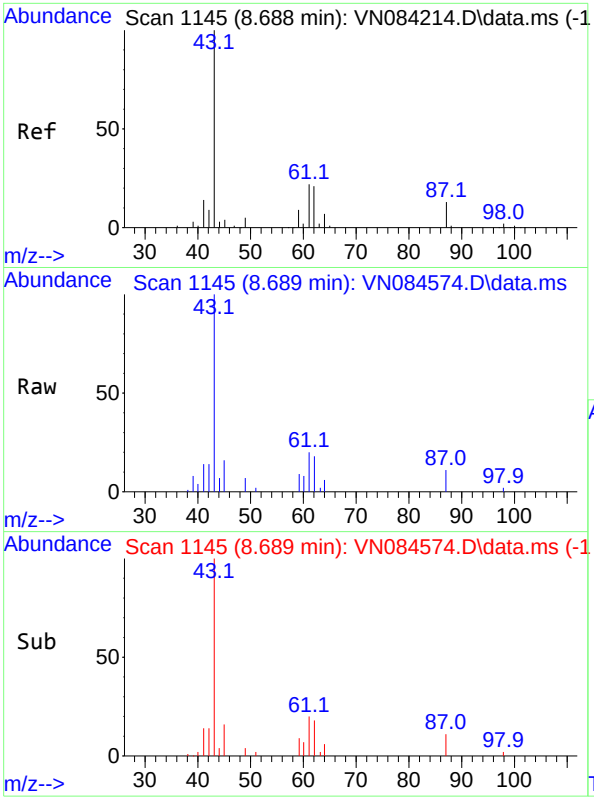


#42
1,2-Dichloroethane
Concen: 5.150 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 62 Resp: 14972

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2



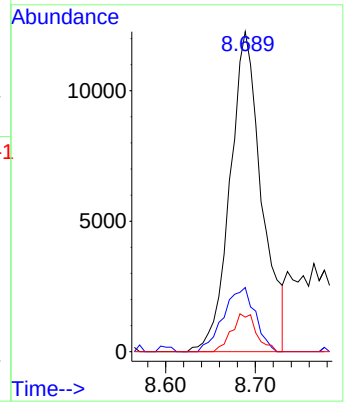


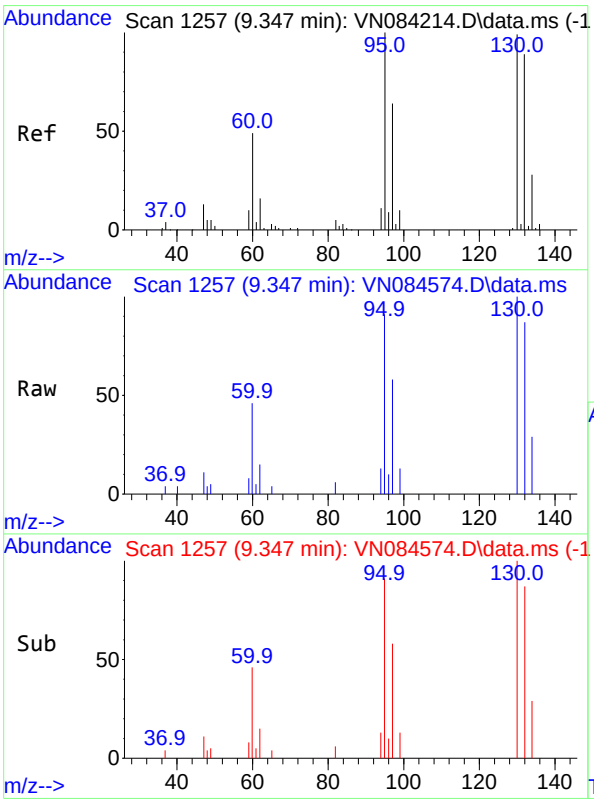
#43
Isopropyl Acetate
Concen: 5.554 ug/l
RT: 8.689 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 30044

Ion	Ratio	Lower	Upper
43	100		
61	20.1	20.4	30.6#
87	9.3	10.3	15.5#

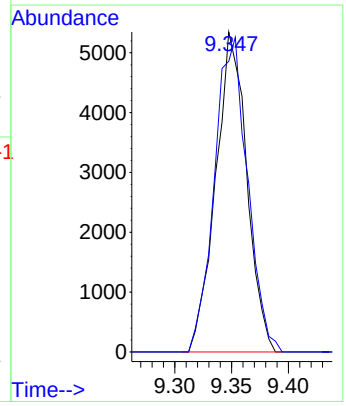


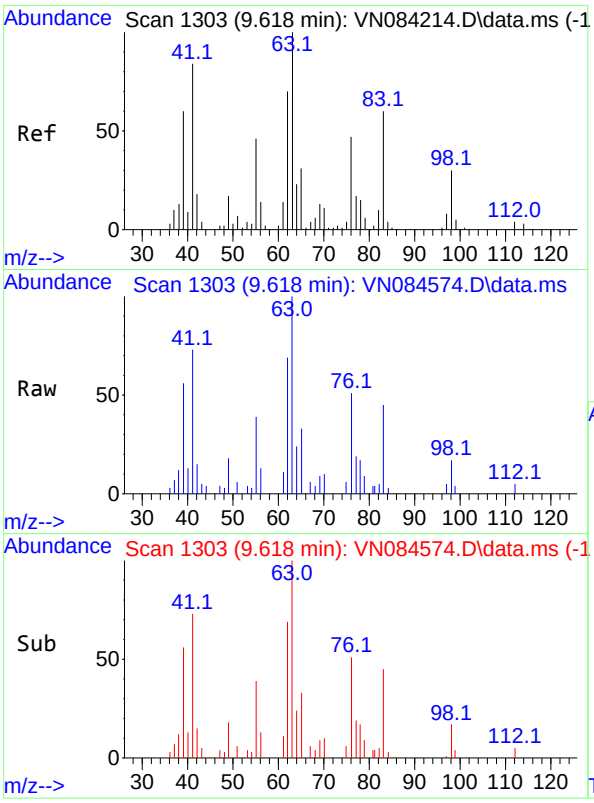


#44
Trichloroethene
Concen: 4.911 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:130 Resp: 10168

Ion	Ratio	Lower	Upper
130	100		
95	90.9	0.0	203.0



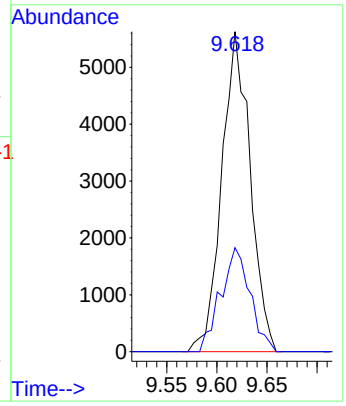


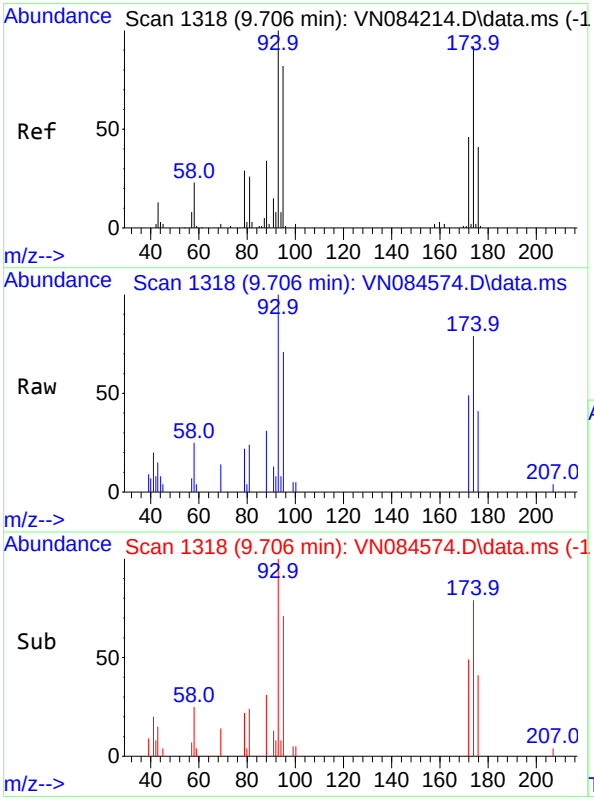
#45
1,2-Dichloropropane
Concen: 5.269 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 11095

Ion	Ratio	Lower	Upper
63	100		
65	32.5	24.6	37.0

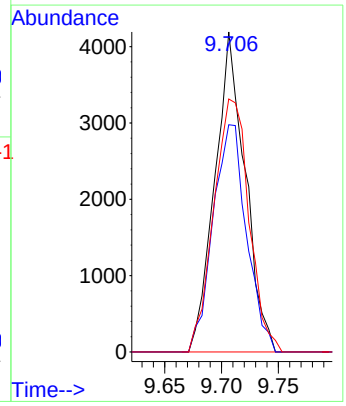


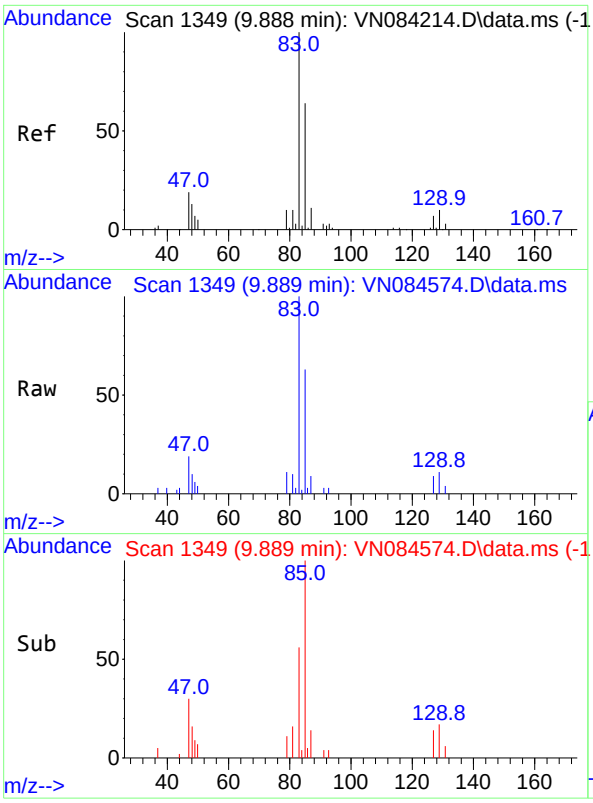


#46
Dibromomethane
Concen: 5.217 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 93 Resp: 7752

Ion	Ratio	Lower	Upper
93	100		
95	78.8	65.0	97.4
174	92.1	71.8	107.8



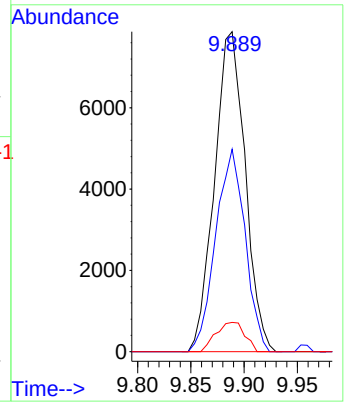


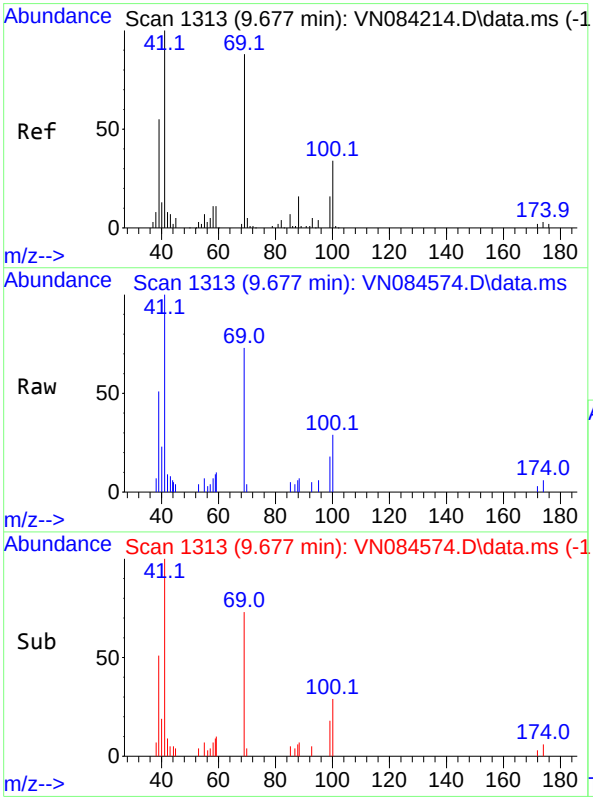
#47
Bromodichloromethane
Concen: 5.028 ug/l
RT: 9.889 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 15749

Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.5	77.3
127	9.2	5.7	8.5#

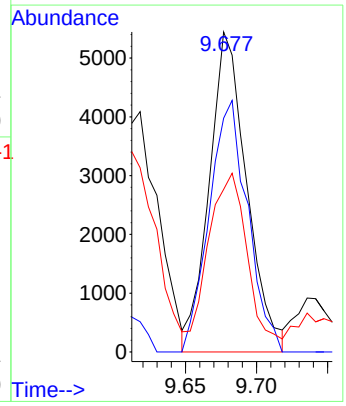


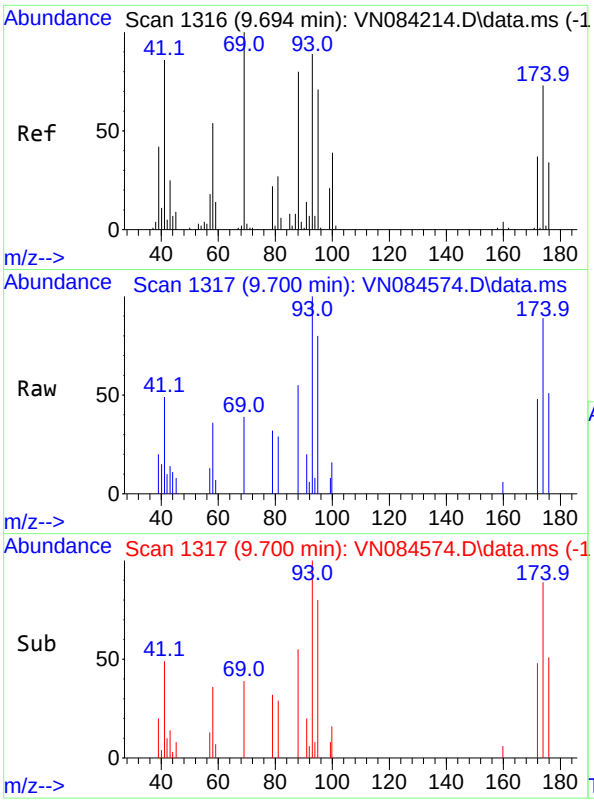


#48
Methyl methacrylate
Concen: 5.051 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 41 Resp: 9971

Ion	Ratio	Lower	Upper
41	100		
69	80.8	67.1	100.7
39	59.6	45.8	68.6



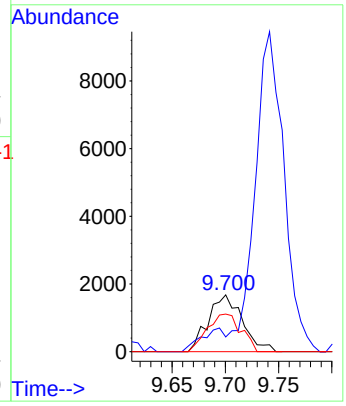


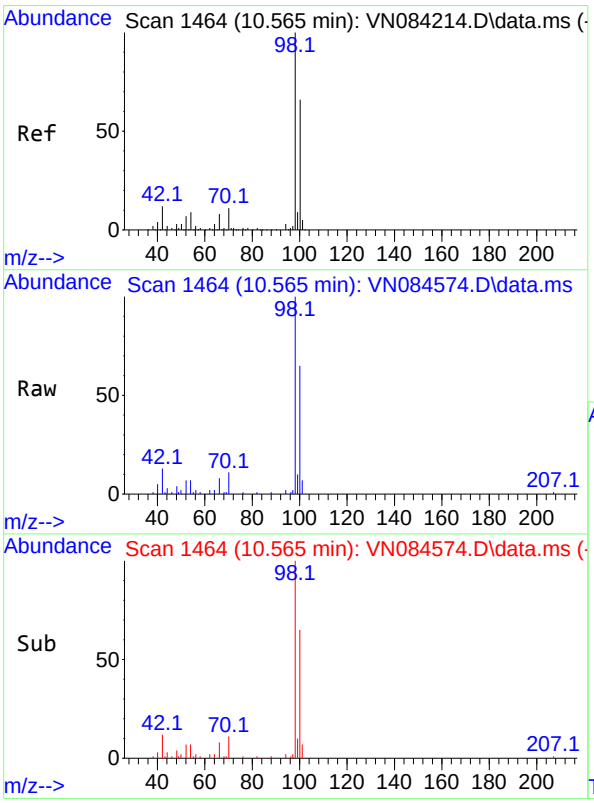
#49
1,4-Dioxane
Concen: 106.609 ug/l
RT: 9.700 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 3729

Ion	Ratio	Lower	Upper
88	100		
43	29.3	25.3	37.9
58	65.6	56.4	84.6

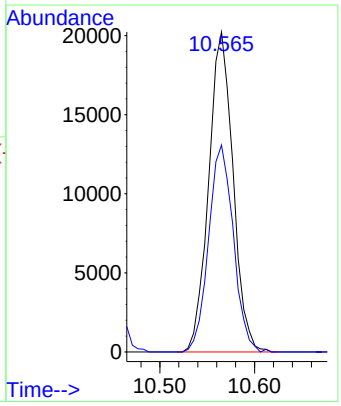


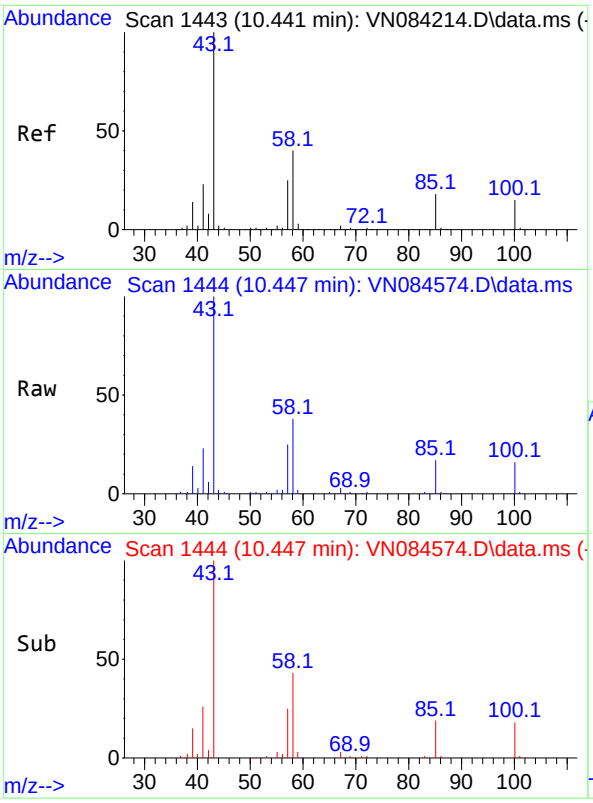


#50
Toluene-d8
Concen: 4.879 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 98 Resp: 36225

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1



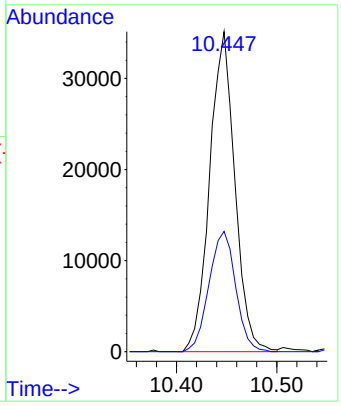


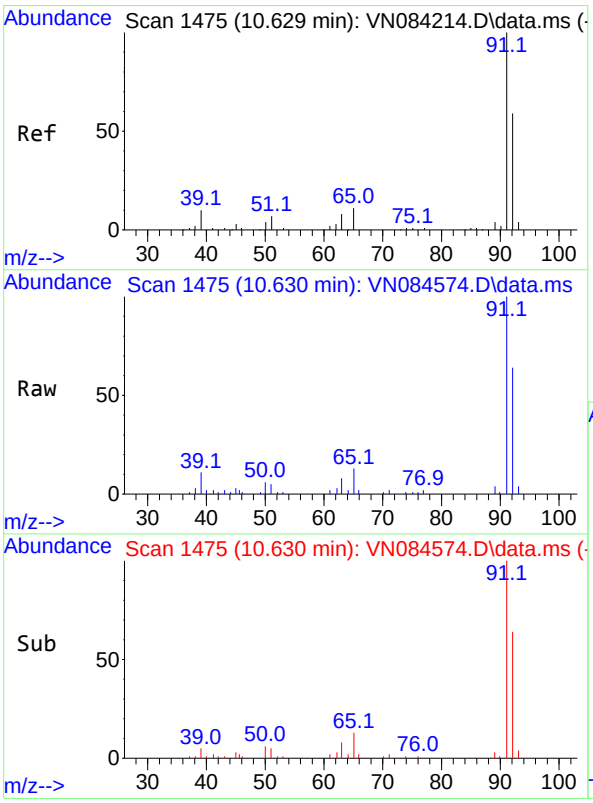
#51
4-Methyl-2-Pentanone
Concen: 25.367 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 61332

Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.6	47.4

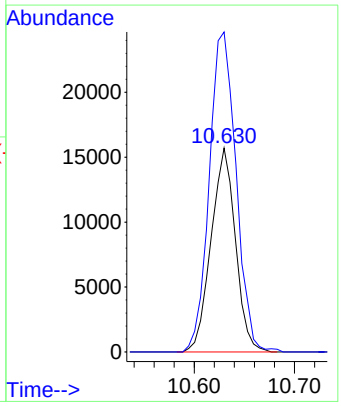


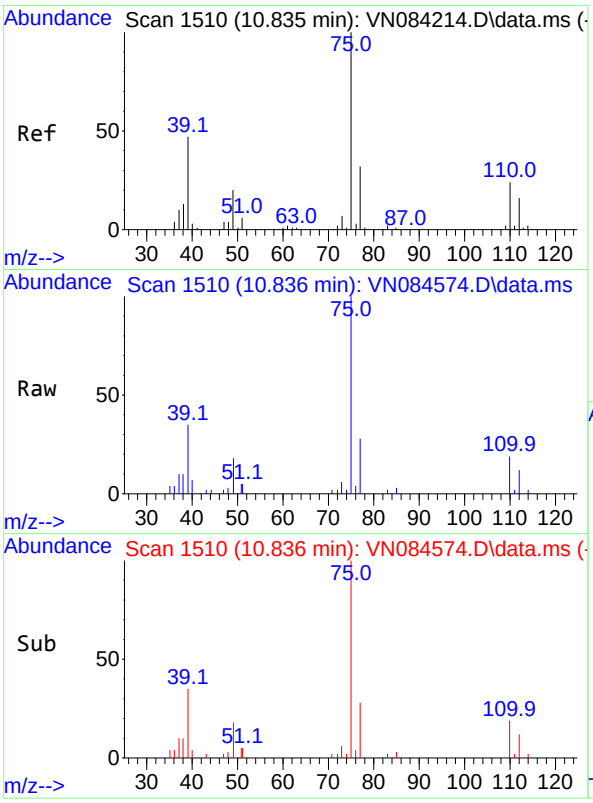


#52
Toluene
Concen: 5.051 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 92 Resp: 26518

Ion	Ratio	Lower	Upper
92	100		
91	172.5	137.3	205.9



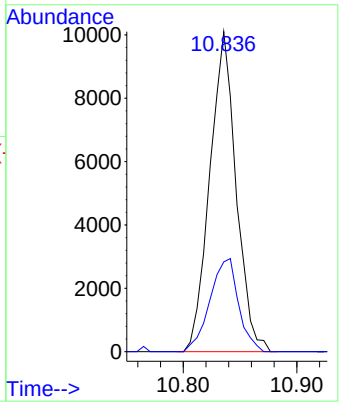


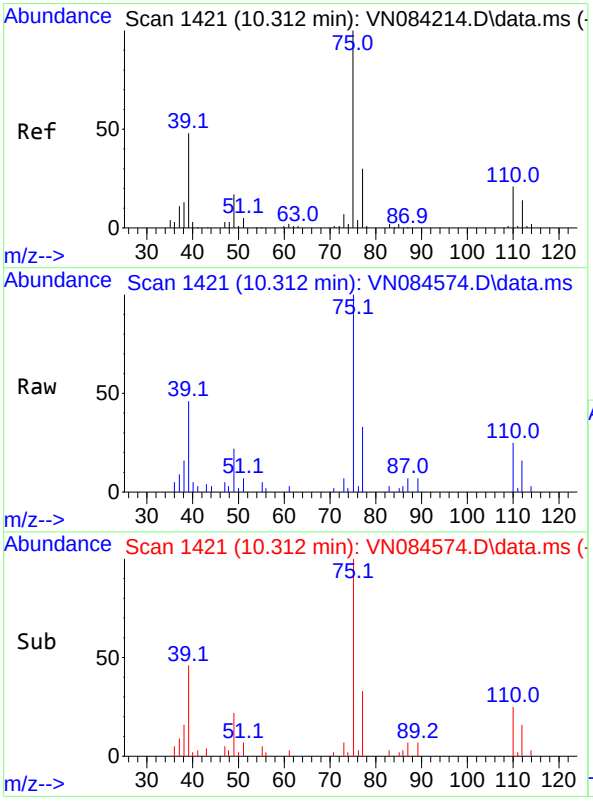
#53
t-1,3-Dichloropropene
Concen: 5.021 ug/l
RT: 10.836 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 16279

Ion	Ratio	Lower	Upper
75	100		
77	28.0	25.4	38.0

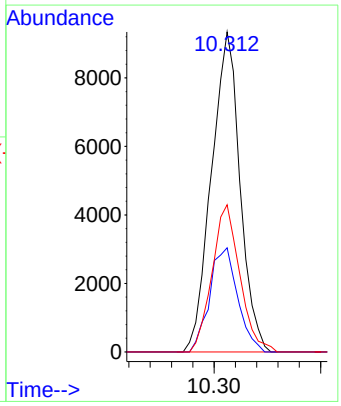


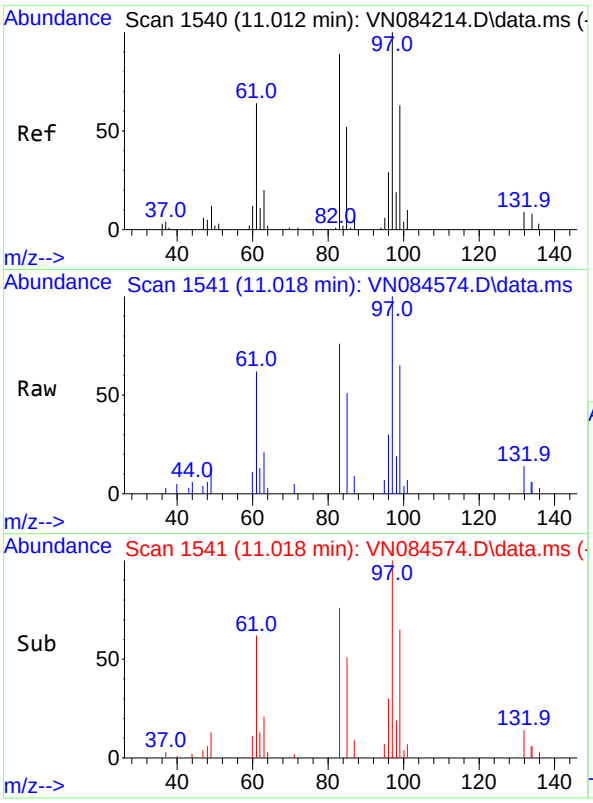


#54
cis-1,3-Dichloropropene
Concen: 5.069 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 75 Resp: 17395

Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.2	36.2
39	46.0	38.7	58.1



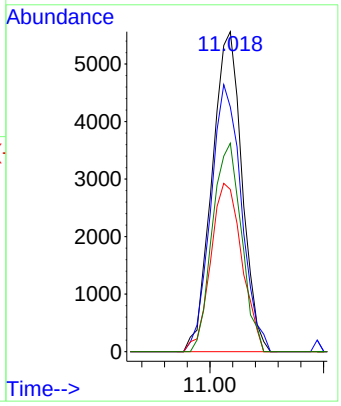


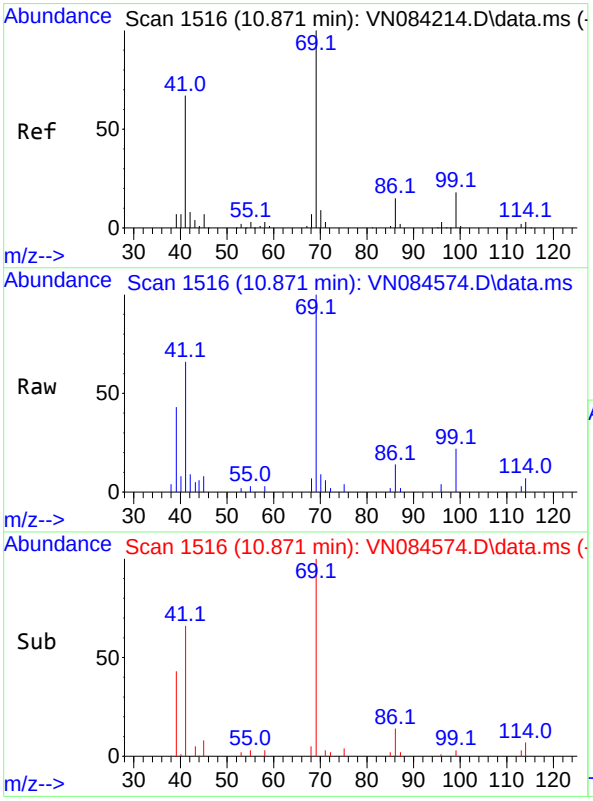
#55
1,1,2-Trichloroethane
Concen: 5.154 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 10193

Ion	Ratio	Lower	Upper
97	100		
83	76.4	71.0	106.4
85	50.7	41.7	62.5
99	65.2	50.1	75.1

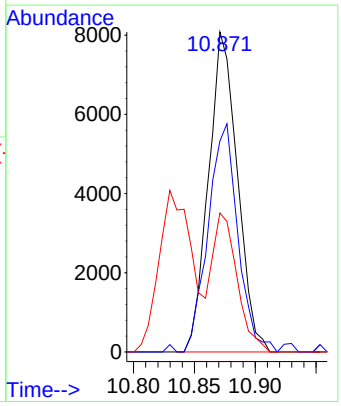


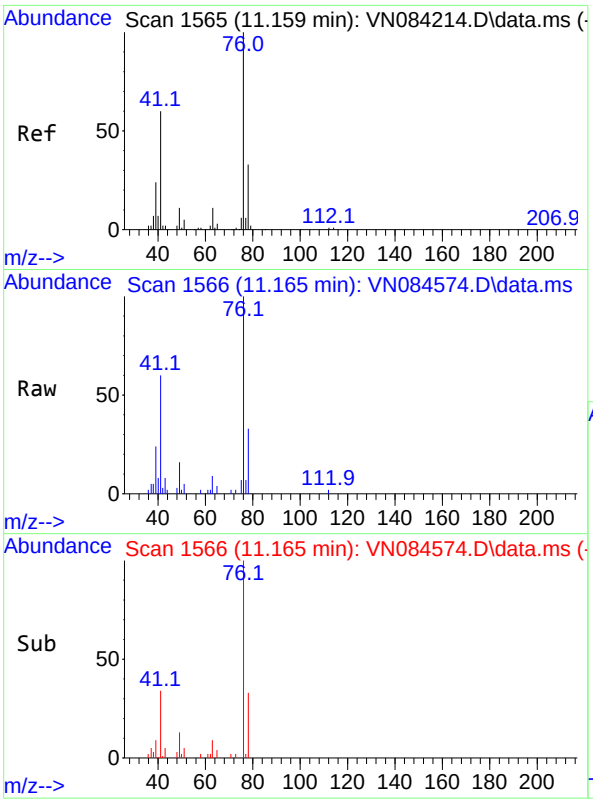


#56
Ethyl methacrylate
Concen: 4.671 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 69 Resp: 13362

Ion	Ratio	Lower	Upper
69	100		
41	73.3	53.3	79.9
39	36.7	28.8	43.2



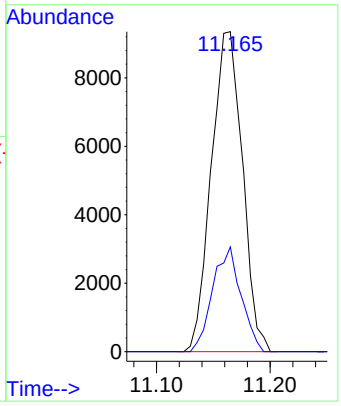


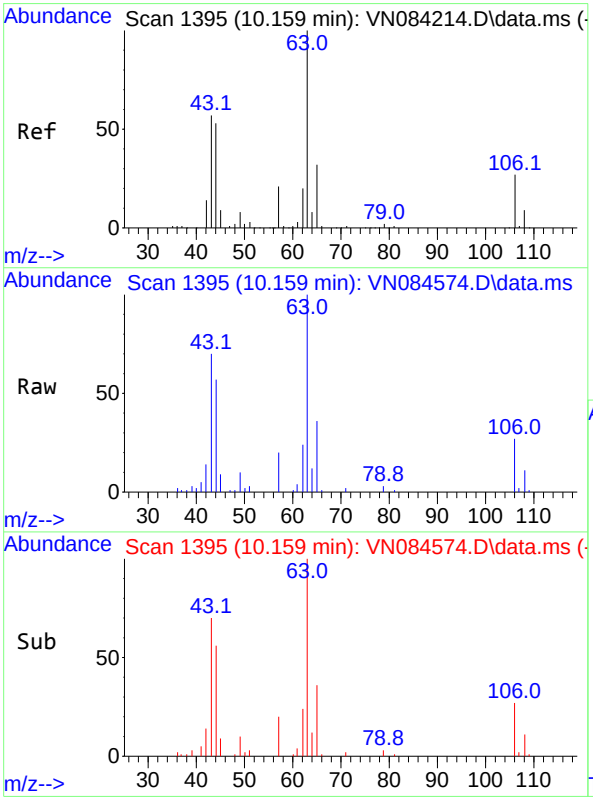
#57
1,3-Dichloropropane
Concen: 5.249 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 17816

Ion	Ratio	Lower	Upper
76	100		
78	29.8	25.8	38.6

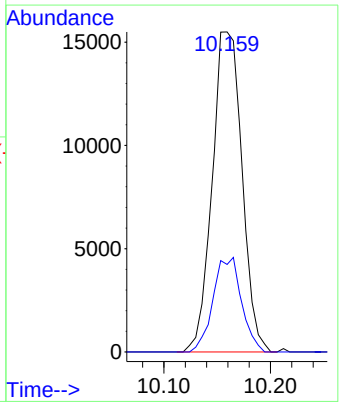


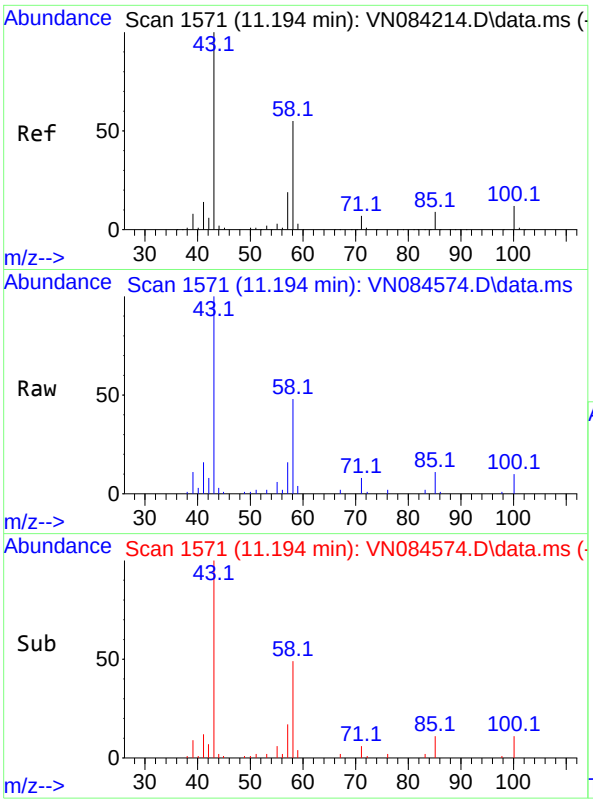


#58
2-Chloroethyl Vinyl ether
Concen: 22.477 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 63 Resp: 30088

Ion	Ratio	Lower	Upper
63	100		
106	28.1	21.8	32.6



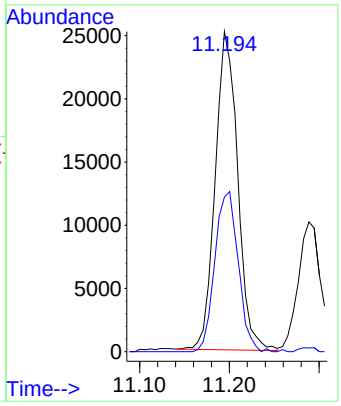


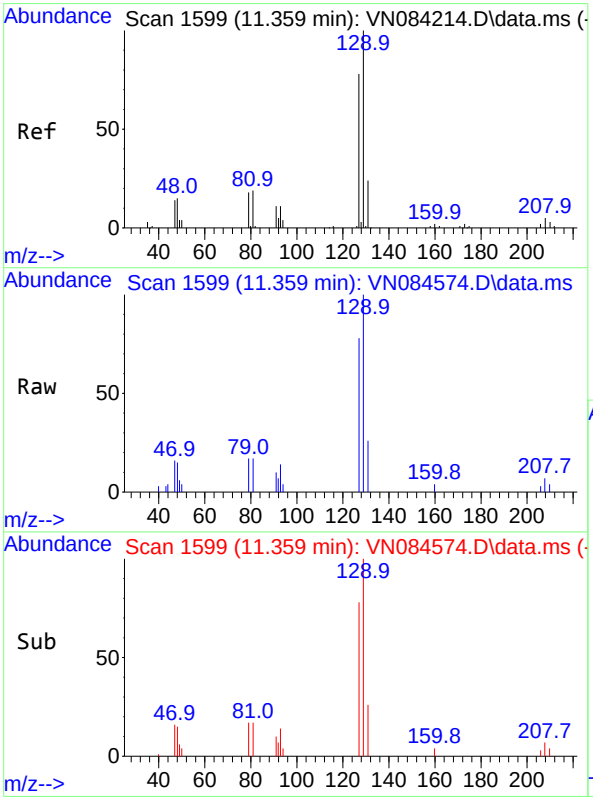
#59
2-Hexanone
Concen: 24.860 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 43750

Ion	Ratio	Lower	Upper
43	100		
58	52.3	27.3	81.8

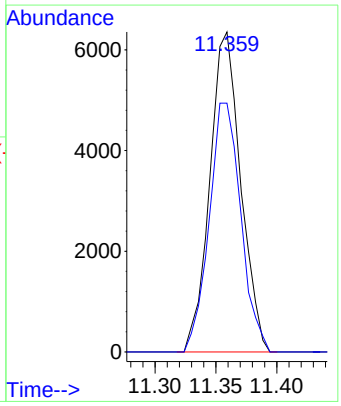


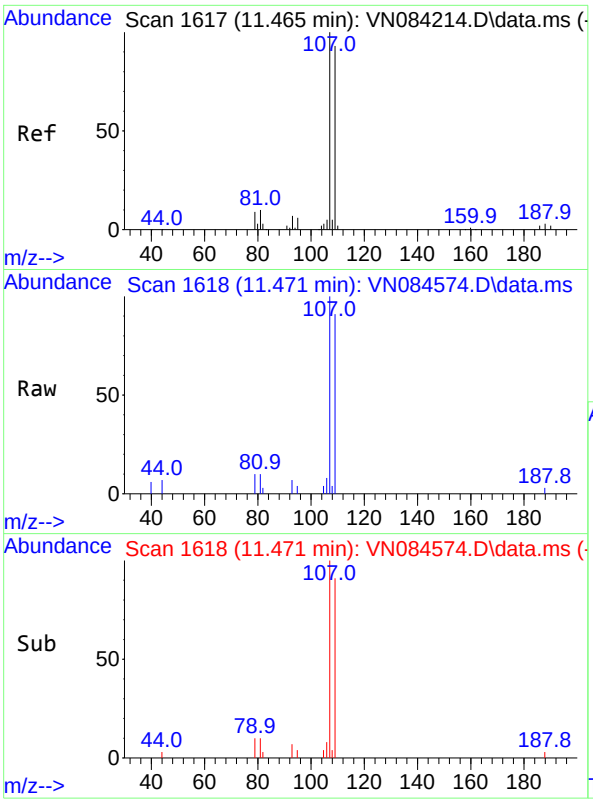


#60
Dibromochloromethane
Concen: 4.980 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:129 Resp: 11226

Ion	Ratio	Lower	Upper
129	100		
127	79.6	38.3	114.9



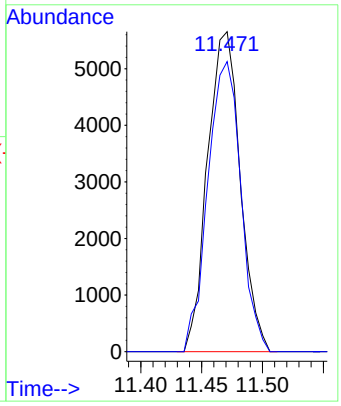


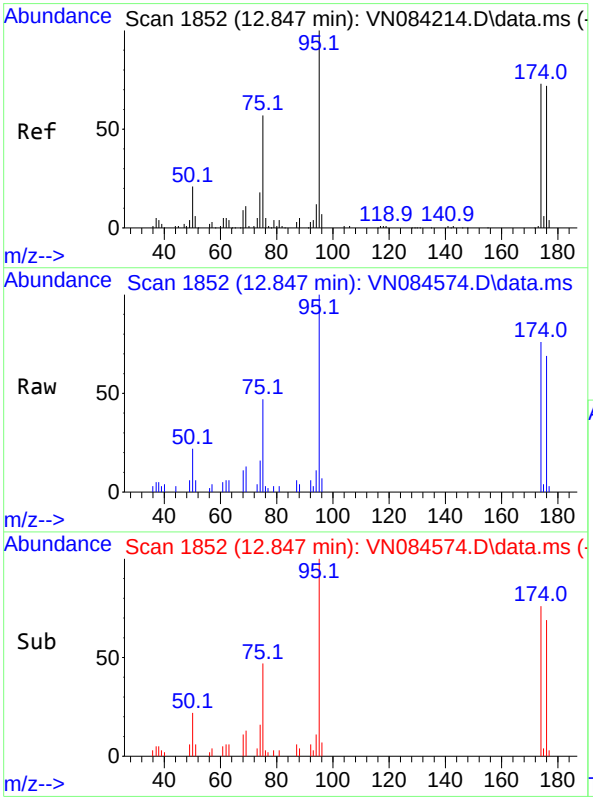
#61
1,2-Dibromoethane
Concen: 5.226 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 10584

Ion	Ratio	Lower	Upper
107	100		
109	91.2	75.4	113.0

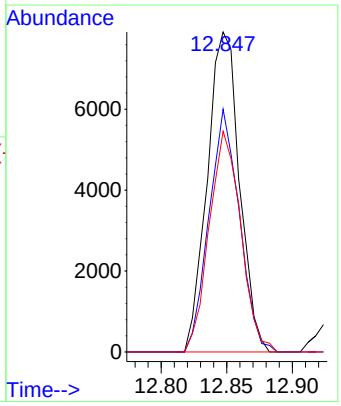


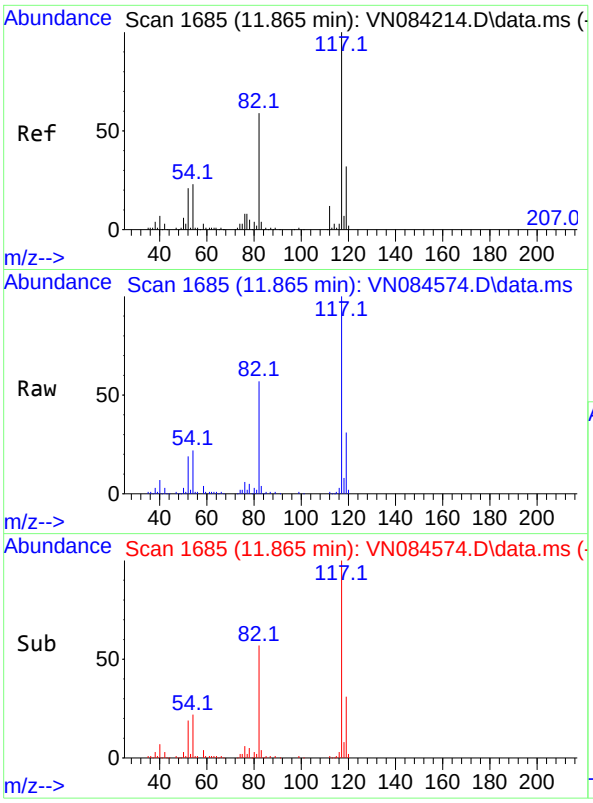


#62
4-Bromofluorobenzene
Concen: 4.867 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 95 Resp: 13506

Ion	Ratio	Lower	Upper
95	100		
174	71.6	0.0	145.2
176	67.5	0.0	140.0



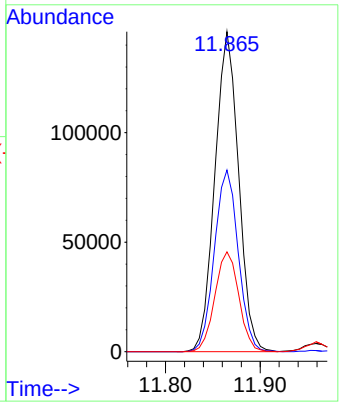


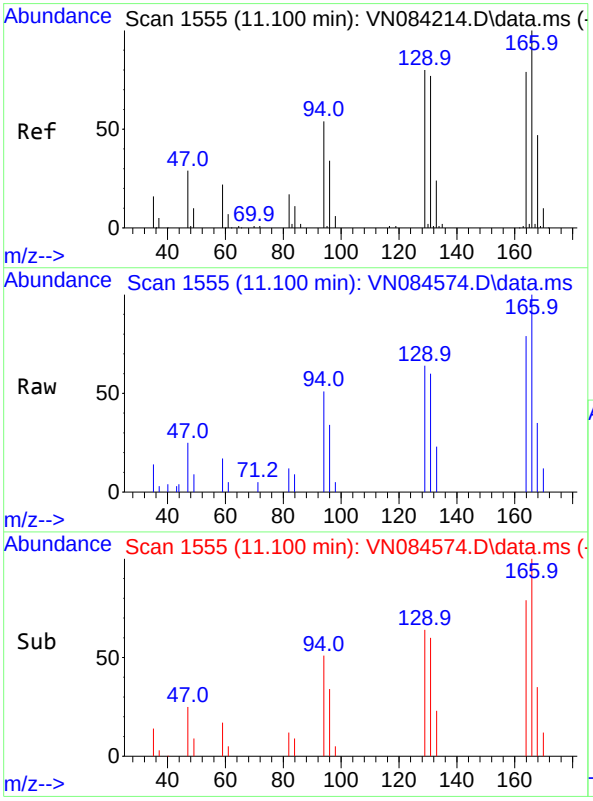
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 254342

Ion	Ratio	Lower	Upper
117	100		
82	56.8	47.2	70.8
119	31.2	25.4	38.0

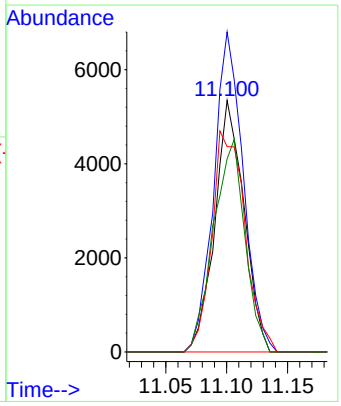


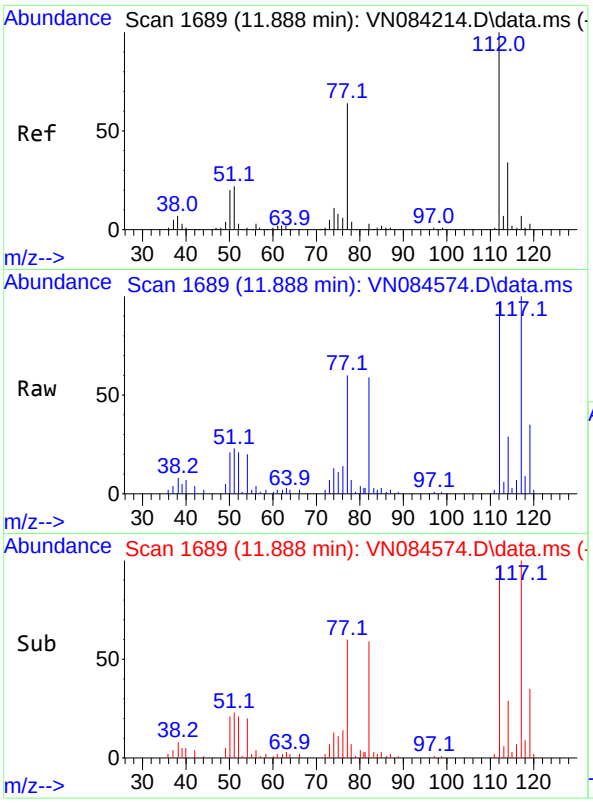


#64
Tetrachloroethene
Concen: 5.271 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:164 Resp: 8917

Ion	Ratio	Lower	Upper
164	100		
166	127.3	101.0	151.4
129	81.6	80.8	121.2
131	76.8	78.1	117.1#



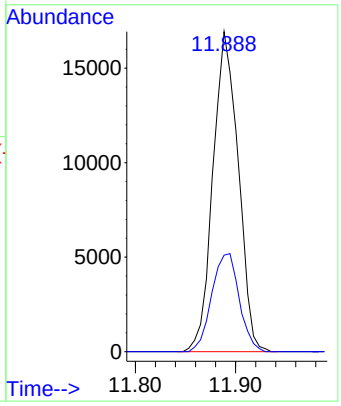


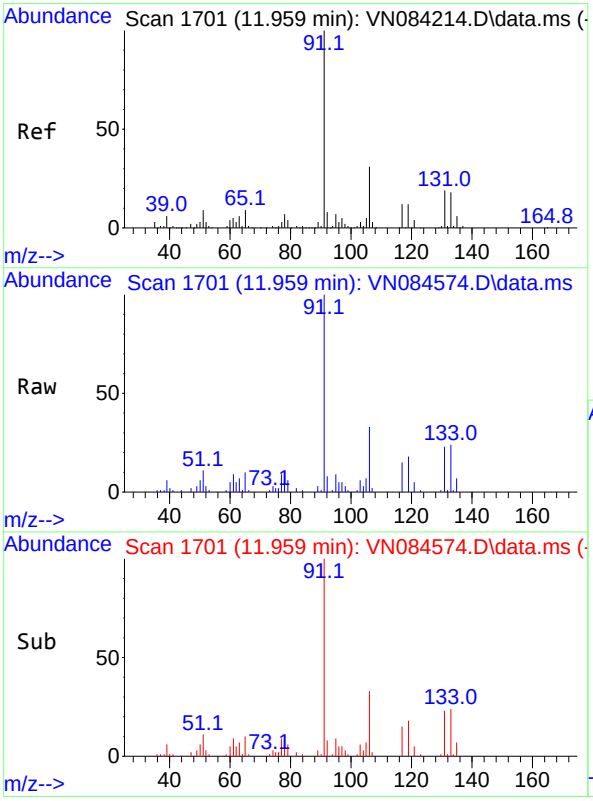
#65
Chlorobenzene
Concen: 5.205 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 29618

Ion	Ratio	Lower	Upper
112	100		
114	30.1	27.0	40.6

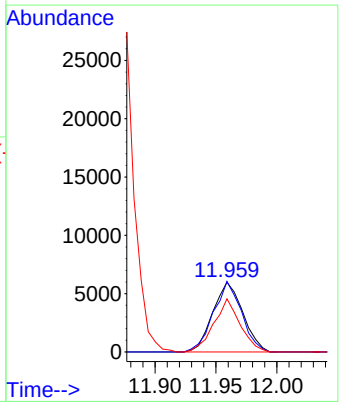


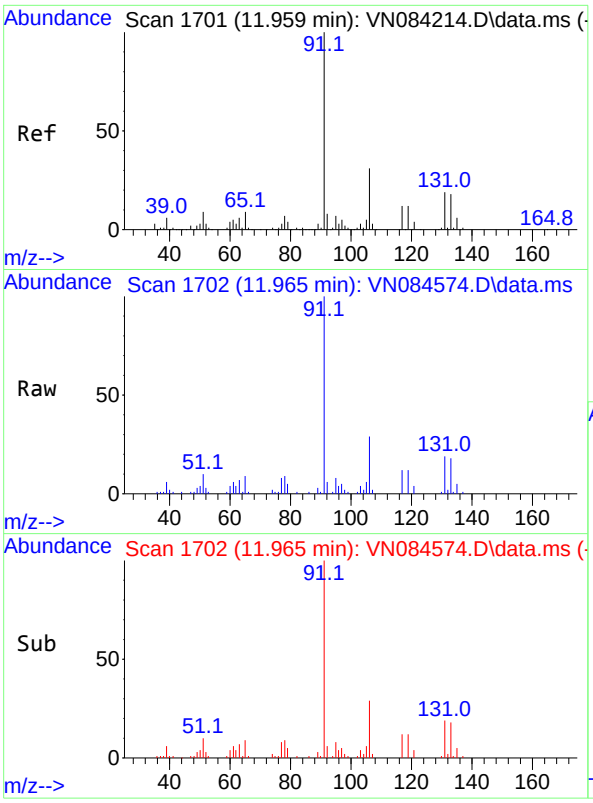


#66
1,1,1,2-Tetrachloroethane
Concen: 5.186 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:131 Resp: 10265

Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.9	143.7
119	66.8	32.8	98.3



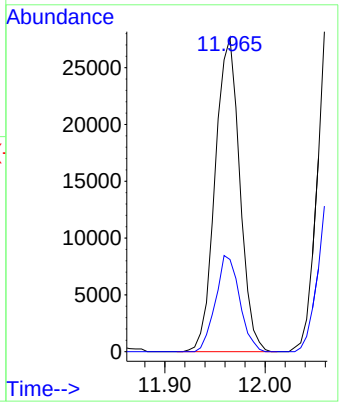


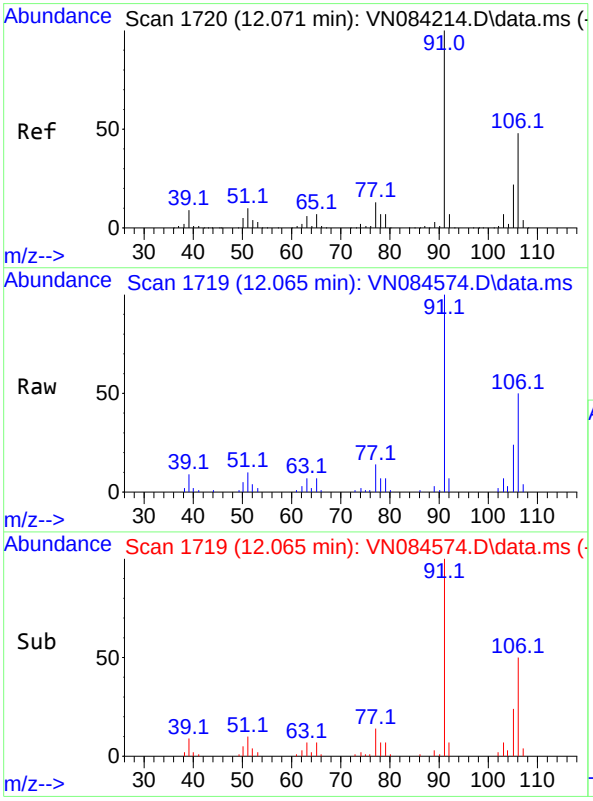
#67
Ethyl Benzene
Concen: 4.952 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 47037

Ion	Ratio	Lower	Upper
91	100		
106	29.4	24.5	36.7

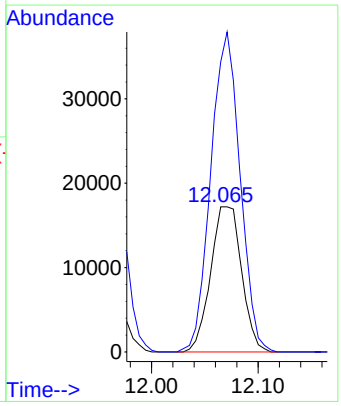


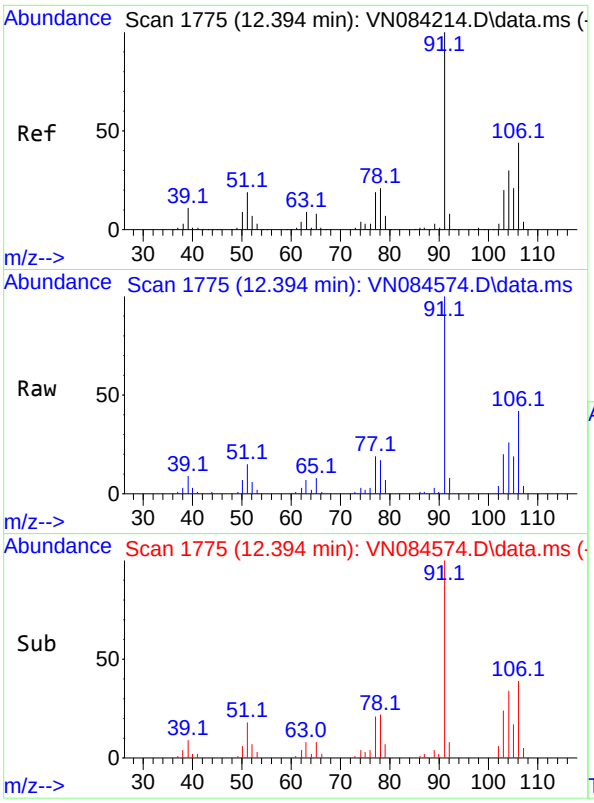


#68
m/p-Xylenes
Concen: 9.665 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:106 Resp: 34753

Ion	Ratio	Lower	Upper
106	100		
91	208.3	167.1	250.7



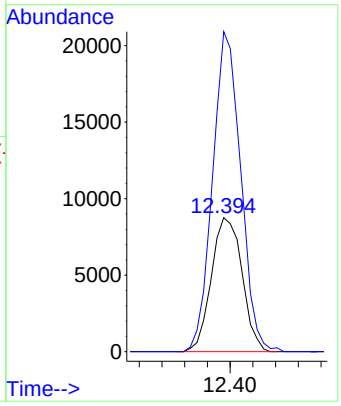


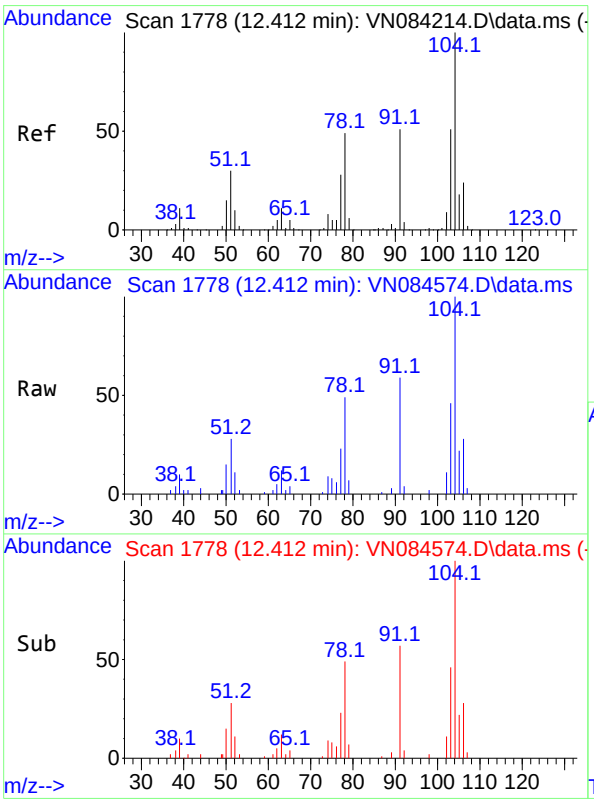
#69
o-Xylene
Concen: 4.873 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 16393

Ion	Ratio	Lower	Upper
106	100		
91	219.5	110.2	330.6

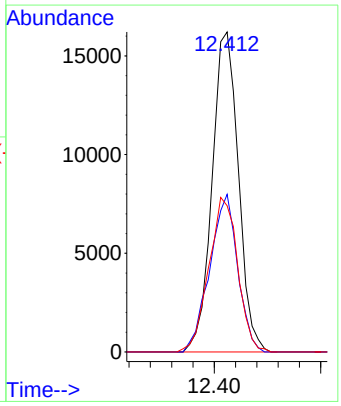


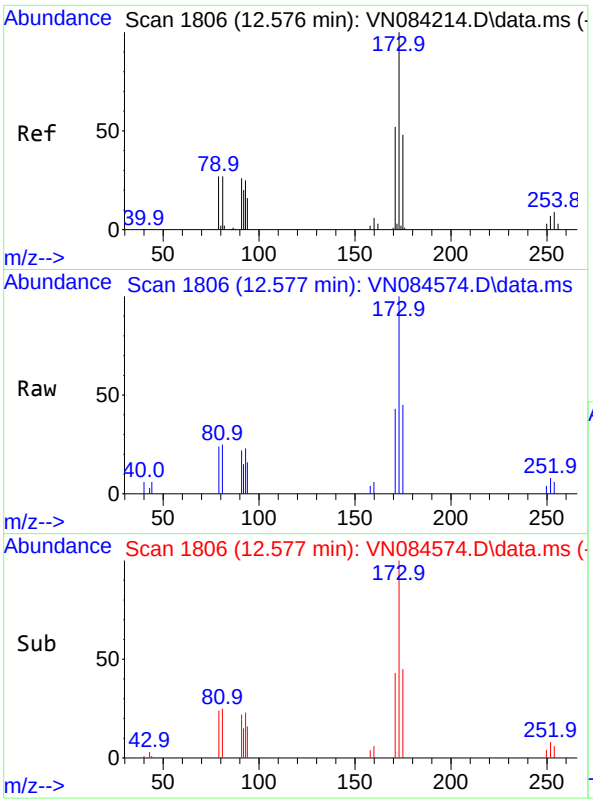


#70
Styrene
Concen: 4.739 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:104 Resp: 27807

Ion	Ratio	Lower	Upper
104	100		
78	52.0	42.7	64.1
103	53.0	43.6	65.4



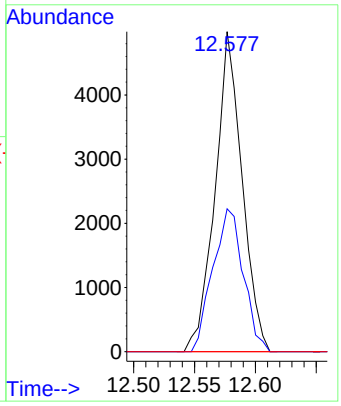


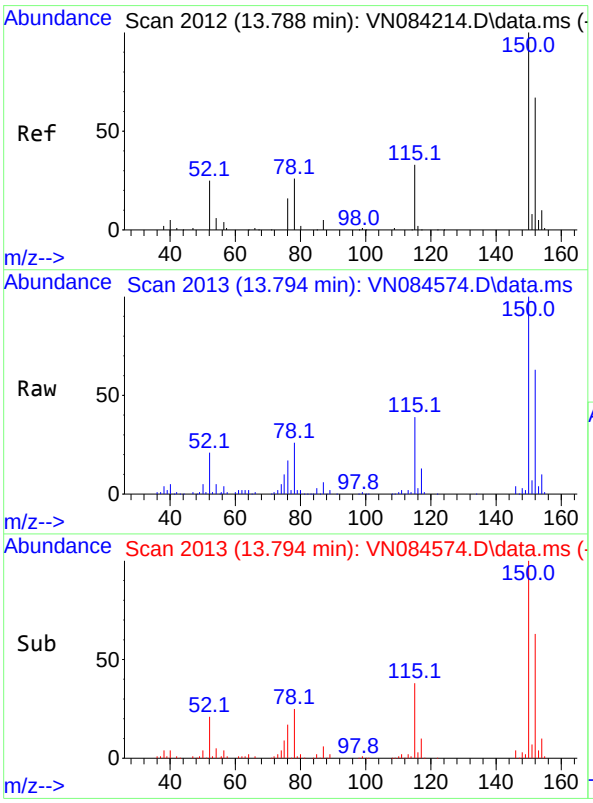
#71
Bromoform
Concen: 5.161 ug/l
RT: 12.577 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 7686

Ion	Ratio	Lower	Upper
173	100		
175	50.5	23.5	70.6
254	0.0	0.0	0.0

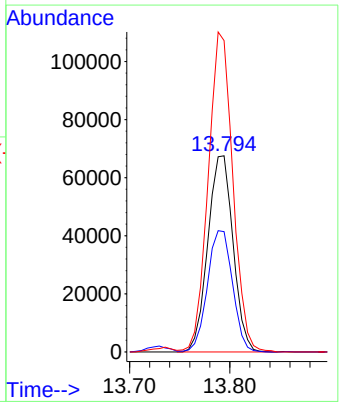


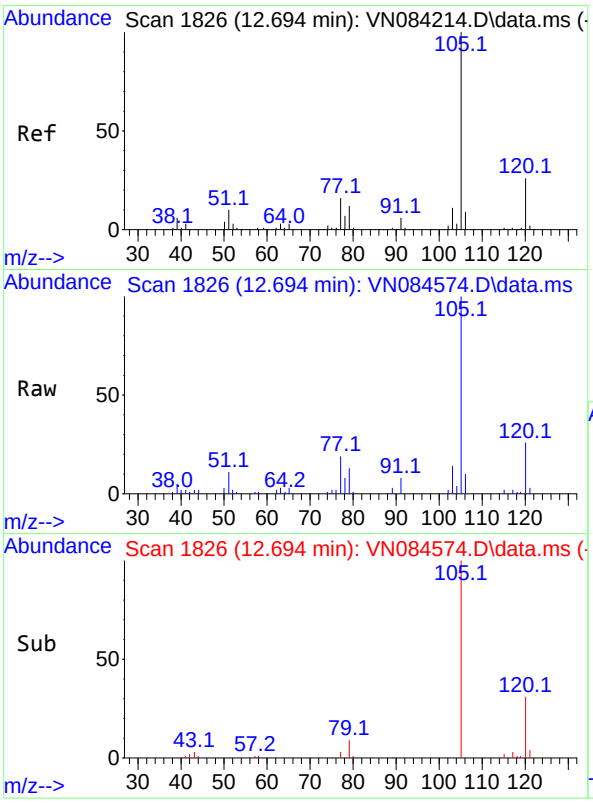


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:152 Resp: 118229

Ion	Ratio	Lower	Upper
152	100		
115	61.4	31.3	93.9
150	159.1	0.0	349.8



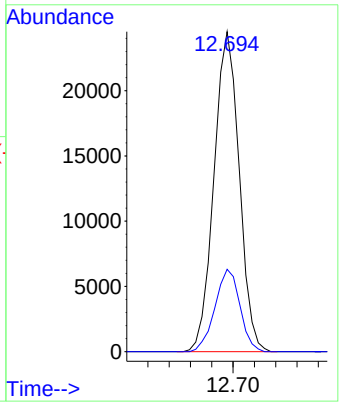


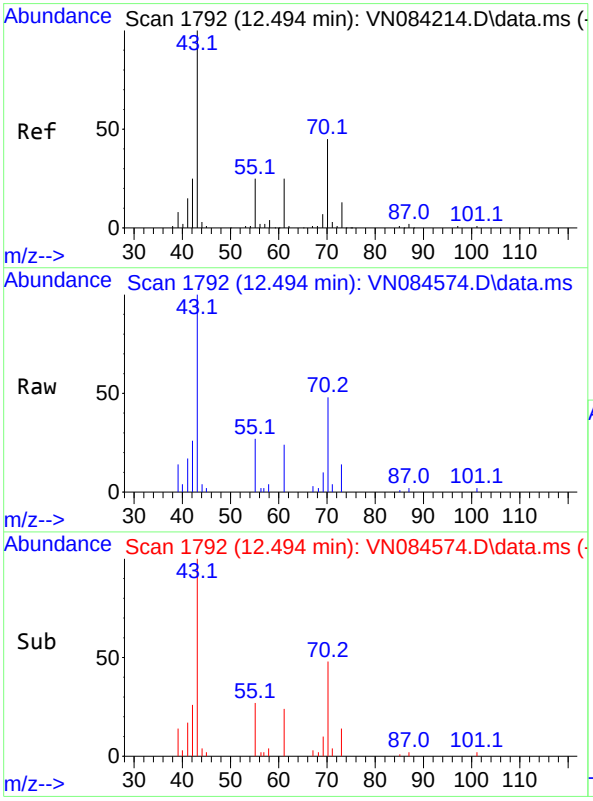
#73
Isopropylbenzene
Concen: 4.855 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 40223

Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.9	38.7

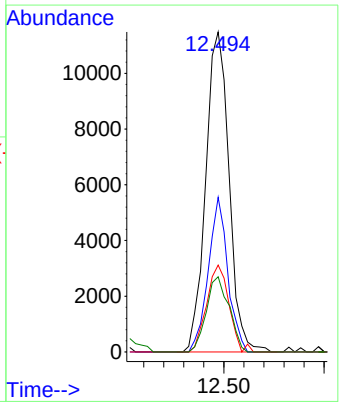


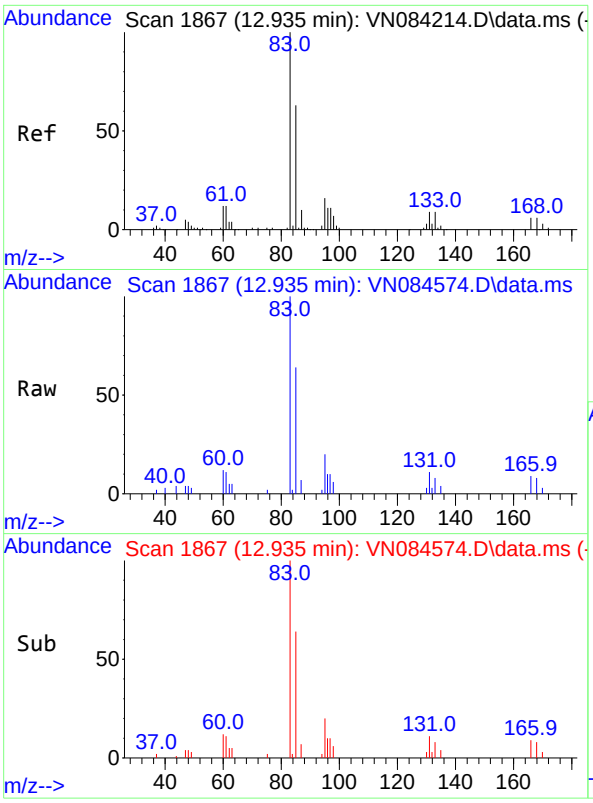


#74
N-amyl acetate
Concen: 5.270 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 43 Resp: 18583

Ion	Ratio	Lower	Upper
43	100		
70	40.5	34.4	51.6
55	25.9	19.6	29.4
61	22.9	19.6	29.4



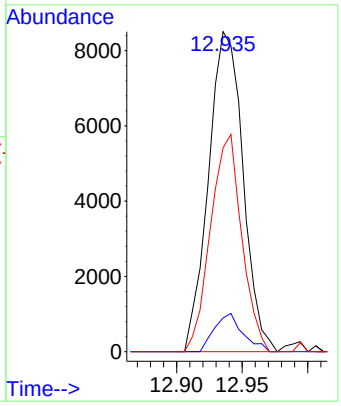


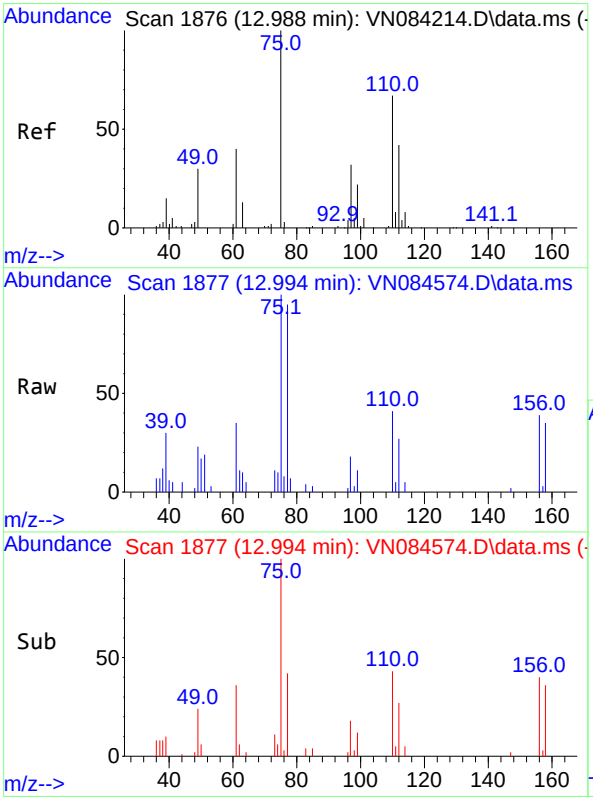
#75
1,1,2,2-Tetrachloroethane
Concen: 5.631 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 15573

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	61.3	31.9	95.7

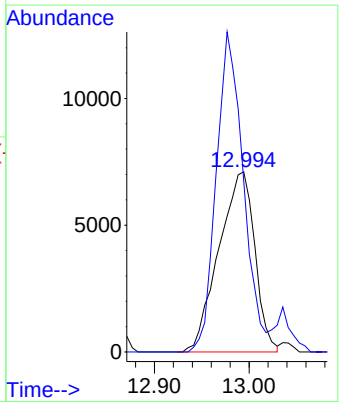


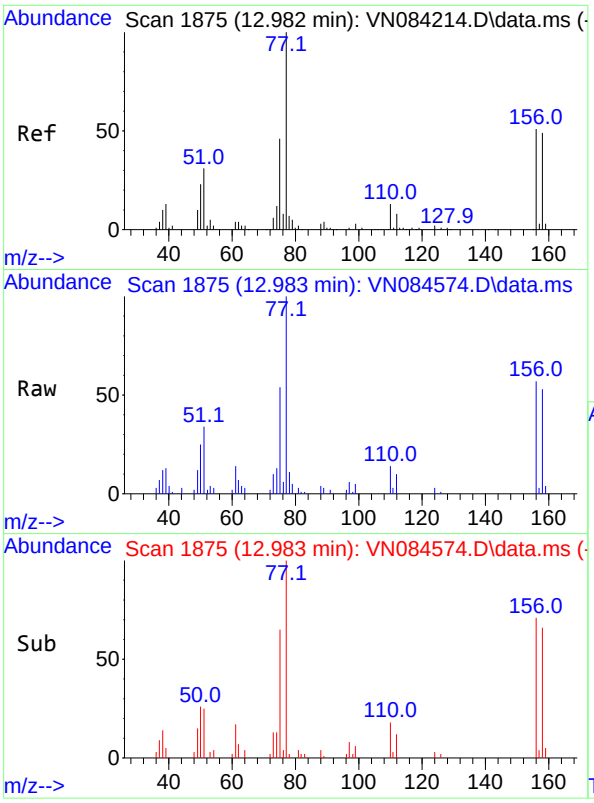


#76
1,2,3-Trichloropropane
Concen: 8.021 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 75 Resp: 18713

Ion	Ratio	Lower	Upper
75	100		
77	133.5	96.9	290.7



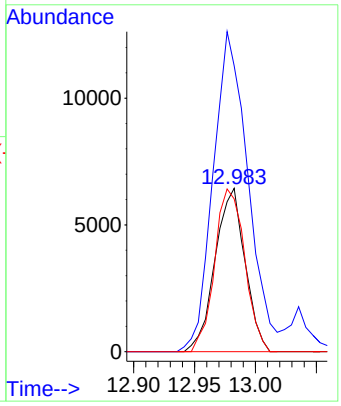


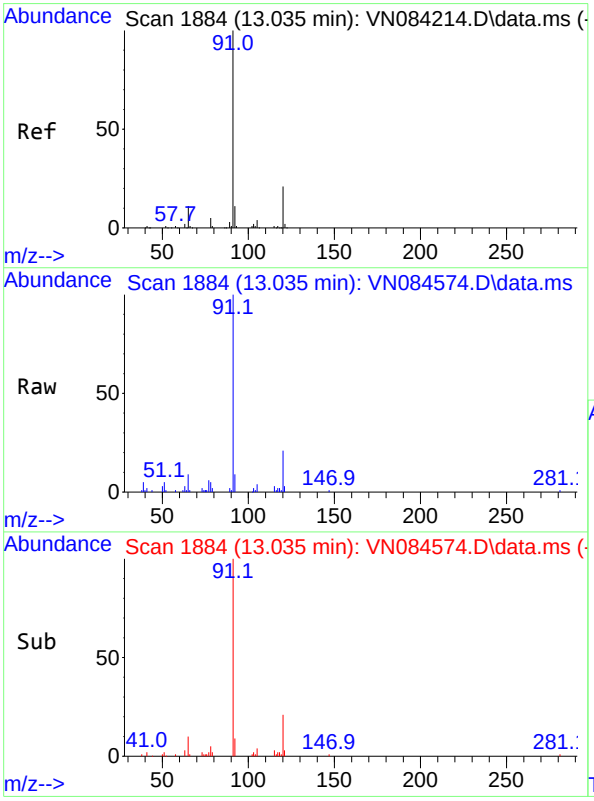
#77
Bromobenzene
Concen: 4.944 ug/l
RT: 12.983 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 11012

Ion	Ratio	Lower	Upper
156	100		
77	226.9	115.1	345.3
158	100.2	48.9	146.8

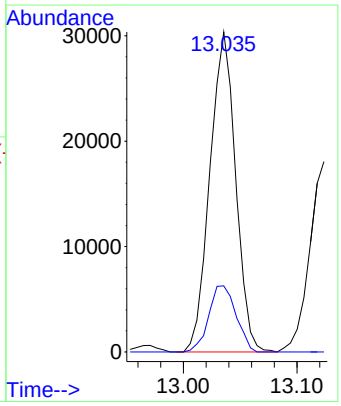


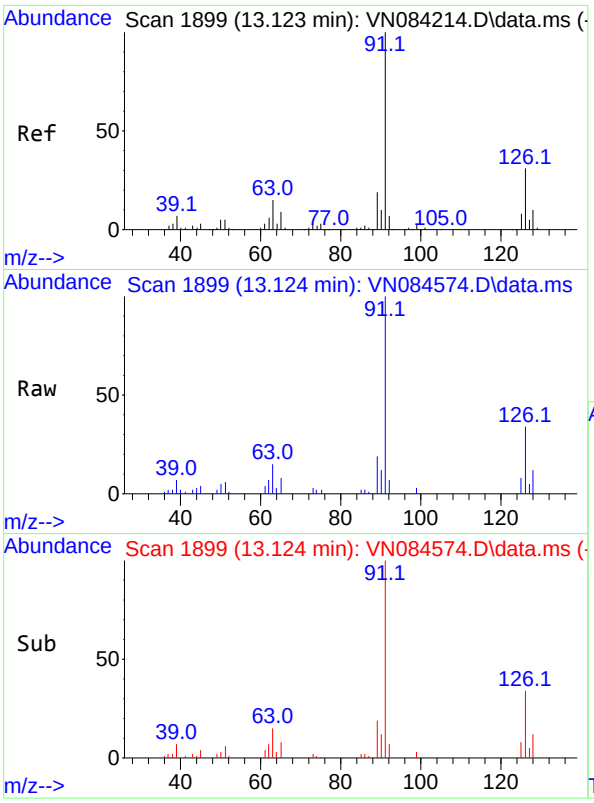


#78
n-propylbenzene
Concen: 4.921 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 91 Resp: 47776

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.4



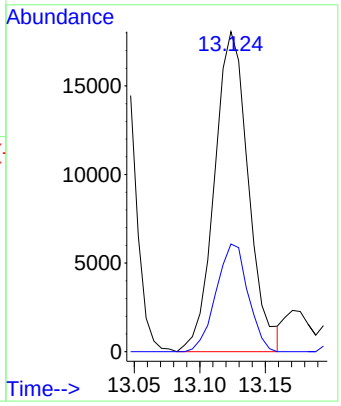


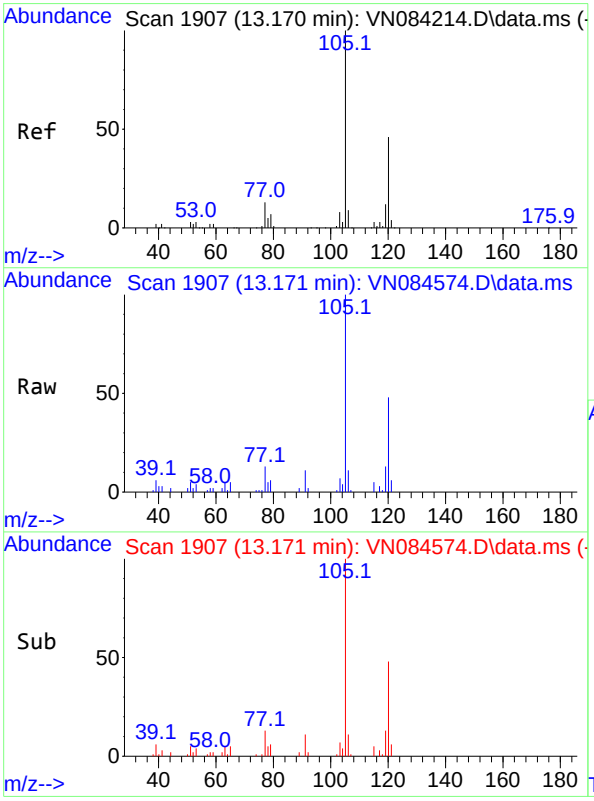
#79
2-Chlorotoluene
Concen: 5.117 ug/l
RT: 13.124 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 32460

Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.7	47.1

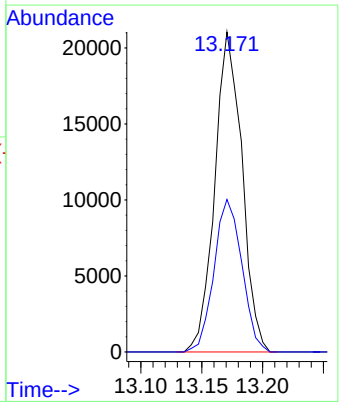


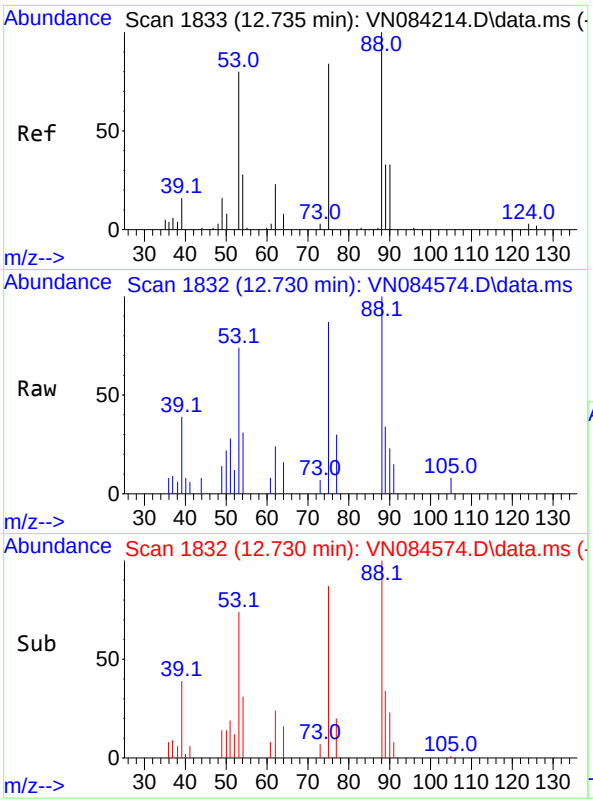


#80
1,3,5-Trimethylbenzene
Concen: 4.760 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:105 Resp: 32685

Ion	Ratio	Lower	Upper
105	100		
120	48.9	23.7	71.1



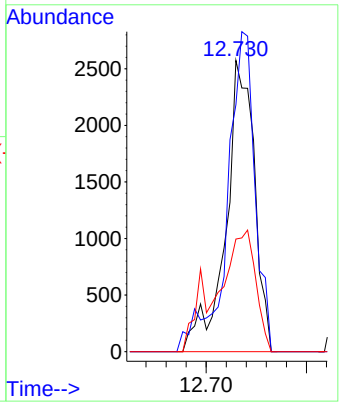


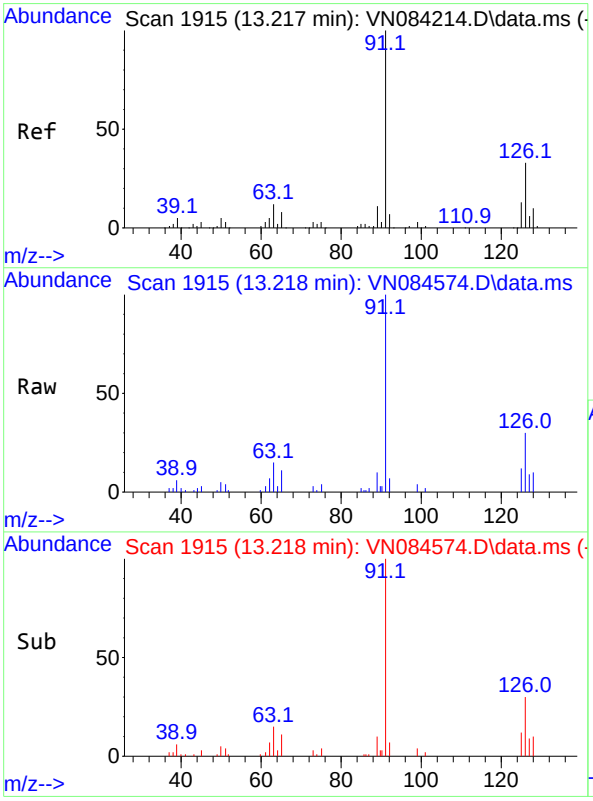
#81
trans-1,4-Dichloro-2-butene
Concen: 5.116 ug/l
RT: 12.730 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 5096

Ion	Ratio	Lower	Upper
75	100		
53	106.8	78.0	117.0
89	43.5	35.5	53.3

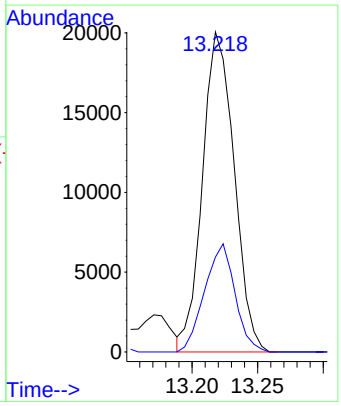


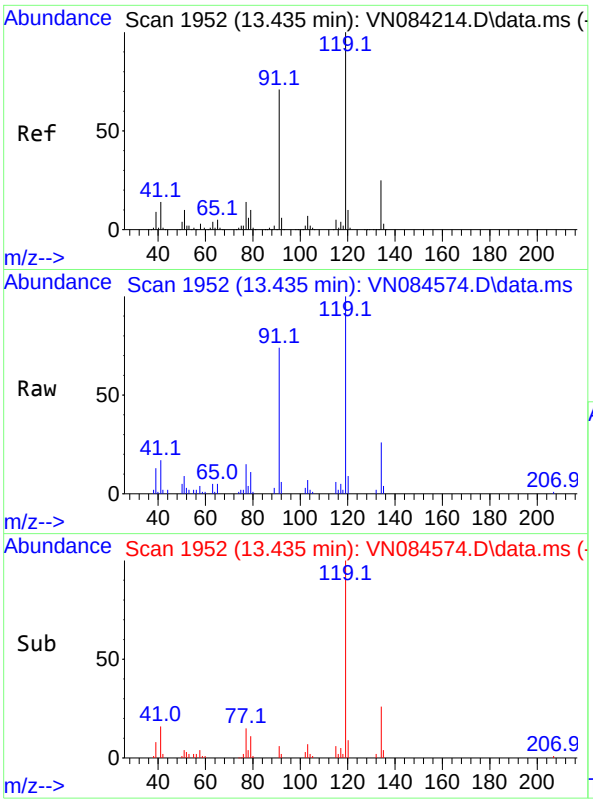


#82
4-Chlorotoluene
Concen: 5.044 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 91 Resp: 33672

Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.7	47.1



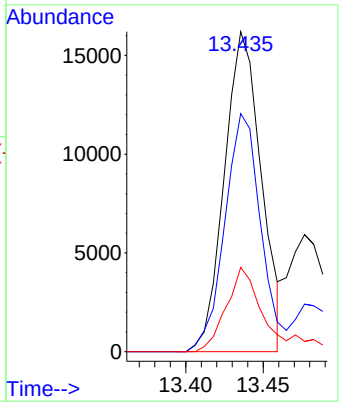


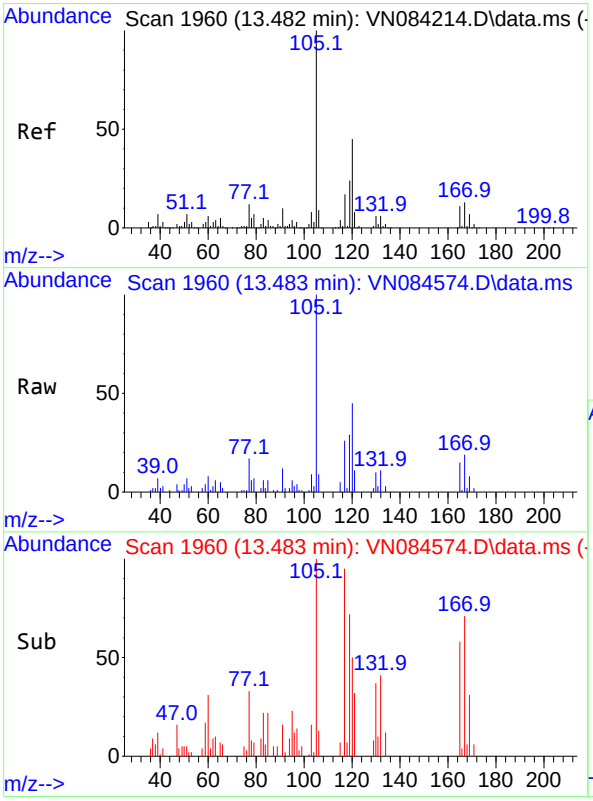
#83
tert-Butylbenzene
Concen: 4.724 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 26850

Ion	Ratio	Lower	Upper
119	100		
91	72.6	34.1	102.3
134	27.9	12.8	38.4

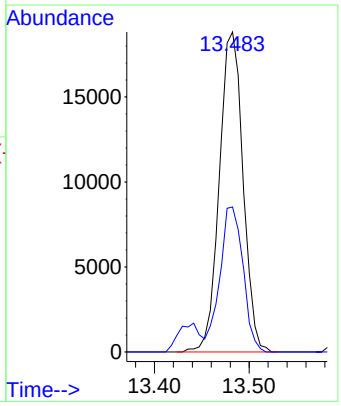


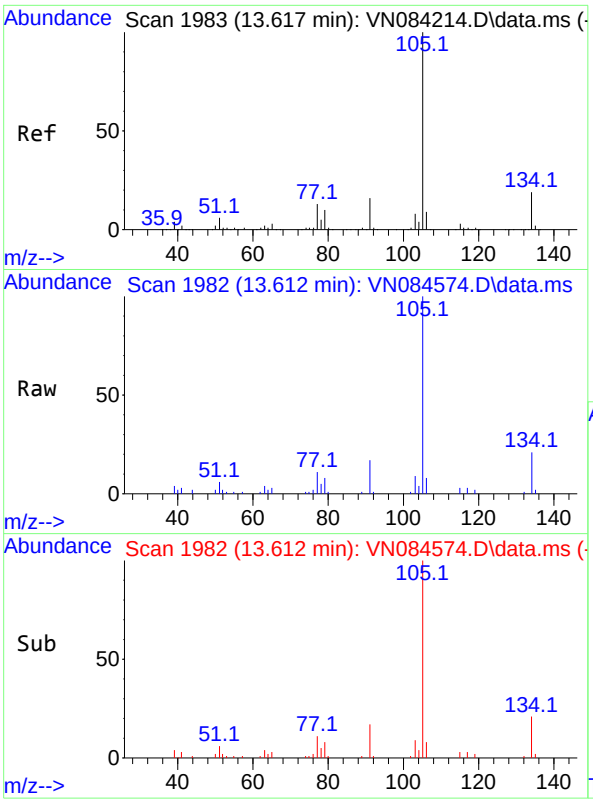


#84
1,2,4-Trimethylbenzene
Concen: 4.614 ug/l
RT: 13.483 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:105 Resp: 32703

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.3	66.8



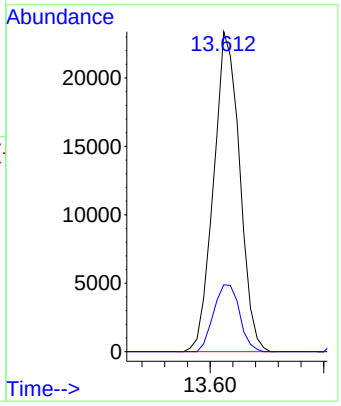


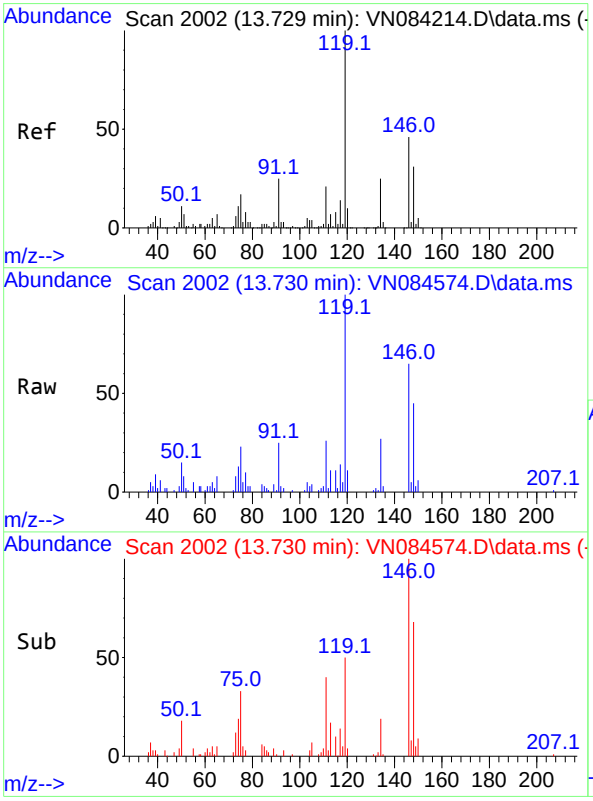
#85
sec-Butylbenzene
Concen: 4.632 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 37187

Ion	Ratio	Lower	Upper
105	100		
134	20.8	9.8	29.4

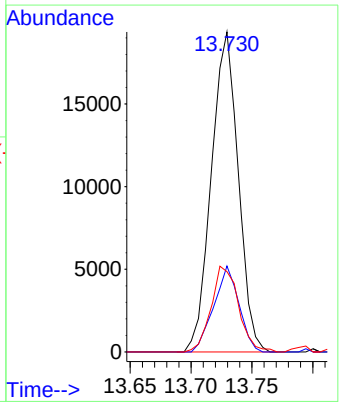


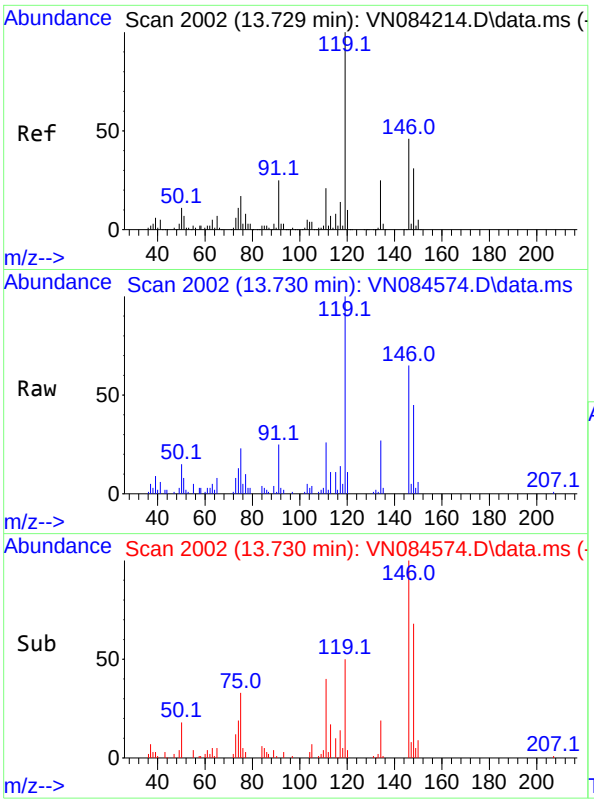


#86
p-Isopropyltoluene
Concen: 4.521 ug/l
RT: 13.730 min Scan# 2002
Delta R.T. 0.001 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:119 Resp: 29767

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.6	37.8
91	27.2	12.4	37.2



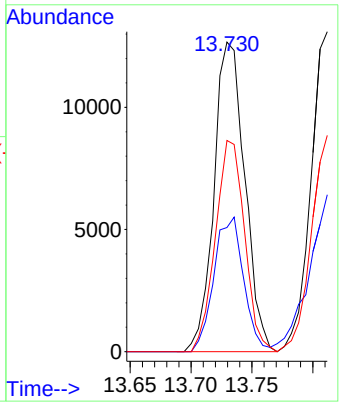


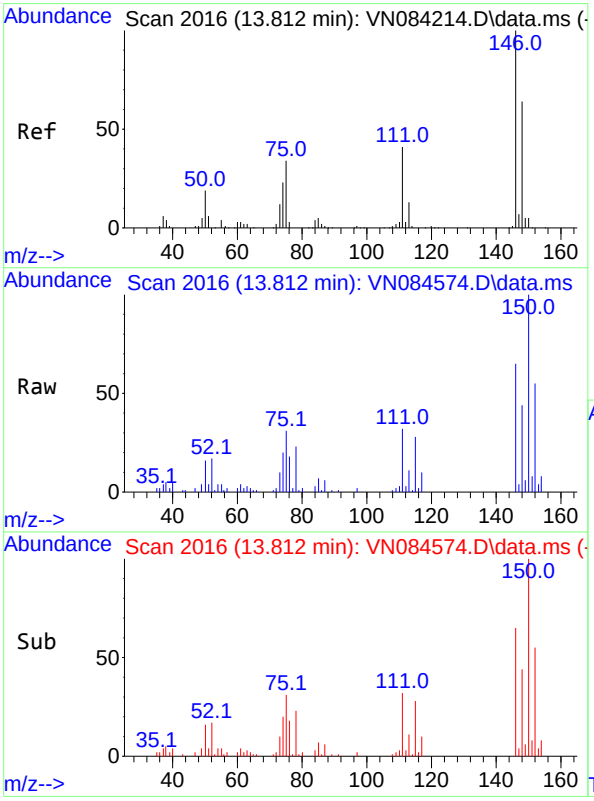
#87
1,3-Dichlorobenzene
Concen: 5.124 ug/l
RT: 13.730 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 22272

Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.8	65.3
148	64.7	31.9	95.7

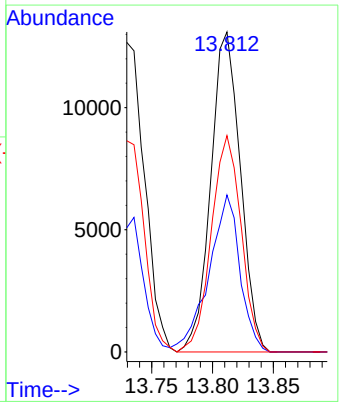


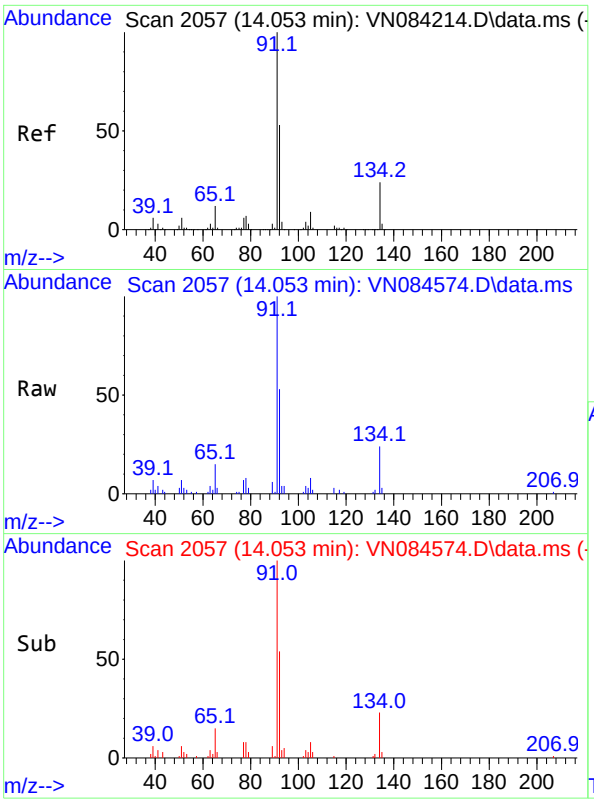


#88
1,4-Dichlorobenzene
Concen: 4.741 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:146 Resp: 22213

Ion	Ratio	Lower	Upper
146	100		
111	51.5	21.2	63.6
148	68.1	31.9	95.9



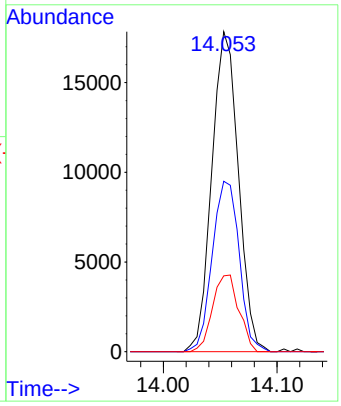


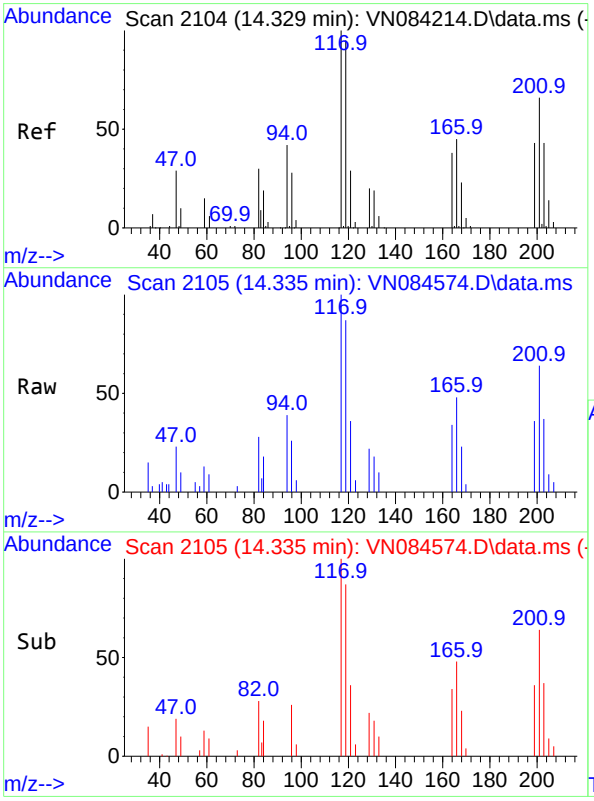
#89
n-Butylbenzene
Concen: 4.710 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 29010

Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.6	79.7
134	23.7	12.3	36.9

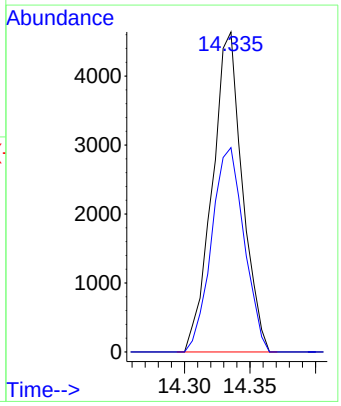


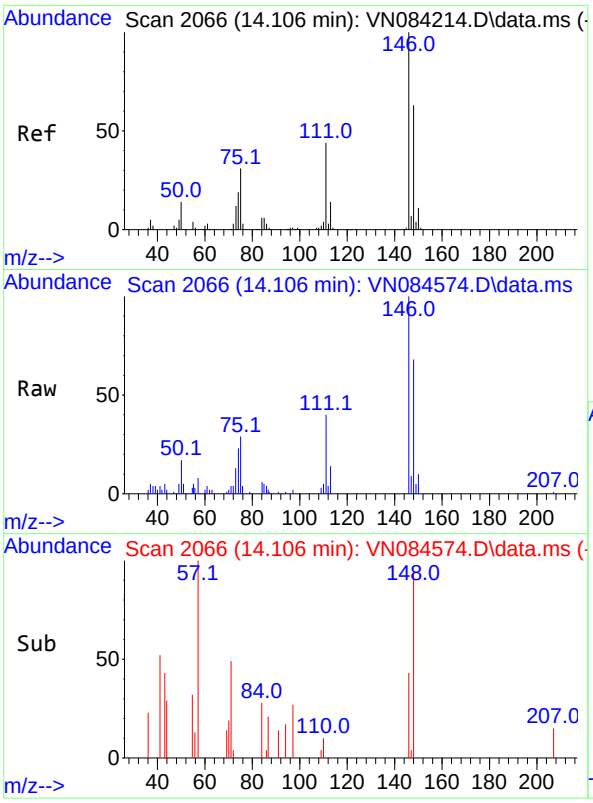


#90
Hexachloroethane
Concen: 5.043 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:117 Resp: 7404

Ion	Ratio	Lower	Upper
117	100		
201	69.0	34.4	103.2



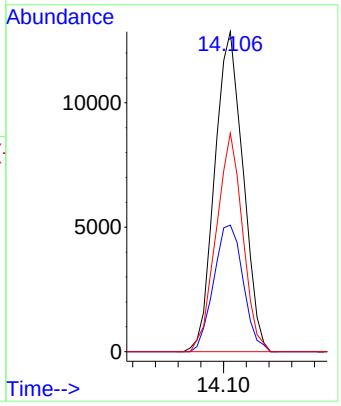


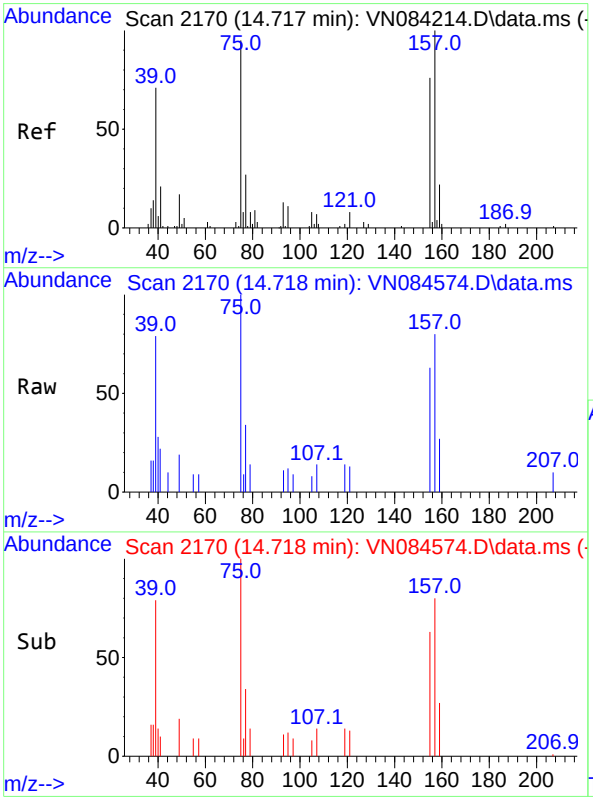
#91
1,2-Dichlorobenzene
Concen: 5.320 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 22221

Ion	Ratio	Lower	Upper
146	100		
111	41.3	22.0	66.0
148	64.0	32.1	96.3

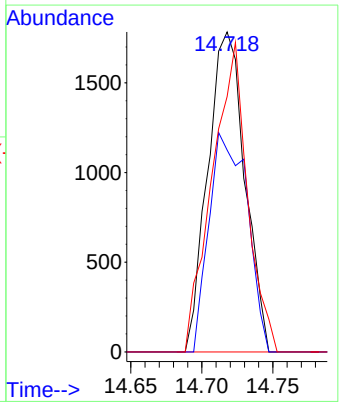


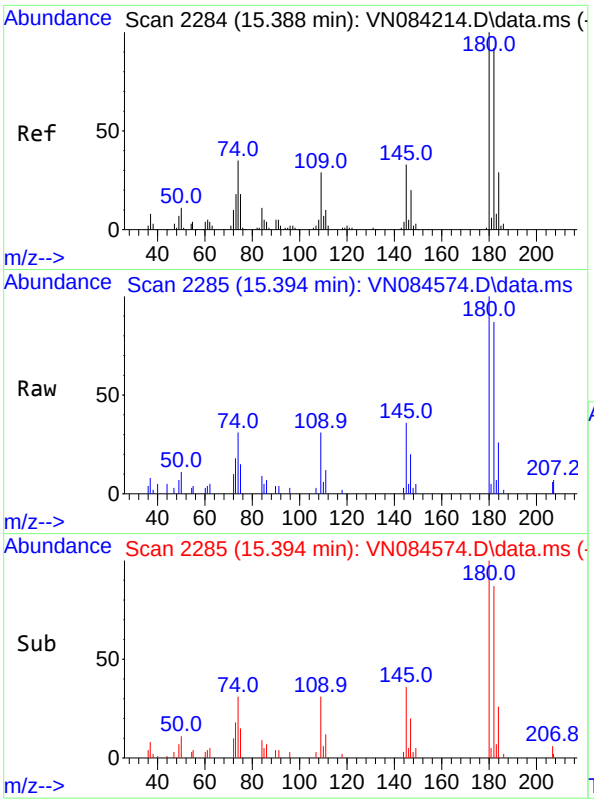


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.781 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 75 Resp: 3239

Ion	Ratio	Lower	Upper
75	100		
155	70.5	38.1	114.5
157	91.9	49.6	149.0



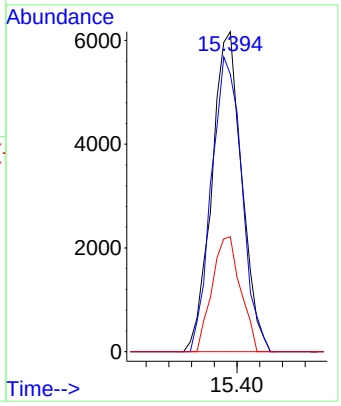


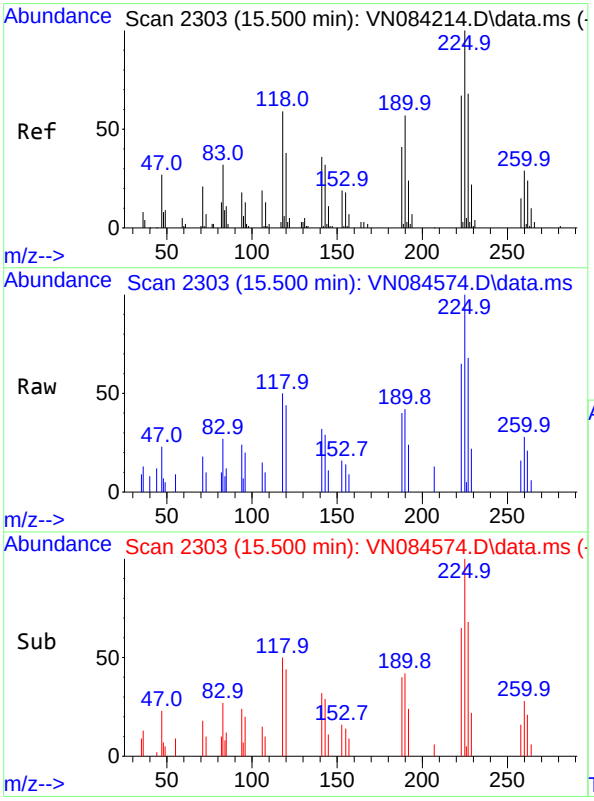
#93
1,2,4-Trichlorobenzene
Concen: 4.942 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 11298

Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.0	141.0
145	33.9	16.4	49.4

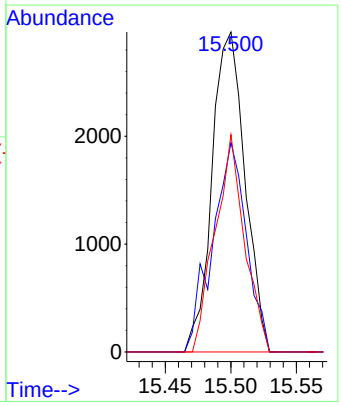


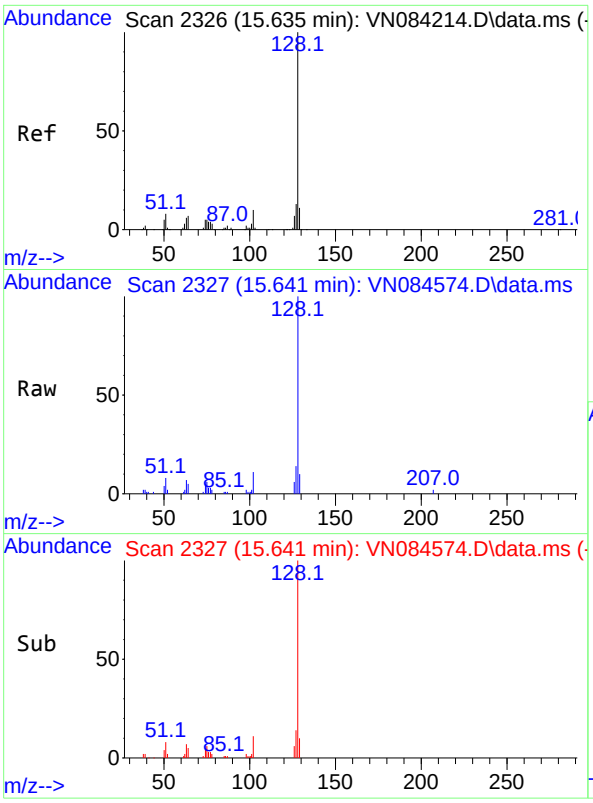


#94
Hexachlorobutadiene
Concen: 5.163 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:225 Resp: 5184

Ion	Ratio	Lower	Upper
225	100		
223	67.7	32.4	97.2
227	60.8	32.4	97.0



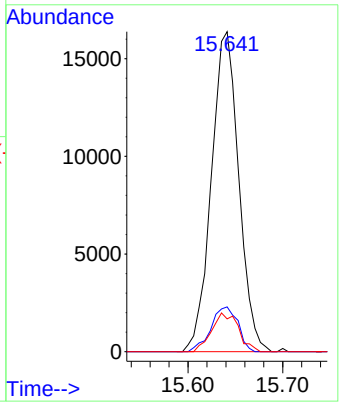


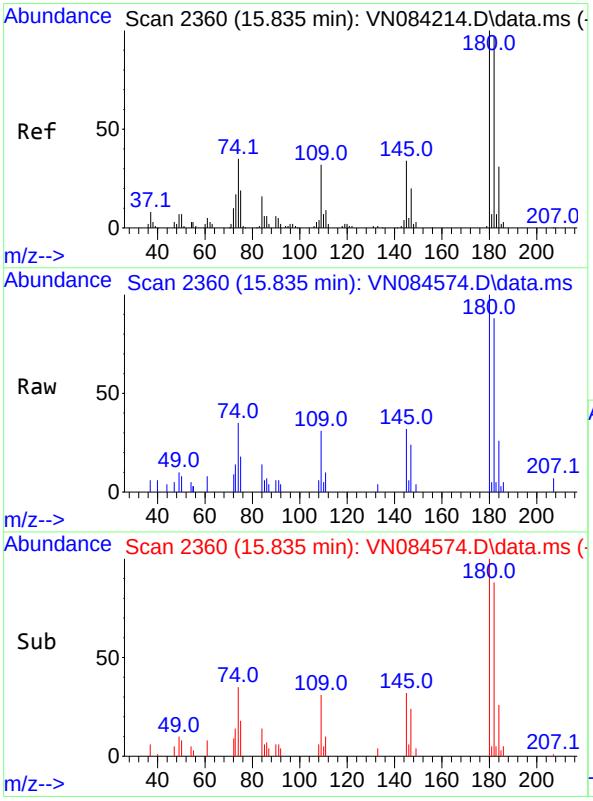
#95
Naphthalene
Concen: 4.817 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 32966

Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.5	15.7
129	11.9	8.7	13.1

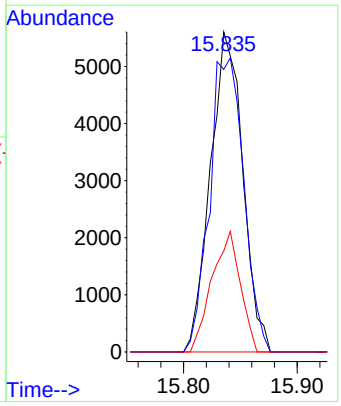




#96
1,2,3-Trichlorobenzene
Concen: 5.004 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:180 Resp: 11106

Ion	Ratio	Lower	Upper
180	100		
182	97.1	48.2	144.6
145	33.0	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084575.D
Acq On : 30 Oct 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Oct 31 18:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:13:36 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	168991	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	297772	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	250990	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	109560	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.565	65	2874	1.177	ug/l		-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery =	2.360%#			
35) Dibromofluoromethane	8.165	113	2182	1.083	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	2.160%#			
50) Toluene-d8	10.565	98	7251	0.977	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	1.960%#			
62) 4-Bromofluorobenzene	12.853	95	3420	1.233	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	2.460%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	1964	1.011	ug/l		100
3) Chloromethane	2.365	50	6046	1.880	ug/l	#	80
4) Vinyl Chloride	2.512	62	1963	0.939	ug/l		89
5) Bromomethane	2.906	94	1610	1.454	ug/l		99
6) Chloroethane	3.083	64	2917	0.885	ug/l		98
7) Trichlorofluoromethane	3.471	101	3621	1.052	ug/l	#	74
8) Diethyl Ether	3.953	74	692	0.570	ug/l	#	32
9) 1,1,2-Trichlorotrifluo...	4.359	101	1982	1.019	ug/l		90
10) Methyl Iodide	4.571	142	2914	1.121	ug/l	#	89
11) Tert butyl alcohol	5.489	59	1146	3.557	ug/l	#	73
12) 1,1-Dichloroethene	4.336	96	2177	1.131	ug/l	#	68
13) Acrolein	4.177	56	1775	5.525	ug/l		84
14) Allyl chloride	5.006	41	2869	0.919	ug/l	#	29
15) Acrylonitrile	5.730	53	4443	4.764	ug/l	#	55
16) Acetone	4.430	43	2439	0.614	ug/l		97
17) Carbon Disulfide	4.700	76	7155	1.207	ug/l	#	93
18) Methyl Acetate	5.024	43	7743	1.954	ug/l	#	89
19) Methyl tert-butyl Ether	5.806	73	5314	0.901	ug/l		95
20) Methylene Chloride	5.271	84	2029	0.945	ug/l	#	81
21) trans-1,2-Dichloroethene	5.789	96	2030	1.027	ug/l	#	78
22) Diisopropyl ether	6.665	45	5485	0.884	ug/l	#	89
23) Vinyl Acetate	6.600	43	18413	4.306	ug/l		96
24) 1,1-Dichloroethane	6.553	63	3491	0.938	ug/l	#	83
25) 2-Butanone	7.494	43	5644	4.956	ug/l	#	88
26) 2,2-Dichloropropane	7.488	77	3152	0.973	ug/l	#	70
27) cis-1,2-Dichloroethene	7.477	96	2275	0.986	ug/l	#	75
28) Bromochloromethane	7.812	49	1450	0.978	ug/l	#	97
29) Tetrahydrofuran	7.847	42	3321	4.396	ug/l		96
30) Chloroform	7.965	83	3463	0.914	ug/l		87
31) Cyclohexane	8.218	56	2493	0.740	ug/l	#	1
32) 1,1,1-Trichloroethane	8.171	97	3312	0.960	ug/l	#	34
36) 1,1-Dichloropropene	8.365	75	2825	1.011	ug/l		97
37) Ethyl Acetate	7.559	43	2440	0.962	ug/l	#	88
38) Carbon Tetrachloride	8.353	117	2904	0.929	ug/l	#	73
39) Methylcyclohexane	9.600	83	2212	0.778	ug/l		89
40) Benzene	8.600	78	9169	1.021	ug/l		94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084575.D
Acq On : 30 Oct 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Oct 31 18:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:13:36 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	1095	0.803 ug/l #	84
42) 1,2-Dichloroethane	8.665	62	2733	0.940 ug/l	81
43) Isopropyl Acetate	8.688	43	7724	0.697 ug/l #	78
44) Trichloroethene	9.353	130	2306	1.114 ug/l	74
45) 1,2-Dichloropropane	9.624	63	1967	0.934 ug/l #	86
46) Dibromomethane	9.712	93	1472	0.991 ug/l	93
47) Bromodichloromethane	9.882	83	3156	1.008 ug/l #	96
48) Methyl methacrylate	9.682	41	1652	0.837 ug/l #	84
49) 1,4-Dioxane	9.700	88	576	16.468 ug/l #	73
51) 4-Methyl-2-Pentanone	10.441	43	10237	4.234 ug/l	92
52) Toluene	10.629	92	4507	0.858 ug/l	89
53) t-1,3-Dichloropropene	10.835	75	3308	1.020 ug/l	93
54) cis-1,3-Dichloropropene	10.312	75	3266	0.952 ug/l #	94
55) 1,1,2-Trichloroethane	11.012	97	1841	0.931 ug/l #	86
56) Ethyl methacrylate	10.876	69	2211	0.773 ug/l	94
57) 1,3-Dichloropropane	11.165	76	3139	0.925 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	4979	3.720 ug/l #	87
59) 2-Hexanone	11.194	43	7617	4.328 ug/l	89
60) Dibromochloromethane	11.353	129	1857	0.824 ug/l	88
61) 1,2-Dibromoethane	11.465	107	2001	0.988 ug/l	89
64) Tetrachloroethene	11.100	164	1629	0.976 ug/l #	69
65) Chlorobenzene	11.894	112	5753	1.025 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	2002	1.025 ug/l #	61
67) Ethyl Benzene	11.965	91	8520	0.909 ug/l	98
68) m/p-Xylenes	12.070	106	6568	1.851 ug/l	96
69) o-Xylene	12.400	106	2759	0.831 ug/l	99
70) Styrene	12.406	104	5269	0.910 ug/l	95
71) Bromoform	12.582	173	1434	0.976 ug/l #	95
73) Isopropylbenzene	12.694	105	6985	0.910 ug/l	99
74) N-amyl acetate	12.488	43	2680	0.820 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.929	83	2678	1.045 ug/l #	91
76) 1,2,3-Trichloropropane	12.994	75	3610	1.670 ug/l	71
77) Bromobenzene	12.982	156	2440	1.182 ug/l	95
78) n-propylbenzene	13.035	91	7935	0.882 ug/l	95
79) 2-Chlorotoluene	13.123	91	5699	0.969 ug/l	96
80) 1,3,5-Trimethylbenzene	13.170	105	5298	0.833 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	789	0.855 ug/l	96
82) 4-Chlorotoluene	13.223	91	6682	1.080 ug/l	96
83) tert-Butylbenzene	13.435	119	4148	0.788 ug/l	89
84) 1,2,4-Trimethylbenzene	13.482	105	5651	0.860 ug/l	98
85) sec-Butylbenzene	13.617	105	6490	0.872 ug/l	93
86) p-Isopropyltoluene	13.729	119	4859	0.796 ug/l	94
87) 1,3-Dichlorobenzene	13.729	146	4961	1.232 ug/l	95
88) 1,4-Dichlorobenzene	13.729	146	4961	0.498 ug/l	96
89) n-Butylbenzene	14.059	91	6020	1.055 ug/l	95
90) Hexachloroethane	14.329	117	1493	1.097 ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	4428	1.144 ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.717	75	595	1.146 ug/l	83
93) 1,2,4-Trichlorobenzene	15.394	180	2964	1.399 ug/l	98
94) Hexachlorobutadiene	15.506	225	1208	1.298 ug/l	88
95) Naphthalene	15.635	128	7352	1.159 ug/l	96
96) 1,2,3-Trichlorobenzene	15.835	180	2605	1.267 ug/l	91

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084575.D
Acq On : 30 Oct 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Oct 31 18:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:13:36 2024
Response via : Initial Calibration

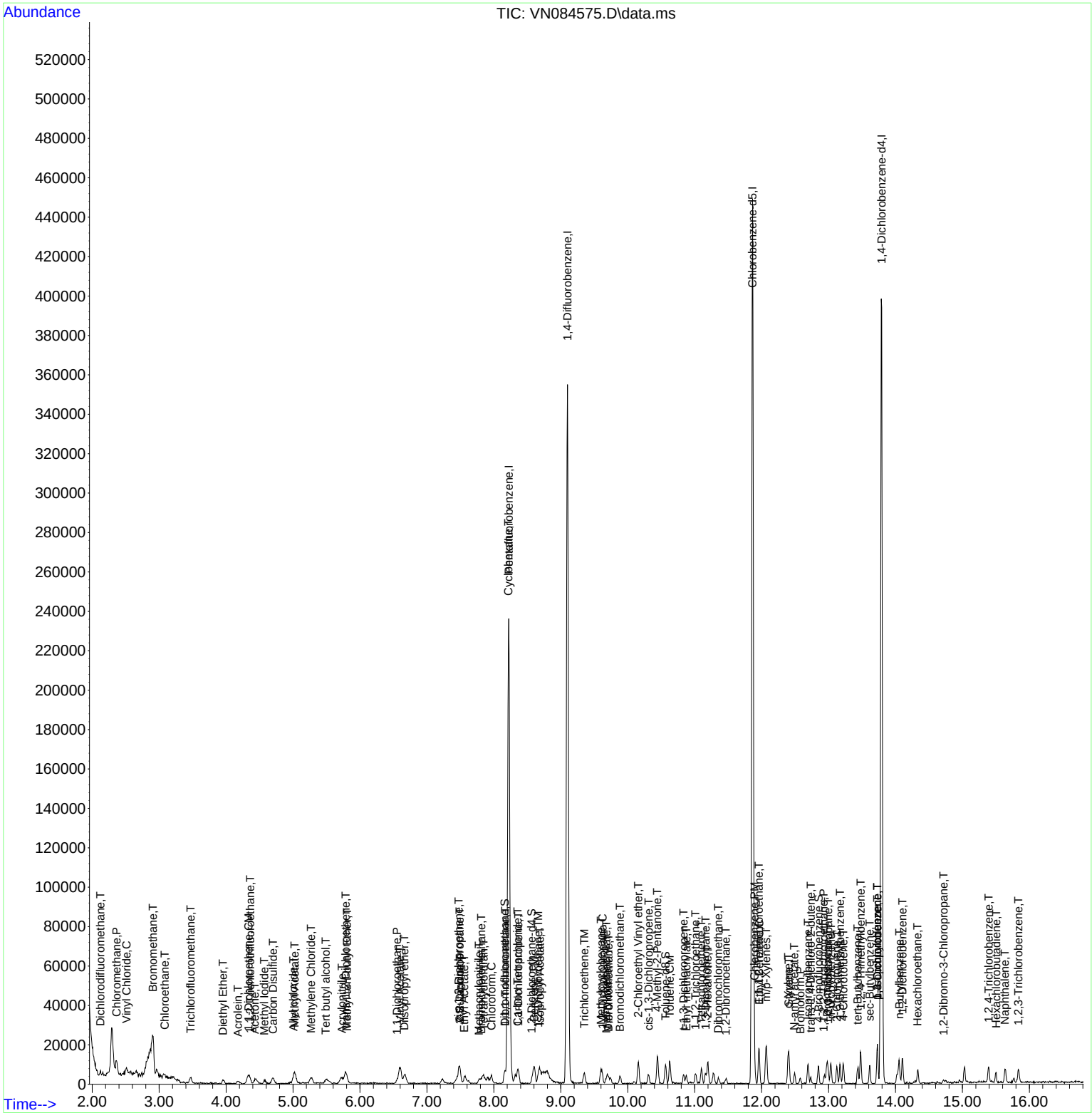
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

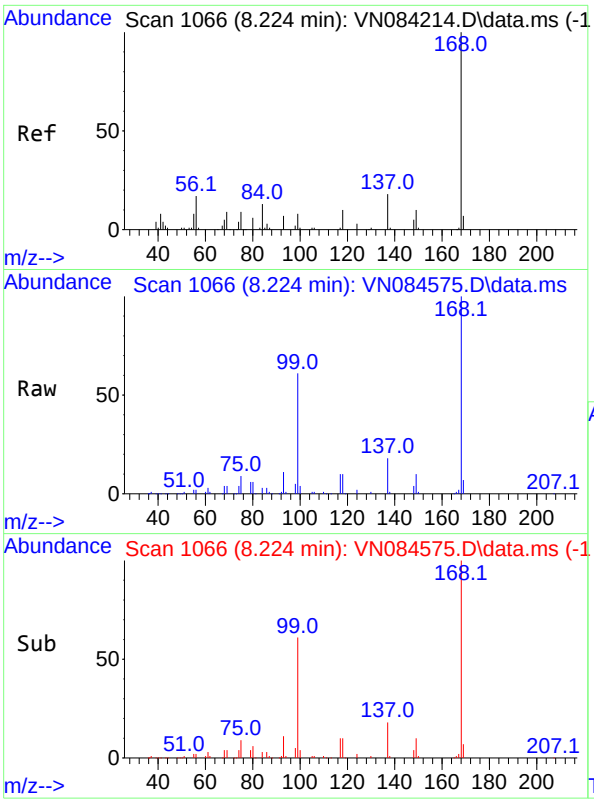
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084575.D
Acq On : 30 Oct 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Oct 31 18:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:13:36 2024
Response via : Initial Calibration



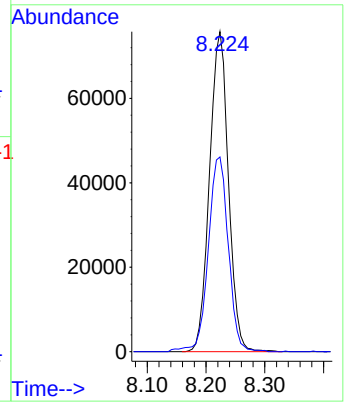


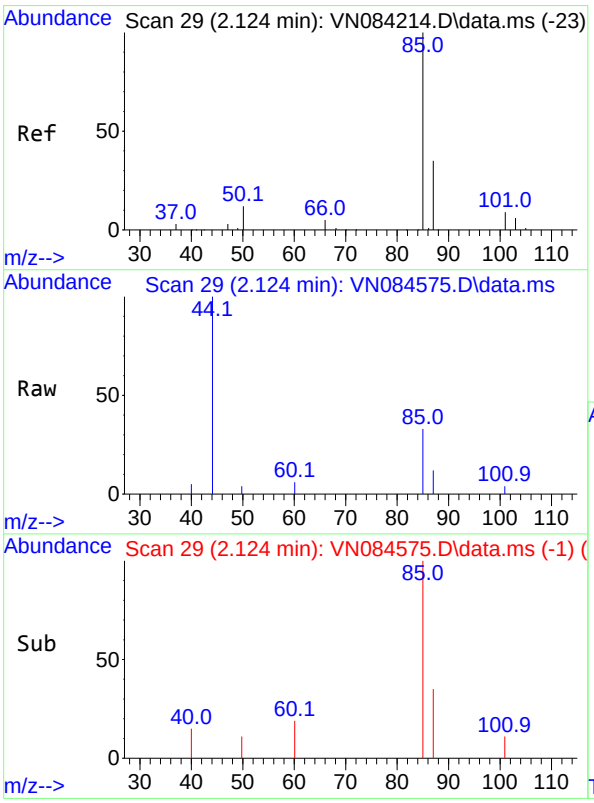
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 168991

Ion	Ratio	Lower	Upper
168	100		
99	60.9	54.2	81.2

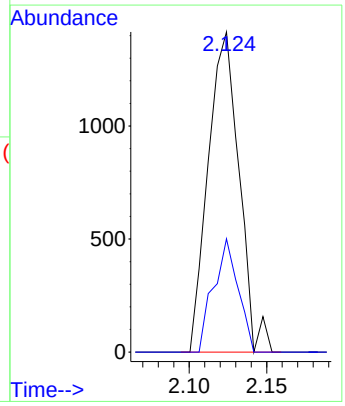


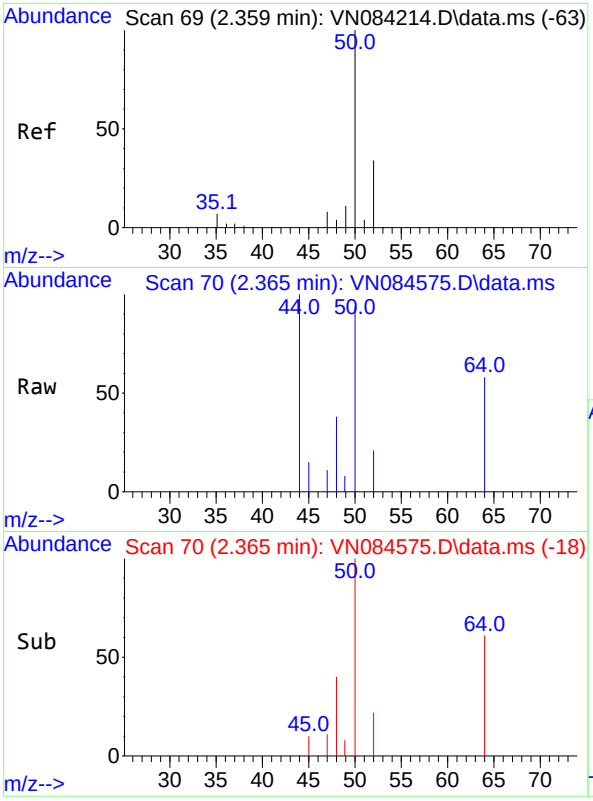


#2
Dichlorodifluoromethane
Concen: 1.011 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 85 Resp: 1964

Ion	Ratio	Lower	Upper
85	100		
87	35.4	17.6	52.9



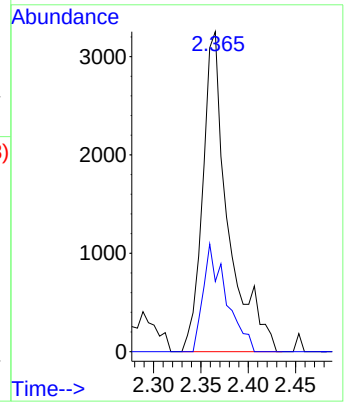


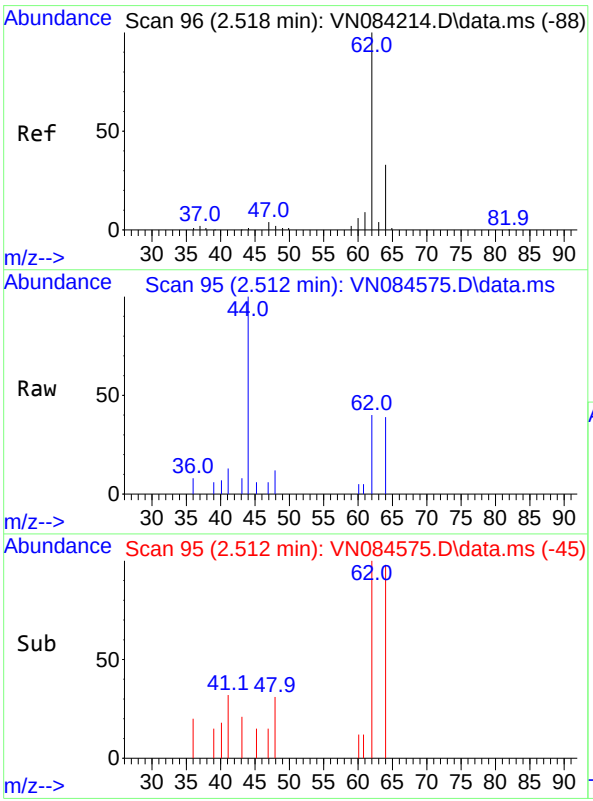
#3
Chloromethane
Concen: 1.880 ug/l
RT: 2.365 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 6046

Ion	Ratio	Lower	Upper
50	100		
52	21.9	26.8	40.2#

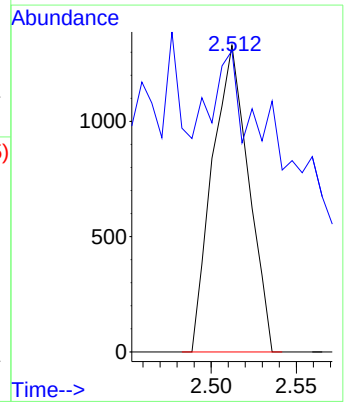


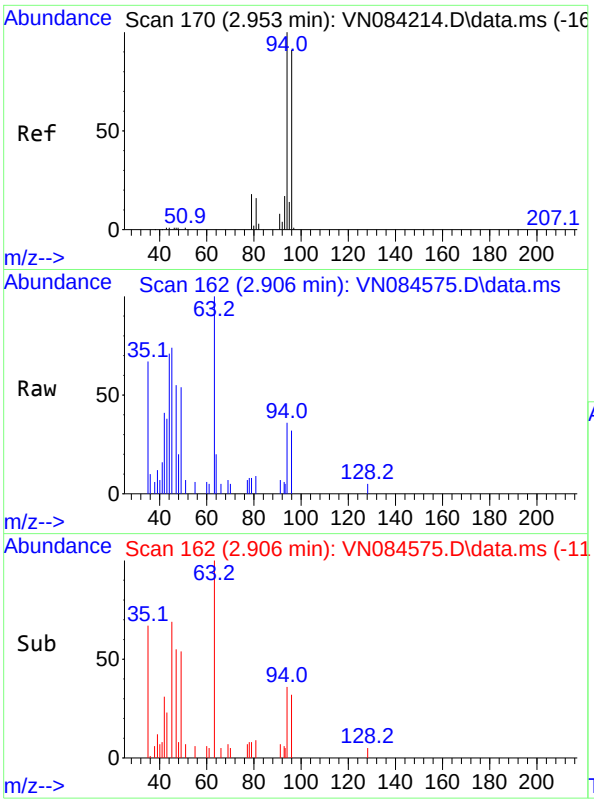


#4
Vinyl Chloride
Concen: 0.939 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 62 Resp: 1963

Ion	Ratio	Lower	Upper
62	100		
64	38.9	26.2	39.4



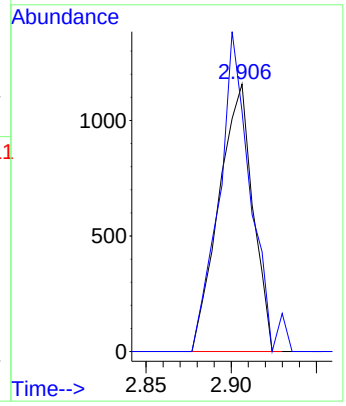


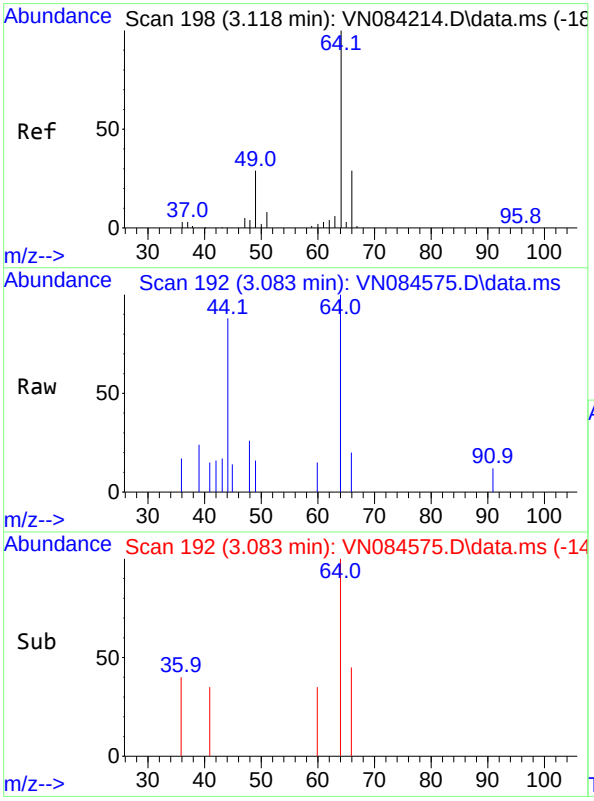
#5
Bromomethane
Concen: 1.454 ug/l
RT: 2.906 min Scan# 1
Delta R.T. -0.047 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 1610

Ion	Ratio	Lower	Upper
94	100		
96	89.8	72.9	109.3

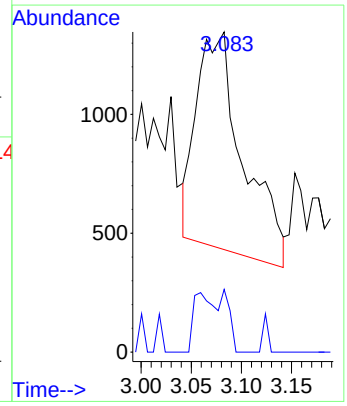


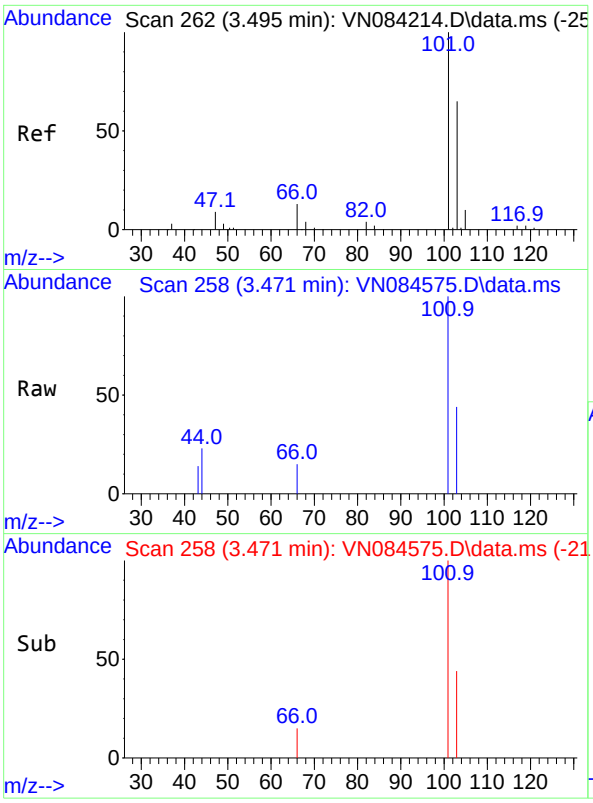


#6
Chloroethane
Concen: 0.885 ug/l
RT: 3.083 min Scan# 192
Delta R.T. -0.035 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 64 Resp: 2917

Ion	Ratio	Lower	Upper
64	100		
66	30.6	23.5	35.3



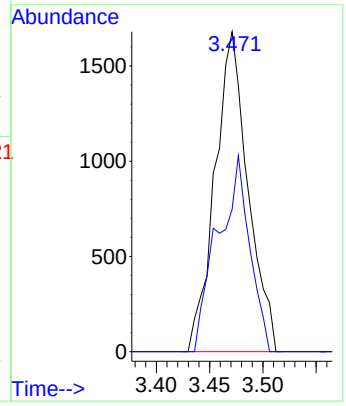


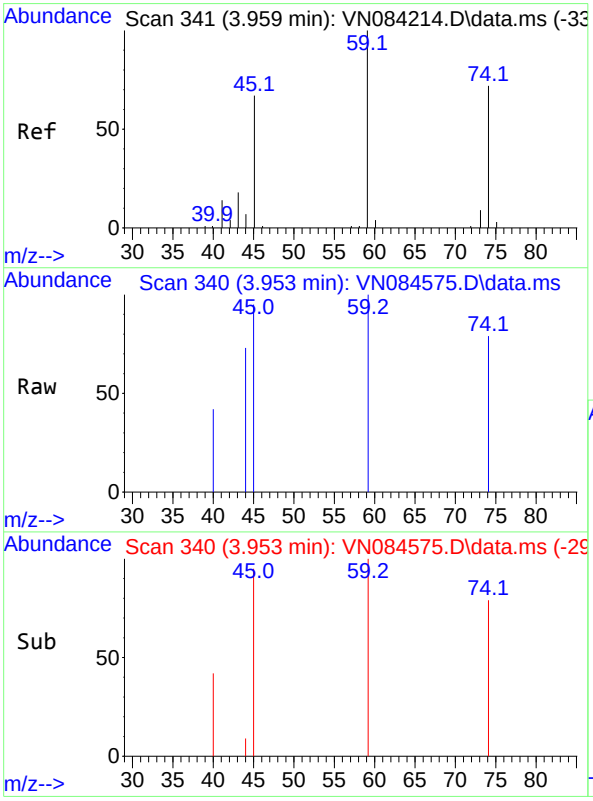
#7
Trichlorofluoromethane
Concen: 1.052 ug/l
RT: 3.471 min Scan# 2
Delta R.T. -0.024 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 3621

Ion	Ratio	Lower	Upper
101	100		
103	44.5	51.8	77.6#

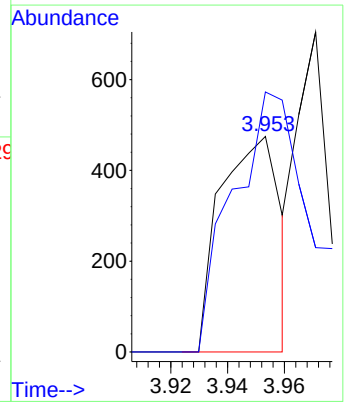


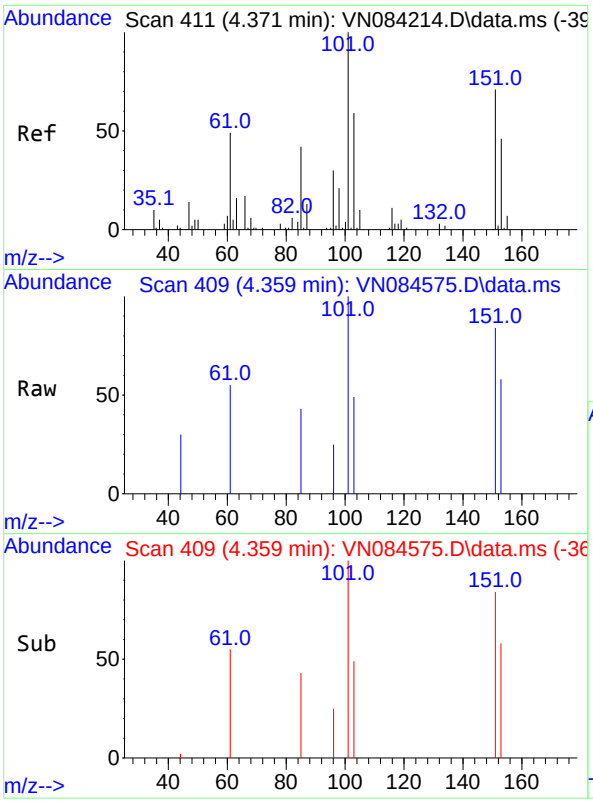


#8
Diethyl Ether
Concen: 0.570 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 74 Resp: 692

Ion	Ratio	Lower	Upper
74	100		
45	161.6	47.7	143.1#



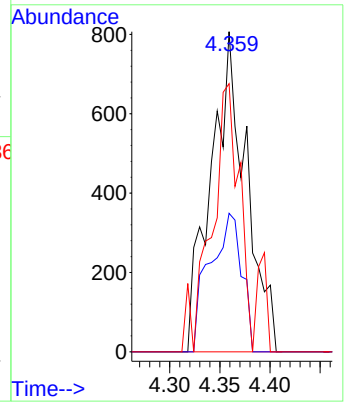


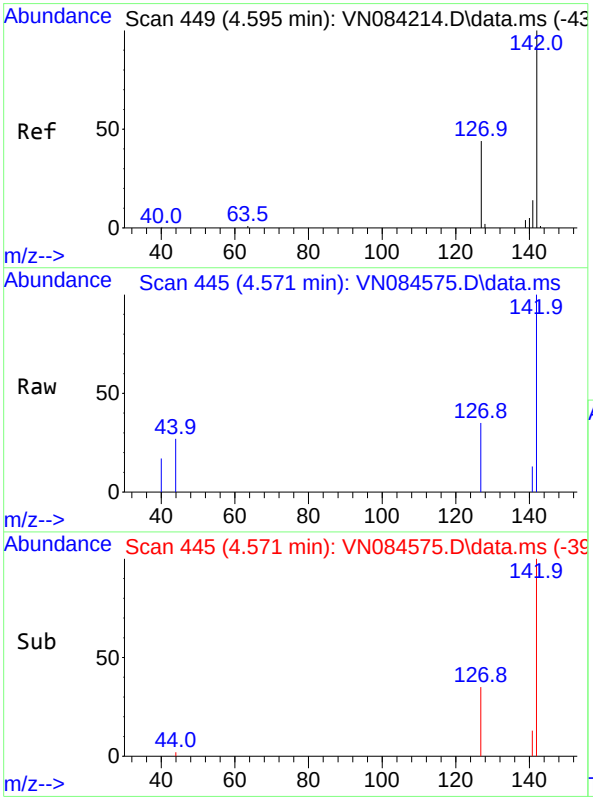
#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.019 ug/l
RT: 4.359 min Scan# 4(
Delta R.T. -0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 1982

Ion	Ratio	Lower	Upper
101	100		
85	39.1	36.2	54.4
151	65.9	59.3	88.9

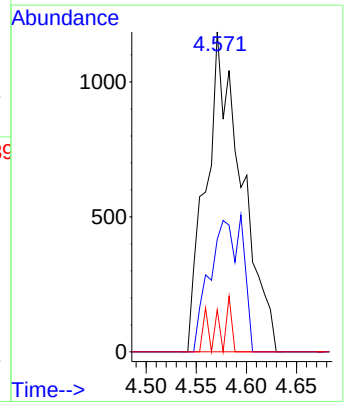


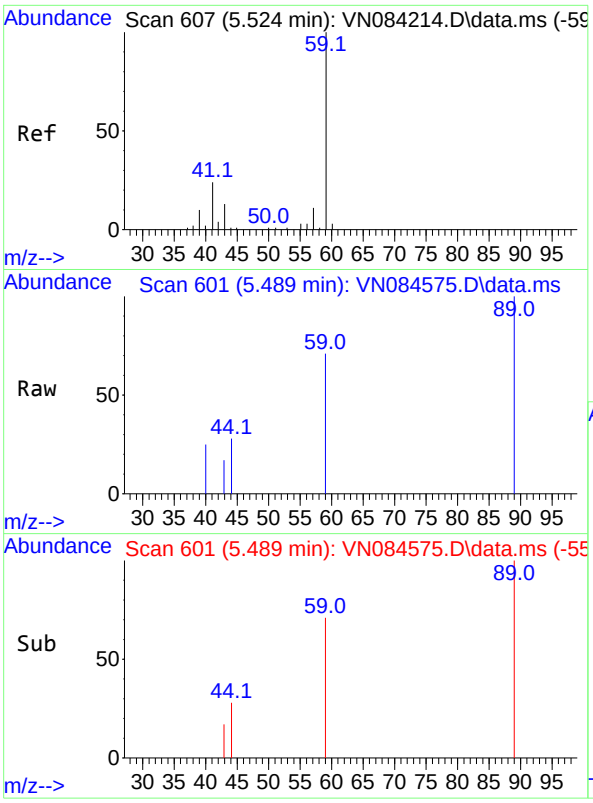


#10
Methyl Iodide
Concen: 1.121 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.024 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:142 Resp: 2914

Ion	Ratio	Lower	Upper
142	100		
127	35.2	35.3	52.9#
141	13.2	11.0	16.6



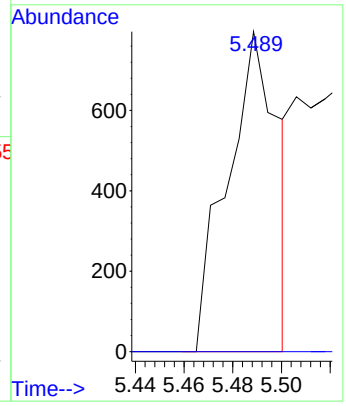


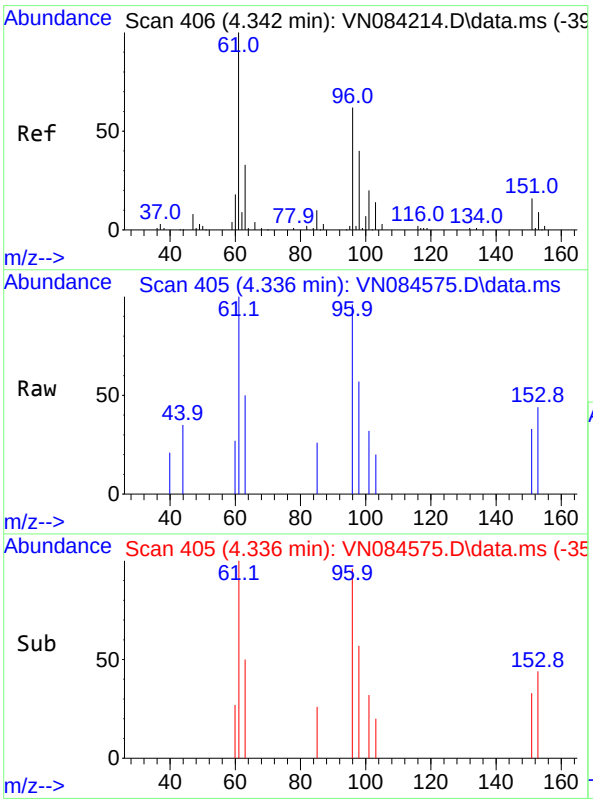
#11
Tert butyl alcohol
Concen: 3.557 ug/l
RT: 5.489 min Scan# 6
Delta R.T. -0.035 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 1146

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.2#

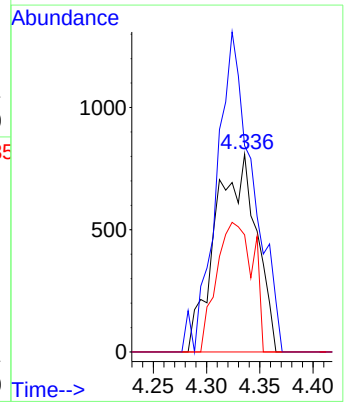


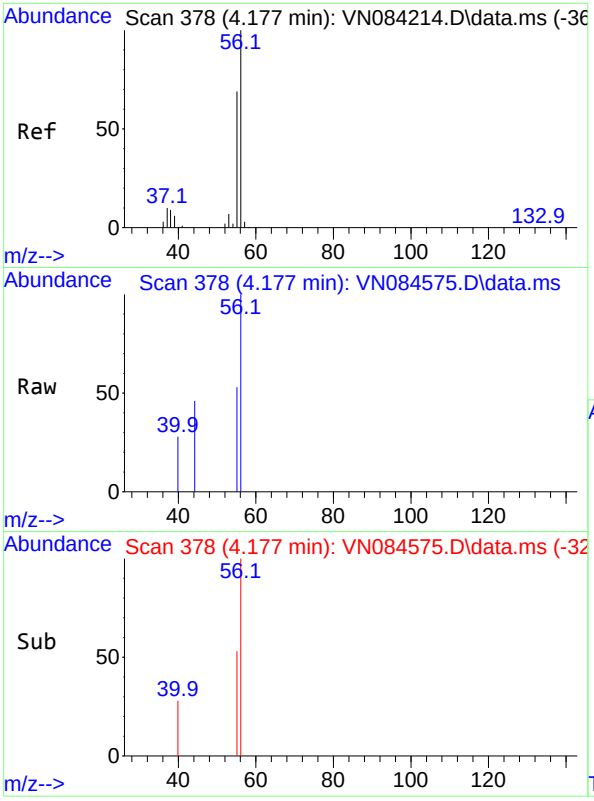


#12
1,1-Dichloroethene
Concen: 1.131 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 96 Resp: 2177

Ion	Ratio	Lower	Upper
96	100		
61	104.3	128.6	192.8#
98	59.2	51.7	77.5



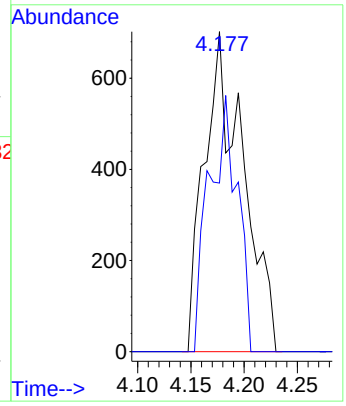


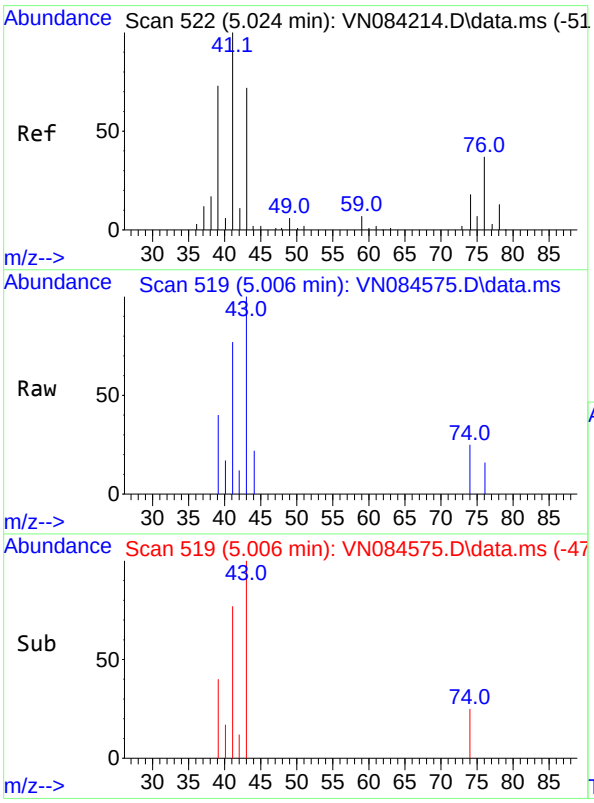
#13
Acrolein
Concen: 5.525 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 1775

Ion	Ratio	Lower	Upper
56	100		
55	58.5	57.2	85.8

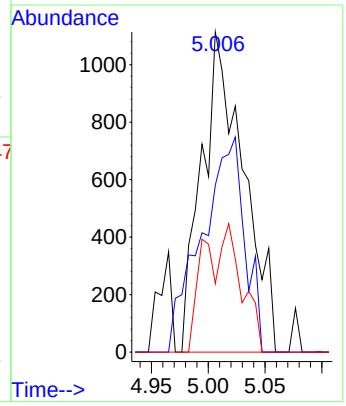


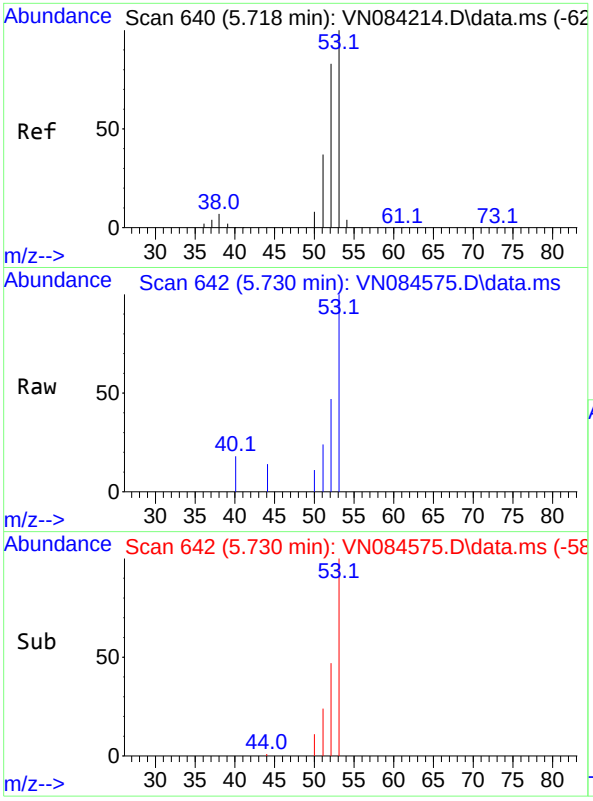


#14
Allyl chloride
Concen: 0.919 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.018 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 41 Resp: 2869

Ion	Ratio	Lower	Upper
41	100		
39	0.0	59.0	88.6#
76	14.8	29.8	44.6#



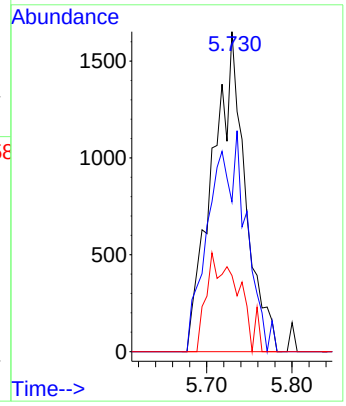


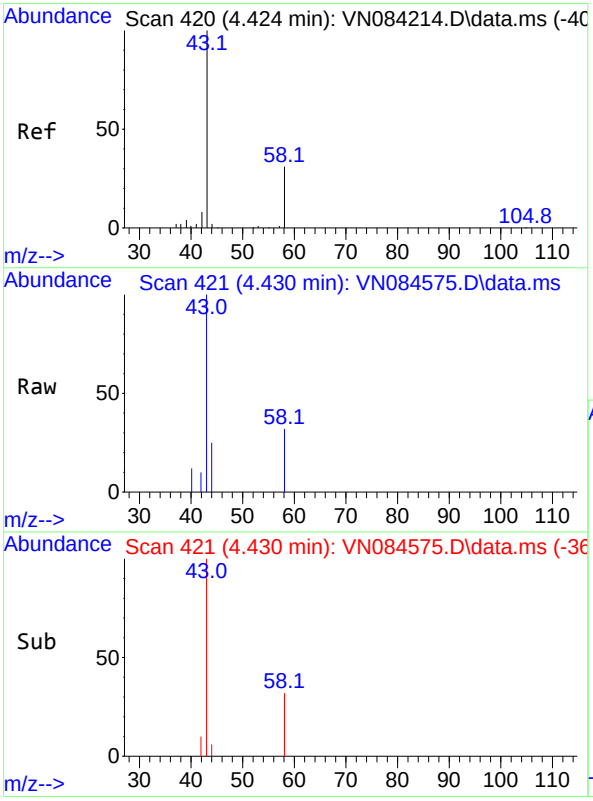
#15
Acrylonitrile
Concen: 4.764 ug/l
RT: 5.730 min Scan# 64
Delta R.T. 0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 53 Resp: 4443

Ion	Ratio	Lower	Upper
53	100		
52	48.3	66.2	99.4#
51	0.0	28.8	43.2#

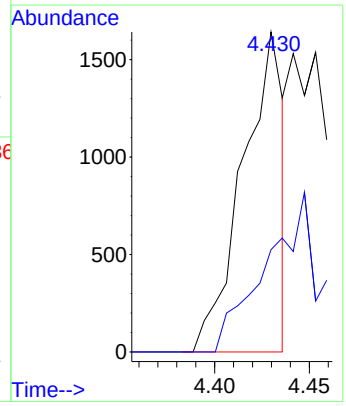


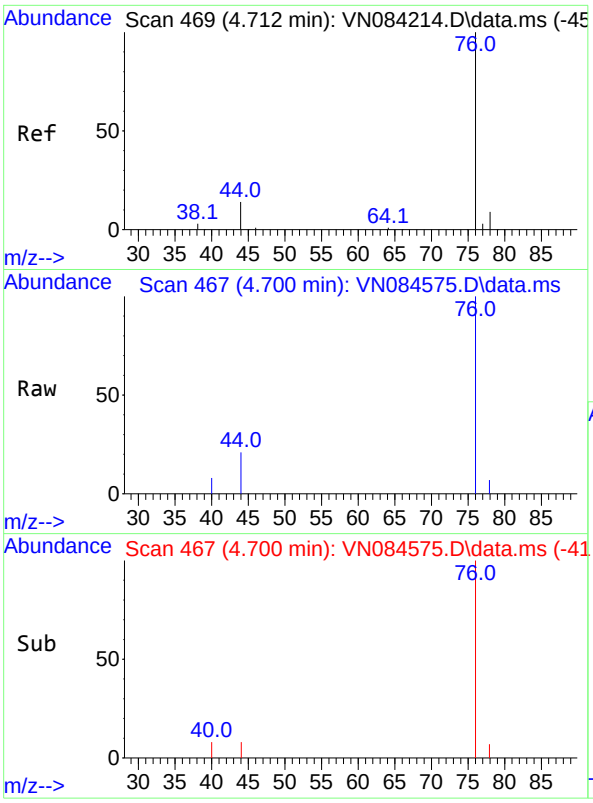


#16
Acetone
Concen: 0.614 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 43 Resp: 2439

Ion	Ratio	Lower	Upper
43	100		
58	32.0	24.4	36.6



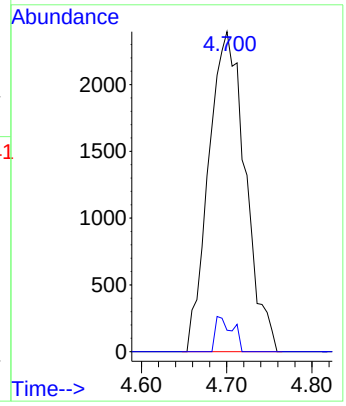


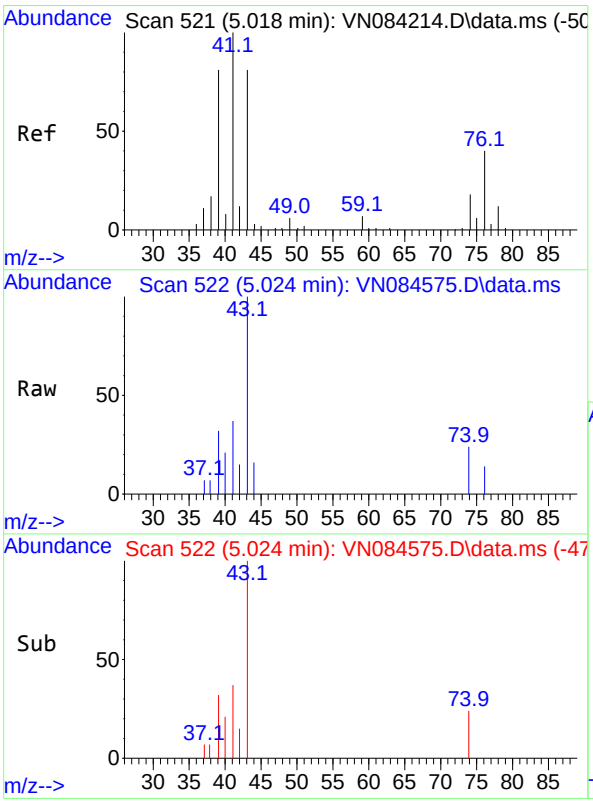
#17
Carbon Disulfide
Concen: 1.207 ug/l
RT: 4.700 min Scan# 4
Delta R.T. -0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 7155

Ion	Ratio	Lower	Upper
76	100		
78	6.7	7.3	10.9#

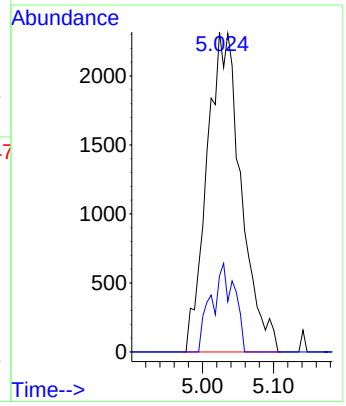


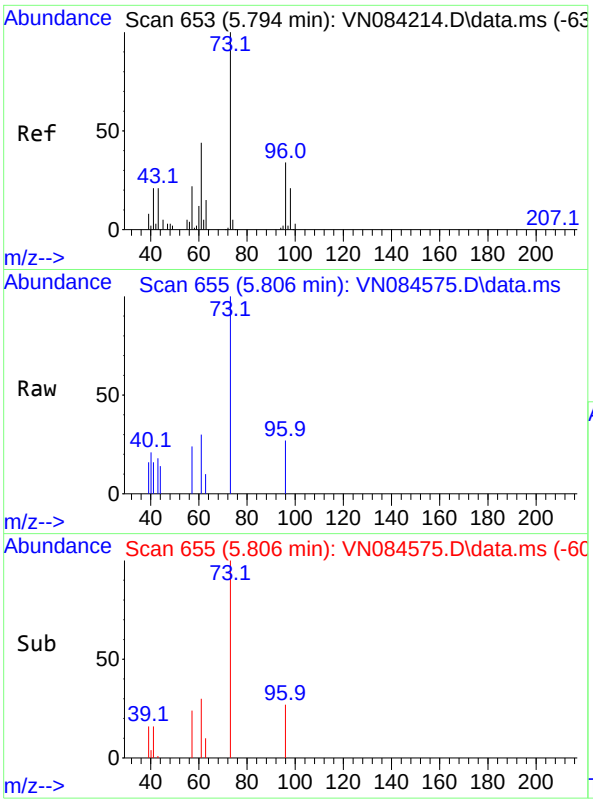


#18
Methyl Acetate
Concen: 1.954 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 43 Resp: 7743

Ion	Ratio	Lower	Upper
43	100		
74	18.6	19.2	28.8#



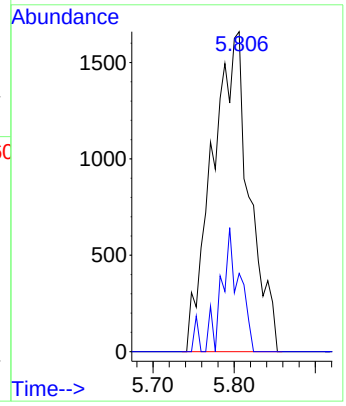


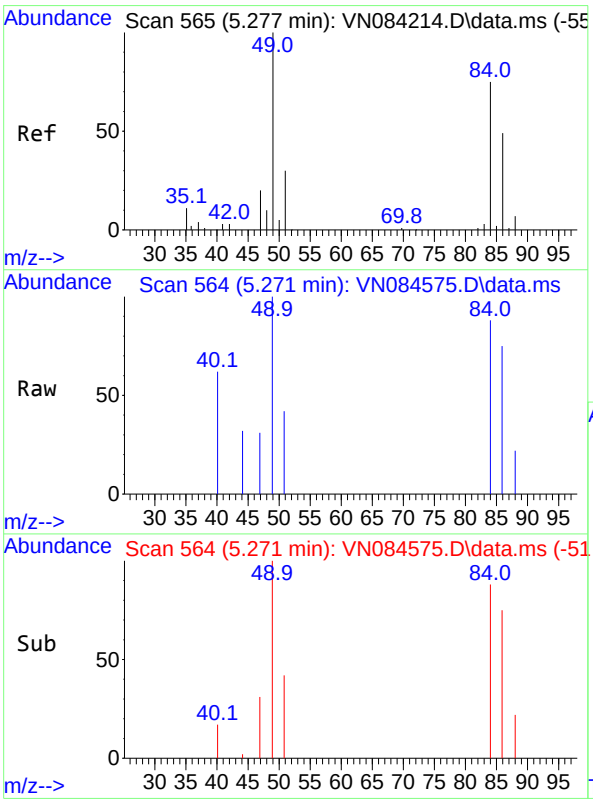
#19
Methyl tert-butyl Ether
Concen: 0.901 ug/l
RT: 5.806 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 5314

Ion	Ratio	Lower	Upper
73	100		
57	24.5	17.7	26.5

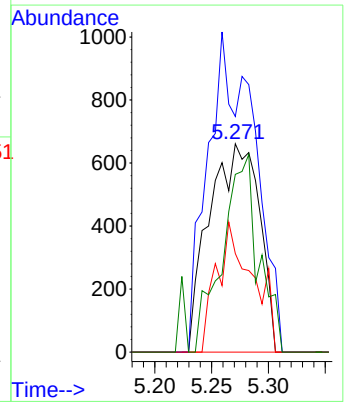


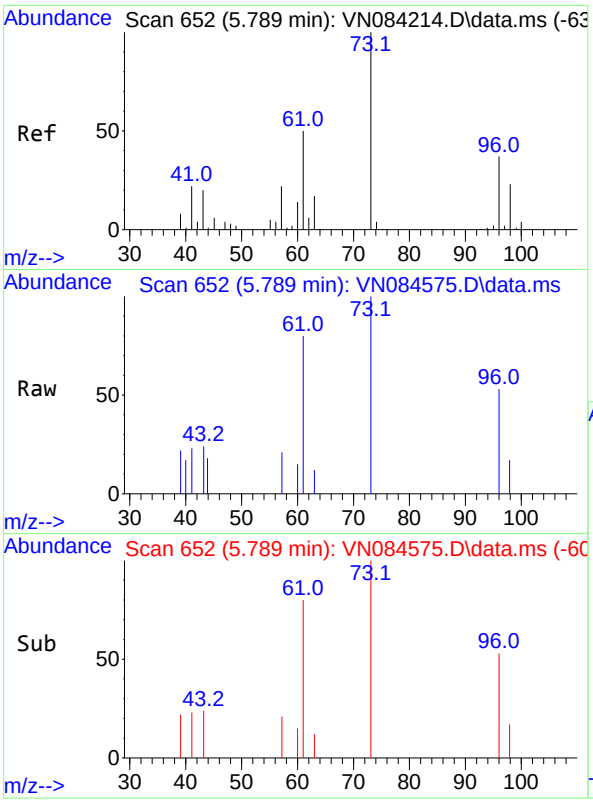


#20
Methylene Chloride
Concen: 0.945 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 84 Resp: 2029

Ion	Ratio	Lower	Upper
84	100		
49	113.2	107.2	160.8
51	47.4	31.8	47.8
86	85.3	52.9	79.3#



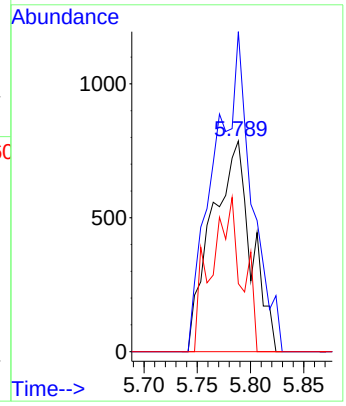


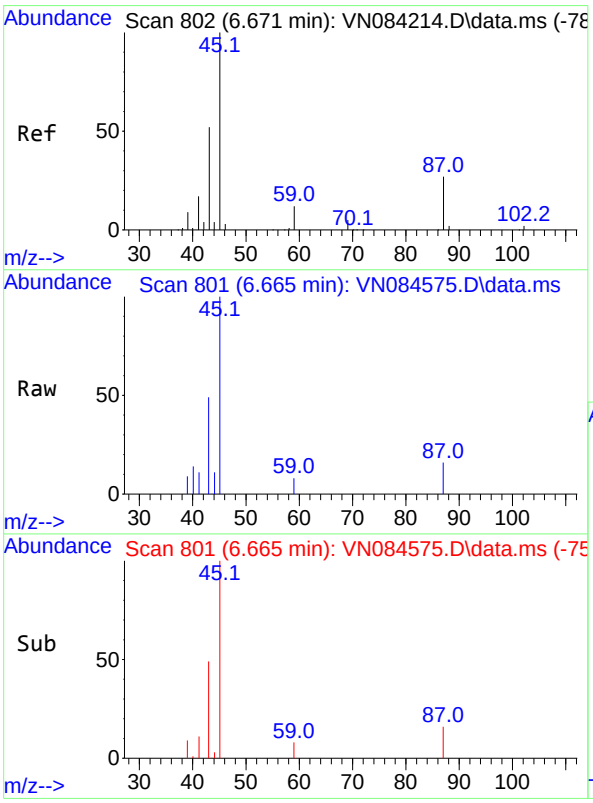
#21
trans-1,2-Dichloroethene
Concen: 1.027 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 2030

Ion	Ratio	Lower	Upper
96	100		
61	151.8	108.4	162.6
98	32.3	49.8	74.8#

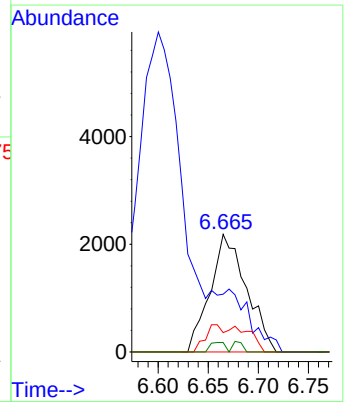


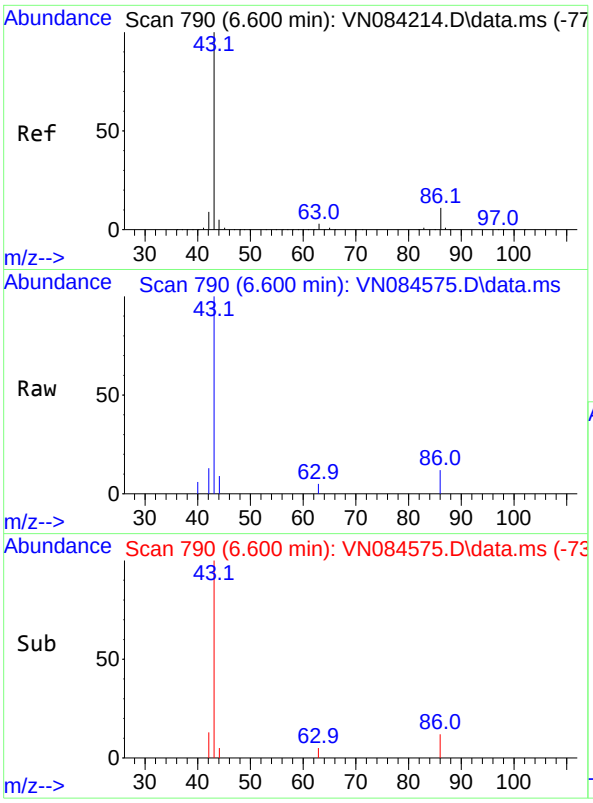


#22
Diisopropyl ether
Concen: 0.884 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 45 Resp: 5485

Ion	Ratio	Lower	Upper
45	100		
43	49.1	42.3	63.5
87	16.4	21.8	32.6#
59	8.0	9.6	14.4#



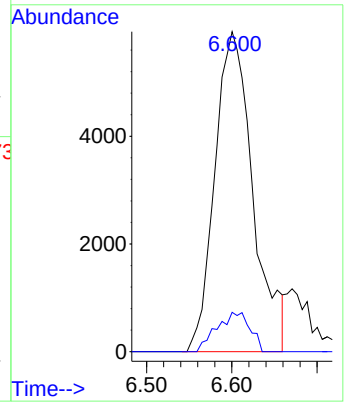


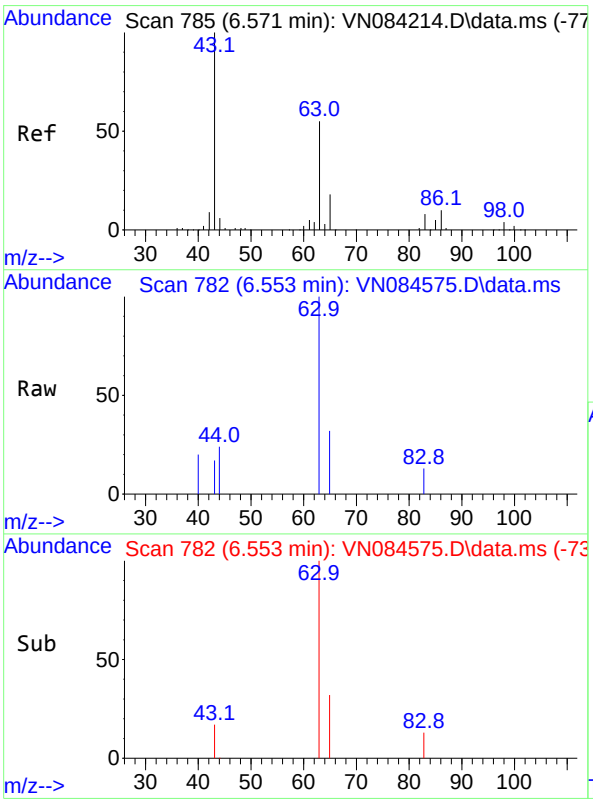
#23
Vinyl Acetate
Concen: 4.306 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 18413

Ion	Ratio	Lower	Upper
43	100		
86	12.3	8.6	12.8

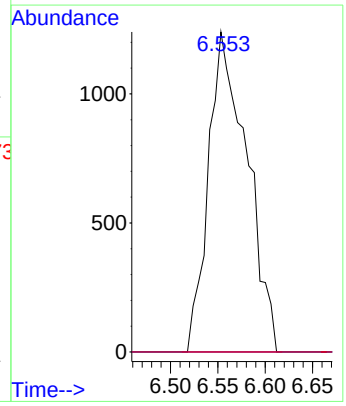


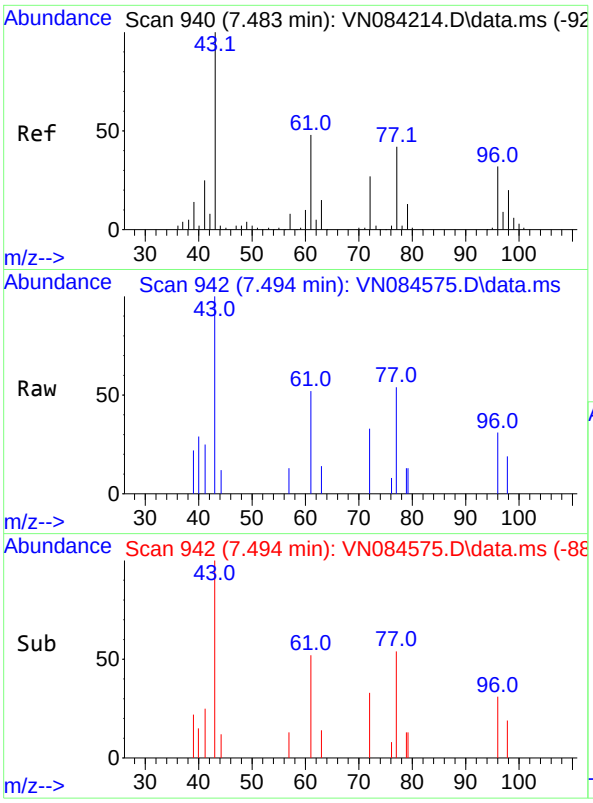


#24
1,1-Dichloroethane
Concen: 0.938 ug/l
RT: 6.553 min Scan# 782
Delta R.T. -0.018 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 63 Resp: 3491

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.4	10.2#
100	0.0	2.0	5.8#



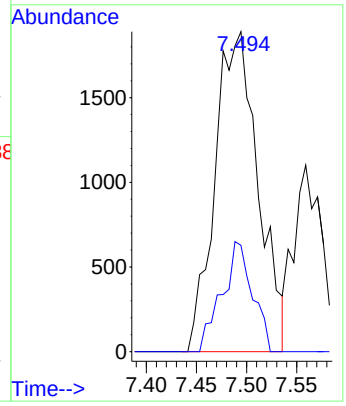


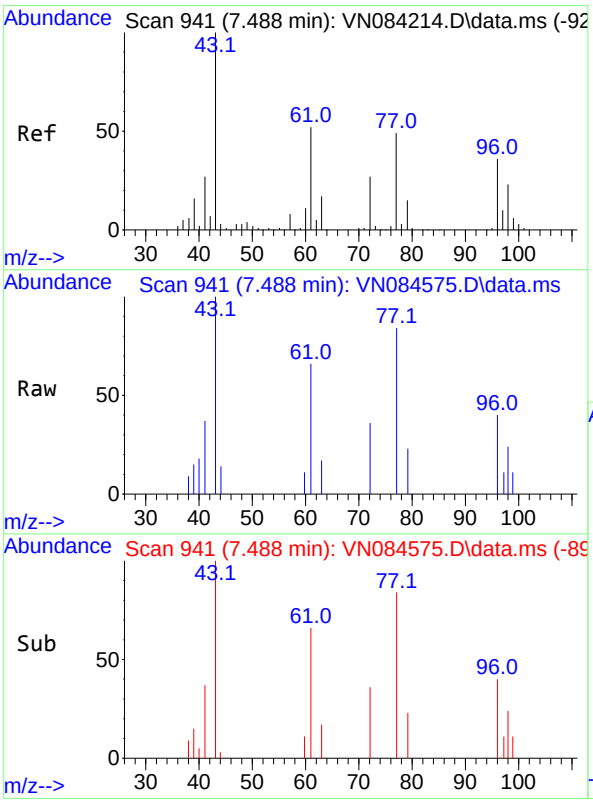
#25
2-Butanone
Concen: 4.956 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 5644

Ion	Ratio	Lower	Upper
43	100		
72	33.2	21.4	32.2#

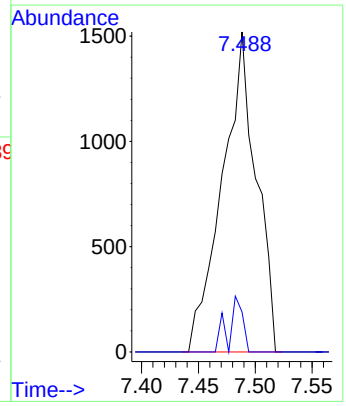


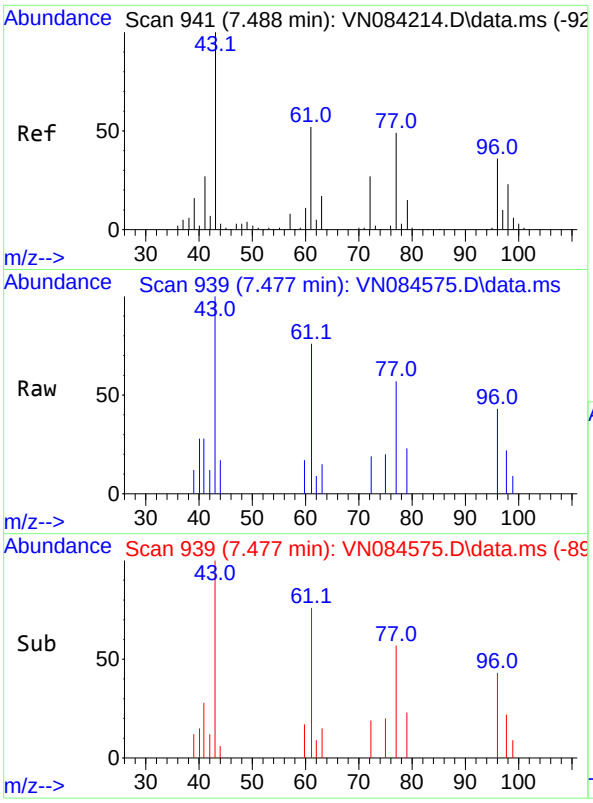


#26
2,2-Dichloropropane
Concen: 0.973 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 77 Resp: 3152

Ion	Ratio	Lower	Upper
77	100		
97	7.2	10.8	32.3#



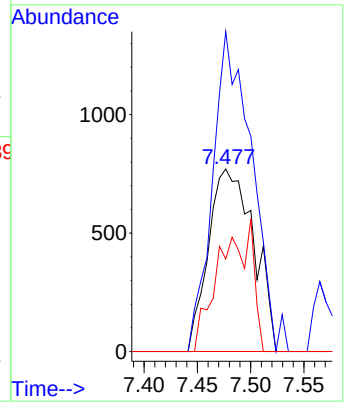


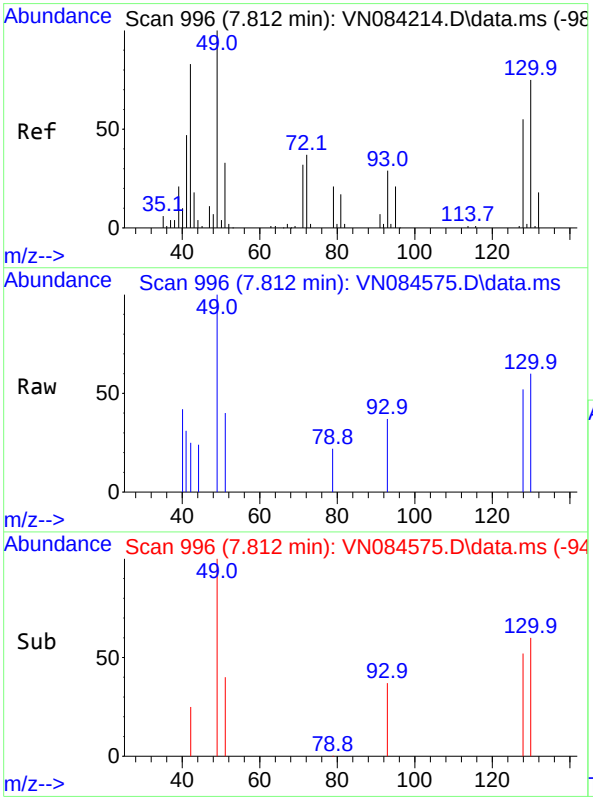
#27
cis-1,2-Dichloroethene
Concen: 0.986 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 2275

Ion	Ratio	Lower	Upper
96	100		
61	152.0	0.0	301.8
98	0.0	0.0	128.2

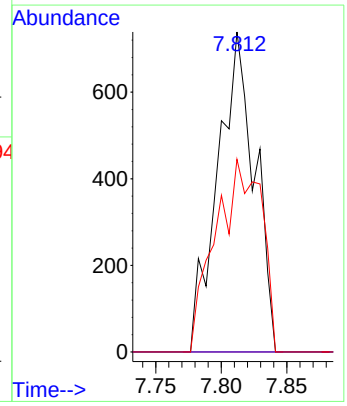


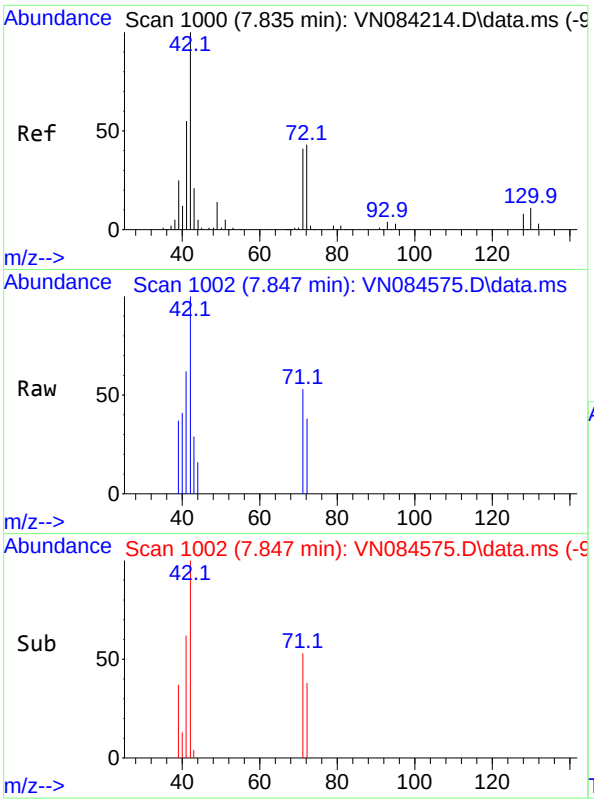


#28
Bromochloromethane
Concen: 0.978 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 49 Resp: 1450

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	74.9	58.0	87.0



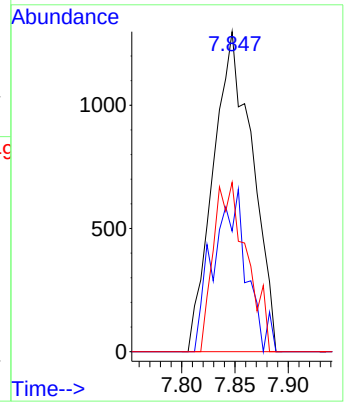


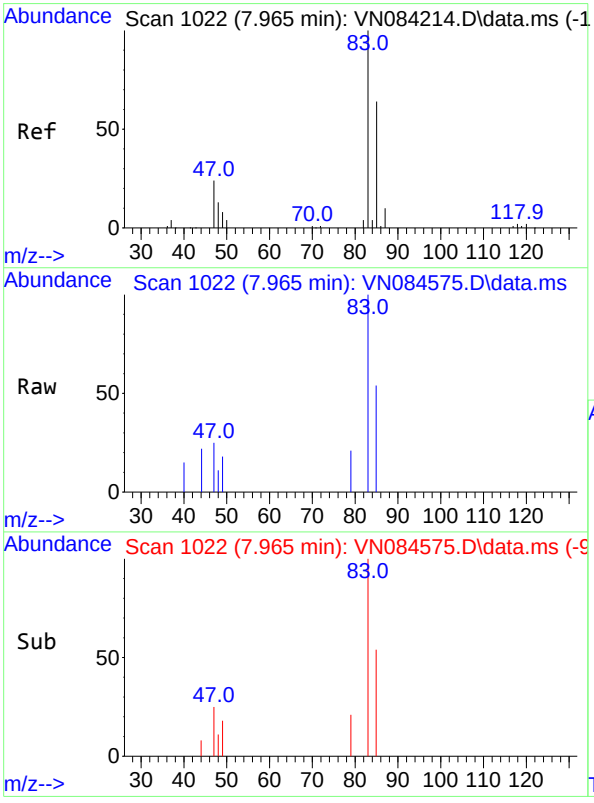
#29
Tetrahydrofuran
Concen: 4.396 ug/l
RT: 7.847 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 3321

Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.6	51.8
71	45.0	32.2	48.4

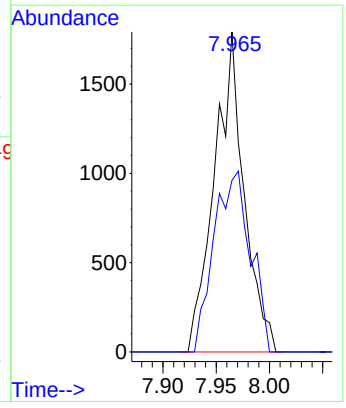


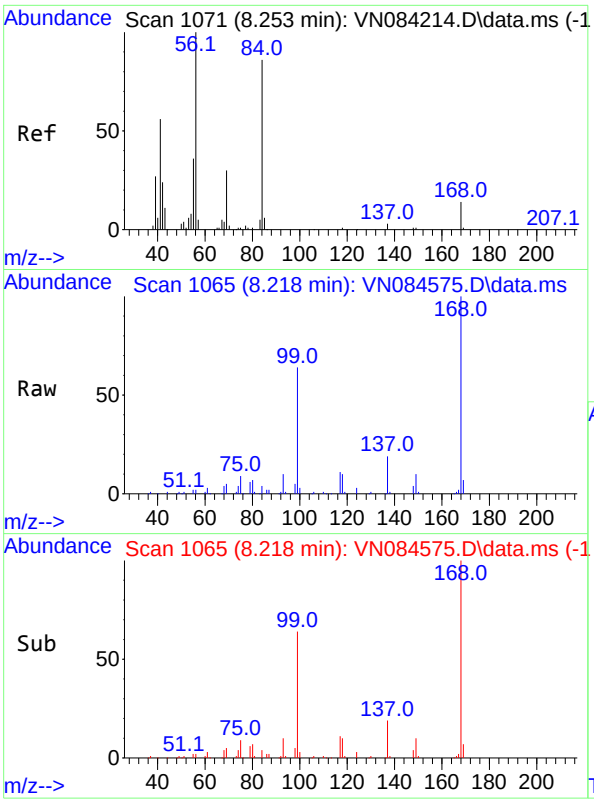


#30
Chloroform
Concen: 0.914 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 83 Resp: 3463

Ion	Ratio	Lower	Upper
83	100		
85	53.6	51.0	76.4



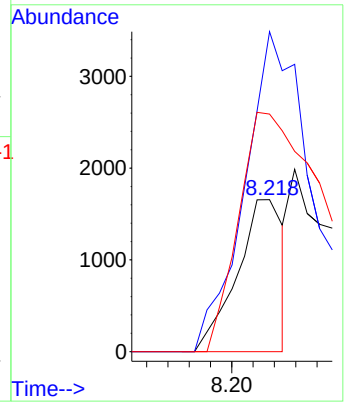


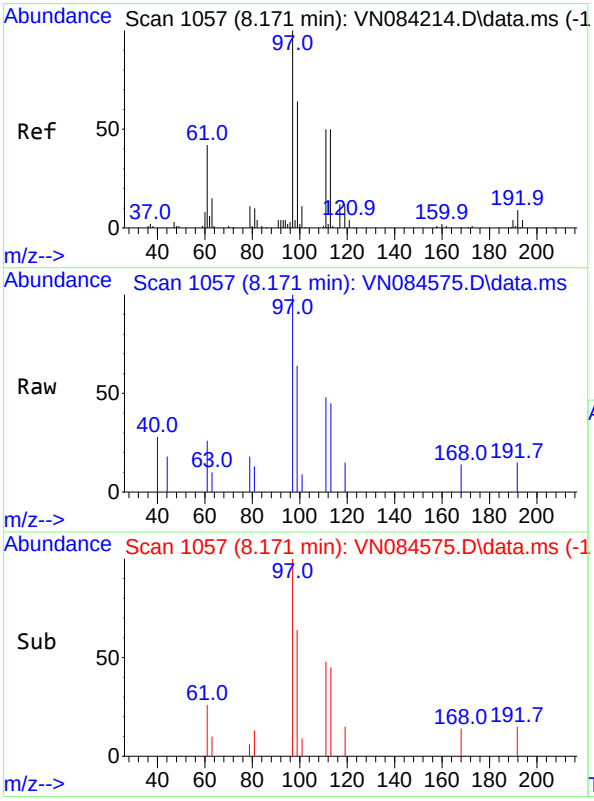
#31
Cyclohexane
Concen: 0.740 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.035 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 2493

Ion	Ratio	Lower	Upper
56	100		
69	210.6	23.8	35.6#
84	156.3	68.8	103.2#

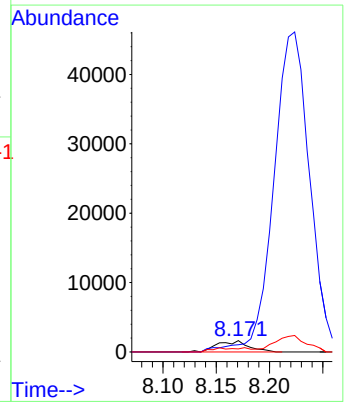


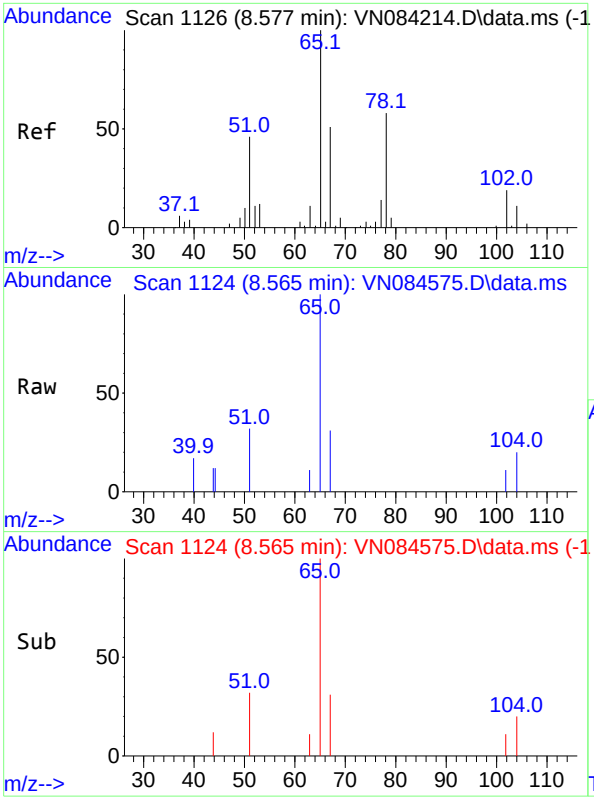


#32
1,1,1-Trichloroethane
Concen: 0.960 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 97 Resp: 3312

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.2	76.8#
61	17.9	37.5	56.3#



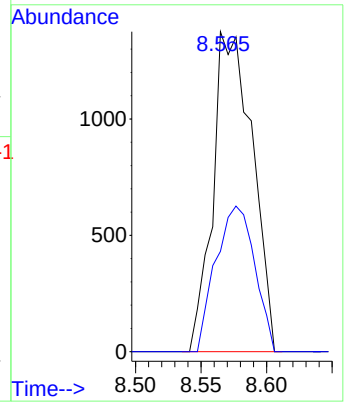


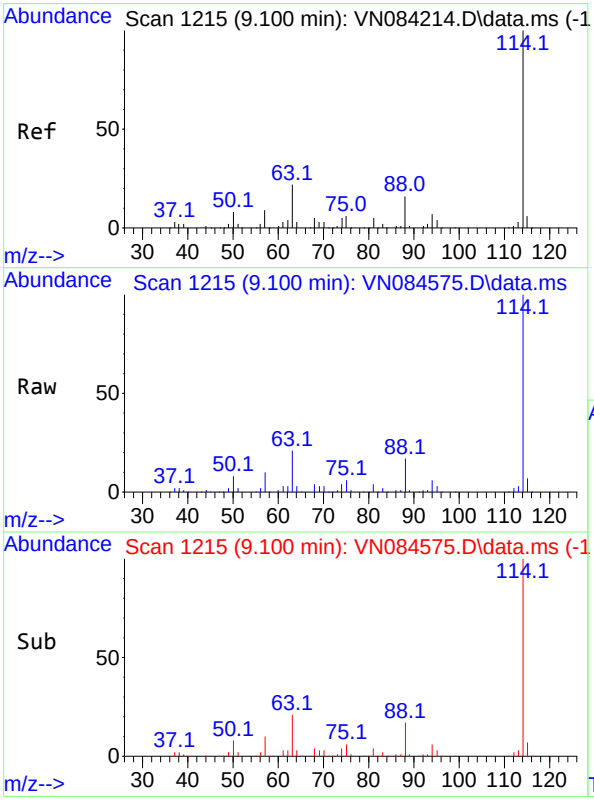
#33
1,2-Dichloroethane-d4
Concen: 1.177 ug/l
RT: 8.565 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 2874

Ion	Ratio	Lower	Upper
65	100		
67	45.0	0.0	102.0

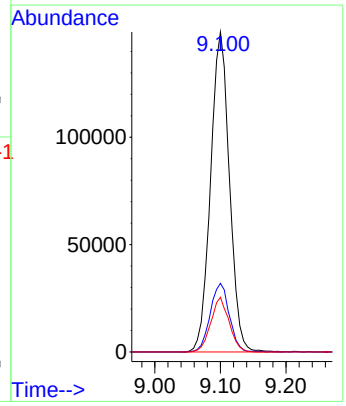


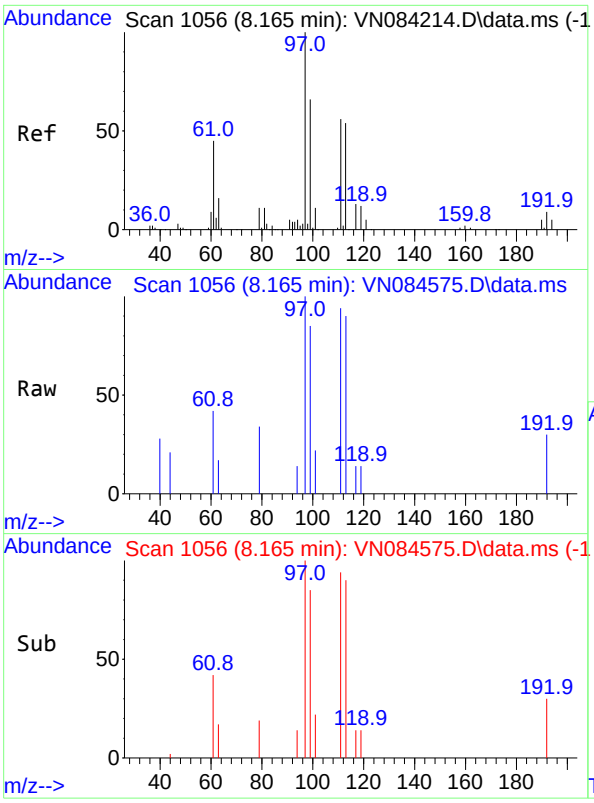


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:114 Resp: 297772

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.8
88	17.1	0.0	31.6



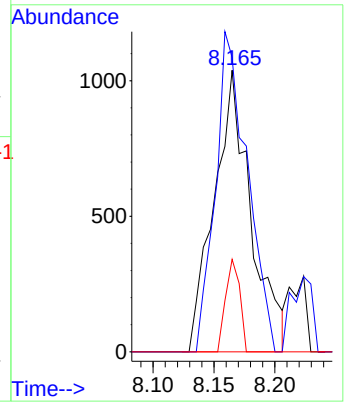


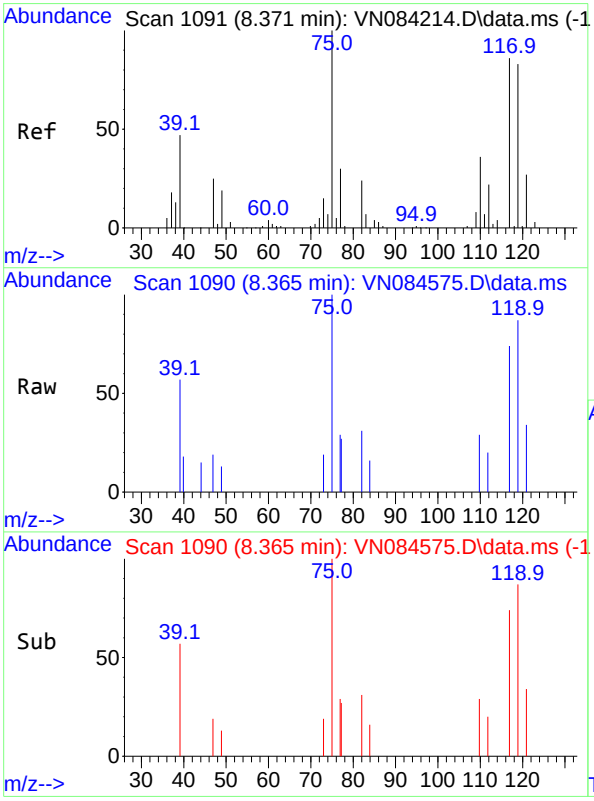
#35
Dibromofluoromethane
Concen: 1.083 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:113 Resp: 2182

Ion	Ratio	Lower	Upper
113	100		
111	98.5	83.3	124.9
192	12.6	13.5	20.3#

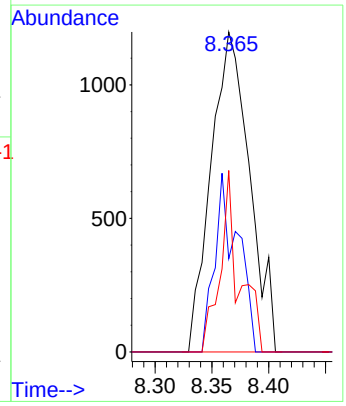


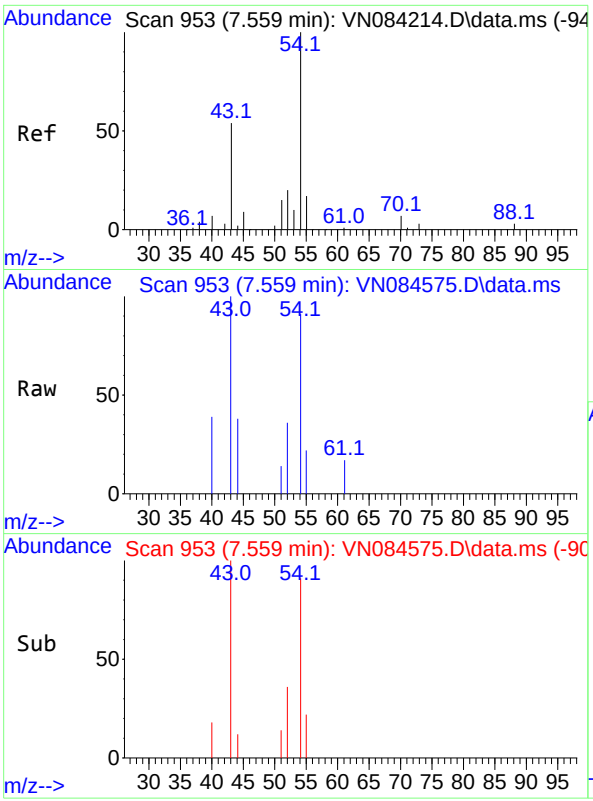


#36
1,1-Dichloropropene
Concen: 1.011 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 75 Resp: 2825

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.7
77	28.1	24.7	37.1



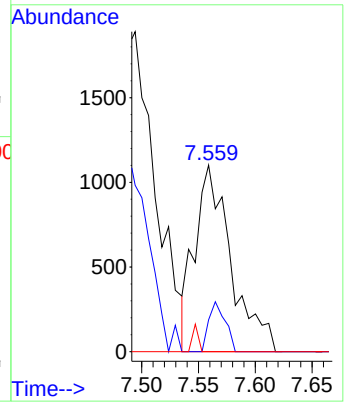


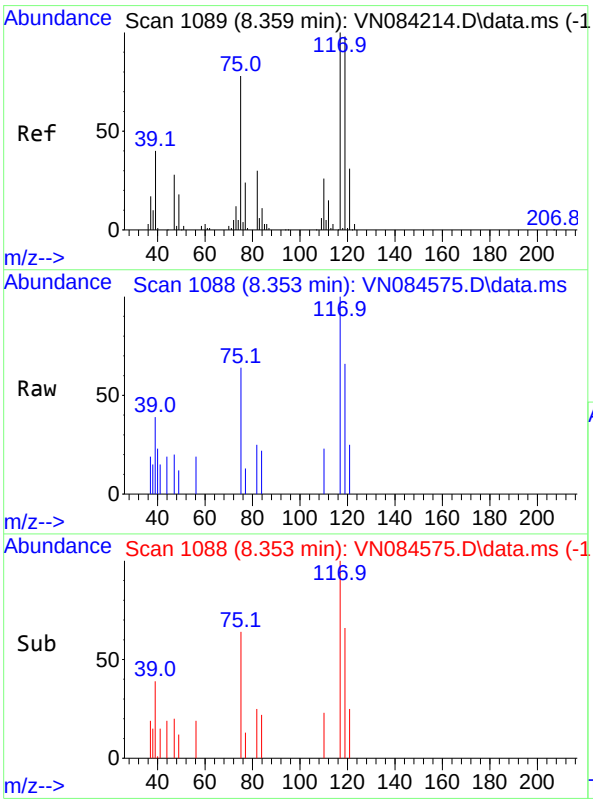
#37
Ethyl Acetate
Concen: 0.962 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 2440

Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.7	16.1
70	2.3	8.8	13.2#

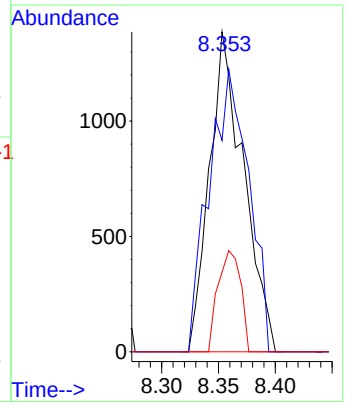


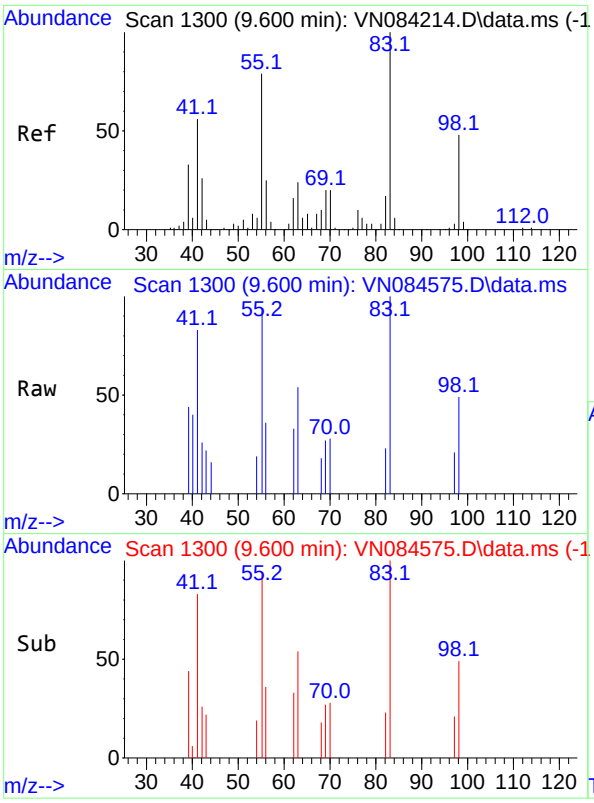


#38
Carbon Tetrachloride
Concen: 0.929 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:117 Resp: 2904

Ion	Ratio	Lower	Upper
117	100		
119	66.1	78.7	118.1#
121	24.9	24.4	36.6



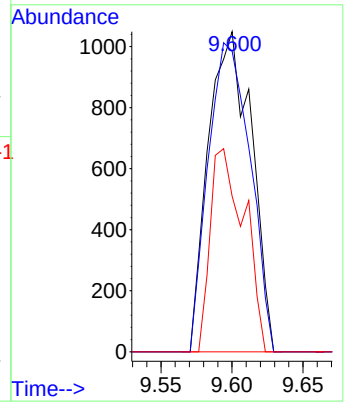


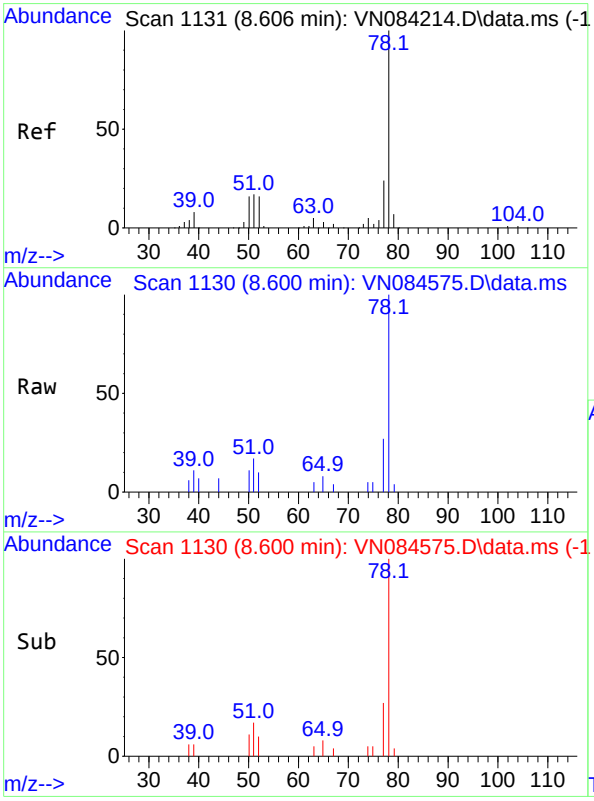
#39
Methylcyclohexane
Concen: 0.778 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 2212

Ion	Ratio	Lower	Upper
83	100		
55	93.9	62.8	94.2
98	48.6	38.8	58.2

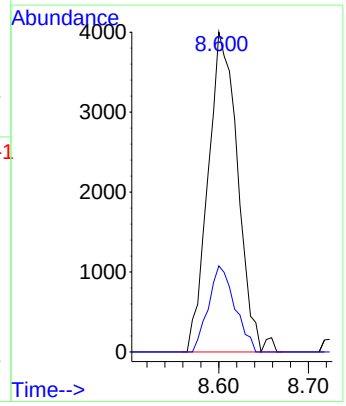


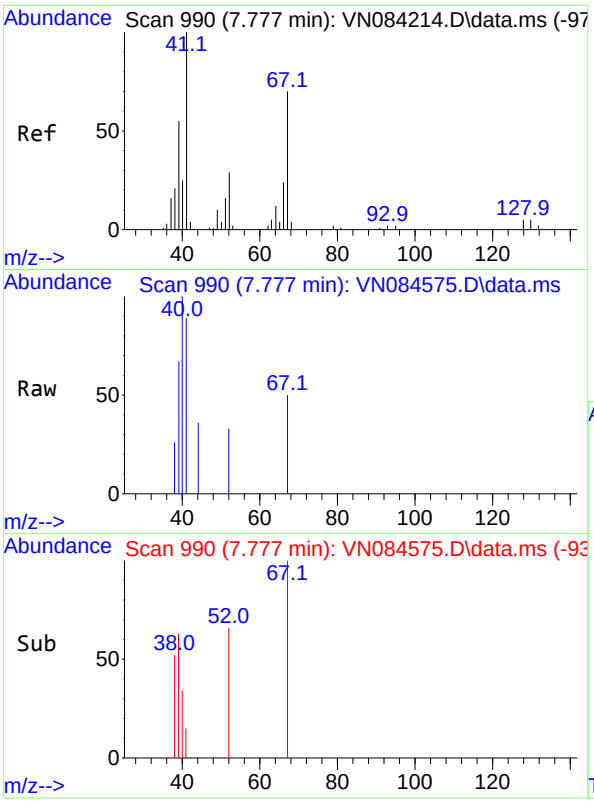


#40
Benzene
Concen: 1.021 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 78 Resp: 9169

Ion	Ratio	Lower	Upper
78	100		
77	26.9	19.1	28.7



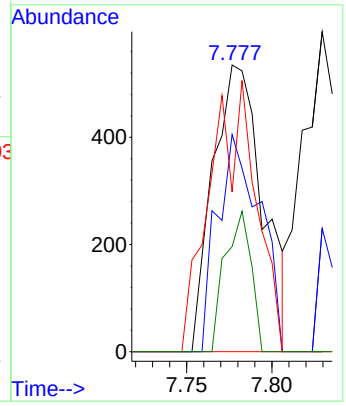


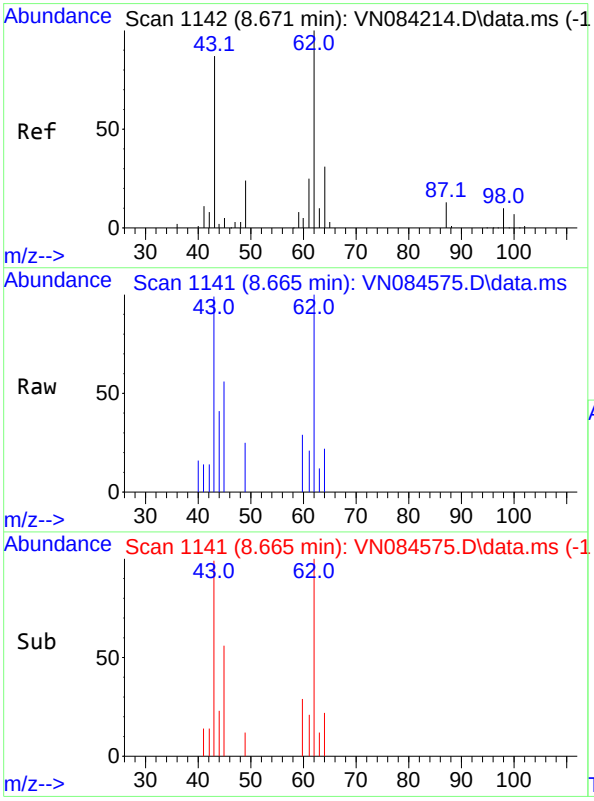
#41
Methacrylonitrile
Concen: 0.803 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 1095

Ion	Ratio	Lower	Upper
41	100		
39	64.7	43.3	64.9
67	86.7	56.1	84.1#
52	25.5	24.5	36.7

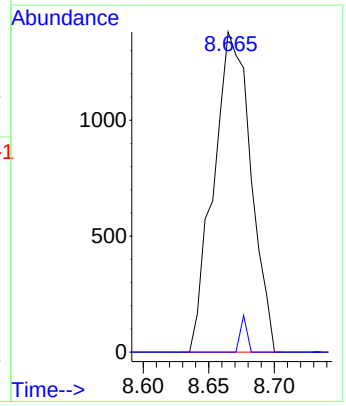


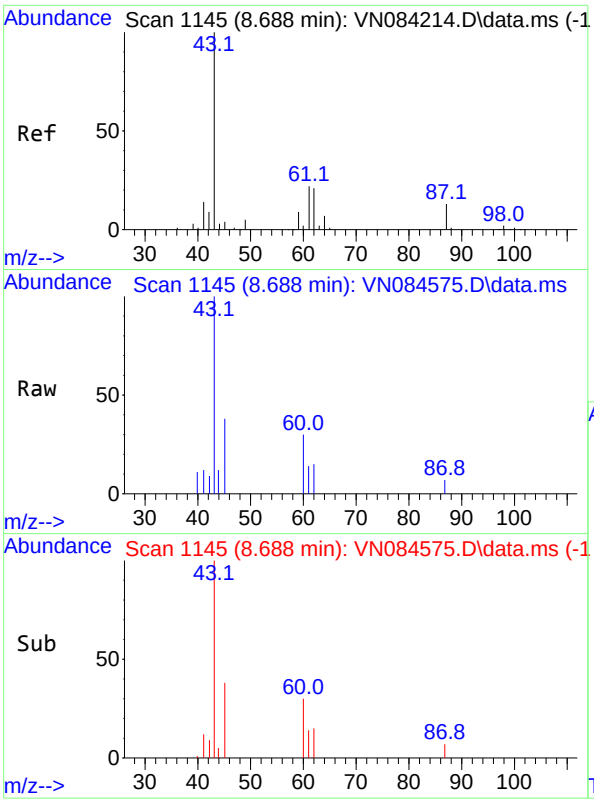


#42
1,2-Dichloroethane
Concen: 0.940 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 62 Resp: 2733

Ion	Ratio	Lower	Upper
62	100		
98	2.0	0.0	18.2



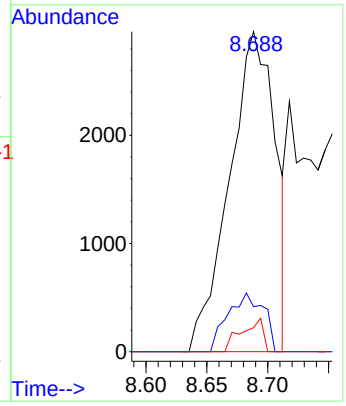


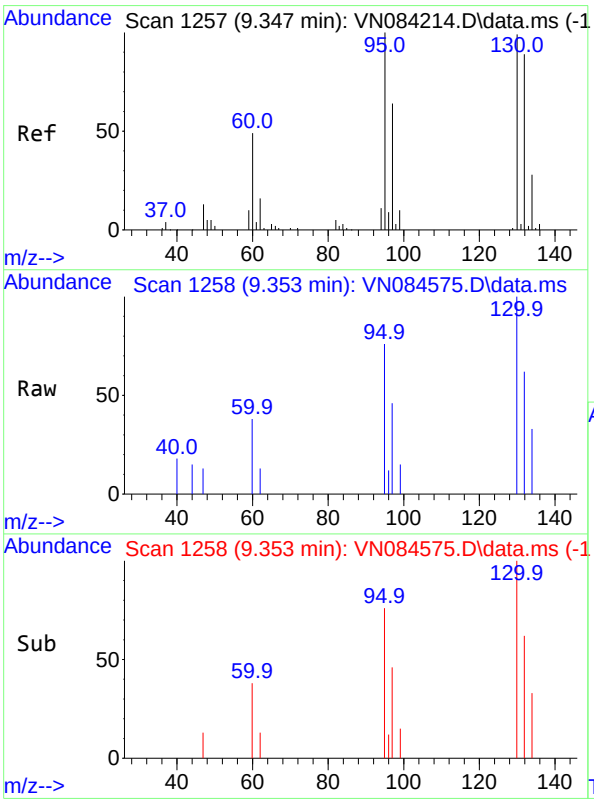
#43
Isopropyl Acetate
Concen: 0.697 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 7724

Ion	Ratio	Lower	Upper
43	100		
61	14.3	20.4	30.6#
87	4.9	10.3	15.5#

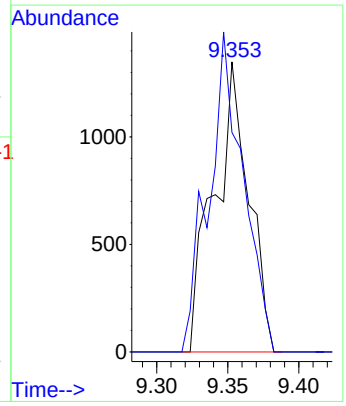


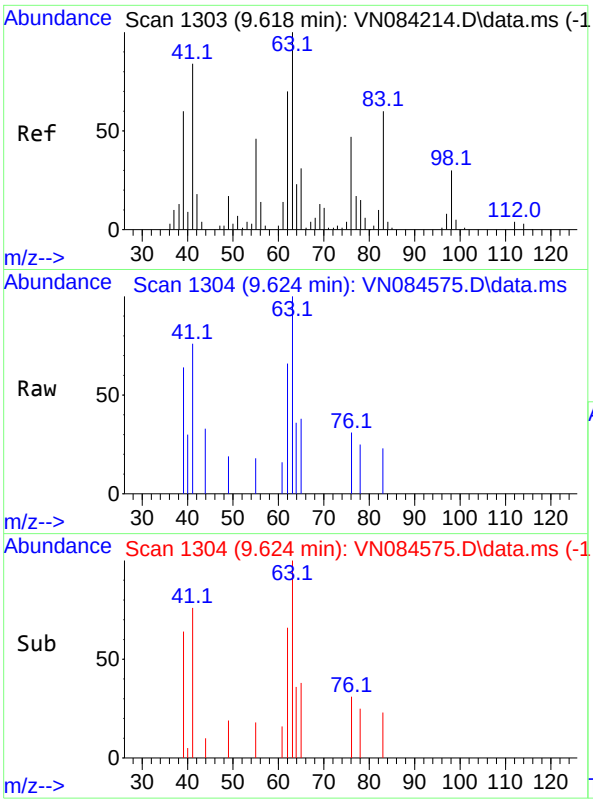


#44
Trichloroethene
Concen: 1.114 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:130 Resp: 2306

Ion	Ratio	Lower	Upper
130	100		
95	75.7	0.0	203.0



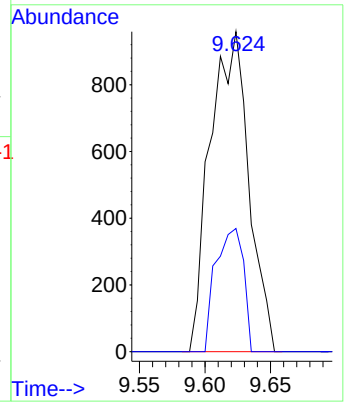


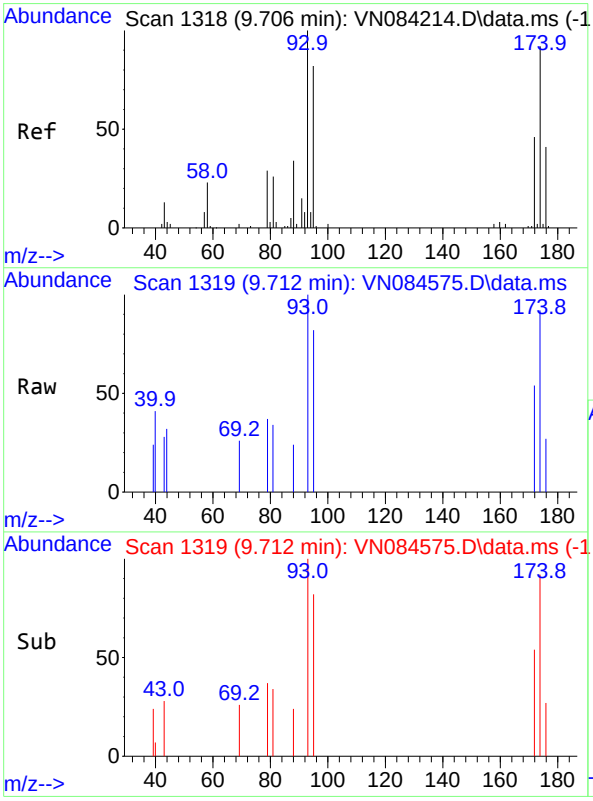
#45
1,2-Dichloropropane
Concen: 0.934 ug/l
RT: 9.624 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 1967

Ion	Ratio	Lower	Upper
63	100		
65	38.5	24.6	37.0#

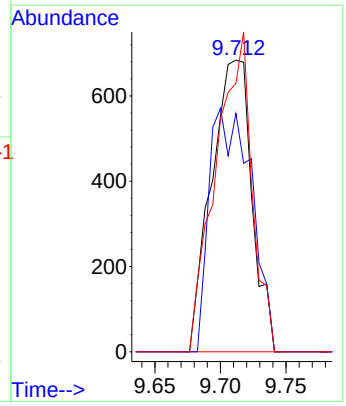


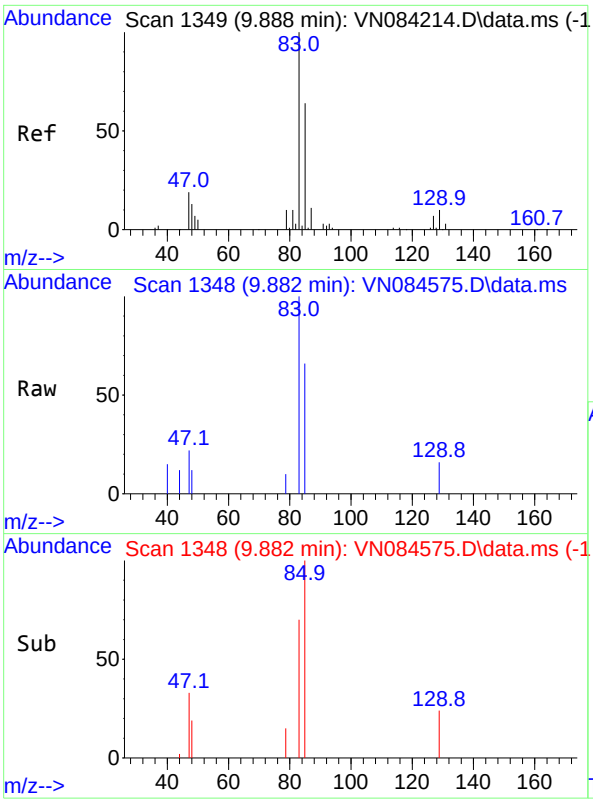


#46
Dibromomethane
Concen: 0.991 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 93 Resp: 1472

Ion	Ratio	Lower	Upper
93	100		
95	86.6	65.0	97.4
174	97.5	71.8	107.8



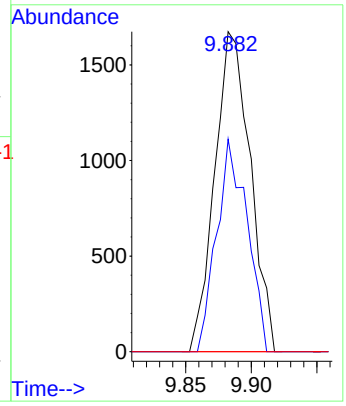


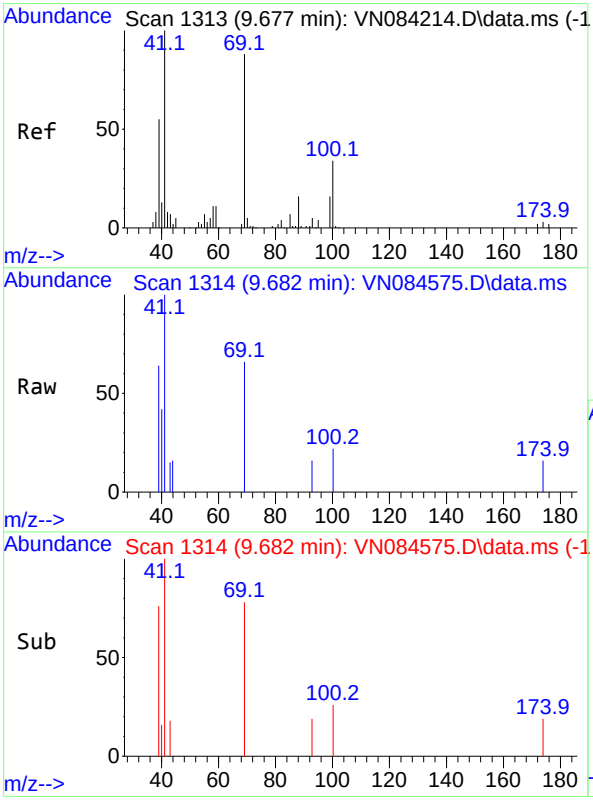
#47
Bromodichloromethane
Concen: 1.008 ug/l
RT: 9.882 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 3156

Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.5	77.3
127	0.0	5.7	8.5#

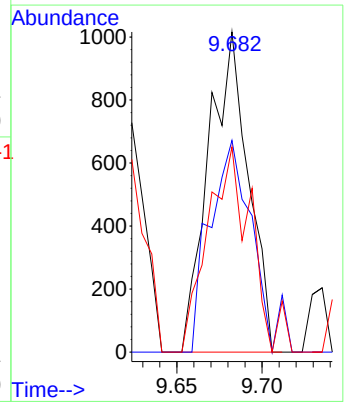


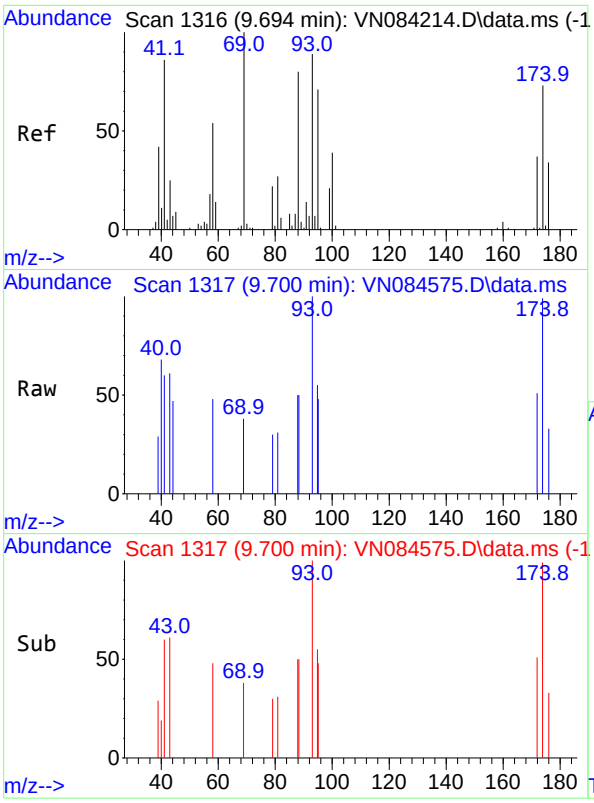


#48
Methyl methacrylate
Concen: 0.837 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 41 Resp: 1652

Ion	Ratio	Lower	Upper
41	100		
69	71.3	67.1	100.7
39	70.6	45.8	68.6#



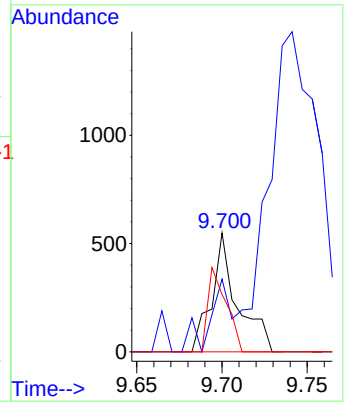


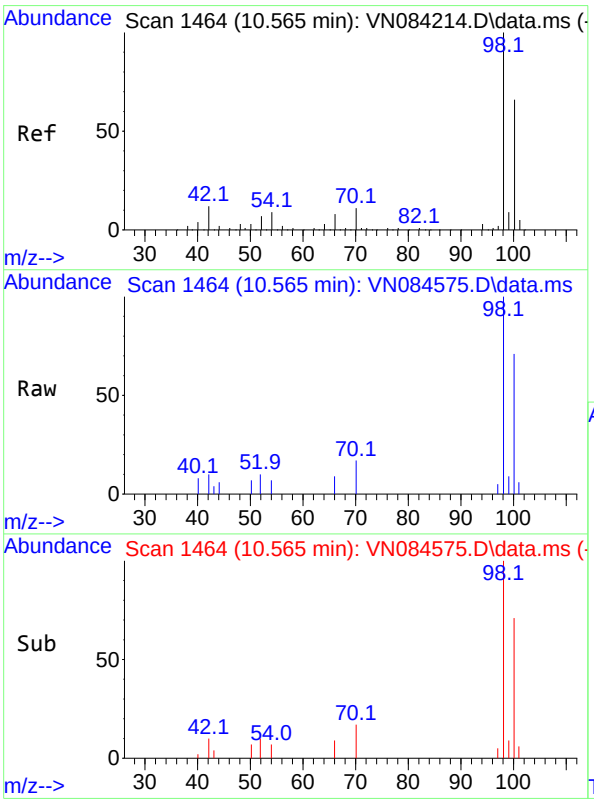
#49
1,4-Dioxane
Concen: 16.468 ug/l
RT: 9.700 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 88 Resp: 576

Ion	Ratio	Lower	Upper
88	100		
43	49.8	25.3	37.9#
58	50.7	56.4	84.6#

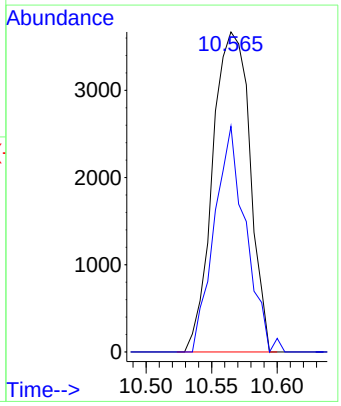


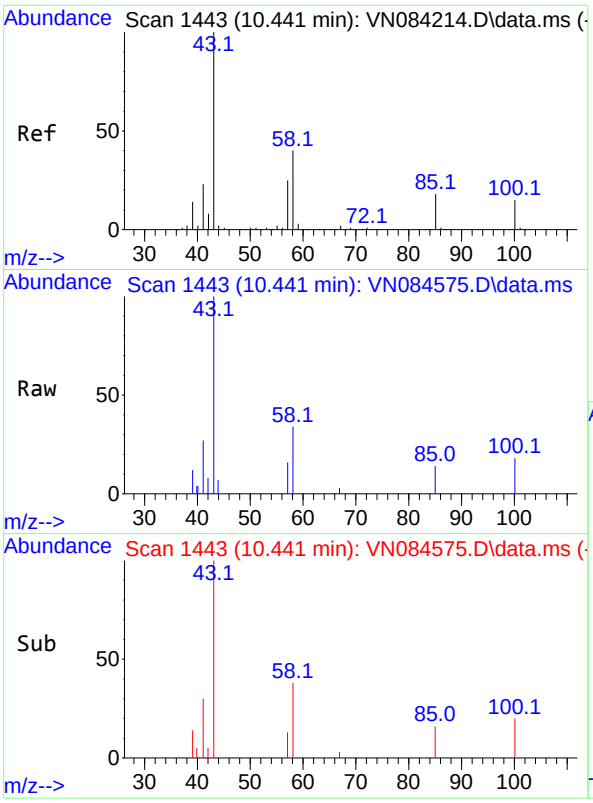


#50
Toluene-d8
Concen: 0.977 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 98 Resp: 7251

Ion	Ratio	Lower	Upper
98	100		
100	59.5	52.7	79.1



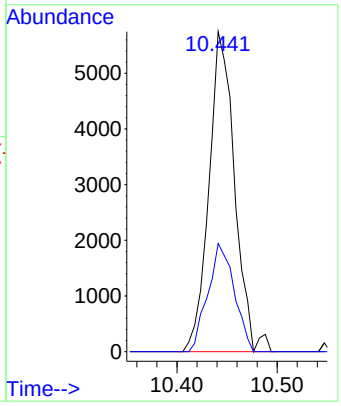


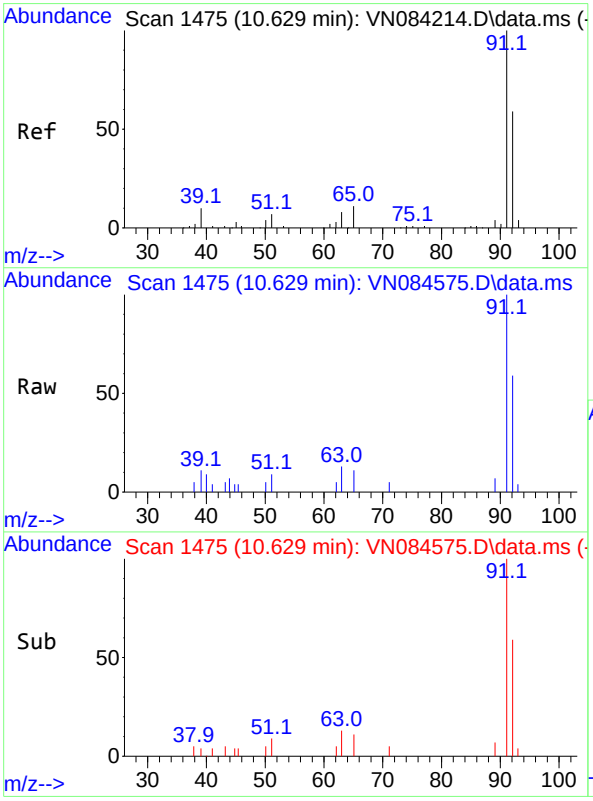
#51
4-Methyl-2-Pentanone
Concen: 4.234 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 10237

Ion	Ratio	Lower	Upper
43	100		
58	34.7	31.6	47.4

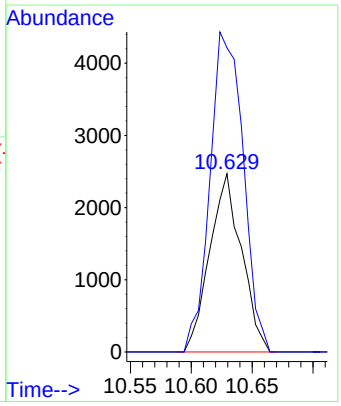


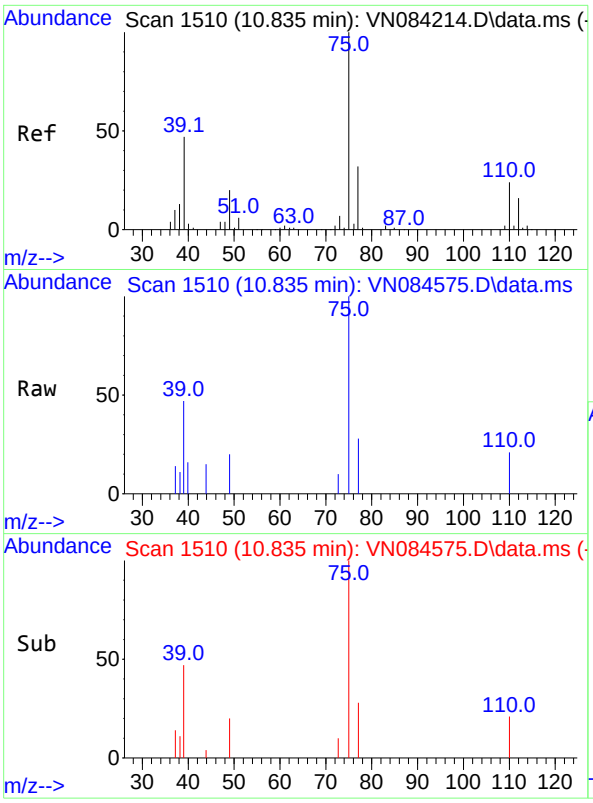


#52
Toluene
Concen: 0.858 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 92 Resp: 4507

Ion	Ratio	Lower	Upper
92	100		
91	187.2	137.3	205.9



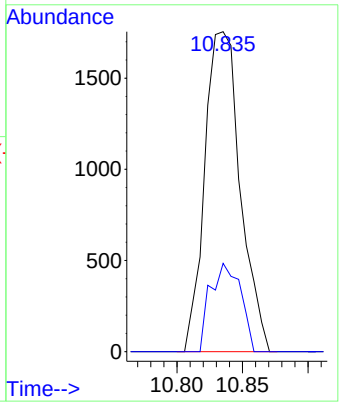


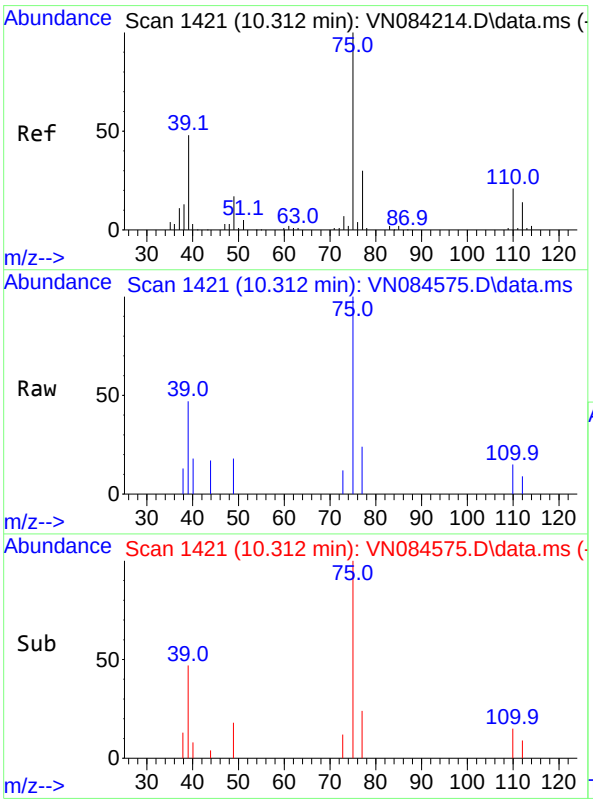
#53
t-1,3-Dichloropropene
Concen: 1.020 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 3308

Ion	Ratio	Lower	Upper
75	100		
77	27.6	25.4	38.0

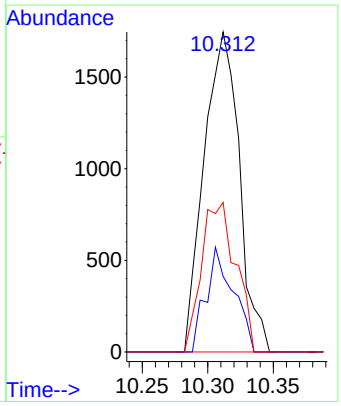


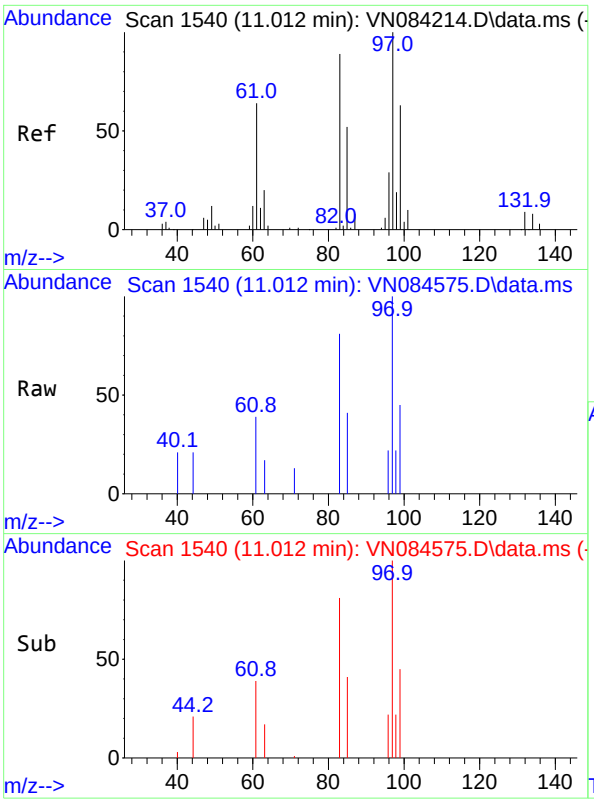


#54
cis-1,3-Dichloropropene
Concen: 0.952 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 75 Resp: 3266

Ion	Ratio	Lower	Upper
75	100		
77	23.6	24.2	36.2#
39	46.7	38.7	58.1



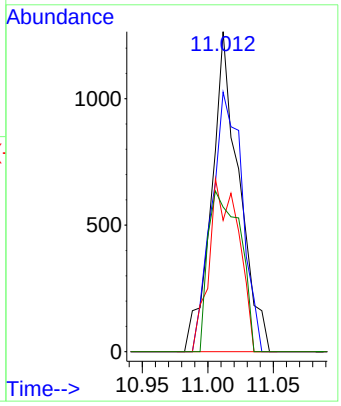


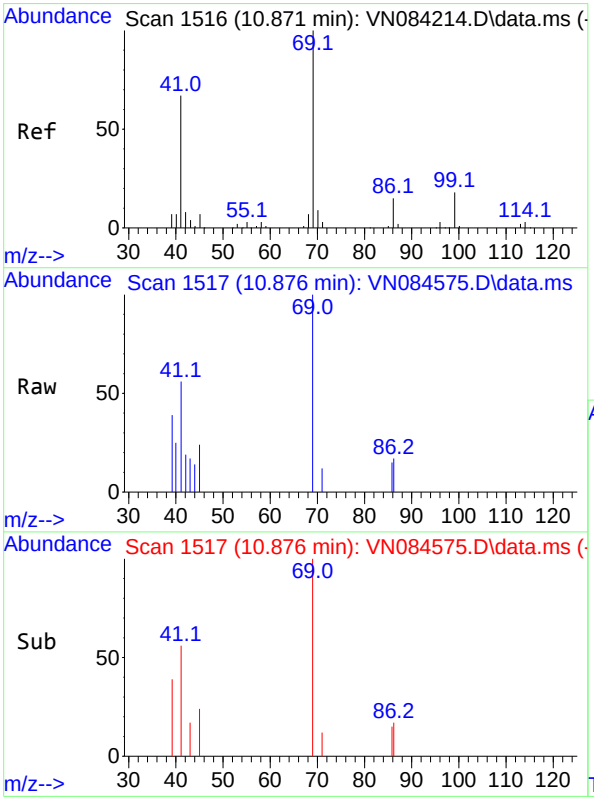
#55
1,1,2-Trichloroethane
Concen: 0.931 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 1841

Ion	Ratio	Lower	Upper
97	100		
83	81.1	71.0	106.4
85	41.0	41.7	62.5#
99	45.2	50.1	75.1#

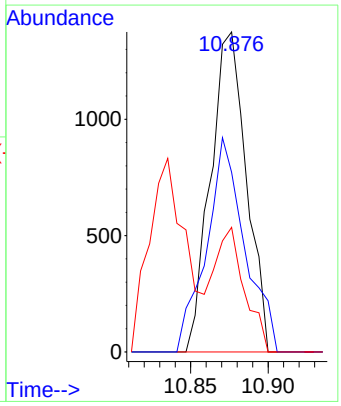


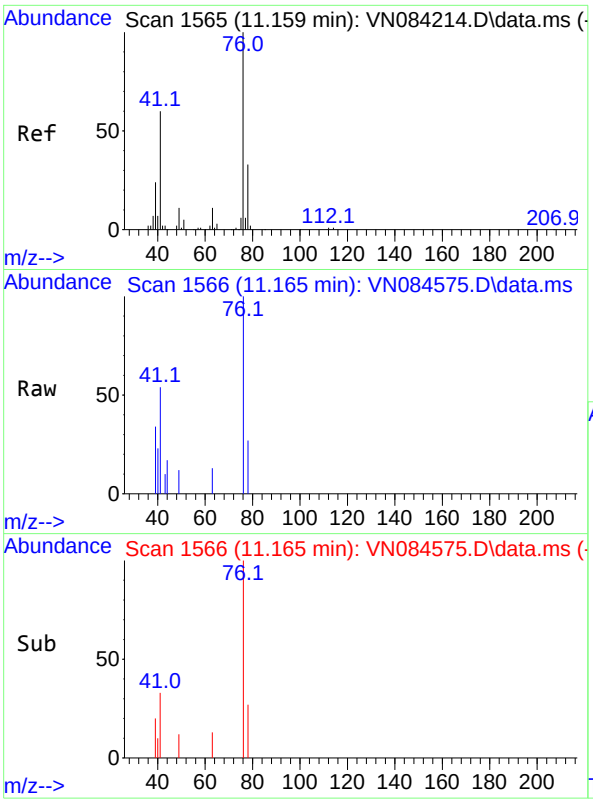


#56
Ethyl methacrylate
Concen: 0.773 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 69 Resp: 2211

Ion	Ratio	Lower	Upper
69	100		
41	71.6	53.3	79.9
39	32.3	28.8	43.2



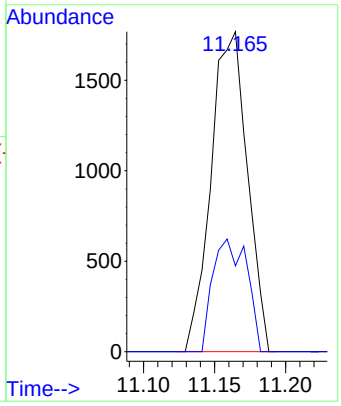


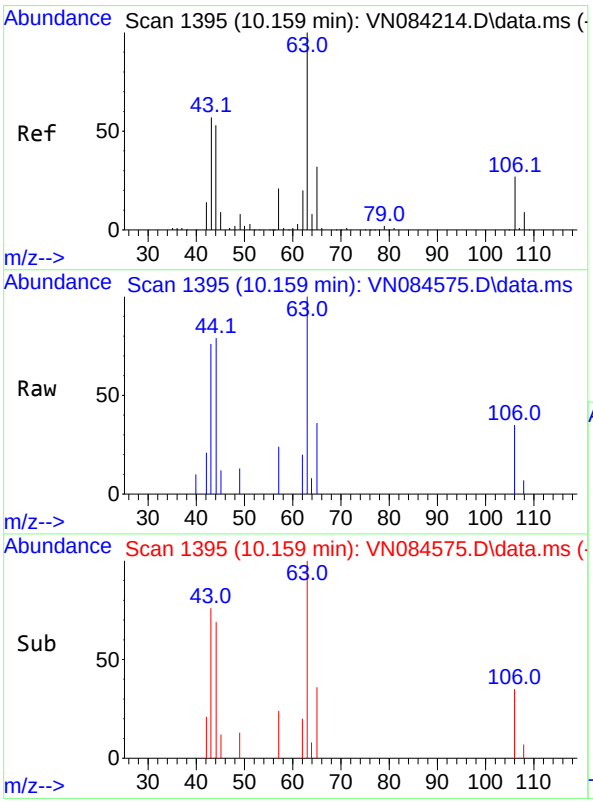
#57
1,3-Dichloropropane
Concen: 0.925 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 3139

Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.8	38.6

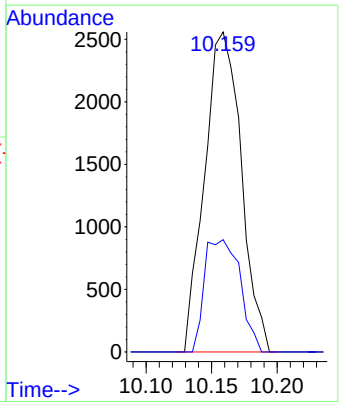


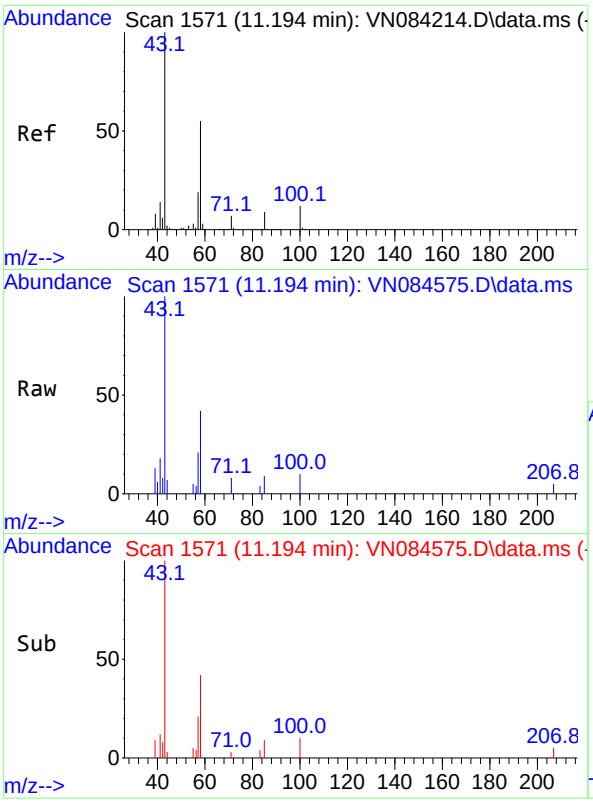


#58
2-Chloroethyl Vinyl ether
Concen: 3.720 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 63 Resp: 4979

Ion	Ratio	Lower	Upper
63	100		
106	34.0	21.8	32.6#



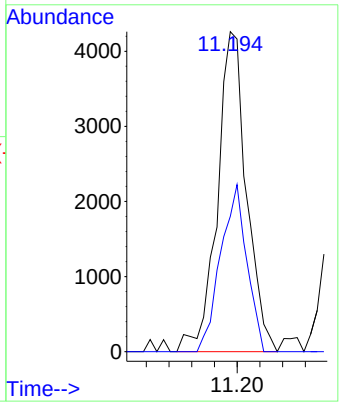


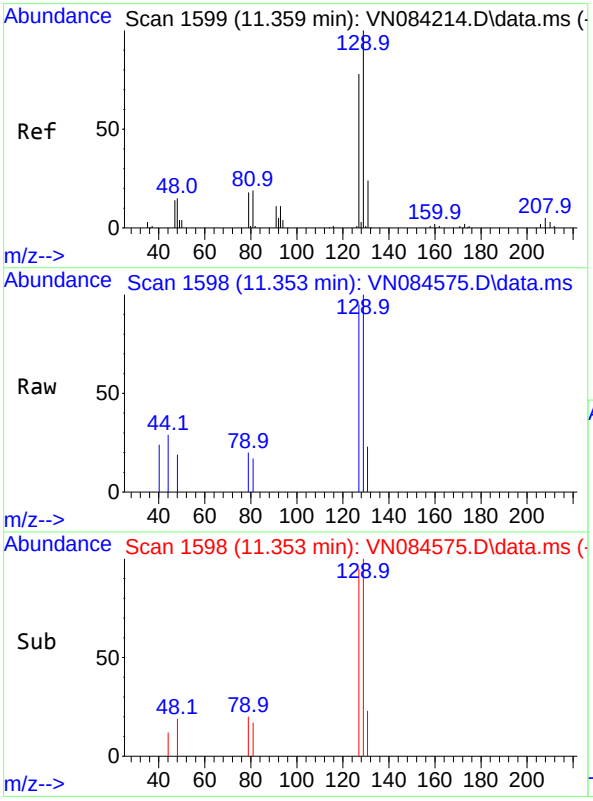
#59
2-Hexanone
Concen: 4.328 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 7617

Ion	Ratio	Lower	Upper
43	100		
58	46.7	27.3	81.8

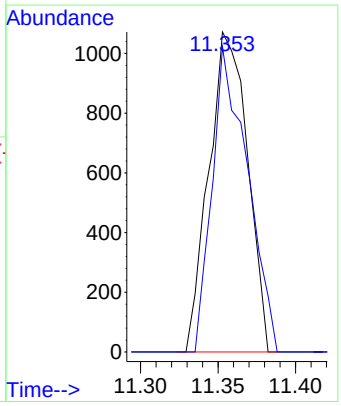


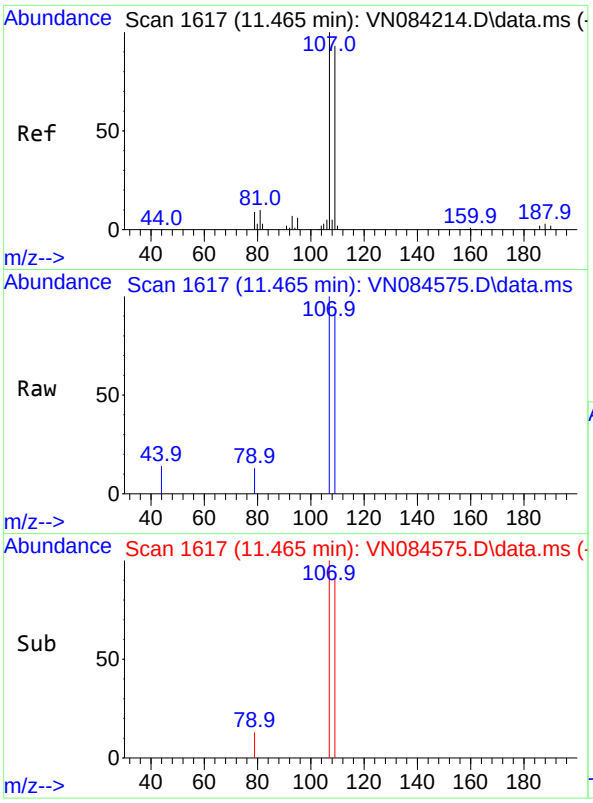


#60
Dibromochloromethane
Concen: 0.824 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:129 Resp: 1857

Ion	Ratio	Lower	Upper
129	100		
127	87.2	38.3	114.9



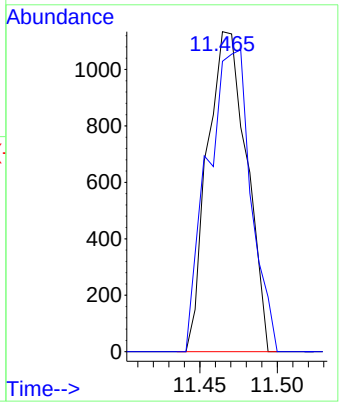


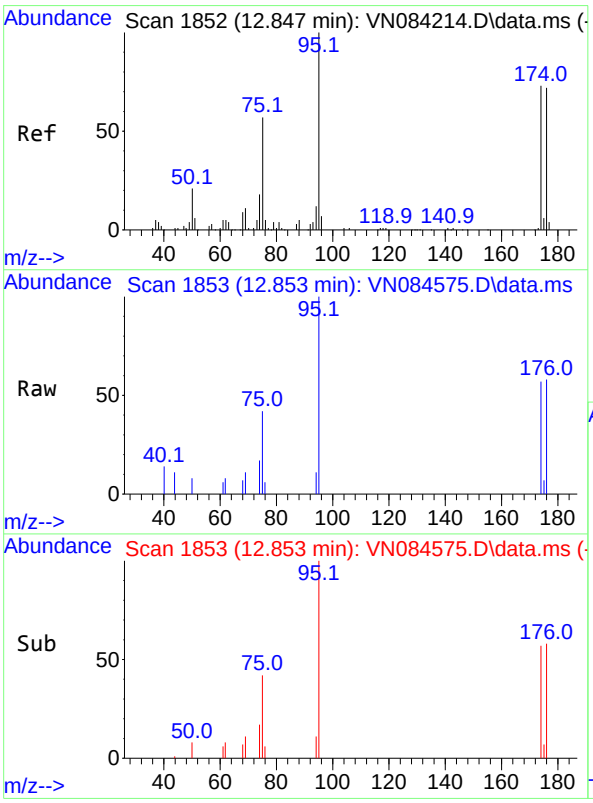
#61
1,2-Dibromoethane
Concen: 0.988 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 2001

Ion	Ratio	Lower	Upper
107	100		
109	104.4	75.4	113.0

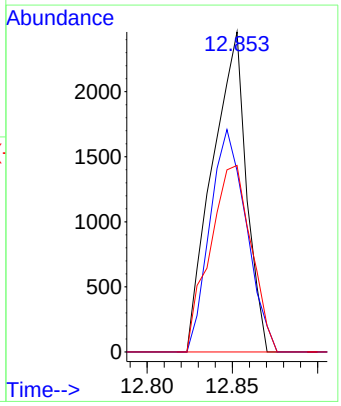


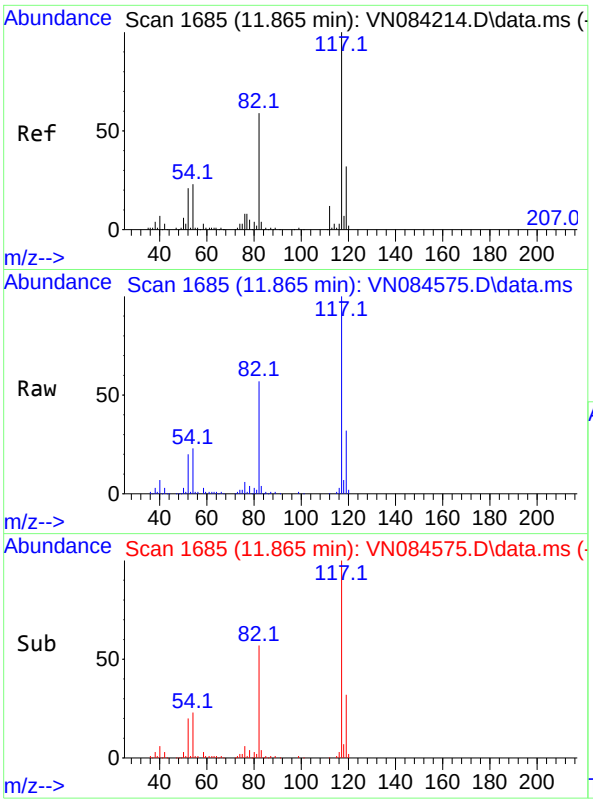


#62
4-Bromofluorobenzene
Concen: 1.233 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 95 Resp: 3420

Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	145.2
176	70.6	0.0	140.0



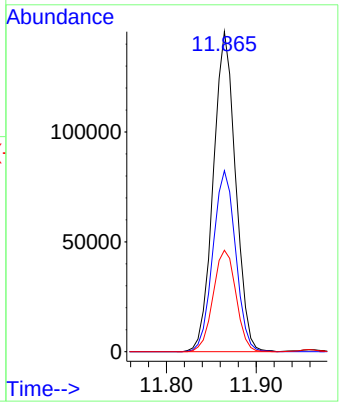


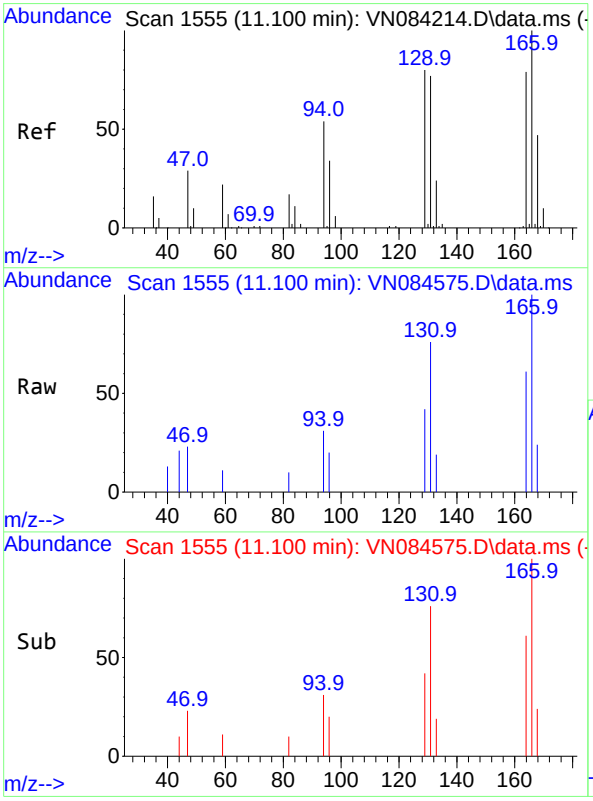
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 250990

Ion	Ratio	Lower	Upper
117	100		
82	56.5	47.2	70.8
119	31.7	25.4	38.0

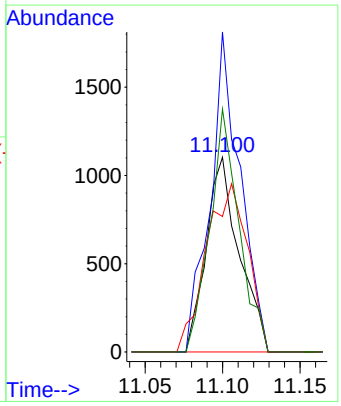


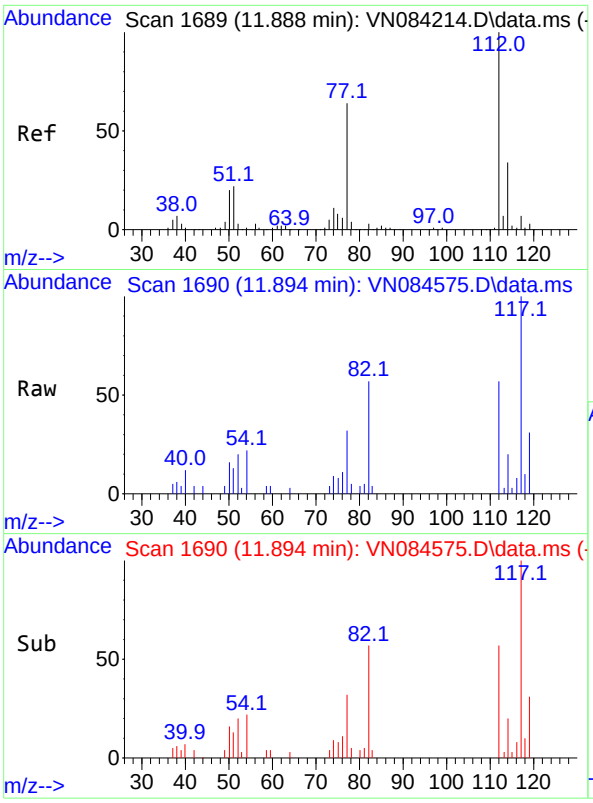


#64
Tetrachloroethene
Concen: 0.976 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:164 Resp: 1629

Ion	Ratio	Lower	Upper
164	100		
166	164.4	101.0	151.4#
129	69.6	80.8	121.2#
131	124.8	78.1	117.1#



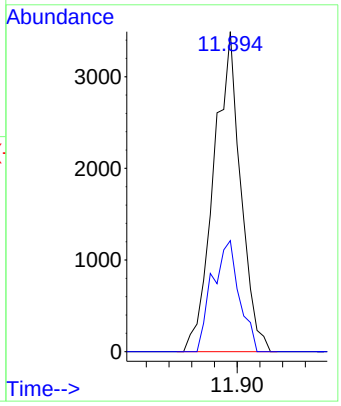


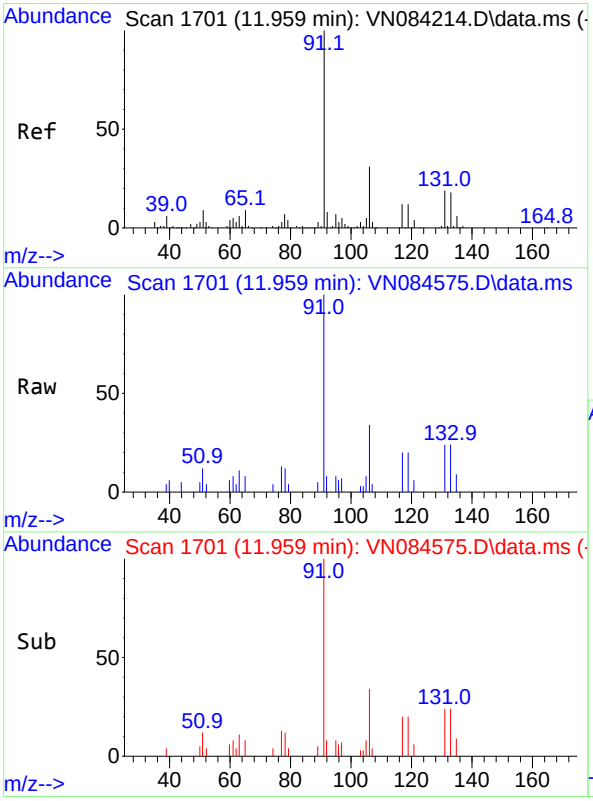
#65
Chlorobenzene
Concen: 1.025 ug/l
RT: 11.894 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 5753

Ion	Ratio	Lower	Upper
112	100		
114	34.7	27.0	40.6

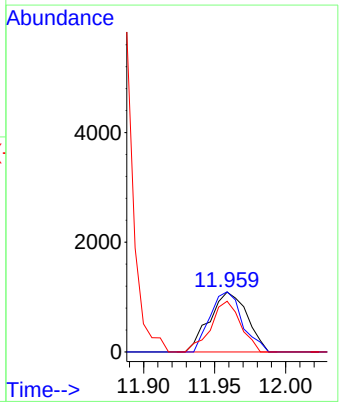


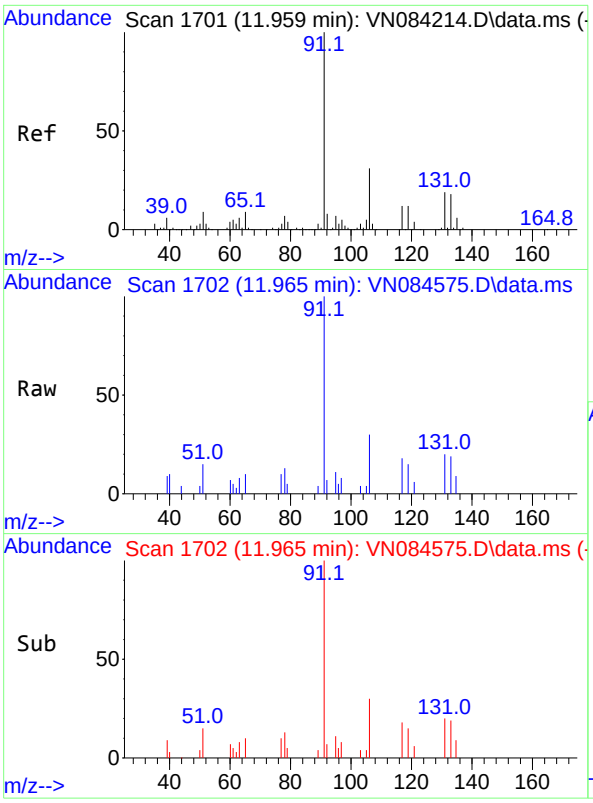


#66
1,1,1,2-Tetrachloroethane
Concen: 1.025 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:131 Resp: 2002

Ion	Ratio	Lower	Upper
131	100		
133	86.7	47.9	143.7
119	0.0	32.8	98.3#



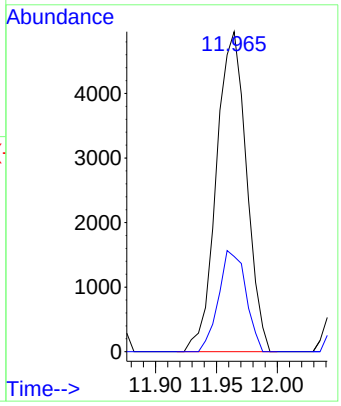


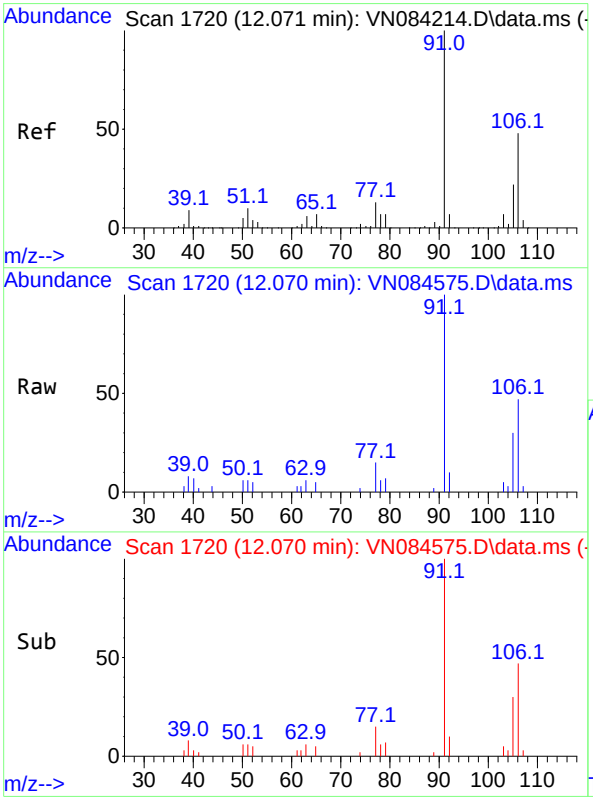
#67
Ethyl Benzene
Concen: 0.909 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 8520

Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.5	36.7

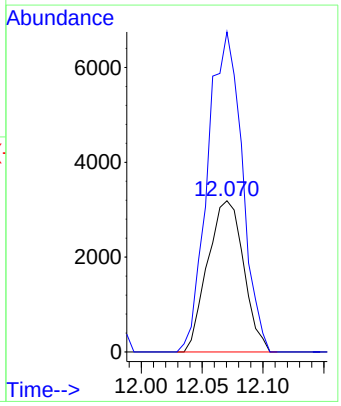


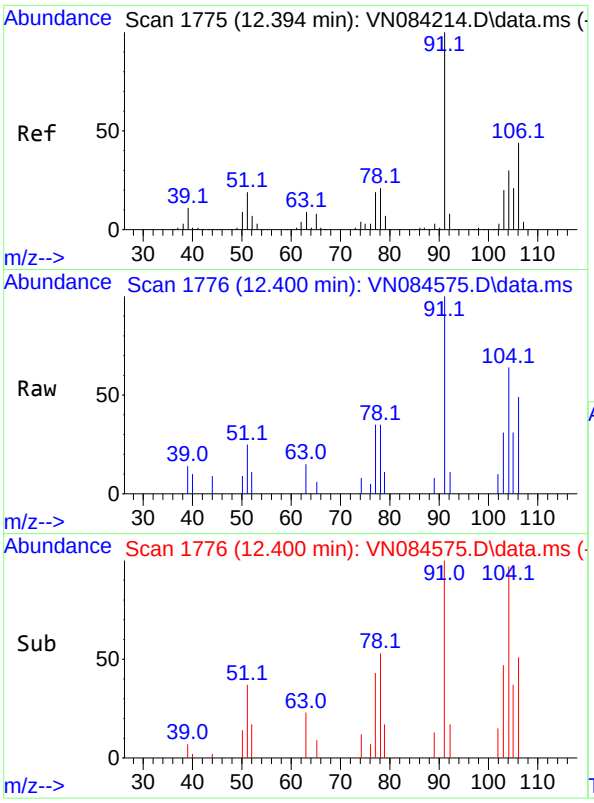


#68
m/p-Xylenes
Concen: 1.851 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:106 Resp: 6568

Ion	Ratio	Lower	Upper
106	100		
91	202.9	167.1	250.7



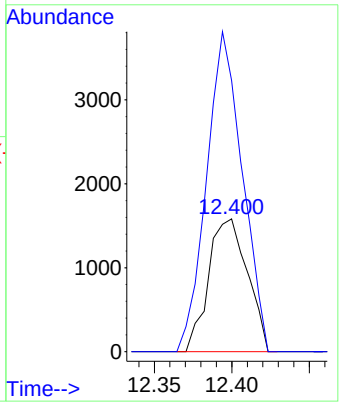


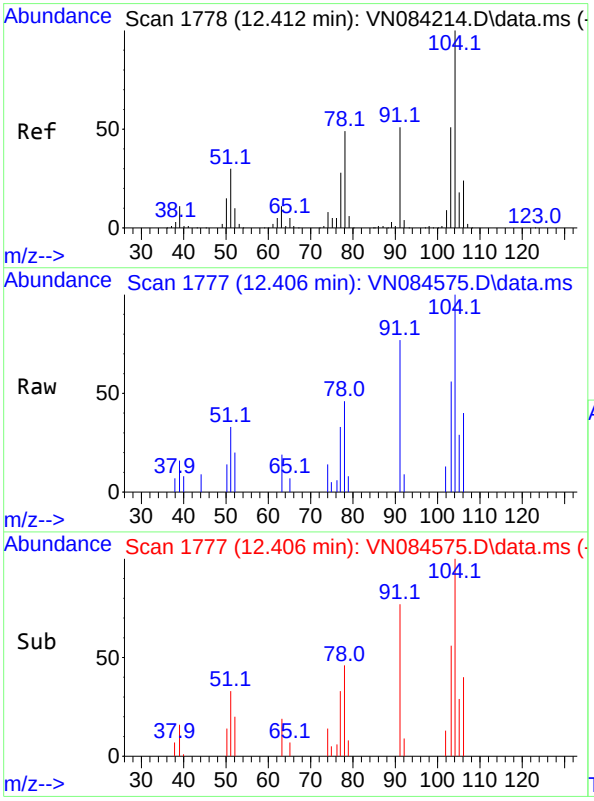
#69
o-Xylene
Concen: 0.831 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 2759

Ion	Ratio	Lower	Upper
106	100		
91	221.6	110.2	330.6

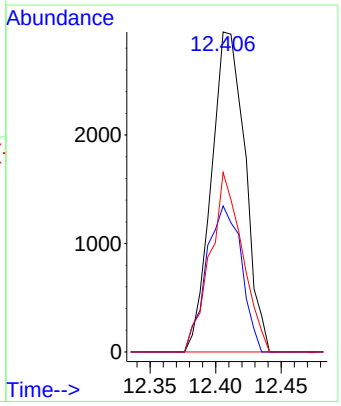


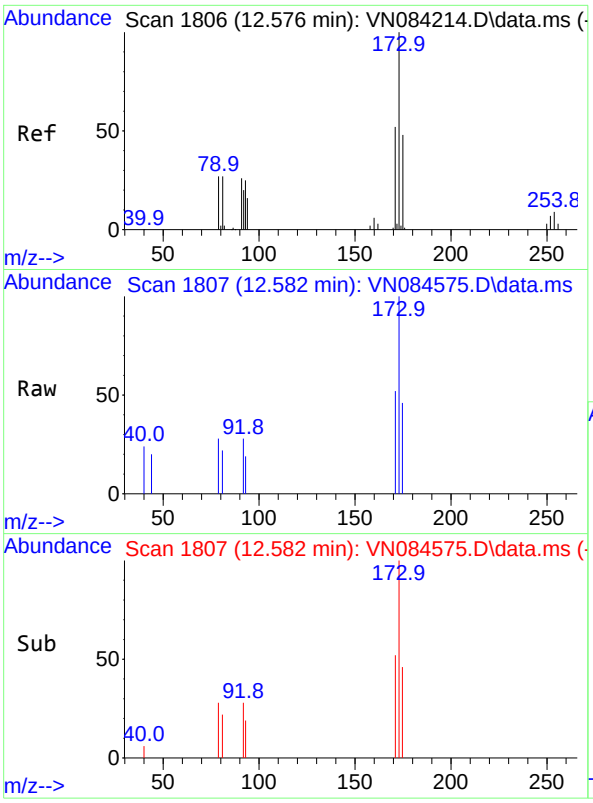


#70
Styrene
Concen: 0.910 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:104 Resp: 5269

Ion	Ratio	Lower	Upper
104	100		
78	47.3	42.7	64.1
103	53.6	43.6	65.4



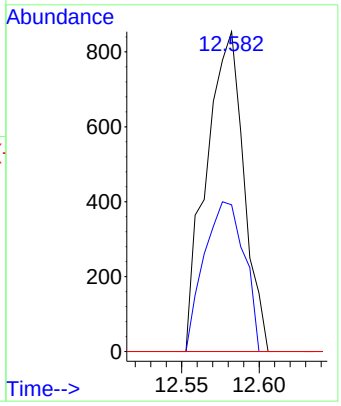


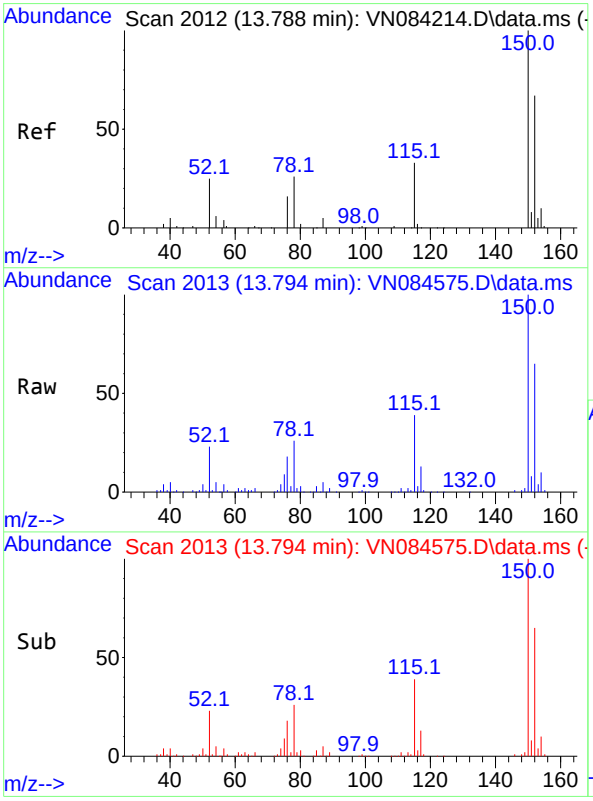
#71
Bromoform
Concen: 0.976 ug/l
RT: 12.582 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 1434

Ion	Ratio	Lower	Upper
173	100		
175	50.3	23.5	70.6
254	0.0	0.0	0.0

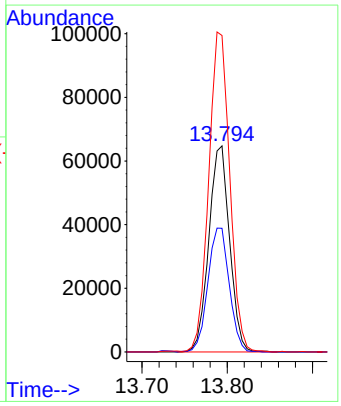


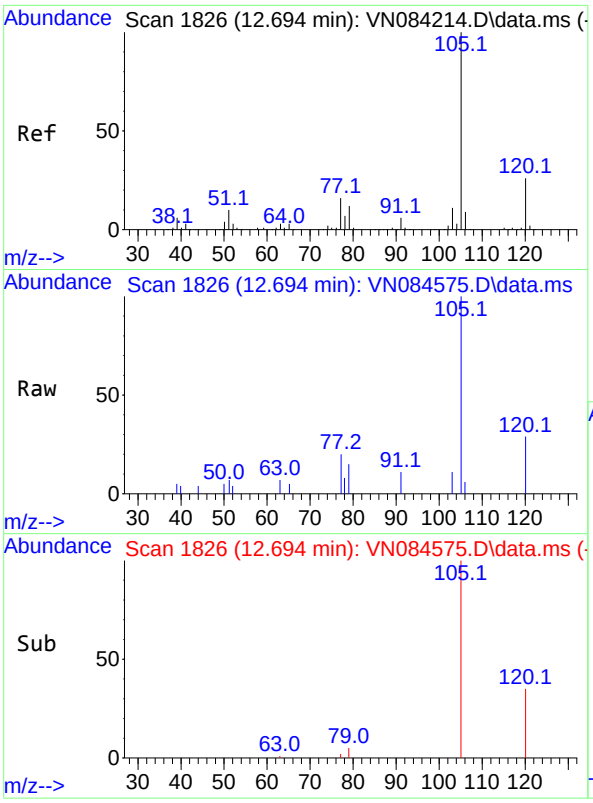


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:152 Resp: 109560

Ion	Ratio	Lower	Upper
152	100		
115	61.9	31.3	93.9
150	157.6	0.0	349.8



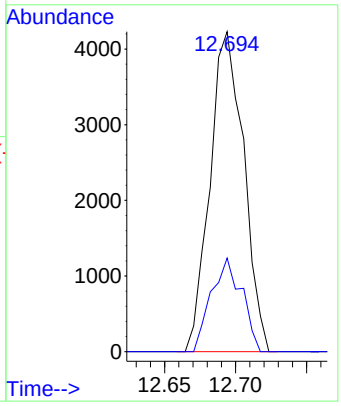


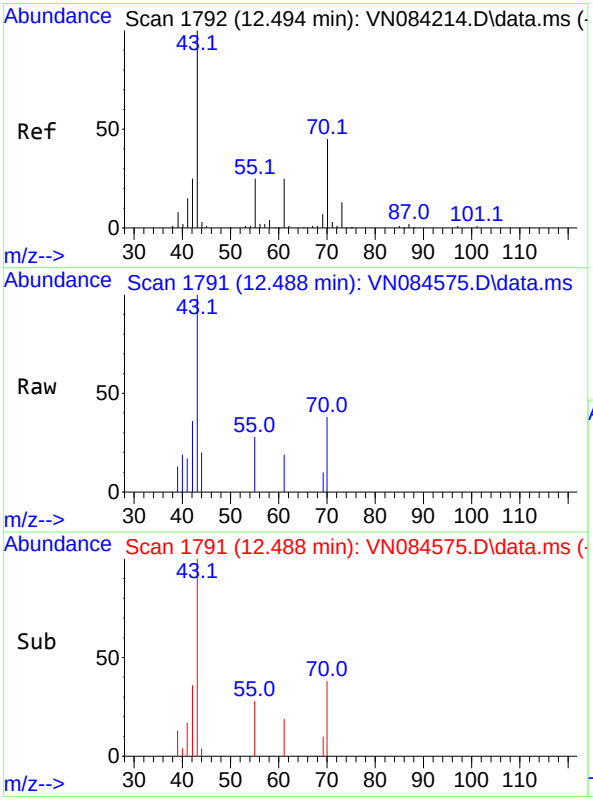
#73
Isopropylbenzene
Concen: 0.910 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 6985

Ion	Ratio	Lower	Upper
105	100		
120	26.5	12.9	38.7

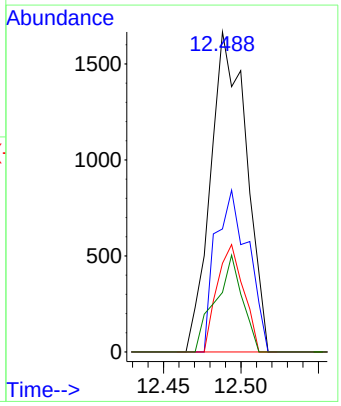


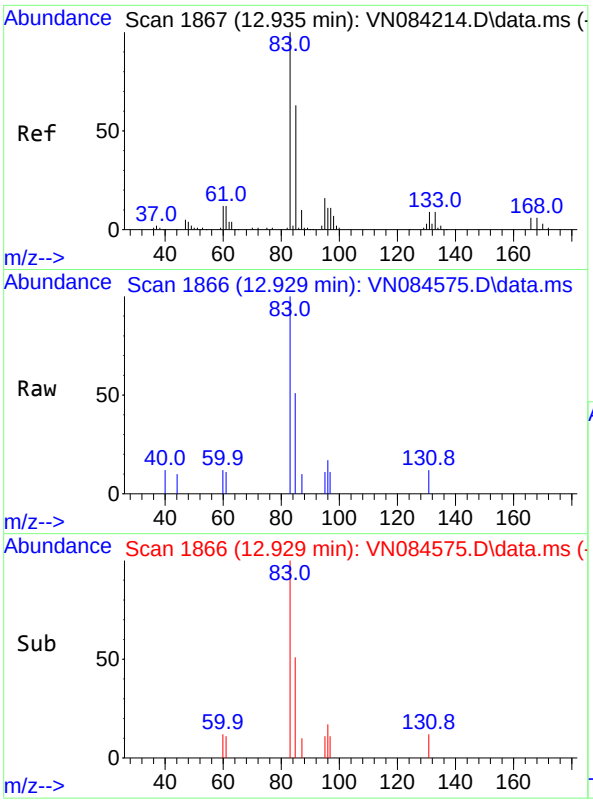


#74
N-amyl acetate
Concen: 0.820 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 43 Resp: 2680

Ion	Ratio	Lower	Upper
43	100		
70	45.9	34.4	51.6
55	24.7	19.6	29.4
61	22.6	19.6	29.4



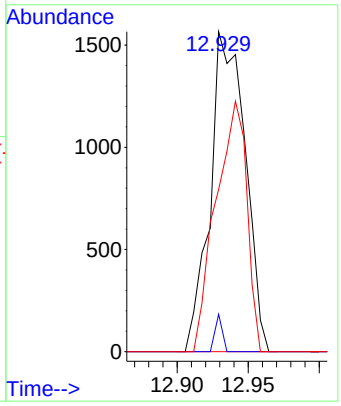


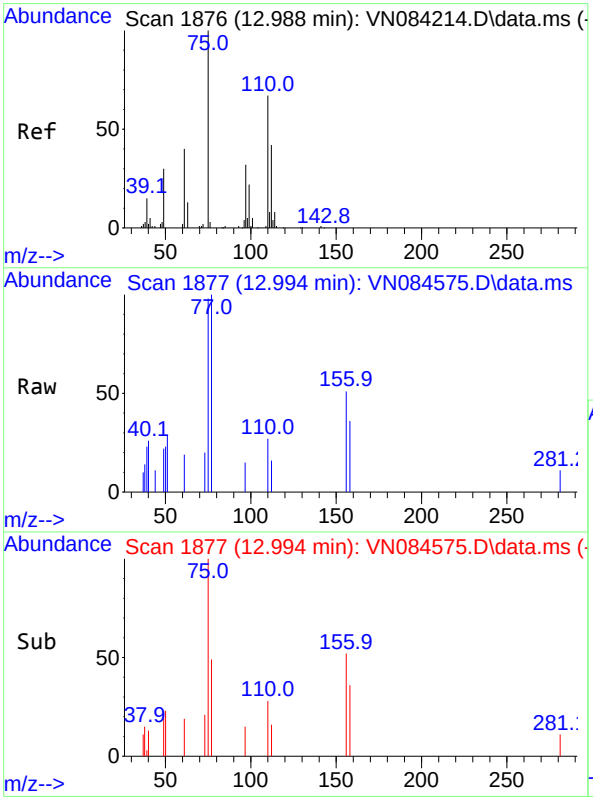
#75
1,1,2,2-Tetrachloroethane
Concen: 1.045 ug/l
RT: 12.929 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 2678

Ion	Ratio	Lower	Upper
83	100		
131	2.4	4.9	14.7#
85	69.2	31.9	95.7

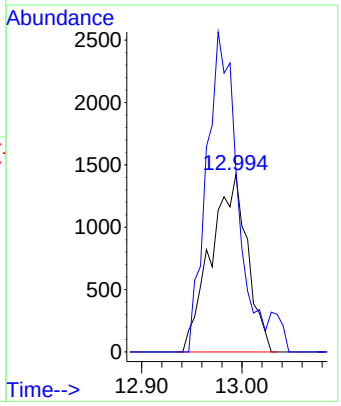


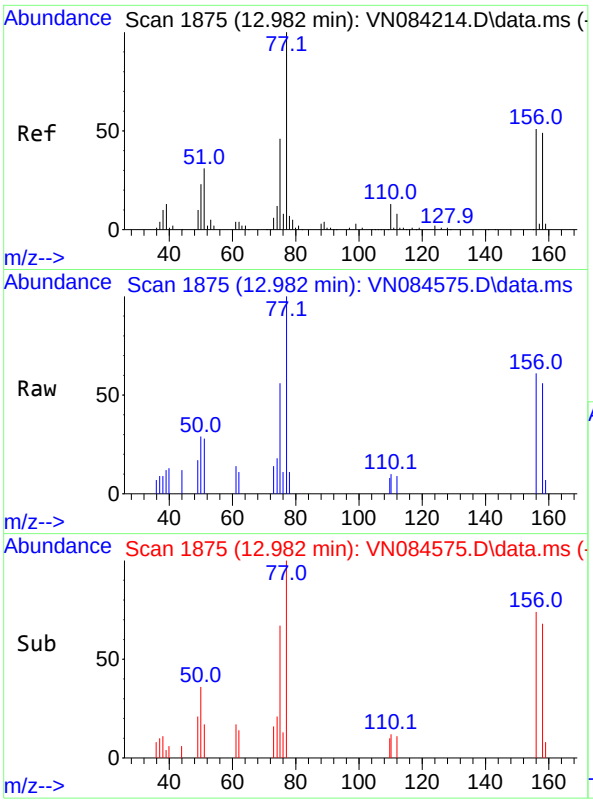


#76
1,2,3-Trichloropropane
Concen: 1.670 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 75 Resp: 3610

Ion	Ratio	Lower	Upper
75	100		
77	151.0	96.9	290.7



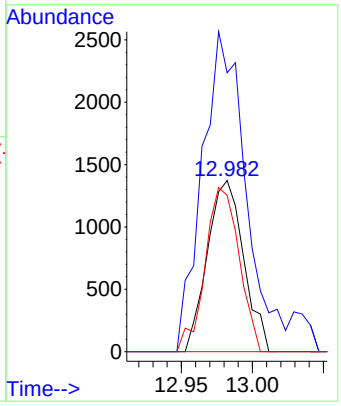


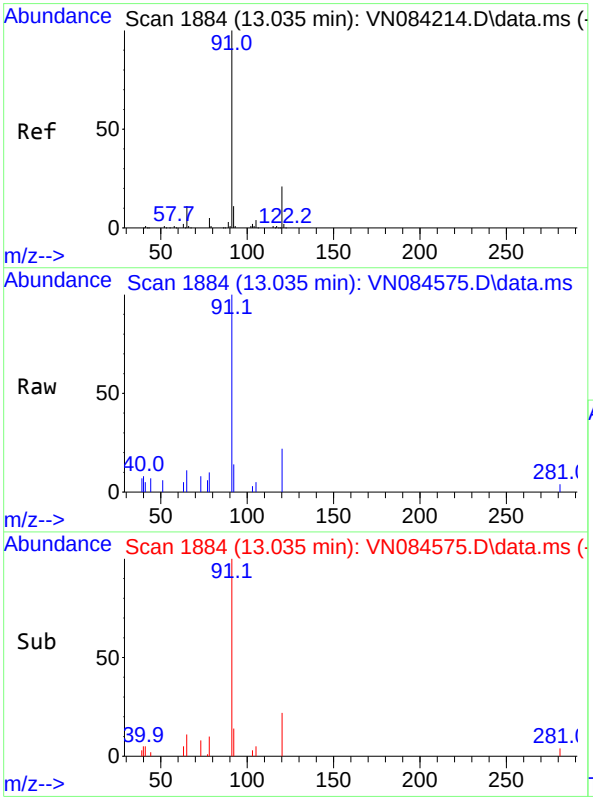
#77
Bromobenzene
Concen: 1.182 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:156 Resp: 2440

Ion	Ratio	Lower	Upper
156	100		
77	223.4	115.1	345.3
158	89.6	48.9	146.8

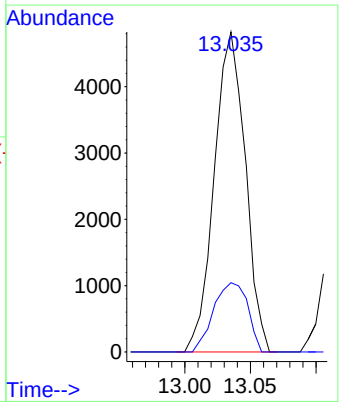


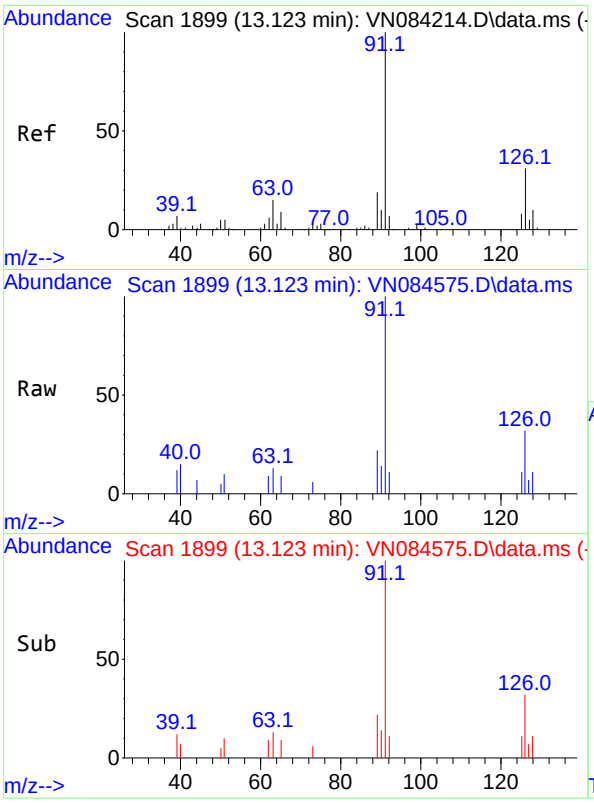


#78
n-propylbenzene
Concen: 0.882 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 91 Resp: 7935

Ion	Ratio	Lower	Upper
91	100		
120	23.8	10.8	32.4



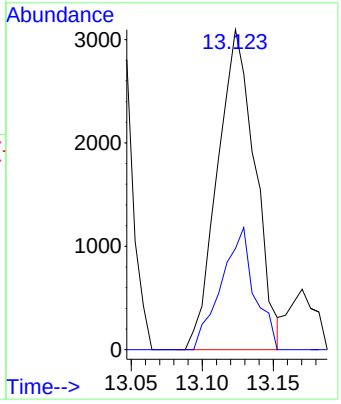


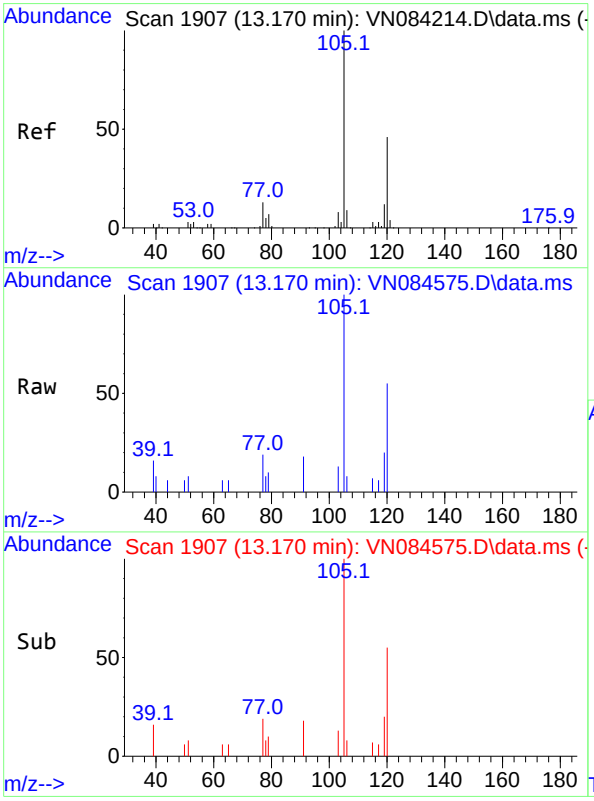
#79
2-Chlorotoluene
Concen: 0.969 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 5699

Ion	Ratio	Lower	Upper
91	100		
126	33.7	15.7	47.1

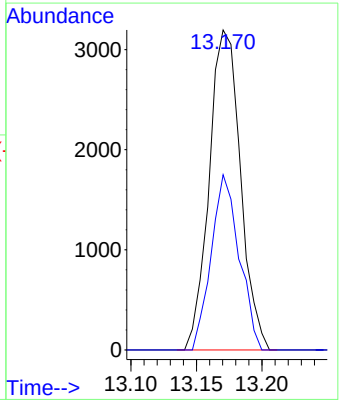


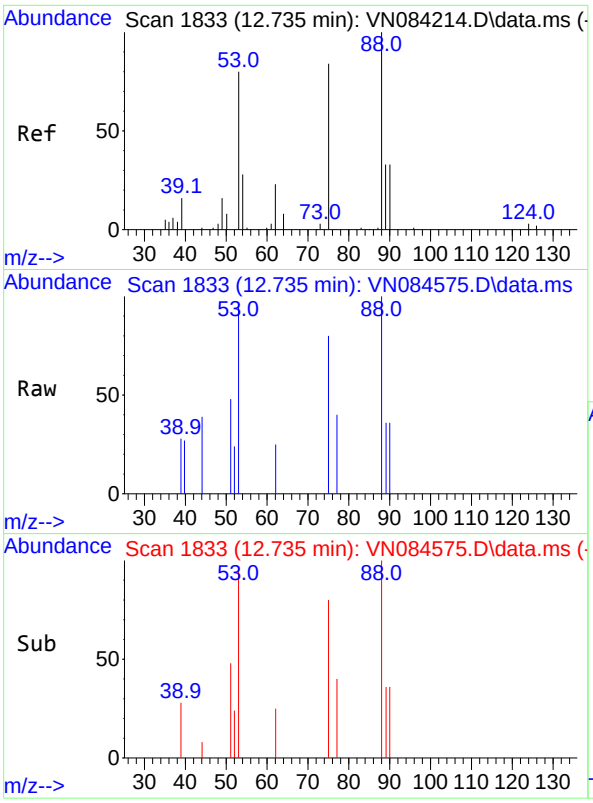


#80
1,3,5-Trimethylbenzene
Concen: 0.833 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:105 Resp: 5298

Ion	Ratio	Lower	Upper
105	100		
120	49.0	23.7	71.1



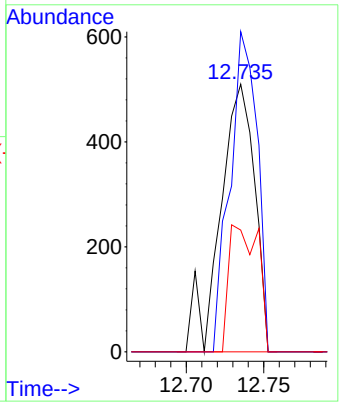


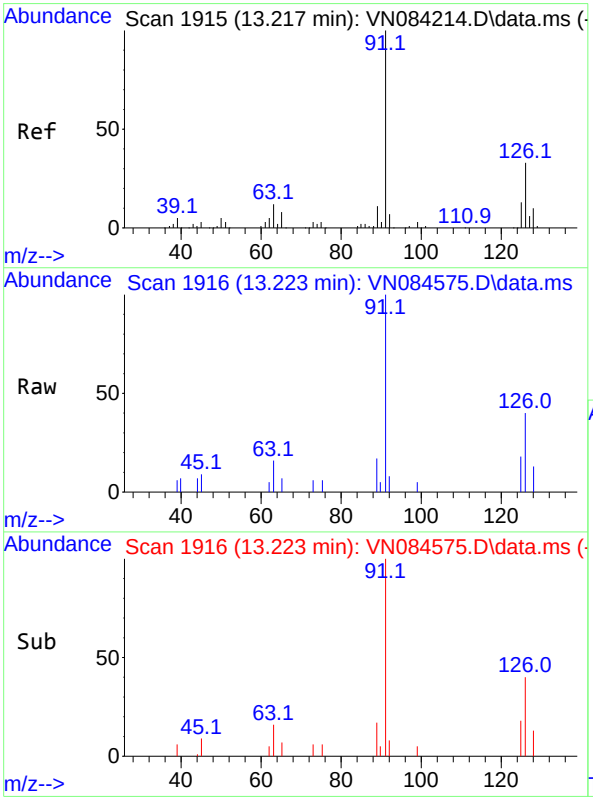
#81
trans-1,4-Dichloro-2-butene
Concen: 0.855 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 789

Ion	Ratio	Lower	Upper
75	100		
53	94.4	78.0	117.0
89	40.1	35.5	53.3

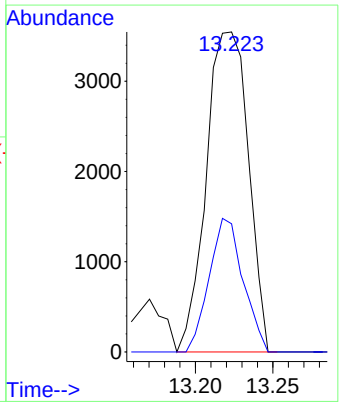


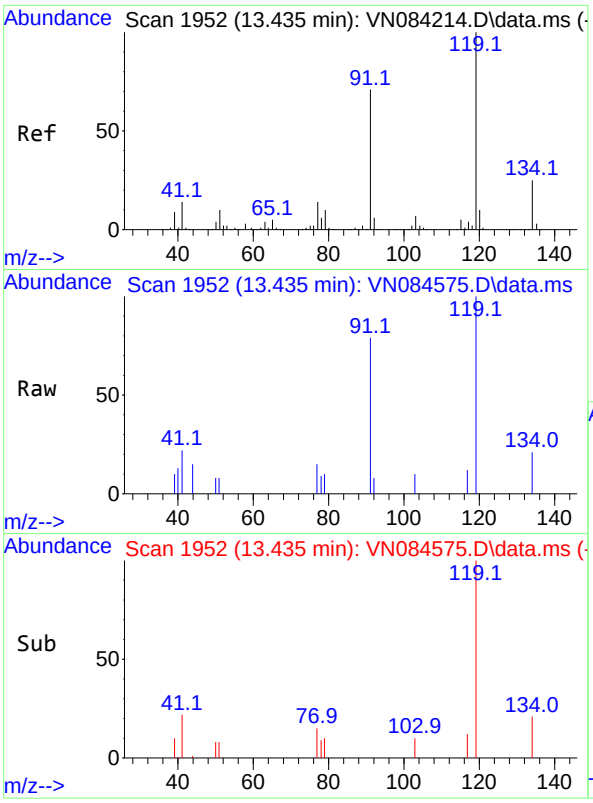


#82
4-Chlorotoluene
Concen: 1.080 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 91 Resp: 6682

Ion	Ratio	Lower	Upper
91	100		
126	33.7	15.7	47.1



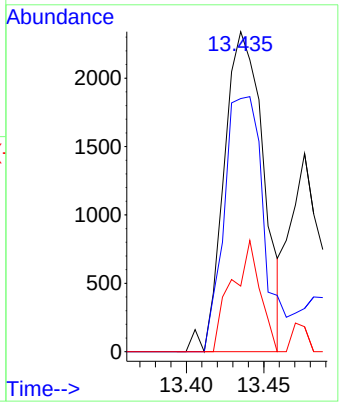


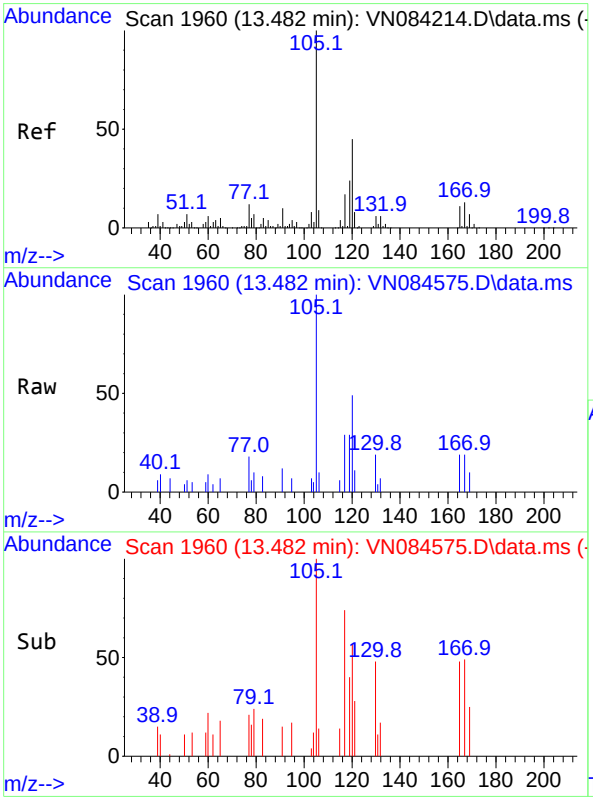
#83
tert-Butylbenzene
Concen: 0.788 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 4148

Ion	Ratio	Lower	Upper
119	100		
91	79.8	34.1	102.3
134	24.9	12.8	38.4

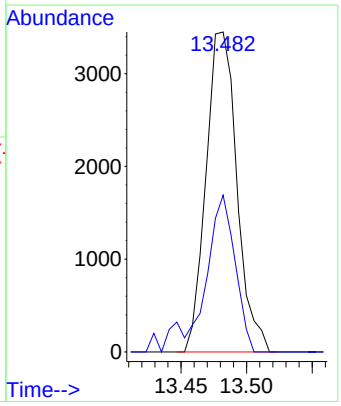


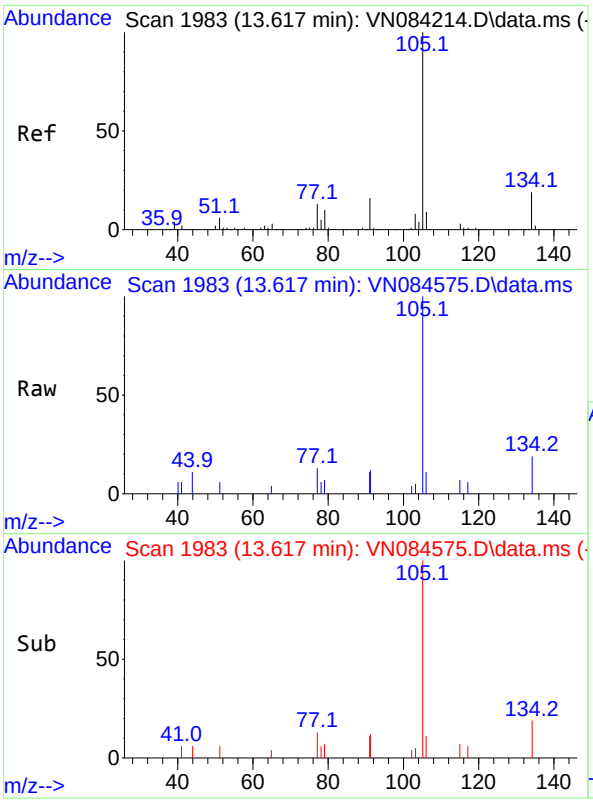


#84
1,2,4-Trimethylbenzene
Concen: 0.860 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:105 Resp: 5651

Ion	Ratio	Lower	Upper
105	100		
120	43.2	22.3	66.8



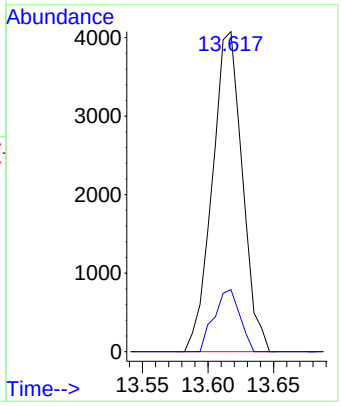


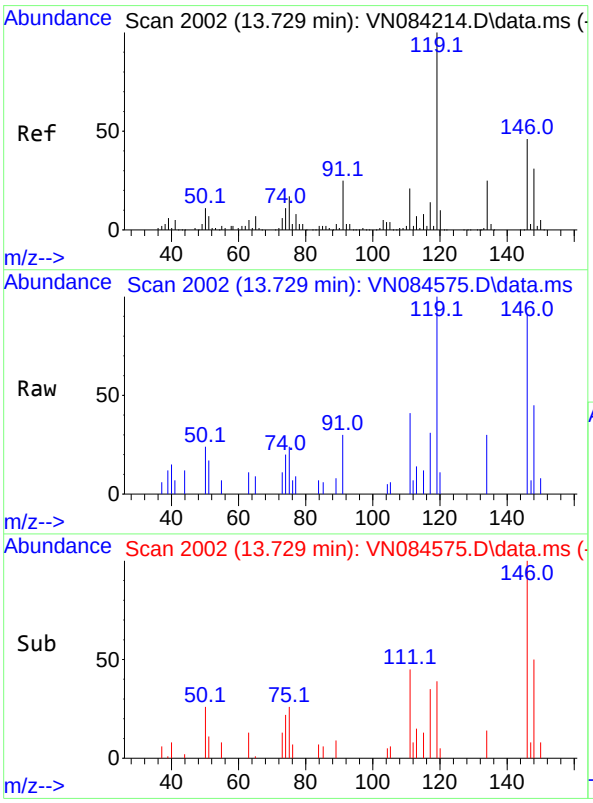
#85
sec-Butylbenzene
Concen: 0.872 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 6490

Ion	Ratio	Lower	Upper
105	100		
134	16.6	9.8	29.4

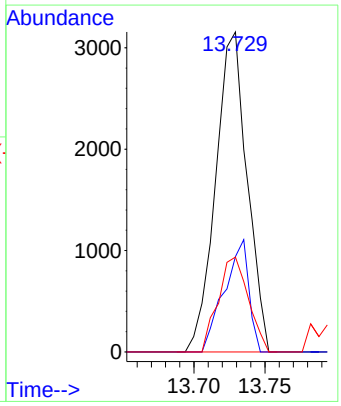


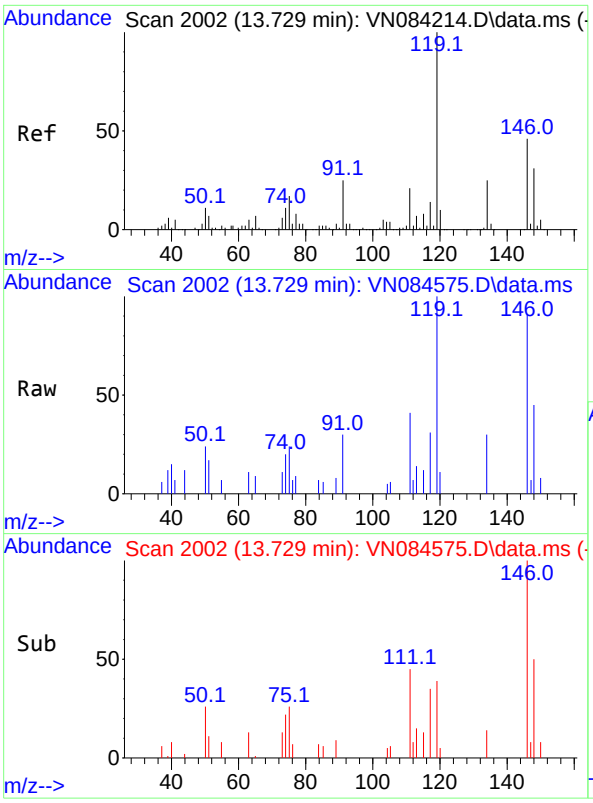


#86
p-Isopropyltoluene
Concen: 0.796 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:119 Resp: 4859

Ion	Ratio	Lower	Upper
119	100		
134	27.3	12.6	37.8
91	28.4	12.4	37.2



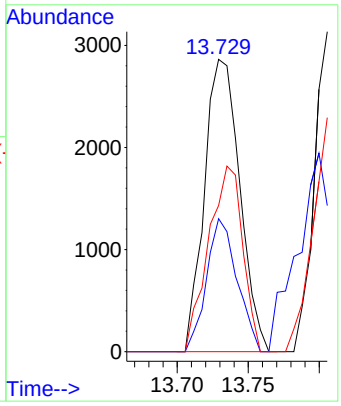


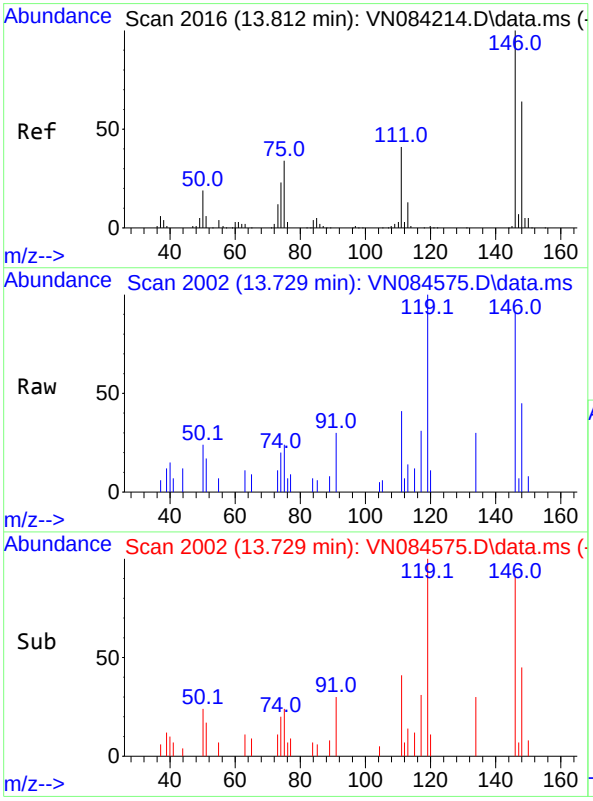
#87
1,3-Dichlorobenzene
Concen: 1.232 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 4961

Ion	Ratio	Lower	Upper
146	100		
111	39.3	21.8	65.3
148	61.2	31.9	95.7

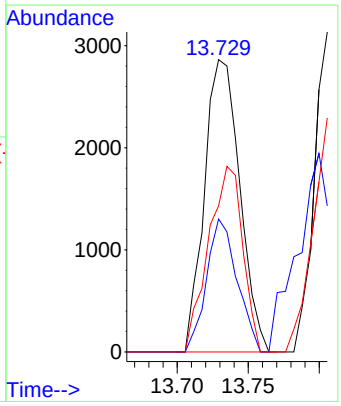


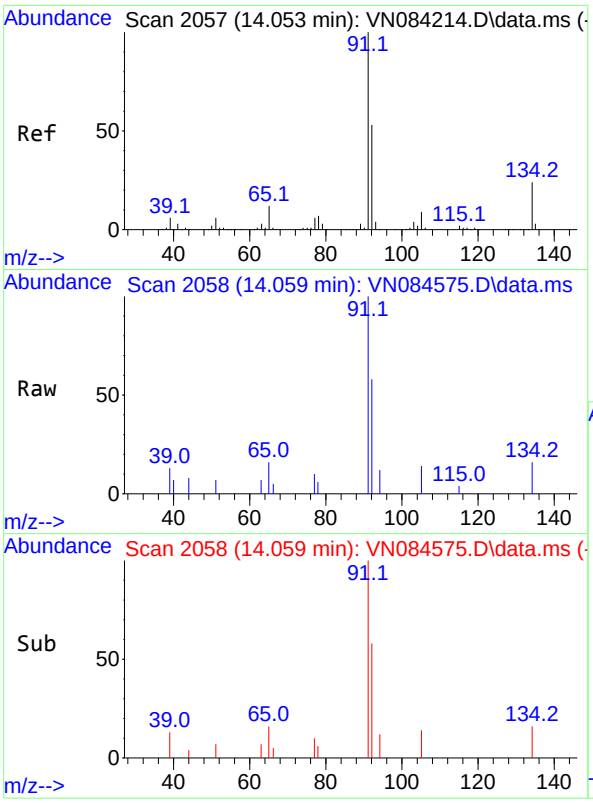


#88
1,4-Dichlorobenzene
Concen: 0.498 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.083 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:146 Resp: 4961

Ion	Ratio	Lower	Upper
146	100		
111	39.3	21.2	63.6
148	61.2	31.9	95.9



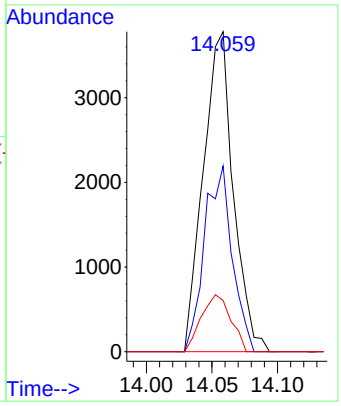


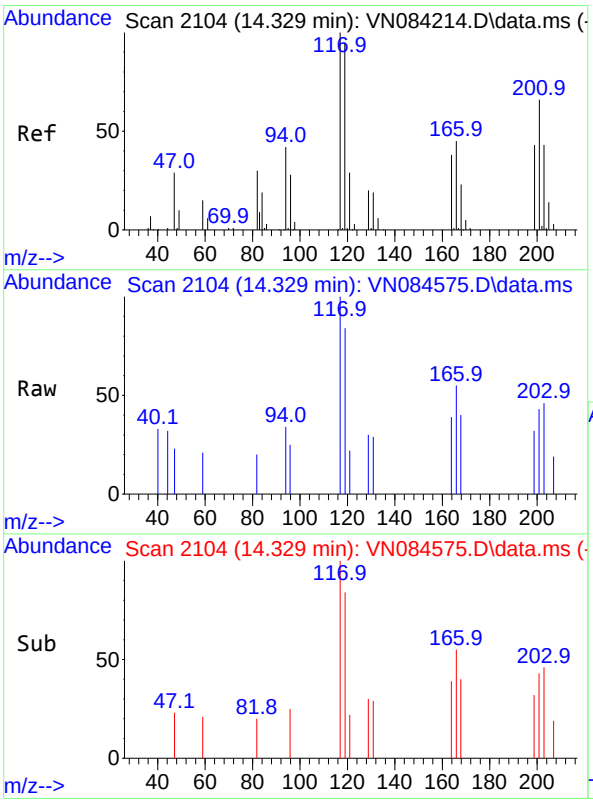
#89
n-Butylbenzene
Concen: 1.055 ug/l
RT: 14.059 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 6020

Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.6	79.7
134	17.5	12.3	36.9

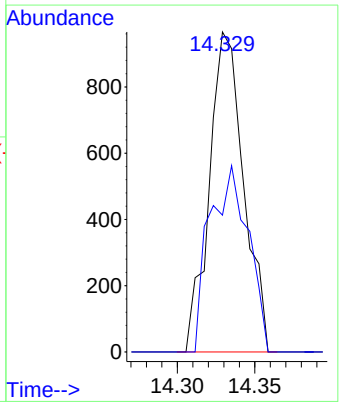


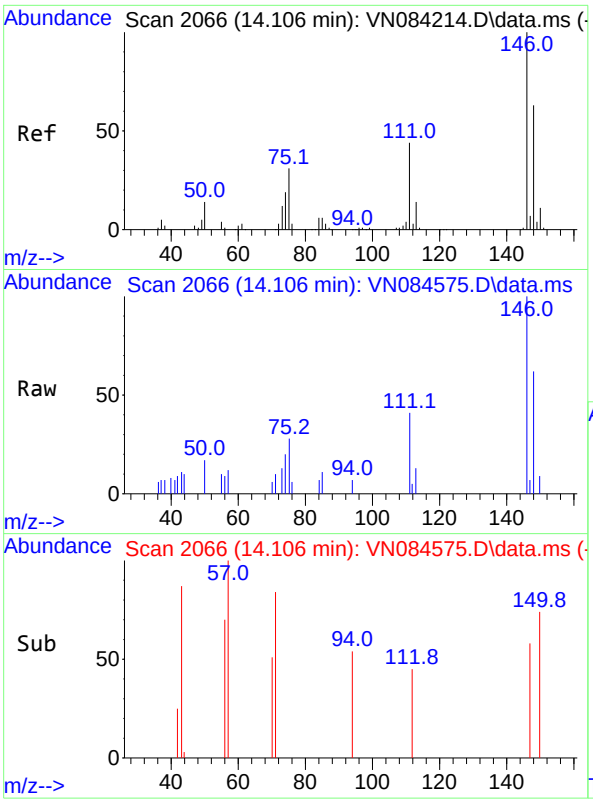


#90
Hexachloroethane
Concen: 1.097 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:117 Resp: 1493

Ion	Ratio	Lower	Upper
117	100		
201	65.1	34.4	103.2



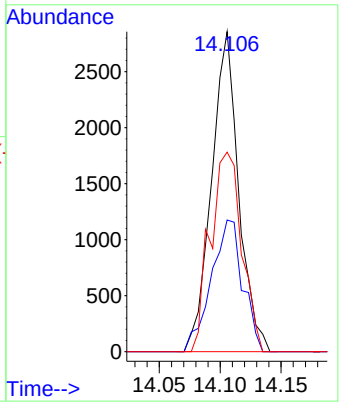


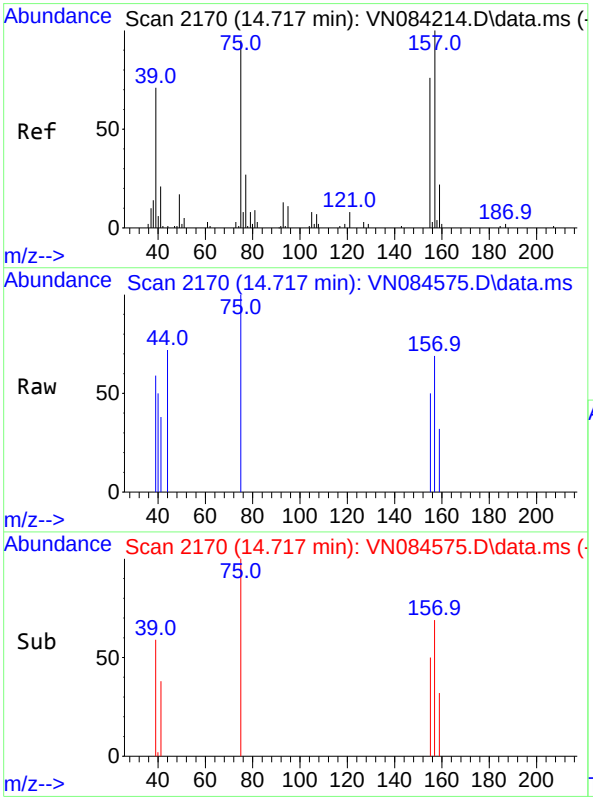
#91
1,2-Dichlorobenzene
Concen: 1.144 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 4428

Ion	Ratio	Lower	Upper
146	100		
111	47.8	22.0	66.0
148	72.3	32.1	96.3

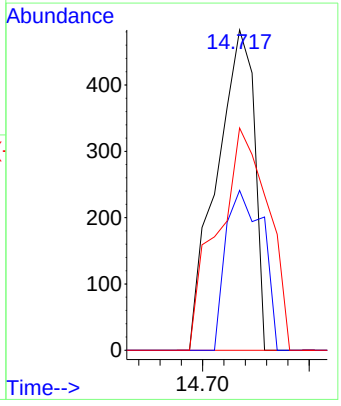


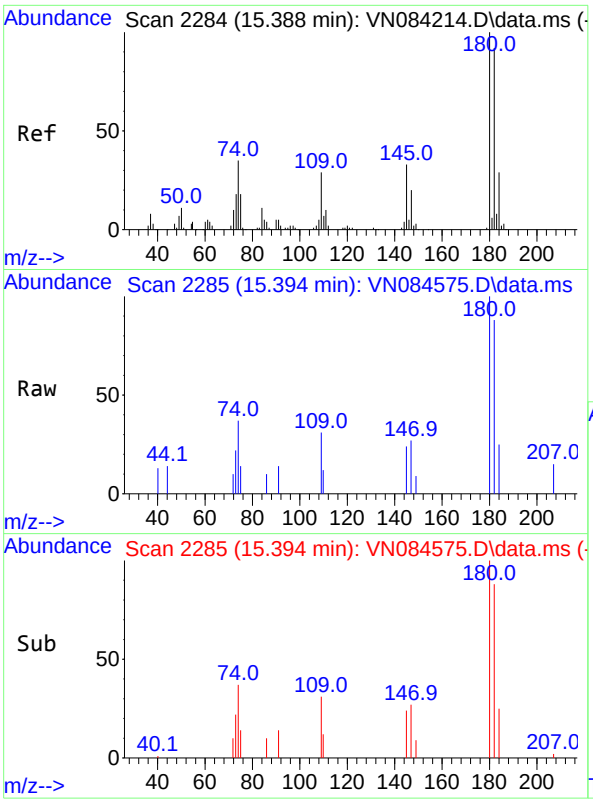


#92
1,2-Dibromo-3-Chloropropane
Concen: 1.146 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 75 Resp: 595

Ion	Ratio	Lower	Upper
75	100		
155	49.2	38.1	114.5
157	92.8	49.6	149.0



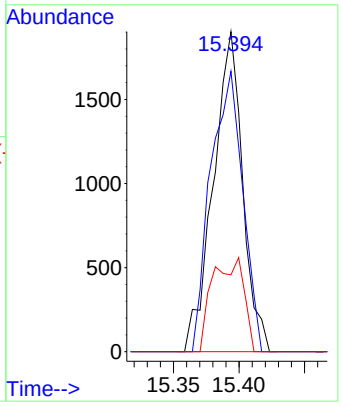


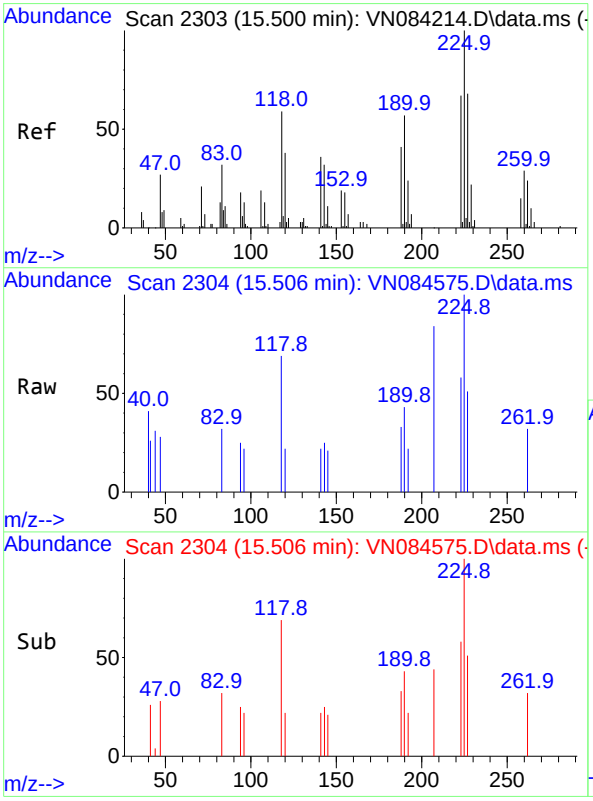
#93
1,2,4-Trichlorobenzene
Concen: 1.399 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 2964

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.0	141.0
145	31.3	16.4	49.4

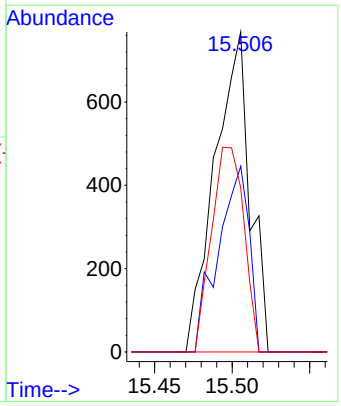


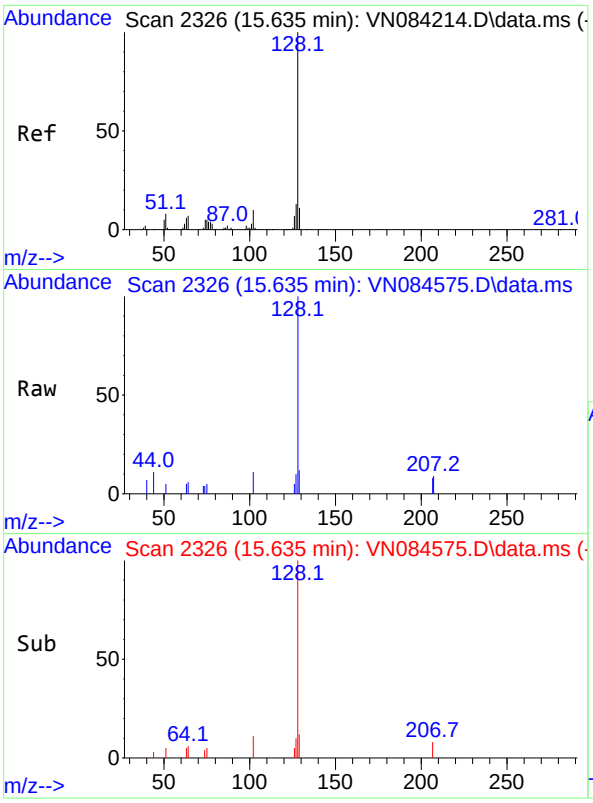


#94
Hexachlorobutadiene
Concen: 1.298 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. 0.005 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:225 Resp: 1208

Ion	Ratio	Lower	Upper
225	100		
223	51.3	32.4	97.2
227	59.2	32.4	97.0



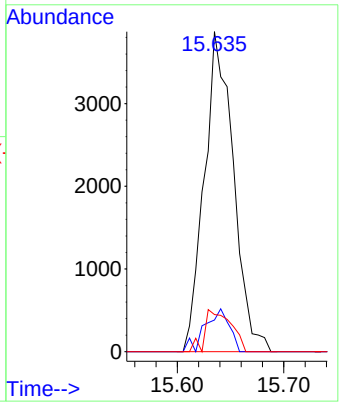


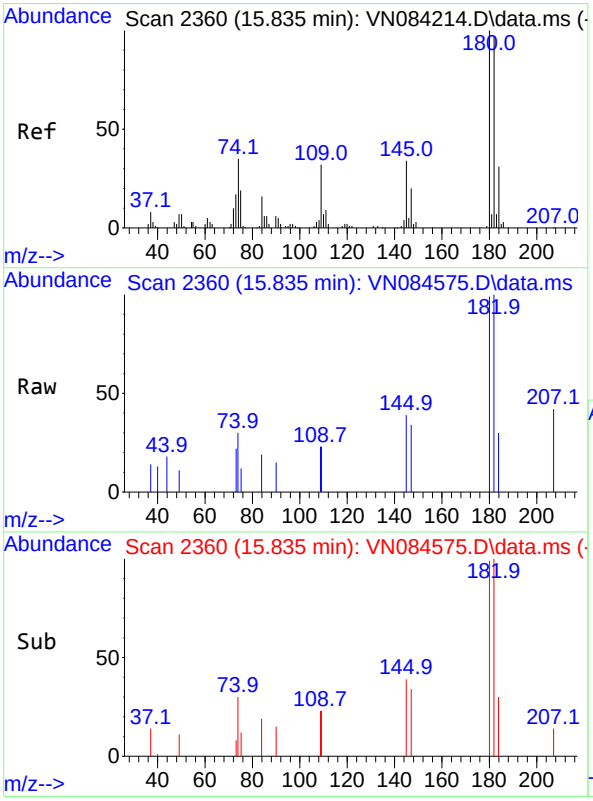
#95
Naphthalene
Concen: 1.159 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 7352

Ion	Ratio	Lower	Upper
128	100		
127	11.1	10.5	15.7
129	11.8	8.7	13.1

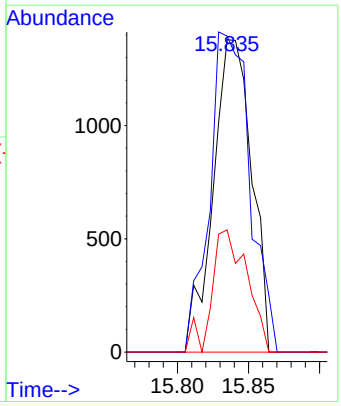




#96
1,2,3-Trichlorobenzene
Concen: 1.267 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:180 Resp: 2605

Ion	Ratio	Lower	Upper
180	100		
182	107.5	48.2	144.6
145	35.7	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	192202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	324264	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	291586	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	142817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	132029	47.560	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.120%			
35) Dibromofluoromethane	8.165	113	104306	47.522	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.040%			
50) Toluene-d8	10.565	98	390989	48.359	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.720%			
62) 4-Bromofluorobenzene	12.847	95	144180	47.715	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	101605	45.985	ug/l	97
3) Chloromethane	2.359	50	118060	45.299	ug/l	99
4) Vinyl Chloride	2.512	62	110340	46.430	ug/l	95
5) Bromomethane	2.900	94	54764	43.494	ug/l	100
6) Chloroethane	3.071	64	68330	46.348	ug/l	93
7) Trichlorofluoromethane	3.471	101	178683	45.644	ug/l	98
8) Diethyl Ether	3.959	74	64407	46.640	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	101094	45.702	ug/l	98
10) Methyl Iodide	4.577	142	137594	46.542	ug/l	97
11) Tert butyl alcohol	5.536	59	80556	219.840	ug/l	99
12) 1,1-Dichloroethene	4.330	96	99235	45.338	ug/l	99
13) Acrolein	4.171	56	79788	218.362	ug/l	98
14) Allyl chloride	5.012	41	170293	47.975	ug/l	92
15) Acrylonitrile	5.718	53	251141	236.747	ug/l	100
16) Acetone	4.430	43	196070	244.445	ug/l	100
17) Carbon Disulfide	4.700	76	287697	42.682	ug/l	99
18) Methyl Acetate	5.024	43	132834	44.944	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	326067	48.603	ug/l	97
20) Methylene Chloride	5.265	84	111618	45.716	ug/l	91
21) trans-1,2-Dichloroethene	5.777	96	101181	45.019	ug/l	98
22) Diisopropyl ether	6.671	45	343763	48.739	ug/l	99
23) Vinyl Acetate	6.600	43	1204384	247.614	ug/l	99
24) 1,1-Dichloroethane	6.559	63	196518	46.408	ug/l	97
25) 2-Butanone	7.483	43	307765	237.635	ug/l	97
26) 2,2-Dichloropropane	7.488	77	166234	45.103	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	121280	46.214	ug/l	97
28) Bromochloromethane	7.806	49	92741	54.971	ug/l	97
29) Tetrahydrofuran	7.835	42	211210	245.822	ug/l	98
30) Chloroform	7.965	83	203935	47.316	ug/l	100
31) Cyclohexane	8.253	56	172671	45.053	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	183488	46.774	ug/l	98
36) 1,1-Dichloropropene	8.365	75	141152	46.370	ug/l	100
37) Ethyl Acetate	7.559	43	132993	48.154	ug/l	99
38) Carbon Tetrachloride	8.359	117	157005	46.145	ug/l	97
39) Methylcyclohexane	9.600	83	154743	49.969	ug/l	99
40) Benzene	8.606	78	452351	46.273	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	77176	51.964	ug/l		99
42) 1,2-Dichloroethane	8.671	62	149173	47.118	ug/l		99
43) Isopropyl Acetate	8.688	43	232558	45.492	ug/l		98
44) Trichloroethene	9.347	130	100849	44.732	ug/l		99
45) 1,2-Dichloropropane	9.618	63	108229	47.196	ug/l		96
46) Dibromomethane	9.706	93	74292	45.911	ug/l		96
47) Bromodichloromethane	9.888	83	158814	46.560	ug/l	#	99
48) Methyl methacrylate	9.676	41	109745	51.057	ug/l		97
49) 1,4-Dioxane	9.694	88	40527	1063.992	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.447	43	665397	252.729	ug/l		98
52) Toluene	10.629	92	277957	48.616	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	162100	45.911	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	175008	46.832	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	102553	47.618	ug/l		97
56) Ethyl methacrylate	10.871	69	164370	52.764	ug/l		98
57) 1,3-Dichloropropane	11.165	76	176546	47.765	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	408174	280.013	ug/l		98
59) 2-Hexanone	11.194	43	489776	255.570	ug/l		99
60) Dibromochloromethane	11.359	129	120465	49.079	ug/l		99
61) 1,2-Dibromoethane	11.465	107	102316	46.393	ug/l		100
64) Tetrachloroethene	11.100	164	88124	45.436	ug/l		98
65) Chlorobenzene	11.888	112	292713	44.872	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	105108	46.323	ug/l		99
67) Ethyl Benzene	11.965	91	526140	48.319	ug/l		99
68) m/p-Xylenes	12.070	106	408029	98.979	ug/l		99
69) o-Xylene	12.400	106	194895	50.538	ug/l		99
70) Styrene	12.412	104	333668	49.600	ug/l		98
71) Bromoform	12.576	173	78822	46.166	ug/l	#	98
73) Isopropylbenzene	12.694	105	491033	49.063	ug/l		100
74) N-amyl acetate	12.494	43	209049	49.076	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	147181	44.058	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	192674	67.490	ug/l		63
77) Bromobenzene	12.976	156	119728	44.500	ug/l		97
78) n-propylbenzene	13.035	91	576495	49.156	ug/l		98
79) 2-Chlorotoluene	13.123	91	367294	47.930	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	420675	50.714	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	54512	45.300	ug/l		99
82) 4-Chlorotoluene	13.223	91	361596	44.837	ug/l		98
83) tert-Butylbenzene	13.435	119	361800	52.701	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	428517	50.053	ug/l		100
85) sec-Butylbenzene	13.617	105	483212	49.829	ug/l		100
86) p-Isopropyltoluene	13.729	119	410129	51.568	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	219757	41.852	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	221608	45.904	ug/l		99
89) n-Butylbenzene	14.053	91	341775	45.941	ug/l		100
90) Hexachloroethane	14.329	117	77324	43.597	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	220824	43.765	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	30895	45.651	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	111270	40.290	ug/l		98
94) Hexachlorobutadiene	15.500	225	47959	39.544	ug/l		97
95) Naphthalene	15.641	128	375360	45.408	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	108830	40.595	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

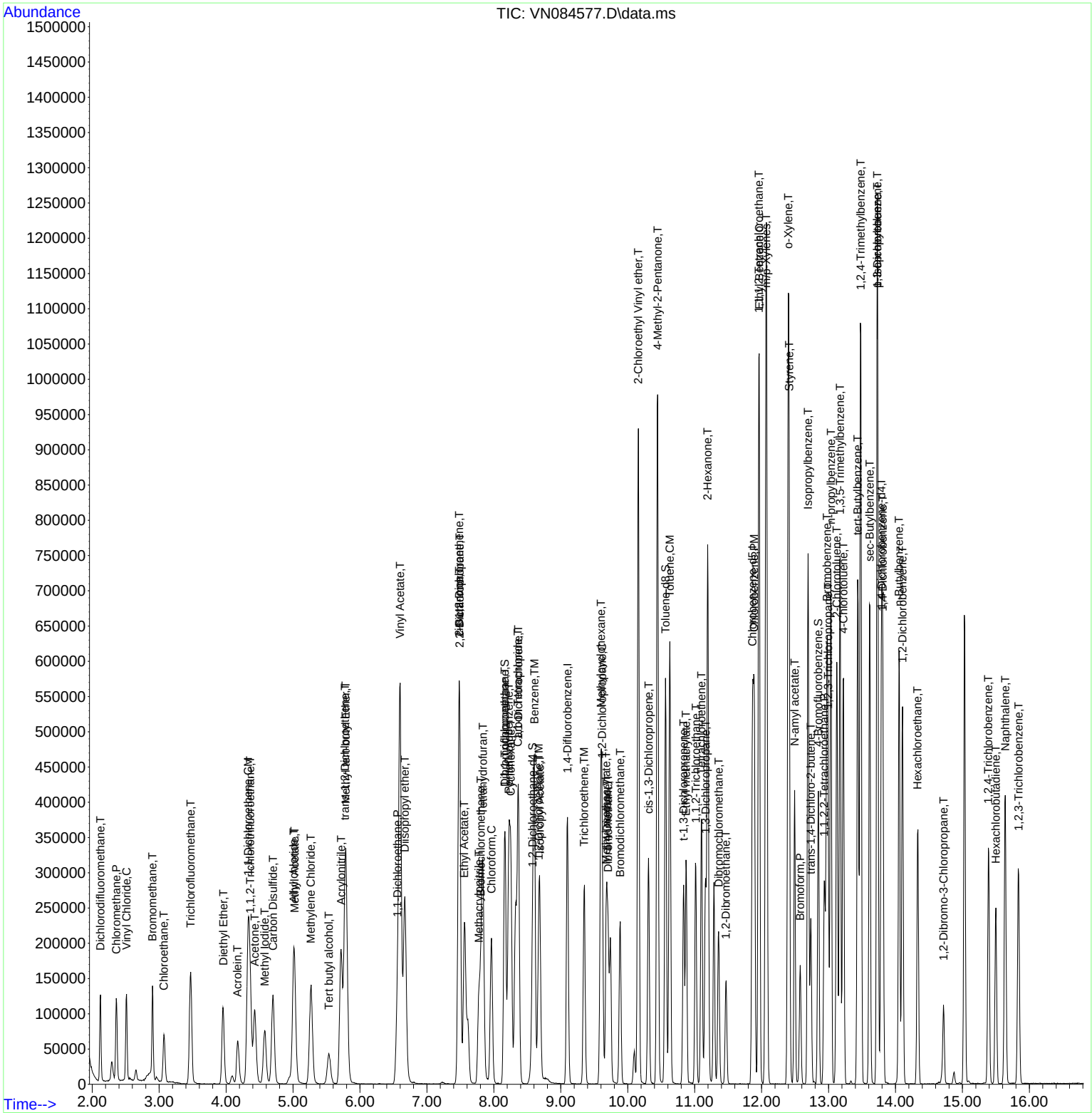
(#) = qualifier out of range (m) = manual integration (+) = signals summed

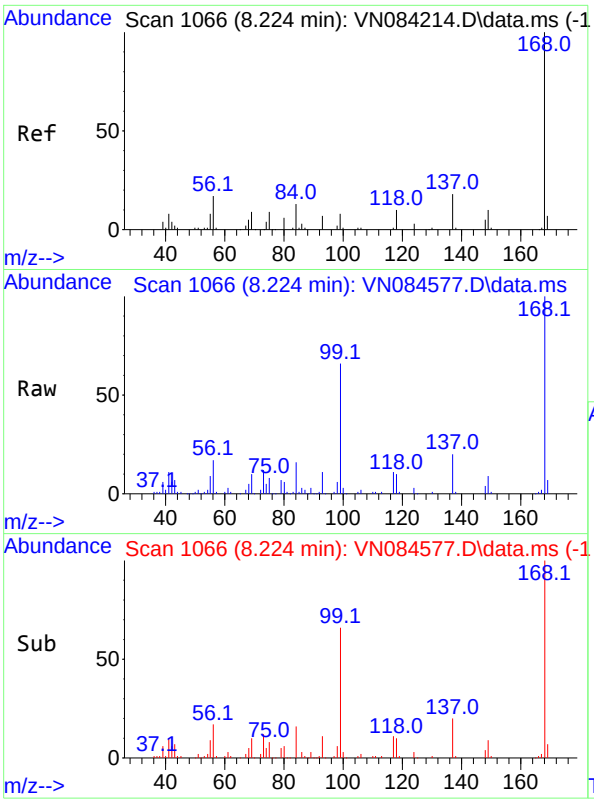
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration



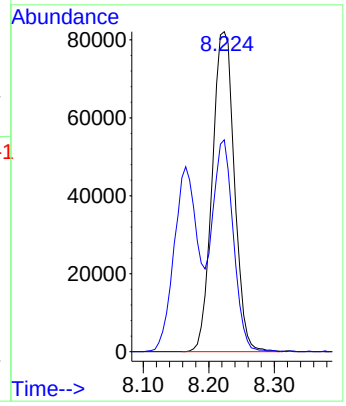


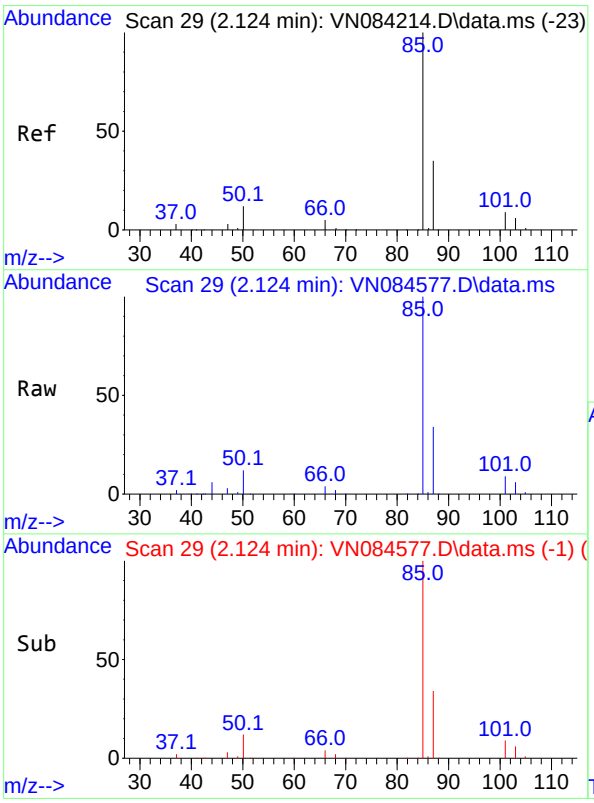
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:168 Resp: 192202

Ion	Ratio	Lower	Upper
168	100		
99	66.0	54.2	81.2

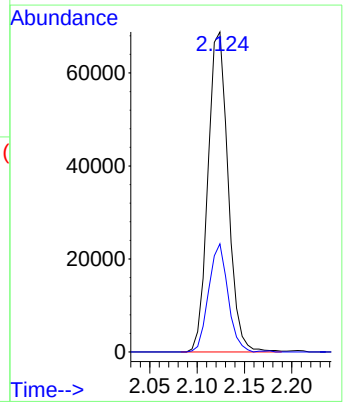


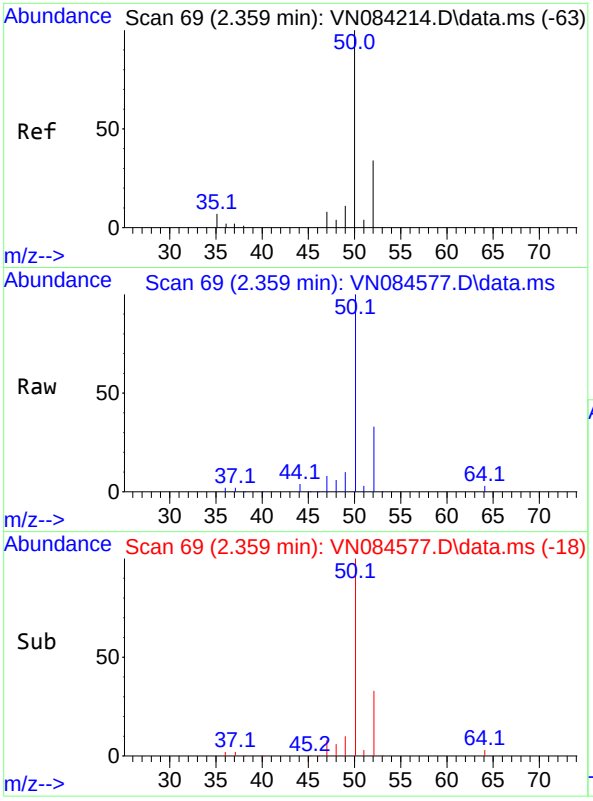


#2
Dichlorodifluoromethane
Concen: 45.985 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 85 Resp: 101605

Ion	Ratio	Lower	Upper
85	100		
87	33.8	17.6	52.9



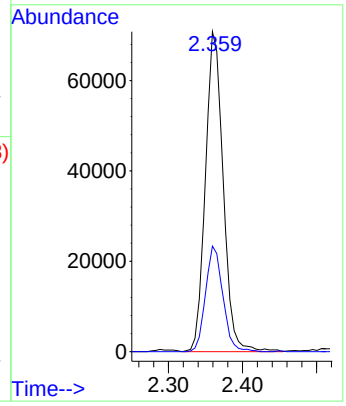


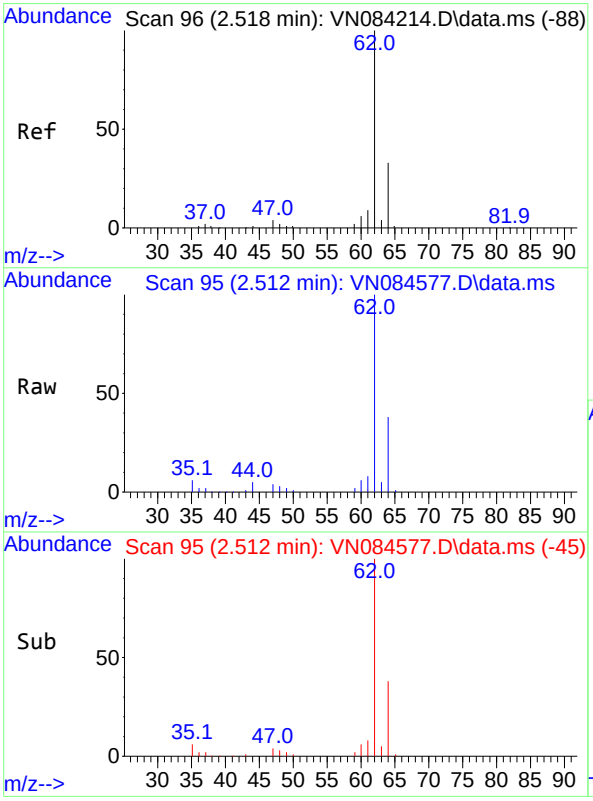
#3
Chloromethane
Concen: 45.299 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 50 Resp: 118060

Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.8	40.2

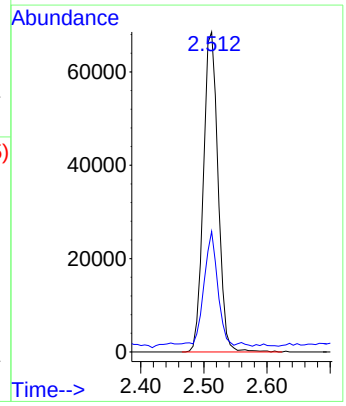


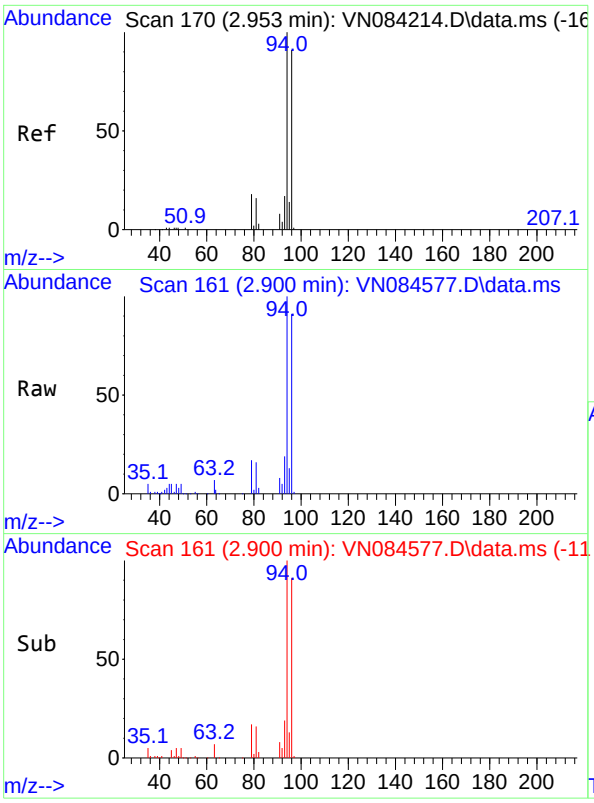


#4
Vinyl Chloride
Concen: 46.430 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 62 Resp: 110340

Ion	Ratio	Lower	Upper
62	100		
64	35.6	26.2	39.4



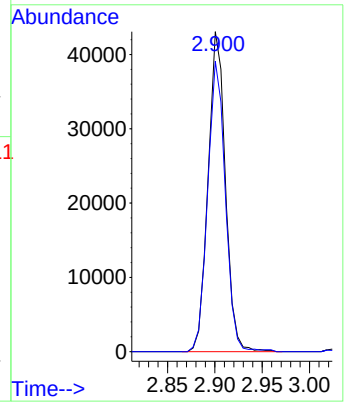


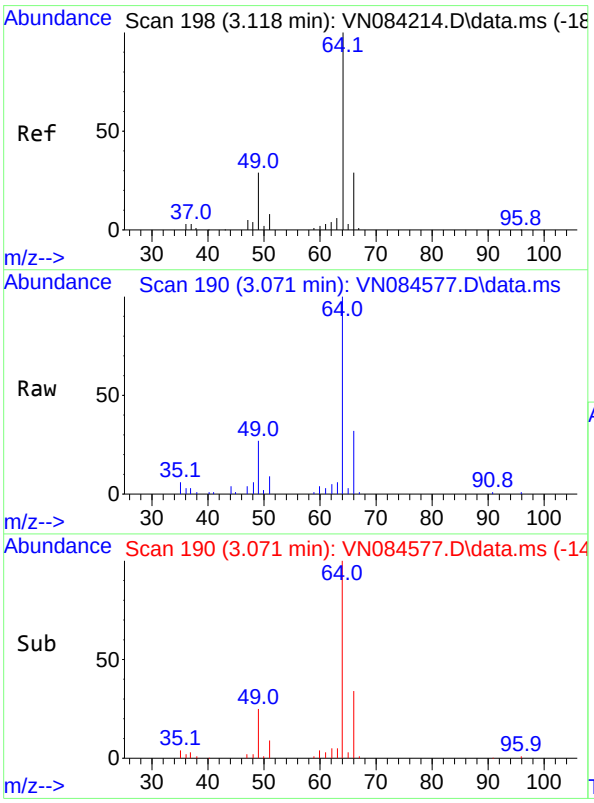
#5
Bromomethane
Concen: 43.494 ug/l
RT: 2.900 min Scan# 1
Delta R.T. -0.053 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 94 Resp: 54764

Ion	Ratio	Lower	Upper
94	100		
96	90.7	72.9	109.3

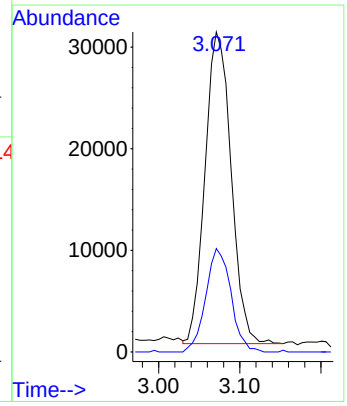


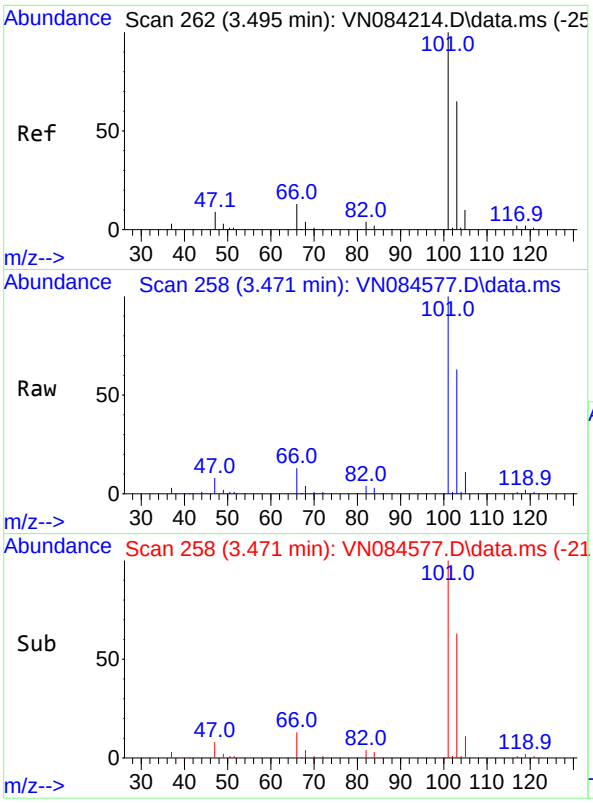


#6
Chloroethane
Concen: 46.348 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.047 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 64 Resp: 68330

Ion	Ratio	Lower	Upper
64	100		
66	33.2	23.5	35.3



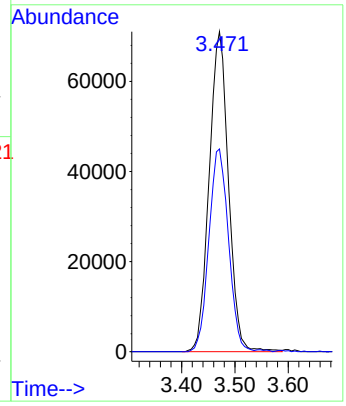


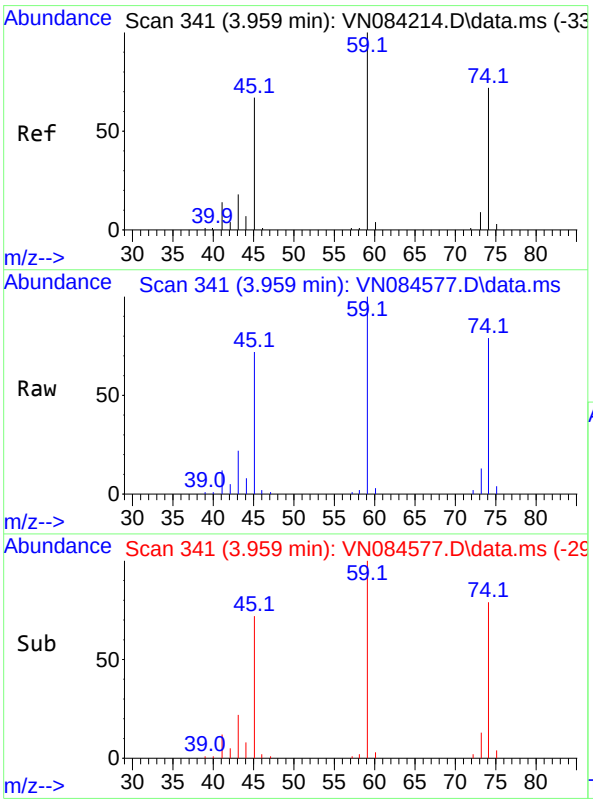
#7
Trichlorofluoromethane
Concen: 45.644 ug/l
RT: 3.471 min Scan# 2
Delta R.T. -0.024 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:101 Resp: 178683

Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.8	77.6

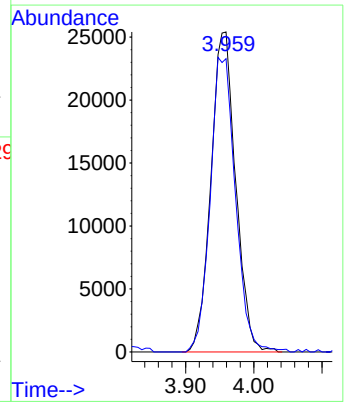


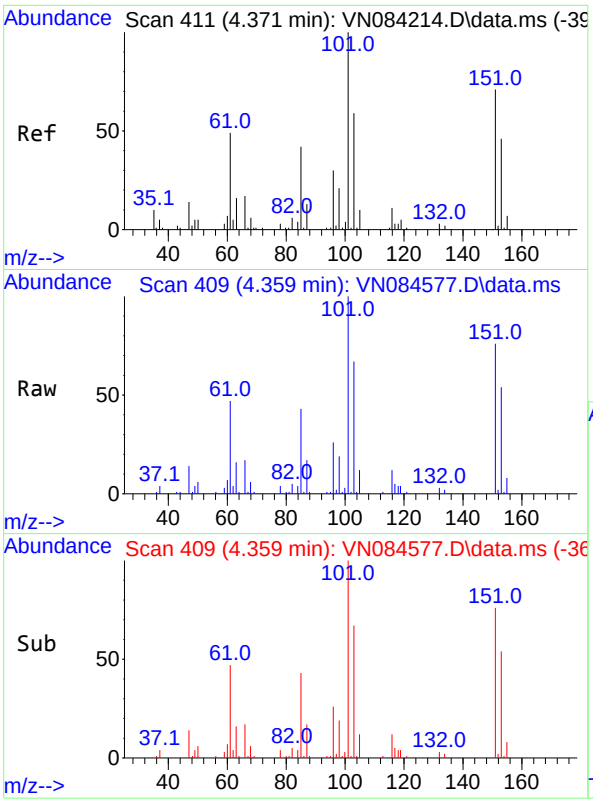


#8
Diethyl Ether
Concen: 46.640 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 74 Resp: 64407

Ion	Ratio	Lower	Upper
74	100		
45	93.7	47.7	143.1



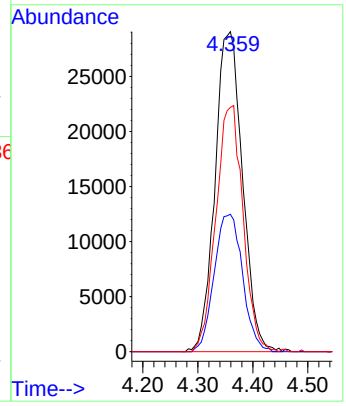


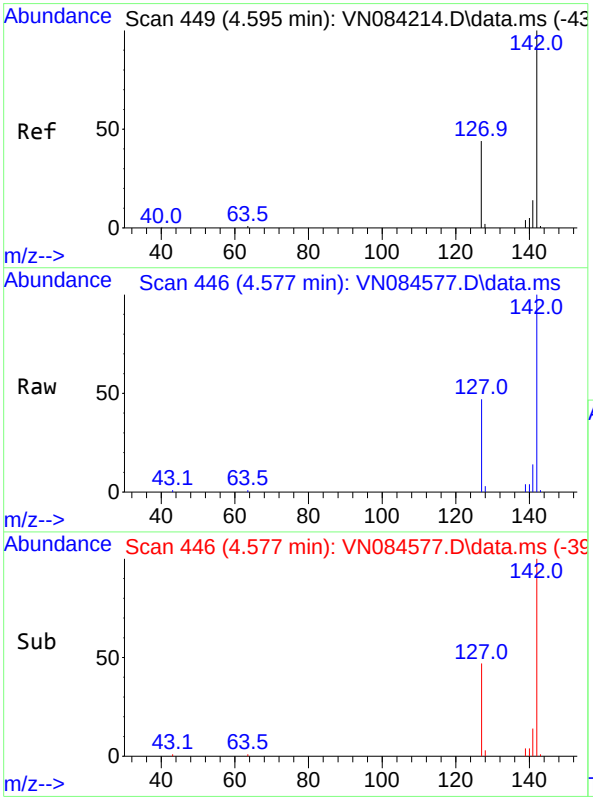
#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.702 ug/l
RT: 4.359 min Scan# 4(
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:101 Resp: 101094

Ion	Ratio	Lower	Upper
101	100		
85	44.2	36.2	54.4
151	75.7	59.3	88.9

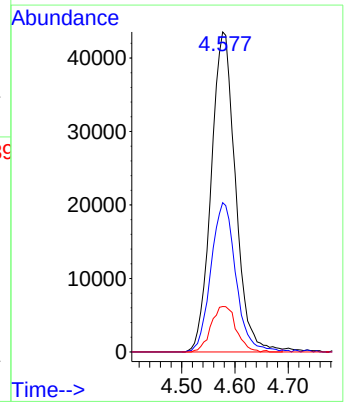


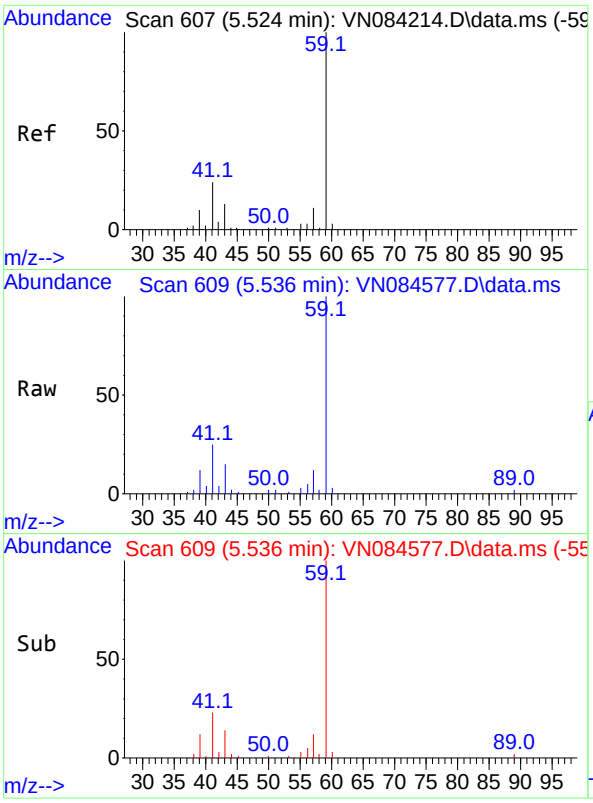


#10
Methyl Iodide
Concen: 46.542 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:142 Resp: 137594

Ion	Ratio	Lower	Upper
142	100		
127	46.6	35.3	52.9
141	14.2	11.0	16.6



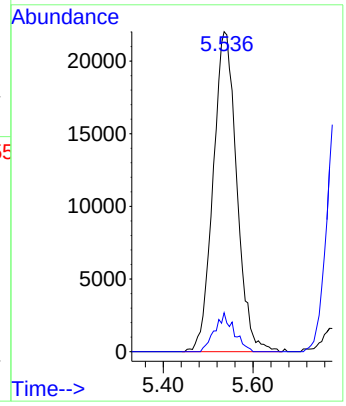


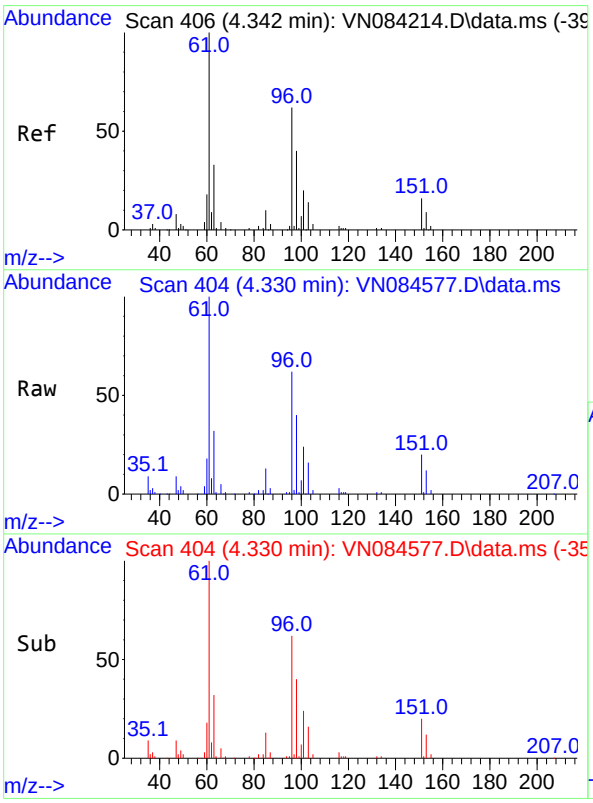
#11
Tert butyl alcohol
Concen: 219.840 ug/l
RT: 5.536 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 59 Resp: 80556

Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.2

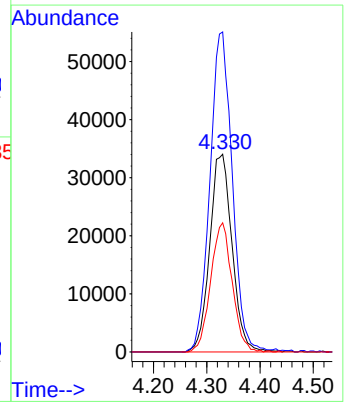


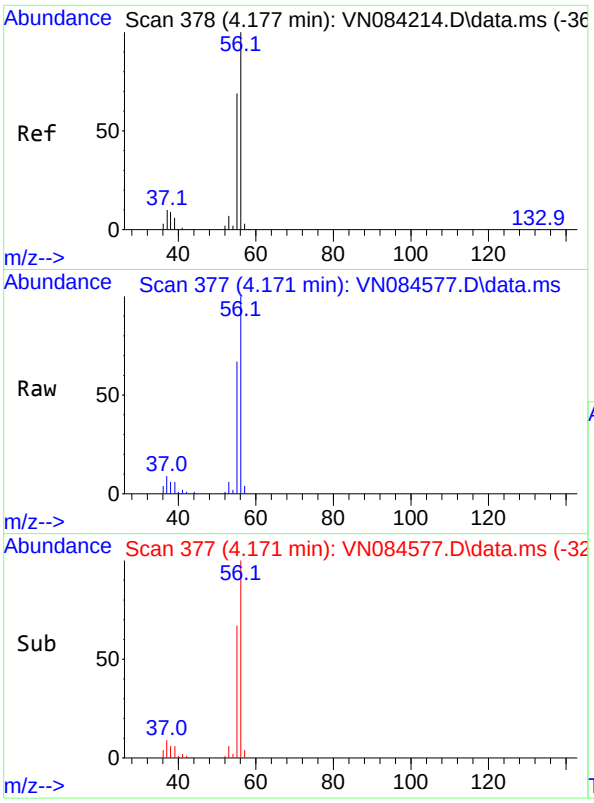


#12
1,1-Dichloroethene
Concen: 45.338 ug/l
RT: 4.330 min Scan# 404
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 96 Resp: 99235

Ion	Ratio	Lower	Upper
96	100		
61	161.8	128.6	192.8
98	65.3	51.7	77.5



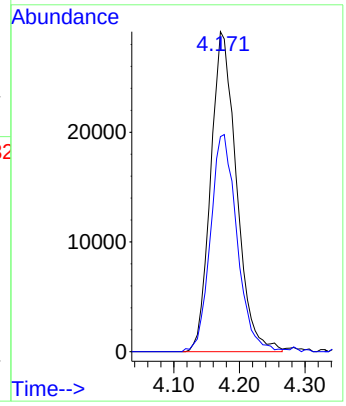


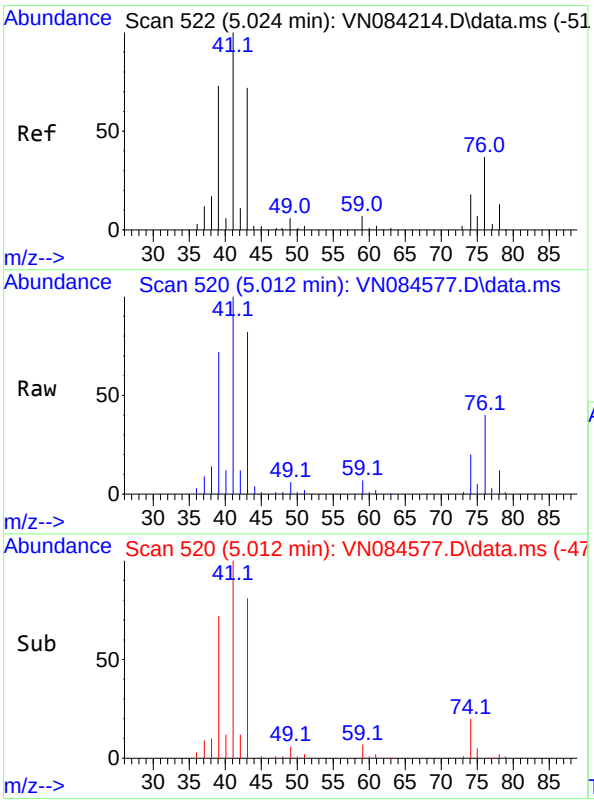
#13
Acrolein
Concen: 218.362 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 56 Resp: 79788

Ion	Ratio	Lower	Upper
56	100		
55	69.8	57.2	85.8

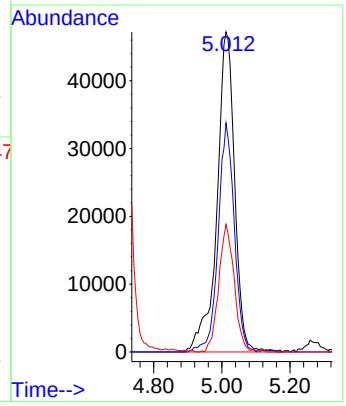


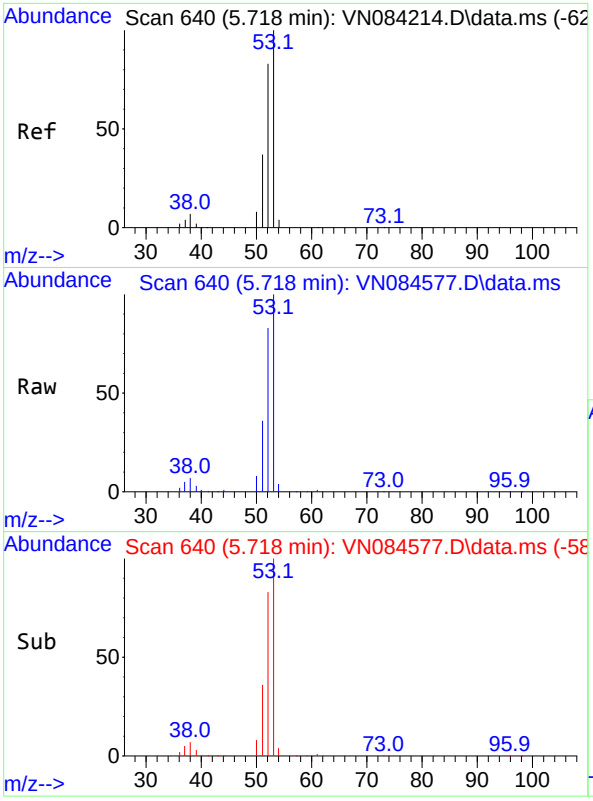


#14
Allyl chloride
Concen: 47.975 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 41 Resp: 170293

Ion	Ratio	Lower	Upper
41	100		
39	65.0	59.0	88.6
76	34.8	29.8	44.6



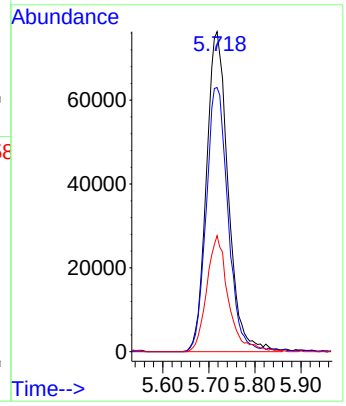


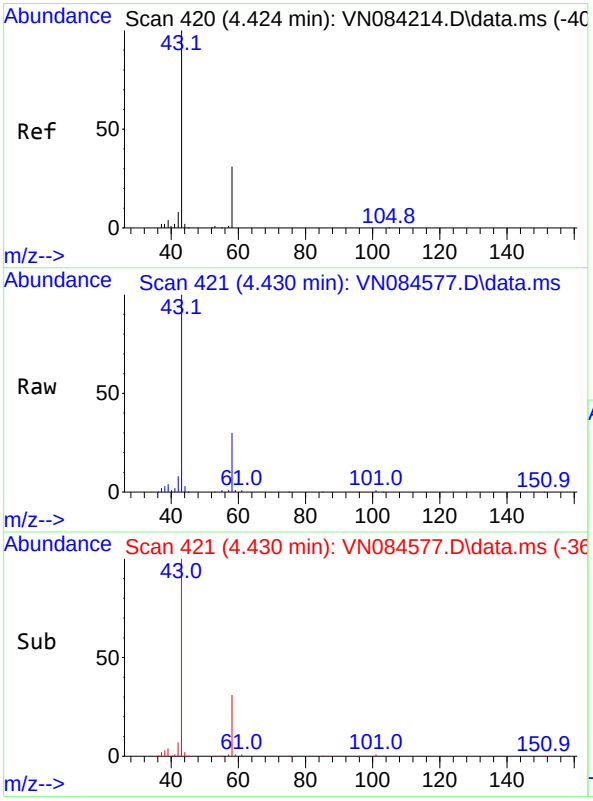
#15
Acrylonitrile
Concen: 236.747 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 53 Resp: 251141

Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.2	99.4
51	35.9	28.8	43.2

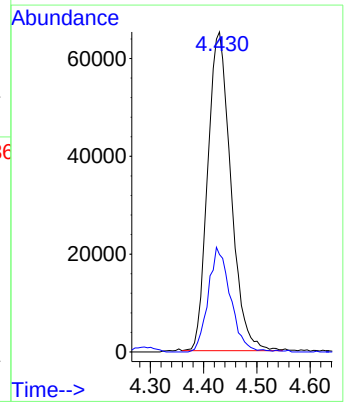


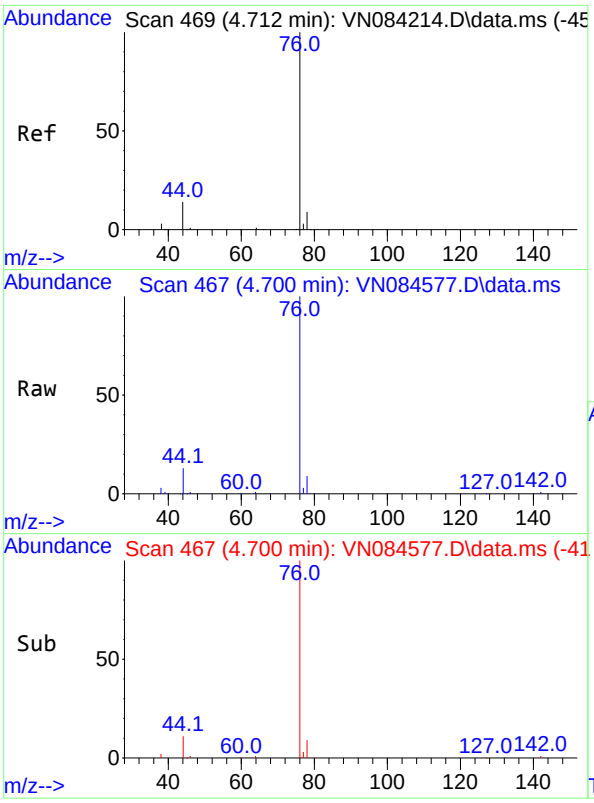


#16
Acetone
Concen: 244.445 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 43 Resp: 196070

Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.4	36.6



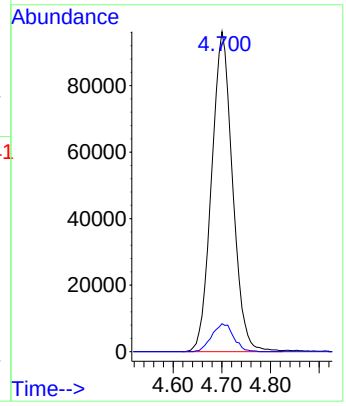


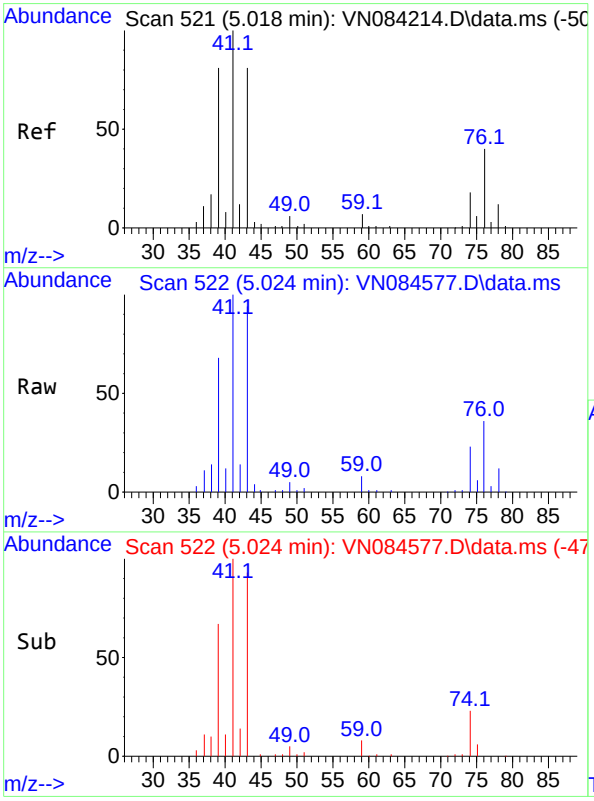
#17
Carbon Disulfide
Concen: 42.682 ug/l
RT: 4.700 min Scan# 4
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 76 Resp: 287697

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.3	10.9

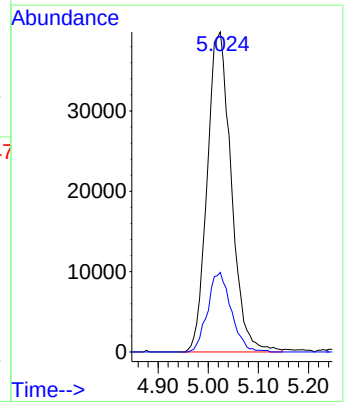


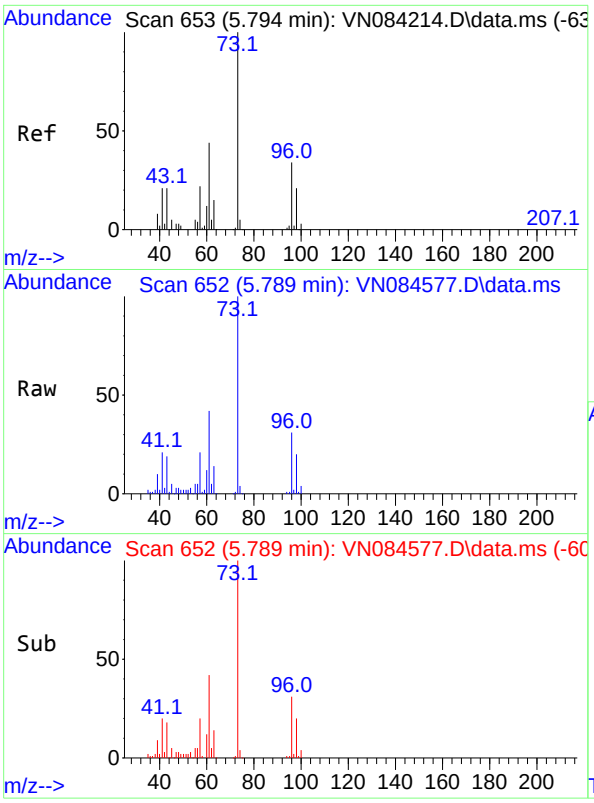


#18
Methyl Acetate
Concen: 44.944 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 43 Resp: 132834

Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.2	28.8



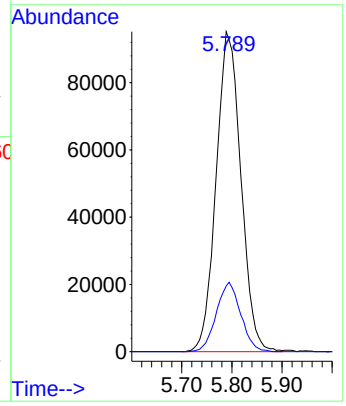


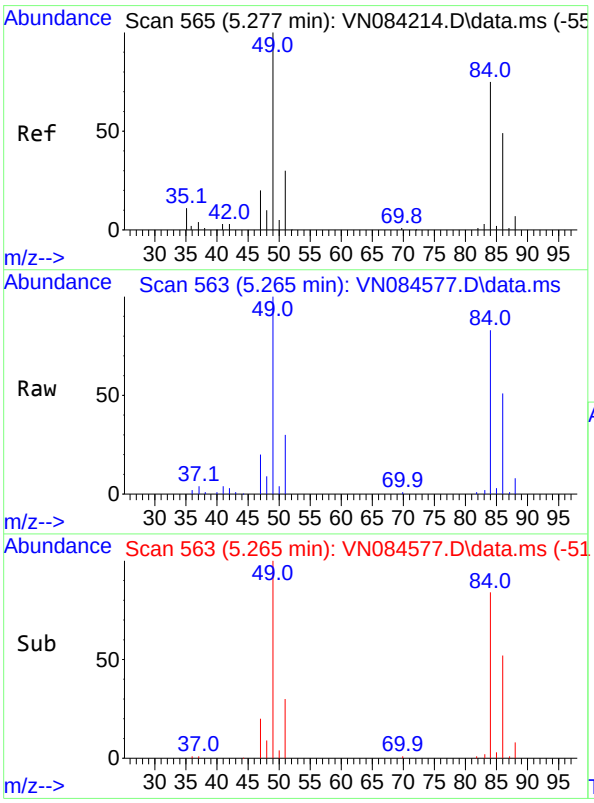
#19
Methyl tert-butyl Ether
Concen: 48.603 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 73 Resp: 326067

Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.7	26.5

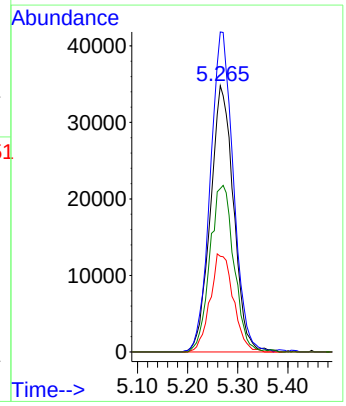


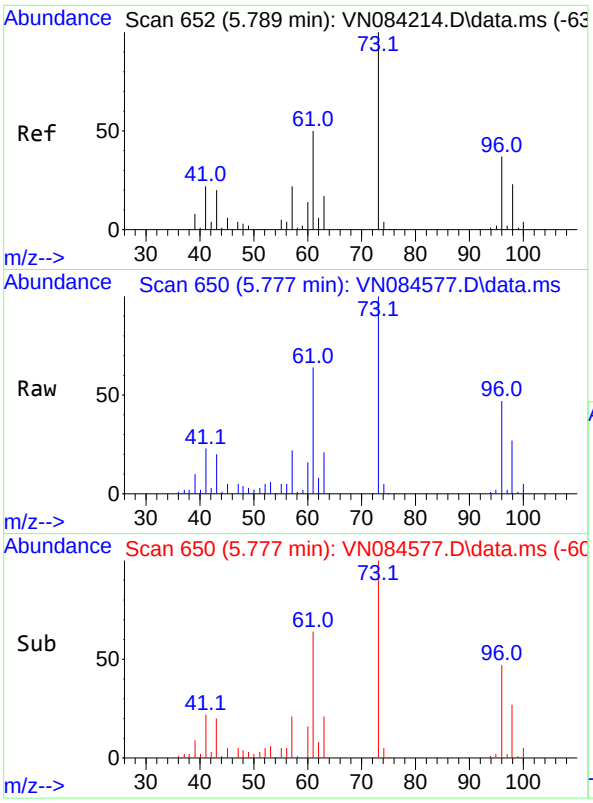


#20
Methylene Chloride
Concen: 45.716 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 84 Resp: 111618

Ion	Ratio	Lower	Upper
84	100		
49	120.2	107.2	160.8
51	36.0	31.8	47.8
86	61.4	52.9	79.3



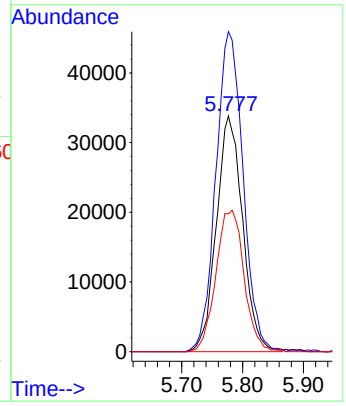


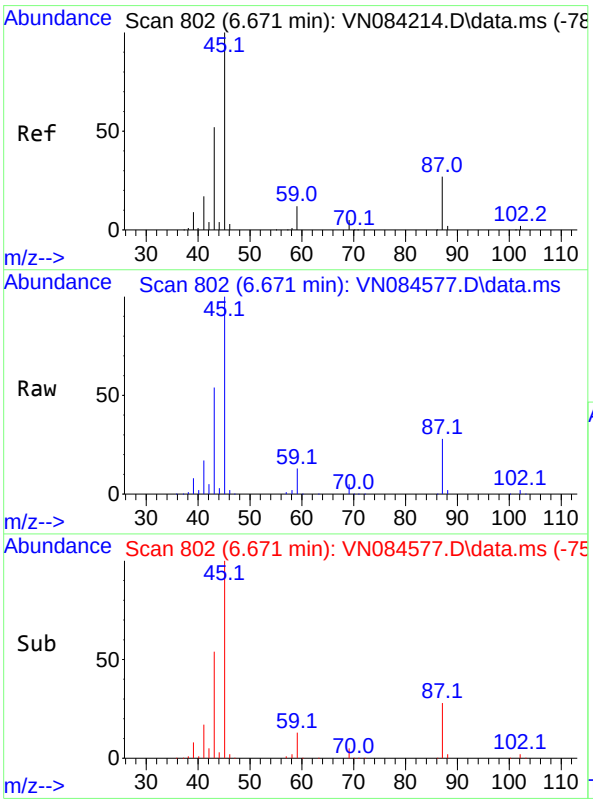
#21
trans-1,2-Dichloroethene
Concen: 45.019 ug/l
RT: 5.777 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 96 Resp: 101181

Ion	Ratio	Lower	Upper
96	100		
61	135.8	108.4	162.6
98	58.5	49.8	74.8

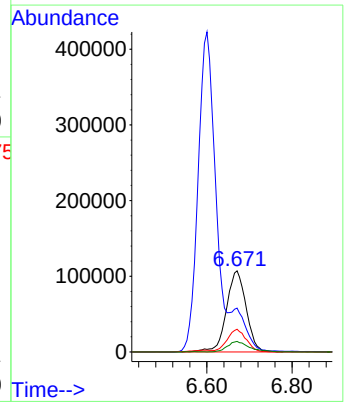


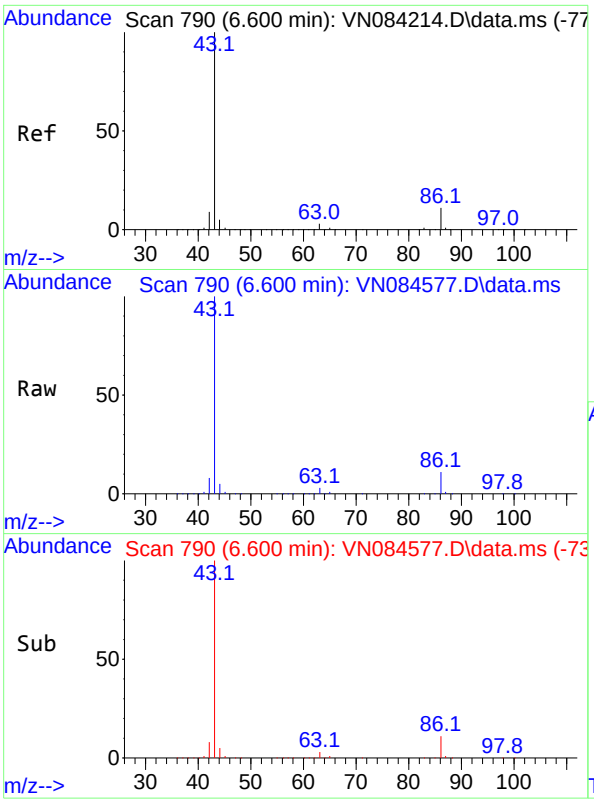


#22
Diisopropyl ether
Concen: 48.739 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 45 Resp: 343763

Ion	Ratio	Lower	Upper
45	100		
43	52.9	42.3	63.5
87	28.1	21.8	32.6
59	13.1	9.6	14.4



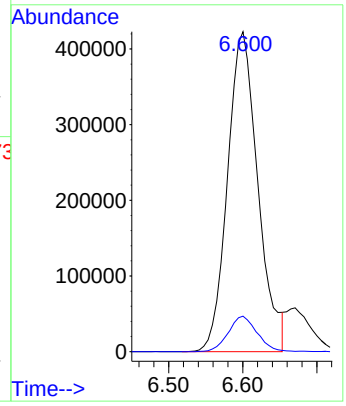


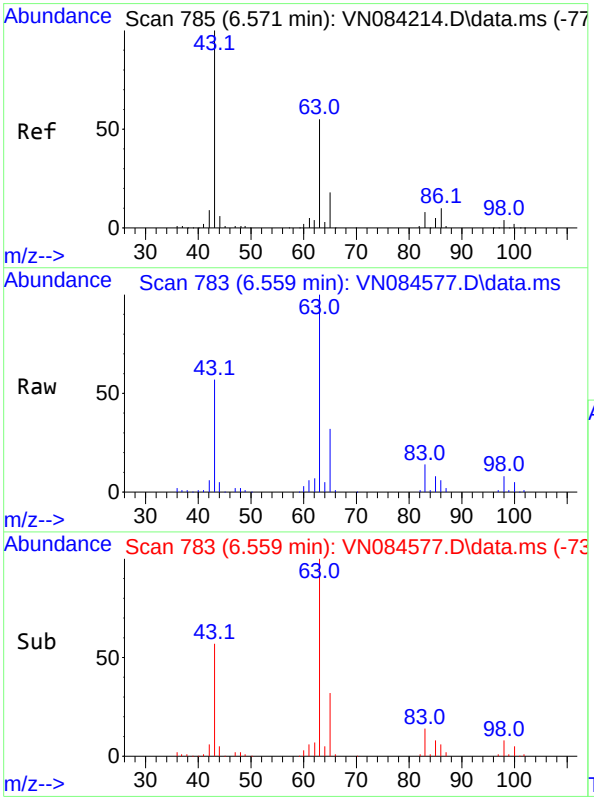
#23
Vinyl Acetate
Concen: 247.614 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 43 Resp: 1204384

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.6	12.8

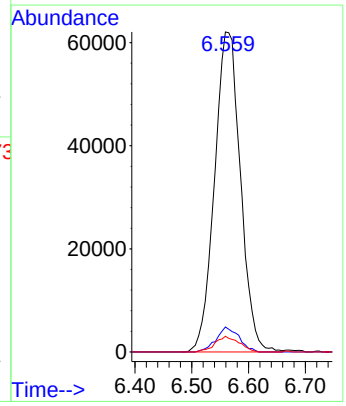


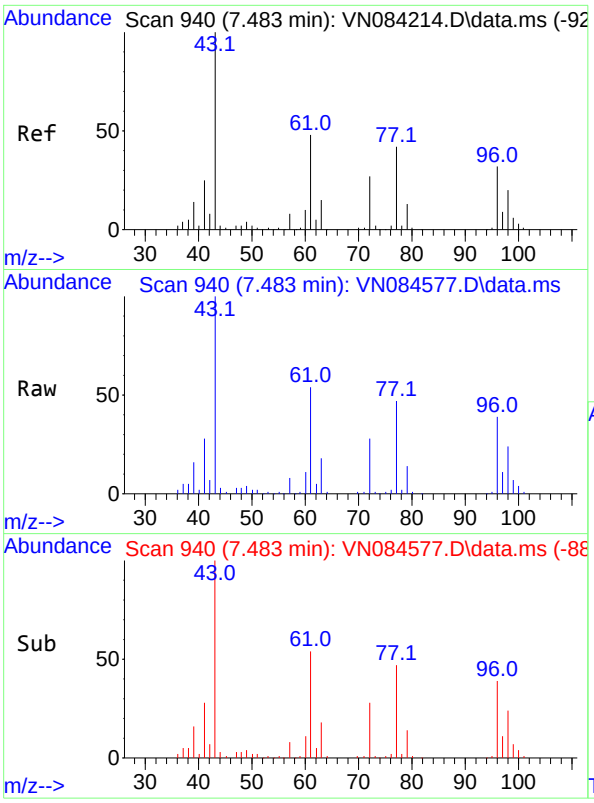


#24
1,1-Dichloroethane
Concen: 46.408 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 63 Resp: 196518

Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.4	10.2
100	4.9	2.0	5.8



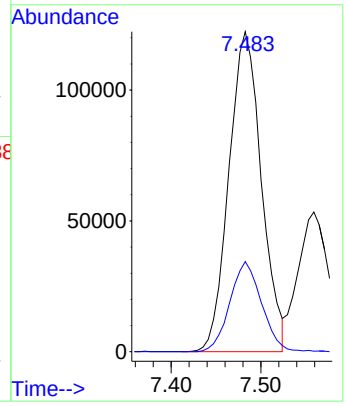


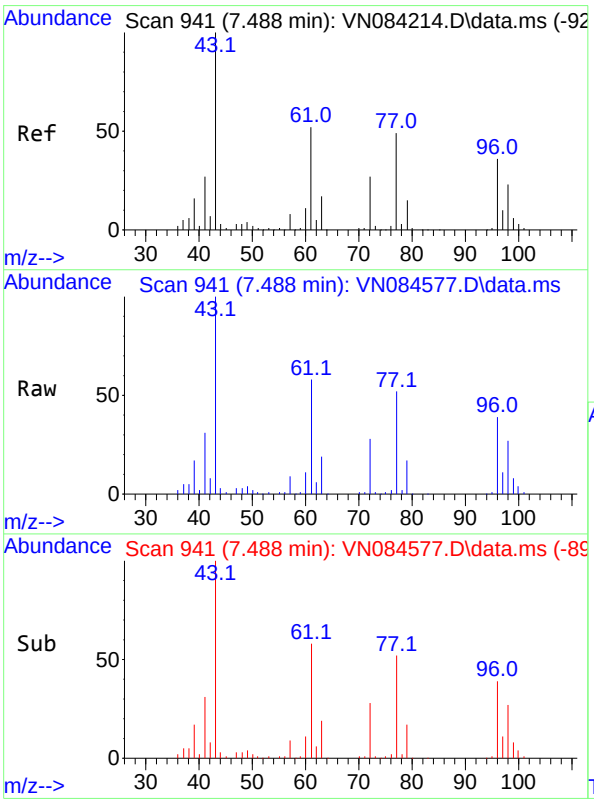
#25
2-Butanone
Concen: 237.635 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 43 Resp: 307765

Ion	Ratio	Lower	Upper
43	100		
72	28.2	21.4	32.2

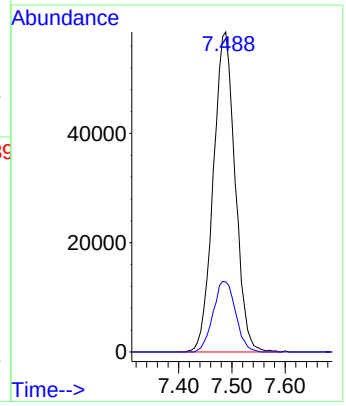


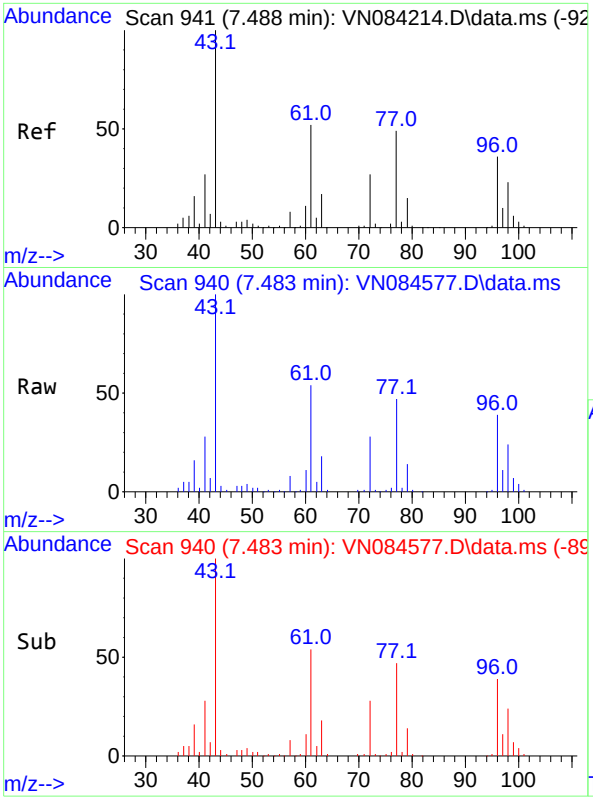


#26
2,2-Dichloropropane
Concen: 45.103 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 77 Resp: 166234

Ion	Ratio	Lower	Upper
77	100		
97	22.8	10.8	32.3



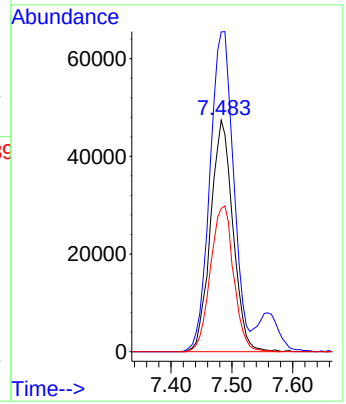


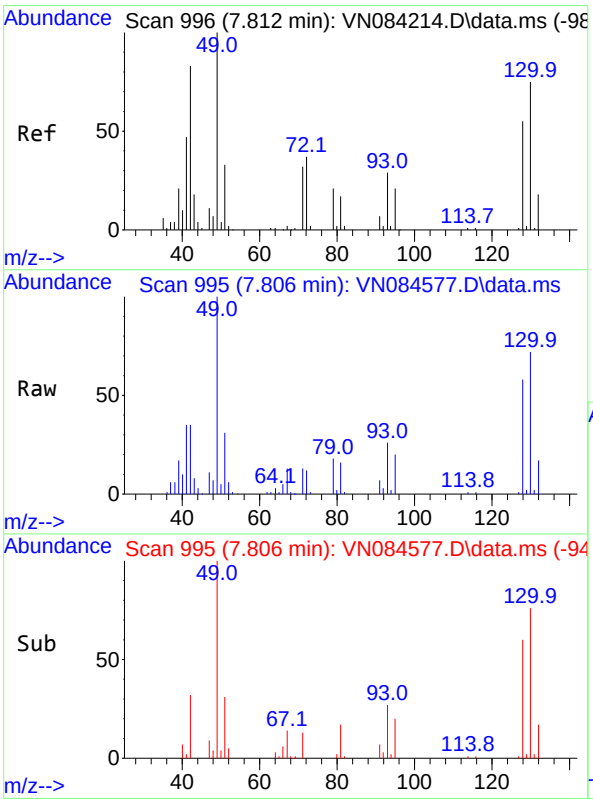
#27
cis-1,2-Dichloroethene
Concen: 46.214 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 96 Resp: 121280

Ion	Ratio	Lower	Upper
96	100		
61	145.9	0.0	301.8
98	65.2	0.0	128.2

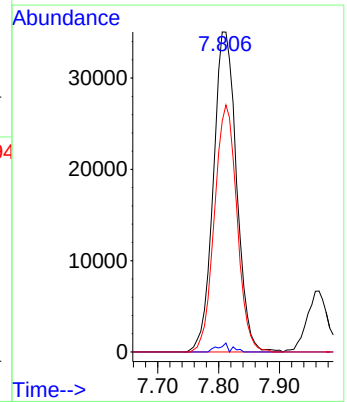


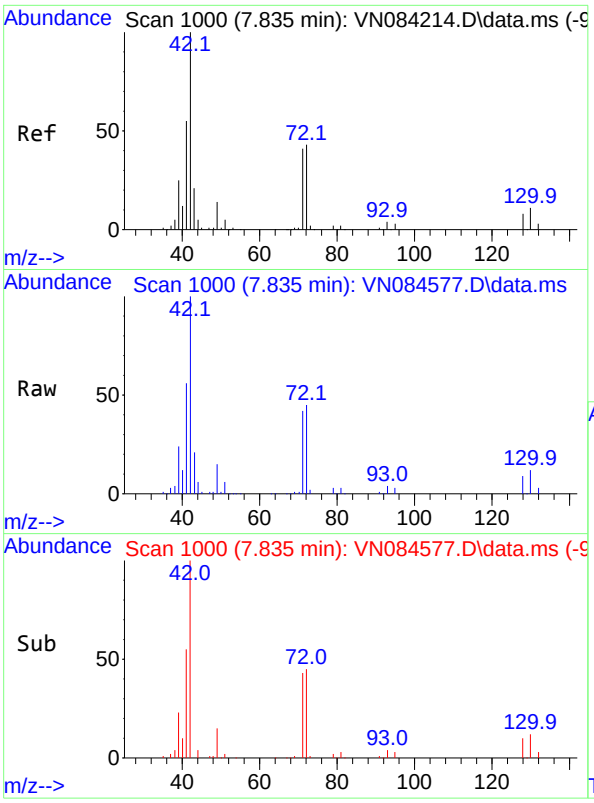


#28
Bromochloromethane
Concen: 54.971 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 49 Resp: 92741

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.6
130	75.0	58.0	87.0



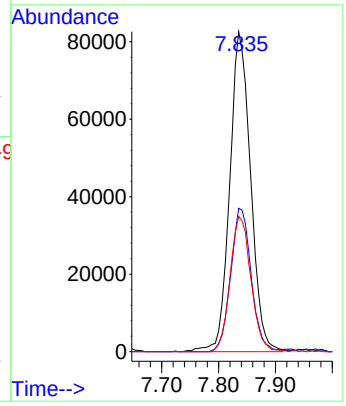


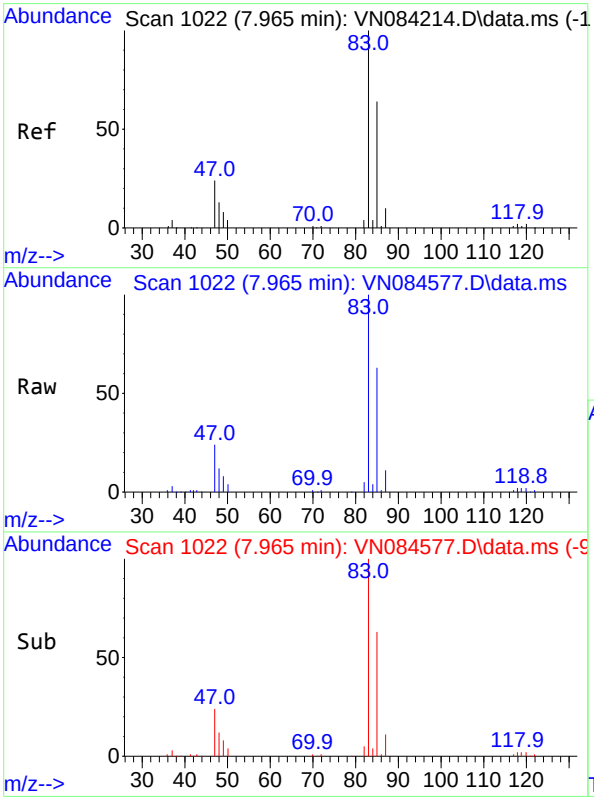
#29
Tetrahydrofuran
Concen: 245.822 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 42 Resp: 211210

Ion	Ratio	Lower	Upper
42	100		
72	44.0	34.6	51.8
71	42.1	32.2	48.4

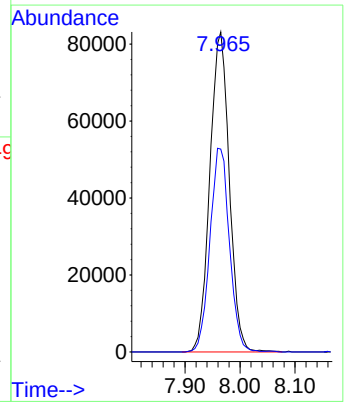


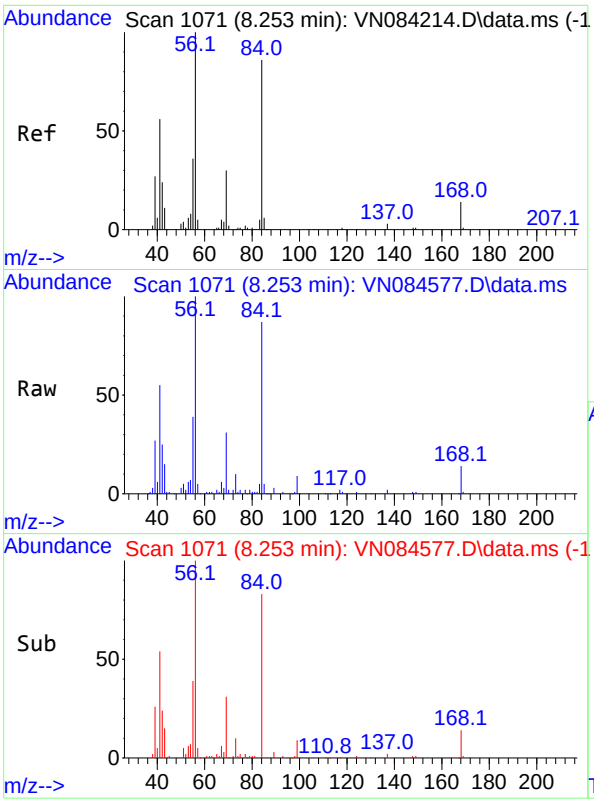


#30
Chloroform
Concen: 47.316 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 83 Resp: 203935

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.0	76.4



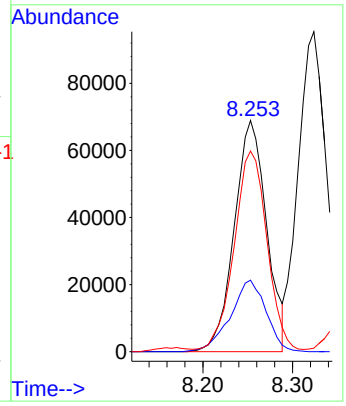


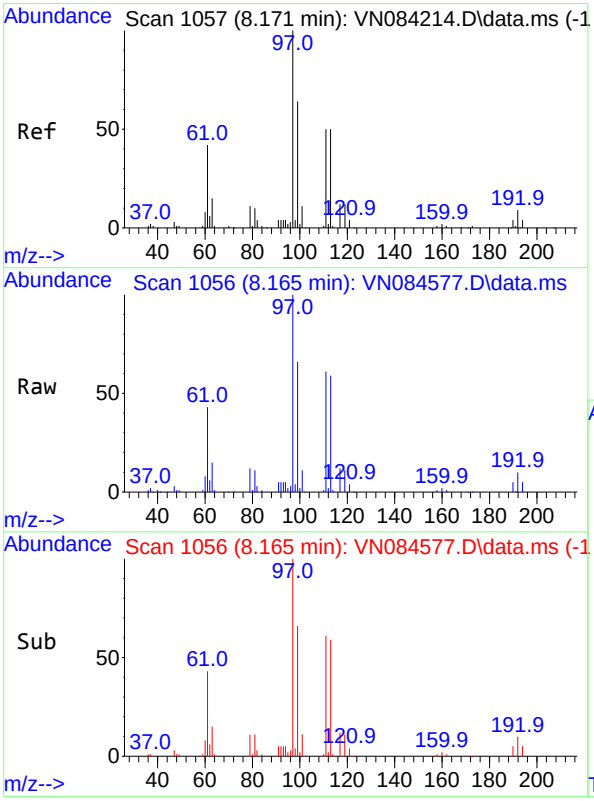
#31
Cyclohexane
Concen: 45.053 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 56 Resp: 172671

Ion	Ratio	Lower	Upper
56	100		
69	30.9	23.8	35.6
84	85.4	68.8	103.2

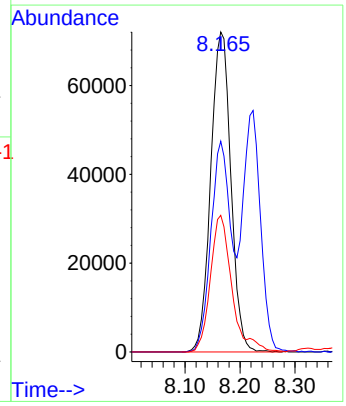


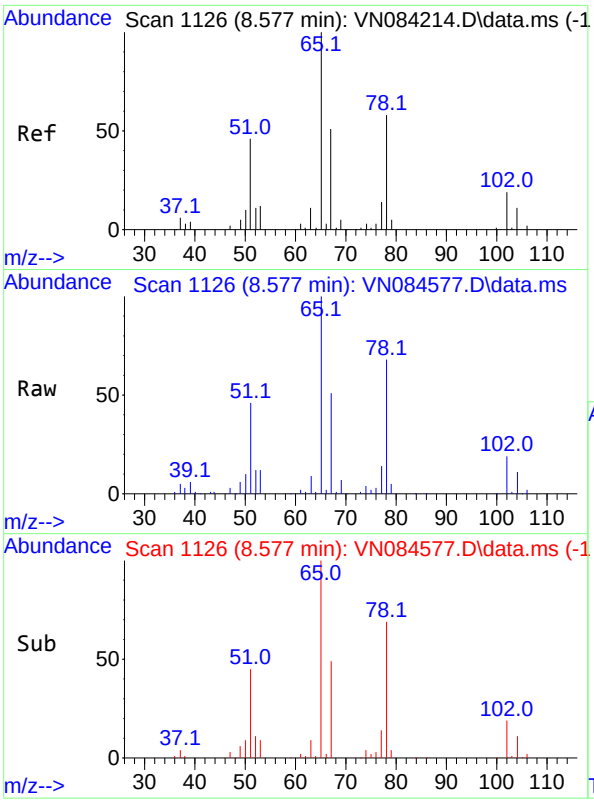


#32
1,1,1-Trichloroethane
Concen: 46.774 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 97 Resp: 183488

Ion	Ratio	Lower	Upper
97	100		
99	66.1	51.2	76.8
61	45.6	37.5	56.3



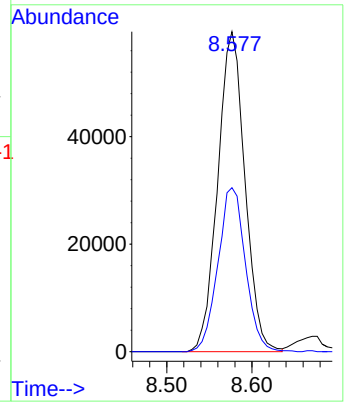


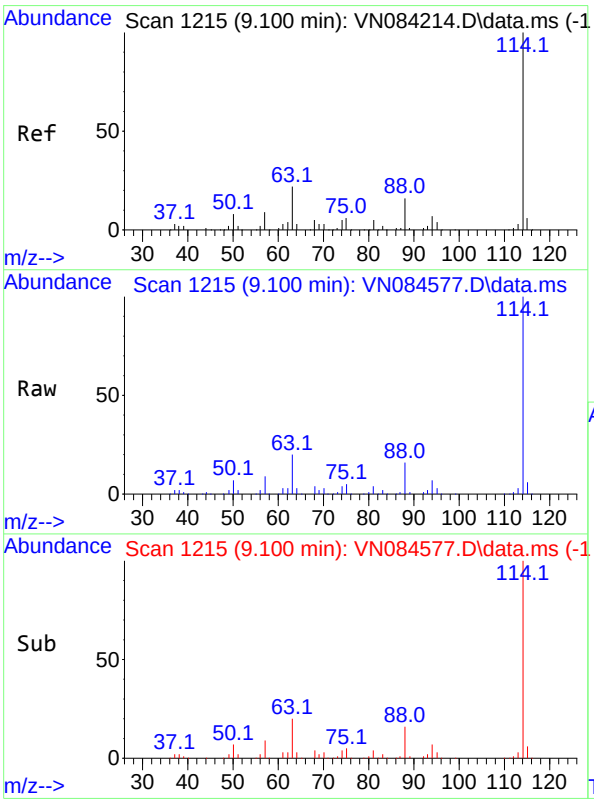
#33
1,2-Dichloroethane-d4
Concen: 47.560 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 65 Resp: 132029

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	102.0

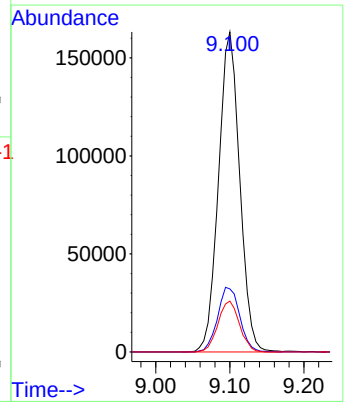


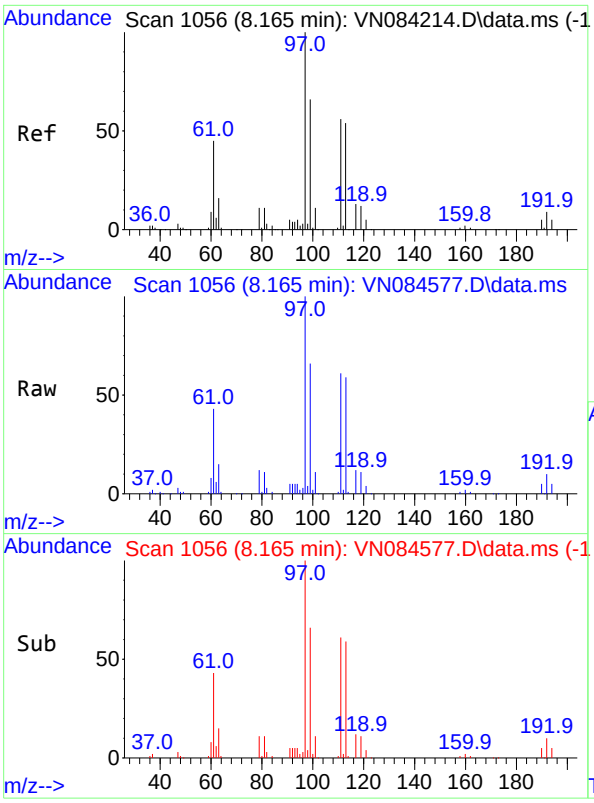


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:114 Resp: 324264

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	43.8
88	15.9	0.0	31.6



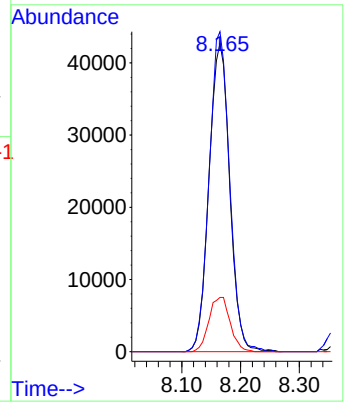


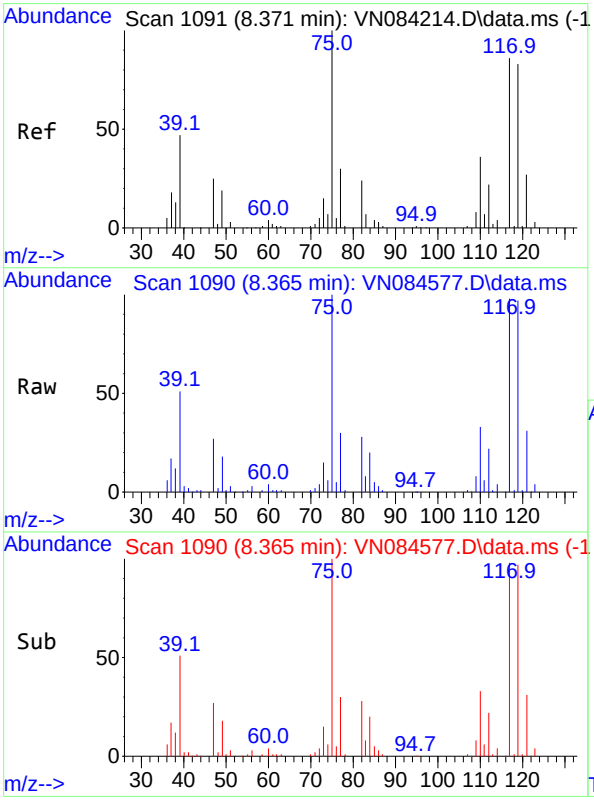
#35
Dibromofluoromethane
Concen: 47.522 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:113 Resp: 104306

Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.3	124.9
192	18.1	13.5	20.3

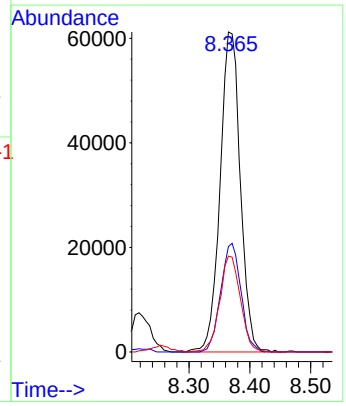


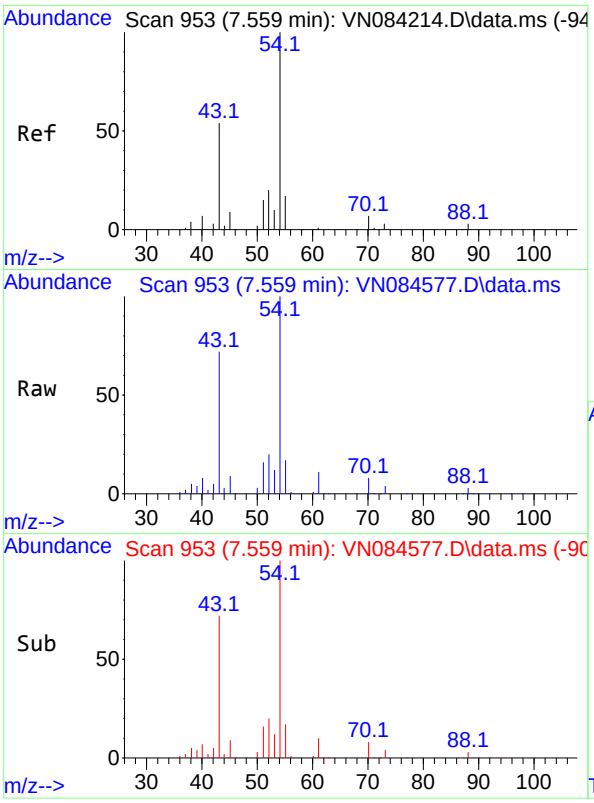


#36
1,1-Dichloropropene
Concen: 46.370 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 75 Resp: 141152

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.9	50.7
77	30.7	24.7	37.1



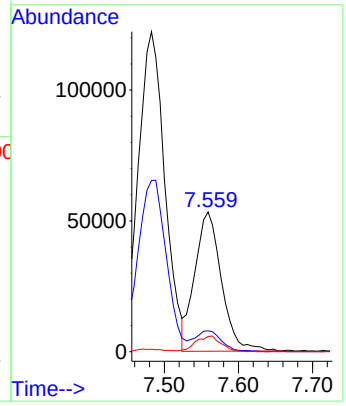


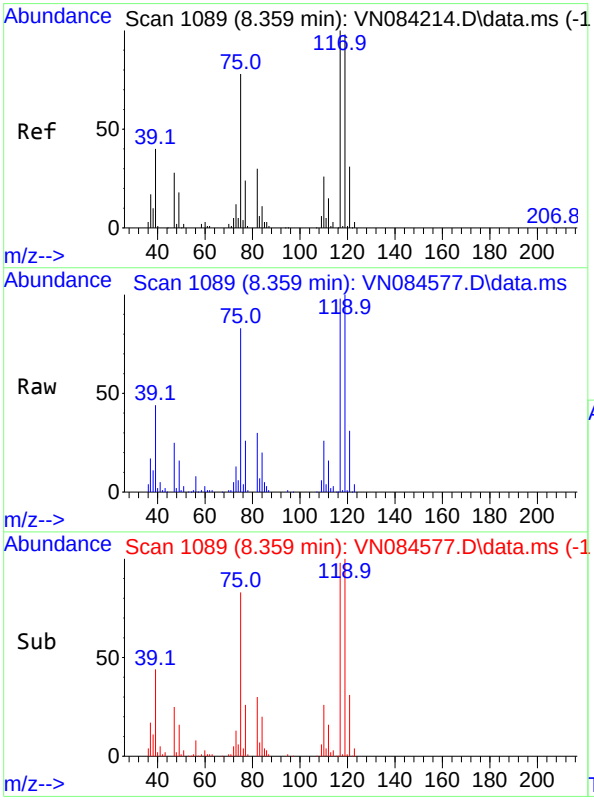
#37
Ethyl Acetate
Concen: 48.154 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 43 Resp: 132993

Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.7	16.1
70	10.8	8.8	13.2

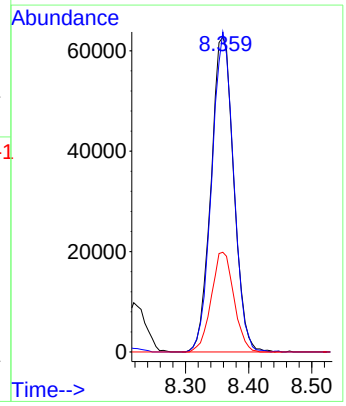


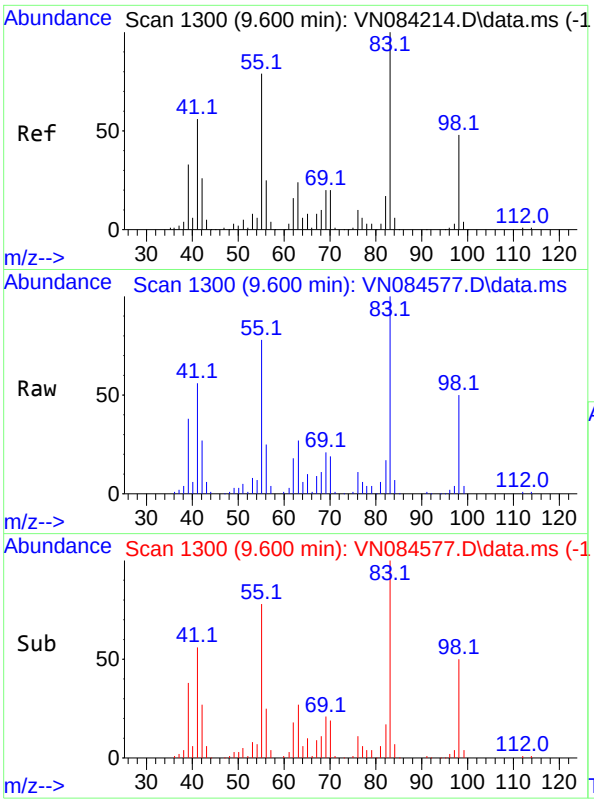


#38
Carbon Tetrachloride
Concen: 46.145 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:117 Resp: 157005

Ion	Ratio	Lower	Upper
117	100		
119	101.6	78.7	118.1
121	31.7	24.4	36.6



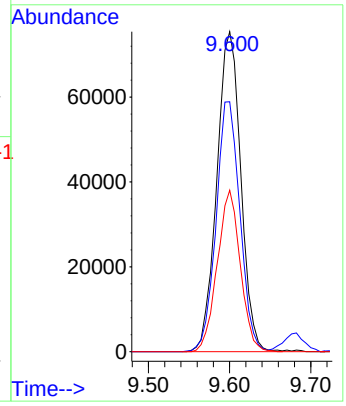


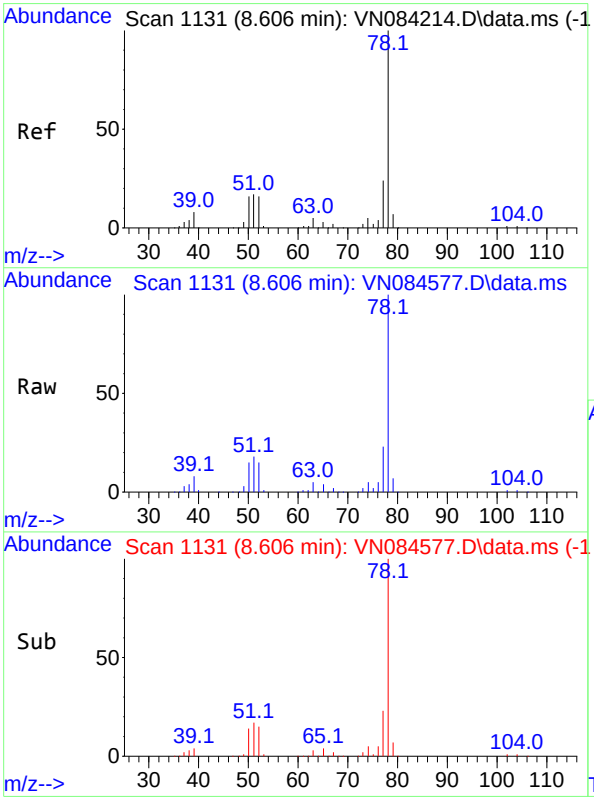
#39
Methylcyclohexane
Concen: 49.969 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 83 Resp: 154743

Ion	Ratio	Lower	Upper
83	100		
55	78.1	62.8	94.2
98	50.4	38.8	58.2

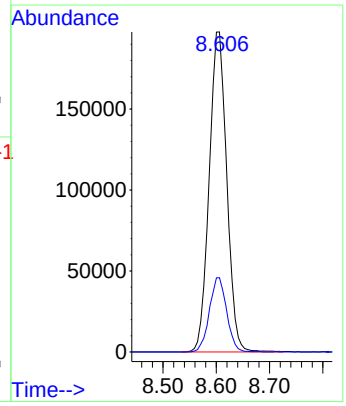


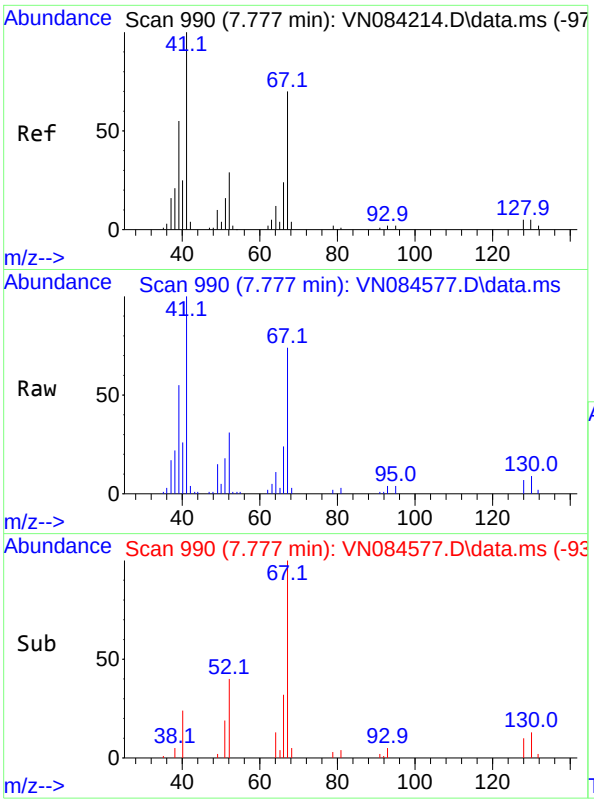


#40
Benzene
Concen: 46.273 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 78 Resp: 452351

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.1	28.7



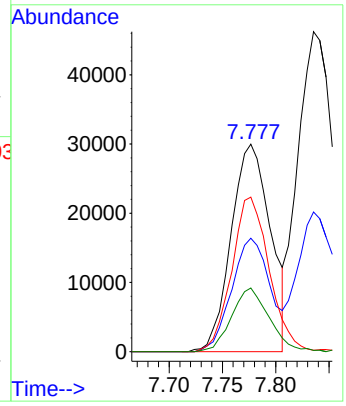


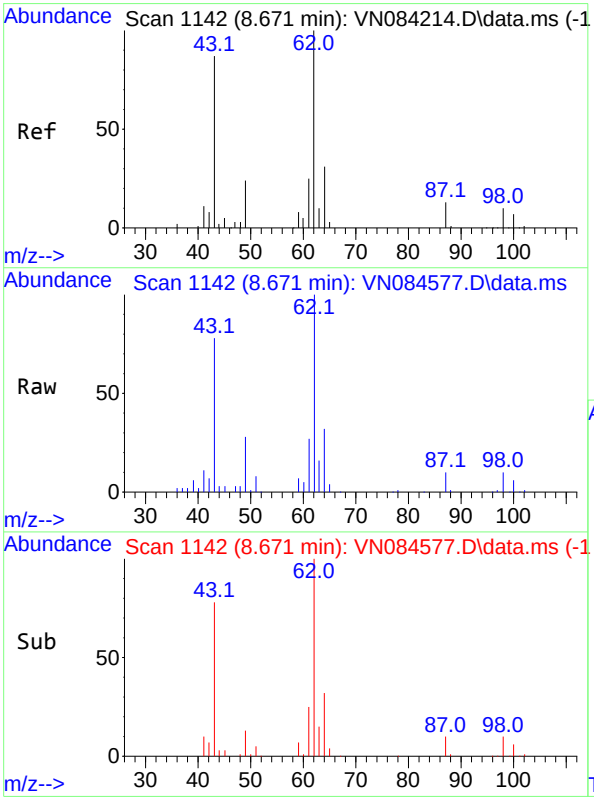
#41
Methacrylonitrile
Concen: 51.964 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 41 Resp: 77176

Ion	Ratio	Lower	Upper
41	100		
39	53.3	43.3	64.9
67	71.3	56.1	84.1
52	29.5	24.5	36.7

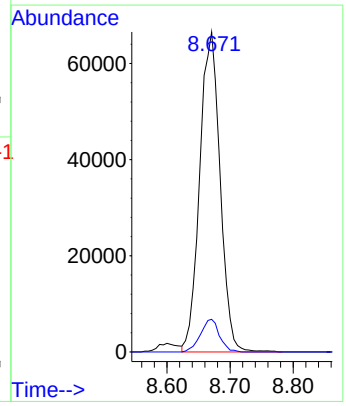


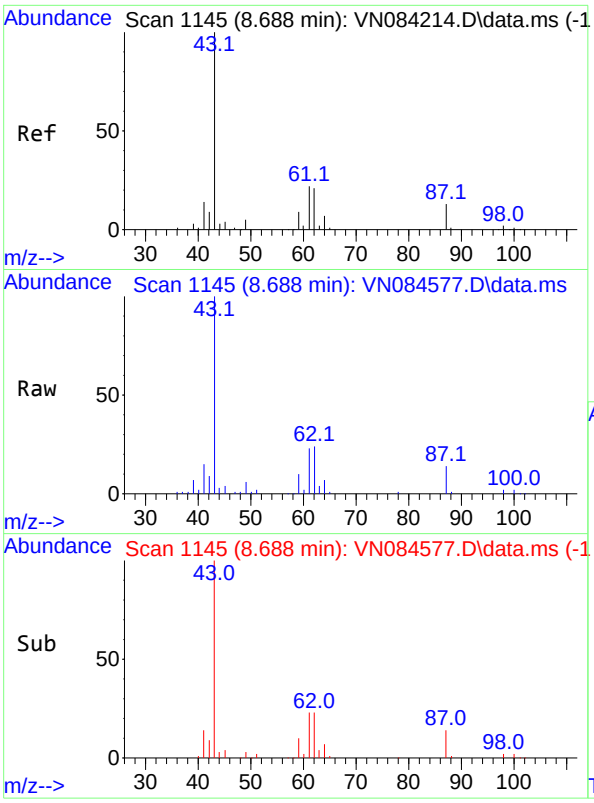


#42
1,2-Dichloroethane
Concen: 47.118 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 62 Resp: 149173

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2



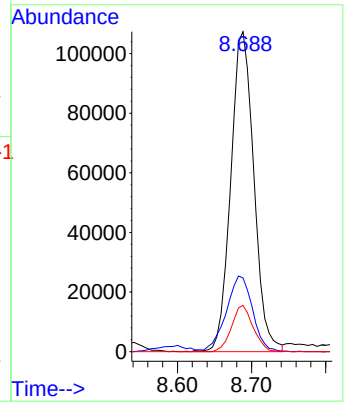


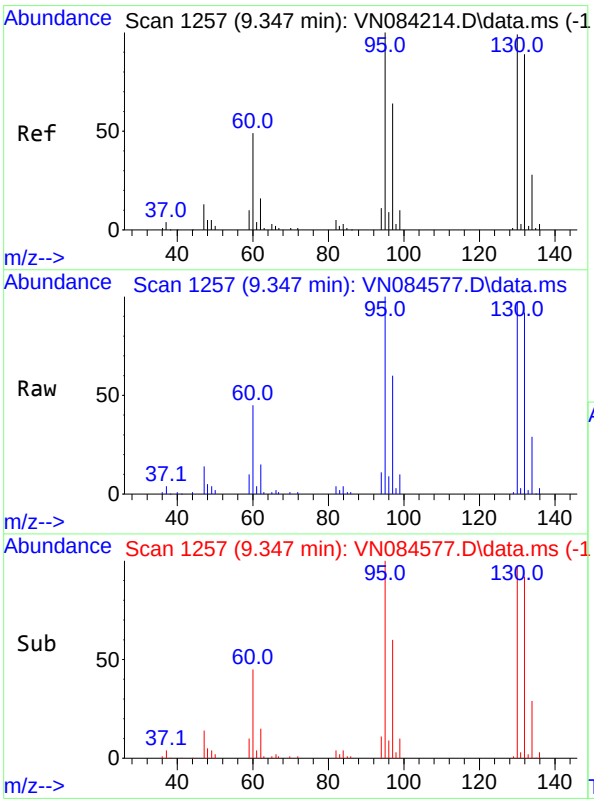
#43
Isopropyl Acetate
Concen: 45.492 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 43 Resp: 232558

Ion	Ratio	Lower	Upper
43	100		
61	26.9	20.4	30.6
87	13.5	10.3	15.5

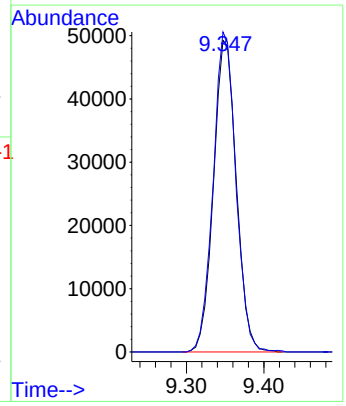


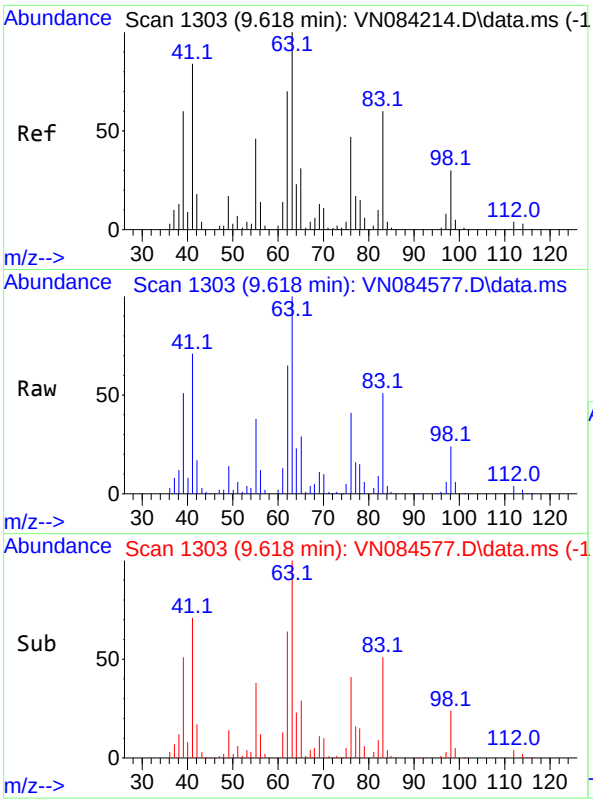


#44
Trichloroethene
Concen: 44.732 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:130 Resp: 100849

Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	203.0



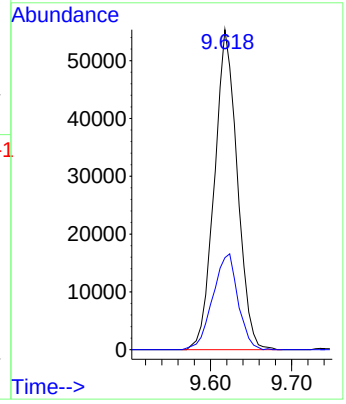


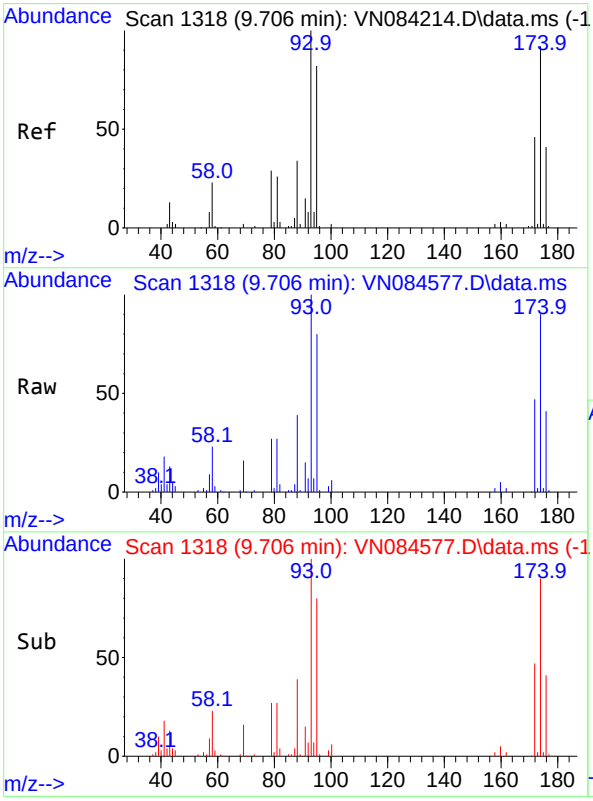
#45
1,2-Dichloropropane
Concen: 47.196 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 63 Resp: 108229

Ion	Ratio	Lower	Upper
63	100		
65	28.8	24.6	37.0

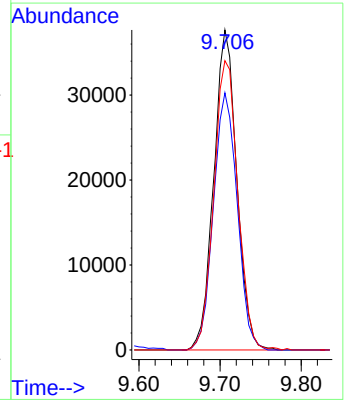


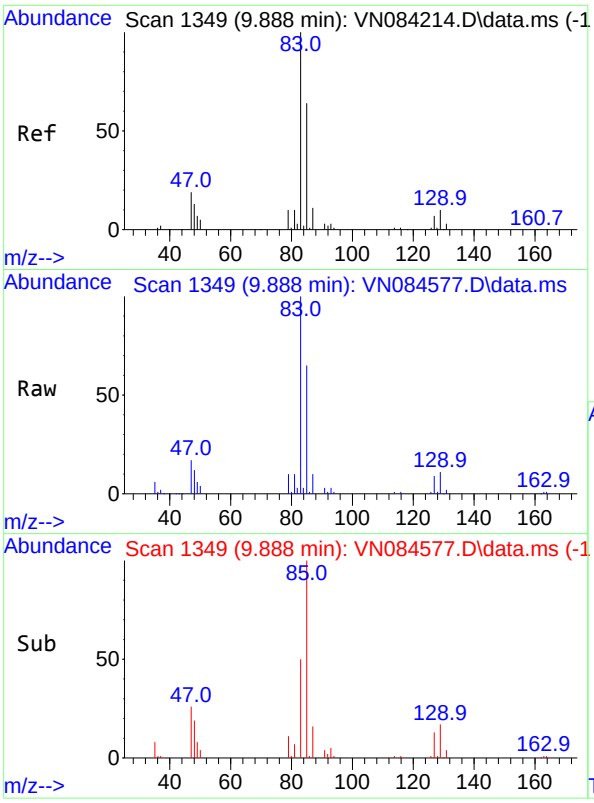


#46
Dibromomethane
Concen: 45.911 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 93 Resp: 74292

Ion	Ratio	Lower	Upper
93	100		
95	83.1	65.0	97.4
174	94.6	71.8	107.8



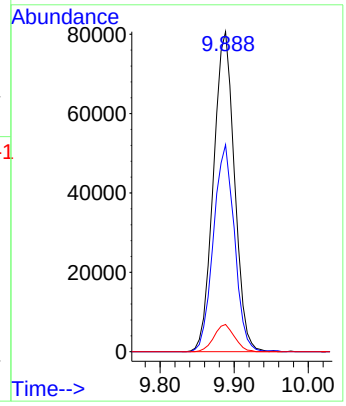


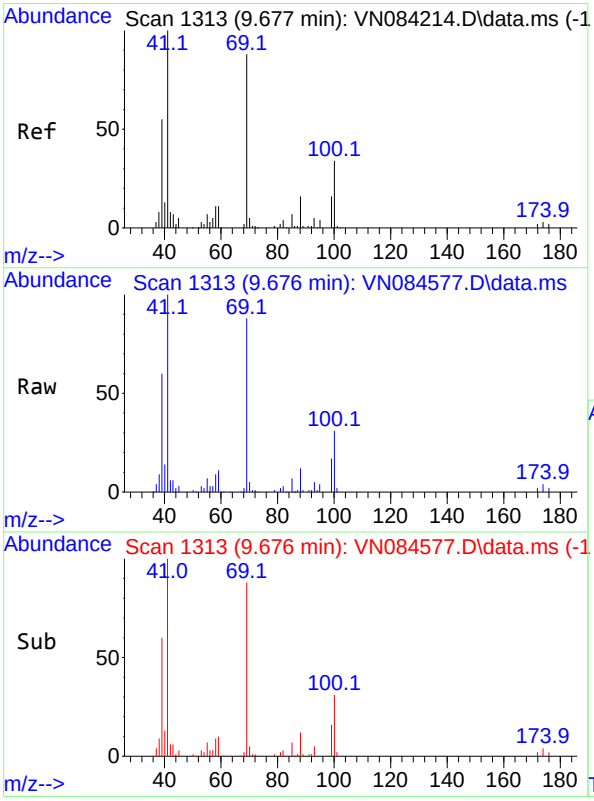
#47
Bromodichloromethane
Concen: 46.560 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 83 Resp: 158814

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.5	77.3
127	8.5	5.7	8.5#

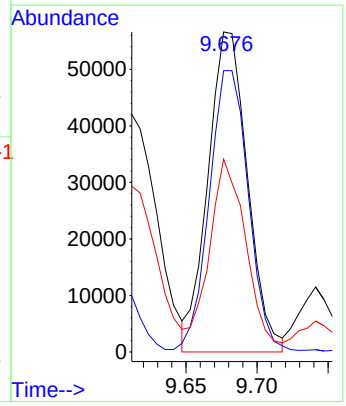


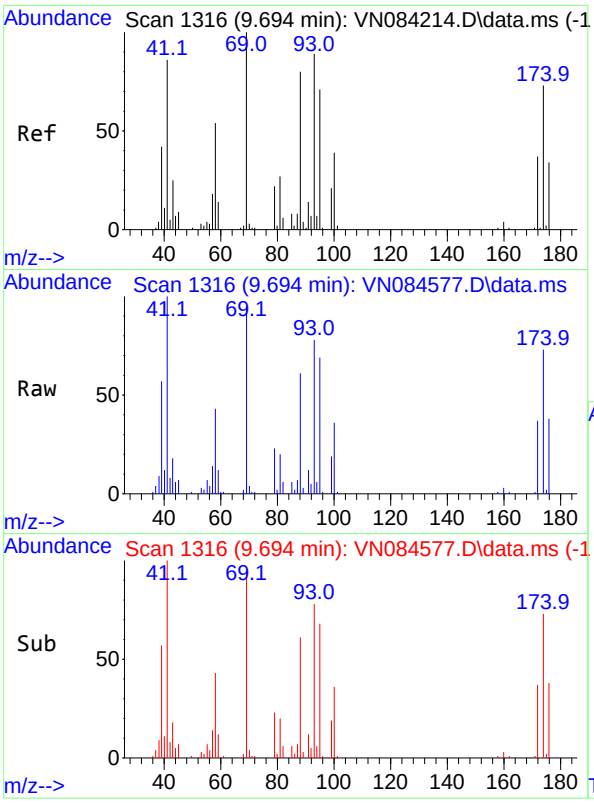


#48
Methyl methacrylate
Concen: 51.057 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 41 Resp: 109745

Ion	Ratio	Lower	Upper
41	100		
69	87.5	67.1	100.7
39	56.5	45.8	68.6



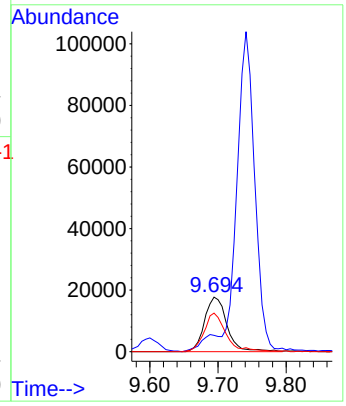


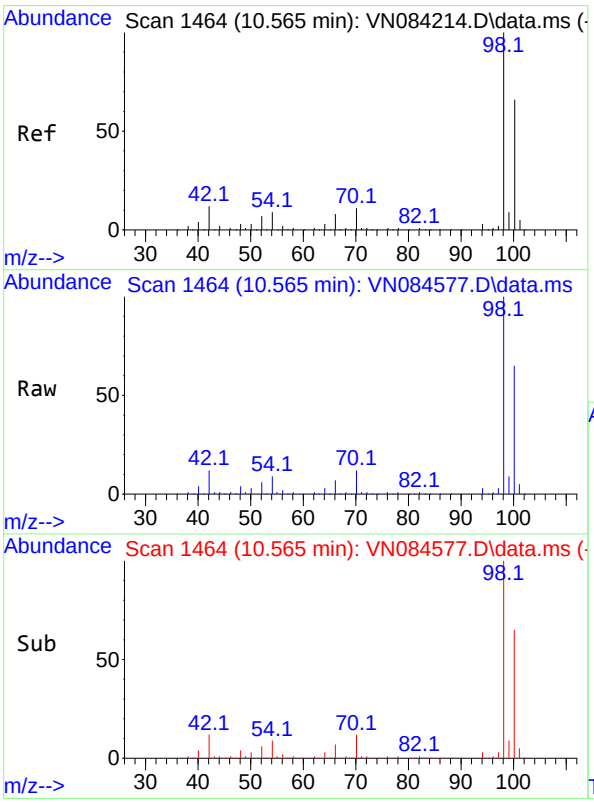
#49
1,4-Dioxane
Concen: 1063.992 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 88 Resp: 40527

Ion	Ratio	Lower	Upper
88	100		
43	24.5	25.3	37.9#
58	69.9	56.4	84.6

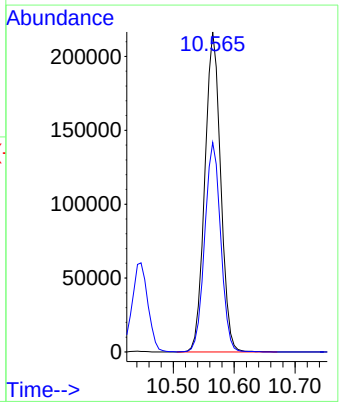


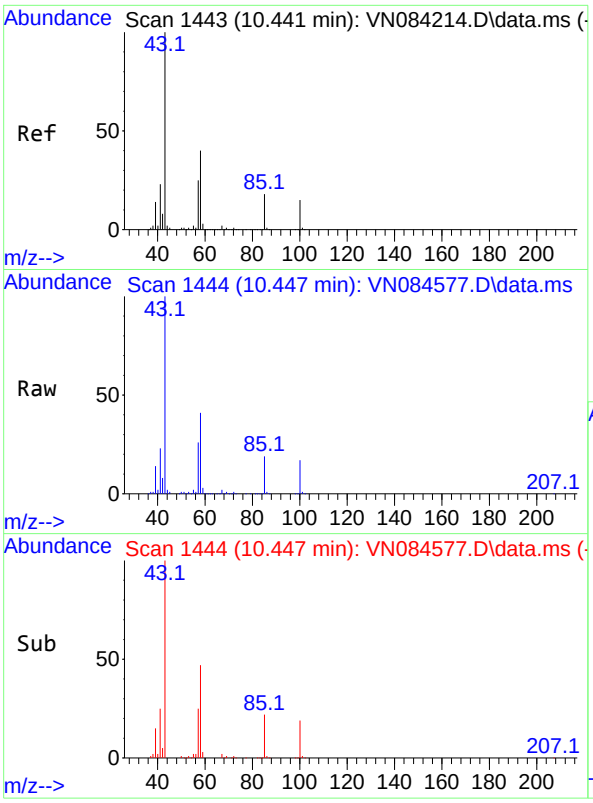


#50
Toluene-d8
Concen: 48.359 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 98 Resp: 390989

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.7	79.1



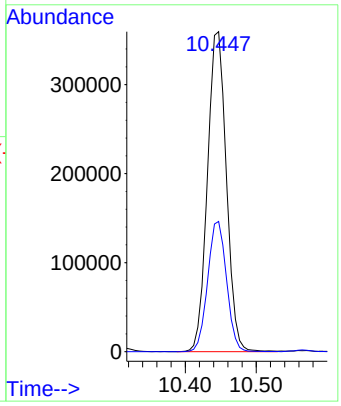


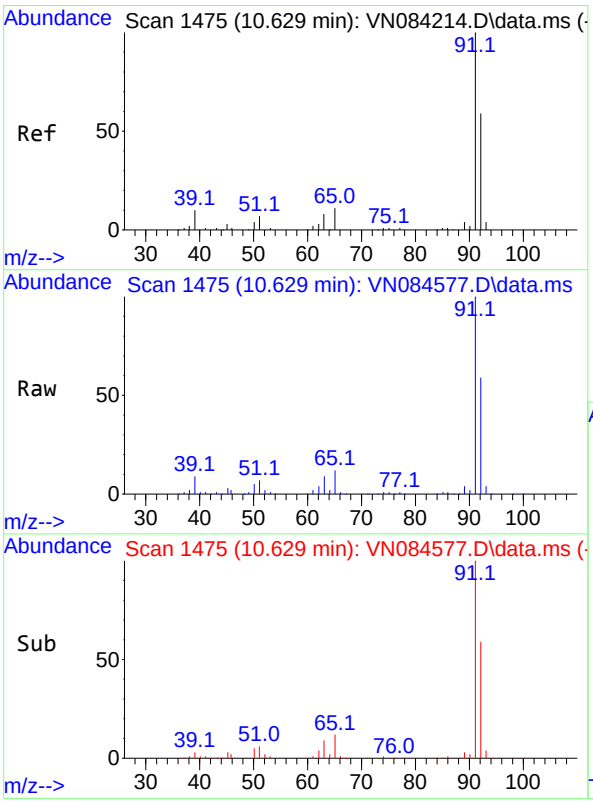
#51
4-Methyl-2-Pentanone
Concen: 252.729 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 43 Resp: 665397

Ion	Ratio	Lower	Upper
43	100		
58	40.5	31.6	47.4

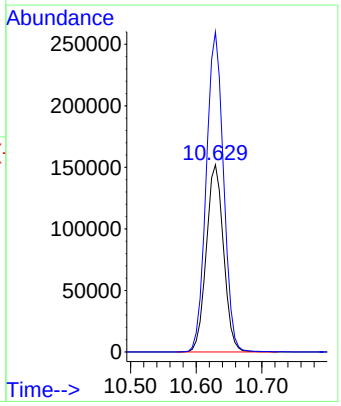


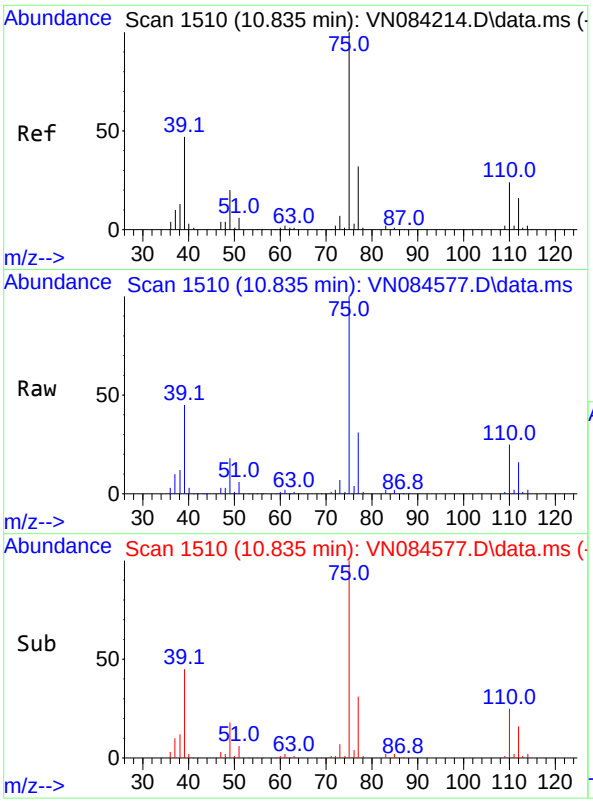


#52
Toluene
Concen: 48.616 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 92 Resp: 277957

Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.3	205.9



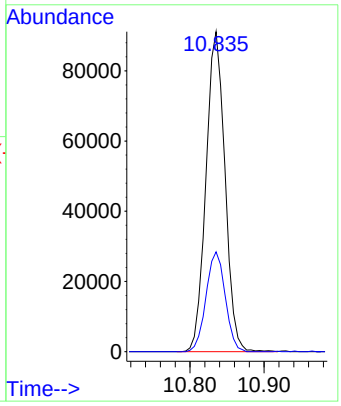


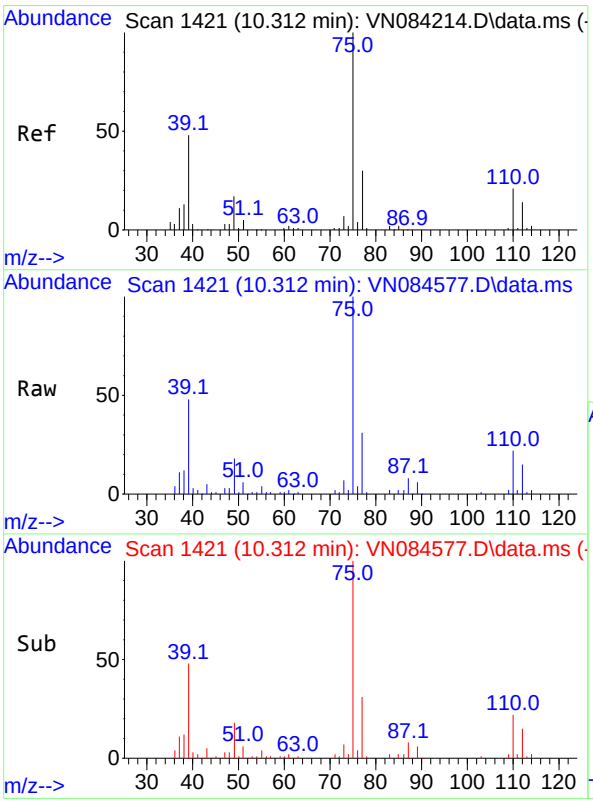
#53
t-1,3-Dichloropropene
Concen: 45.911 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 75 Resp: 162100

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.0

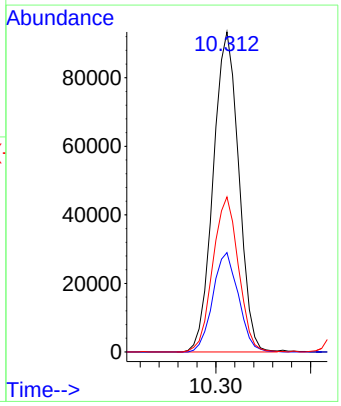


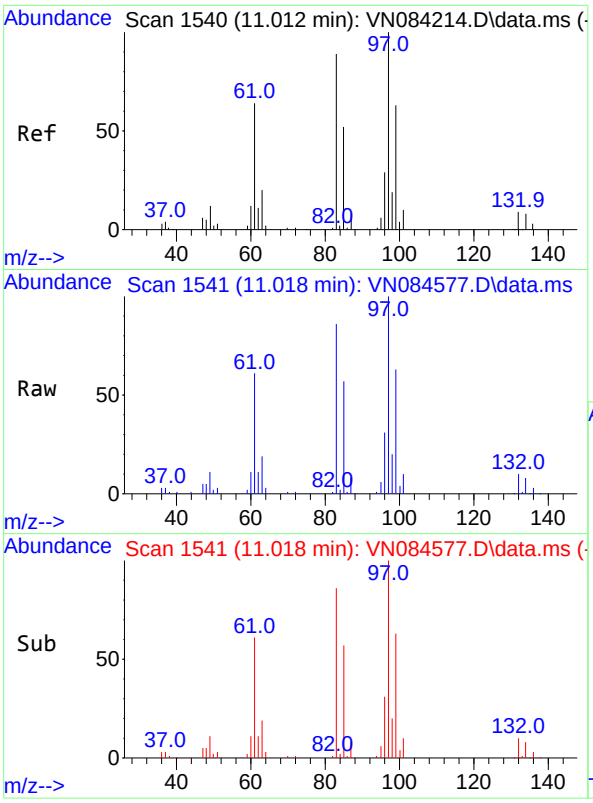


#54
cis-1,3-Dichloropropene
Concen: 46.832 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 75 Resp: 175008

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.2	36.2
39	48.4	38.7	58.1



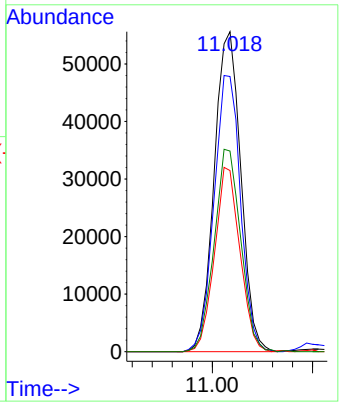


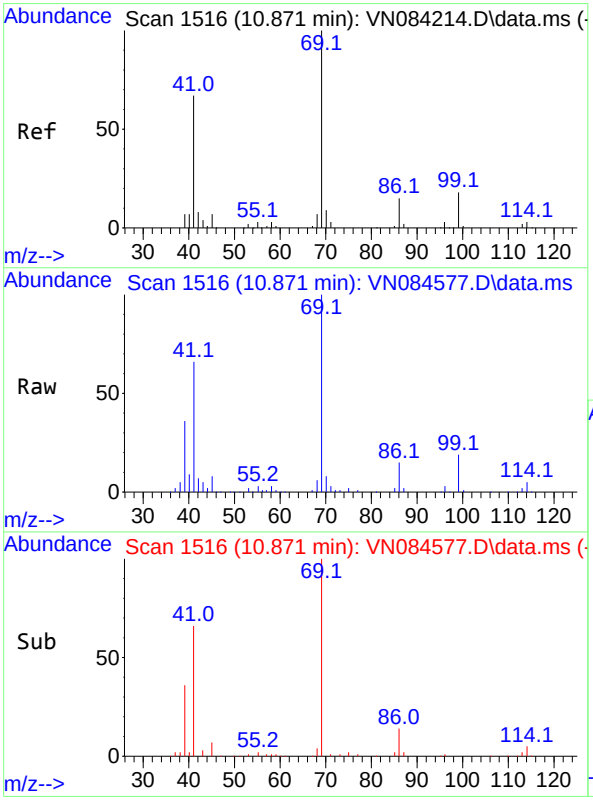
#55
1,1,2-Trichloroethane
Concen: 47.618 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 97 Resp: 102553

Ion	Ratio	Lower	Upper
97	100		
83	86.0	71.0	106.4
85	56.6	41.7	62.5
99	62.7	50.1	75.1

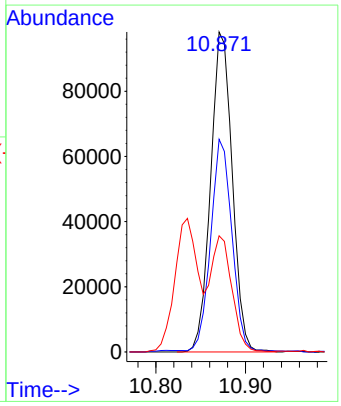


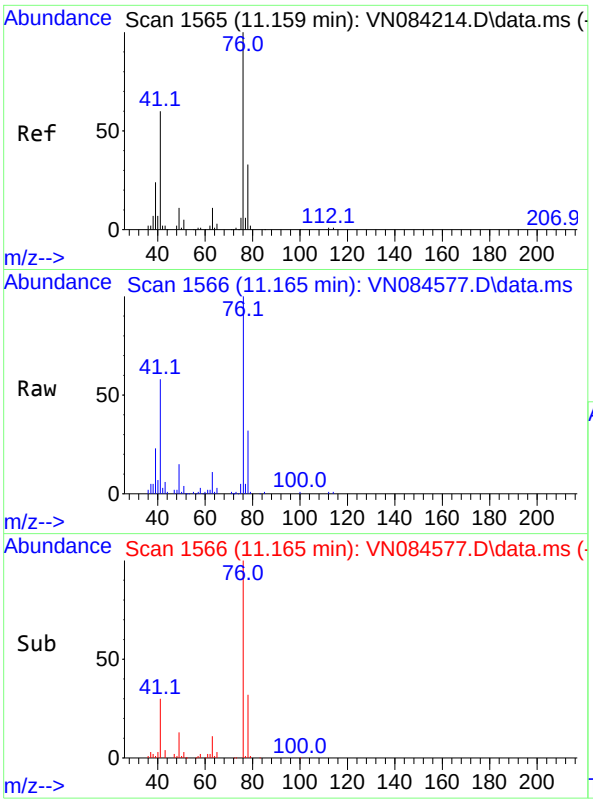


#56
Ethyl methacrylate
Concen: 52.764 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 69 Resp: 164370

Ion	Ratio	Lower	Upper
69	100		
41	65.0	53.3	79.9
39	35.6	28.8	43.2



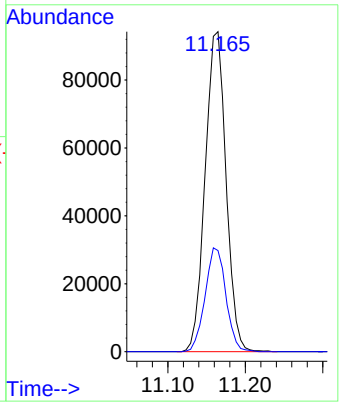


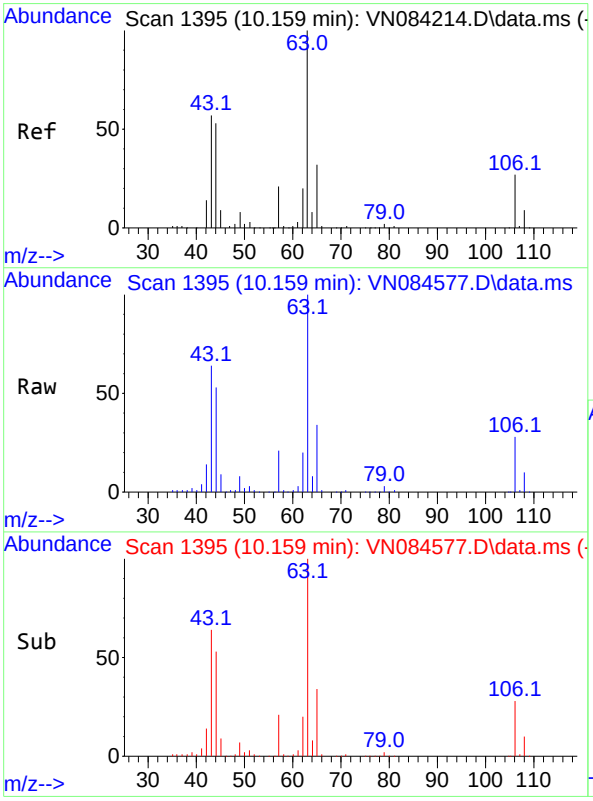
#57
1,3-Dichloropropane
Concen: 47.765 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 76 Resp: 176546

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.6

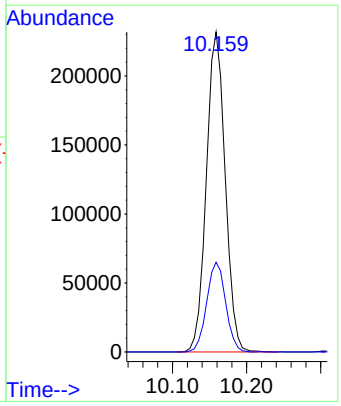


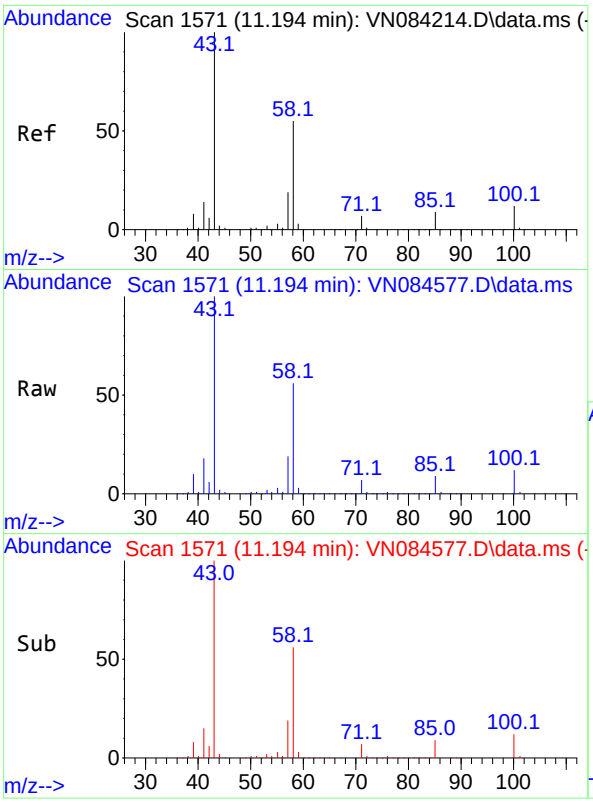


#58
2-Chloroethyl Vinyl ether
Concen: 280.013 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 63 Resp: 408174

Ion	Ratio	Lower	Upper
63	100		
106	28.2	21.8	32.6



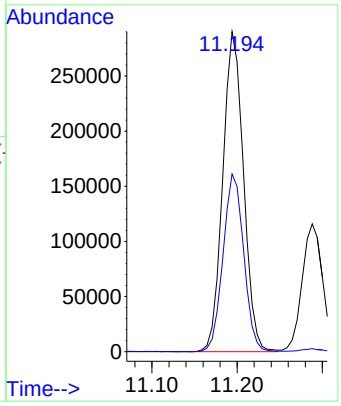


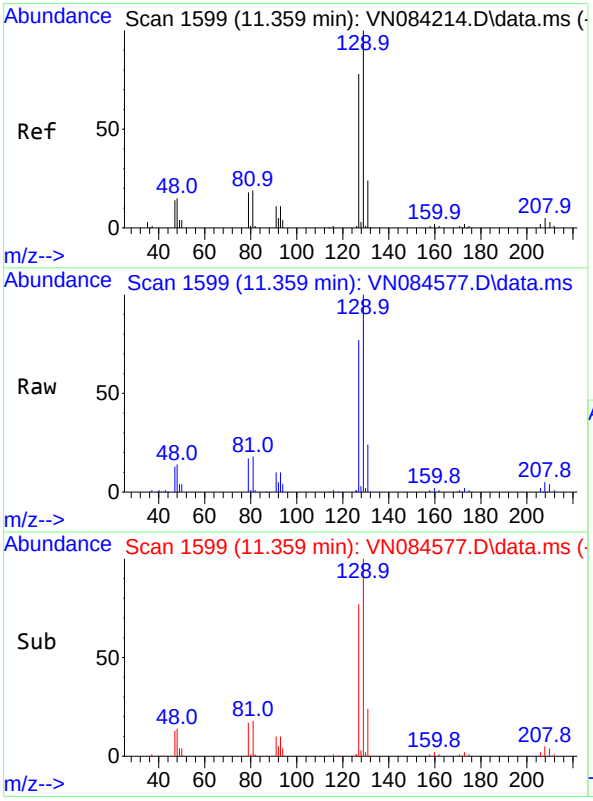
#59
2-Hexanone
Concen: 255.570 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 43 Resp: 489776

Ion	Ratio	Lower	Upper
43	100		
58	55.4	27.3	81.8

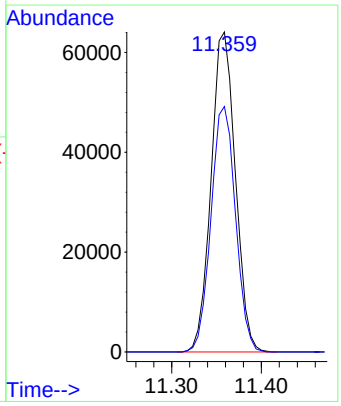


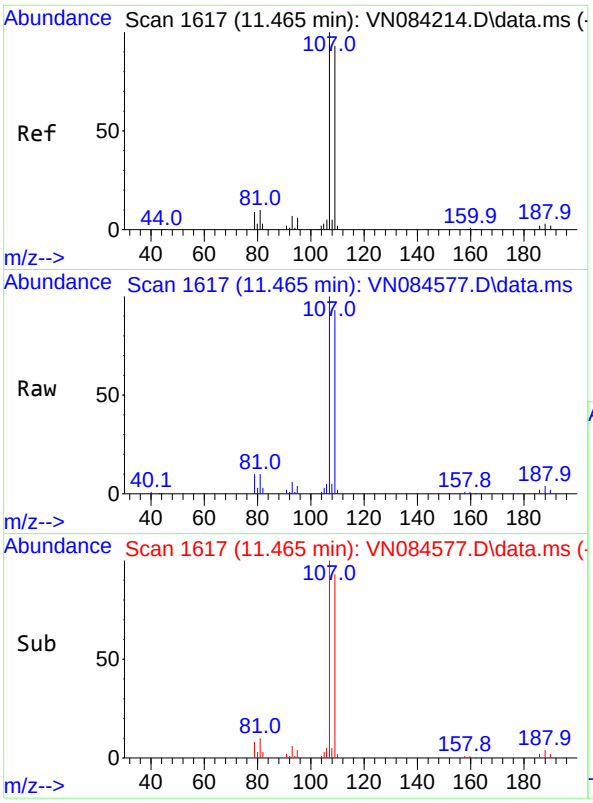


#60
Dibromochloromethane
Concen: 49.079 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:129 Resp: 120465

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.3	114.9



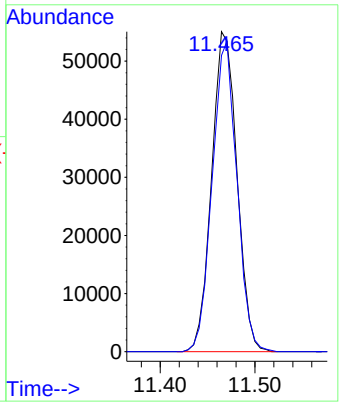


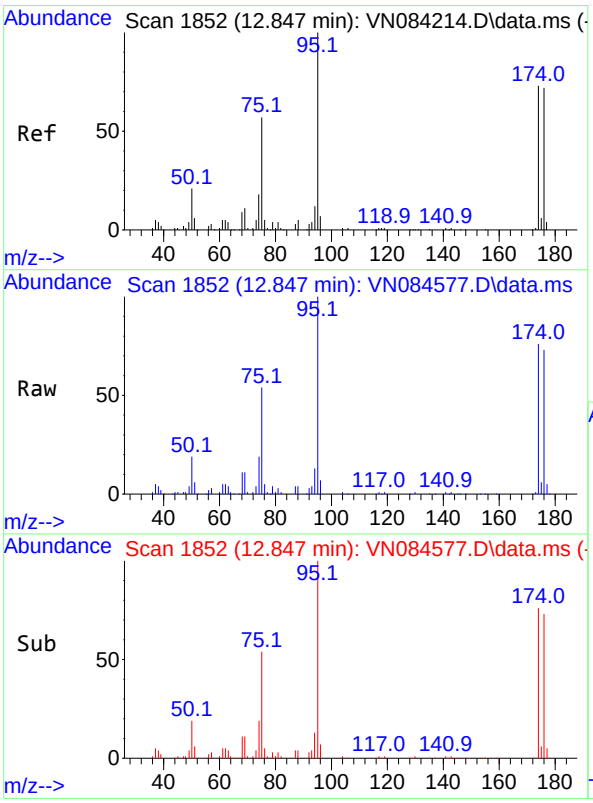
#61
1,2-Dibromoethane
Concen: 46.393 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:107 Resp: 102316

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.4	113.0

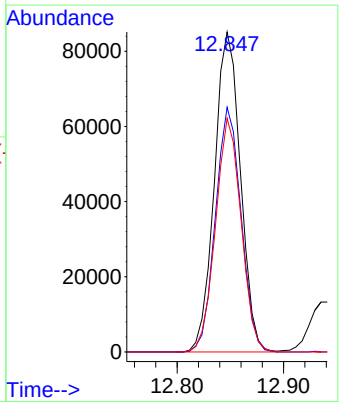


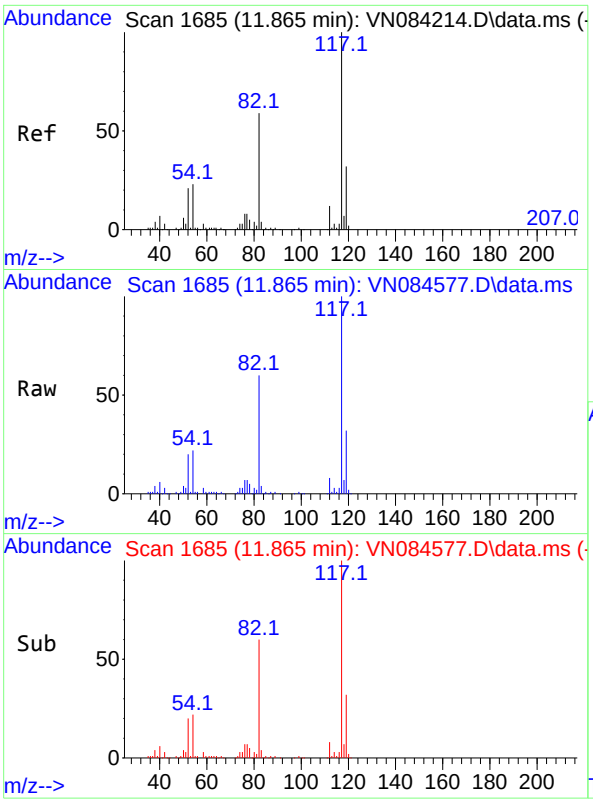


#62
4-Bromofluorobenzene
Concen: 47.715 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 95 Resp: 144180

Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	145.2
176	71.7	0.0	140.0



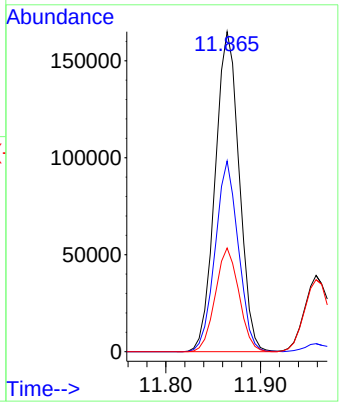


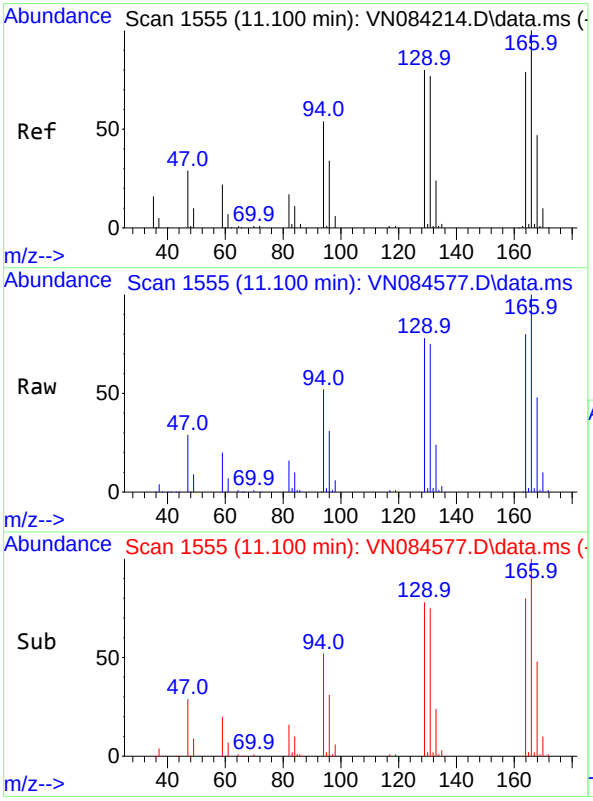
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:117 Resp: 291586

Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.2	70.8
119	32.4	25.4	38.0

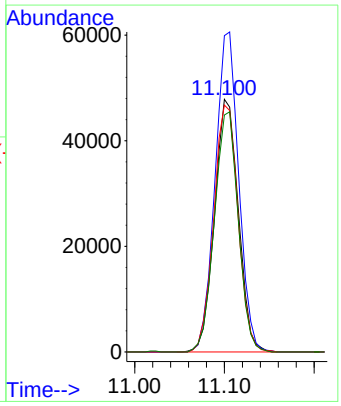


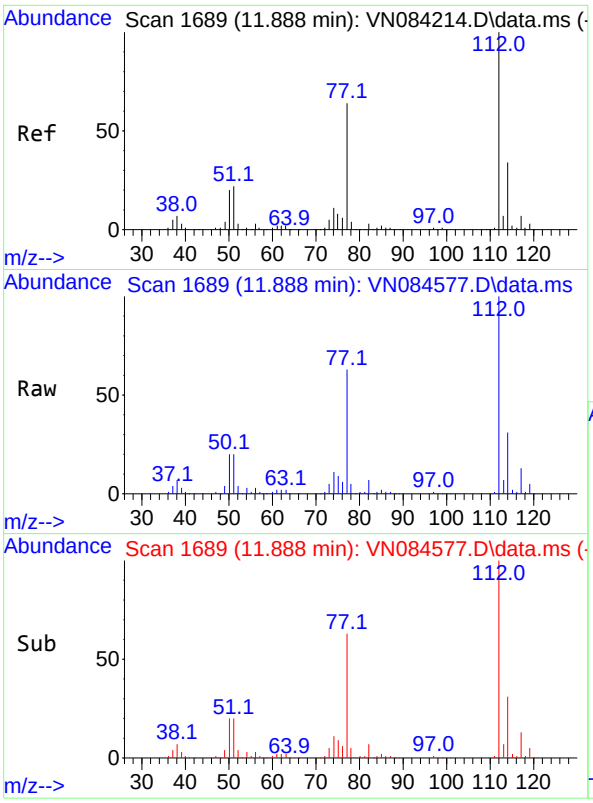


#64
Tetrachloroethene
Concen: 45.436 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:164 Resp: 88124

Ion	Ratio	Lower	Upper
164	100		
166	125.3	101.0	151.4
129	97.8	80.8	121.2
131	93.8	78.1	117.1



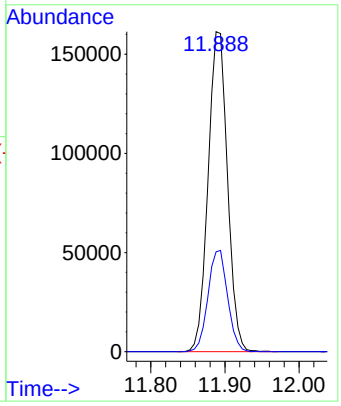


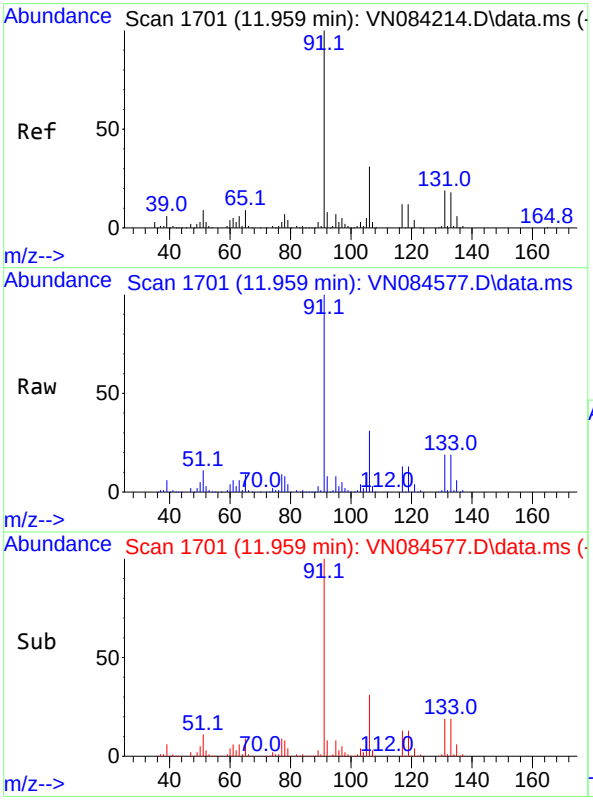
#65
Chlorobenzene
Concen: 44.872 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:112 Resp: 292713

Ion	Ratio	Lower	Upper
112	100		
114	31.2	27.0	40.6

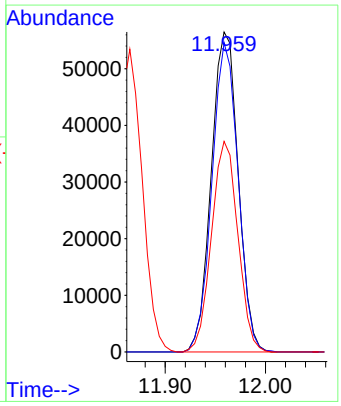


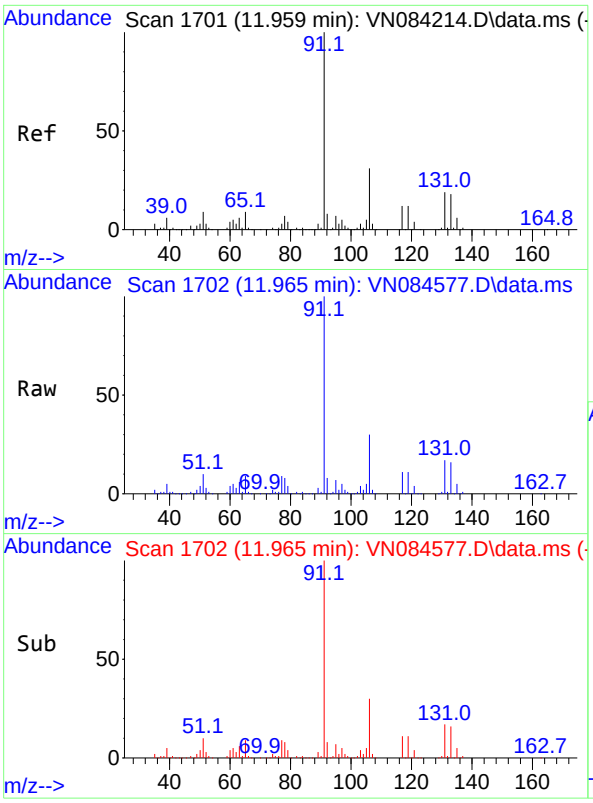


#66
1,1,1,2-Tetrachloroethane
Concen: 46.323 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:131 Resp: 105108

Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.9	143.7
119	64.7	32.8	98.3



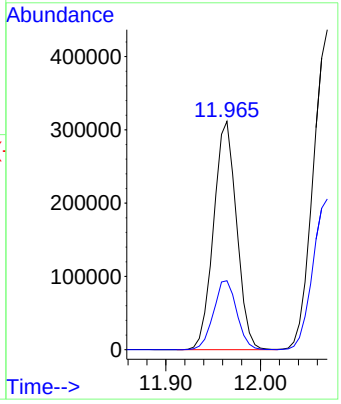


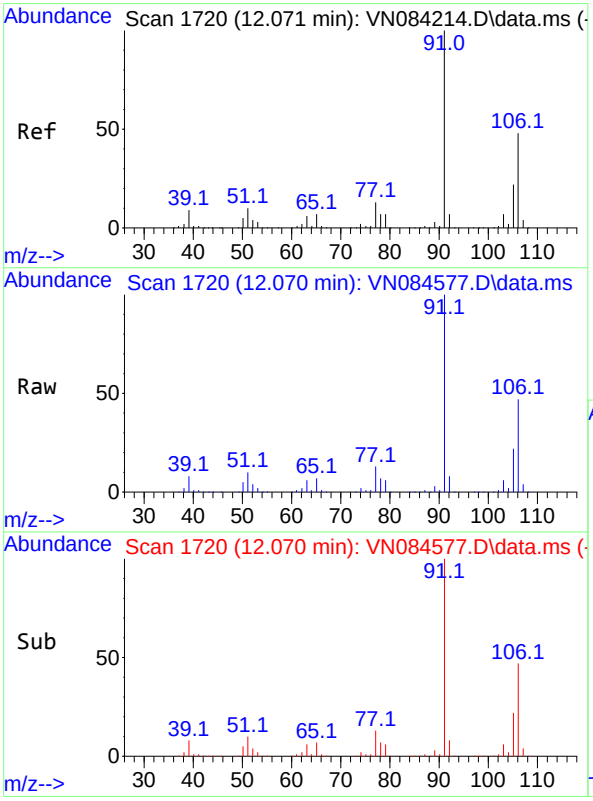
#67
Ethyl Benzene
Concen: 48.319 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 91 Resp: 526140

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.5	36.7

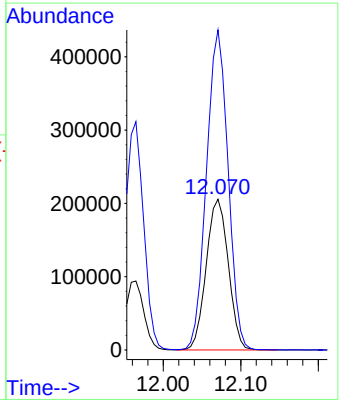


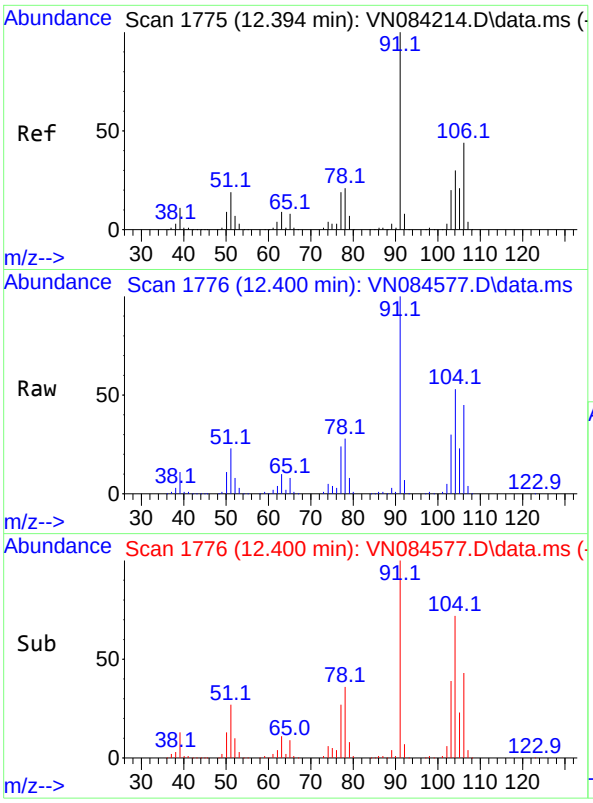


#68
m/p-Xylenes
Concen: 98.979 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:106 Resp: 408029

Ion	Ratio	Lower	Upper
106	100		
91	207.3	167.1	250.7



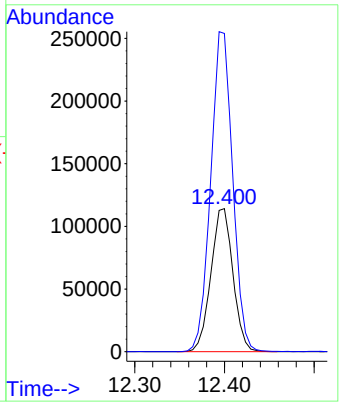


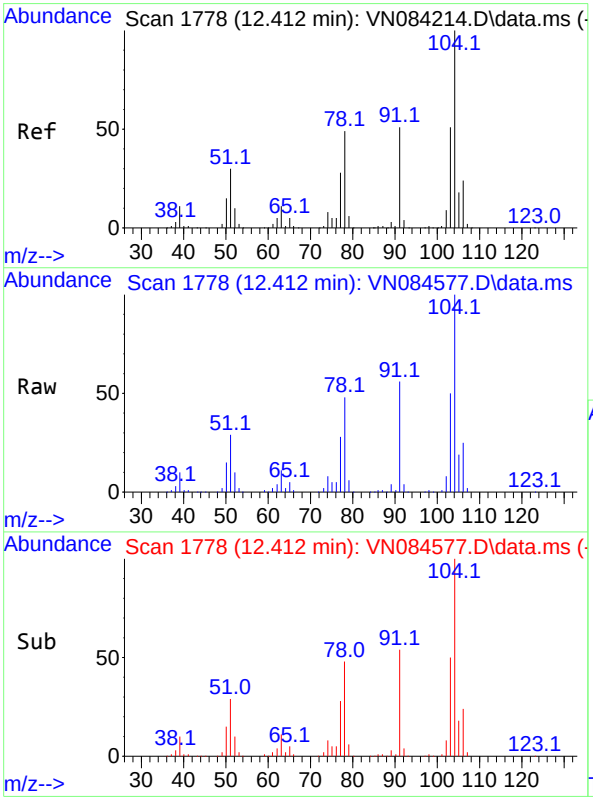
#69
o-Xylene
Concen: 50.538 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:106 Resp: 194895

Ion	Ratio	Lower	Upper
106	100		
91	222.7	110.2	330.6

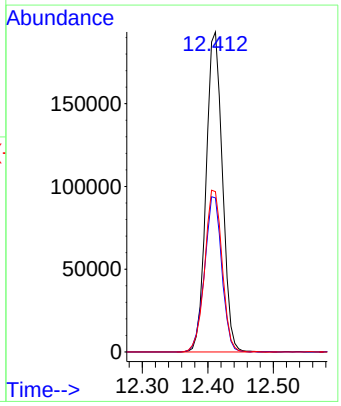


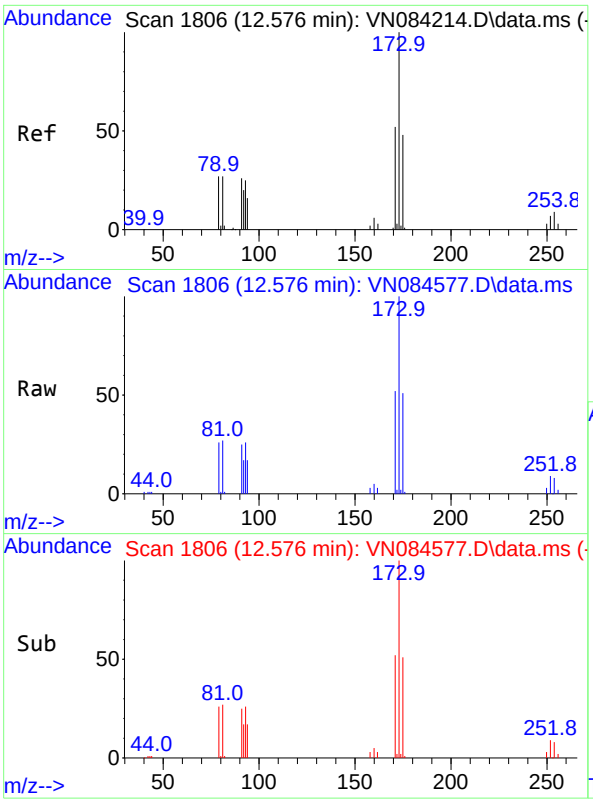


#70
Styrene
Concen: 49.600 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:104 Resp: 333668

Ion	Ratio	Lower	Upper
104	100		
78	51.4	42.7	64.1
103	54.0	43.6	65.4



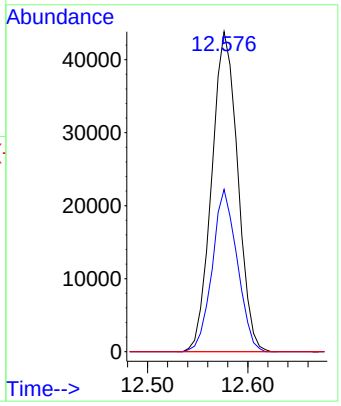


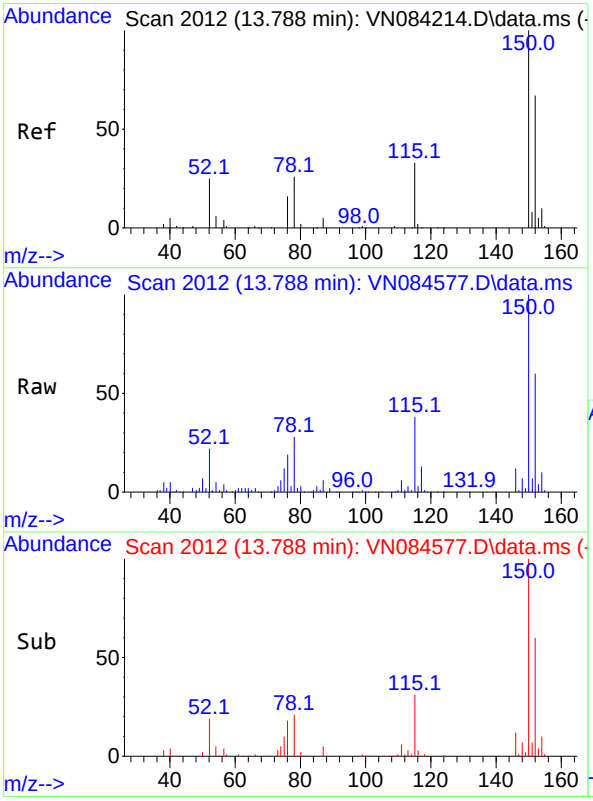
#71
Bromoform
Concen: 46.166 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:173 Resp: 78822

Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.5	70.6
254	0.0	0.0	0.0

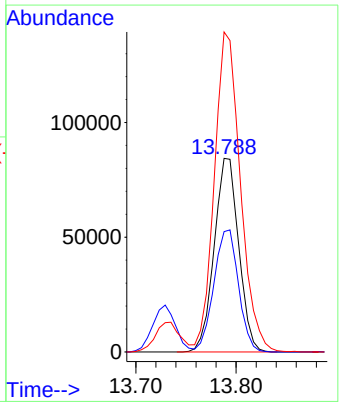


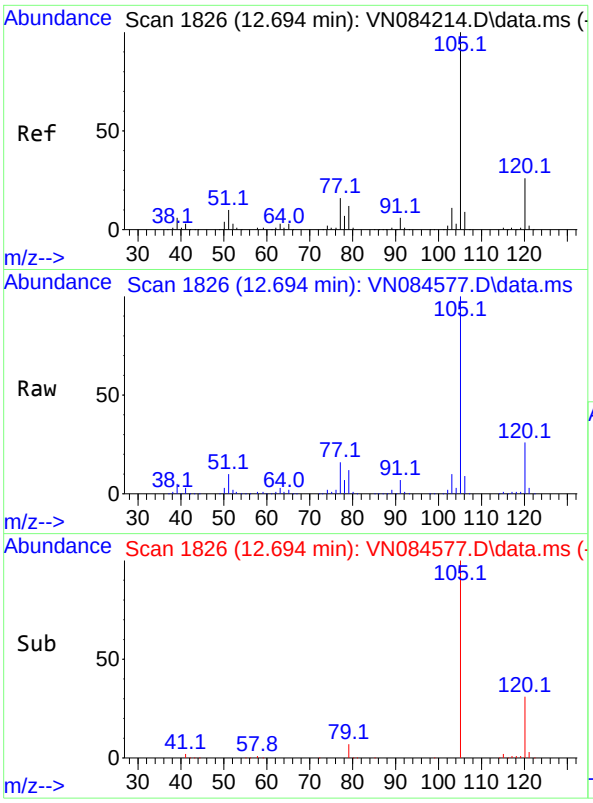


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:152 Resp: 142817

Ion	Ratio	Lower	Upper
152	100		
115	63.4	31.3	93.9
150	176.6	0.0	349.8



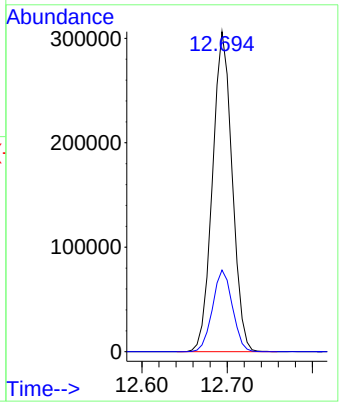


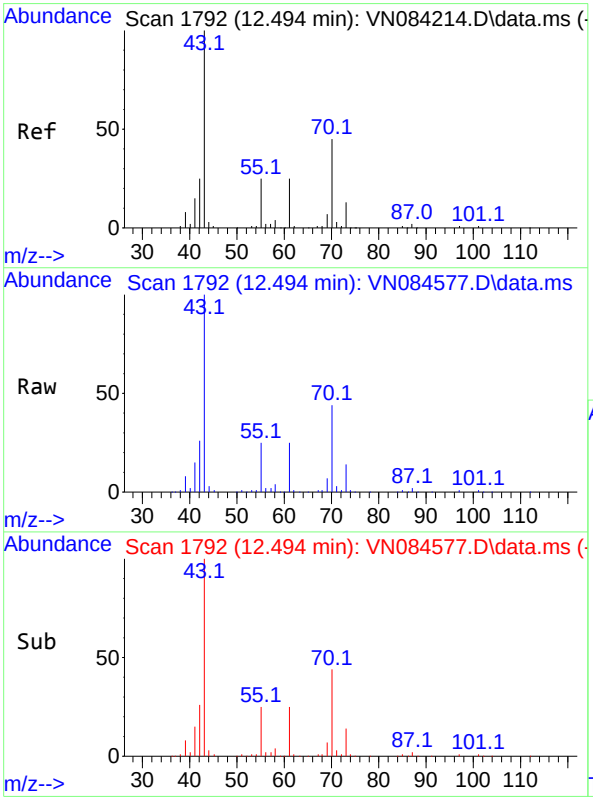
#73
Isopropylbenzene
Concen: 49.063 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:105 Resp: 491033

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7

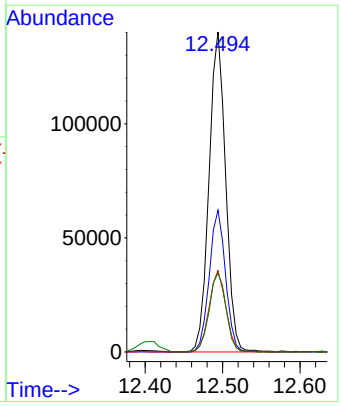


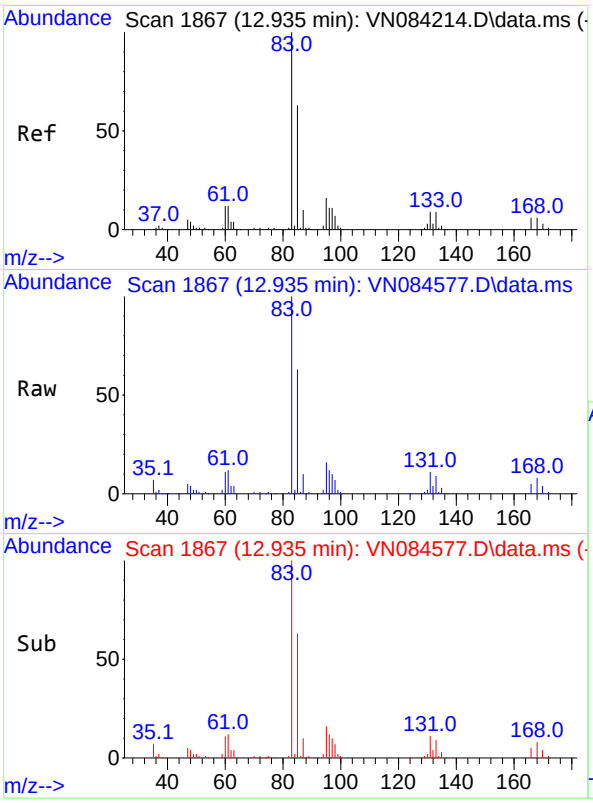


#74
N-amyl acetate
Concen: 49.076 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 43 Resp: 209049

Ion	Ratio	Lower	Upper
43	100		
70	43.5	34.4	51.6
55	25.6	19.6	29.4
61	24.9	19.6	29.4



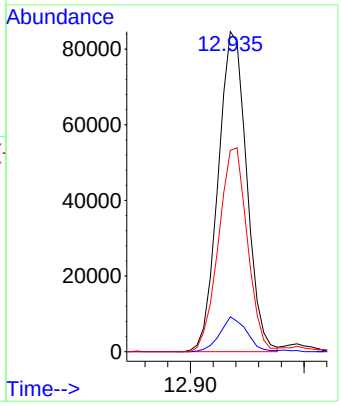


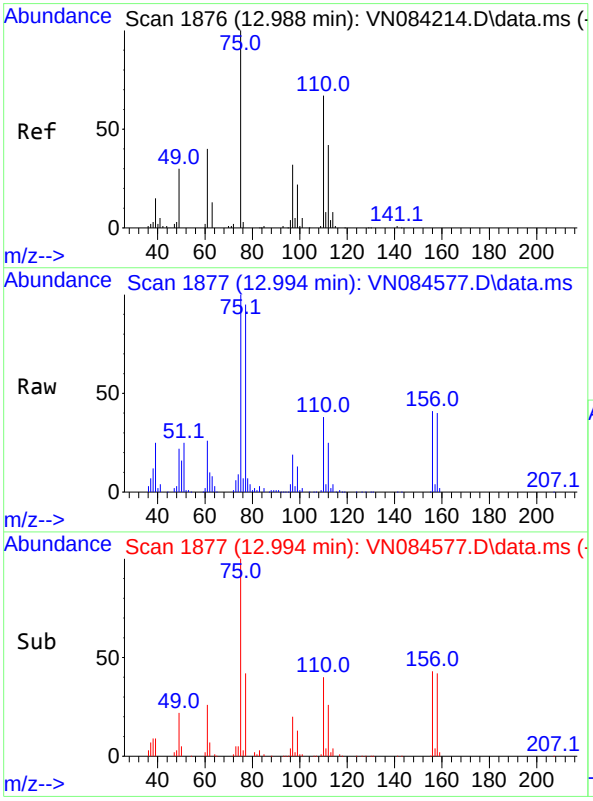
#75
1,1,2,2-Tetrachloroethane
Concen: 44.058 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 83 Resp: 147181

Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.9	14.7
85	64.5	31.9	95.7

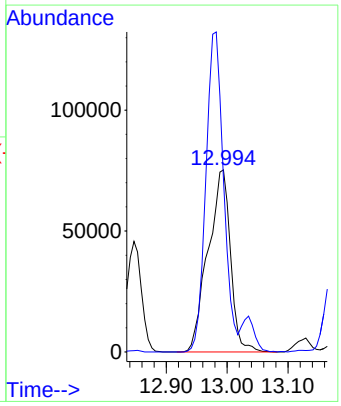


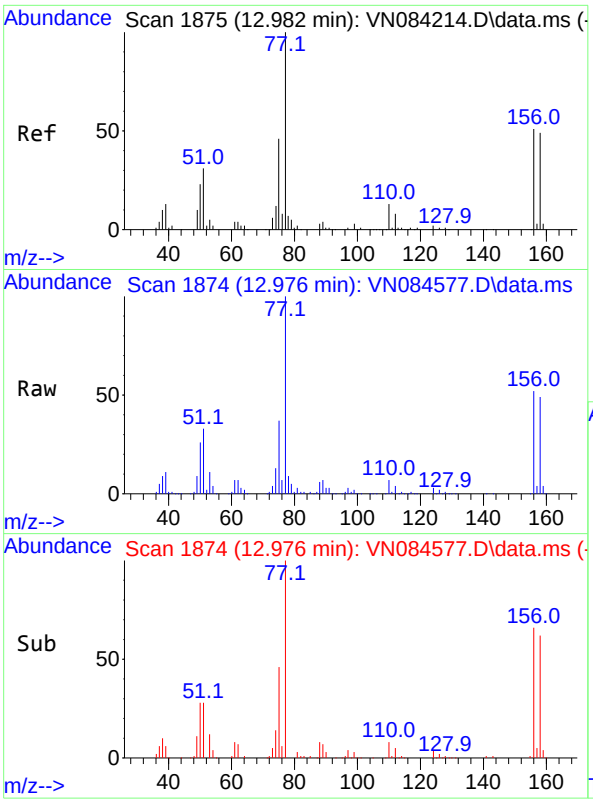


#76
1,2,3-Trichloropropane
Concen: 67.490 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 75 Resp: 192674

Ion	Ratio	Lower	Upper
75	100		
77	138.7	96.9	290.7



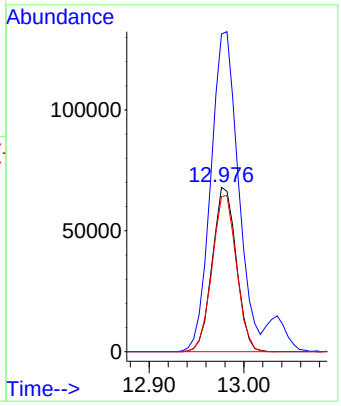


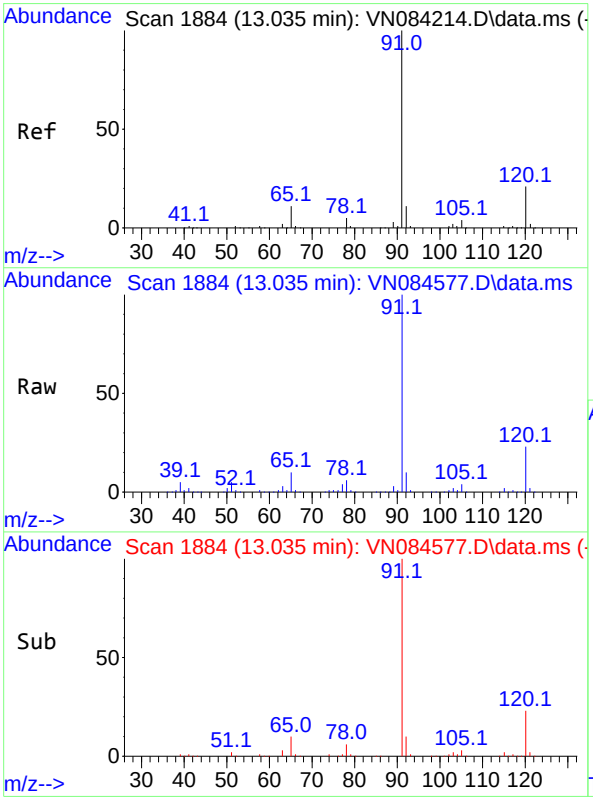
#77
Bromobenzene
Concen: 44.500 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:156 Resp: 119728

Ion	Ratio	Lower	Upper
156	100		
77	223.2	115.1	345.3
158	96.3	48.9	146.8

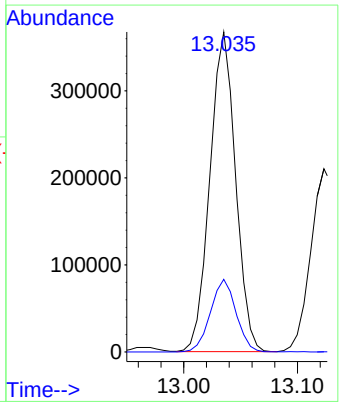


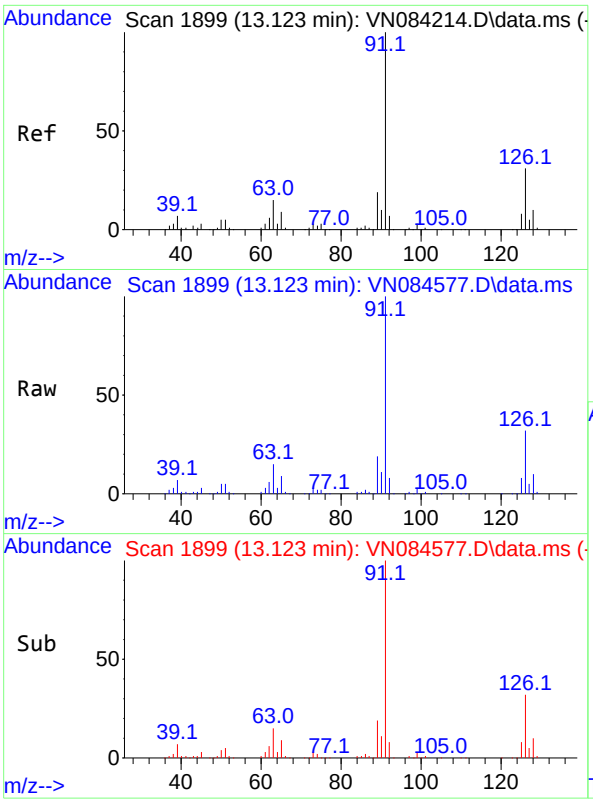


#78
n-propylbenzene
Concen: 49.156 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 91 Resp: 576495

Ion	Ratio	Lower	Upper
91	100		
120	22.7	10.8	32.4



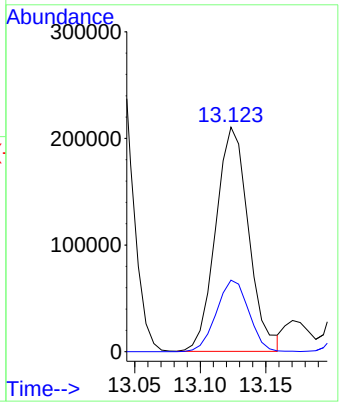


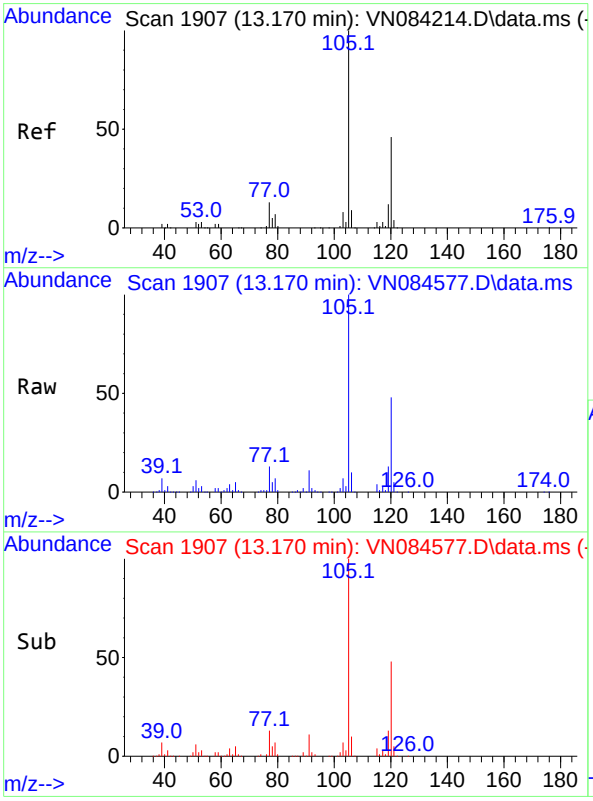
#79
2-Chlorotoluene
Concen: 47.930 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 91 Resp: 367294

Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.1

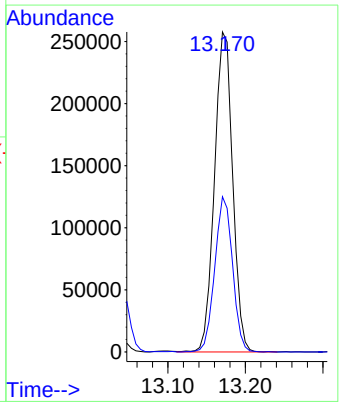


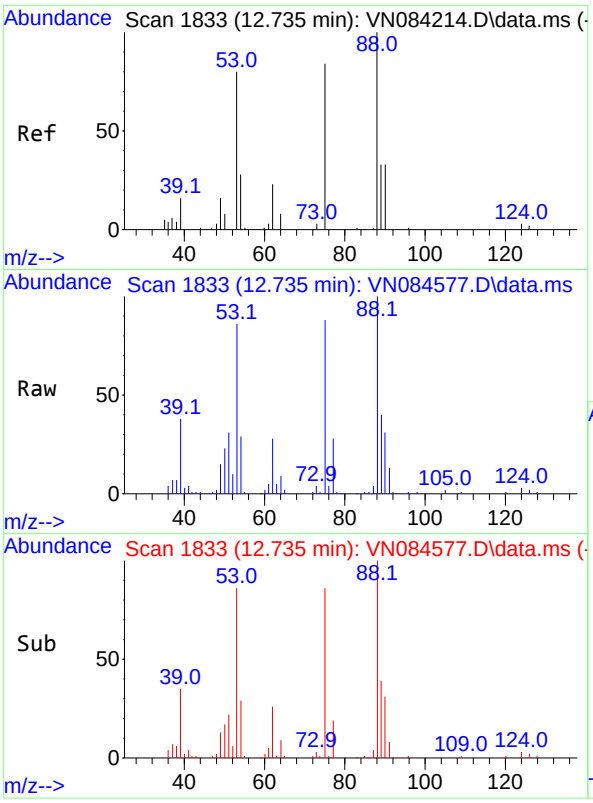


#80
1,3,5-Trimethylbenzene
Concen: 50.714 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:105 Resp: 420675

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.7	71.1



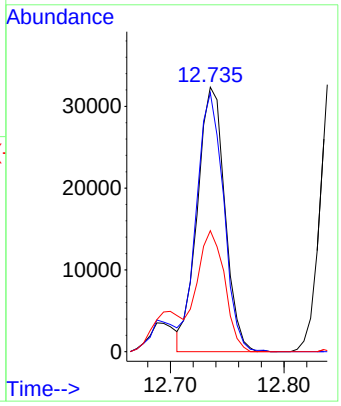


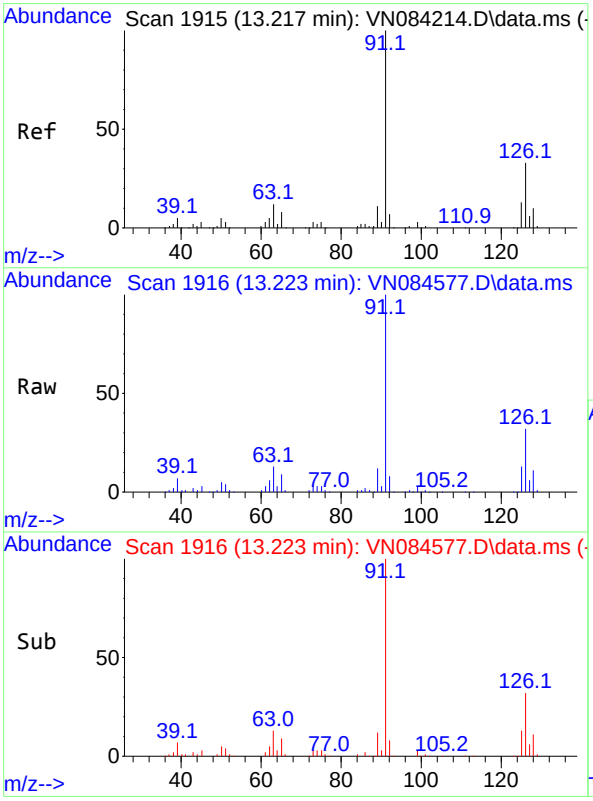
#81
trans-1,4-Dichloro-2-butene
Concen: 45.300 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 75 Resp: 54512

Ion	Ratio	Lower	Upper
75	100		
53	96.4	78.0	117.0
89	45.7	35.5	53.3

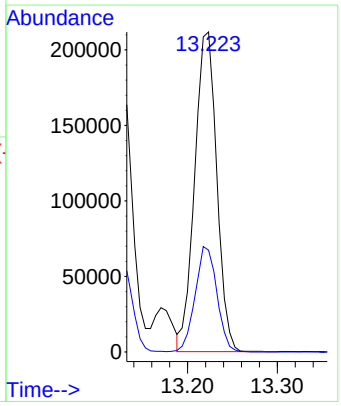


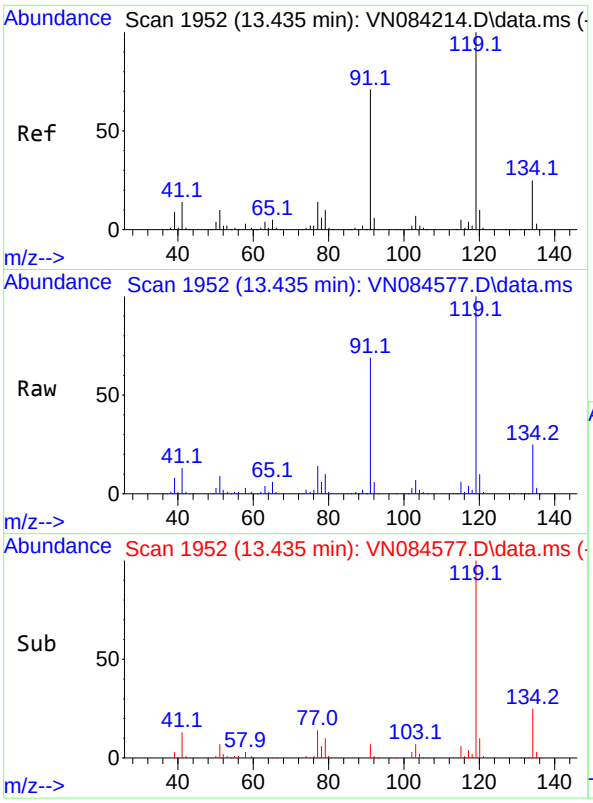


#82
4-Chlorotoluene
Concen: 44.837 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 91 Resp: 361596

Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.7	47.1



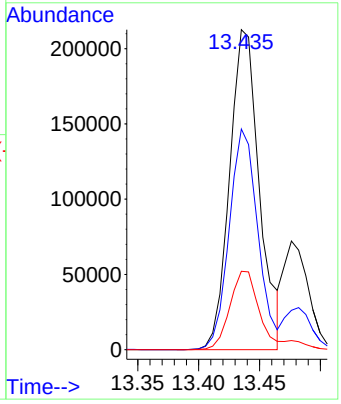


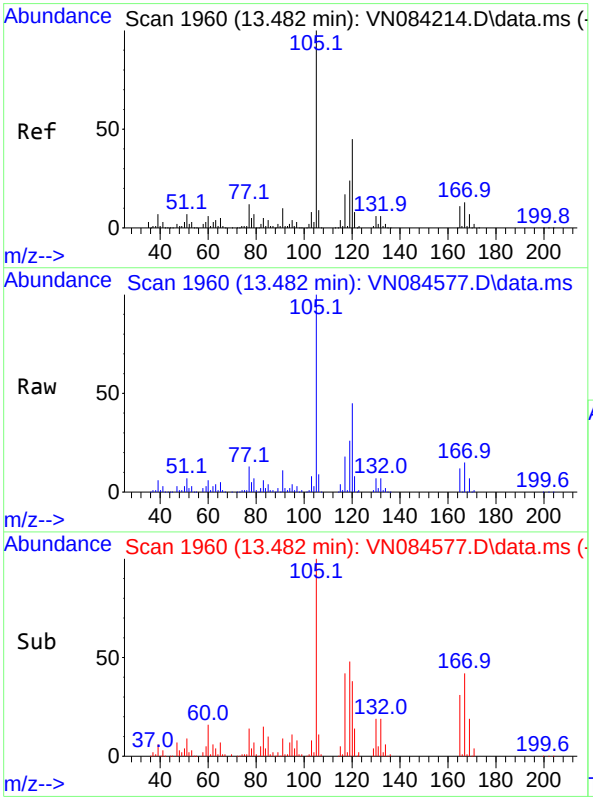
#83
tert-Butylbenzene
Concen: 52.701 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:119 Resp: 361800

Ion	Ratio	Lower	Upper
119	100		
91	66.3	34.1	102.3
134	26.0	12.8	38.4

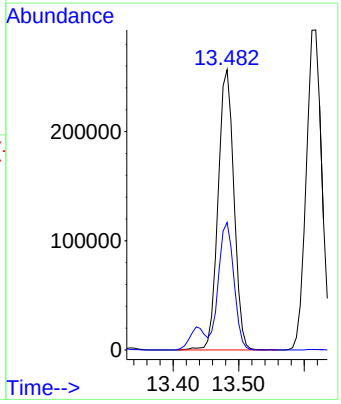


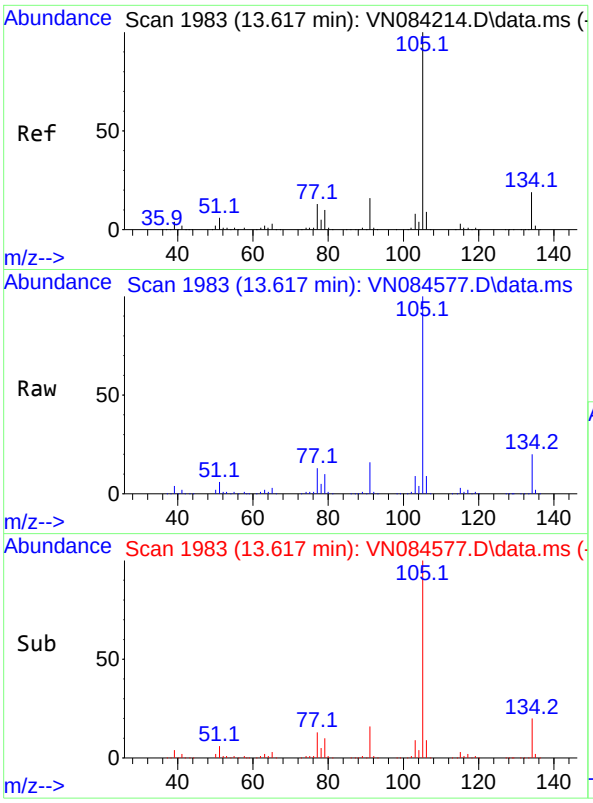


#84
1,2,4-Trimethylbenzene
Concen: 50.053 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:105 Resp: 428517

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.3	66.8



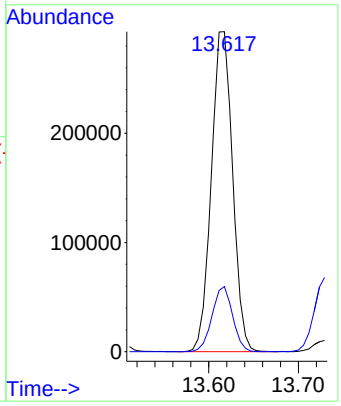


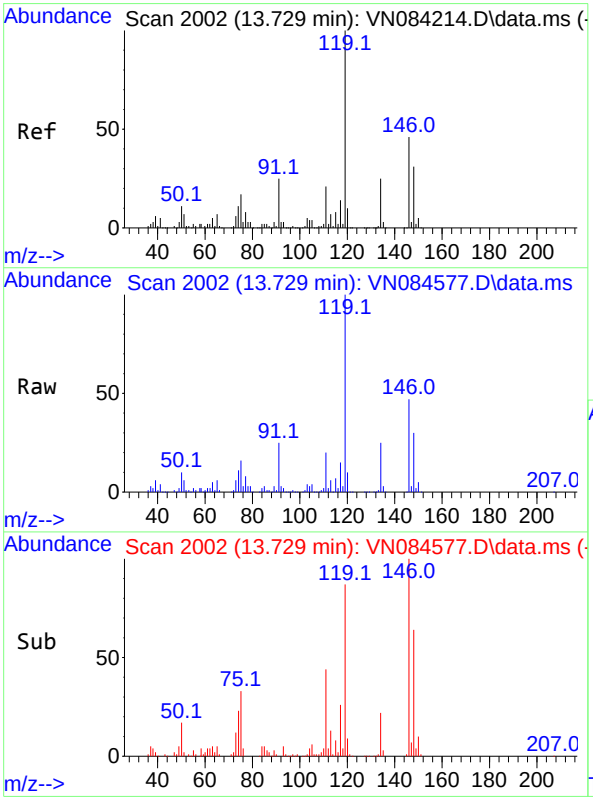
#85
sec-Butylbenzene
Concen: 49.829 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:105 Resp: 483212

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

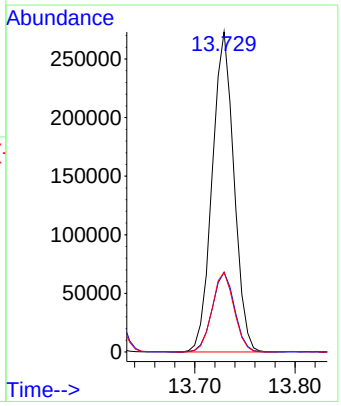


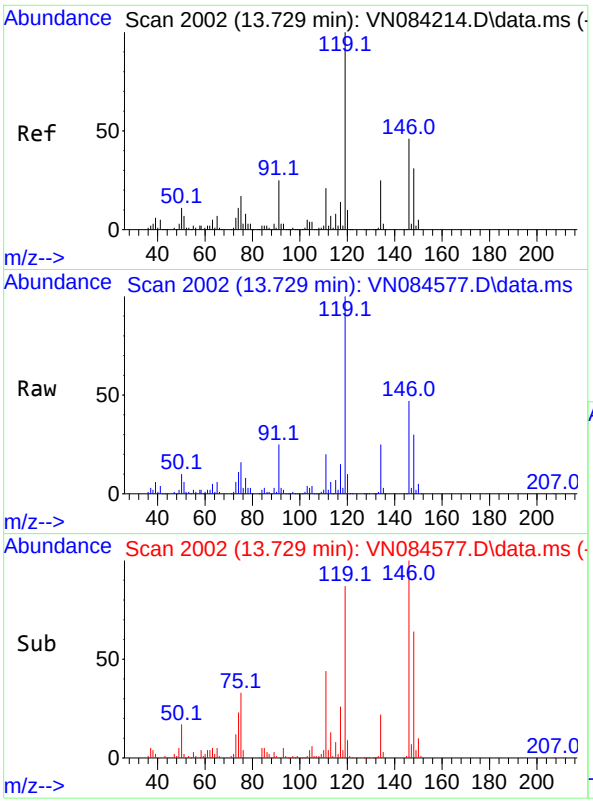


#86
p-Isopropyltoluene
Concen: 51.568 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:119 Resp: 410129

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.6	37.8
91	25.0	12.4	37.2



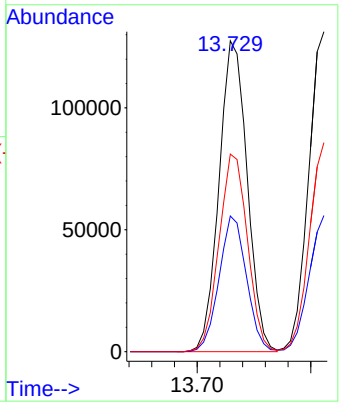


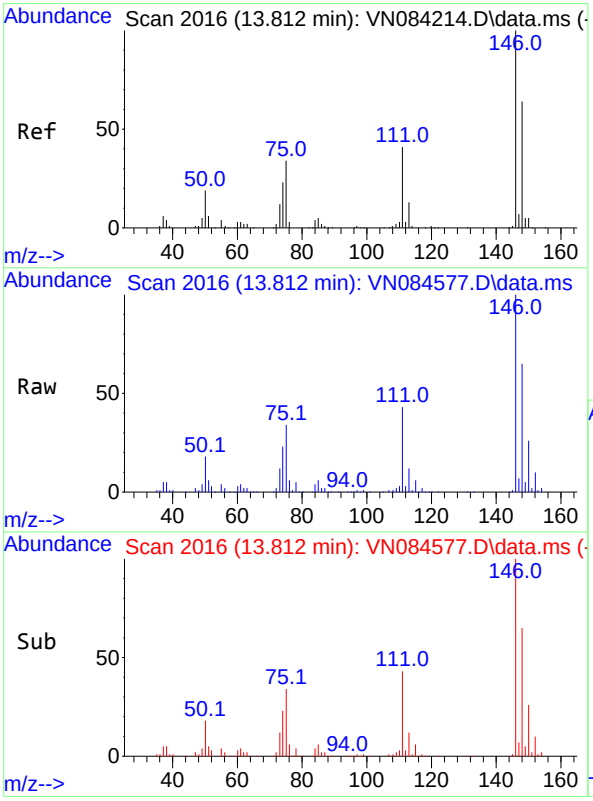
#87
1,3-Dichlorobenzene
Concen: 41.852 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:146 Resp: 219757

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.8	65.3
148	64.2	31.9	95.7

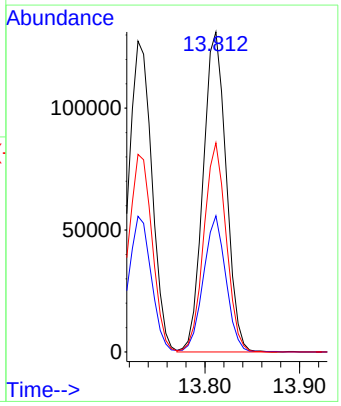


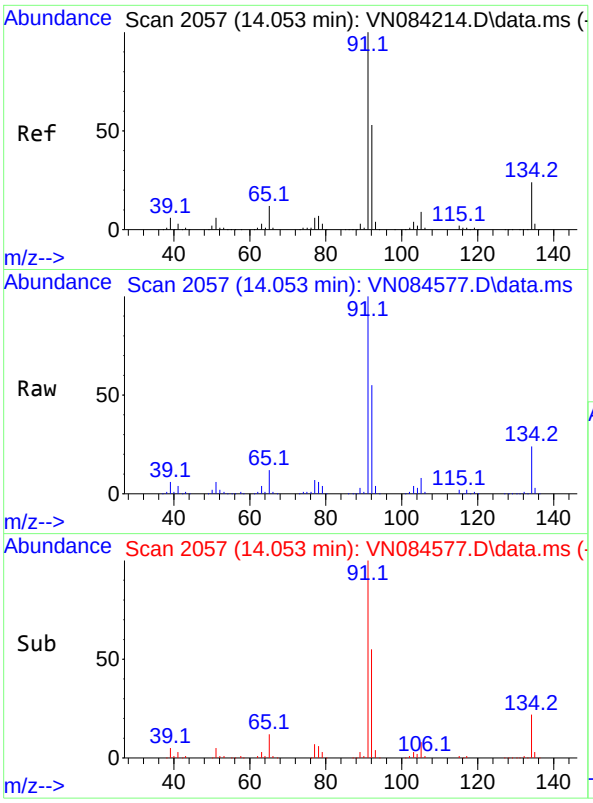


#88
1,4-Dichlorobenzene
Concen: 45.904 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:146 Resp: 221608

Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.2	63.6
148	63.7	31.9	95.9



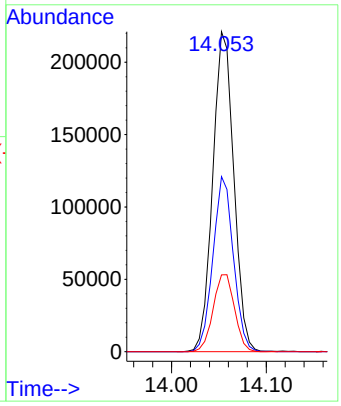


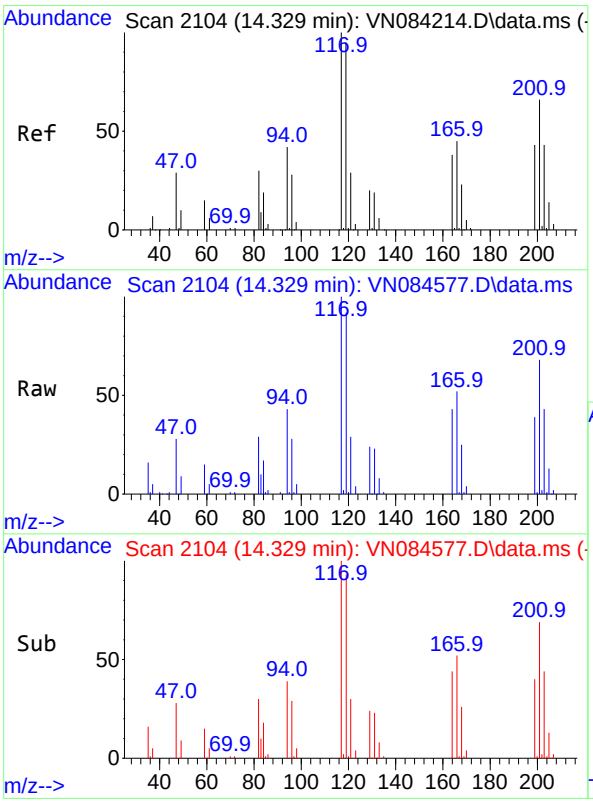
#89
n-Butylbenzene
Concen: 45.941 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 91 Resp: 341775

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.6	79.7
134	24.5	12.3	36.9

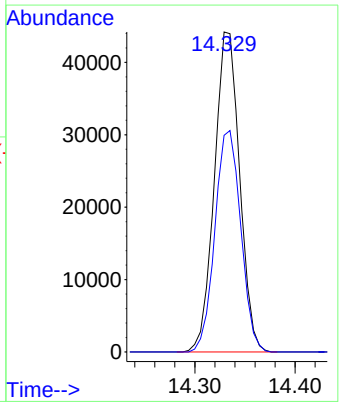


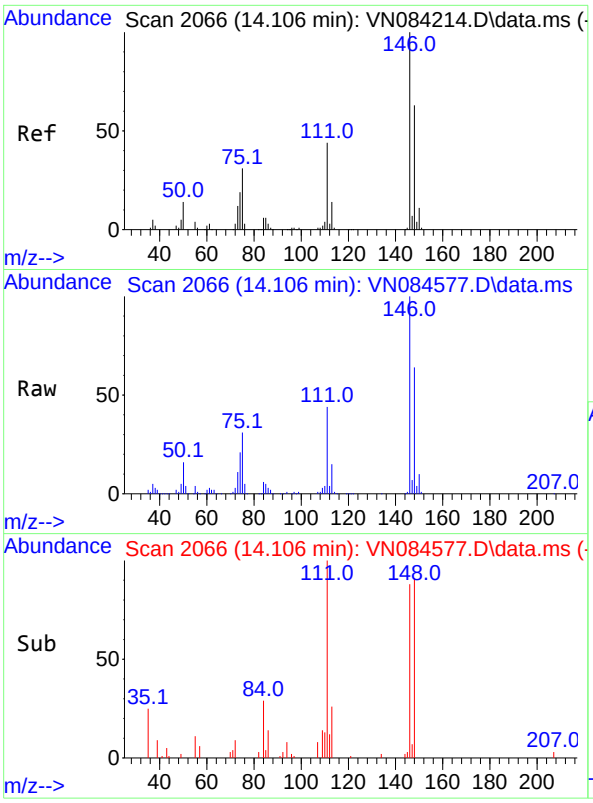


#90
Hexachloroethane
Concen: 43.597 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:117 Resp: 77324

Ion	Ratio	Lower	Upper
117	100		
201	70.8	34.4	103.2



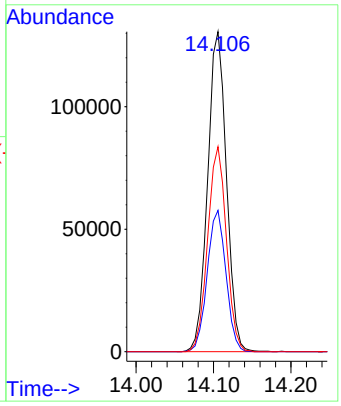


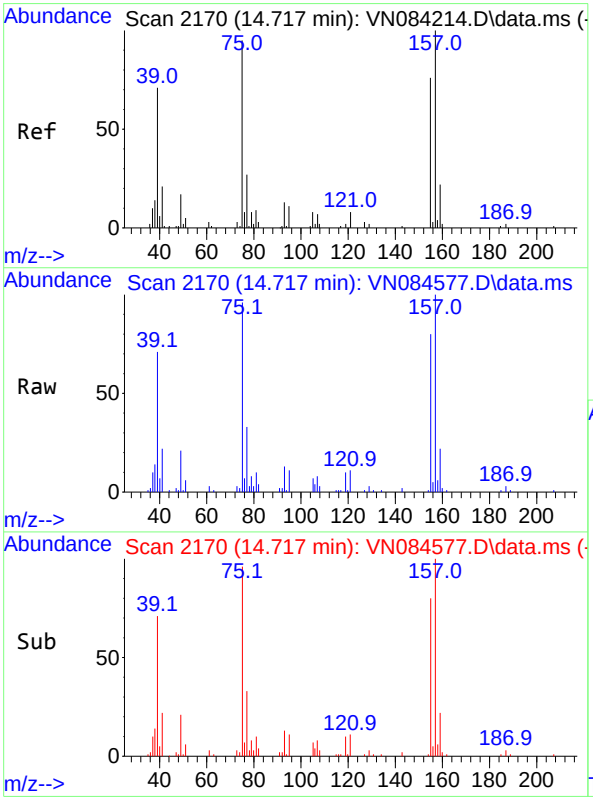
#91
1,2-Dichlorobenzene
Concen: 43.765 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:146 Resp: 220824

Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.0	66.0
148	63.8	32.1	96.3

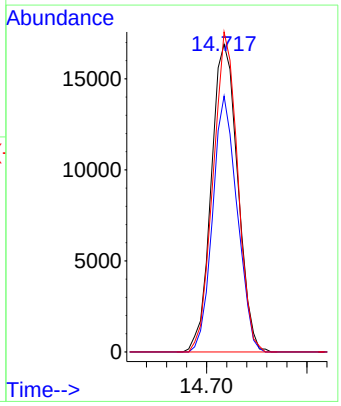


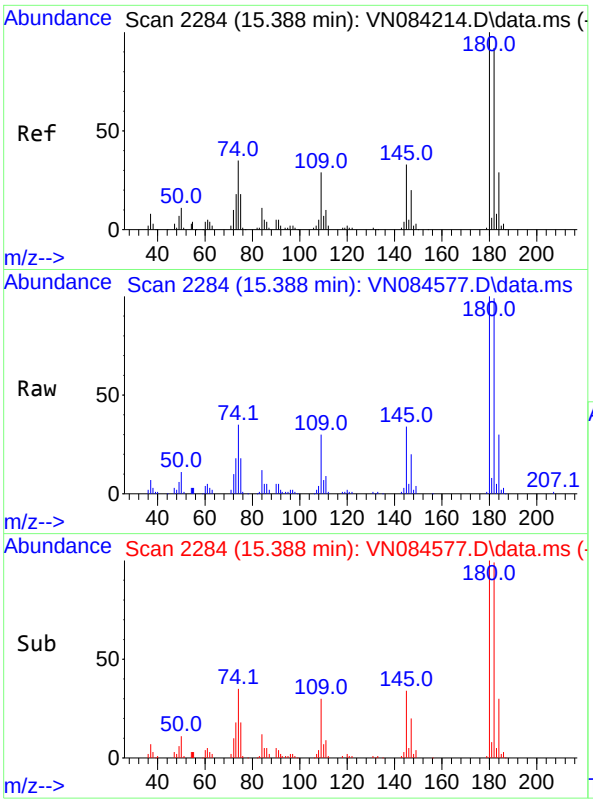


#92
1,2-Dibromo-3-Chloropropane
Concen: 45.651 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 75 Resp: 30895

Ion	Ratio	Lower	Upper
75	100		
155	77.1	38.1	114.5
157	96.4	49.6	149.0



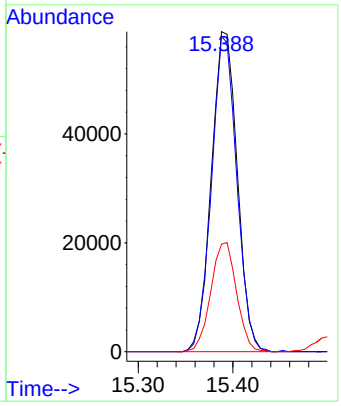


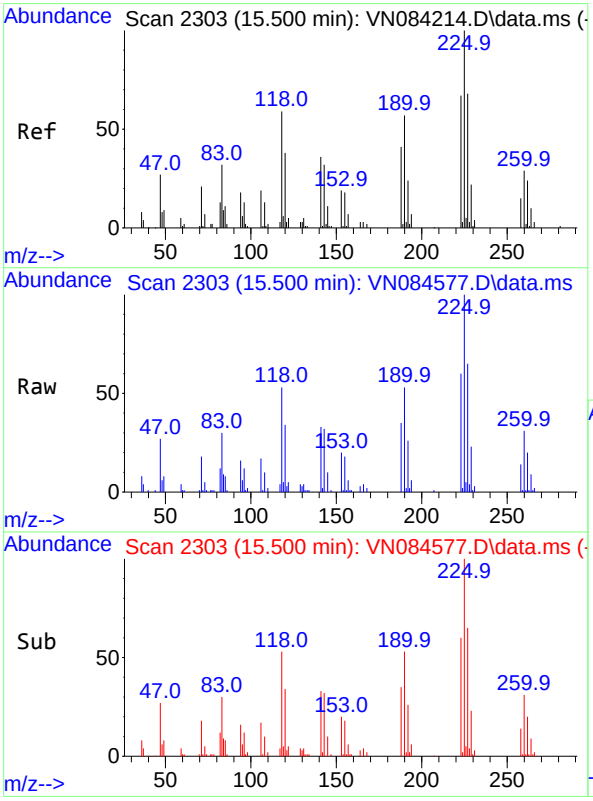
#93
1,2,4-Trichlorobenzene
Concen: 40.290 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:180 Resp: 111270

Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.0	141.0
145	34.0	16.4	49.4

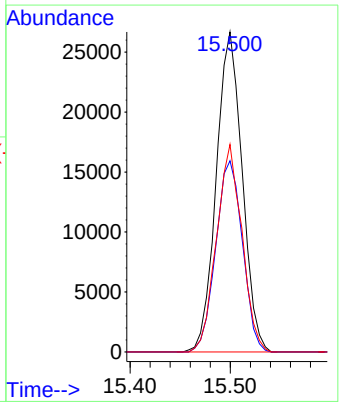


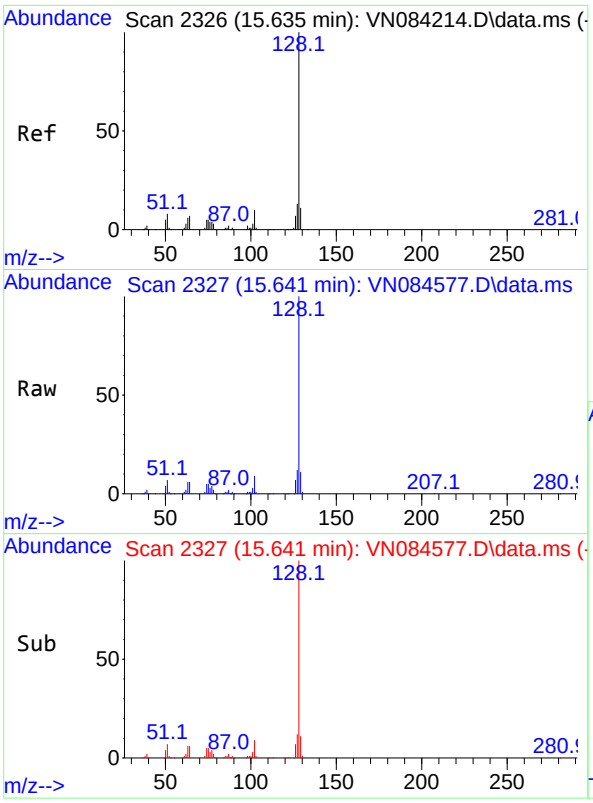


#94
Hexachlorobutadiene
Concen: 39.544 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:225 Resp: 47959

Ion	Ratio	Lower	Upper
225	100		
223	61.4	32.4	97.2
227	63.6	32.4	97.0



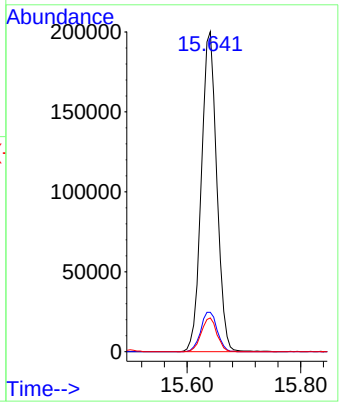


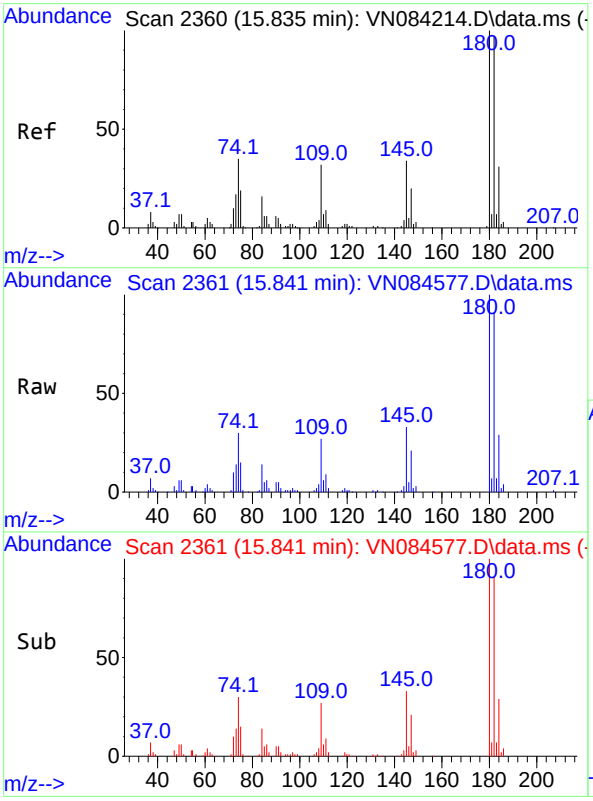
#95
Naphthalene
Concen: 45.408 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:128 Resp: 375360

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.7	8.7	13.1

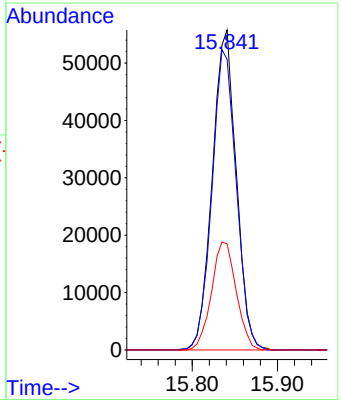




#96
1,2,3-Trichlorobenzene
Concen: 40.595 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:180 Resp: 108830

Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.2	144.6
145	35.0	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084884.D
Acq On : 17 Nov 2024 10:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Nov 18 00:14:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	147052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	233847	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	206028	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110342	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	104486	49.195	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.380%			
35) Dibromofluoromethane	8.159	113	80892	51.105	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.200%			
50) Toluene-d8	10.565	98	298125	51.130	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.260%			
62) 4-Bromofluorobenzene	12.847	95	115235	52.881	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	85642	50.662	ug/l	97
3) Chloromethane	2.359	50	105273	53.234	ug/l	97
4) Vinyl Chloride	2.512	62	104856	57.670	ug/l	98
5) Bromomethane	2.906	94	56153	58.290	ug/l	98
6) Chloroethane	3.077	64	68316	61.006	ug/l	93
7) Trichlorofluoromethane	3.477	101	182167	60.822	ug/l	99
8) Diethyl Ether	3.953	74	54444	51.530	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.359	101	92456	54.630	ug/l	98
10) Methyl Iodide	4.577	142	124345	54.974	ug/l	98
11) Tert butyl alcohol	5.542	59	65726	234.440	ug/l	98
12) 1,1-Dichloroethene	4.330	96	84784	50.629	ug/l	97
13) Acrolein	4.171	56	63973	228.835	ug/l	99
14) Allyl chloride	5.018	41	131930	48.579	ug/l	94
15) Acrylonitrile	5.712	53	210561	259.437	ug/l	99
16) Acetone	4.424	43	152067	247.834	ug/l	96
17) Carbon Disulfide	4.700	76	229814	44.563	ug/l	99
18) Methyl Acetate	5.018	43	102414	45.324	ug/l	95
19) Methyl tert-butyl Ether	5.789	73	285182	55.561	ug/l	96
20) Methylene Chloride	5.271	84	96094	51.441	ug/l	91
21) trans-1,2-Dichloroethene	5.777	96	87723	51.015	ug/l	94
22) Diisopropyl ether	6.665	45	274151	50.803	ug/l	95
23) Vinyl Acetate	6.594	43	1001662	269.164	ug/l	96
24) 1,1-Dichloroethane	6.559	63	169917	52.446	ug/l	98
25) 2-Butanone	7.477	43	255483	257.834	ug/l	99
26) 2,2-Dichloropropane	7.483	77	161527	57.282	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	105614	52.601	ug/l	95
28) Bromochloromethane	7.806	49	63288	49.031	ug/l	89
29) Tetrahydrofuran	7.836	42	166134	252.727	ug/l	93
30) Chloroform	7.959	83	181740	55.114	ug/l	99
31) Cyclohexane	8.253	56	141656	48.309	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	166907	55.610	ug/l	96
36) 1,1-Dichloropropene	8.365	75	120640	54.955	ug/l	98
37) Ethyl Acetate	7.553	43	106974	53.709	ug/l	98
38) Carbon Tetrachloride	8.359	117	149719	61.018	ug/l	96
39) Methylcyclohexane	9.594	83	132827	59.477	ug/l	95
40) Benzene	8.600	78	386451	54.816	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084884.D
Acq On : 17 Nov 2024 10:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Nov 18 00:14:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	59774	55.808	ug/l		93
42) 1,2-Dichloroethane	8.665	62	130159	57.008	ug/l		100
43) Isopropyl Acetate	8.683	43	199122	54.197	ug/l		97
44) Trichloroethene	9.347	130	89234	54.883	ug/l		96
45) 1,2-Dichloropropane	9.618	63	92152	55.722	ug/l		96
46) Dibromomethane	9.706	93	65896	56.468	ug/l		95
47) Bromodichloromethane	9.882	83	141085	57.355	ug/l	#	99
48) Methyl methacrylate	9.677	41	86548	55.834	ug/l		96
49) 1,4-Dioxane	9.694	88	29425	1071.216	ug/l	#	81
51) 4-Methyl-2-Pentanone	10.441	43	538388	283.555	ug/l		97
52) Toluene	10.629	92	239806	58.161	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	139427	54.758	ug/l		96
54) cis-1,3-Dichloropropene	10.306	75	152643	56.641	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	89581	57.678	ug/l		97
56) Ethyl methacrylate	10.871	69	135889	60.488	ug/l		94
57) 1,3-Dichloropropane	11.159	76	150590	56.495	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	324802	308.972	ug/l		95
59) 2-Hexanone	11.194	43	411111	297.467	ug/l		97
60) Dibromochloromethane	11.353	129	107918	60.967	ug/l		100
61) 1,2-Dibromoethane	11.465	107	88131	55.412	ug/l		99
64) Tetrachloroethene	11.100	164	78342	57.166	ug/l		97
65) Chlorobenzene	11.888	112	249886	54.214	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	94720	59.081	ug/l		99
67) Ethyl Benzene	11.959	91	447730	58.194	ug/l		100
68) m/p-Xylenes	12.065	106	344419	118.244	ug/l		99
69) o-Xylene	12.394	106	163698	60.076	ug/l		99
70) Styrene	12.406	104	278820	58.658	ug/l		99
71) Bromoform	12.576	173	72226	59.870	ug/l	#	97
73) Isopropylbenzene	12.694	105	425803	55.067	ug/l		100
74) N-amyl acetate	12.494	43	161800	49.163	ug/l		94
75) 1,1,2,2-Tetrachloroethane	12.935	83	127059	49.228	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	170108	77.123	ug/l		60
77) Bromobenzene	12.976	156	105138	50.578	ug/l		94
78) n-propylbenzene	13.029	91	494615	54.586	ug/l		99
79) 2-Chlorotoluene	13.123	91	312472	52.777	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	375218	58.547	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	45130	48.541	ug/l		96
82) 4-Chlorotoluene	13.218	91	313997	50.394	ug/l		98
83) tert-Butylbenzene	13.435	119	306116	57.713	ug/l		96
84) 1,2,4-Trimethylbenzene	13.482	105	376891	56.979	ug/l		99
85) sec-Butylbenzene	13.612	105	425039	56.730	ug/l		99
86) p-Isopropyltoluene	13.729	119	364391	59.302	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	194204	47.871	ug/l		99
88) 1,4-Dichlorobenzene	13.806	146	194472	52.363	ug/l		99
89) n-Butylbenzene	14.053	91	296231	51.538	ug/l		99
90) Hexachloroethane	14.329	117	70031	51.106	ug/l		95
91) 1,2-Dichlorobenzene	14.106	146	192828	49.464	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	25094	47.992	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	95193	44.613	ug/l		98
94) Hexachlorobutadiene	15.500	225	46712	49.852	ug/l		100
95) Naphthalene	15.635	128	296724	46.460	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	96931	46.798	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084884.D
Acq On : 17 Nov 2024 10:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Nov 18 00:14:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

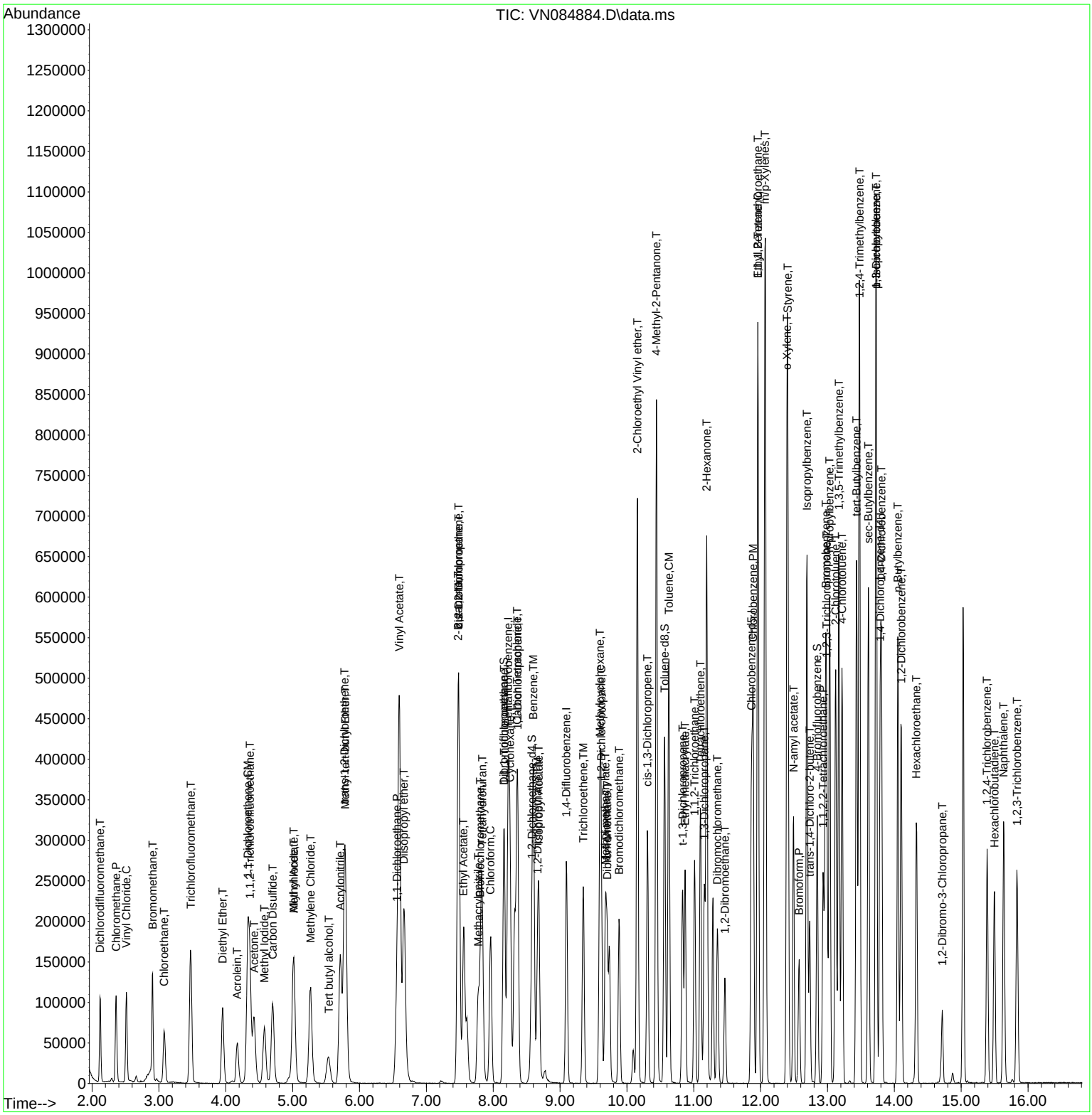
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

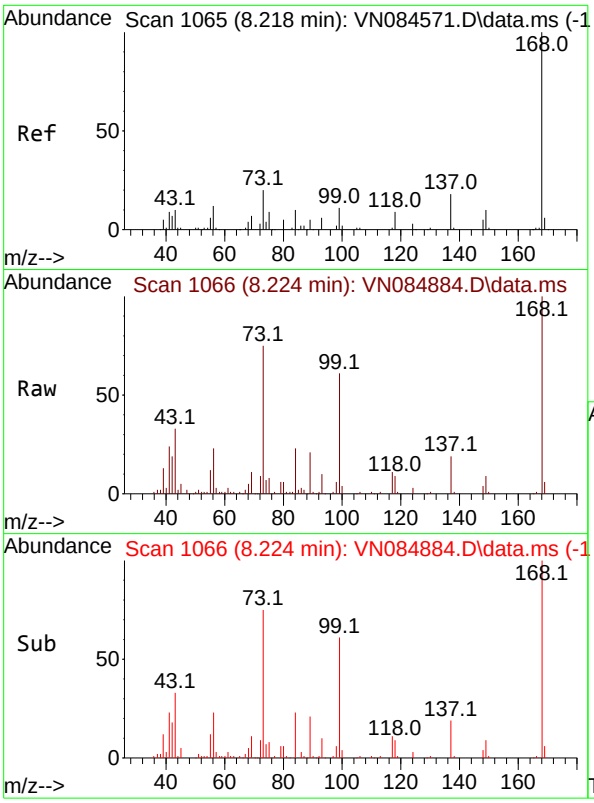
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084884.D
Acq On : 17 Nov 2024 10:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Nov 18 00:14:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



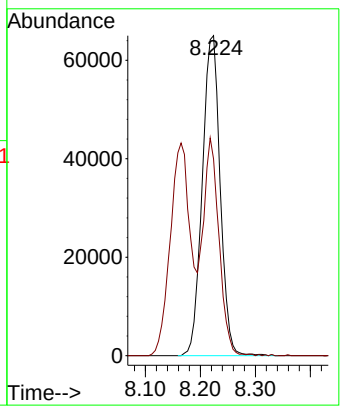


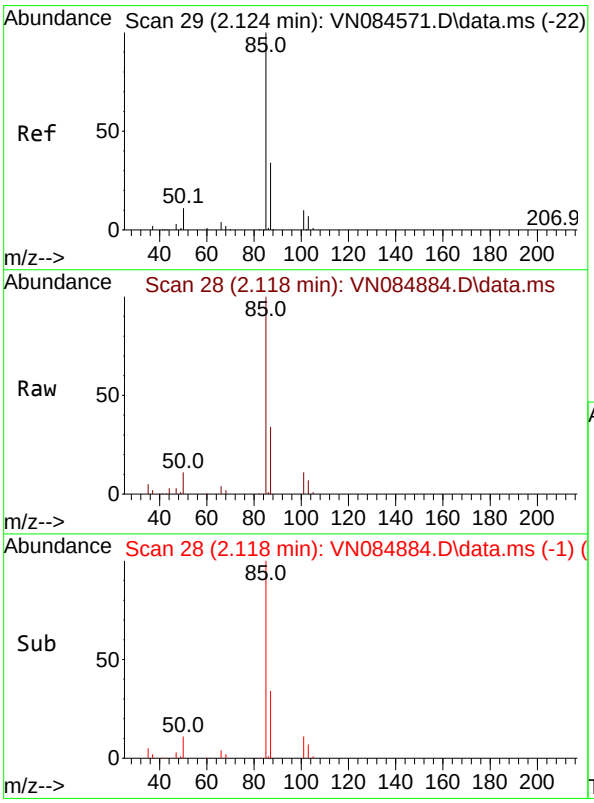
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 147052

Ion	Ratio	Lower	Upper
168	100		
99	61.5	54.2	81.2

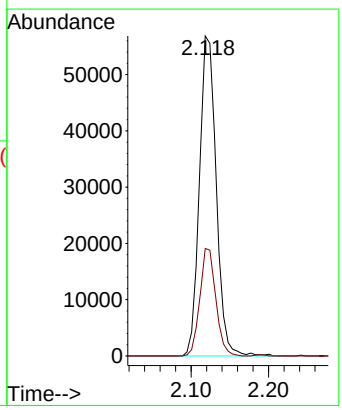


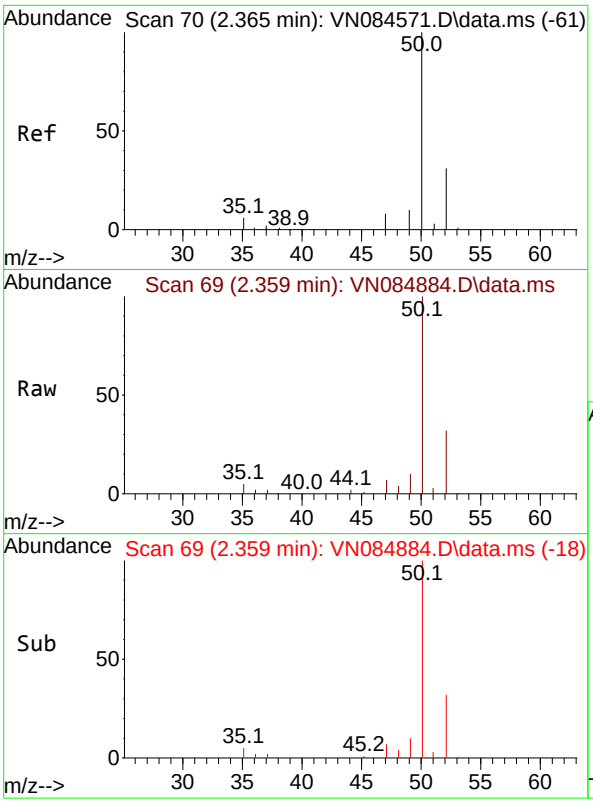


#2
Dichlorodifluoromethane
Concen: 50.662 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 85 Resp: 85642

Ion	Ratio	Lower	Upper
85	100		
87	33.6	17.6	52.9



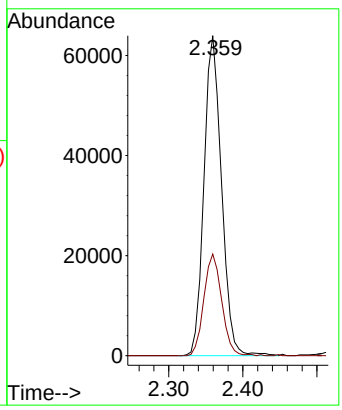


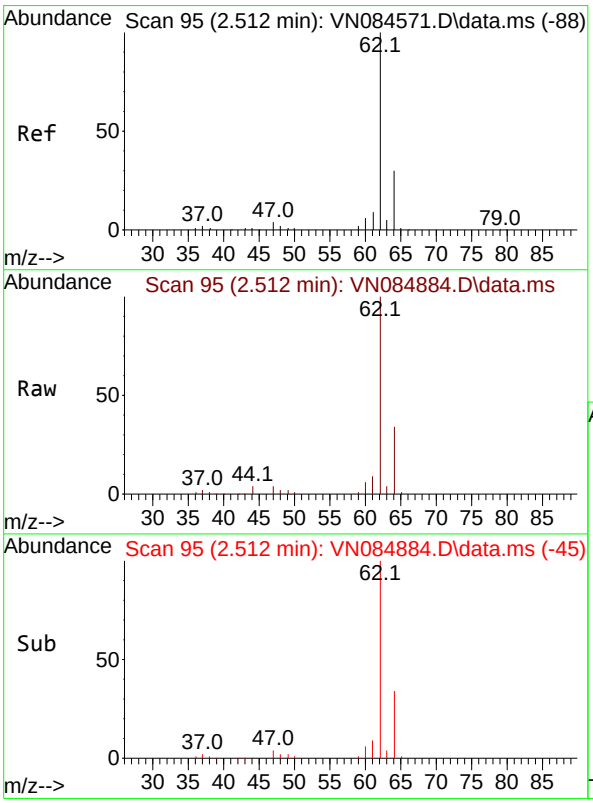
#3
Chloromethane
Concen: 53.234 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 105273

Ion	Ratio	Lower	Upper
50	100		
52	31.8	26.8	40.2

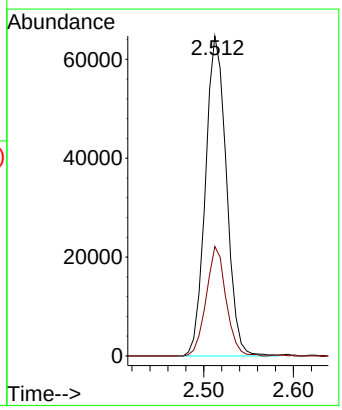


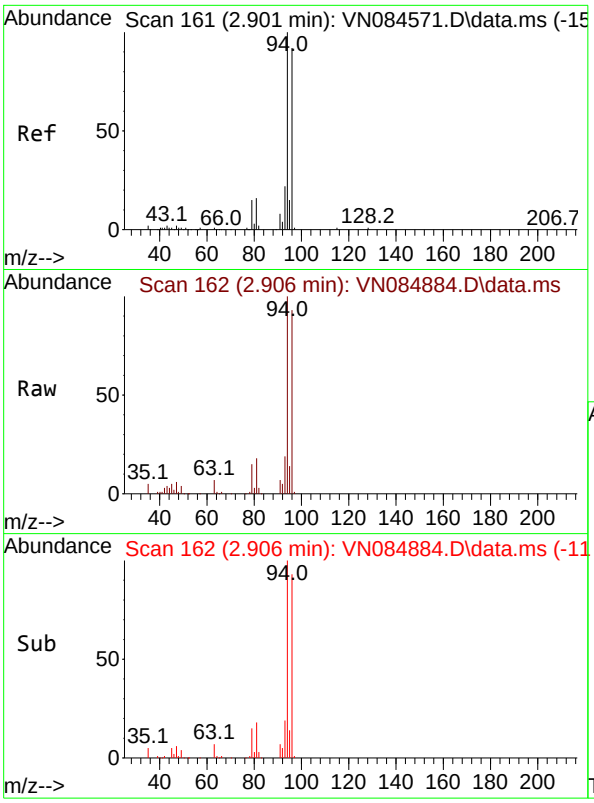


#4
Vinyl Chloride
Concen: 57.670 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 62 Resp: 104856

Ion	Ratio	Lower	Upper
62	100		
64	34.2	26.2	39.4



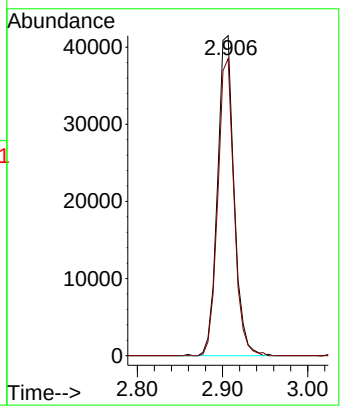


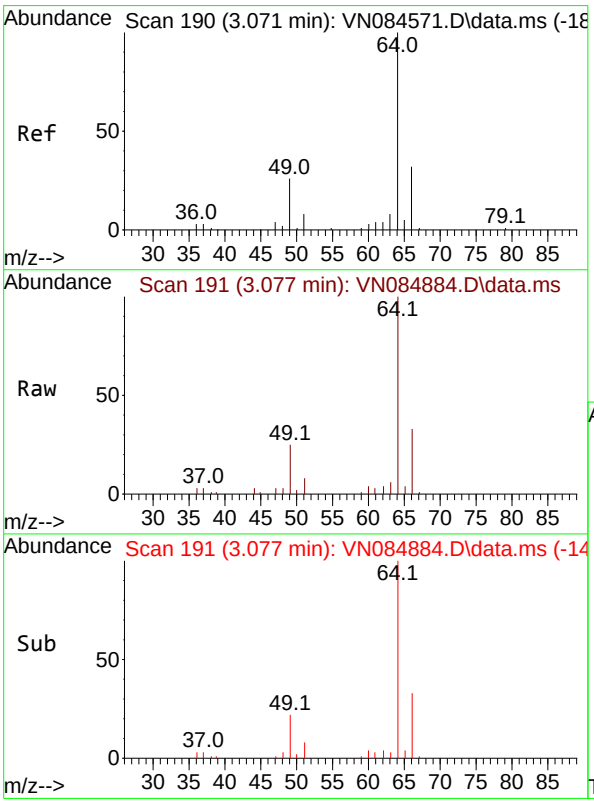
#5
Bromomethane
Concen: 58.290 ug/l
RT: 2.906 min Scan# 1
Delta R.T. -0.047 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 56153

Ion	Ratio	Lower	Upper
94	100		
96	92.8	72.9	109.3

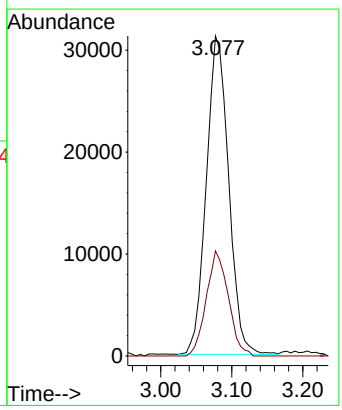


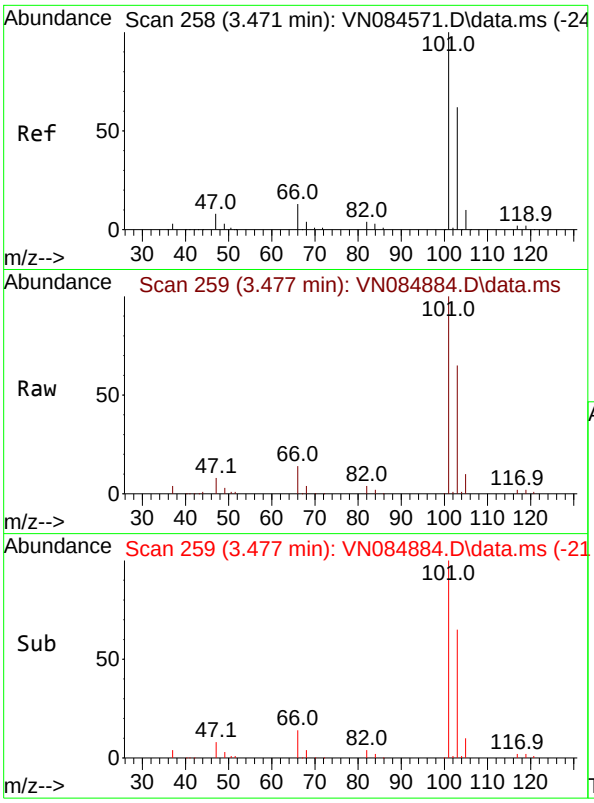


#6
Chloroethane
Concen: 61.006 ug/l
RT: 3.077 min Scan# 191
Delta R.T. -0.041 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 64 Resp: 68316

Ion	Ratio	Lower	Upper
64	100		
66	33.0	23.5	35.3



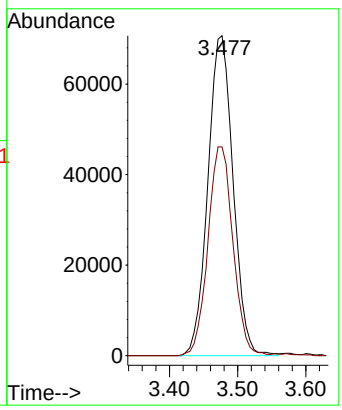


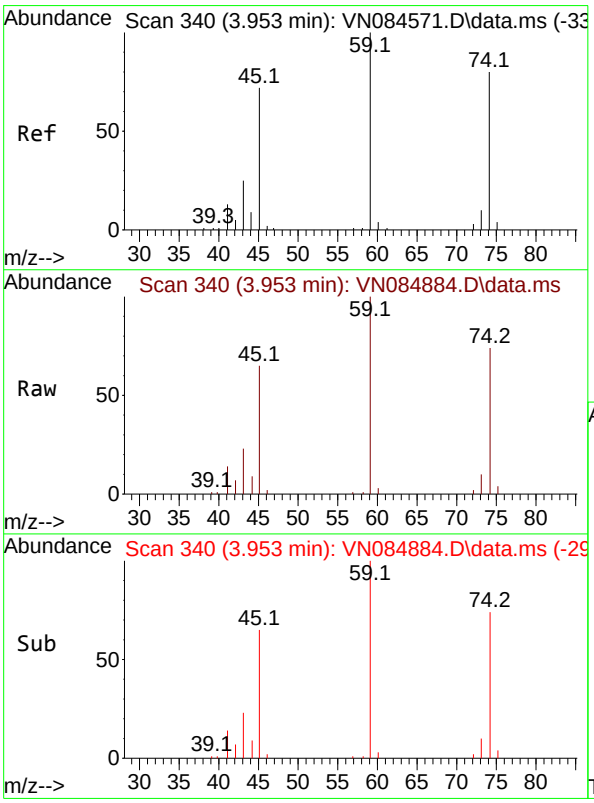
#7
Trichlorofluoromethane
Concen: 60.822 ug/l
RT: 3.477 min Scan# 2
Delta R.T. -0.018 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 182167

Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.8	77.6

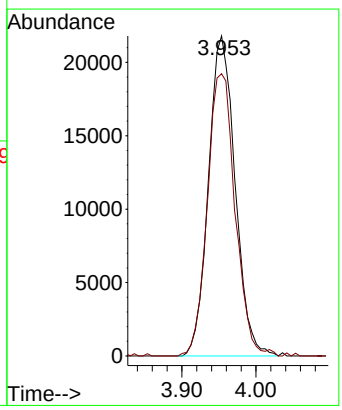


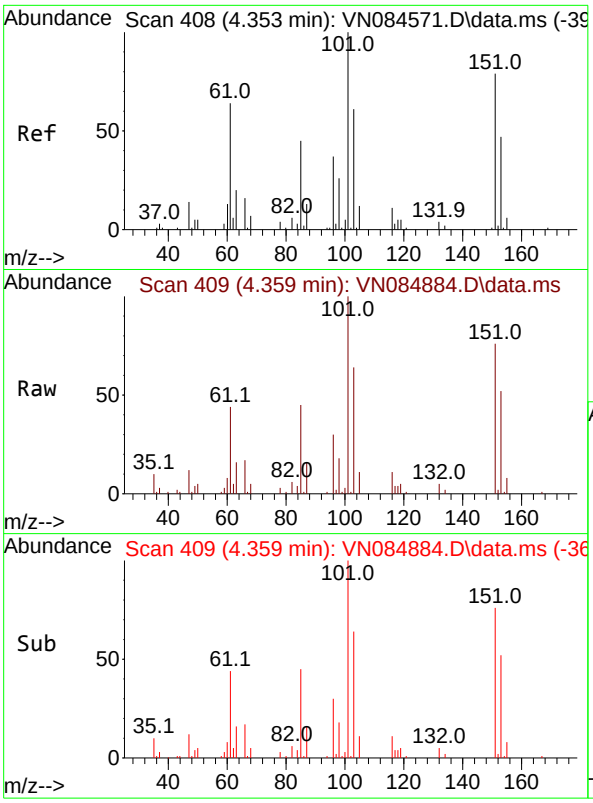


#8
Diethyl Ether
Concen: 51.530 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 74 Resp: 54444

Ion	Ratio	Lower	Upper
74	100		
45	91.9	47.7	143.1



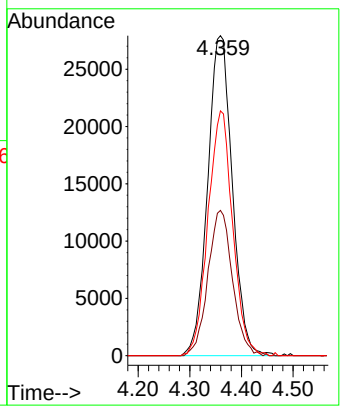


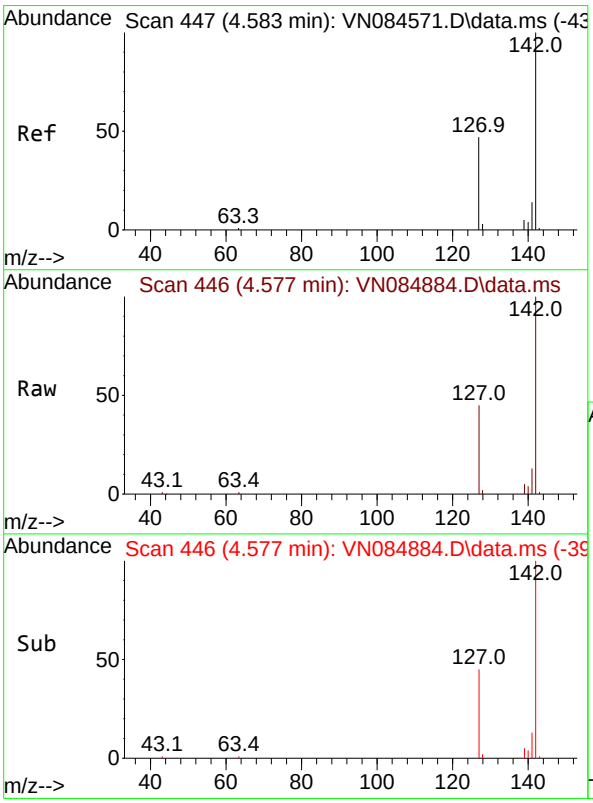
#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.630 ug/l
RT: 4.359 min Scan# 4(
Delta R.T. -0.012 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 92456

Ion	Ratio	Lower	Upper
101	100		
85	45.2	36.2	54.4
151	76.6	59.3	88.9

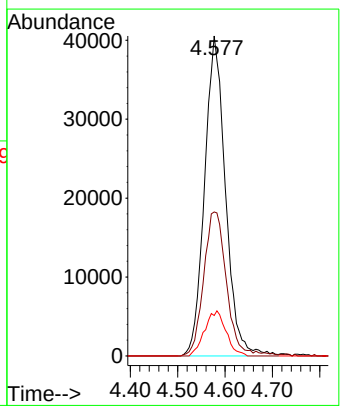


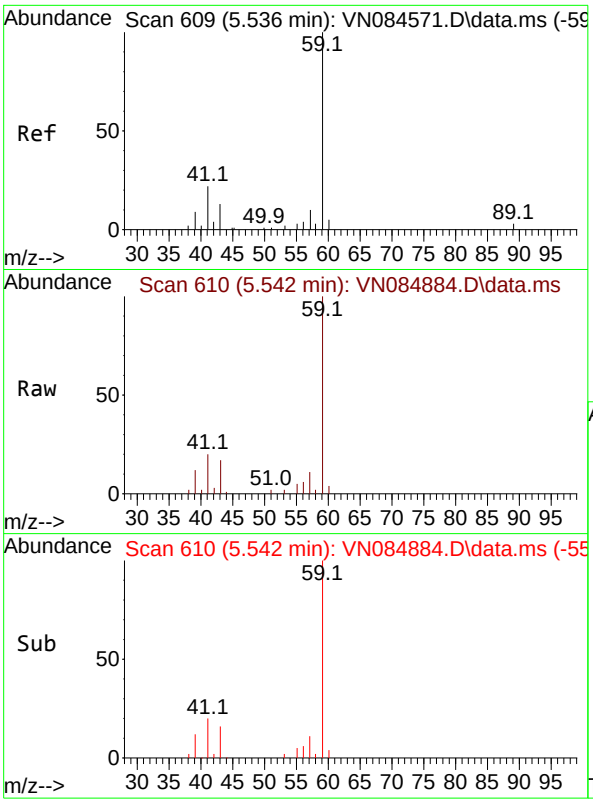


#10
Methyl Iodide
Concen: 54.974 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:142 Resp: 124345

Ion	Ratio	Lower	Upper
142	100		
127	45.0	35.3	52.9
141	12.6	11.0	16.6



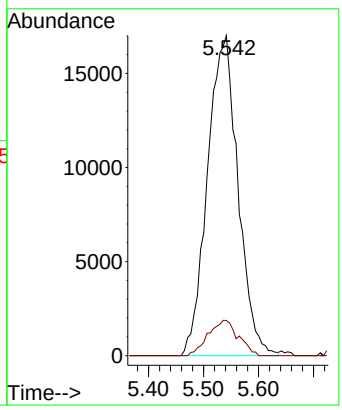


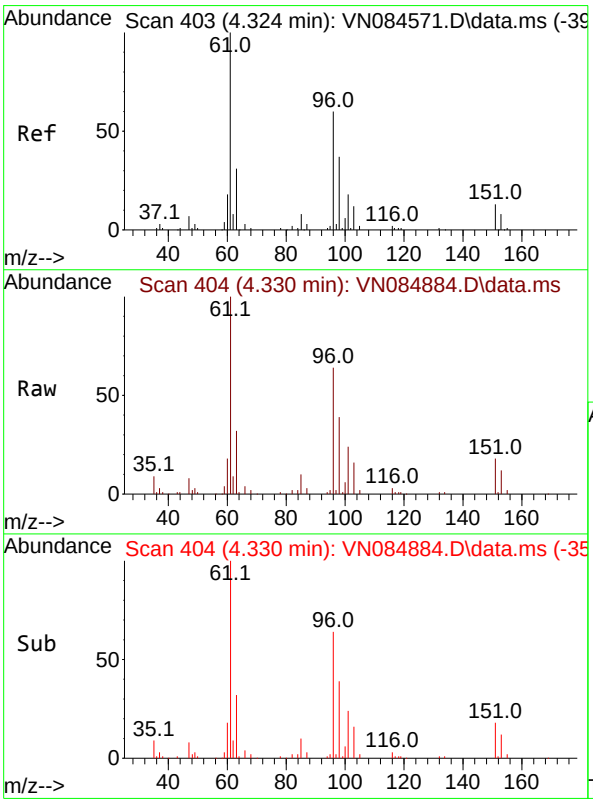
#11
Tert butyl alcohol
Concen: 234.440 ug/l
RT: 5.542 min Scan# 61
Delta R.T. 0.018 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 65726

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.2	12.2

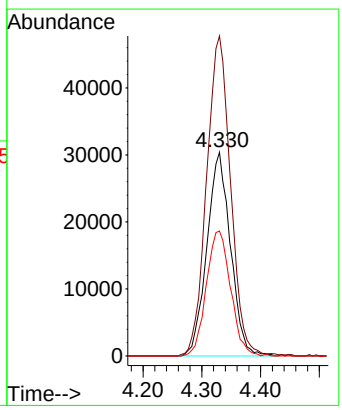


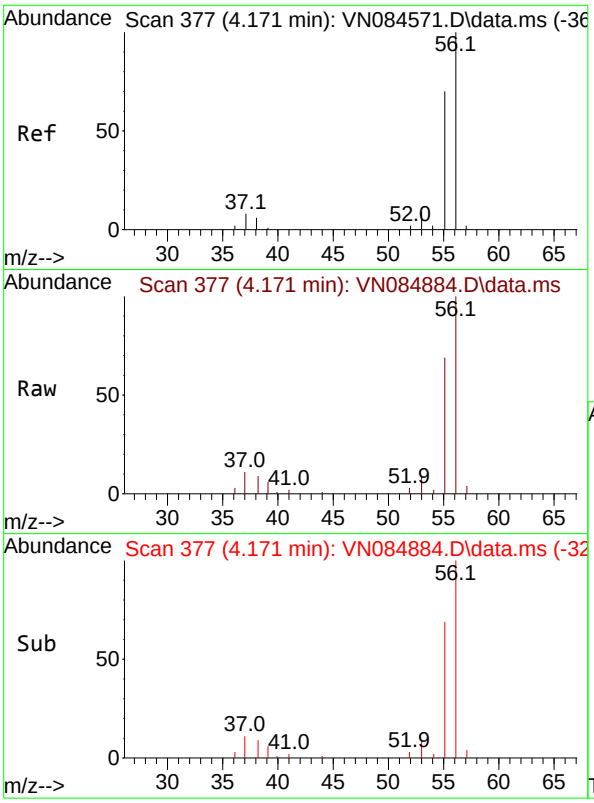


#12
1,1-Dichloroethene
Concen: 50.629 ug/l
RT: 4.330 min Scan# 404
Delta R.T. -0.012 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 96 Resp: 84784

Ion	Ratio	Lower	Upper
96	100		
61	157.2	128.6	192.8
98	61.3	51.7	77.5



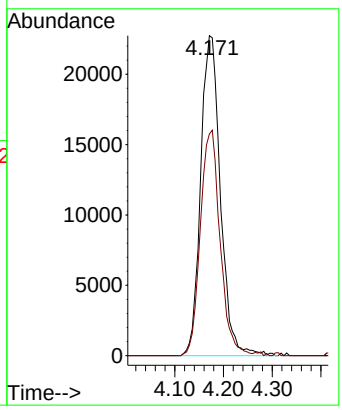


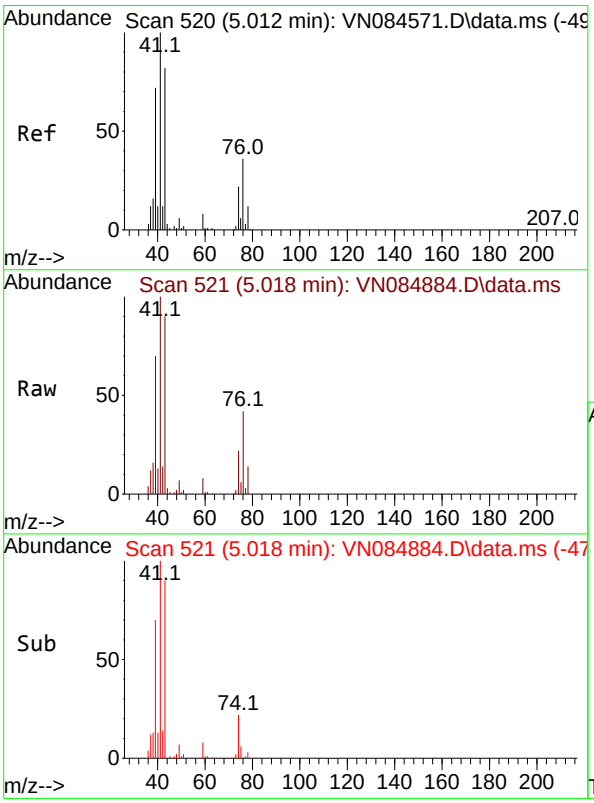
#13
Acrolein
Concen: 228.835 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 63973

Ion	Ratio	Lower	Upper
56	100		
55	70.4	57.2	85.8

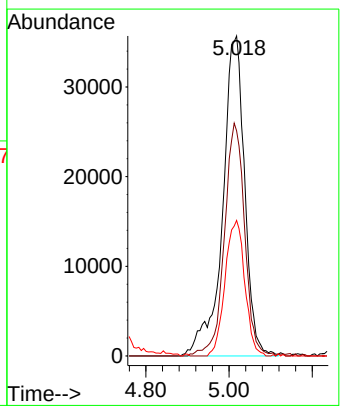


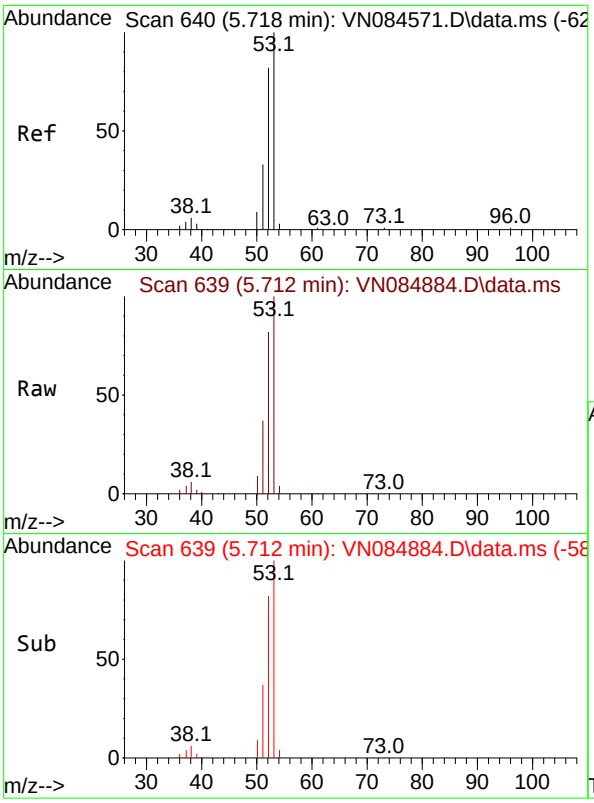


#14
Allyl chloride
Concen: 48.579 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 41 Resp: 131930

Ion	Ratio	Lower	Upper
41	100		
39	66.5	59.0	88.6
76	37.7	29.8	44.6



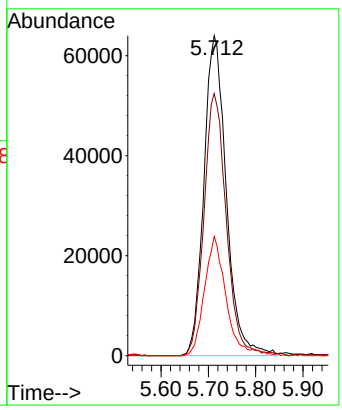


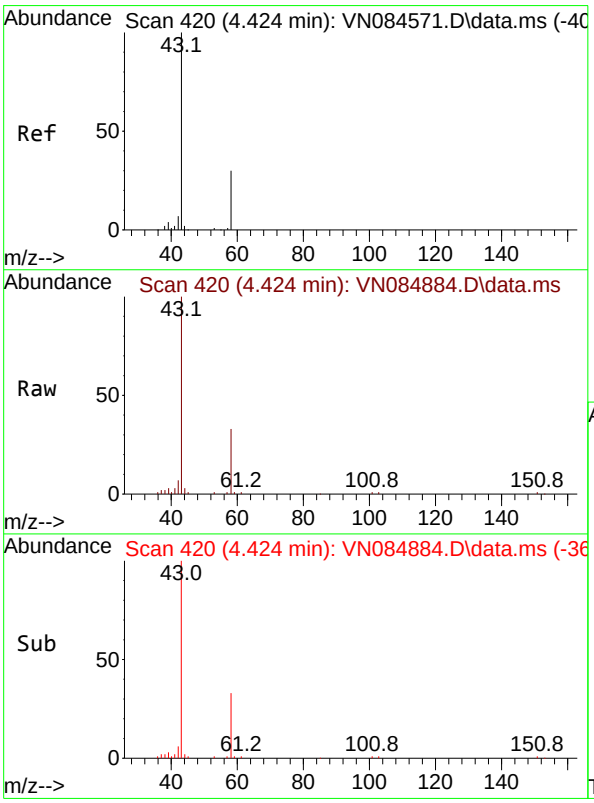
#15
Acrylonitrile
Concen: 259.437 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 210561

Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.2	99.4
51	34.8	28.8	43.2

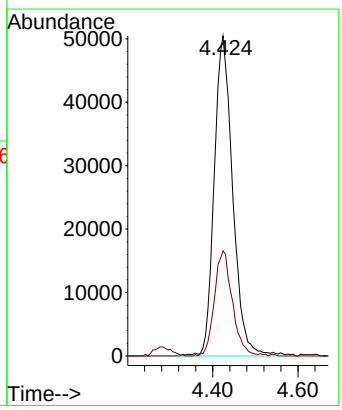


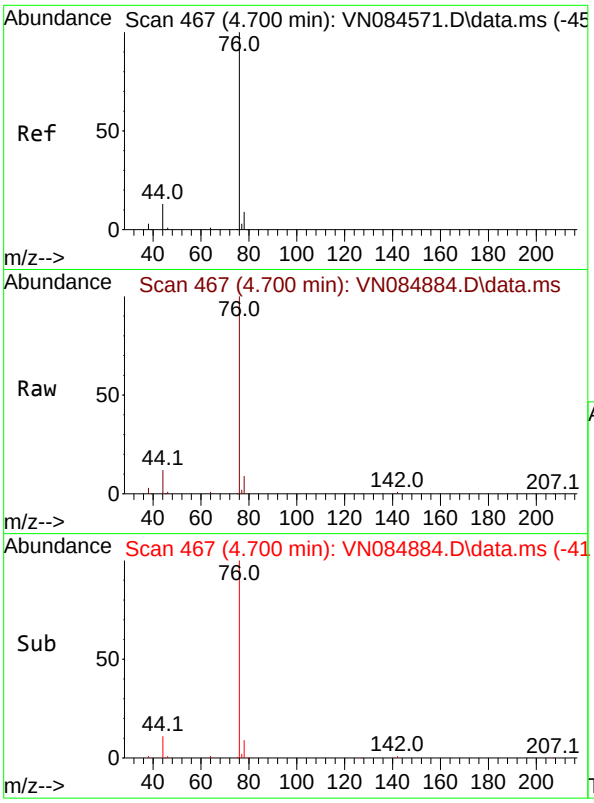


#16
Acetone
Concen: 247.834 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 43 Resp: 152067

Ion	Ratio	Lower	Upper
43	100		
58	32.9	24.4	36.6



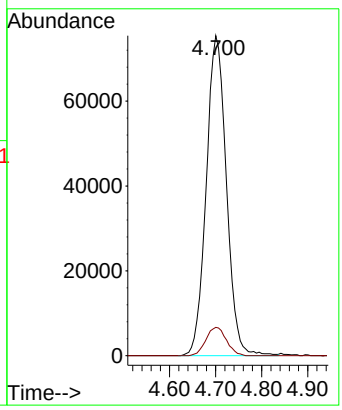


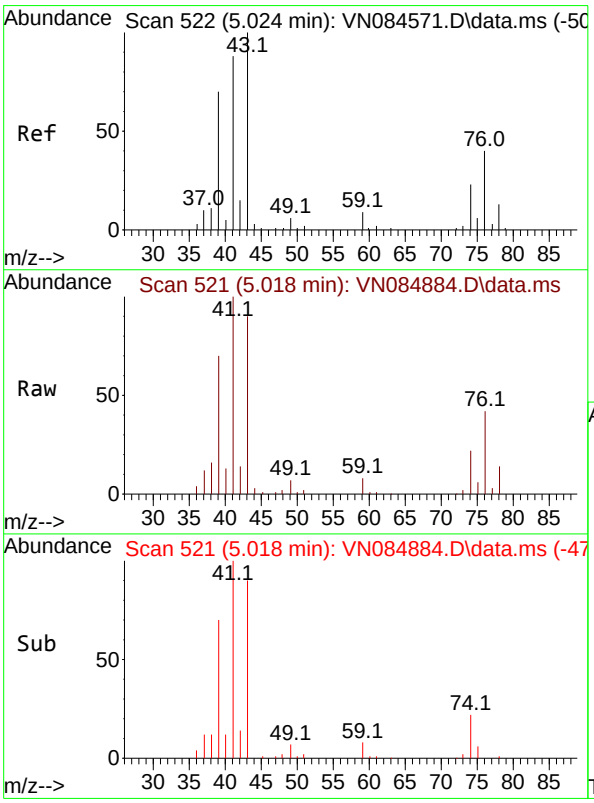
#17
Carbon Disulfide
Concen: 44.563 ug/l
RT: 4.700 min Scan# 4
Delta R.T. -0.012 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 229814

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

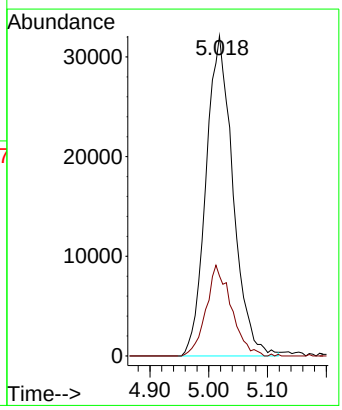


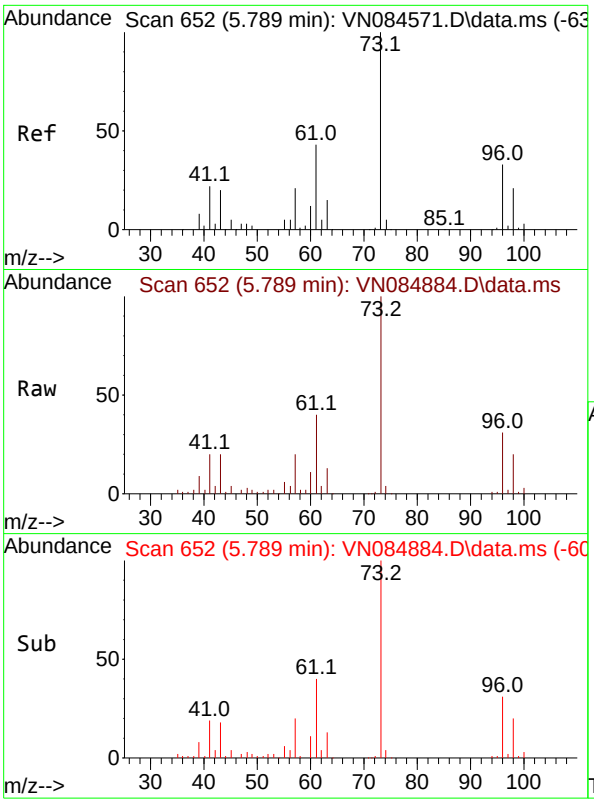


#18
Methyl Acetate
Concen: 45.324 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 43 Resp: 102414

Ion	Ratio	Lower	Upper
43	100		
74	26.6	19.2	28.8



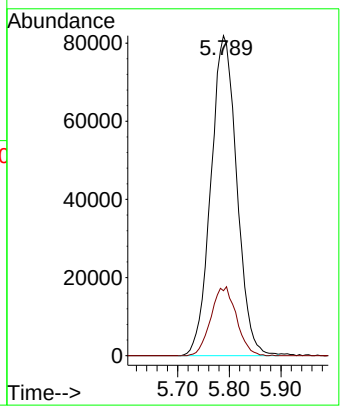


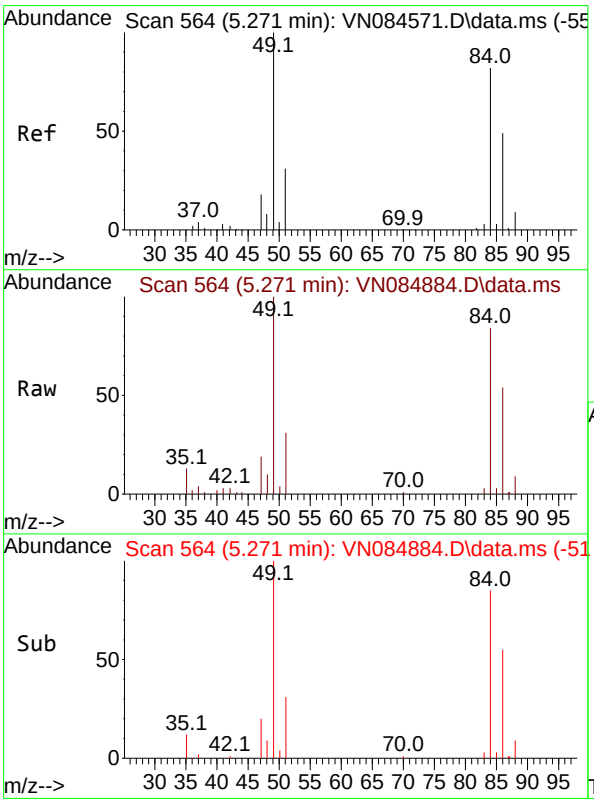
#19
Methyl tert-butyl Ether
Concen: 55.561 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 285182

Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.7	26.5

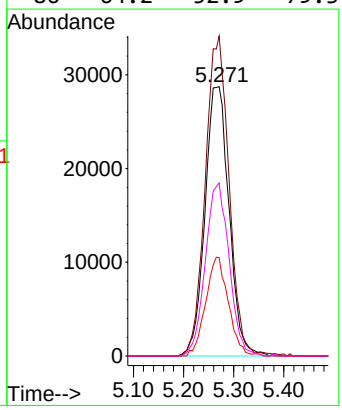


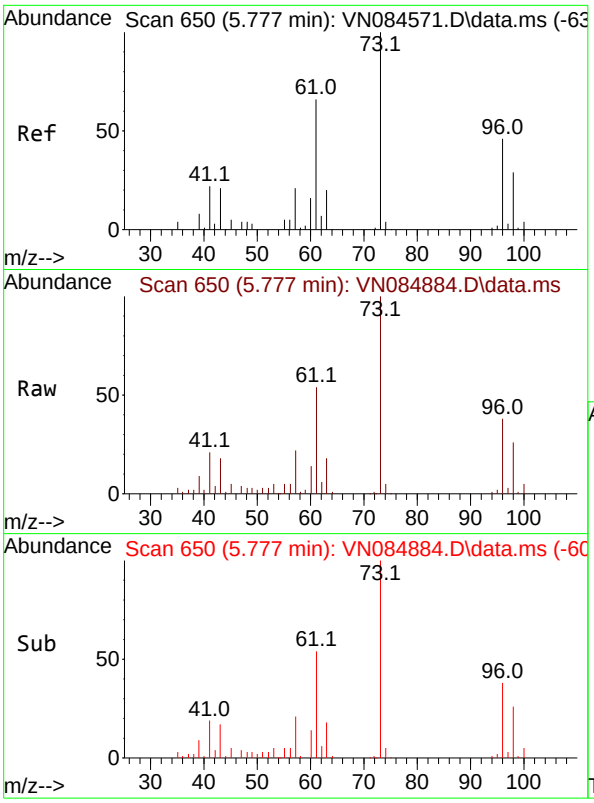


#20
Methylene Chloride
Concen: 51.441 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 84 Resp: 96094

Ion	Ratio	Lower	Upper
84	100		
49	118.8	107.2	160.8
51	36.5	31.8	47.8
86	64.2	52.9	79.3



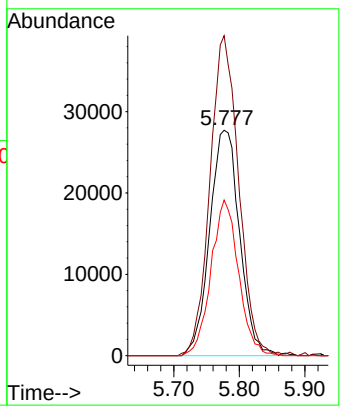


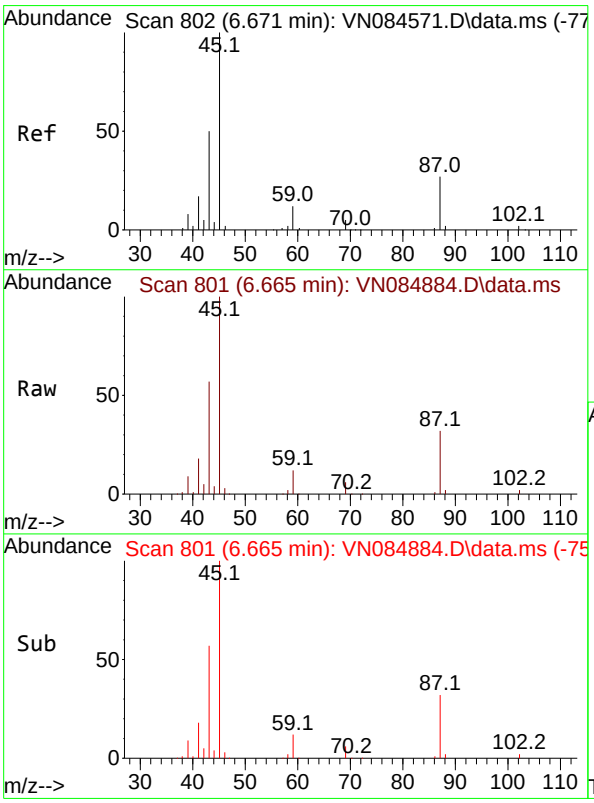
#21
trans-1,2-Dichloroethene
Concen: 51.015 ug/l
RT: 5.777 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 87723

Ion	Ratio	Lower	Upper
96	100		
61	141.9	108.4	162.6
98	69.0	49.8	74.8

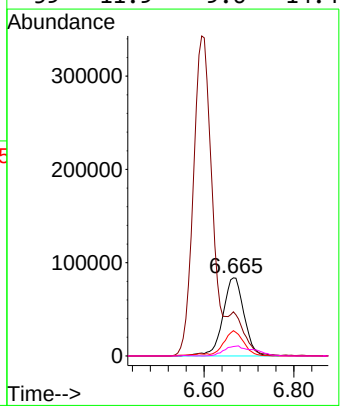


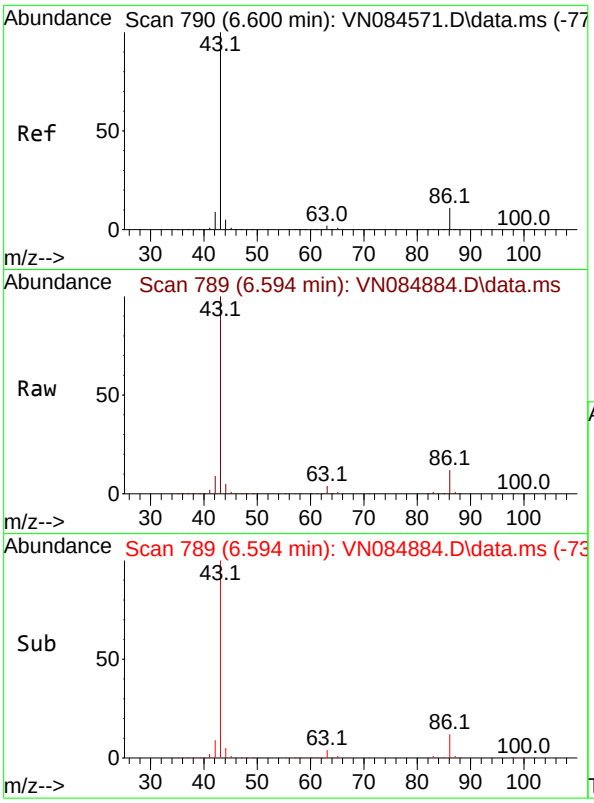


#22
Diisopropyl ether
Concen: 50.803 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 45 Resp: 274151

Ion	Ratio	Lower	Upper
45	100		
43	55.5	42.3	63.5
87	32.2	21.8	32.6
59	11.9	9.6	14.4



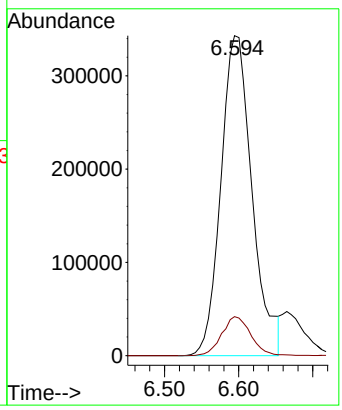


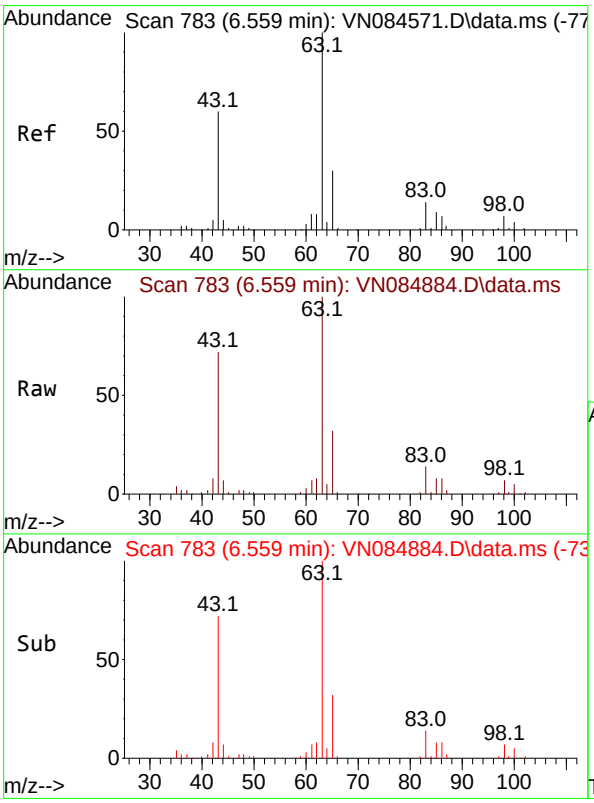
#23
Vinyl Acetate
Concen: 269.164 ug/l
RT: 6.594 min Scan# 7
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1001662

Ion	Ratio	Lower	Upper
43	100		
86	12.2	8.6	12.8

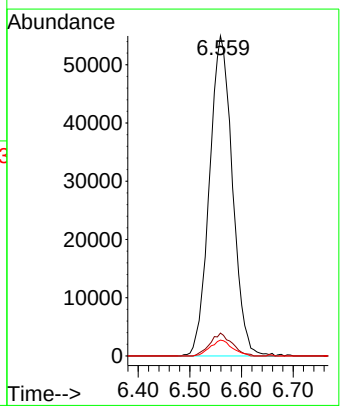


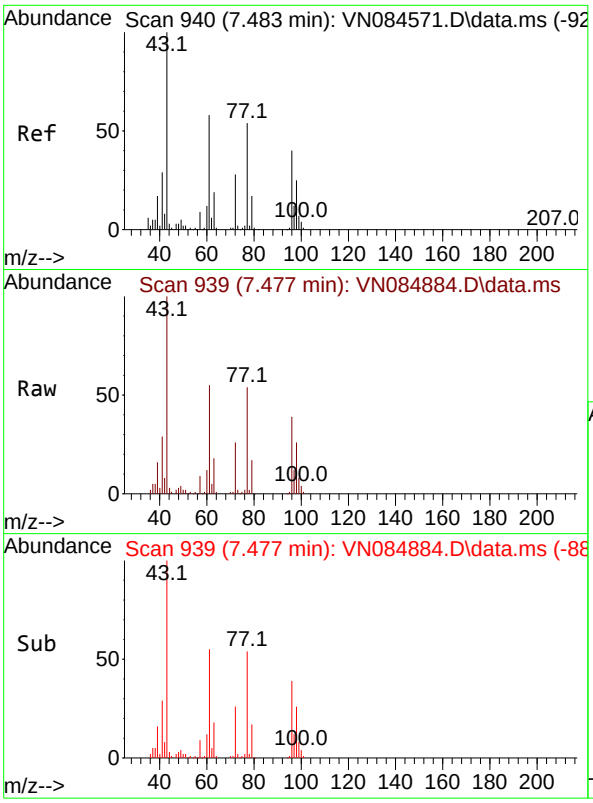


#24
1,1-Dichloroethane
Concen: 52.446 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 63 Resp: 169917

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.4	10.2
100	5.0	2.0	5.8



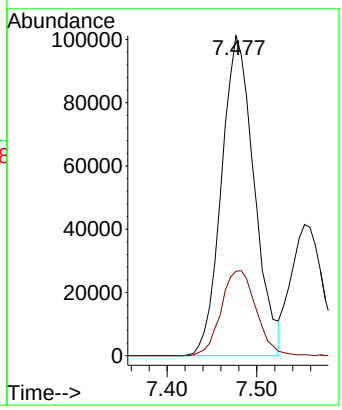


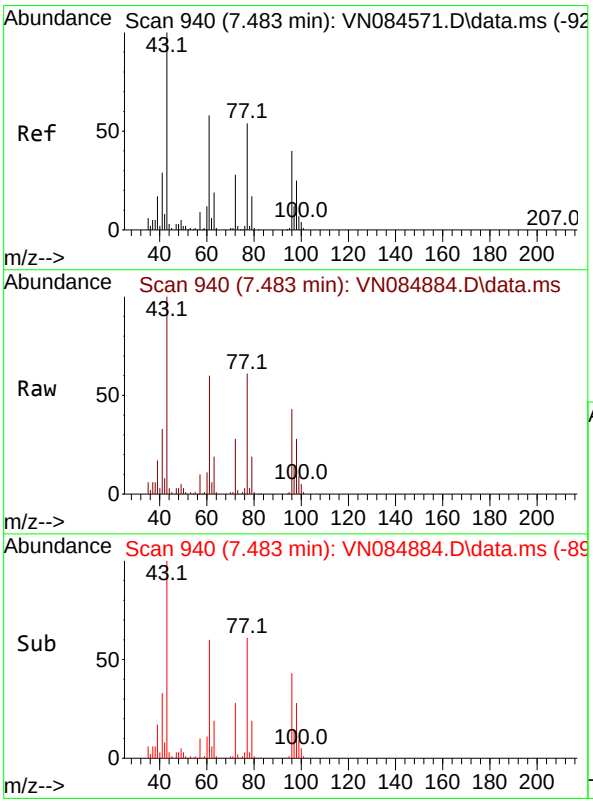
#25
2-Butanone
Concen: 257.834 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 255483

Ion	Ratio	Lower	Upper
43	100		
72	26.4	21.4	32.2

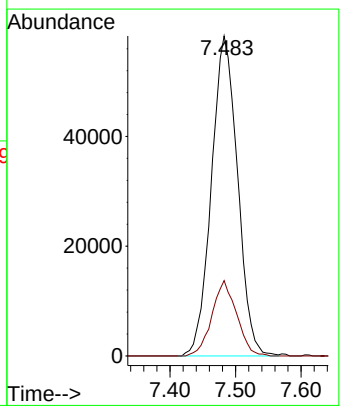


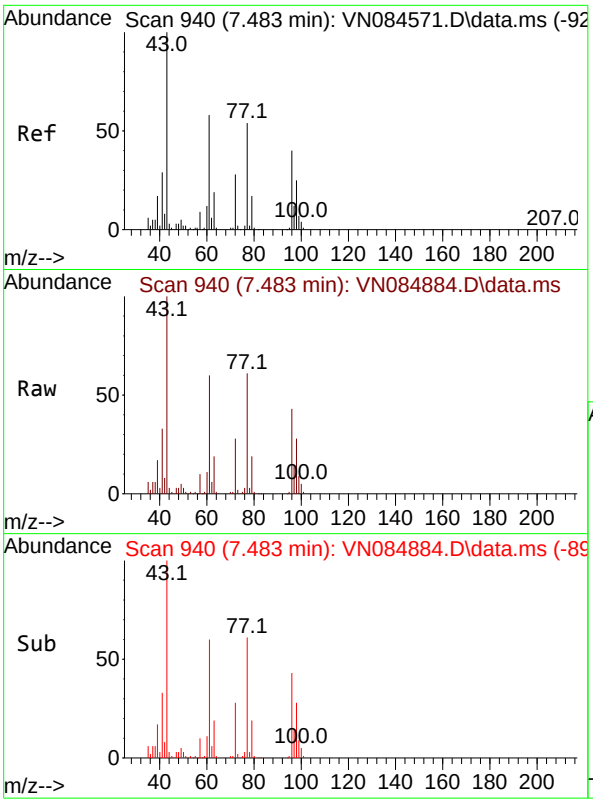


#26
2,2-Dichloropropane
Concen: 57.282 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 77 Resp: 161527

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.8	32.3



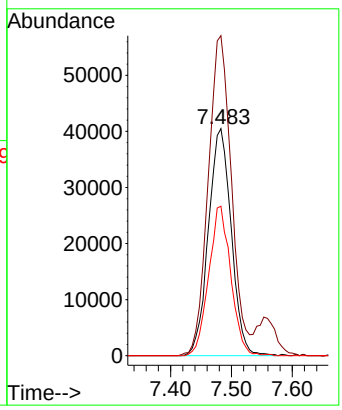


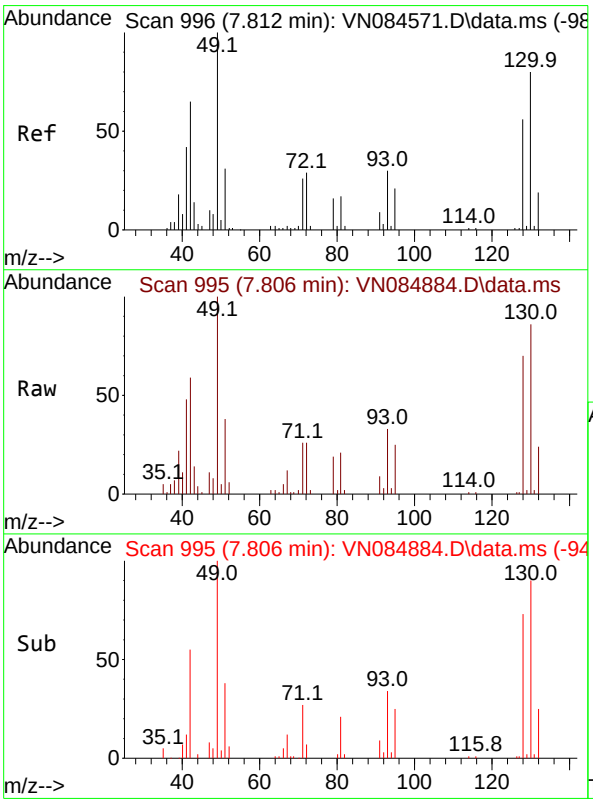
#27
cis-1,2-Dichloroethene
Concen: 52.601 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 105614

Ion	Ratio	Lower	Upper
96	100		
61	142.7	0.0	301.8
98	63.6	0.0	128.2

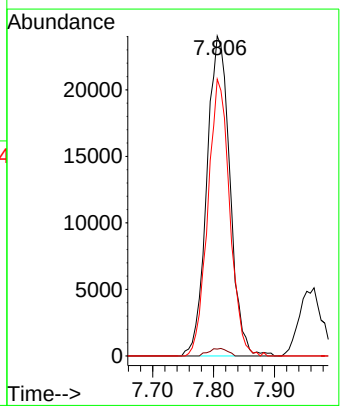


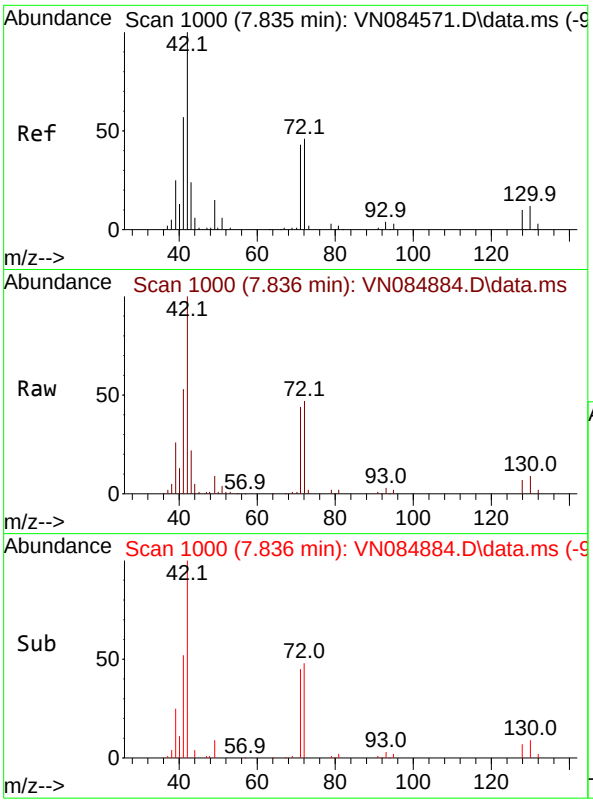


#28
Bromochloromethane
Concen: 49.031 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 49 Resp: 63288

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	81.8	58.0	87.0



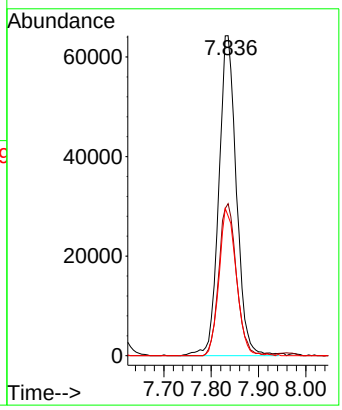


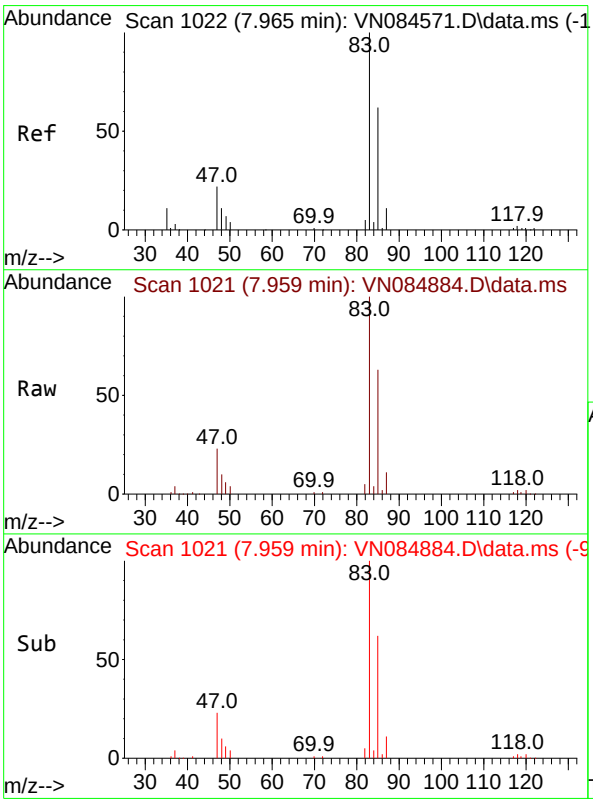
#29
Tetrahydrofuran
Concen: 252.727 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 166134

Ion	Ratio	Lower	Upper
42	100		
72	47.4	34.6	51.8
71	45.2	32.2	48.4

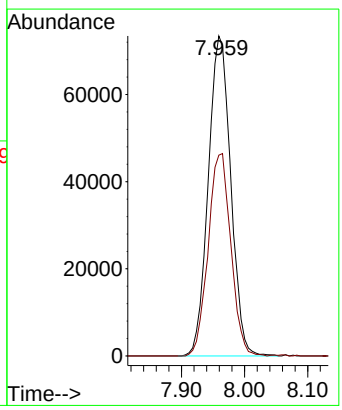


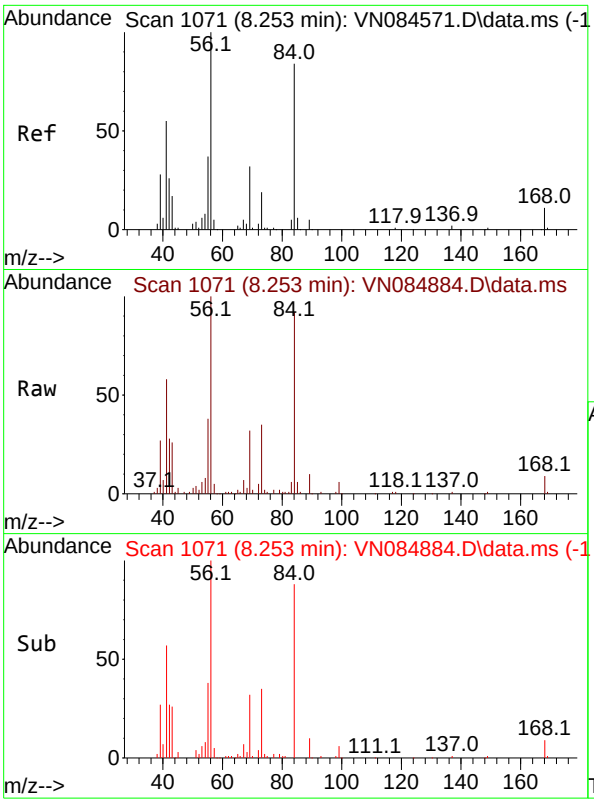


#30
Chloroform
Concen: 55.114 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 83 Resp: 181740

Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.0	76.4



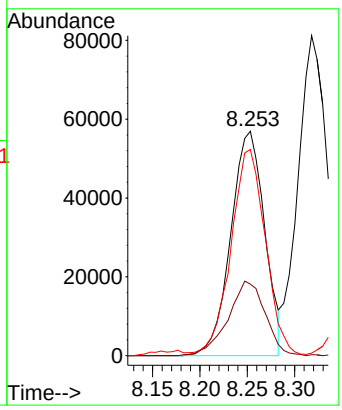


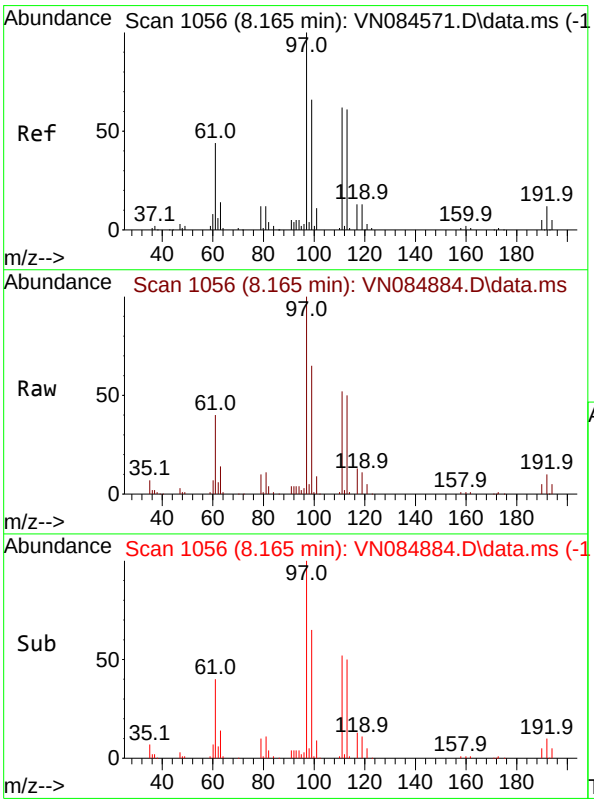
#31
Cyclohexane
Concen: 48.309 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 141656

Ion	Ratio	Lower	Upper
56	100		
69	31.8	23.8	35.6
84	89.5	68.8	103.2

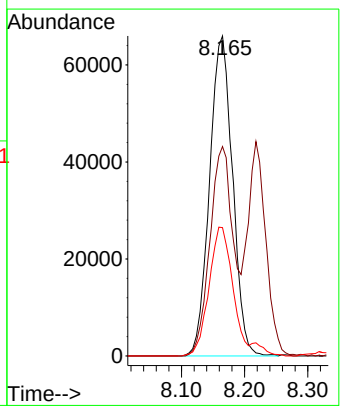


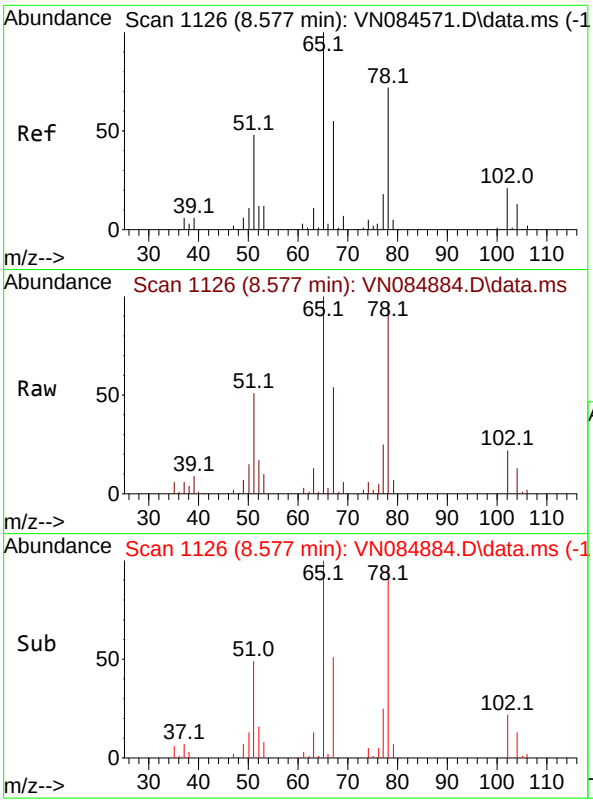


#32
1,1,1-Trichloroethane
Concen: 55.610 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 97 Resp: 166907

Ion	Ratio	Lower	Upper
97	100		
99	67.0	51.2	76.8
61	43.8	37.5	56.3



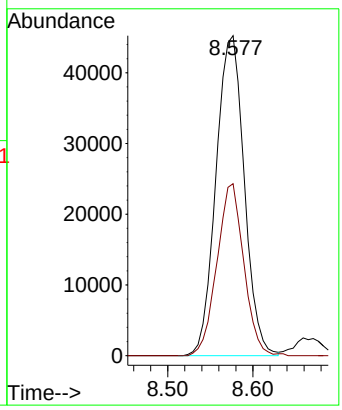


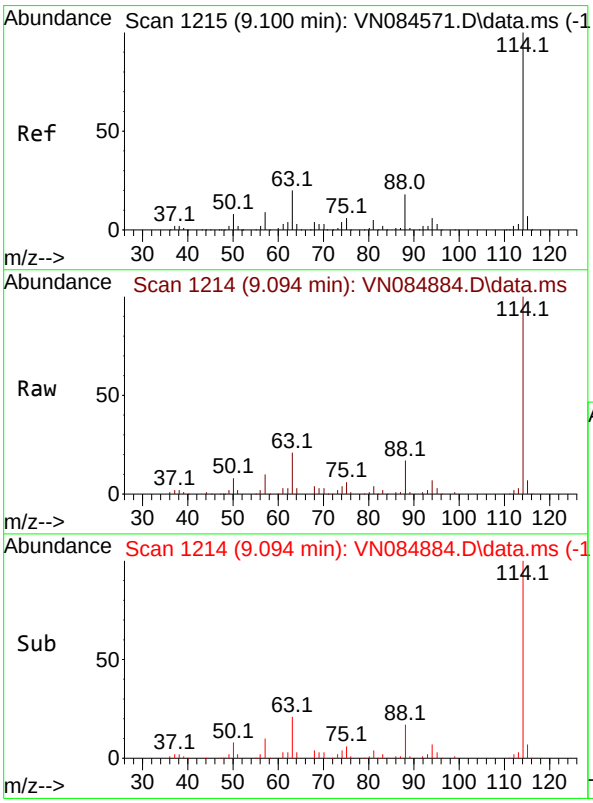
#33
1,2-Dichloroethane-d4
Concen: 49.195 ug/l
RT: 8.577 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 104486

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	102.0

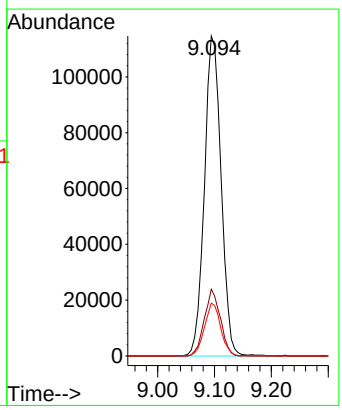


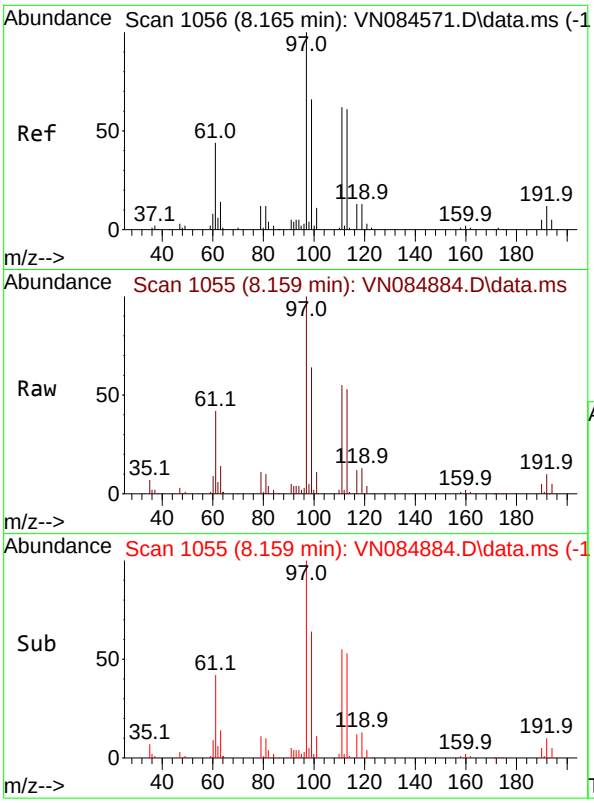


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:114 Resp: 233847

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	43.8
88	16.5	0.0	31.6



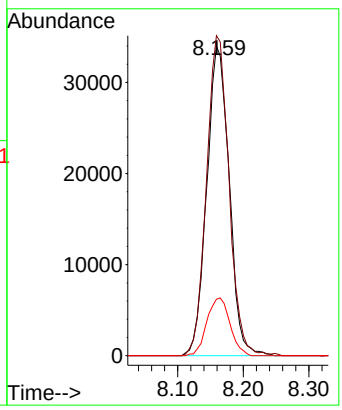


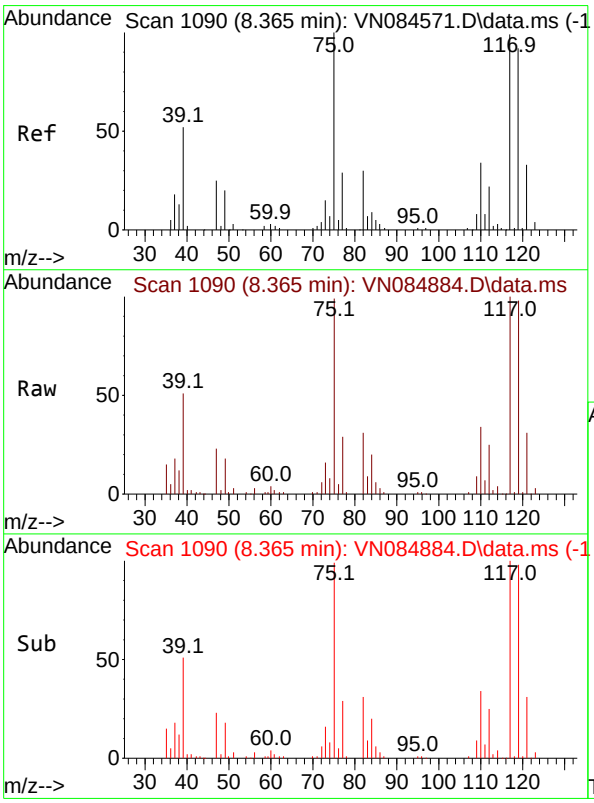
#35
Dibromofluoromethane
Concen: 51.105 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 80892

Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.3	124.9
192	19.2	13.5	20.3

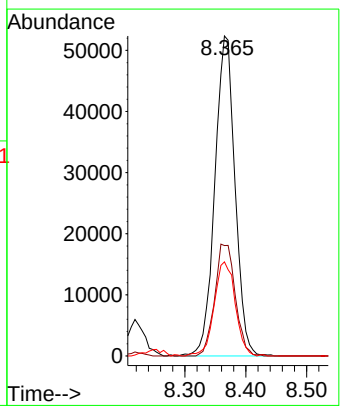


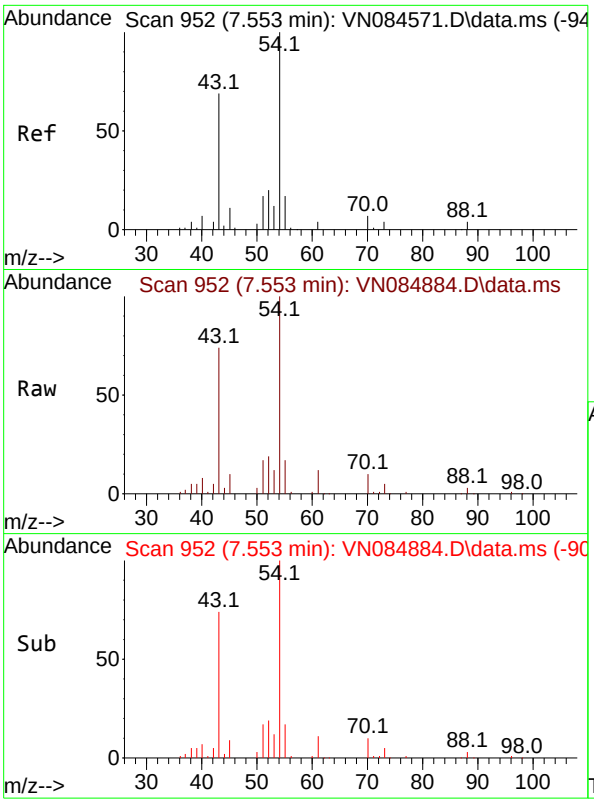


#36
1,1-Dichloropropene
Concen: 54.955 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 75 Resp: 120640

Ion	Ratio	Lower	Upper
75	100		
110	35.6	16.9	50.7
77	30.6	24.7	37.1



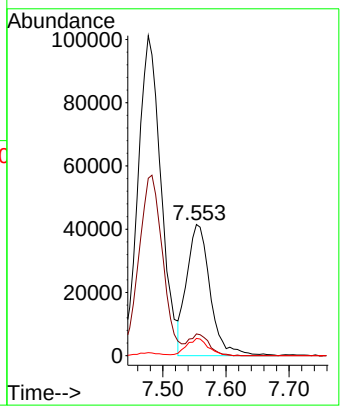


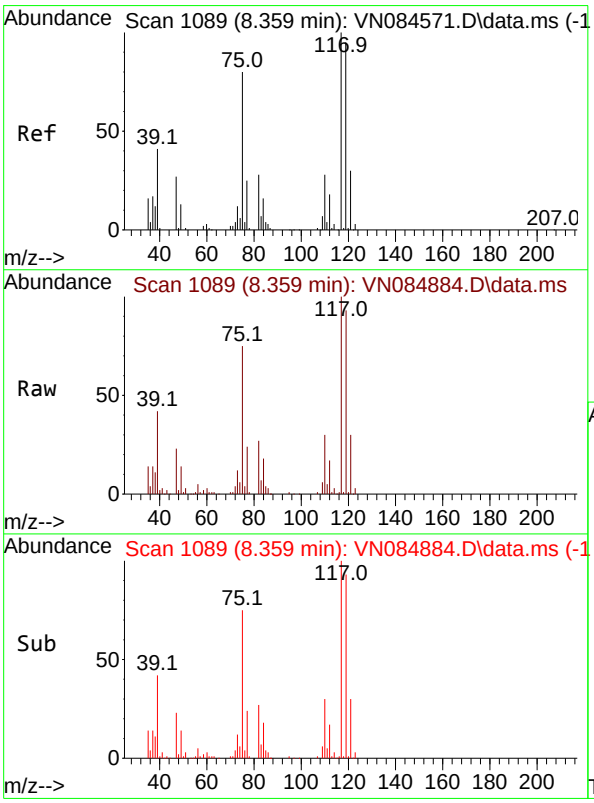
#37
Ethyl Acetate
Concen: 53.709 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 106974

Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.7	16.1
70	12.2	8.8	13.2

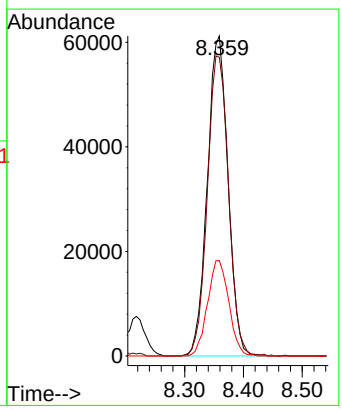


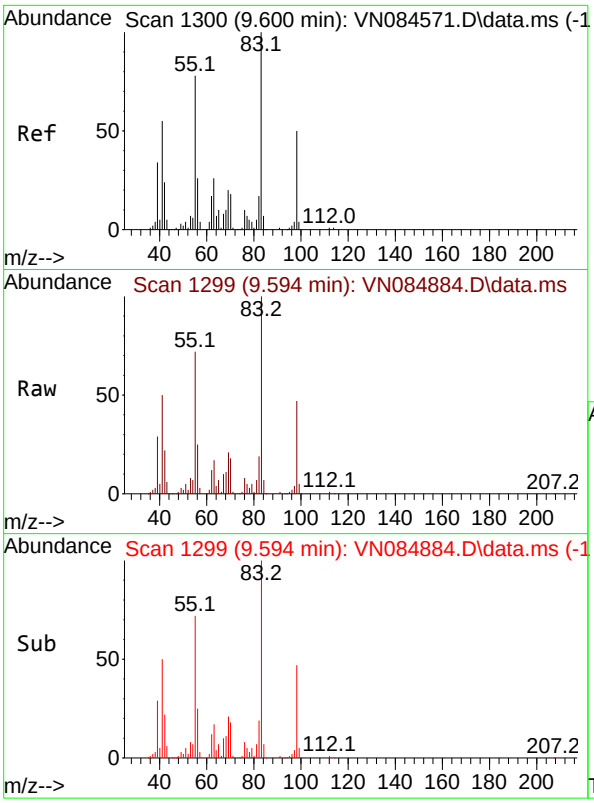


#38
Carbon Tetrachloride
Concen: 61.018 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:117 Resp: 149719

Ion	Ratio	Lower	Upper
117	100		
119	93.3	78.7	118.1
121	29.8	24.4	36.6



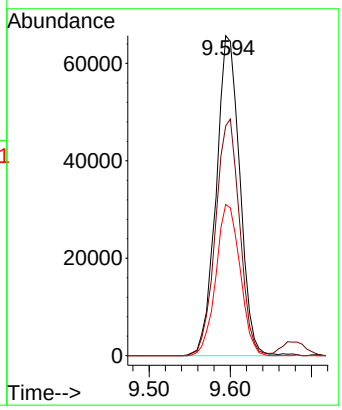


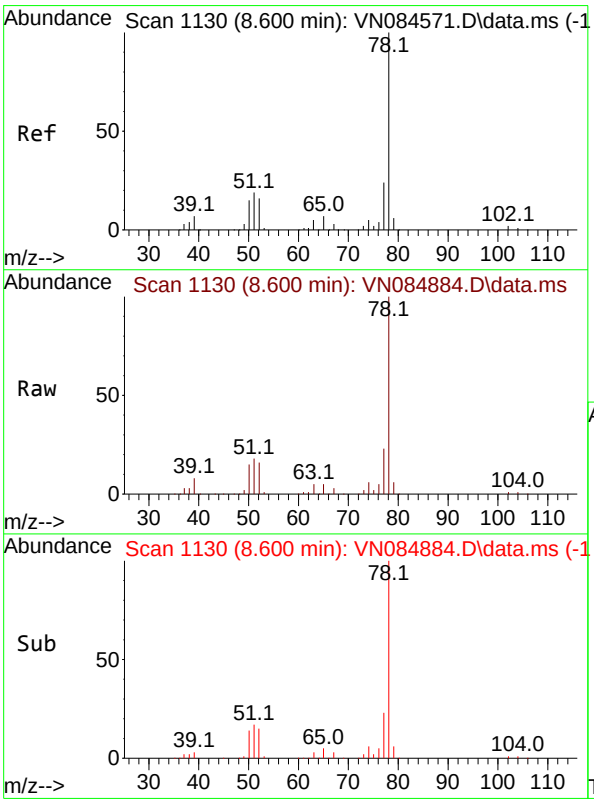
#39
Methylcyclohexane
Concen: 59.477 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 132827

Ion	Ratio	Lower	Upper
83	100		
55	71.8	62.8	94.2
98	47.2	38.8	58.2

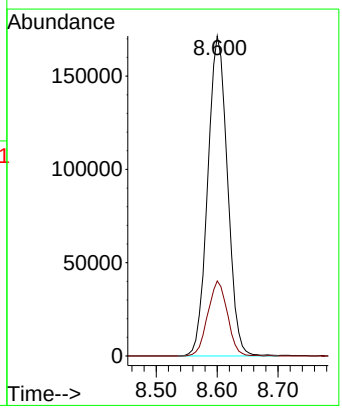


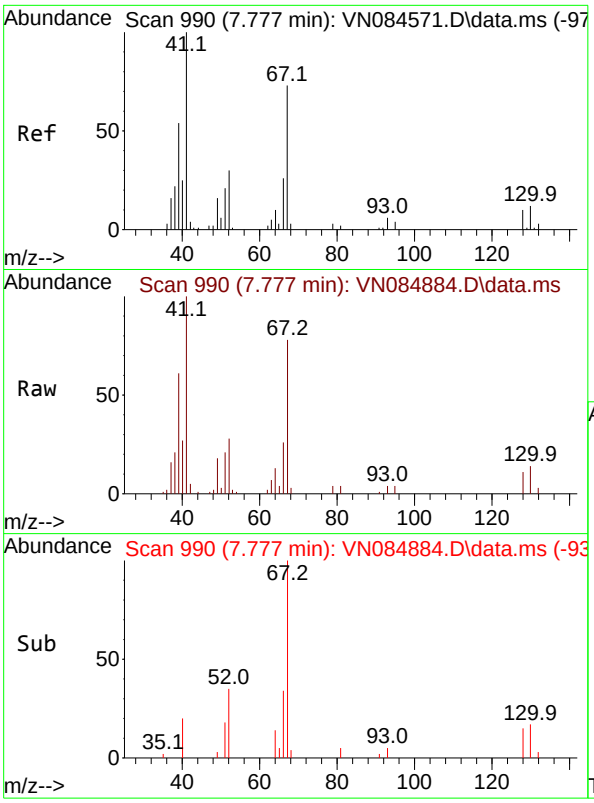


#40
Benzene
Concen: 54.816 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 78 Resp: 386451

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7



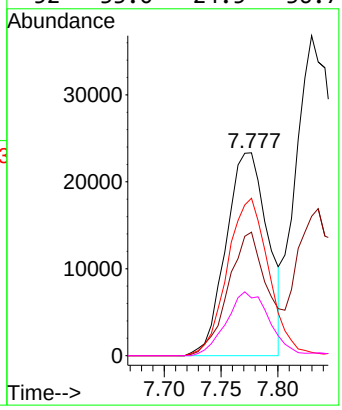


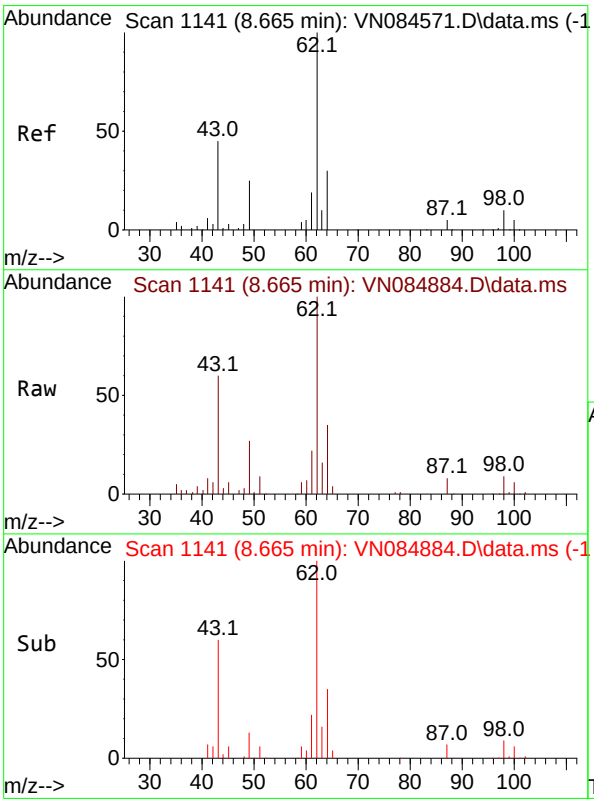
#41
Methacrylonitrile
Concen: 55.808 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 59774

Ion	Ratio	Lower	Upper
41	100		
39	59.0	43.3	64.9
67	77.2	56.1	84.1
52	33.0	24.5	36.7

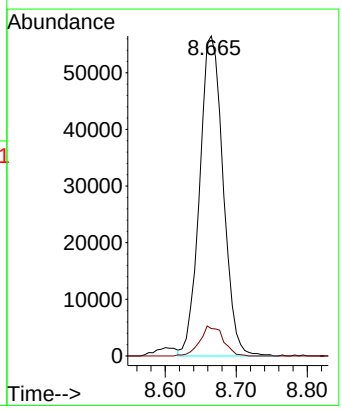


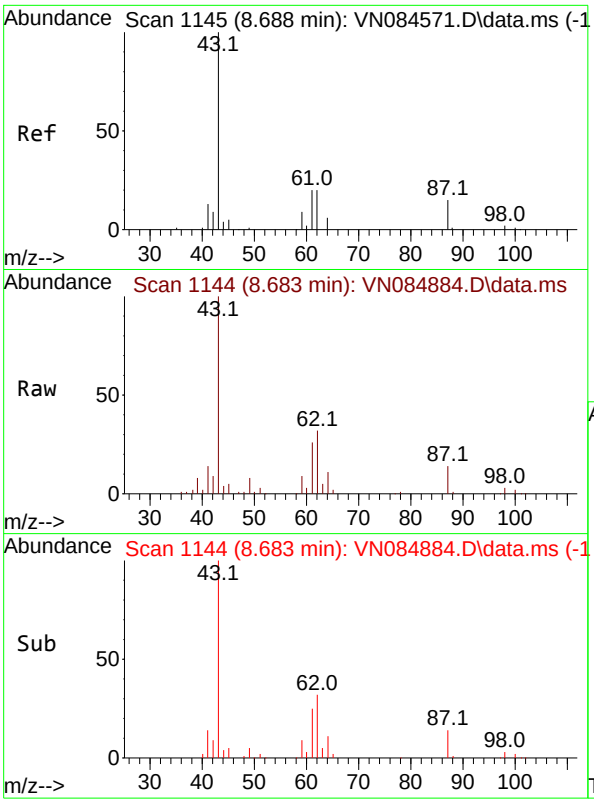


#42
1,2-Dichloroethane
Concen: 57.008 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 62 Resp: 130159

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2



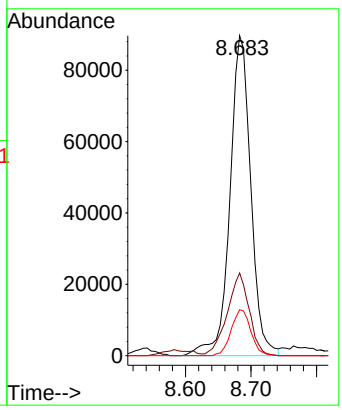


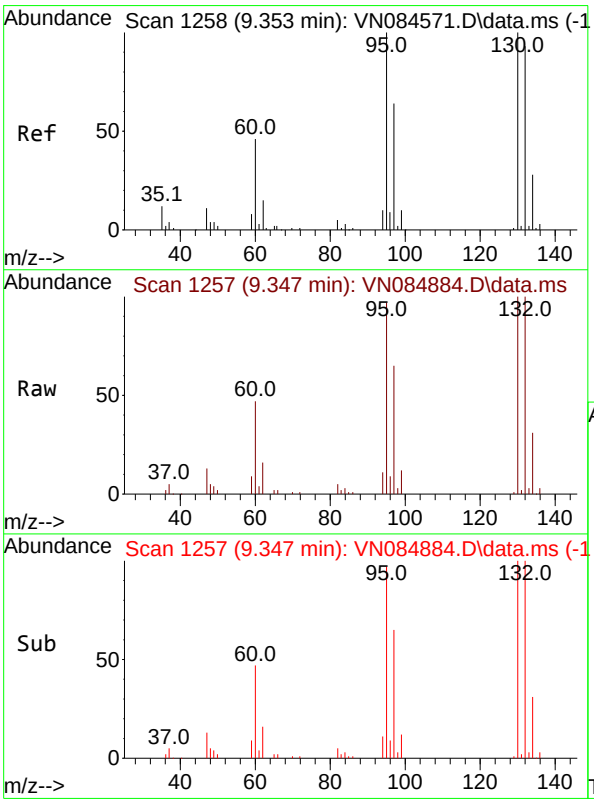
#43
Isopropyl Acetate
Concen: 54.197 ug/l
RT: 8.683 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 199122

Ion	Ratio	Lower	Upper
43	100		
61	27.1	20.4	30.6
87	13.5	10.3	15.5

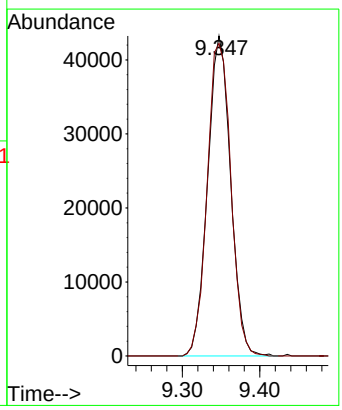


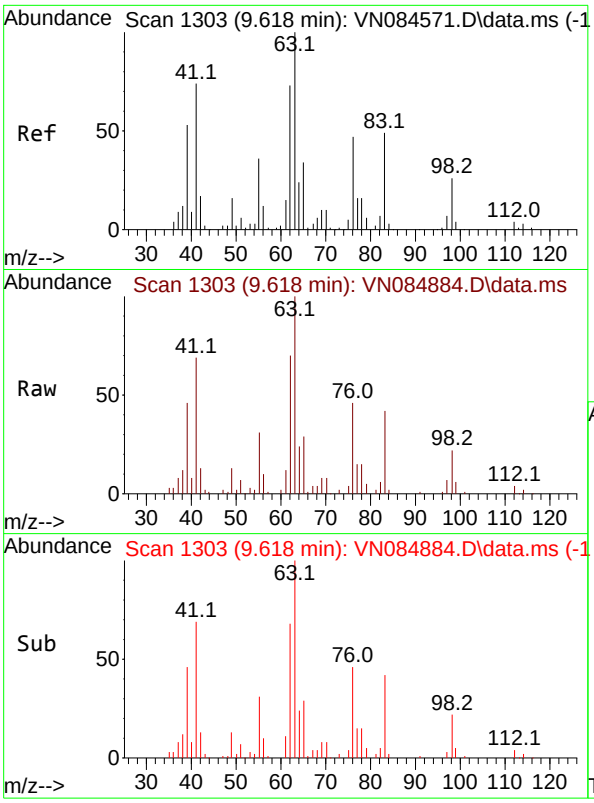


#44
Trichloroethene
Concen: 54.883 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:130 Resp: 89234

Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	203.0



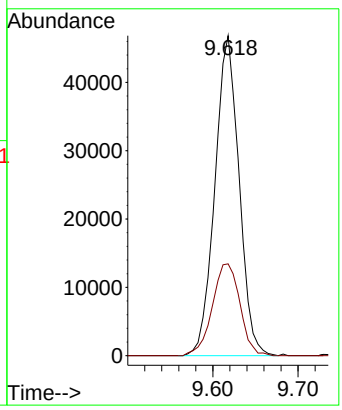


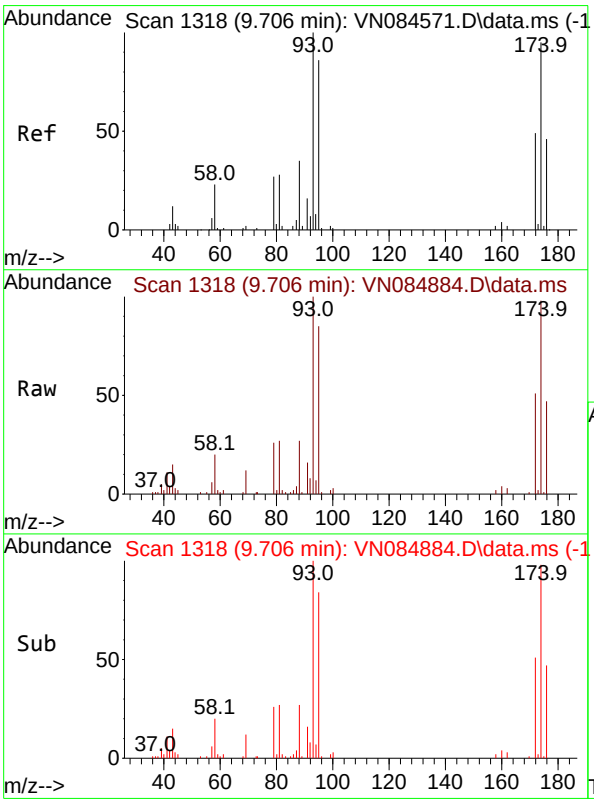
#45
1,2-Dichloropropane
Concen: 55.722 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 92152

Ion	Ratio	Lower	Upper
63	100		
65	28.7	24.6	37.0

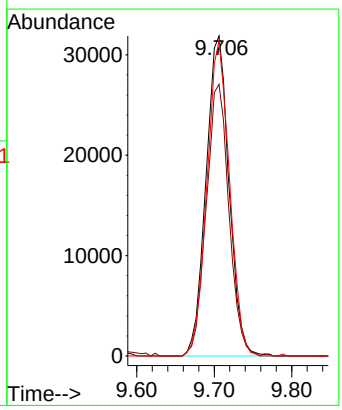


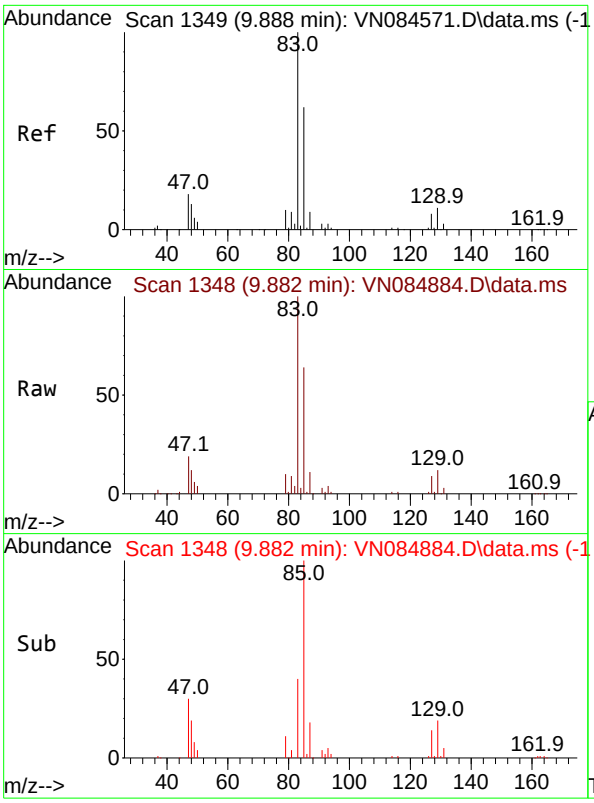


#46
Dibromomethane
Concen: 56.468 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 93 Resp: 65896

Ion	Ratio	Lower	Upper
93	100		
95	83.8	65.0	97.4
174	96.3	71.8	107.8



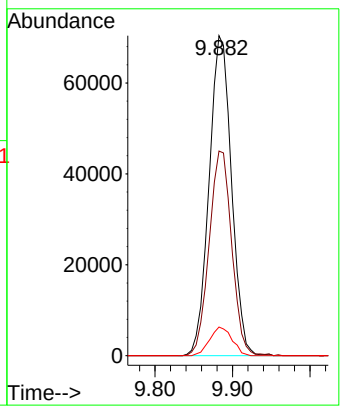


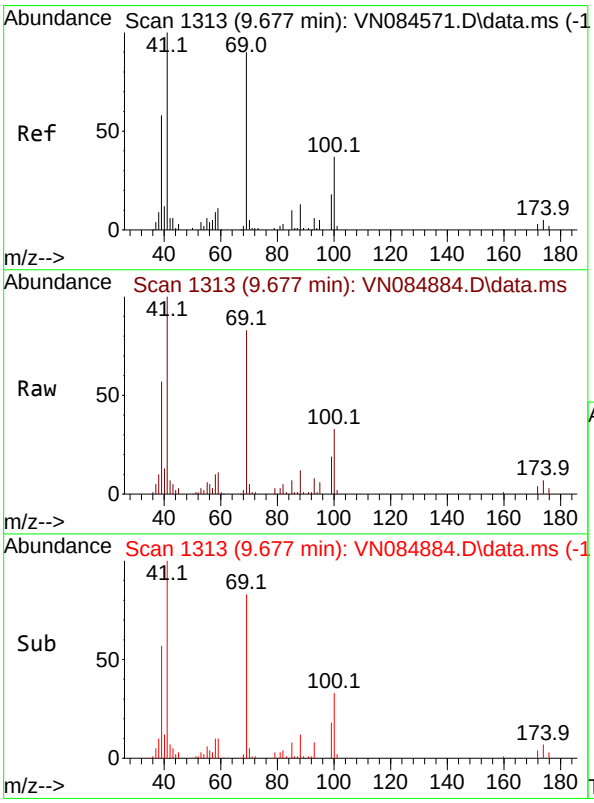
#47
Bromodichloromethane
Concen: 57.355 ug/l
RT: 9.882 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 141085

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.5	77.3
127	8.9	5.7	8.5#

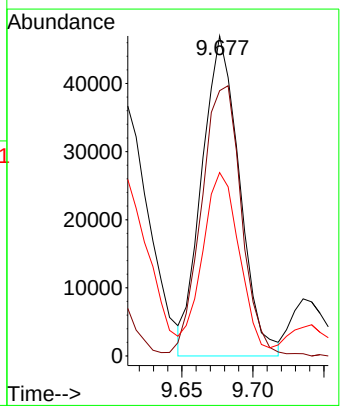


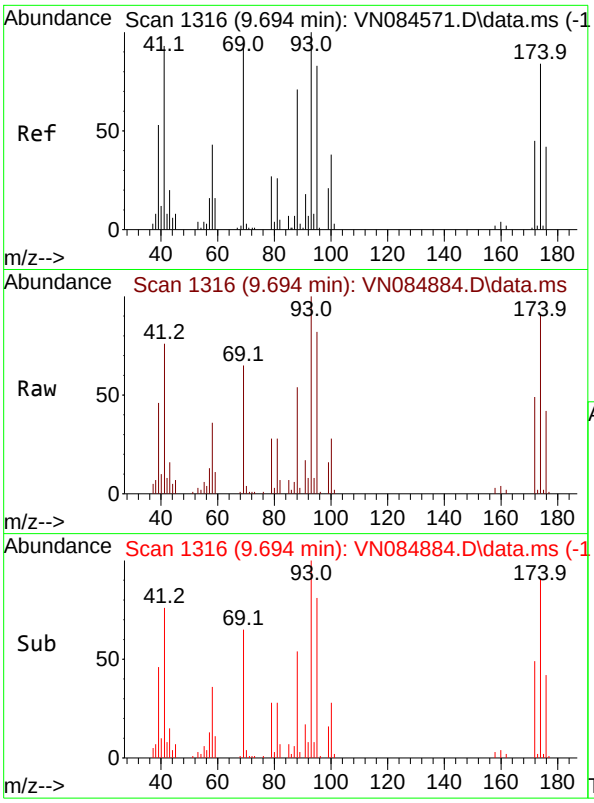


#48
Methyl methacrylate
Concen: 55.834 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 41 Resp: 86548

Ion	Ratio	Lower	Upper
41	100		
69	90.2	67.1	100.7
39	56.7	45.8	68.6



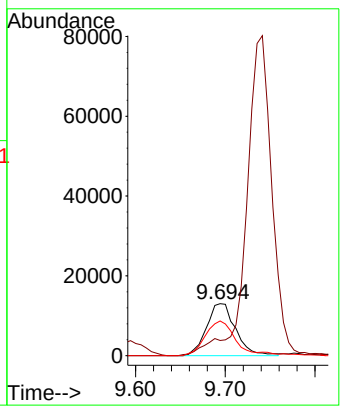


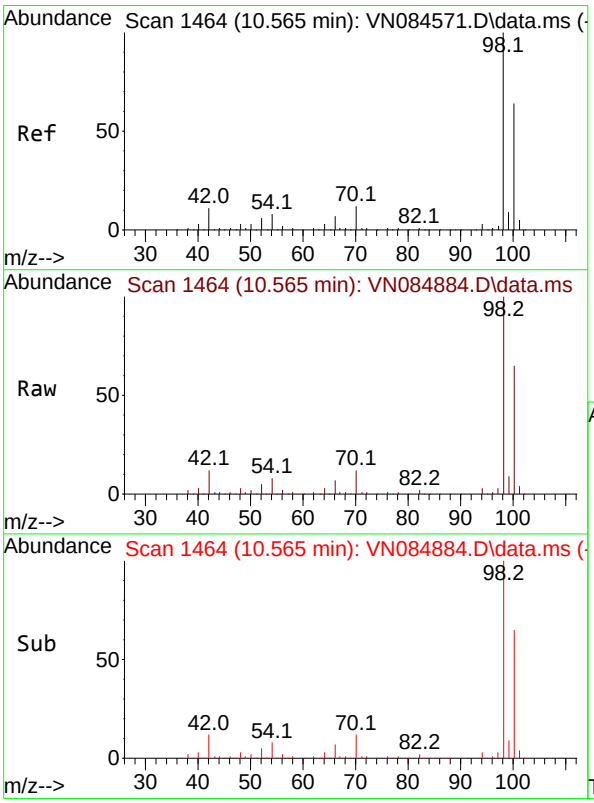
#49
1,4-Dioxane
Concen: 1071.216 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 29425

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	72.2	56.4	84.6

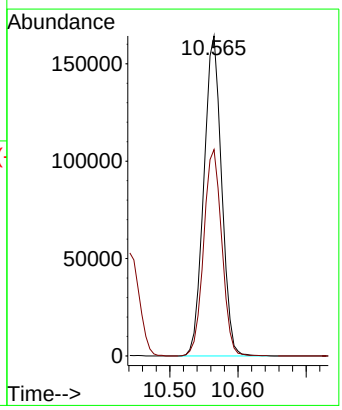


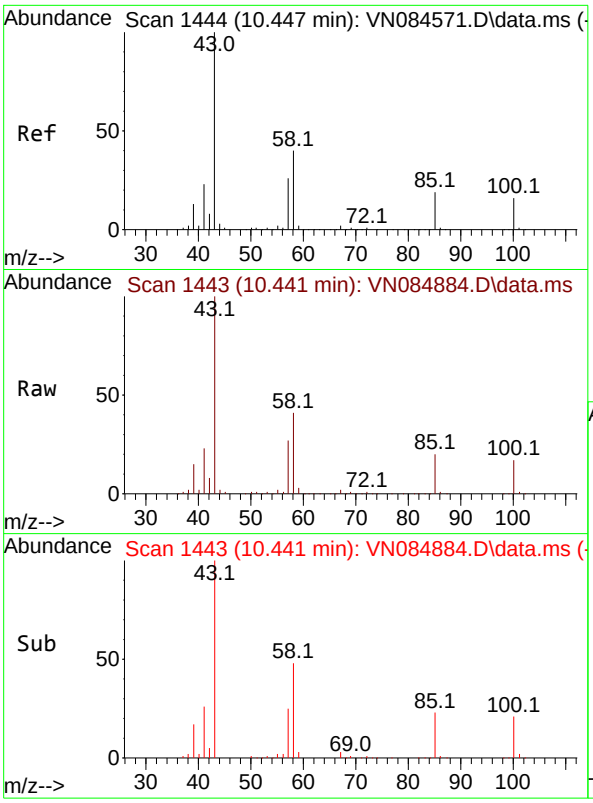


#50
Toluene-d8
Concen: 51.130 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 98 Resp: 298125

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1



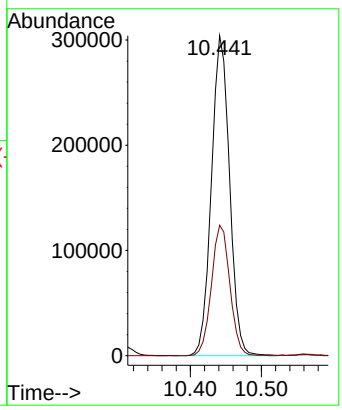


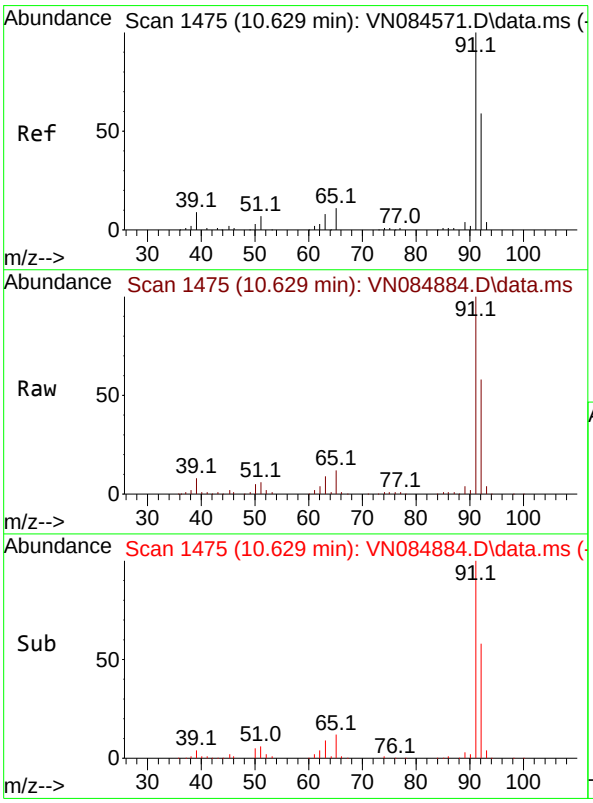
#51
4-Methyl-2-Pentanone
Concen: 283.555 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 538388

Ion	Ratio	Lower	Upper
43	100		
58	41.4	31.6	47.4

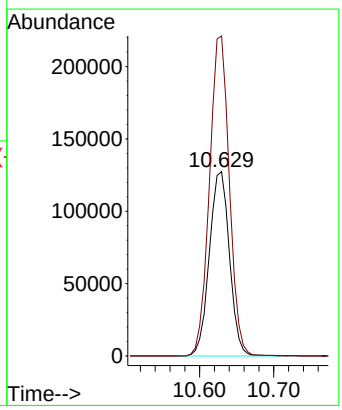


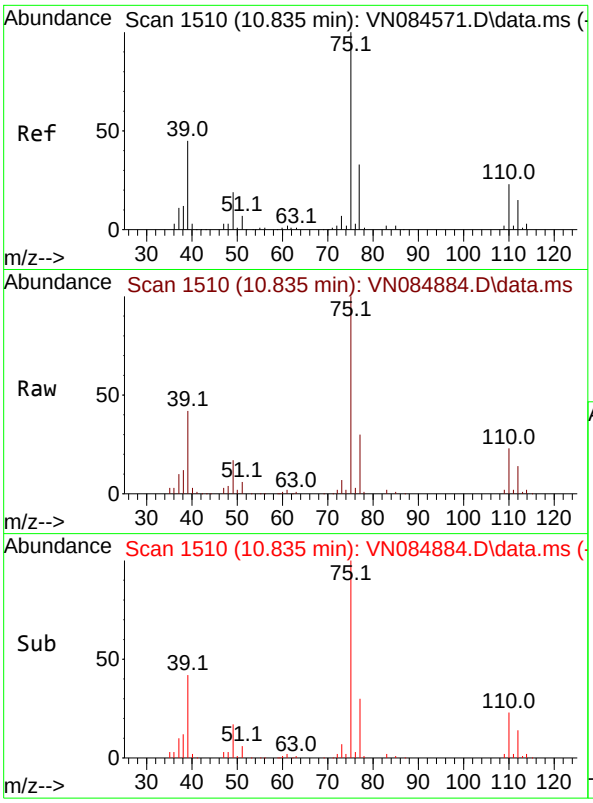


#52
Toluene
Concen: 58.161 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 92 Resp: 239806

Ion	Ratio	Lower	Upper
92	100		
91	171.8	137.3	205.9



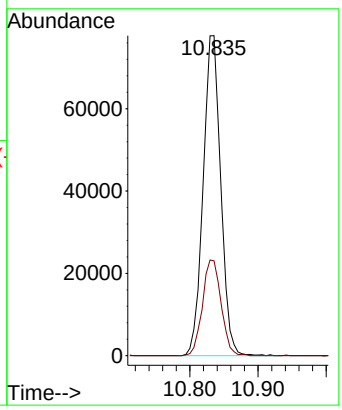


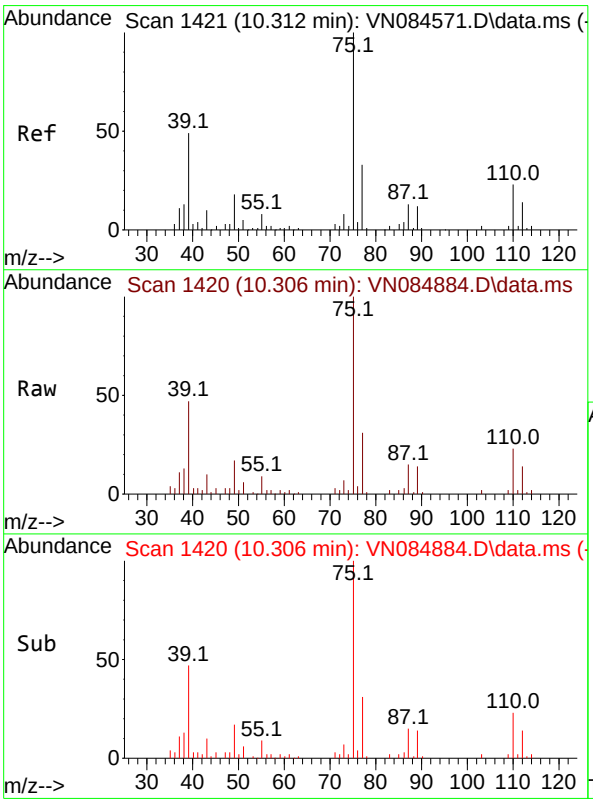
#53
t-1,3-Dichloropropene
Concen: 54.758 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 139427

Ion	Ratio	Lower	Upper
75	100		
77	29.7	25.4	38.0

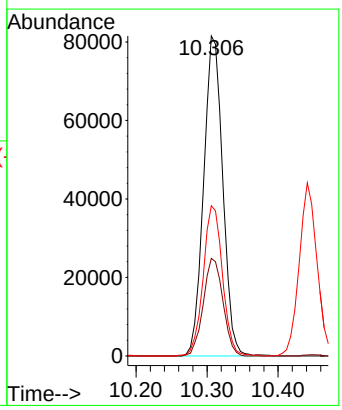


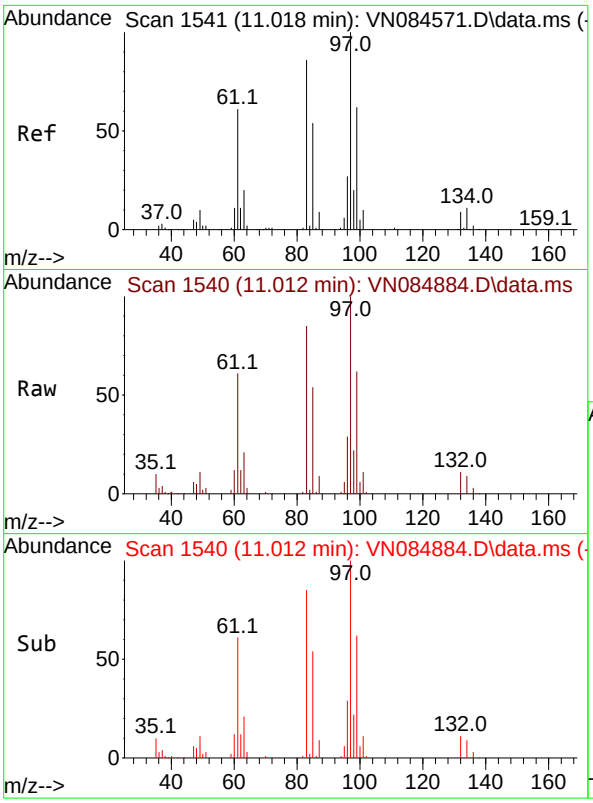


#54
cis-1,3-Dichloropropene
Concen: 56.641 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 75 Resp: 152643

Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.2	36.2
39	46.8	38.7	58.1



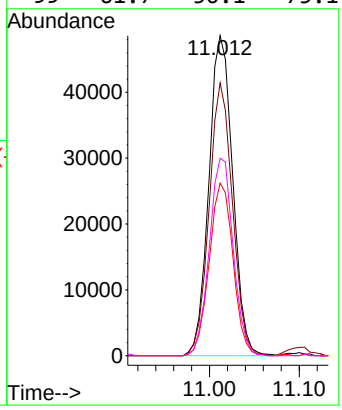


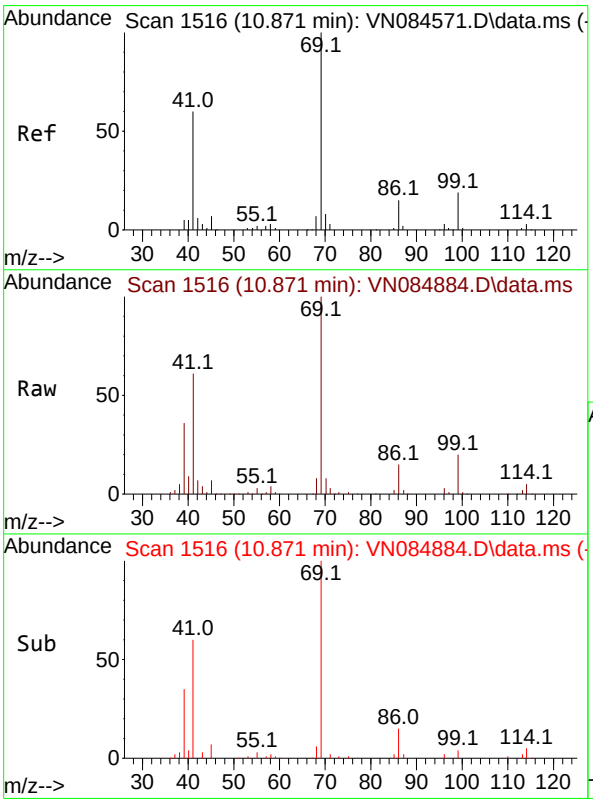
#55
1,1,2-Trichloroethane
Concen: 57.678 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 89581

Ion	Ratio	Lower	Upper
97	100		
83	85.3	71.0	106.4
85	53.9	41.7	62.5
99	61.7	50.1	75.1

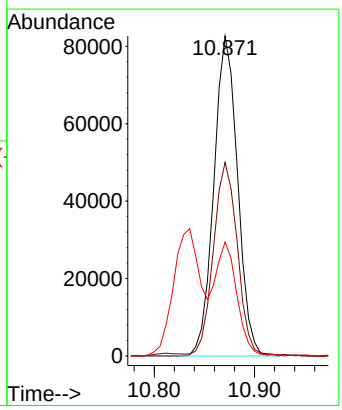


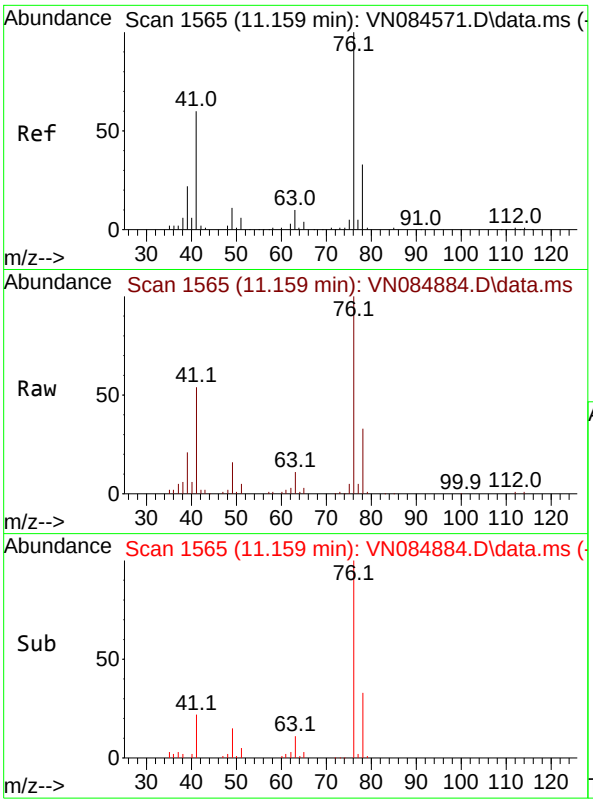


#56
Ethyl methacrylate
Concen: 60.488 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 69 Resp: 135889

Ion	Ratio	Lower	Upper
69	100		
41	61.4	53.3	79.9
39	33.0	28.8	43.2



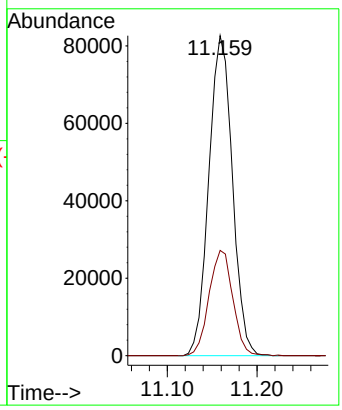


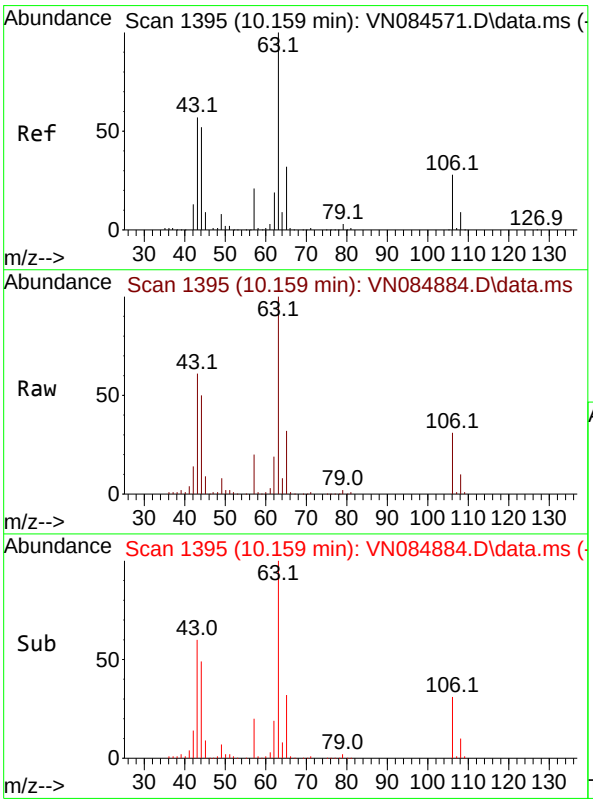
#57
1,3-Dichloropropane
Concen: 56.495 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 150590

Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.8	38.6

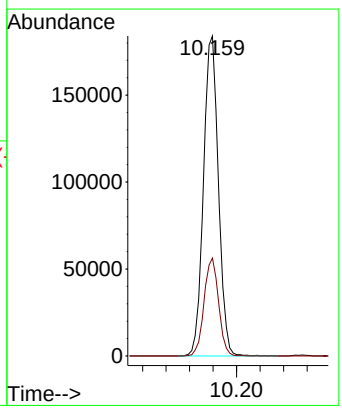


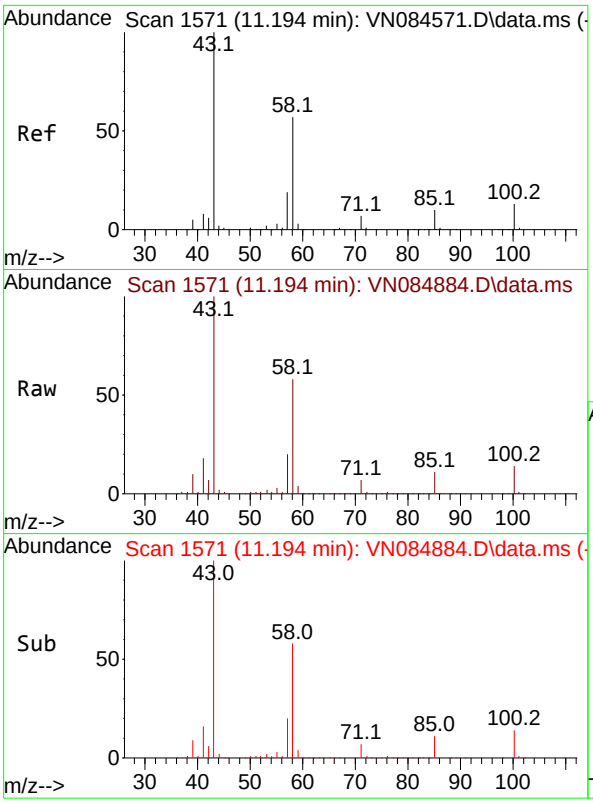


#58
2-Chloroethyl Vinyl ether
Concen: 308.972 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 63 Resp: 324802

Ion	Ratio	Lower	Upper
63	100		
106	29.7	21.8	32.6



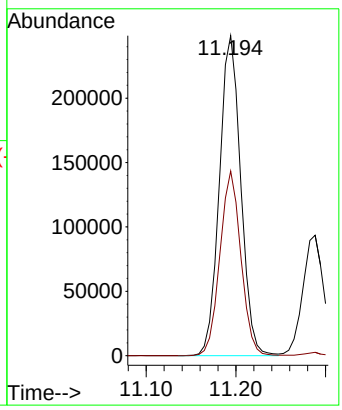


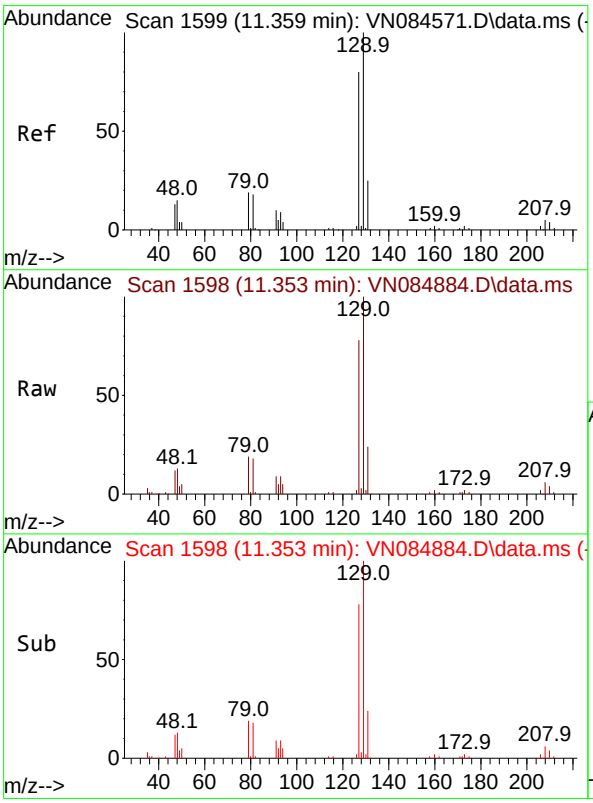
#59
2-Hexanone
Concen: 297.467 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 411111

Ion	Ratio	Lower	Upper
43	100		
58	56.6	27.3	81.8

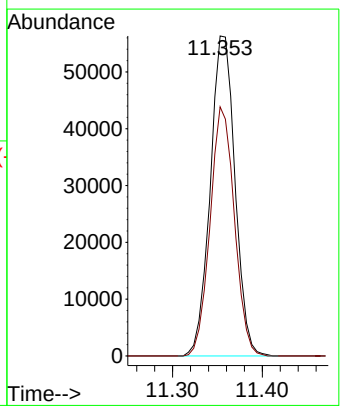


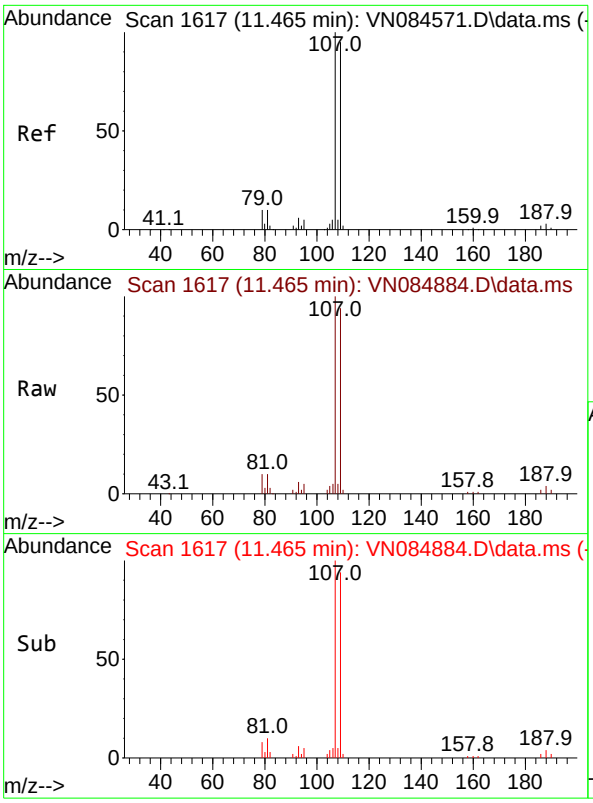


#60
Dibromochloromethane
Concen: 60.967 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:129 Resp: 107918

Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.3	114.9



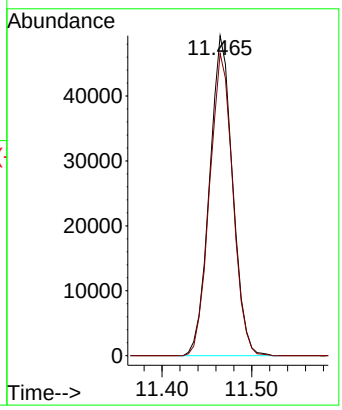


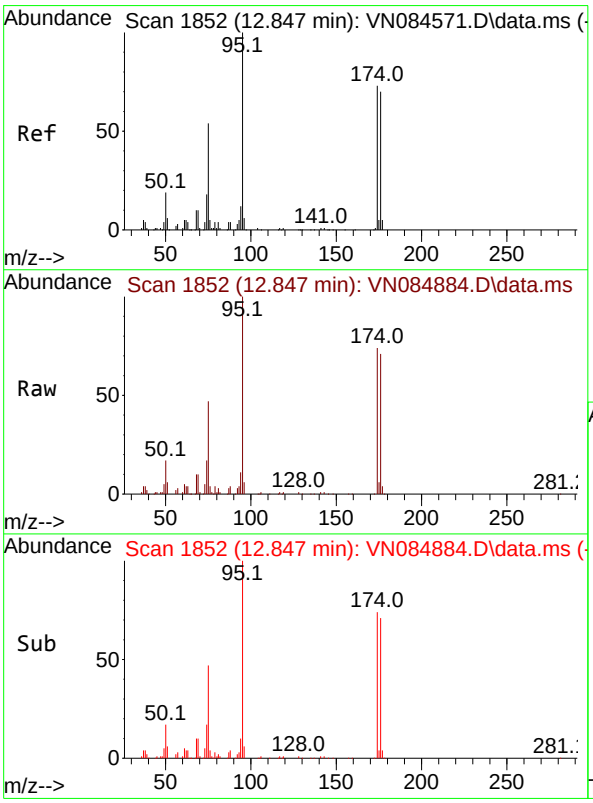
#61
1,2-Dibromoethane
Concen: 55.412 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 88131

Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.4	113.0

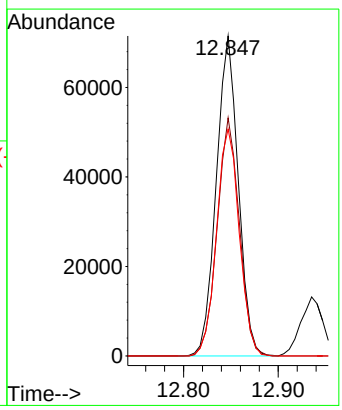


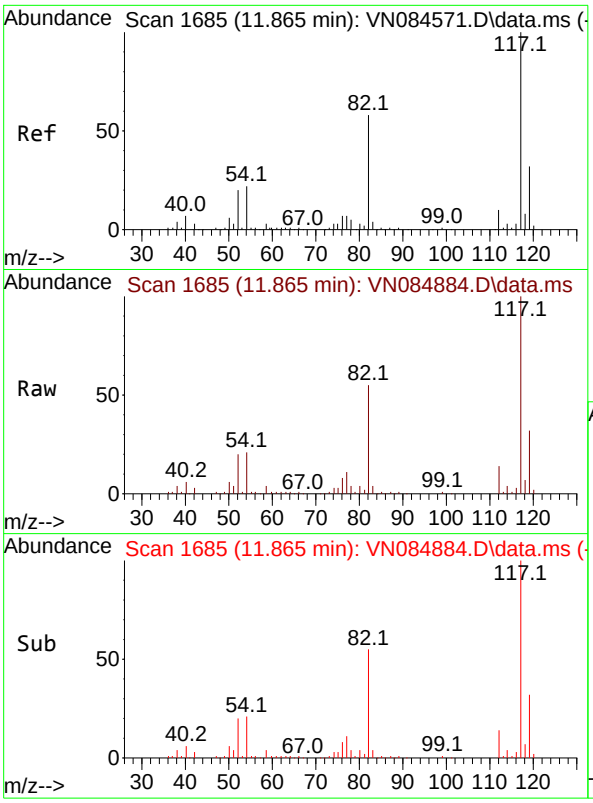


#62
4-Bromofluorobenzene
Concen: 52.881 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 95 Resp: 115235

Ion	Ratio	Lower	Upper
95	100		
174	75.0	0.0	145.2
176	73.4	0.0	140.0



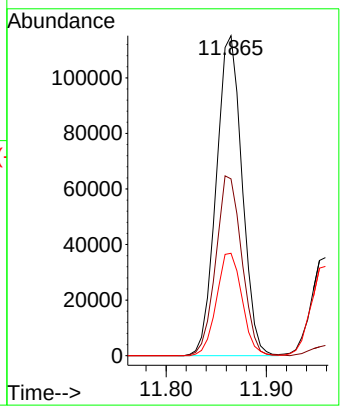


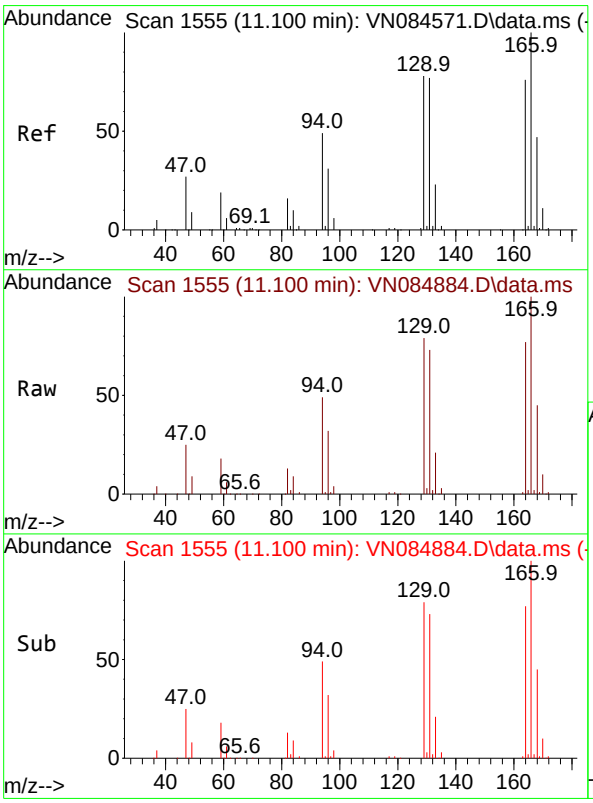
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 206028

Ion	Ratio	Lower	Upper
117	100		
82	55.3	47.2	70.8
119	32.0	25.4	38.0

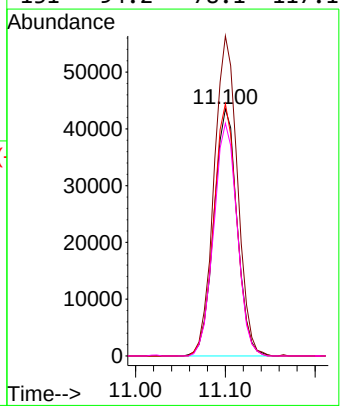


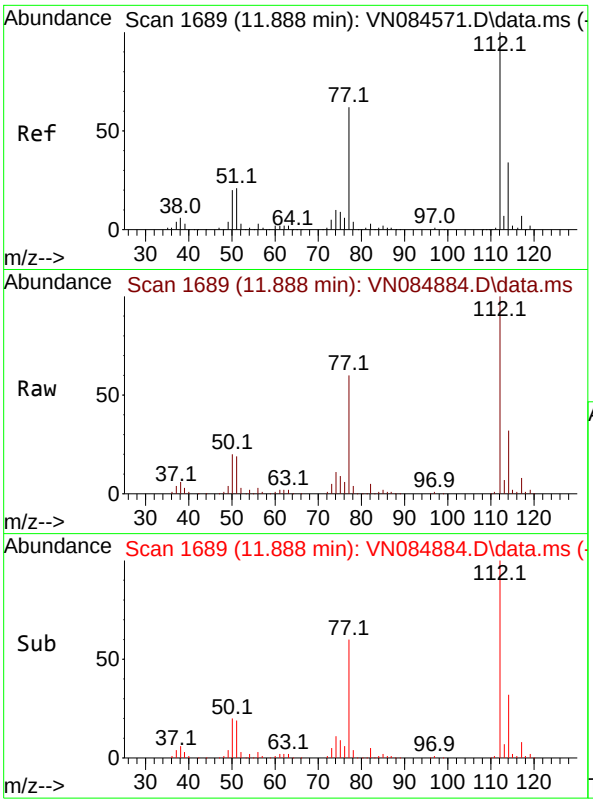


#64
Tetrachloroethene
Concen: 57.166 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:164 Resp: 78342

Ion	Ratio	Lower	Upper
164	100		
166	129.5	101.0	151.4
129	102.1	80.8	121.2
131	94.2	78.1	117.1



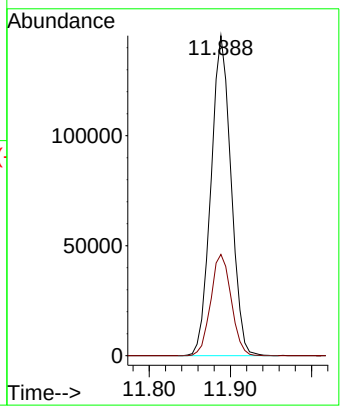


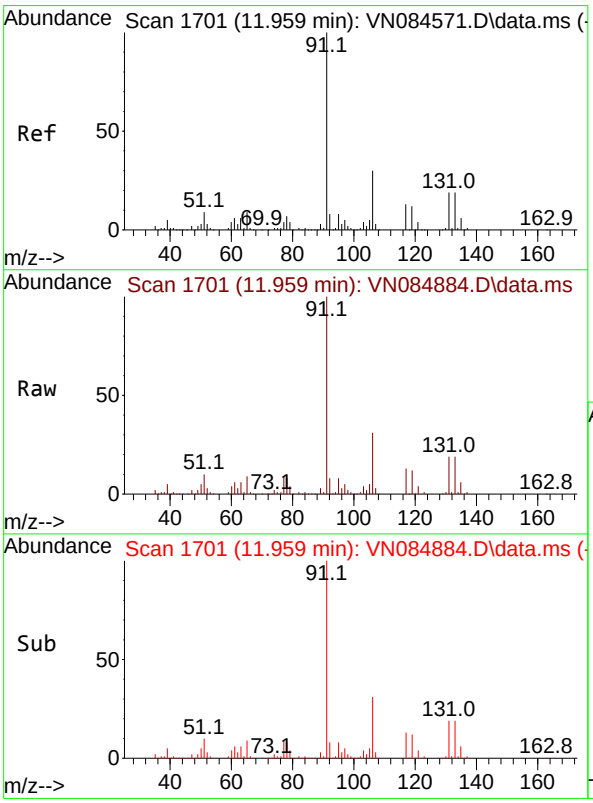
#65
Chlorobenzene
Concen: 54.214 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 249886

Ion	Ratio	Lower	Upper
112	100		
114	31.7	27.0	40.6

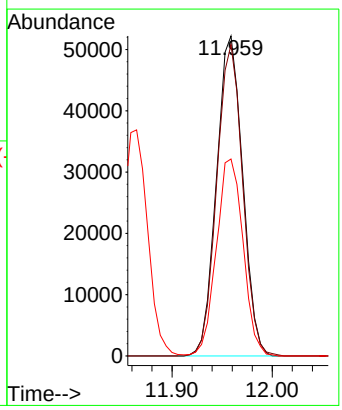


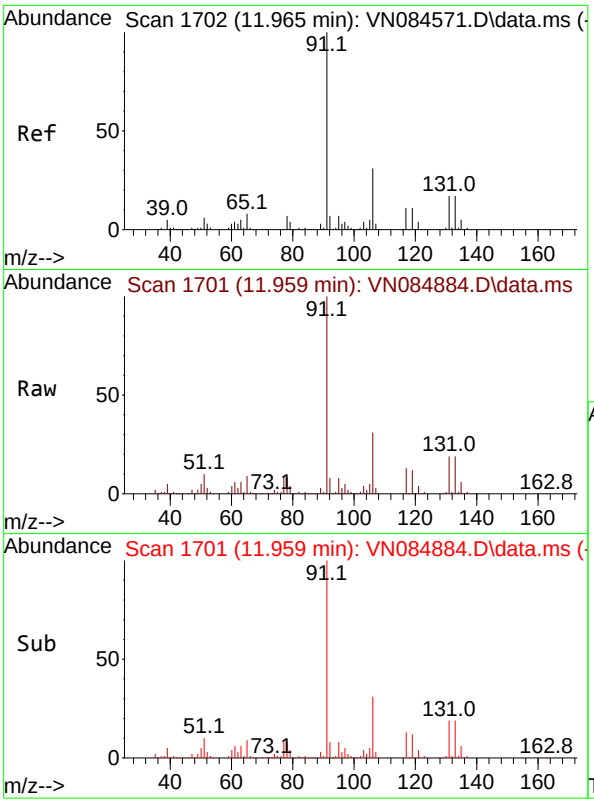


#66
1,1,1,2-Tetrachloroethane
Concen: 59.081 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:131 Resp: 94720

Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.9	143.7
119	62.9	32.8	98.3



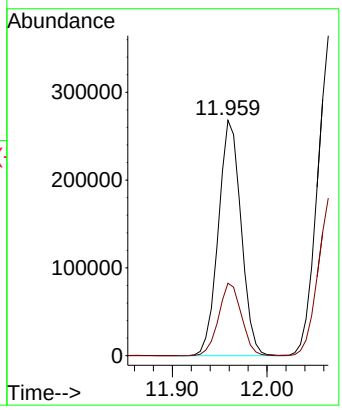


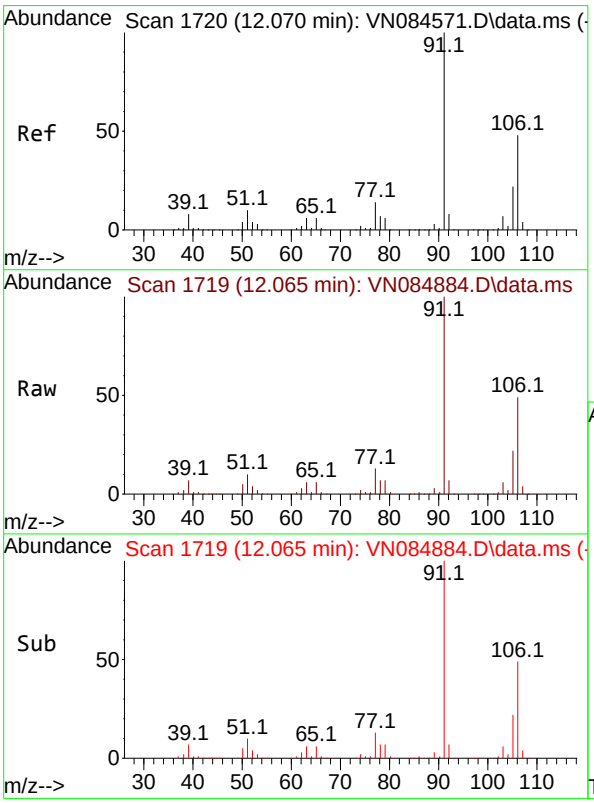
#67
Ethyl Benzene
Concen: 58.194 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 447730

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.5	36.7

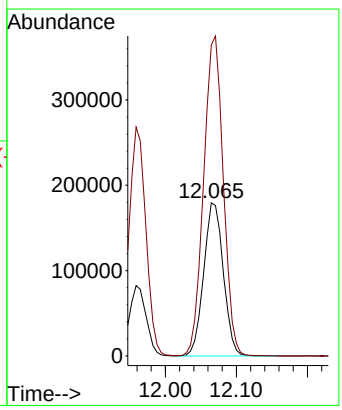


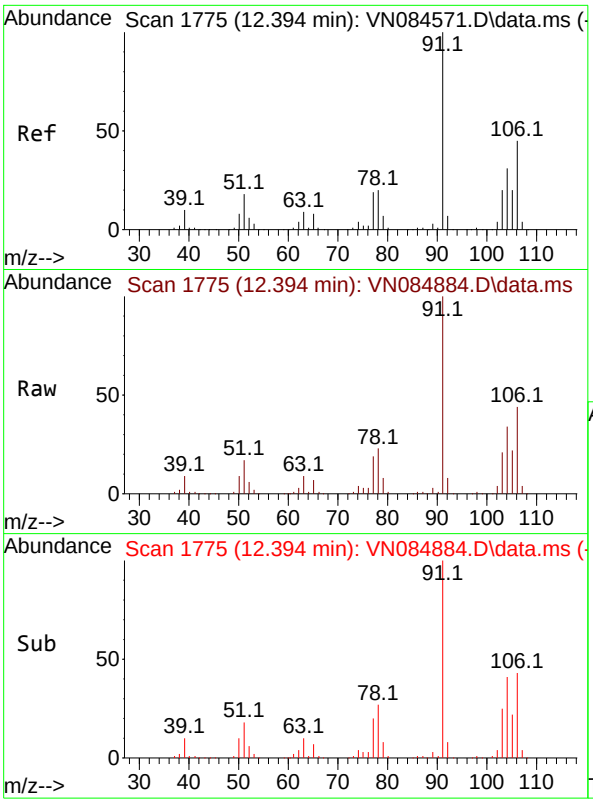


#68
m/p-Xylenes
Concen: 118.244 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:106 Resp: 344419

Ion	Ratio	Lower	Upper
106	100		
91	209.8	167.1	250.7



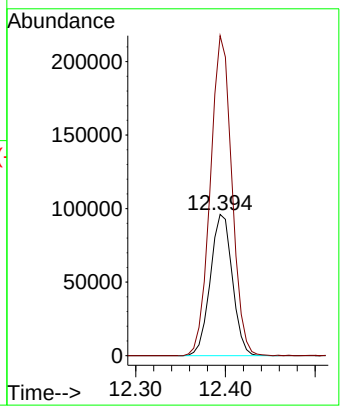


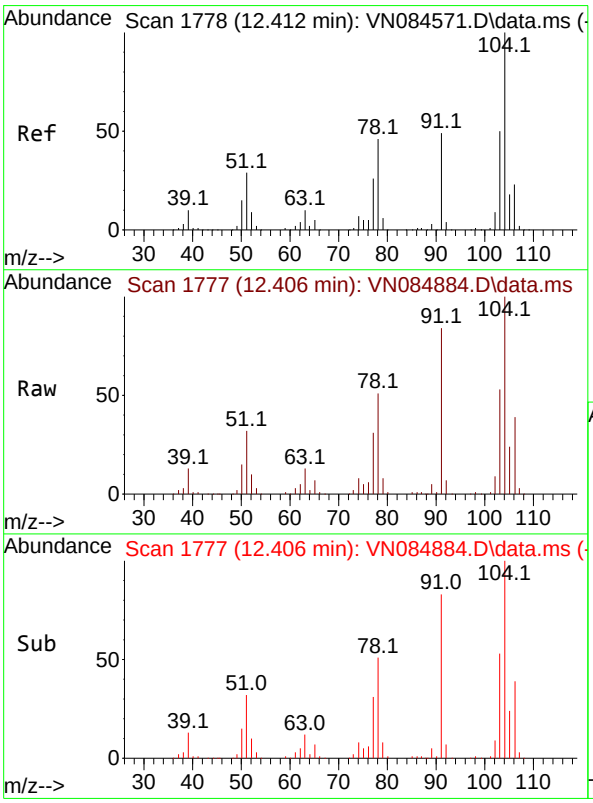
#69
o-Xylene
Concen: 60.076 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 163698

Ion	Ratio	Lower	Upper
106	100		
91	221.6	110.2	330.6

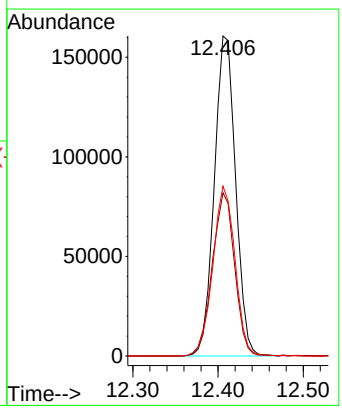


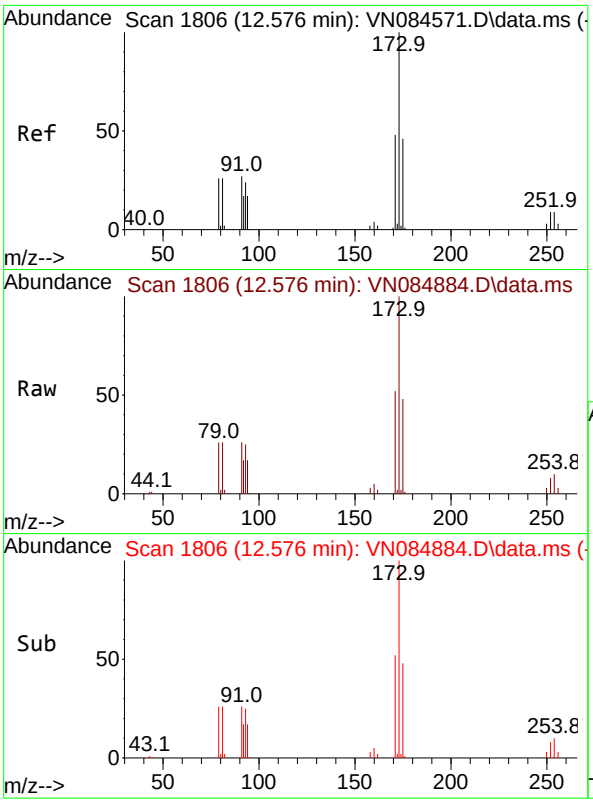


#70
Styrene
Concen: 58.658 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:104 Resp: 278820

Ion	Ratio	Lower	Upper
104	100		
78	53.5	42.7	64.1
103	55.4	43.6	65.4



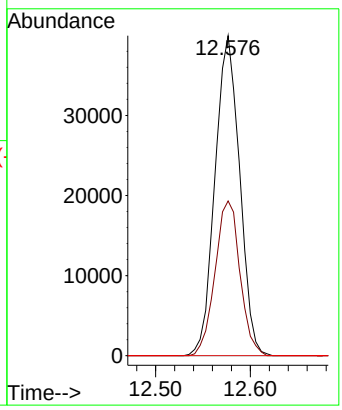


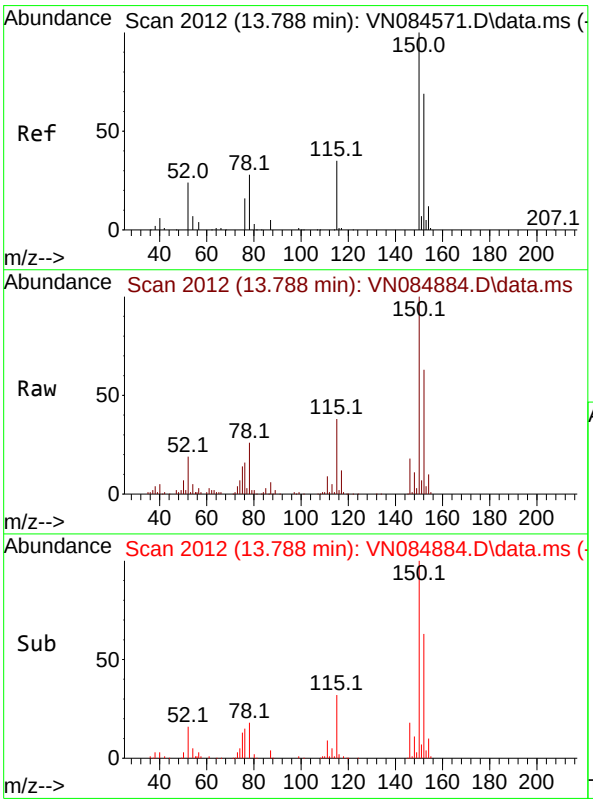
#71
Bromoform
Concen: 59.870 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 72226

Ion	Ratio	Lower	Upper
173	100		
175	49.0	23.5	70.6
254	0.0	0.0	0.0

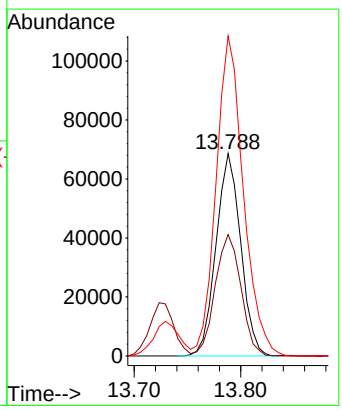


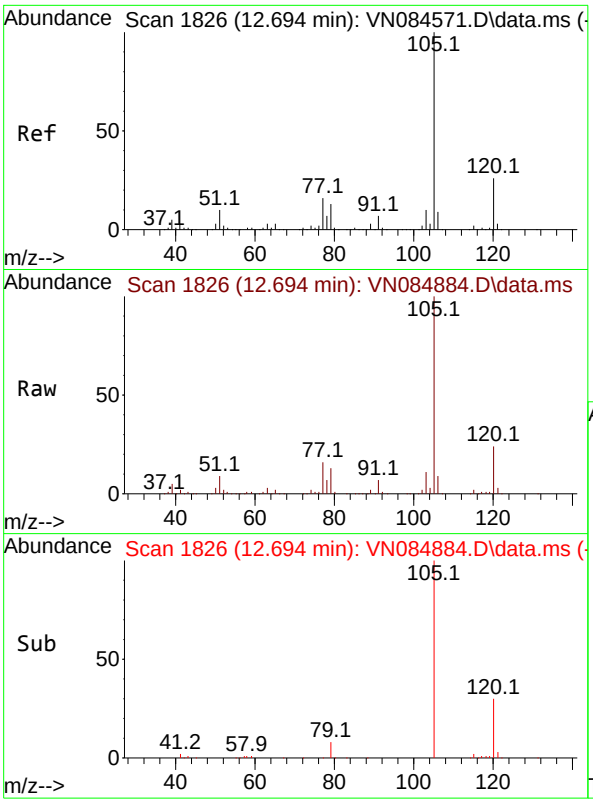


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:152 Resp: 110342

Ion	Ratio	Lower	Upper
152	100		
115	62.6	31.3	93.9
150	175.2	0.0	349.8



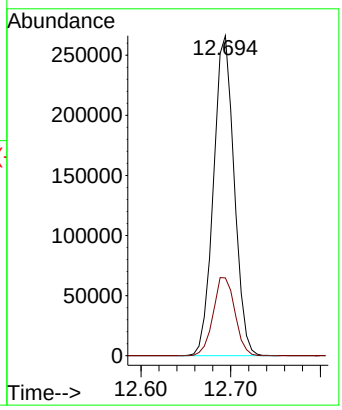


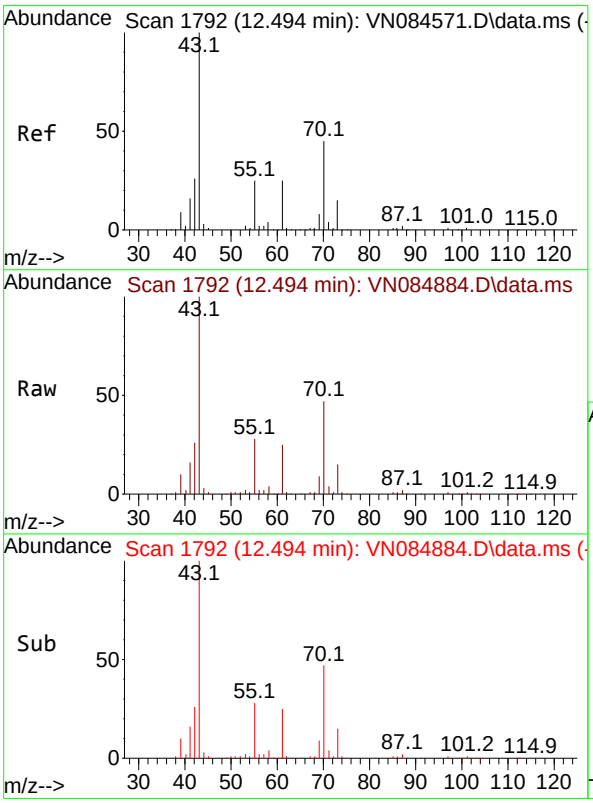
#73
Isopropylbenzene
Concen: 55.067 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 425803

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.9	38.7

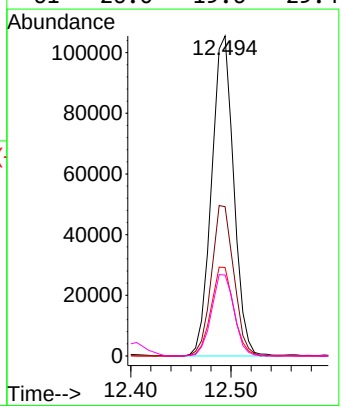


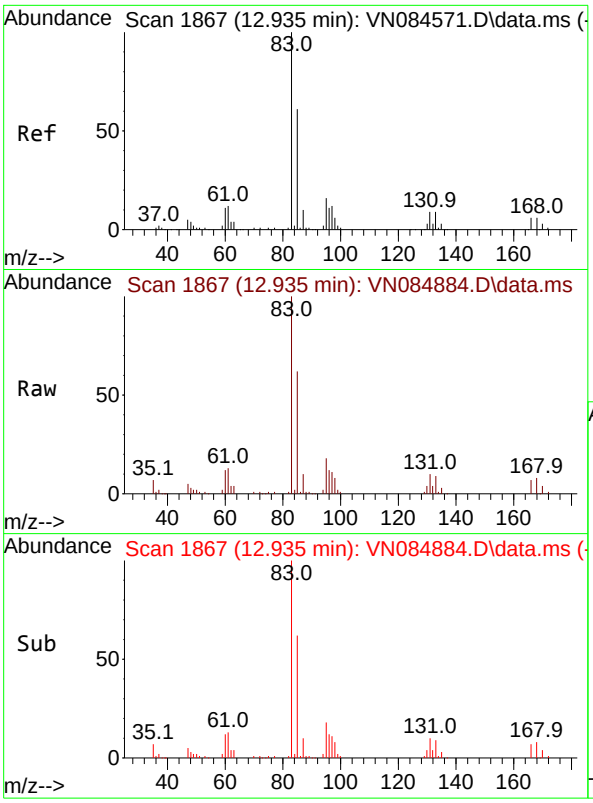


#74
N-amyl acetate
Concen: 49.163 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 43 Resp: 161800

Ion	Ratio	Lower	Upper
43	100		
70	47.5	34.4	51.6
55	28.2	19.6	29.4
61	26.0	19.6	29.4



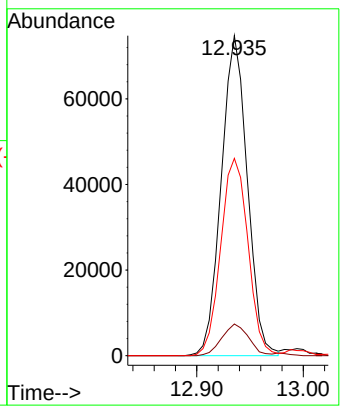


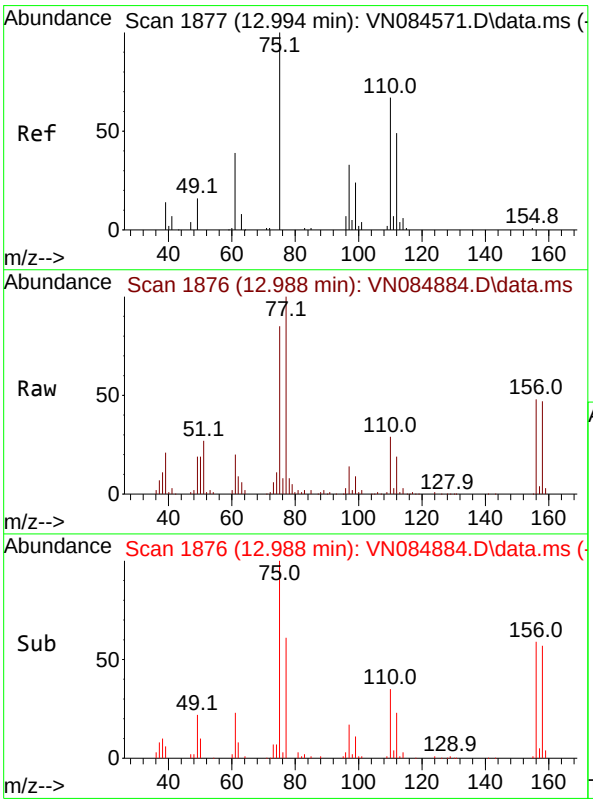
#75
1,1,2,2-Tetrachloroethane
Concen: 49.228 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 127059

Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.9	14.7
85	64.5	31.9	95.7

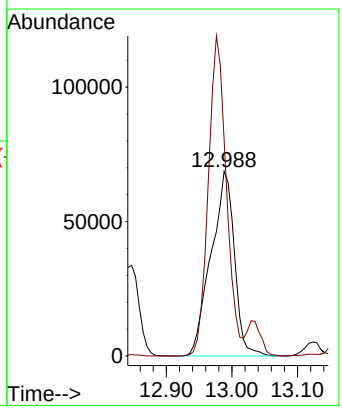


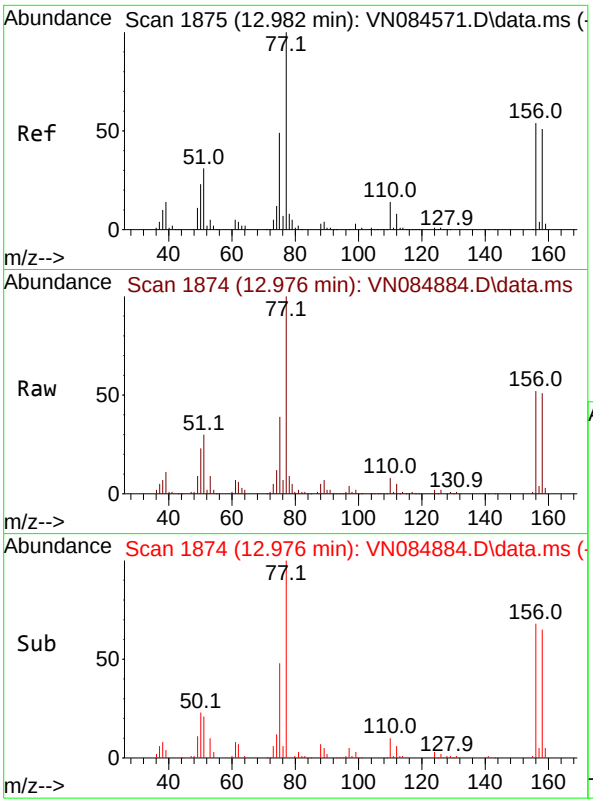


#76
1,2,3-Trichloropropane
Concen: 77.123 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 75 Resp: 170108

Ion	Ratio	Lower	Upper
75	100		
77	134.4	96.9	290.7



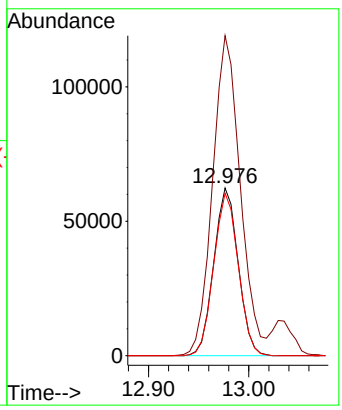


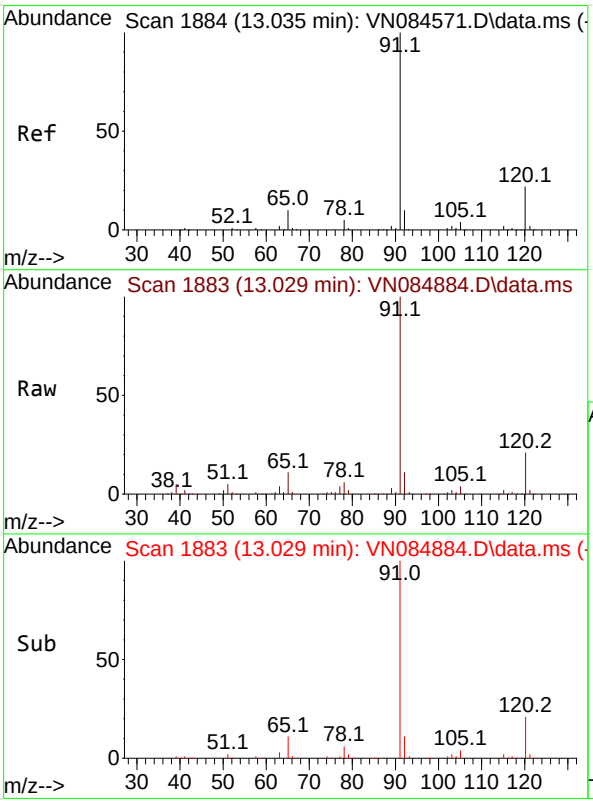
#77
Bromobenzene
Concen: 50.578 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 105138

Ion	Ratio	Lower	Upper
156	100		
77	217.4	115.1	345.3
158	97.3	48.9	146.8

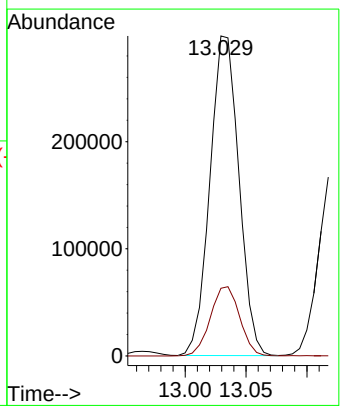


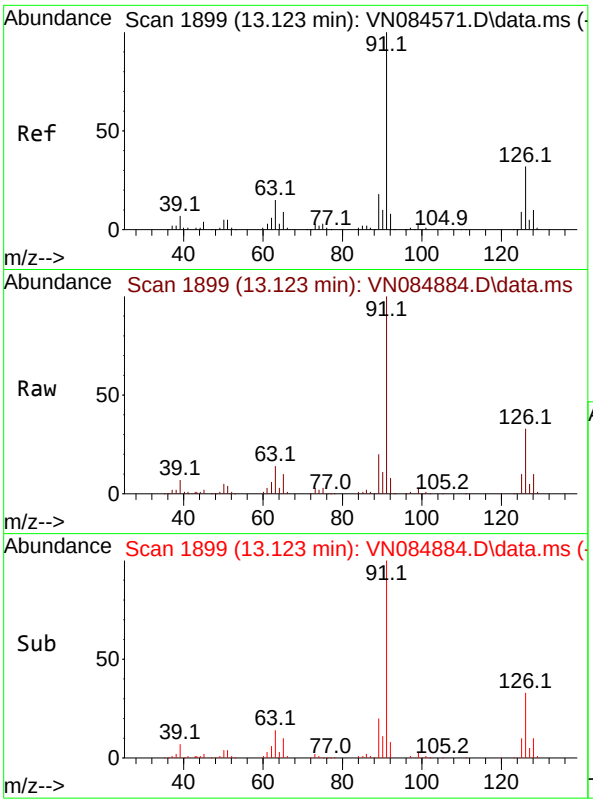


#78
n-propylbenzene
Concen: 54.586 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 91 Resp: 494615

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4



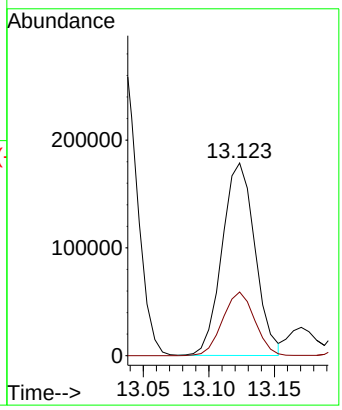


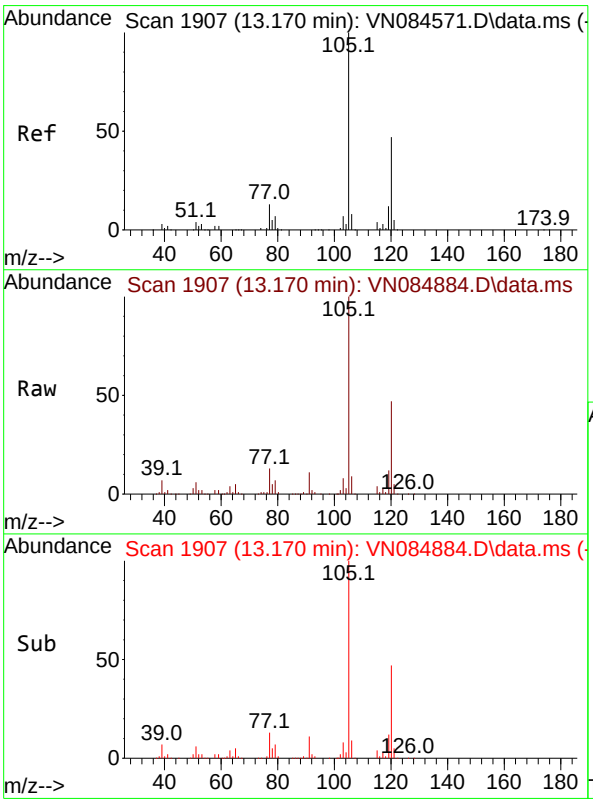
#79
2-Chlorotoluene
Concen: 52.777 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 312472

Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.7	47.1

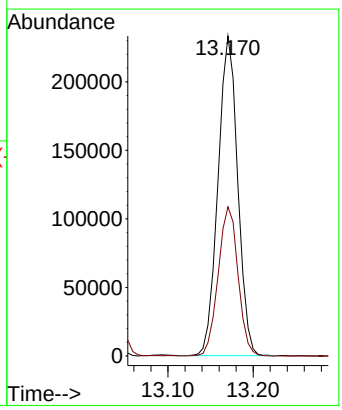


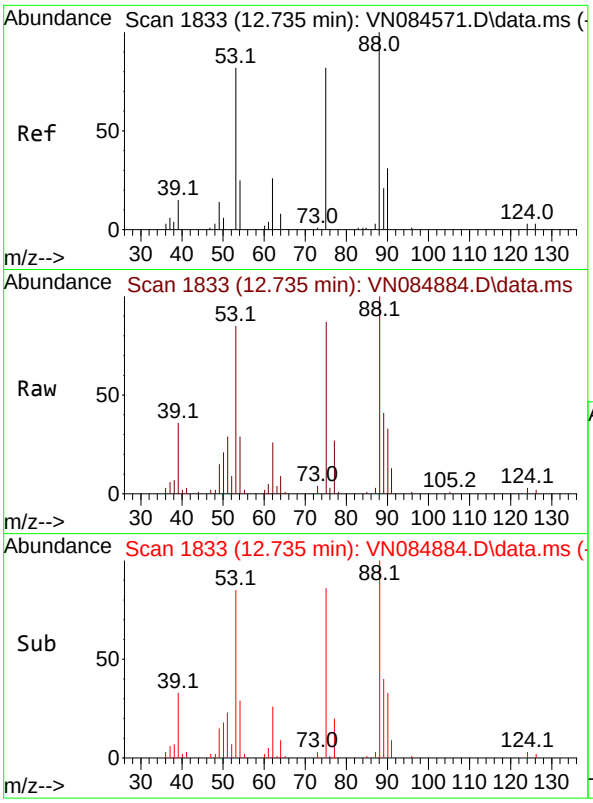


#80
1,3,5-Trimethylbenzene
Concen: 58.547 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:105 Resp: 375218

Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.7	71.1



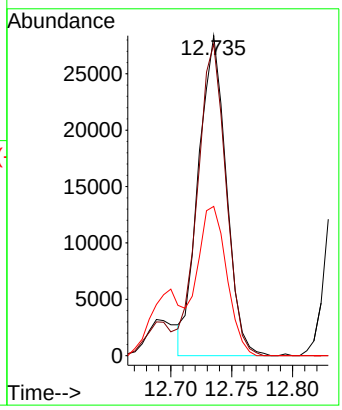


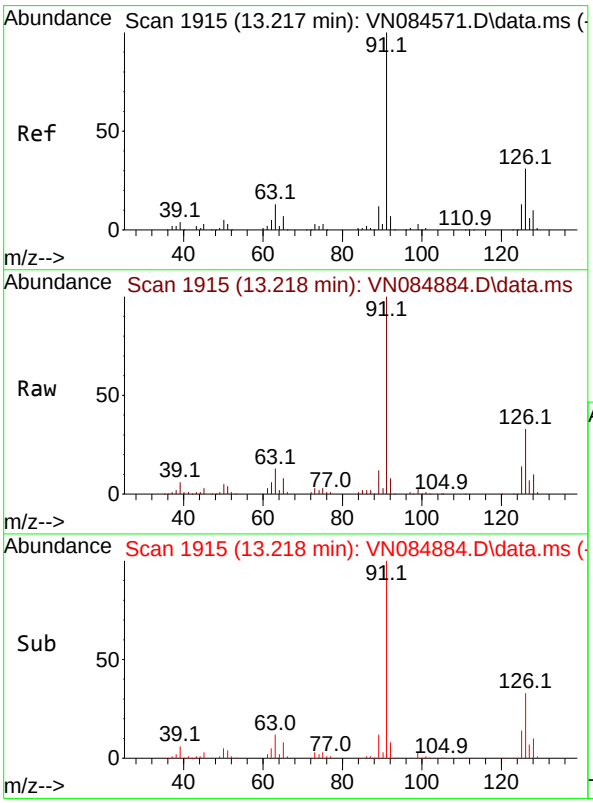
#81
trans-1,4-Dichloro-2-butene
Concen: 48.541 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 45130

Ion	Ratio	Lower	Upper
75	100		
53	100.5	78.0	117.0
89	48.8	35.5	53.3

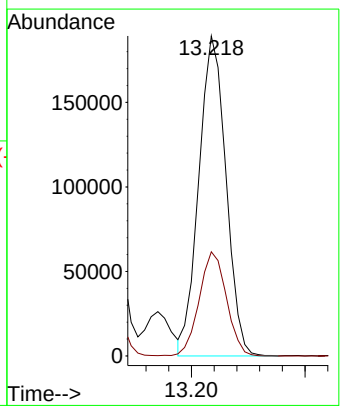


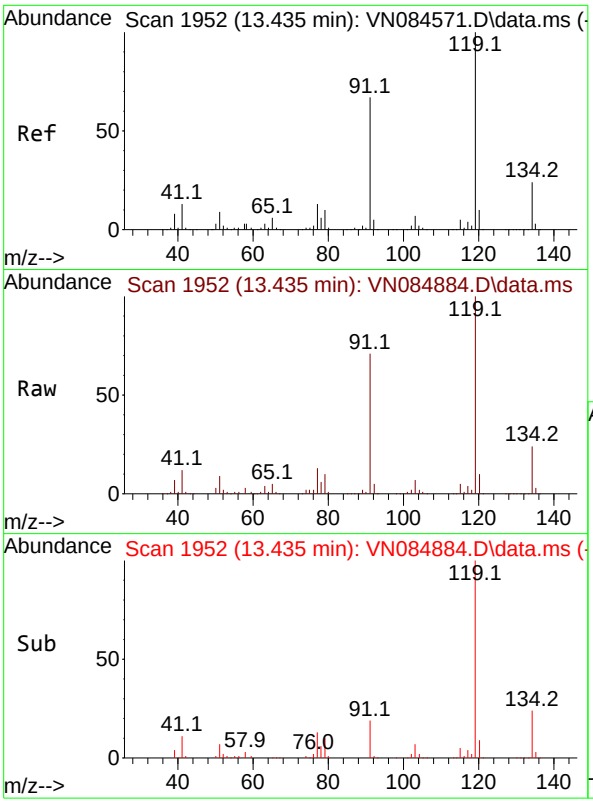


#82
4-Chlorotoluene
Concen: 50.394 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 91 Resp: 313997

Ion	Ratio	Lower	Upper
91	100		
126	32.7	15.7	47.1



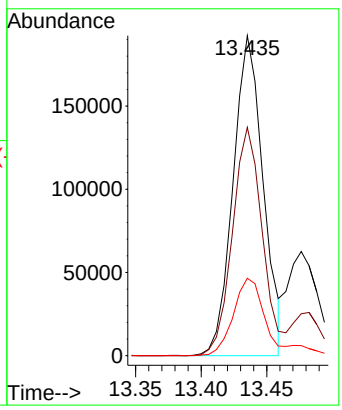


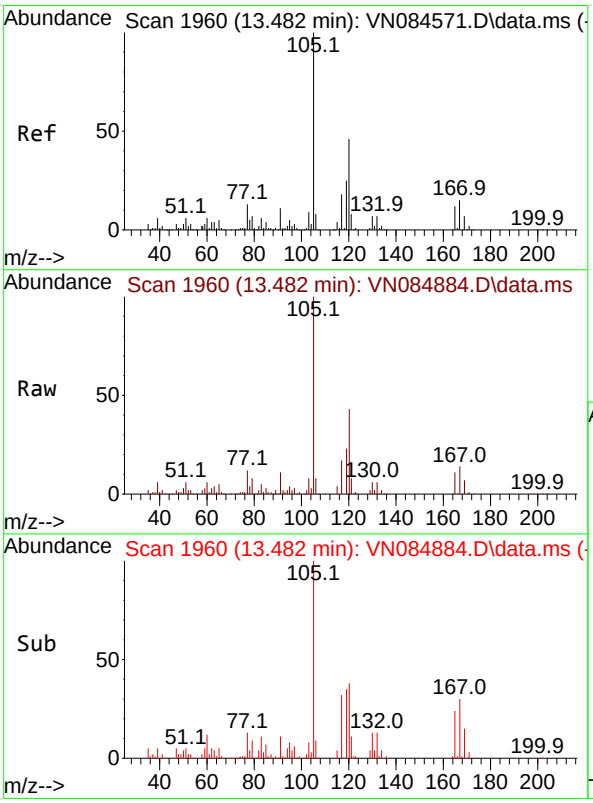
#83
tert-Butylbenzene
Concen: 57.713 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 306116

Ion	Ratio	Lower	Upper
119	100		
91	71.5	34.1	102.3
134	27.2	12.8	38.4

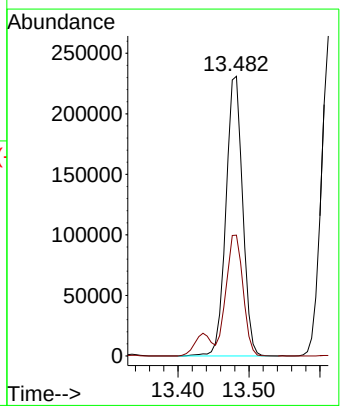


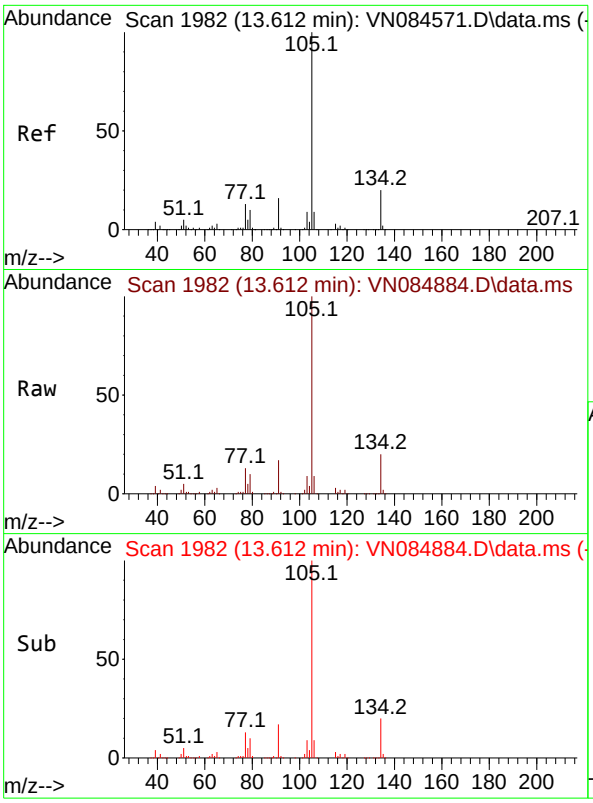


#84
1,2,4-Trimethylbenzene
Concen: 56.979 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:105 Resp: 376891

Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.3	66.8



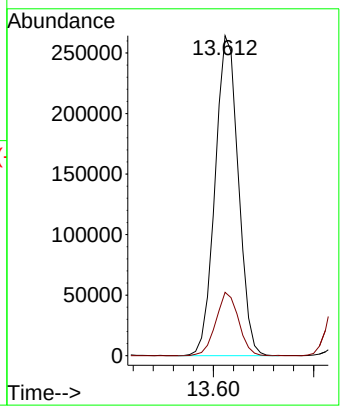


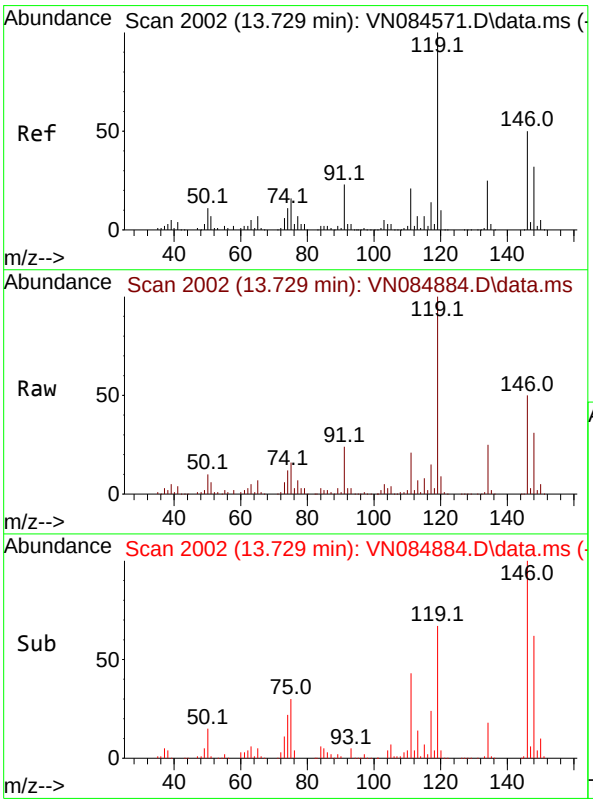
#85
sec-Butylbenzene
Concen: 56.730 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 425039

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4

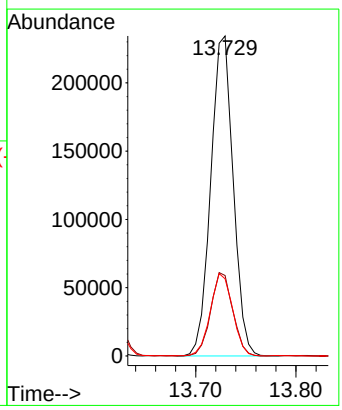


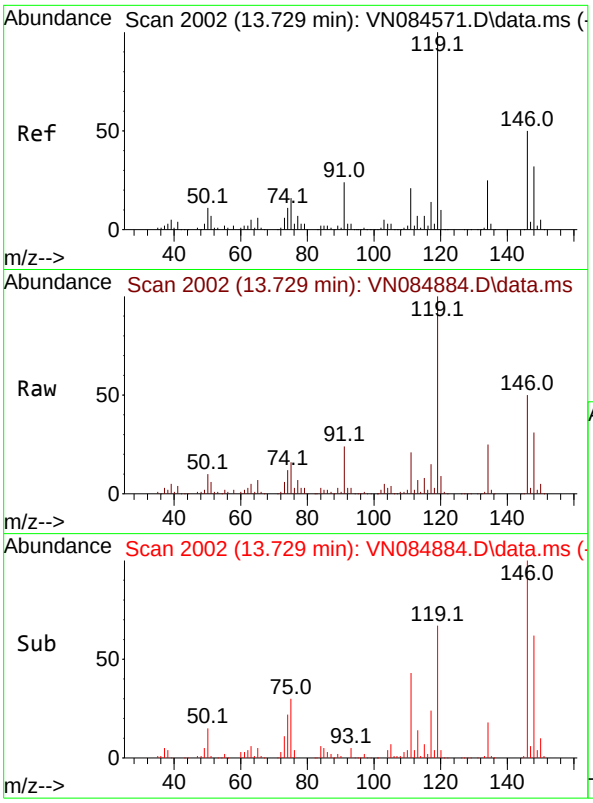


#86
p-Isopropyltoluene
Concen: 59.302 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:119 Resp: 364391

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.6	37.8
91	25.6	12.4	37.2



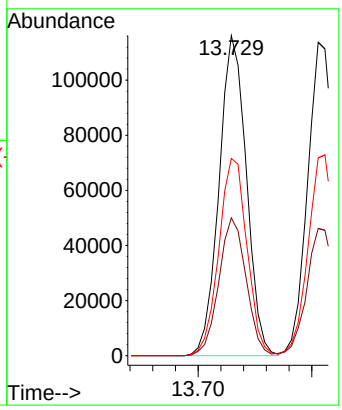


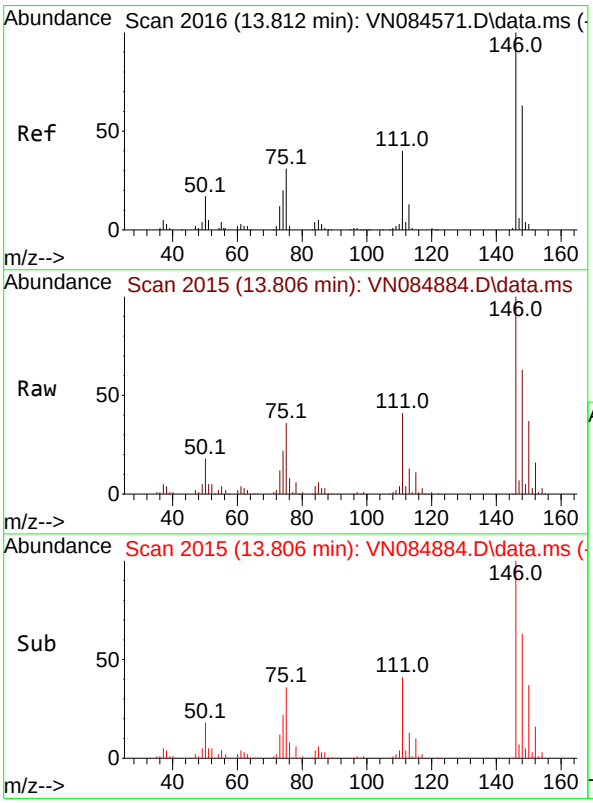
#87
1,3-Dichlorobenzene
Concen: 47.871 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 194204

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.8	65.3
148	63.5	31.9	95.7

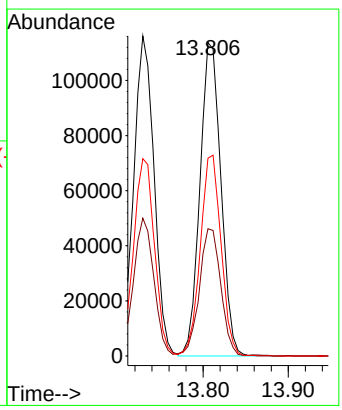


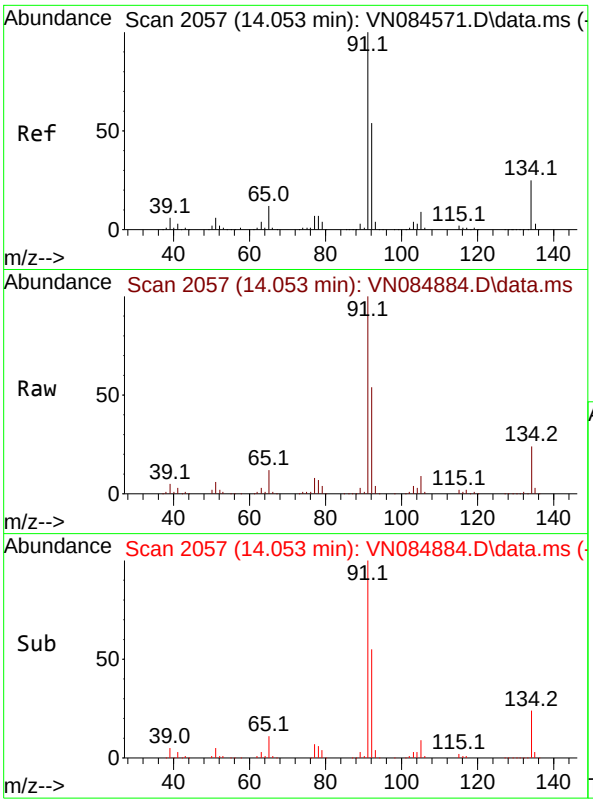


#88
1,4-Dichlorobenzene
Concen: 52.363 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:146 Resp: 194472

Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.2	63.6
148	63.4	31.9	95.9



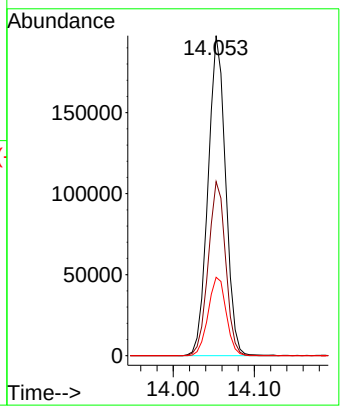


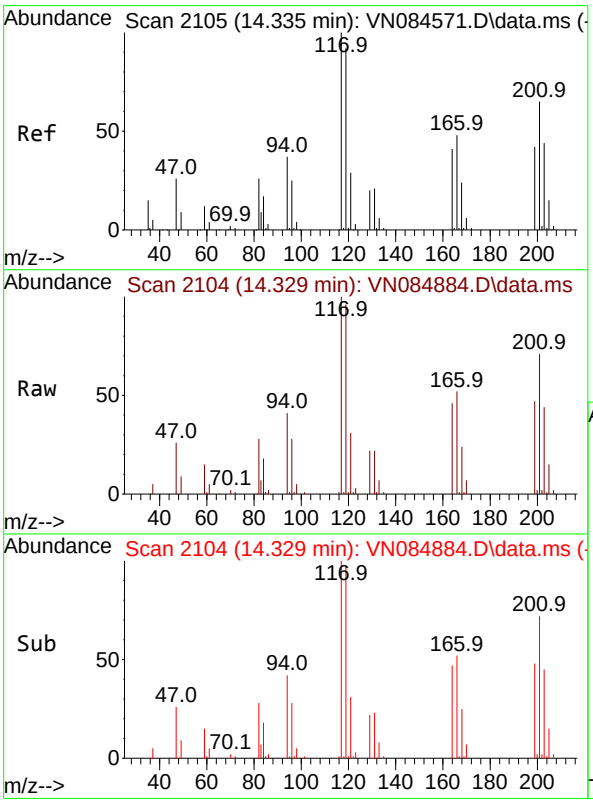
#89
n-Butylbenzene
Concen: 51.538 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 296231

Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.6	79.7
134	25.1	12.3	36.9

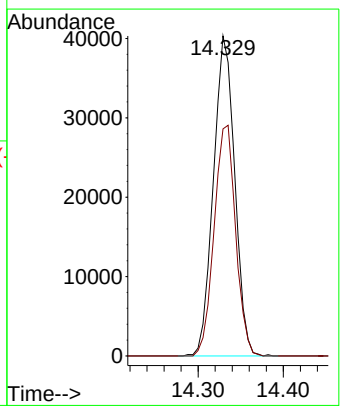


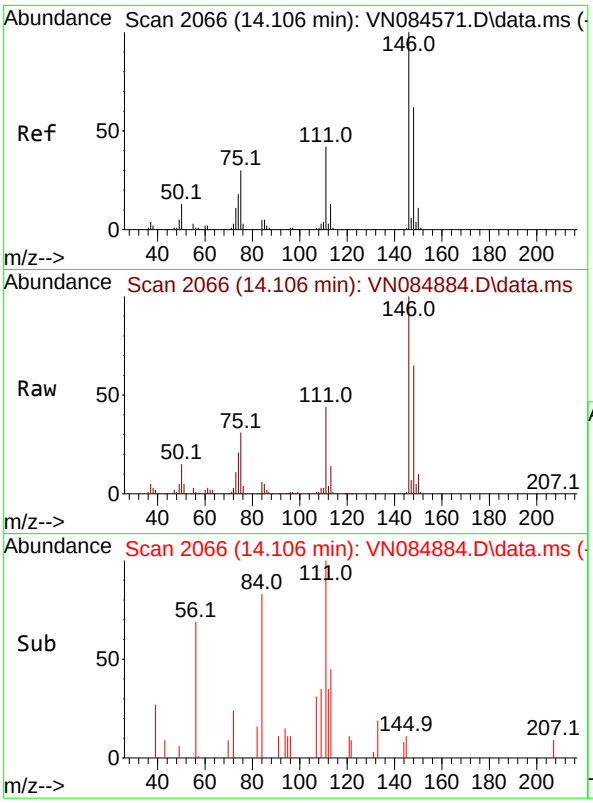


#90
Hexachloroethane
Concen: 51.106 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:117 Resp: 70031

Ion	Ratio	Lower	Upper
117	100		
201	72.7	34.4	103.2



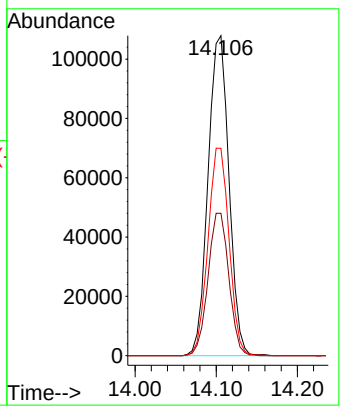


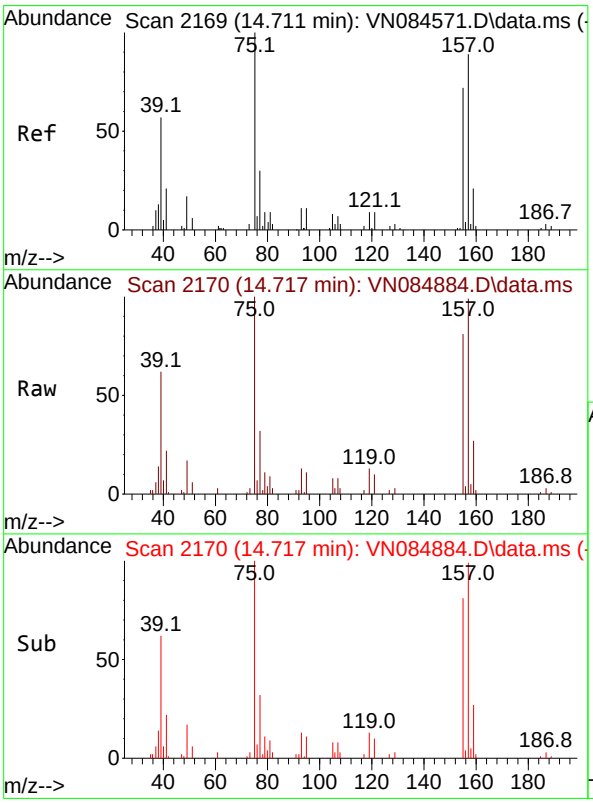
#91
1,2-Dichlorobenzene
Concen: 49.464 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 192828

Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.0	66.0
148	65.4	32.1	96.3

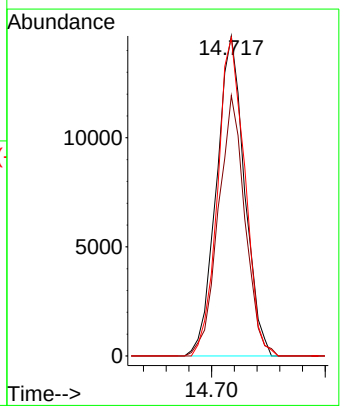


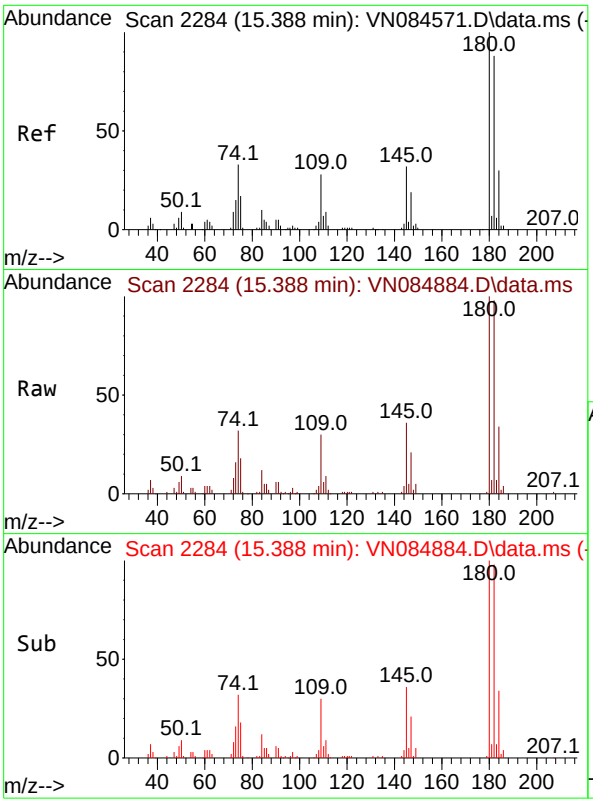


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.992 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion: 75 Resp: 25094

Ion	Ratio	Lower	Upper
75	100		
155	77.5	38.1	114.5
157	96.2	49.6	149.0



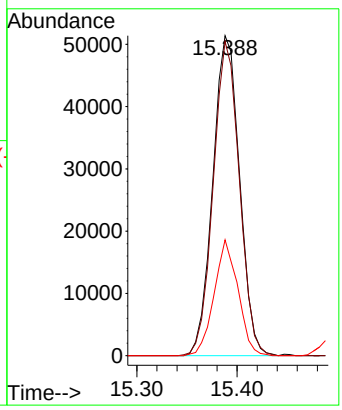


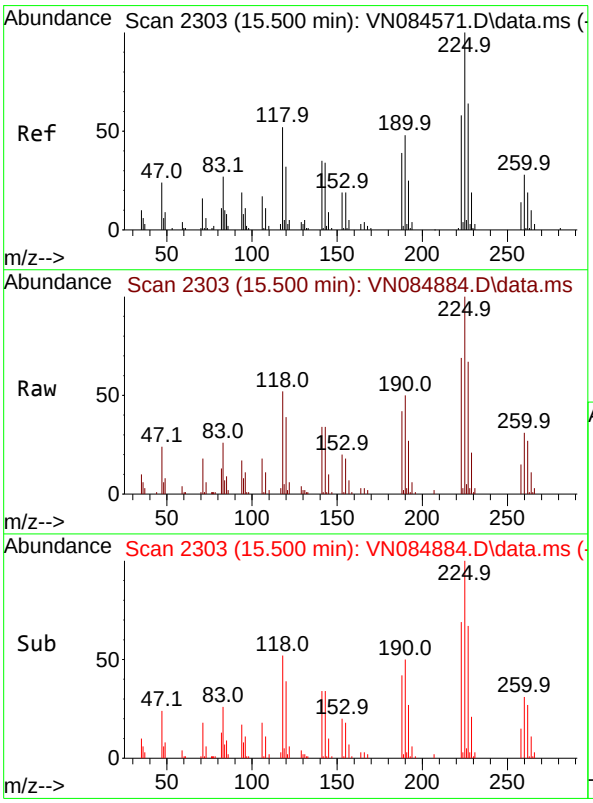
#93
1,2,4-Trichlorobenzene
Concen: 44.613 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 95193

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.0	141.0
145	32.3	16.4	49.4

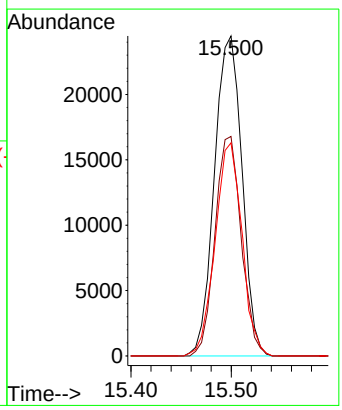


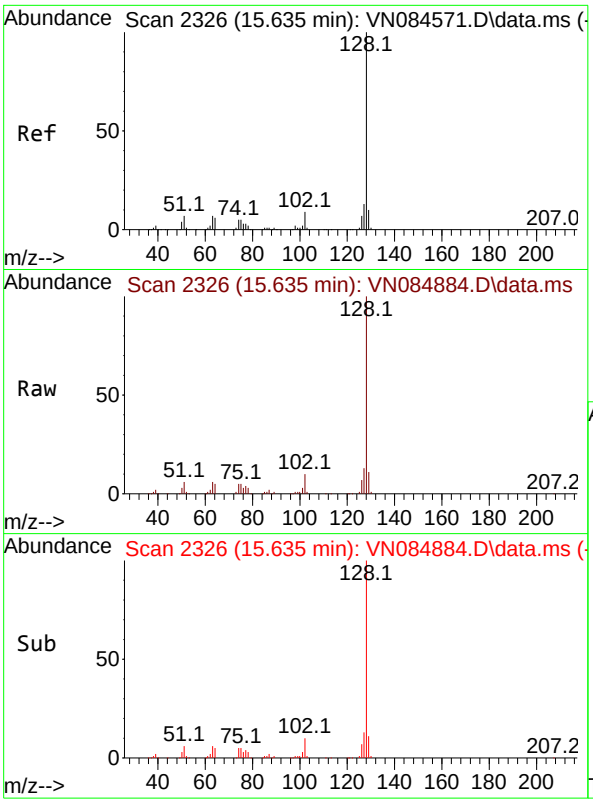


#94
Hexachlorobutadiene
Concen: 49.852 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:225 Resp: 46712

Ion	Ratio	Lower	Upper
225	100		
223	65.3	32.4	97.2
227	64.8	32.4	97.0



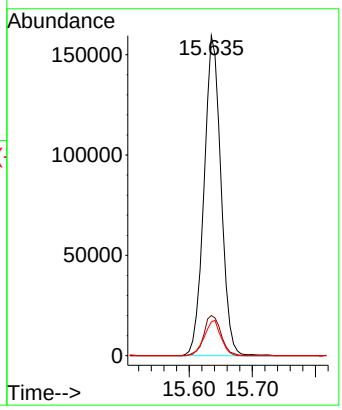


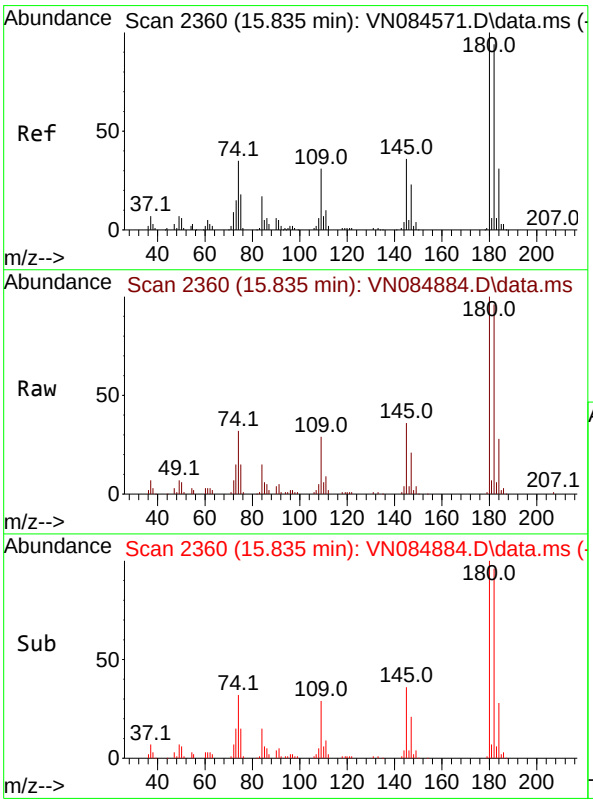
#95
Naphthalene
Concen: 46.460 ug/l
RT: 15.635 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 296724

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.8	8.7	13.1

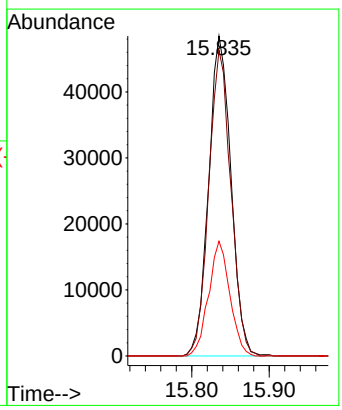




#96
1,2,3-Trichlorobenzene
Concen: 46.798 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084884.D
Acq: 17 Nov 2024 10:27

Tgt Ion:180 Resp: 96931

Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.2	144.6
145	34.2	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084887.D
Acq On : 17 Nov 2024 11:50
Operator : JC\MD
Sample : VN1117WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Quant Time: Nov 18 00:16:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	152221	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	245406	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	237456	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	124353	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	97806	44.486	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 88.980%			
35) Dibromofluoromethane	8.159	113	79099	47.618	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.240%			
50) Toluene-d8	10.565	98	312209	51.023	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.040%			
62) 4-Bromofluorobenzene	12.847	95	121951	53.327	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	33482	19.134	ug/l	96
3) Chloromethane	2.359	50	40896	18.320	ug/l	96
4) Vinyl Chloride	2.512	62	40518	21.528	ug/l	98
5) Bromomethane	2.901	94	21273	21.333	ug/l	96
6) Chloroethane	3.077	64	26808	22.236	ug/l	93
7) Trichlorofluoromethane	3.471	101	62456	20.145	ug/l	98
8) Diethyl Ether	3.959	74	20276	18.539	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.353	101	36137	20.628	ug/l #	87
10) Methyl Iodide	4.577	142	46260	19.758	ug/l	91
11) Tert butyl alcohol	5.536	59	25739	88.692	ug/l #	86
12) 1,1-Dichloroethene	4.324	96	32713	18.871	ug/l	89
13) Acrolein	4.165	56	24280	83.902	ug/l	100
14) Allyl chloride	5.012	41	49280	17.529	ug/l	94
15) Acrylonitrile	5.718	53	80067	95.302	ug/l	98
16) Acetone	4.424	43	60652	93.719	ug/l	99
17) Carbon Disulfide	4.695	76	86152	16.138	ug/l	96
18) Methyl Acetate	5.024	43	42081	15.375	ug/l	94
19) Methyl tert-butyl Ether	5.789	73	104057	19.585	ug/l	98
20) Methylene Chloride	5.265	84	37118	19.195	ug/l	85
21) trans-1,2-Dichloroethene	5.771	96	32531	18.276	ug/l	96
22) Diisopropyl ether	6.665	45	106104	18.995	ug/l	98
23) Vinyl Acetate	6.600	43	360361	93.547	ug/l	98
24) 1,1-Dichloroethane	6.565	63	63877	19.047	ug/l	94
25) 2-Butanone	7.483	43	98266	95.803	ug/l	97
26) 2,2-Dichloropropane	7.489	77	60746	20.811	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	38581	18.563	ug/l	98
28) Bromochloromethane	7.806	49	29096	21.776	ug/l	88
29) Tetrahydrofuran	7.836	42	64385	94.618	ug/l	95
30) Chloroform	7.959	83	67787	19.859	ug/l	96
31) Cyclohexane	8.247	56	54042	17.804	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	63994	20.598	ug/l	96
36) 1,1-Dichloropropene	8.365	75	44124	19.153	ug/l	98
37) Ethyl Acetate	7.553	43	42411	20.291	ug/l	98
38) Carbon Tetrachloride	8.359	117	56527	21.952	ug/l	92
39) Methylcyclohexane	9.594	83	45566	19.442	ug/l	99
40) Benzene	8.600	78	144450	19.524	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084887.D
Acq On : 17 Nov 2024 11:50
Operator : JC\MD
Sample : VN1117WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Quant Time: Nov 18 00:16:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	23599	20.995	ug/l		96
42) 1,2-Dichloroethane	8.665	62	50652	21.140	ug/l		98
43) Isopropyl Acetate	8.688	43	74424	18.669	ug/l		98
44) Trichloroethene	9.347	130	33330	19.534	ug/l		98
45) 1,2-Dichloropropane	9.618	63	34329	19.780	ug/l		98
46) Dibromomethane	9.706	93	25116	20.509	ug/l		95
47) Bromodichloromethane	9.883	83	56164	21.757	ug/l		98
48) Methyl methacrylate	9.677	41	31939	19.634	ug/l		94
49) 1,4-Dioxane	9.694	88	12299	426.655	ug/l	#	79
51) 4-Methyl-2-Pentanone	10.441	43	242457	121.681	ug/l		98
52) Toluene	10.624	92	100207	23.159	ug/l		99
53) t-1,3-Dichloropropene	10.829	75	55520	20.778	ug/l		99
54) cis-1,3-Dichloropropene	10.306	75	62094	21.956	ug/l		94
55) 1,1,2-Trichloroethane	11.018	97	37735	23.152	ug/l		98
56) Ethyl methacrylate	10.871	69	56149	23.816	ug/l		95
57) 1,3-Dichloropropane	11.159	76	64356	23.007	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	92951	84.256	ug/l		93
59) 2-Hexanone	11.194	43	177482	122.372	ug/l		100
60) Dibromochloromethane	11.359	129	44738	24.084	ug/l		100
61) 1,2-Dibromoethane	11.465	107	38062	22.804	ug/l		100
64) Tetrachloroethene	11.100	164	32974	20.877	ug/l		95
65) Chlorobenzene	11.888	112	105672	19.892	ug/l		92
66) 1,1,1,2-Tetrachloroethane	11.959	131	38455	20.811	ug/l		99
67) Ethyl Benzene	11.959	91	174156	19.640	ug/l		98
68) m/p-Xylenes	12.071	106	139516	41.559	ug/l		99
69) o-Xylene	12.394	106	67119	21.372	ug/l		99
70) Styrene	12.412	104	113957	20.801	ug/l		99
71) Bromoform	12.576	173	30083	21.636	ug/l	#	99
73) Isopropylbenzene	12.694	105	167648	19.238	ug/l		100
74) N-amyl acetate	12.494	43	71216	19.201	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.935	83	57353	19.717	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	72078	28.996	ug/l		60
77) Bromobenzene	12.976	156	41923	17.895	ug/l		99
78) n-propylbenzene	13.035	91	197703	19.360	ug/l		99
79) 2-Chlorotoluene	13.123	91	128127	19.202	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	146613	20.299	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	18945	18.081	ug/l		90
82) 4-Chlorotoluene	13.218	91	129830	18.489	ug/l		99
83) tert-Butylbenzene	13.435	119	119970	20.070	ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	150913	20.245	ug/l		98
85) sec-Butylbenzene	13.612	105	165605	19.613	ug/l		99
86) p-Isopropyltoluene	13.729	119	138725	20.033	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	79850	17.465	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	82241	18.909	ug/l		98
89) n-Butylbenzene	14.053	91	111622	17.232	ug/l		98
90) Hexachloroethane	14.335	117	27964	18.108	ug/l		96
91) 1,2-Dichlorobenzene	14.106	146	79916	18.190	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10700	18.158	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	35324	14.690	ug/l		99
94) Hexachlorobutadiene	15.500	225	18663	17.673	ug/l		94
95) Naphthalene	15.641	128	108489	15.073	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	35810	15.341	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084887.D
Acq On : 17 Nov 2024 11:50
Operator : JC\MD
Sample : VN1117WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Quant Time: Nov 18 00:16:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

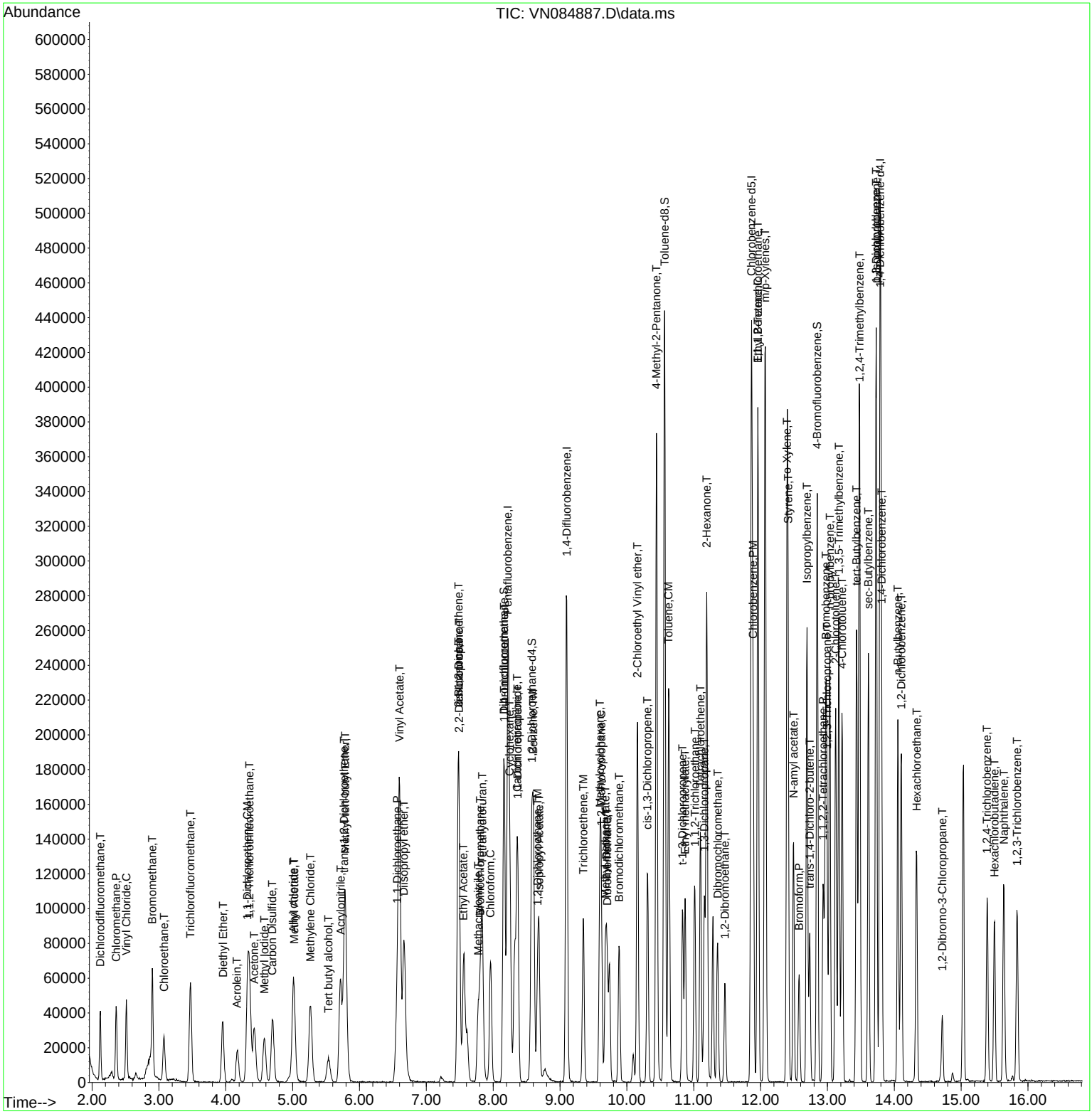
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

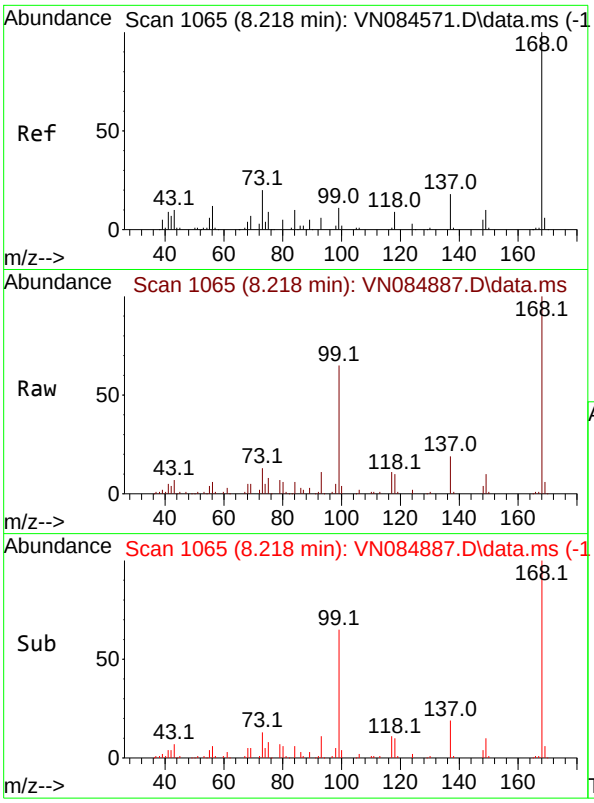
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084887.D
Acq On : 17 Nov 2024 11:50
Operator : JC\MD
Sample : VN1117WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Quant Time: Nov 18 00:16:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



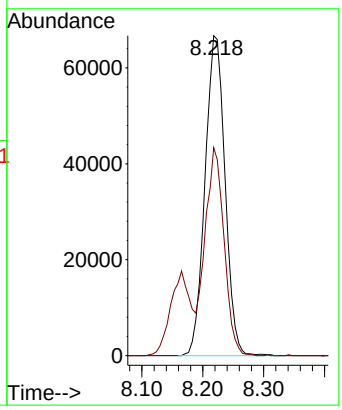


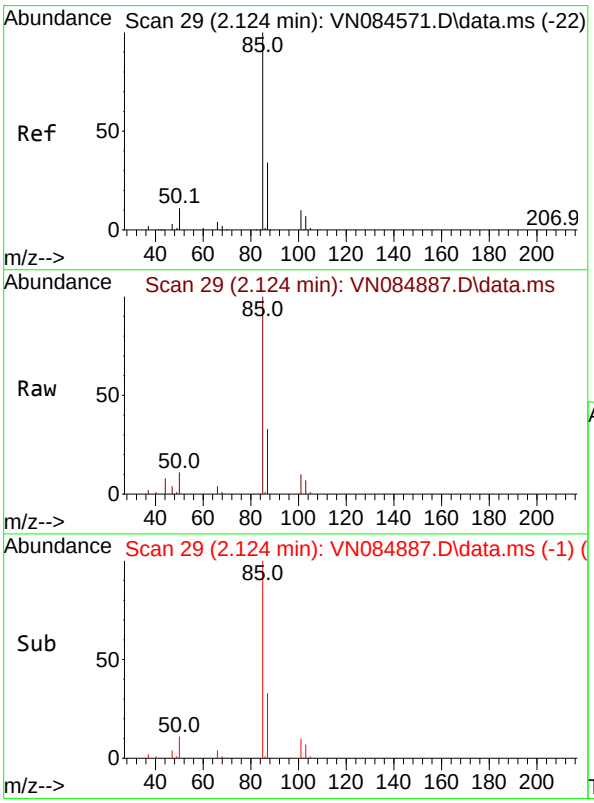
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion:168 Resp: 152221

Ion	Ratio	Lower	Upper
168	100		
99	65.0	54.2	81.2

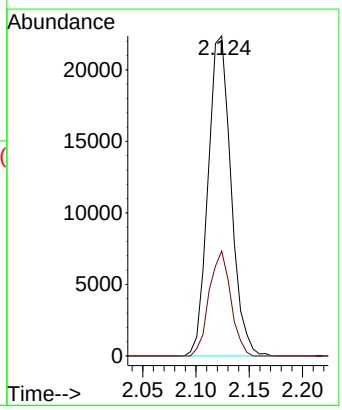


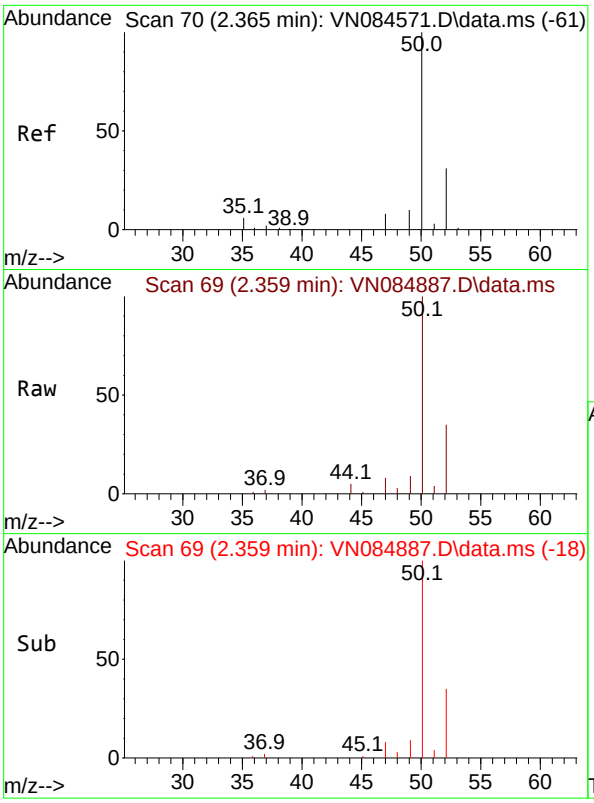


#2
Dichlorodifluoromethane
Concen: 19.134 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 85 Resp: 33482

Ion	Ratio	Lower	Upper
85	100		
87	32.8	17.6	52.9



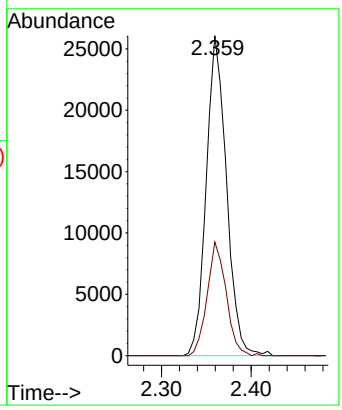


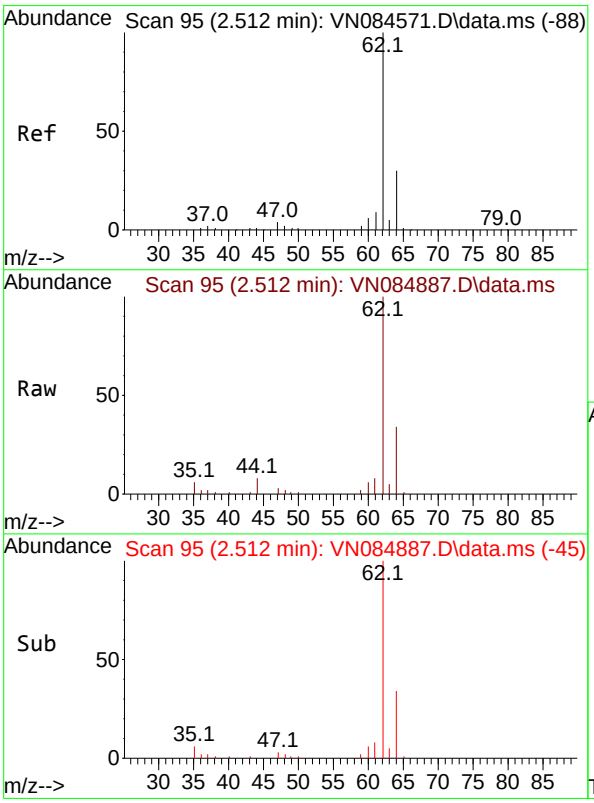
#3
Chloromethane
Concen: 18.320 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion: 50 Resp: 40896

Ion	Ratio	Lower	Upper
50	100		
52	35.5	26.8	40.2

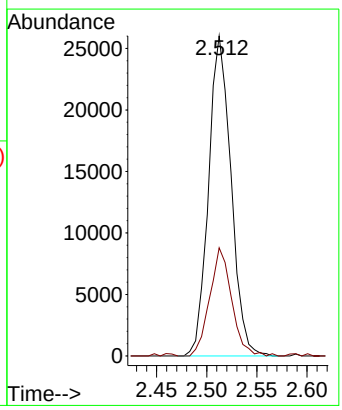


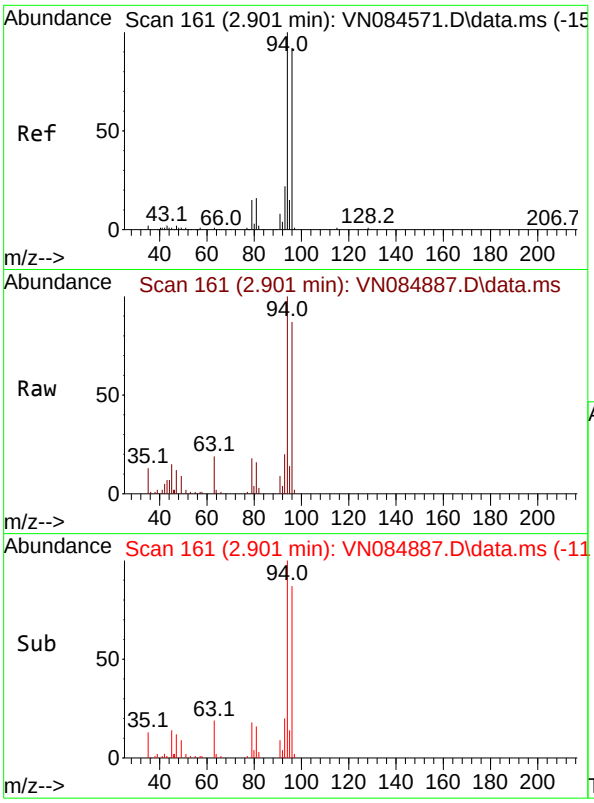


#4
Vinyl Chloride
Concen: 21.528 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 62 Resp: 40518

Ion	Ratio	Lower	Upper
62	100		
64	33.8	26.2	39.4



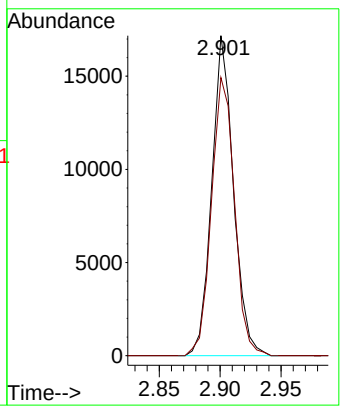


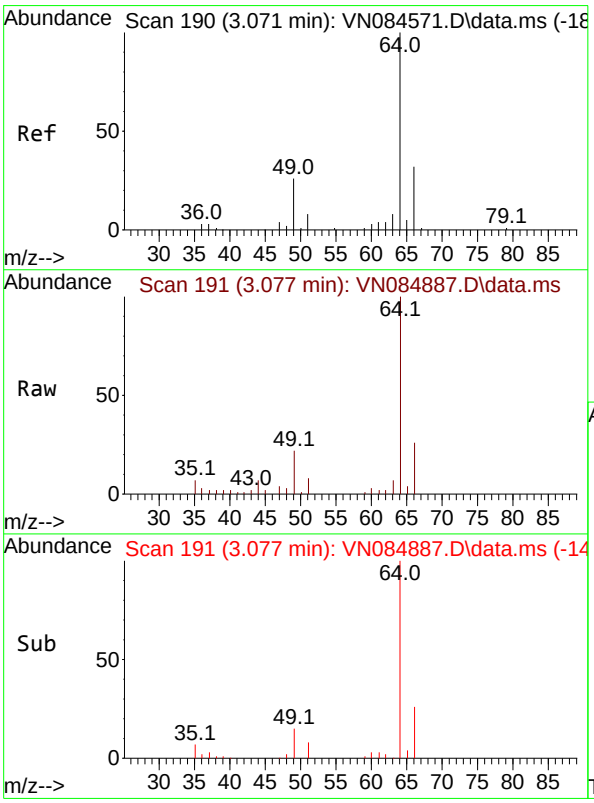
#5
Bromomethane
Concen: 21.333 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.052 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion: 94 Resp: 21273

Ion	Ratio	Lower	Upper
94	100		
96	86.9	72.9	109.3

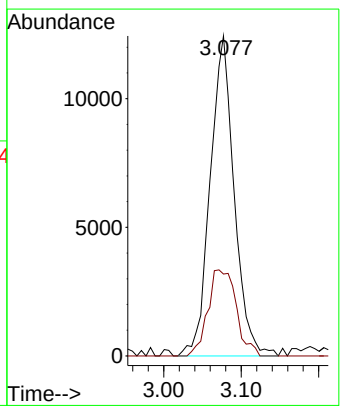


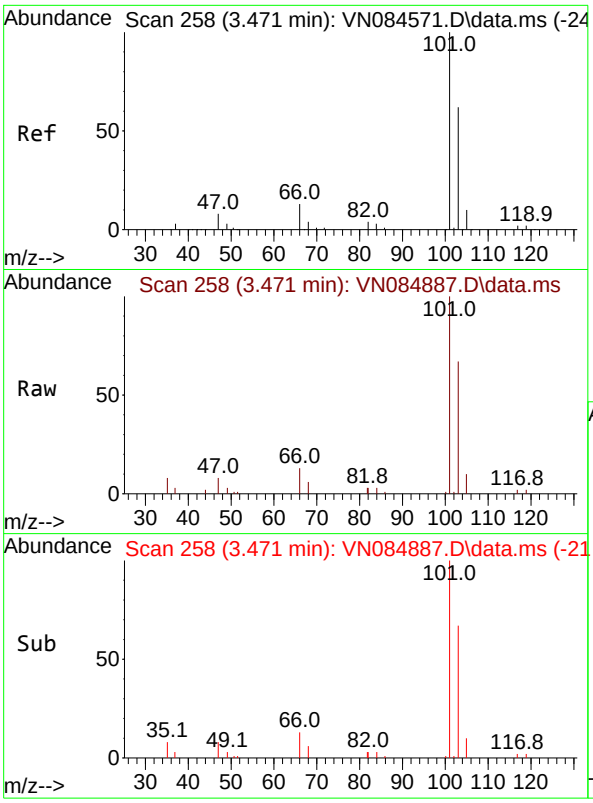


#6
Chloroethane
Concen: 22.236 ug/l
RT: 3.077 min Scan# 191
Delta R.T. -0.041 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 64 Resp: 26808

Ion	Ratio	Lower	Upper
64	100		
66	25.6	23.5	35.3



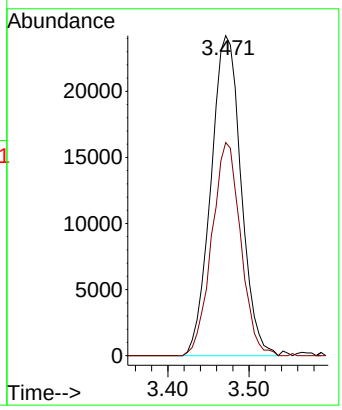


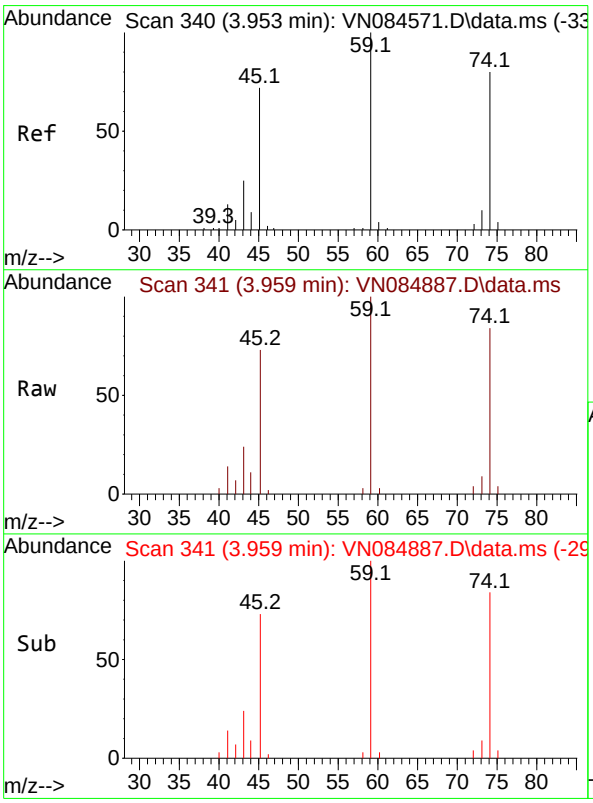
#7
Trichlorofluoromethane
Concen: 20.145 ug/l
RT: 3.471 min Scan# 2
Delta R.T. -0.024 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion:101 Resp: 62456

Ion	Ratio	Lower	Upper
101	100		
103	66.6	51.8	77.6

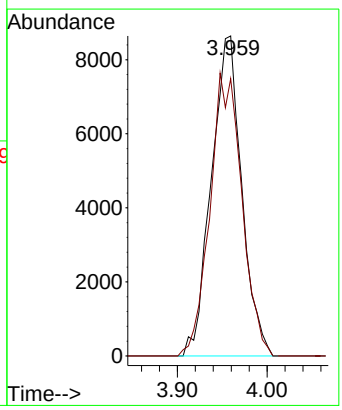


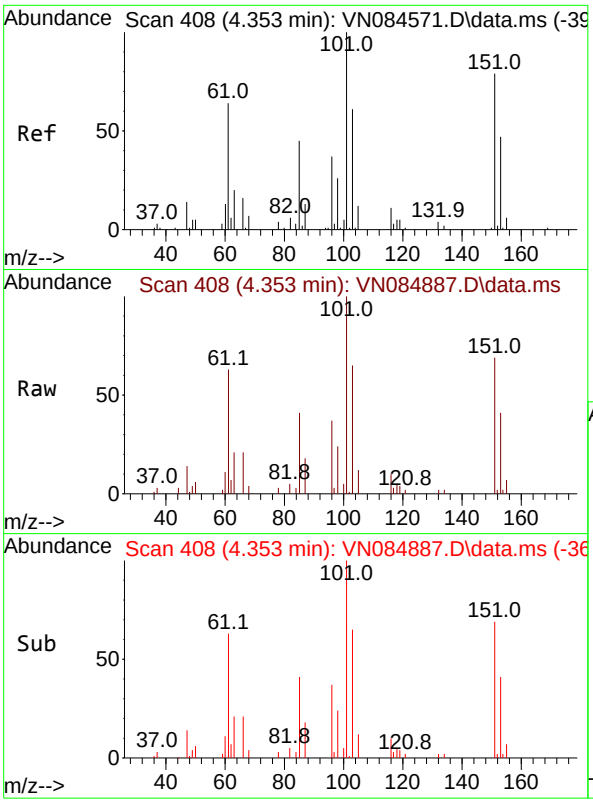


#8
Diethyl Ether
Concen: 18.539 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 74 Resp: 20276

Ion	Ratio	Lower	Upper
74	100		
45	92.9	47.7	143.1



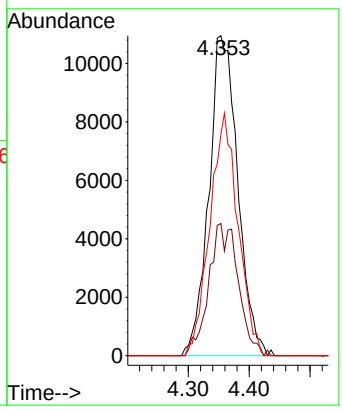


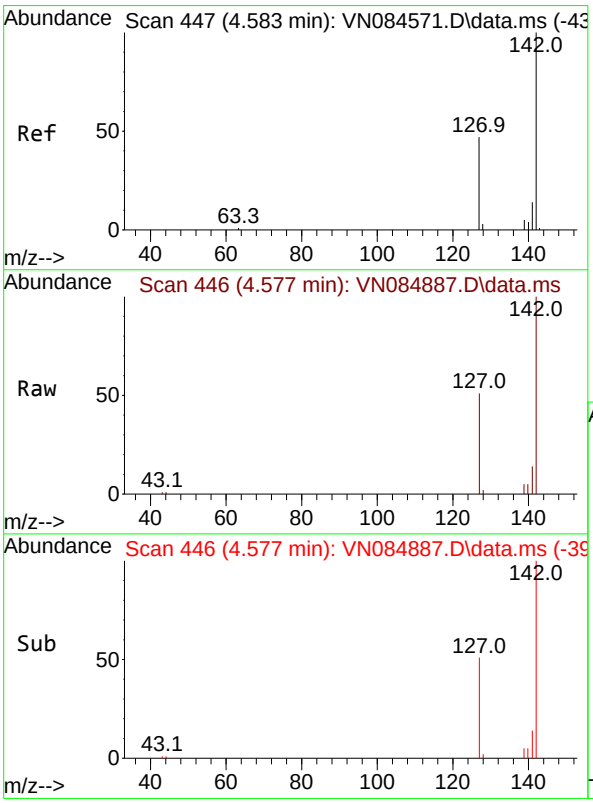
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.628 ug/l
RT: 4.353 min Scan# 4(
Delta R.T. -0.018 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion:101 Resp: 36137

Ion	Ratio	Lower	Upper
101	100		
85	23.6	36.2	54.4#
151	73.7	59.3	88.9

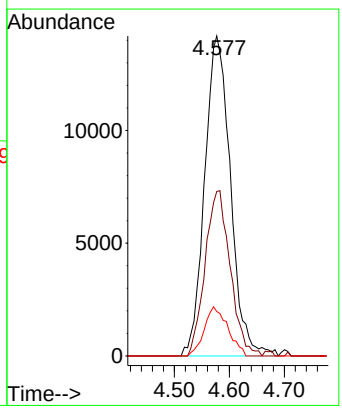


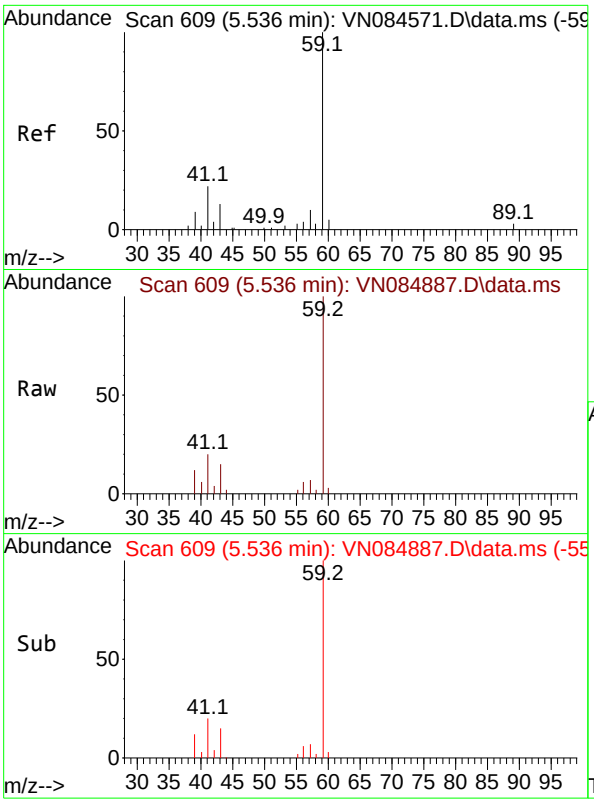


#10
Methyl Iodide
Concen: 19.758 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:142 Resp: 46260

Ion	Ratio	Lower	Upper
142	100		
127	51.4	35.3	52.9
141	13.9	11.0	16.6



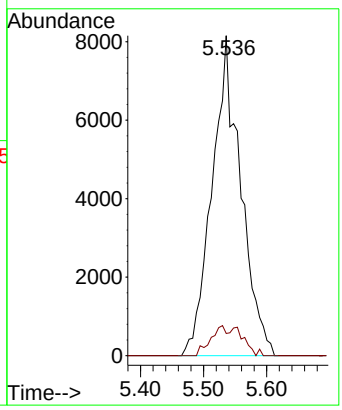


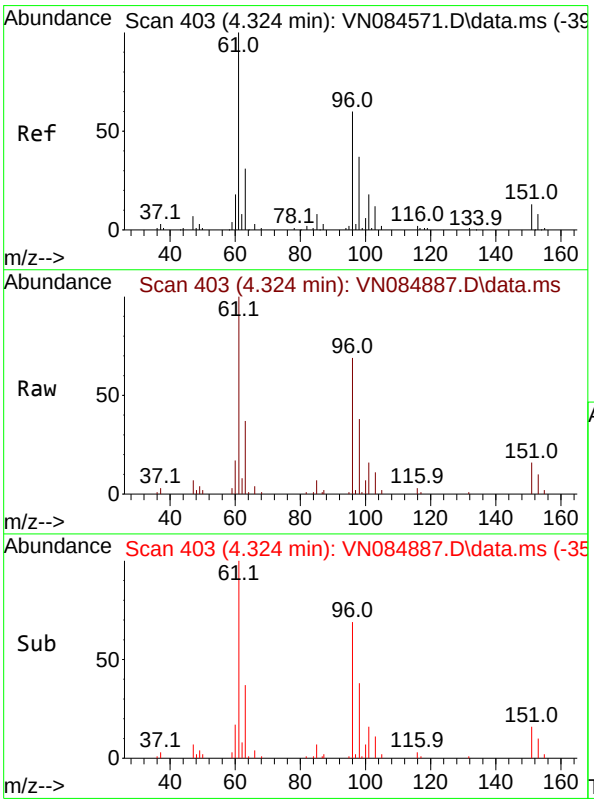
#11
Tert butyl alcohol
Concen: 88.692 ug/l
RT: 5.536 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion: 59 Resp: 25739

Ion	Ratio	Lower	Upper
59	100		
57	5.2	8.2	12.2#

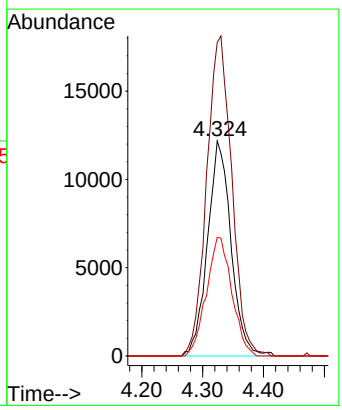


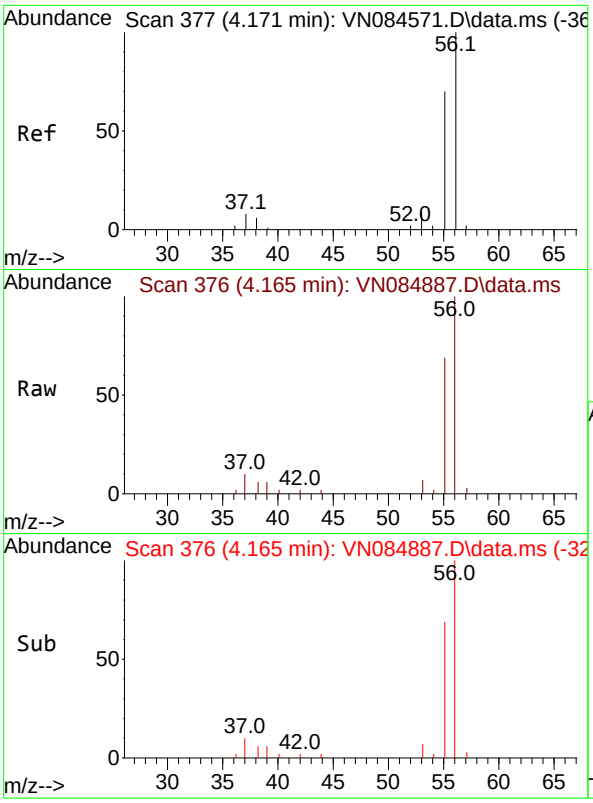


#12
1,1-Dichloroethene
Concen: 18.871 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 96 Resp: 32713

Ion	Ratio	Lower	Upper
96	100		
61	145.9	128.6	192.8
98	55.1	51.7	77.5



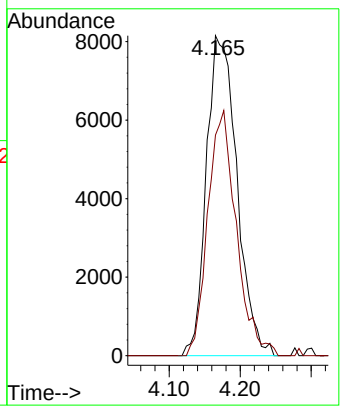


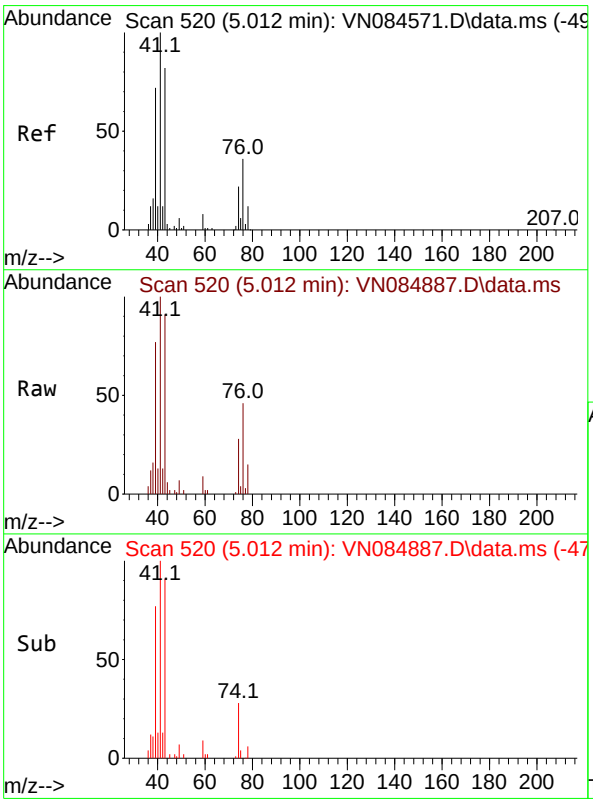
#13
Acrolein
Concen: 83.902 ug/l
RT: 4.165 min Scan# 3
Delta R.T. -0.012 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion: 56 Resp: 24280

Ion	Ratio	Lower	Upper
56	100		
55	71.7	57.2	85.8

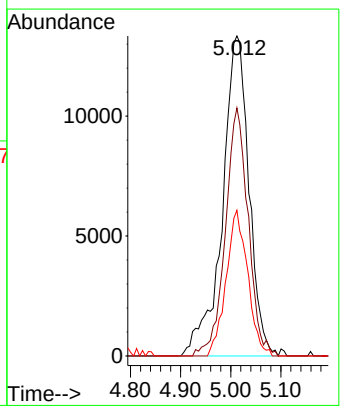


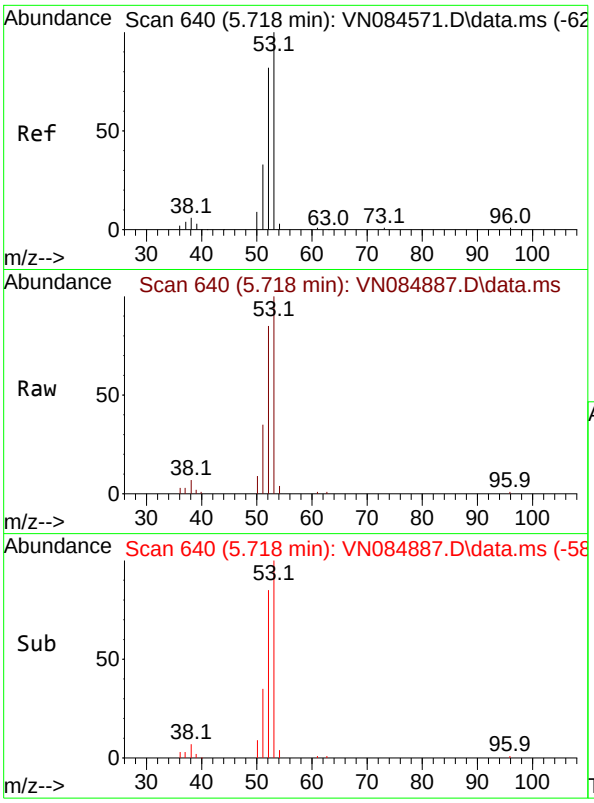


#14
Allyl chloride
Concen: 17.529 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 41 Resp: 49280

Ion	Ratio	Lower	Upper
41	100		
39	66.3	59.0	88.6
76	36.9	29.8	44.6



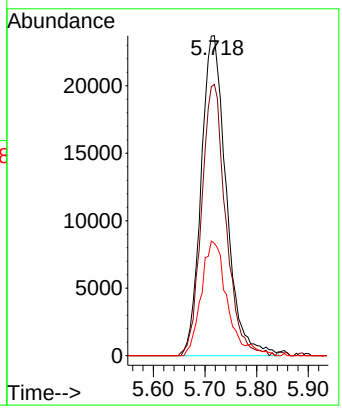


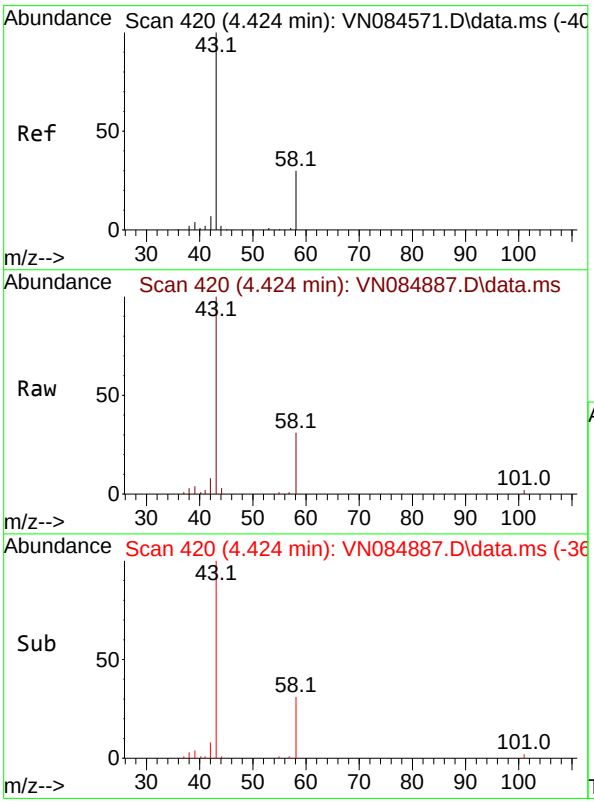
#15
Acrylonitrile
Concen: 95.302 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion: 53 Resp: 80067

Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.2	99.4
51	37.1	28.8	43.2

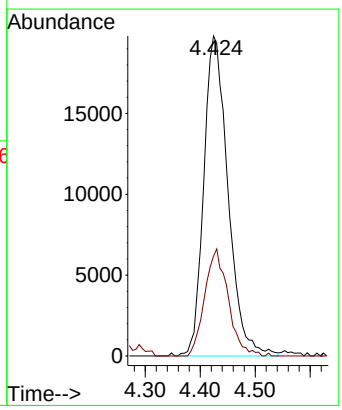


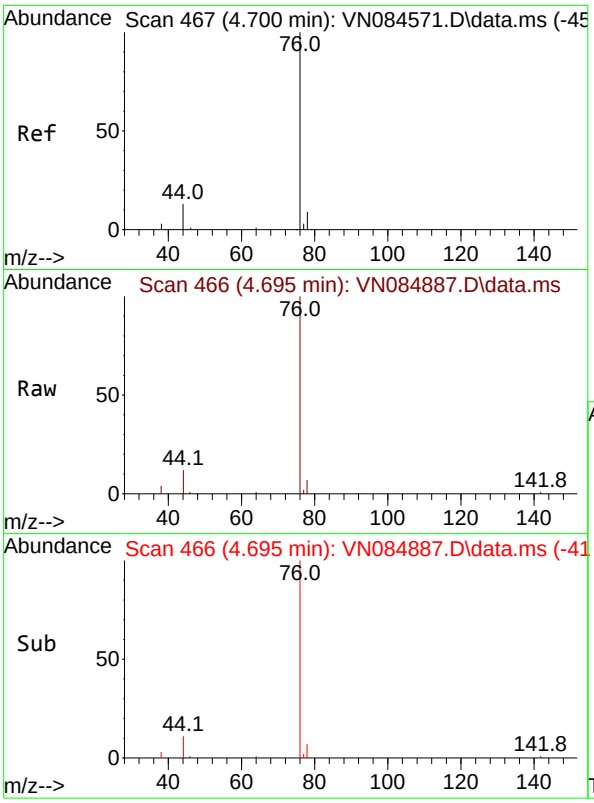


#16
Acetone
Concen: 93.719 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 43 Resp: 60652

Ion	Ratio	Lower	Upper
43	100		
58	31.2	24.4	36.6



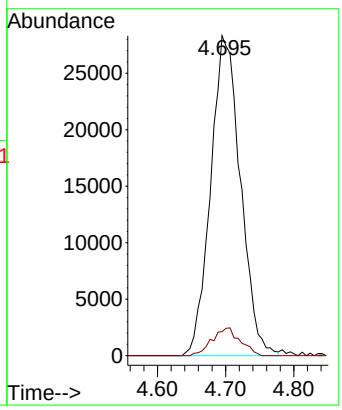


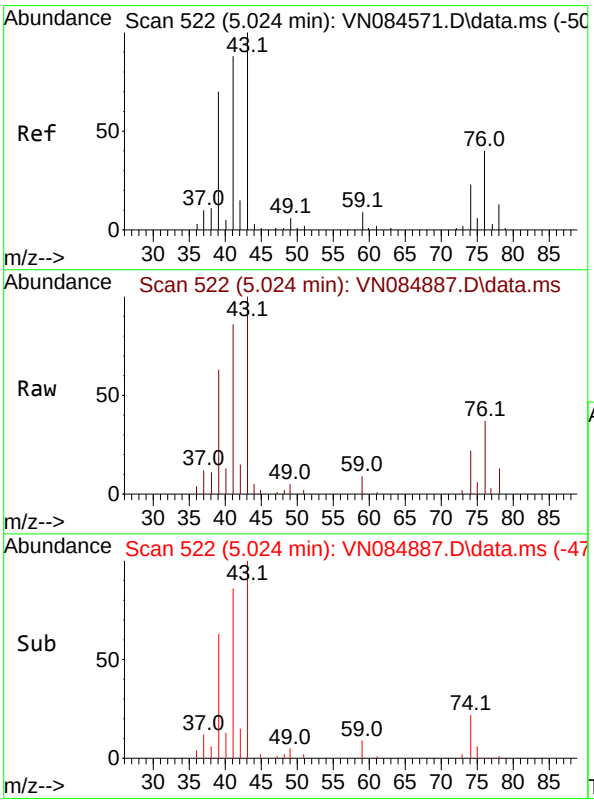
#17
Carbon Disulfide
Concen: 16.138 ug/l
RT: 4.695 min Scan# 4
Delta R.T. -0.017 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion: 76 Resp: 86152

Ion	Ratio	Lower	Upper
76	100		
78	7.5	7.3	10.9

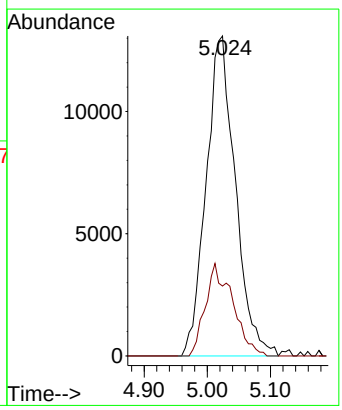


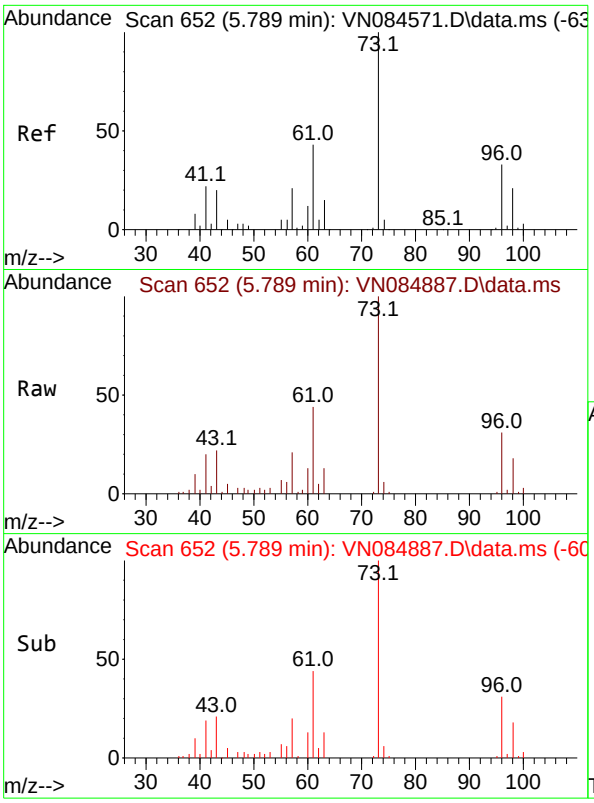


#18
Methyl Acetate
Concen: 15.375 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 43 Resp: 42081

Ion	Ratio	Lower	Upper
43	100		
74	27.2	19.2	28.8



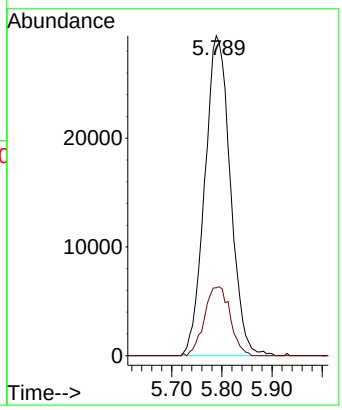


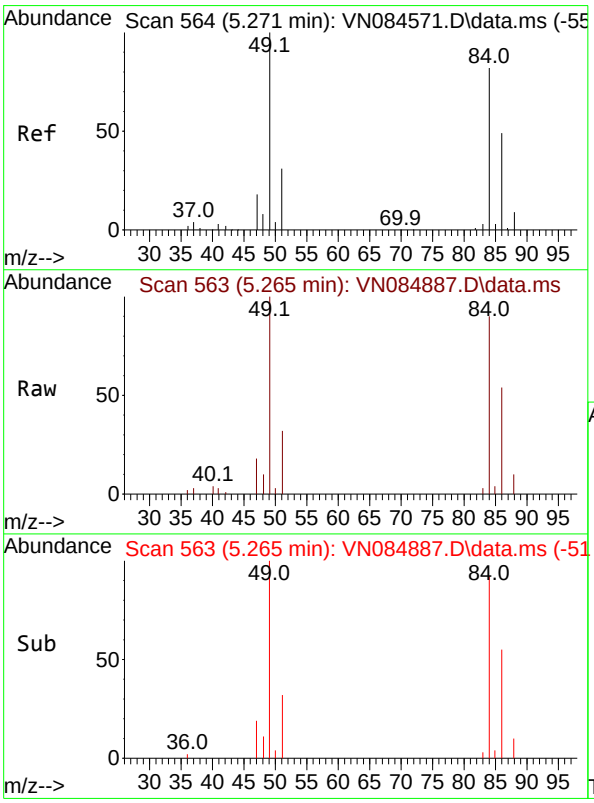
#19
Methyl tert-butyl Ether
Concen: 19.585 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion: 73 Resp: 104057

Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.7	26.5

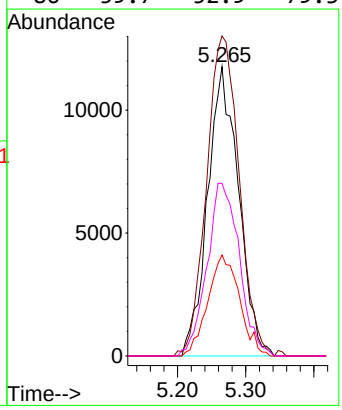


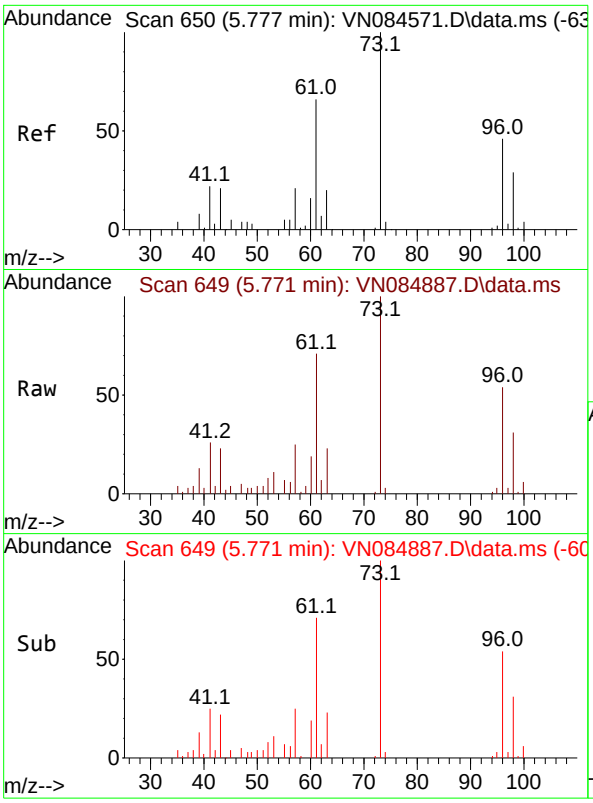


#20
Methylene Chloride
Concen: 19.195 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 84 Resp: 37118

Ion	Ratio	Lower	Upper
84	100		
49	108.8	107.2	160.8
51	34.9	31.8	47.8
86	59.7	52.9	79.3



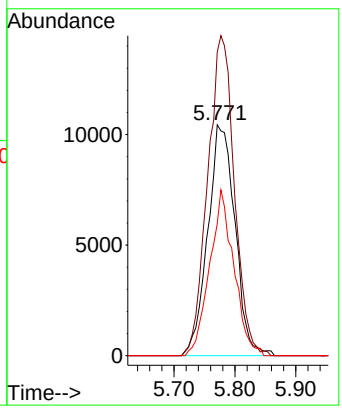


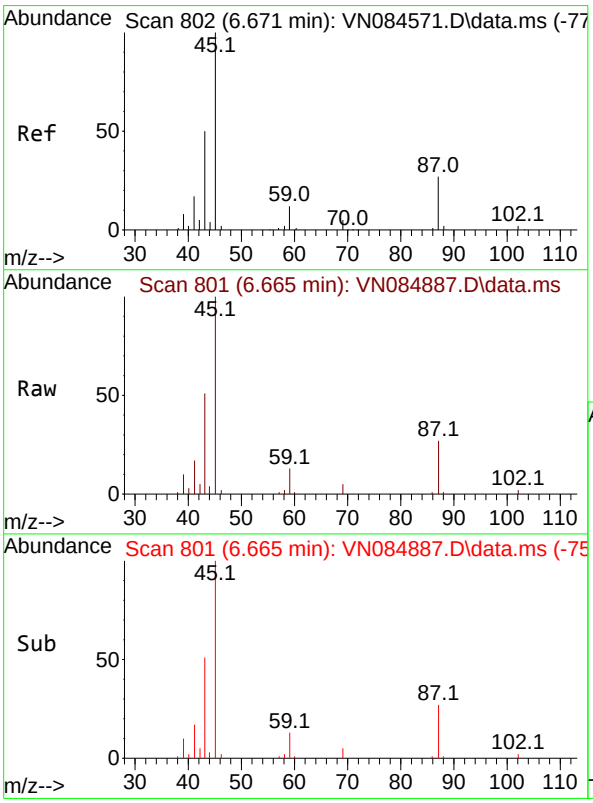
#21
trans-1,2-Dichloroethene
Concen: 18.276 ug/l
RT: 5.771 min Scan# 64
Delta R.T. -0.018 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion: 96 Resp: 32531

Ion	Ratio	Lower	Upper
96	100		
61	131.5	108.4	162.6
98	57.1	49.8	74.8

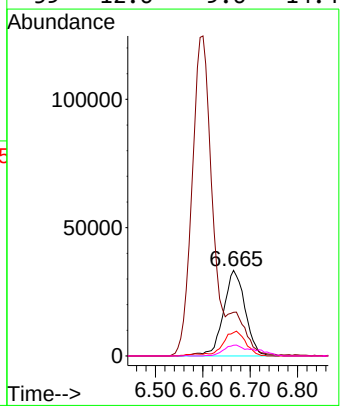


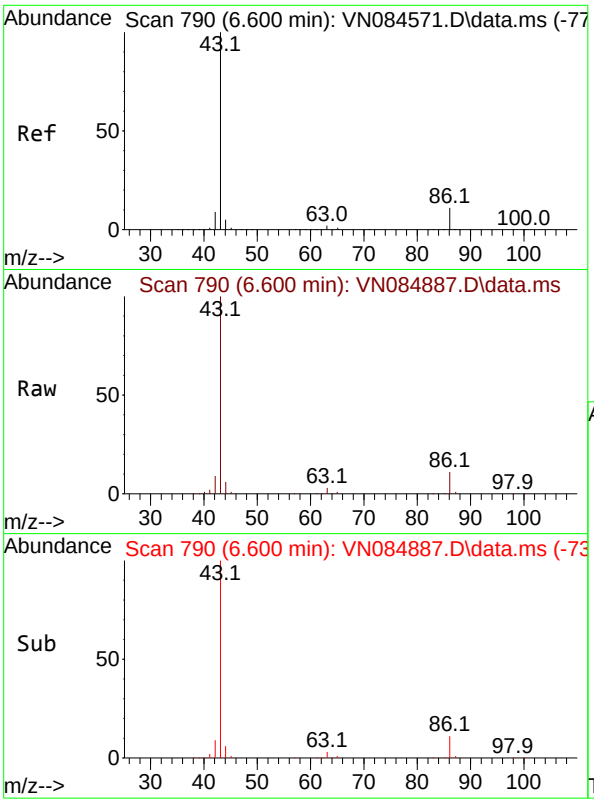


#22
Diisopropyl ether
Concen: 18.995 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 45 Resp: 106104

Ion	Ratio	Lower	Upper
45	100		
43	50.2	42.3	63.5
87	27.2	21.8	32.6
59	12.6	9.6	14.4



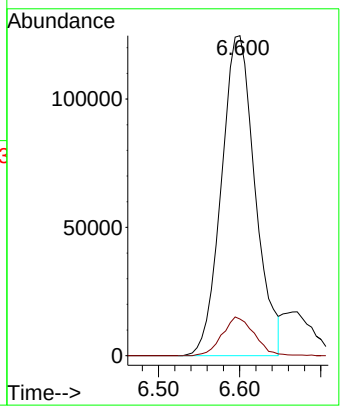


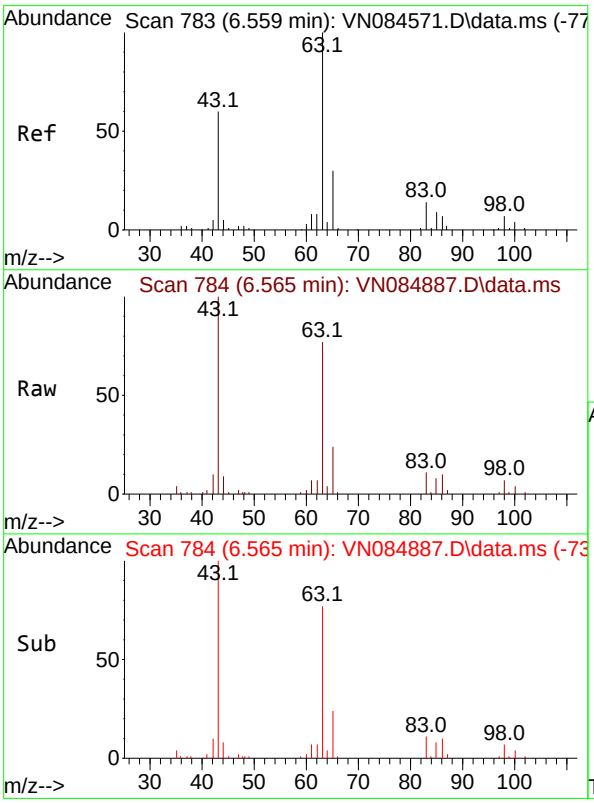
#23
Vinyl Acetate
Concen: 93.547 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion: 43 Resp: 360361

Ion	Ratio	Lower	Upper
43	100		
86	11.4	8.6	12.8

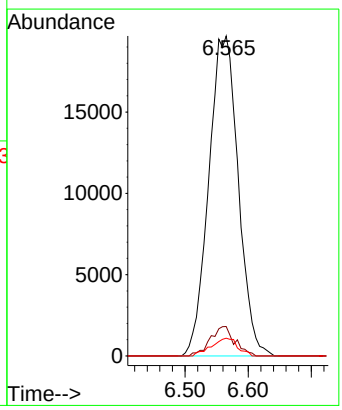


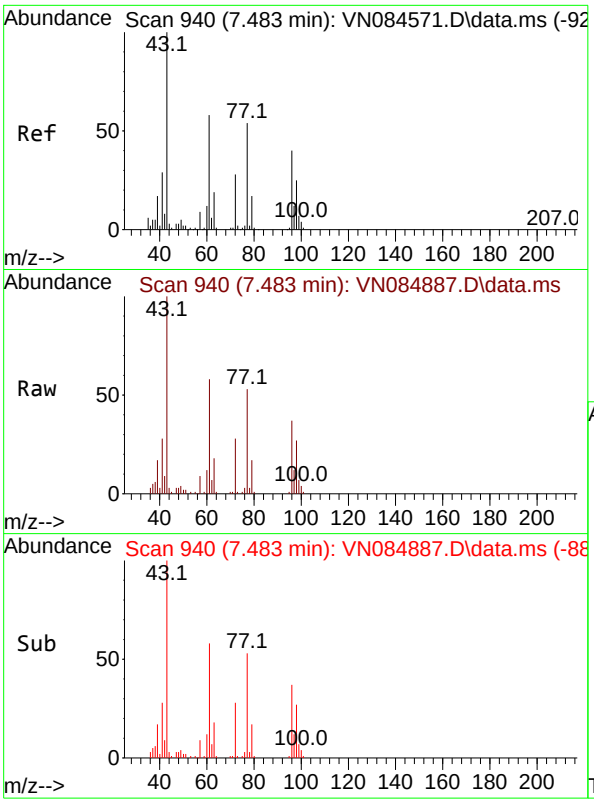


#24
1,1-Dichloroethane
Concen: 19.047 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 63 Resp: 63877

Ion	Ratio	Lower	Upper
63	100		
98	9.2	3.4	10.2
100	5.5	2.0	5.8



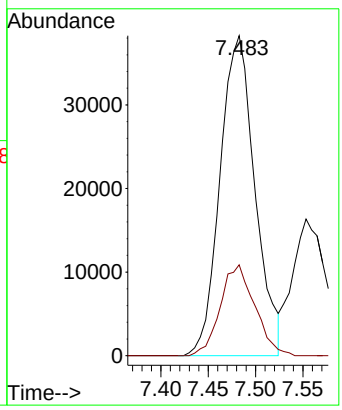


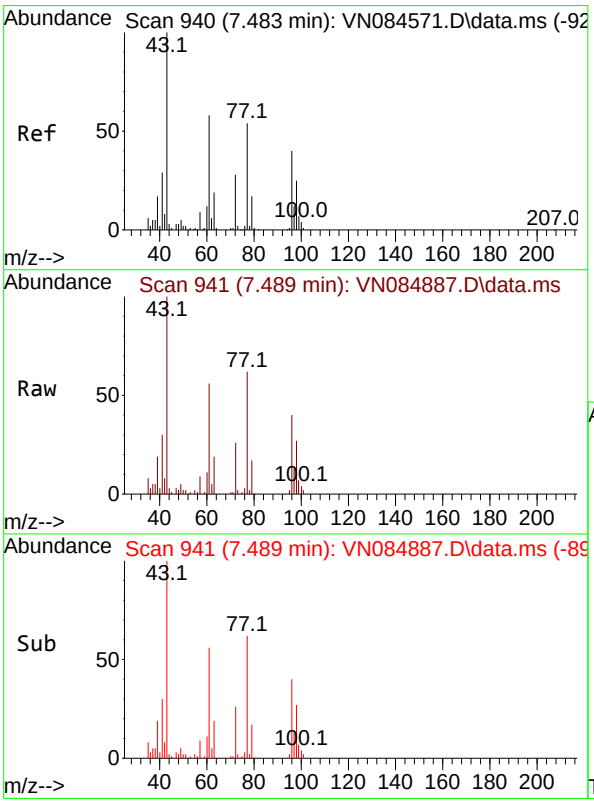
#25
2-Butanone
Concen: 95.803 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion: 43 Resp: 98266

Ion	Ratio	Lower	Upper
43	100		
72	28.4	21.4	32.2

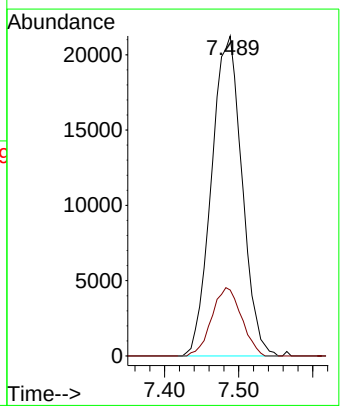


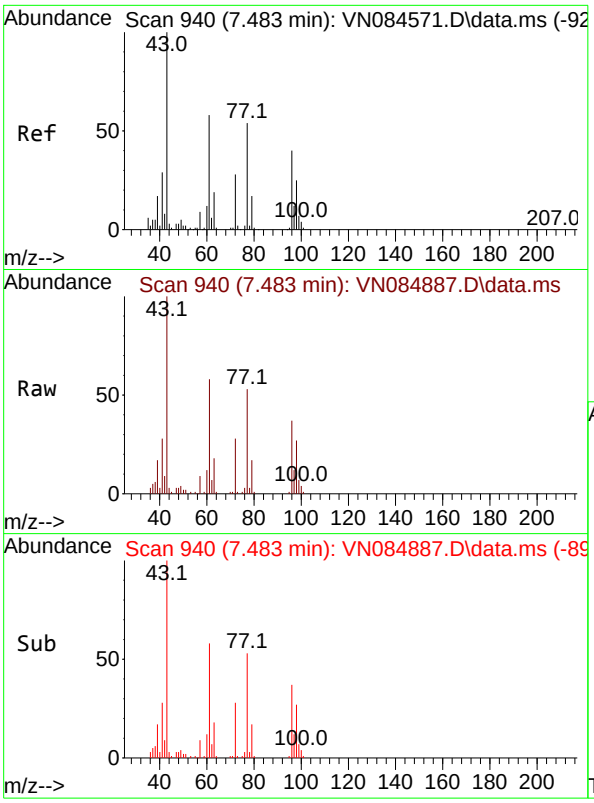


#26
2,2-Dichloropropane
Concen: 20.811 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 77 Resp: 60746

Ion	Ratio	Lower	Upper
77	100		
97	20.8	10.8	32.3



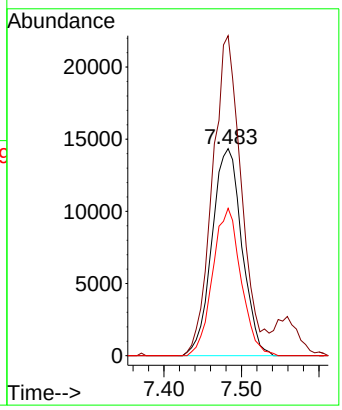


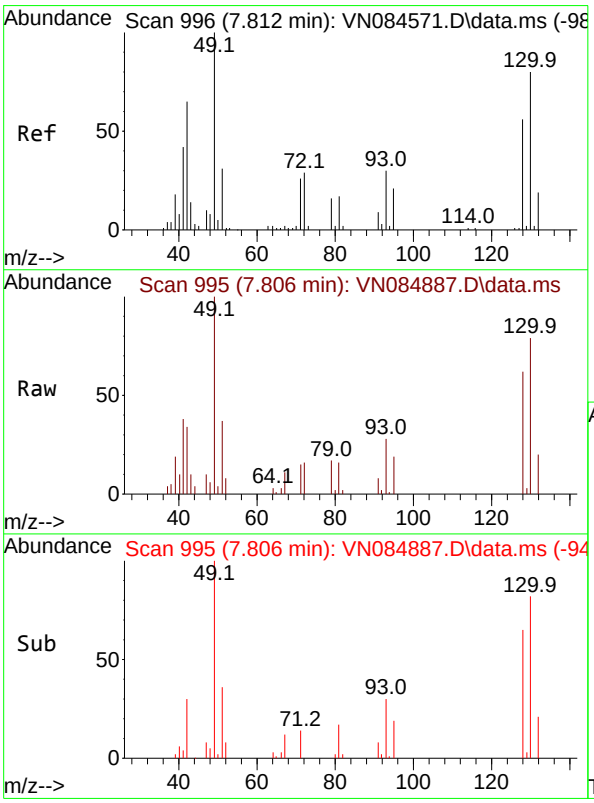
#27
cis-1,2-Dichloroethene
Concen: 18.563 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion: 96 Resp: 38581

Ion	Ratio	Lower	Upper
96	100		
61	149.5	0.0	301.8
98	67.2	0.0	128.2

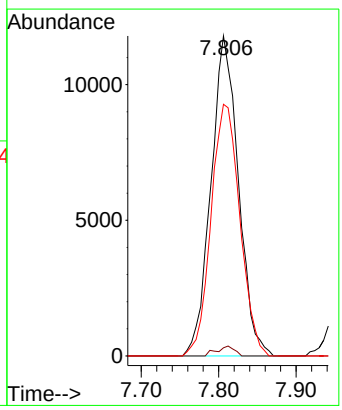


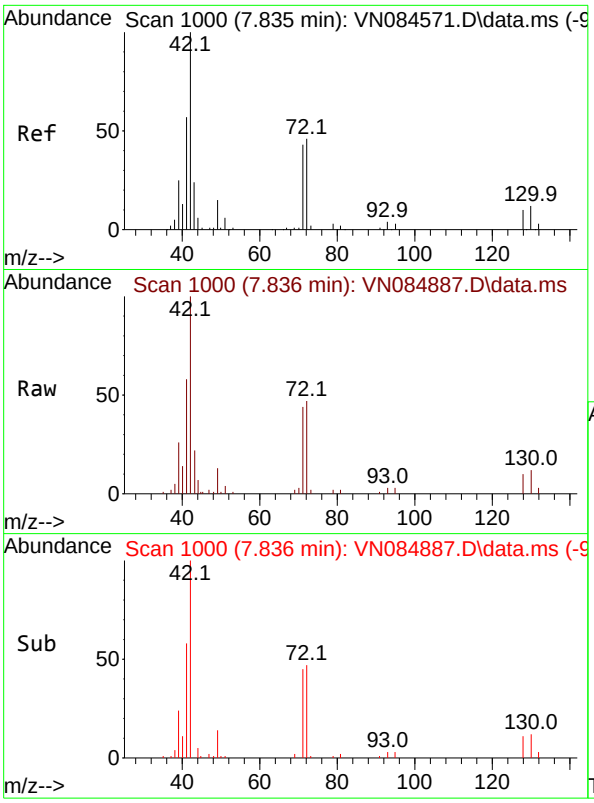


#28
Bromochloromethane
Concen: 21.776 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 49 Resp: 29096

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	82.5	58.0	87.0



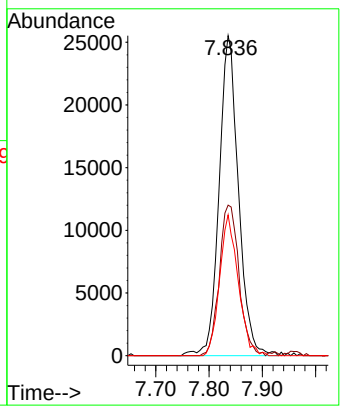


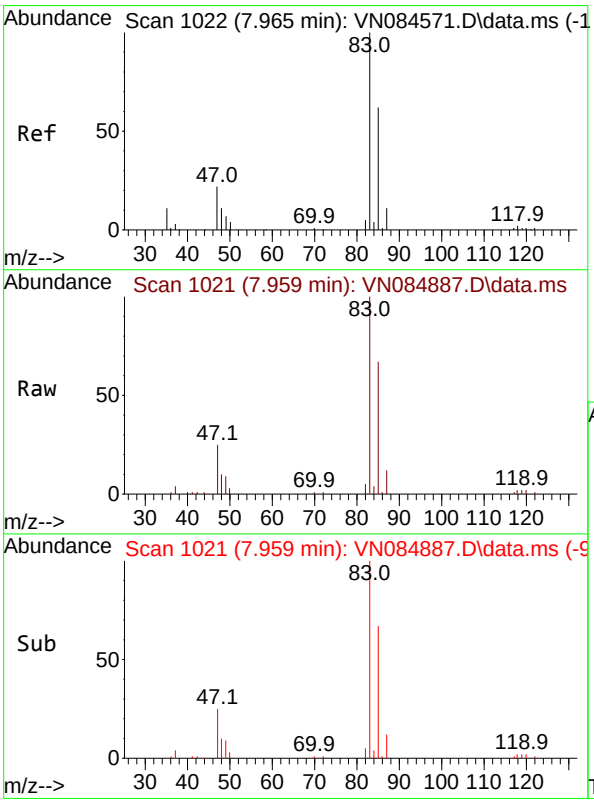
#29
Tetrahydrofuran
Concen: 94.618 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion: 42 Resp: 64385

Ion	Ratio	Lower	Upper
42	100		
72	48.0	34.6	51.8
71	42.3	32.2	48.4

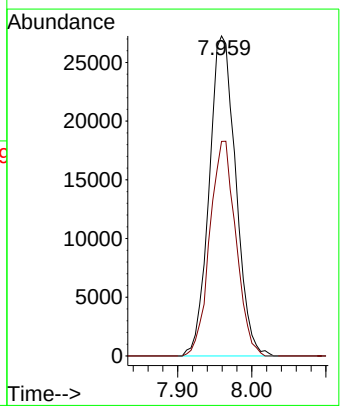


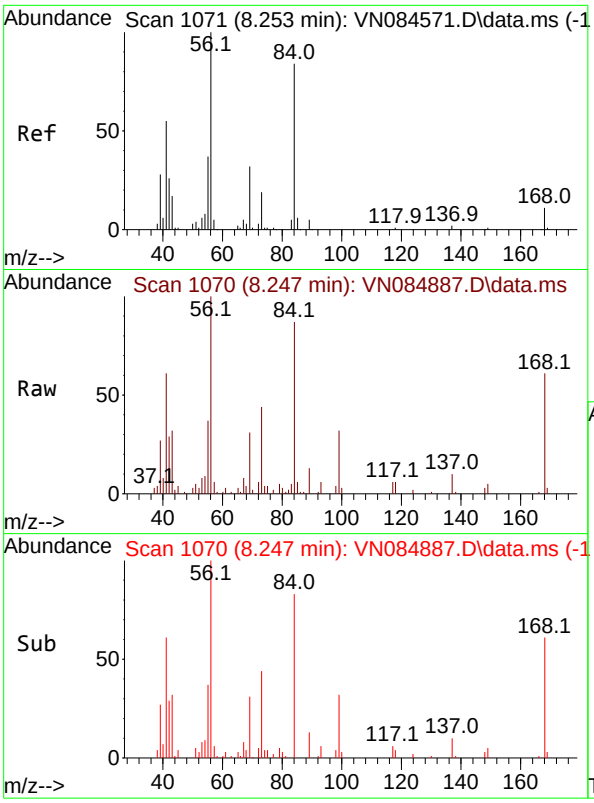


#30
Chloroform
Concen: 19.859 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 83 Resp: 67787

Ion	Ratio	Lower	Upper
83	100		
85	67.0	51.0	76.4



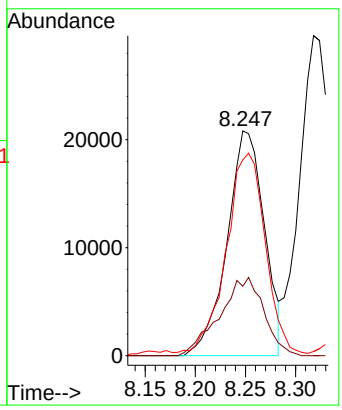


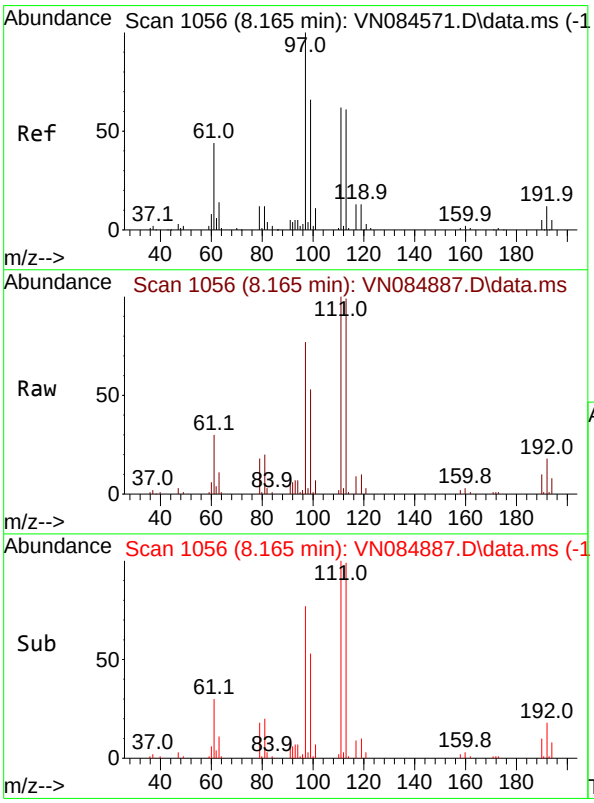
#31
Cyclohexane
Concen: 17.804 ug/l
RT: 8.247 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion: 56 Resp: 54042

Ion	Ratio	Lower	Upper
56	100		
69	30.9	23.8	35.6
84	85.6	68.8	103.2

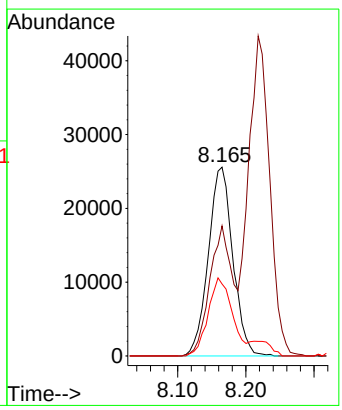


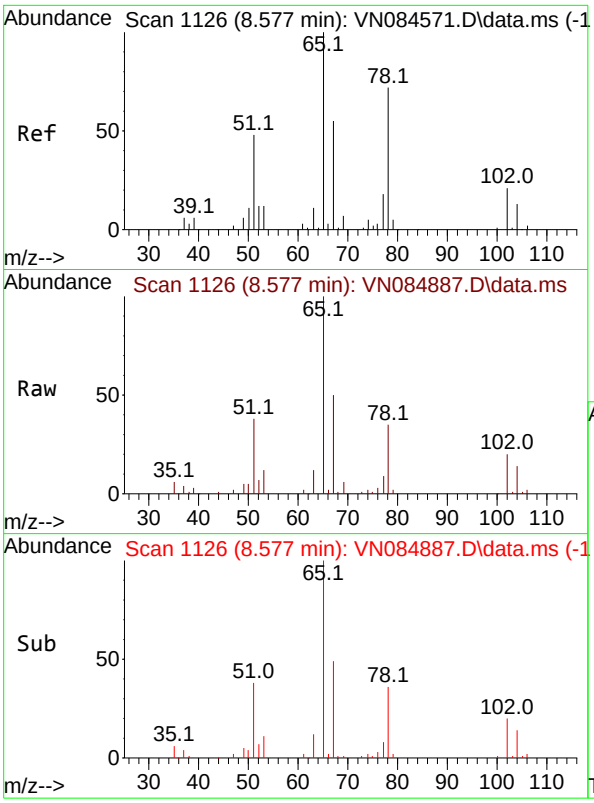


#32
1,1,1-Trichloroethane
Concen: 20.598 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 97 Resp: 63994

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.2	76.8
61	40.7	37.5	56.3



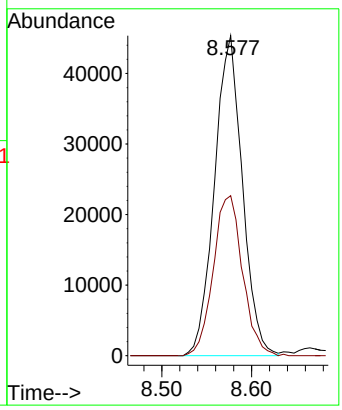


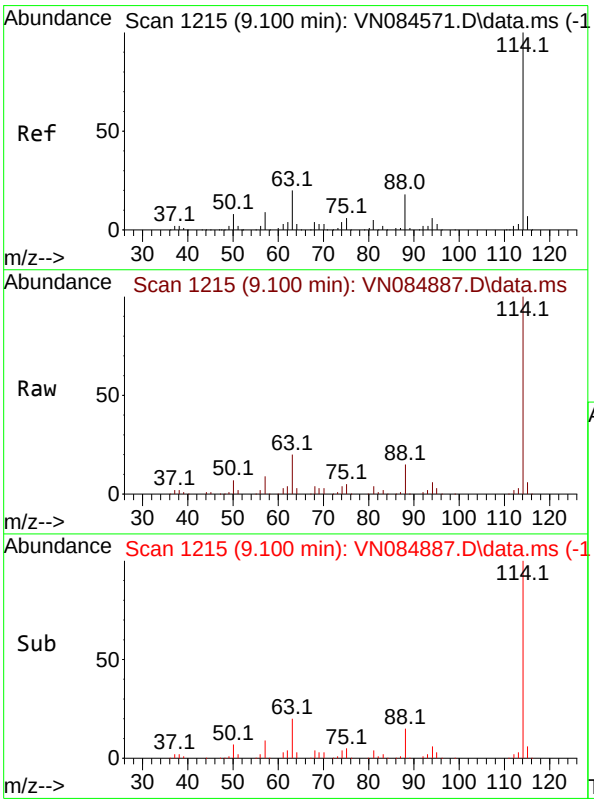
#33
1,2-Dichloroethane-d4
Concen: 44.486 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion: 65 Resp: 97806

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	102.0

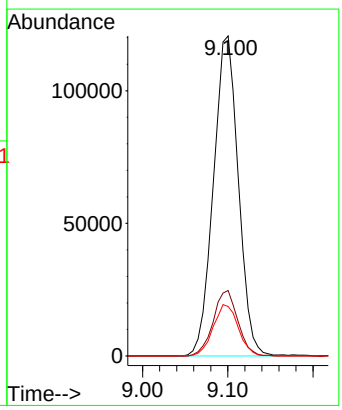


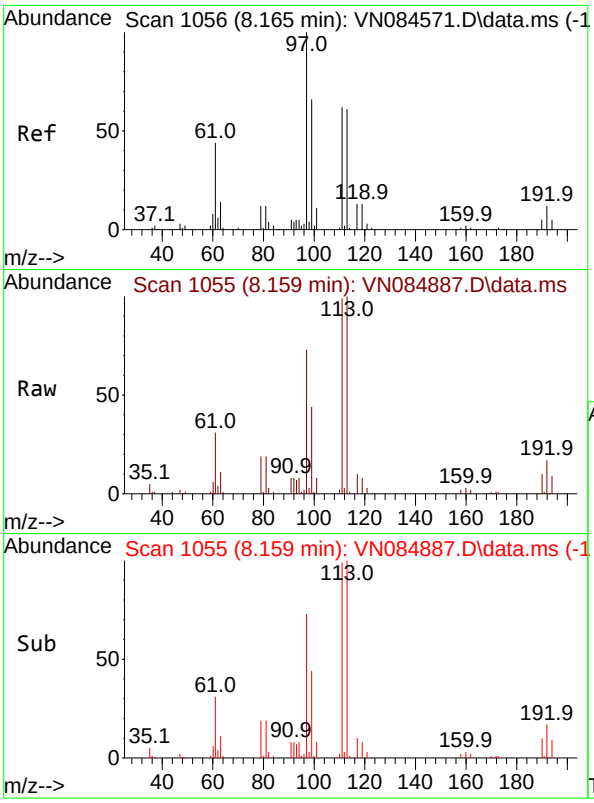


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:114 Resp: 245406

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	43.8
88	15.5	0.0	31.6



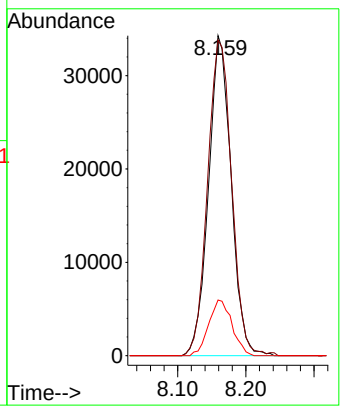


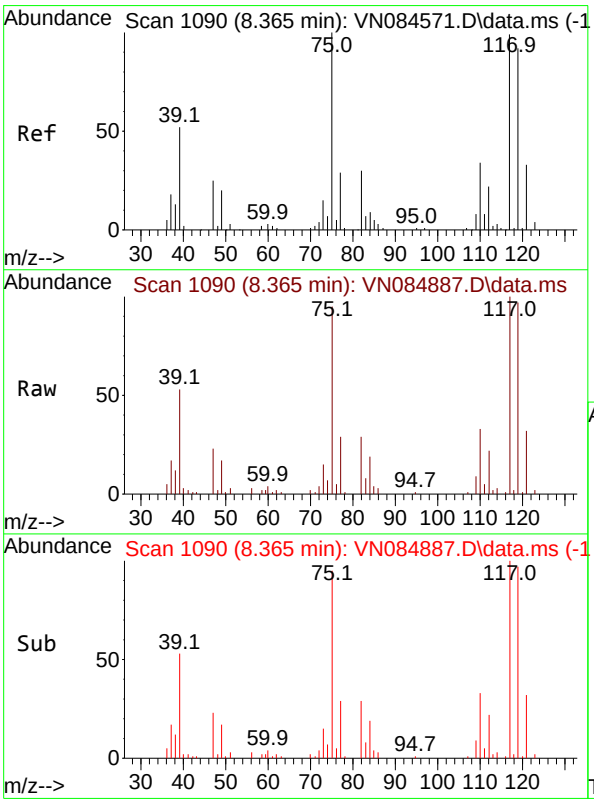
#35
Dibromofluoromethane
Concen: 47.618 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion:113 Resp: 79099

Ion	Ratio	Lower	Upper
113	100		
111	104.8	83.3	124.9
192	17.9	13.5	20.3

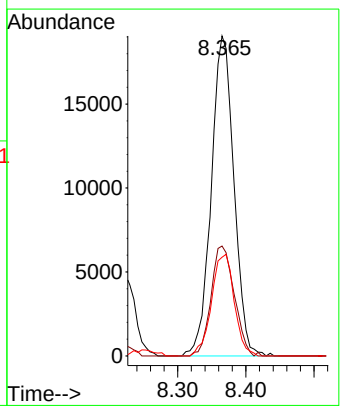


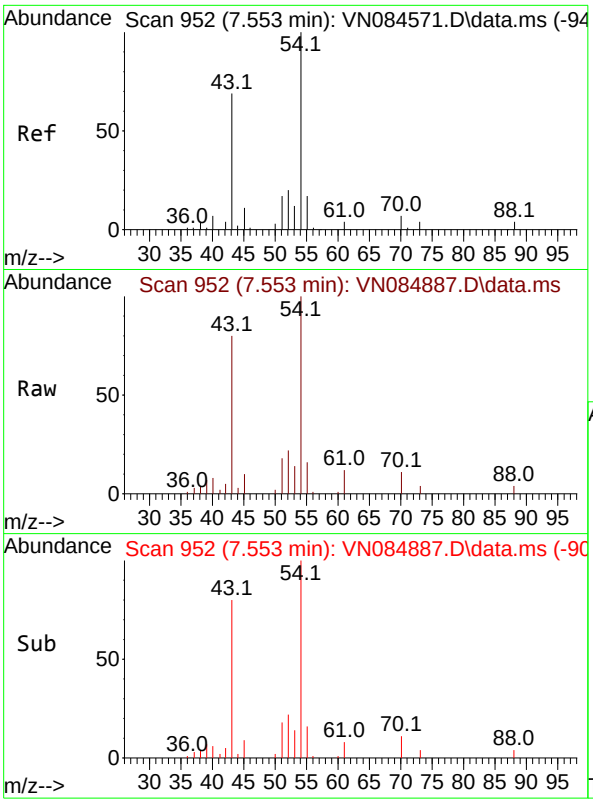


#36
1,1-Dichloropropene
Concen: 19.153 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 75 Resp: 44124

Ion	Ratio	Lower	Upper
75	100		
110	35.2	16.9	50.7
77	31.8	24.7	37.1



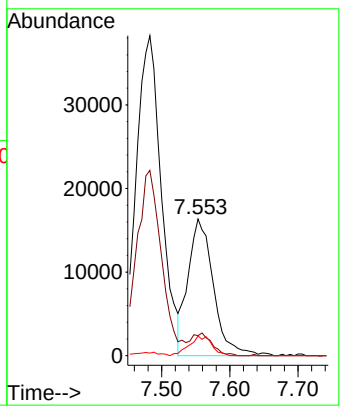


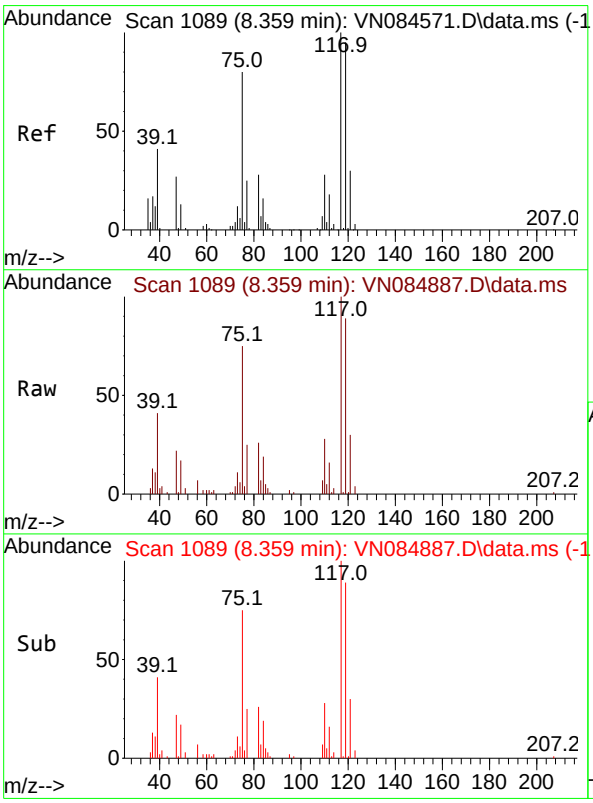
#37
Ethyl Acetate
Concen: 20.291 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion: 43 Resp: 42411

Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	12.7	8.8	13.2

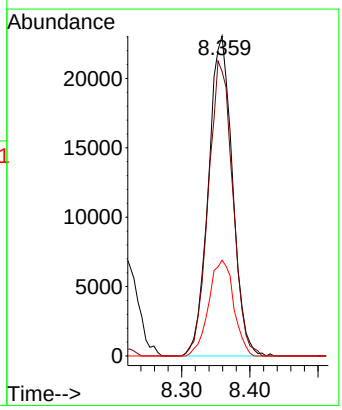


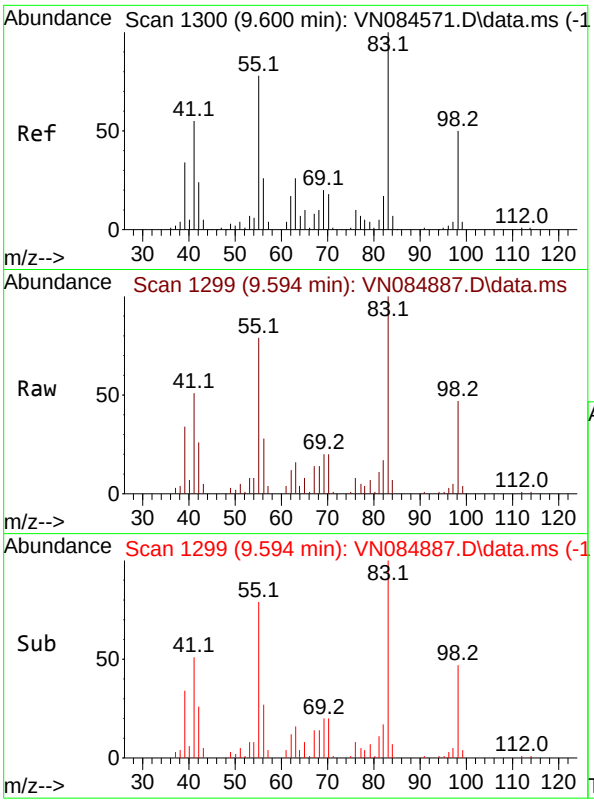


#38
Carbon Tetrachloride
Concen: 21.952 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:117 Resp: 56527

Ion	Ratio	Lower	Upper
117	100		
119	88.9	78.7	118.1
121	29.9	24.4	36.6



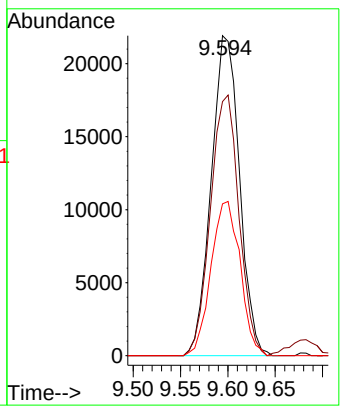


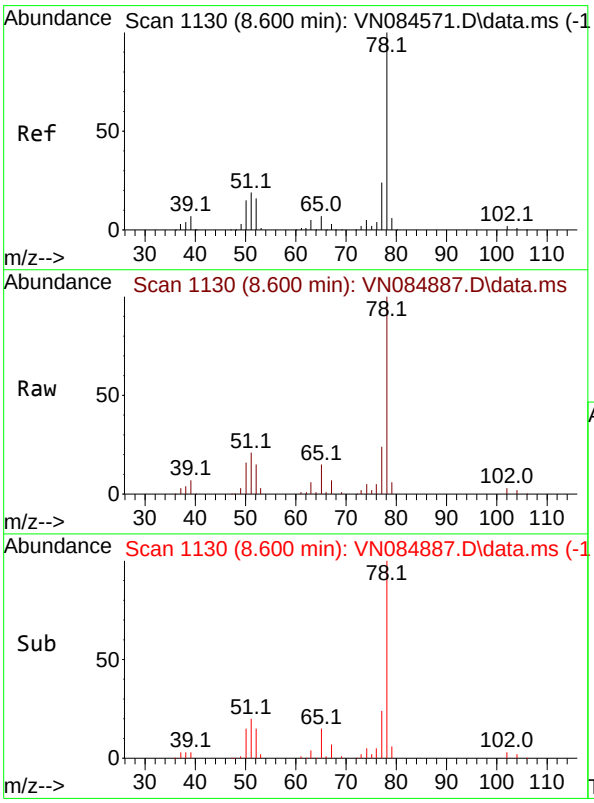
#39
Methylcyclohexane
Concen: 19.442 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion: 83 Resp: 45566

Ion	Ratio	Lower	Upper
83	100		
55	79.4	62.8	94.2
98	47.4	38.8	58.2

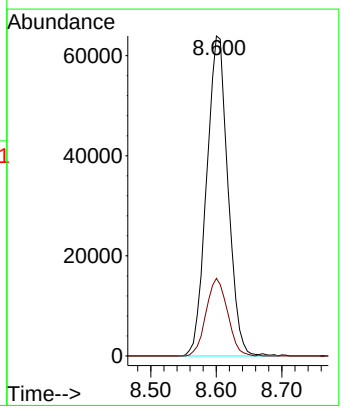


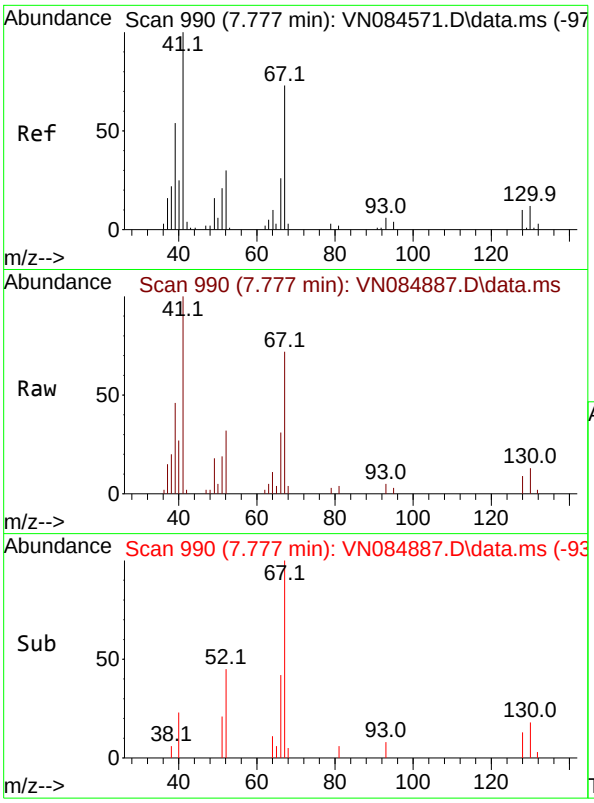


#40
Benzene
Concen: 19.524 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 78 Resp: 144450

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.1	28.7



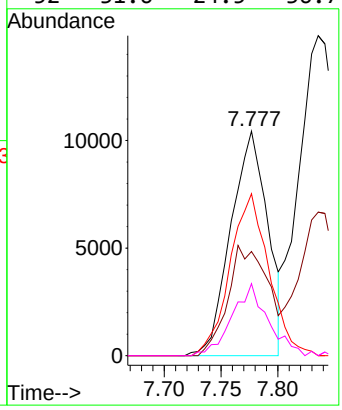


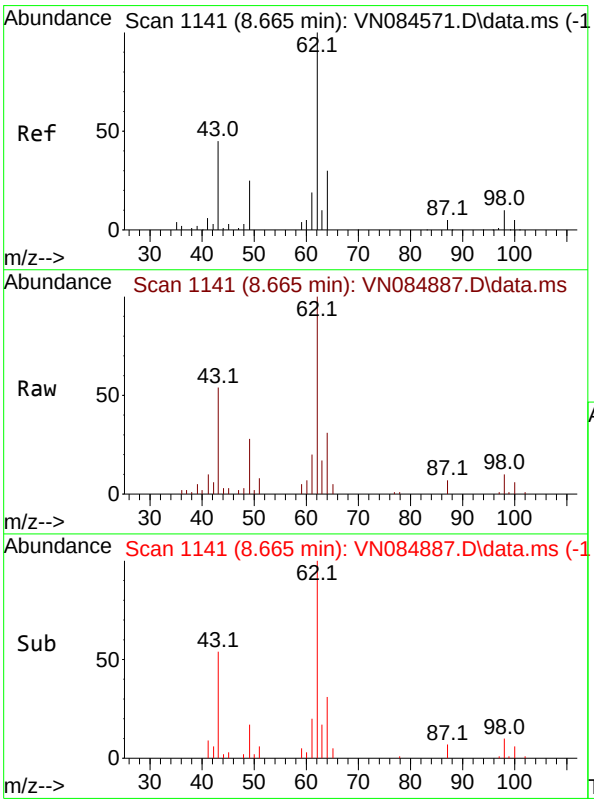
#41
Methacrylonitrile
Concen: 20.995 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion: 41 Resp: 23599

Ion	Ratio	Lower	Upper
41	100		
39	52.7	43.3	64.9
67	76.1	56.1	84.1
52	31.6	24.5	36.7

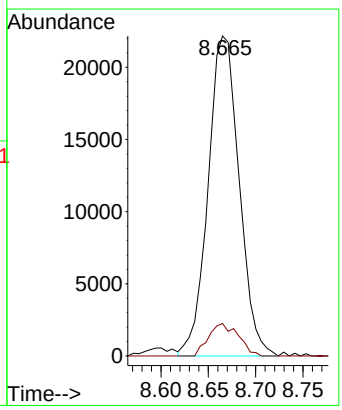


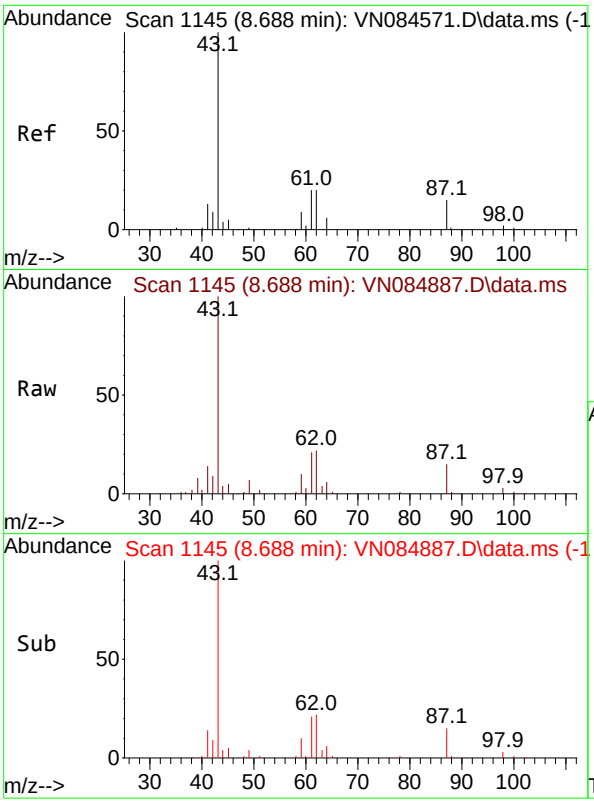


#42
1,2-Dichloroethane
Concen: 21.140 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 62 Resp: 50652

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.2



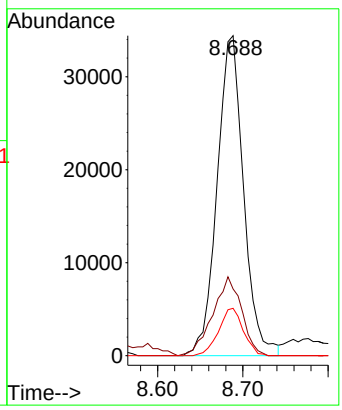


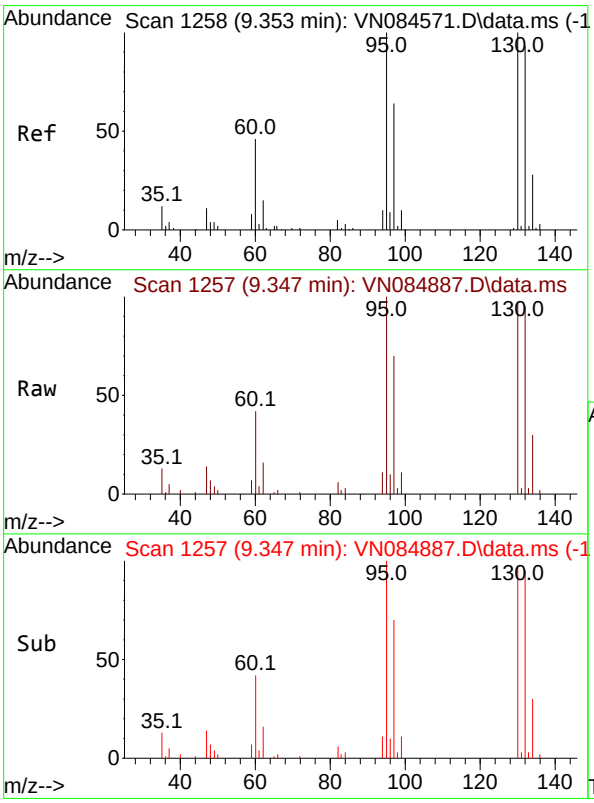
#43
Isopropyl Acetate
Concen: 18.669 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion: 43 Resp: 74424

Ion	Ratio	Lower	Upper
43	100		
61	26.8	20.4	30.6
87	13.8	10.3	15.5

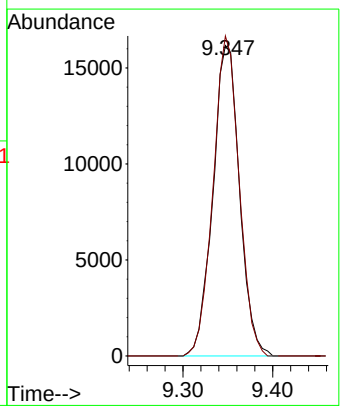


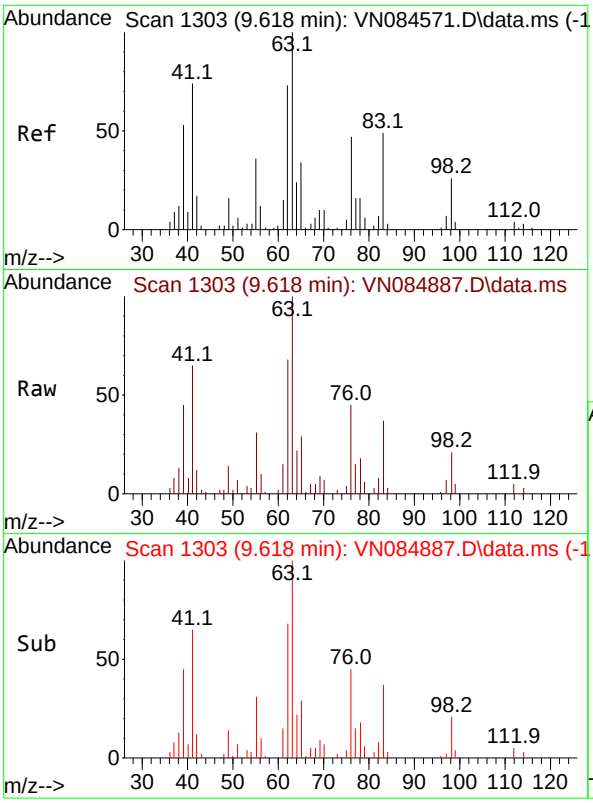


#44
Trichloroethene
Concen: 19.534 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:130 Resp: 33330

Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	203.0



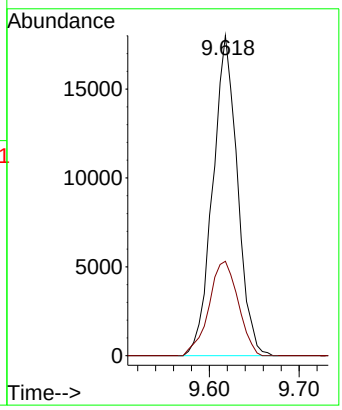


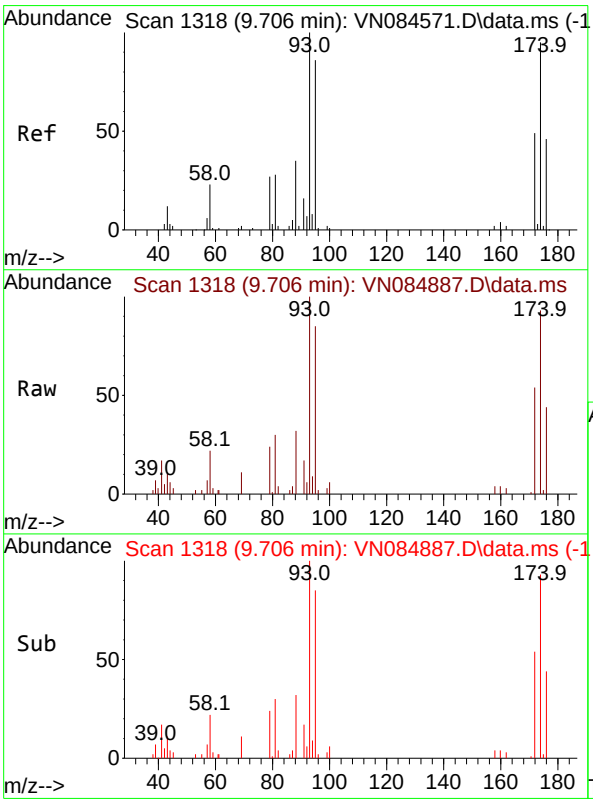
#45
1,2-Dichloropropane
Concen: 19.780 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion: 63 Resp: 34329

Ion	Ratio	Lower	Upper
63	100		
65	29.5	24.6	37.0

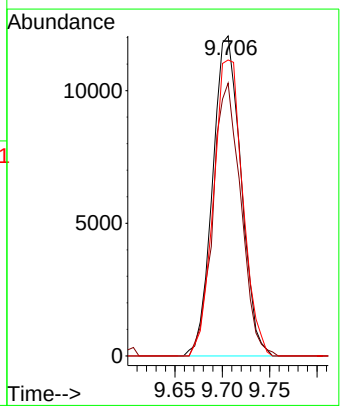


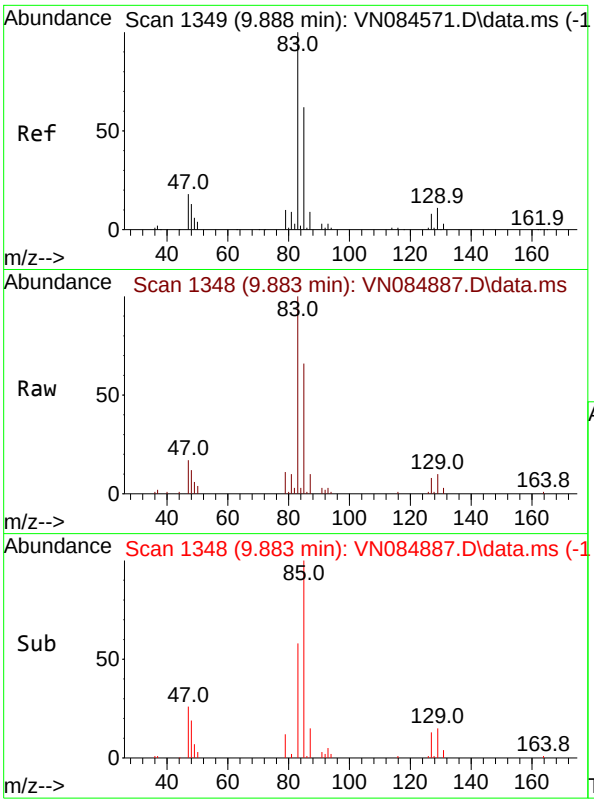


#46
Dibromomethane
Concen: 20.509 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 93 Resp: 25116

Ion	Ratio	Lower	Upper
93	100		
95	84.2	65.0	97.4
174	95.4	71.8	107.8



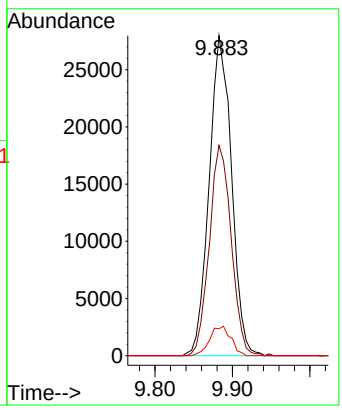


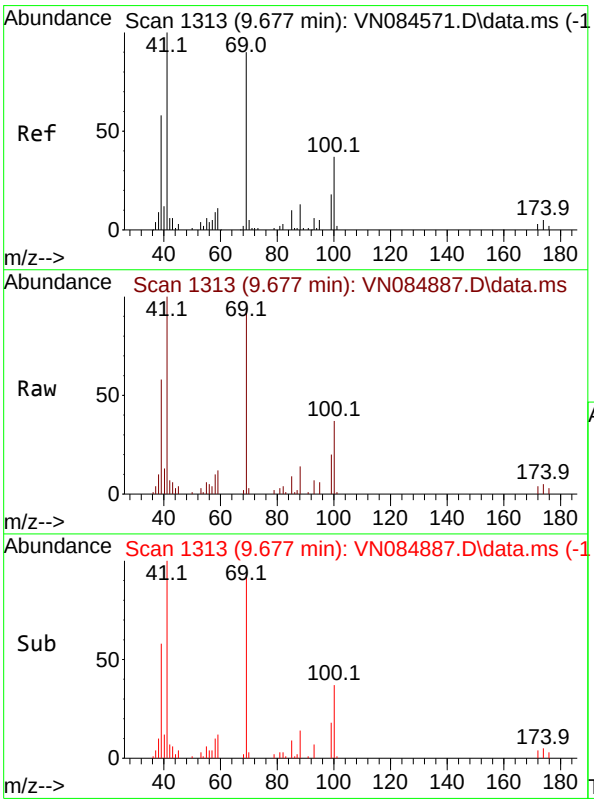
#47
Bromodichloromethane
Concen: 21.757 ug/l
RT: 9.883 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion: 83 Resp: 56164

Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.5	77.3
127	8.4	5.7	8.5

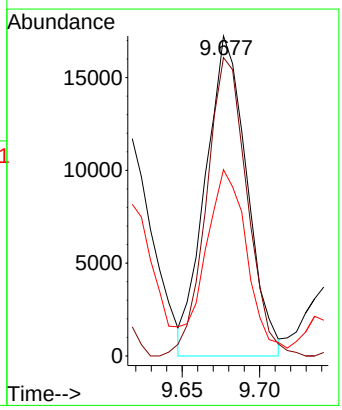


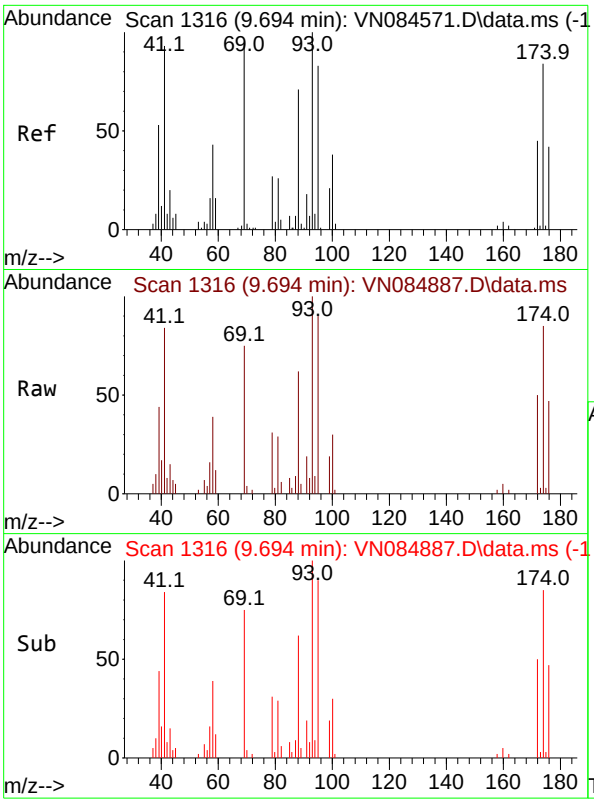


#48
Methyl methacrylate
Concen: 19.634 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 41 Resp: 31939

Ion	Ratio	Lower	Upper
41	100		
69	91.7	67.1	100.7
39	58.9	45.8	68.6



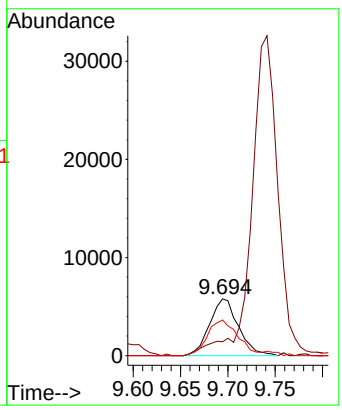


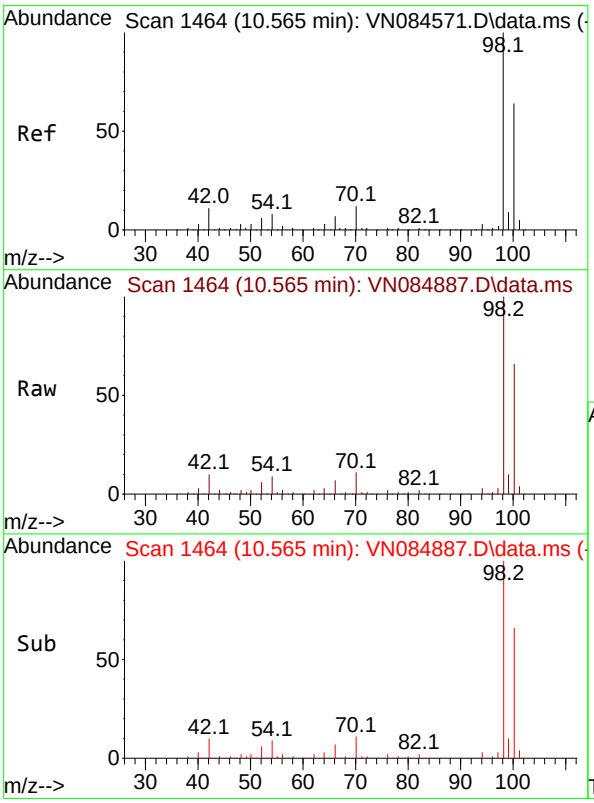
#49
1,4-Dioxane
Concen: 426.655 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion: 88 Resp: 12299

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	66.3	56.4	84.6

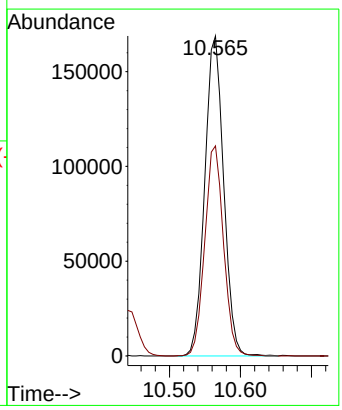


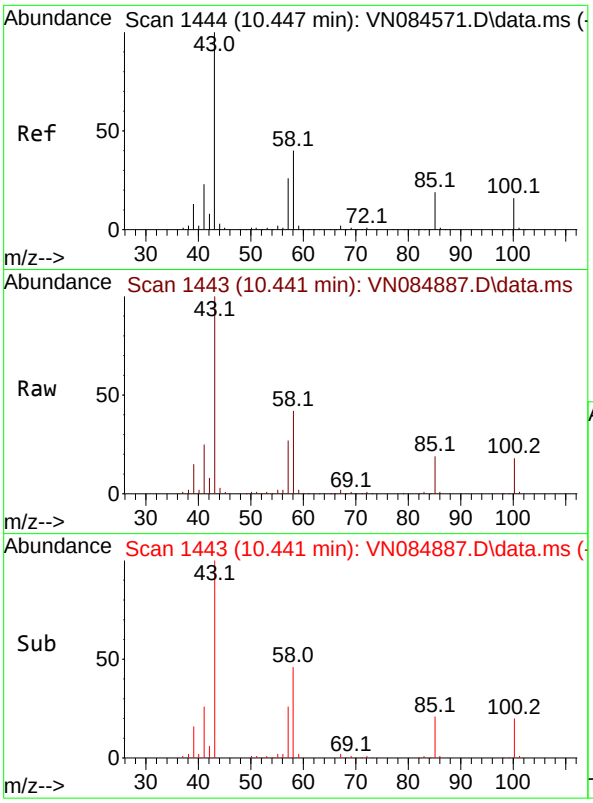


#50
Toluene-d8
Concen: 51.023 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 98 Resp: 312209

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.7	79.1



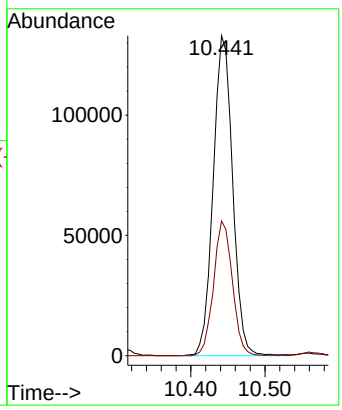


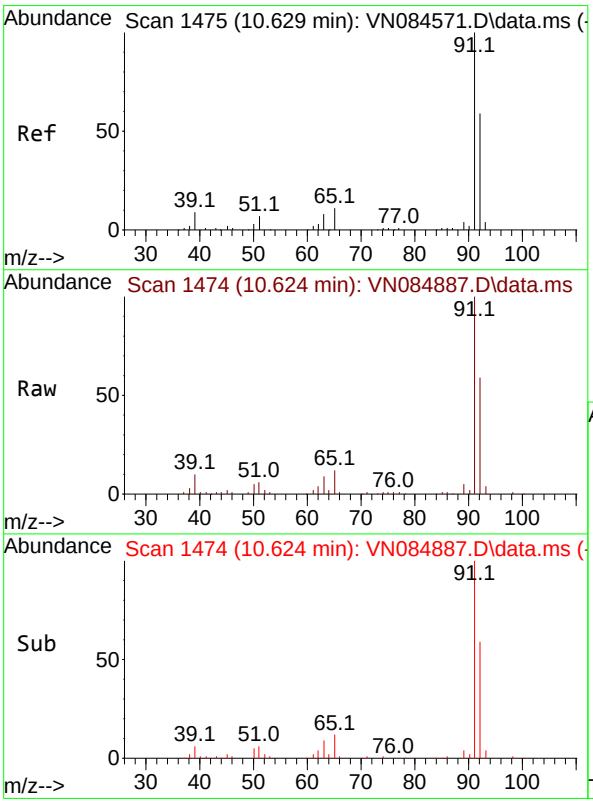
#51
4-Methyl-2-Pentanone
Concen: 121.681 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion: 43 Resp: 242457

Ion	Ratio	Lower	Upper
43	100		
58	40.8	31.6	47.4

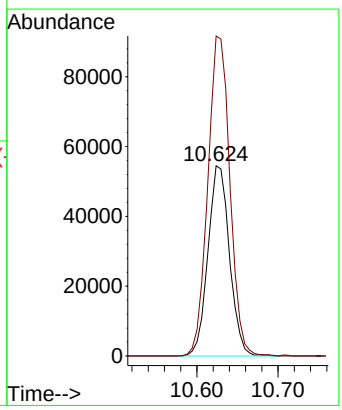


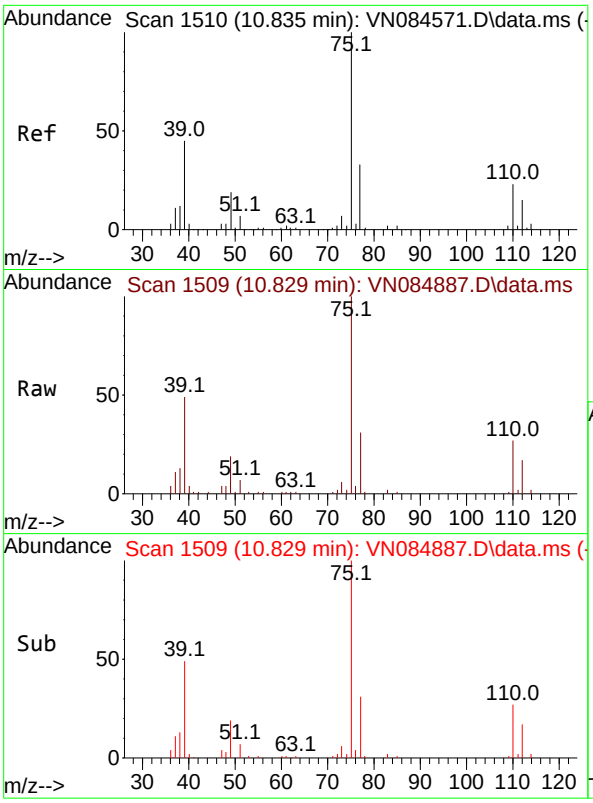


#52
Toluene
Concen: 23.159 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 92 Resp: 100207

Ion	Ratio	Lower	Upper
92	100		
91	172.8	137.3	205.9



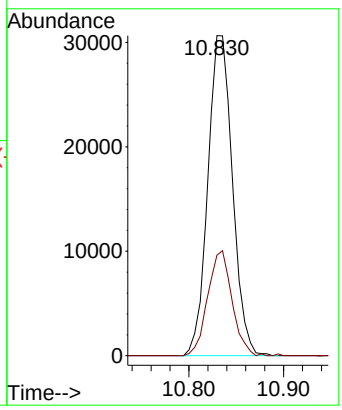


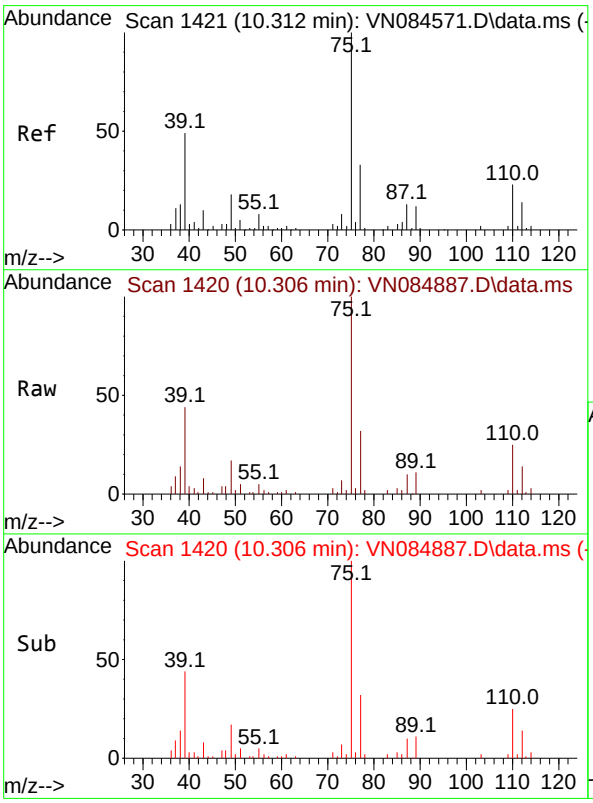
#53
t-1,3-Dichloropropene
Concen: 20.778 ug/l
RT: 10.829 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion: 75 Resp: 55520

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.0

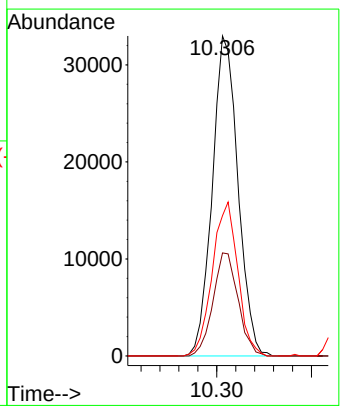


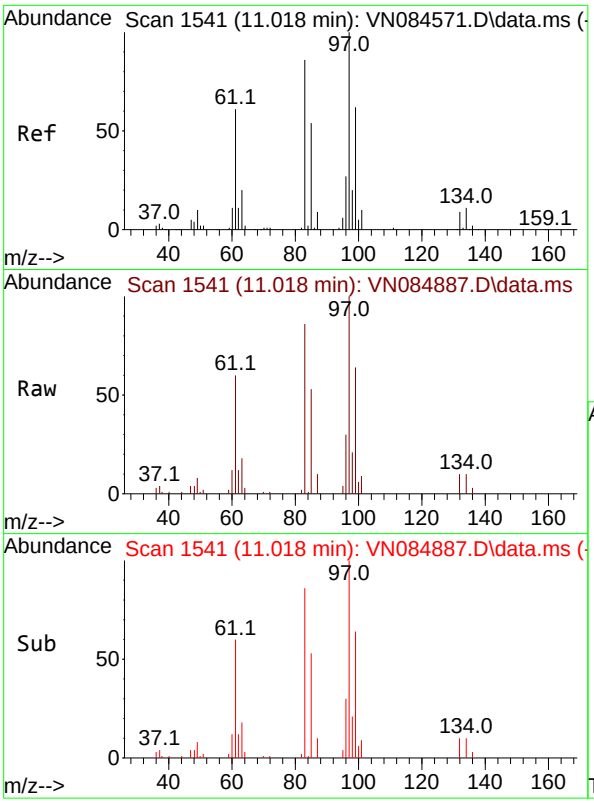


#54
cis-1,3-Dichloropropene
Concen: 21.956 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 75 Resp: 62094

Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.2	36.2
39	43.8	38.7	58.1



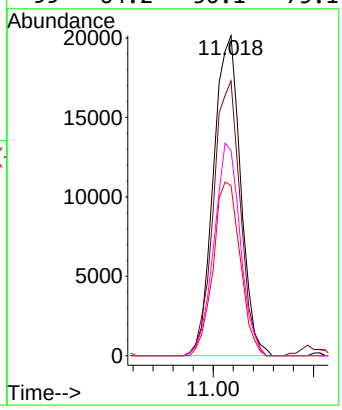


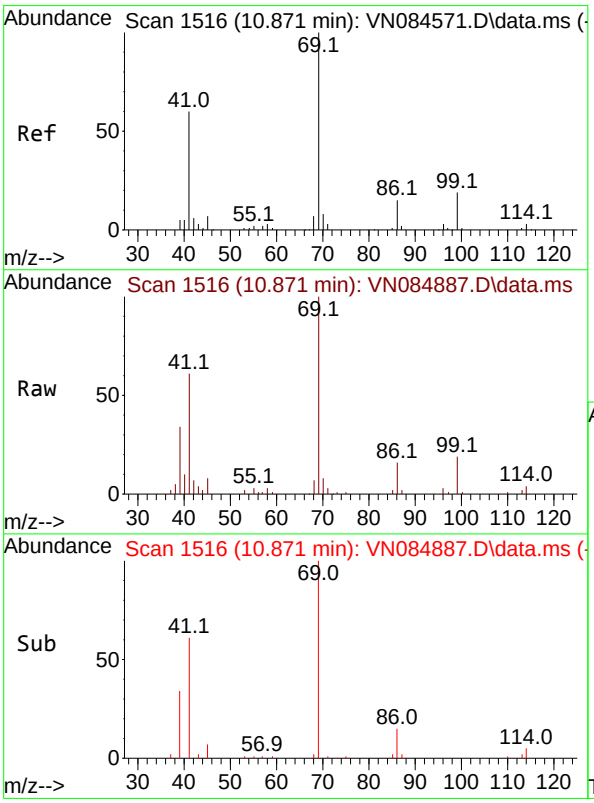
#55
1,1,2-Trichloroethane
Concen: 23.152 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion: 97 Resp: 37735

Ion	Ratio	Lower	Upper
97	100		
83	85.9	71.0	106.4
85	53.2	41.7	62.5
99	64.2	50.1	75.1

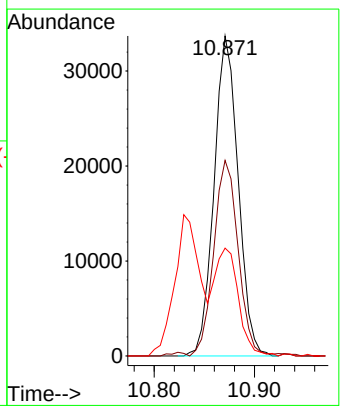


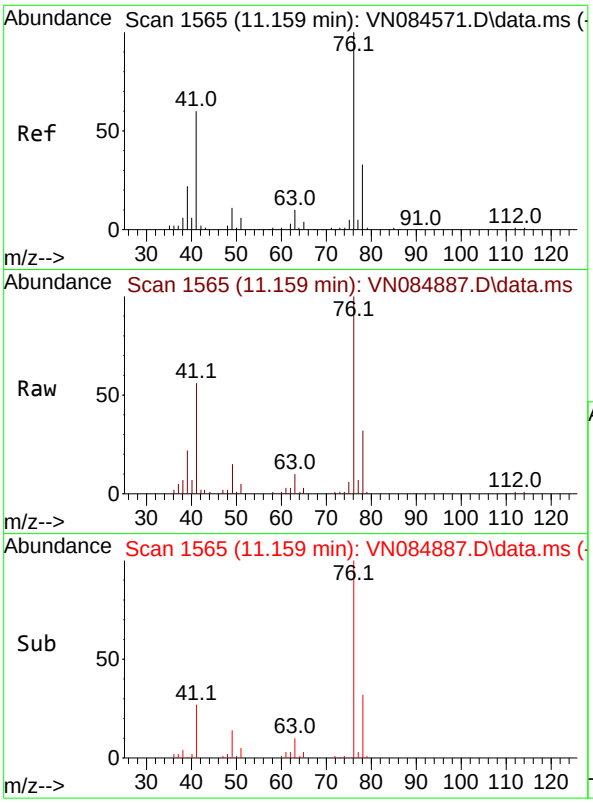


#56
Ethyl methacrylate
Concen: 23.816 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 69 Resp: 56149

Ion	Ratio	Lower	Upper
69	100		
41	61.9	53.3	79.9
39	33.7	28.8	43.2



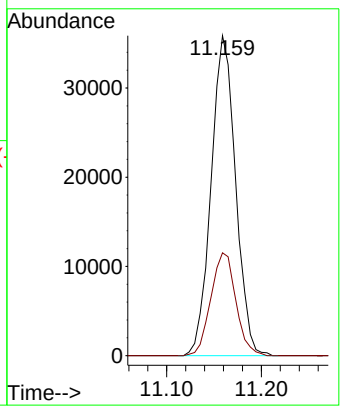


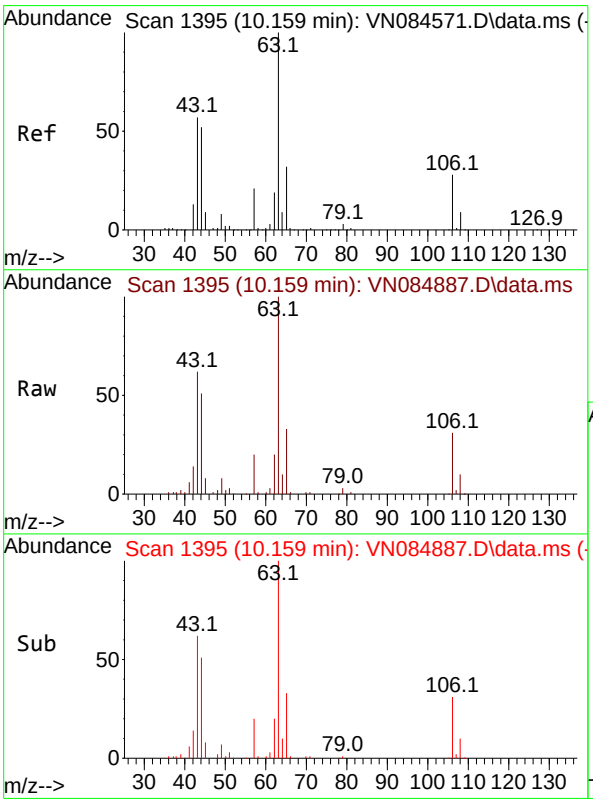
#57
1,3-Dichloropropane
Concen: 23.007 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion: 76 Resp: 64356

Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.8	38.6

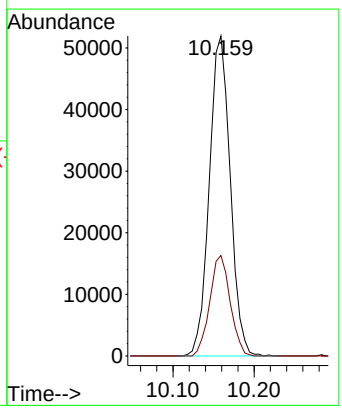


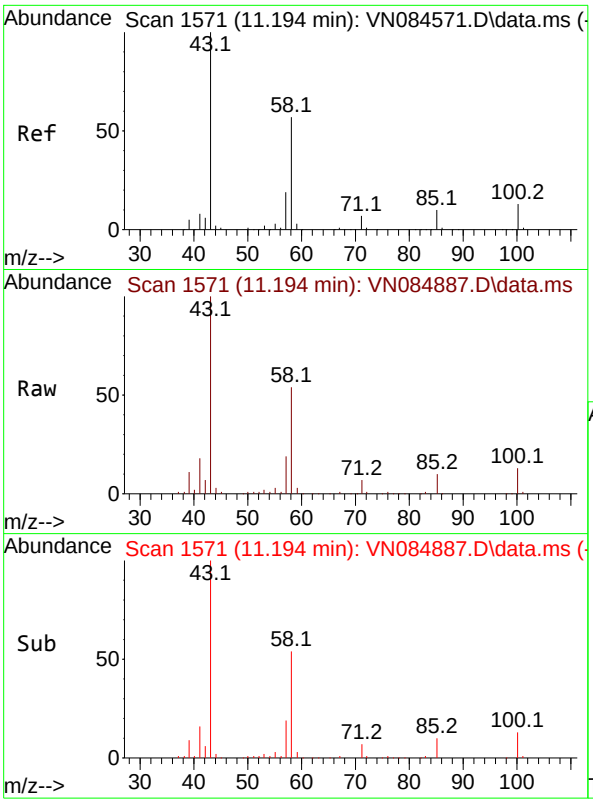


#58
2-Chloroethyl Vinyl ether
Concen: 84.256 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 63 Resp: 92951

Ion	Ratio	Lower	Upper
63	100		
106	30.6	21.8	32.6



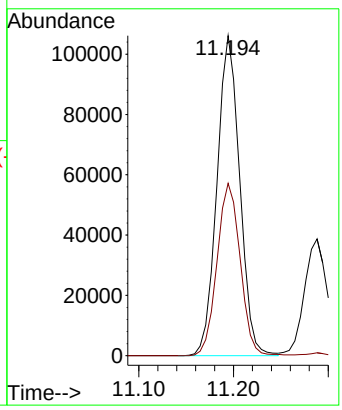


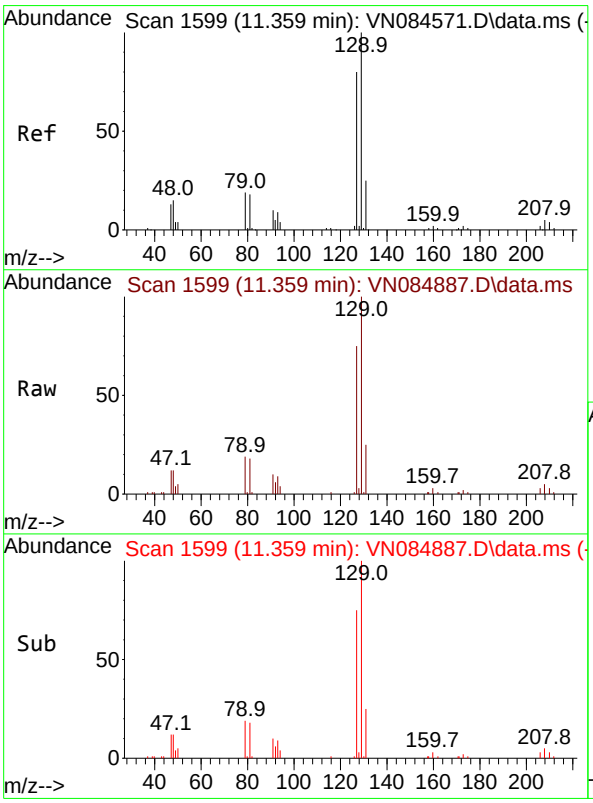
#59
2-Hexanone
Concen: 122.372 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion: 43 Resp: 177482

Ion	Ratio	Lower	Upper
43	100		
58	54.8	27.3	81.8

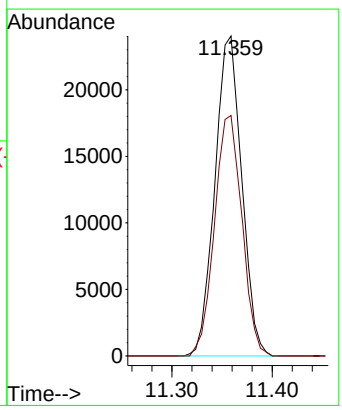


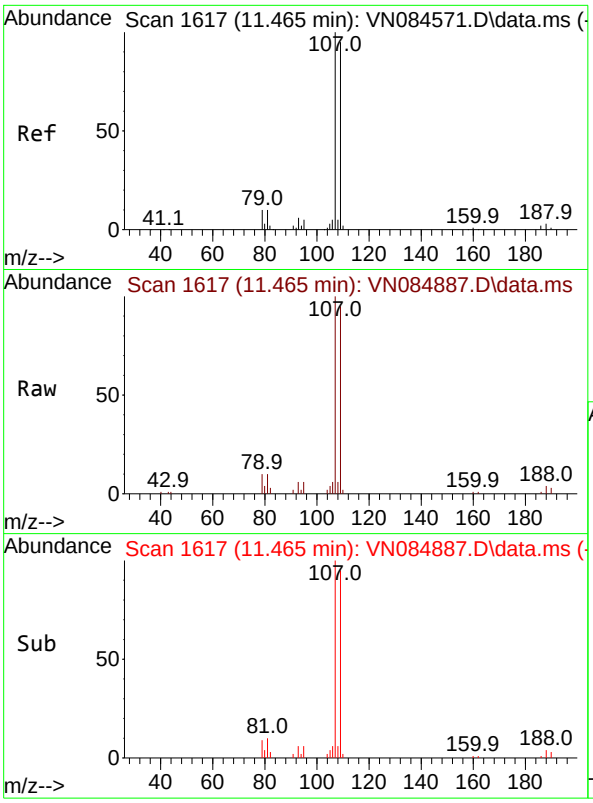


#60
Dibromochloromethane
Concen: 24.084 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:129 Resp: 44738

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.3	114.9



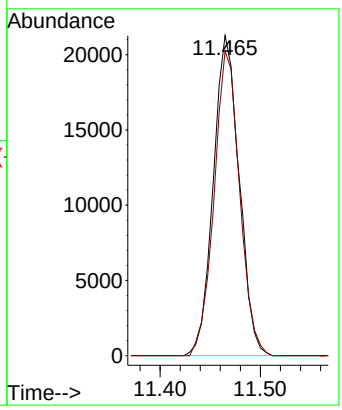


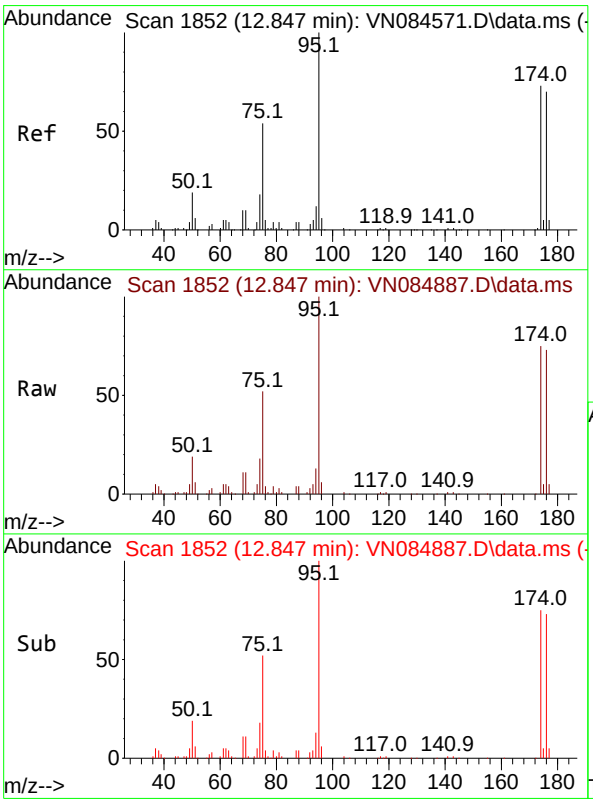
#61
1,2-Dibromoethane
Concen: 22.804 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion:107 Resp: 38062

Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.4	113.0

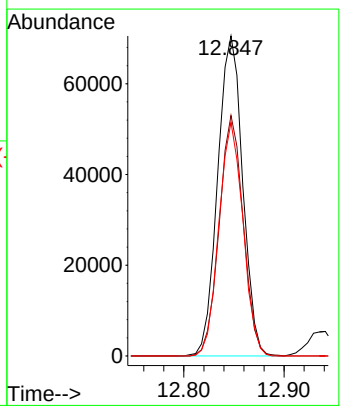


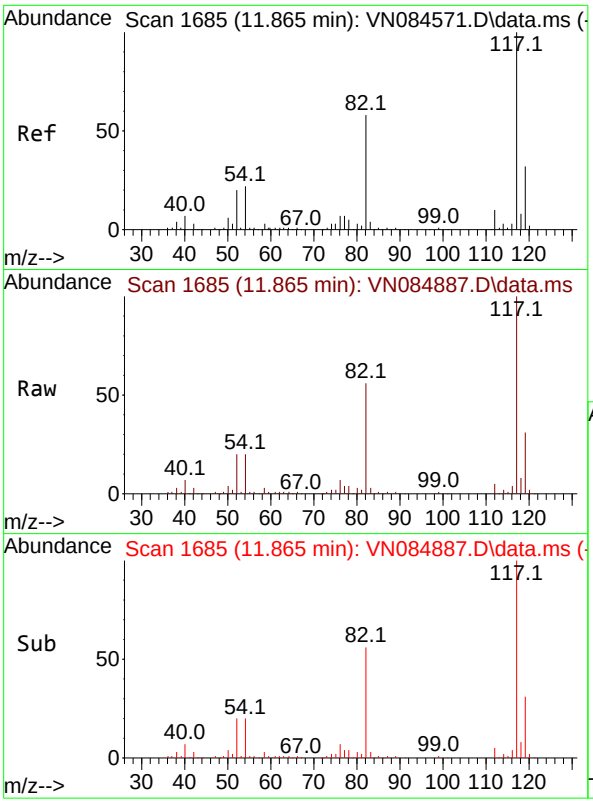


#62
4-Bromofluorobenzene
Concen: 53.327 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 95 Resp: 121951

Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	145.2
176	70.3	0.0	140.0



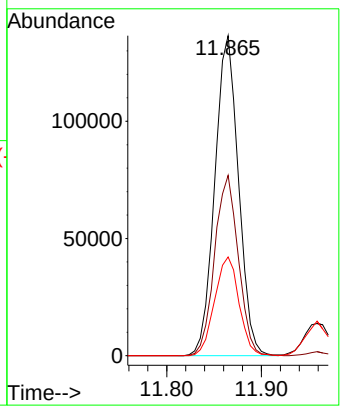


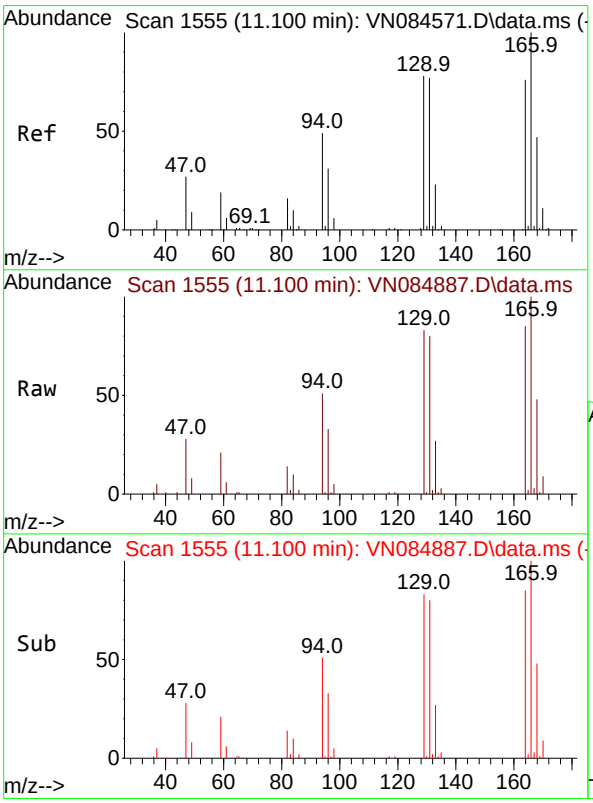
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion:117 Resp: 237456

Ion	Ratio	Lower	Upper
117	100		
82	56.3	47.2	70.8
119	30.9	25.4	38.0

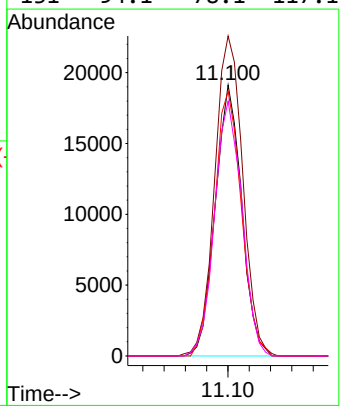


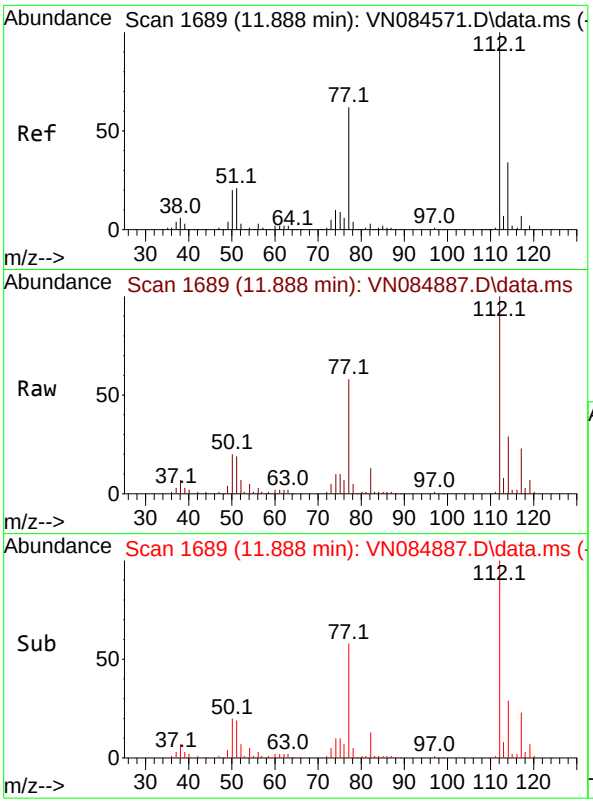


#64
Tetrachloroethene
Concen: 20.877 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:164 Resp: 32974

Ion	Ratio	Lower	Upper
164	100		
166	118.2	101.0	151.4
129	97.7	80.8	121.2
131	94.1	78.1	117.1



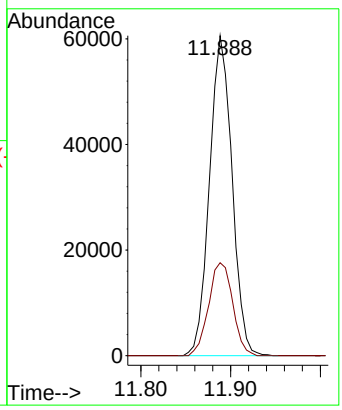


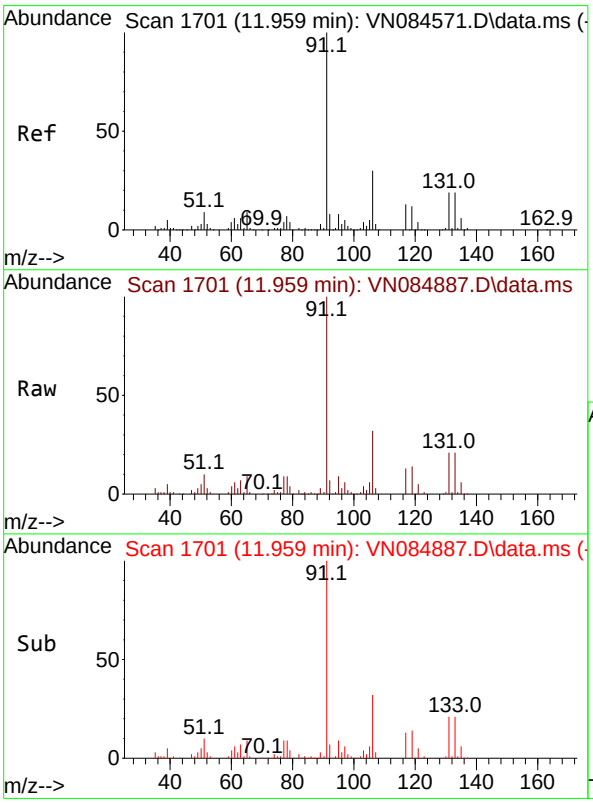
#65
Chlorobenzene
Concen: 19.892 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion:112 Resp: 105672

Ion	Ratio	Lower	Upper
112	100		
114	29.0	27.0	40.6

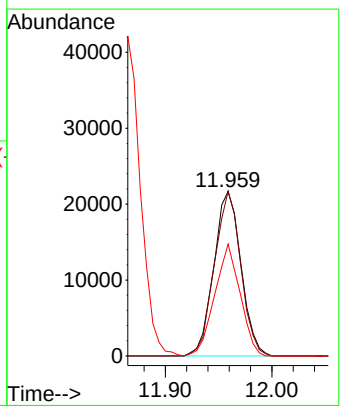


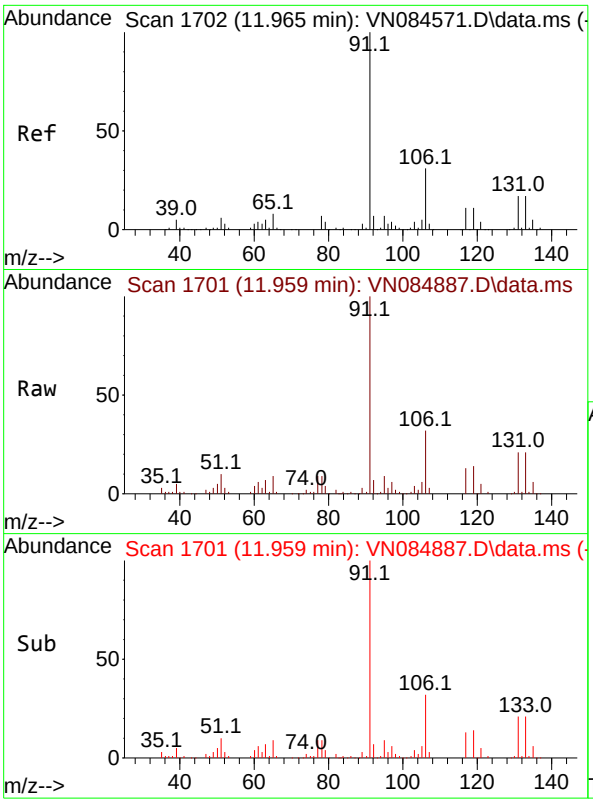


#66
1,1,1,2-Tetrachloroethane
Concen: 20.811 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:131 Resp: 38455

Ion	Ratio	Lower	Upper
131	100		
133	96.4	47.9	143.7
119	63.4	32.8	98.3



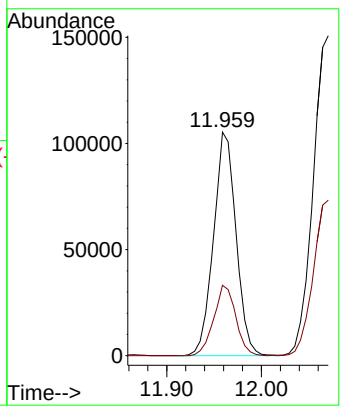


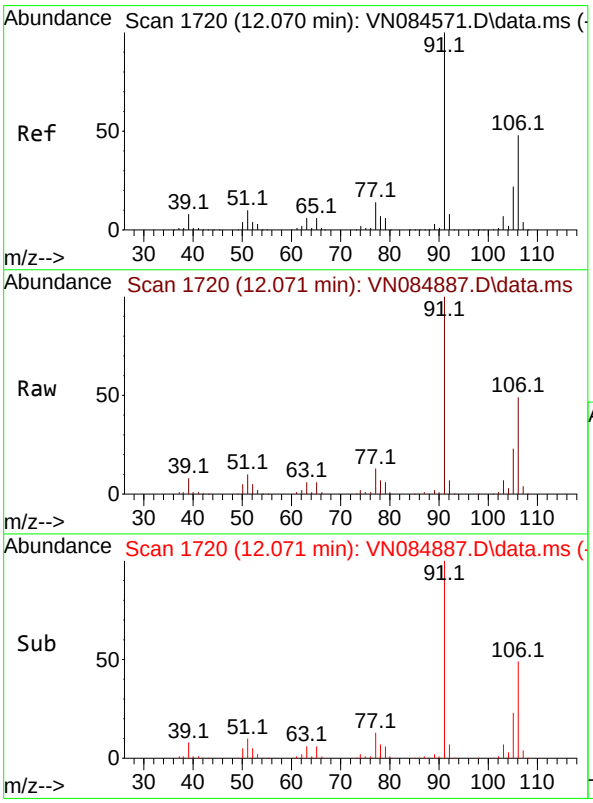
#67
Ethyl Benzene
Concen: 19.640 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion: 91 Resp: 174156

Ion	Ratio	Lower	Upper
91	100		
106	31.5	24.5	36.7

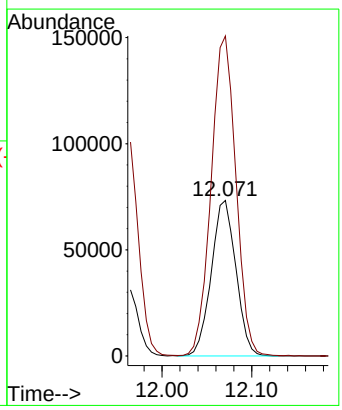


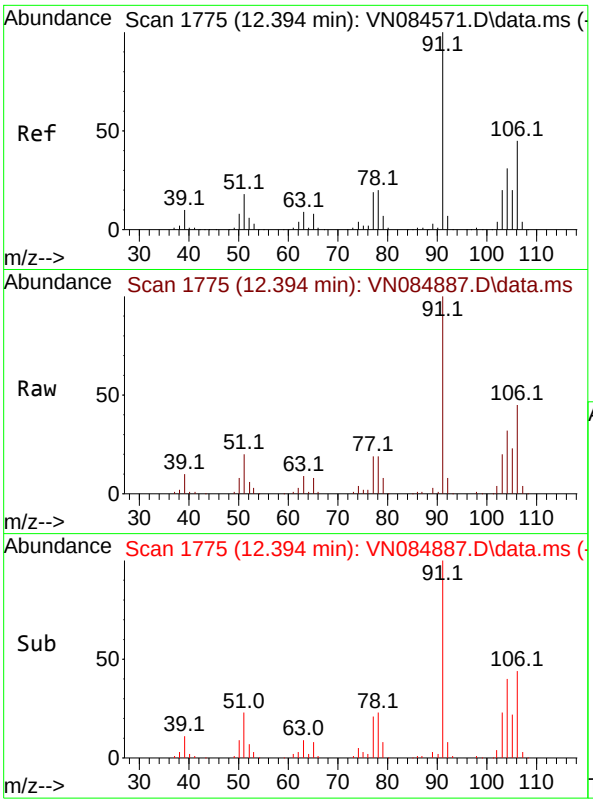


#68
m/p-Xylenes
Concen: 41.559 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:106 Resp: 139516

Ion	Ratio	Lower	Upper
106	100		
91	207.3	167.1	250.7



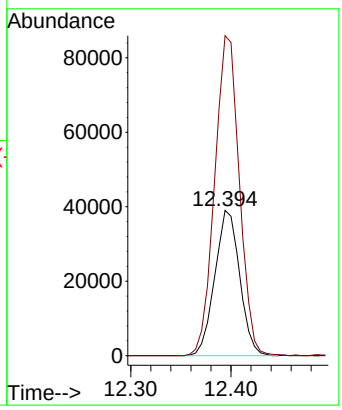


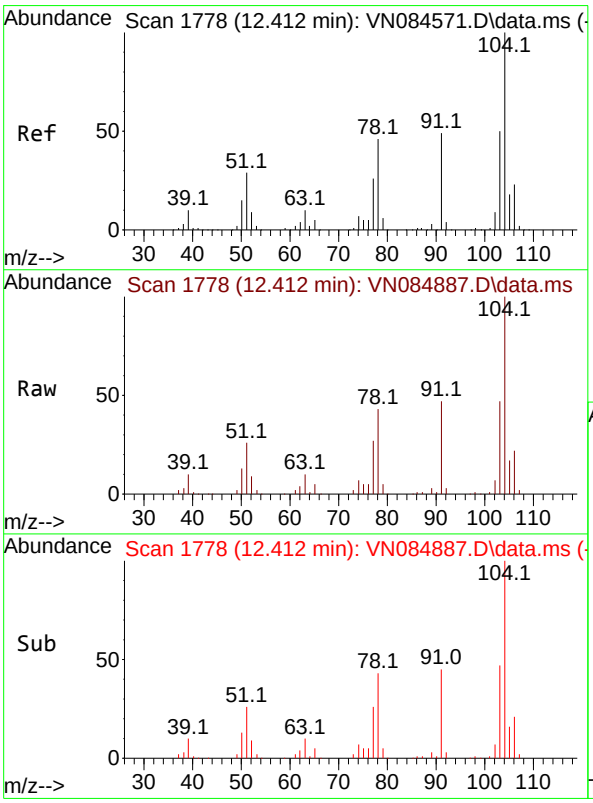
#69
o-Xylene
Concen: 21.372 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion:106 Resp: 67119

Ion	Ratio	Lower	Upper
106	100		
91	219.0	110.2	330.6

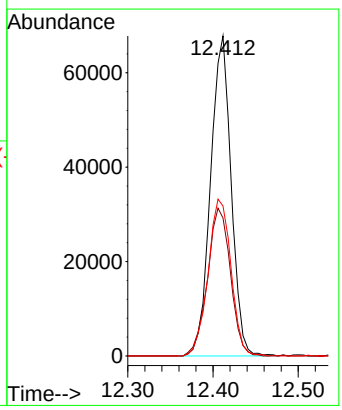


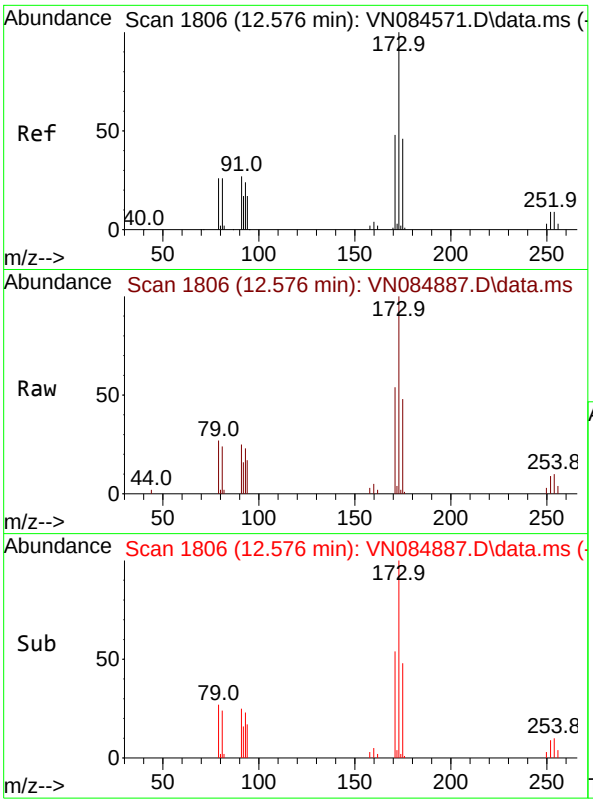


#70
Styrene
Concen: 20.801 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:104 Resp: 113957

Ion	Ratio	Lower	Upper
104	100		
78	51.5	42.7	64.1
103	54.4	43.6	65.4



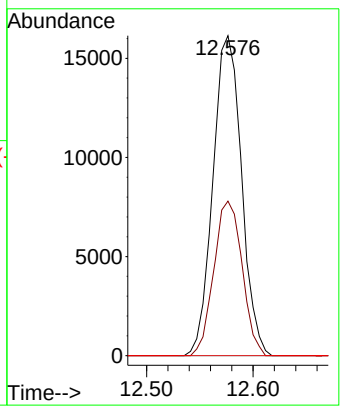


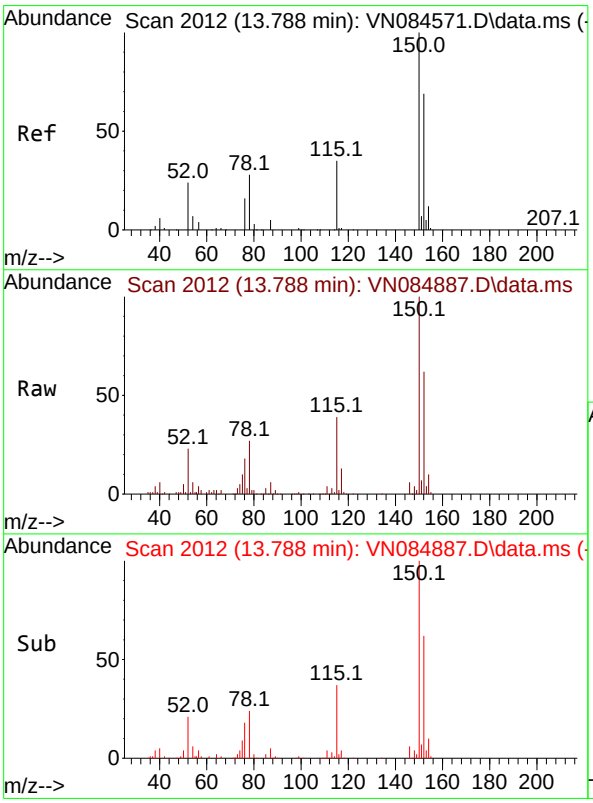
#71
Bromoform
Concen: 21.636 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion:173 Resp: 30083

Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.5	70.6
254	0.0	0.0	0.0

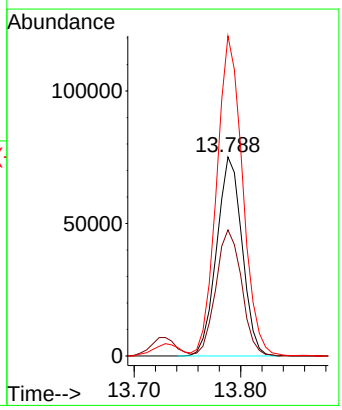


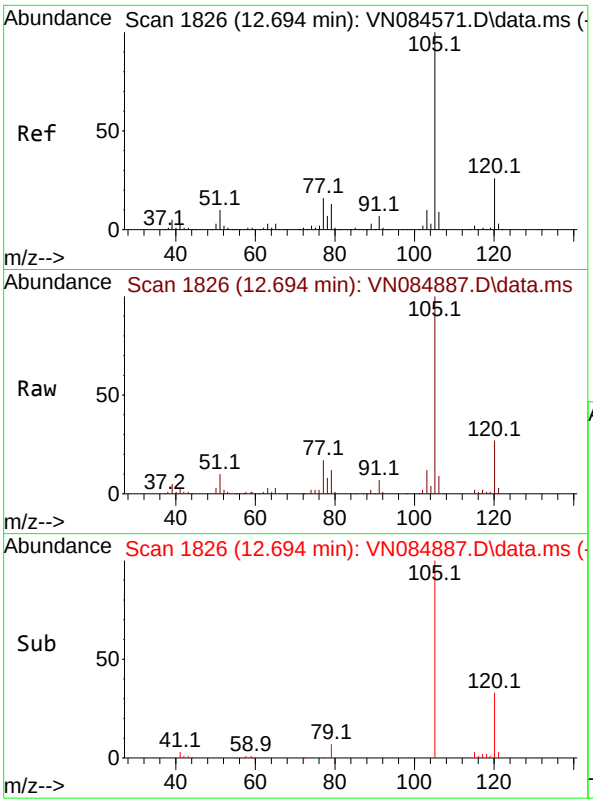


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:152 Resp: 124353

Ion	Ratio	Lower	Upper
152	100		
115	64.4	31.3	93.9
150	164.3	0.0	349.8



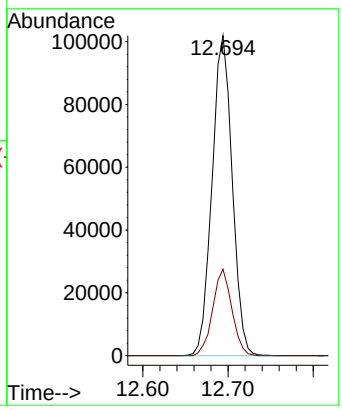


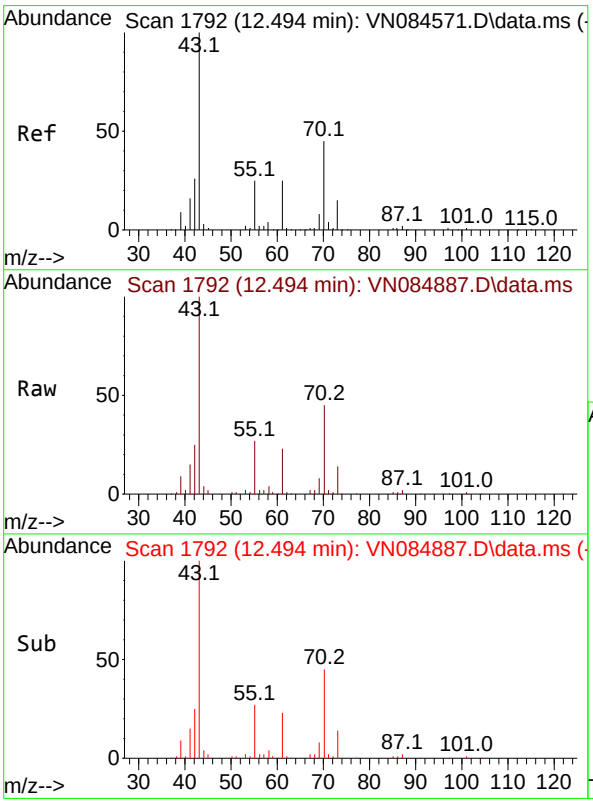
#73
Isopropylbenzene
Concen: 19.238 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion:105 Resp: 167648

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.9	38.7

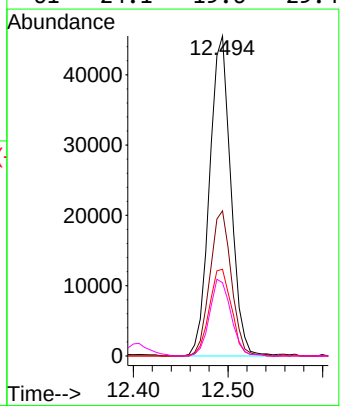


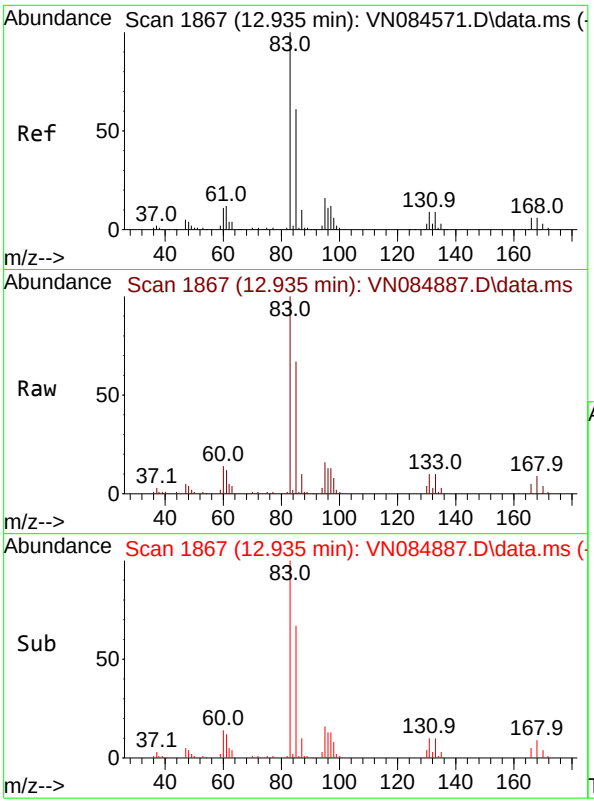


#74
N-amyl acetate
Concen: 19.201 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 43 Resp: 71216

Ion	Ratio	Lower	Upper
43	100		
70	45.8	34.4	51.6
55	28.1	19.6	29.4
61	24.1	19.6	29.4



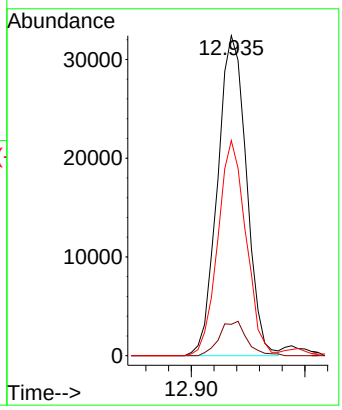


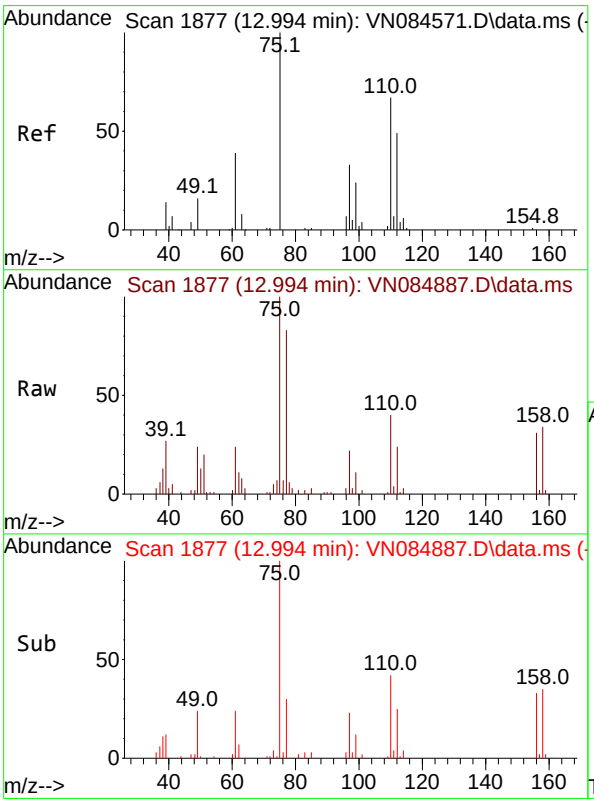
#75
1,1,2,2-Tetrachloroethane
Concen: 19.717 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion: 83 Resp: 57353

Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.9	14.7
85	65.5	31.9	95.7

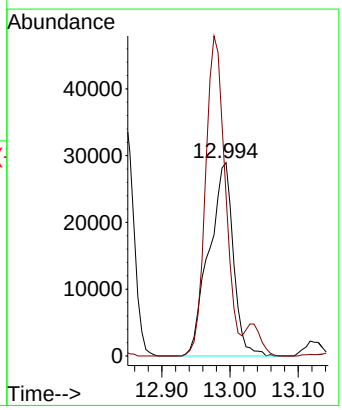


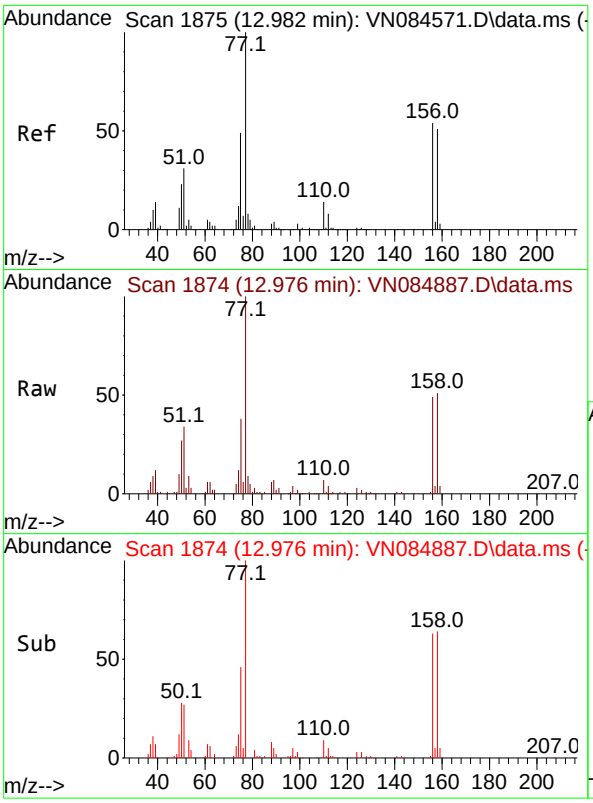


#76
1,2,3-Trichloropropane
Concen: 28.996 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 75 Resp: 72078

Ion	Ratio	Lower	Upper
75	100		
77	134.1	96.9	290.7



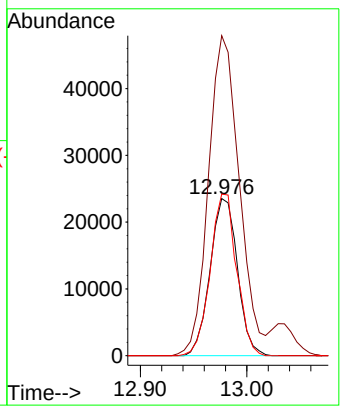


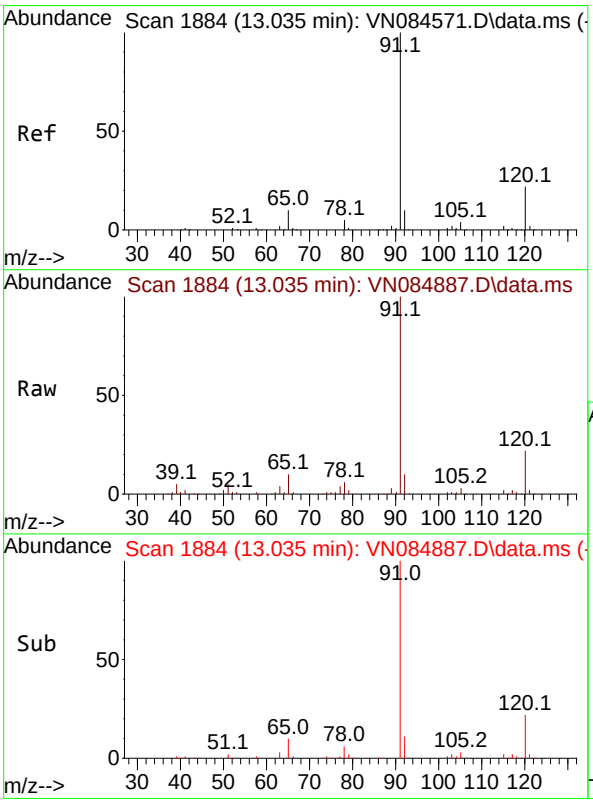
#77
Bromobenzene
Concen: 17.895 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion:156 Resp: 41923

Ion	Ratio	Lower	Upper
156	100		
77	230.5	115.1	345.3
158	99.4	48.9	146.8

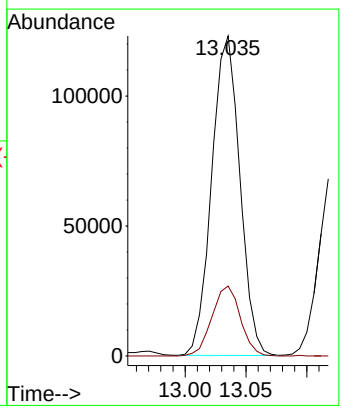


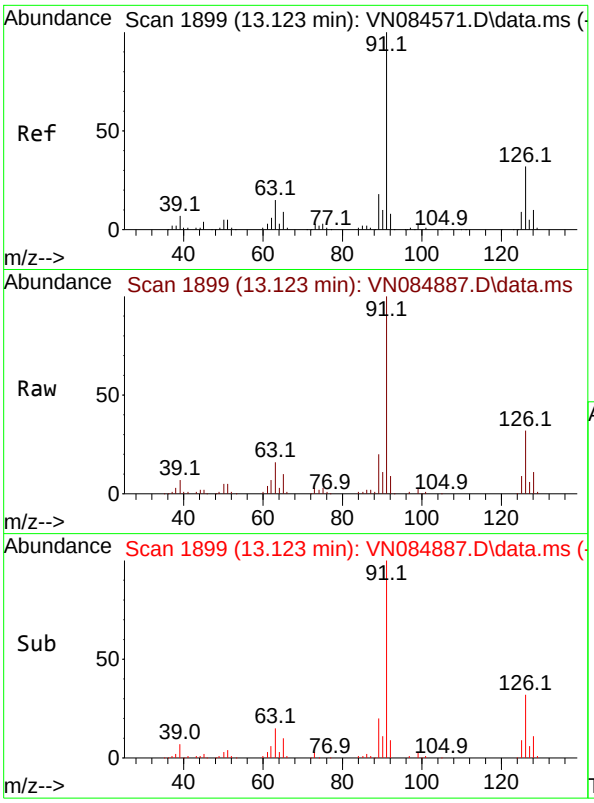


#78
n-propylbenzene
Concen: 19.360 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 91 Resp: 197703

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4



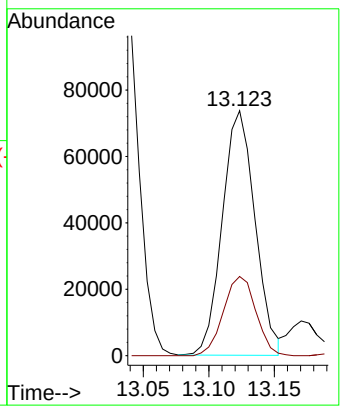


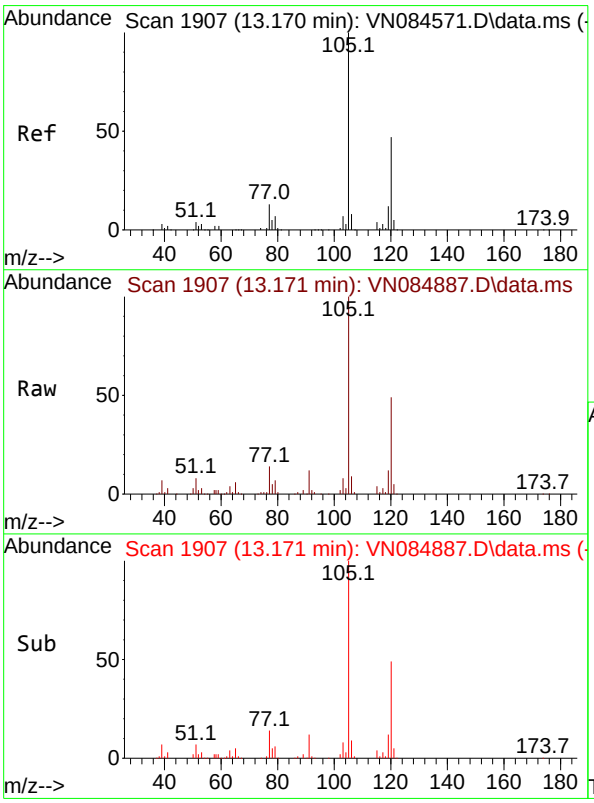
#79
2-Chlorotoluene
Concen: 19.202 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion: 91 Resp: 128127

Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1

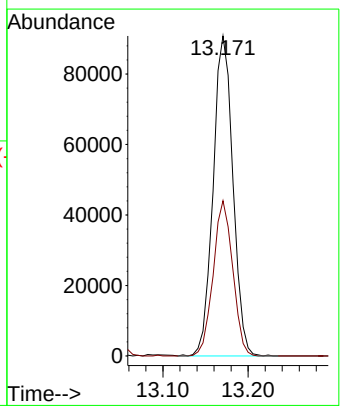


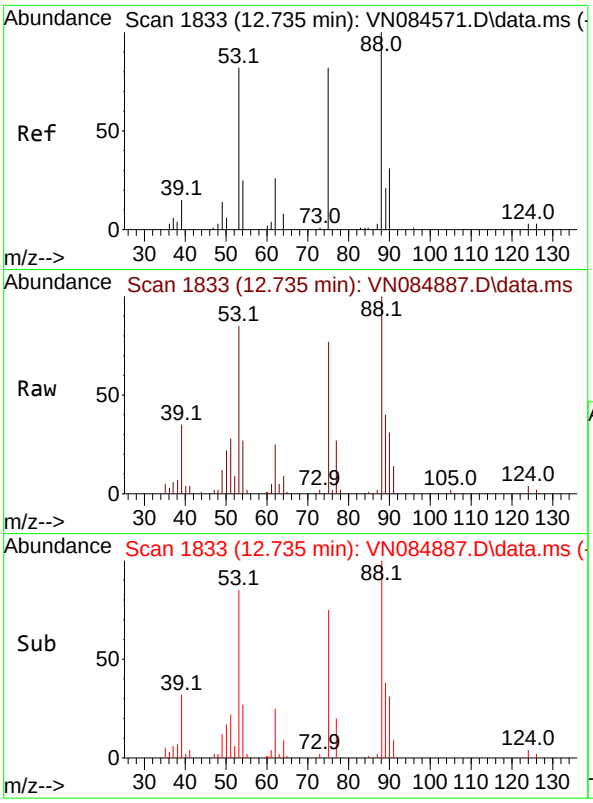


#80
1,3,5-Trimethylbenzene
Concen: 20.299 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:105 Resp: 146613

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.7	71.1



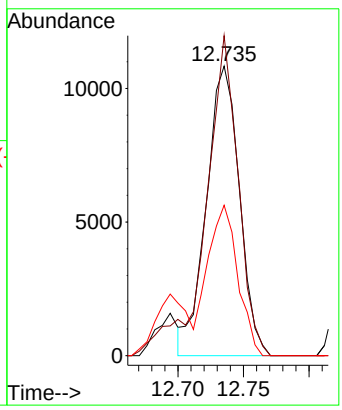


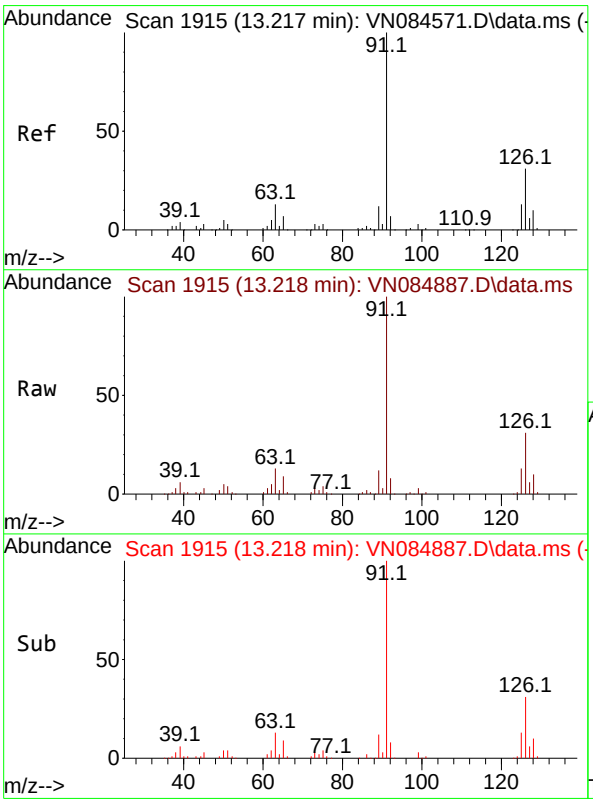
#81
trans-1,4-Dichloro-2-butene
Concen: 18.081 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion: 75 Resp: 18945

Ion	Ratio	Lower	Upper
75	100		
53	109.5	78.0	117.0
89	47.6	35.5	53.3

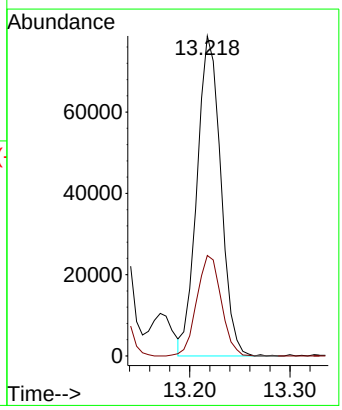


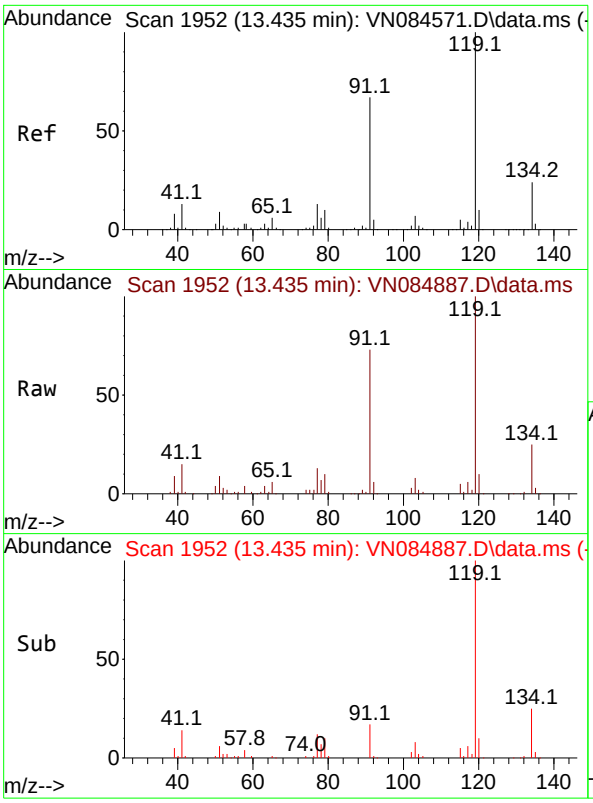


#82
4-Chlorotoluene
Concen: 18.489 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 91 Resp: 129830

Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.7	47.1



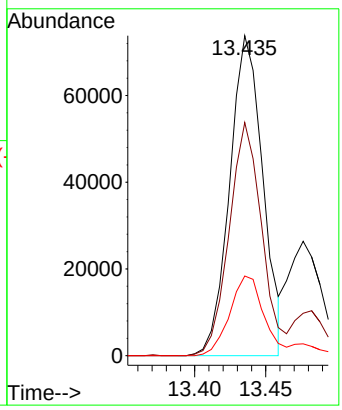


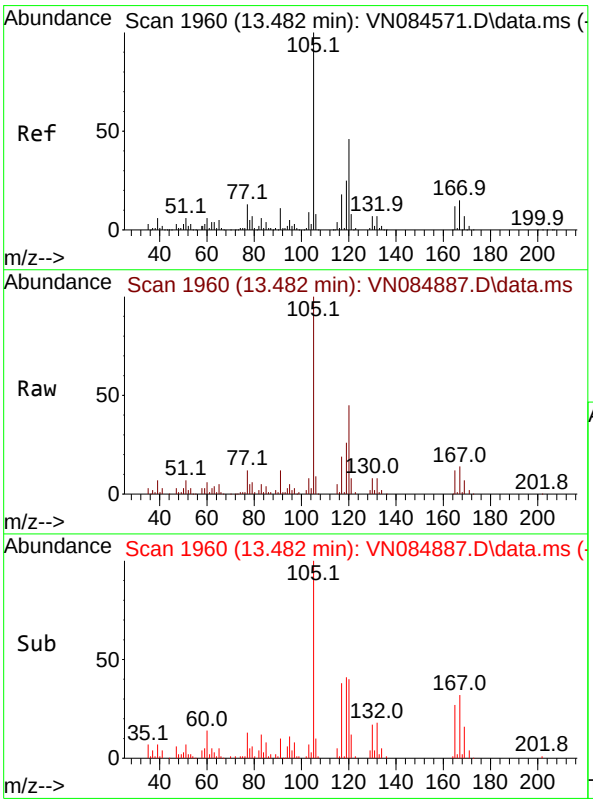
#83
tert-Butylbenzene
Concen: 20.070 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion:119 Resp: 119970

Ion	Ratio	Lower	Upper
119	100		
91	71.9	34.1	102.3
134	25.5	12.8	38.4

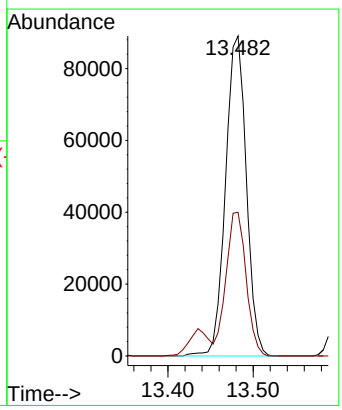


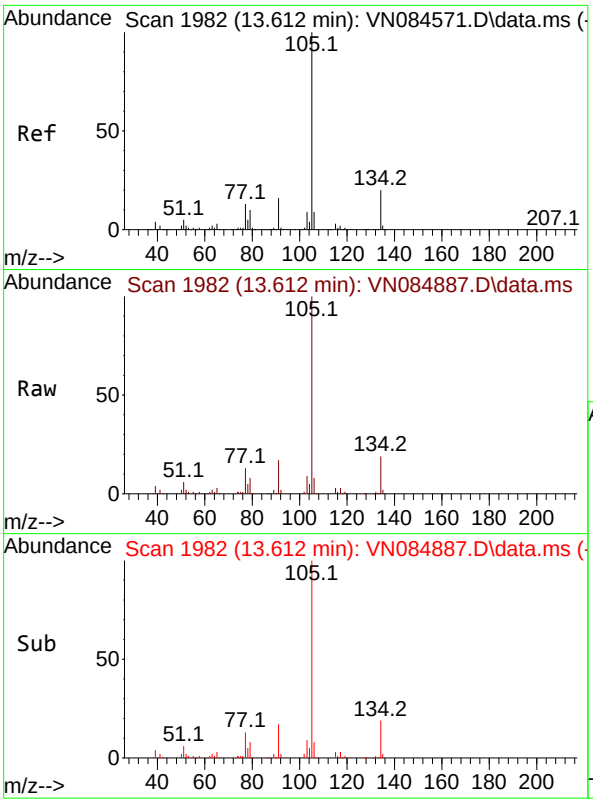


#84
1,2,4-Trimethylbenzene
Concen: 20.245 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:105 Resp: 150913

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.3	66.8



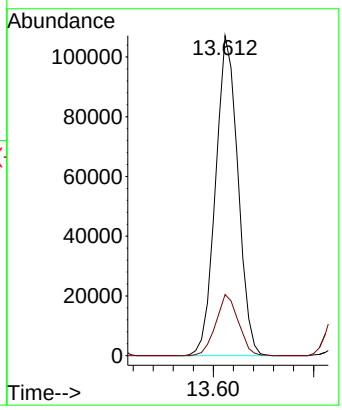


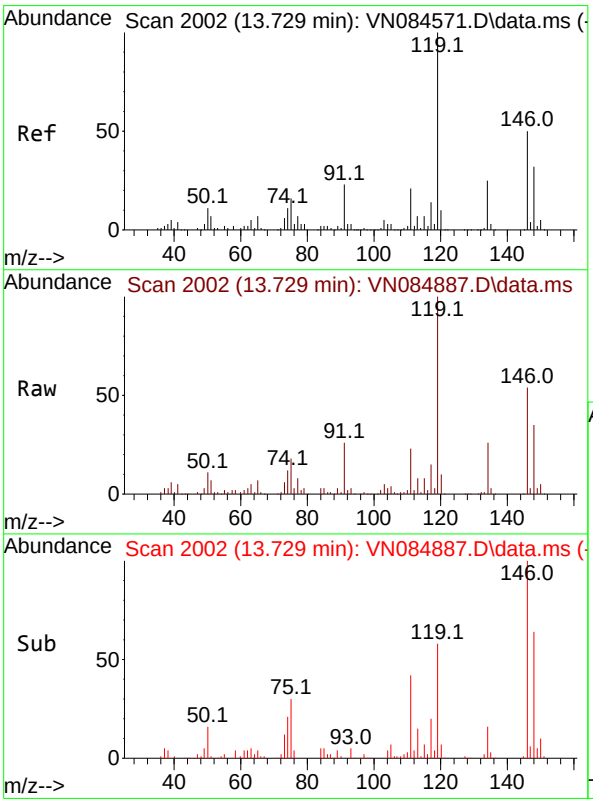
#85
sec-Butylbenzene
Concen: 19.613 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion:105 Resp: 165605

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4

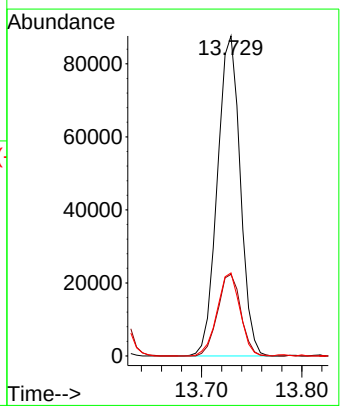


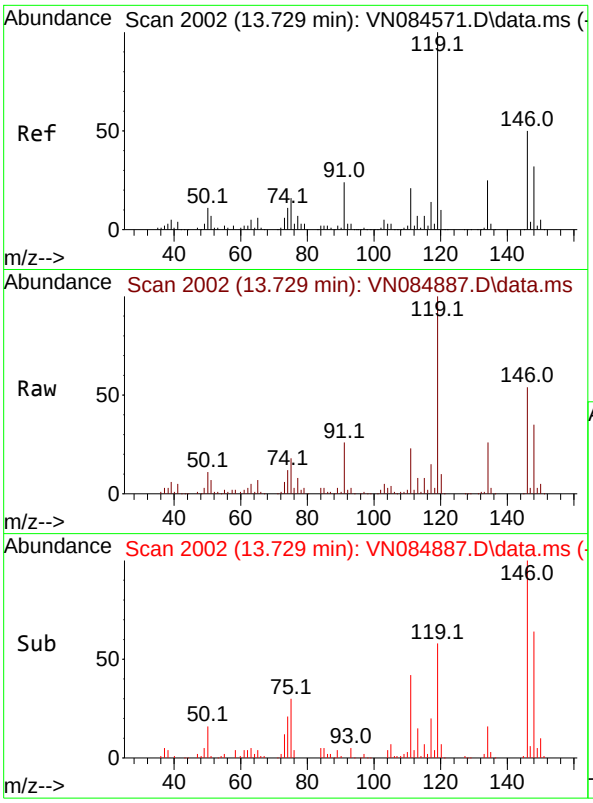


#86
p-Isopropyltoluene
Concen: 20.033 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:119 Resp: 138725

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.6	37.8
91	26.0	12.4	37.2



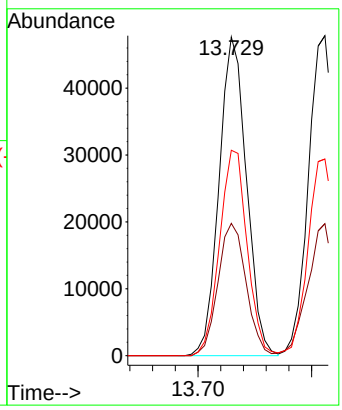


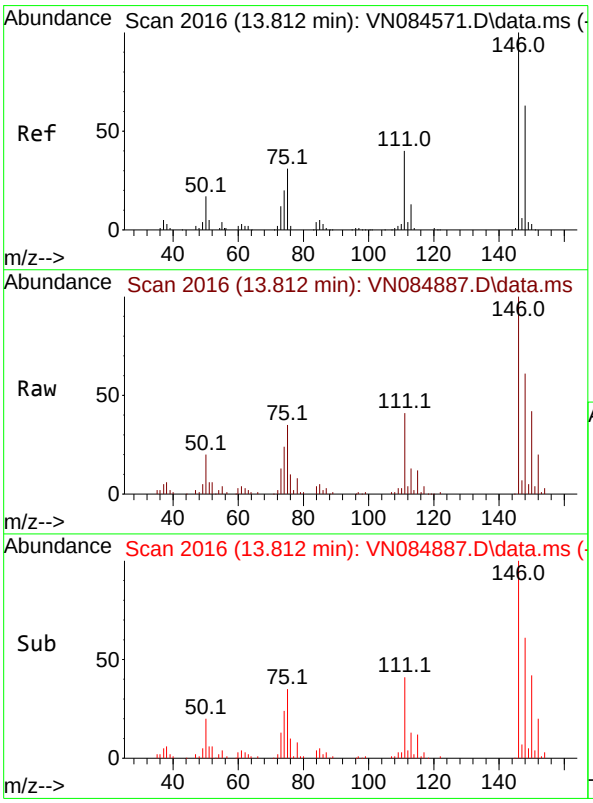
#87
1,3-Dichlorobenzene
Concen: 17.465 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion:146 Resp: 79850

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.8	65.3
148	64.9	31.9	95.7

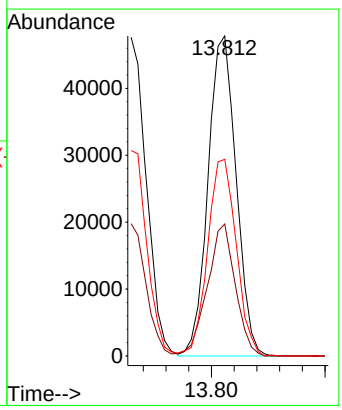


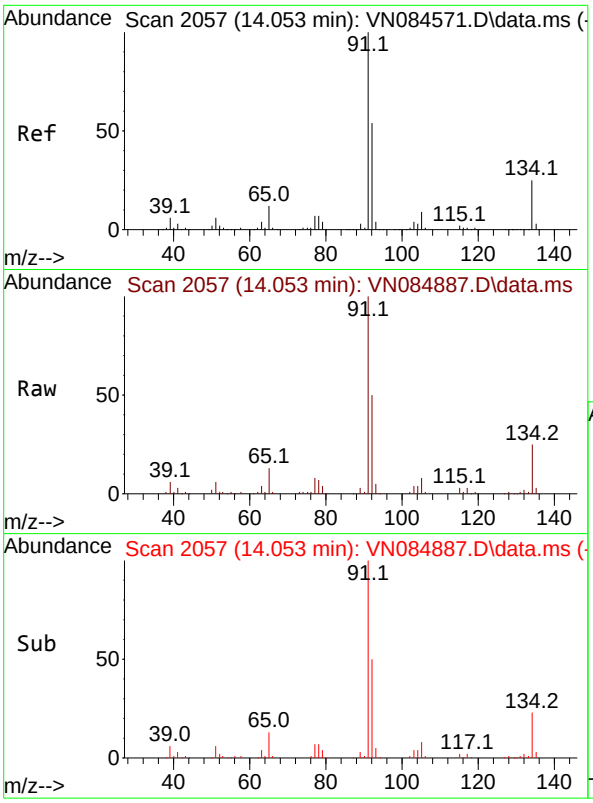


#88
1,4-Dichlorobenzene
Concen: 18.909 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:146 Resp: 82241

Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.2	63.6
148	62.6	31.9	95.9



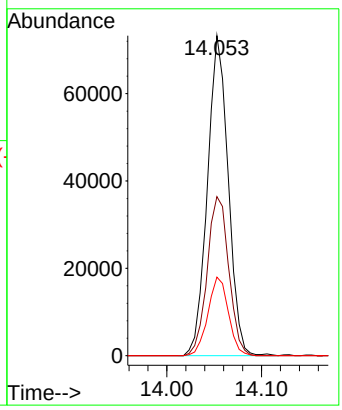


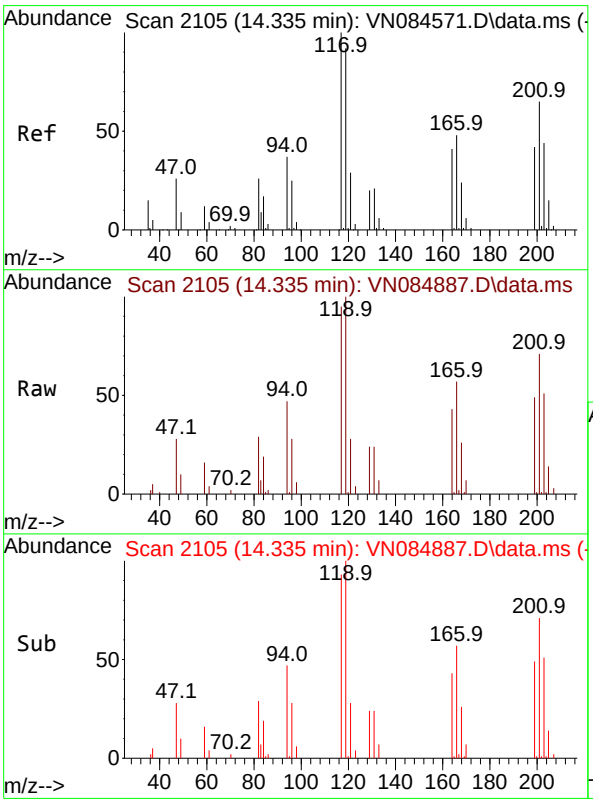
#89
n-Butylbenzene
Concen: 17.232 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion: 91 Resp: 111622

Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.6	79.7
134	24.2	12.3	36.9

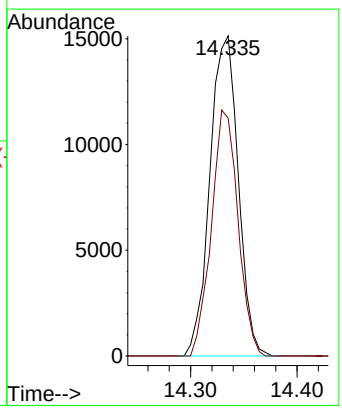


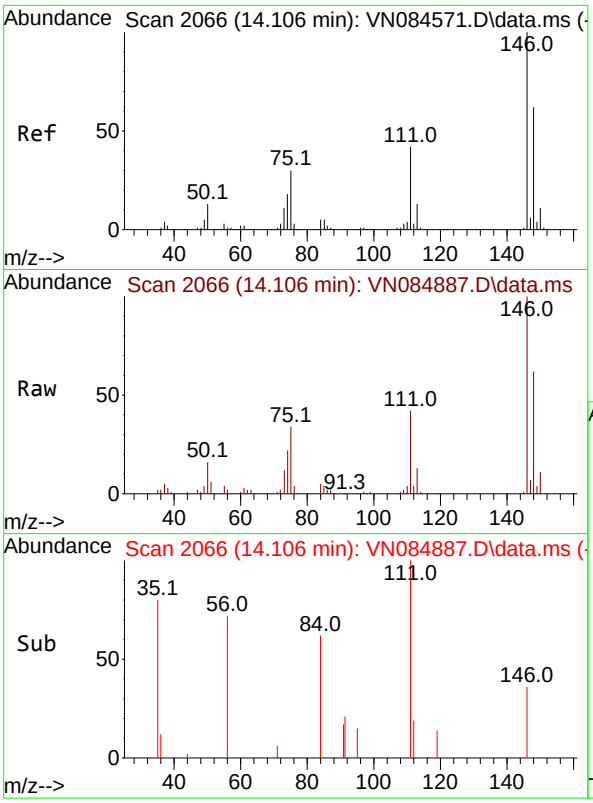


#90
Hexachloroethane
Concen: 18.108 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:117 Resp: 27964

Ion	Ratio	Lower	Upper
117	100		
201	72.0	34.4	103.2



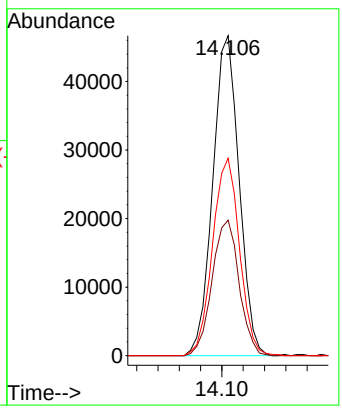


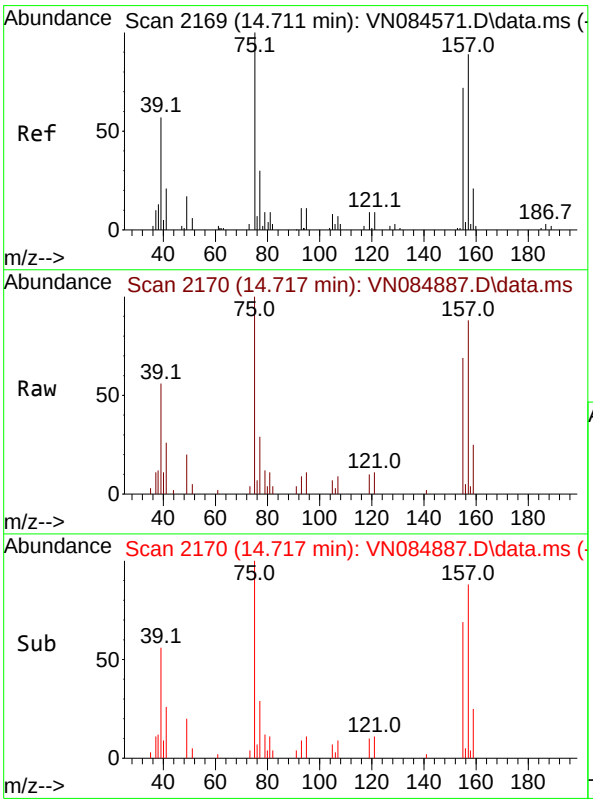
#91
1,2-Dichlorobenzene
Concen: 18.190 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion:146 Resp: 79916

Ion	Ratio	Lower	Upper
146	100		
111	43.5	22.0	66.0
148	63.3	32.1	96.3

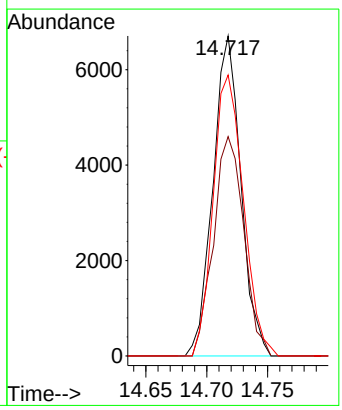


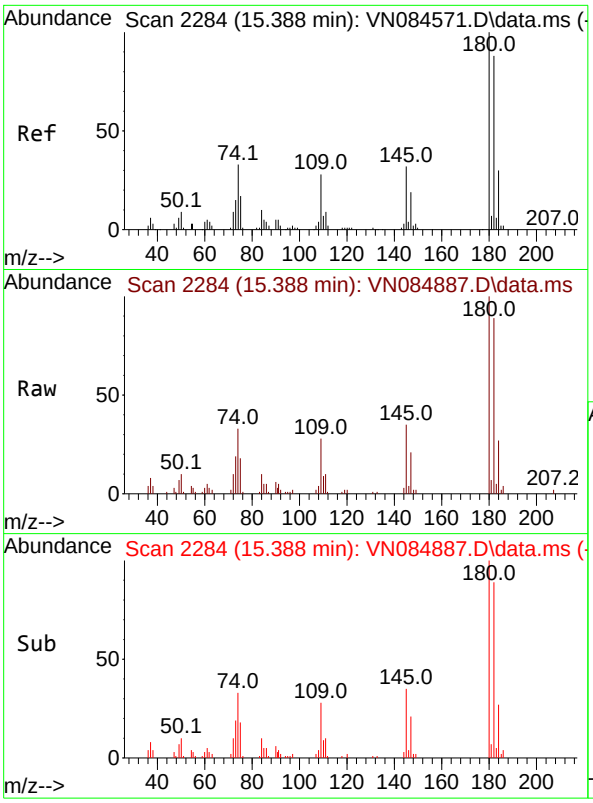


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.158 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion: 75 Resp: 10700

Ion	Ratio	Lower	Upper
75	100		
155	74.4	38.1	114.5
157	95.1	49.6	149.0



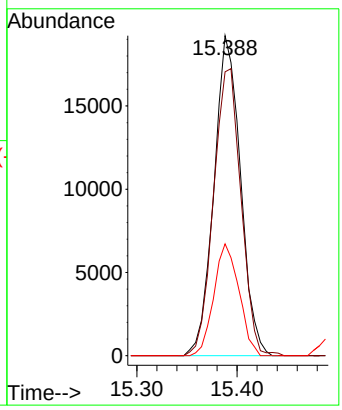


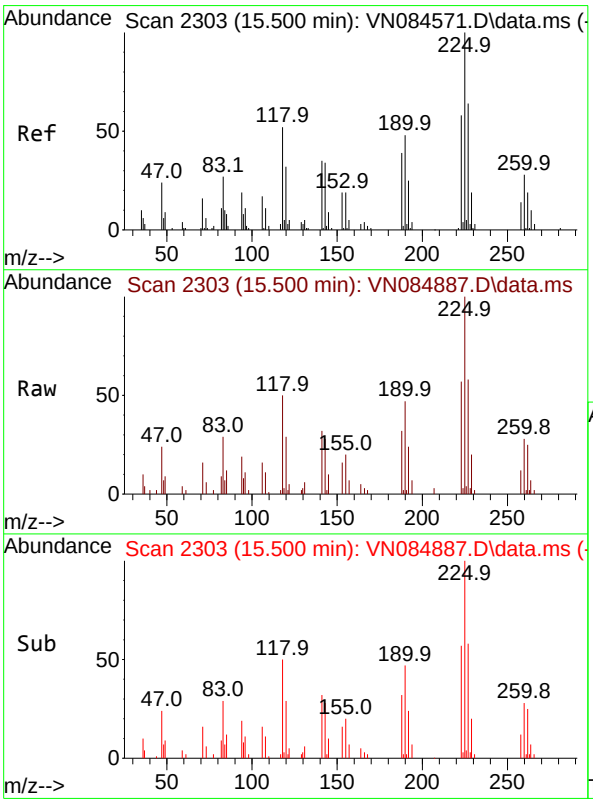
#93
1,2,4-Trichlorobenzene
Concen: 14.690 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion:180 Resp: 35324

Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.0	141.0
145	33.0	16.4	49.4

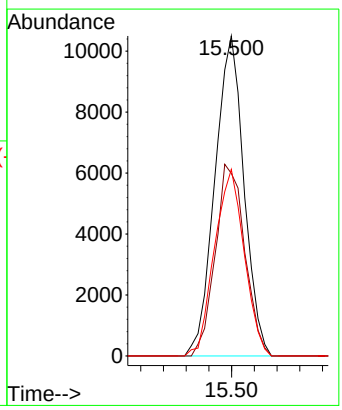


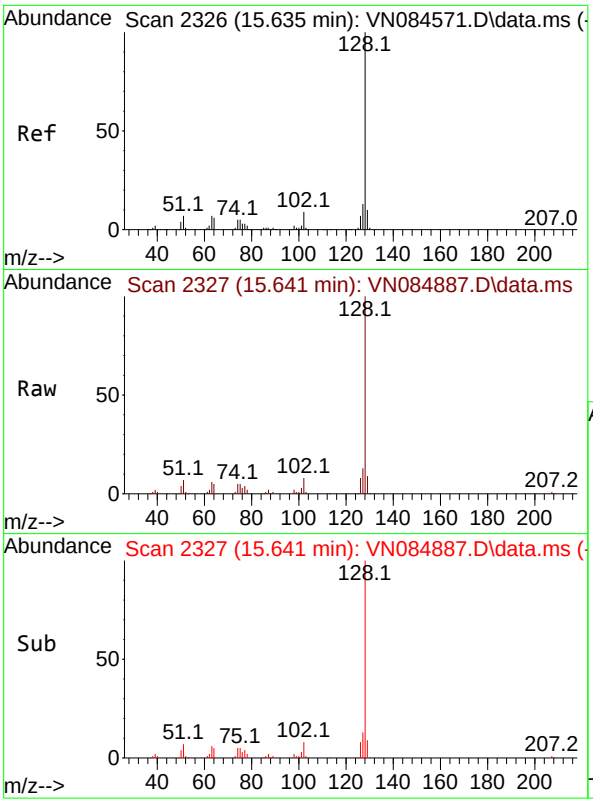


#94
Hexachlorobutadiene
Concen: 17.673 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:225 Resp: 18663

Ion	Ratio	Lower	Upper
225	100		
223	60.7	32.4	97.2
227	59.5	32.4	97.0



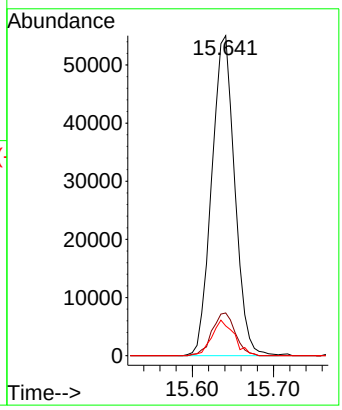


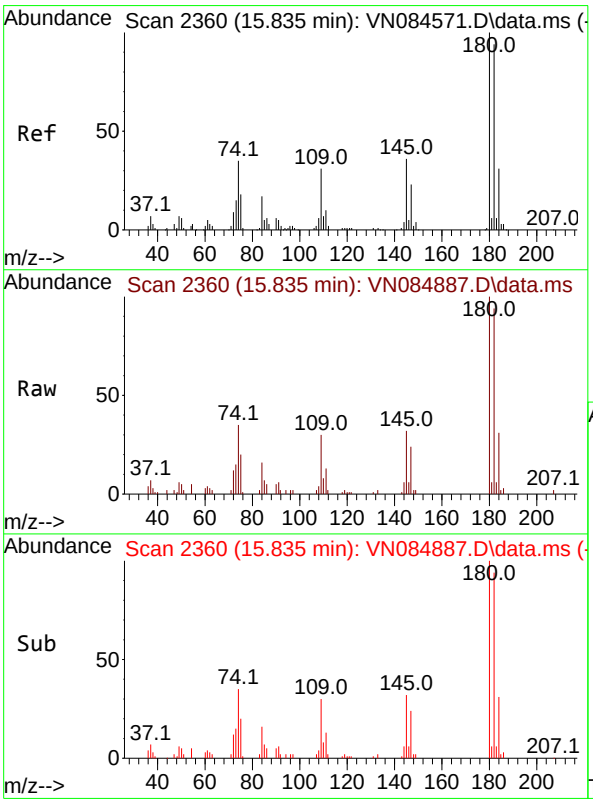
#95
Naphthalene
Concen: 15.073 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Tgt Ion:128 Resp: 108489

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.5	15.7
129	10.9	8.7	13.1

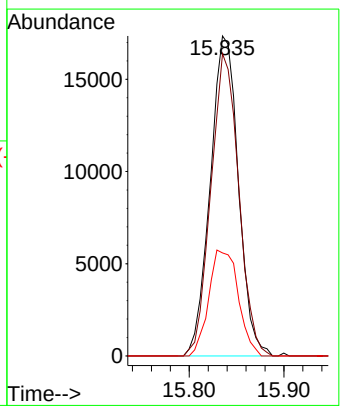




#96
1,2,3-Trichlorobenzene
Concen: 15.341 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084887.D
Acq: 17 Nov 2024 11:50

Tgt Ion:180 Resp: 35810

Ion	Ratio	Lower	Upper
180	100		
182	93.2	48.2	144.6
145	34.6	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084907.D
Acq On : 17 Nov 2024 20:01
Operator : JC\MD
Sample : P4845-06MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Quant Time: Nov 18 00:26:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	140467	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	229039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	204228	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	108316	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	99024	48.809	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.620%			
35) Dibromofluoromethane	8.159	113	77814	50.192	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.380%			
50) Toluene-d8	10.565	98	280529	49.122	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.240%			
62) 4-Bromofluorobenzene	12.847	95	112401	52.663	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	76620	47.449	ug/l	98
3) Chloromethane	2.360	50	90030	47.383	ug/l	99
4) Vinyl Chloride	2.512	62	94882	54.631	ug/l	98
5) Bromomethane	2.901	94	51261	55.706	ug/l	96
6) Chloroethane	3.065	64	61105	57.033	ug/l	92
7) Trichlorofluoromethane	3.459	101	158511	55.405	ug/l	99
8) Diethyl Ether	3.954	74	49647	49.193	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.348	101	82245	50.875	ug/l	97
10) Methyl Iodide	4.571	142	117902	54.569	ug/l	97
11) Tert butyl alcohol	5.542	59	76829	286.891	ug/l	99
12) 1,1-Dichloroethene	4.324	96	77375	48.371	ug/l	90
13) Acrolein	4.171	56	72666	272.116	ug/l	96
14) Allyl chloride	5.012	41	122088	47.062	ug/l	94
15) Acrylonitrile	5.712	53	210734	271.822	ug/l	100
16) Acetone	4.430	43	169105	288.996	ug/l	97
17) Carbon Disulfide	4.701	76	205382	41.692	ug/l	100
18) Methyl Acetate	5.018	43	99015	45.927	ug/l	97
19) Methyl tert-butyl Ether	5.795	73	266148	54.283	ug/l	98
20) Methylene Chloride	5.259	84	88552	49.626	ug/l	89
21) trans-1,2-Dichloroethene	5.771	96	80379	48.936	ug/l	98
22) Diisopropyl ether	6.671	45	254803	49.431	ug/l	98
23) Vinyl Acetate	6.595	43	879170	247.324	ug/l	97
24) 1,1-Dichloroethane	6.559	63	153509	49.603	ug/l	99
25) 2-Butanone	7.477	43	264864	279.833	ug/l	100
26) 2,2-Dichloropropane	7.483	77	120188	44.620	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	96552	50.342	ug/l	95
28) Bromochloromethane	7.806	49	58774	47.668	ug/l	88
29) Tetrahydrofuran	7.836	42	173987	277.081	ug/l	92
30) Chloroform	7.959	83	164319	52.167	ug/l	97
31) Cyclohexane	8.253	56	126802	45.270	ug/l	91
32) 1,1,1-Trichloroethane	8.165	97	154221	53.793	ug/l	96
36) 1,1-Dichloropropene	8.365	75	109740	51.039	ug/l	99
37) Ethyl Acetate	7.559	43	103208	52.906	ug/l	98
38) Carbon Tetrachloride	8.353	117	133766	55.660	ug/l	98
39) Methylcyclohexane	9.594	83	118355	54.109	ug/l	97
40) Benzene	8.600	78	351234	50.867	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084907.D
Acq On : 17 Nov 2024 20:01
Operator : JC\MD
Sample : P4845-06MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Quant Time: Nov 18 00:26:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.771	41	60982	58.131 ug/l	95
42) 1,2-Dichloroethane	8.665	62	122288	54.685 ug/l	99
43) Isopropyl Acetate	8.689	43	183494	50.933 ug/l	97
44) Trichloroethene	9.347	130	82031	51.512 ug/l	98
45) 1,2-Dichloropropane	9.618	63	85048	52.506 ug/l	99
46) Dibromomethane	9.706	93	61284	53.618 ug/l	94
47) Bromodichloromethane	9.888	83	130729	54.260 ug/l	99
48) Methyl methacrylate	9.677	41	86362	56.883 ug/l	94
49) 1,4-Dioxane	9.694	88	33689	1252.193 ug/l #	80
51) 4-Methyl-2-Pentanone	10.447	43	547087	294.185 ug/l	98
52) Toluene	10.630	92	223480	55.339 ug/l	98
53) t-1,3-Dichloropropene	10.835	75	124643	49.979 ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	129610	49.104 ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	83037	54.587 ug/l	95
56) Ethyl methacrylate	10.871	69	132855	60.379 ug/l	94
57) 1,3-Dichloropropane	11.165	76	142194	54.465 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.312	63	678	0.658 ug/l #	48
59) 2-Hexanone	11.194	43	408191	301.554 ug/l	96
60) Dibromochloromethane	11.359	129	99887	57.614 ug/l	99
61) 1,2-Dibromoethane	11.465	107	85137	54.653 ug/l	98
64) Tetrachloroethene	11.100	164	70915	52.203 ug/l	97
65) Chlorobenzene	11.888	112	235212	51.481 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	86030	54.133 ug/l	98
67) Ethyl Benzene	11.965	91	409522	53.697 ug/l	100
68) m/p-Xylenes	12.071	106	316350	109.565 ug/l	98
69) o-Xylene	12.394	106	154115	57.058 ug/l	100
70) Styrene	12.412	104	258466	54.855 ug/l	99
71) Bromoform	12.577	173	68659	57.415 ug/l #	99
73) Isopropylbenzene	12.694	105	394665	51.995 ug/l	100
74) N-amyl acetate	12.494	43	152199	47.111 ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	124200	49.021 ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	157179	72.594 ug/l	58
77) Bromobenzene	12.977	156	95069	46.590 ug/l	94
78) n-propylbenzene	13.035	91	449029	50.482 ug/l	98
79) 2-Chlorotoluene	13.124	91	285213	49.074 ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	335797	53.376 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	40998	44.922 ug/l	92
82) 4-Chlorotoluene	13.218	91	282308	46.155 ug/l	98
83) tert-Butylbenzene	13.435	119	290541	55.802 ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	339626	52.306 ug/l	99
85) sec-Butylbenzene	13.612	105	379195	51.558 ug/l	98
86) p-Isopropyltoluene	13.729	119	326047	54.054 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	175748	44.132 ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	175829	48.095 ug/l	99
89) n-Butylbenzene	14.053	91	256352	45.434 ug/l	99
90) Hexachloroethane	14.329	117	62720	46.627 ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	180429	47.149 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	24700	48.122 ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	88653	42.325 ug/l	99
94) Hexachlorobutadiene	15.500	225	42073	45.741 ug/l	97
95) Naphthalene	15.641	128	279438	44.572 ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	87032	42.804 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084907.D
Acq On : 17 Nov 2024 20:01
Operator : JC\MD
Sample : P4845-06MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Quant Time: Nov 18 00:26:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

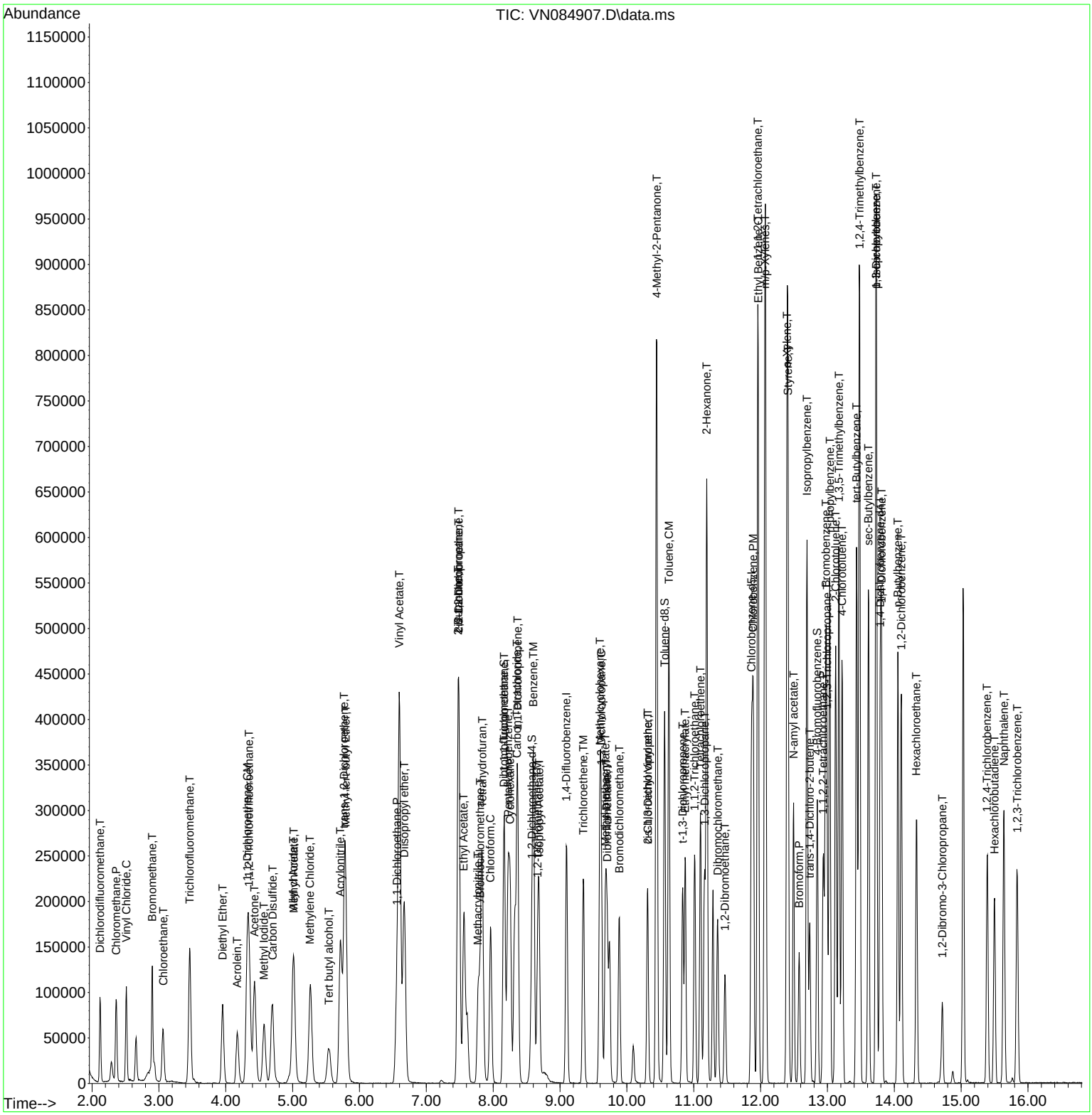
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

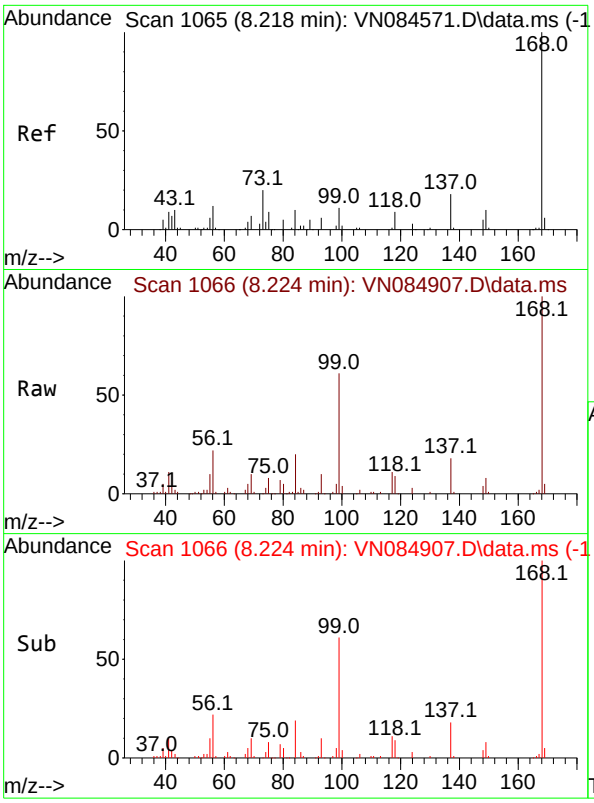
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084907.D
Acq On : 17 Nov 2024 20:01
Operator : JC\MD
Sample : P4845-06MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Quant Time: Nov 18 00:26:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



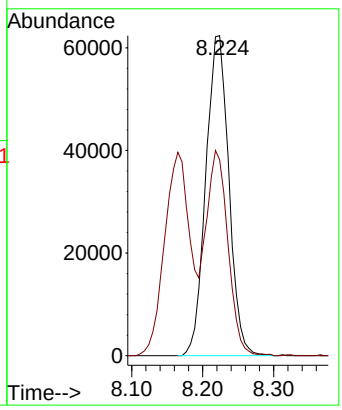


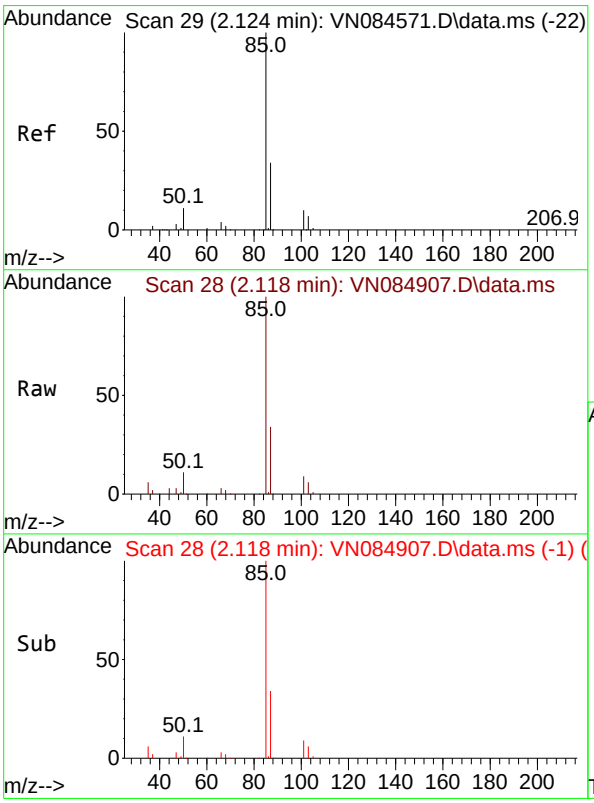
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion:168 Resp: 140467

Ion	Ratio	Lower	Upper
168	100		
99	61.2	54.2	81.2

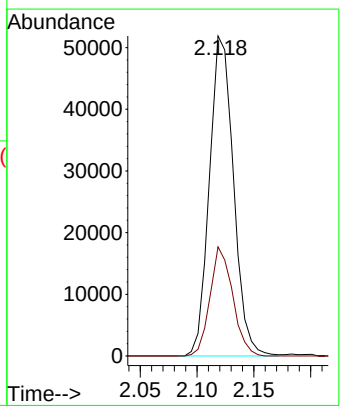


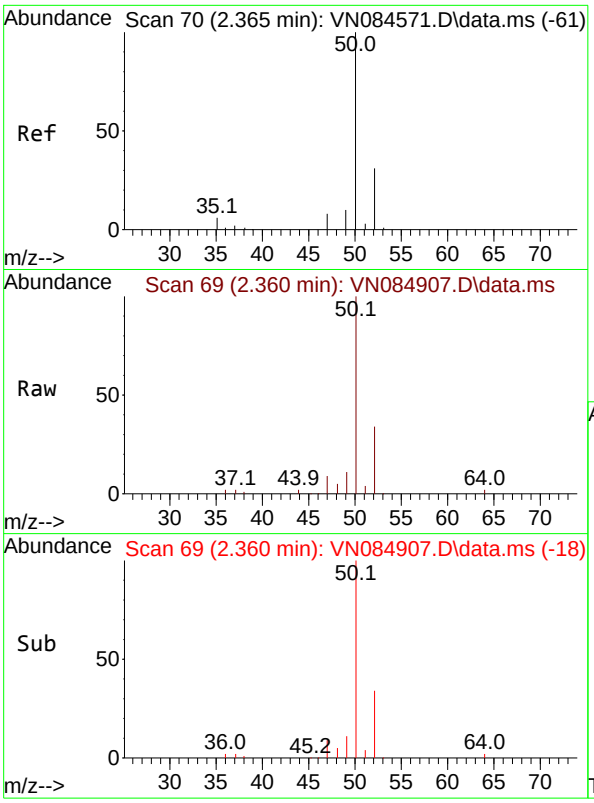


#2
Dichlorodifluoromethane
Concen: 47.449 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 85 Resp: 76620

Ion	Ratio	Lower	Upper
85	100		
87	34.1	17.6	52.9



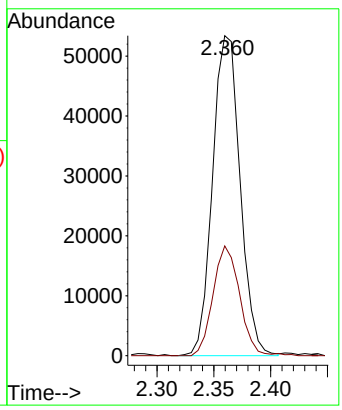


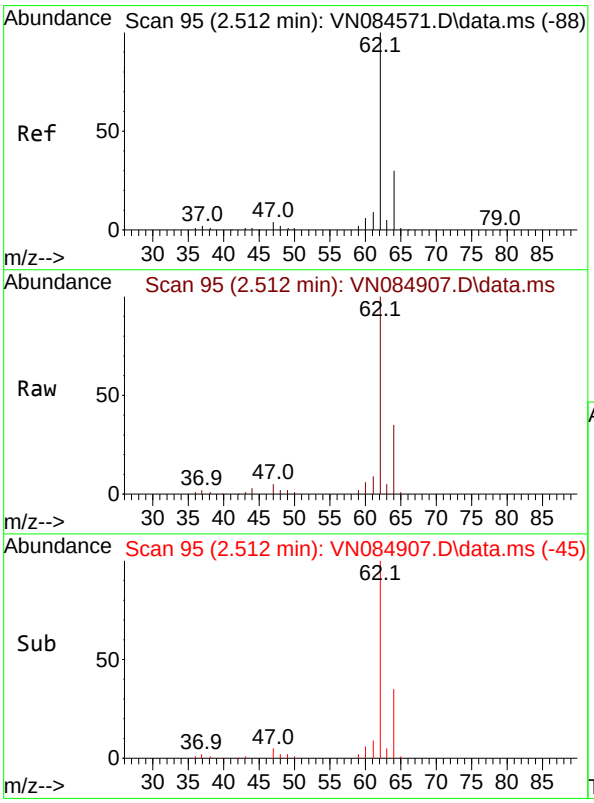
#3
Chloromethane
Concen: 47.383 ug/l
RT: 2.360 min Scan# 6
Delta R.T. 0.001 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion: 50 Resp: 90030

Ion	Ratio	Lower	Upper
50	100		
52	34.3	26.8	40.2

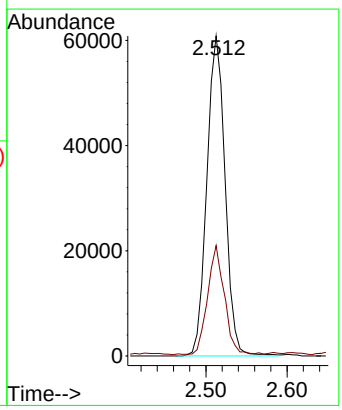


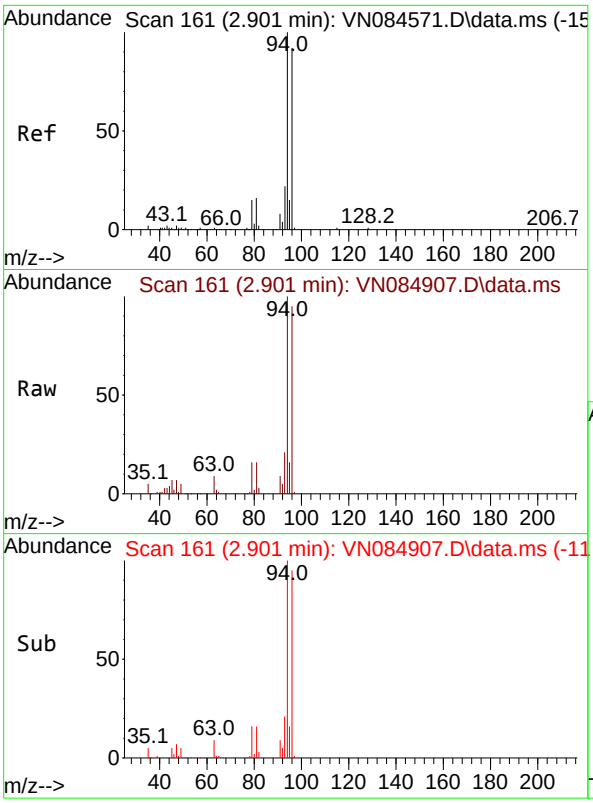


#4
Vinyl Chloride
Concen: 54.631 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 62 Resp: 94882

Ion	Ratio	Lower	Upper
62	100		
64	33.9	26.2	39.4



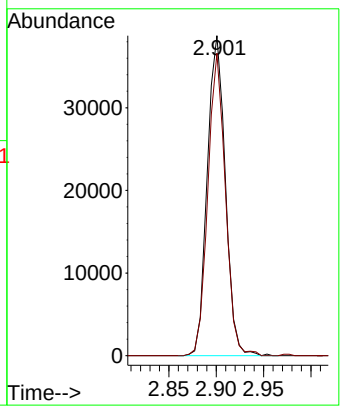


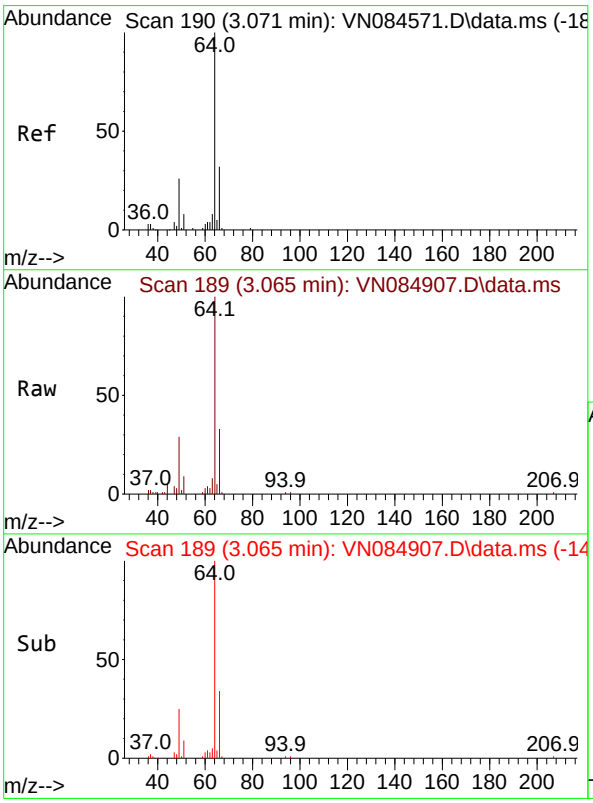
#5
Bromomethane
Concen: 55.706 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.052 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion: 94 Resp: 51261

Ion	Ratio	Lower	Upper
94	100		
96	94.5	72.9	109.3

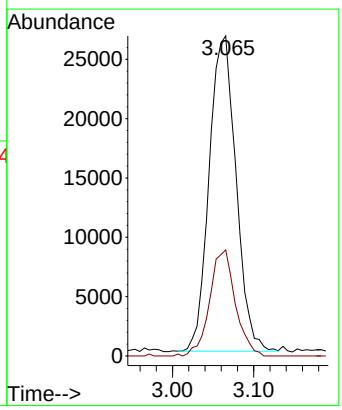


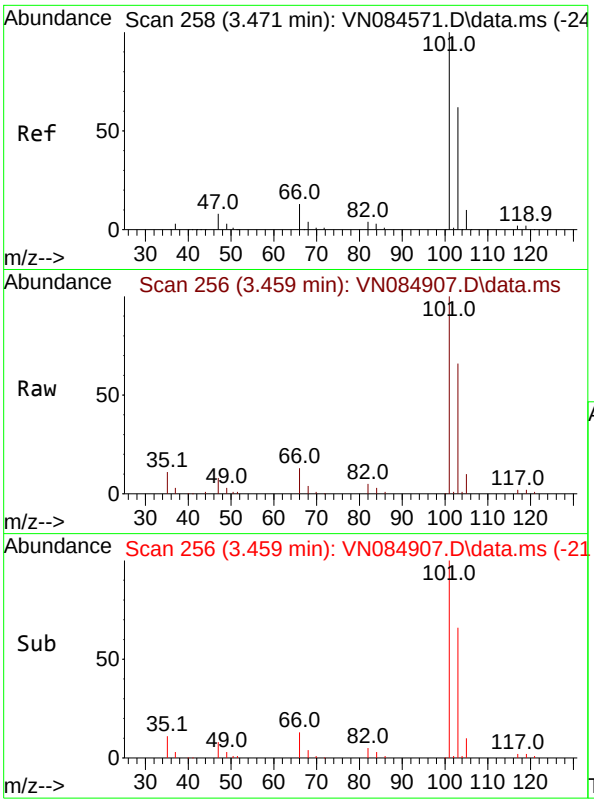


#6
Chloroethane
Concen: 57.033 ug/l
RT: 3.065 min Scan# 189
Delta R.T. -0.053 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 64 Resp: 61105

Ion	Ratio	Lower	Upper
64	100		
66	33.7	23.5	35.3



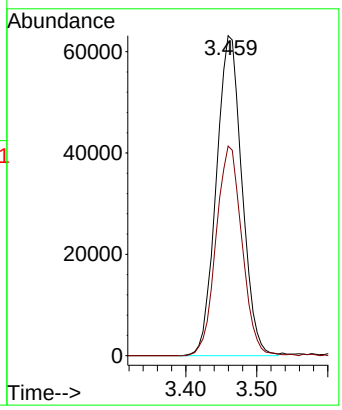


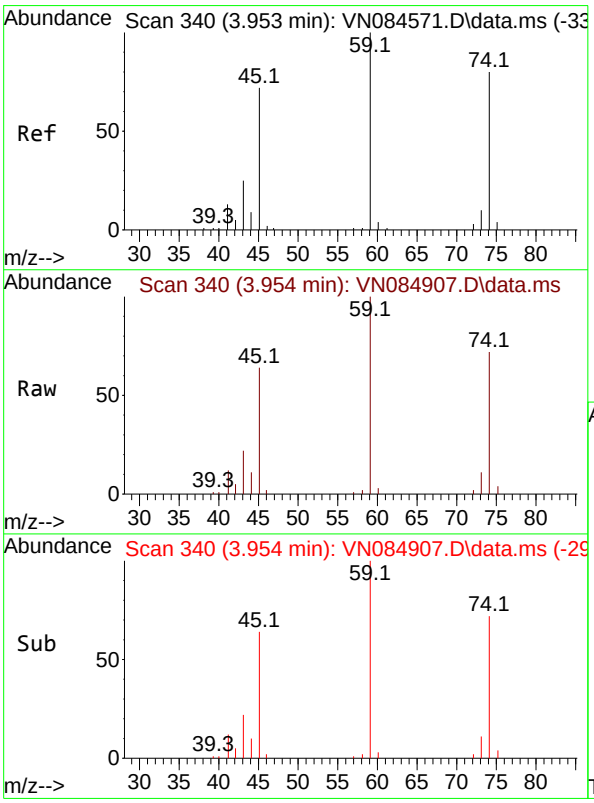
#7
Trichlorofluoromethane
Concen: 55.405 ug/l
RT: 3.459 min Scan# 2
Delta R.T. -0.036 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion:101 Resp: 158511

Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.8	77.6

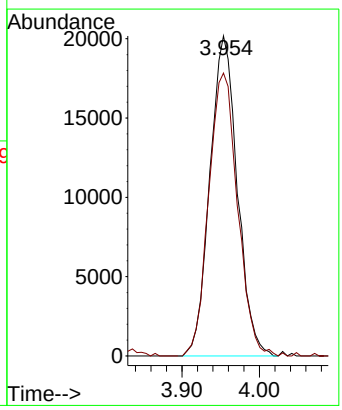


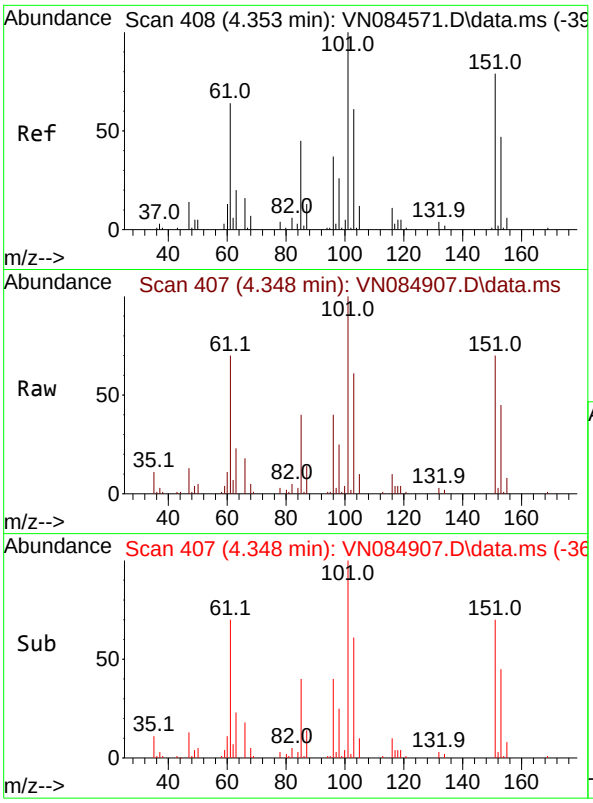


#8
Diethyl Ether
Concen: 49.193 ug/l
RT: 3.954 min Scan# 340
Delta R.T. -0.005 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 74 Resp: 49647

Ion	Ratio	Lower	Upper
74	100		
45	92.8	47.7	143.1



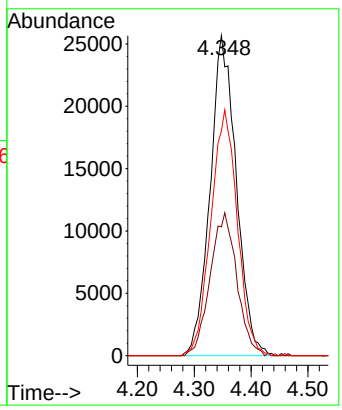


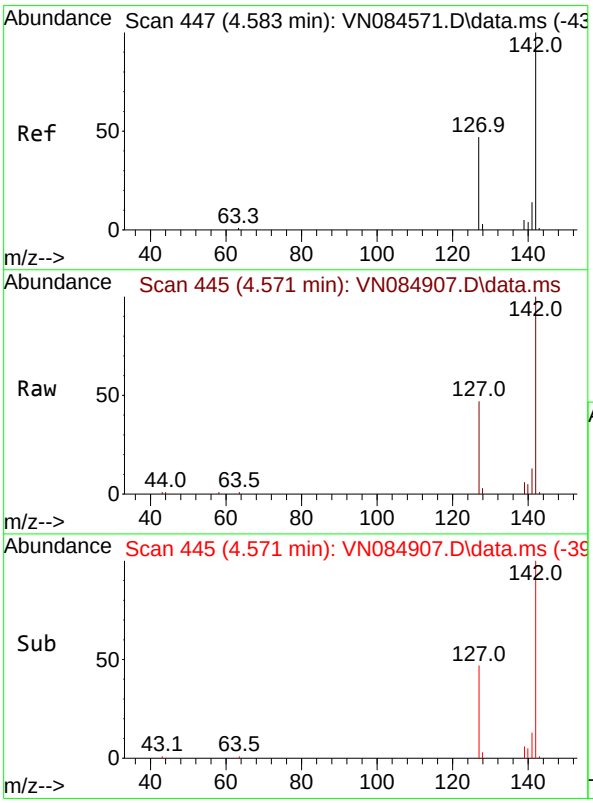
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.875 ug/l
RT: 4.348 min Scan# 4(
Delta R.T. -0.023 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion:101 Resp: 82245

Ion	Ratio	Lower	Upper
101	100		
85	45.5	36.2	54.4
151	77.6	59.3	88.9

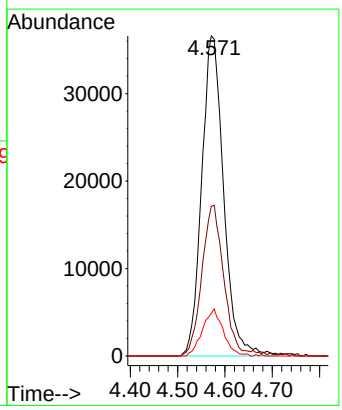


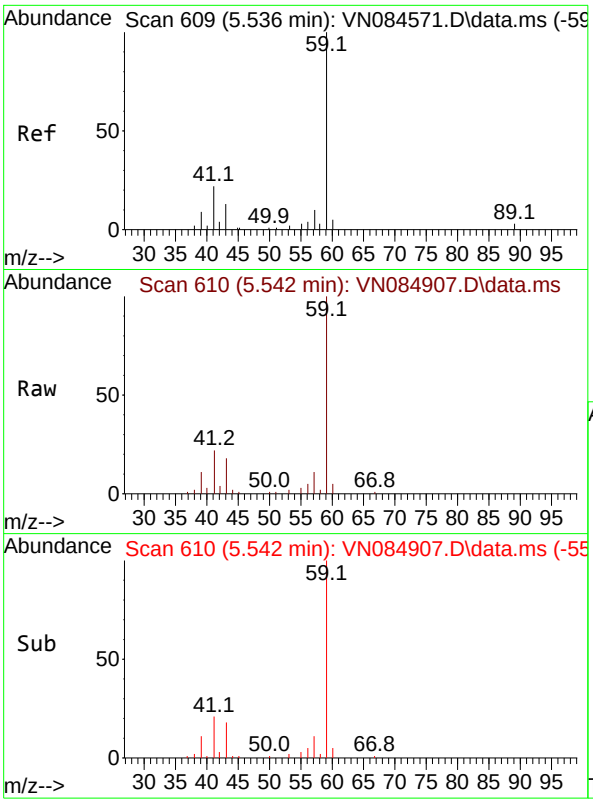


#10
Methyl Iodide
Concen: 54.569 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.023 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:142 Resp: 117902

Ion	Ratio	Lower	Upper
142	100		
127	46.8	35.3	52.9
141	13.3	11.0	16.6



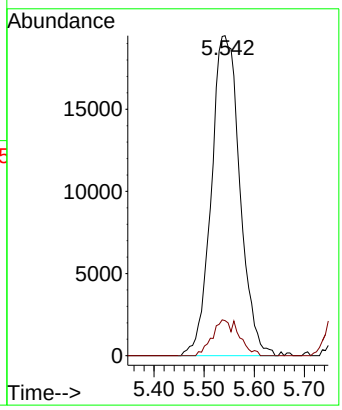


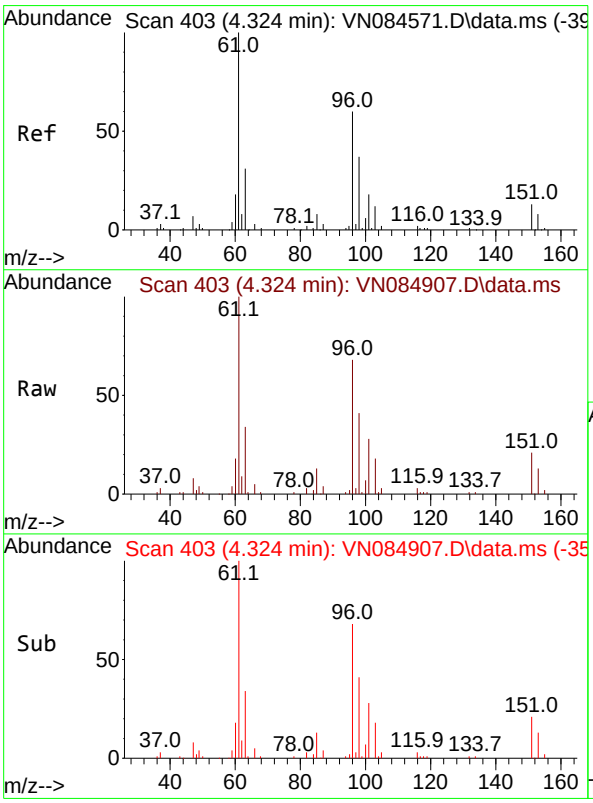
#11
Tert butyl alcohol
Concen: 286.891 ug/l
RT: 5.542 min Scan# 61
Delta R.T. 0.018 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion: 59 Resp: 76829

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.2

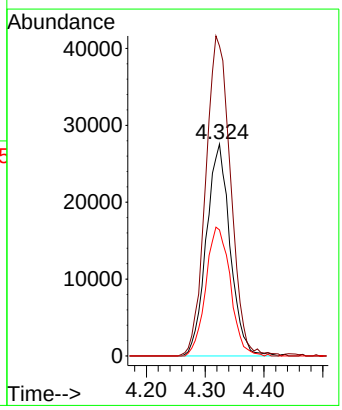


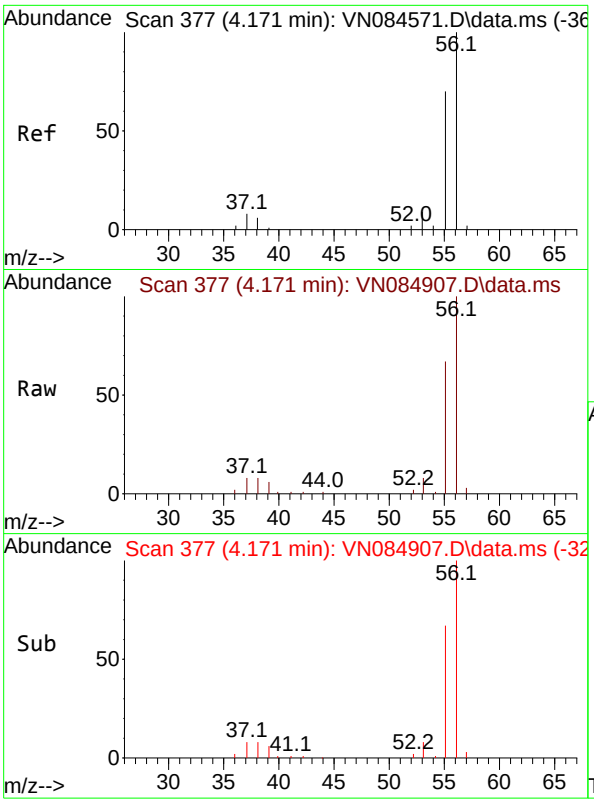


#12
1,1-Dichloroethene
Concen: 48.371 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.017 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 96 Resp: 77375

Ion	Ratio	Lower	Upper
96	100		
61	146.3	128.6	192.8
98	59.5	51.7	77.5



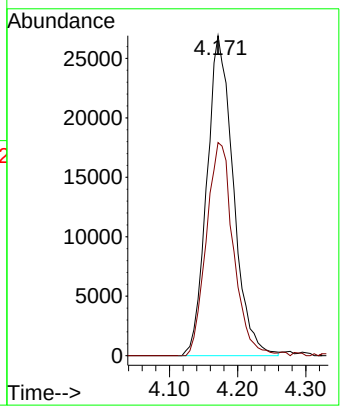


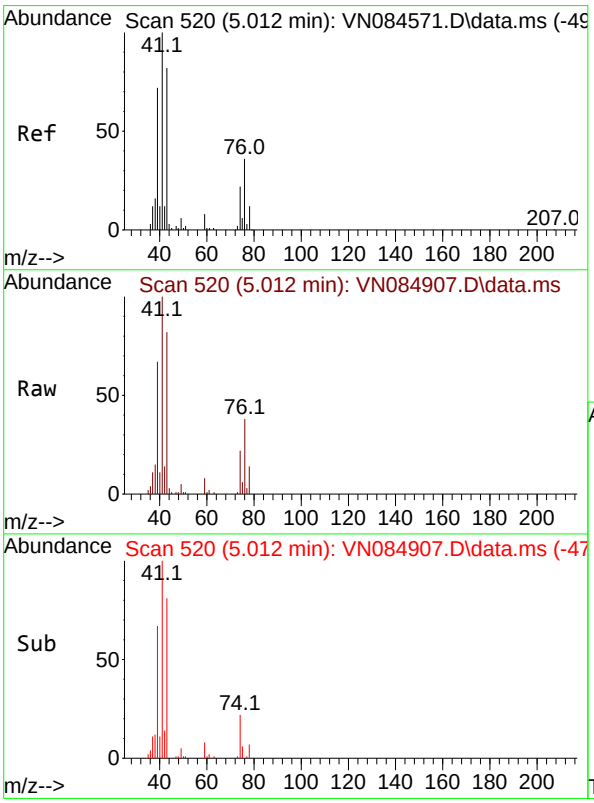
#13
Acrolein
Concen: 272.116 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion: 56 Resp: 72666

Ion	Ratio	Lower	Upper
56	100		
55	67.8	57.2	85.8

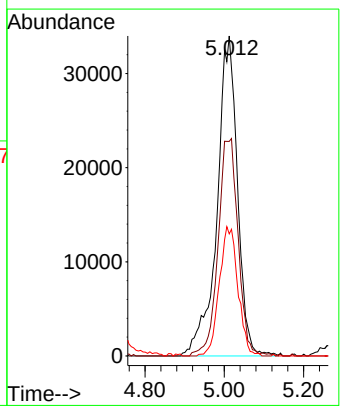


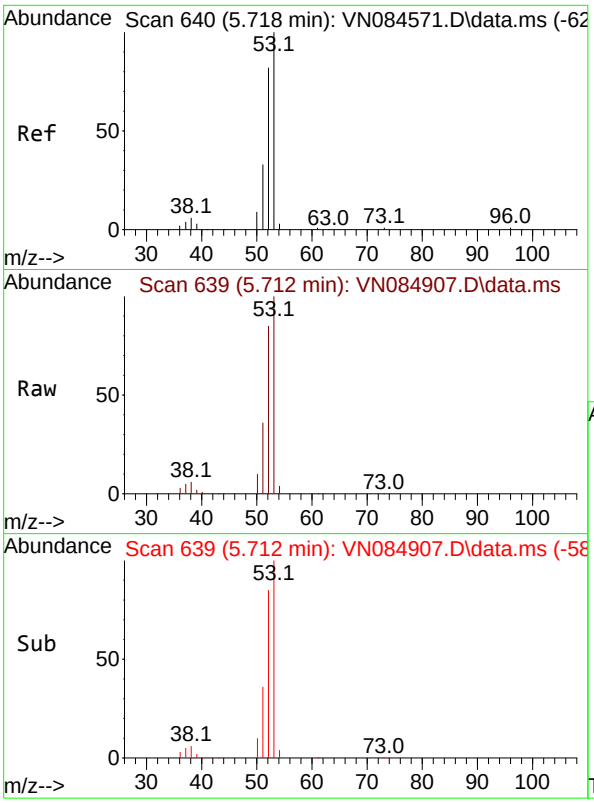


#14
Allyl chloride
Concen: 47.062 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 41 Resp: 122088

Ion	Ratio	Lower	Upper
41	100		
39	66.4	59.0	88.6
76	36.7	29.8	44.6



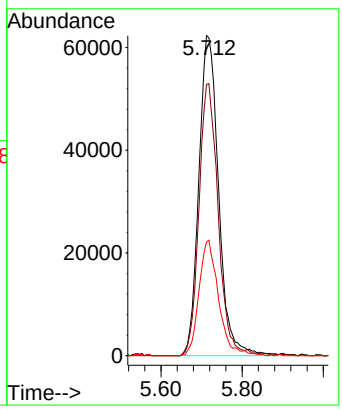


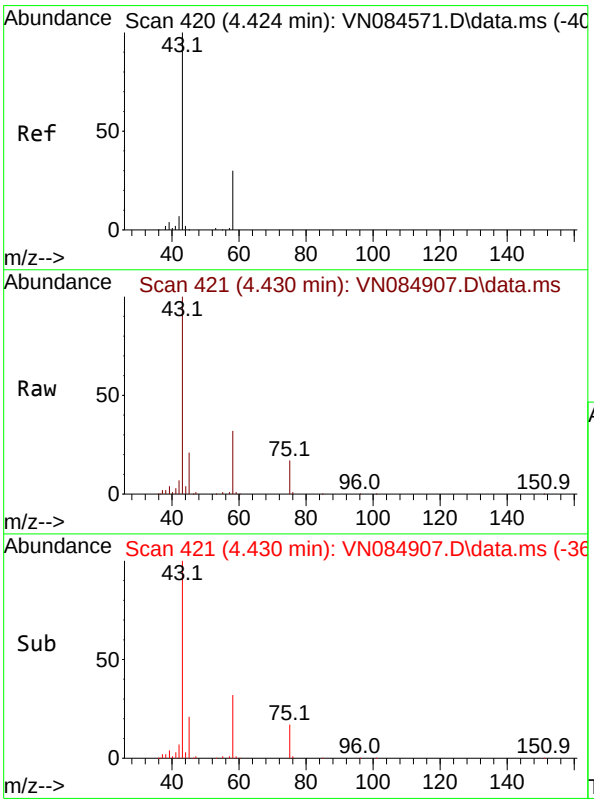
#15
Acrylonitrile
Concen: 271.822 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion: 53 Resp: 210734

Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.4
51	35.8	28.8	43.2

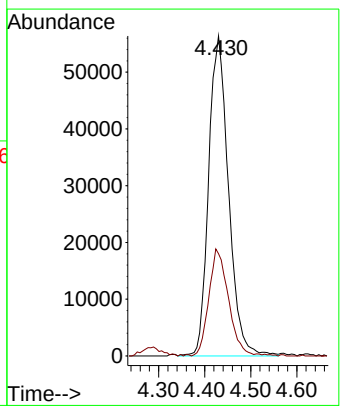


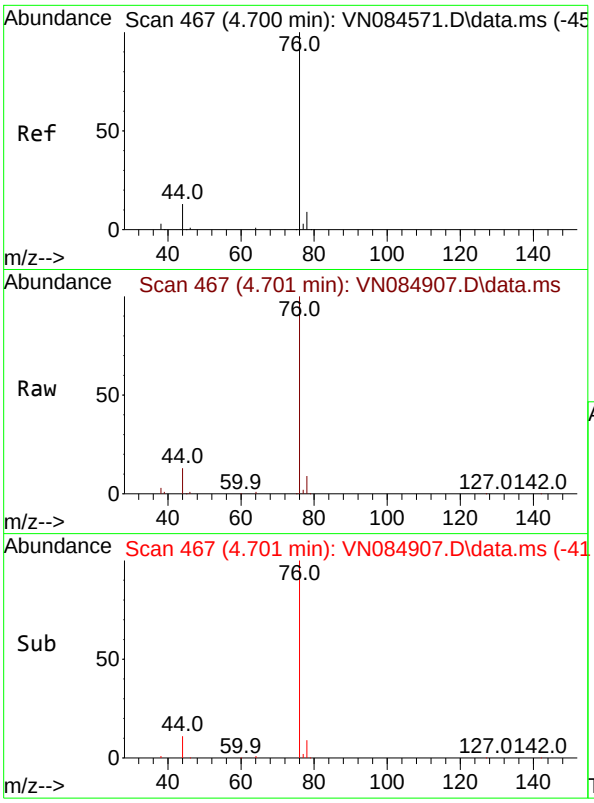


#16
Acetone
Concen: 288.996 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 43 Resp: 169105

Ion	Ratio	Lower	Upper
43	100		
58	32.0	24.4	36.6



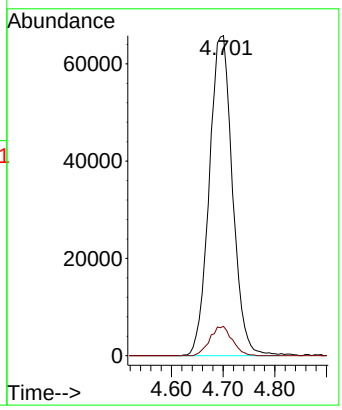


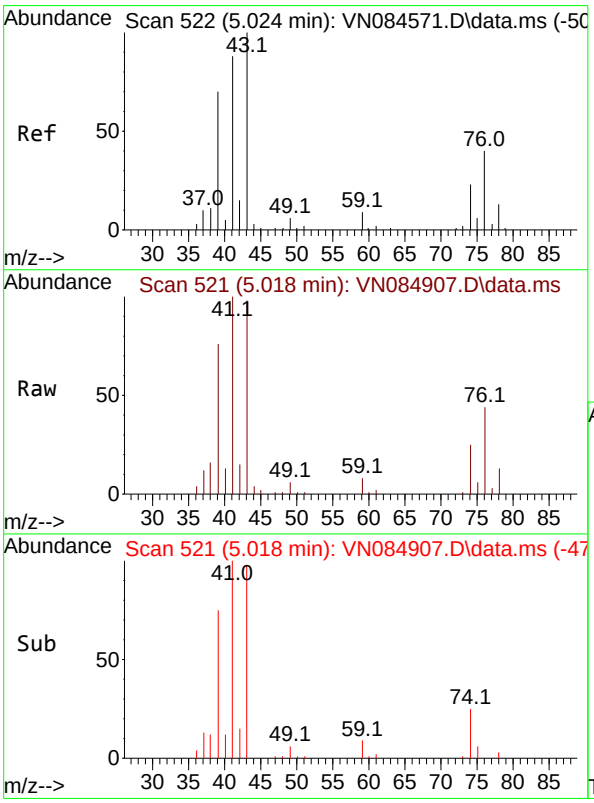
#17
Carbon Disulfide
Concen: 41.692 ug/l
RT: 4.701 min Scan# 4
Delta R.T. -0.011 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion: 76 Resp: 205382

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

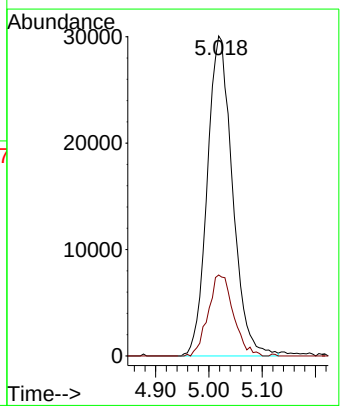


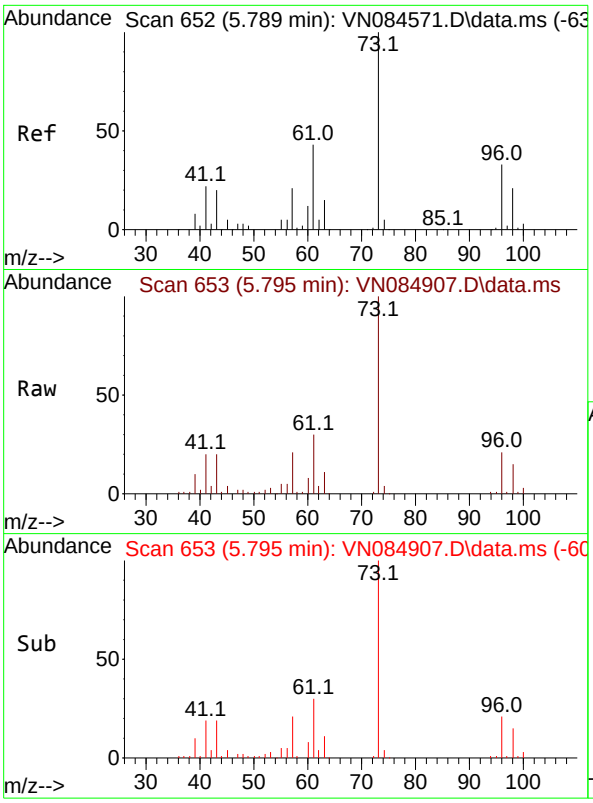


#18
Methyl Acetate
Concen: 45.927 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 43 Resp: 99015

Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.2	28.8



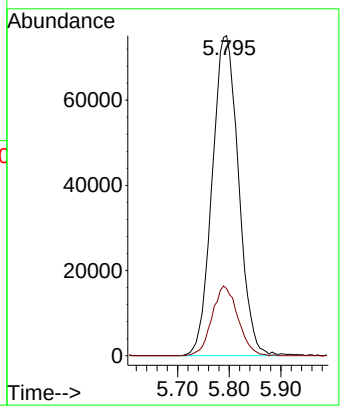


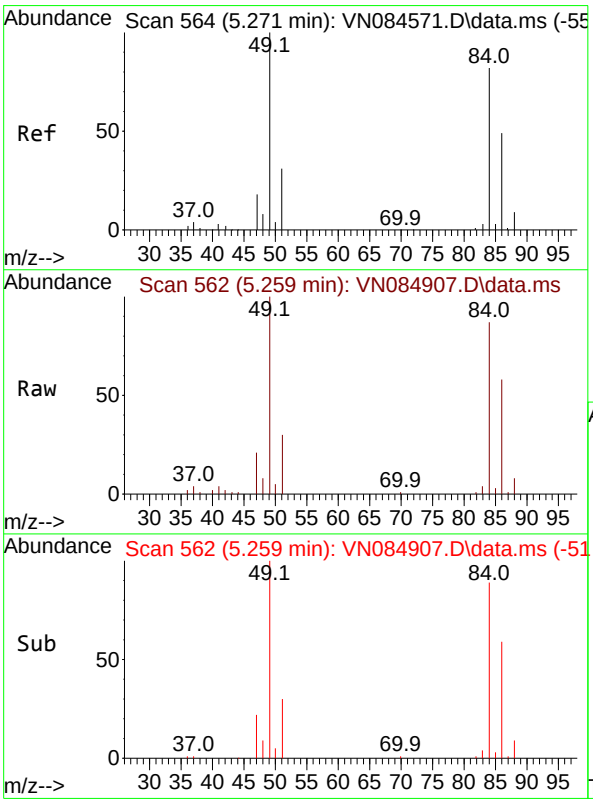
#19
Methyl tert-butyl Ether
Concen: 54.283 ug/l
RT: 5.795 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion: 73 Resp: 266148

Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.7	26.5

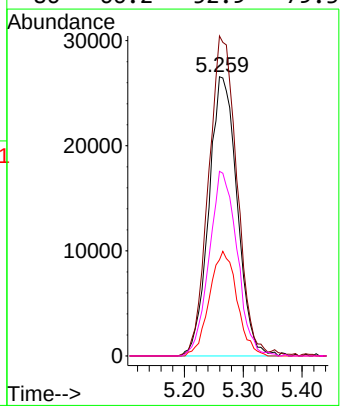


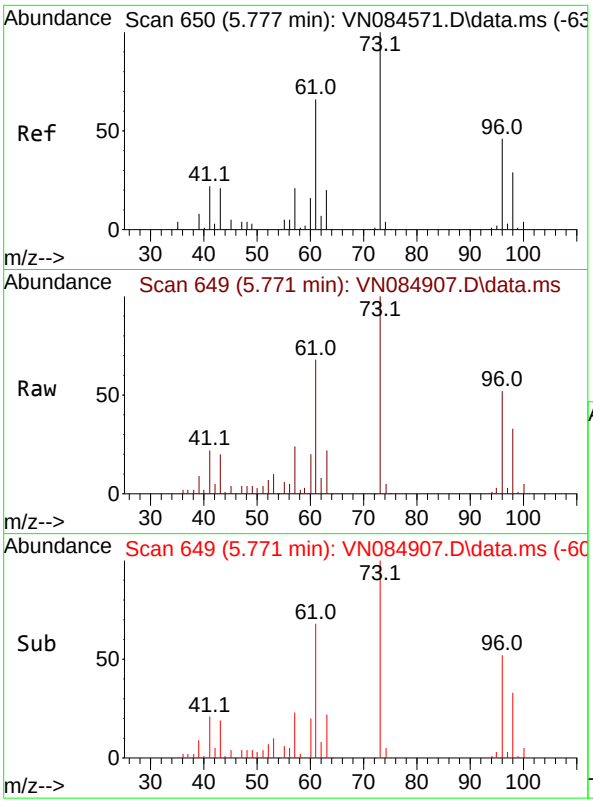


#20
Methylene Chloride
Concen: 49.626 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.018 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 84 Resp: 88552

Ion	Ratio	Lower	Upper
84	100		
49	114.6	107.2	160.8
51	34.5	31.8	47.8
86	66.2	52.9	79.3



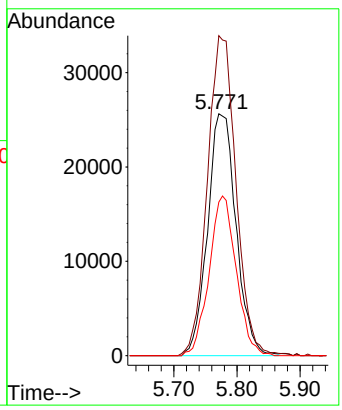


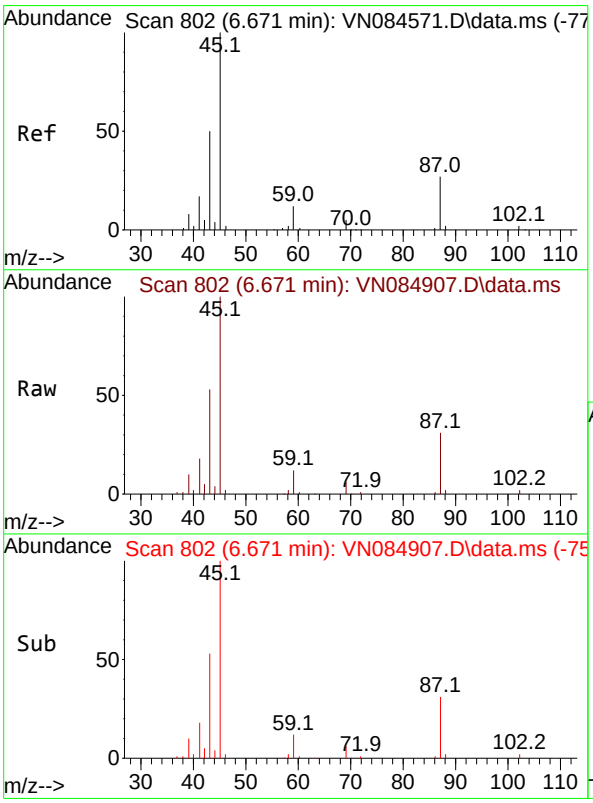
#21
trans-1,2-Dichloroethene
Concen: 48.936 ug/l
RT: 5.771 min Scan# 64
Delta R.T. -0.017 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion: 96 Resp: 80379

Ion	Ratio	Lower	Upper
96	100		
61	132.3	108.4	162.6
98	63.5	49.8	74.8

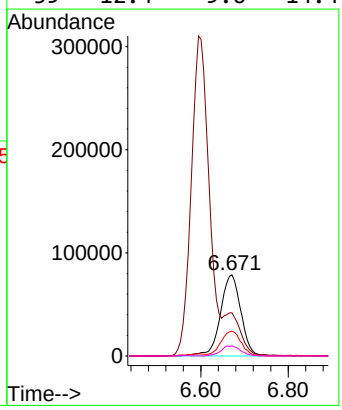


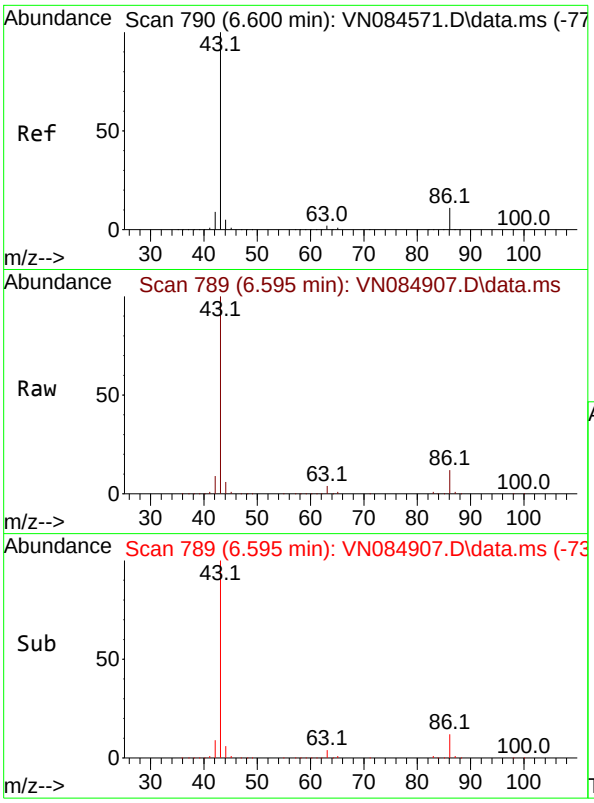


#22
Diisopropyl ether
Concen: 49.431 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 45 Resp: 254803

Ion	Ratio	Lower	Upper
45	100		
43	52.5	42.3	63.5
87	30.5	21.8	32.6
59	12.4	9.6	14.4



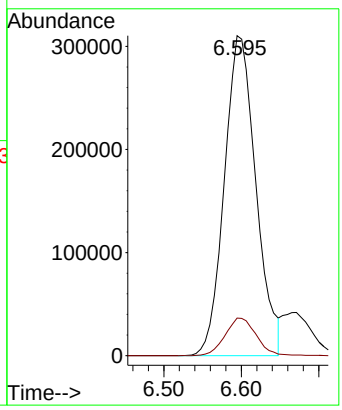


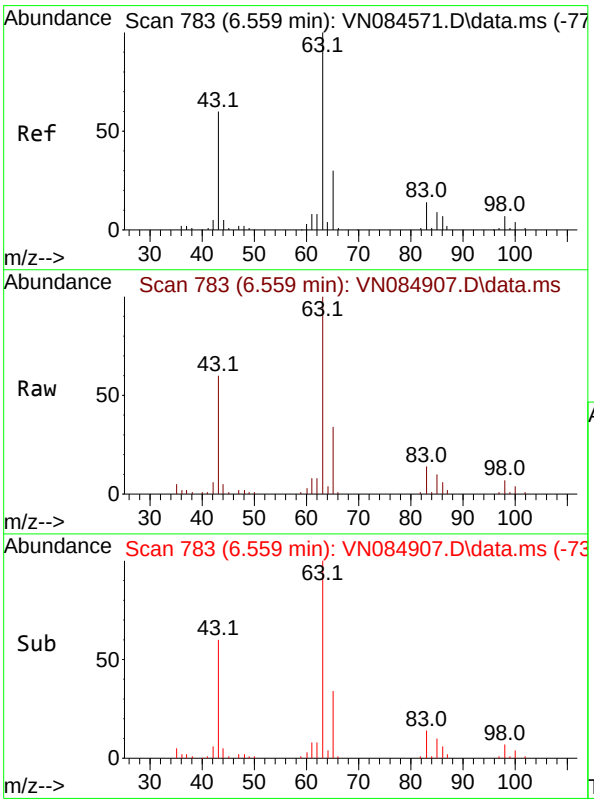
#23
Vinyl Acetate
Concen: 247.324 ug/l
RT: 6.595 min Scan# 7
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion: 43 Resp: 879170

Ion	Ratio	Lower	Upper
43	100		
86	11.7	8.6	12.8

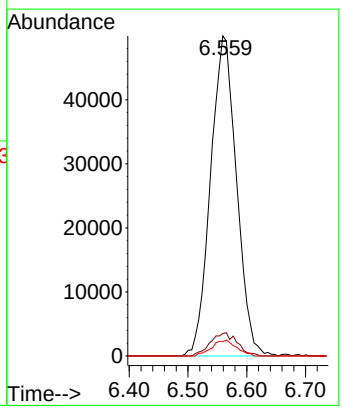


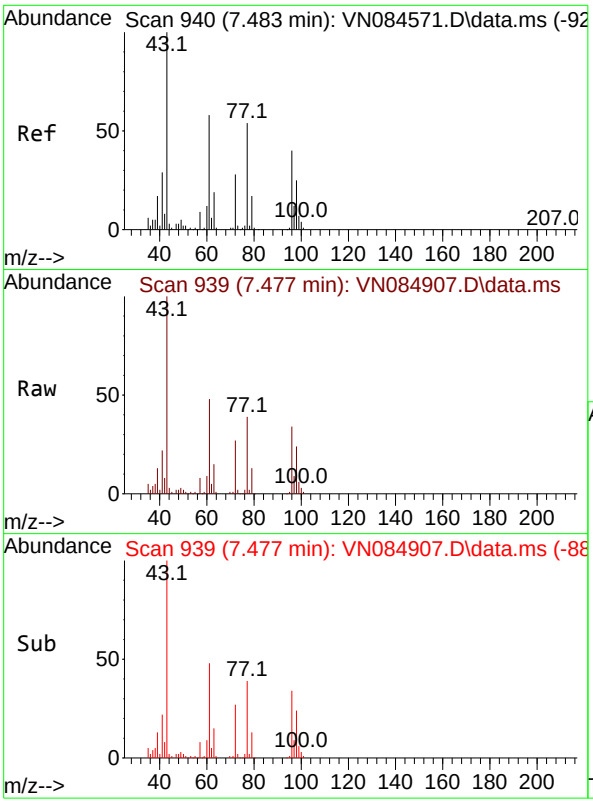


#24
1,1-Dichloroethane
Concen: 49.603 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 63 Resp: 153509

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.2
100	4.4	2.0	5.8



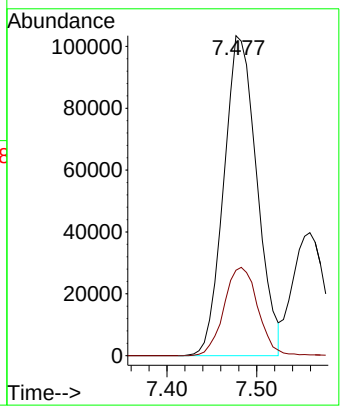


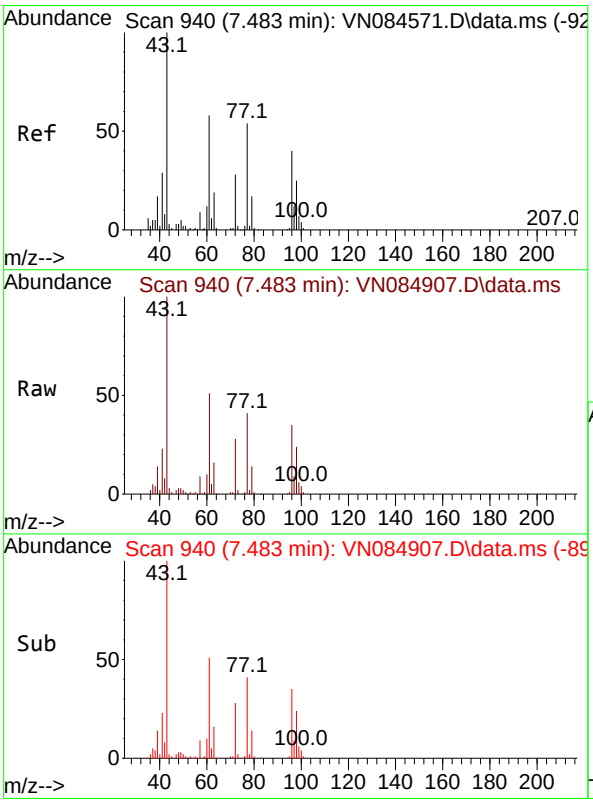
#25
2-Butanone
Concen: 279.833 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion: 43 Resp: 264864

Ion	Ratio	Lower	Upper
43	100		
72	26.7	21.4	32.2

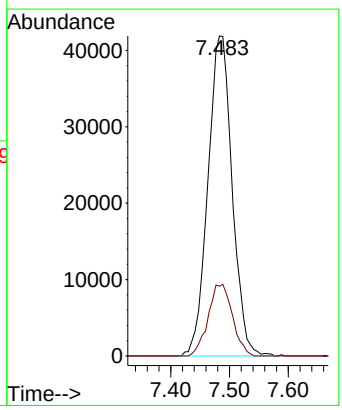


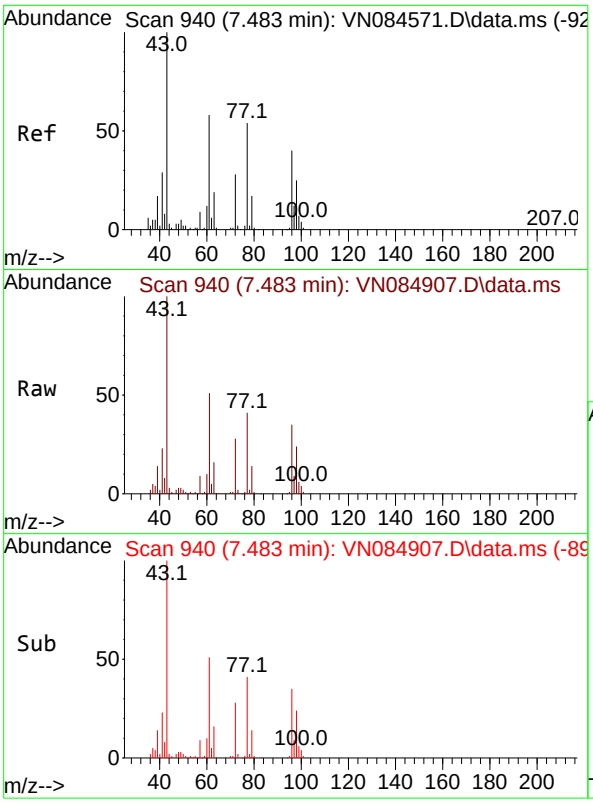


#26
2,2-Dichloropropane
Concen: 44.620 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 77 Resp: 120188

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.8	32.3



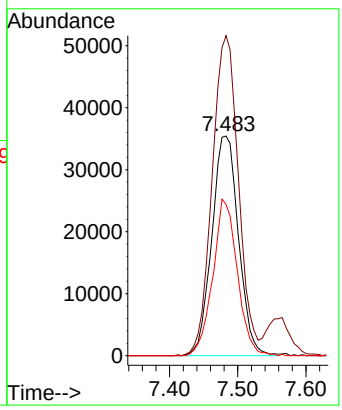


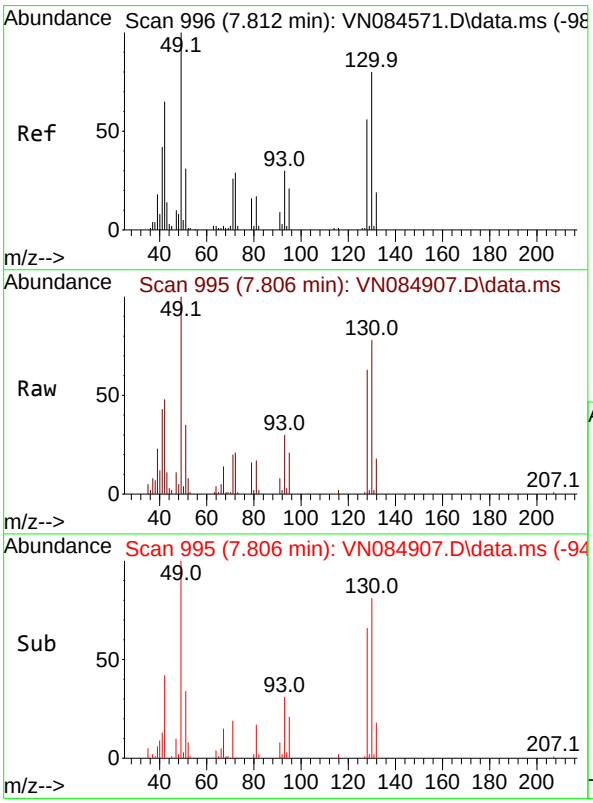
#27
cis-1,2-Dichloroethene
Concen: 50.342 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion: 96 Resp: 96552

Ion	Ratio	Lower	Upper
96	100		
61	143.3	0.0	301.8
98	65.4	0.0	128.2

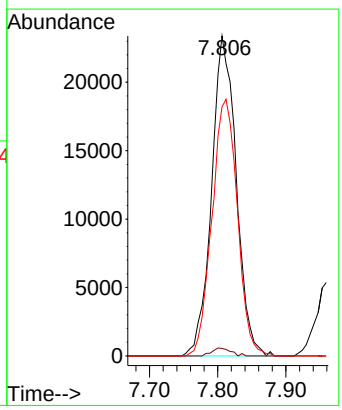


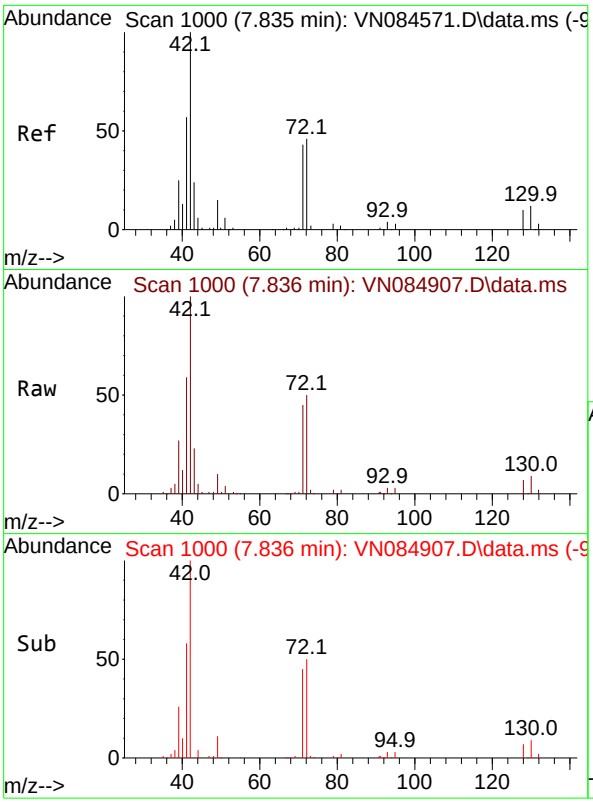


#28
Bromochloromethane
Concen: 47.668 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 49 Resp: 58774

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	82.8	58.0	87.0



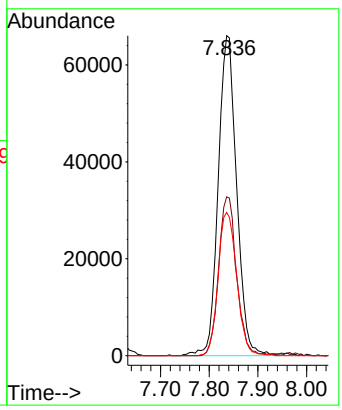


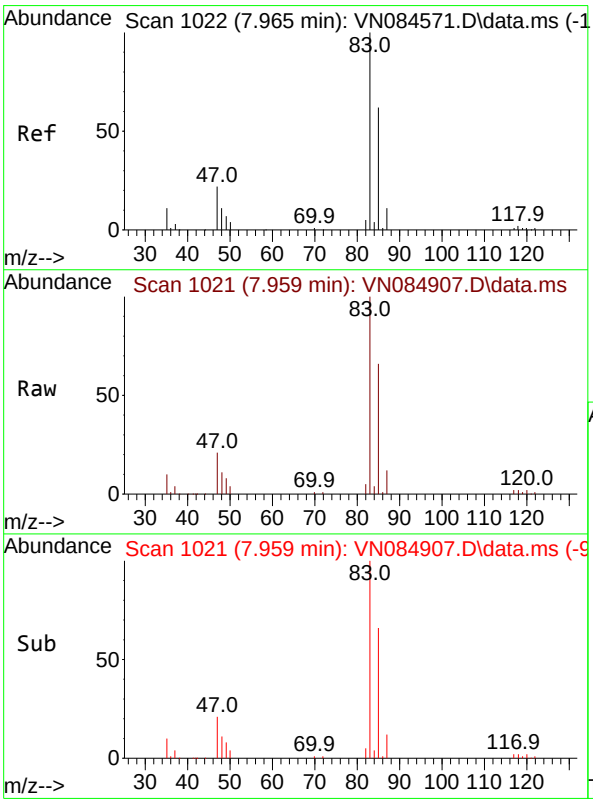
#29
Tetrahydrofuran
Concen: 277.081 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion: 42 Resp: 173987

Ion	Ratio	Lower	Upper
42	100		
72	48.4	34.6	51.8
71	45.3	32.2	48.4

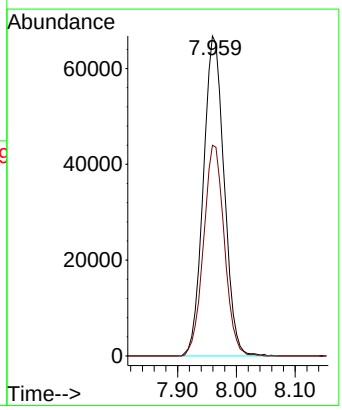


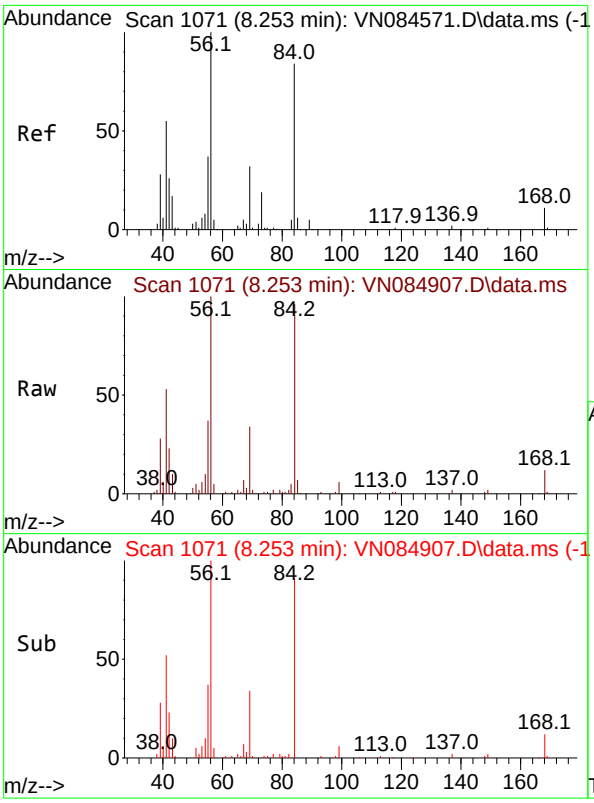


#30
Chloroform
Concen: 52.167 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 83 Resp: 164319

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.0	76.4



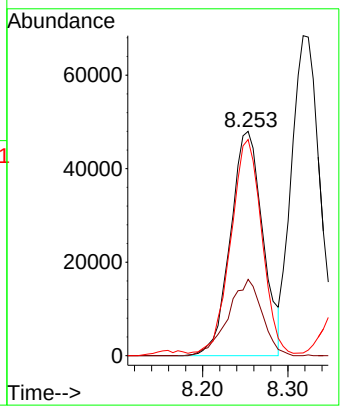


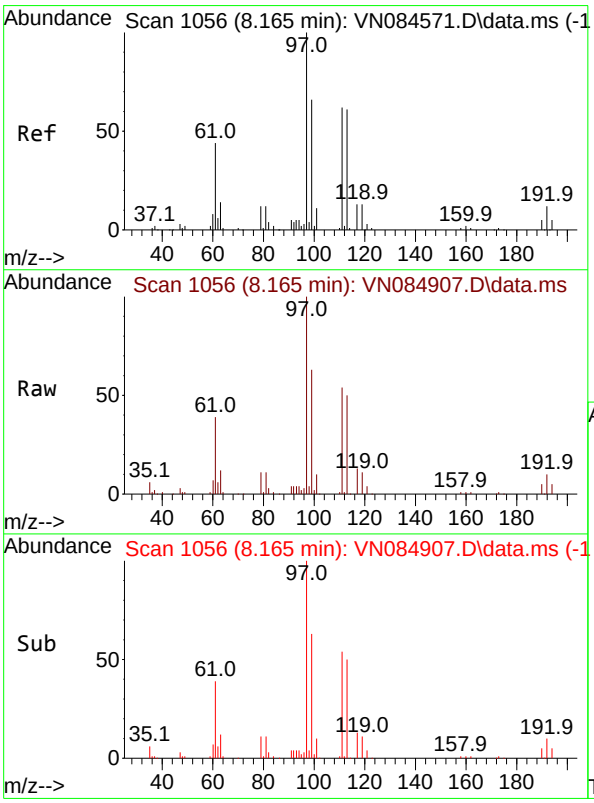
#31
Cyclohexane
Concen: 45.270 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion: 56 Resp: 126802

Ion	Ratio	Lower	Upper
56	100		
69	34.0	23.8	35.6
84	94.2	68.8	103.2

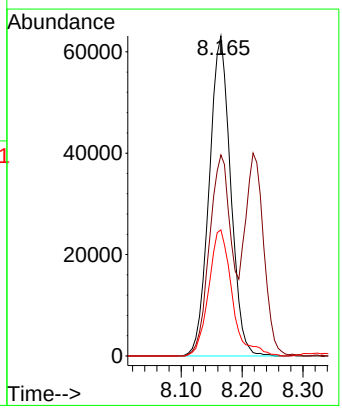


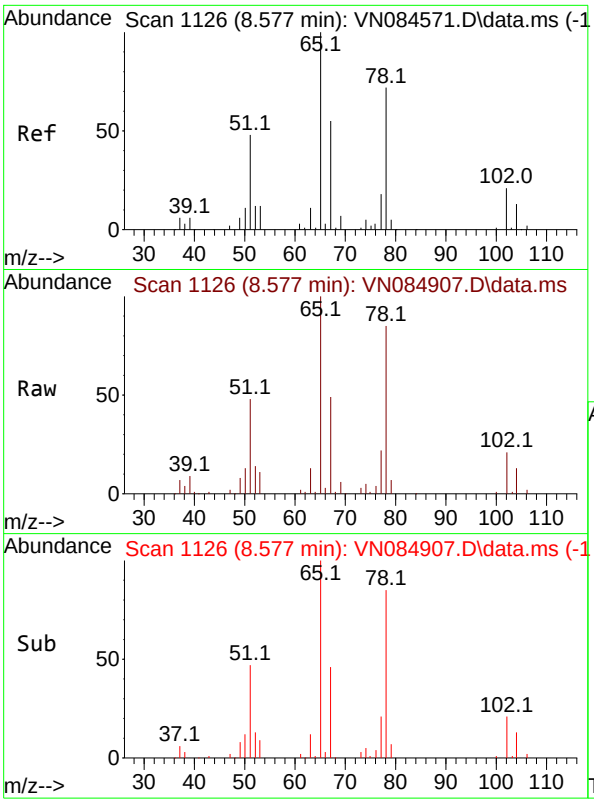


#32
1,1,1-Trichloroethane
Concen: 53.793 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 97 Resp: 154221

Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.2	76.8
61	43.0	37.5	56.3



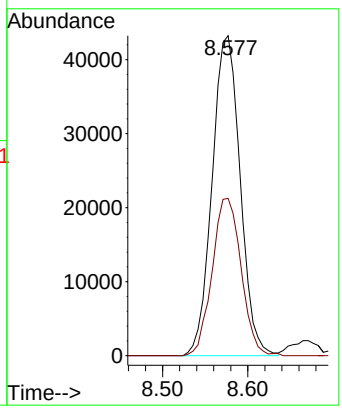


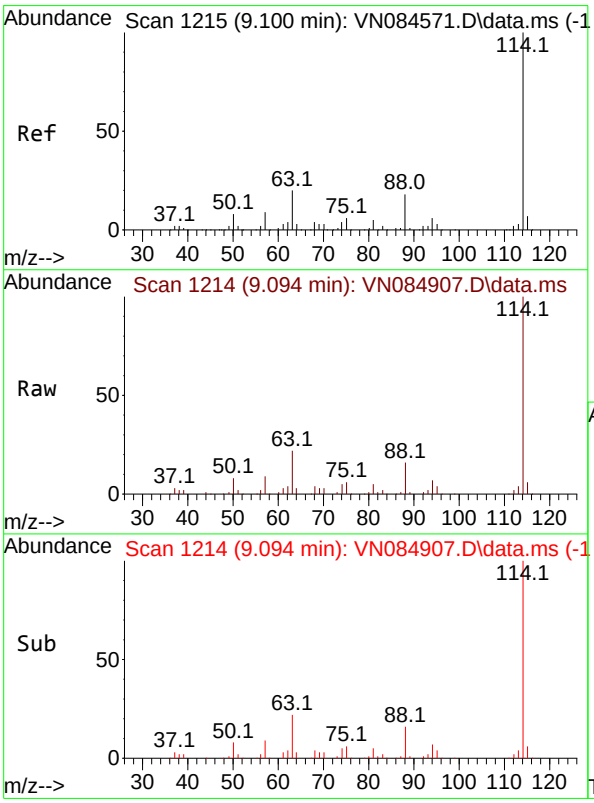
#33
1,2-Dichloroethane-d4
Concen: 48.809 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion: 65 Resp: 99024

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	102.0

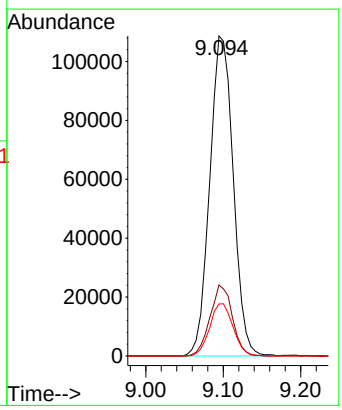


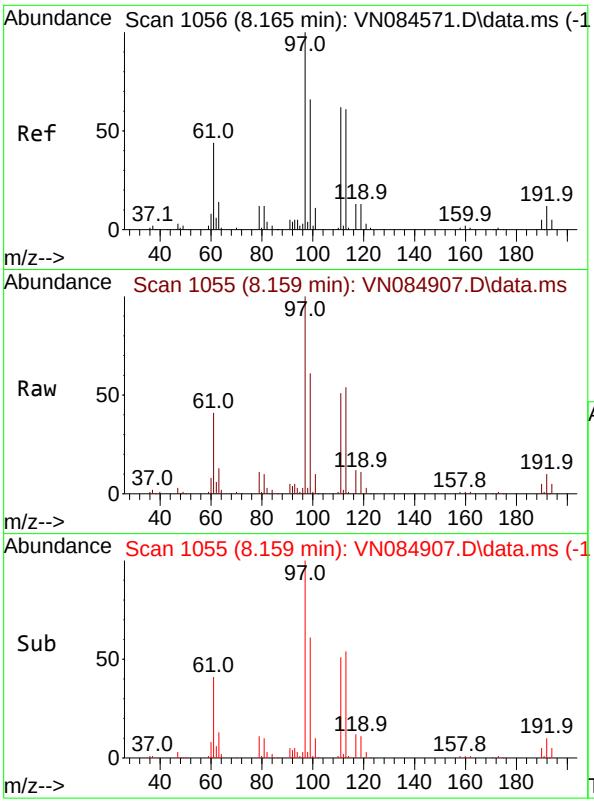


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:114 Resp: 229039

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	43.8
88	16.3	0.0	31.6



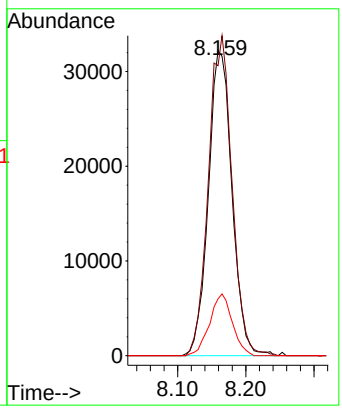


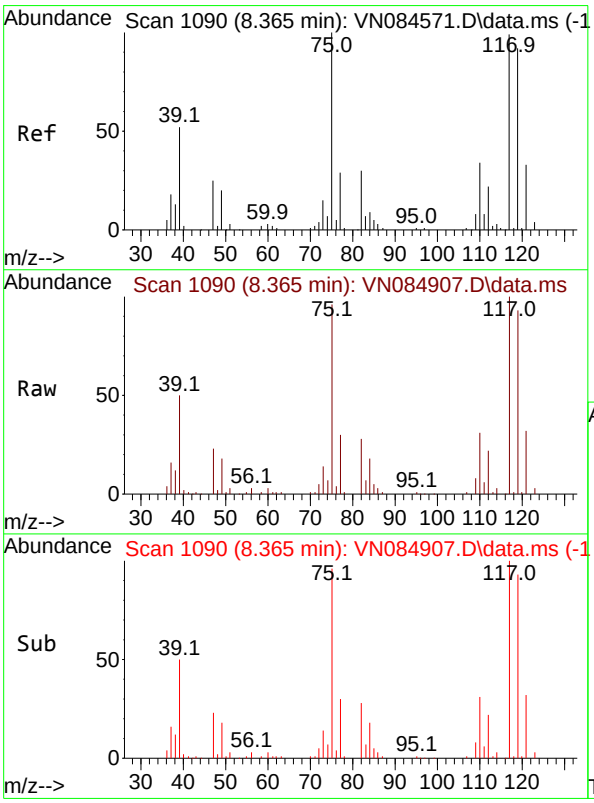
#35
Dibromofluoromethane
Concen: 50.192 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion:113 Resp: 77814

Ion	Ratio	Lower	Upper
113	100		
111	104.9	83.3	124.9
192	19.5	13.5	20.3

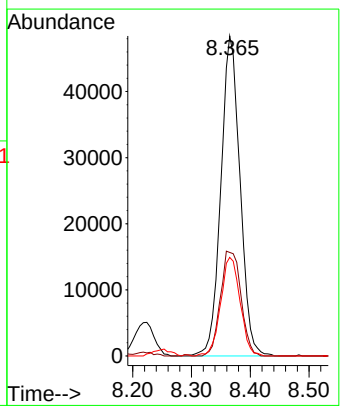


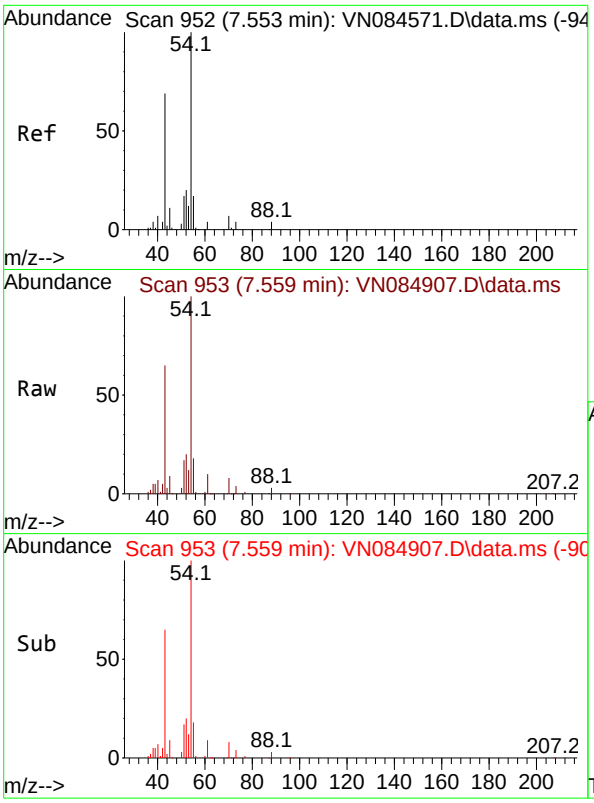


#36
1,1-Dichloropropene
Concen: 51.039 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 75 Resp: 109740

Ion	Ratio	Lower	Upper
75	100		
110	35.1	16.9	50.7
77	31.2	24.7	37.1



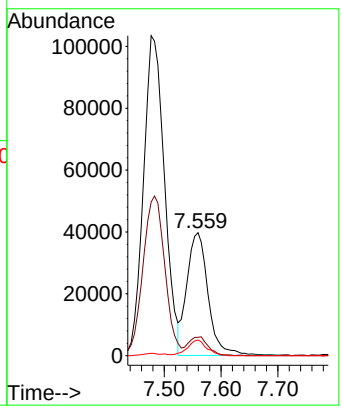


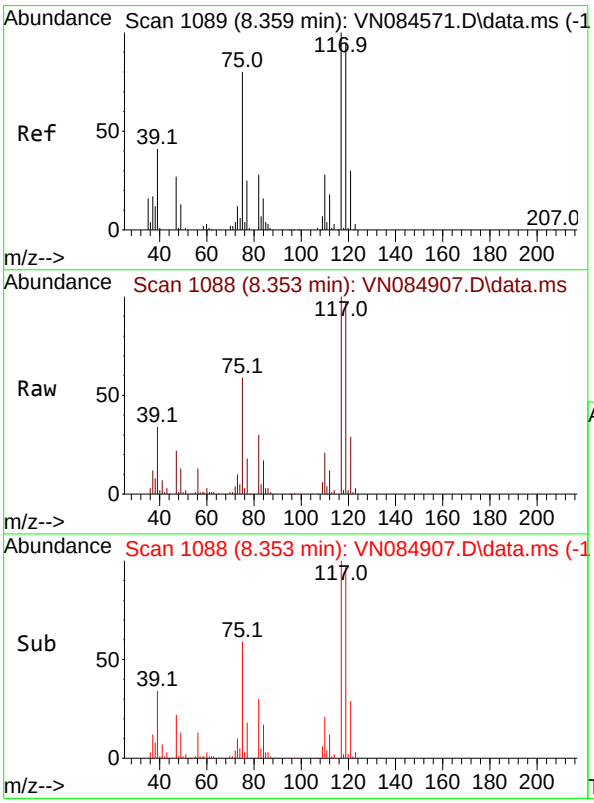
#37
Ethyl Acetate
Concen: 52.906 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion: 43 Resp: 103208

Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.7	16.1
70	11.5	8.8	13.2

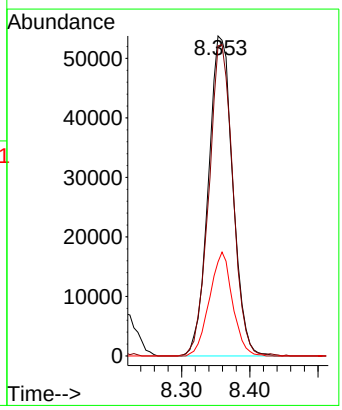


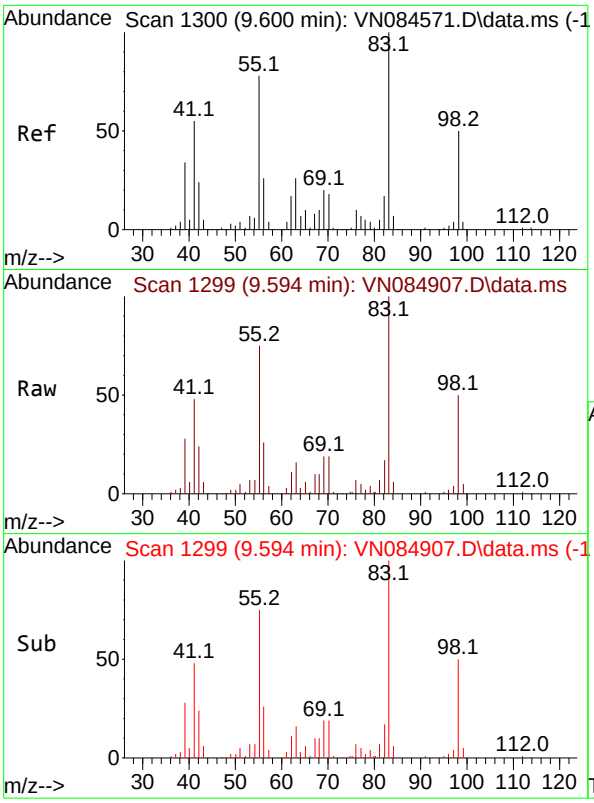


#38
Carbon Tetrachloride
Concen: 55.660 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:117 Resp: 133766

Ion	Ratio	Lower	Upper
117	100		
119	96.9	78.7	118.1
121	29.4	24.4	36.6



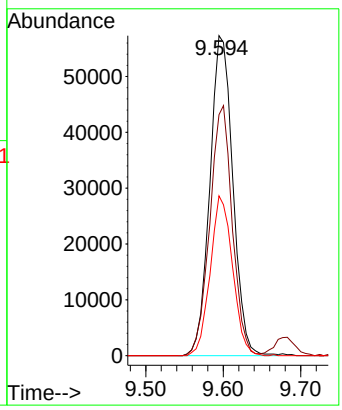


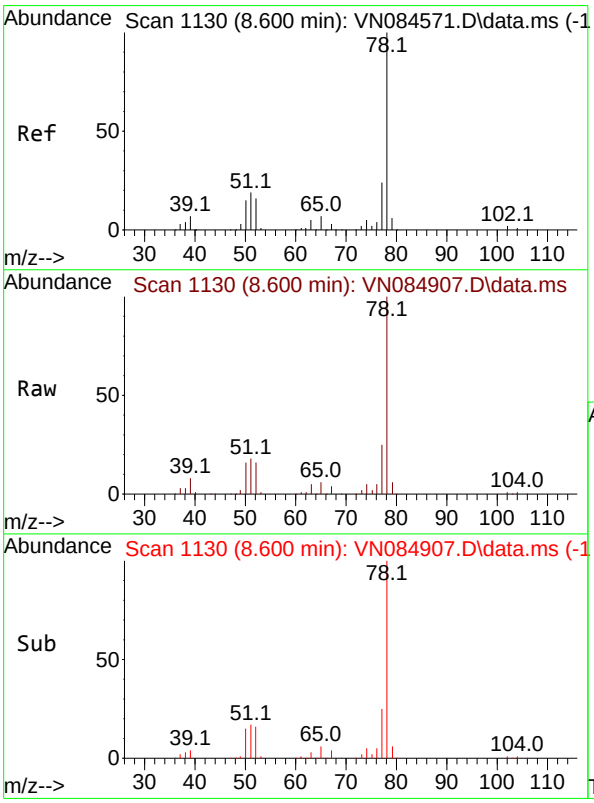
#39
Methylcyclohexane
Concen: 54.109 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion: 83 Resp: 118355

Ion	Ratio	Lower	Upper
83	100		
55	75.3	62.8	94.2
98	50.0	38.8	58.2

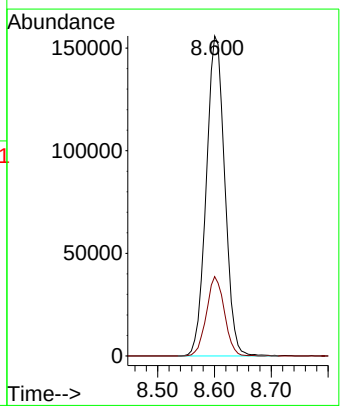


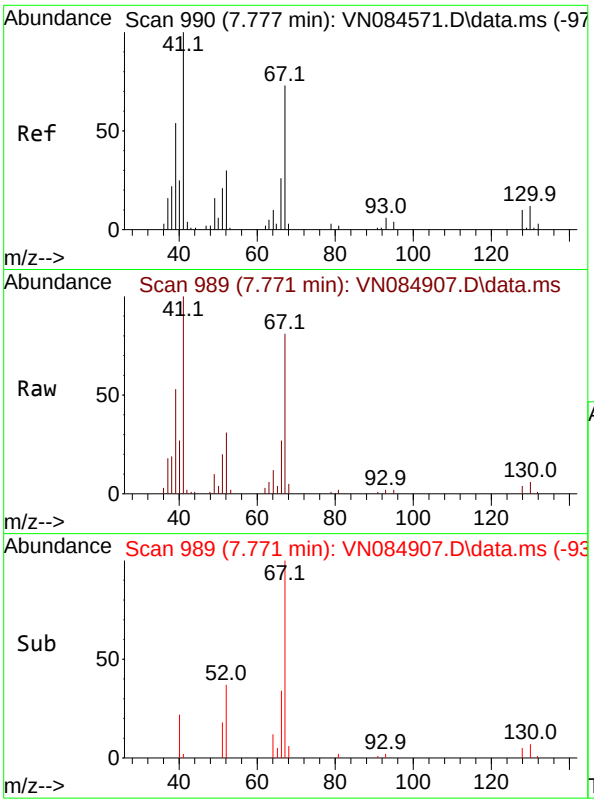


#40
Benzene
Concen: 50.867 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 78 Resp: 351234

Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.1	28.7



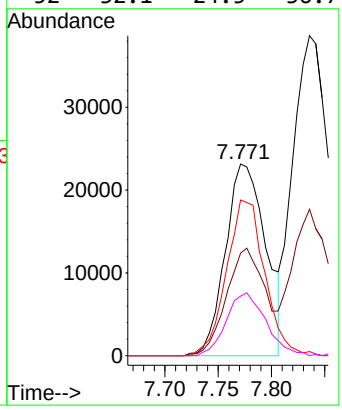


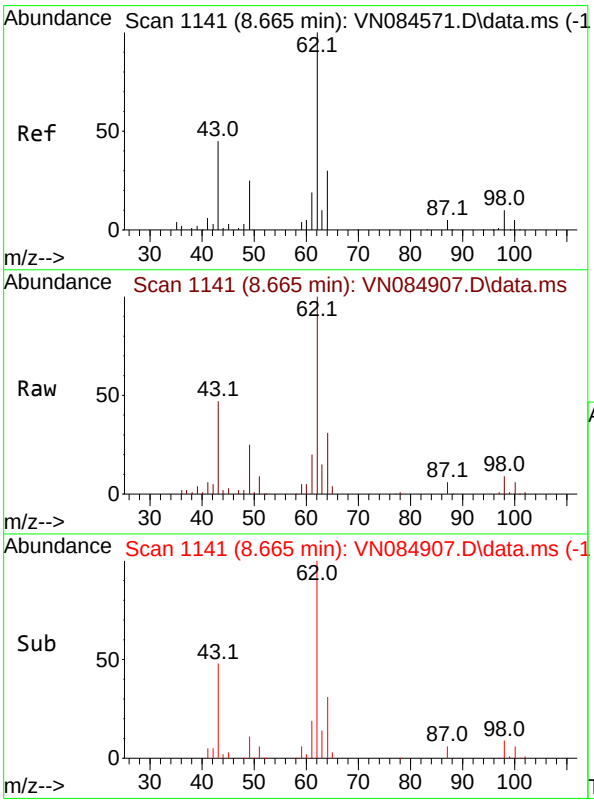
#41
Methacrylonitrile
Concen: 58.131 ug/l
RT: 7.771 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion: 41 Resp: 60982

Ion	Ratio	Lower	Upper
41	100		
39	51.8	43.3	64.9
67	76.9	56.1	84.1
52	32.1	24.5	36.7

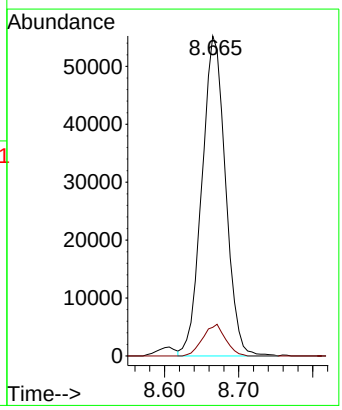


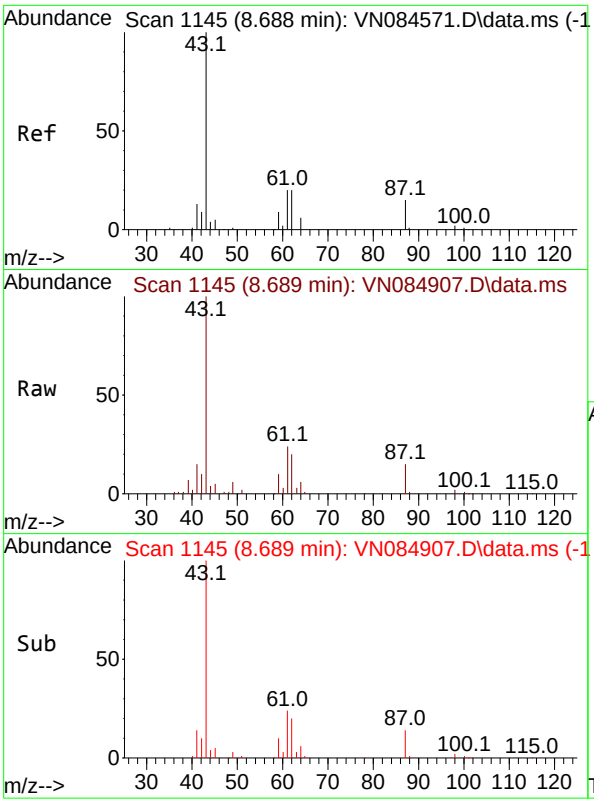


#42
1,2-Dichloroethane
Concen: 54.685 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 62 Resp: 122288

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2



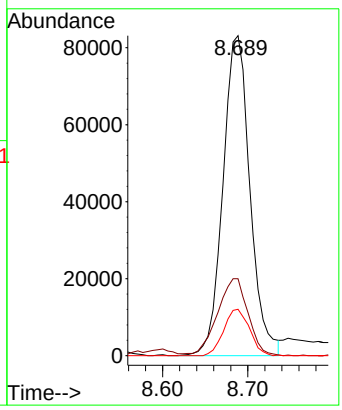


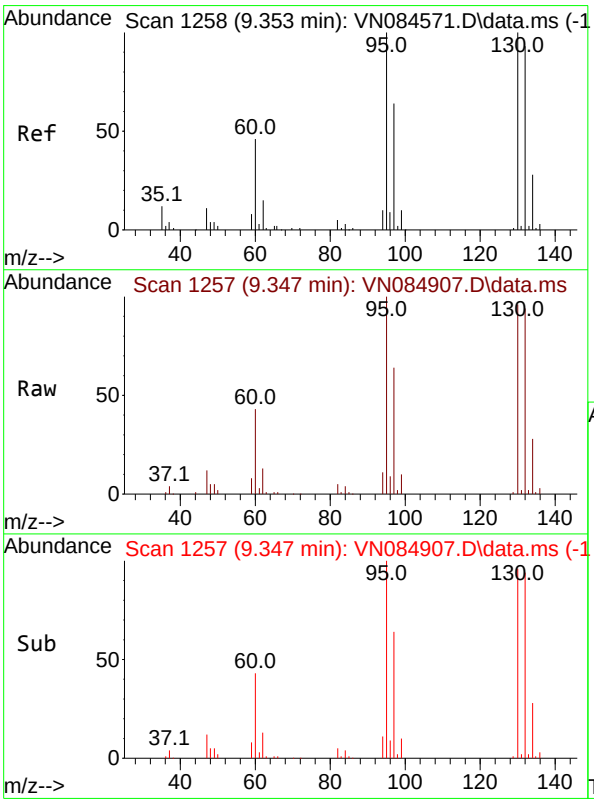
#43
Isopropyl Acetate
Concen: 50.933 ug/l
RT: 8.689 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion: 43 Resp: 183494

Ion	Ratio	Lower	Upper
43	100		
61	27.3	20.4	30.6
87	13.8	10.3	15.5

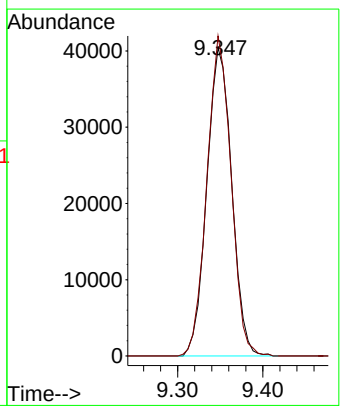


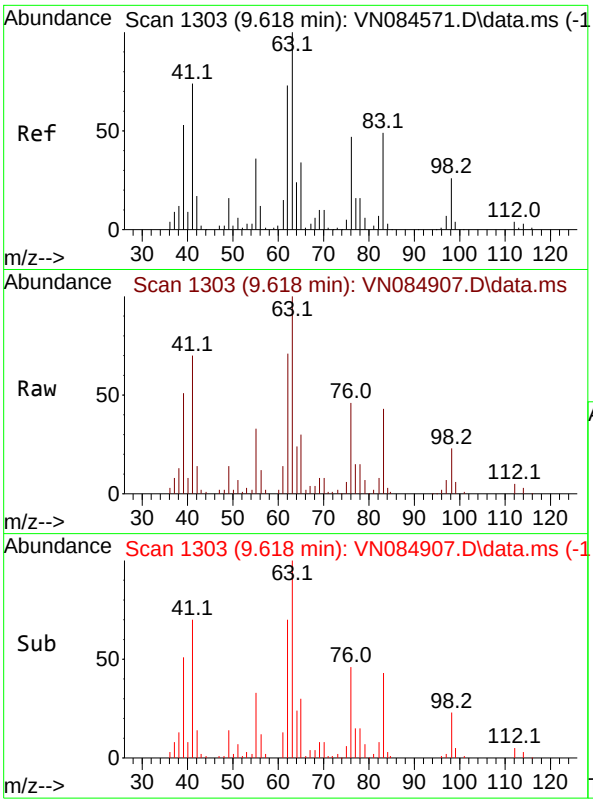


#44
Trichloroethene
Concen: 51.512 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:130 Resp: 82031

Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	203.0



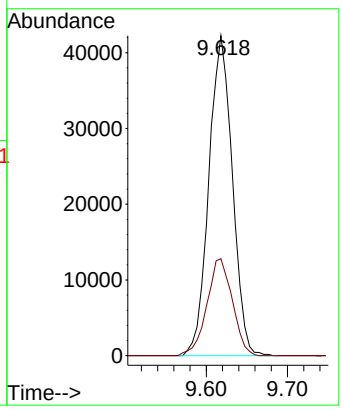


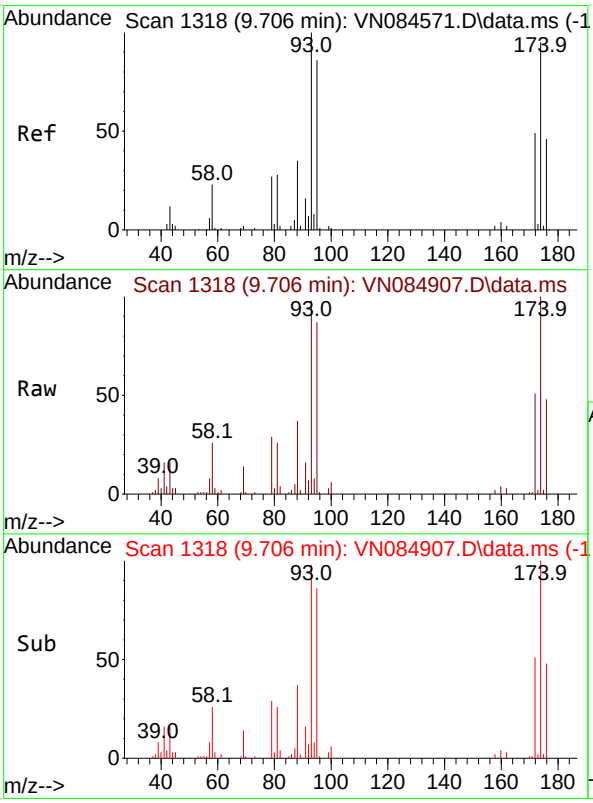
#45
1,2-Dichloropropane
Concen: 52.506 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion: 63 Resp: 85048

Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.6	37.0

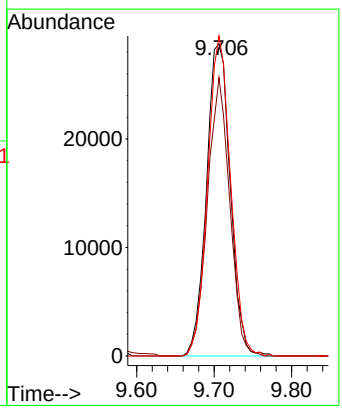


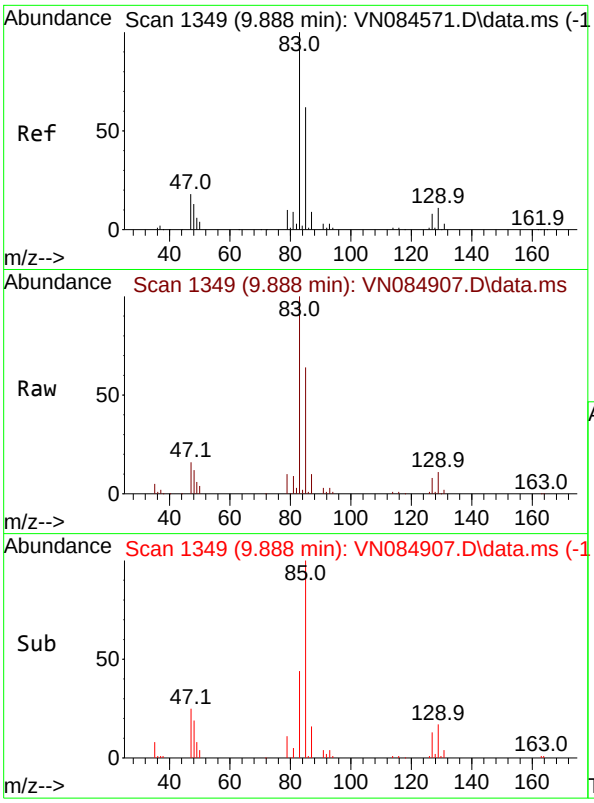


#46
Dibromomethane
Concen: 53.618 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 93 Resp: 61284

Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.0	97.4
174	98.9	71.8	107.8



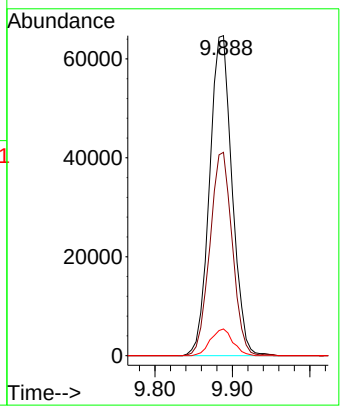


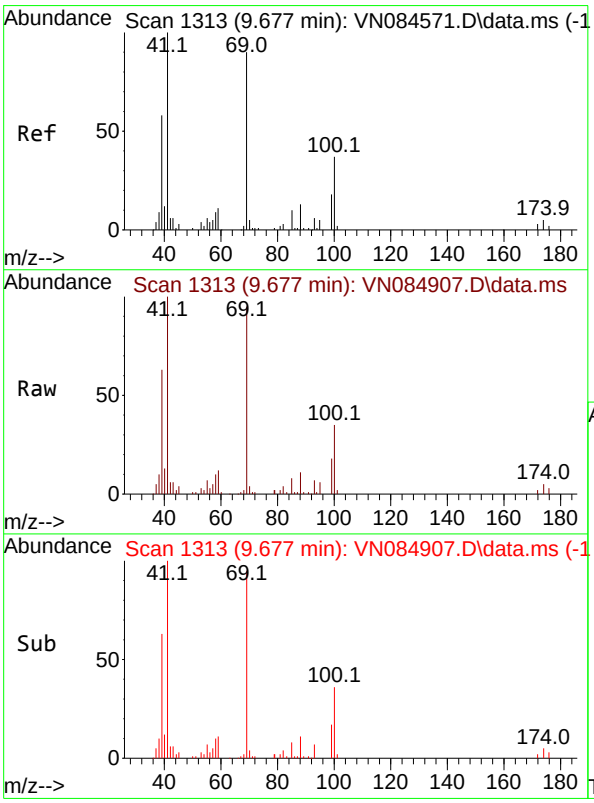
#47
Bromodichloromethane
Concen: 54.260 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion: 83 Resp: 130729

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.5	77.3
127	8.4	5.7	8.5

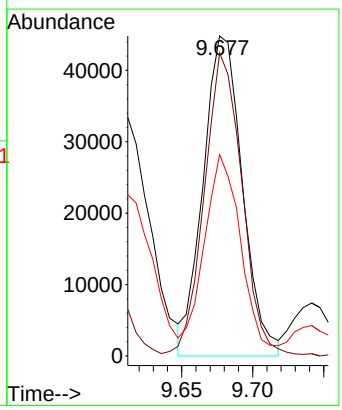


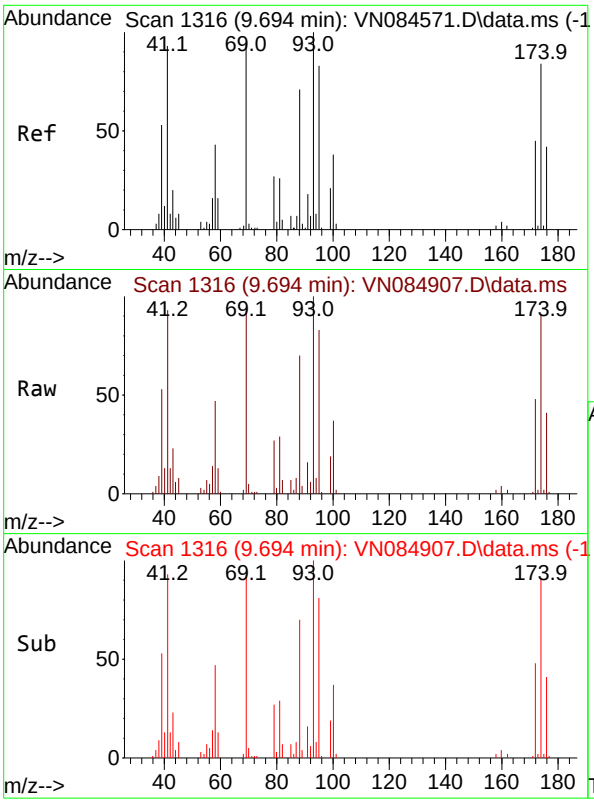


#48
Methyl methacrylate
Concen: 56.883 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 41 Resp: 86362

Ion	Ratio	Lower	Upper
41	100		
69	90.8	67.1	100.7
39	59.4	45.8	68.6



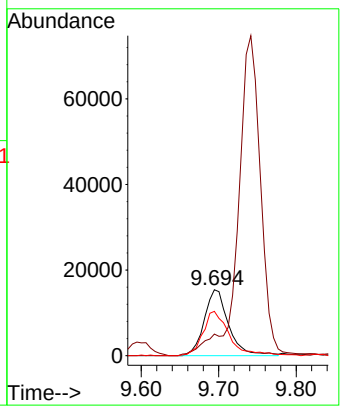


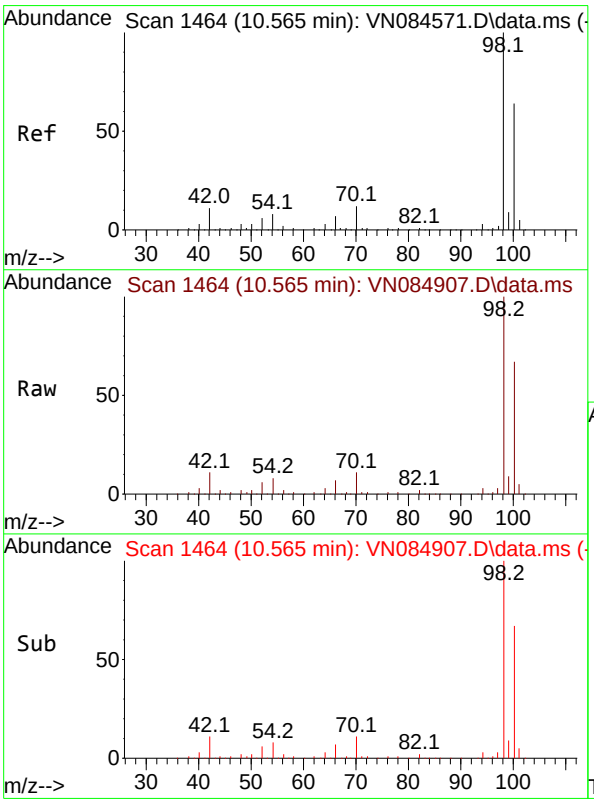
#49
1,4-Dioxane
Concen: 1252.193 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion: 88 Resp: 33689

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	73.0	56.4	84.6

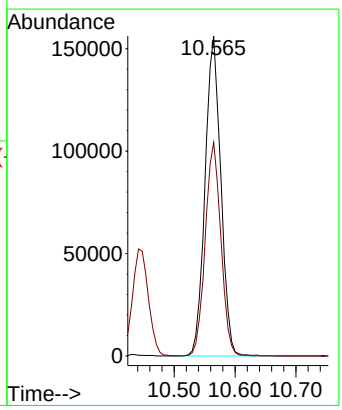


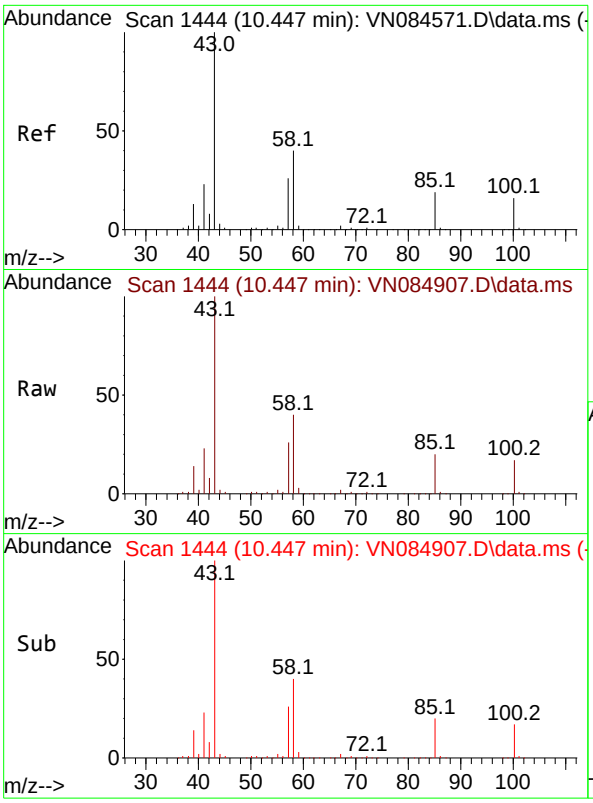


#50
Toluene-d8
Concen: 49.122 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 98 Resp: 280529

Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.7	79.1



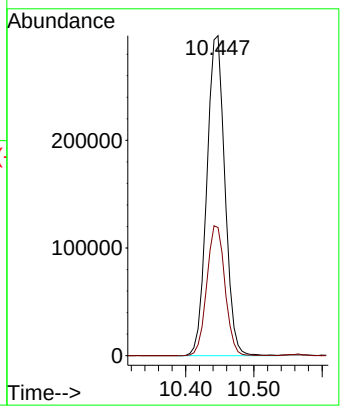


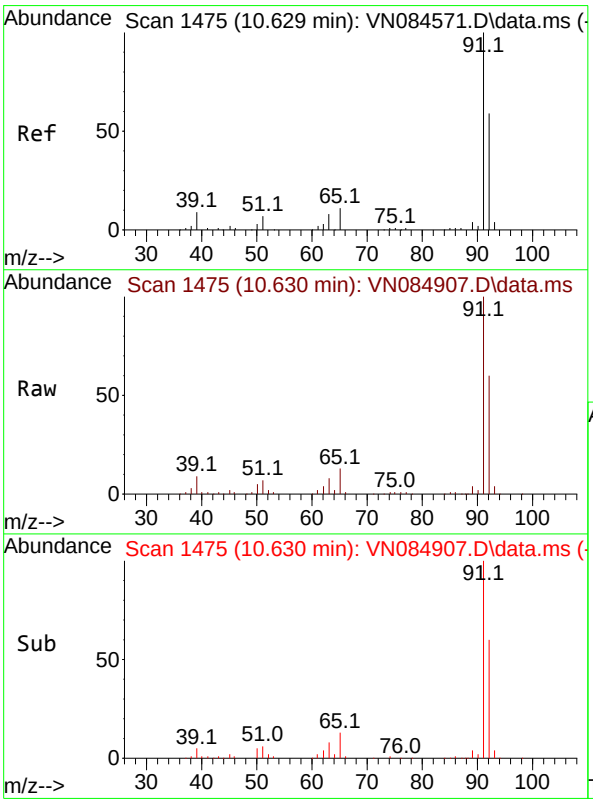
#51
4-Methyl-2-Pentanone
Concen: 294.185 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion: 43 Resp: 547087

Ion	Ratio	Lower	Upper
43	100		
58	41.0	31.6	47.4

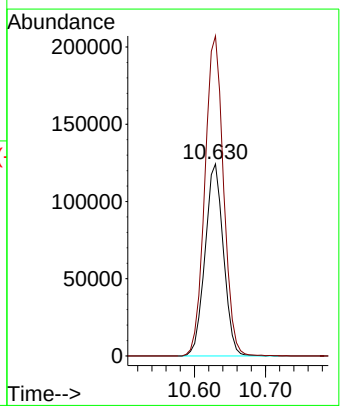


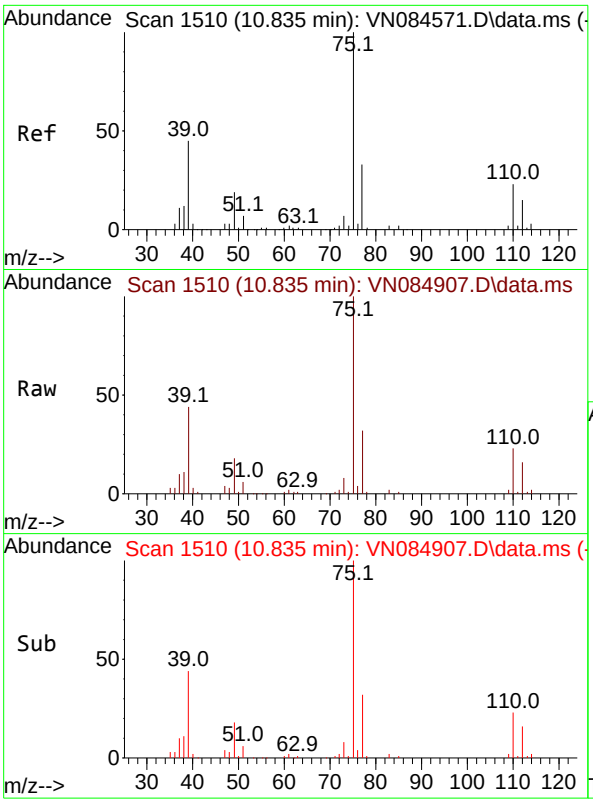


#52
Toluene
Concen: 55.339 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 92 Resp: 223480

Ion	Ratio	Lower	Upper
92	100		
91	169.4	137.3	205.9



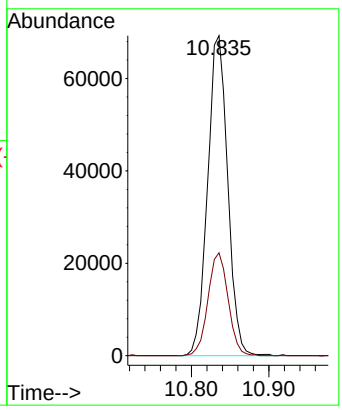


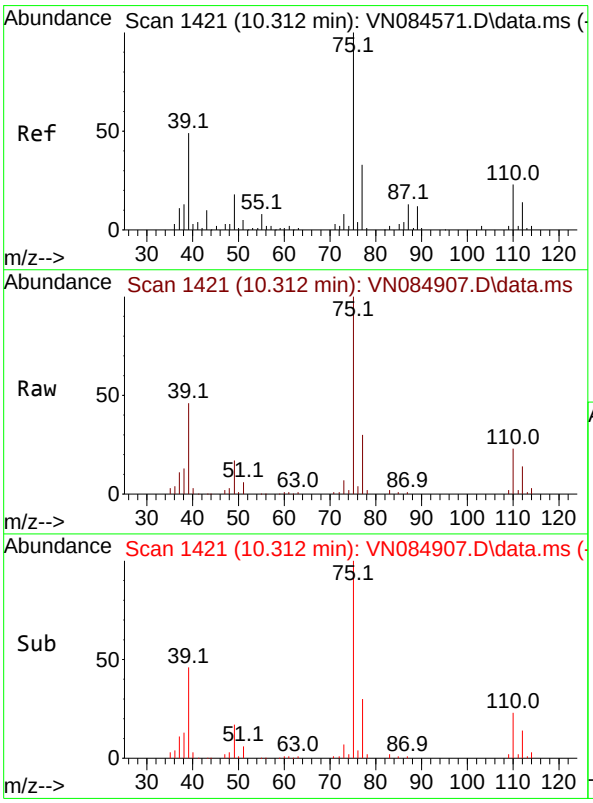
#53
t-1,3-Dichloropropene
Concen: 49.979 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion: 75 Resp: 124643

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.0

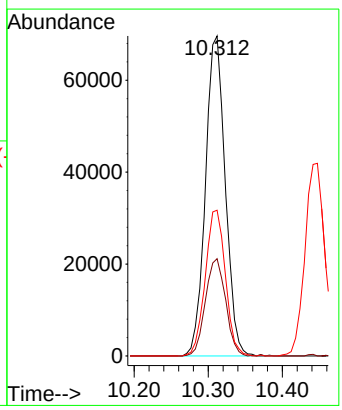


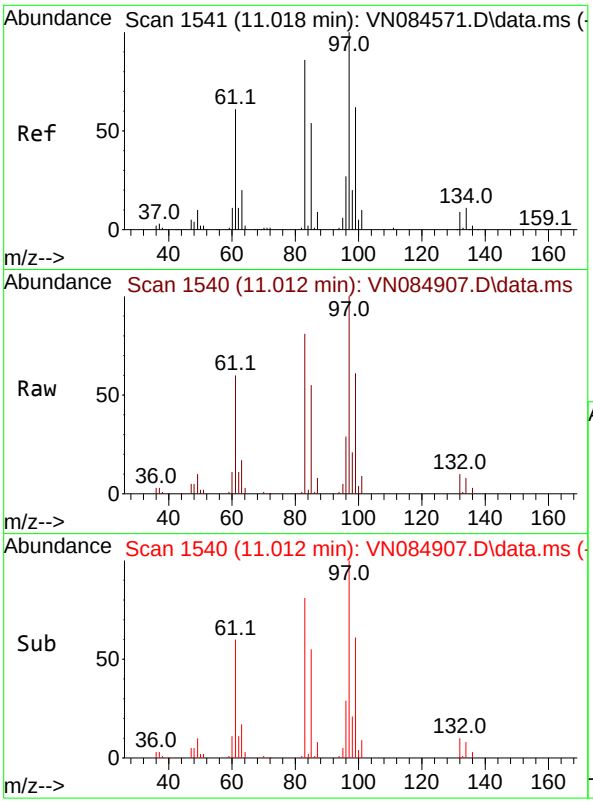


#54
cis-1,3-Dichloropropene
Concen: 49.104 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 75 Resp: 129610

Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.2	36.2
39	45.6	38.7	58.1



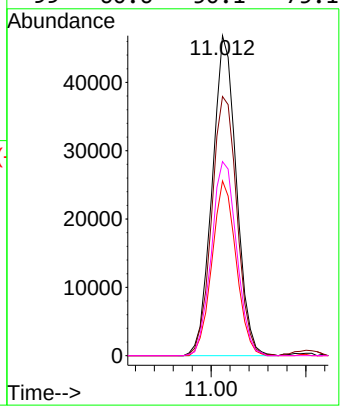


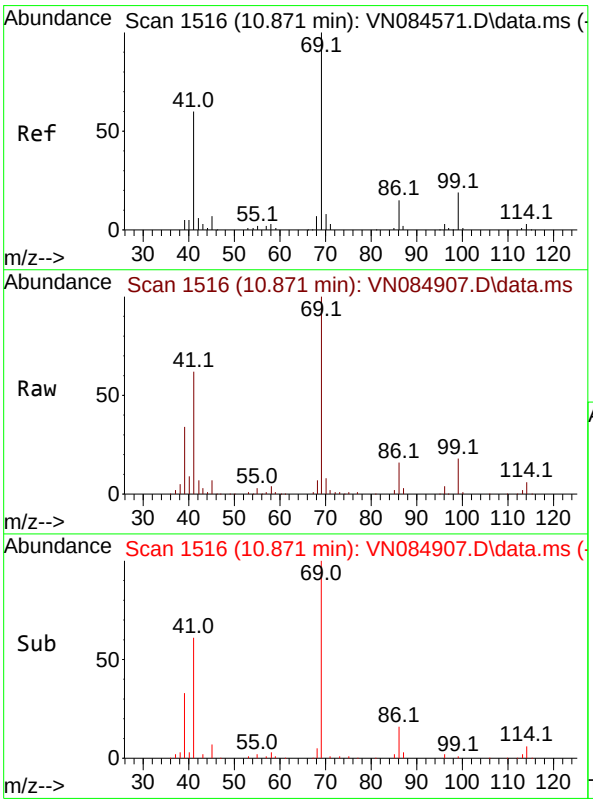
#55
1,1,2-Trichloroethane
Concen: 54.587 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion: 97 Resp: 83037

Ion	Ratio	Lower	Upper
97	100		
83	81.0	71.0	106.4
85	54.6	41.7	62.5
99	60.6	50.1	75.1

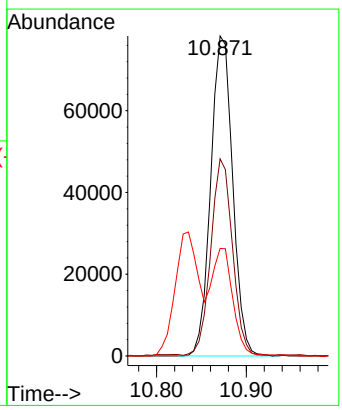


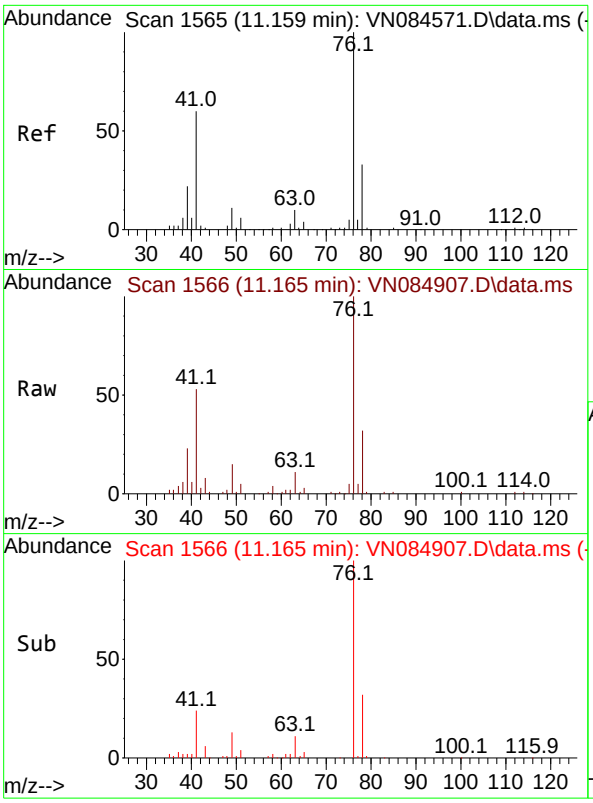


#56
Ethyl methacrylate
Concen: 60.379 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 69 Resp: 132855

Ion	Ratio	Lower	Upper
69	100		
41	61.2	53.3	79.9
39	33.4	28.8	43.2



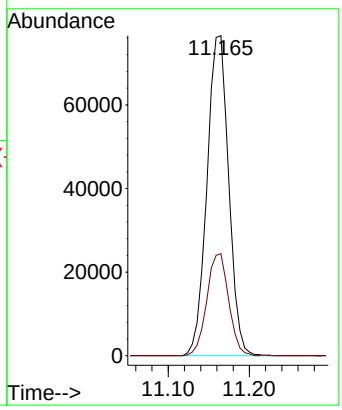


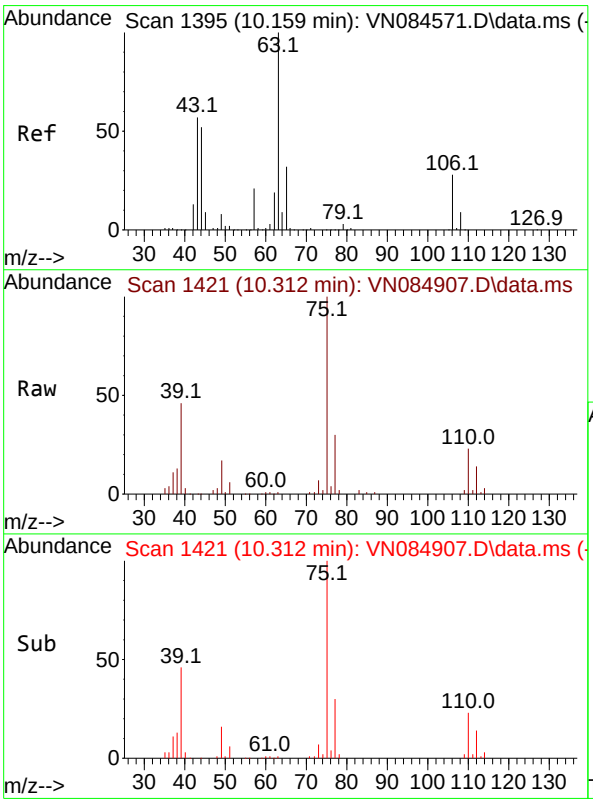
#57
1,3-Dichloropropane
Concen: 54.465 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion: 76 Resp: 142194

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.6

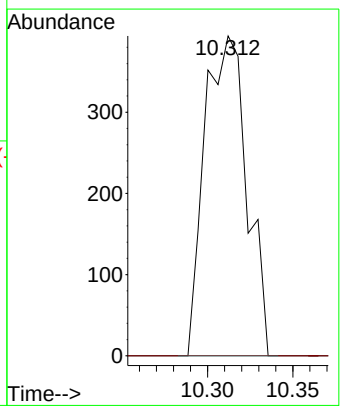


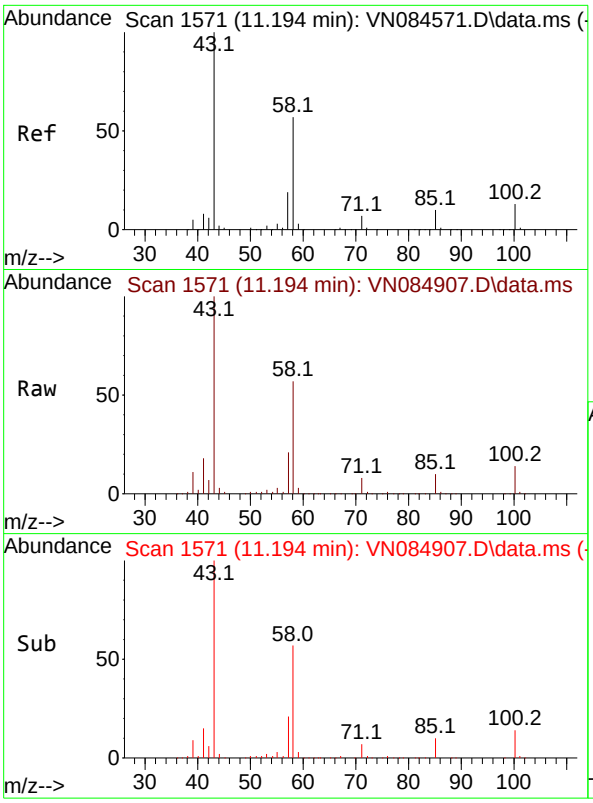


#58
2-Chloroethyl Vinyl ether
Concen: 0.658 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.153 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 63 Resp: 678

Ion	Ratio	Lower	Upper
63	100		
106	0.0	21.8	32.6#



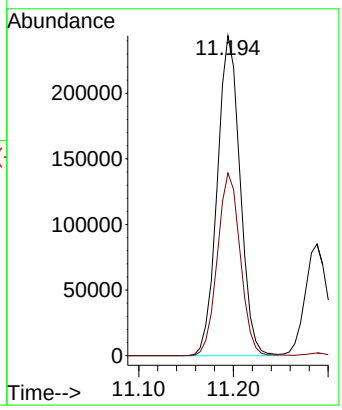


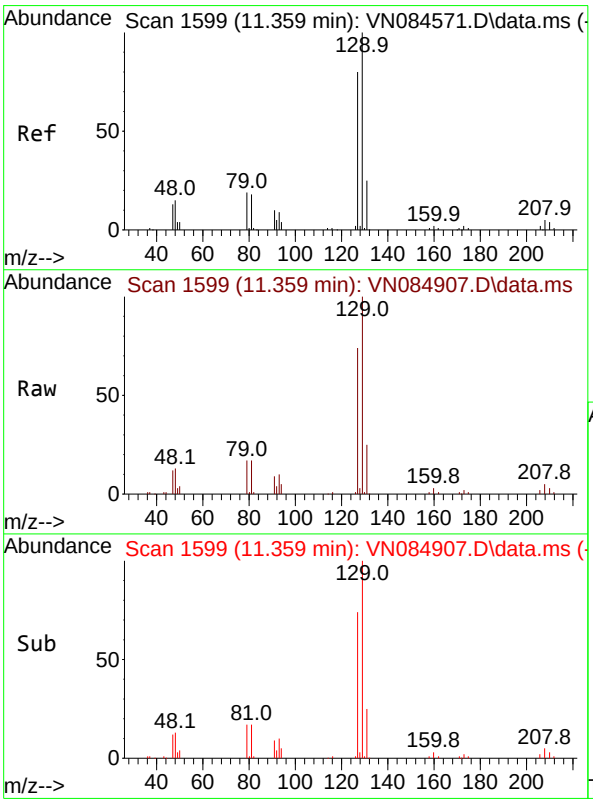
#59
2-Hexanone
Concen: 301.554 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion: 43 Resp: 408191

Ion	Ratio	Lower	Upper
43	100		
58	57.2	27.3	81.8

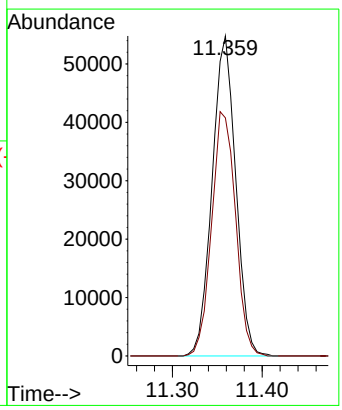


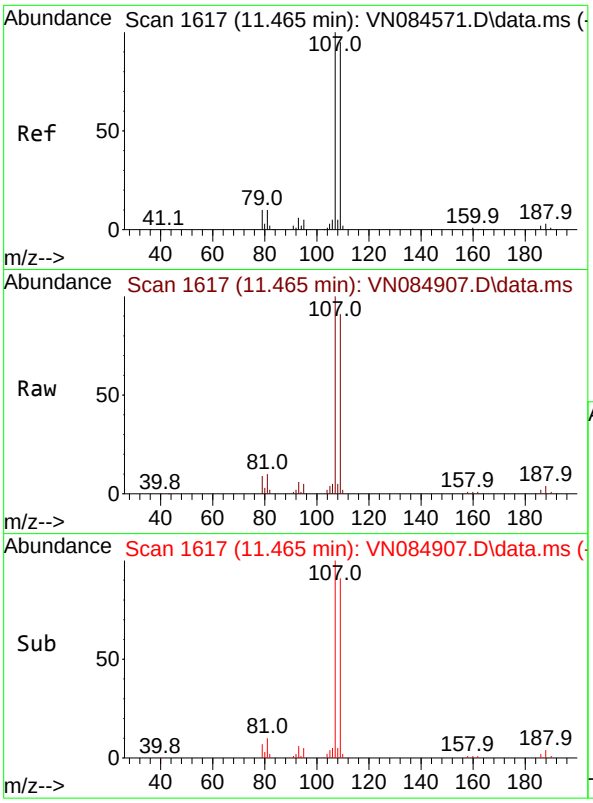


#60
Dibromochloromethane
Concen: 57.614 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:129 Resp: 99887

Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.3	114.9



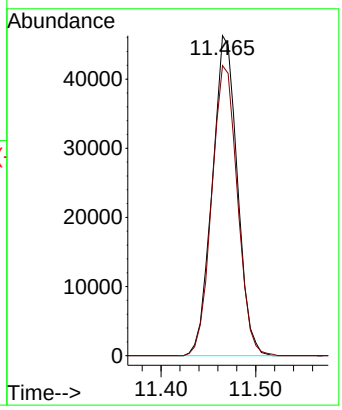


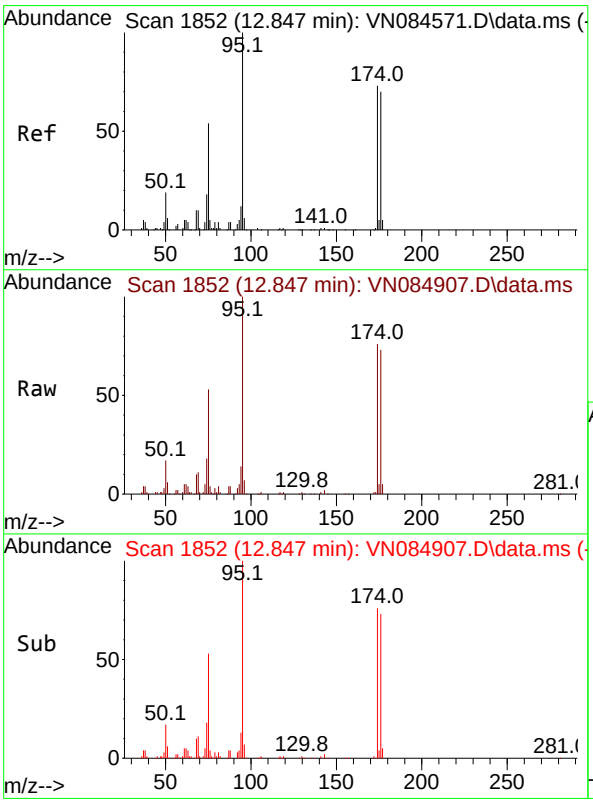
#61
1,2-Dibromoethane
Concen: 54.653 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion:107 Resp: 85137

Ion	Ratio	Lower	Upper
107	100		
109	92.7	75.4	113.0

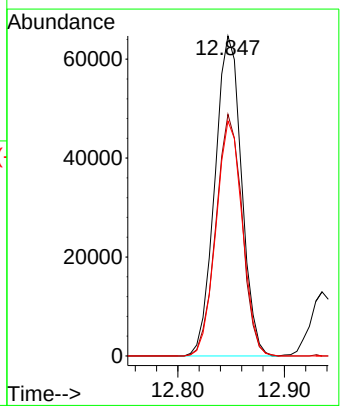


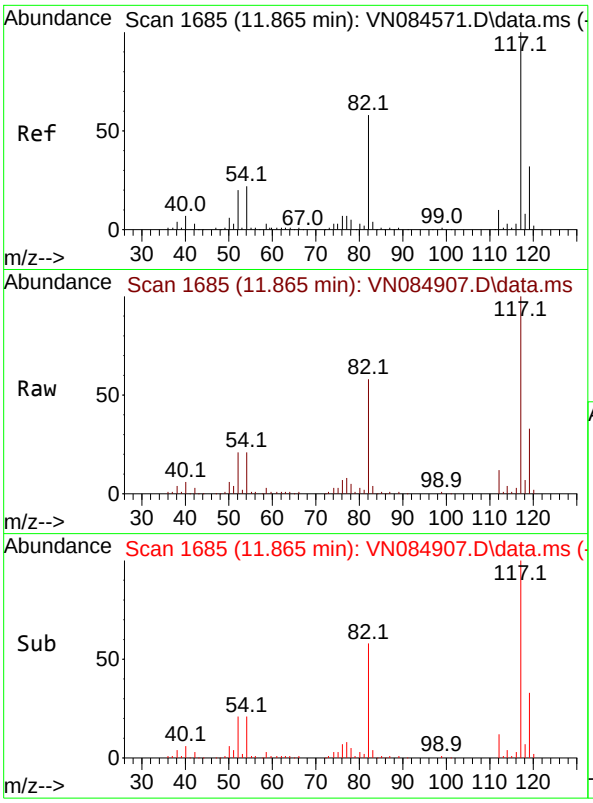


#62
4-Bromofluorobenzene
Concen: 52.663 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 95 Resp: 112401

Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	145.2
176	72.6	0.0	140.0



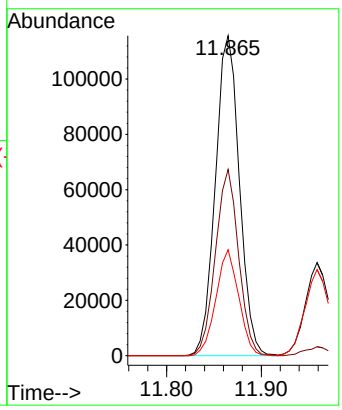


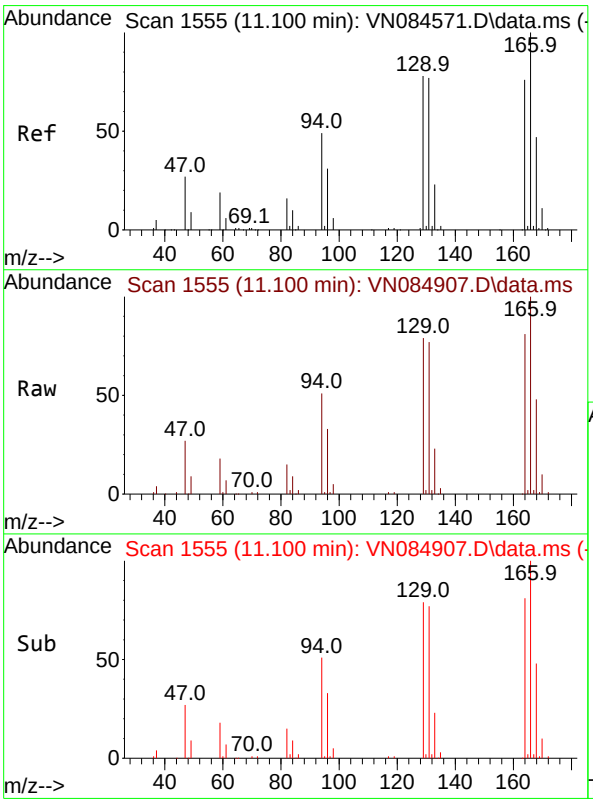
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion:117 Resp: 204228

Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.2	70.8
119	33.1	25.4	38.0

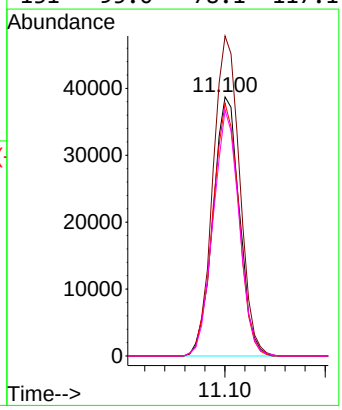


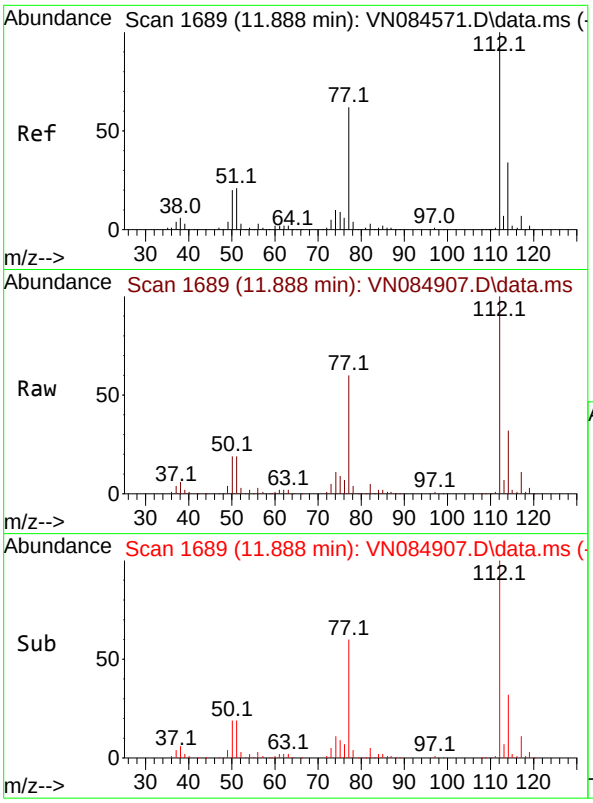


#64
Tetrachloroethene
Concen: 52.203 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:164 Resp: 70915

Ion	Ratio	Lower	Upper
164	100		
166	123.6	101.0	151.4
129	97.6	80.8	121.2
131	95.0	78.1	117.1



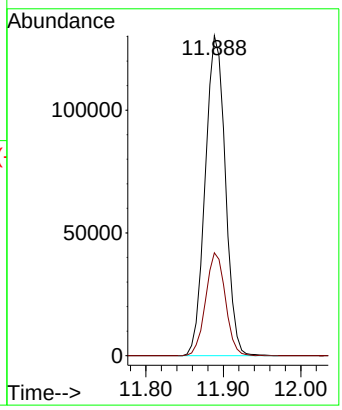


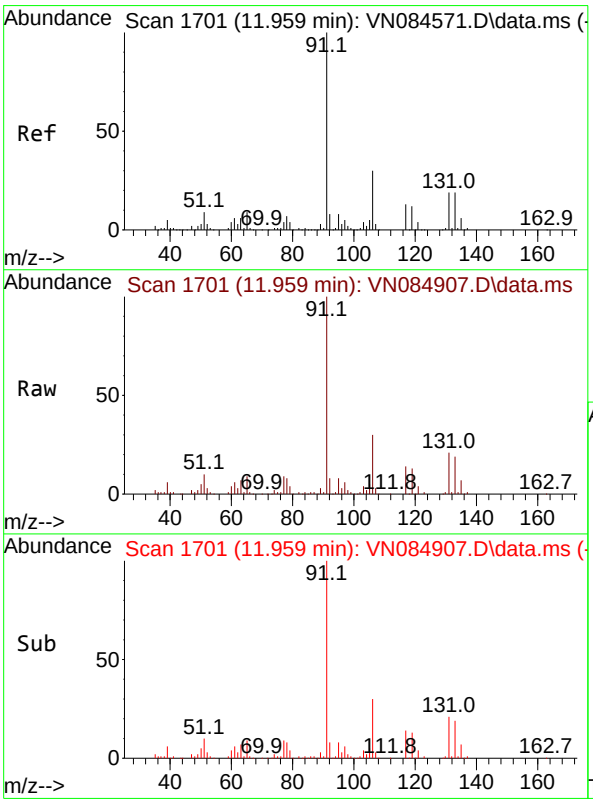
#65
Chlorobenzene
Concen: 51.481 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion:112 Resp: 235212

Ion	Ratio	Lower	Upper
112	100		
114	32.1	27.0	40.6

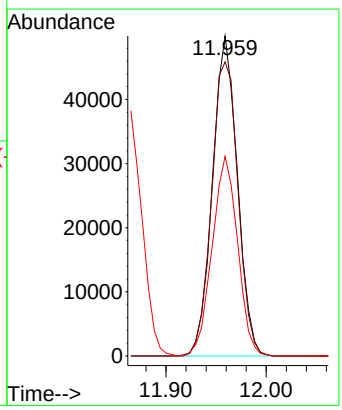


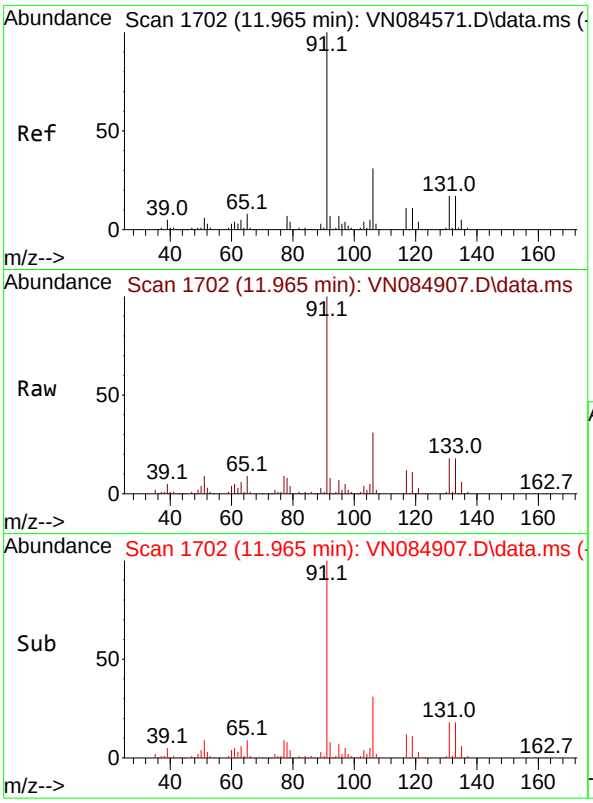


#66
1,1,1,2-Tetrachloroethane
Concen: 54.133 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:131 Resp: 86030

Ion	Ratio	Lower	Upper
131	100		
133	98.1	47.9	143.7
119	63.8	32.8	98.3



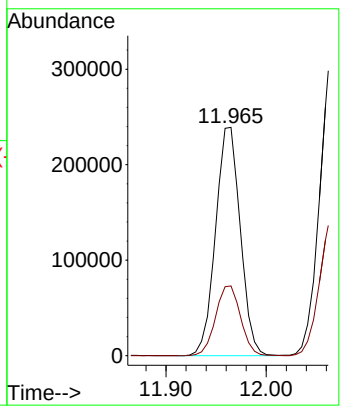


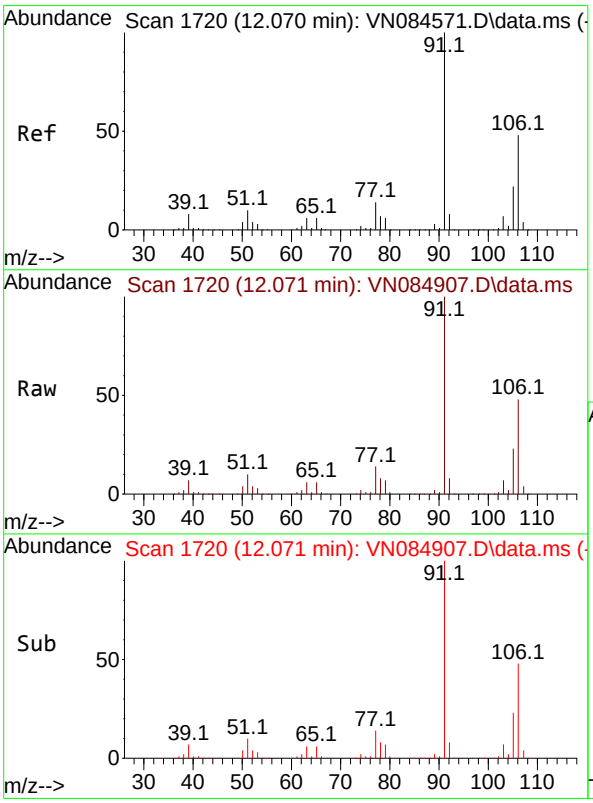
#67
Ethyl Benzene
Concen: 53.697 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion: 91 Resp: 409522

Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.5	36.7

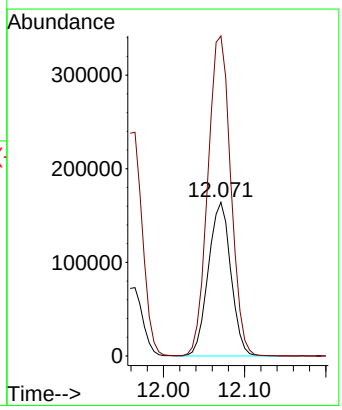


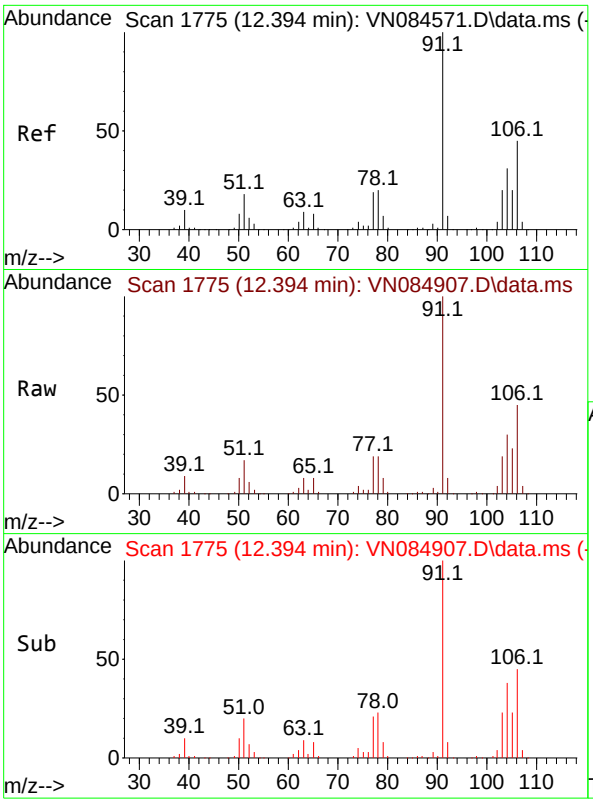


#68
m/p-Xylenes
Concen: 109.565 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:106 Resp: 316350

Ion	Ratio	Lower	Upper
106	100		
91	212.3	167.1	250.7



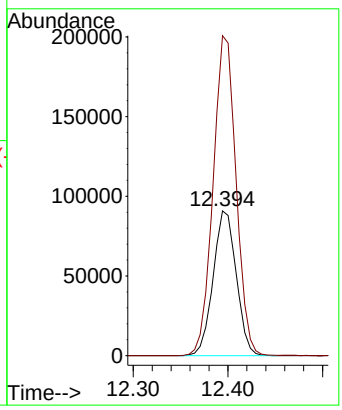


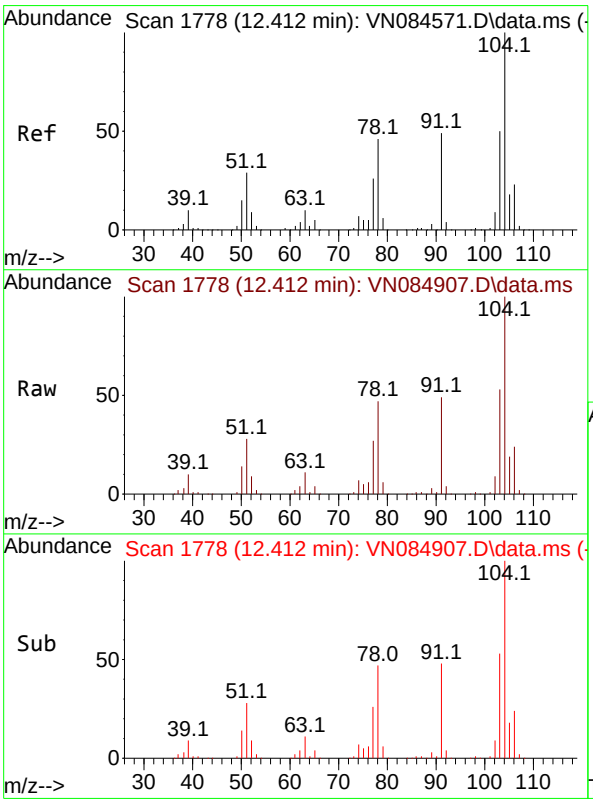
#69
o-Xylene
Concen: 57.058 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion:106 Resp: 154115

Ion	Ratio	Lower	Upper
106	100		
91	219.8	110.2	330.6

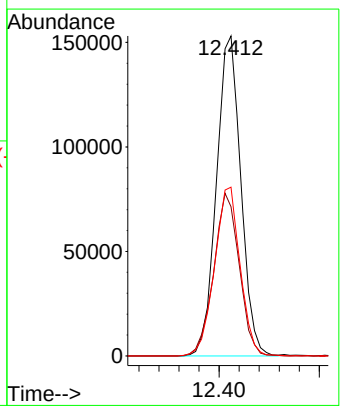


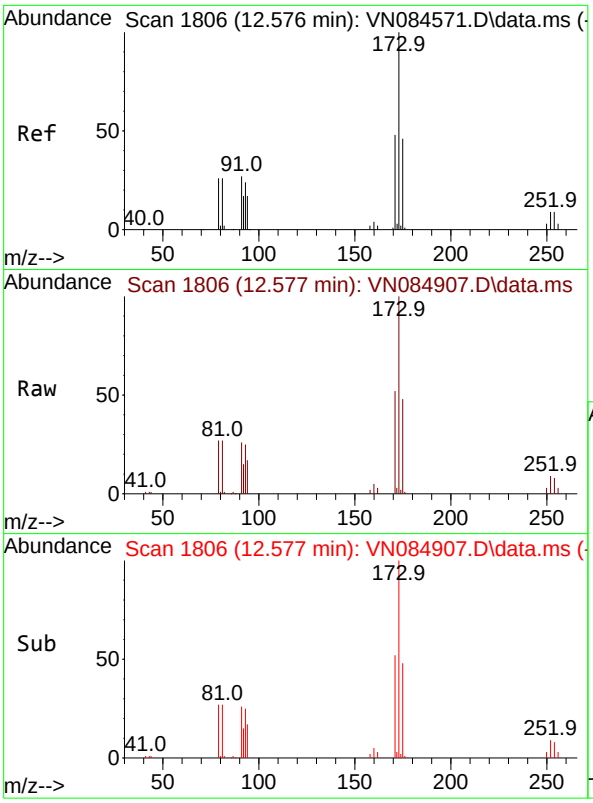


#70
Styrene
Concen: 54.855 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:104 Resp: 258466

Ion	Ratio	Lower	Upper
104	100		
78	53.2	42.7	64.1
103	55.2	43.6	65.4



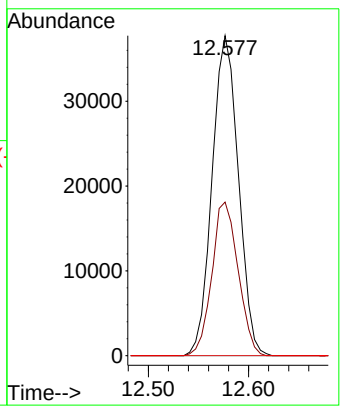


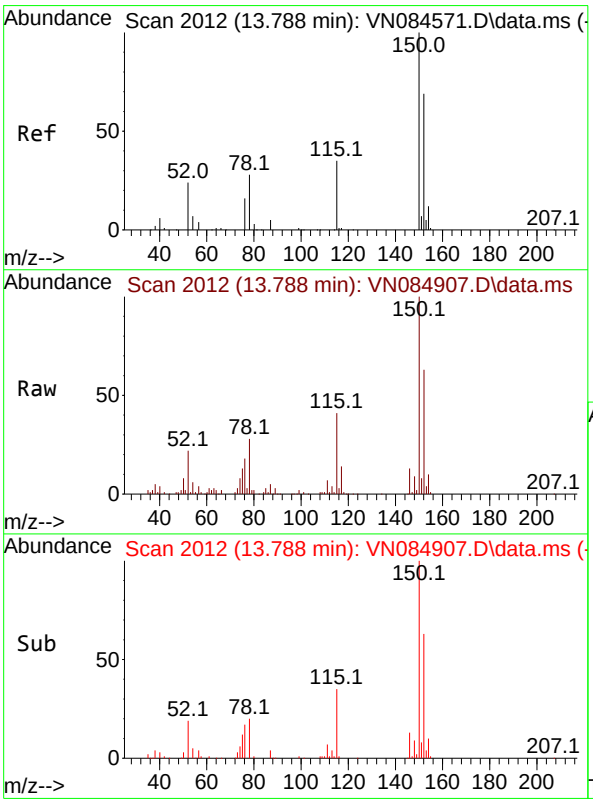
#71
Bromoform
Concen: 57.415 ug/l
RT: 12.577 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion:173 Resp: 68659

Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.5	70.6
254	0.0	0.0	0.0

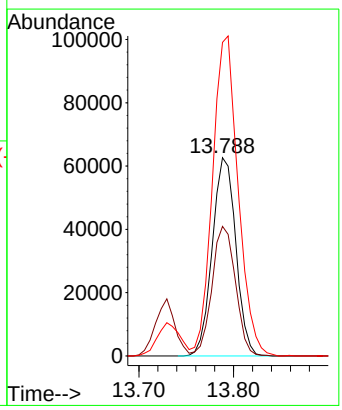


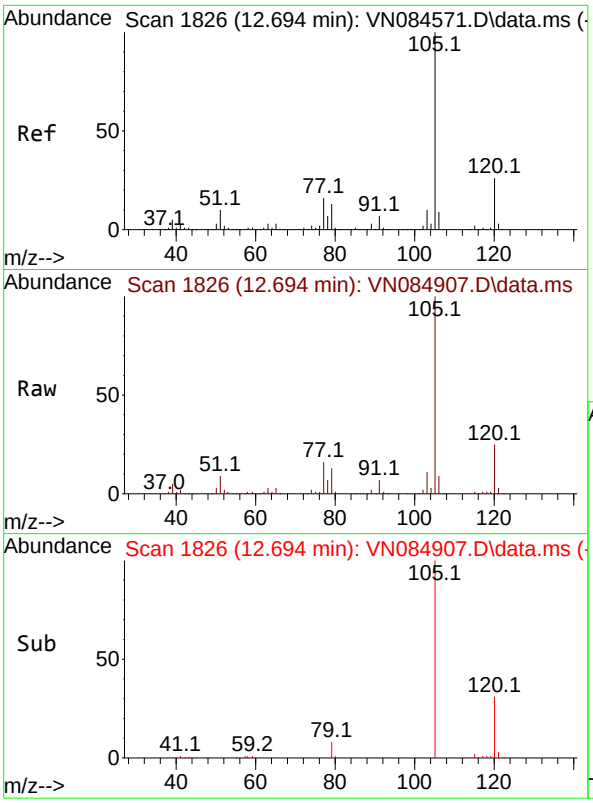


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:152 Resp: 108316

Ion	Ratio	Lower	Upper
152	100		
115	65.2	31.3	93.9
150	175.3	0.0	349.8



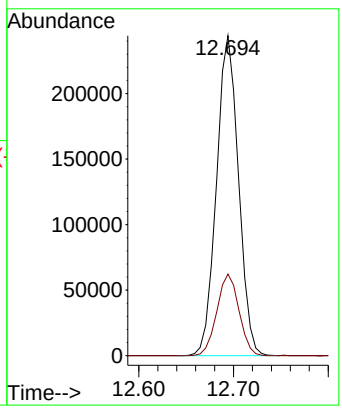


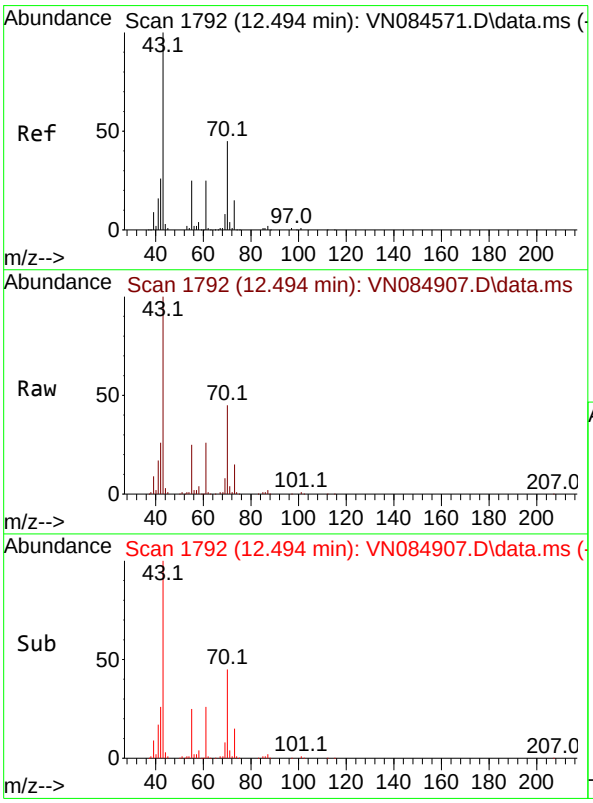
#73
Isopropylbenzene
Concen: 51.995 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion:105 Resp: 394665

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.9	38.7

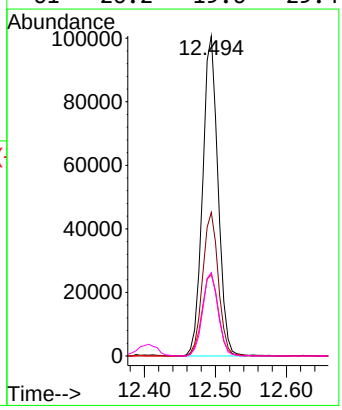


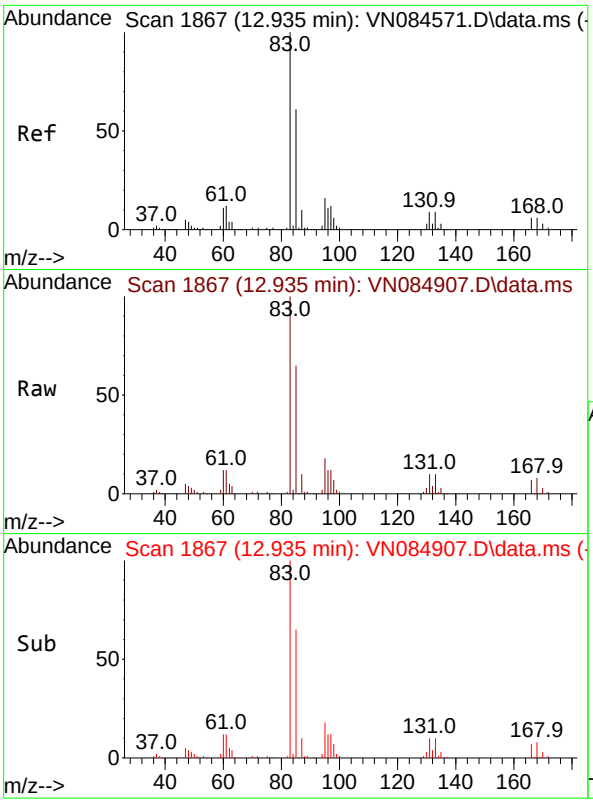


#74
N-amyl acetate
Concen: 47.111 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 43 Resp: 152199

Ion	Ratio	Lower	Upper
43	100		
70	45.6	34.4	51.6
55	27.1	19.6	29.4
61	26.2	19.6	29.4



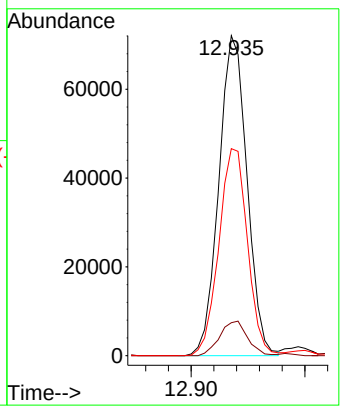


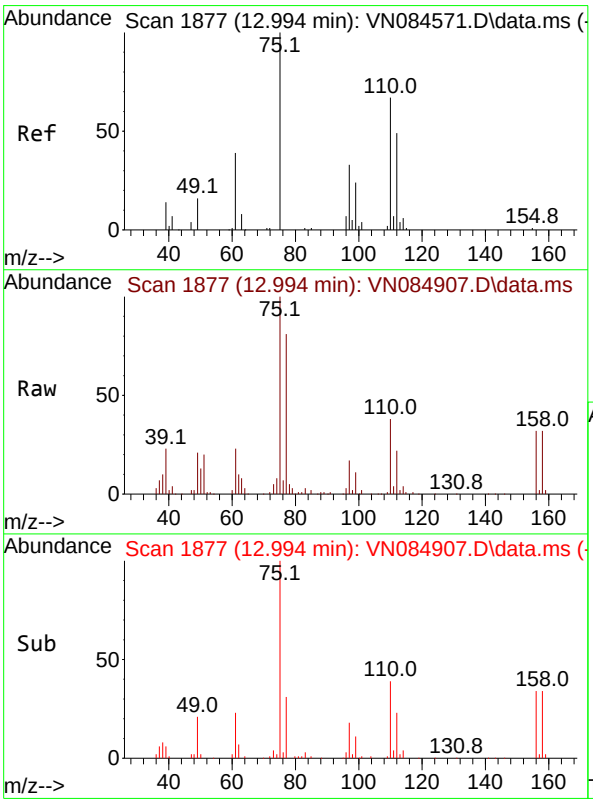
#75
1,1,2,2-Tetrachloroethane
Concen: 49.021 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion: 83 Resp: 124200

Ion	Ratio	Lower	Upper
83	100		
131	10.7	4.9	14.7
85	65.7	31.9	95.7

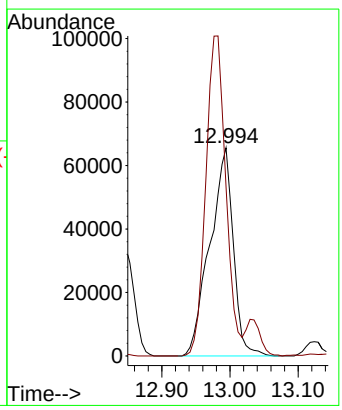


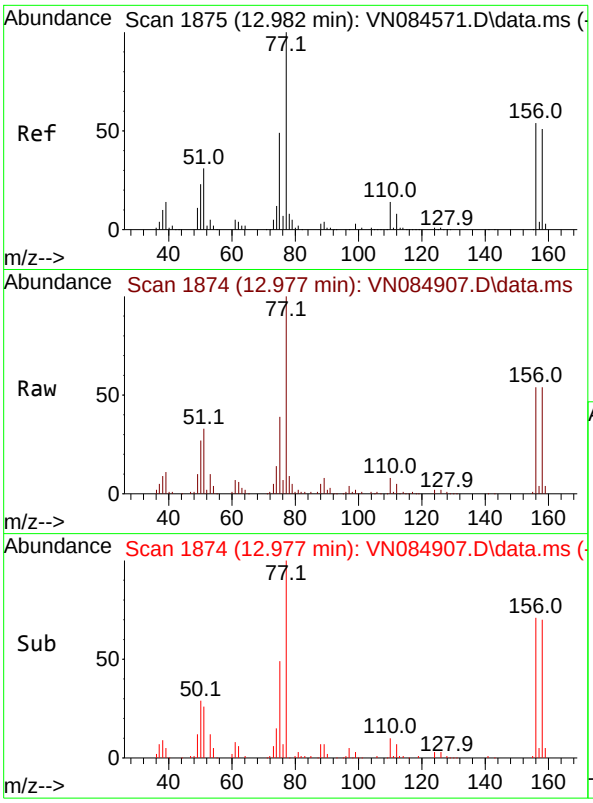


#76
1,2,3-Trichloropropane
Concen: 72.594 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 75 Resp: 157179

Ion	Ratio	Lower	Upper
75	100		
77	131.3	96.9	290.7



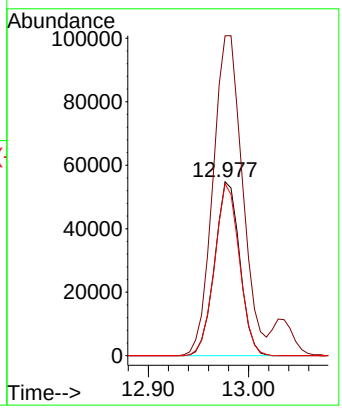


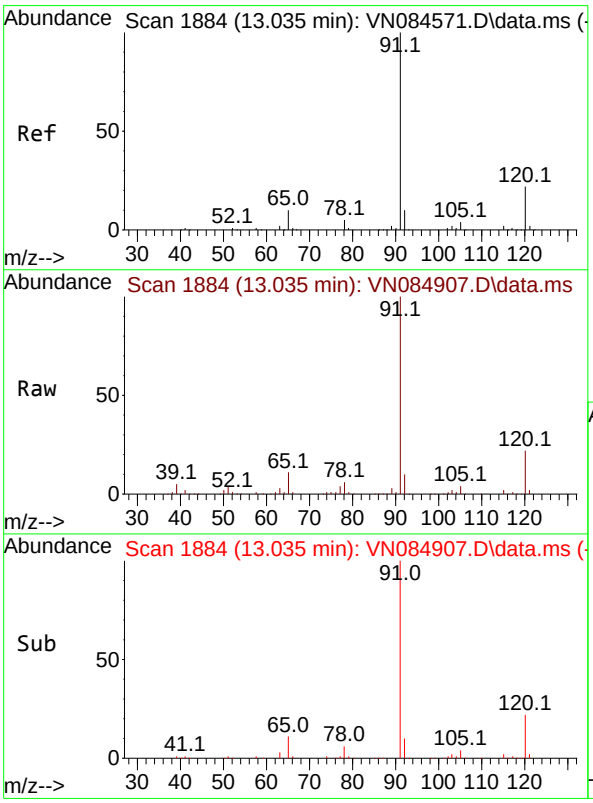
#77
Bromobenzene
Concen: 46.590 ug/l
RT: 12.977 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion:156 Resp: 95069

Ion	Ratio	Lower	Upper
156	100		
77	217.0	115.1	345.3
158	98.2	48.9	146.8

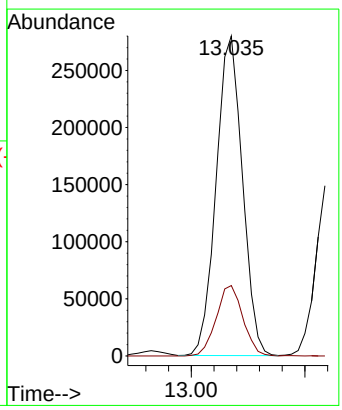


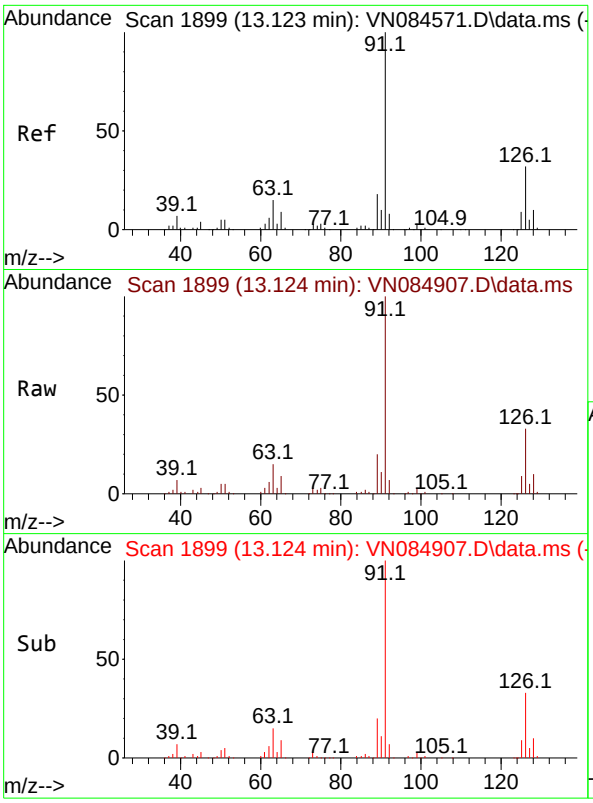


#78
n-propylbenzene
Concen: 50.482 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 91 Resp: 449029

Ion	Ratio	Lower	Upper
91	100		
120	22.4	10.8	32.4



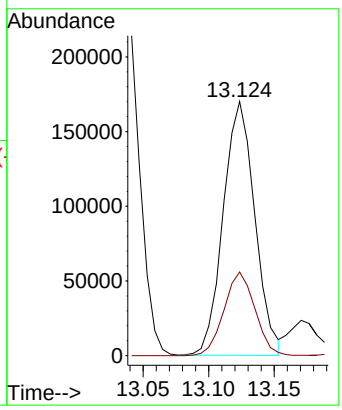


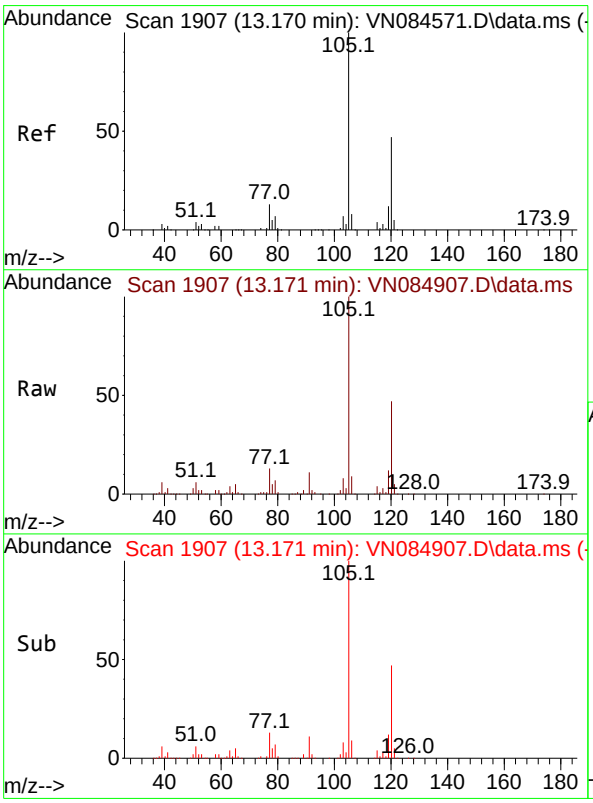
#79
2-Chlorotoluene
Concen: 49.074 ug/l
RT: 13.124 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion: 91 Resp: 285213

Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.7	47.1

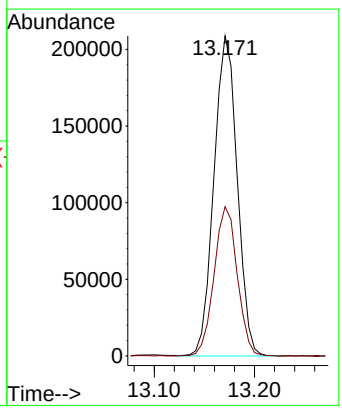


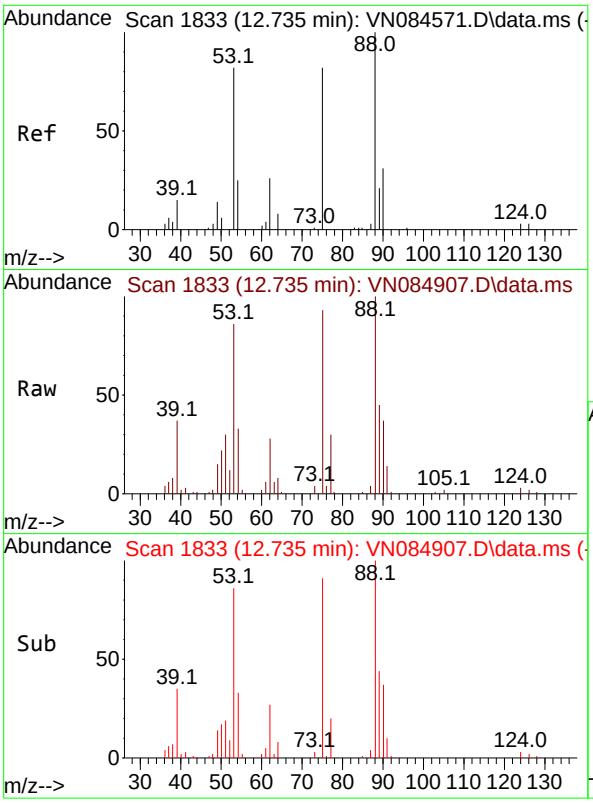


#80
1,3,5-Trimethylbenzene
Concen: 53.376 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:105 Resp: 335797

Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.7	71.1



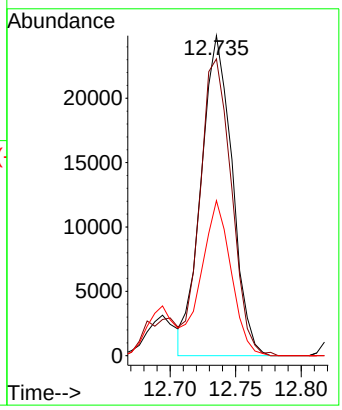


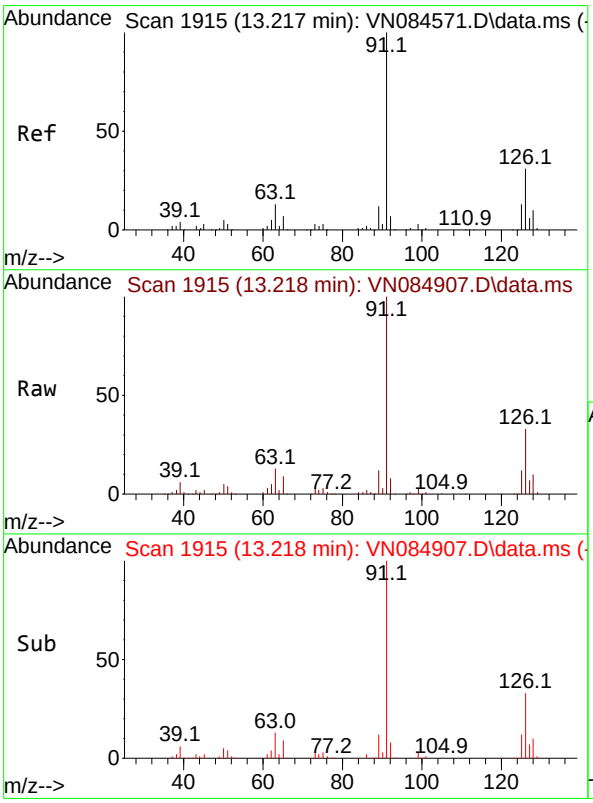
#81
trans-1,4-Dichloro-2-butene
Concen: 44.922 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion: 75 Resp: 40998

Ion	Ratio	Lower	Upper
75	100		
53	106.5	78.0	117.0
89	47.0	35.5	53.3

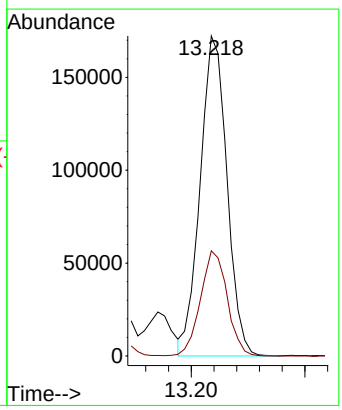


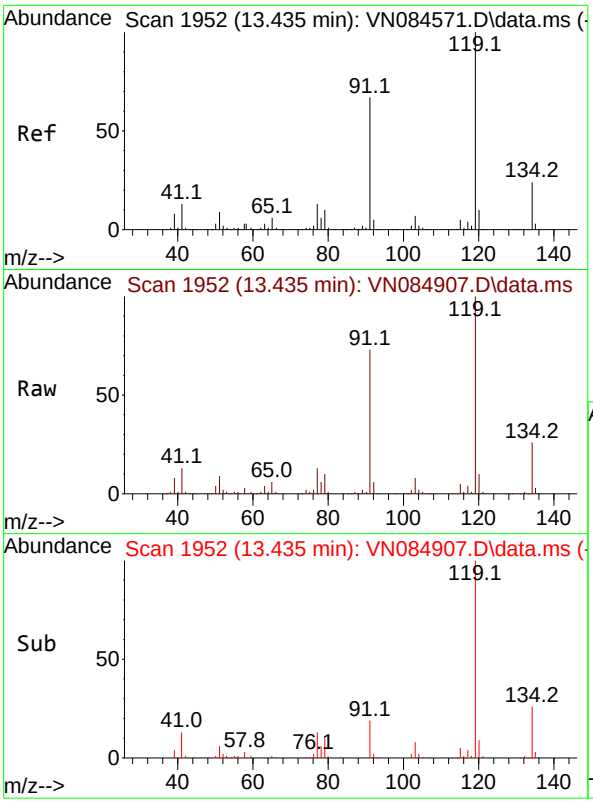


#82
4-Chlorotoluene
Concen: 46.155 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 91 Resp: 282308

Ion	Ratio	Lower	Upper
91	100		
126	32.7	15.7	47.1



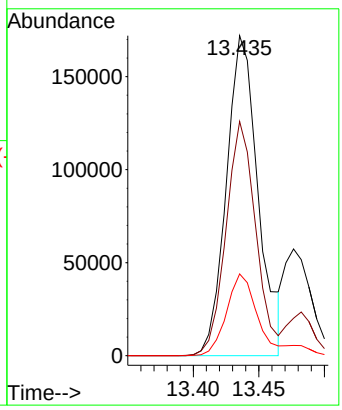


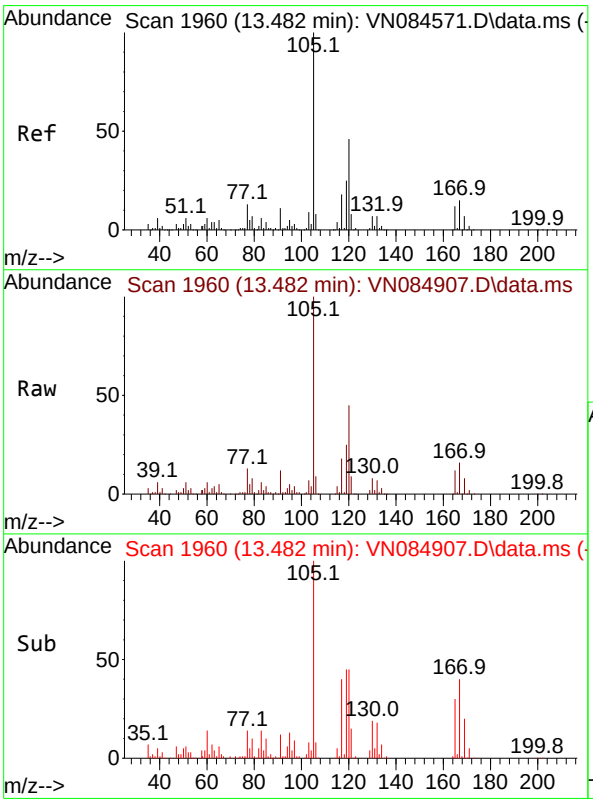
#83
tert-Butylbenzene
Concen: 55.802 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion:119 Resp: 290541

Ion	Ratio	Lower	Upper
119	100		
91	68.7	34.1	102.3
134	26.9	12.8	38.4

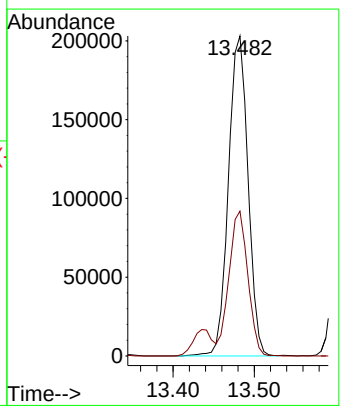


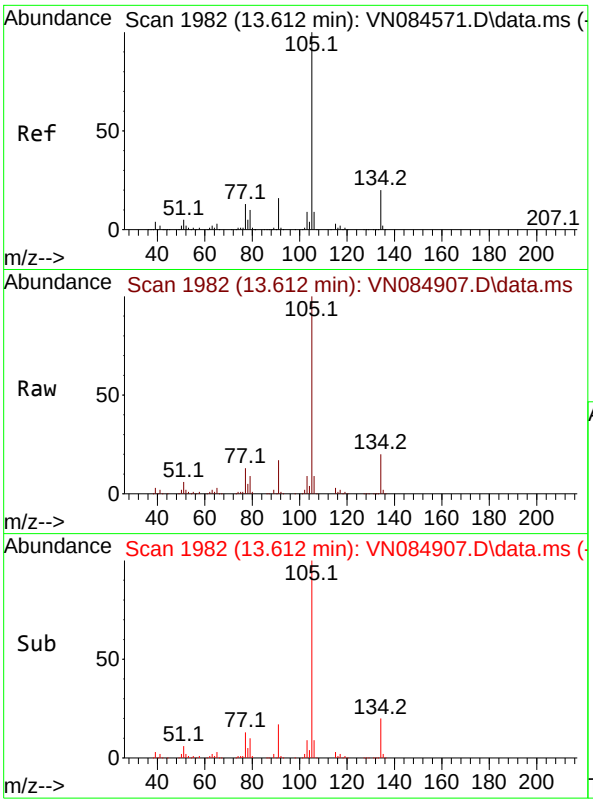


#84
1,2,4-Trimethylbenzene
Concen: 52.306 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:105 Resp: 339626

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.3	66.8



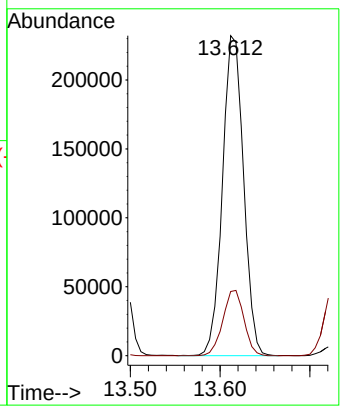


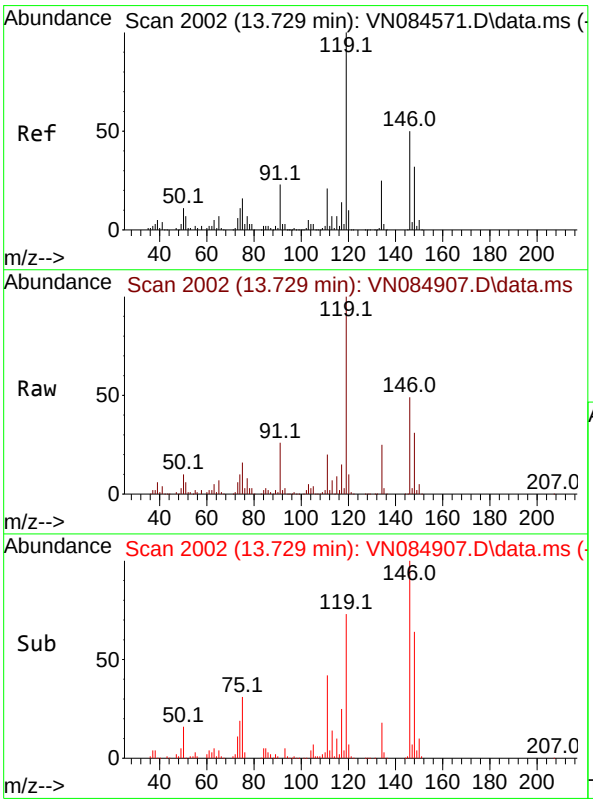
#85
sec-Butylbenzene
Concen: 51.558 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion:105 Resp: 379195

Ion	Ratio	Lower	Upper
105	100		
134	20.4	9.8	29.4

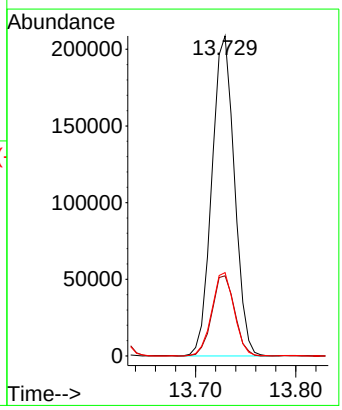


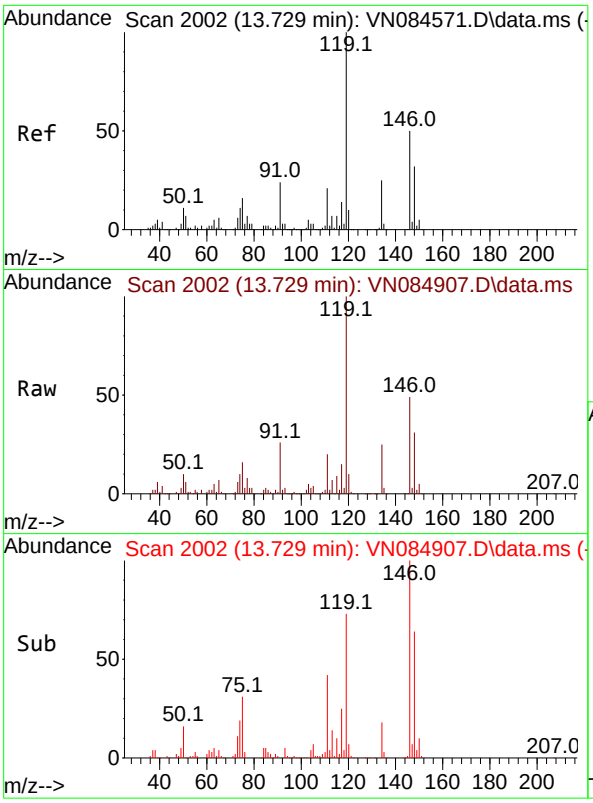


#86
p-Isopropyltoluene
Concen: 54.054 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:119 Resp: 326047

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.8
91	25.8	12.4	37.2



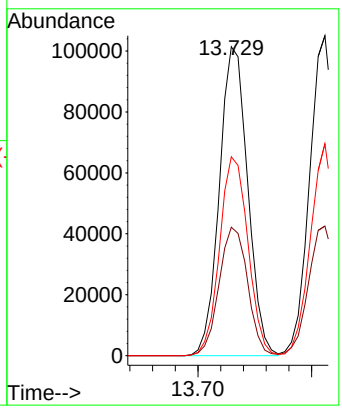


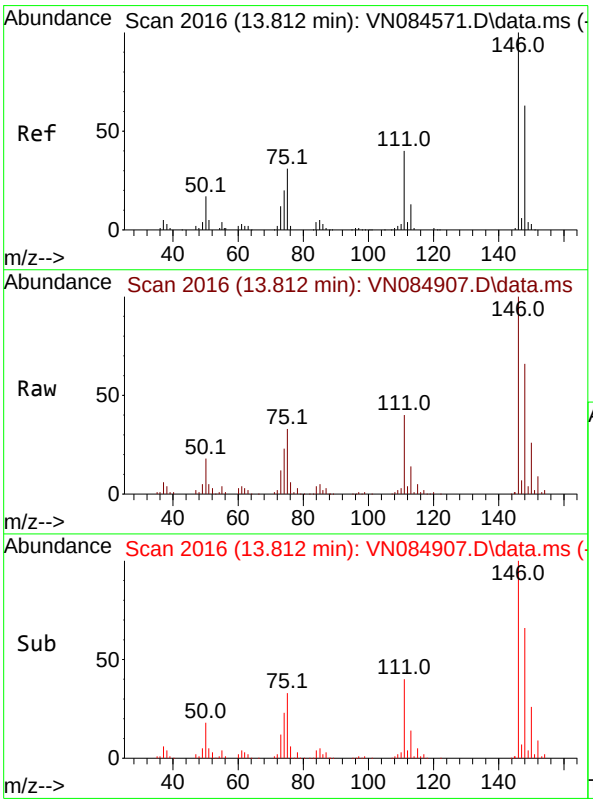
#87
1,3-Dichlorobenzene
Concen: 44.132 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion:146 Resp: 175748

Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.8	65.3
148	64.5	31.9	95.7

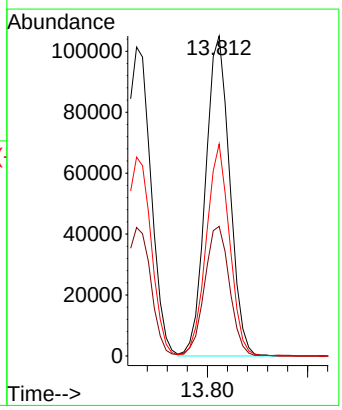


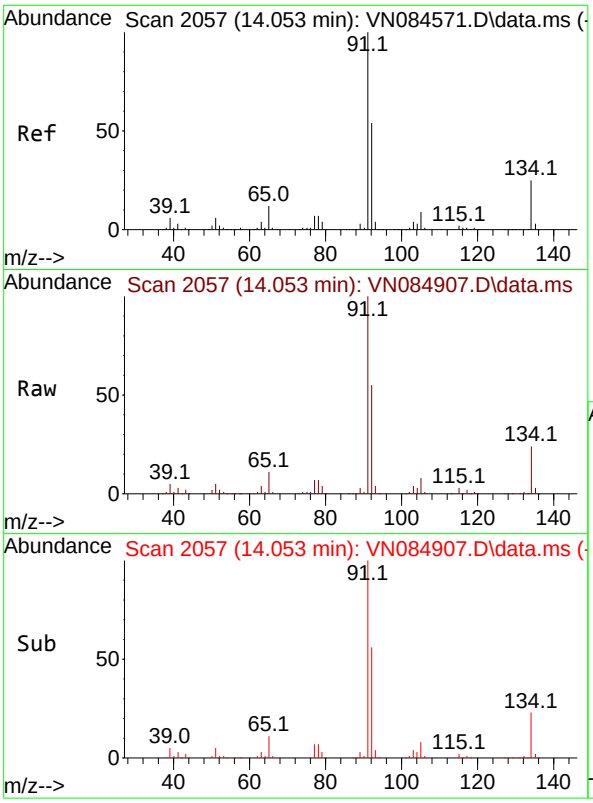


#88
1,4-Dichlorobenzene
Concen: 48.095 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:146 Resp: 175829

Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.2	63.6
148	63.8	31.9	95.9



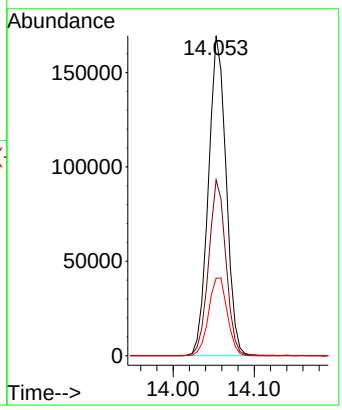


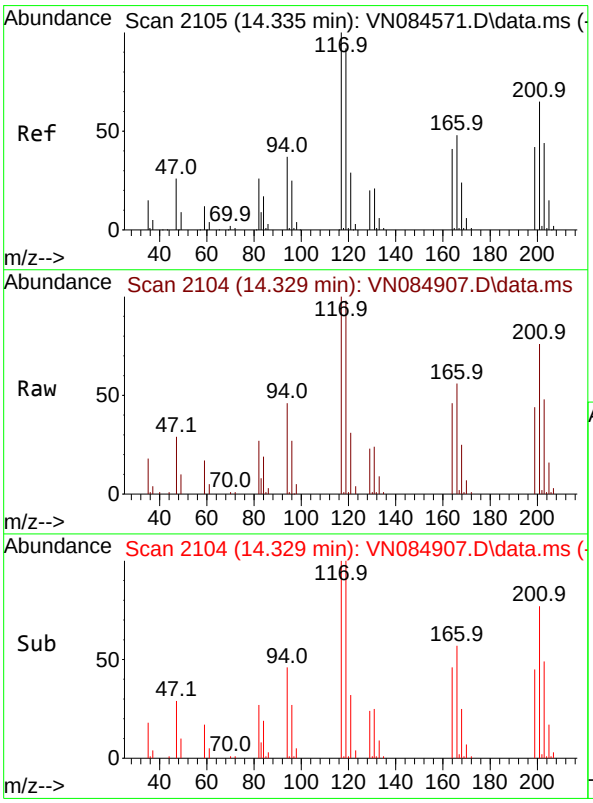
#89
n-Butylbenzene
Concen: 45.434 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion: 91 Resp: 256352

Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.6	79.7
134	25.6	12.3	36.9

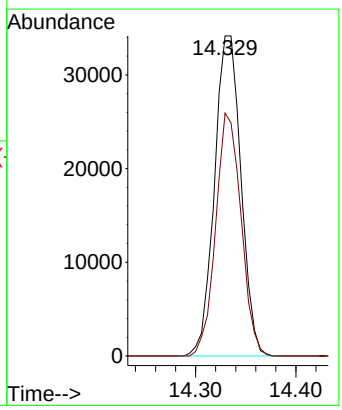


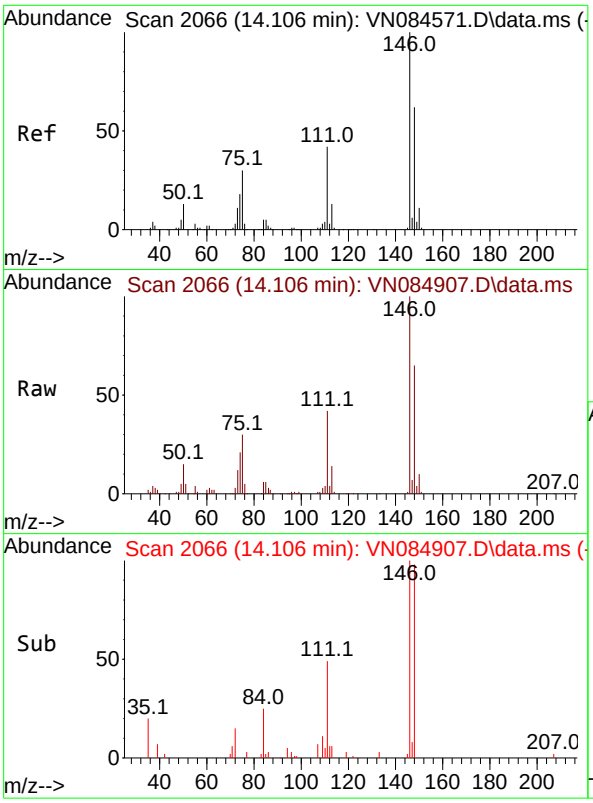


#90
Hexachloroethane
Concen: 46.627 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:117 Resp: 62720

Ion	Ratio	Lower	Upper
117	100		
201	72.6	34.4	103.2



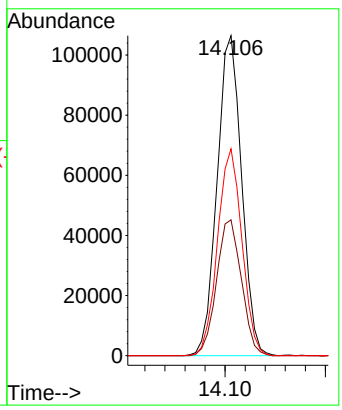


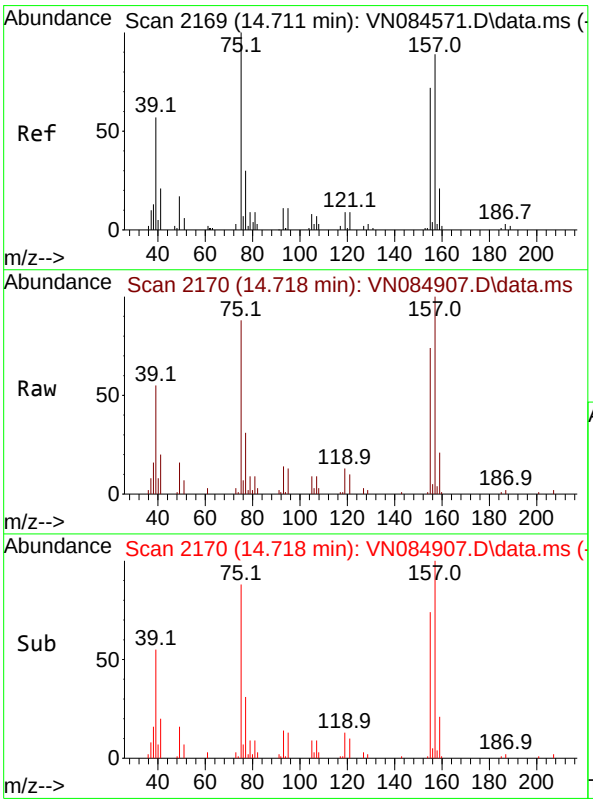
#91
1,2-Dichlorobenzene
Concen: 47.149 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion:146 Resp: 180429

Ion	Ratio	Lower	Upper
146	100		
111	43.1	22.0	66.0
148	64.4	32.1	96.3

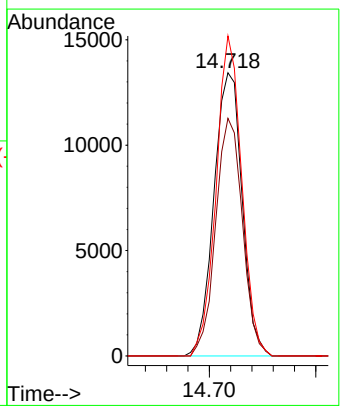


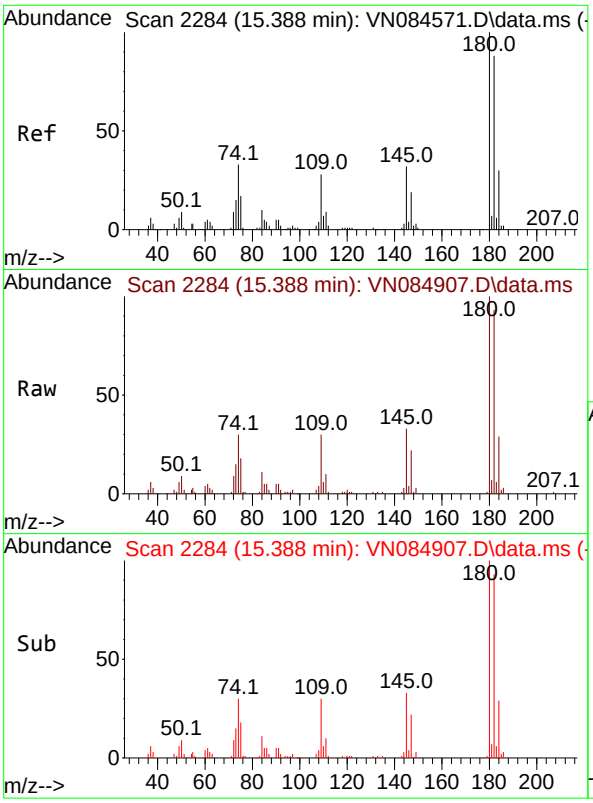


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.122 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion: 75 Resp: 24700

Ion	Ratio	Lower	Upper
75	100		
155	79.7	38.1	114.5
157	102.5	49.6	149.0



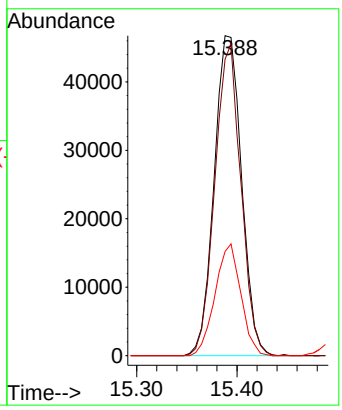


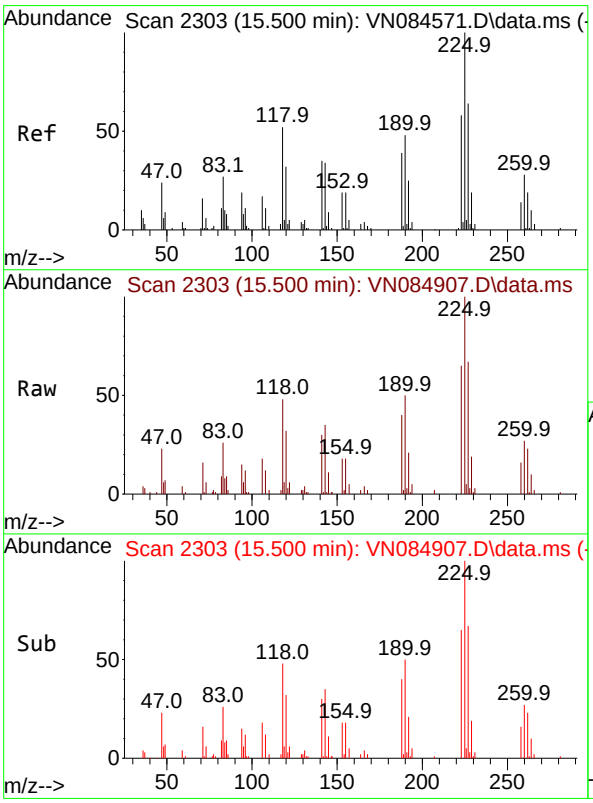
#93
1,2,4-Trichlorobenzene
Concen: 42.325 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion:180 Resp: 88653

Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.0	141.0
145	32.9	16.4	49.4

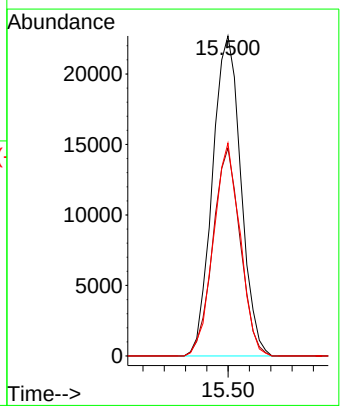


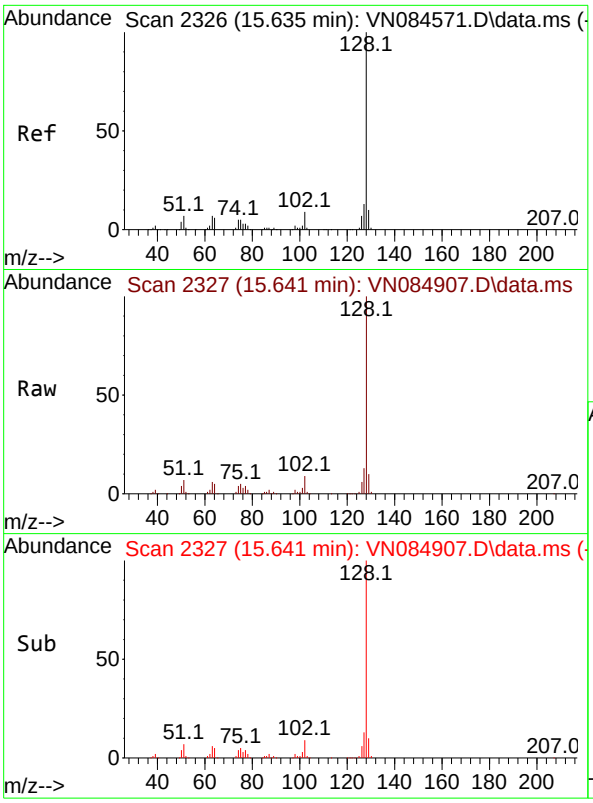


#94
Hexachlorobutadiene
Concen: 45.741 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:225 Resp: 42073

Ion	Ratio	Lower	Upper
225	100		
223	62.5	32.4	97.2
227	62.4	32.4	97.0



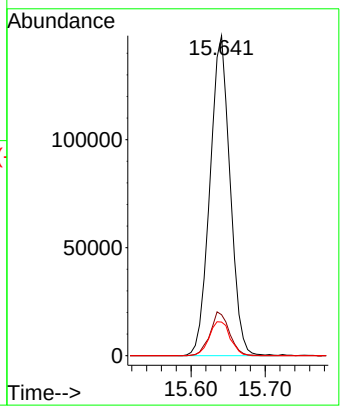


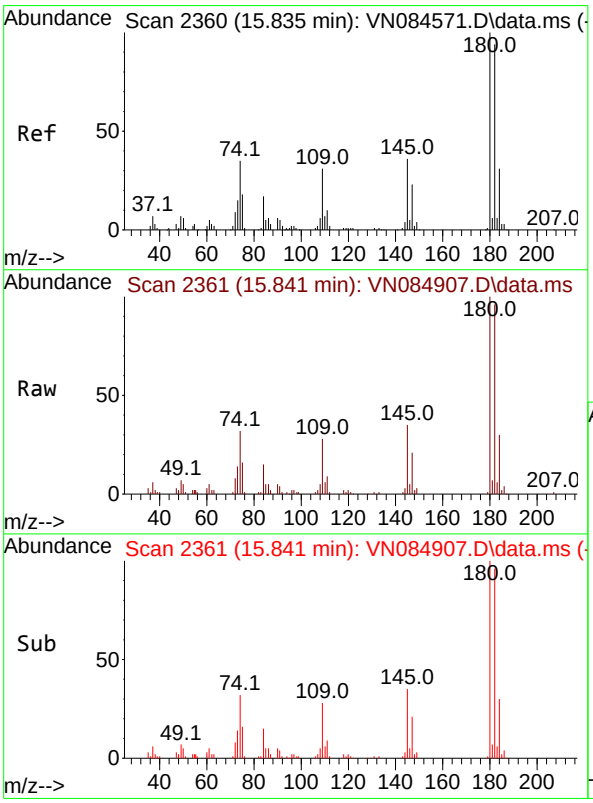
#95
Naphthalene
Concen: 44.572 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MS

Tgt Ion:128 Resp: 279438

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.1	8.7	13.1

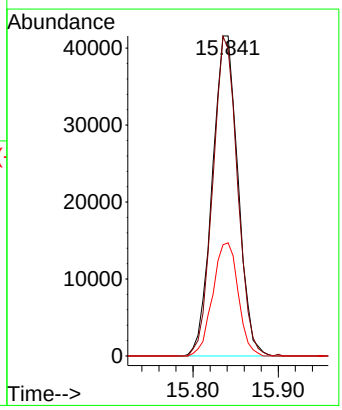




#96
1,2,3-Trichlorobenzene
Concen: 42.804 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084907.D
Acq: 17 Nov 2024 20:01

Tgt Ion:180 Resp: 87032

Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.2	144.6
145	35.0	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084908.D
Acq On : 17 Nov 2024 20:25
Operator : JC\MD
Sample : P4845-07MSD
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Quant Time: Nov 18 00:27:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	134585	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	222451	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	201565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	105985	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	94220	48.471	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.940%			
35) Dibromofluoromethane	8.165	113	75187	49.934	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.860%			
50) Toluene-d8	10.565	98	268888	48.478	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.960%			
62) 4-Bromofluorobenzene	12.847	95	104788	50.550	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	77196	49.895	ug/l	94
3) Chloromethane	2.359	50	94997	52.451	ug/l	100
4) Vinyl Chloride	2.512	62	97691	58.706	ug/l	98
5) Bromomethane	2.901	94	52158	59.158	ug/l	100
6) Chloroethane	3.065	64	62167	60.649	ug/l	95
7) Trichlorofluoromethane	3.465	101	162113	59.140	ug/l	99
8) Diethyl Ether	3.953	74	58651	60.654	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.353	101	82205	53.073	ug/l	98
10) Methyl Iodide	4.577	142	117493	56.757	ug/l	95
11) Tert butyl alcohol	5.536	59	80203	312.579	ug/l	100
12) 1,1-Dichloroethene	4.324	96	77963	50.868	ug/l	97
13) Acrolein	4.171	56	71831	280.745	ug/l	97
14) Allyl chloride	5.006	41	125324	50.421	ug/l	94
15) Acrylonitrile	5.712	53	212708	286.360	ug/l	98
16) Acetone	4.430	43	173751	310.122	ug/l	99
17) Carbon Disulfide	4.700	76	212436	45.009	ug/l	99
18) Methyl Acetate	5.018	43	101310	49.340	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	274256	58.382	ug/l	97
20) Methylene Chloride	5.265	84	89331	52.251	ug/l	91
21) trans-1,2-Dichloroethene	5.777	96	80949	51.437	ug/l	100
22) Diisopropyl ether	6.671	45	261853	53.019	ug/l	95
23) Vinyl Acetate	6.594	43	916858	269.199	ug/l	97
24) 1,1-Dichloroethane	6.559	63	159204	53.692	ug/l	98
25) 2-Butanone	7.483	43	268641	296.227	ug/l	96
26) 2,2-Dichloropropane	7.488	77	123140	47.714	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	100096	54.471	ug/l	94
28) Bromochloromethane	7.812	49	58903	49.861	ug/l	89
29) Tetrahydrofuran	7.835	42	176742	293.770	ug/l	92
30) Chloroform	7.965	83	167080	55.361	ug/l	100
31) Cyclohexane	8.253	56	129419	48.224	ug/l	97
32) 1,1,1-Trichloroethane	8.159	97	156032	56.803	ug/l	96
36) 1,1-Dichloropropene	8.371	75	112455	53.851	ug/l	99
37) Ethyl Acetate	7.559	43	104589	55.202	ug/l	98
38) Carbon Tetrachloride	8.359	117	136149	58.330	ug/l	99
39) Methylcyclohexane	9.594	83	120973	56.944	ug/l	98
40) Benzene	8.600	78	359117	53.549	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084908.D
Acq On : 17 Nov 2024 20:25
Operator : JC\MD
Sample : P4845-07MSD
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Quant Time: Nov 18 00:27:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	64327	63.136	ug/l		96
42) 1,2-Dichloroethane	8.665	62	123737	56.972	ug/l		99
43) Isopropyl Acetate	8.682	43	188497	53.928	ug/l		97
44) Trichloroethene	9.353	130	84459	54.608	ug/l		92
45) 1,2-Dichloropropane	9.618	63	86965	55.280	ug/l		94
46) Dibromomethane	9.706	93	62601	56.393	ug/l		95
47) Bromodichloromethane	9.888	83	134701	57.565	ug/l		97
48) Methyl methacrylate	9.677	41	87819	59.556	ug/l		95
49) 1,4-Dioxane	9.694	88	34154	1307.072	ug/l	#	81
51) 4-Methyl-2-Pentanone	10.441	43	555608	307.615	ug/l		97
52) Toluene	10.629	92	225028	57.373	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	130922	54.052	ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	135498	52.855	ug/l		96
55) 1,1,2-Trichloroethane	11.012	97	84167	56.968	ug/l		99
56) Ethyl methacrylate	10.871	69	138753	64.927	ug/l		91
57) 1,3-Dichloropropane	11.159	76	145534	57.395	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.312	63	734	0.734	ug/l	#	48
59) 2-Hexanone	11.194	43	415977	316.407	ug/l		97
60) Dibromochloromethane	11.359	129	102791	61.045	ug/l		100
61) 1,2-Dibromoethane	11.465	107	85996	56.840	ug/l		100
64) Tetrachloroethene	11.100	164	70654	52.698	ug/l		98
65) Chlorobenzene	11.888	112	240666	53.370	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	88847	56.644	ug/l		99
67) Ethyl Benzene	11.959	91	427880	56.845	ug/l		98
68) m/p-Xylenes	12.070	106	326803	114.681	ug/l		100
69) o-Xylene	12.394	106	159287	59.752	ug/l		99
70) Styrene	12.412	104	270604	58.190	ug/l		100
71) Bromoform	12.576	173	69838	59.172	ug/l	#	98
73) Isopropylbenzene	12.694	105	402146	54.145	ug/l		100
74) N-amyl acetate	12.494	43	154087	48.744	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.935	83	125423	50.592	ug/l		97
76) 1,2,3-Trichloropropane	12.994	75	159036	75.067	ug/l		61
77) Bromobenzene	12.982	156	98884	49.525	ug/l		95
78) n-propylbenzene	13.035	91	460312	52.889	ug/l		98
79) 2-Chlorotoluene	13.123	91	292096	51.363	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	344304	55.932	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	42087	47.129	ug/l		93
82) 4-Chlorotoluene	13.217	91	294554	49.217	ug/l		99
83) tert-Butylbenzene	13.435	119	282332	55.418	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	347897	54.758	ug/l		99
85) sec-Butylbenzene	13.617	105	389774	54.162	ug/l		100
86) p-Isopropyltoluene	13.729	119	329244	55.785	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	184304	47.298	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	182592	51.146	ug/l		99
89) n-Butylbenzene	14.053	91	265012	48.002	ug/l		99
90) Hexachloroethane	14.329	117	64780	49.217	ug/l		95
91) 1,2-Dichlorobenzene	14.106	146	184527	49.281	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26368	52.502	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	94786	46.249	ug/l		99
94) Hexachlorobutadiene	15.500	225	43359	48.176	ug/l		99
95) Naphthalene	15.635	128	304868	49.697	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	91928	46.207	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084908.D
Acq On : 17 Nov 2024 20:25
Operator : JC\MD
Sample : P4845-07MSD
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Quant Time: Nov 18 00:27:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

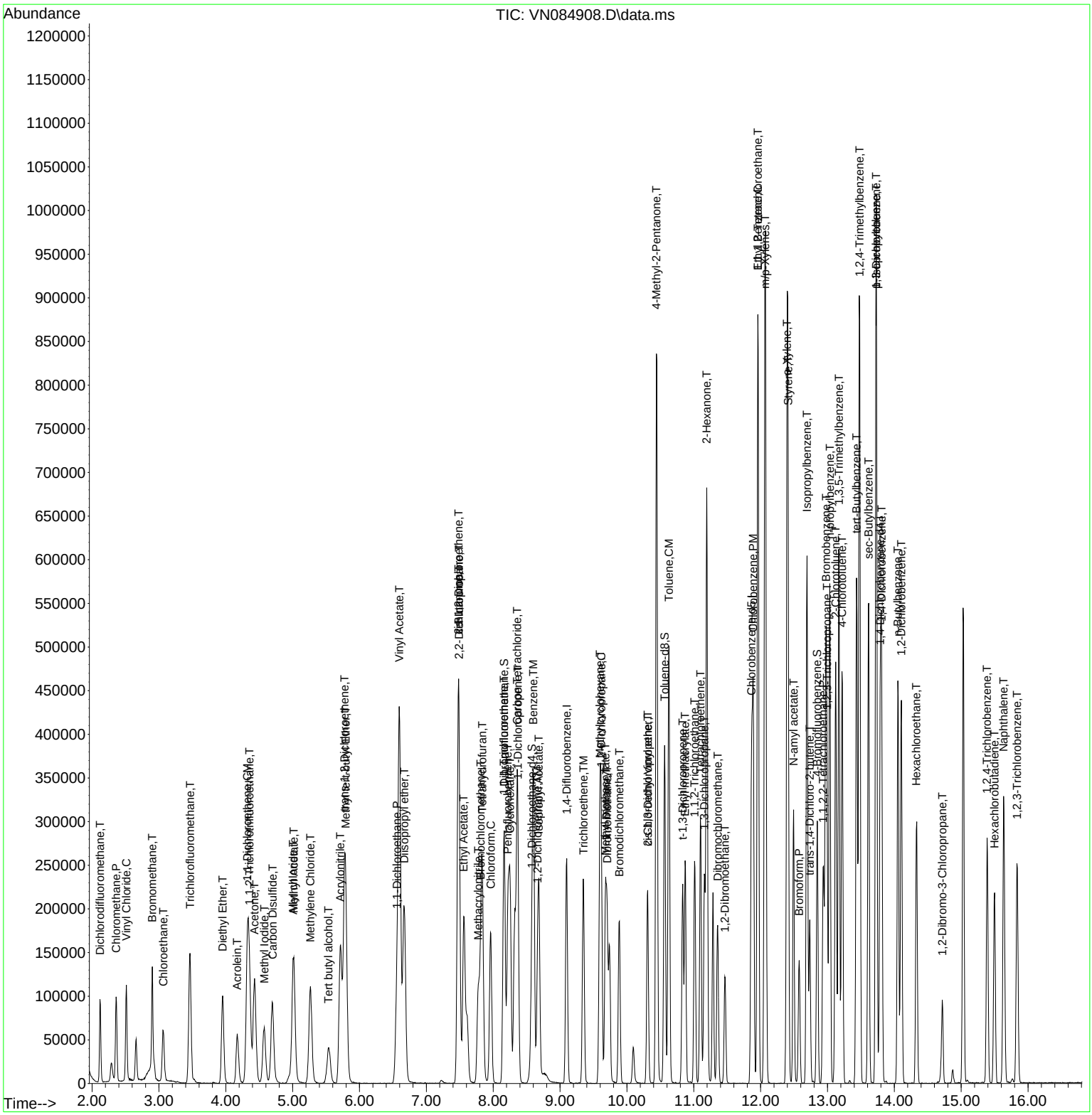
(#) = qualifier out of range (m) = manual integration (+) = signals summed

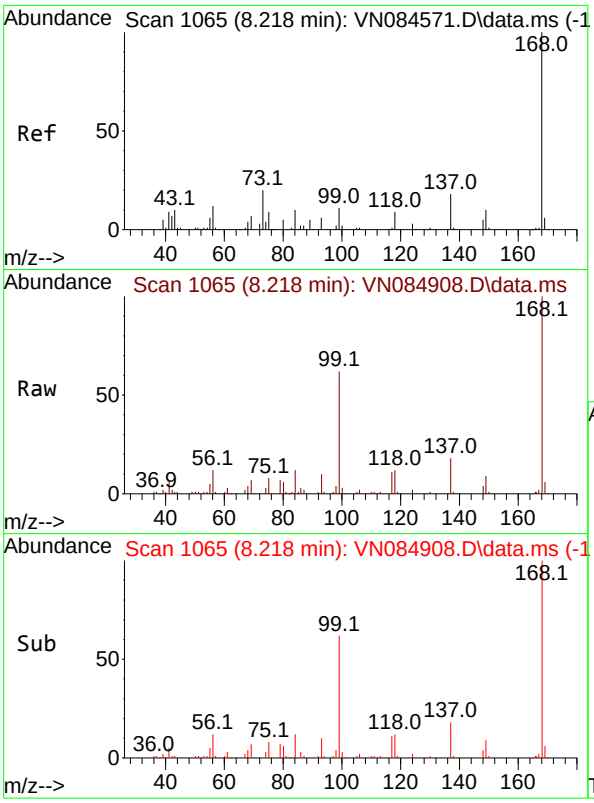
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084908.D
Acq On : 17 Nov 2024 20:25
Operator : JC\MD
Sample : P4845-07MSD
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Quant Time: Nov 18 00:27:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



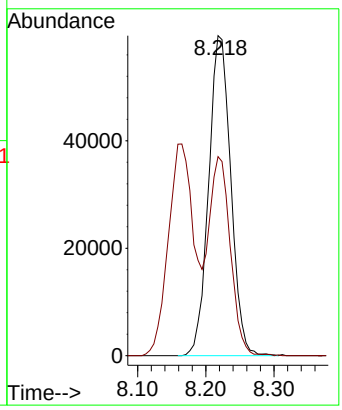


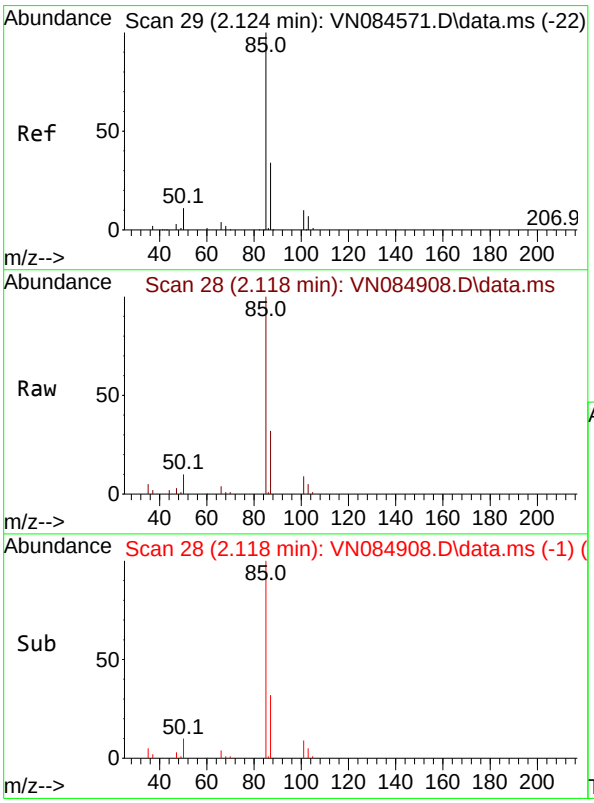
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion:168 Resp: 134585

Ion	Ratio	Lower	Upper
168	100		
99	62.0	54.2	81.2

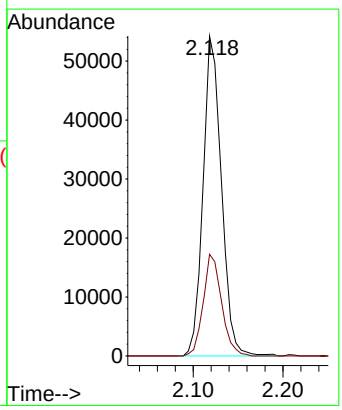


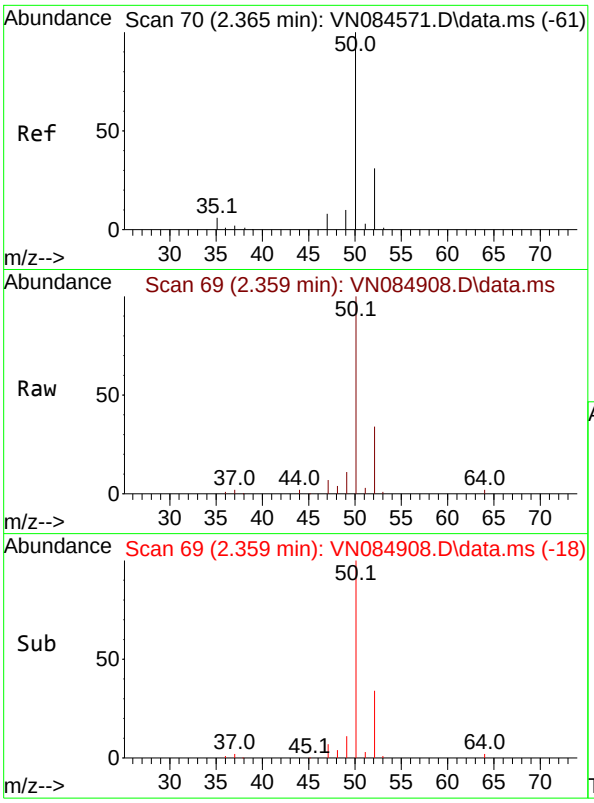


#2
Dichlorodifluoromethane
Concen: 49.895 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.006 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 85 Resp: 77196

Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.6	52.9



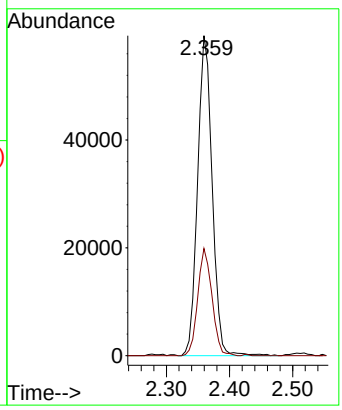


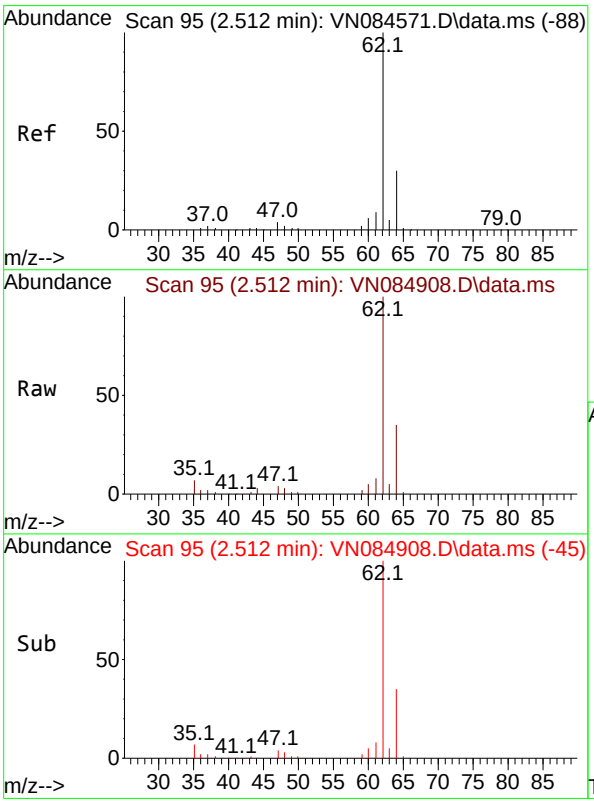
#3
Chloromethane
Concen: 52.451 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion: 50 Resp: 94997

Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.8	40.2

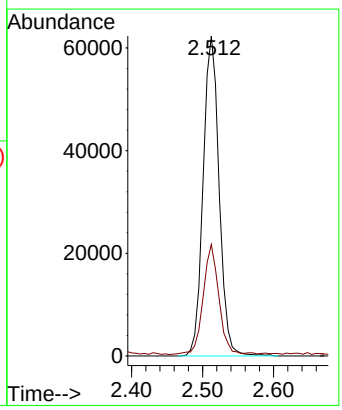


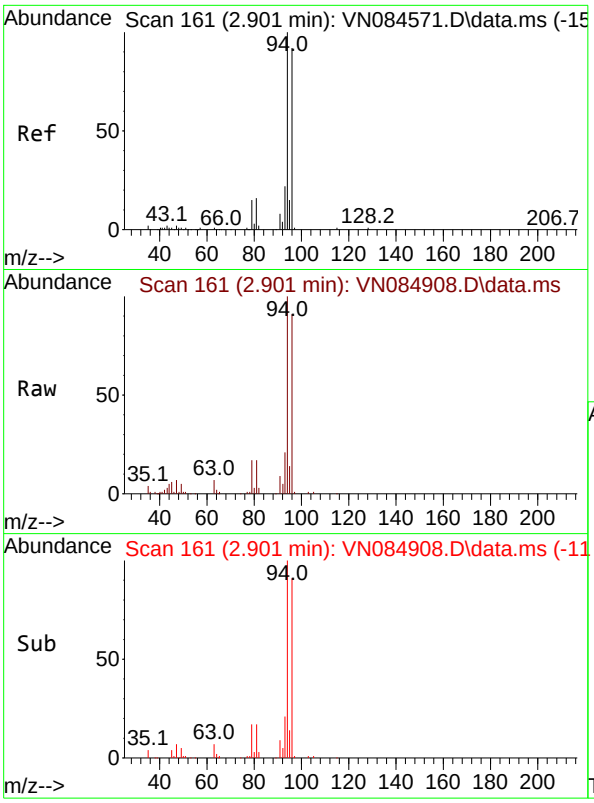


#4
Vinyl Chloride
Concen: 58.706 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 62 Resp: 97691

Ion	Ratio	Lower	Upper
62	100		
64	34.2	26.2	39.4



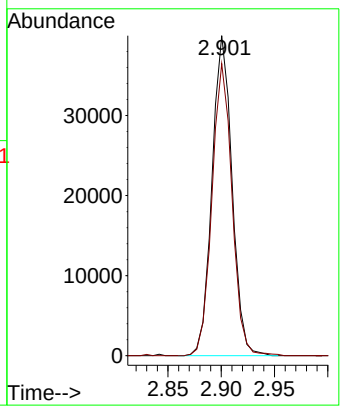


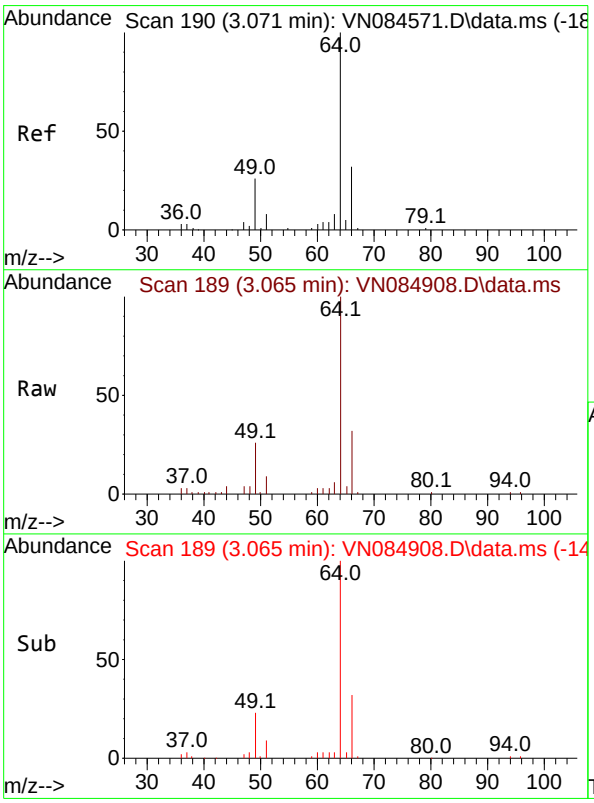
#5
Bromomethane
Concen: 59.158 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.052 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion: 94 Resp: 52158

Ion	Ratio	Lower	Upper
94	100		
96	91.2	72.9	109.3

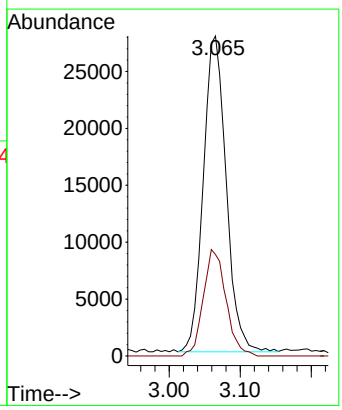


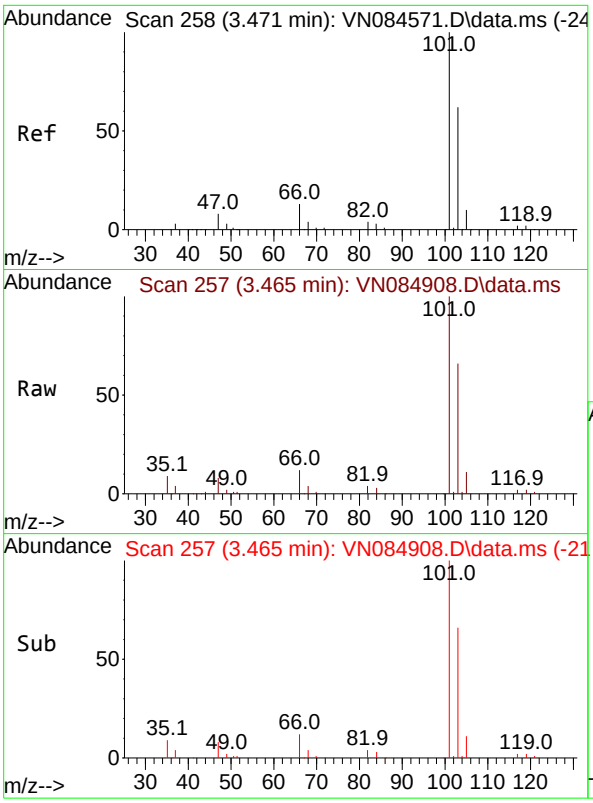


#6
Chloroethane
Concen: 60.649 ug/l
RT: 3.065 min Scan# 189
Delta R.T. -0.053 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 64 Resp: 62167

Ion	Ratio	Lower	Upper
64	100		
66	32.1	23.5	35.3



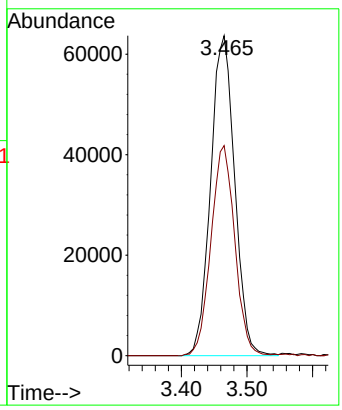


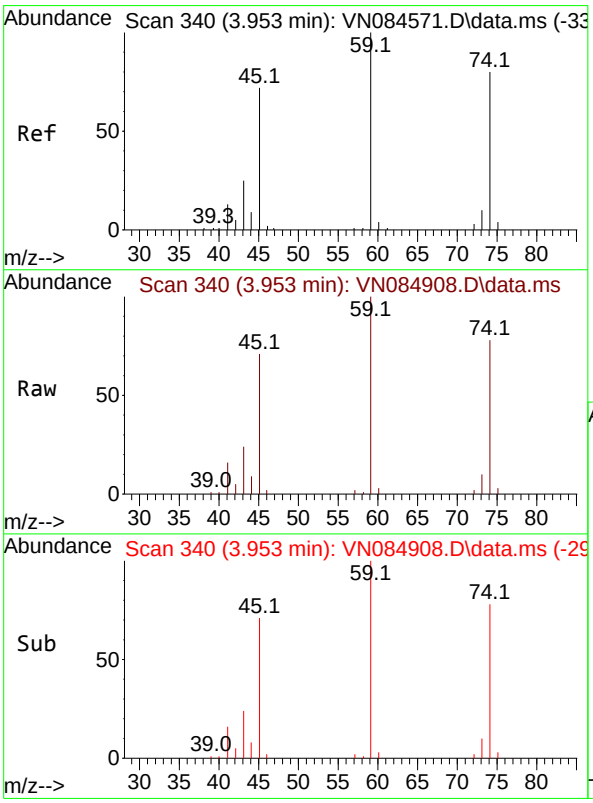
#7
Trichlorofluoromethane
Concen: 59.140 ug/l
RT: 3.465 min Scan# 2
Delta R.T. -0.030 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion:101 Resp: 162113

Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.8	77.6

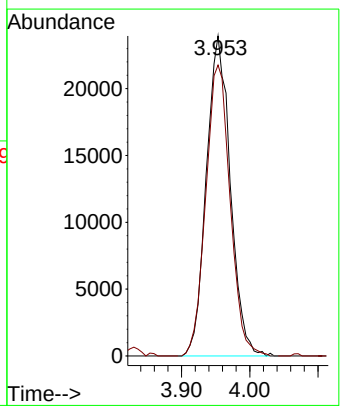


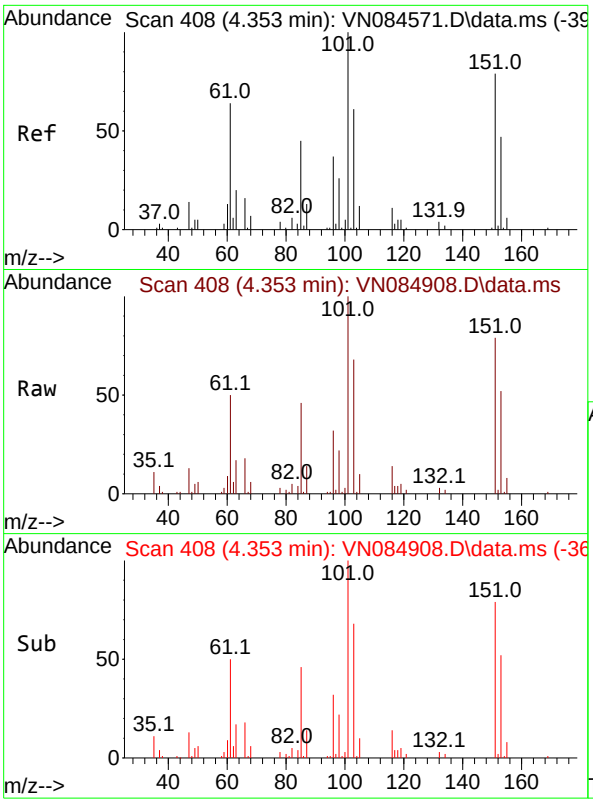


#8
Diethyl Ether
Concen: 60.654 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 74 Resp: 58651

Ion	Ratio	Lower	Upper
74	100		
45	92.3	47.7	143.1



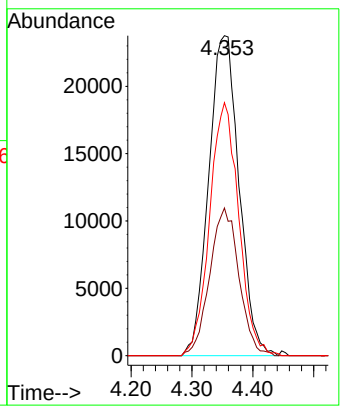


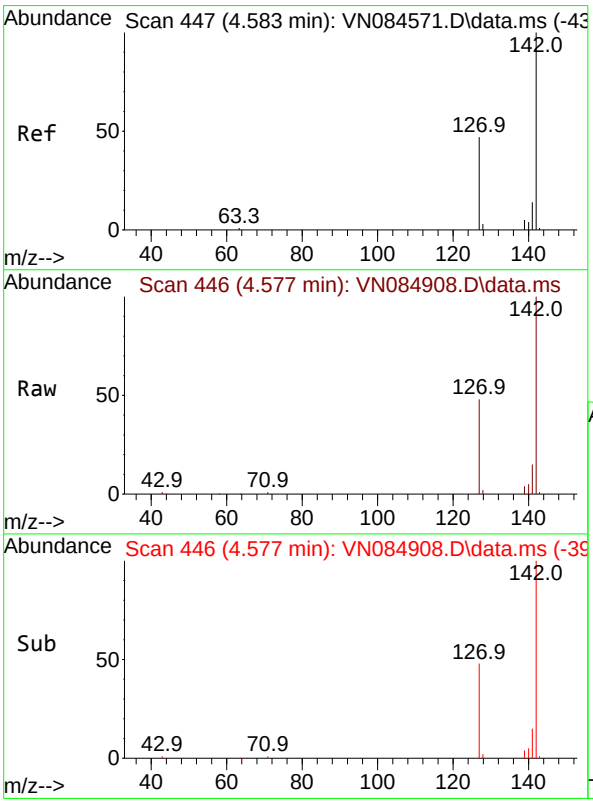
#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.073 ug/l
RT: 4.353 min Scan# 4(
Delta R.T. -0.018 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion:101 Resp: 82205

Ion	Ratio	Lower	Upper
101	100		
85	44.5	36.2	54.4
151	75.8	59.3	88.9

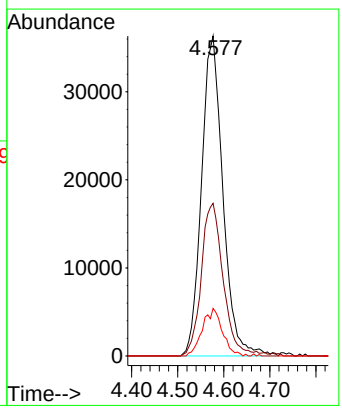


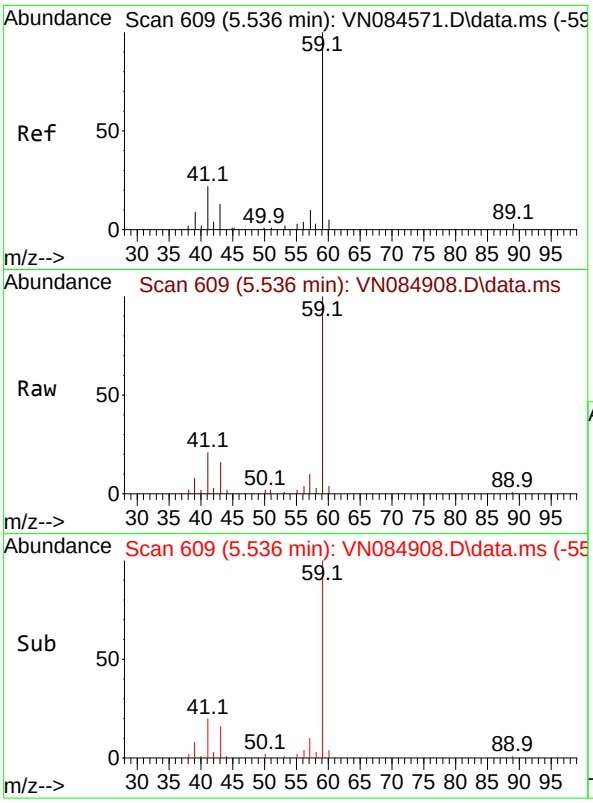


#10
Methyl Iodide
Concen: 56.757 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:142 Resp: 117493

Ion	Ratio	Lower	Upper
142	100		
127	47.7	35.3	52.9
141	14.8	11.0	16.6



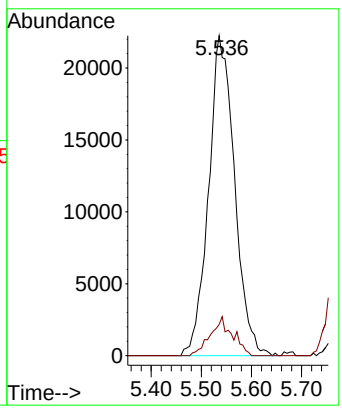


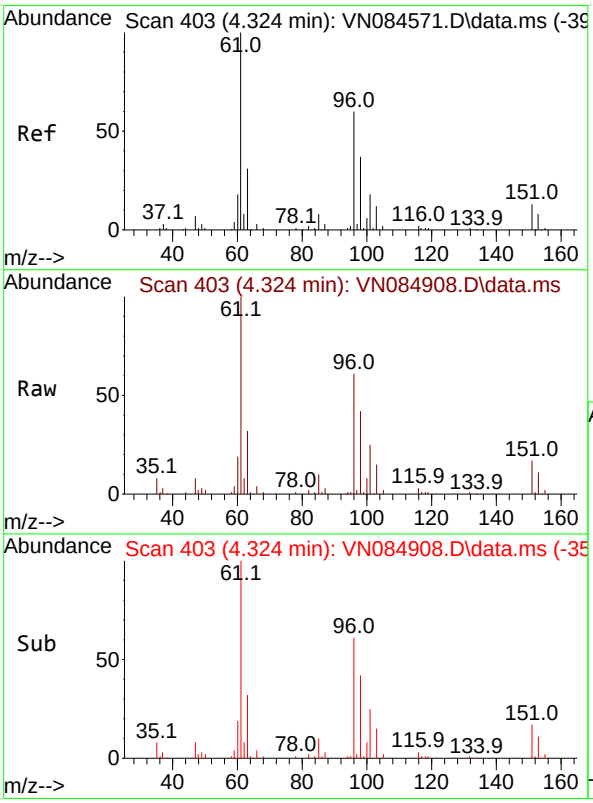
#11
Tert butyl alcohol
Concen: 312.579 ug/l
RT: 5.536 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion: 59 Resp: 80203

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2

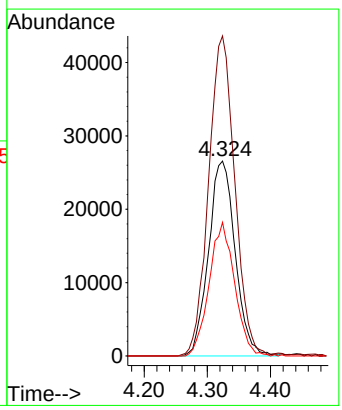


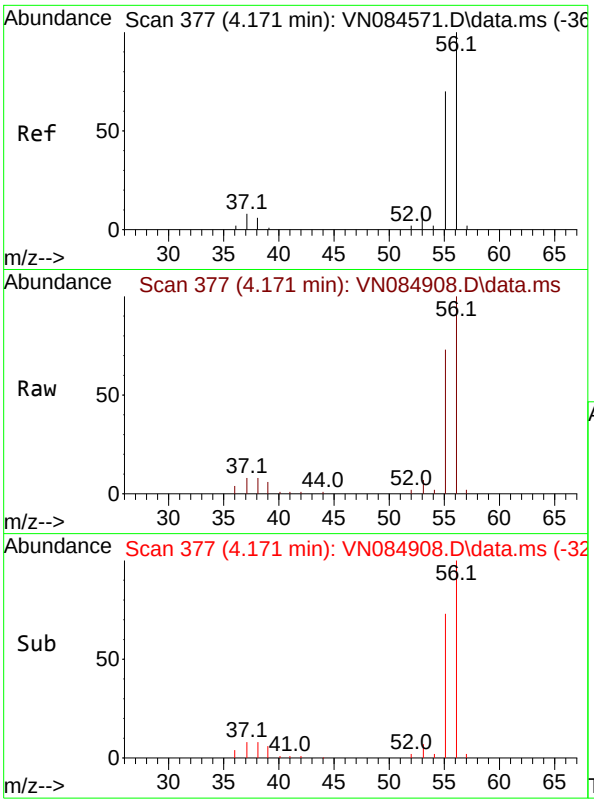


#12
1,1-Dichloroethene
Concen: 50.868 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 96 Resp: 77963

Ion	Ratio	Lower	Upper
96	100		
61	164.1	128.6	192.8
98	68.5	51.7	77.5



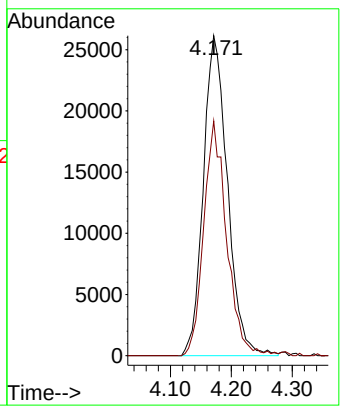


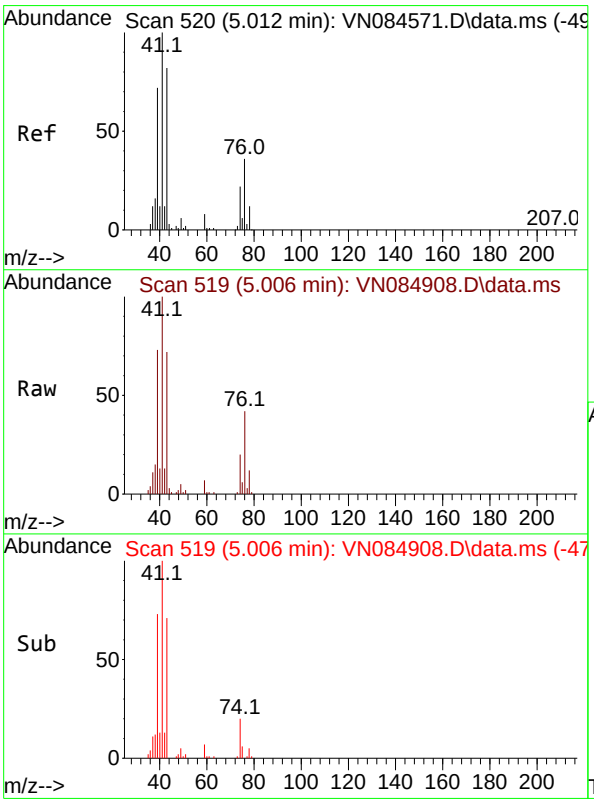
#13
Acrolein
Concen: 280.745 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion: 56 Resp: 71831

Ion	Ratio	Lower	Upper
56	100		
55	69.2	57.2	85.8

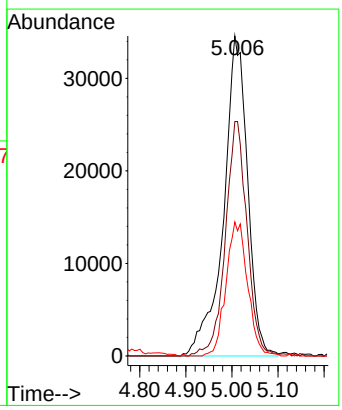


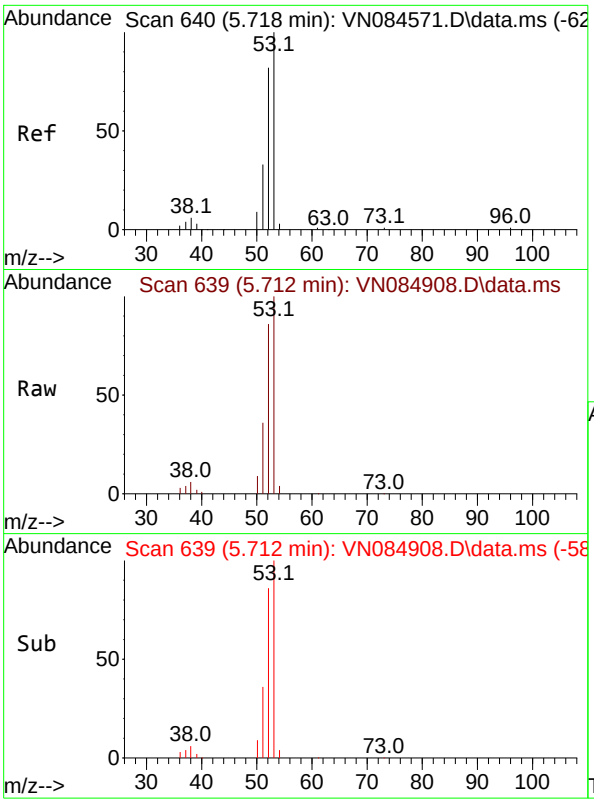


#14
Allyl chloride
Concen: 50.421 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.018 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 41 Resp: 125324

Ion	Ratio	Lower	Upper
41	100		
39	66.0	59.0	88.6
76	37.6	29.8	44.6



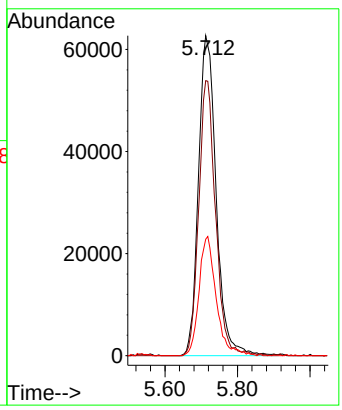


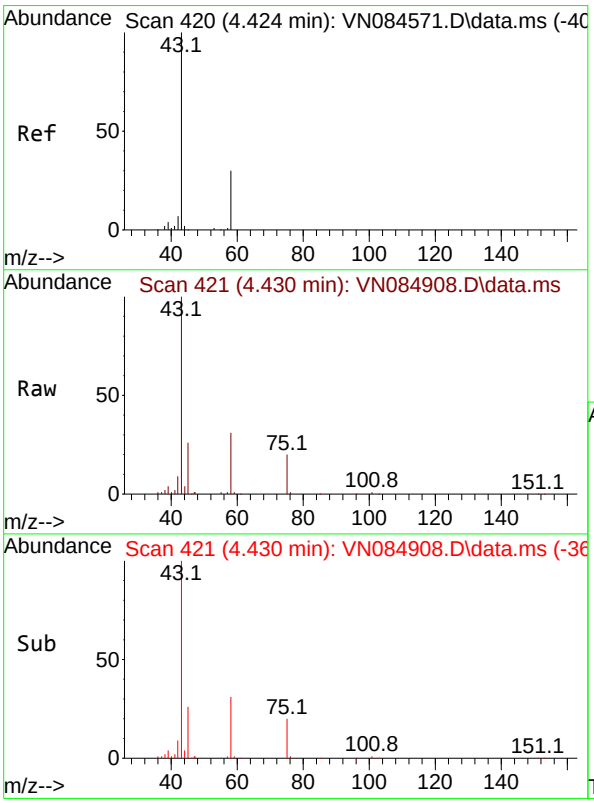
#15
Acrylonitrile
Concen: 286.360 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion: 53 Resp: 212708

Ion	Ratio	Lower	Upper
53	100		
52	81.0	66.2	99.4
51	36.2	28.8	43.2

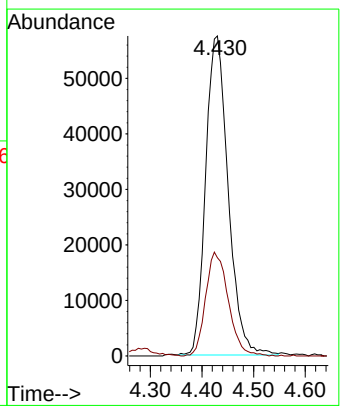


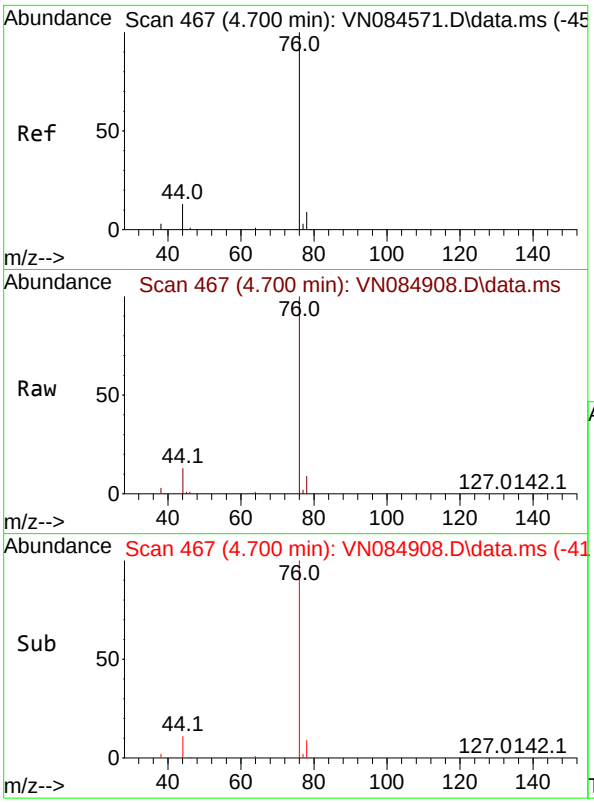


#16
Acetone
Concen: 310.122 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 43 Resp: 173751

Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.4	36.6



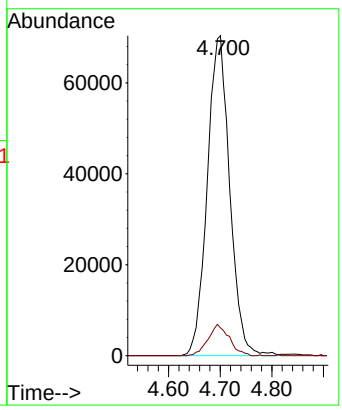


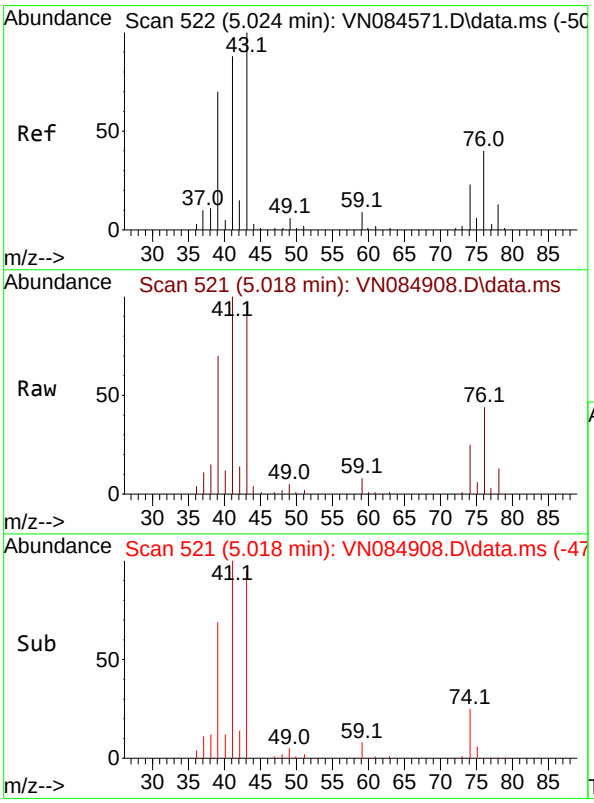
#17
Carbon Disulfide
Concen: 45.009 ug/l
RT: 4.700 min Scan# 4
Delta R.T. -0.012 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion: 76 Resp: 212436

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.3	10.9

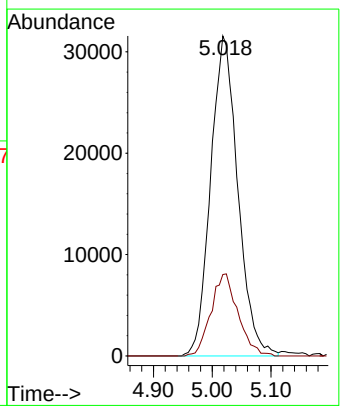


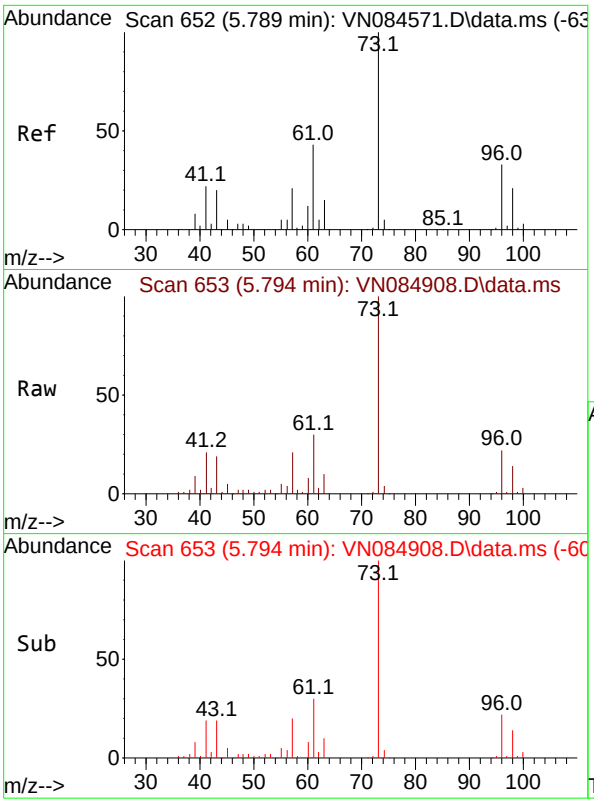


#18
Methyl Acetate
Concen: 49.340 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 43 Resp: 101310

Ion	Ratio	Lower	Upper
43	100		
74	25.5	19.2	28.8



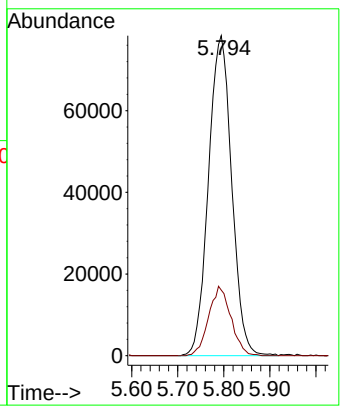


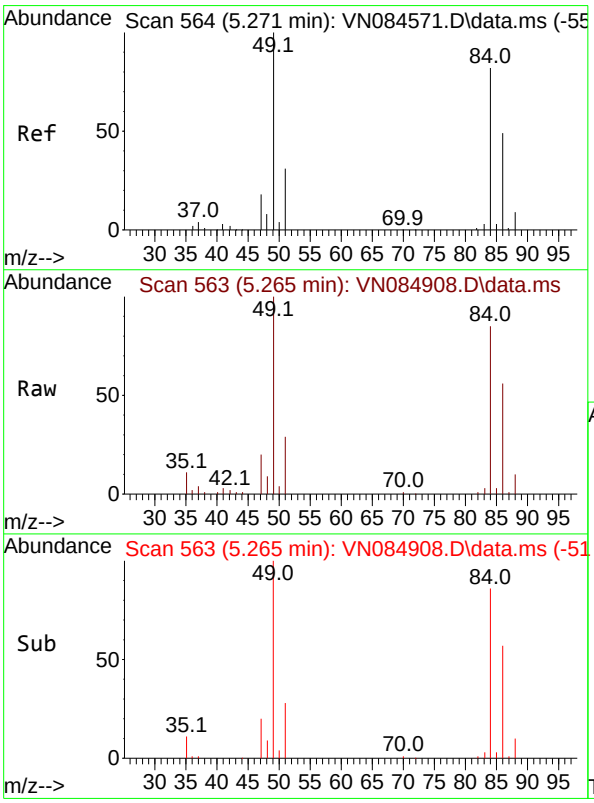
#19
Methyl tert-butyl Ether
Concen: 58.382 ug/l
RT: 5.794 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion: 73 Resp: 274256

Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.7	26.5

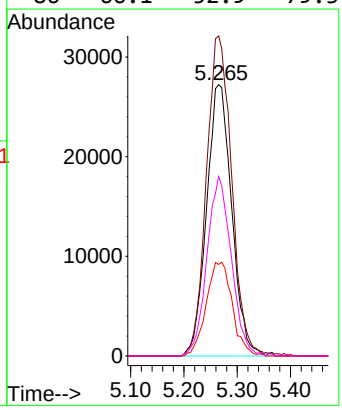


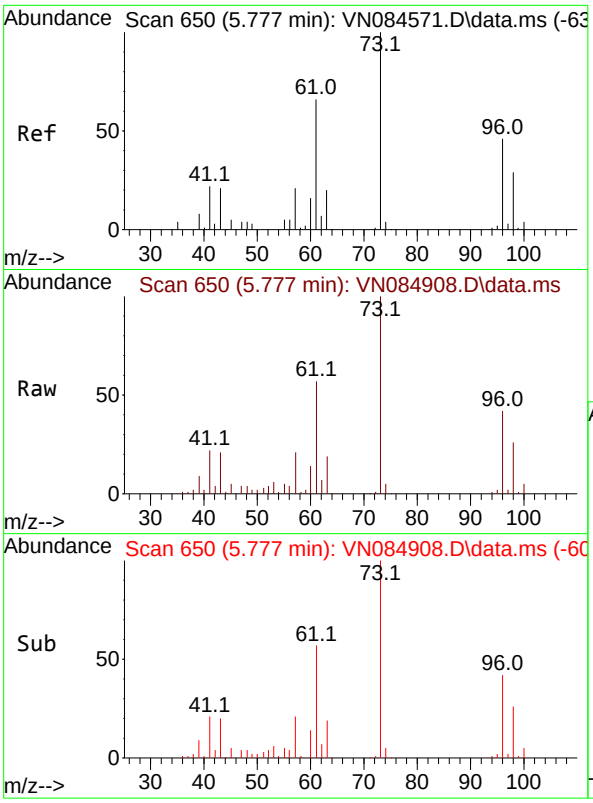


#20
Methylene Chloride
Concen: 52.251 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 84 Resp: 89331

Ion	Ratio	Lower	Upper
84	100		
49	117.9	107.2	160.8
51	33.7	31.8	47.8
86	66.1	52.9	79.3



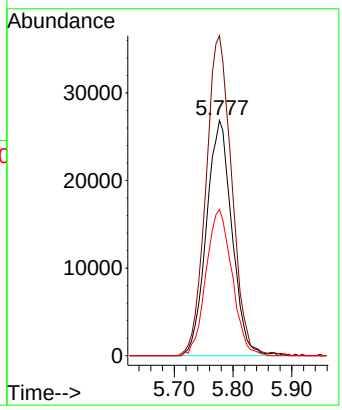


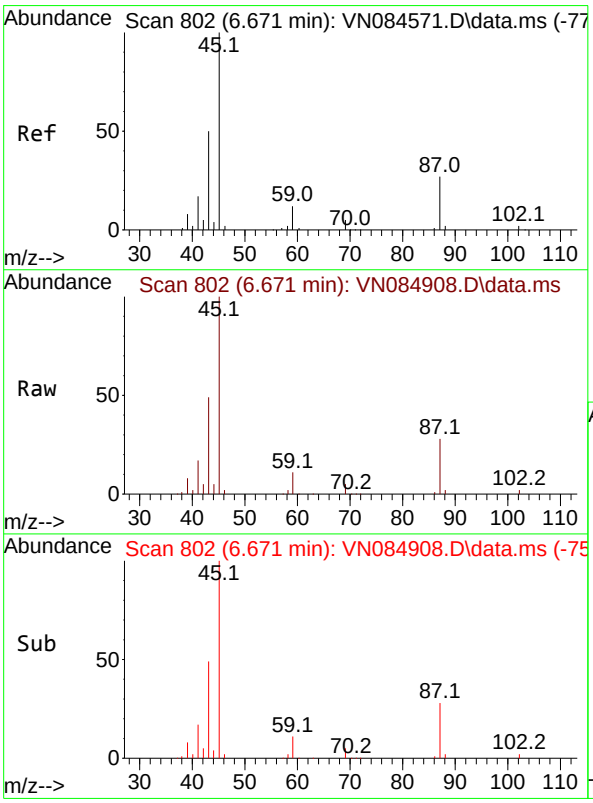
#21
trans-1,2-Dichloroethene
Concen: 51.437 ug/l
RT: 5.777 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion: 96 Resp: 80949

Ion	Ratio	Lower	Upper
96	100		
61	136.0	108.4	162.6
98	62.1	49.8	74.8

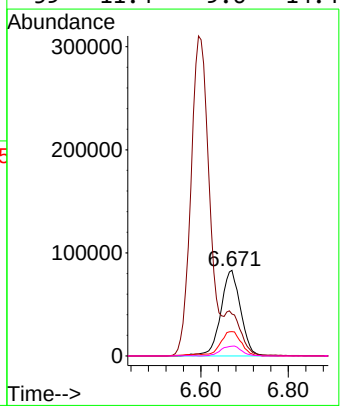


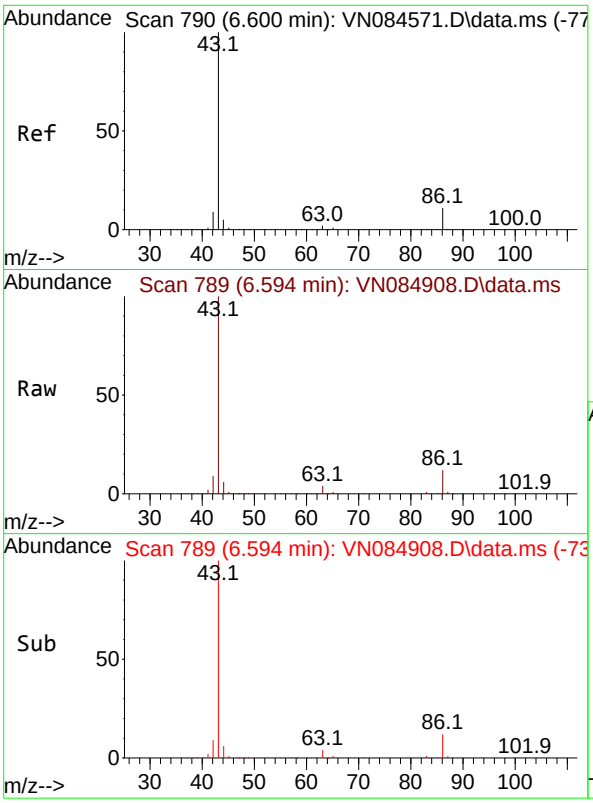


#22
Diisopropyl ether
Concen: 53.019 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 45 Resp: 261853

Ion	Ratio	Lower	Upper
45	100		
43	48.3	42.3	63.5
87	28.4	21.8	32.6
59	11.4	9.6	14.4



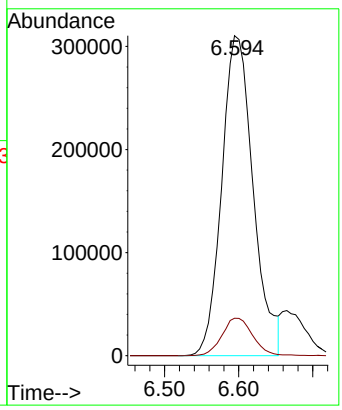


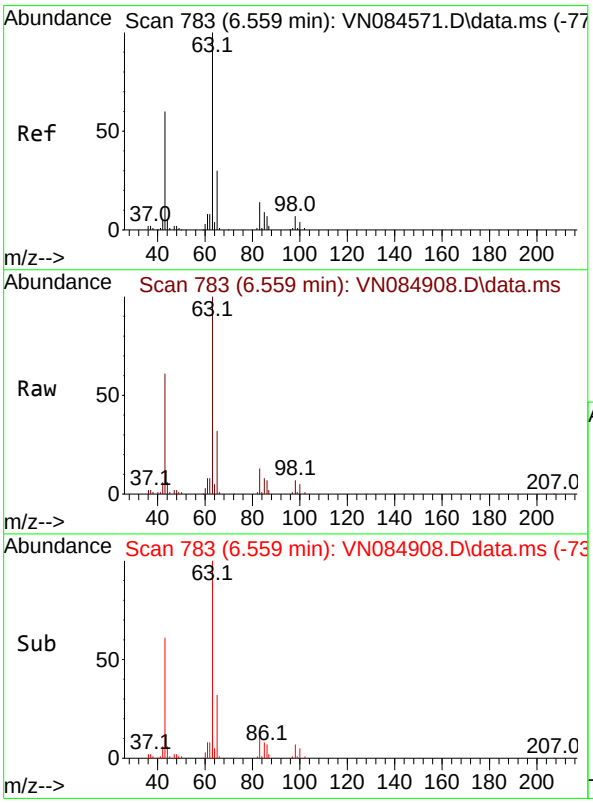
#23
Vinyl Acetate
Concen: 269.199 ug/l
RT: 6.594 min Scan# 7
Delta R.T. -0.006 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion: 43 Resp: 916858

Ion	Ratio	Lower	Upper
43	100		
86	11.7	8.6	12.8

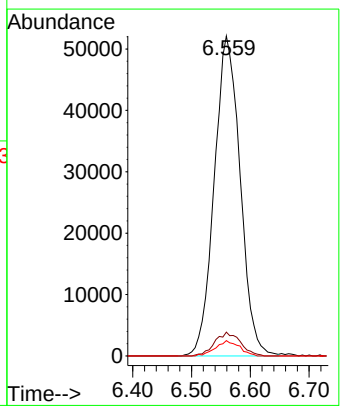


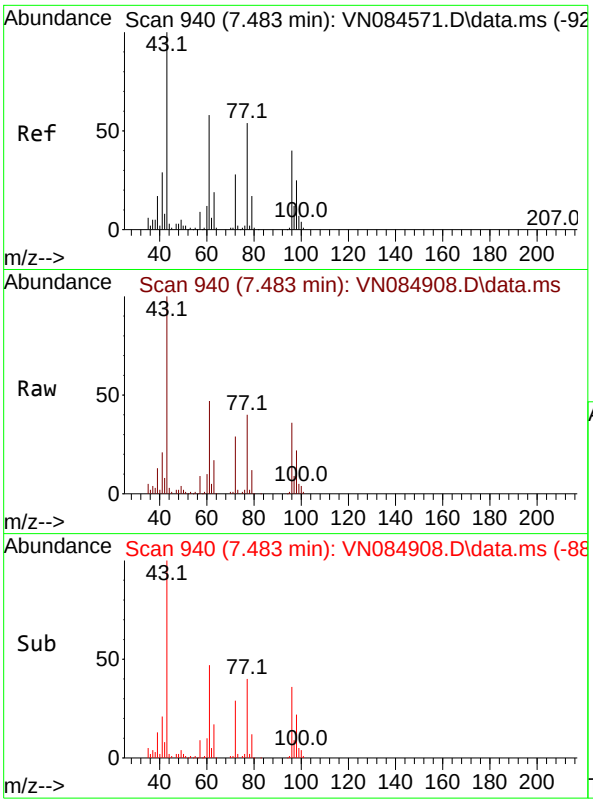


#24
1,1-Dichloroethane
Concen: 53.692 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 63 Resp: 159204

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.4	10.2
100	4.8	2.0	5.8



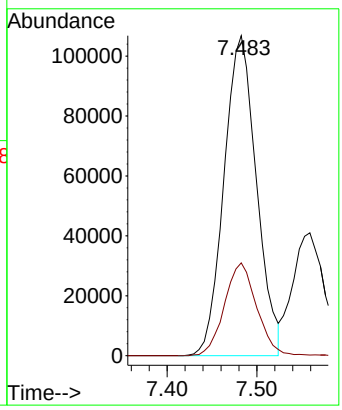


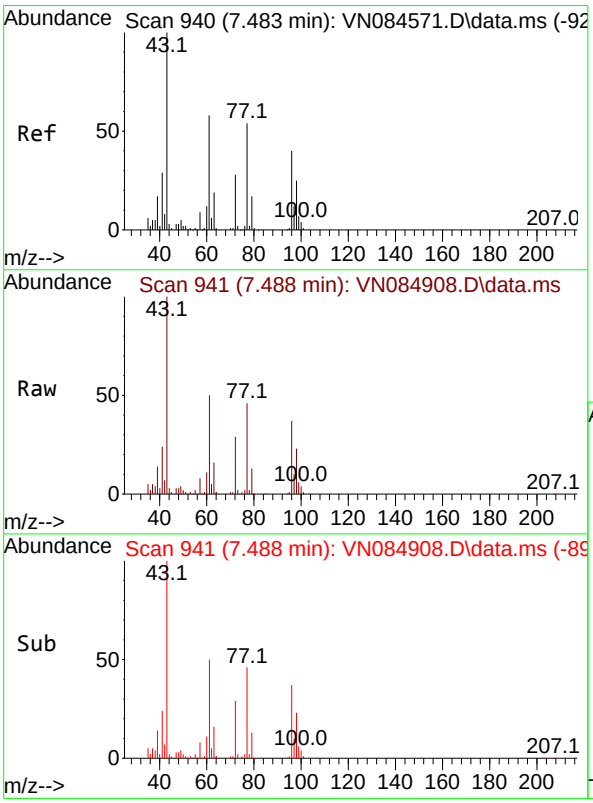
#25
2-Butanone
Concen: 296.227 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion: 43 Resp: 268641

Ion	Ratio	Lower	Upper
43	100		
72	29.0	21.4	32.2

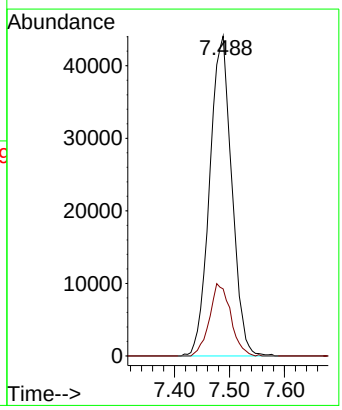


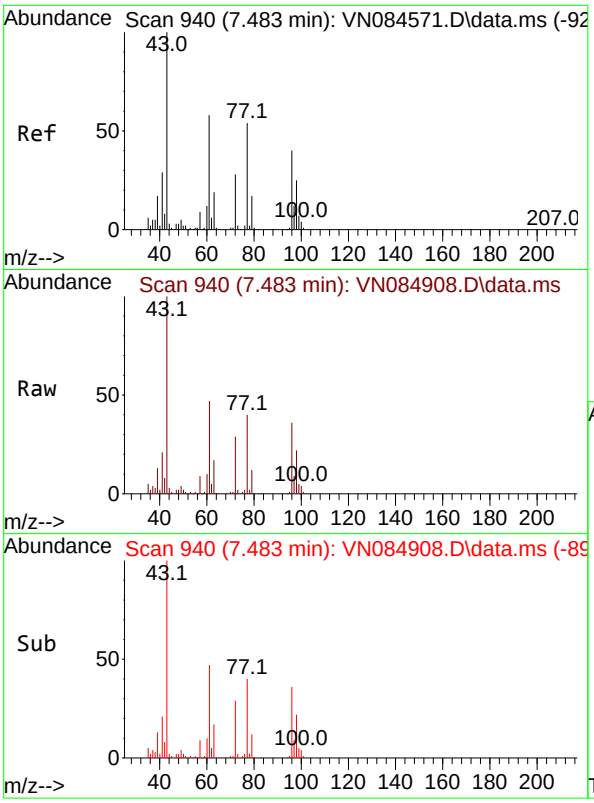


#26
2,2-Dichloropropane
Concen: 47.714 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 77 Resp: 123140

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.8	32.3



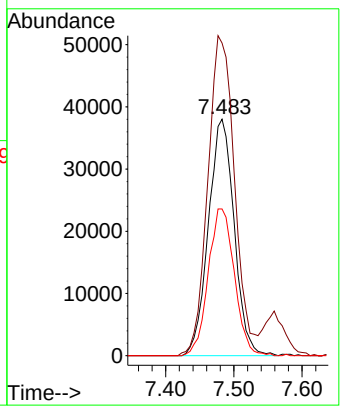


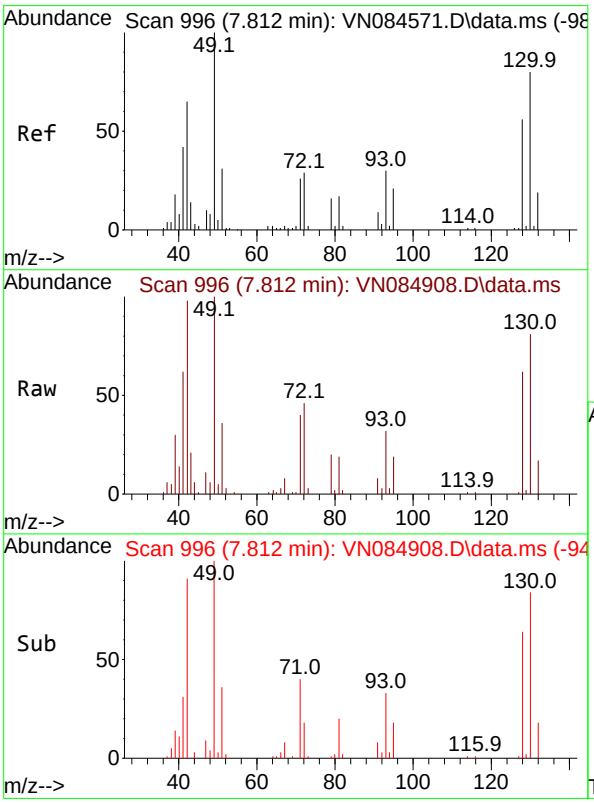
#27
cis-1,2-Dichloroethene
Concen: 54.471 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion: 96 Resp: 100096

Ion	Ratio	Lower	Upper
96	100		
61	140.6	0.0	301.8
98	63.0	0.0	128.2

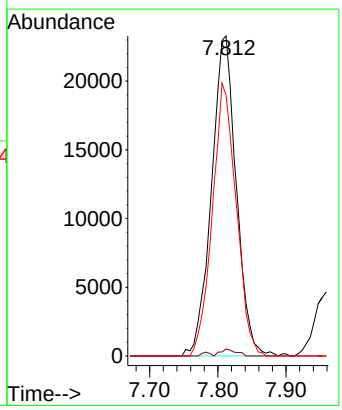


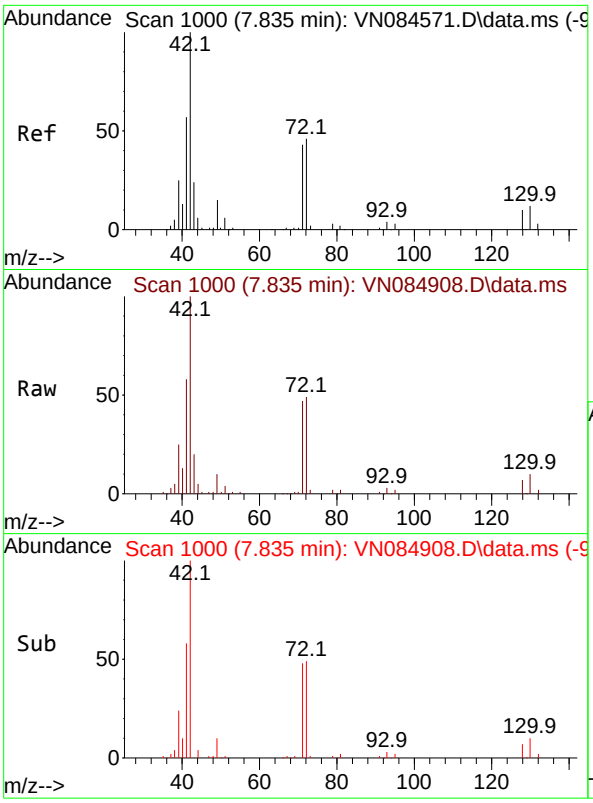


#28
Bromochloromethane
Concen: 49.861 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 49 Resp: 58903

Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.6
130	82.0	58.0	87.0



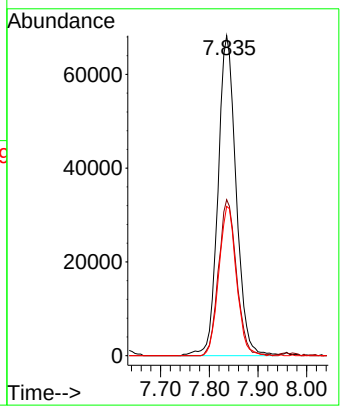


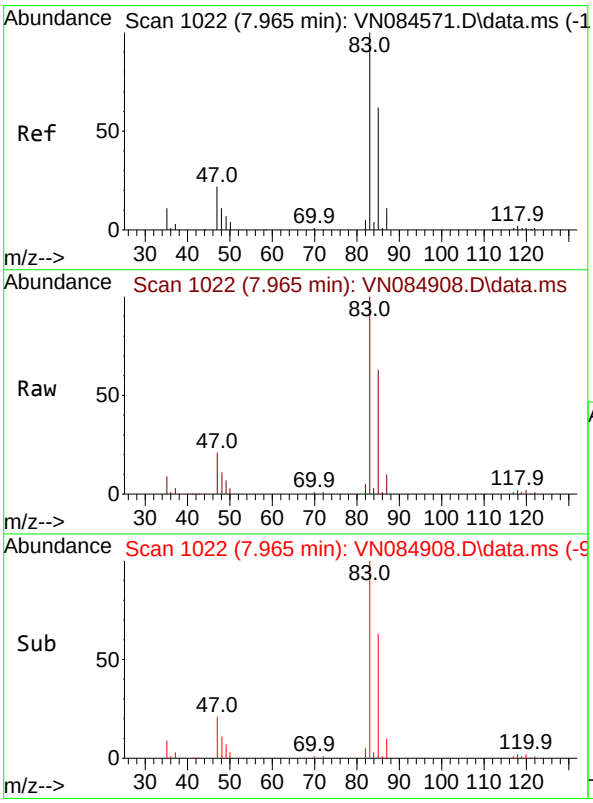
#29
Tetrahydrofuran
Concen: 293.770 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion: 42 Resp: 176742

Ion	Ratio	Lower	Upper
42	100		
72	48.3	34.6	51.8
71	45.3	32.2	48.4

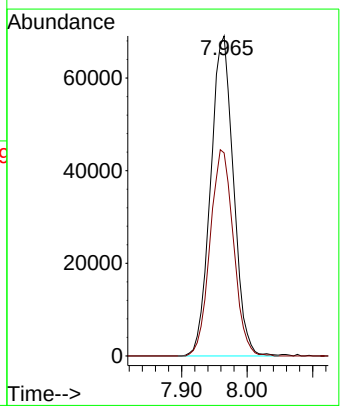


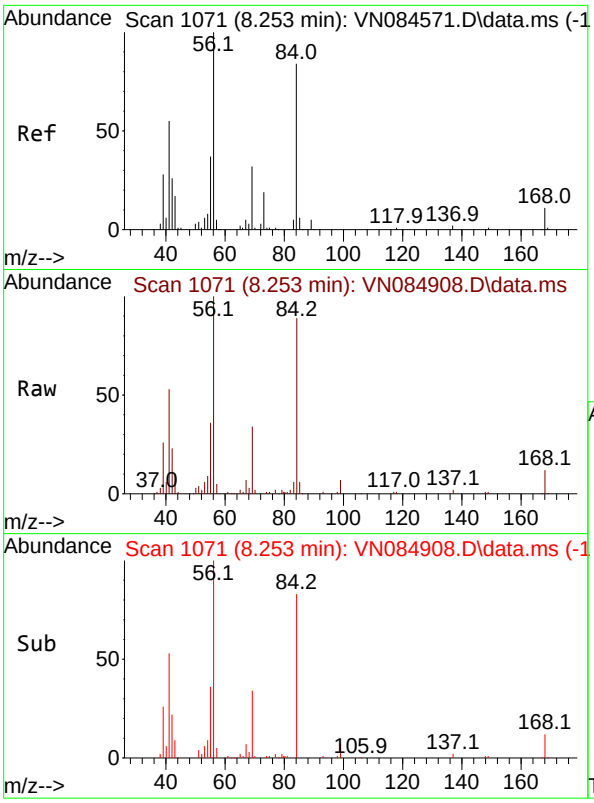


#30
Chloroform
Concen: 55.361 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 83 Resp: 167080

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.0	76.4



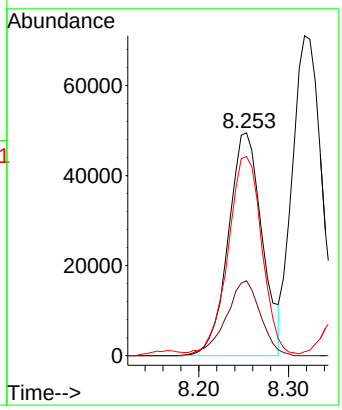


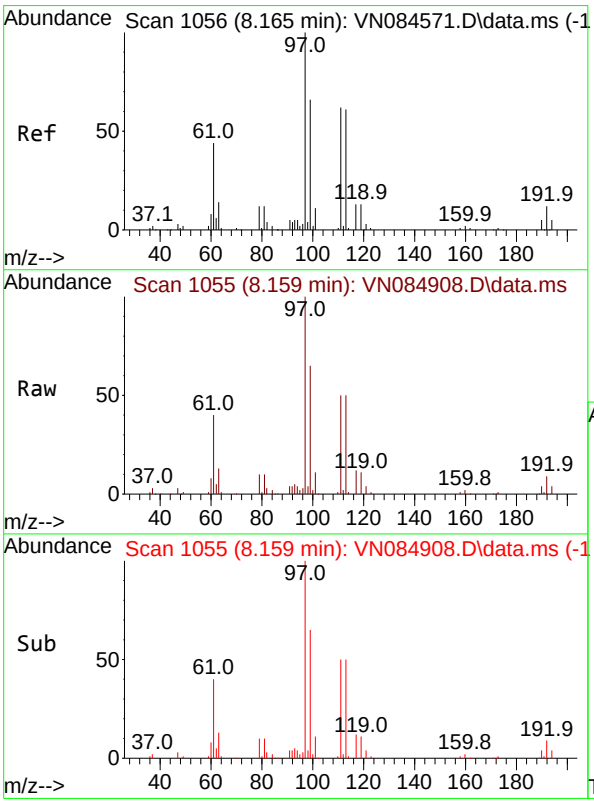
#31
Cyclohexane
Concen: 48.224 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion: 56 Resp: 129419

Ion	Ratio	Lower	Upper
56	100		
69	33.6	23.8	35.6
84	87.7	68.8	103.2

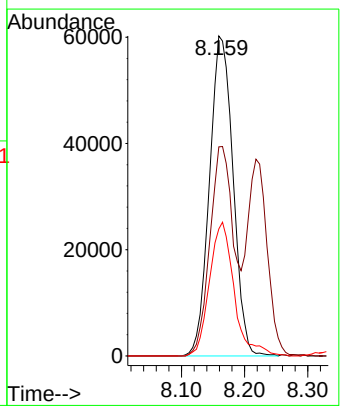


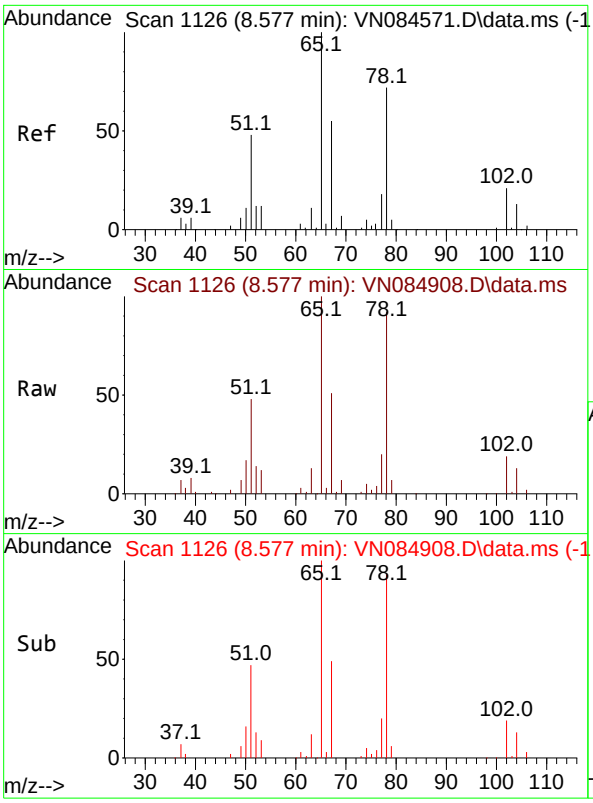


#32
1,1,1-Trichloroethane
Concen: 56.803 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.012 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 97 Resp: 156032

Ion	Ratio	Lower	Upper
97	100		
99	66.4	51.2	76.8
61	43.7	37.5	56.3



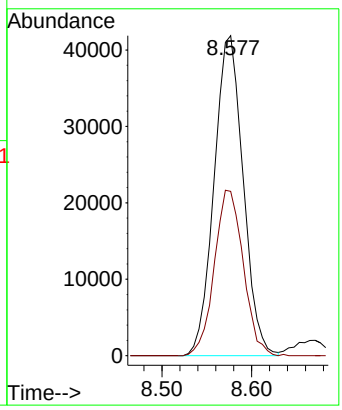


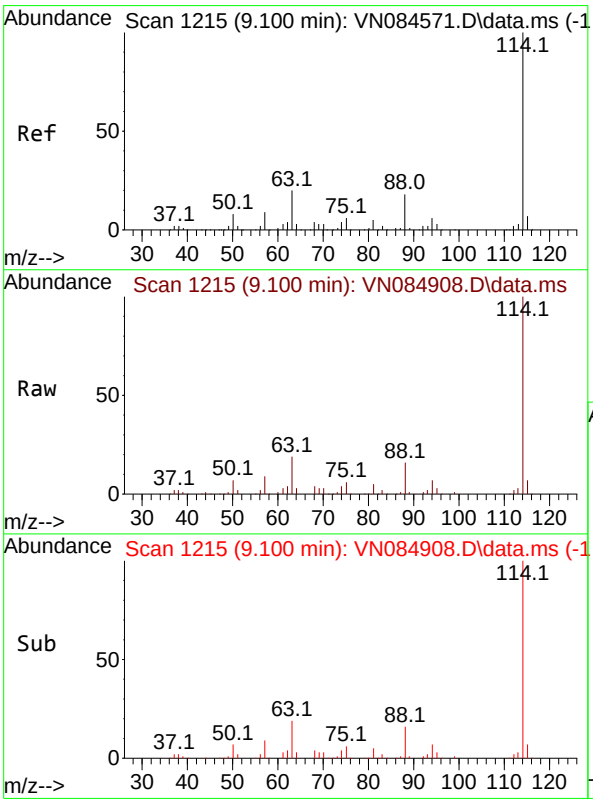
#33
1,2-Dichloroethane-d4
Concen: 48.471 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion: 65 Resp: 94220

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	102.0

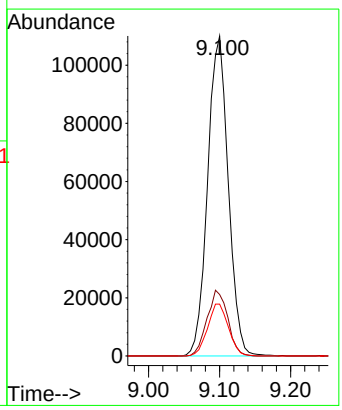


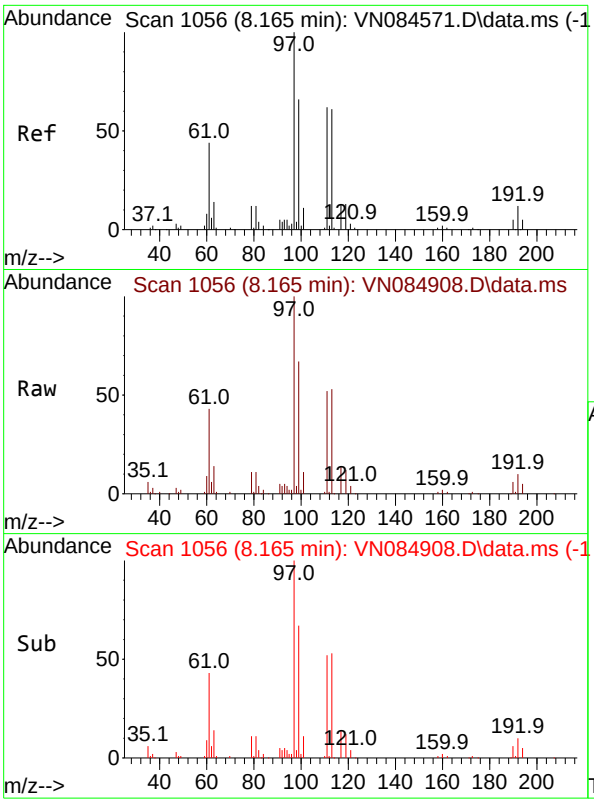


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:114 Resp: 222451

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	43.8
88	16.2	0.0	31.6



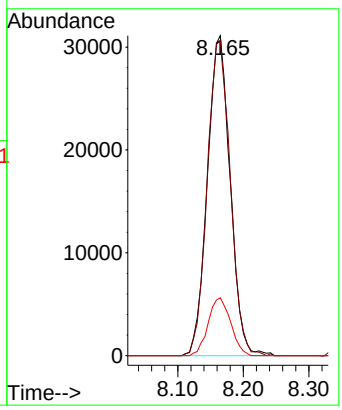


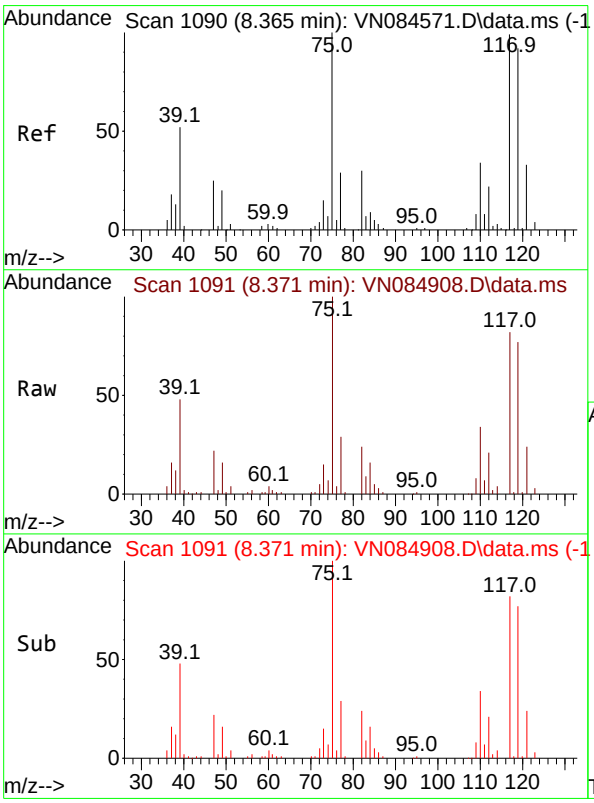
#35
Dibromofluoromethane
Concen: 49.934 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion:113 Resp: 75187

Ion	Ratio	Lower	Upper
113	100		
111	99.6	83.3	124.9
192	17.8	13.5	20.3

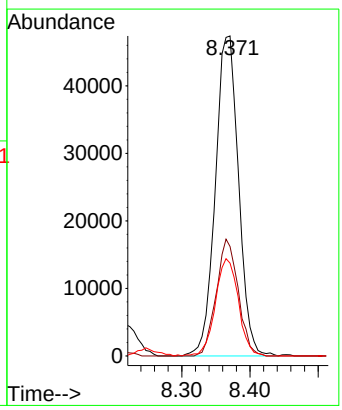


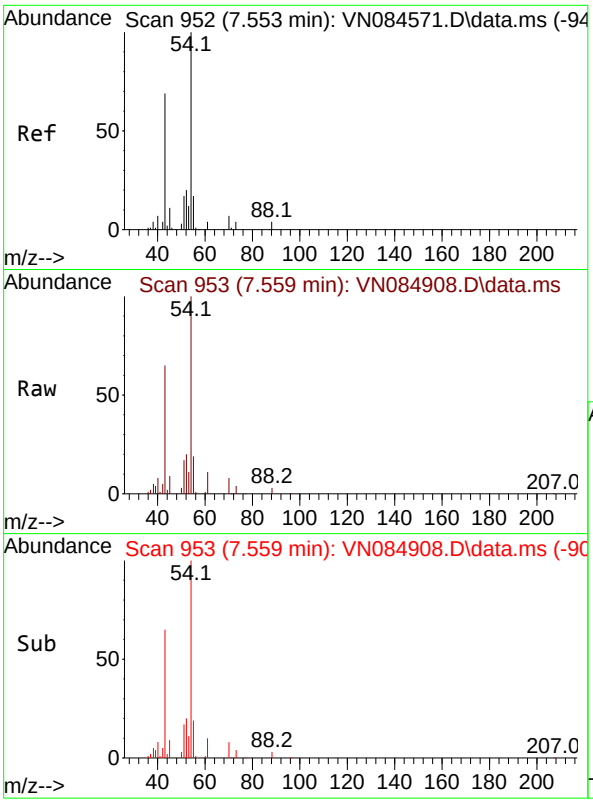


#36
1,1-Dichloropropene
Concen: 53.851 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 75 Resp: 112455

Ion	Ratio	Lower	Upper
75	100		
110	34.5	16.9	50.7
77	30.2	24.7	37.1



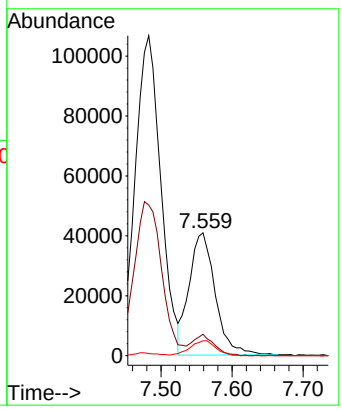


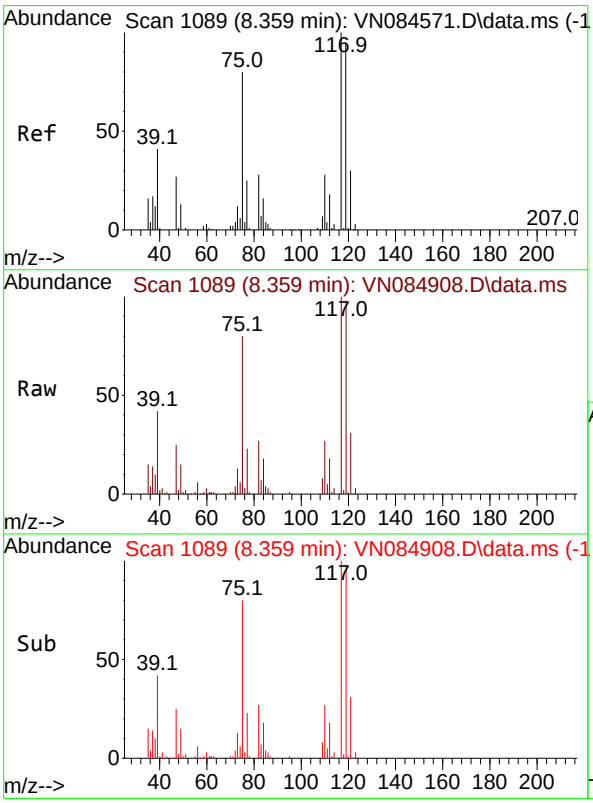
#37
Ethyl Acetate
Concen: 55.202 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion: 43 Resp: 104589

Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.7	16.1
70	12.0	8.8	13.2

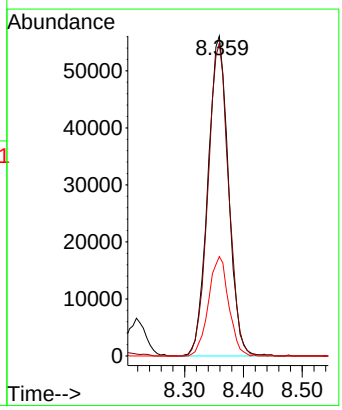


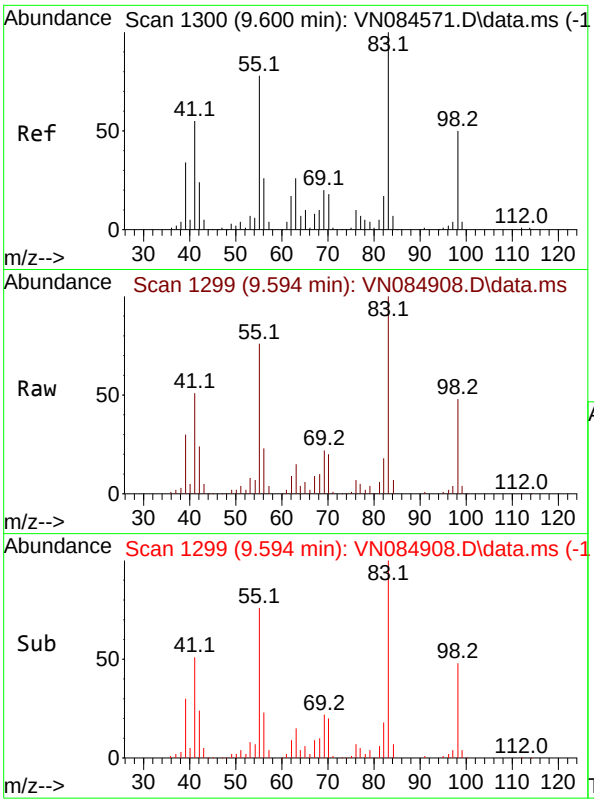


#38
Carbon Tetrachloride
Concen: 58.330 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:117 Resp: 136149

Ion	Ratio	Lower	Upper
117	100		
119	97.7	78.7	118.1
121	31.1	24.4	36.6



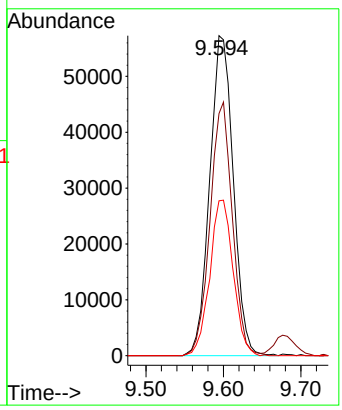


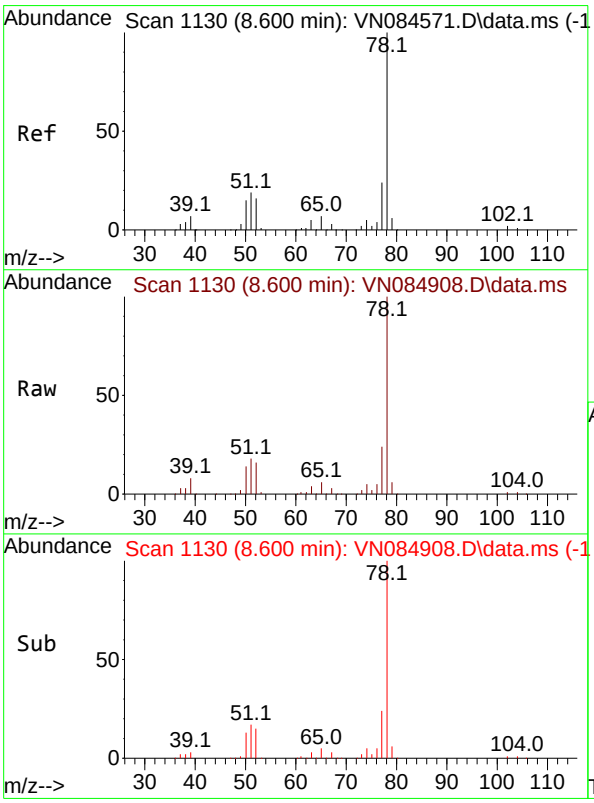
#39
Methylcyclohexane
Concen: 56.944 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion: 83 Resp: 120973

Ion	Ratio	Lower	Upper
83	100		
55	75.7	62.8	94.2
98	48.4	38.8	58.2

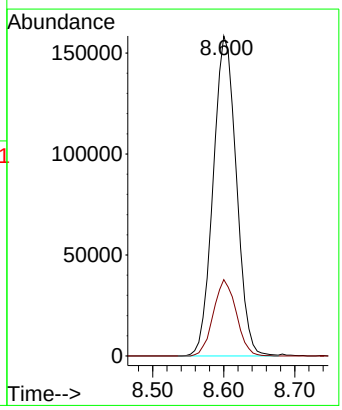


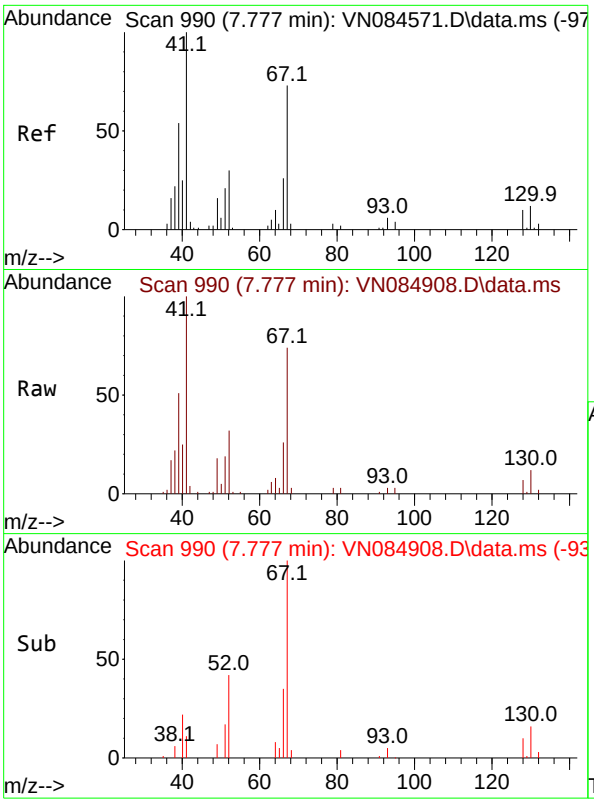


#40
Benzene
Concen: 53.549 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 78 Resp: 359117

Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7



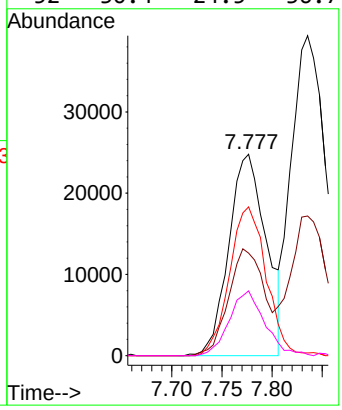


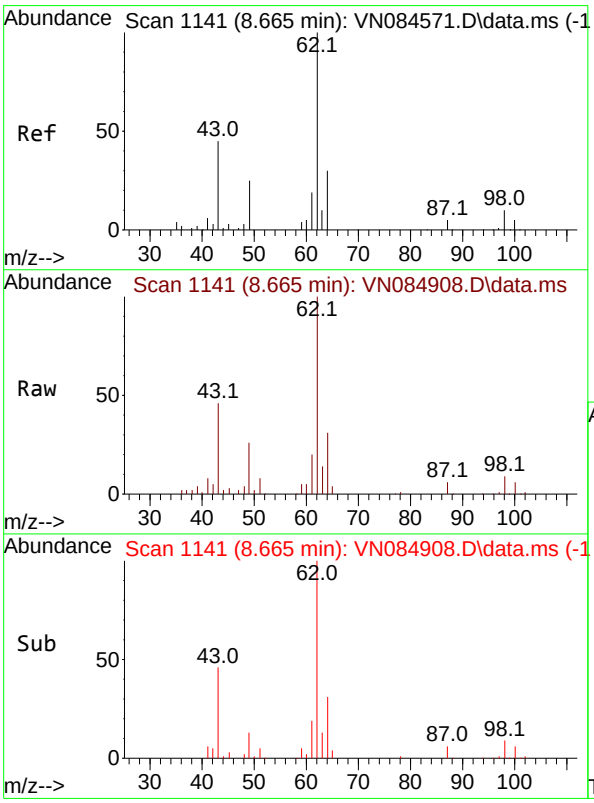
#41
Methacrylonitrile
Concen: 63.136 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion: 41 Resp: 64327

Ion	Ratio	Lower	Upper
41	100		
39	50.0	43.3	64.9
67	72.8	56.1	84.1
52	30.4	24.5	36.7

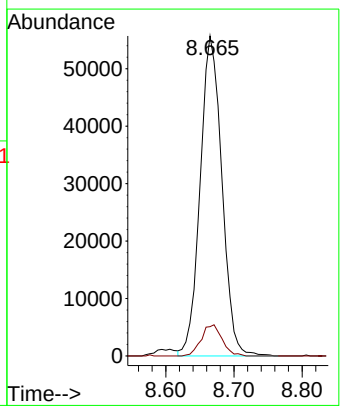


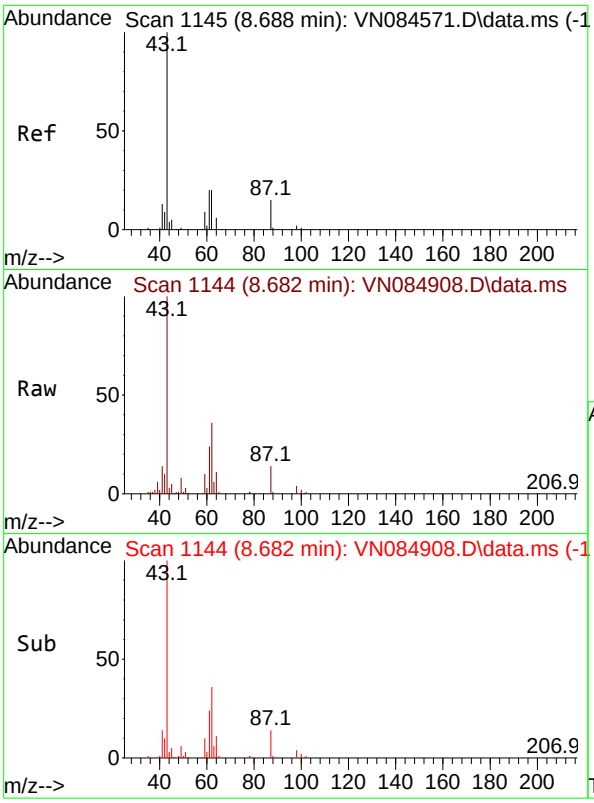


#42
1,2-Dichloroethane
Concen: 56.972 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 62 Resp: 123737

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2



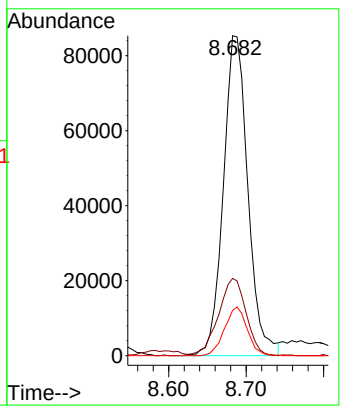


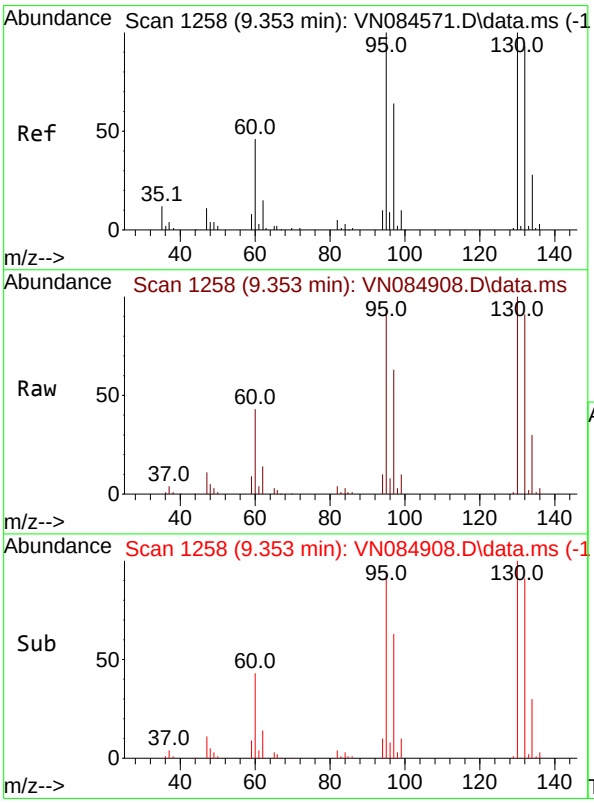
#43
Isopropyl Acetate
Concen: 53.928 ug/l
RT: 8.682 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion: 43 Resp: 188497

Ion	Ratio	Lower	Upper
43	100		
61	27.1	20.4	30.6
87	14.0	10.3	15.5

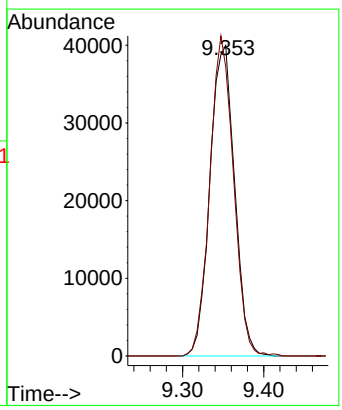


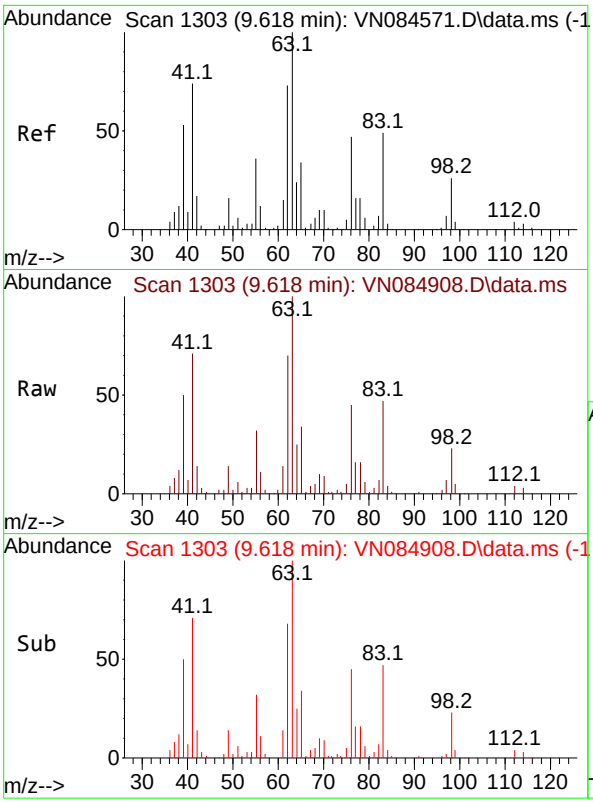


#44
Trichloroethene
Concen: 54.608 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:130 Resp: 84459

Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	203.0



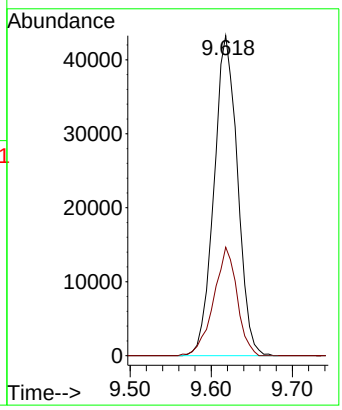


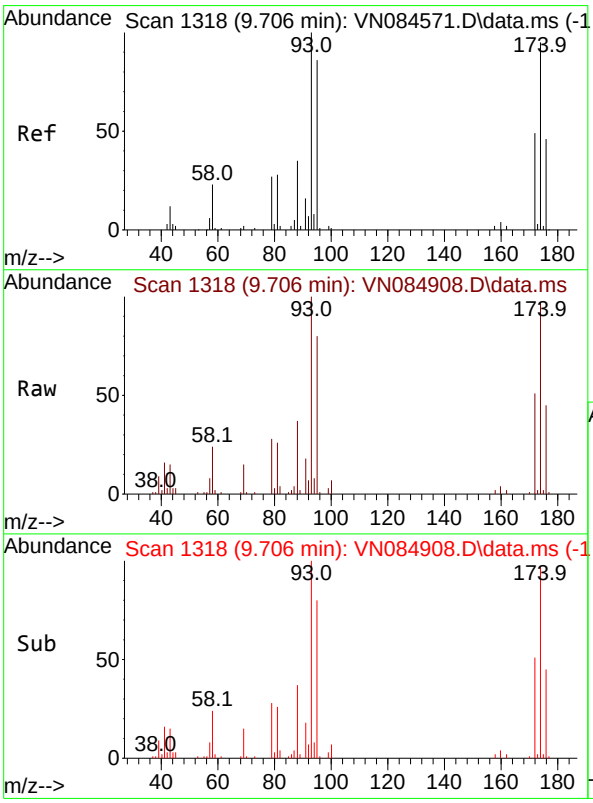
#45
1,2-Dichloropropane
Concen: 55.280 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion: 63 Resp: 86965

Ion	Ratio	Lower	Upper
63	100		
65	33.9	24.6	37.0

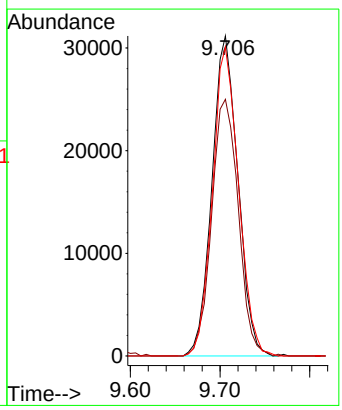


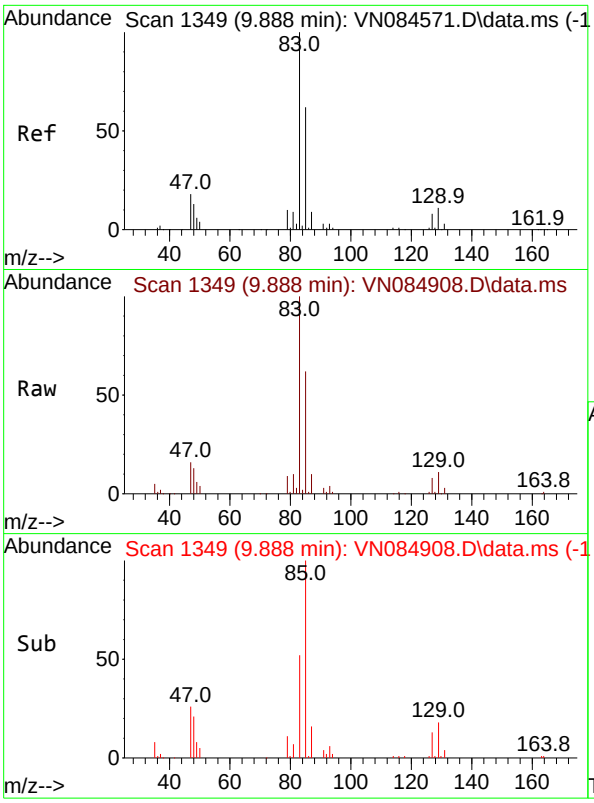


#46
Dibromomethane
Concen: 56.393 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 93 Resp: 62601

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.0	97.4
174	97.0	71.8	107.8



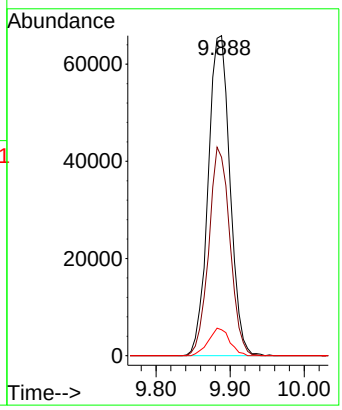


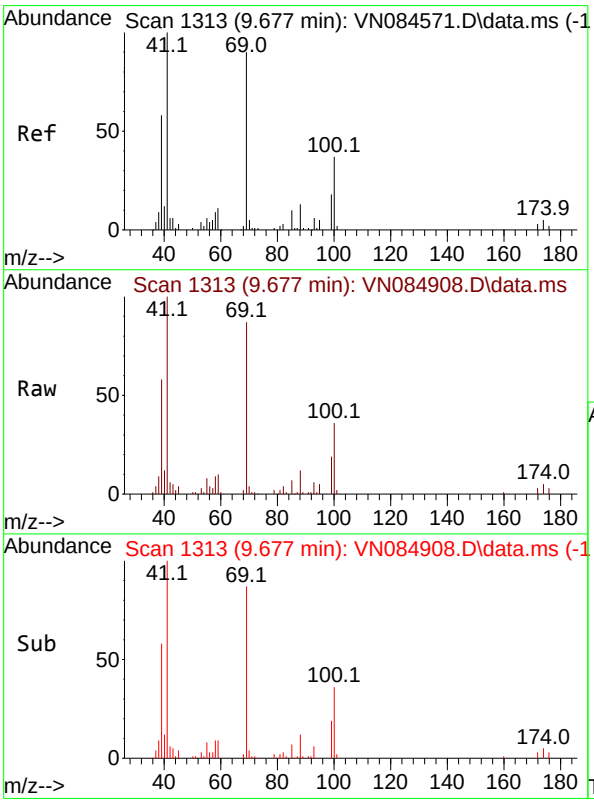
#47
Bromodichloromethane
Concen: 57.565 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion: 83 Resp: 134701

Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.5	77.3
127	8.1	5.7	8.5

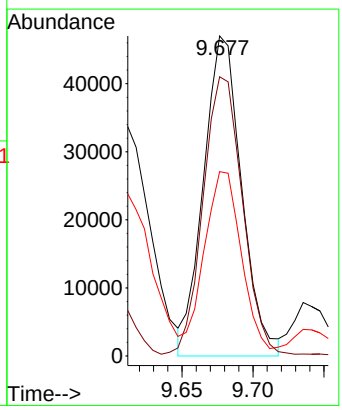


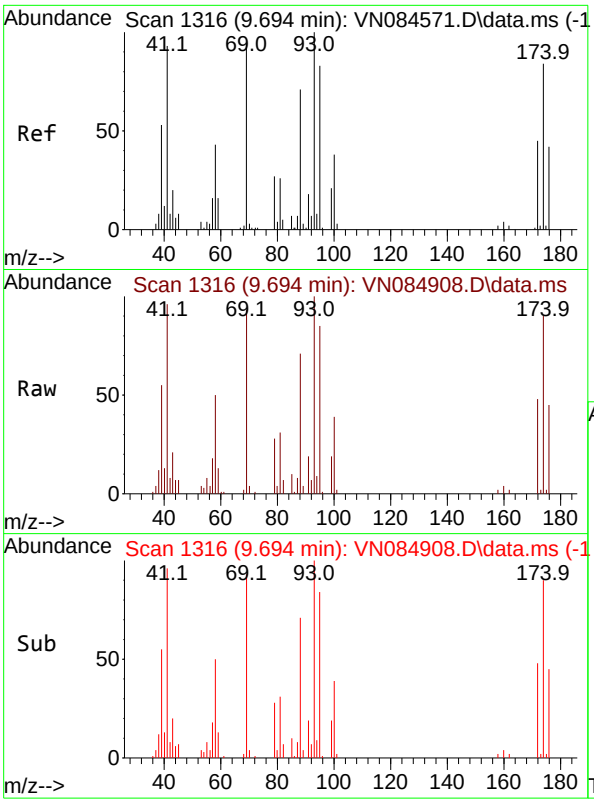


#48
Methyl methacrylate
Concen: 59.556 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 41 Resp: 87819

Ion	Ratio	Lower	Upper
41	100		
69	90.8	67.1	100.7
39	57.0	45.8	68.6



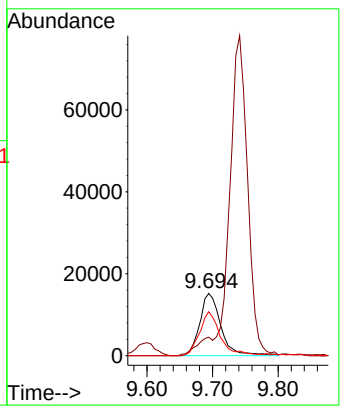


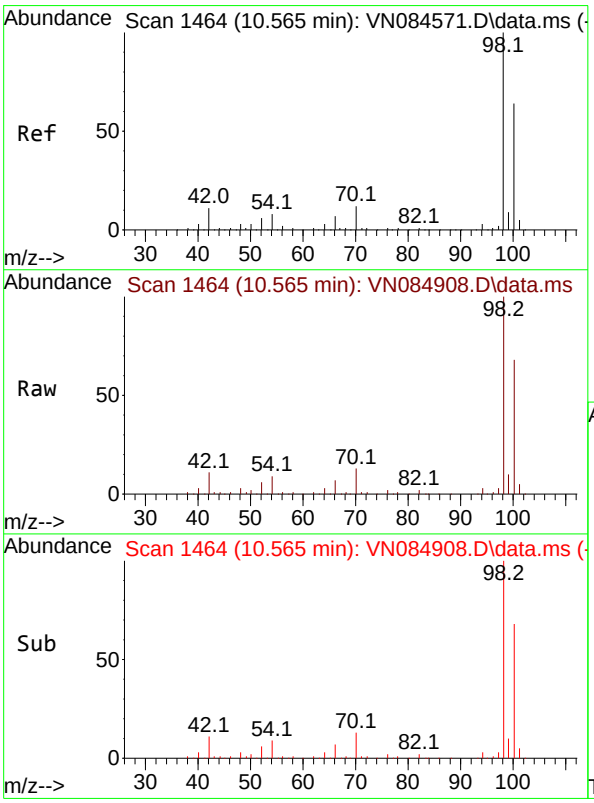
#49
1,4-Dioxane
Concen: 1307.072 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion: 88 Resp: 34154

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	69.5	56.4	84.6

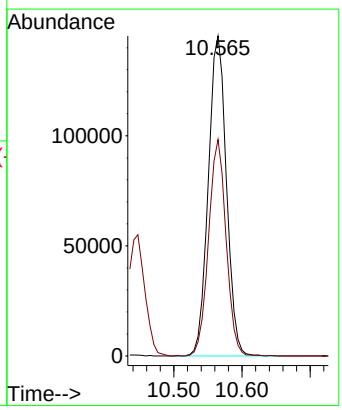


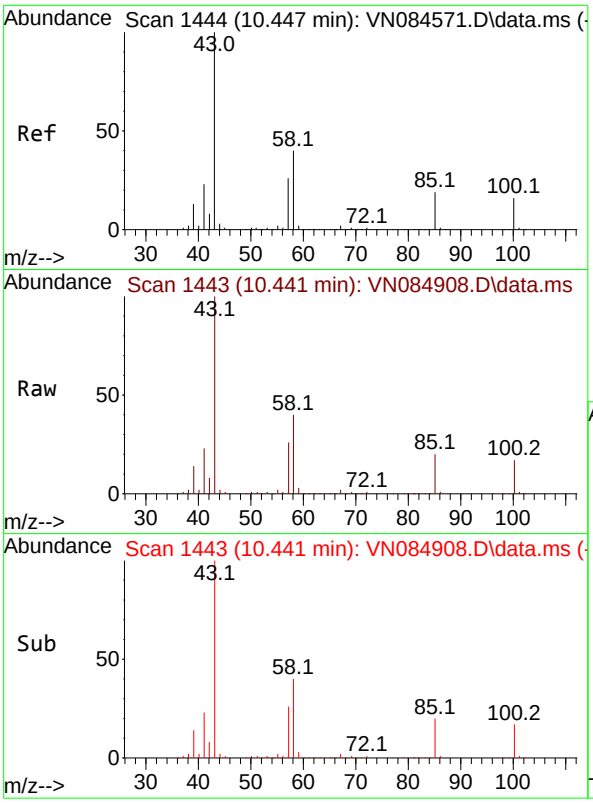


#50
Toluene-d8
Concen: 48.478 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 98 Resp: 268888

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1



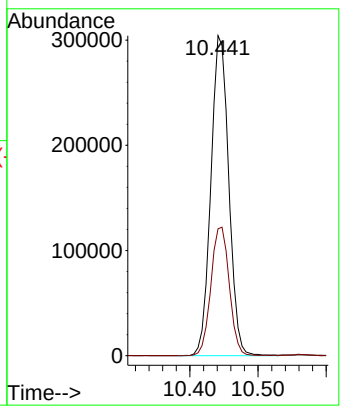


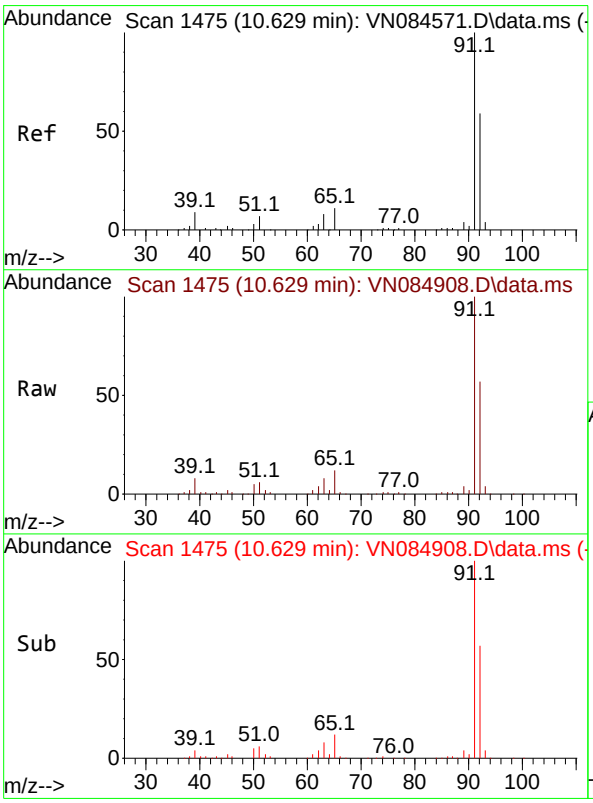
#51
4-Methyl-2-Pentanone
Concen: 307.615 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion: 43 Resp: 555608

Ion	Ratio	Lower	Upper
43	100		
58	41.3	31.6	47.4

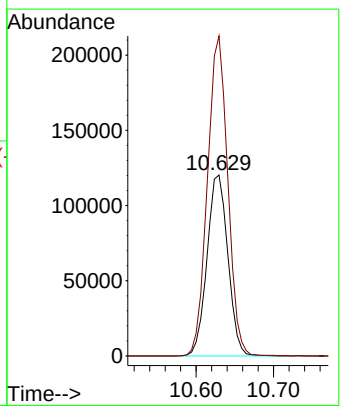


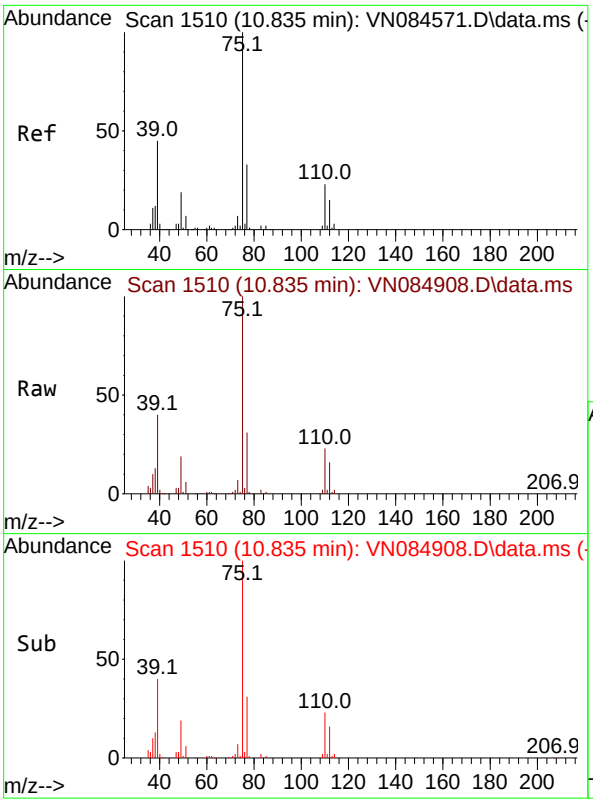


#52
Toluene
Concen: 57.373 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 92 Resp: 225028

Ion	Ratio	Lower	Upper
92	100		
91	172.6	137.3	205.9



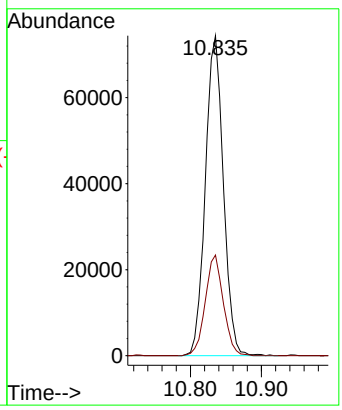


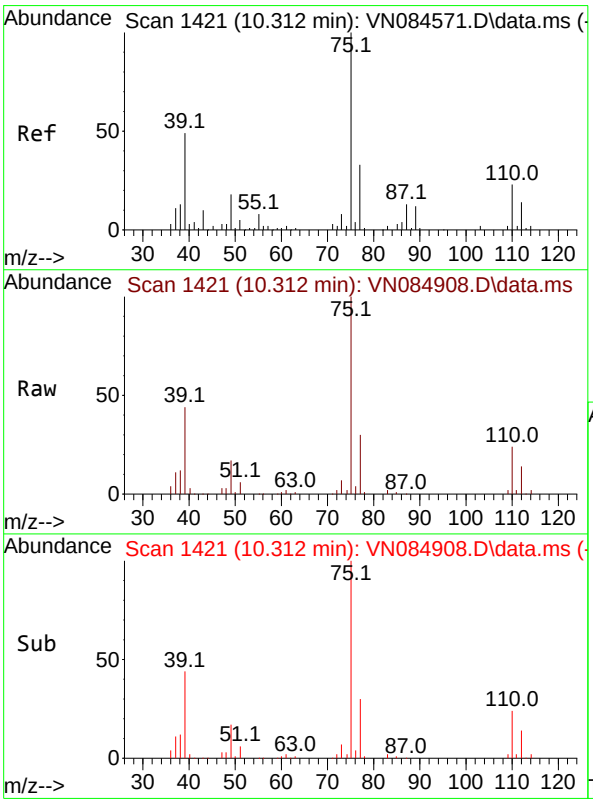
#53
t-1,3-Dichloropropene
Concen: 54.052 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion: 75 Resp: 130922

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.0

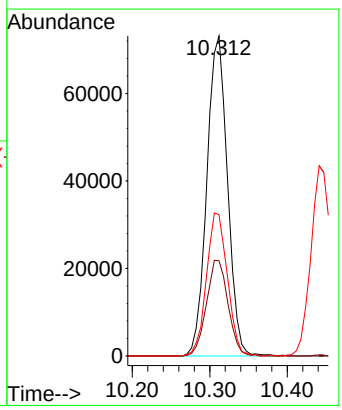


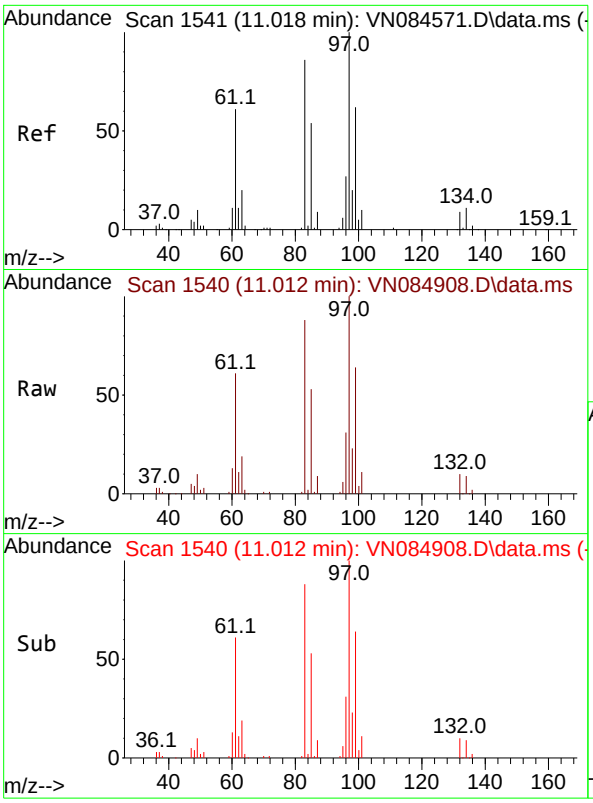


#54
cis-1,3-Dichloropropene
Concen: 52.855 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 75 Resp: 135498

Ion	Ratio	Lower	Upper
75	100		
77	29.7	24.2	36.2
39	44.1	38.7	58.1



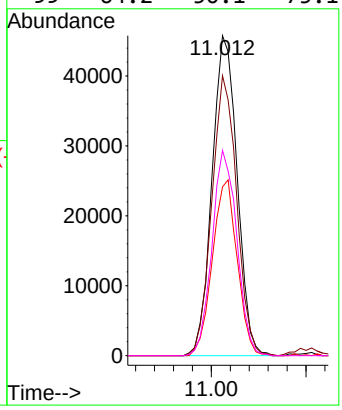


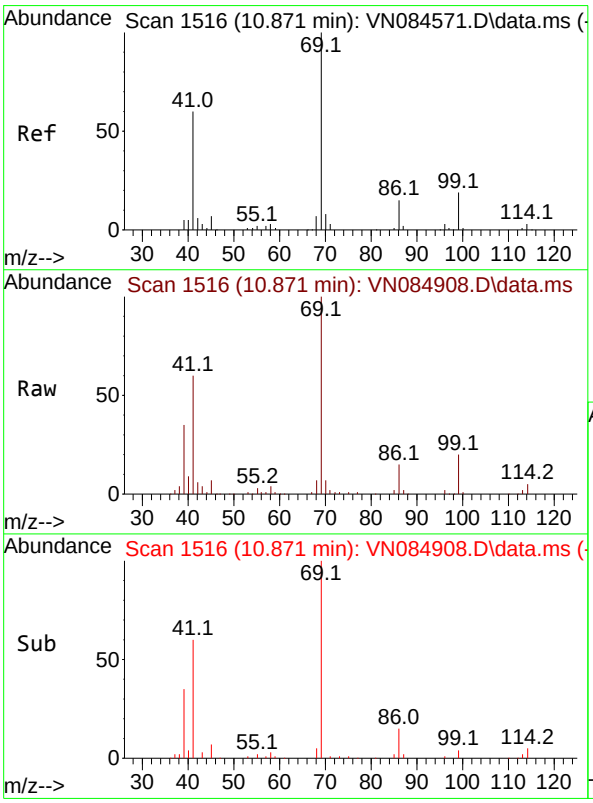
#55
1,1,2-Trichloroethane
Concen: 56.968 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion: 97 Resp: 84167

Ion	Ratio	Lower	Upper
97	100		
83	87.5	71.0	106.4
85	52.7	41.7	62.5
99	64.2	50.1	75.1

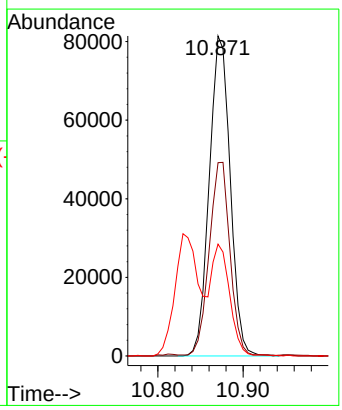


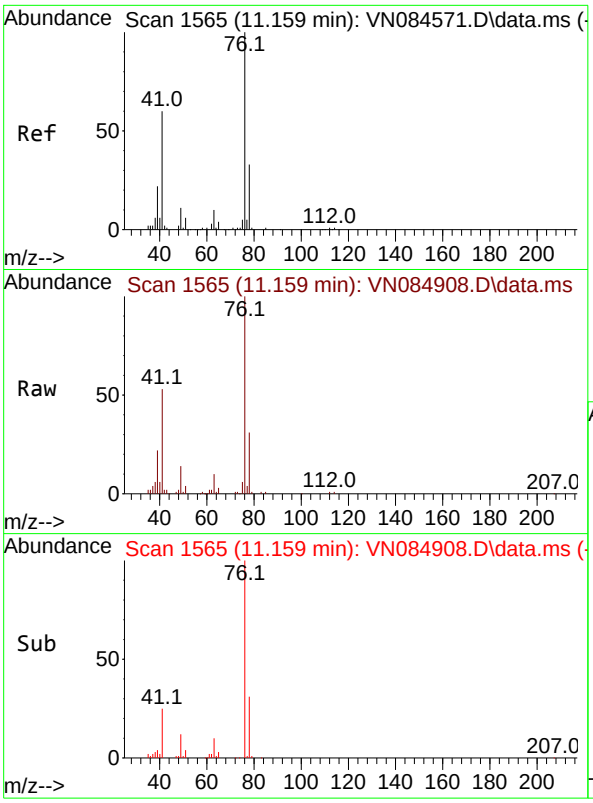


#56
Ethyl methacrylate
Concen: 64.927 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 69 Resp: 138753

Ion	Ratio	Lower	Upper
69	100		
41	60.5	53.3	79.9
39	29.3	28.8	43.2



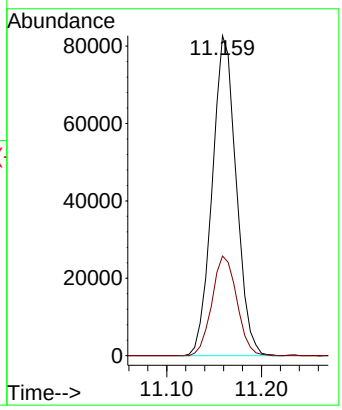


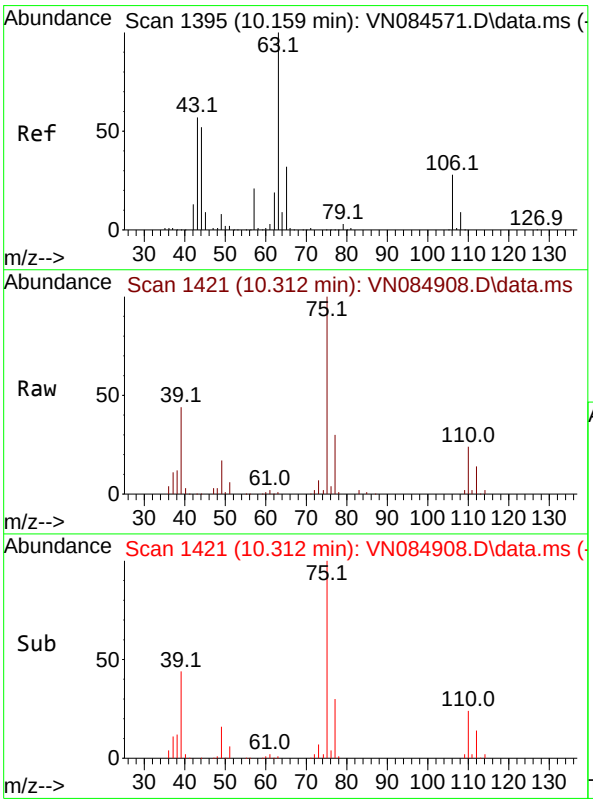
#57
1,3-Dichloropropane
Concen: 57.395 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion: 76 Resp: 145534

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

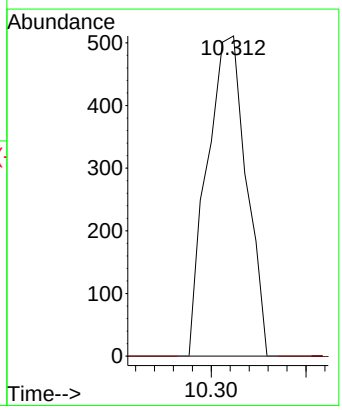


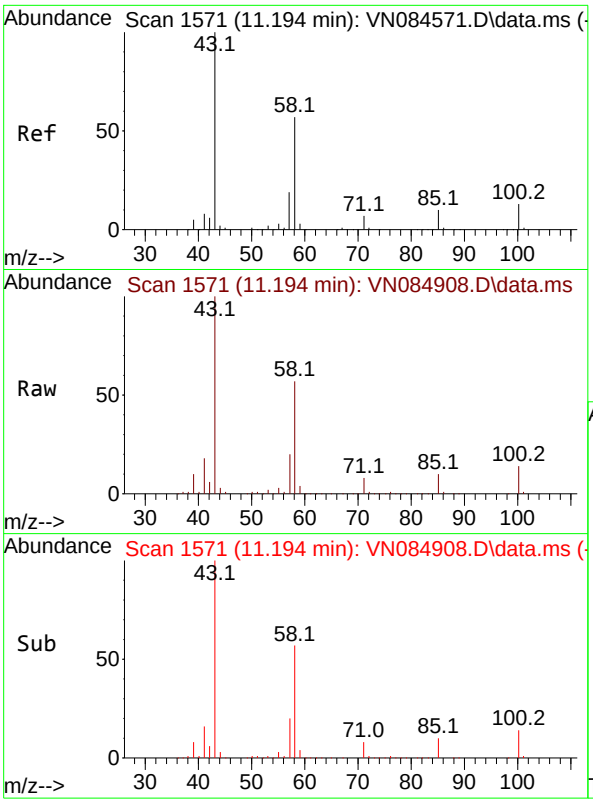


#58
2-Chloroethyl Vinyl ether
Concen: 0.734 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.153 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 63 Resp: 734

Ion	Ratio	Lower	Upper
63	100		
106	0.0	21.8	32.6#



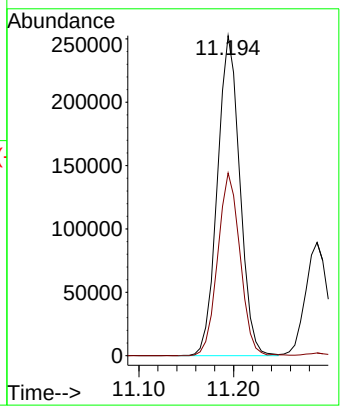


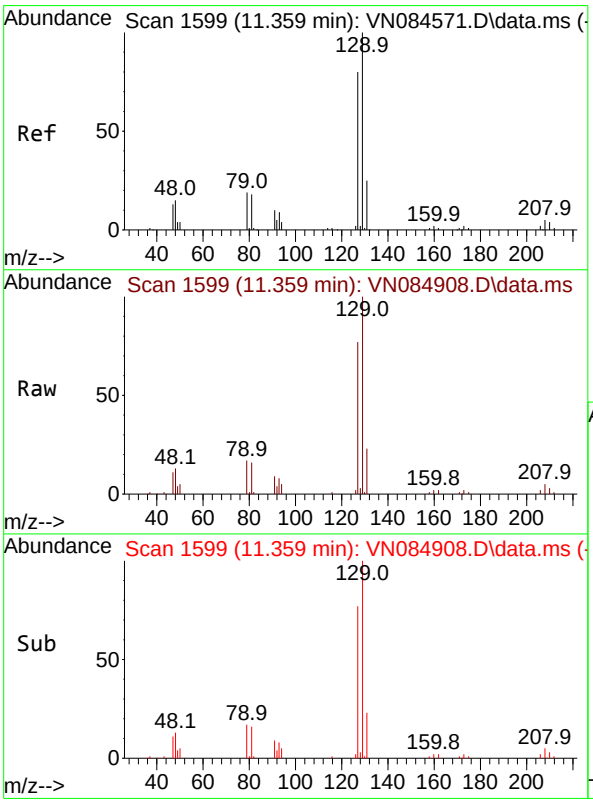
#59
2-Hexanone
Concen: 316.407 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion: 43 Resp: 415977

Ion	Ratio	Lower	Upper
43	100		
58	56.8	27.3	81.8

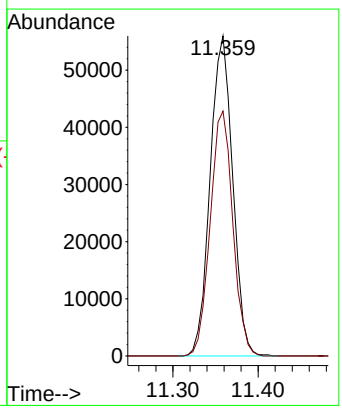


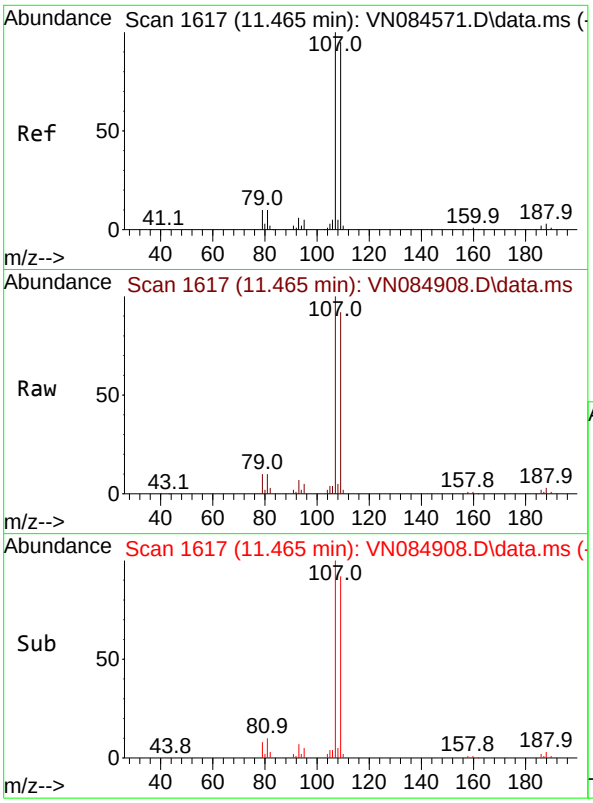


#60
Dibromochloromethane
Concen: 61.045 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:129 Resp: 102791

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.3	114.9



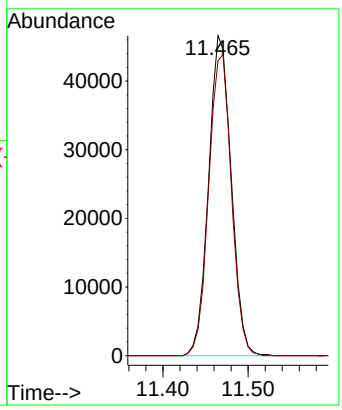


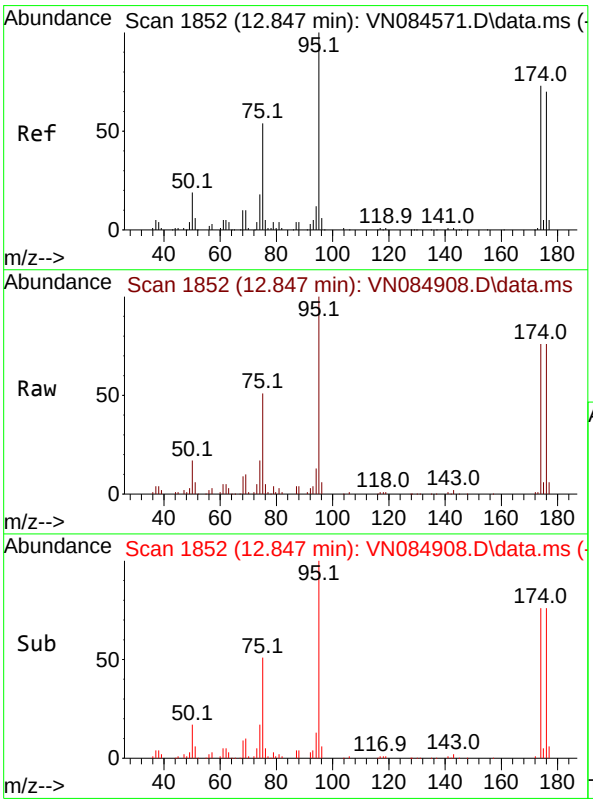
#61
1,2-Dibromoethane
Concen: 56.840 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion:107 Resp: 85996

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.4	113.0

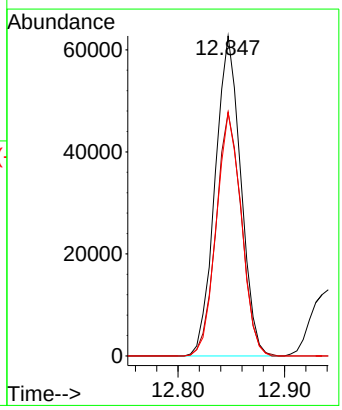


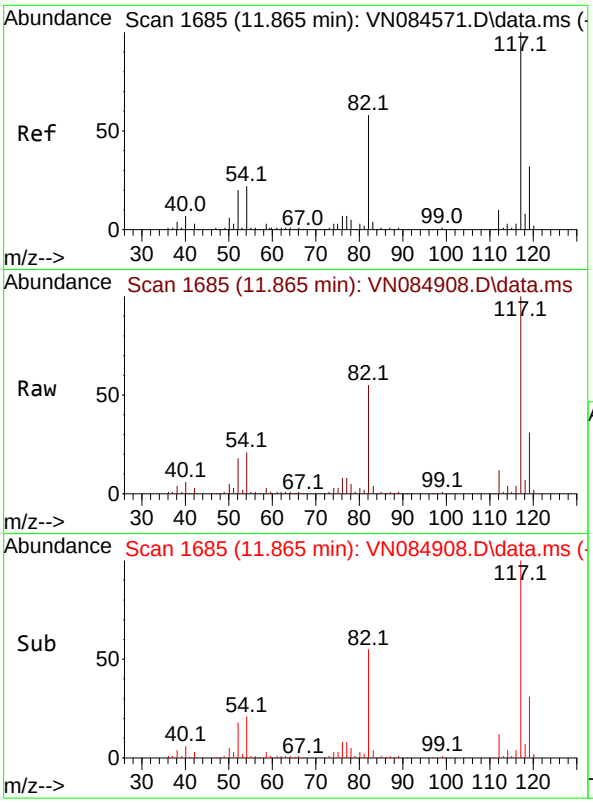


#62
4-Bromofluorobenzene
Concen: 50.550 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 95 Resp: 104788

Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	145.2
176	74.1	0.0	140.0



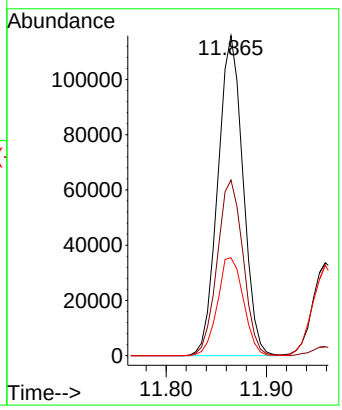


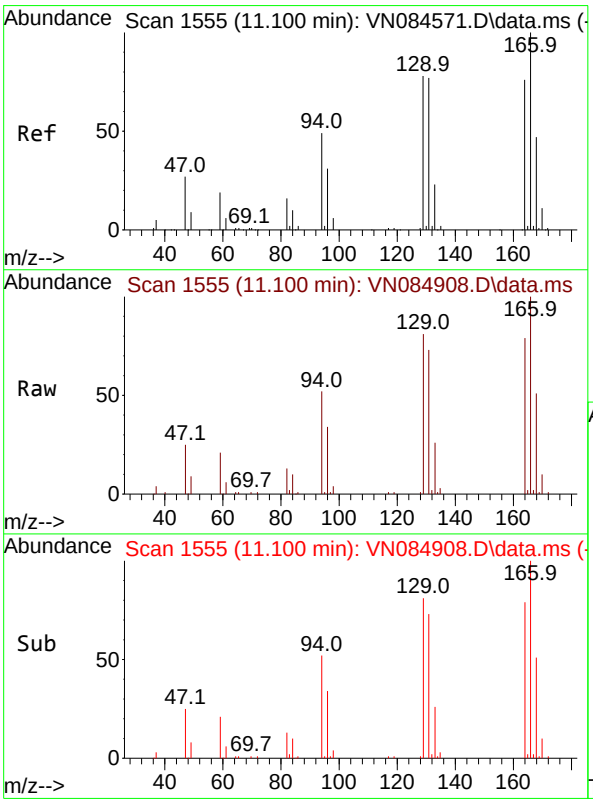
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion:117 Resp: 201565

Ion	Ratio	Lower	Upper
117	100		
82	54.9	47.2	70.8
119	30.6	25.4	38.0

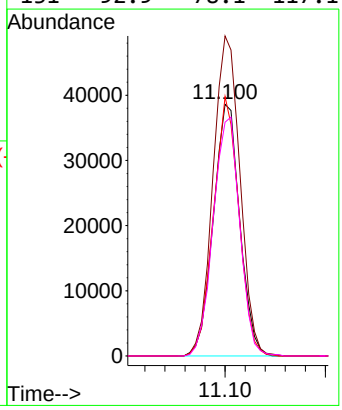


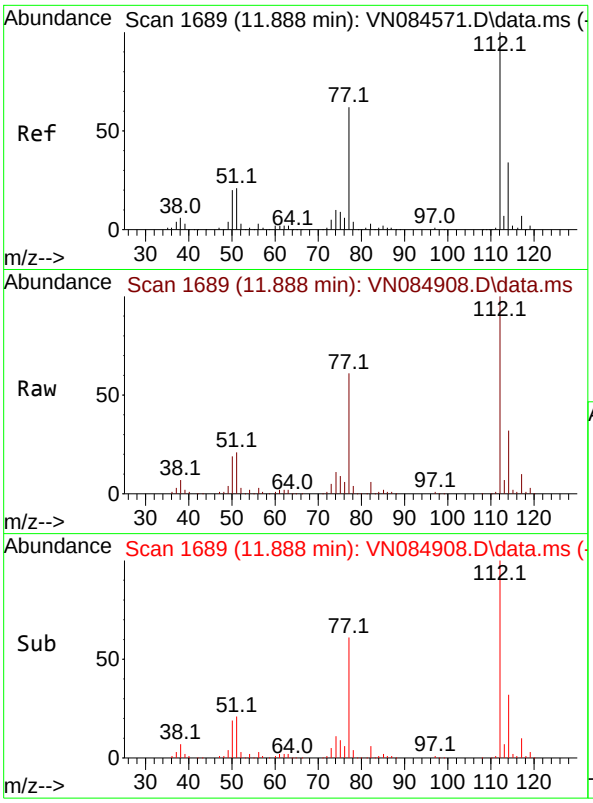


#64
Tetrachloroethene
Concen: 52.698 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:164 Resp: 70654

Ion	Ratio	Lower	Upper
164	100		
166	127.1	101.0	151.4
129	103.1	80.8	121.2
131	92.9	78.1	117.1



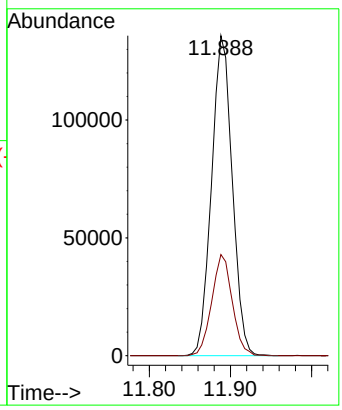


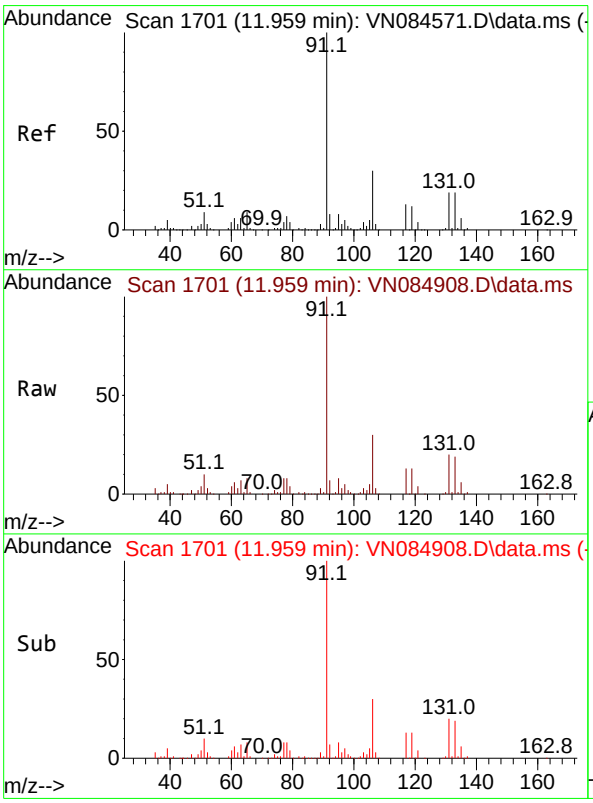
#65
Chlorobenzene
Concen: 53.370 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion:112 Resp: 240666

Ion	Ratio	Lower	Upper
112	100		
114	31.6	27.0	40.6

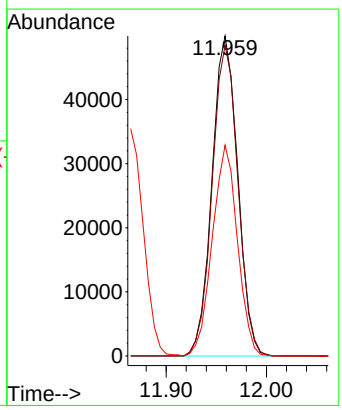


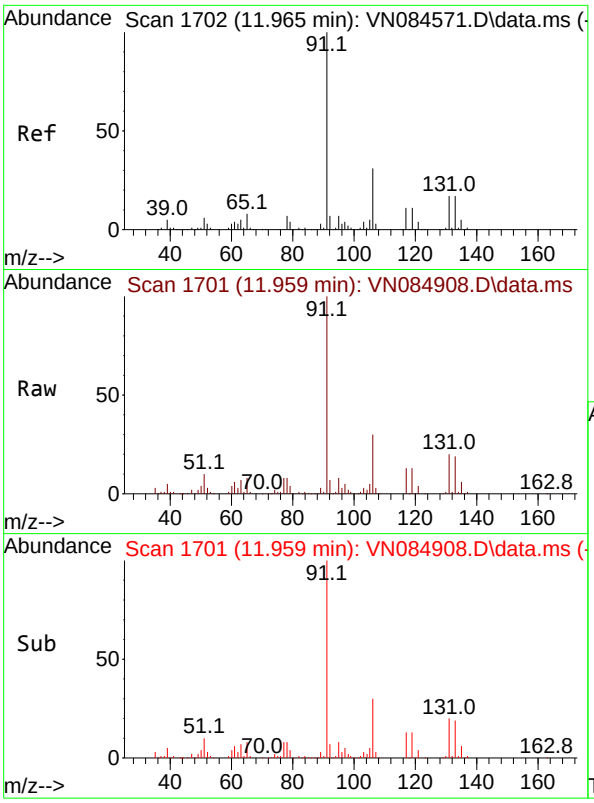


#66
1,1,1,2-Tetrachloroethane
Concen: 56.644 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:131 Resp: 88847

Ion	Ratio	Lower	Upper
131	100		
133	97.3	47.9	143.7
119	64.4	32.8	98.3



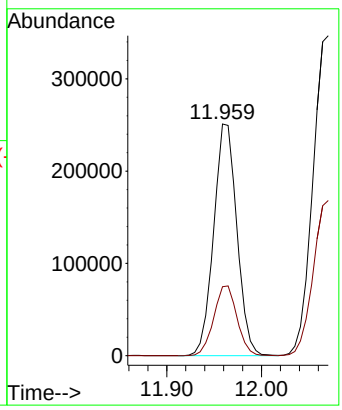


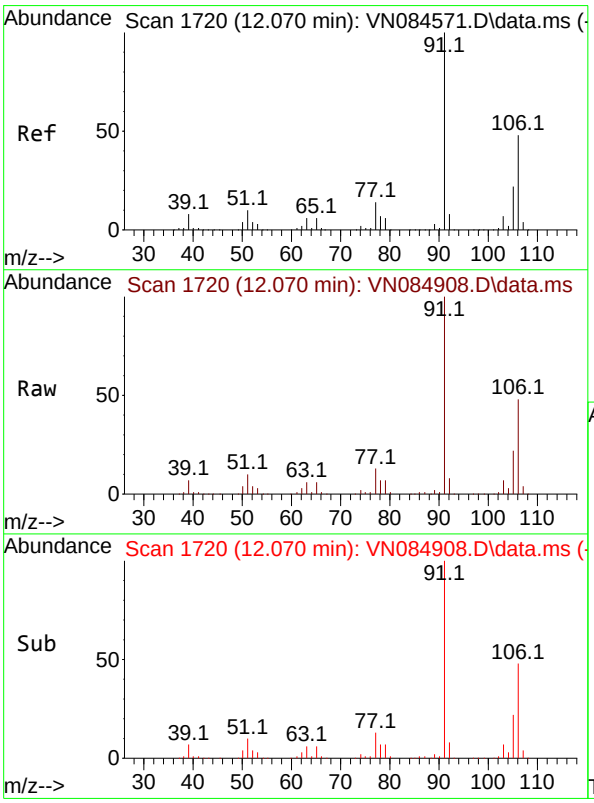
#67
Ethyl Benzene
Concen: 56.845 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion: 91 Resp: 427880

Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.5	36.7

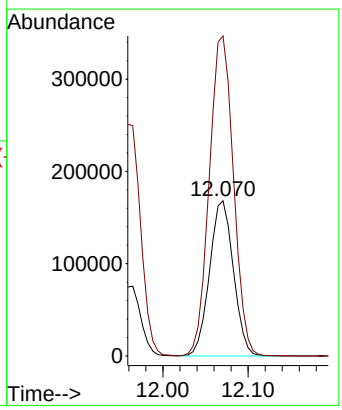


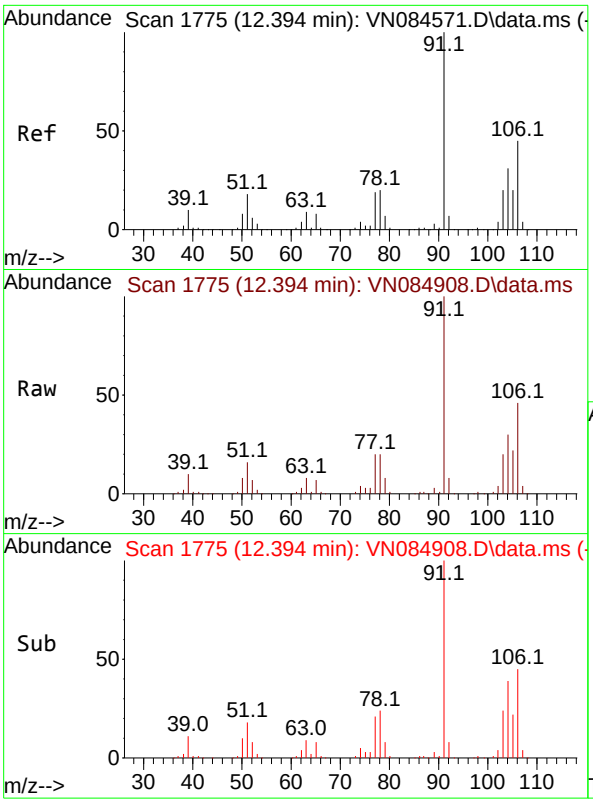


#68
m/p-Xylenes
Concen: 114.681 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:106 Resp: 326803

Ion	Ratio	Lower	Upper
106	100		
91	209.4	167.1	250.7



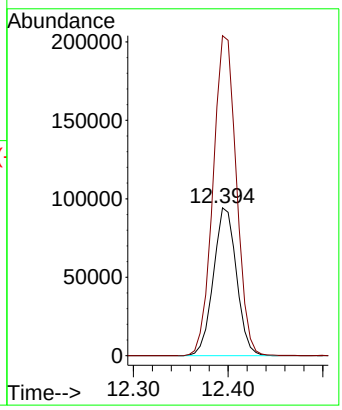


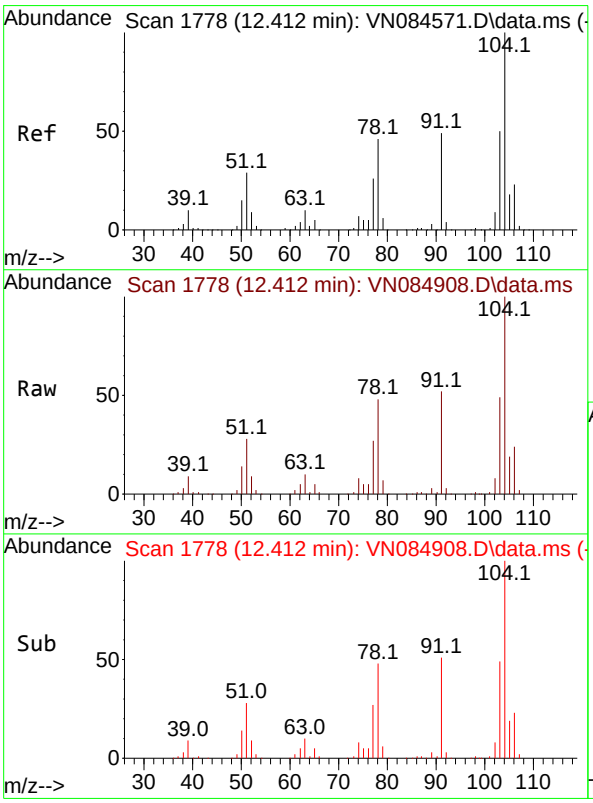
#69
o-Xylene
Concen: 59.752 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion:106 Resp: 159287

Ion	Ratio	Lower	Upper
106	100		
91	218.8	110.2	330.6

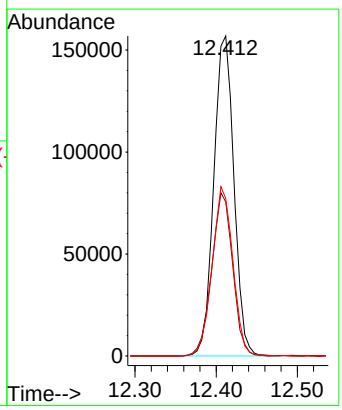


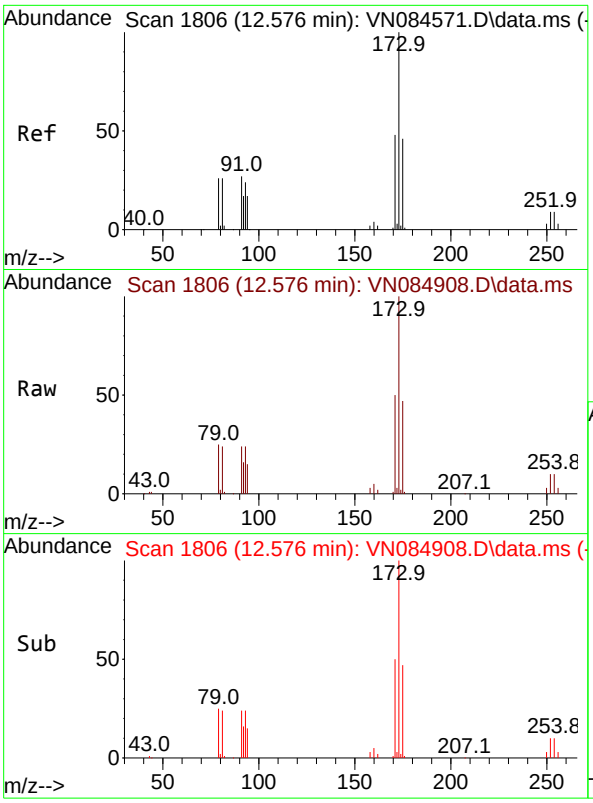


#70
Styrene
Concen: 58.190 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:104 Resp: 270604

Ion	Ratio	Lower	Upper
104	100		
78	53.0	42.7	64.1
103	54.3	43.6	65.4



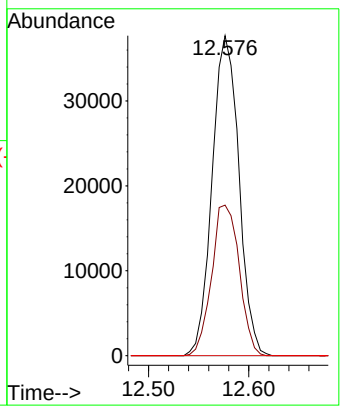


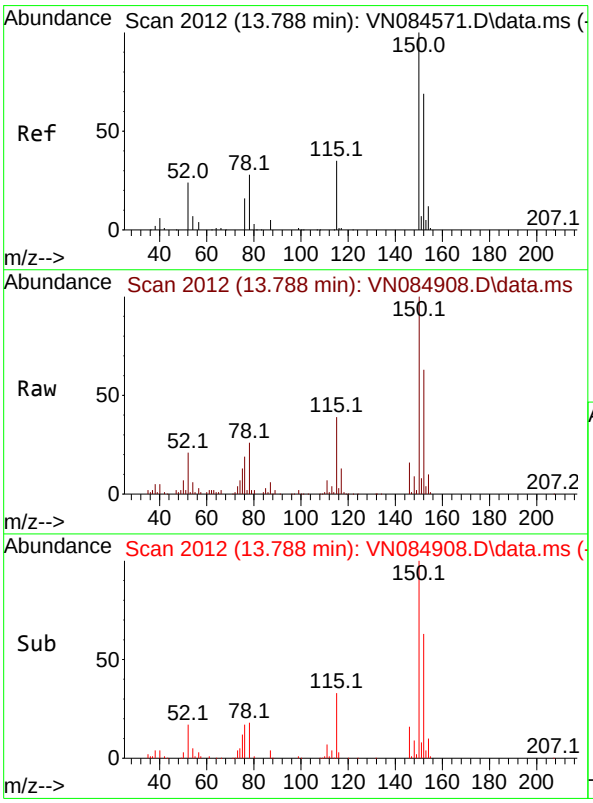
#71
Bromoform
Concen: 59.172 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion:173 Resp: 69838

Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.5	70.6
254	0.0	0.0	0.0

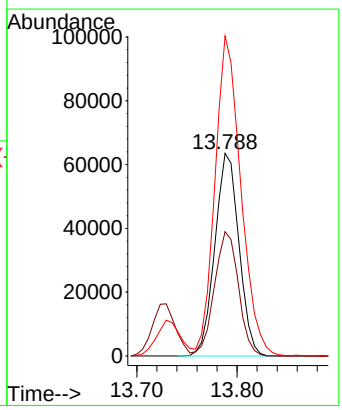


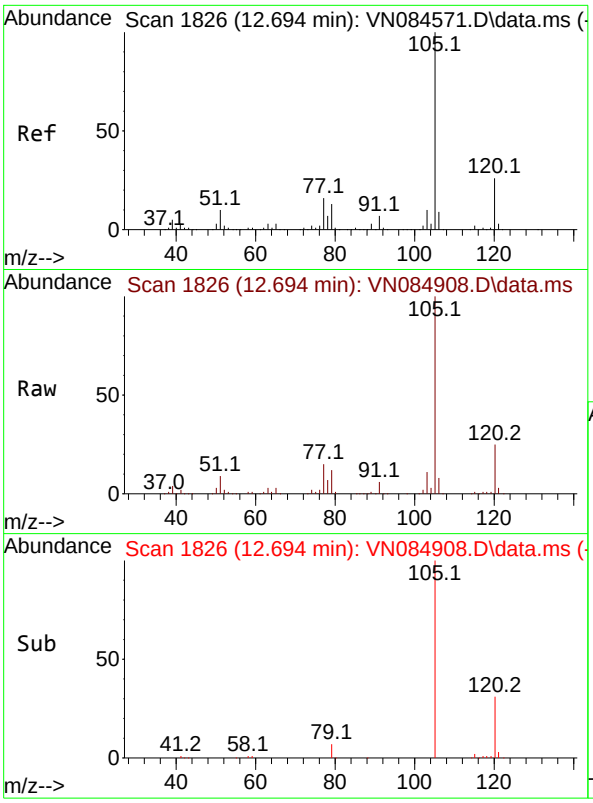


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:152 Resp: 105985

Ion	Ratio	Lower	Upper
152	100		
115	61.3	31.3	93.9
150	169.3	0.0	349.8



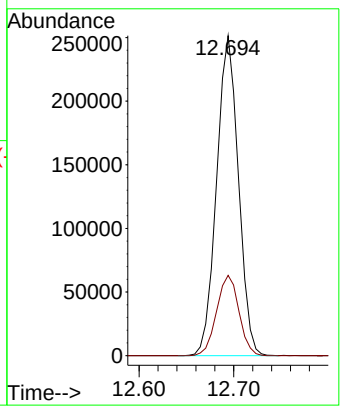


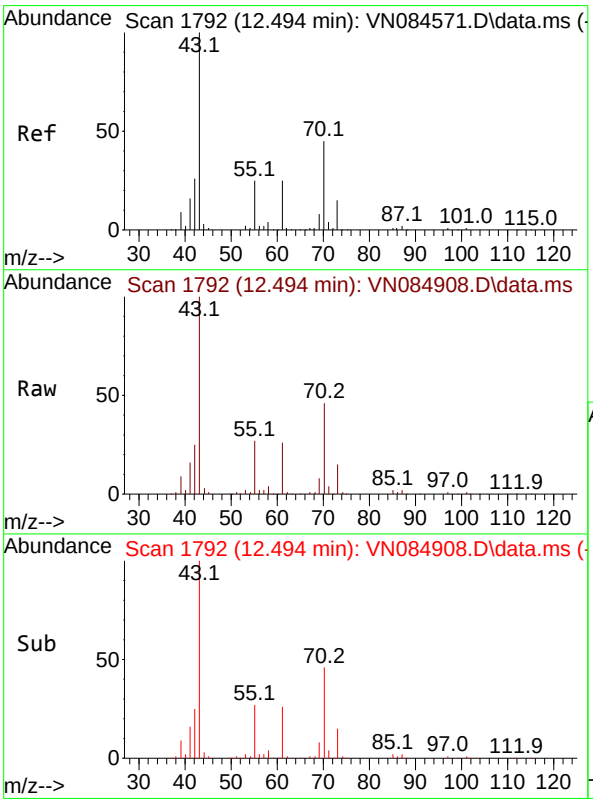
#73
Isopropylbenzene
Concen: 54.145 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion:105 Resp: 402146

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.9	38.7

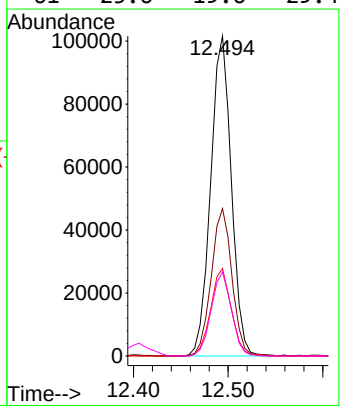


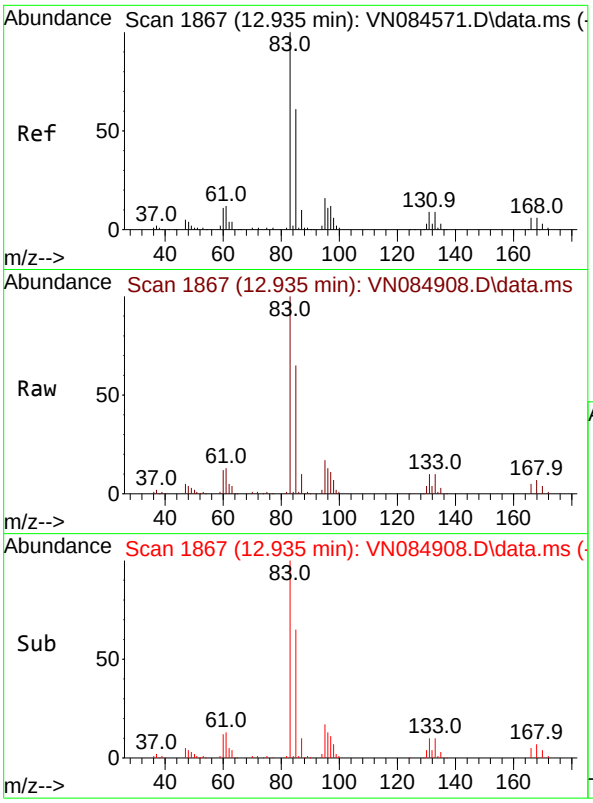


#74
N-amyl acetate
Concen: 48.744 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 43 Resp: 154087

Ion	Ratio	Lower	Upper
43	100		
70	46.0	34.4	51.6
55	27.3	19.6	29.4
61	25.6	19.6	29.4



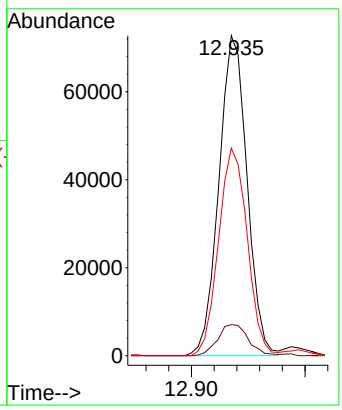


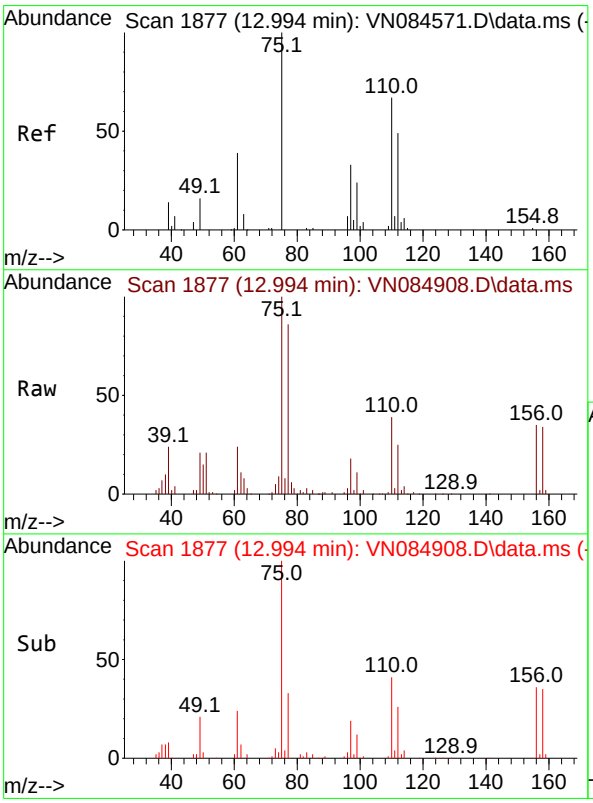
#75
1,1,2,2-Tetrachloroethane
Concen: 50.592 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion: 83 Resp: 125423

Ion	Ratio	Lower	Upper
83	100		
131	10.8	4.9	14.7
85	66.0	31.9	95.7

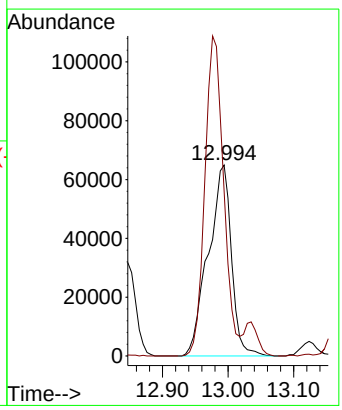


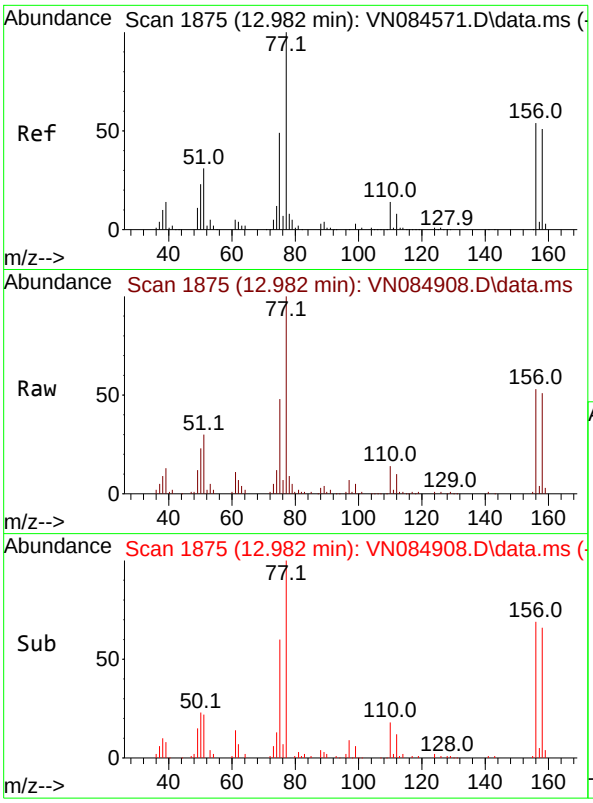


#76
1,2,3-Trichloropropane
Concen: 75.067 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 75 Resp: 159036

Ion	Ratio	Lower	Upper
75	100		
77	136.1	96.9	290.7



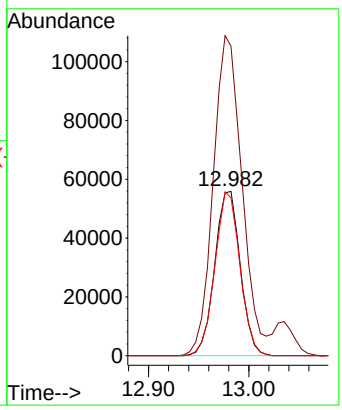


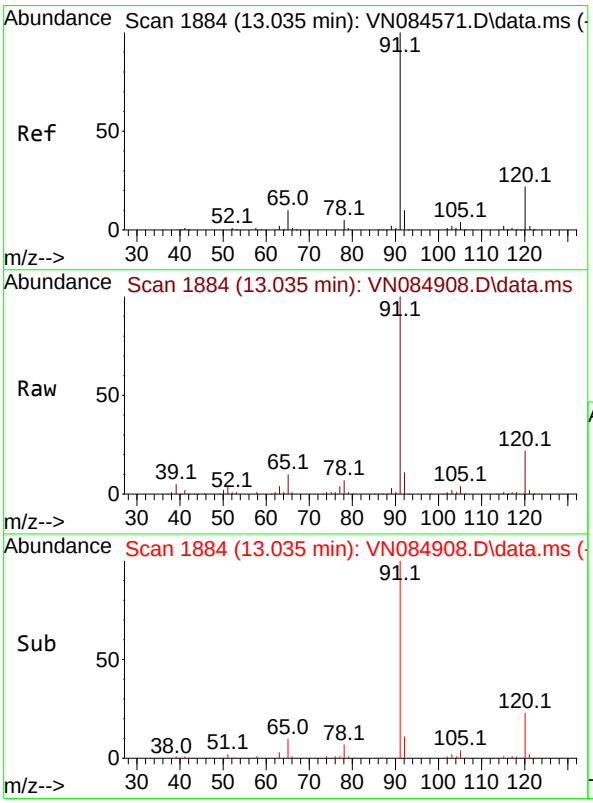
#77
Bromobenzene
Concen: 49.525 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion:156 Resp: 98884

Ion	Ratio	Lower	Upper
156	100		
77	218.9	115.1	345.3
158	97.8	48.9	146.8

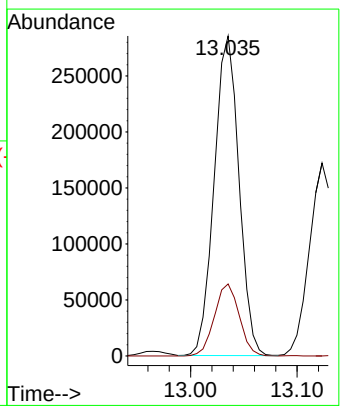


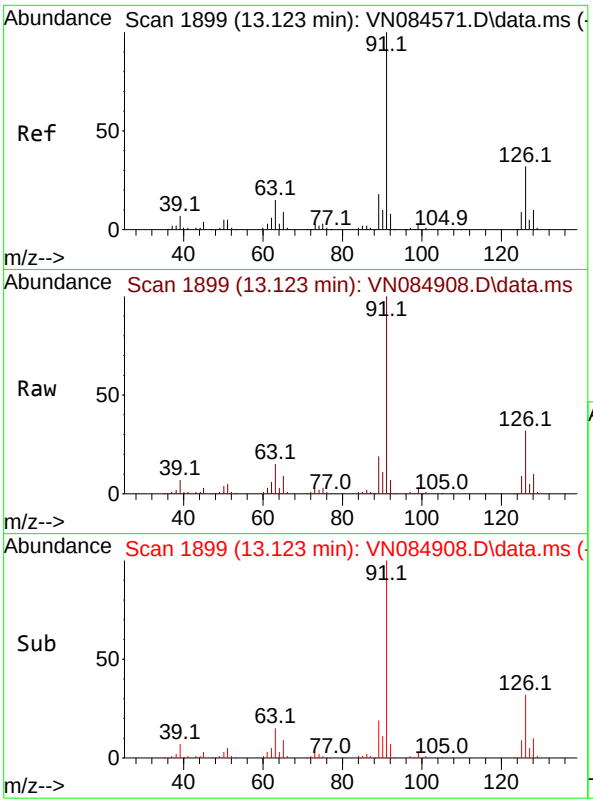


#78
n-propylbenzene
Concen: 52.889 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 91 Resp: 460312

Ion	Ratio	Lower	Upper
91	100		
120	22.5	10.8	32.4



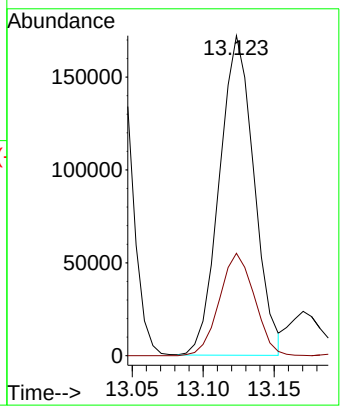


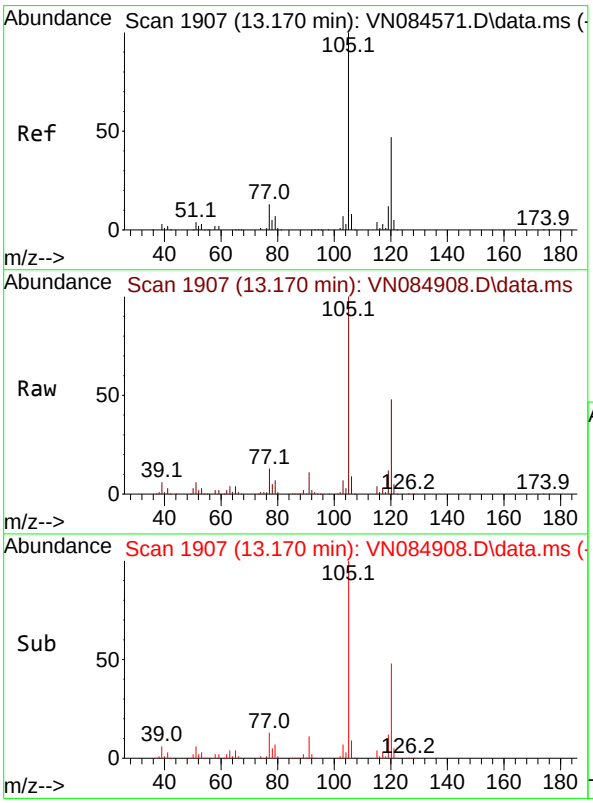
#79
2-Chlorotoluene
Concen: 51.363 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion: 91 Resp: 292096

Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.7	47.1

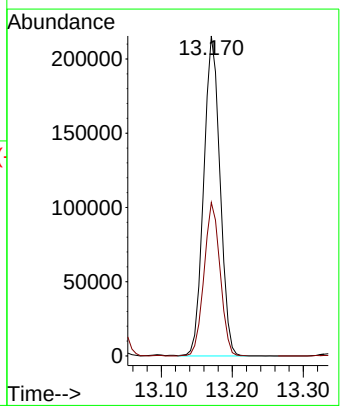


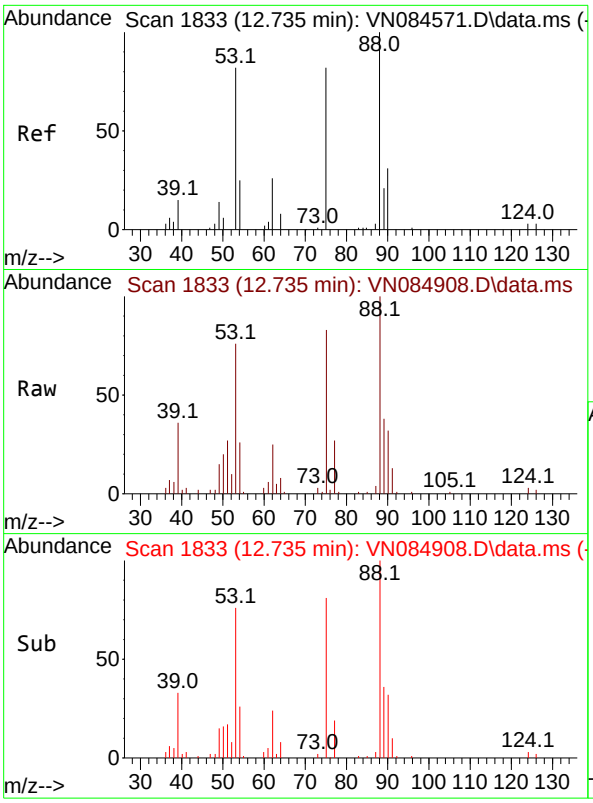


#80
1,3,5-Trimethylbenzene
Concen: 55.932 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:105 Resp: 344304

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.7	71.1



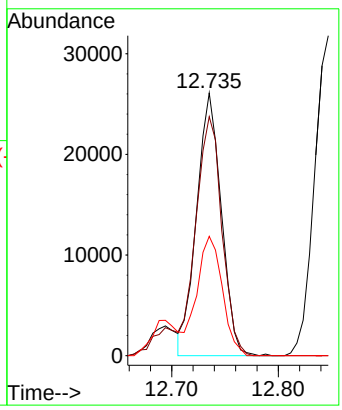


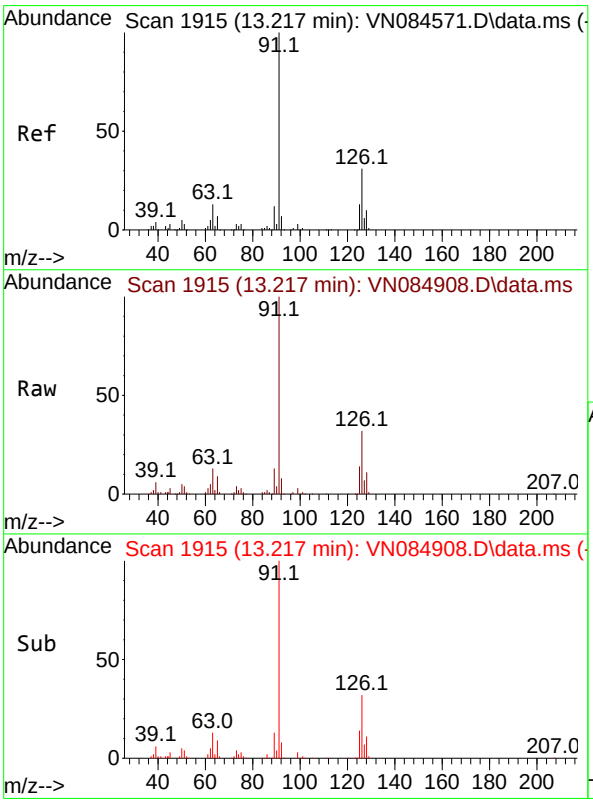
#81
trans-1,4-Dichloro-2-butene
Concen: 47.129 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion: 75 Resp: 42087

Ion	Ratio	Lower	Upper
75	100		
53	106.5	78.0	117.0
89	46.1	35.5	53.3

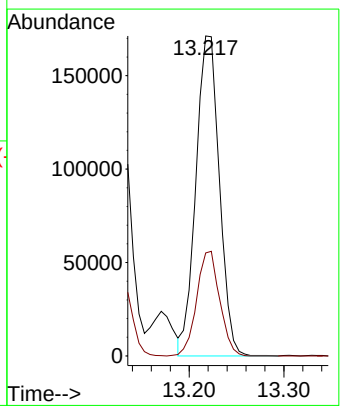


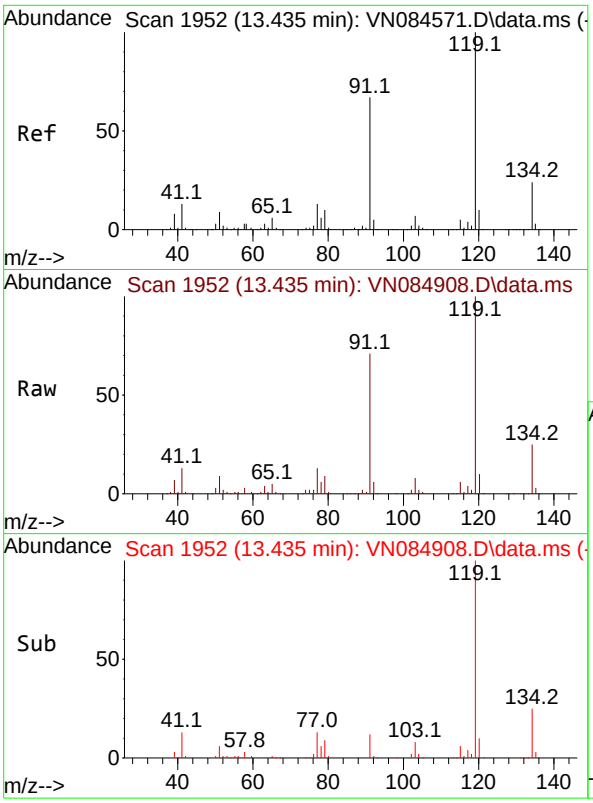


#82
4-Chlorotoluene
Concen: 49.217 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 91 Resp: 294554

Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1



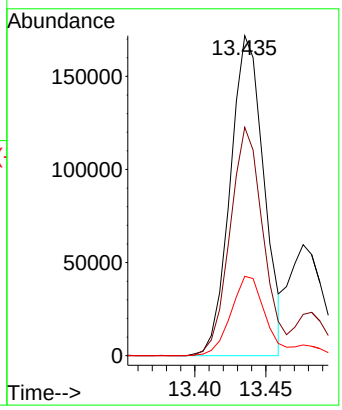


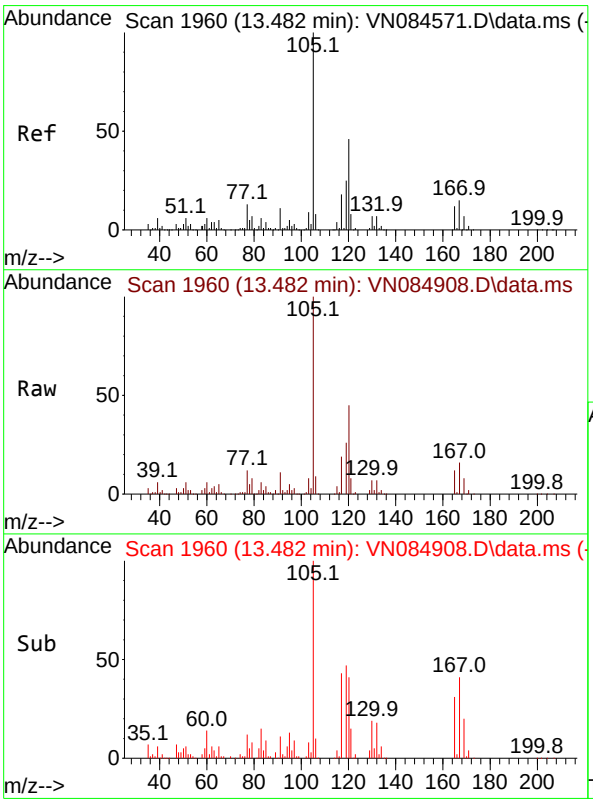
#83
tert-Butylbenzene
Concen: 55.418 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion:119 Resp: 282332

Ion	Ratio	Lower	Upper
119	100		
91	70.9	34.1	102.3
134	25.7	12.8	38.4

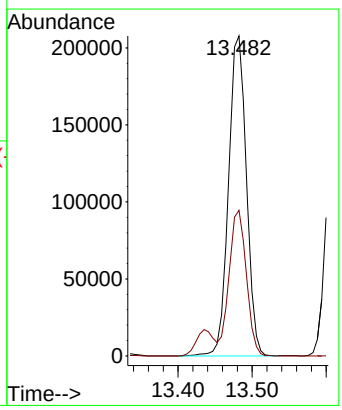


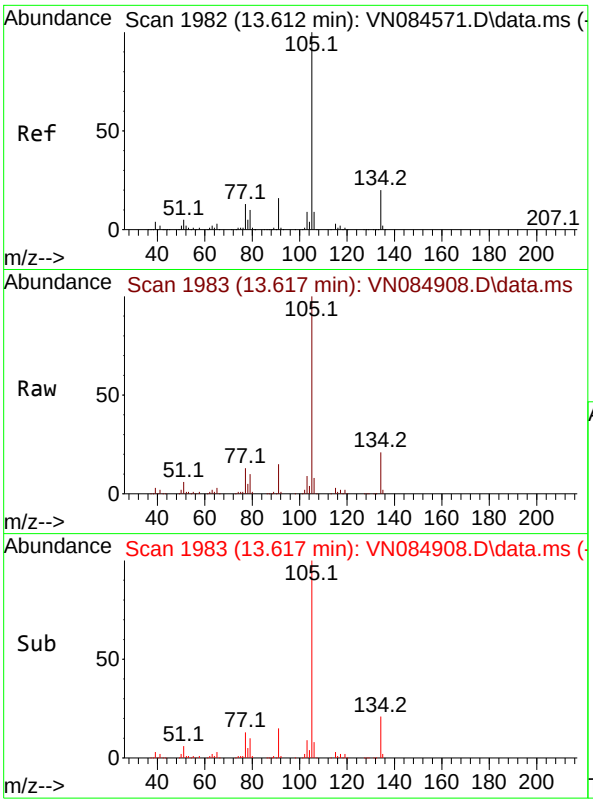


#84
1,2,4-Trimethylbenzene
Concen: 54.758 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:105 Resp: 347897

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.3	66.8



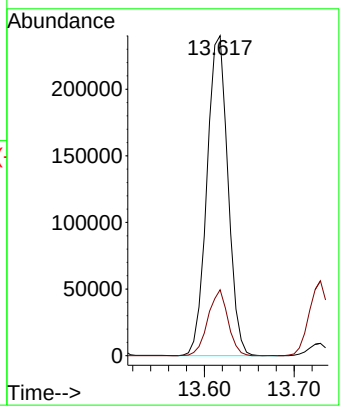


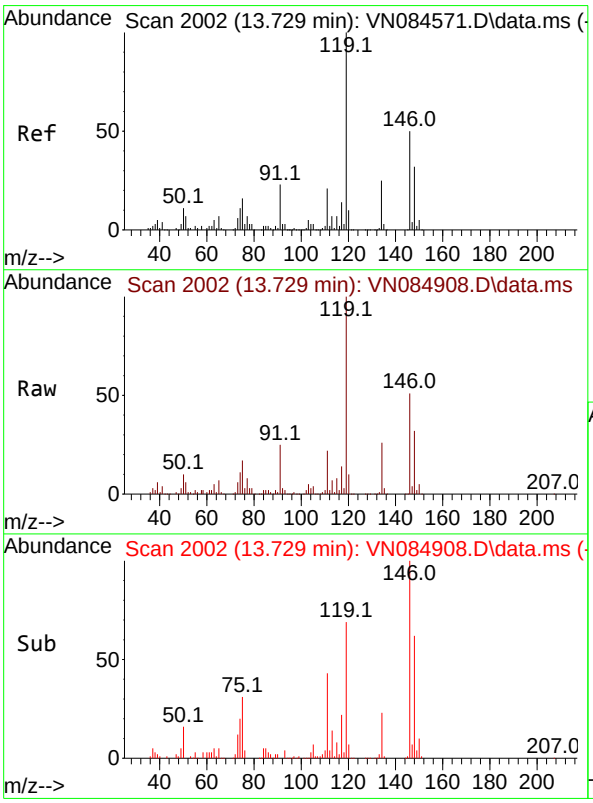
#85
sec-Butylbenzene
Concen: 54.162 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion:105 Resp: 389774

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

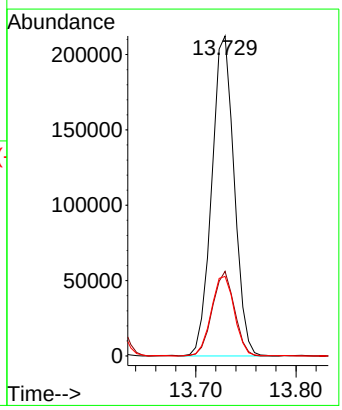


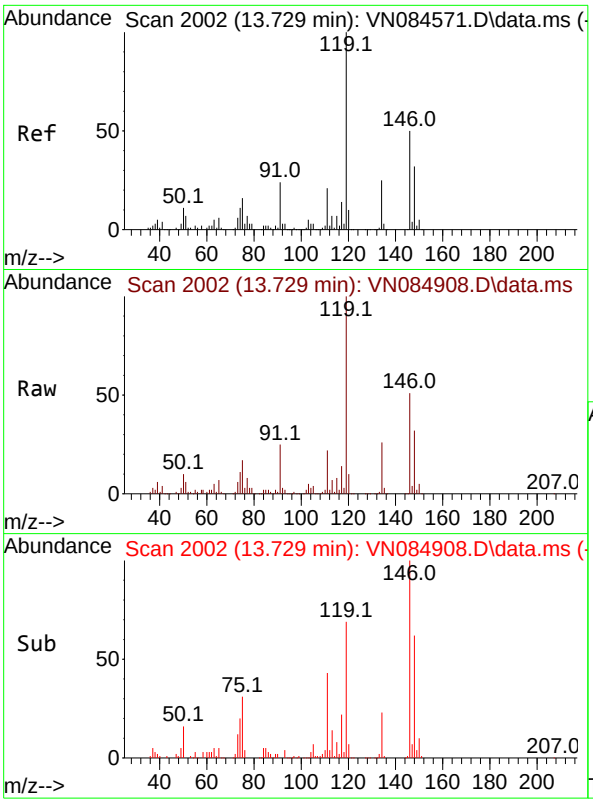


#86
p-Isopropyltoluene
Concen: 55.785 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:119 Resp: 329244

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.6	37.8
91	25.9	12.4	37.2



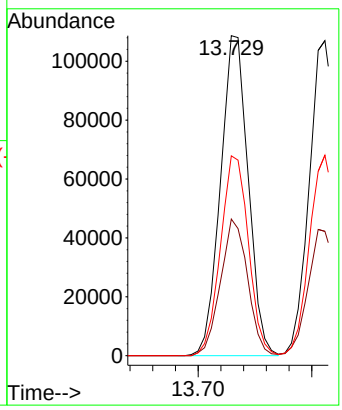


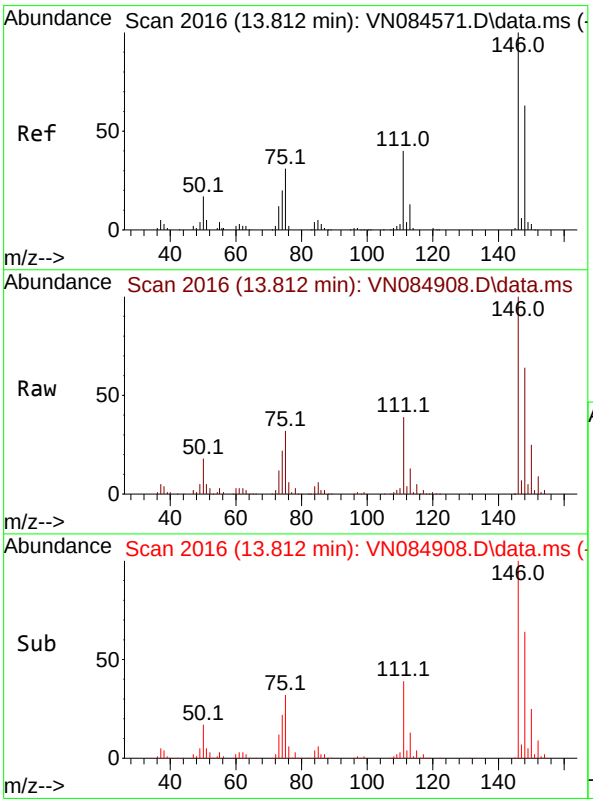
#87
1,3-Dichlorobenzene
Concen: 47.298 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion:146 Resp: 184304

Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.8	65.3
148	62.9	31.9	95.7

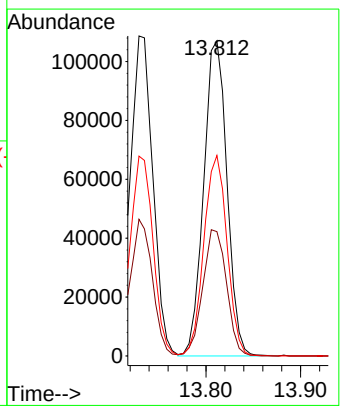


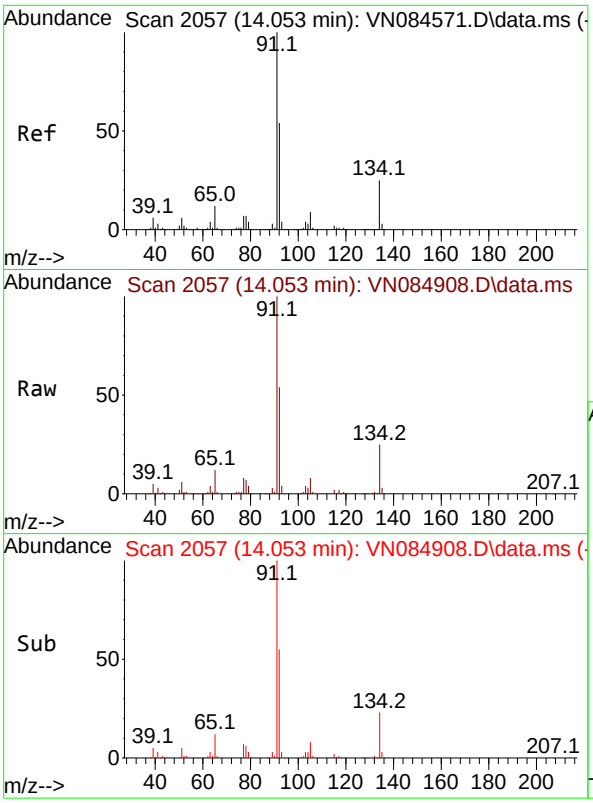


#88
1,4-Dichlorobenzene
Concen: 51.146 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:146 Resp: 182592

Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.2	63.6
148	63.3	31.9	95.9



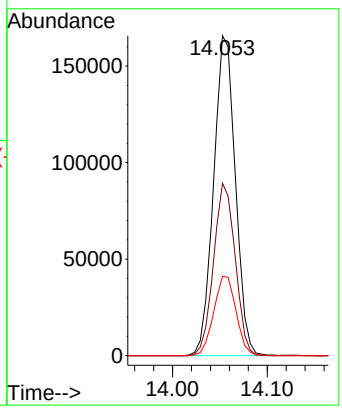


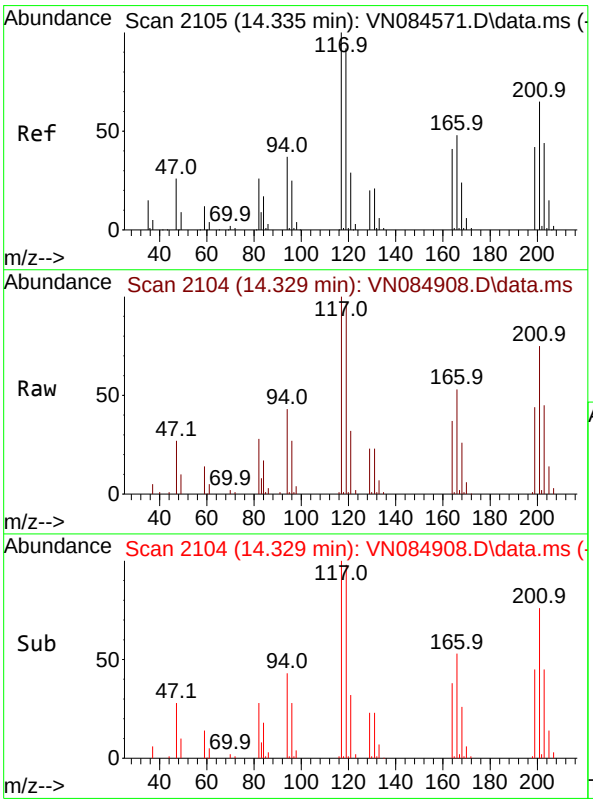
#89
n-Butylbenzene
Concen: 48.002 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion: 91 Resp: 265012

Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.6	79.7
134	25.4	12.3	36.9

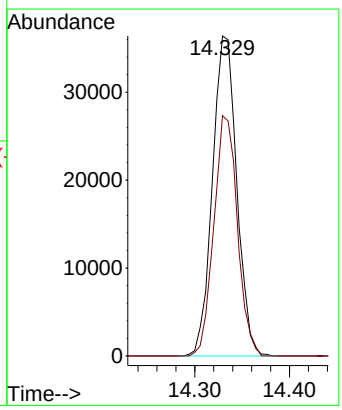


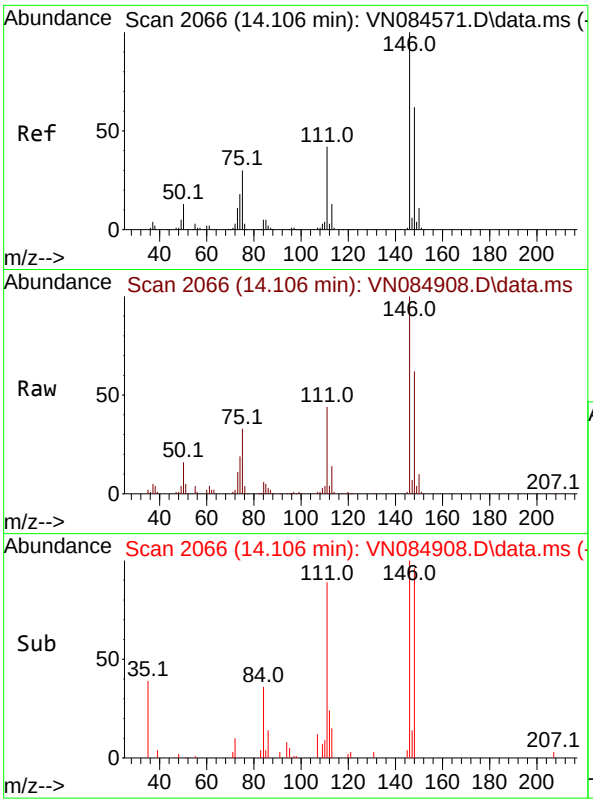


#90
Hexachloroethane
Concen: 49.217 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:117 Resp: 64780

Ion	Ratio	Lower	Upper
117	100		
201	72.9	34.4	103.2



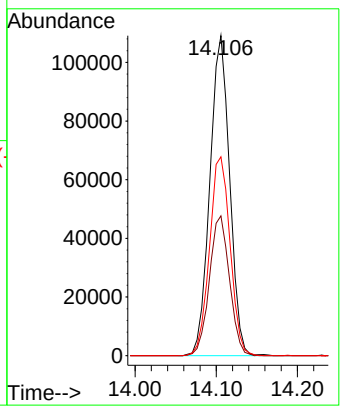


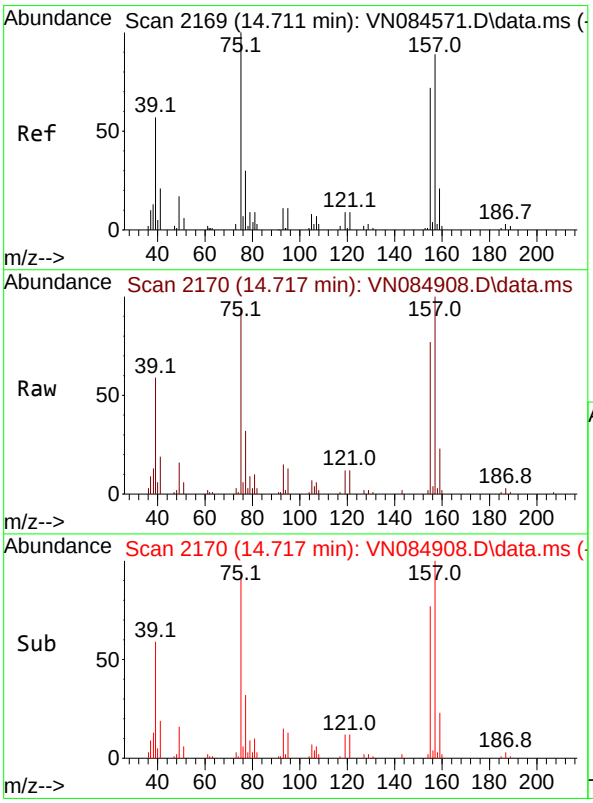
#91
1,2-Dichlorobenzene
Concen: 49.281 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion:146 Resp: 184527

Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.0	66.0
148	64.8	32.1	96.3

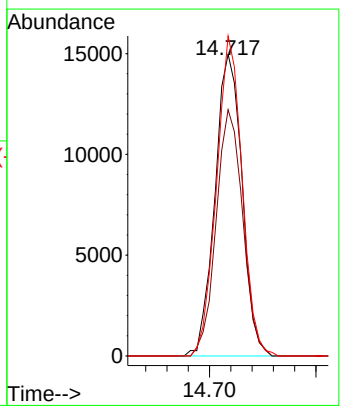


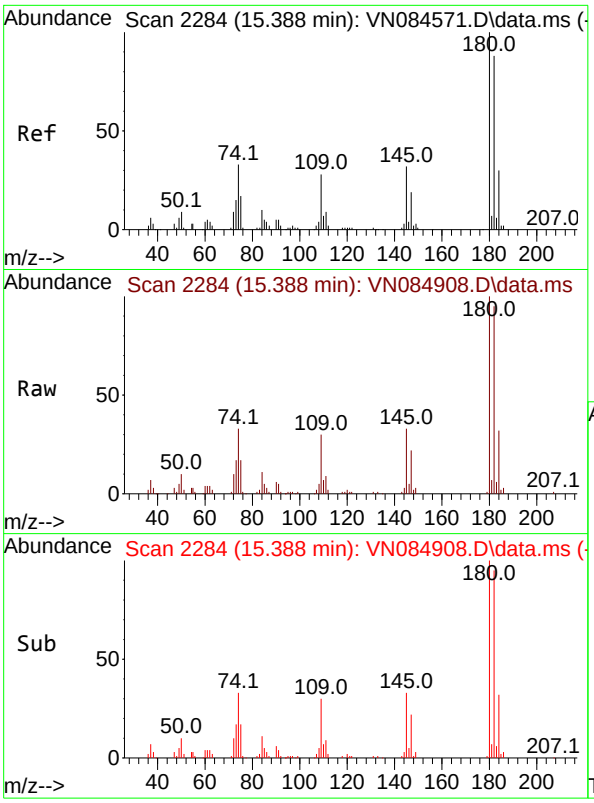


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.502 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion: 75 Resp: 26368

Ion	Ratio	Lower	Upper
75	100		
155	80.0	38.1	114.5
157	100.2	49.6	149.0



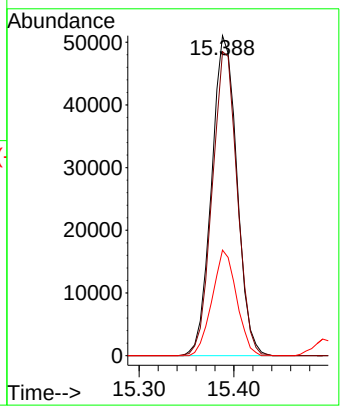


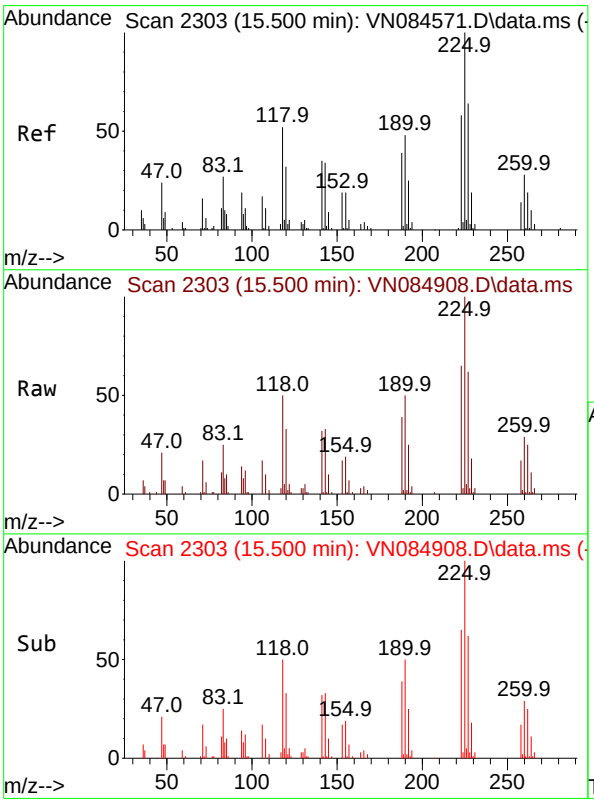
#93
1,2,4-Trichlorobenzene
Concen: 46.249 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion:180 Resp: 94786

Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.0	141.0
145	31.9	16.4	49.4

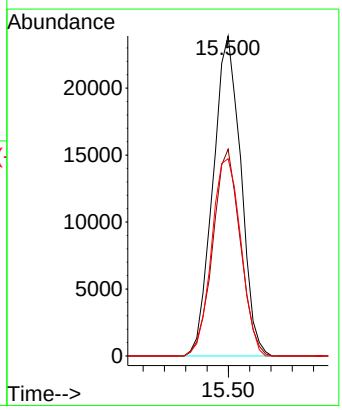


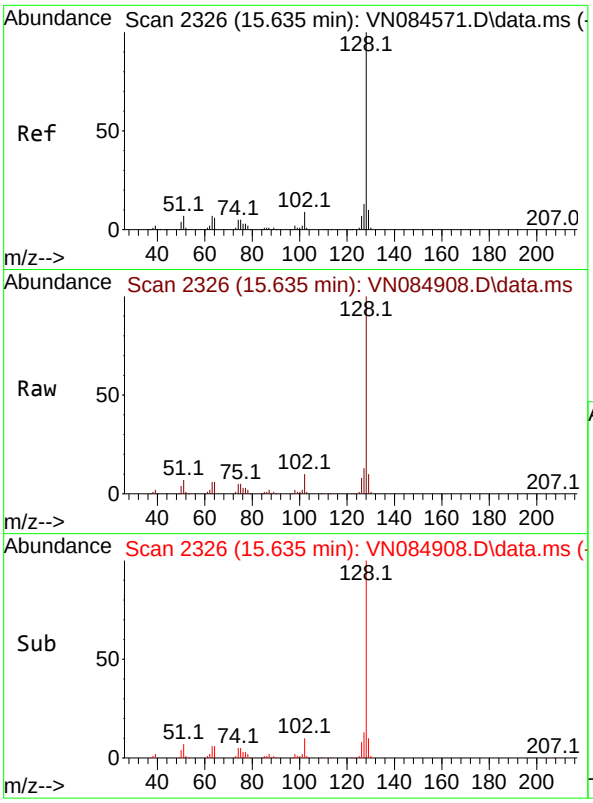


#94
Hexachlorobutadiene
Concen: 48.176 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:225 Resp: 43359

Ion	Ratio	Lower	Upper
225	100		
223	63.7	32.4	97.2
227	64.6	32.4	97.0



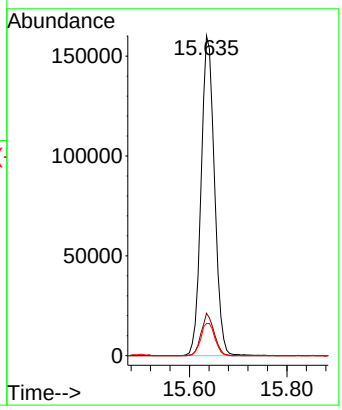


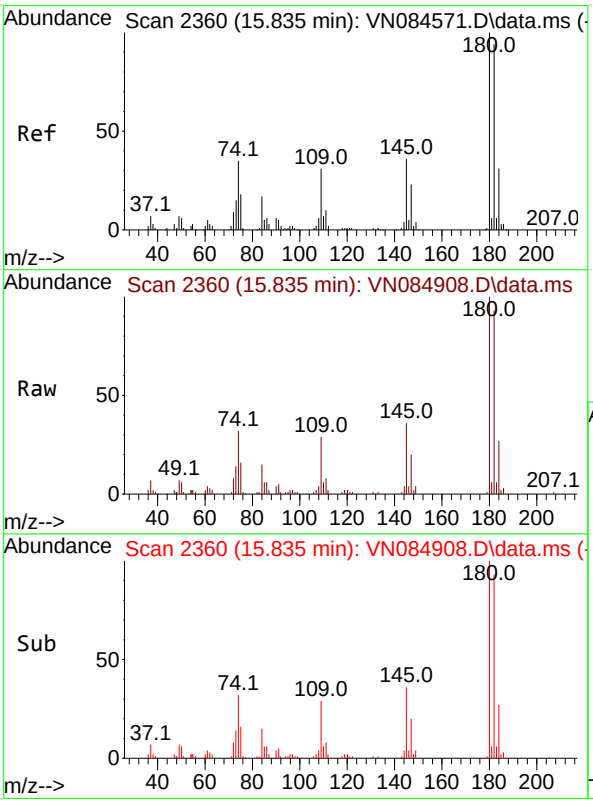
#95
Naphthalene
Concen: 49.697 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-23-20241112MSD

Tgt Ion:128 Resp: 304868

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.7	8.7	13.1

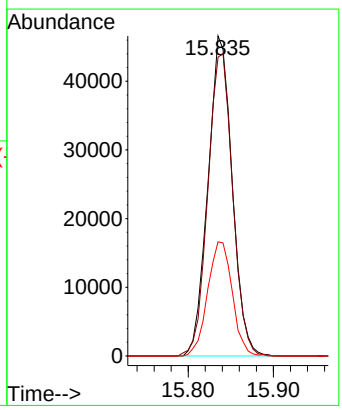




#96
1,2,3-Trichlorobenzene
Concen: 46.207 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN084908.D
Acq: 17 Nov 2024 20:25

Tgt Ion:180 Resp: 91928

Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.2	144.6
145	36.2	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084909.D
Acq On : 17 Nov 2024 20:49
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 18 00:29:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	145777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	241558	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	215240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	109038	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	103060	48.948	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.900%			
35) Dibromofluoromethane	8.165	113	82872	50.684	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.360%			
50) Toluene-d8	10.565	98	299123	49.663	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.320%			
62) 4-Bromofluorobenzene	12.847	95	116907	51.936	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.880%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	79992	47.733	ug/l	93
3) Chloromethane	2.359	50	97604	49.616	ug/l	100
4) Vinyl Chloride	2.512	62	97851	54.288	ug/l	98
5) Bromomethane	2.901	94	54161	56.714	ug/l	99
6) Chloroethane	3.065	64	64712	58.229	ug/l	100
7) Trichlorofluoromethane	3.459	101	168186	56.645	ug/l	96
8) Diethyl Ether	3.953	74	54099	51.651	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.359	101	84417	50.316	ug/l	97
10) Methyl Iodide	4.571	142	120448	53.717	ug/l	97
11) Tert butyl alcohol	5.536	59	79122	284.691	ug/l	100
12) 1,1-Dichloroethene	4.324	96	79715	48.018	ug/l	98
13) Acrolein	4.171	56	72881	262.980	ug/l	96
14) Allyl chloride	5.012	41	126951	47.154	ug/l	93
15) Acrylonitrile	5.712	53	214074	266.072	ug/l	99
16) Acetone	4.430	43	170425	280.559	ug/l	99
17) Carbon Disulfide	4.695	76	219507	42.937	ug/l	99
18) Methyl Acetate	5.018	43	107167	48.083	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	279206	54.872	ug/l	94
20) Methylene Chloride	5.265	84	91819	49.583	ug/l	89
21) trans-1,2-Dichloroethene	5.777	96	81611	47.876	ug/l	98
22) Diisopropyl ether	6.665	45	264926	49.523	ug/l	98
23) Vinyl Acetate	6.595	43	989607	268.251	ug/l	97
24) 1,1-Dichloroethane	6.565	63	161155	50.177	ug/l	97
25) 2-Butanone	7.483	43	272521	277.435	ug/l	97
26) 2,2-Dichloropropane	7.483	77	122701	43.894	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	99940	50.211	ug/l	95
28) Bromochloromethane	7.812	49	63639	49.734	ug/l	87
29) Tetrahydrofuran	7.836	42	176559	270.935	ug/l	93
30) Chloroform	7.959	83	171940	52.598	ug/l	95
31) Cyclohexane	8.253	56	136081	46.814	ug/l	93
32) 1,1,1-Trichloroethane	8.165	97	160486	53.939	ug/l	95
36) 1,1-Dichloropropene	8.365	75	116832	51.522	ug/l	99
37) Ethyl Acetate	7.553	43	109558	53.251	ug/l	97
38) Carbon Tetrachloride	8.359	117	142154	56.085	ug/l	97
39) Methylcyclohexane	9.594	83	124764	54.083	ug/l	98
40) Benzene	8.600	78	365643	50.209	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084909.D
Acq On : 17 Nov 2024 20:49
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 18 00:29:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	61024	55.156	ug/l		93
42) 1,2-Dichloroethane	8.665	62	126981	53.841	ug/l		99
43) Isopropyl Acetate	8.688	43	194177	51.109	ug/l		97
44) Trichloroethene	9.347	130	86465	51.483	ug/l		98
45) 1,2-Dichloropropane	9.618	63	86675	50.737	ug/l		94
46) Dibromomethane	9.706	93	63245	52.466	ug/l		96
47) Bromodichloromethane	9.883	83	135570	53.353	ug/l		98
48) Methyl methacrylate	9.677	41	90613	56.590	ug/l		96
49) 1,4-Dioxane	9.694	88	33898	1194.662	ug/l	#	82
51) 4-Methyl-2-Pentanone	10.441	43	561957	286.520	ug/l		97
52) Toluene	10.630	92	229773	53.949	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	134769	51.239	ug/l		99
54) cis-1,3-Dichloropropene	10.306	75	142978	51.361	ug/l		95
55) 1,1,2-Trichloroethane	11.012	97	85041	53.007	ug/l		96
56) Ethyl methacrylate	10.871	69	139998	60.328	ug/l		94
57) 1,3-Dichloropropane	11.159	76	148819	54.049	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	313736	288.918	ug/l		95
59) 2-Hexanone	11.194	43	415570	291.095	ug/l		96
60) Dibromochloromethane	11.359	129	103955	56.853	ug/l		100
61) 1,2-Dibromoethane	11.465	107	87232	53.096	ug/l		99
64) Tetrachloroethene	11.100	164	74811	52.253	ug/l		98
65) Chlorobenzene	11.888	112	246450	51.181	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	92836	55.427	ug/l		97
67) Ethyl Benzene	11.959	91	436251	54.275	ug/l		100
68) m/p-Xylenes	12.071	106	331346	108.888	ug/l		98
69) o-Xylene	12.394	106	159179	55.918	ug/l		97
70) Styrene	12.412	104	278012	55.985	ug/l		99
71) Bromoform	12.576	173	69573	55.203	ug/l	#	97
73) Isopropylbenzene	12.694	105	413792	54.153	ug/l		100
74) N-amyl acetate	12.494	43	171747	52.810	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.935	83	126946	49.773	ug/l		97
76) 1,2,3-Trichloropropane	12.994	75	164692	75.560	ug/l		58
77) Bromobenzene	12.976	156	102740	50.015	ug/l		92
78) n-propylbenzene	13.035	91	472992	52.824	ug/l		99
79) 2-Chlorotoluene	13.123	91	304575	52.058	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	356319	56.263	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	43555	47.407	ug/l		98
82) 4-Chlorotoluene	13.218	91	303261	49.253	ug/l		98
83) tert-Butylbenzene	13.435	119	307629	58.692	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	358117	54.788	ug/l		98
85) sec-Butylbenzene	13.618	105	398386	53.808	ug/l		99
86) p-Isopropyltoluene	13.729	119	341371	56.220	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	186228	46.454	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	186440	50.749	ug/l		100
89) n-Butylbenzene	14.053	91	276493	48.679	ug/l		99
90) Hexachloroethane	14.329	117	65775	48.574	ug/l		97
91) 1,2-Dichlorobenzene	14.106	146	189180	49.109	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	27364	52.960	ug/l		99
93) 1,2,4-Trichlorobenzene	15.388	180	98246	46.595	ug/l		100
94) Hexachlorobutadiene	15.500	225	45226	48.843	ug/l		96
95) Naphthalene	15.641	128	313685	49.703	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	97158	47.468	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084909.D
Acq On : 17 Nov 2024 20:49
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 18 00:29:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

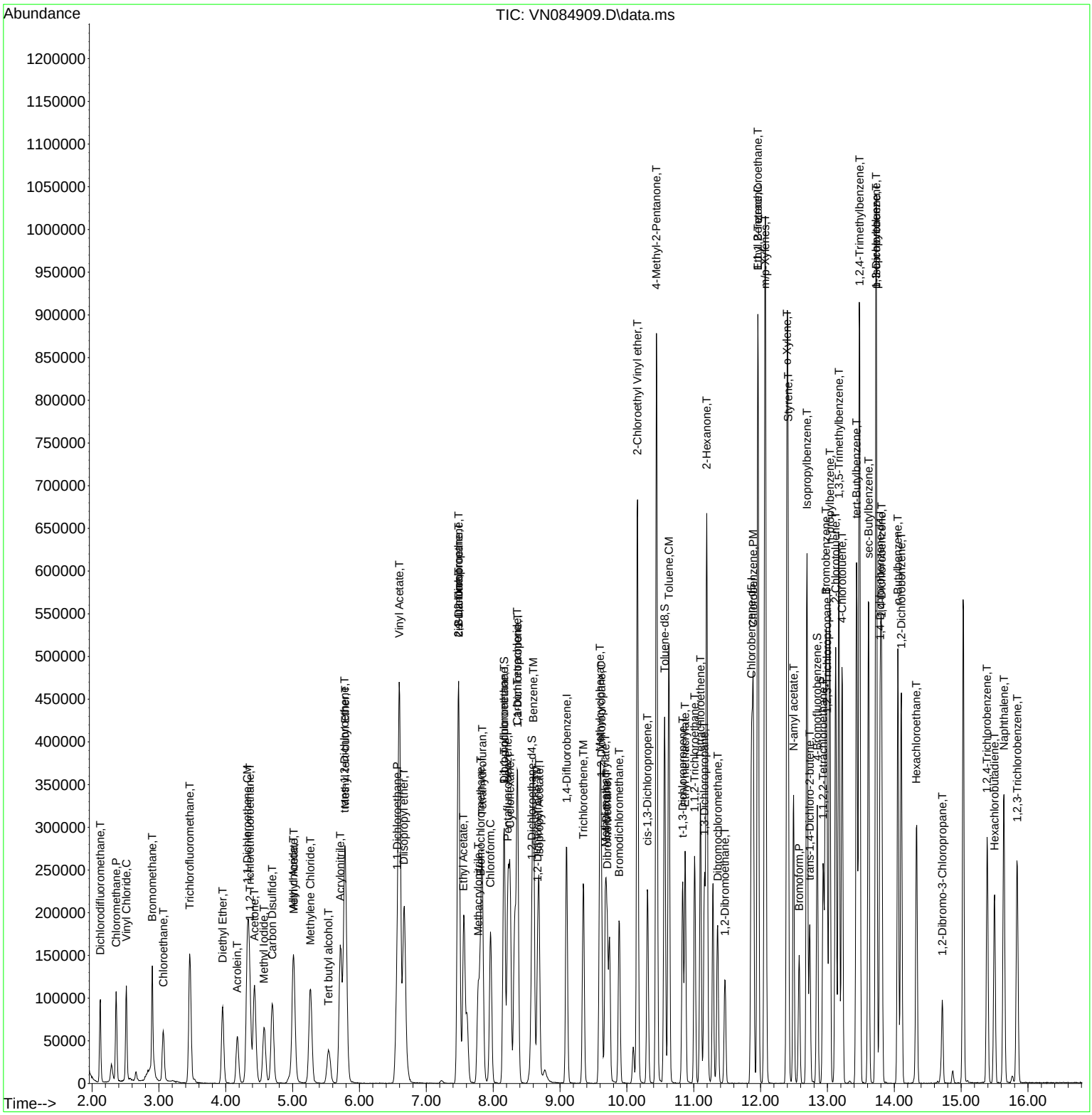
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

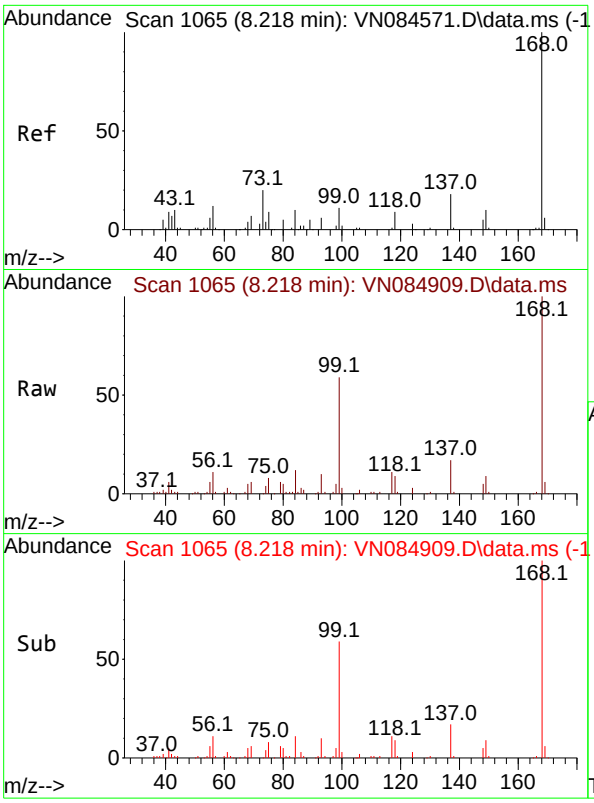
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
Data File : VN084909.D
Acq On : 17 Nov 2024 20:49
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 18 00:29:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



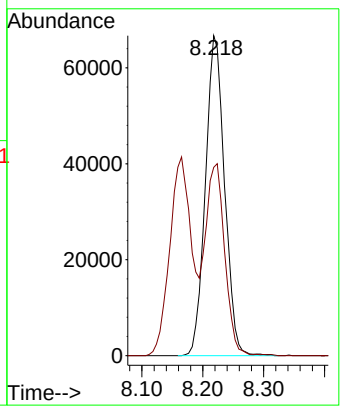


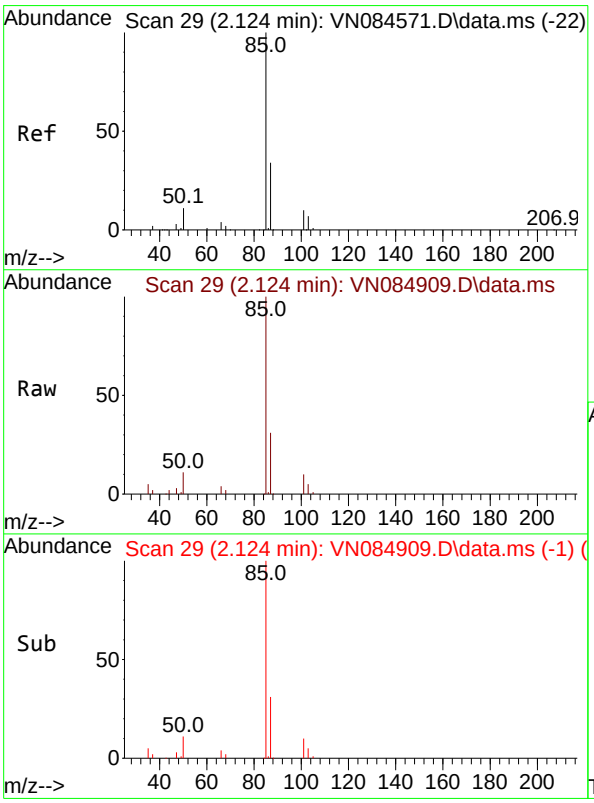
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 145777

Ion	Ratio	Lower	Upper
168	100		
99	58.9	54.2	81.2

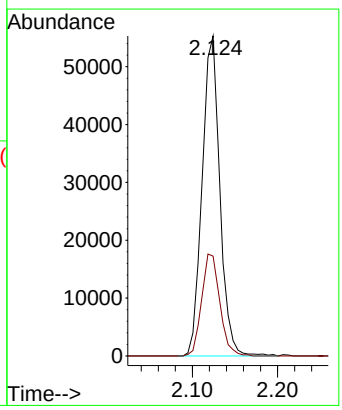


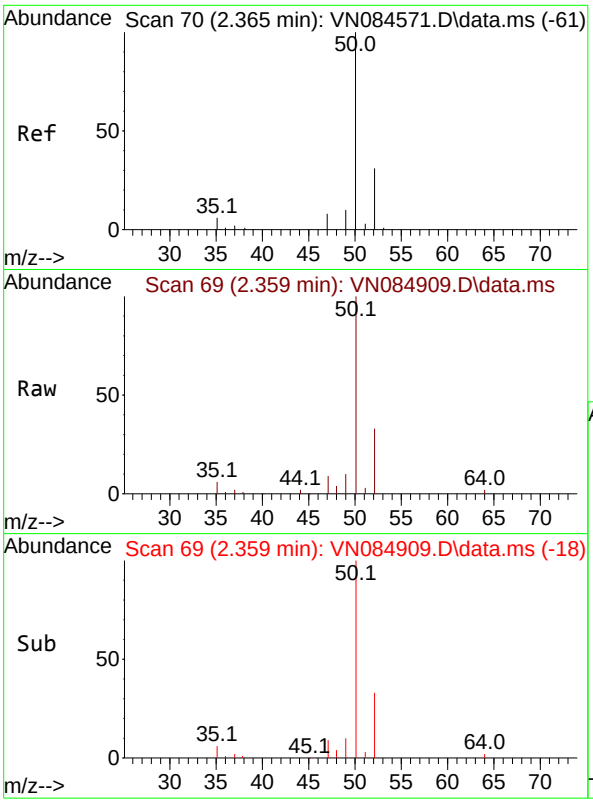


#2
Dichlorodifluoromethane
Concen: 47.733 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 85 Resp: 79992

Ion	Ratio	Lower	Upper
85	100		
87	31.2	17.6	52.9



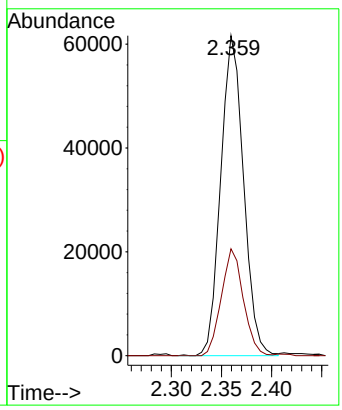


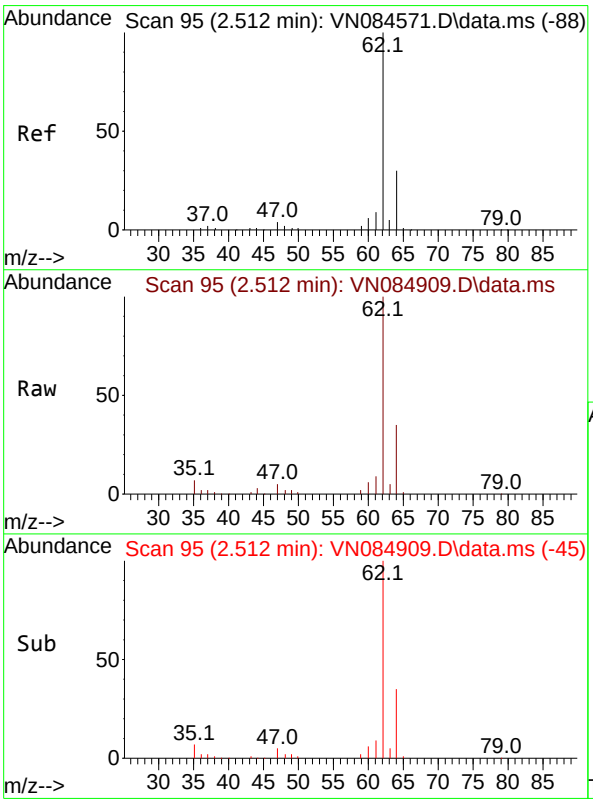
#3
Chloromethane
Concen: 49.616 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 97604

Ion	Ratio	Lower	Upper
50	100		
52	33.4	26.8	40.2

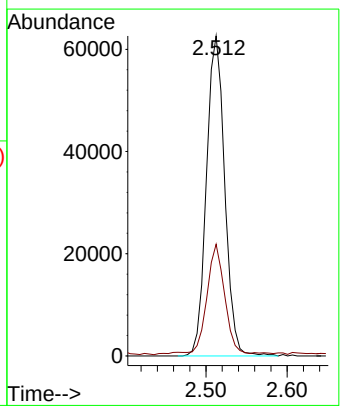


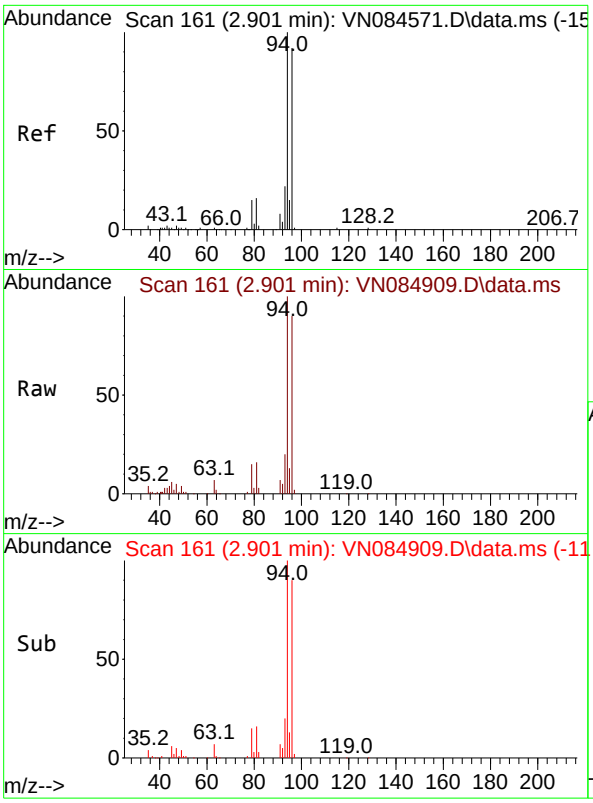


#4
Vinyl Chloride
Concen: 54.288 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 62 Resp: 97851

Ion	Ratio	Lower	Upper
62	100		
64	34.0	26.2	39.4



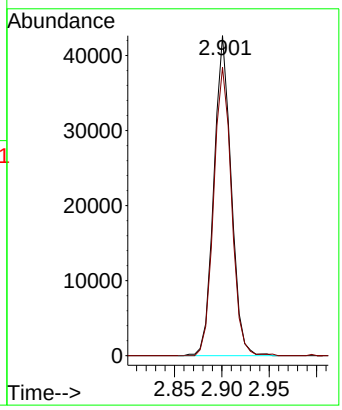


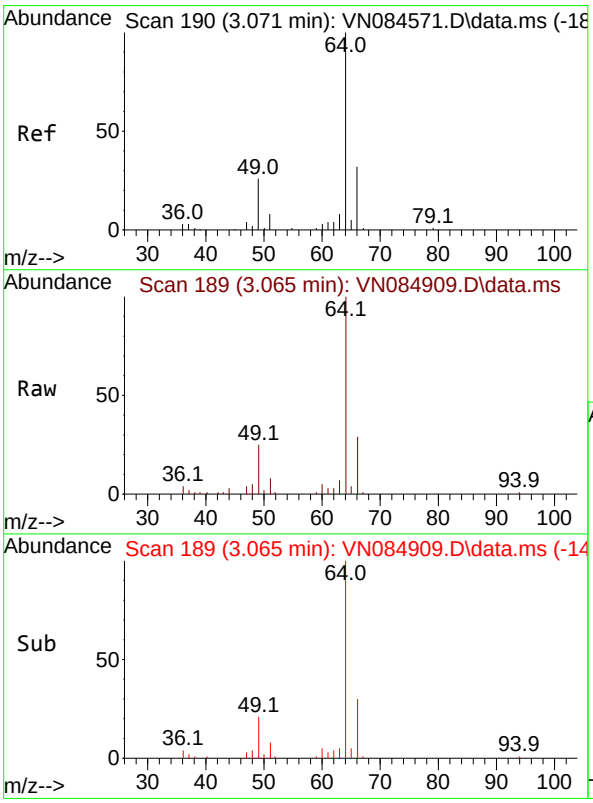
#5
Bromomethane
Concen: 56.714 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.052 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 54161

Ion	Ratio	Lower	Upper
94	100		
96	90.1	72.9	109.3

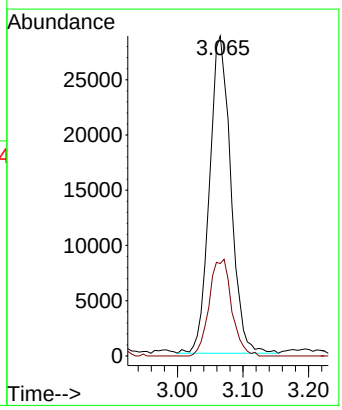


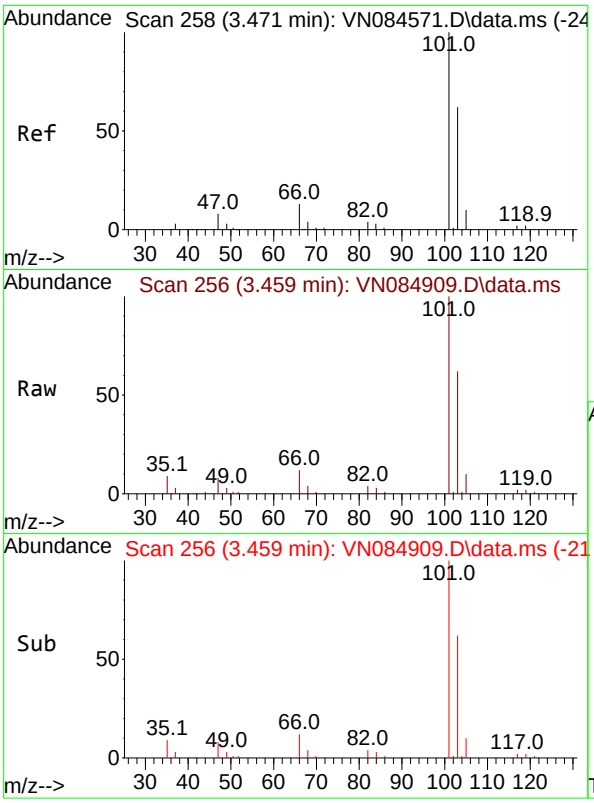


#6
Chloroethane
Concen: 58.229 ug/l
RT: 3.065 min Scan# 189
Delta R.T. -0.053 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 64 Resp: 64712

Ion	Ratio	Lower	Upper
64	100		
66	29.2	23.5	35.3



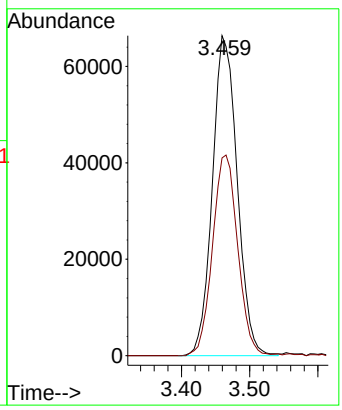


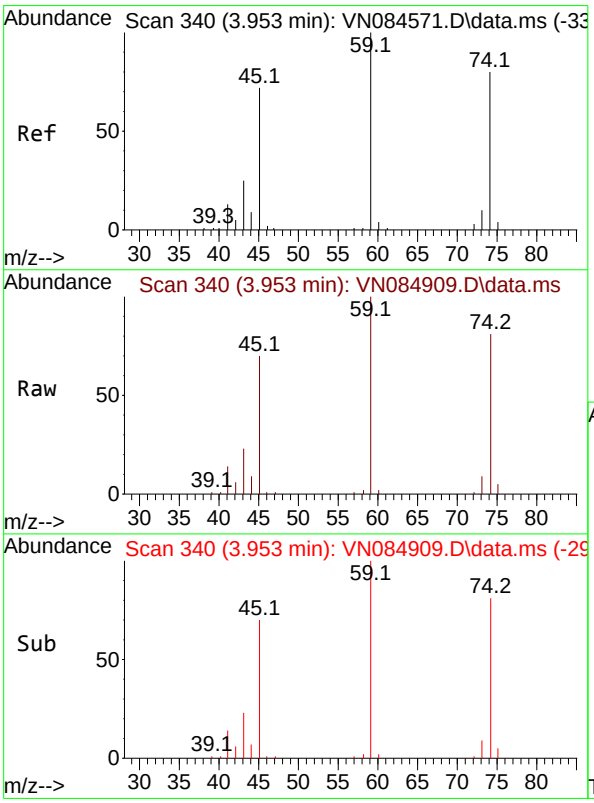
#7
Trichlorofluoromethane
Concen: 56.645 ug/l
RT: 3.459 min Scan# 2
Delta R.T. -0.036 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 168186

Ion	Ratio	Lower	Upper
101	100		
103	61.8	51.8	77.6

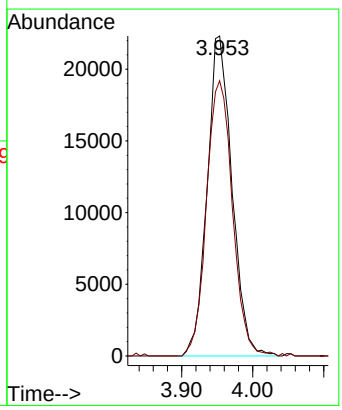


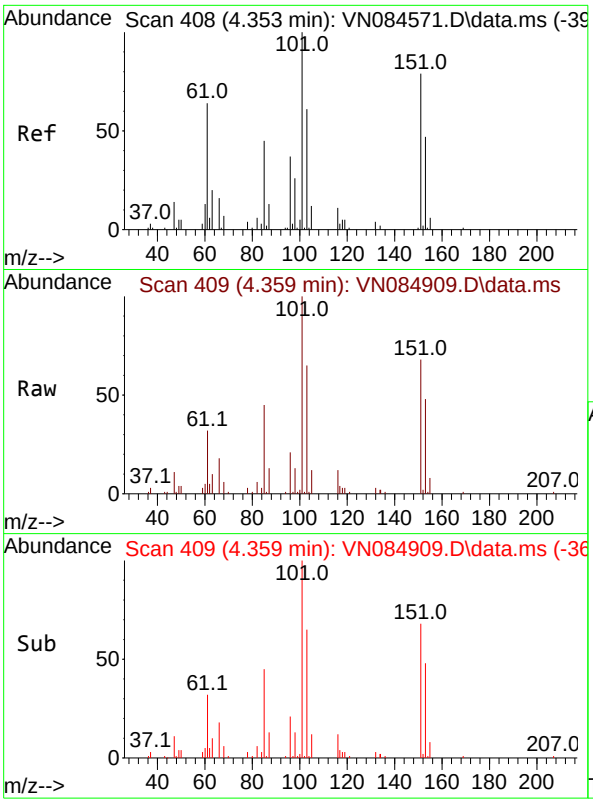


#8
Diethyl Ether
Concen: 51.651 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 74 Resp: 54099

Ion	Ratio	Lower	Upper
74	100		
45	90.0	47.7	143.1



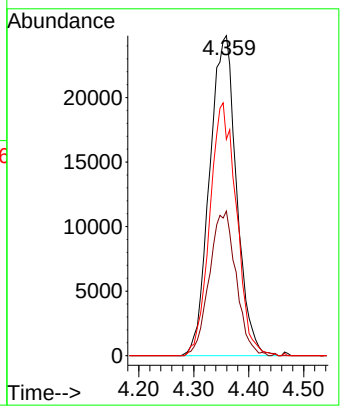


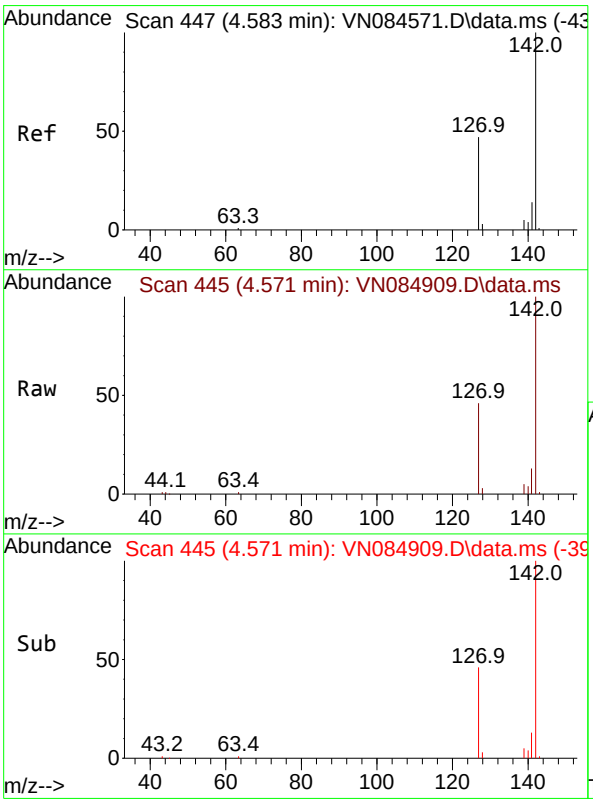
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.316 ug/l
RT: 4.359 min Scan# 4(
Delta R.T. -0.012 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 84417

Ion	Ratio	Lower	Upper
101	100		
85	44.8	36.2	54.4
151	78.1	59.3	88.9

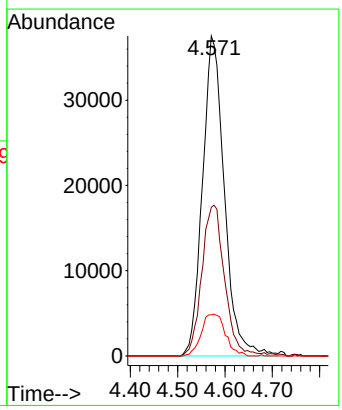


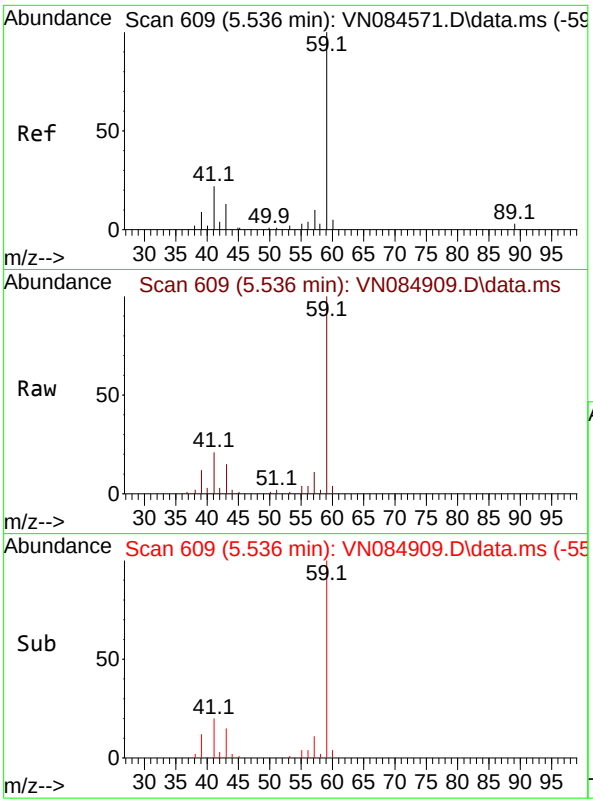


#10
Methyl Iodide
Concen: 53.717 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.023 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:142 Resp: 120448

Ion	Ratio	Lower	Upper
142	100		
127	46.5	35.3	52.9
141	12.8	11.0	16.6



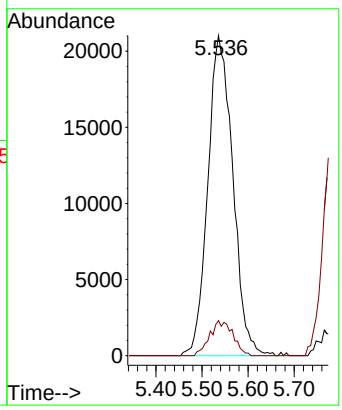


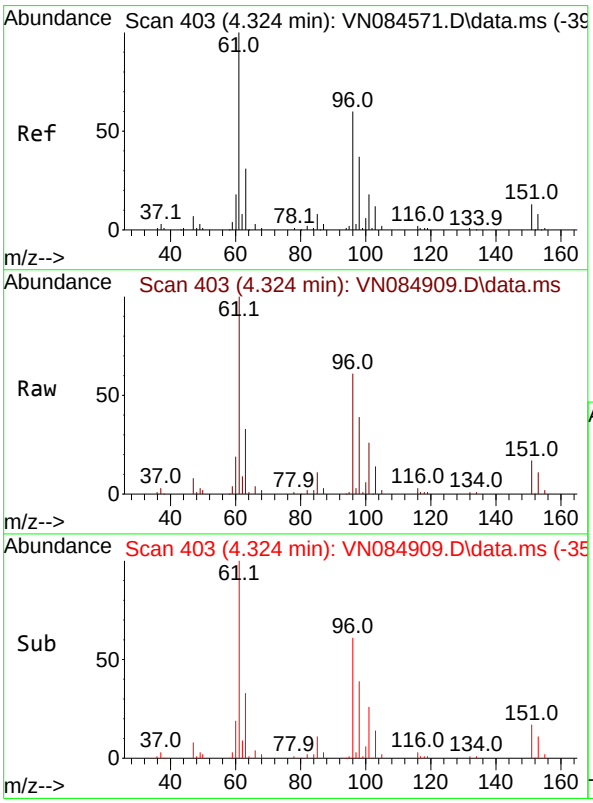
#11
Tert butyl alcohol
Concen: 284.691 ug/l
RT: 5.536 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 79122

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

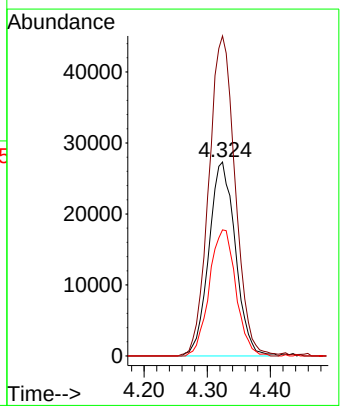


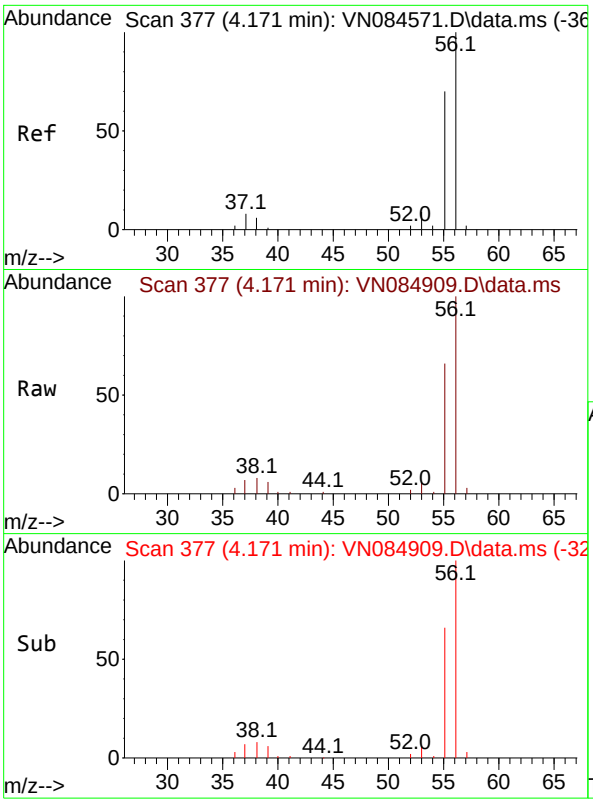


#12
1,1-Dichloroethene
Concen: 48.018 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 96 Resp: 79715

Ion	Ratio	Lower	Upper
96	100		
61	165.0	128.6	192.8
98	65.0	51.7	77.5



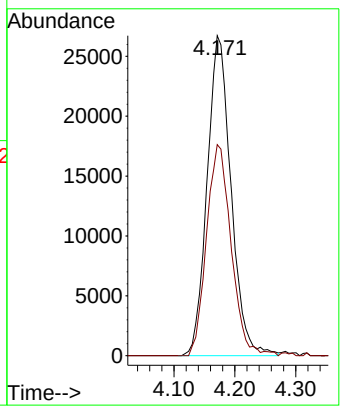


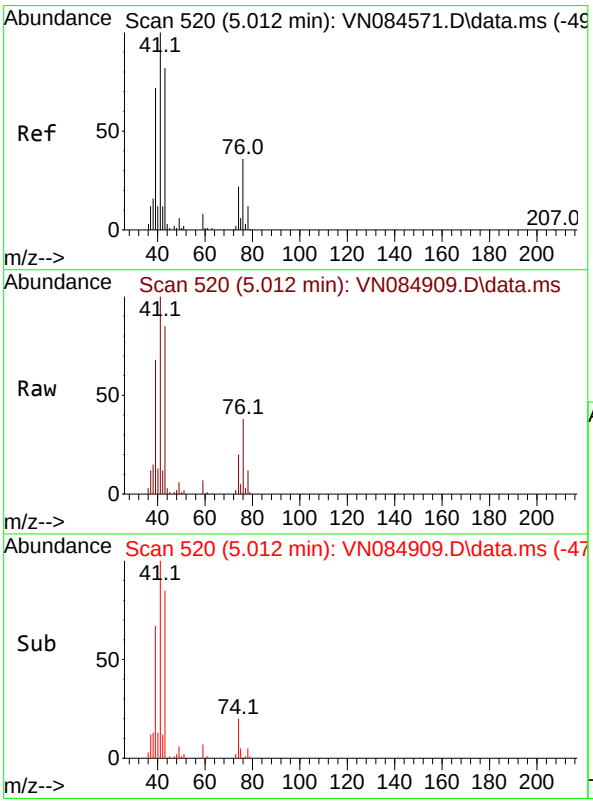
#13
Acrolein
Concen: 262.980 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 72881

Ion	Ratio	Lower	Upper
56	100		
55	67.9	57.2	85.8

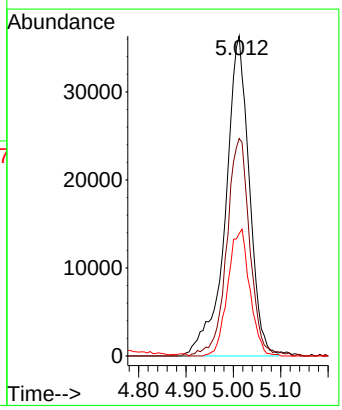


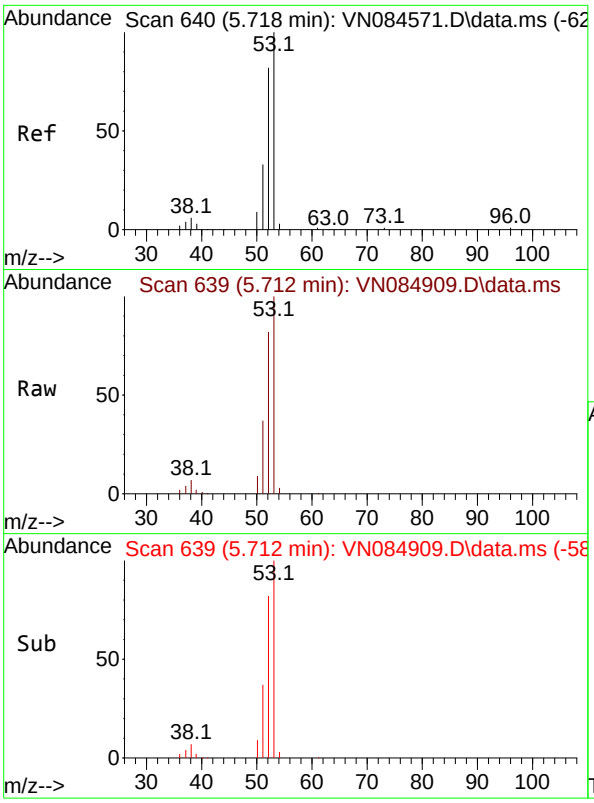


#14
Allyl chloride
Concen: 47.154 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 41 Resp: 126951

Ion	Ratio	Lower	Upper
41	100		
39	65.8	59.0	88.6
76	36.6	29.8	44.6



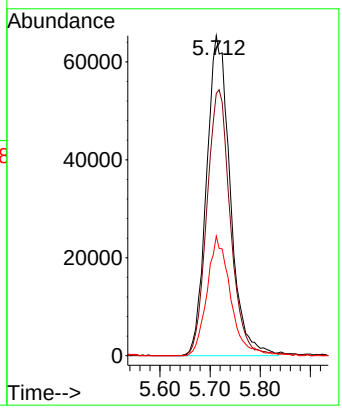


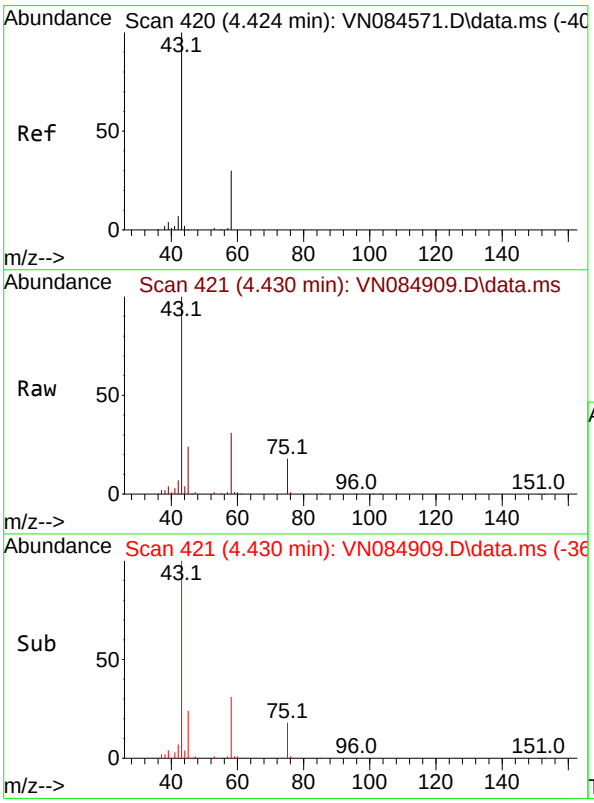
#15
Acrylonitrile
Concen: 266.072 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 214074

Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.2	99.4
51	37.2	28.8	43.2

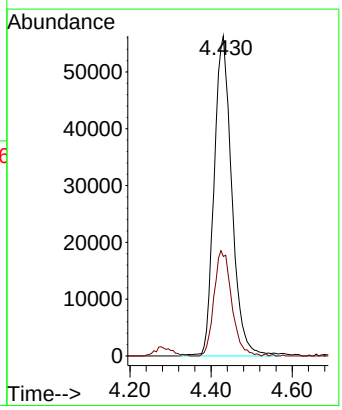


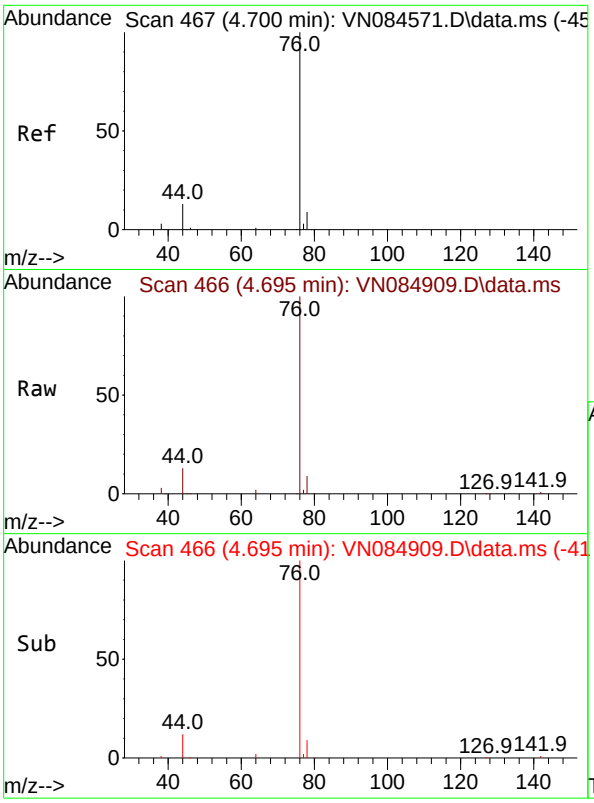


#16
Acetone
Concen: 280.559 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 43 Resp: 170425

Ion	Ratio	Lower	Upper
43	100		
58	31.1	24.4	36.6



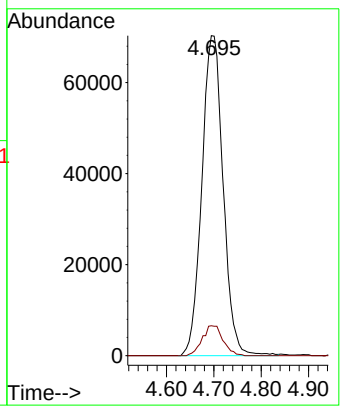


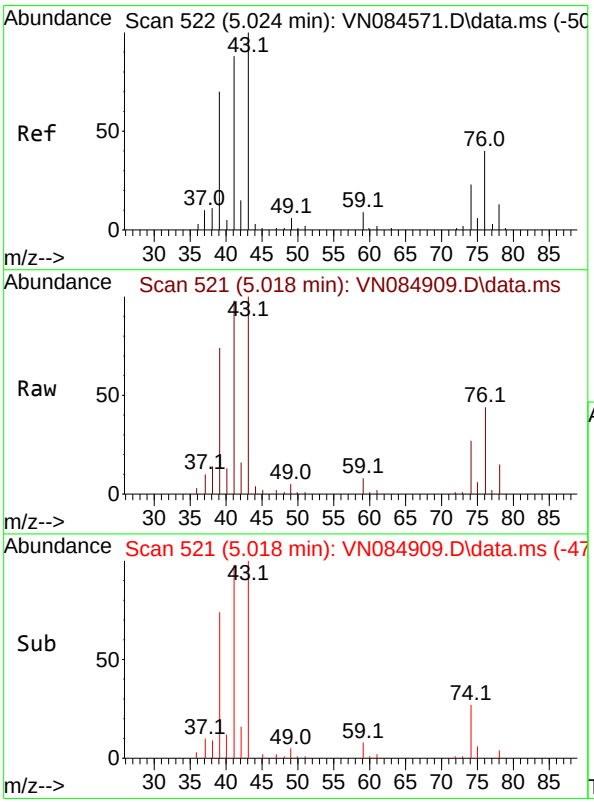
#17
Carbon Disulfide
Concen: 42.937 ug/l
RT: 4.695 min Scan# 4
Delta R.T. -0.017 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 219507

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

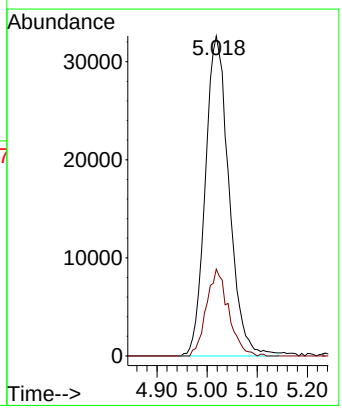


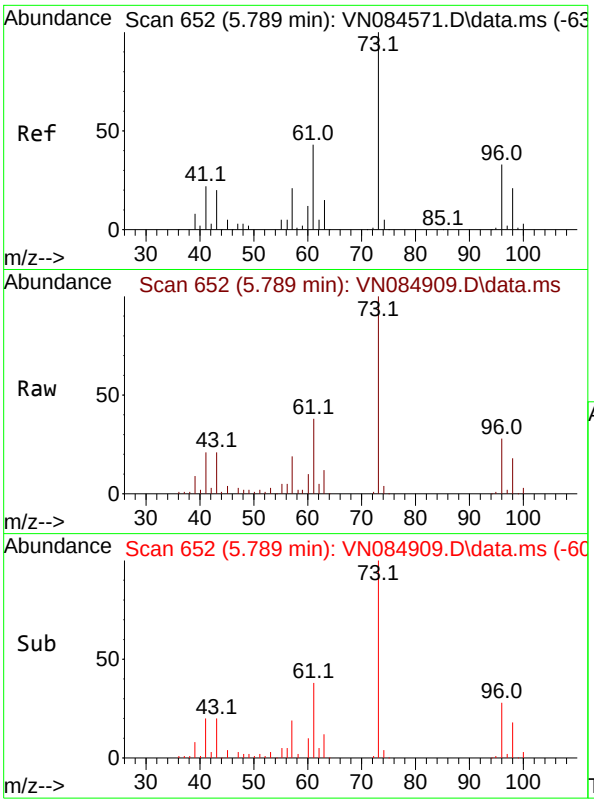


#18
Methyl Acetate
Concen: 48.083 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 43 Resp: 107167

Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.2	28.8



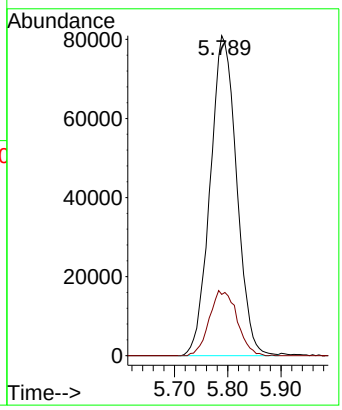


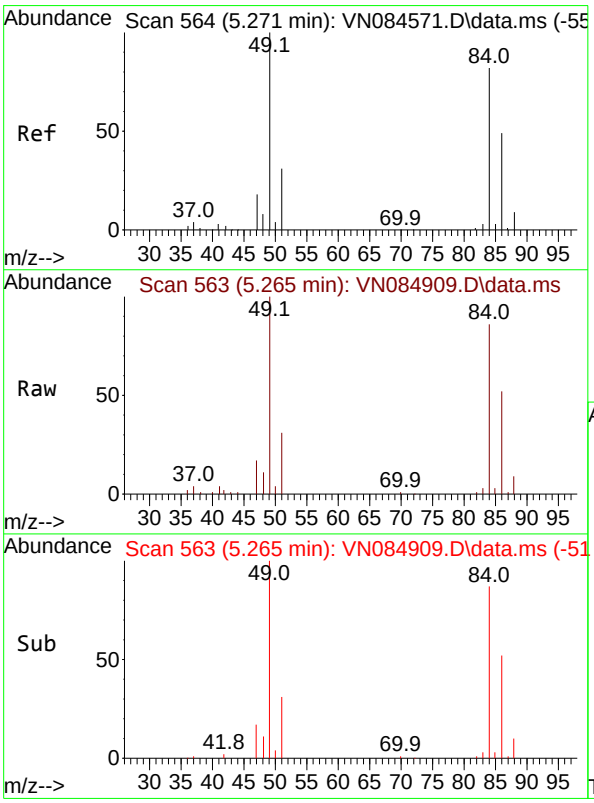
#19
Methyl tert-butyl Ether
Concen: 54.872 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 279206

Ion	Ratio	Lower	Upper
73	100		
57	19.1	17.7	26.5

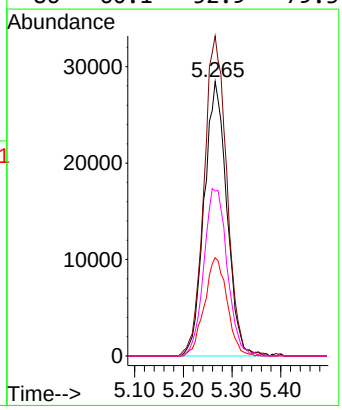


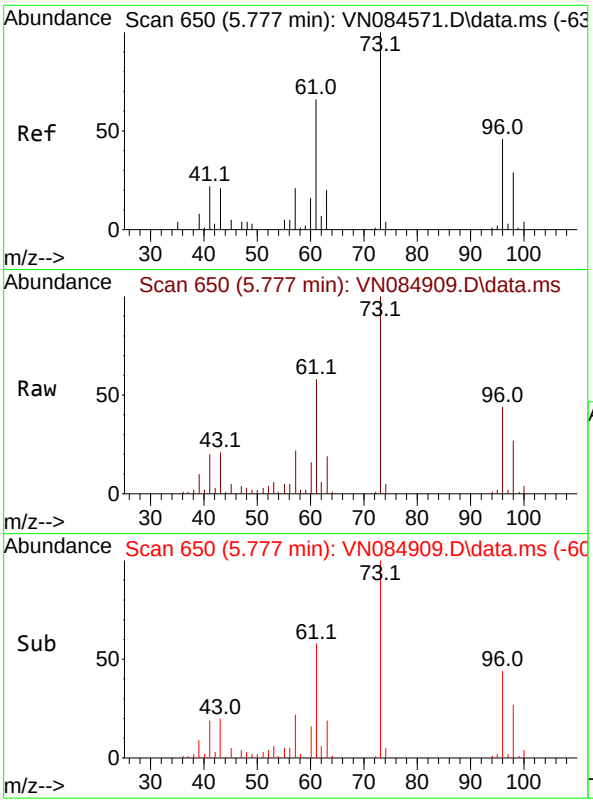


#20
Methylene Chloride
Concen: 49.583 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 84 Resp: 91819

Ion	Ratio	Lower	Upper
84	100		
49	116.6	107.2	160.8
51	35.8	31.8	47.8
86	60.1	52.9	79.3



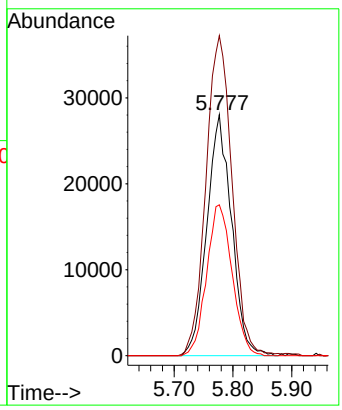


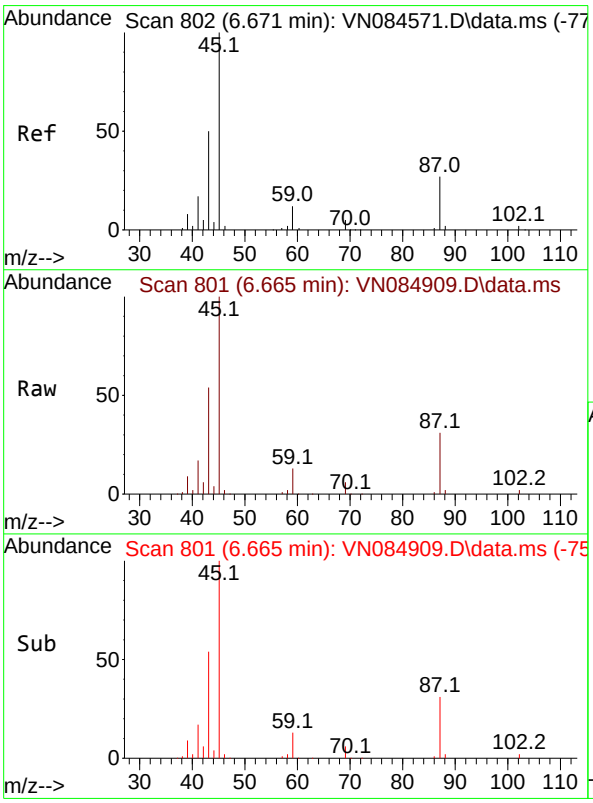
#21
trans-1,2-Dichloroethene
Concen: 47.876 ug/l
RT: 5.777 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 81611

Ion	Ratio	Lower	Upper
96	100		
61	132.8	108.4	162.6
98	62.6	49.8	74.8

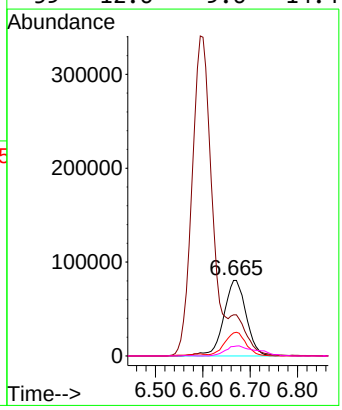


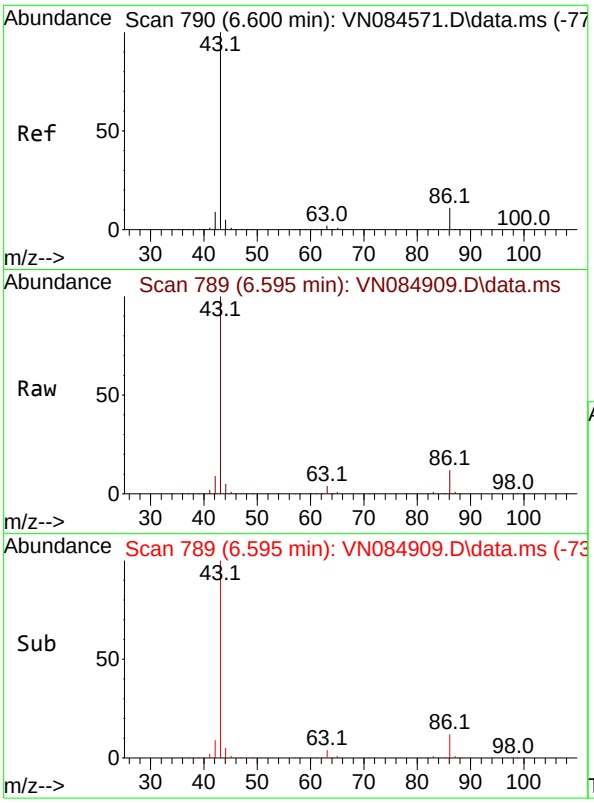


#22
Diisopropyl ether
Concen: 49.523 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 45 Resp: 264926

Ion	Ratio	Lower	Upper
45	100		
43	53.3	42.3	63.5
87	30.3	21.8	32.6
59	12.6	9.6	14.4



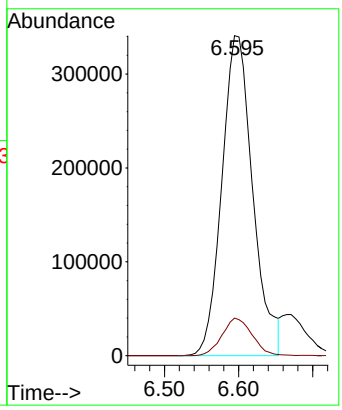


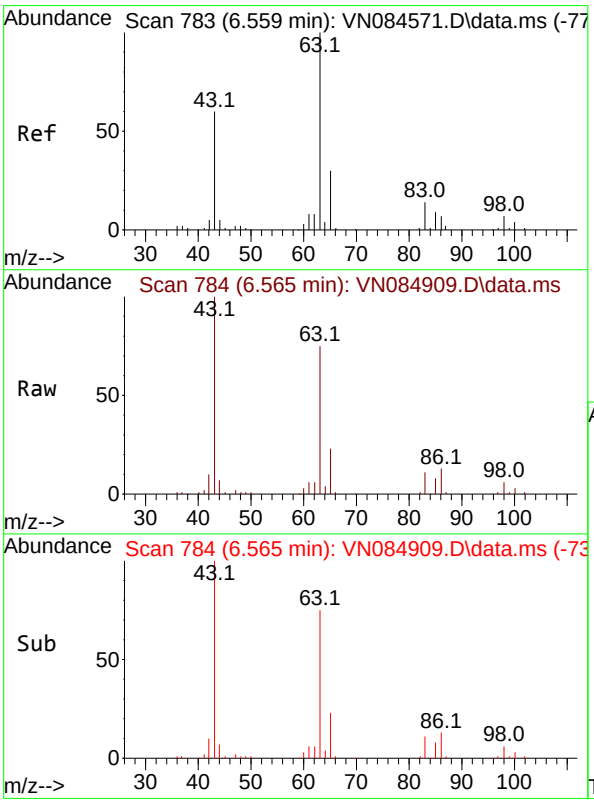
#23
Vinyl Acetate
Concen: 268.251 ug/l
RT: 6.595 min Scan# 7
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 989607

Ion	Ratio	Lower	Upper
43	100		
86	11.8	8.6	12.8

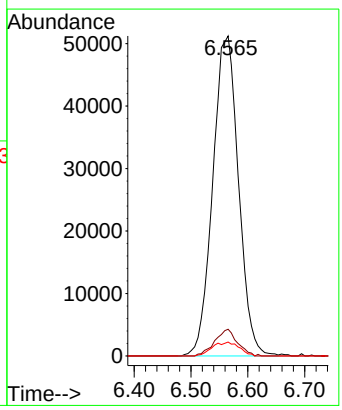


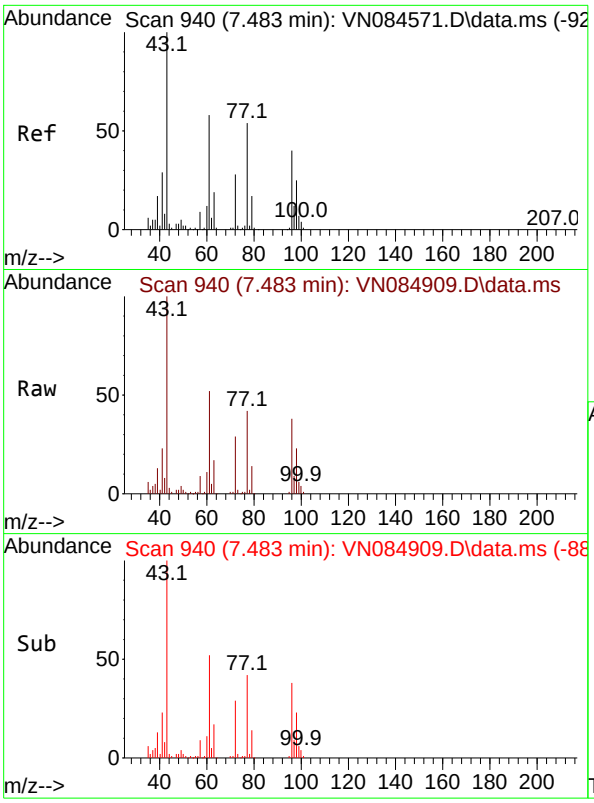


#24
1,1-Dichloroethane
Concen: 50.177 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 63 Resp: 161155

Ion	Ratio	Lower	Upper
63	100		
98	8.4	3.4	10.2
100	4.4	2.0	5.8



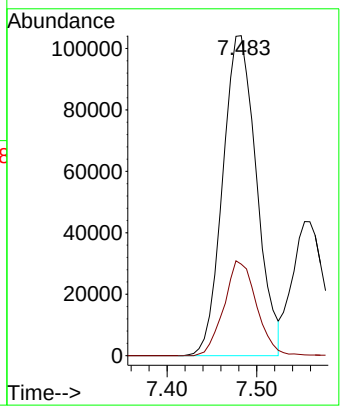


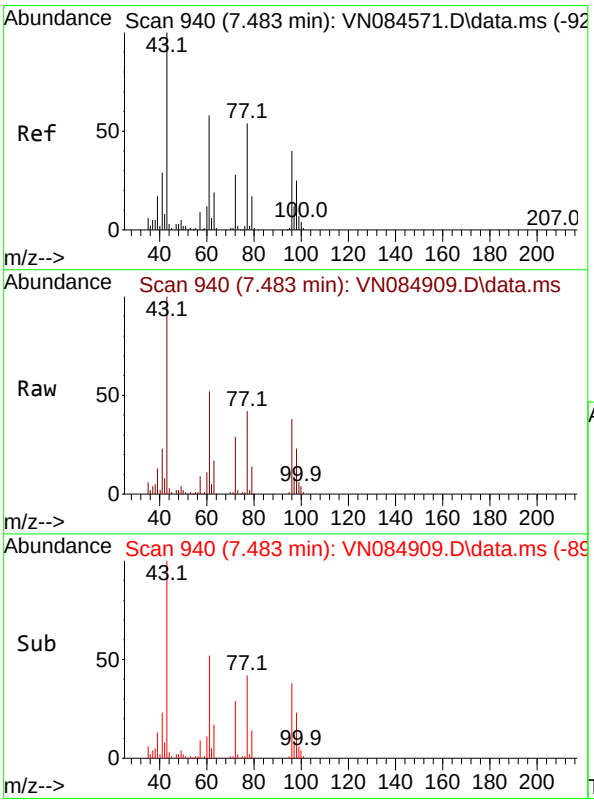
#25
2-Butanone
Concen: 277.435 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 272521

Ion	Ratio	Lower	Upper
43	100		
72	28.6	21.4	32.2

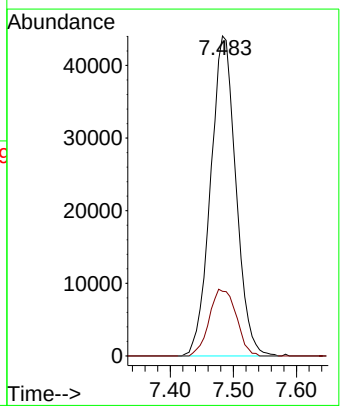


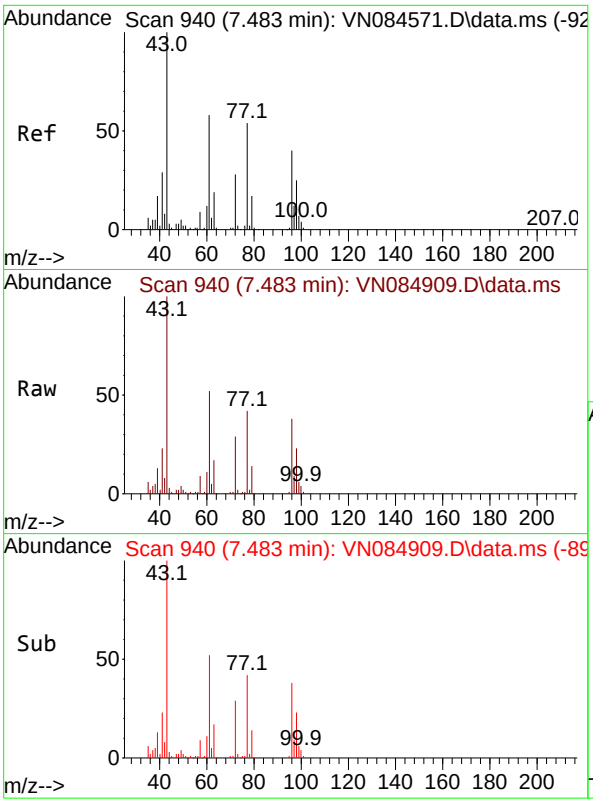


#26
2,2-Dichloropropane
Concen: 43.894 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 77 Resp: 122701

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.8	32.3



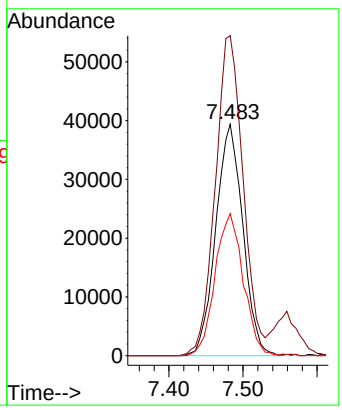


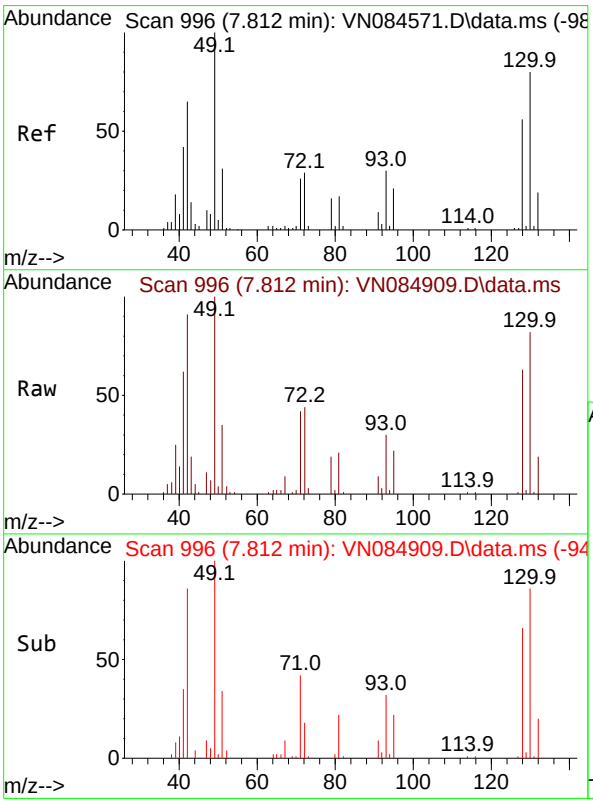
#27
cis-1,2-Dichloroethene
Concen: 50.211 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 99940

Ion	Ratio	Lower	Upper
96	100		
61	142.1	0.0	301.8
98	63.9	0.0	128.2

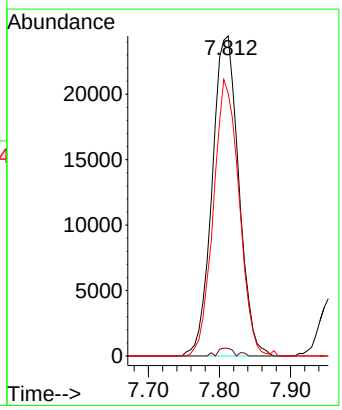


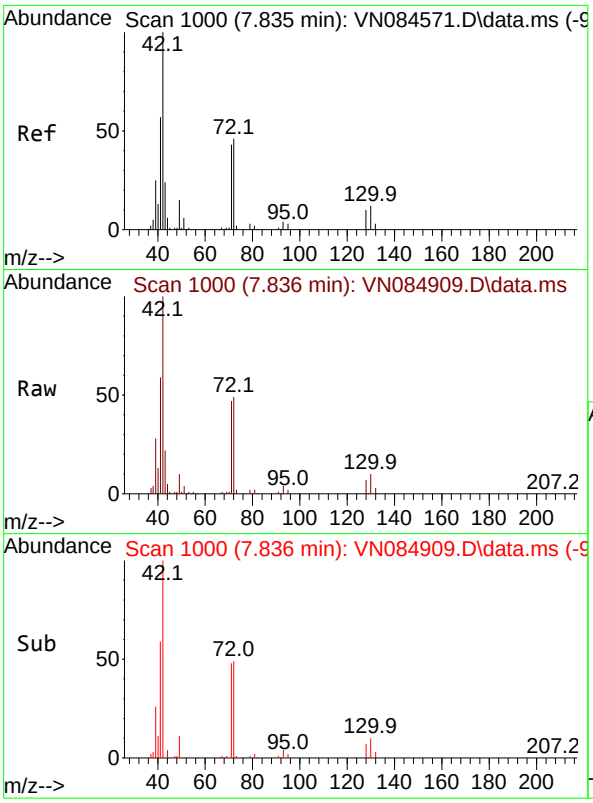


#28
Bromochloromethane
Concen: 49.734 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 49 Resp: 63639

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.6
130	83.5	58.0	87.0



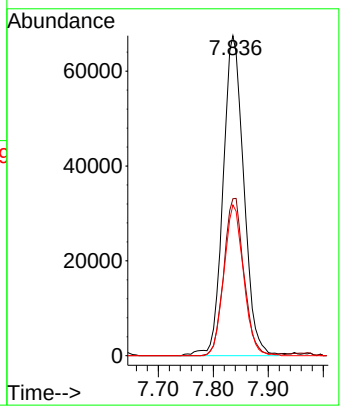


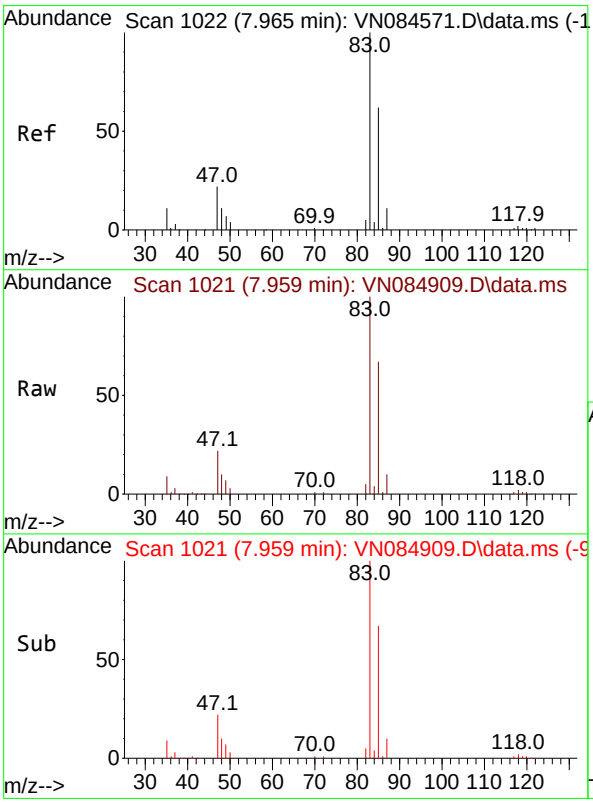
#29
Tetrahydrofuran
Concen: 270.935 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 176559

Ion	Ratio	Lower	Upper
42	100		
72	47.8	34.6	51.8
71	44.8	32.2	48.4

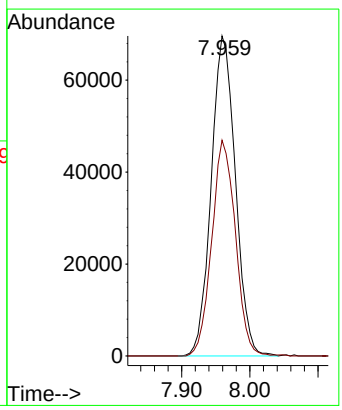


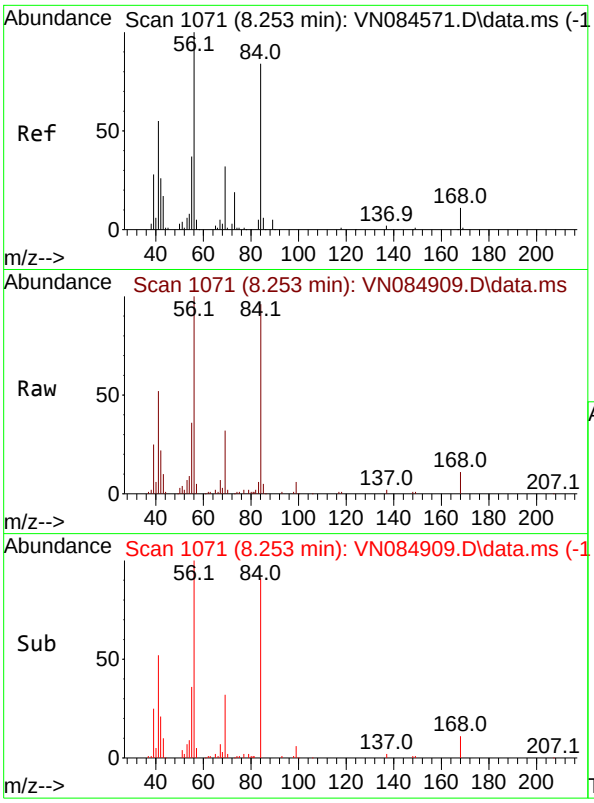


#30
Chloroform
Concen: 52.598 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 83 Resp: 171940

Ion	Ratio	Lower	Upper
83	100		
85	67.4	51.0	76.4



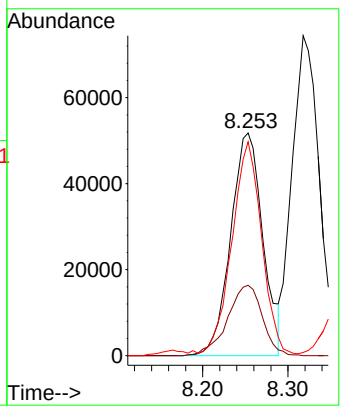


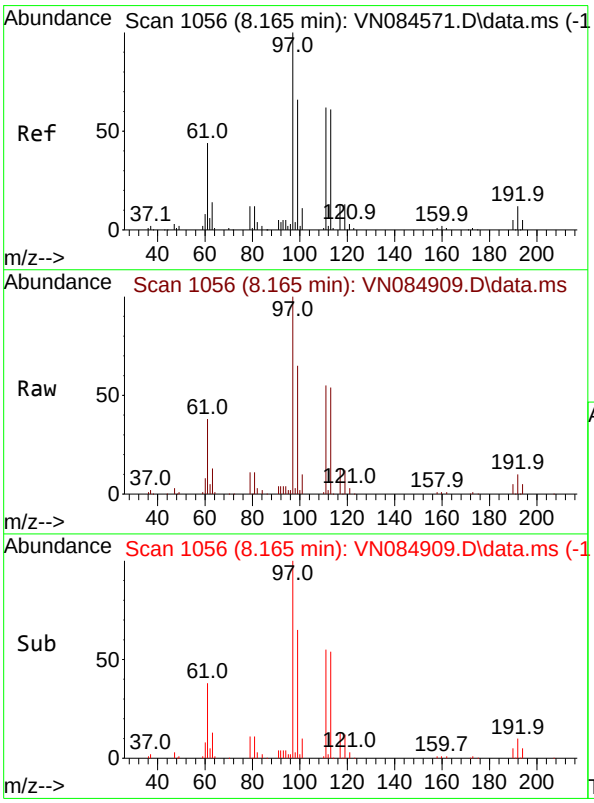
#31
Cyclohexane
Concen: 46.814 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 136081

Ion	Ratio	Lower	Upper
56	100		
69	31.6	23.8	35.6
84	94.2	68.8	103.2

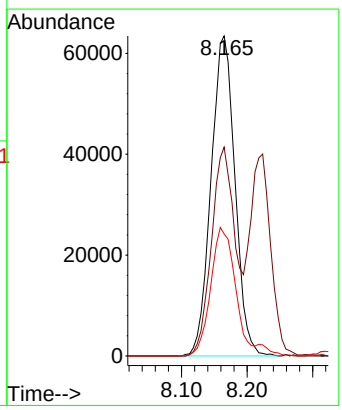


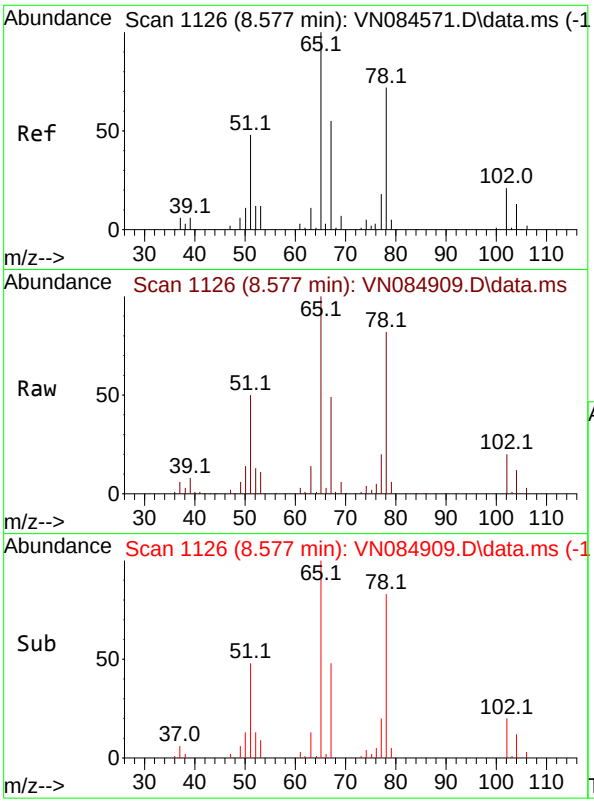


#32
1,1,1-Trichloroethane
Concen: 53.939 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 97 Resp: 160486

Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.2	76.8
61	41.1	37.5	56.3



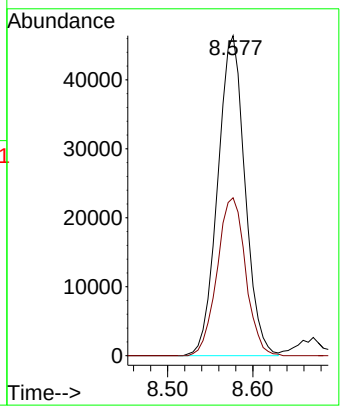


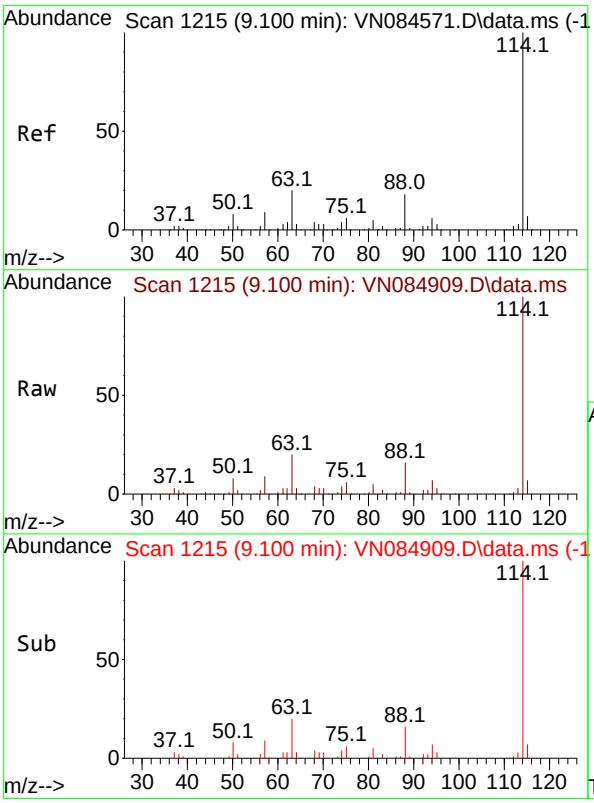
#33
1,2-Dichloroethane-d4
Concen: 48.948 ug/l
RT: 8.577 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 103060

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	102.0

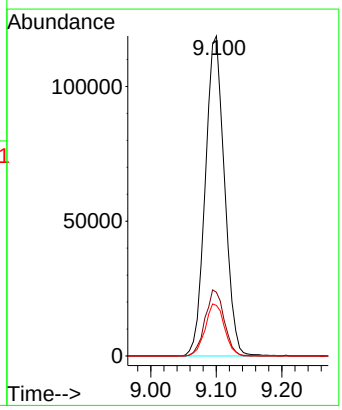


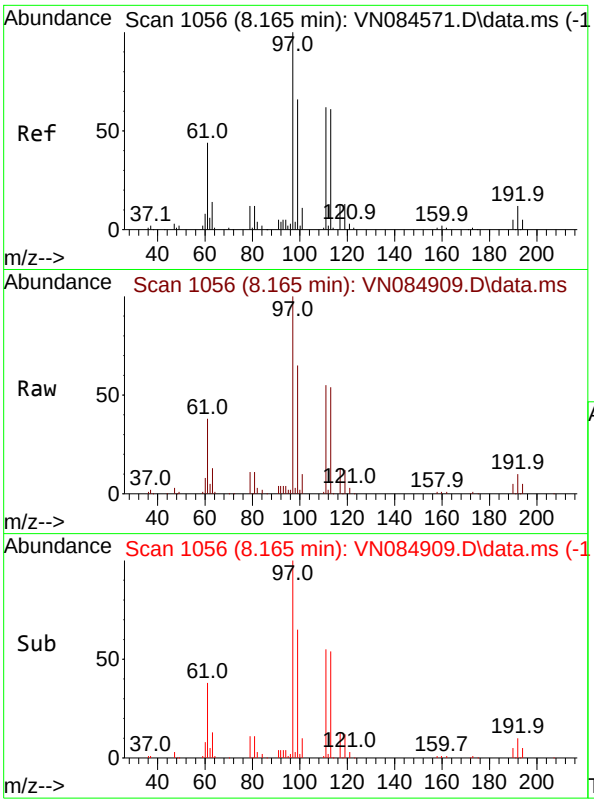


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:114 Resp: 241558

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	43.8
88	15.8	0.0	31.6



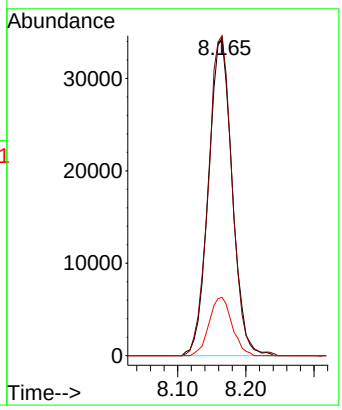


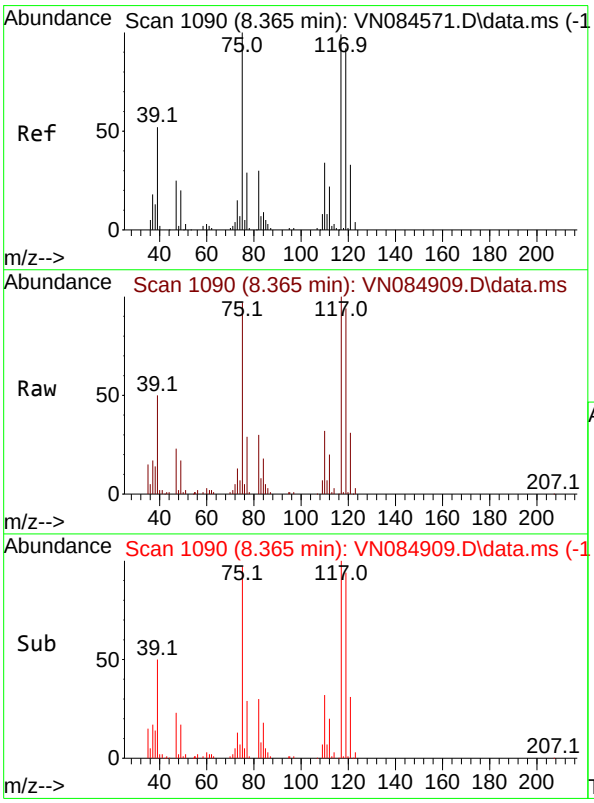
#35
Dibromofluoromethane
Concen: 50.684 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 82872

Ion	Ratio	Lower	Upper
113	100		
111	101.5	83.3	124.9
192	17.8	13.5	20.3

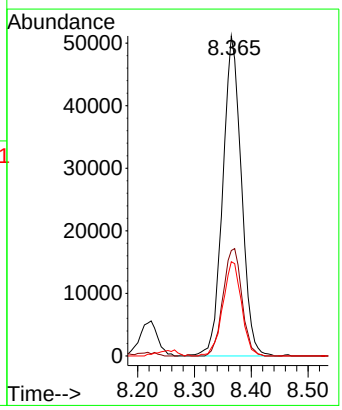


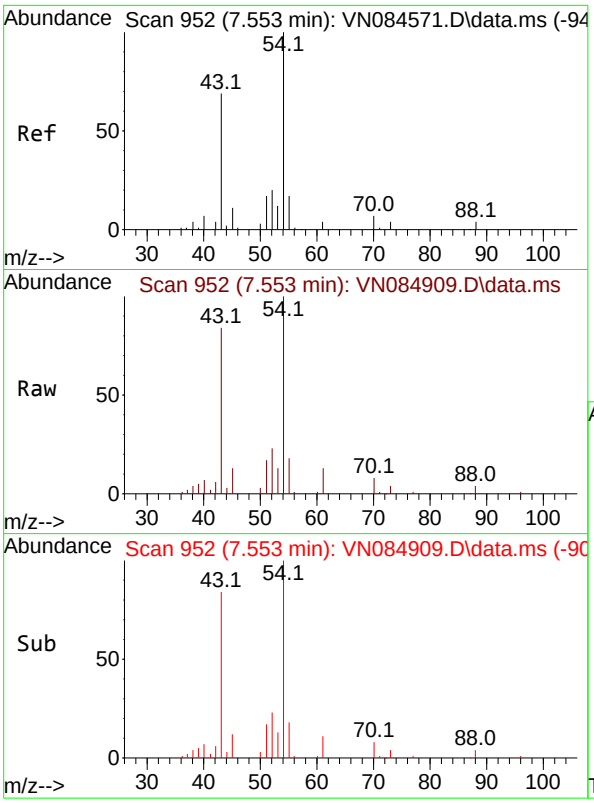


#36
1,1-Dichloropropene
Concen: 51.522 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 75 Resp: 116832

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.9	50.7
77	29.5	24.7	37.1



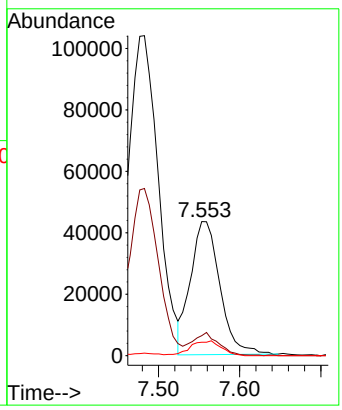


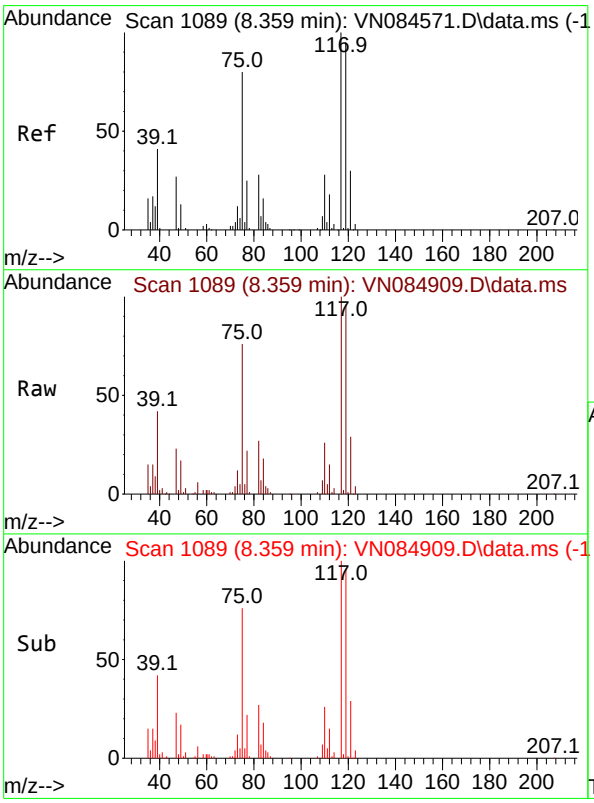
#37
Ethyl Acetate
Concen: 53.251 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 109558

Ion	Ratio	Lower	Upper
43	100		
61	15.3	10.7	16.1
70	11.5	8.8	13.2

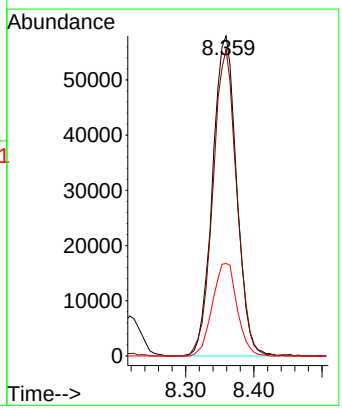


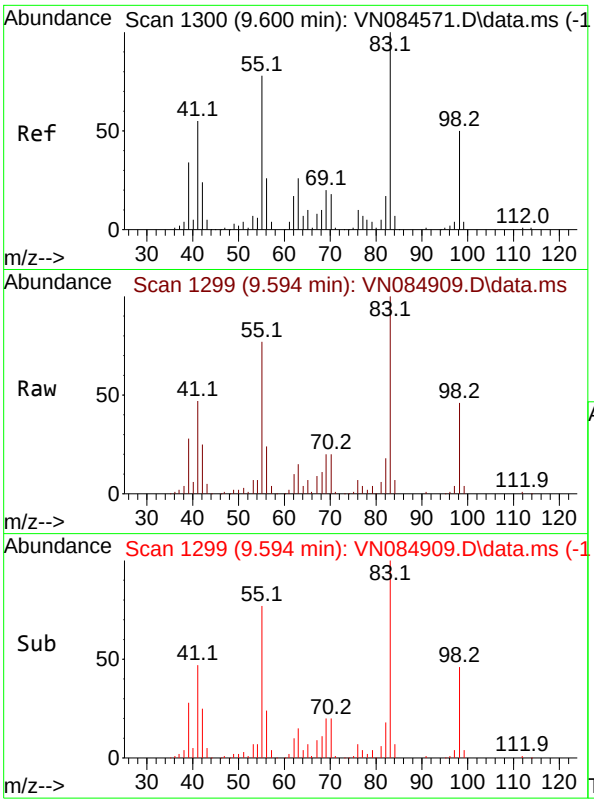


#38
Carbon Tetrachloride
Concen: 56.085 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:117 Resp: 142154

Ion	Ratio	Lower	Upper
117	100		
119	95.9	78.7	118.1
121	28.9	24.4	36.6



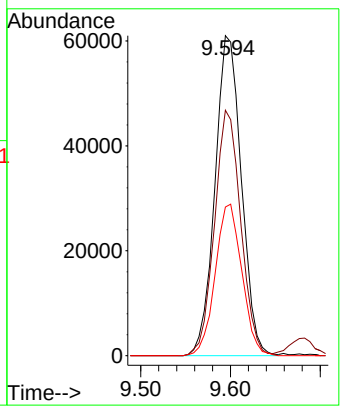


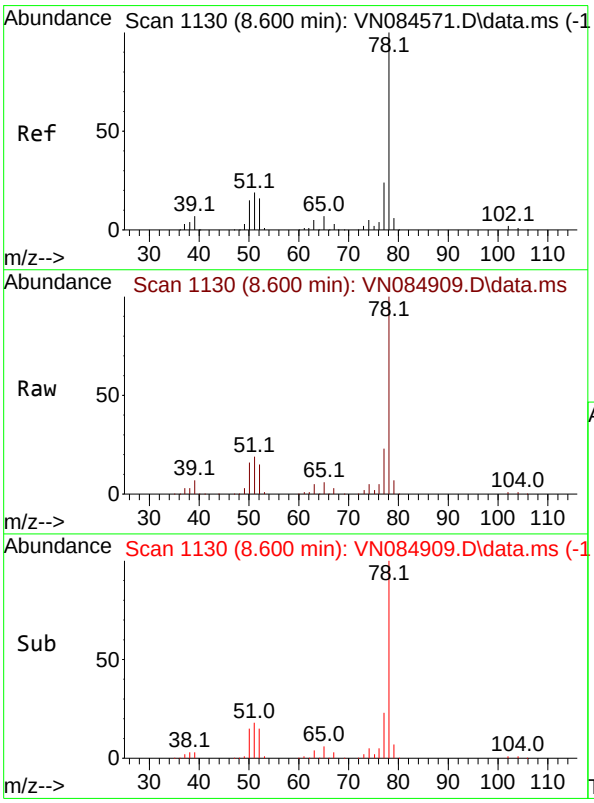
#39
Methylcyclohexane
Concen: 54.083 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 124764

Ion	Ratio	Lower	Upper
83	100		
55	76.7	62.8	94.2
98	46.5	38.8	58.2

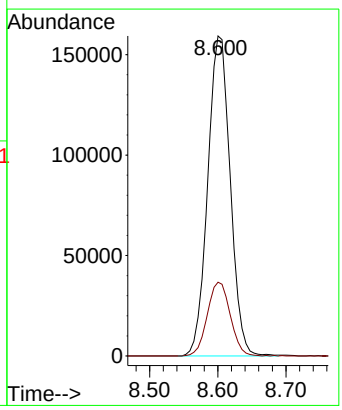


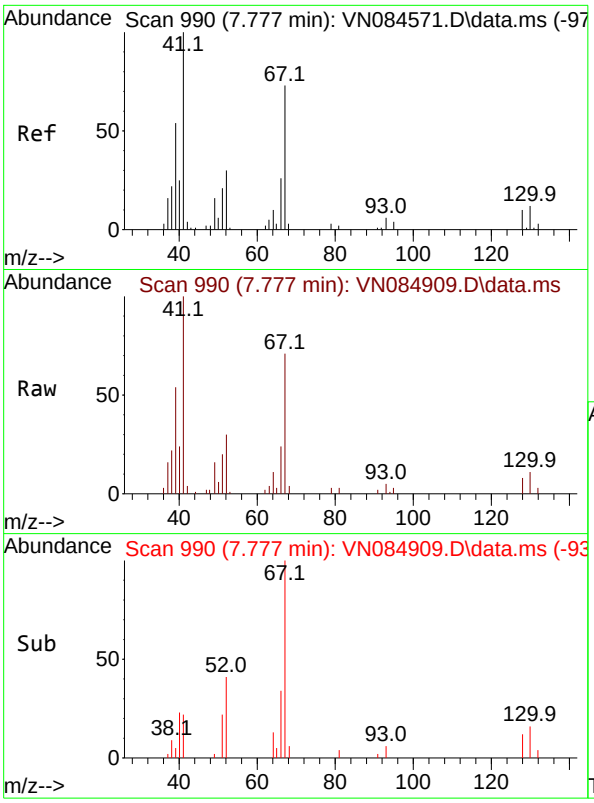


#40
Benzene
Concen: 50.209 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 78 Resp: 365643

Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.1	28.7



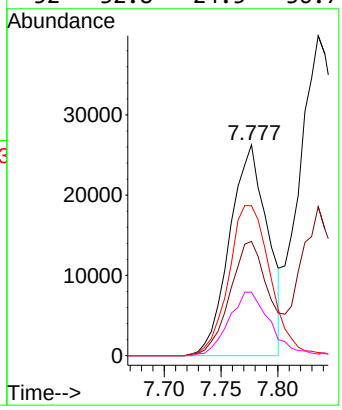


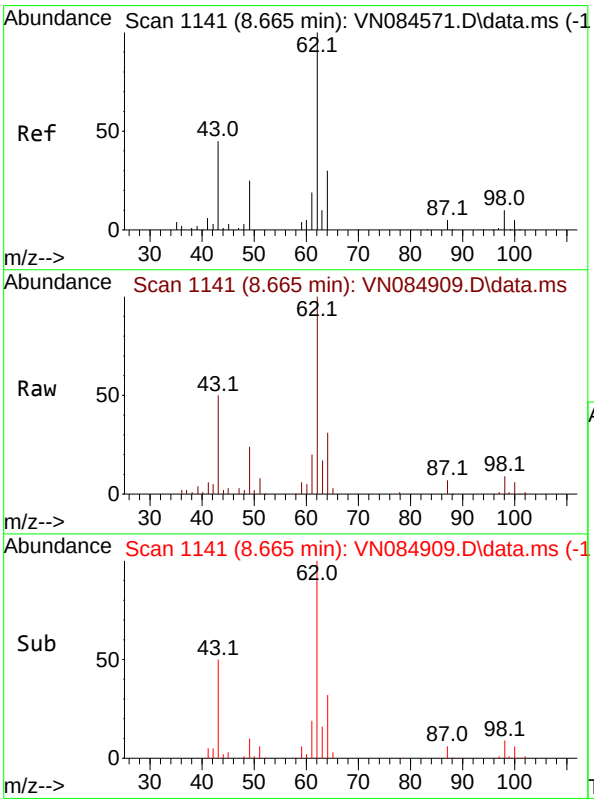
#41
Methacrylonitrile
Concen: 55.156 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 61024

Ion	Ratio	Lower	Upper
41	100		
39	56.8	43.3	64.9
67	78.4	56.1	84.1
52	32.8	24.5	36.7

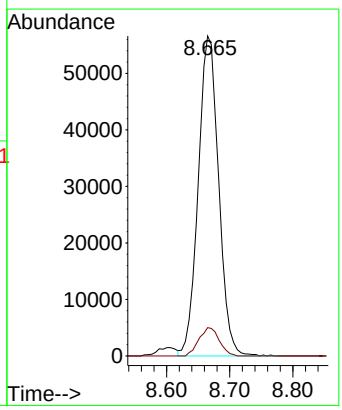


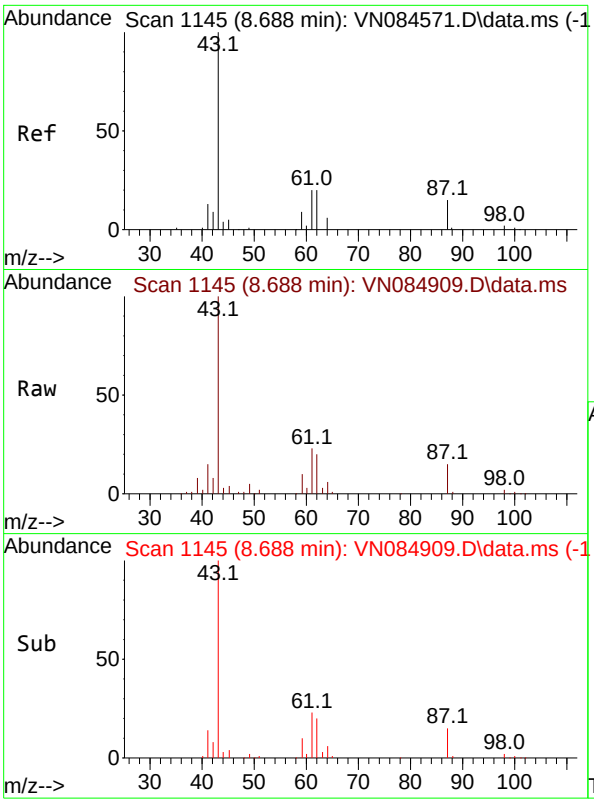


#42
1,2-Dichloroethane
Concen: 53.841 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 62 Resp: 126981

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2



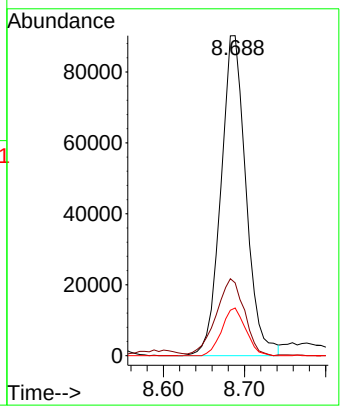


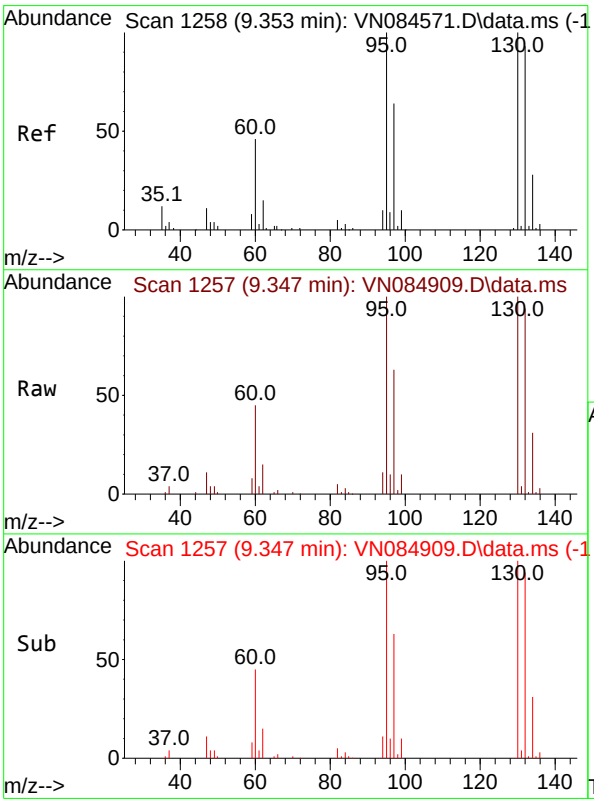
#43
Isopropyl Acetate
Concen: 51.109 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 194177

Ion	Ratio	Lower	Upper
43	100		
61	27.1	20.4	30.6
87	14.2	10.3	15.5

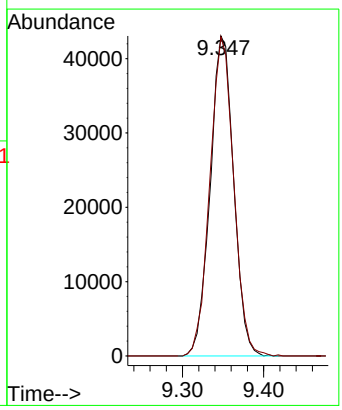


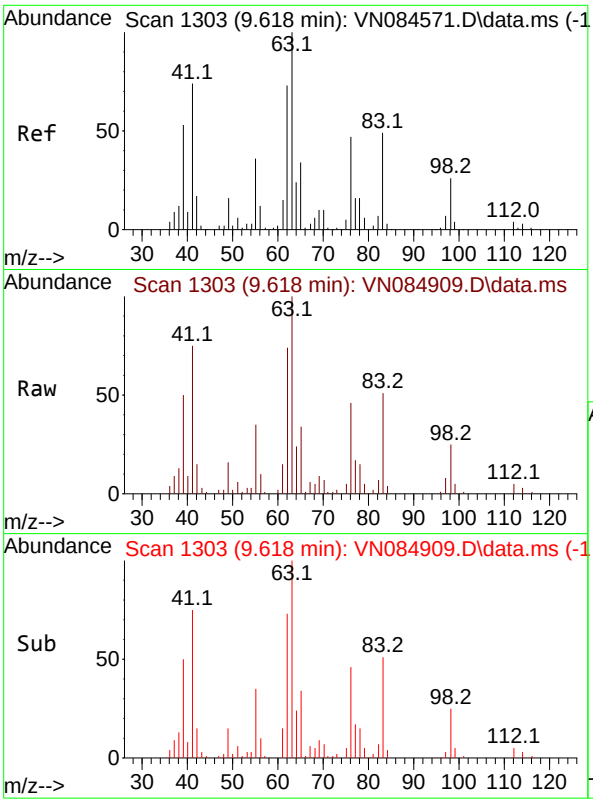


#44
Trichloroethene
Concen: 51.483 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:130 Resp: 86465

Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	203.0



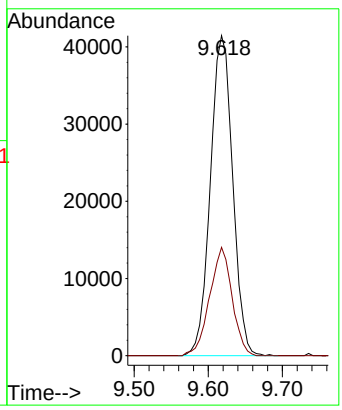


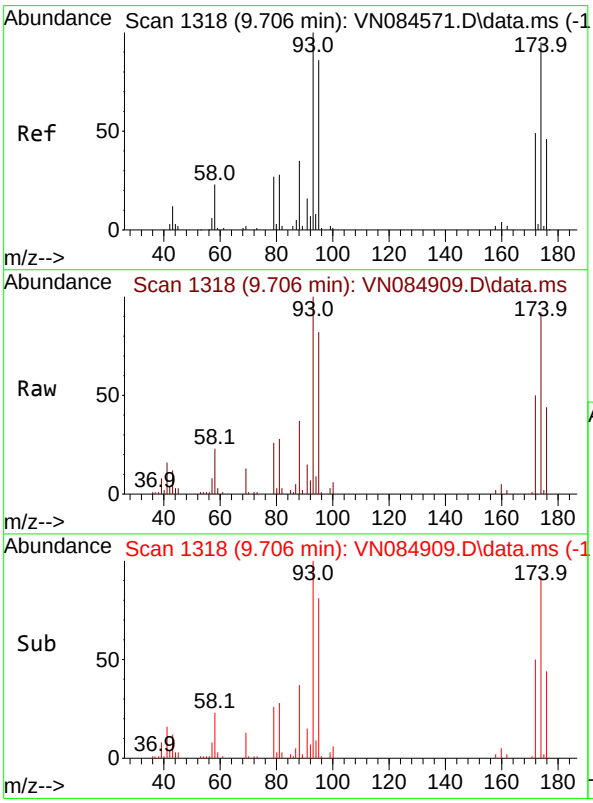
#45
1,2-Dichloropropane
Concen: 50.737 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 86675

Ion	Ratio	Lower	Upper
63	100		
65	33.9	24.6	37.0

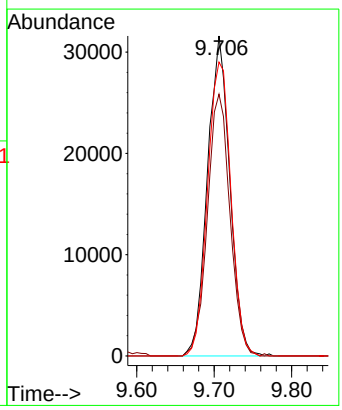


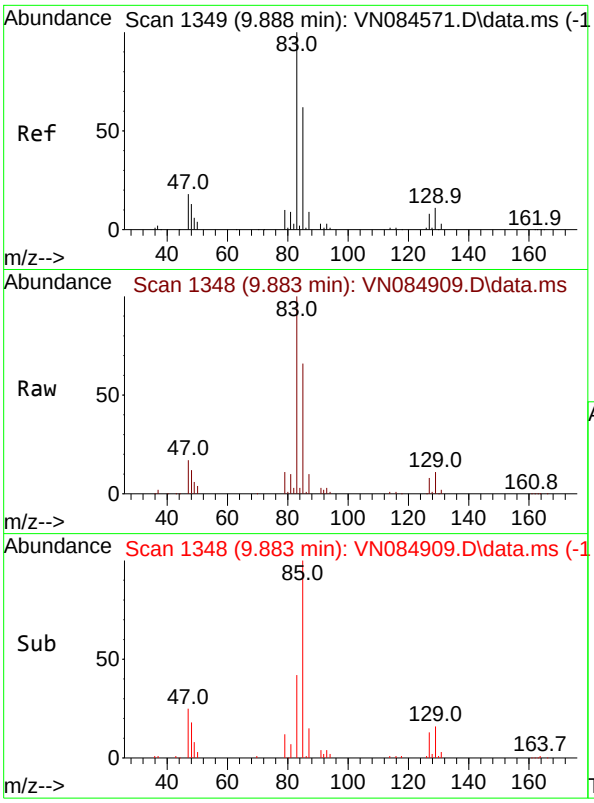


#46
Dibromomethane
Concen: 52.466 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 93 Resp: 63245

Ion	Ratio	Lower	Upper
93	100		
95	82.8	65.0	97.4
174	96.2	71.8	107.8



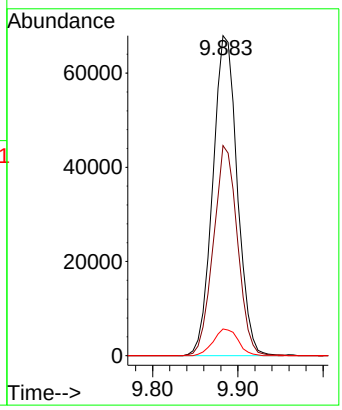


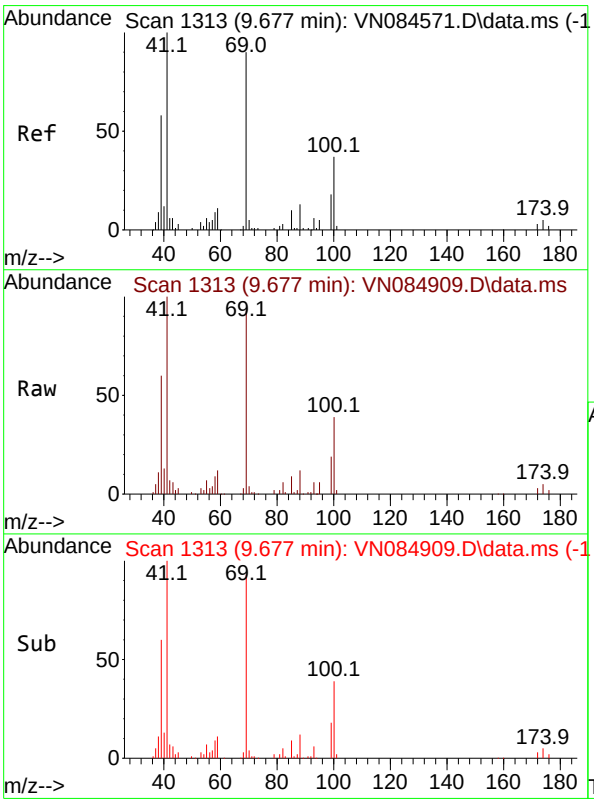
#47
Bromodichloromethane
Concen: 53.353 ug/l
RT: 9.883 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 135570

Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.5	77.3
127	8.4	5.7	8.5

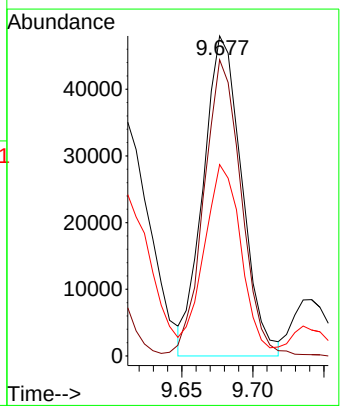


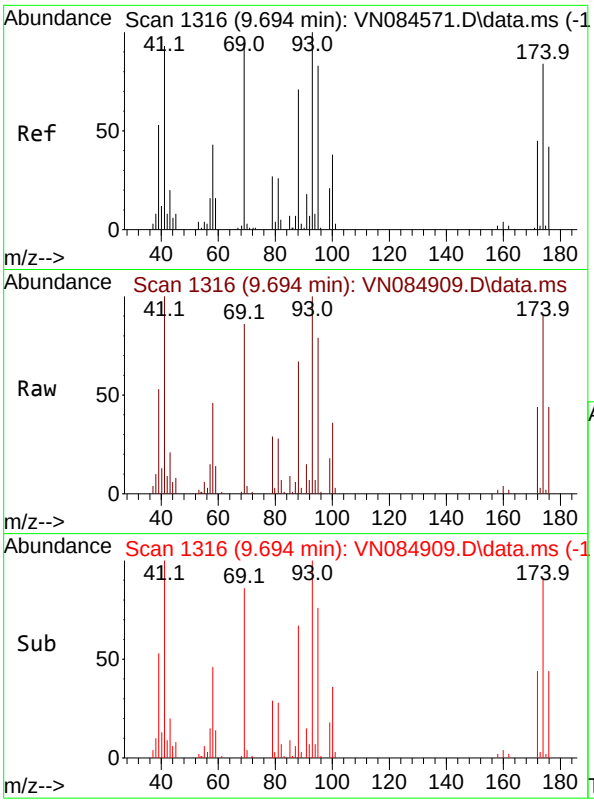


#48
Methyl methacrylate
Concen: 56.590 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 41 Resp: 90613

Ion	Ratio	Lower	Upper
41	100		
69	89.7	67.1	100.7
39	57.9	45.8	68.6



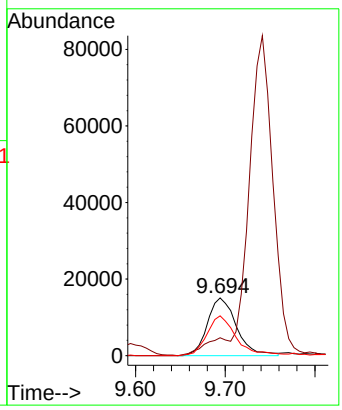


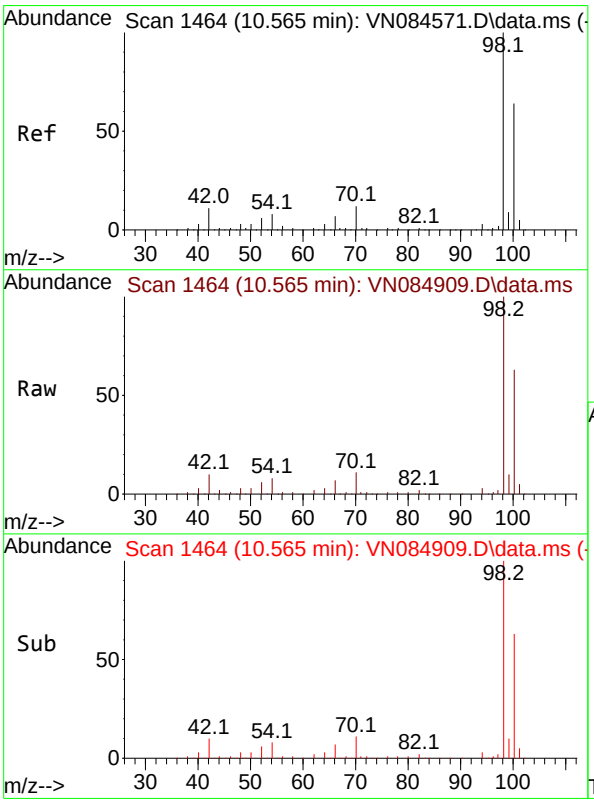
#49
1,4-Dioxane
Concen: 1194.662 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 33898

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	69.7	56.4	84.6

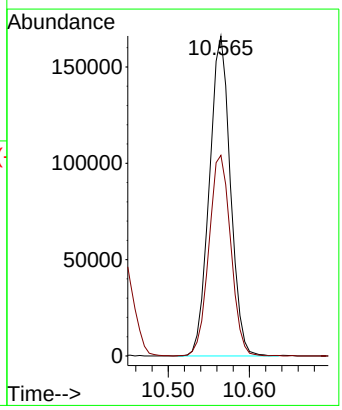


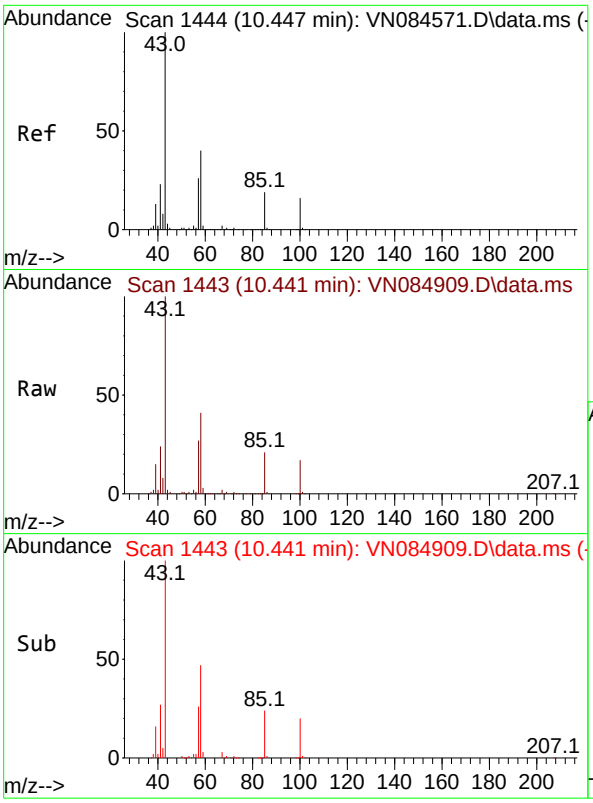


#50
Toluene-d8
Concen: 49.663 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 98 Resp: 299123

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.7	79.1



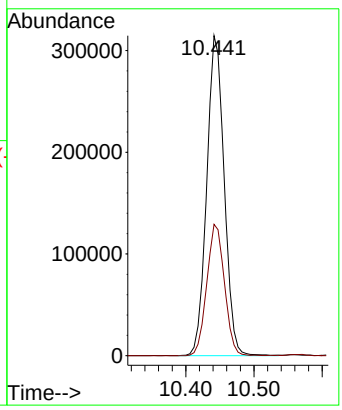


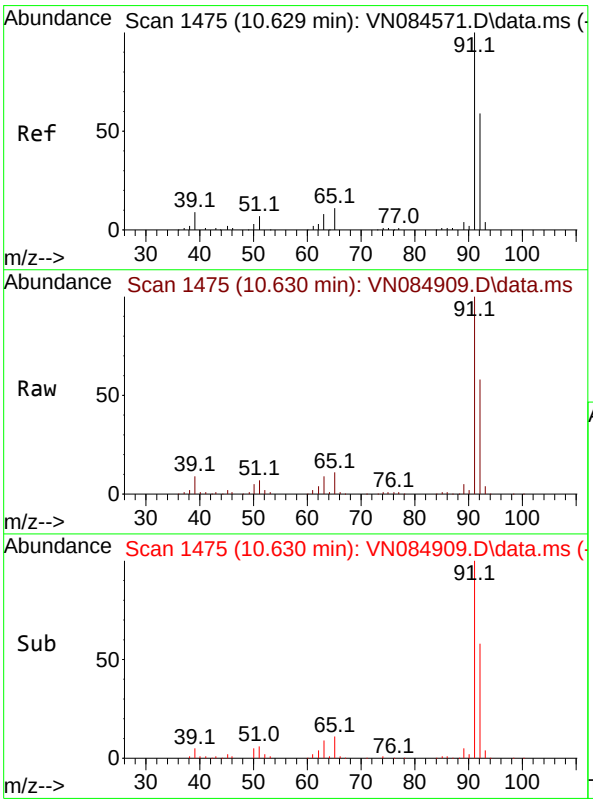
#51
4-Methyl-2-Pentanone
Concen: 286.520 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 561957

Ion	Ratio	Lower	Upper
43	100		
58	41.5	31.6	47.4

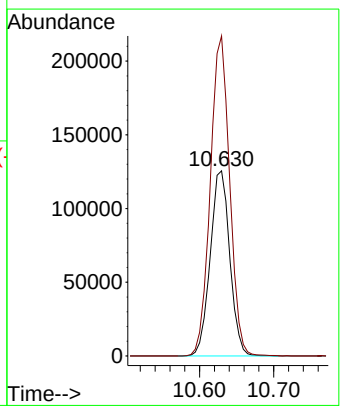


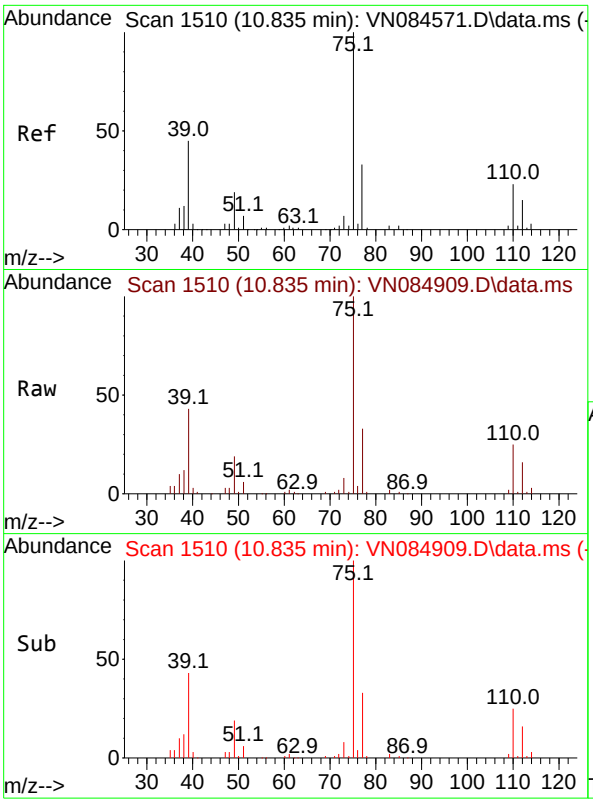


#52
Toluene
Concen: 53.949 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 92 Resp: 229773

Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.3	205.9



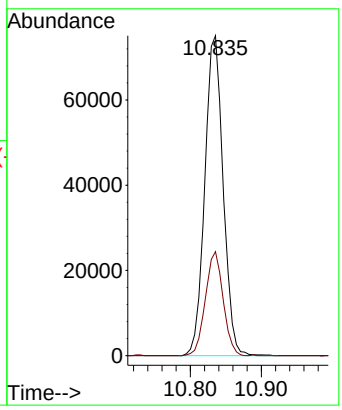


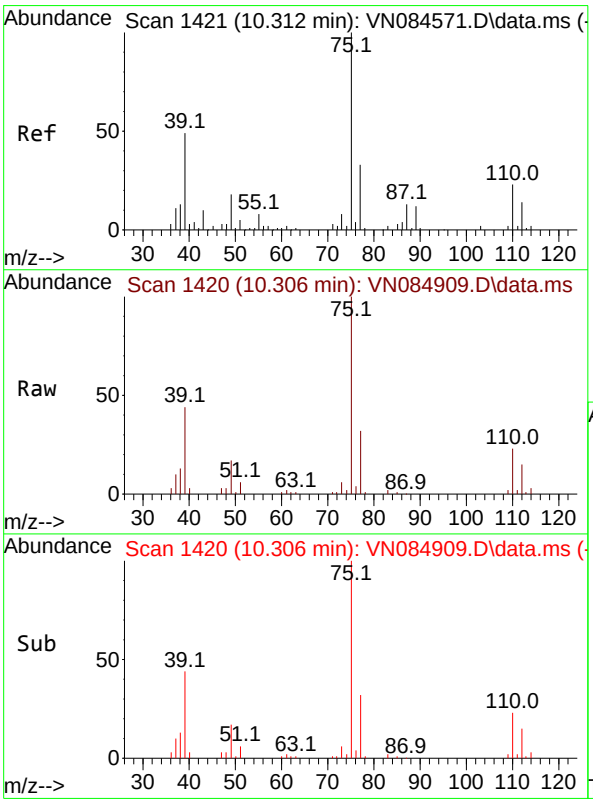
#53
t-1,3-Dichloropropene
Concen: 51.239 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 134769

Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.4	38.0

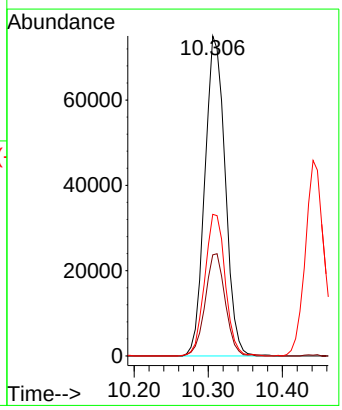


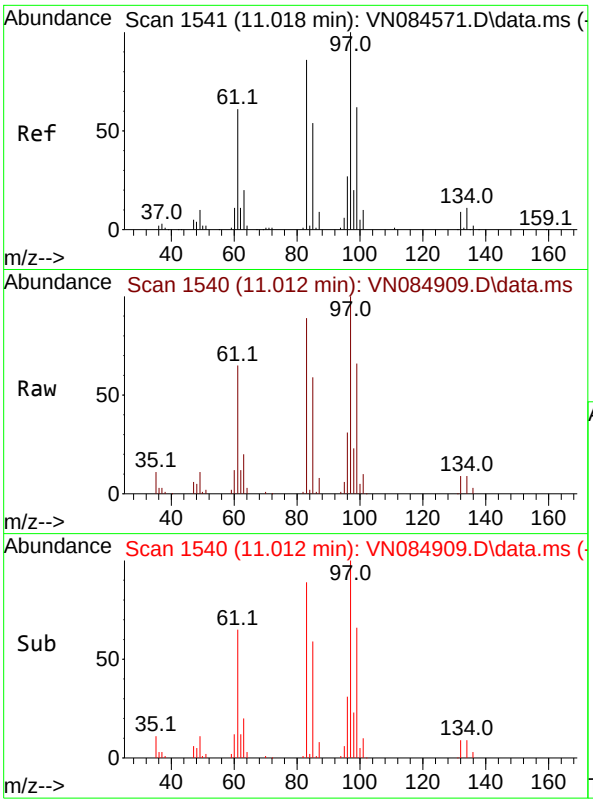


#54
cis-1,3-Dichloropropene
Concen: 51.361 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 75 Resp: 142978

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.2	36.2
39	44.2	38.7	58.1



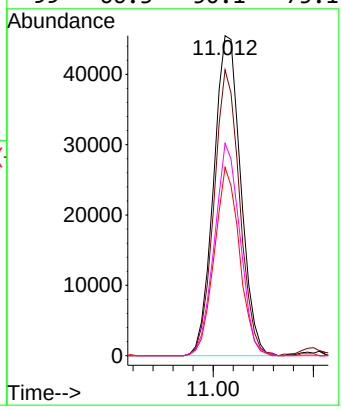


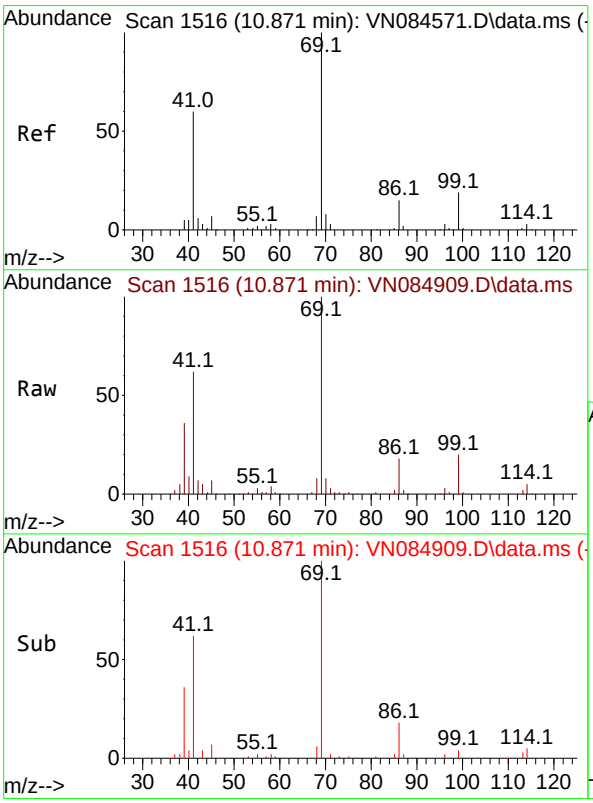
#55
1,1,2-Trichloroethane
Concen: 53.007 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 85041

Ion	Ratio	Lower	Upper
97	100		
83	89.3	71.0	106.4
85	58.9	41.7	62.5
99	66.3	50.1	75.1

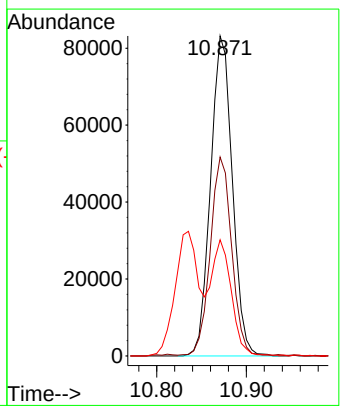


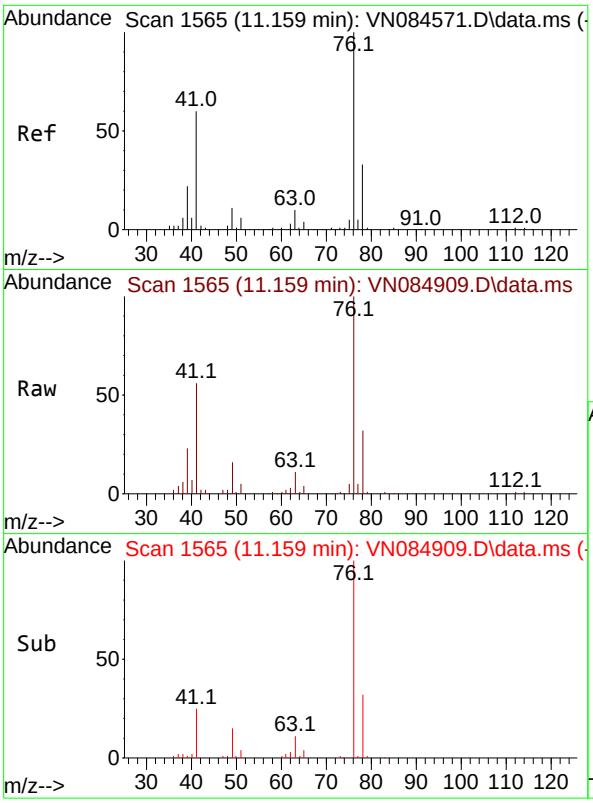


#56
Ethyl methacrylate
Concen: 60.328 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 69 Resp: 139998

Ion	Ratio	Lower	Upper
69	100		
41	60.7	53.3	79.9
39	33.7	28.8	43.2



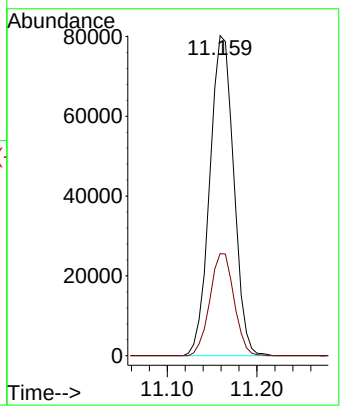


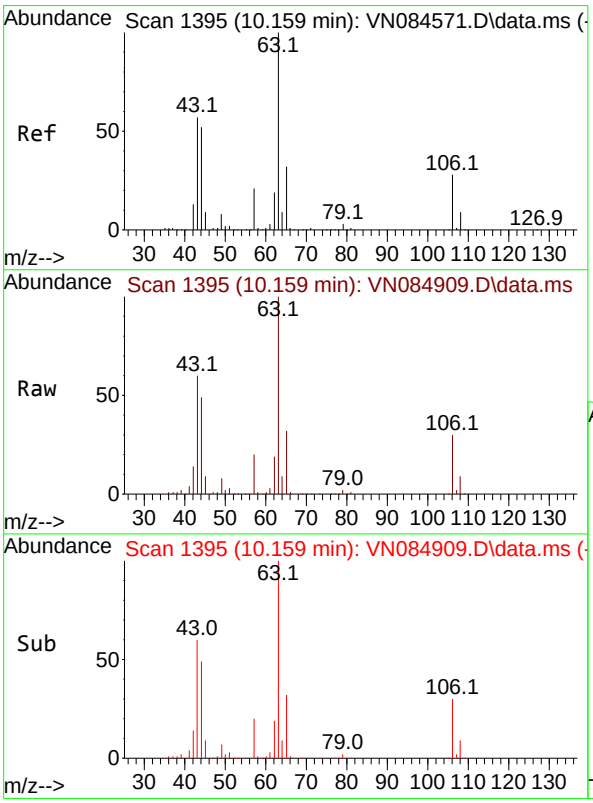
#57
1,3-Dichloropropane
Concen: 54.049 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 148819

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

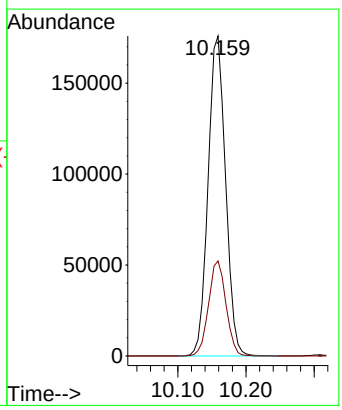


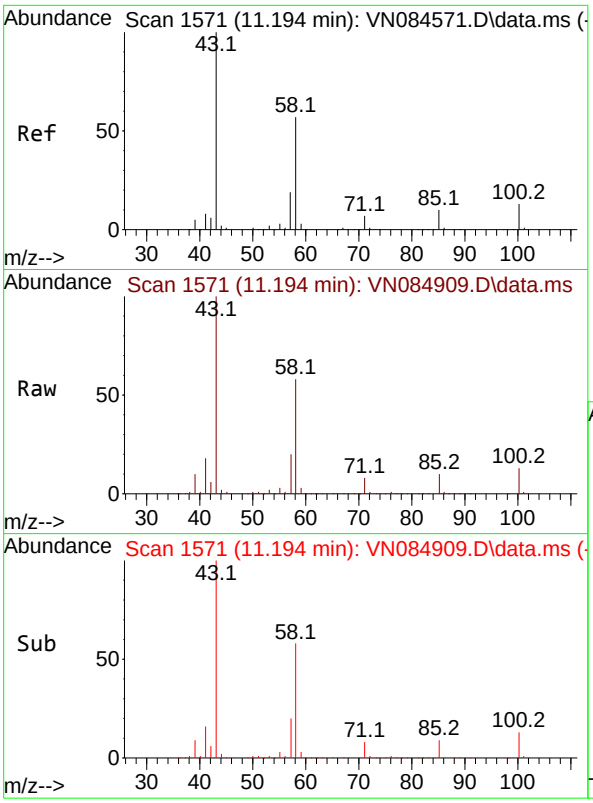


#58
2-Chloroethyl Vinyl ether
Concen: 288.918 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 63 Resp: 313736

Ion	Ratio	Lower	Upper
63	100		
106	29.6	21.8	32.6



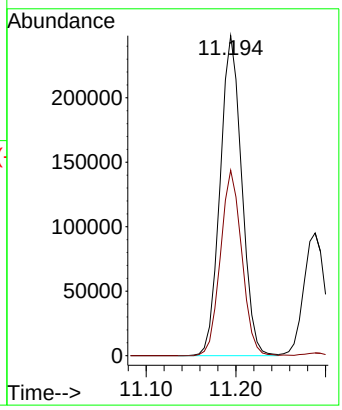


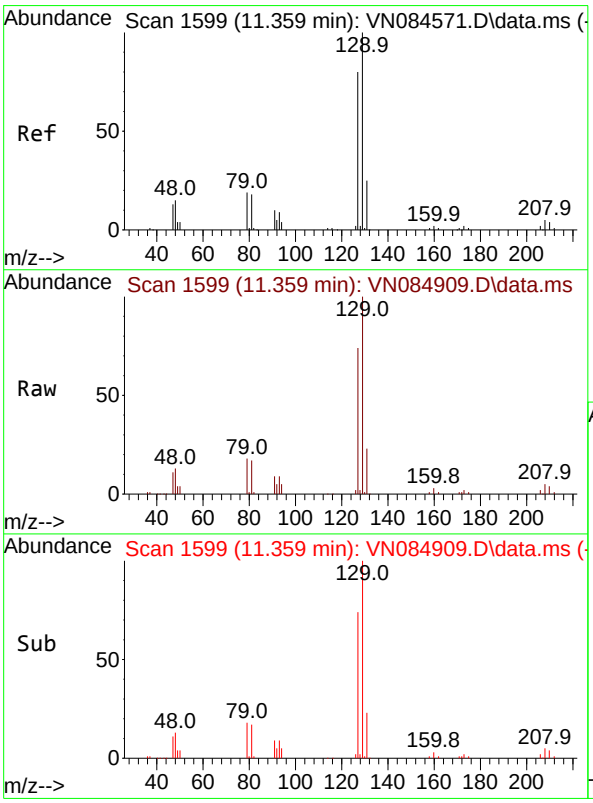
#59
2-Hexanone
Concen: 291.095 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 415570

Ion	Ratio	Lower	Upper
43	100		
58	57.1	27.3	81.8

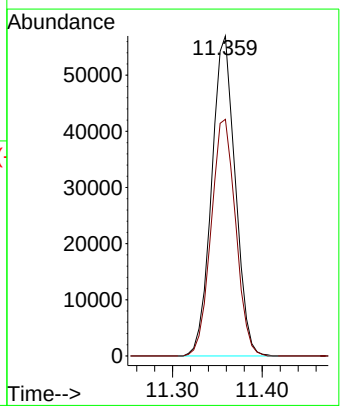


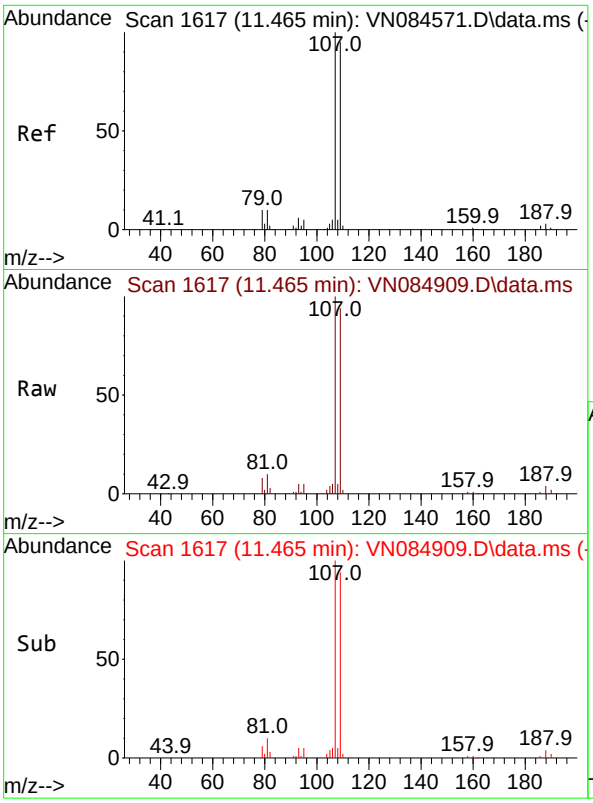


#60
Dibromochloromethane
Concen: 56.853 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:129 Resp: 103955

Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.3	114.9



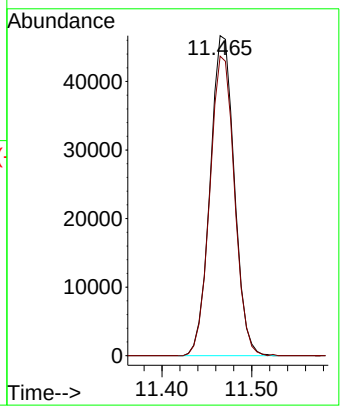


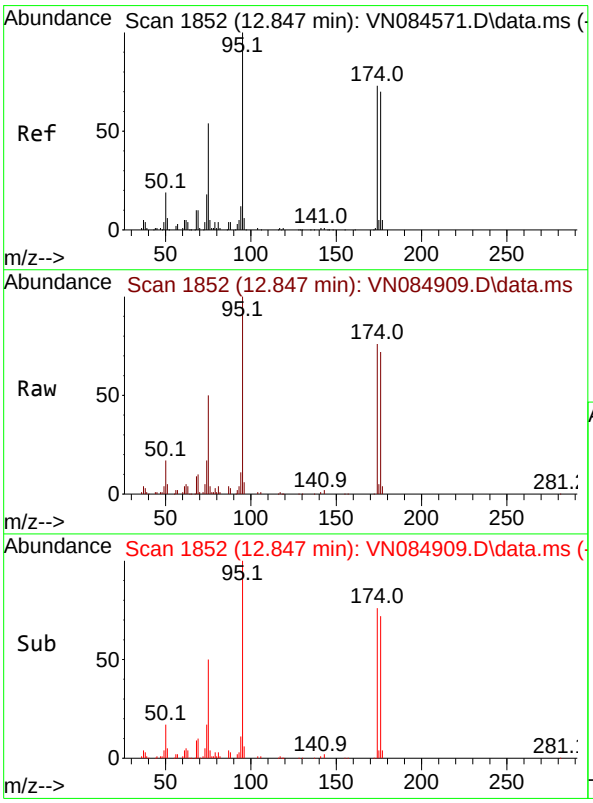
#61
1,2-Dibromoethane
Concen: 53.096 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 87232

Ion	Ratio	Lower	Upper
107	100		
109	95.2	75.4	113.0

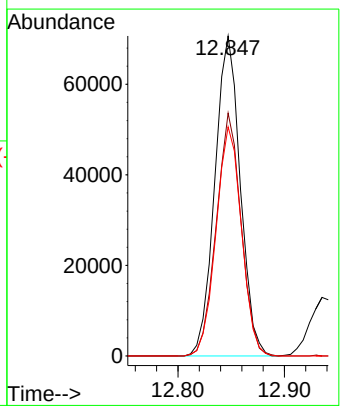


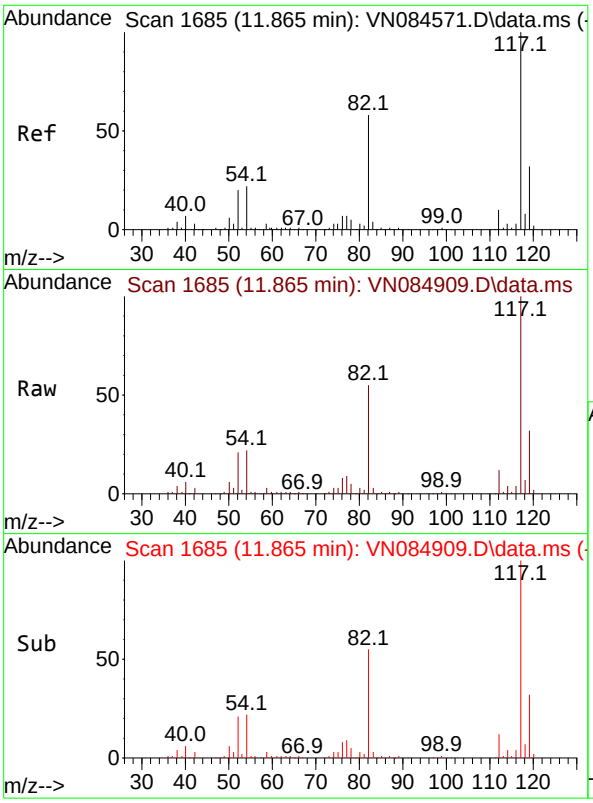


#62
4-Bromofluorobenzene
Concen: 51.936 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 95 Resp: 116907

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	145.2
176	71.7	0.0	140.0



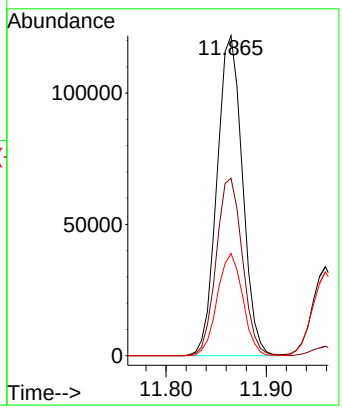


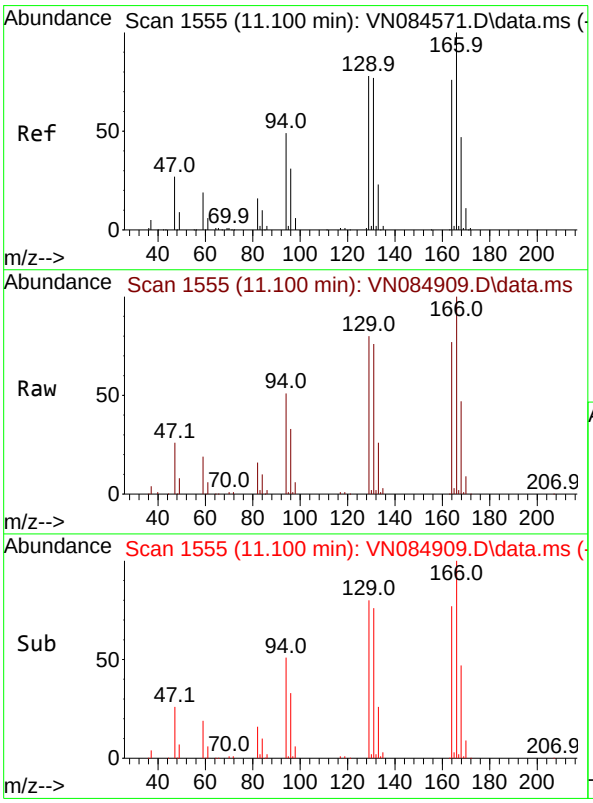
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 215240

Ion	Ratio	Lower	Upper
117	100		
82	55.4	47.2	70.8
119	32.0	25.4	38.0

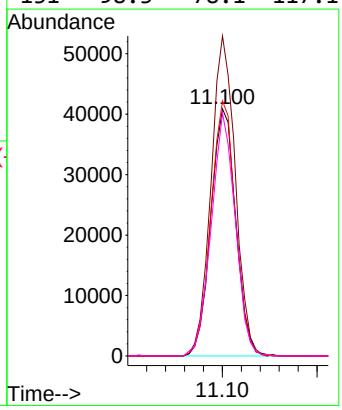


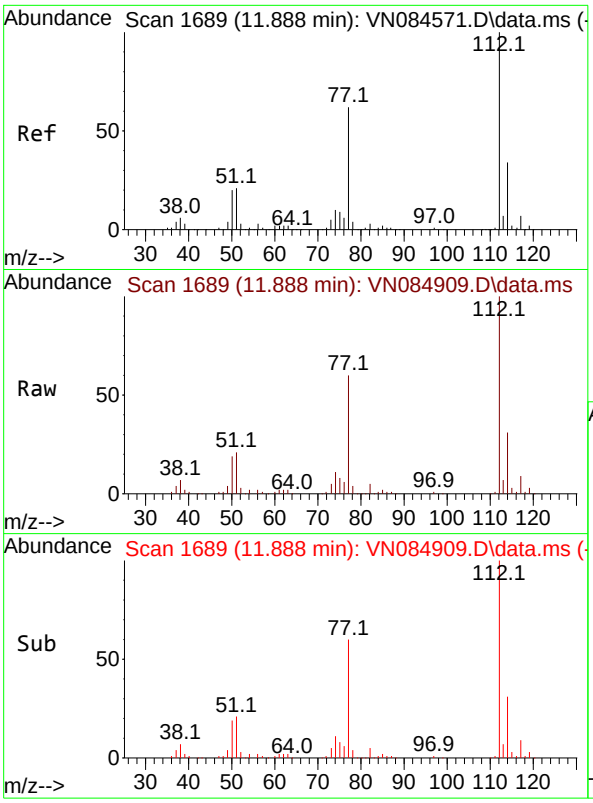


#64
Tetrachloroethene
Concen: 52.253 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:164 Resp: 74811

Ion	Ratio	Lower	Upper
164	100		
166	129.5	101.0	151.4
129	103.2	80.8	121.2
131	98.3	78.1	117.1



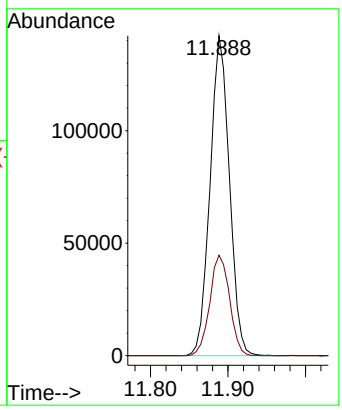


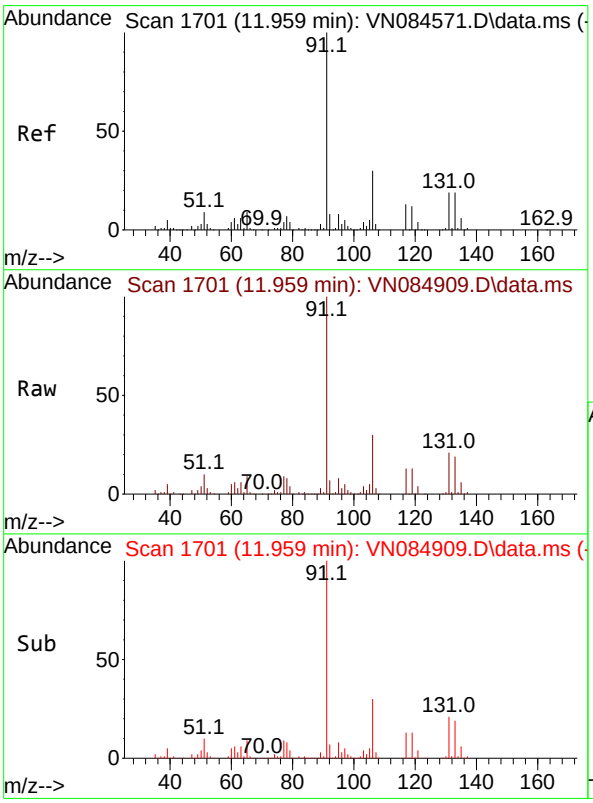
#65
Chlorobenzene
Concen: 51.181 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 246450

Ion	Ratio	Lower	Upper
112	100		
114	31.4	27.0	40.6

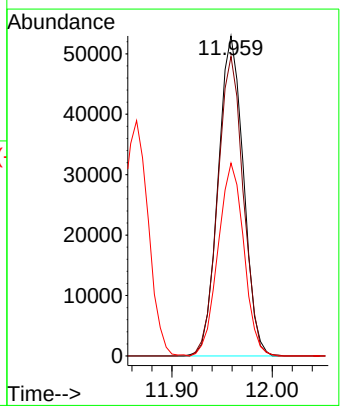


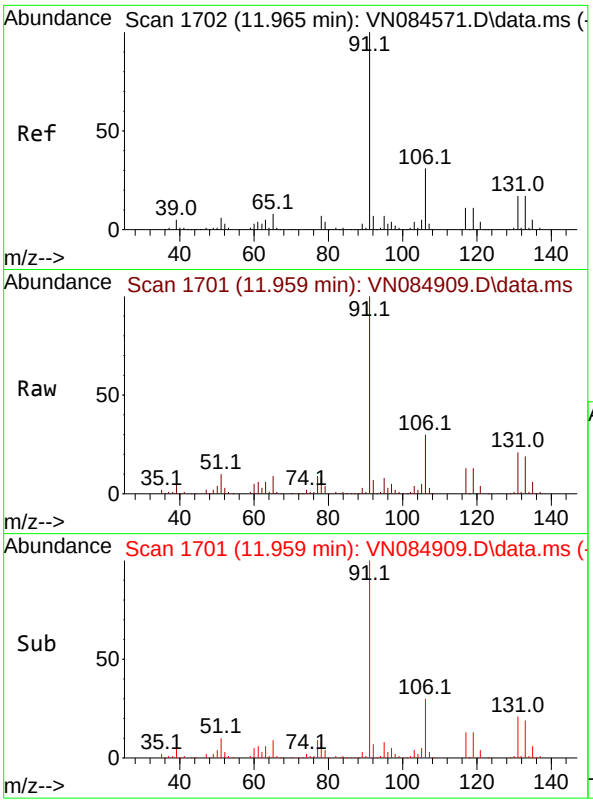


#66
1,1,1,2-Tetrachloroethane
Concen: 55.427 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:131 Resp: 92836

Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.9	143.7
119	61.4	32.8	98.3



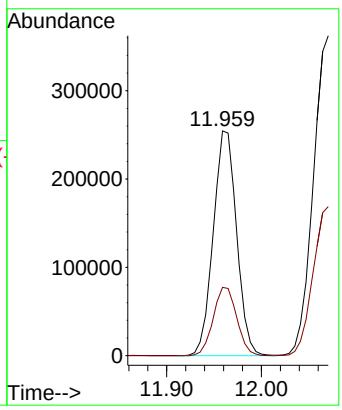


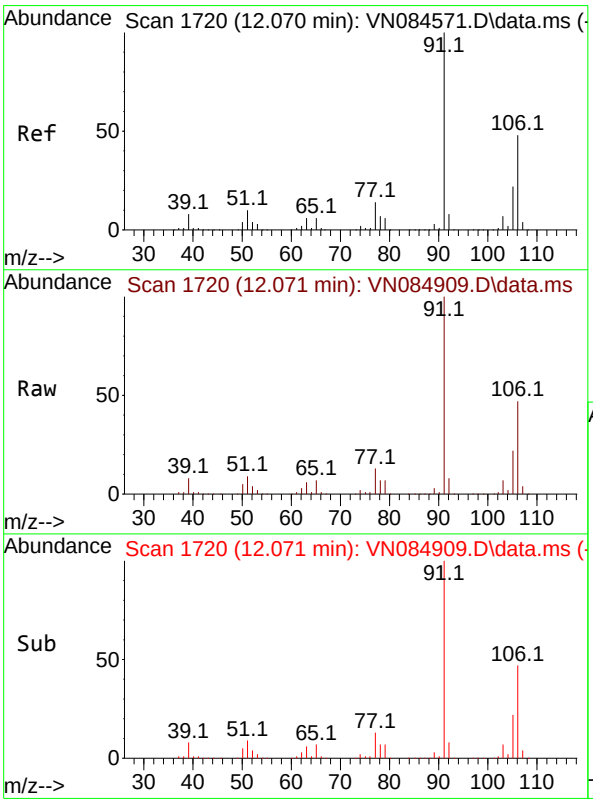
#67
Ethyl Benzene
Concen: 54.275 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 436251

Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.5	36.7

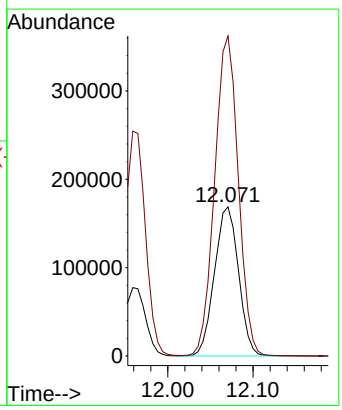


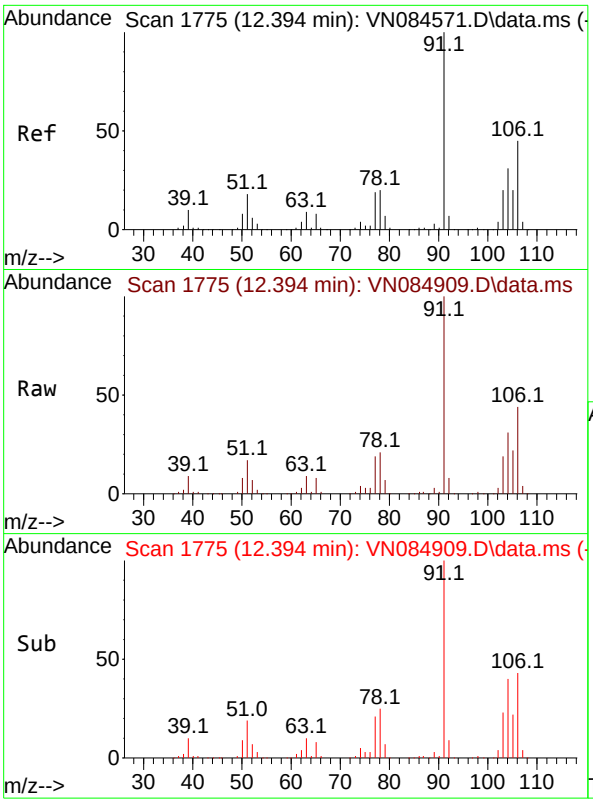


#68
m/p-Xylenes
Concen: 108.888 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:106 Resp: 331346

Ion	Ratio	Lower	Upper
106	100		
91	211.3	167.1	250.7



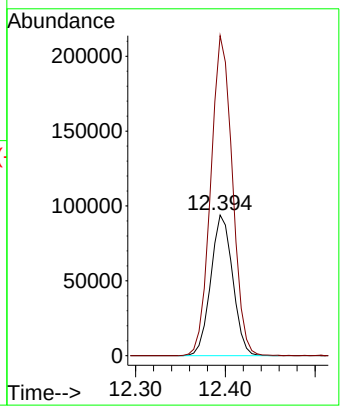


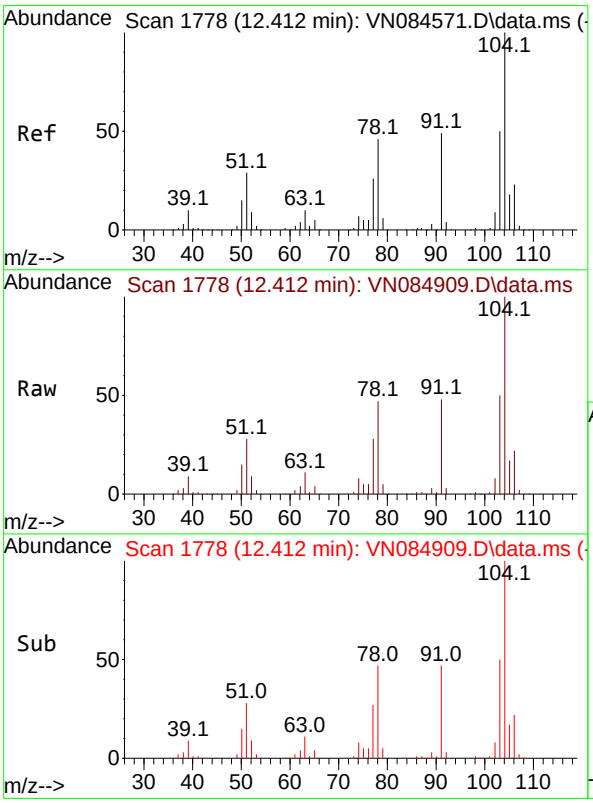
#69
o-Xylene
Concen: 55.918 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 159179

Ion	Ratio	Lower	Upper
106	100		
91	225.2	110.2	330.6

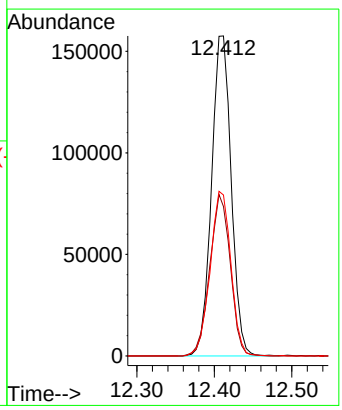


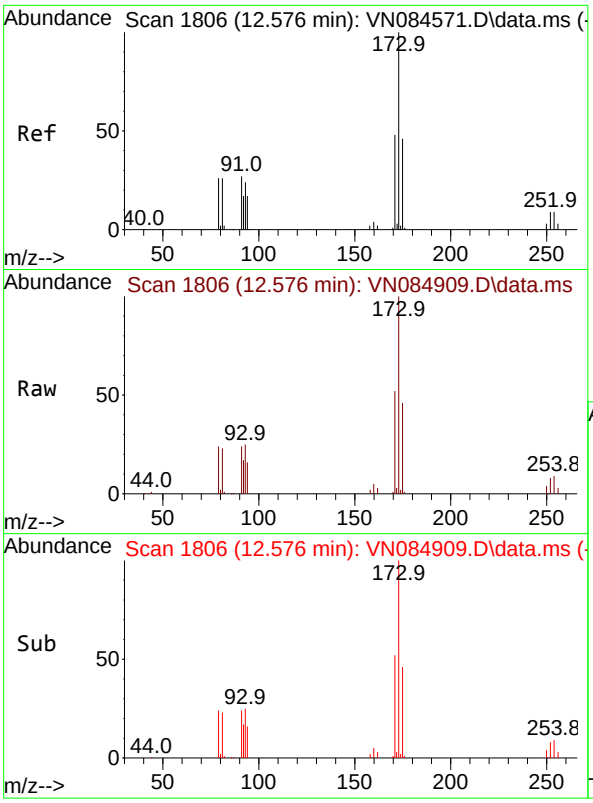


#70
Styrene
Concen: 55.985 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:104 Resp: 278012

Ion	Ratio	Lower	Upper
104	100		
78	52.6	42.7	64.1
103	54.2	43.6	65.4



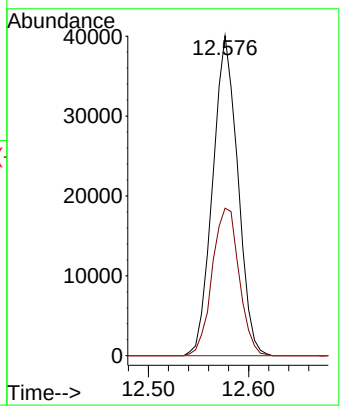


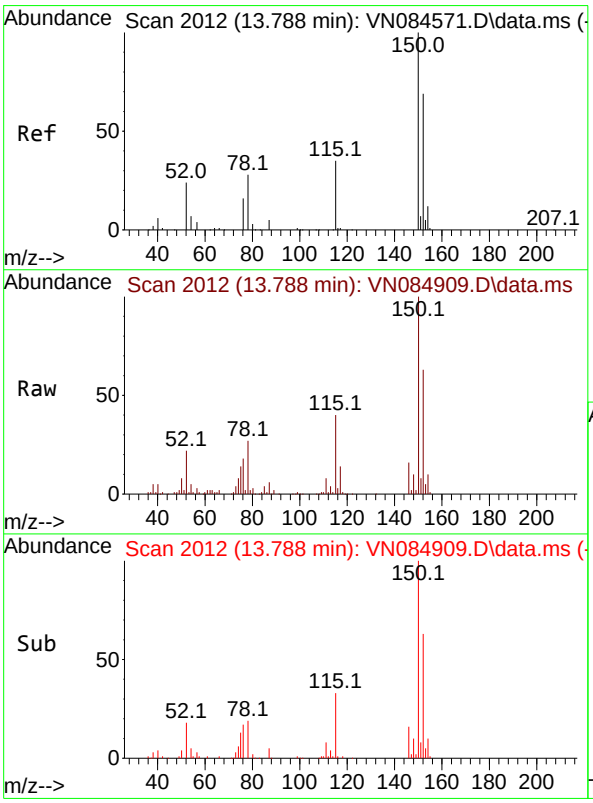
#71
Bromoform
Concen: 55.203 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 69573

Ion	Ratio	Lower	Upper
173	100		
175	49.4	23.5	70.6
254	0.0	0.0	0.0

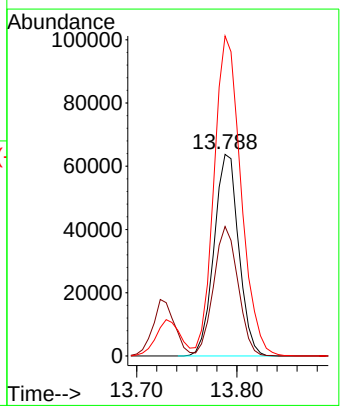


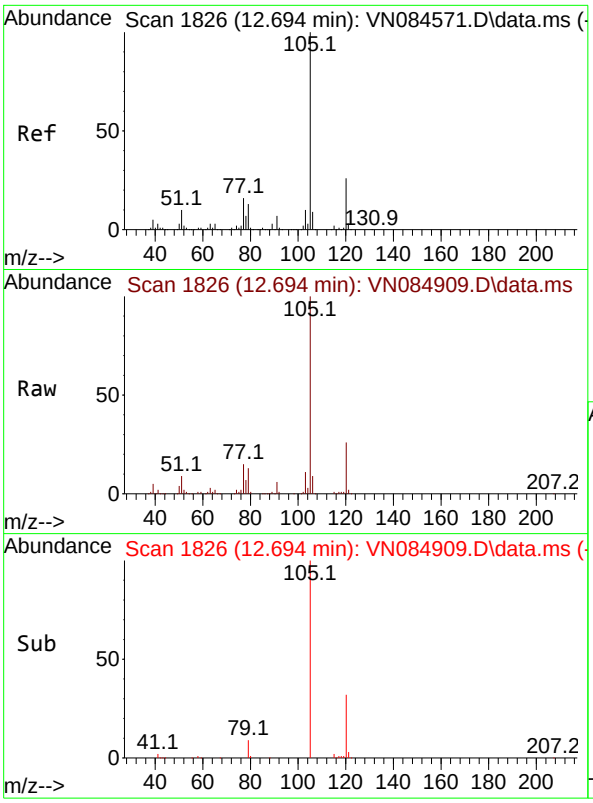


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:152 Resp: 109038

Ion	Ratio	Lower	Upper
152	100		
115	63.4	31.3	93.9
150	173.3	0.0	349.8



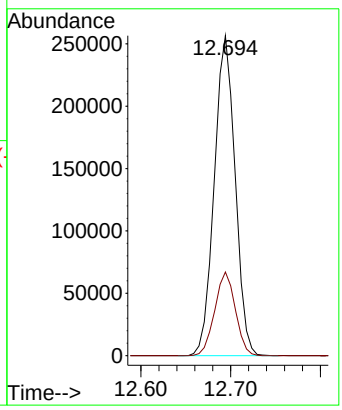


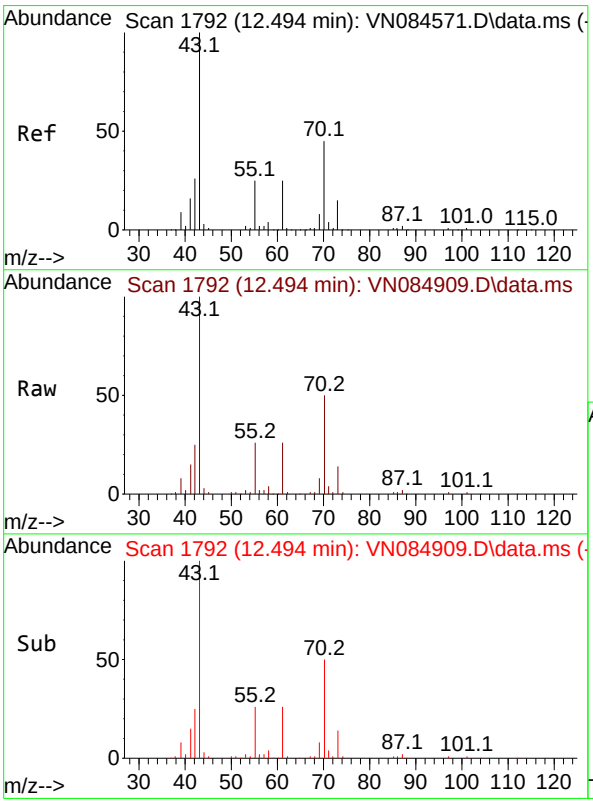
#73
Isopropylbenzene
Concen: 54.153 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 413792

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7

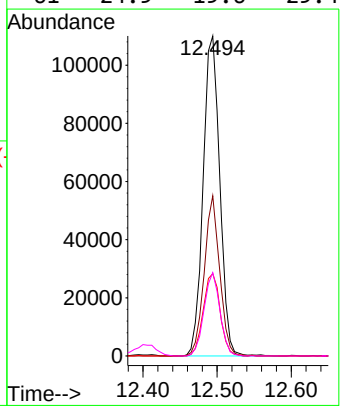


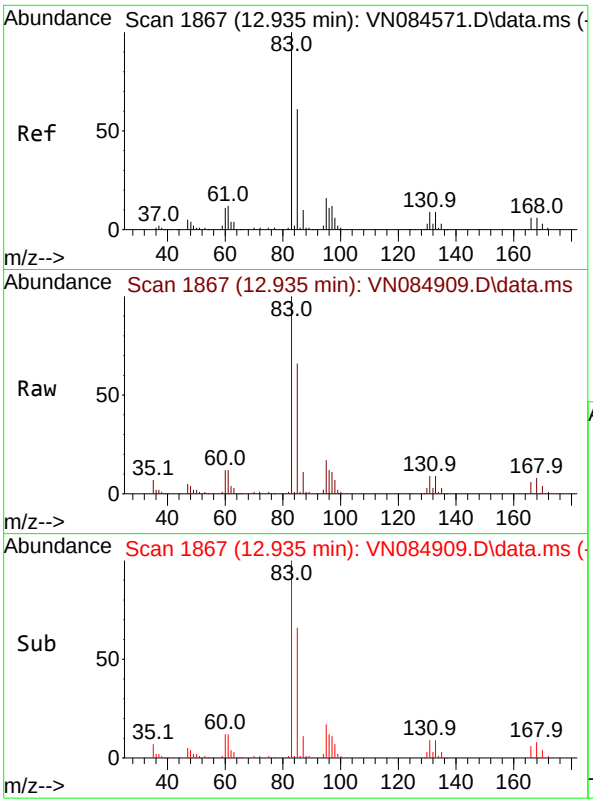


#74
N-amyl acetate
Concen: 52.810 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 43 Resp: 171747

Ion	Ratio	Lower	Upper
43	100		
70	46.3	34.4	51.6
55	26.2	19.6	29.4
61	24.9	19.6	29.4



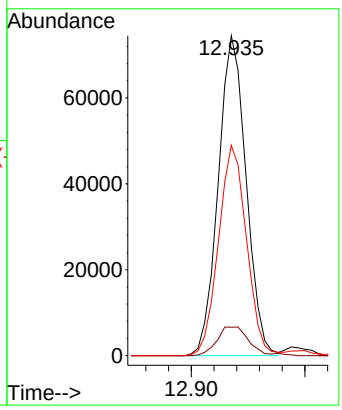


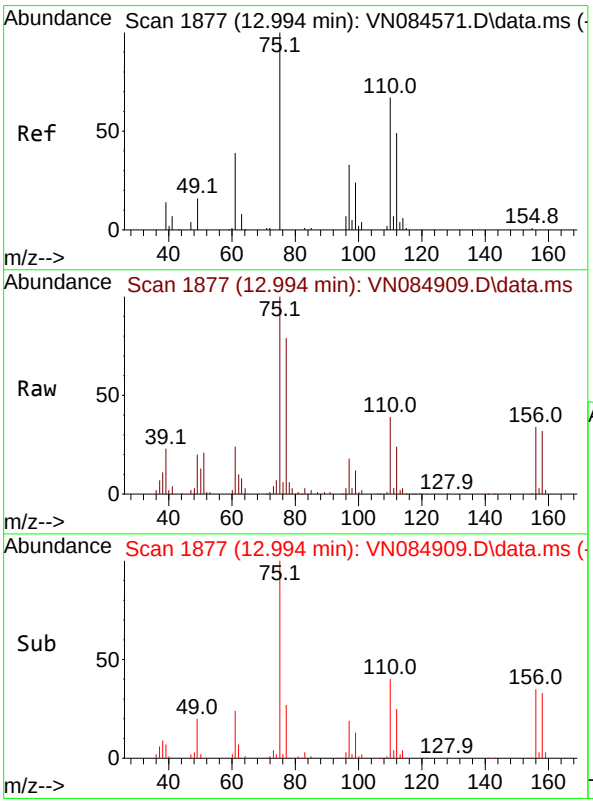
#75
1,1,2,2-Tetrachloroethane
Concen: 49.773 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 126946

Ion	Ratio	Lower	Upper
83	100		
131	10.4	4.9	14.7
85	65.9	31.9	95.7

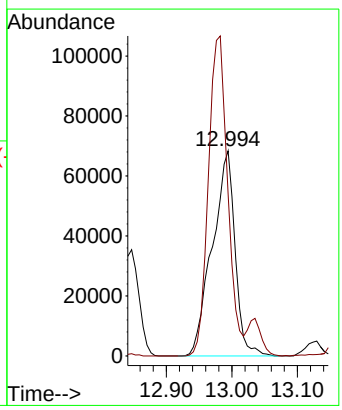


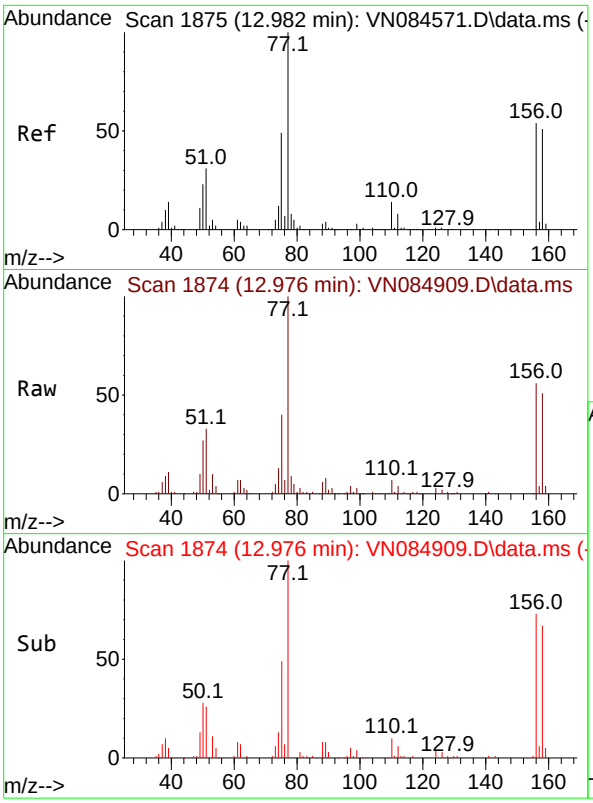


#76
1,2,3-Trichloropropane
Concen: 75.560 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 75 Resp: 164692

Ion	Ratio	Lower	Upper
75	100		
77	132.1	96.9	290.7



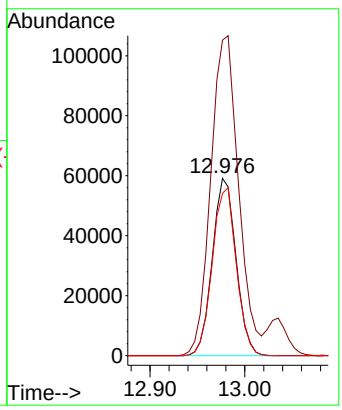


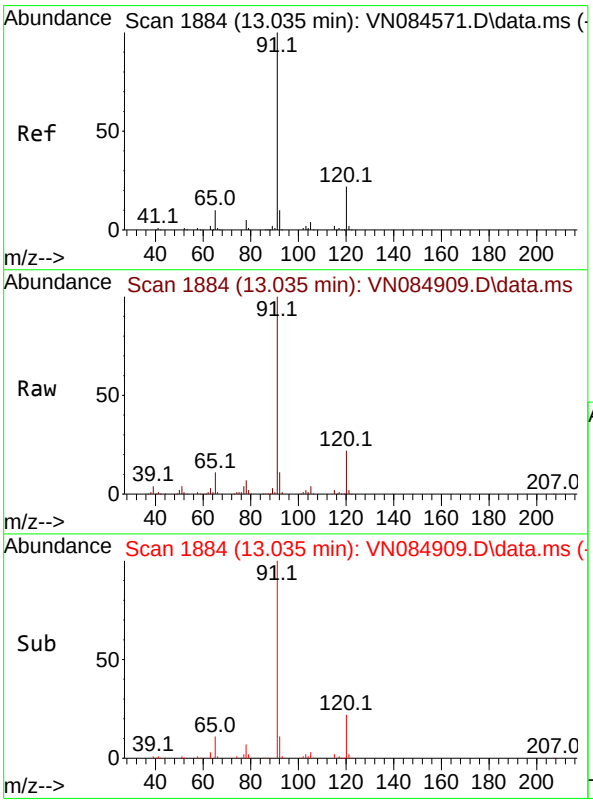
#77
Bromobenzene
Concen: 50.015 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 102740

Ion	Ratio	Lower	Upper
156	100		
77	211.7	115.1	345.3
158	96.1	48.9	146.8

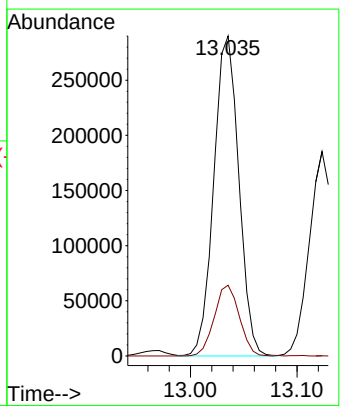


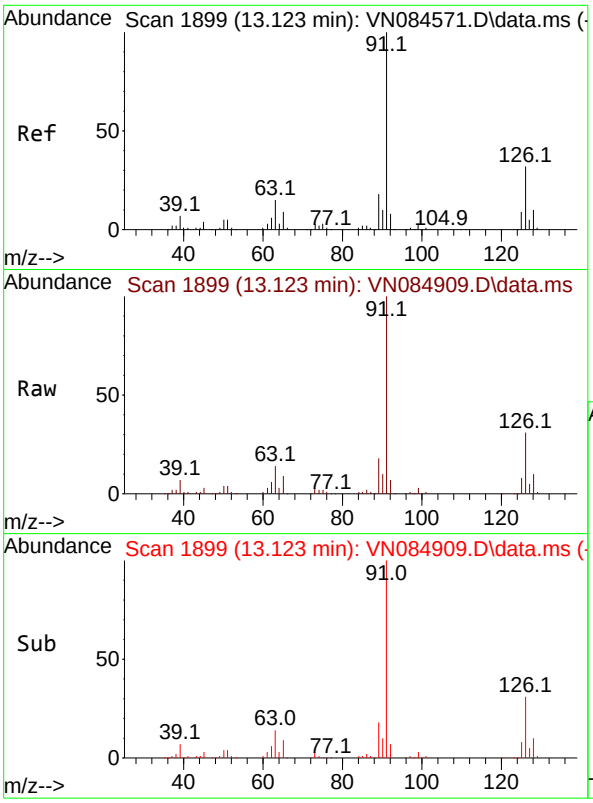


#78
n-propylbenzene
Concen: 52.824 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 91 Resp: 472992

Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.8	32.4



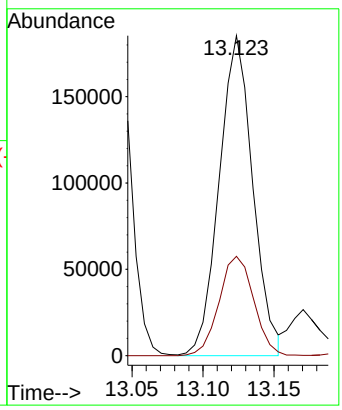


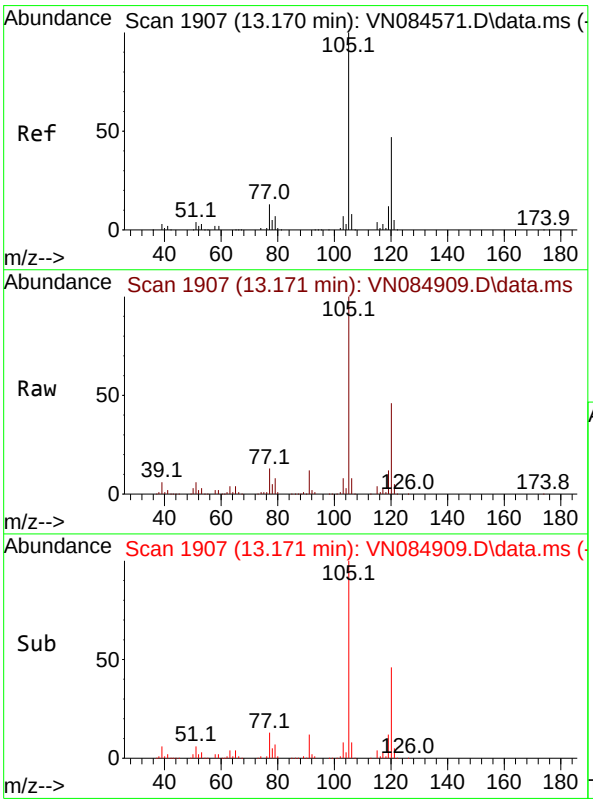
#79
2-Chlorotoluene
Concen: 52.058 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 304575

Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1

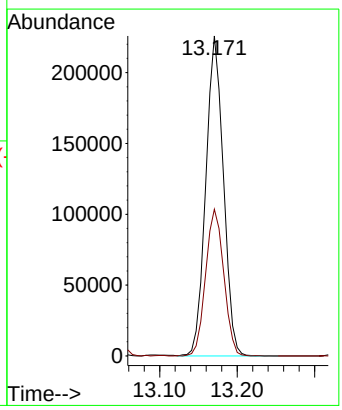


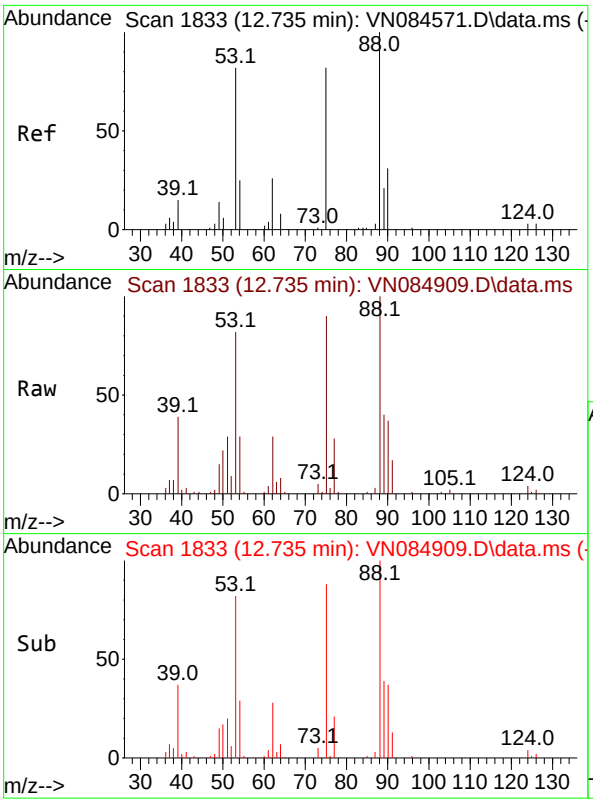


#80
1,3,5-Trimethylbenzene
Concen: 56.263 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:105 Resp: 356319

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.7	71.1



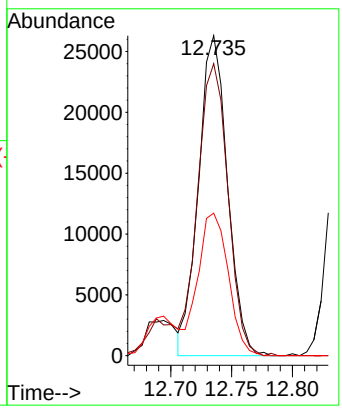


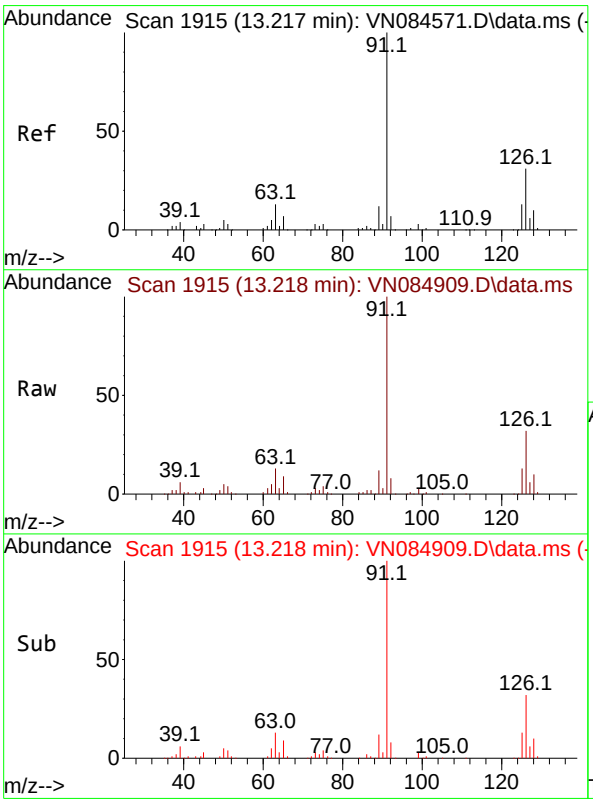
#81
trans-1,4-Dichloro-2-butene
Concen: 47.407 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 43555

Ion	Ratio	Lower	Upper
75	100		
53	95.3	78.0	117.0
89	46.0	35.5	53.3

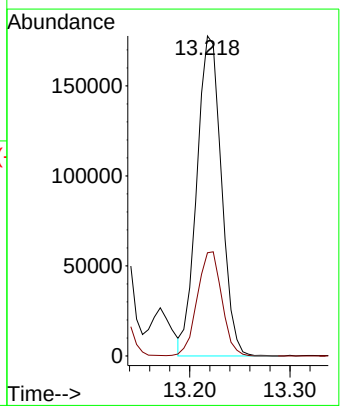


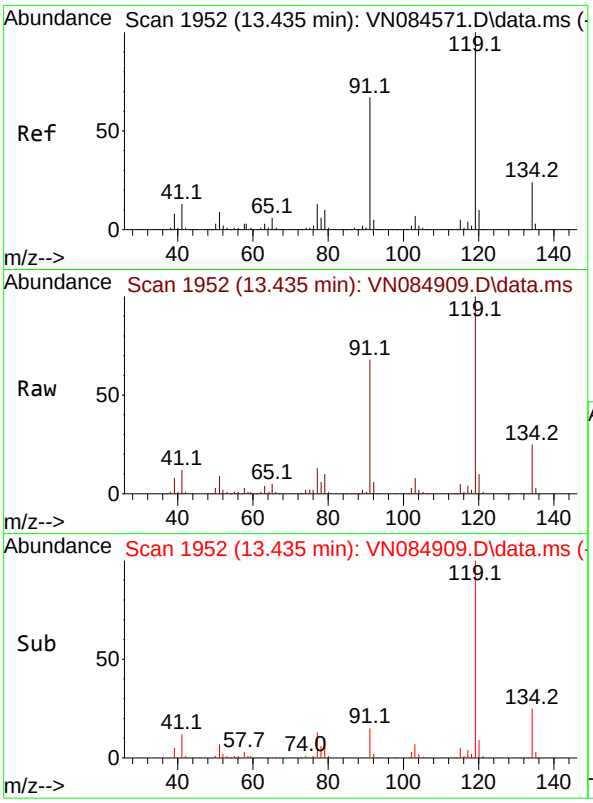


#82
4-Chlorotoluene
Concen: 49.253 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 91 Resp: 303261

Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.7	47.1



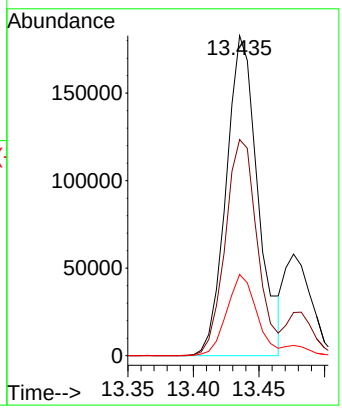


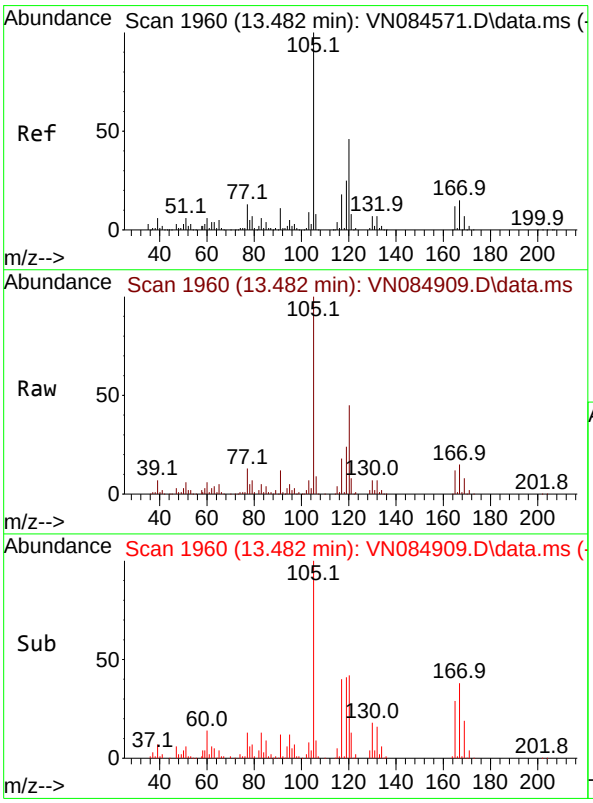
#83
tert-Butylbenzene
Concen: 58.692 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 307629

Ion	Ratio	Lower	Upper
119	100		
91	68.1	34.1	102.3
134	23.9	12.8	38.4

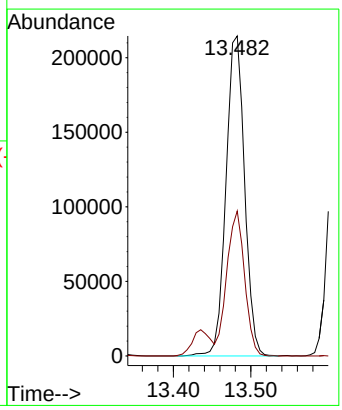


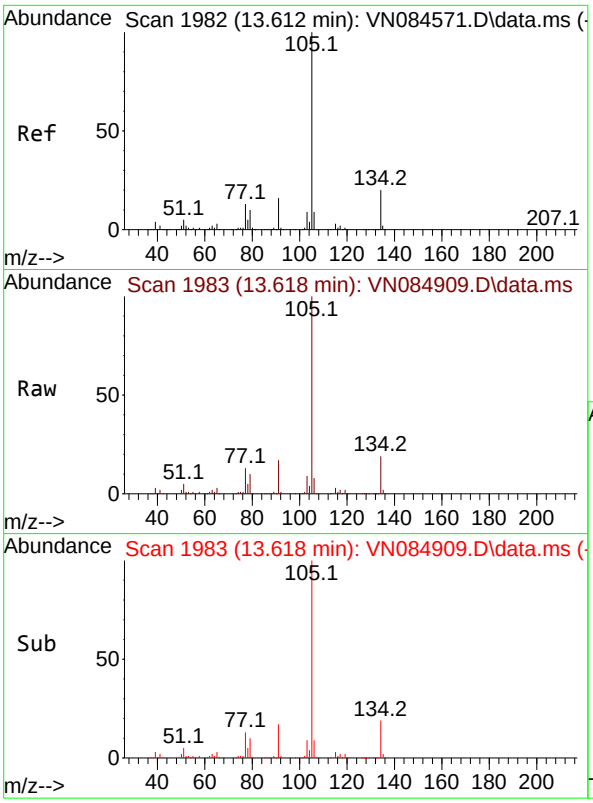


#84
1,2,4-Trimethylbenzene
Concen: 54.788 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:105 Resp: 358117

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.3	66.8



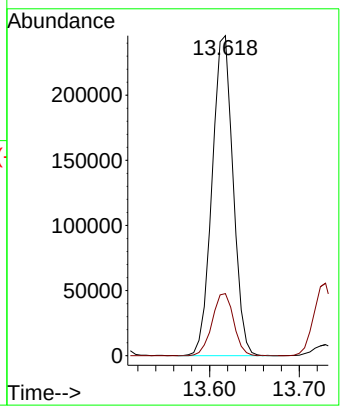


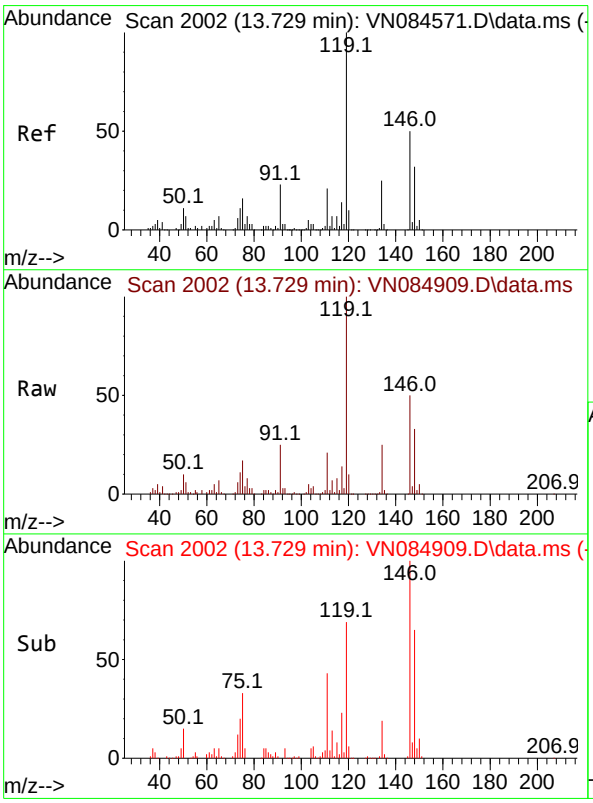
#85
sec-Butylbenzene
Concen: 53.808 ug/l
RT: 13.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 398386

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.4

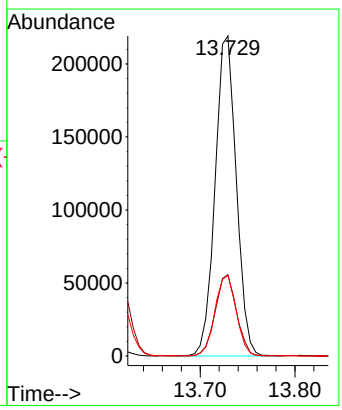


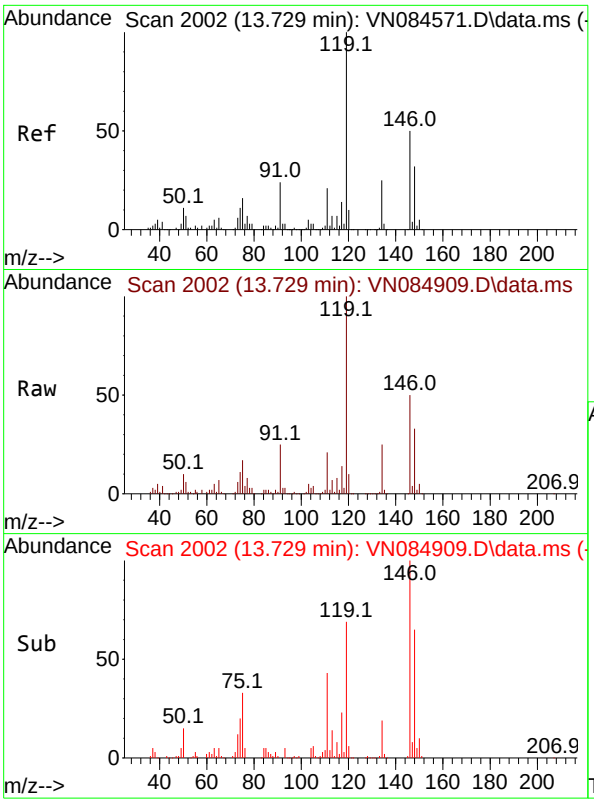


#86
p-Isopropyltoluene
Concen: 56.220 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:119 Resp: 341371

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.6	37.8
91	25.2	12.4	37.2



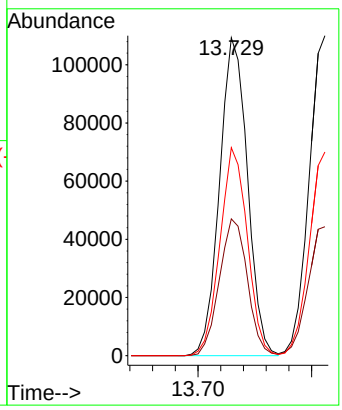


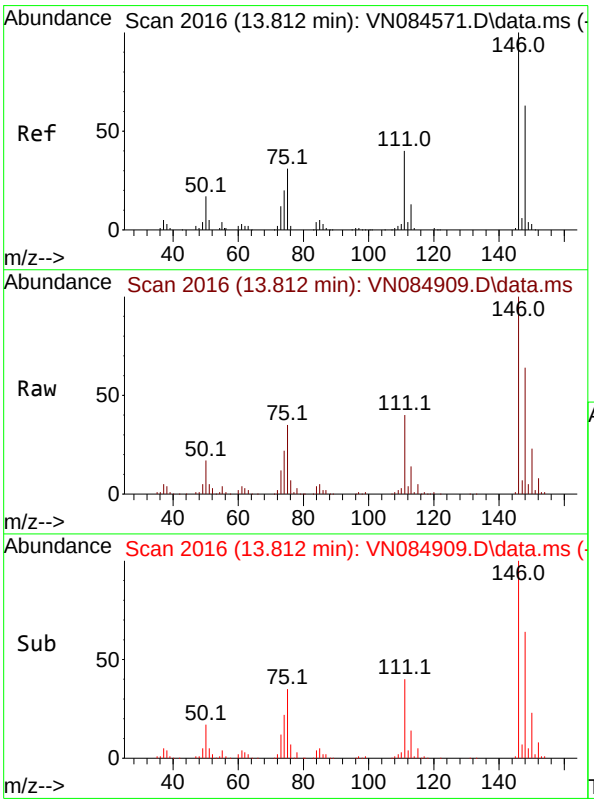
#87
1,3-Dichlorobenzene
Concen: 46.454 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 186228

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.8	65.3
148	64.4	31.9	95.7

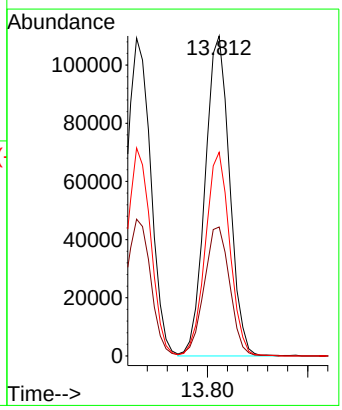


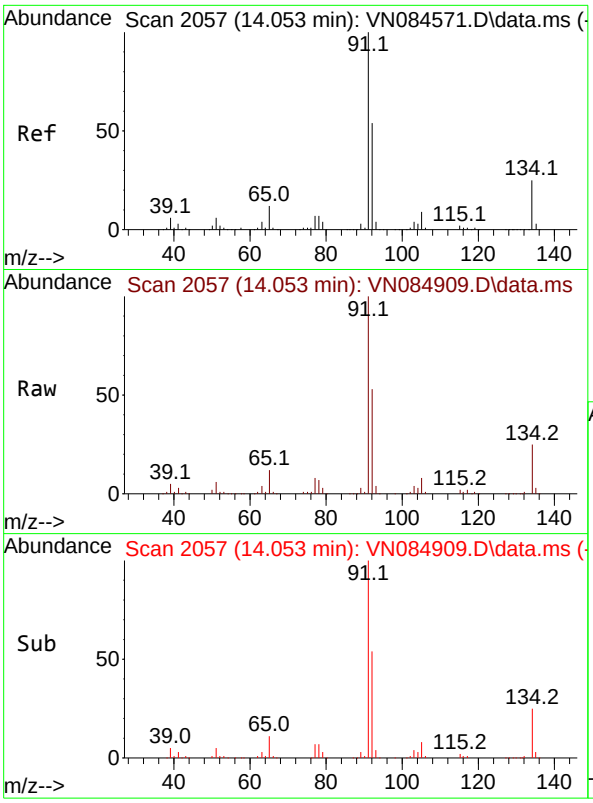


#88
1,4-Dichlorobenzene
Concen: 50.749 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:146 Resp: 186440

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.2	63.6
148	63.5	31.9	95.9



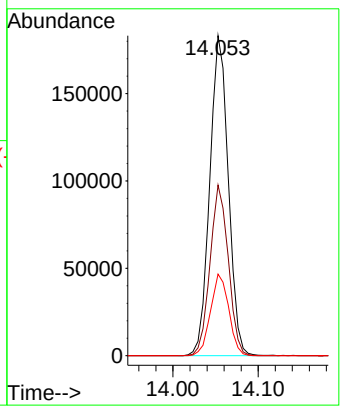


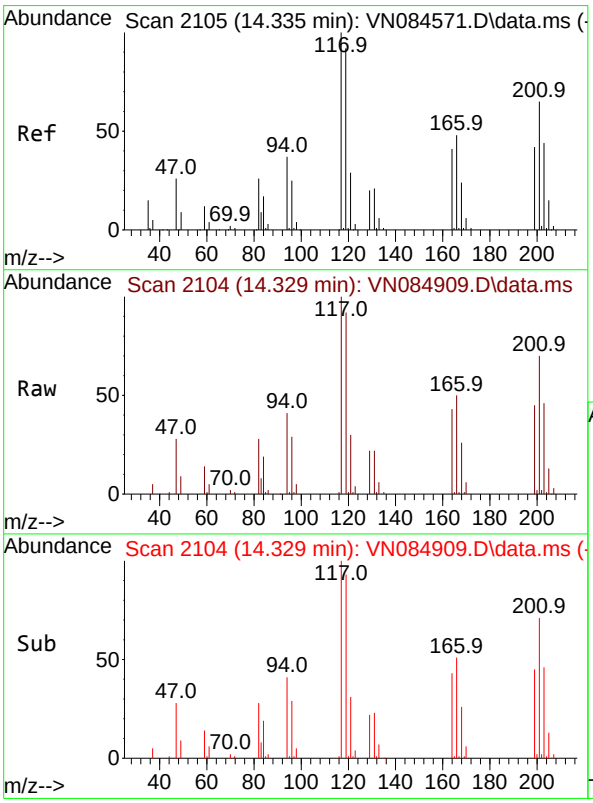
#89
n-Butylbenzene
Concen: 48.679 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 276493

Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.6	79.7
134	25.1	12.3	36.9

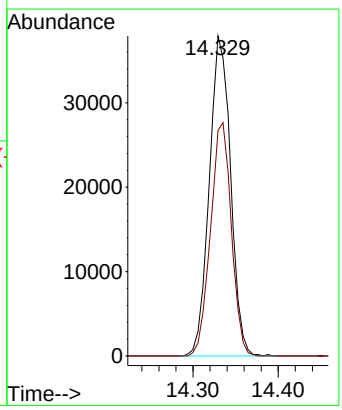


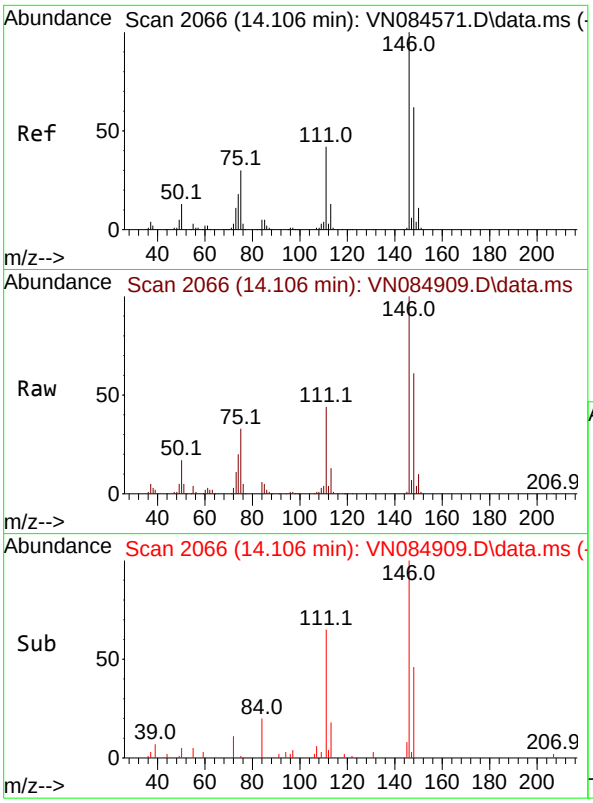


#90
Hexachloroethane
Concen: 48.574 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:117 Resp: 65775

Ion	Ratio	Lower	Upper
117	100		
201	71.3	34.4	103.2



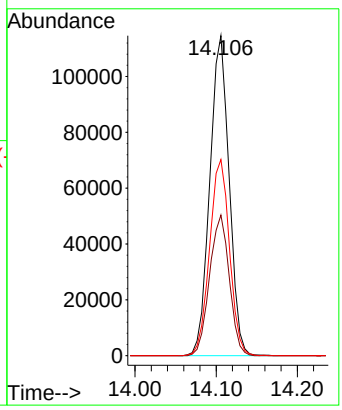


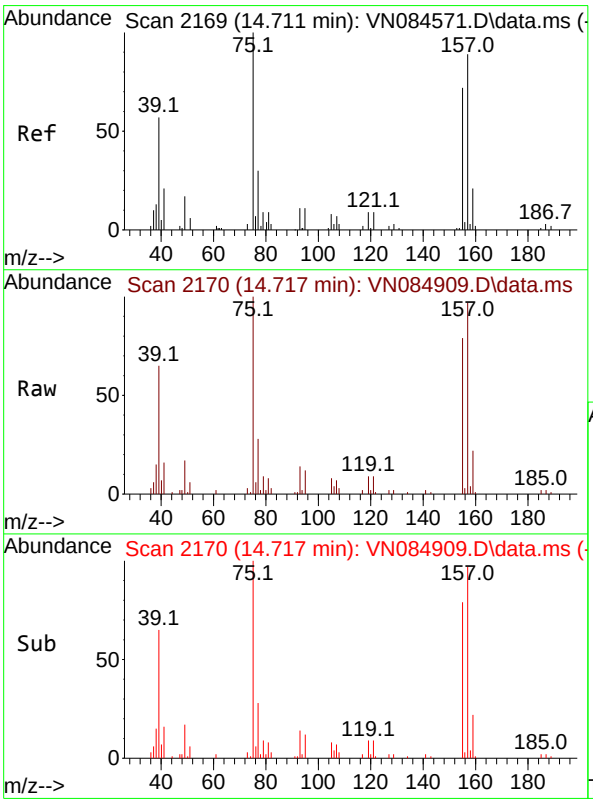
#91
1,2-Dichlorobenzene
Concen: 49.109 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 189180

Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.0	66.0
148	63.2	32.1	96.3

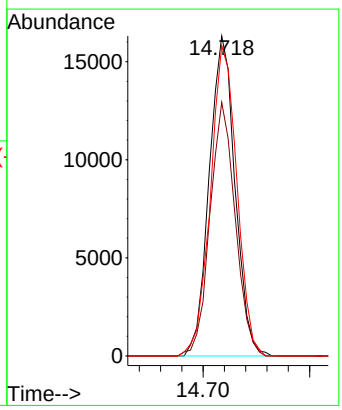


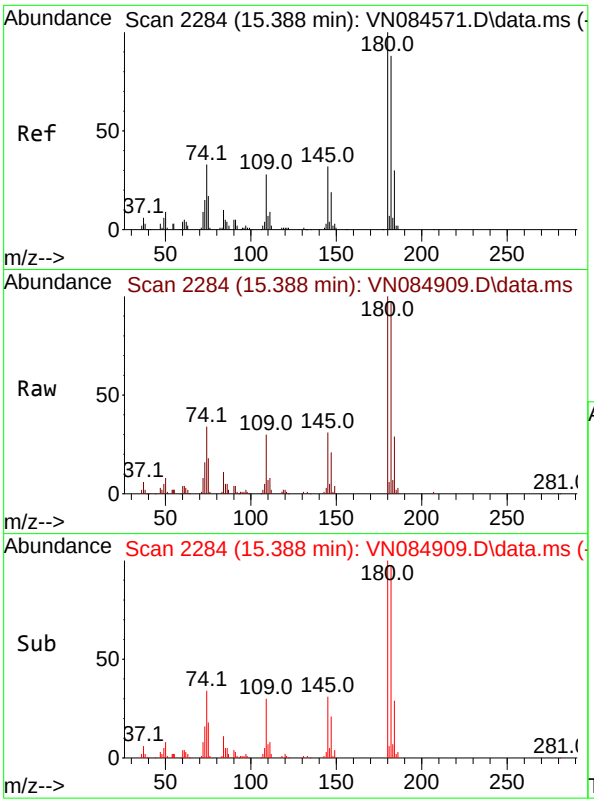


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.960 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion: 75 Resp: 27364

Ion	Ratio	Lower	Upper
75	100		
155	77.5	38.1	114.5
157	99.4	49.6	149.0



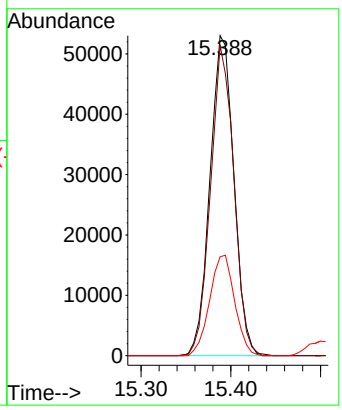


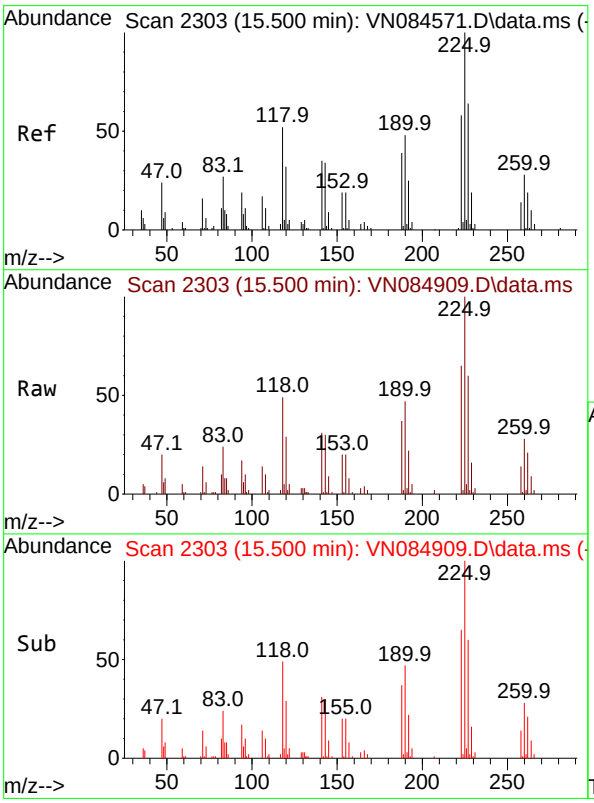
#93
1,2,4-Trichlorobenzene
Concen: 46.595 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 98246

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.0	141.0
145	32.8	16.4	49.4

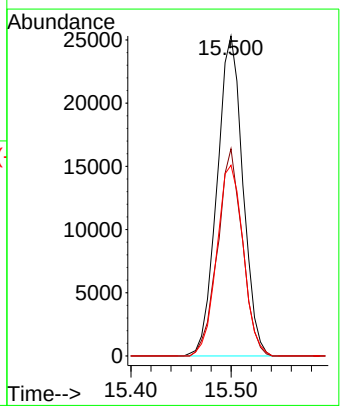


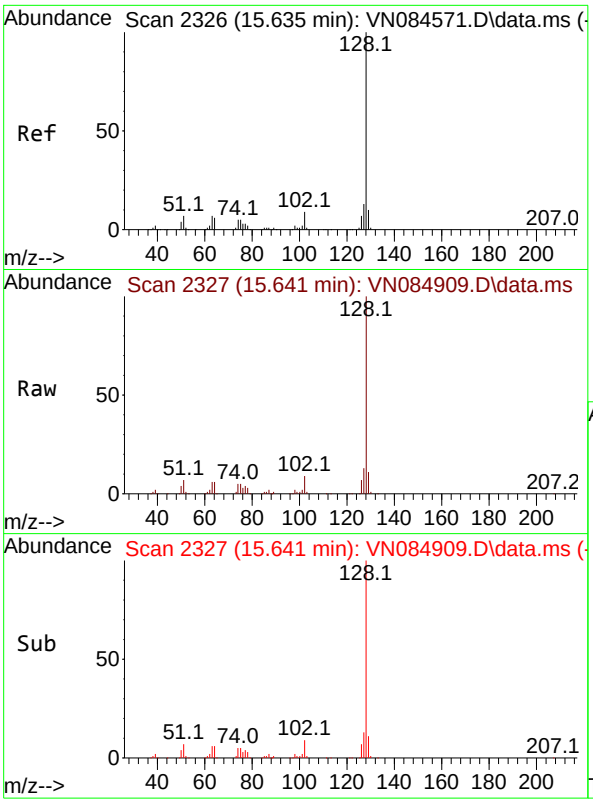


#94
Hexachlorobutadiene
Concen: 48.843 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:225 Resp: 45226

Ion	Ratio	Lower	Upper
225	100		
223	61.9	32.4	97.2
227	61.1	32.4	97.0



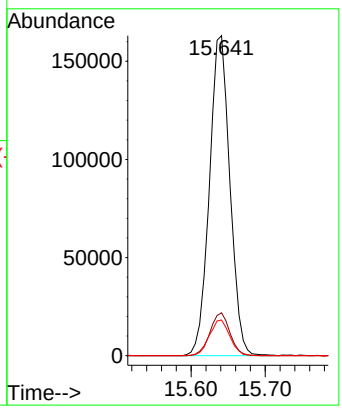


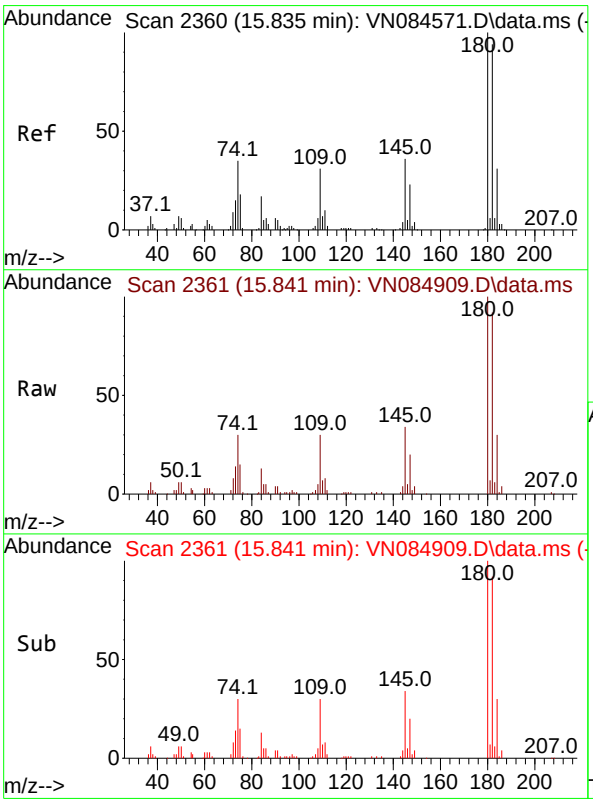
#95
Naphthalene
Concen: 49.703 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 313685

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.1	8.7	13.1

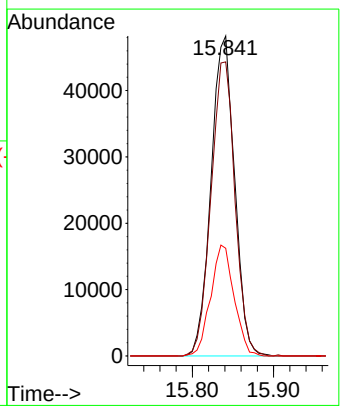




#96
1,2,3-Trichlorobenzene
Concen: 47.468 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084909.D
Acq: 17 Nov 2024 20:49

Tgt Ion:180 Resp: 97158

Ion	Ratio	Lower	Upper
180	100		
182	93.6	48.2	144.6
145	34.5	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084935.D
Acq On : 19 Nov 2024 09:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Nov 20 00:20:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	191121	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	319795	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	272380	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	140060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	128370	46.504	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.000%		
35) Dibromofluoromethane	8.165	113	100296	46.334	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.660%		
50) Toluene-d8	10.565	98	361805	45.374	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.740%		
62) 4-Bromofluorobenzene	12.847	95	141878	47.609	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.220%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	97001	44.150	ug/l	95
3) Chloromethane	2.359	50	110597	42.522	ug/l	97
4) Vinyl Chloride	2.512	62	107008	45.283	ug/l	97
5) Bromomethane	2.906	94	55094	44.003	ug/l	98
6) Chloroethane	3.077	64	70713	48.294	ug/l	93
7) Trichlorofluoromethane	3.471	101	182356	46.846	ug/l	97
8) Diethyl Ether	3.953	74	65937	48.018	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.359	101	105288	47.867	ug/l	99
10) Methyl Iodide	4.577	142	142160	48.358	ug/l	97
11) Tert butyl alcohol	5.536	59	87458	240.025	ug/l	99
12) 1,1-Dichloroethene	4.330	96	97079	44.604	ug/l	95
13) Acrolein	4.171	56	99160	272.913	ug/l	98
14) Allyl chloride	5.012	41	161760	45.828	ug/l	96
15) Acrylonitrile	5.712	53	260199	246.673	ug/l	99
16) Acetone	4.424	43	226860	284.903	ug/l	100
17) Carbon Disulfide	4.700	76	259868	38.771	ug/l	98
18) Methyl Acetate	5.018	43	133214	45.365	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	344516	51.644	ug/l	97
20) Methylene Chloride	5.265	84	111930	46.103	ug/l	94
21) trans-1,2-Dichloroethene	5.777	96	102229	45.743	ug/l	99
22) Diisopropyl ether	6.665	45	352685	50.286	ug/l	98
23) Vinyl Acetate	6.594	43	1255562	259.595	ug/l	98
24) 1,1-Dichloroethane	6.559	63	201578	47.872	ug/l	98
25) 2-Butanone	7.483	43	344040	267.147	ug/l	98
26) 2,2-Dichloropropane	7.488	77	182683	49.847	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	125243	47.994	ug/l	99
28) Bromochloromethane	7.806	49	95018	56.639	ug/l	96
29) Tetrahydrofuran	7.836	42	218171	255.360	ug/l	96
30) Chloroform	7.959	83	209141	48.799	ug/l	97
31) Cyclohexane	8.253	56	171769	45.071	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	189765	48.647	ug/l	99
36) 1,1-Dichloropropene	8.365	75	140999	46.967	ug/l	99
37) Ethyl Acetate	7.553	43	136462	50.101	ug/l	98
38) Carbon Tetrachloride	8.359	117	162977	48.570	ug/l	98
39) Methylcyclohexane	9.594	83	156684	51.303	ug/l	98
40) Benzene	8.600	78	451082	46.788	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084935.D
Acq On : 19 Nov 2024 09:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Nov 20 00:20:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	77366	52.820	ug/l		97
42) 1,2-Dichloroethane	8.665	62	155403	49.771	ug/l		99
43) Isopropyl Acetate	8.683	43	251358	49.952	ug/l		100
44) Trichloroethene	9.347	130	101462	45.632	ug/l		99
45) 1,2-Dichloropropane	9.618	63	112302	49.656	ug/l		99
46) Dibromomethane	9.706	93	77732	48.708	ug/l		99
47) Bromodichloromethane	9.882	83	165675	49.250	ug/l	#	99
48) Methyl methacrylate	9.677	41	108960	51.400	ug/l		97
49) 1,4-Dioxane	9.694	88	36146	962.235	ug/l	#	81
51) 4-Methyl-2-Pentanone	10.441	43	695093	267.698	ug/l		99
52) Toluene	10.629	92	277347	49.188	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	162768	46.744	ug/l		99
54) cis-1,3-Dichloropropene	10.306	75	181142	49.151	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	104942	49.408	ug/l		97
56) Ethyl methacrylate	10.871	69	168362	54.801	ug/l		97
57) 1,3-Dichloropropane	11.159	76	179454	49.230	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	402039	279.659	ug/l		97
59) 2-Hexanone	11.194	43	521393	275.870	ug/l		98
60) Dibromochloromethane	11.359	129	122913	50.776	ug/l		99
61) 1,2-Dibromoethane	11.471	107	103704	47.679	ug/l		100
64) Tetrachloroethene	11.100	164	87135	48.094	ug/l		97
65) Chlorobenzene	11.888	112	290368	47.651	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	105627	49.834	ug/l		99
67) Ethyl Benzene	11.959	91	516649	50.793	ug/l		99
68) m/p-Xylenes	12.071	106	398723	103.542	ug/l		100
69) o-Xylene	12.394	106	191427	53.139	ug/l		100
70) Styrene	12.406	104	324789	51.684	ug/l		99
71) Bromoform	12.576	173	79980	50.147	ug/l	#	99
73) Isopropylbenzene	12.694	105	484105	49.323	ug/l		100
74) N-amyl acetate	12.494	43	210044	50.280	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	152902	46.671	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	195531	69.839	ug/l		61
77) Bromobenzene	12.976	156	117590	44.566	ug/l		98
78) n-propylbenzene	13.035	91	560537	48.736	ug/l		99
79) 2-Chlorotoluene	13.123	91	357849	47.616	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	421482	51.812	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	53699	45.503	ug/l		89
82) 4-Chlorotoluene	13.218	91	361943	45.763	ug/l		99
83) tert-Butylbenzene	13.435	119	343776	51.061	ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	428779	51.069	ug/l		99
85) sec-Butylbenzene	13.612	105	480667	50.542	ug/l		99
86) p-Isopropyltoluene	13.729	119	408036	52.315	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	217656	42.268	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	216598	45.744	ug/l		100
89) n-Butylbenzene	14.053	91	343697	47.108	ug/l		100
90) Hexachloroethane	14.329	117	76160	43.786	ug/l		96
91) 1,2-Dichlorobenzene	14.106	146	219245	44.308	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	29192	43.984	ug/l		97
93) 1,2,4-Trichlorobenzene	15.394	180	107065	39.531	ug/l		99
94) Hexachlorobutadiene	15.500	225	49545	41.656	ug/l		99
95) Naphthalene	15.641	128	350435	43.227	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	106957	40.681	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084935.D
Acq On : 19 Nov 2024 09:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Nov 20 00:20:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

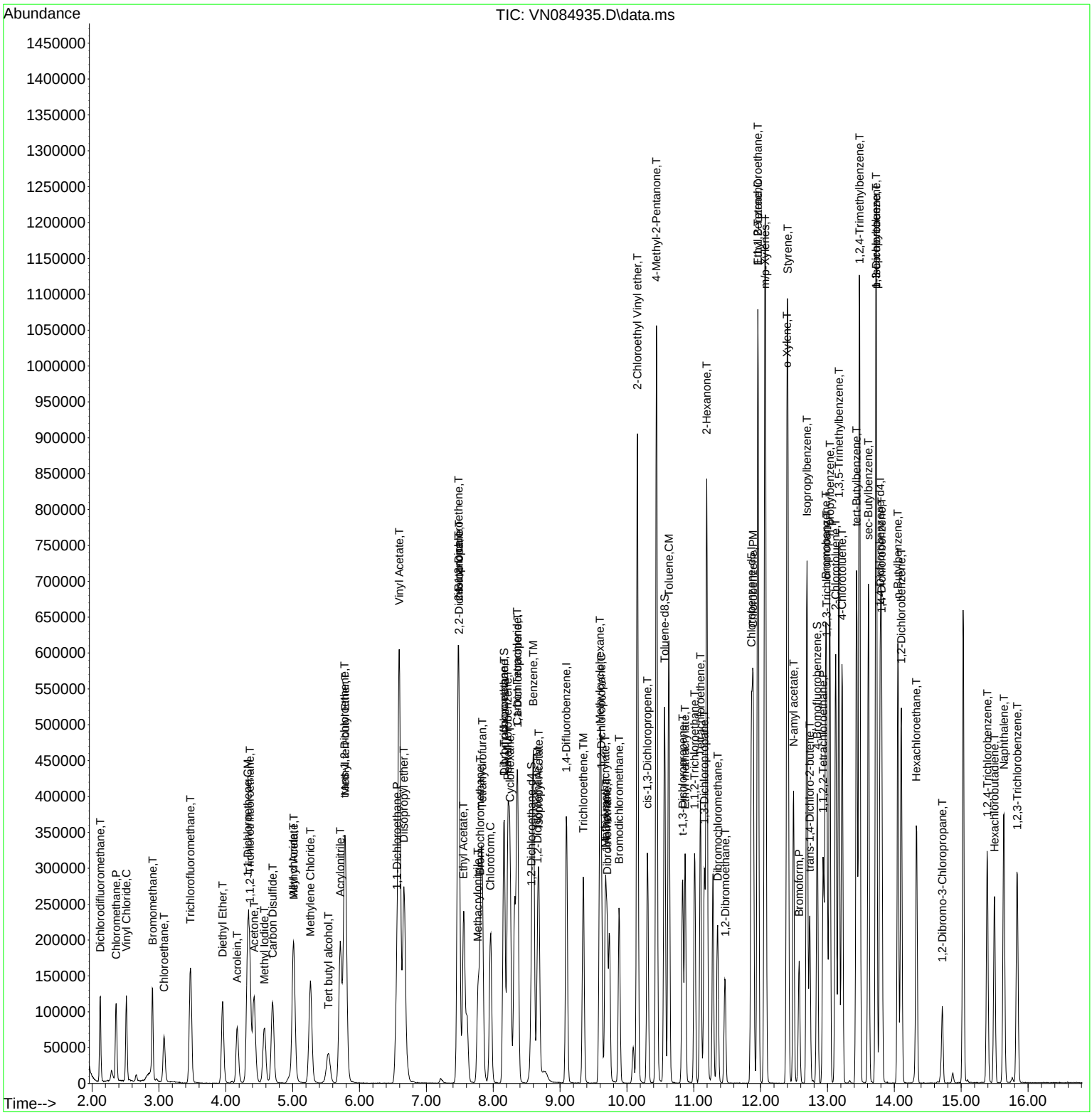
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

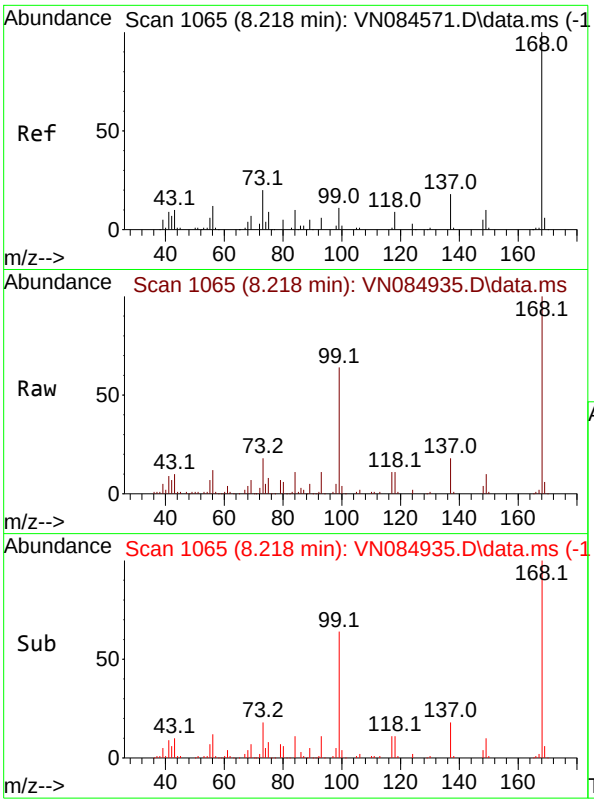
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084935.D
Acq On : 19 Nov 2024 09:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Nov 20 00:20:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



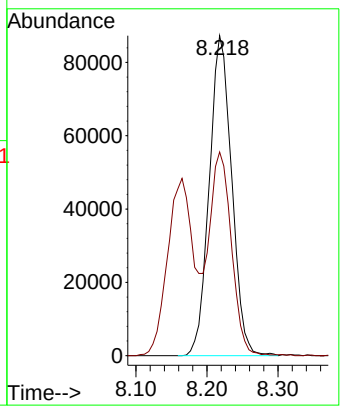


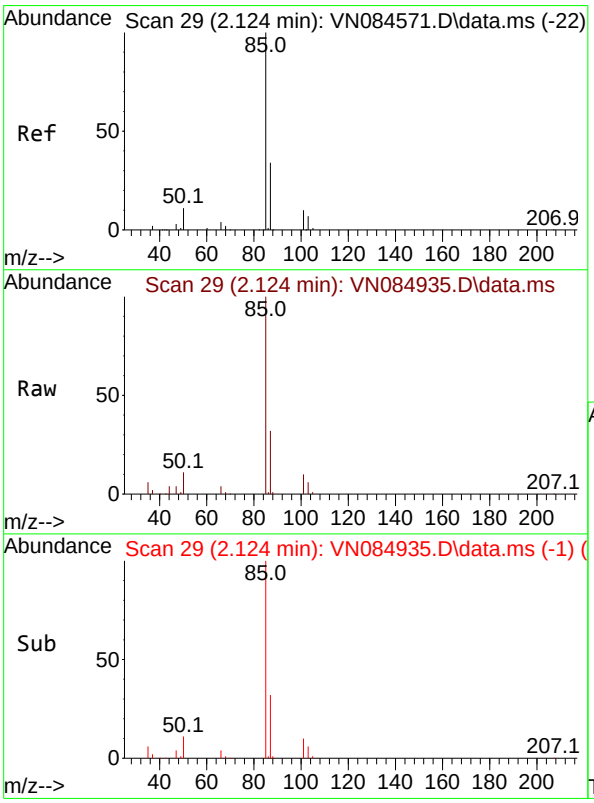
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 191121

Ion	Ratio	Lower	Upper
168	100		
99	63.3	54.2	81.2

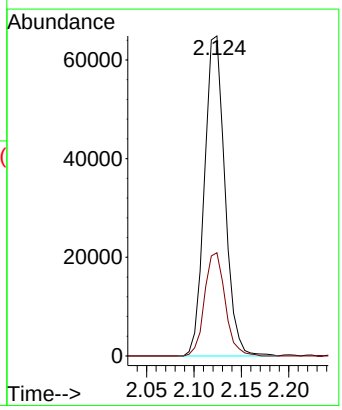


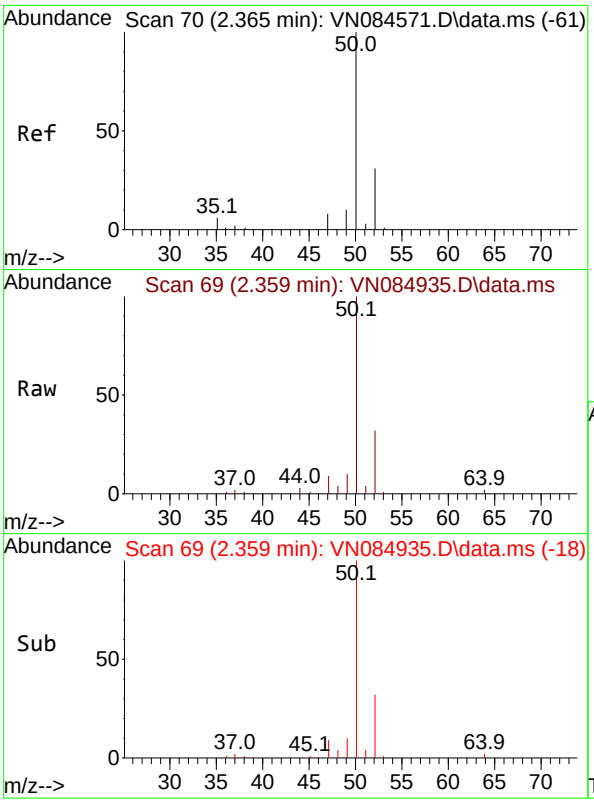


#2
Dichlorodifluoromethane
Concen: 44.150 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 85 Resp: 97001

Ion	Ratio	Lower	Upper
85	100		
87	32.3	17.6	52.9



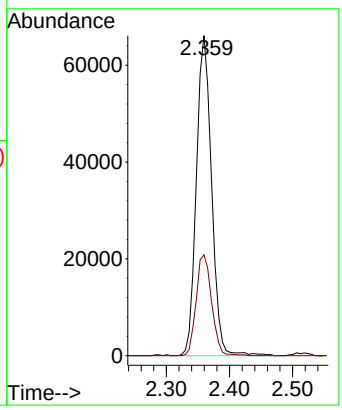


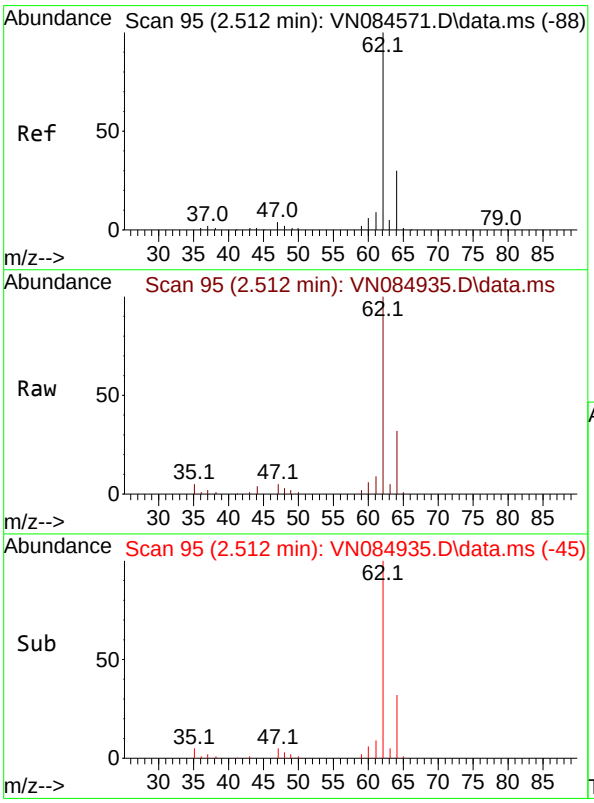
#3
Chloromethane
Concen: 42.522 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 110597

Ion	Ratio	Lower	Upper
50	100		
52	31.5	26.8	40.2

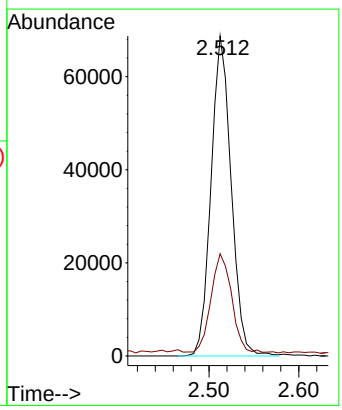


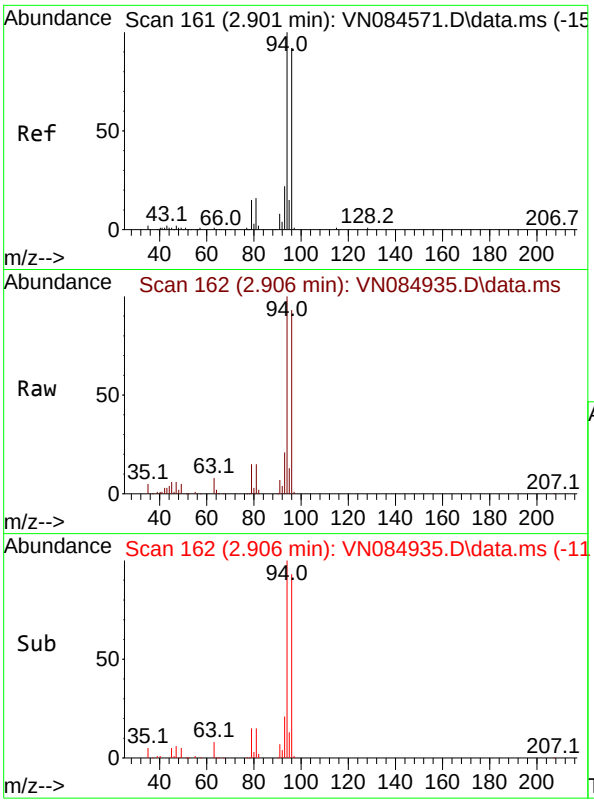


#4
Vinyl Chloride
Concen: 45.283 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 62 Resp: 107008

Ion	Ratio	Lower	Upper
62	100		
64	31.0	26.2	39.4



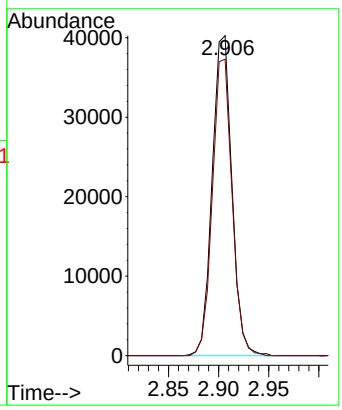


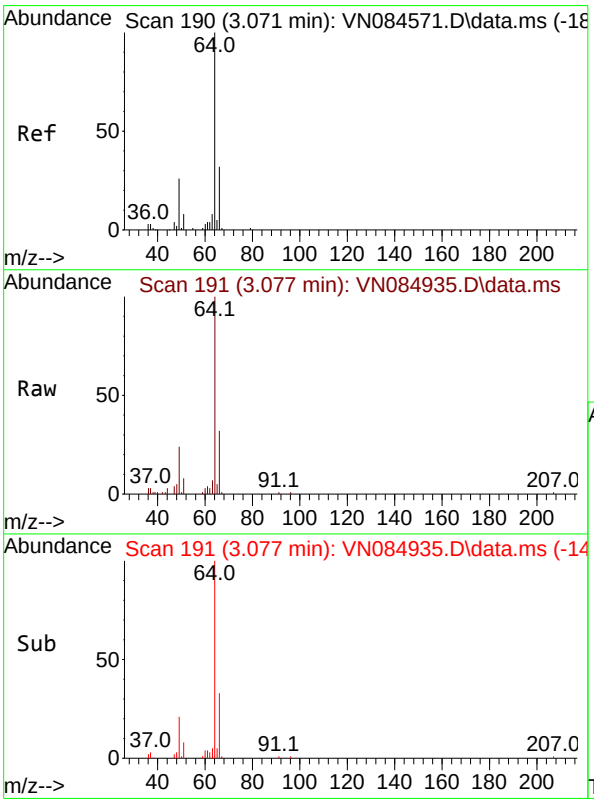
#5
Bromomethane
Concen: 44.003 ug/l
RT: 2.906 min Scan# 1
Delta R.T. -0.047 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 55094

Ion	Ratio	Lower	Upper
94	100		
96	92.6	72.9	109.3

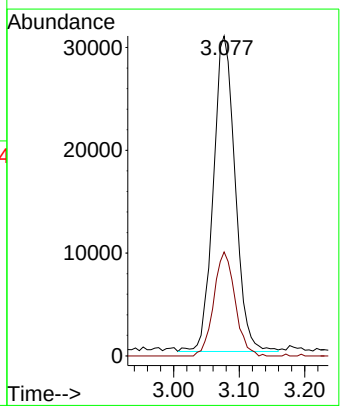


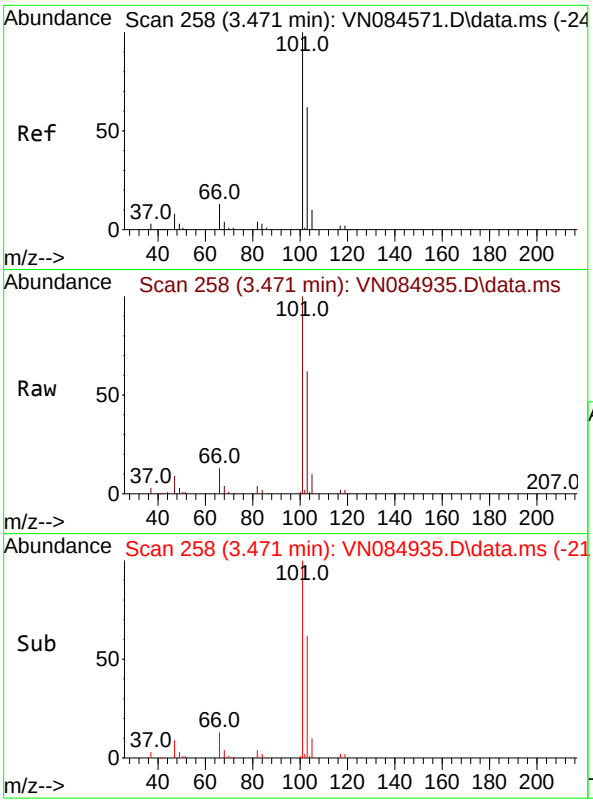


#6
Chloroethane
Concen: 48.294 ug/l
RT: 3.077 min Scan# 191
Delta R.T. -0.041 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 64 Resp: 70713

Ion	Ratio	Lower	Upper
64	100		
66	32.9	23.5	35.3



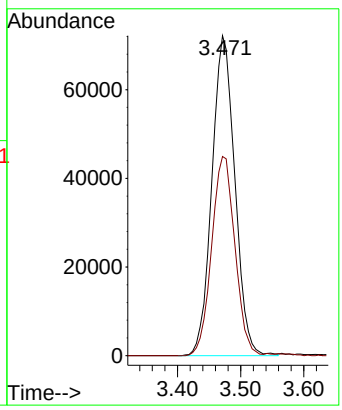


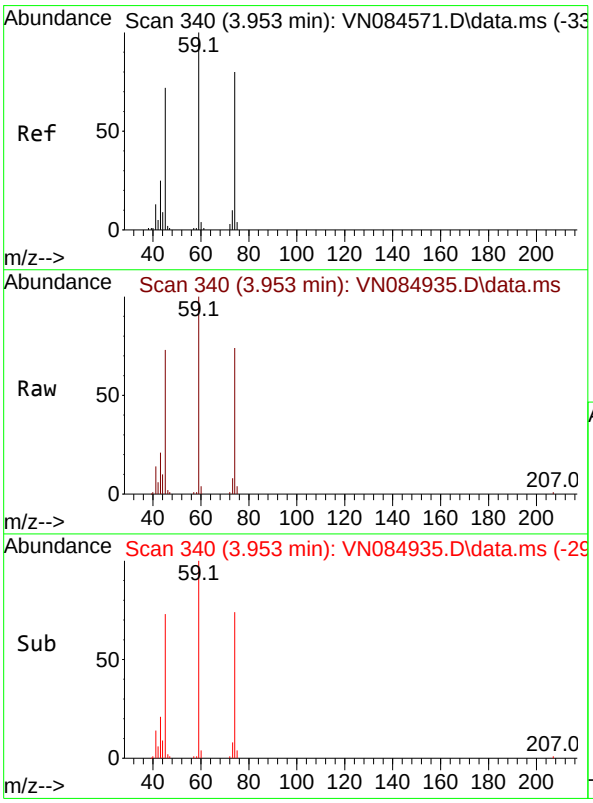
#7
Trichlorofluoromethane
Concen: 46.846 ug/l
RT: 3.471 min Scan# 2
Delta R.T. -0.024 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 182356

Ion	Ratio	Lower	Upper
101	100		
103	62.3	51.8	77.6

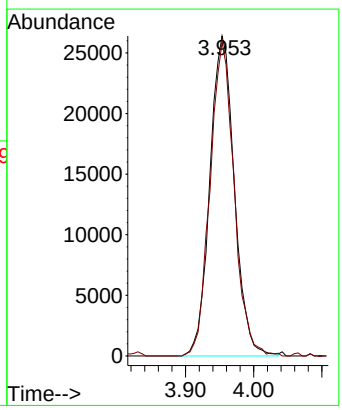


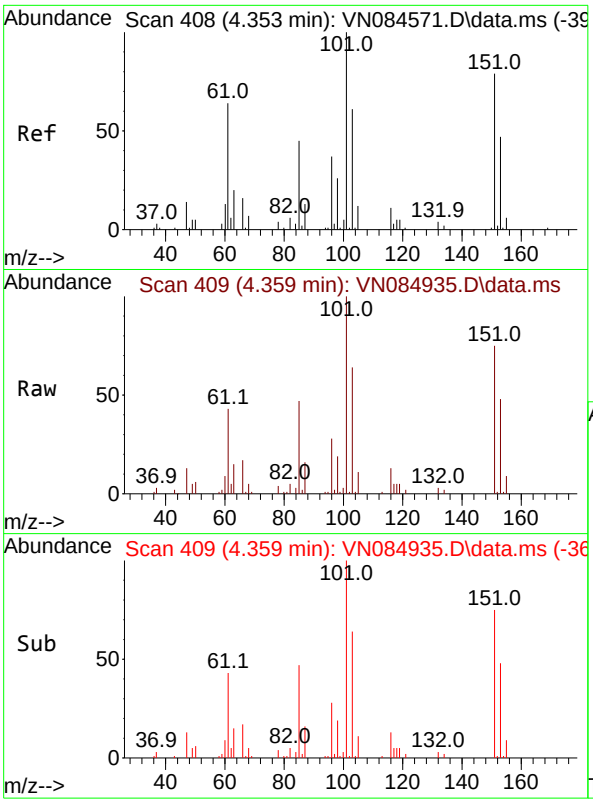


#8
Diethyl Ether
Concen: 48.018 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 74 Resp: 65937

Ion	Ratio	Lower	Upper
74	100		
45	96.8	47.7	143.1



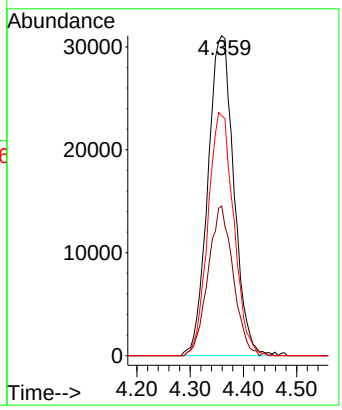


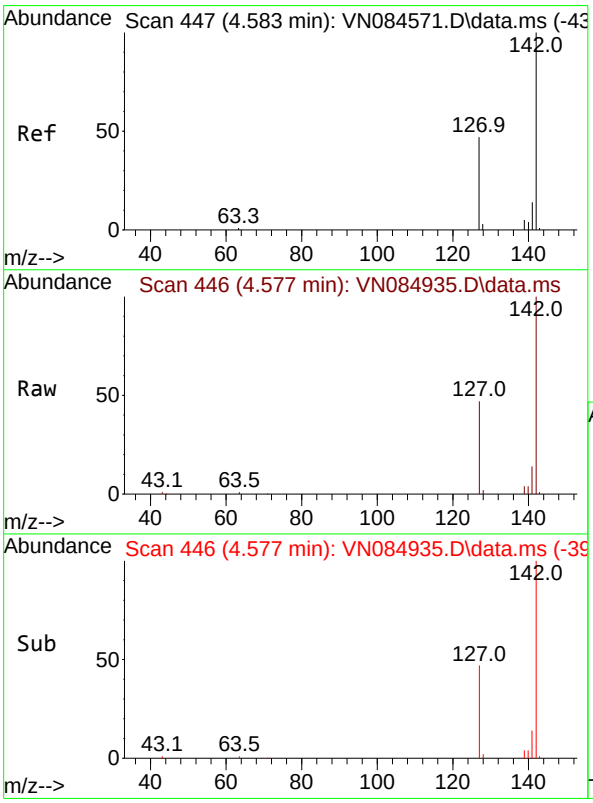
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.867 ug/l
RT: 4.359 min Scan# 4(
Delta R.T. -0.012 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 105288

Ion	Ratio	Lower	Upper
101	100		
85	45.1	36.2	54.4
151	75.3	59.3	88.9

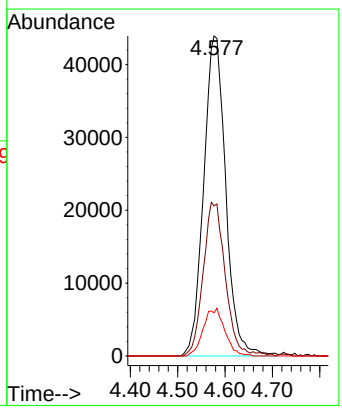


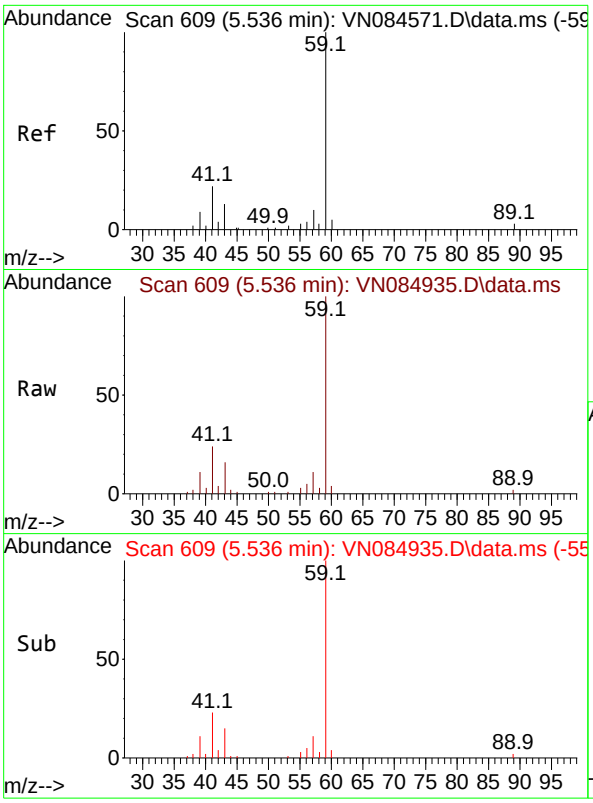


#10
Methyl Iodide
Concen: 48.358 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:142 Resp: 142160

Ion	Ratio	Lower	Upper
142	100		
127	46.9	35.3	52.9
141	13.5	11.0	16.6



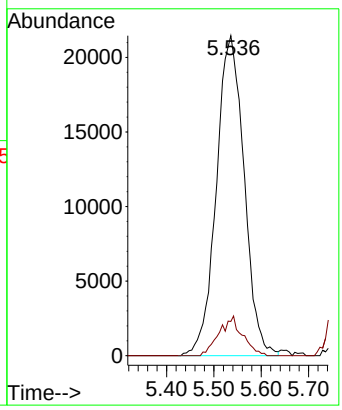


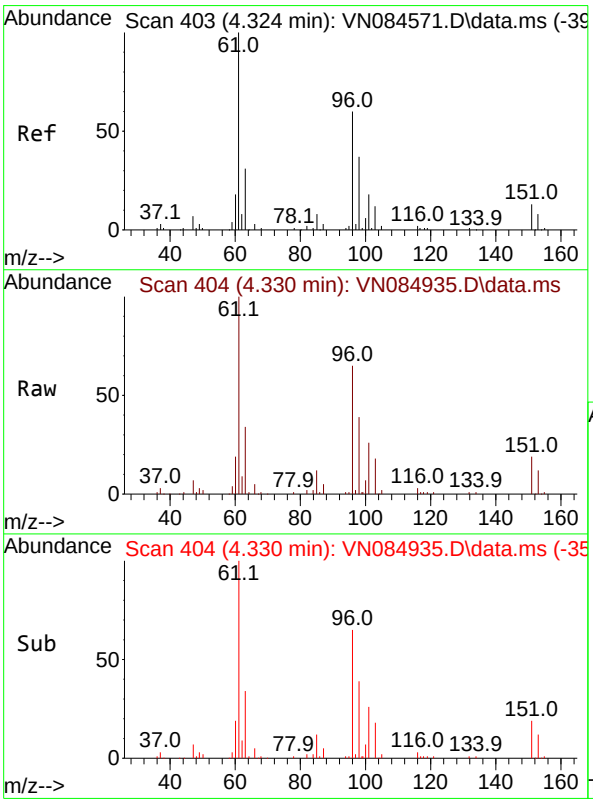
#11
Tert butyl alcohol
Concen: 240.025 ug/l
RT: 5.536 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 87458

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

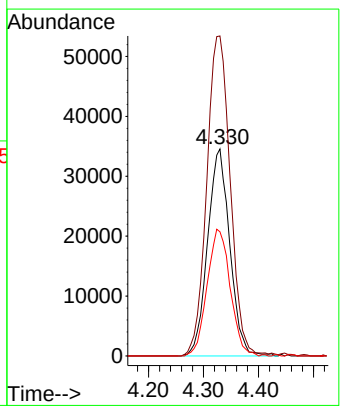


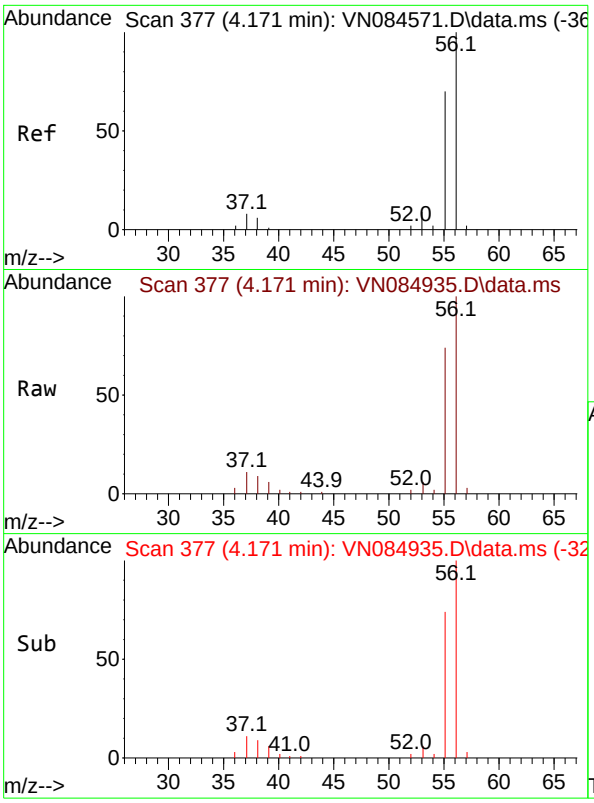


#12
1,1-Dichloroethene
Concen: 44.604 ug/l
RT: 4.330 min Scan# 404
Delta R.T. -0.012 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 96 Resp: 97079

Ion	Ratio	Lower	Upper
96	100		
61	154.6	128.6	192.8
98	60.0	51.7	77.5



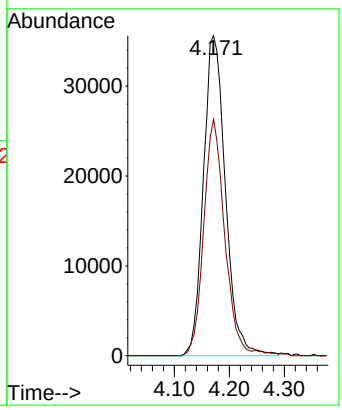


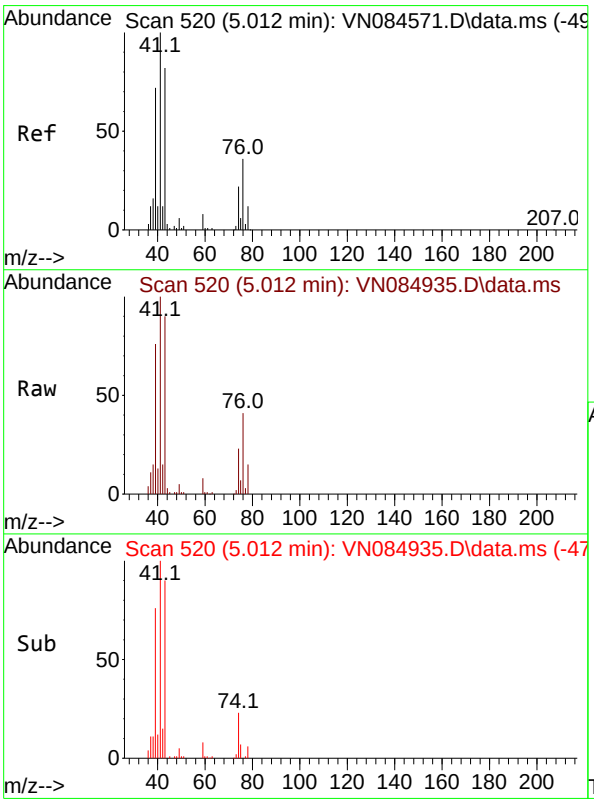
#13
Acrolein
Concen: 272.913 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 99160

Ion	Ratio	Lower	Upper
56	100		
55	69.8	57.2	85.8

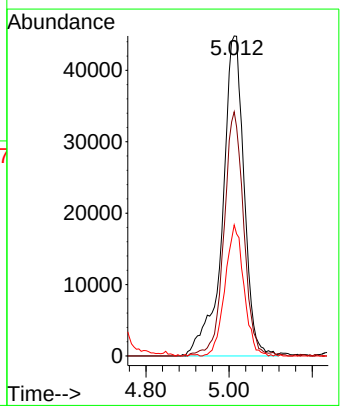


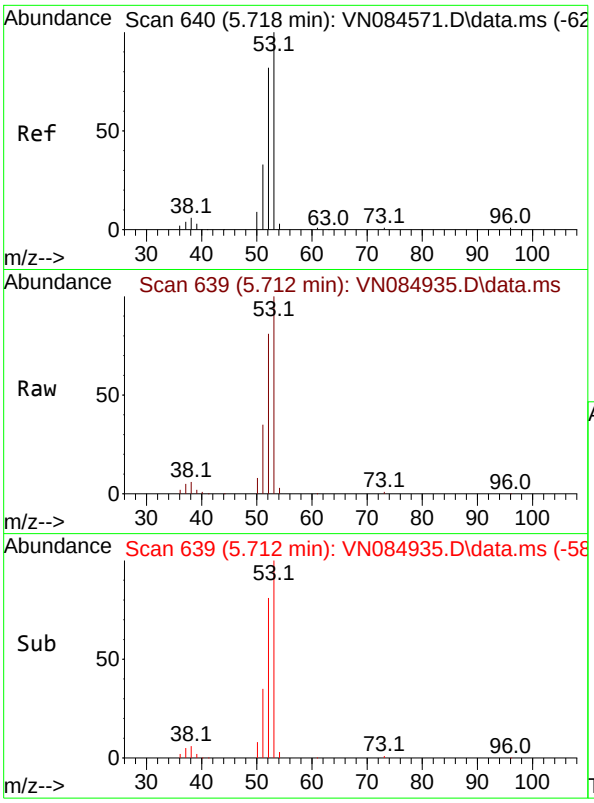


#14
Allyl chloride
Concen: 45.828 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 41 Resp: 161760

Ion	Ratio	Lower	Upper
41	100		
39	69.8	59.0	88.6
76	35.8	29.8	44.6



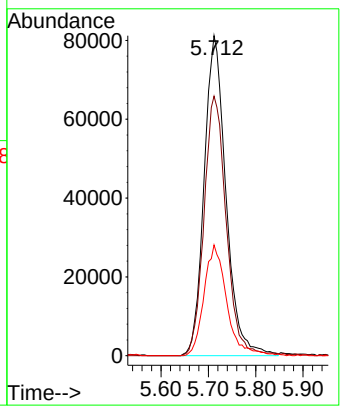


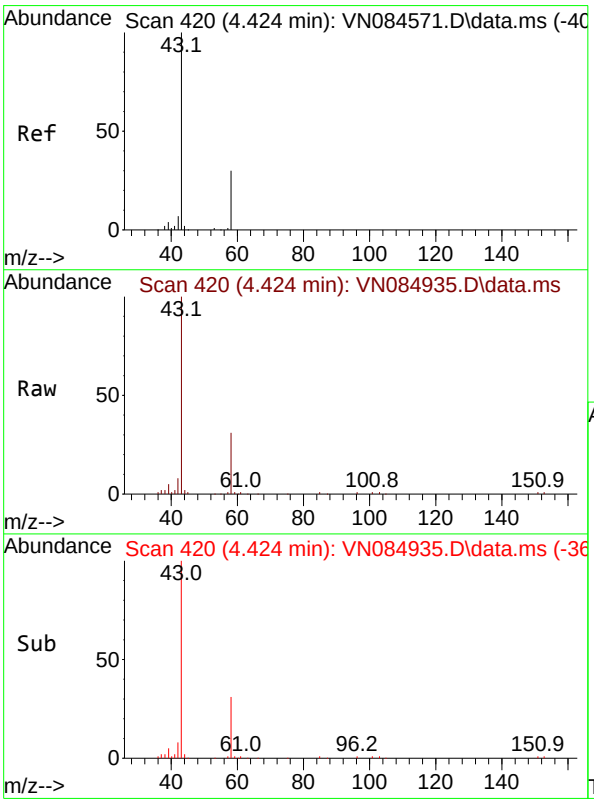
#15
Acrylonitrile
Concen: 246.673 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 260199

Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.2	99.4
51	36.0	28.8	43.2

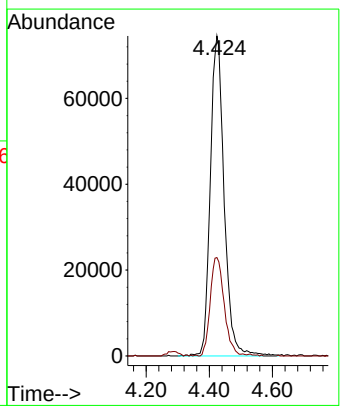


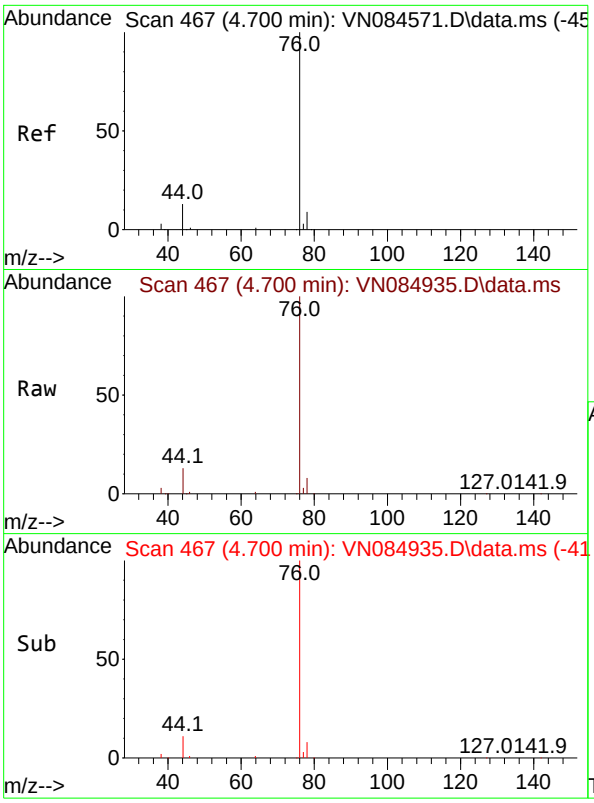


#16
Acetone
Concen: 284.903 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 43 Resp: 226860

Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.4	36.6



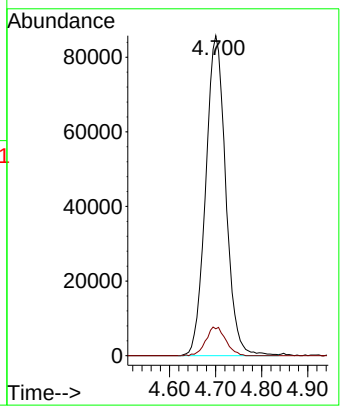


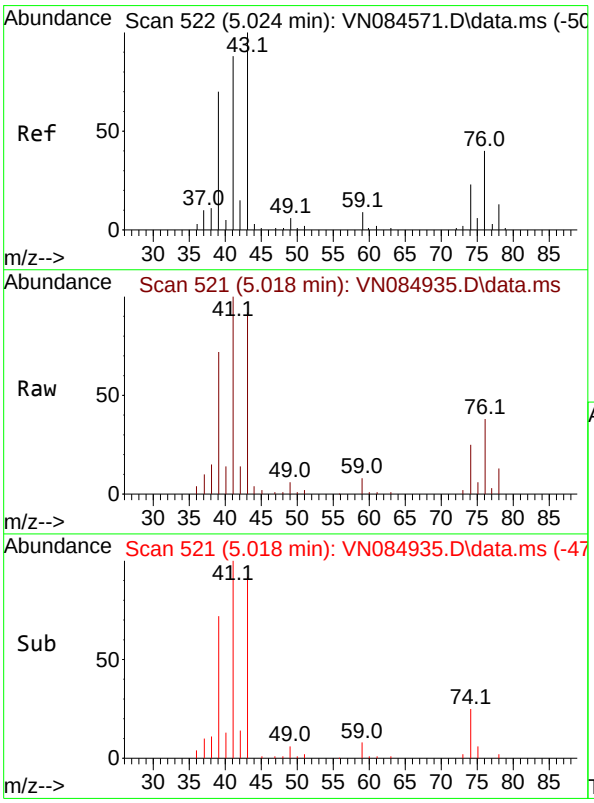
#17
Carbon Disulfide
Concen: 38.771 ug/l
RT: 4.700 min Scan# 4
Delta R.T. -0.012 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 259868

Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.3	10.9

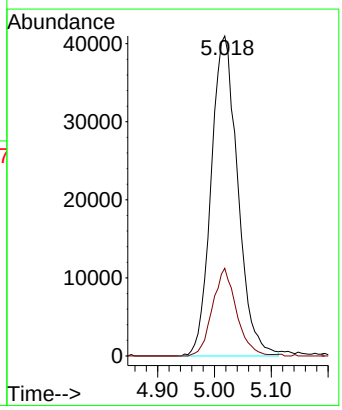


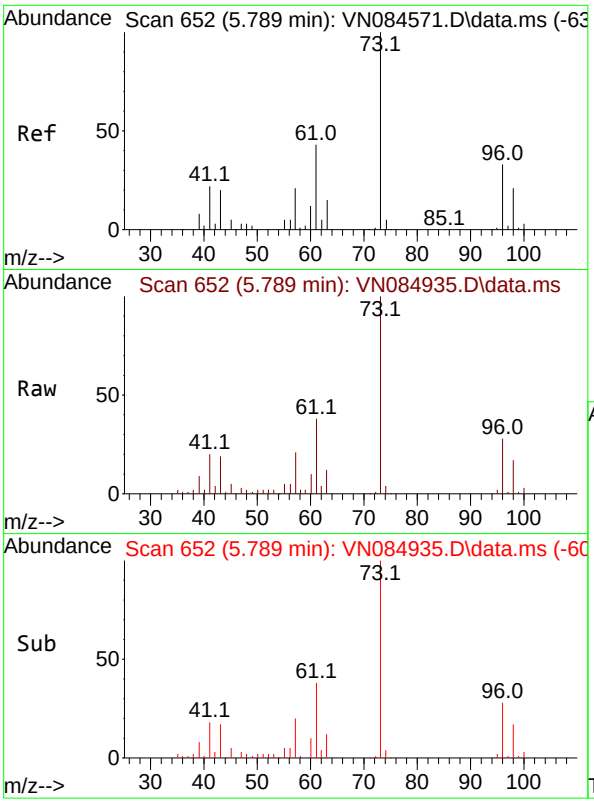


#18
Methyl Acetate
Concen: 45.365 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 43 Resp: 133214

Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.2	28.8



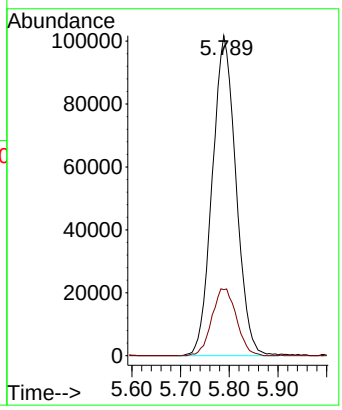


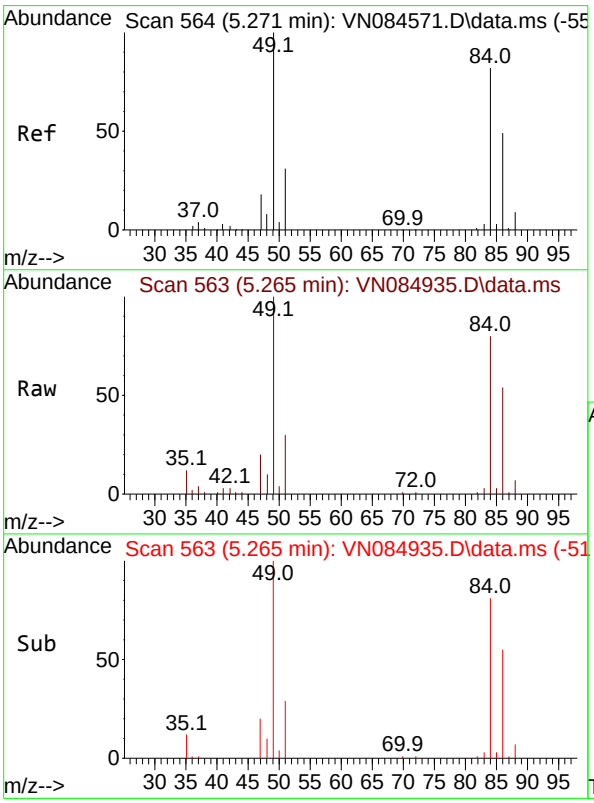
#19
Methyl tert-butyl Ether
Concen: 51.644 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 344516

Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.7	26.5

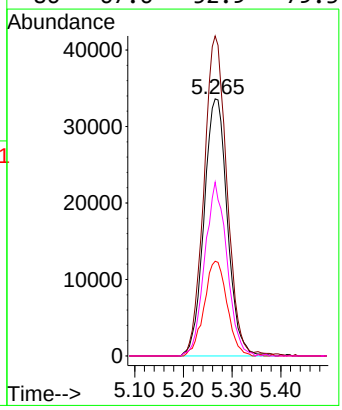


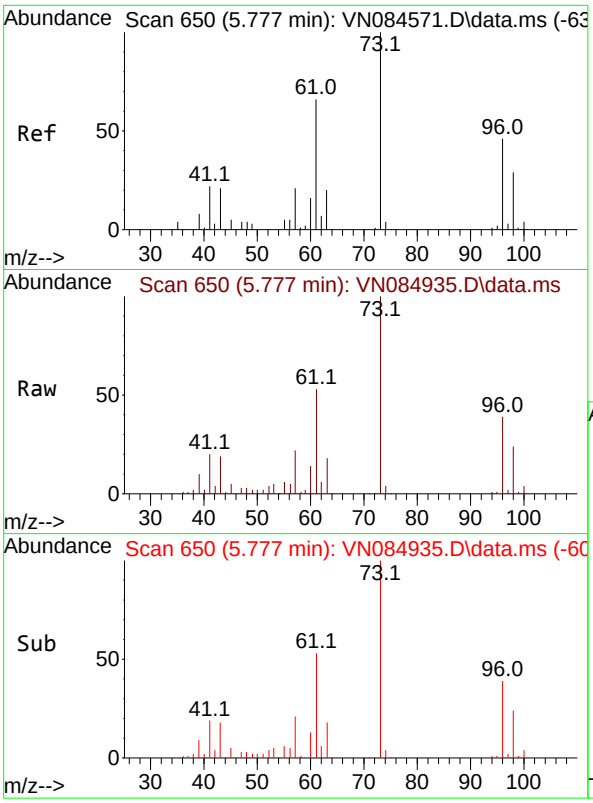


#20
Methylene Chloride
Concen: 46.103 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 84 Resp: 111930

Ion	Ratio	Lower	Upper
84	100		
49	124.5	107.2	160.8
51	36.9	31.8	47.8
86	67.6	52.9	79.3



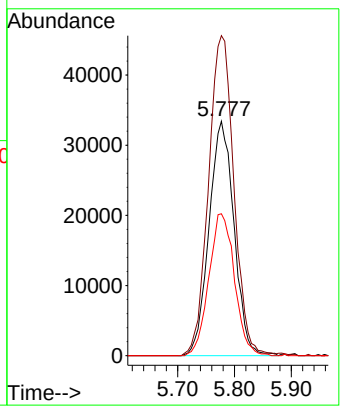


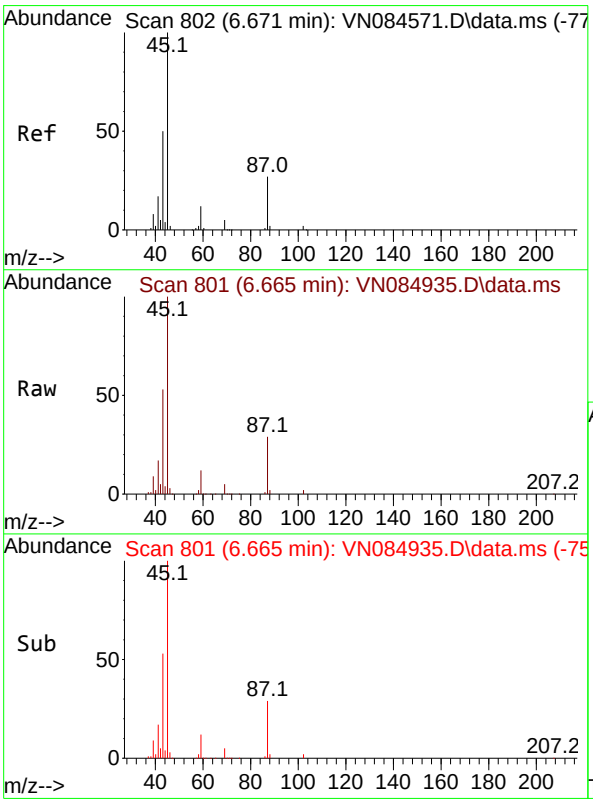
#21
trans-1,2-Dichloroethene
Concen: 45.743 ug/l
RT: 5.777 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 102229

Ion	Ratio	Lower	Upper
96	100		
61	136.5	108.4	162.6
98	60.6	49.8	74.8

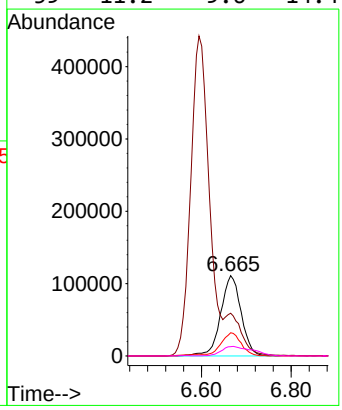


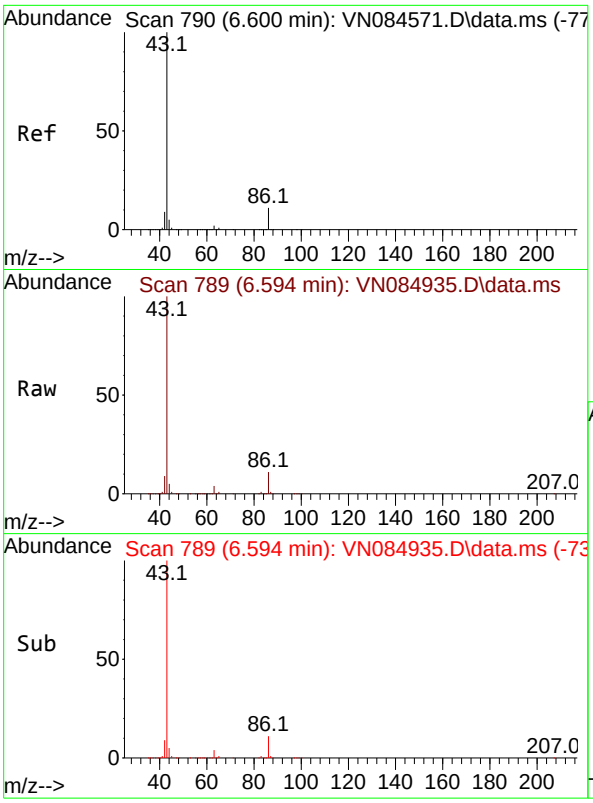


#22
Diisopropyl ether
Concen: 50.286 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 45 Resp: 352685

Ion	Ratio	Lower	Upper
45	100		
43	52.1	42.3	63.5
87	28.8	21.8	32.6
59	11.2	9.6	14.4



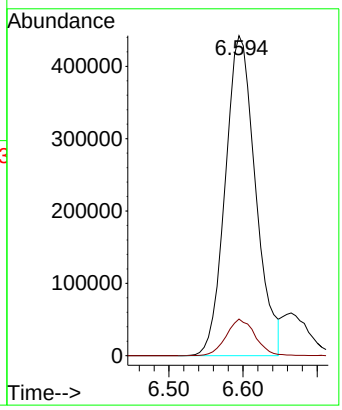


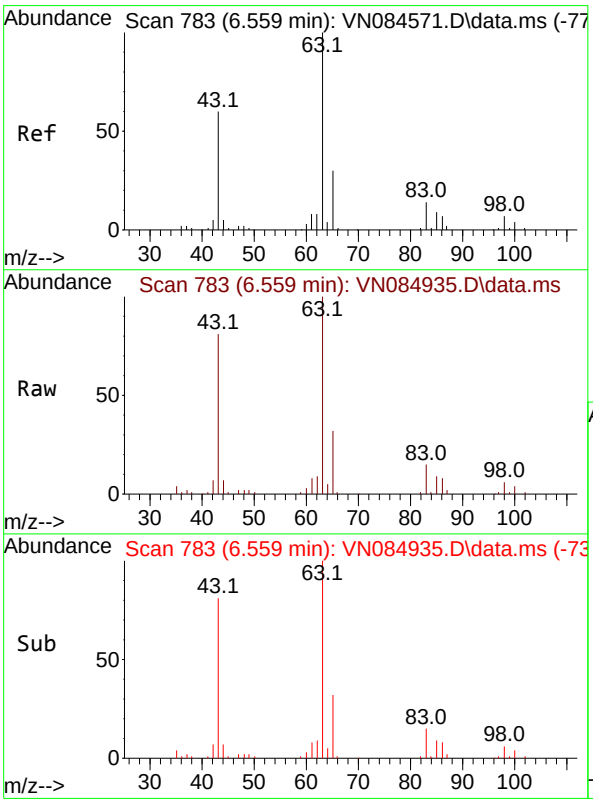
#23
Vinyl Acetate
Concen: 259.595 ug/l
RT: 6.594 min Scan# 7
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1255562

Ion	Ratio	Lower	Upper
43	100		
86	11.5	8.6	12.8

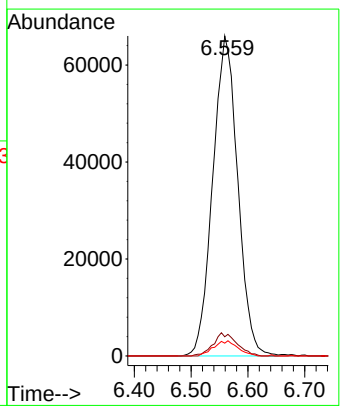


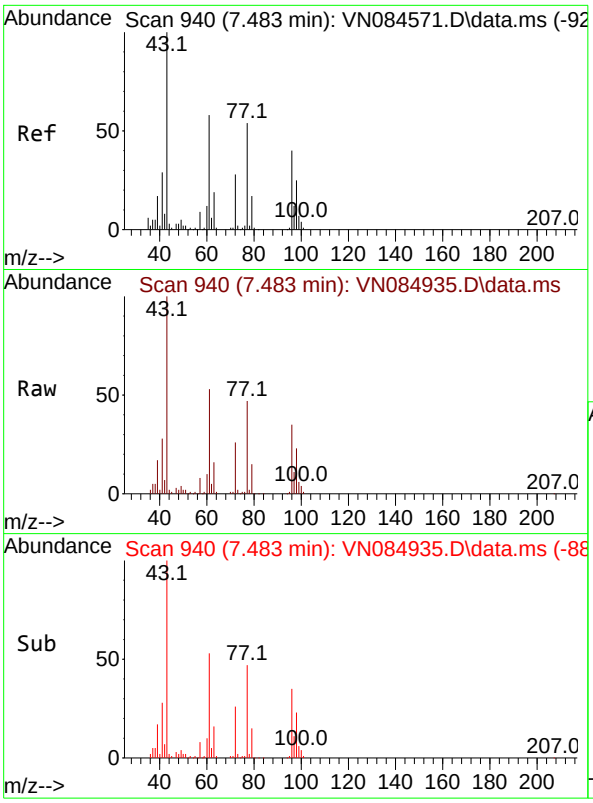


#24
1,1-Dichloroethane
Concen: 47.872 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 63 Resp: 201578

Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.4	10.2
100	4.0	2.0	5.8



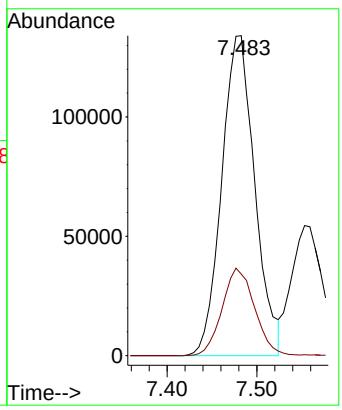


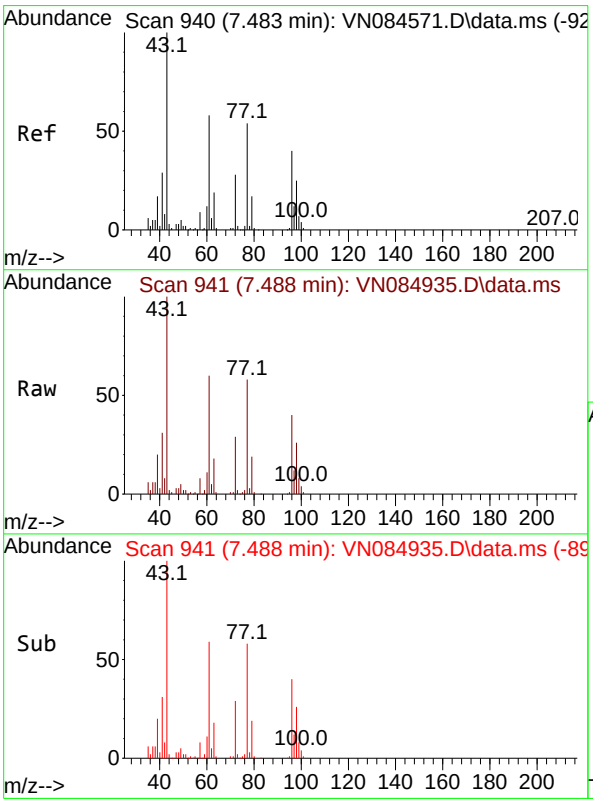
#25
2-Butanone
Concen: 267.147 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 344040

Ion	Ratio	Lower	Upper
43	100		
72	25.5	21.4	32.2

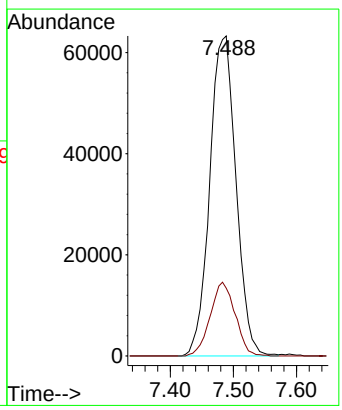


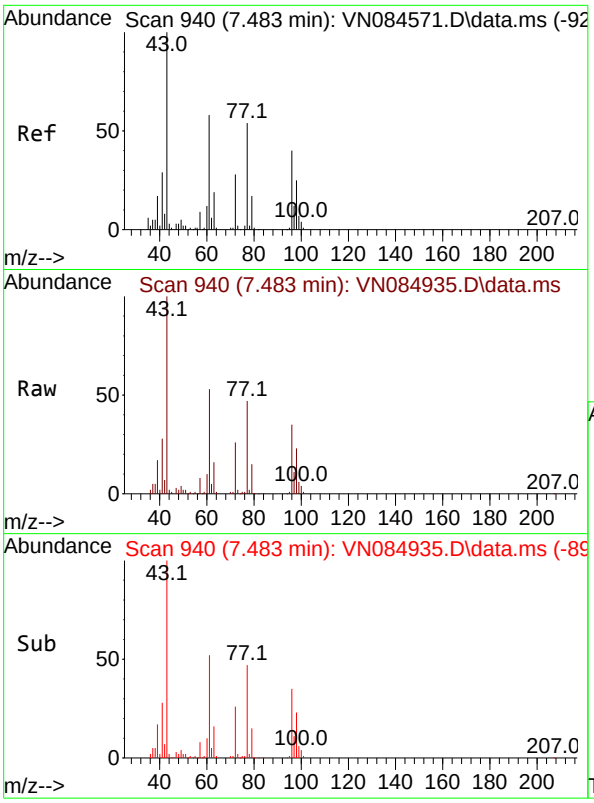


#26
2,2-Dichloropropane
Concen: 49.847 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 77 Resp: 182683

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.8	32.3



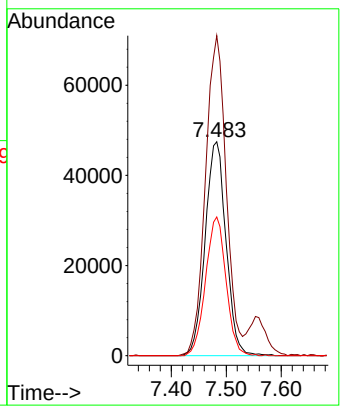


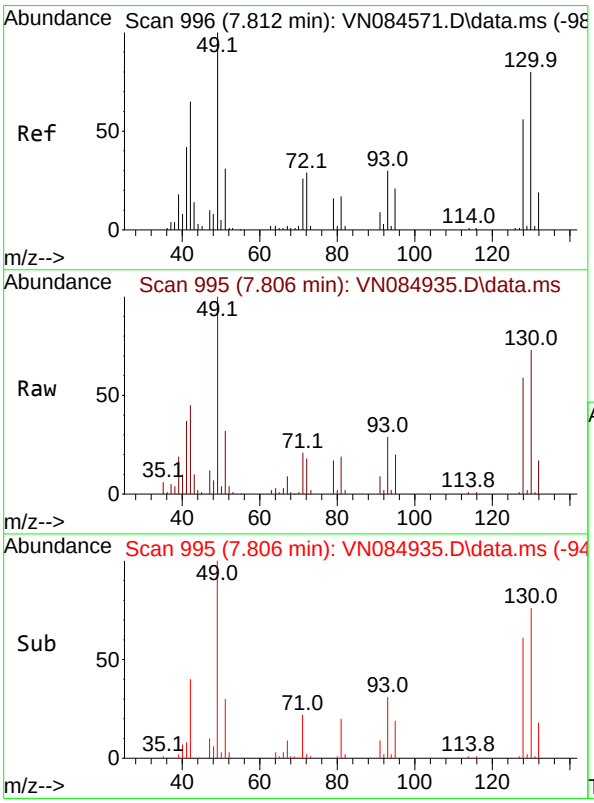
#27
cis-1,2-Dichloroethene
Concen: 47.994 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 125243

Ion	Ratio	Lower	Upper
96	100		
61	148.7	0.0	301.8
98	63.6	0.0	128.2

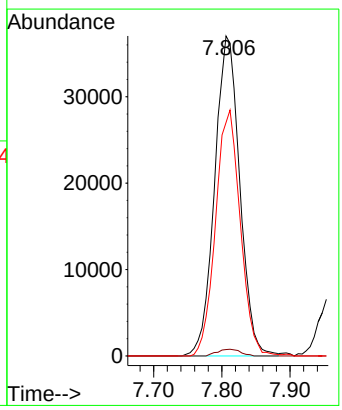


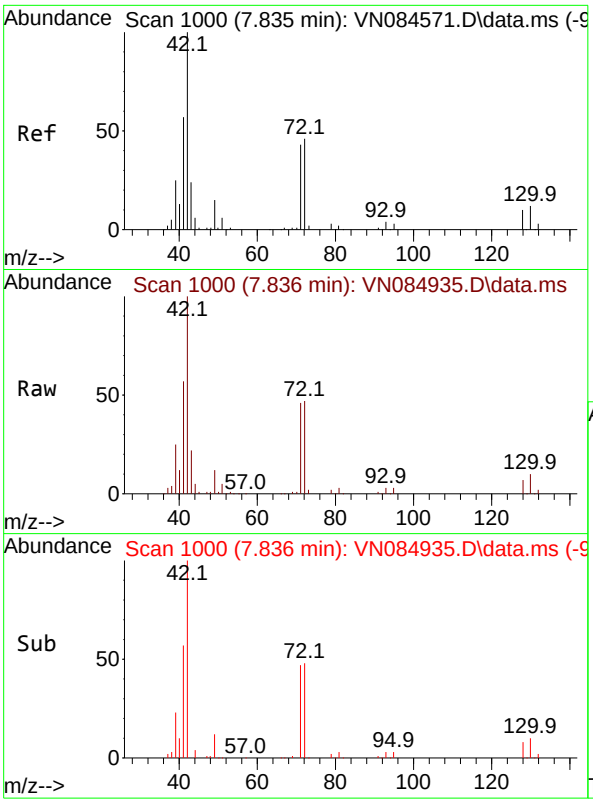


#28
Bromochloromethane
Concen: 56.639 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 49 Resp: 95018

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	75.8	58.0	87.0



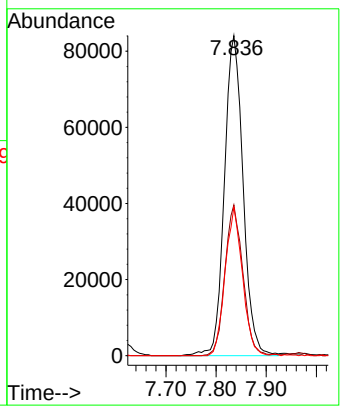


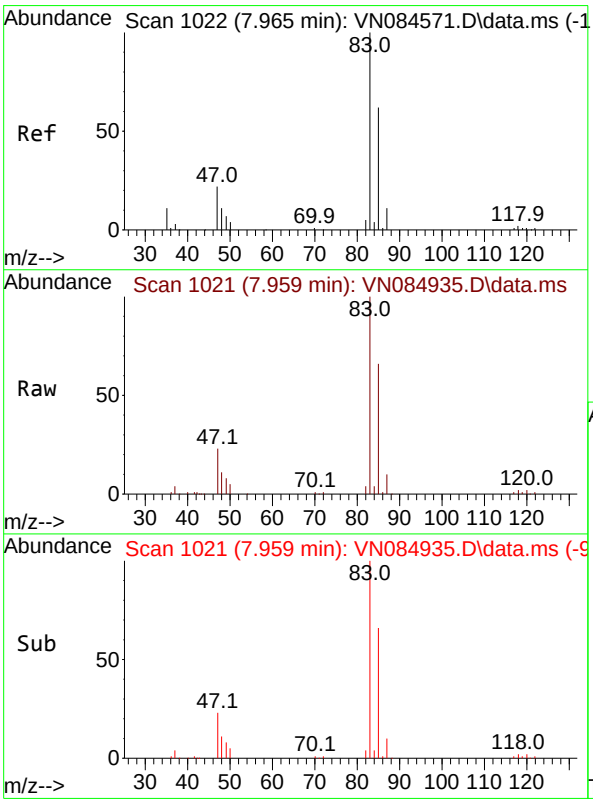
#29
Tetrahydrofuran
Concen: 255.360 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 218171

Ion	Ratio	Lower	Upper
42	100		
72	45.4	34.6	51.8
71	43.0	32.2	48.4

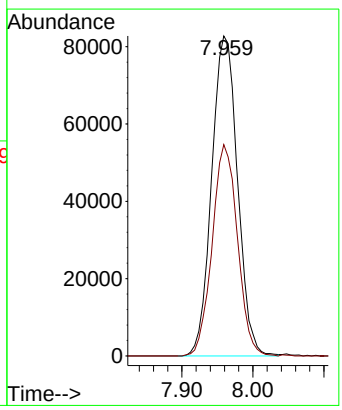


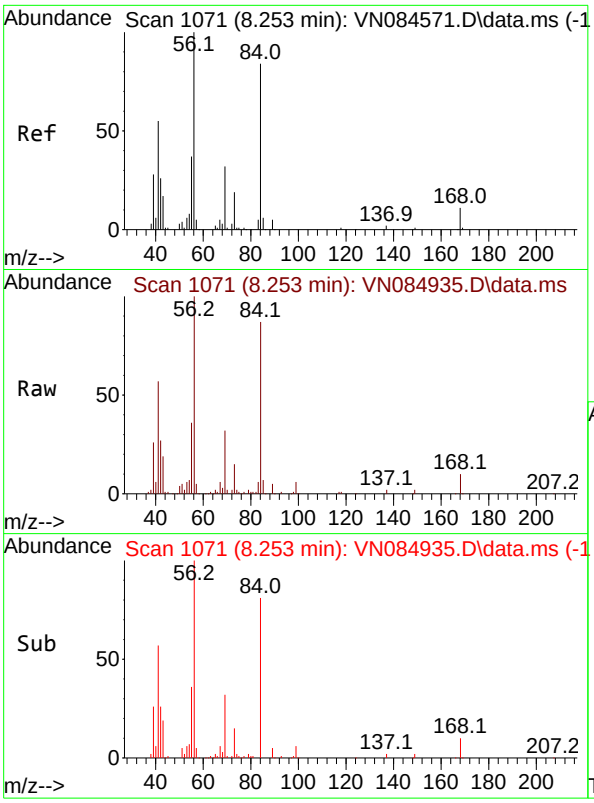


#30
Chloroform
Concen: 48.799 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 83 Resp: 209141

Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.0	76.4



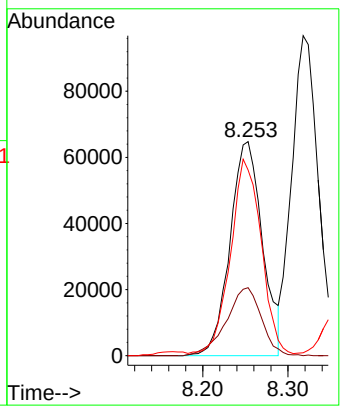


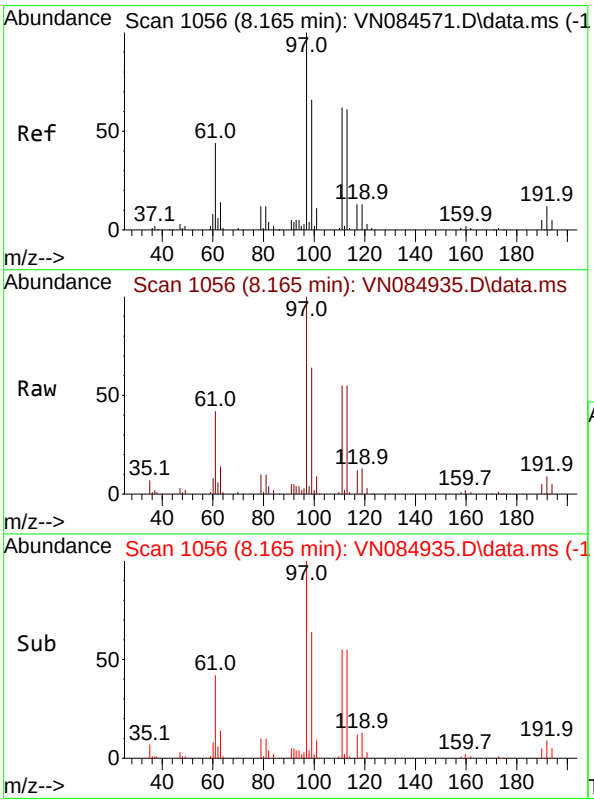
#31
Cyclohexane
Concen: 45.071 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 171769

Ion	Ratio	Lower	Upper
56	100		
69	31.8	23.8	35.6
84	85.0	68.8	103.2

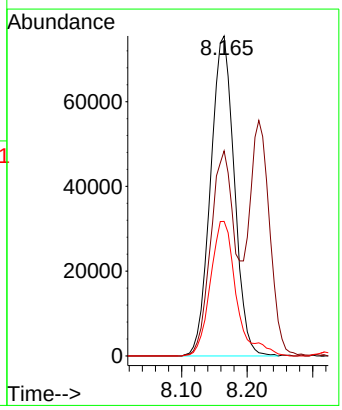


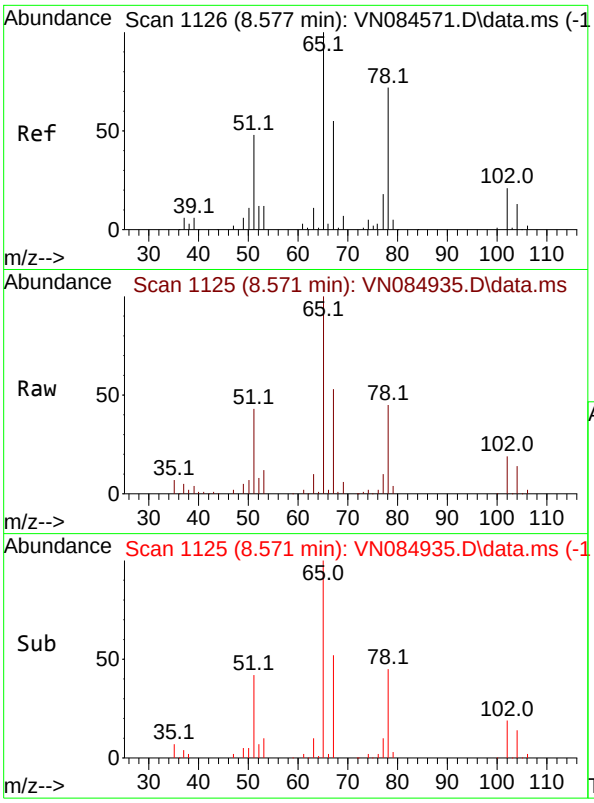


#32
1,1,1-Trichloroethane
Concen: 48.647 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 97 Resp: 189765

Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.2	76.8
61	45.9	37.5	56.3



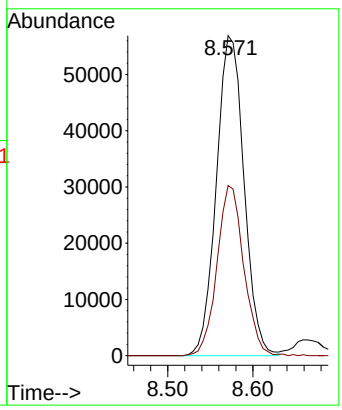


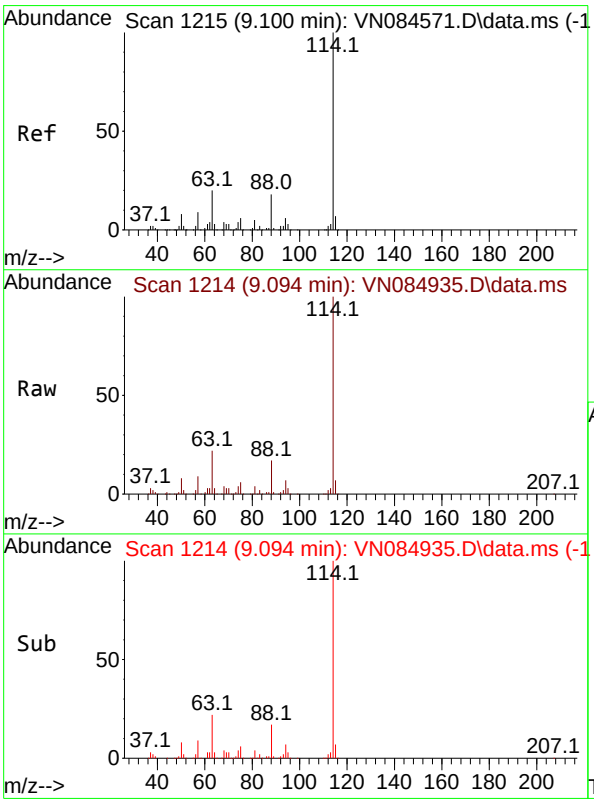
#33
1,2-Dichloroethane-d4
Concen: 46.504 ug/l
RT: 8.571 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 128370

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	102.0

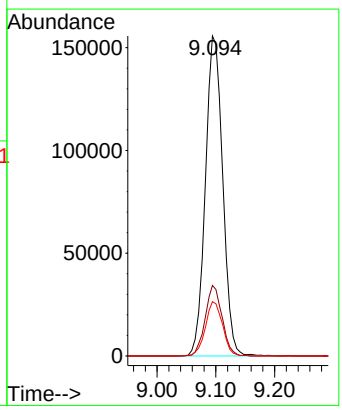


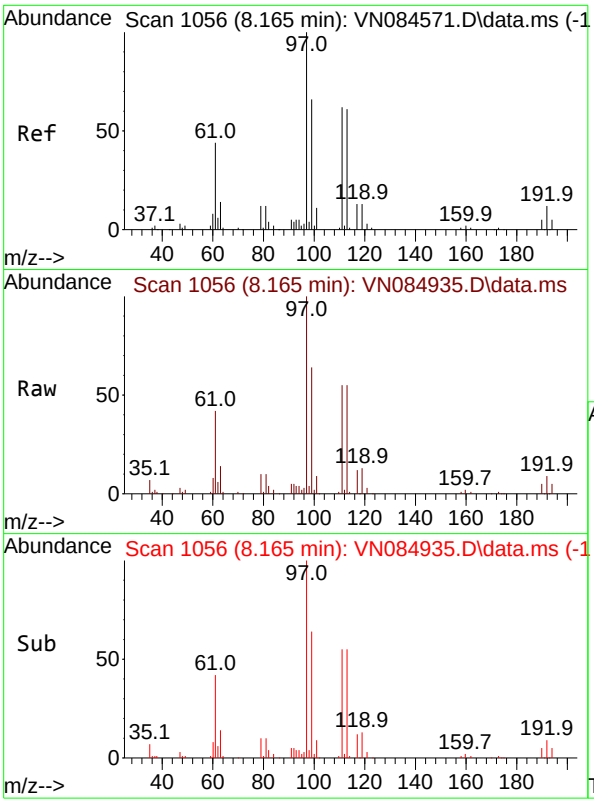


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:114 Resp: 319795

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	43.8
88	17.0	0.0	31.6



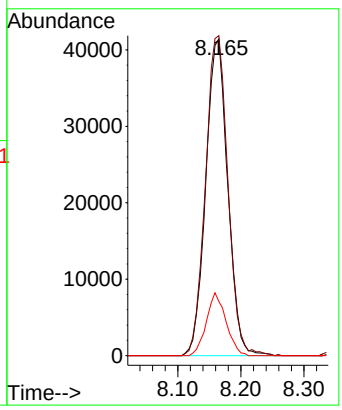


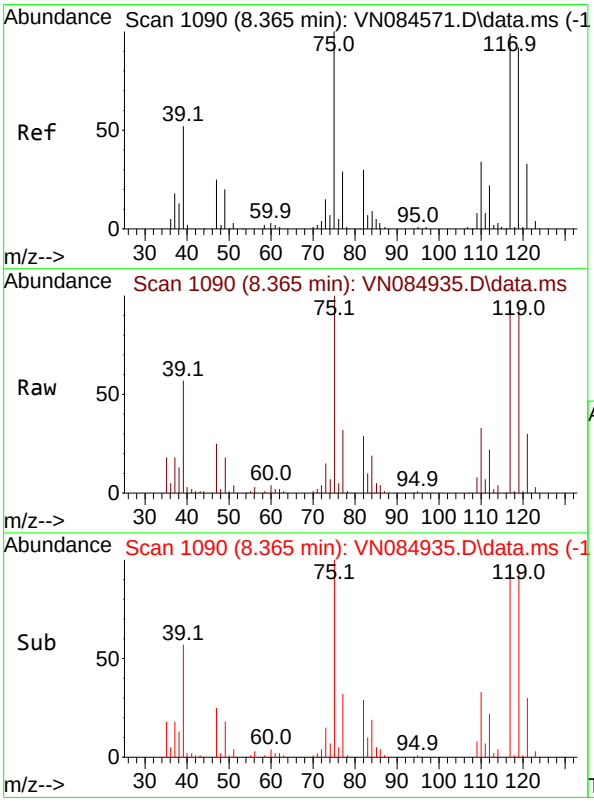
#35
Dibromofluoromethane
Concen: 46.334 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 100296

Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.3	124.9
192	17.8	13.5	20.3

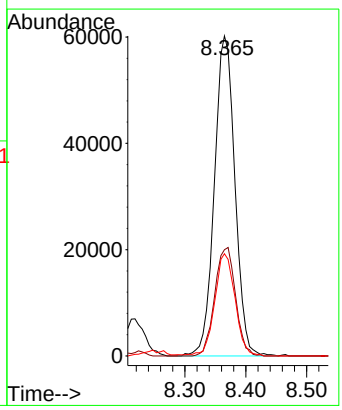


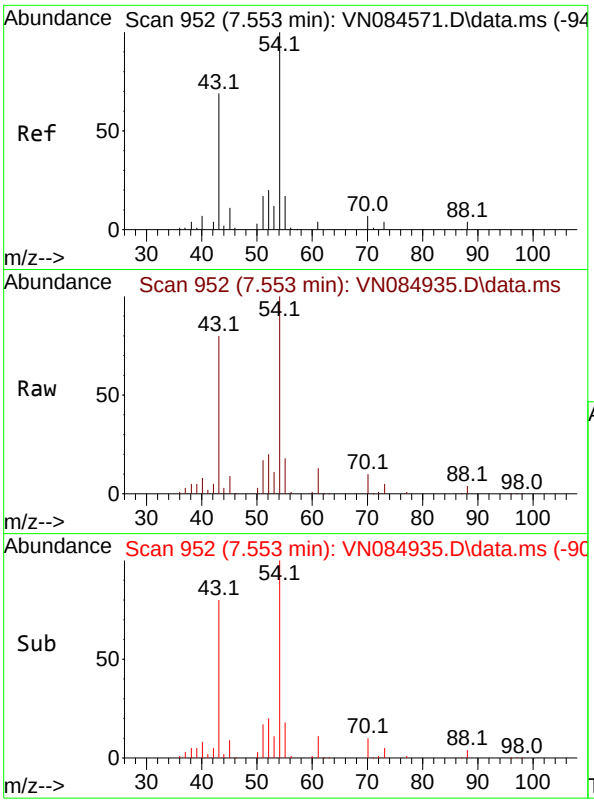


#36
1,1-Dichloropropene
Concen: 46.967 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 75 Resp: 140999

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.7
77	31.8	24.7	37.1



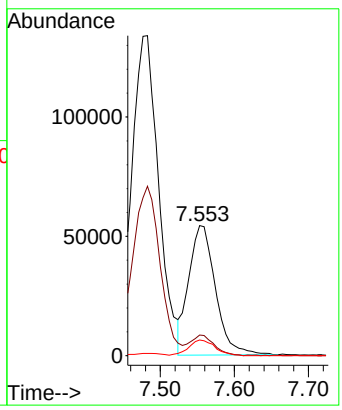


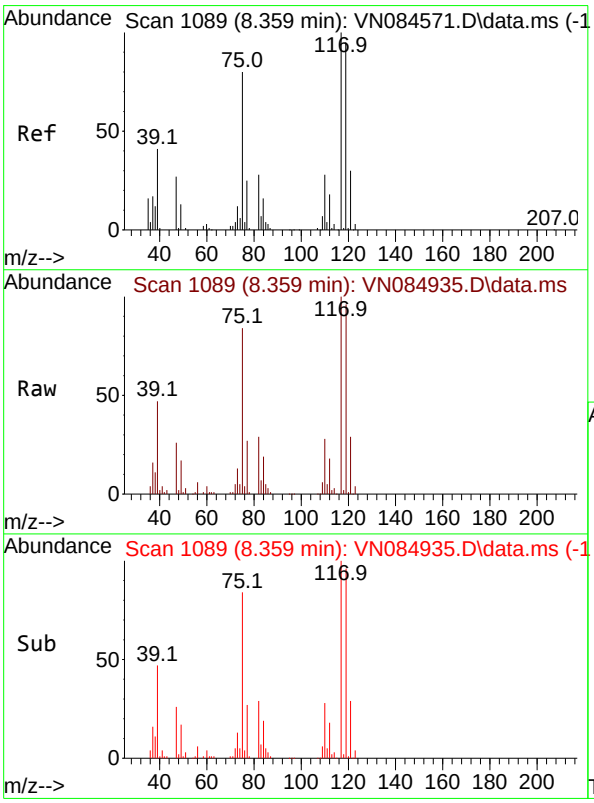
#37
Ethyl Acetate
Concen: 50.101 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 136462

Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.7	16.1
70	11.9	8.8	13.2

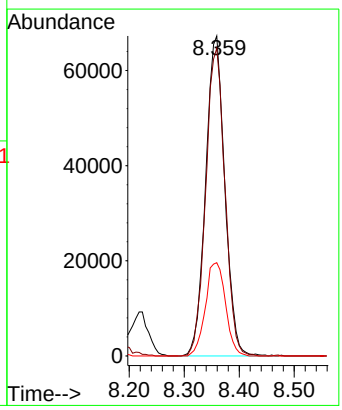


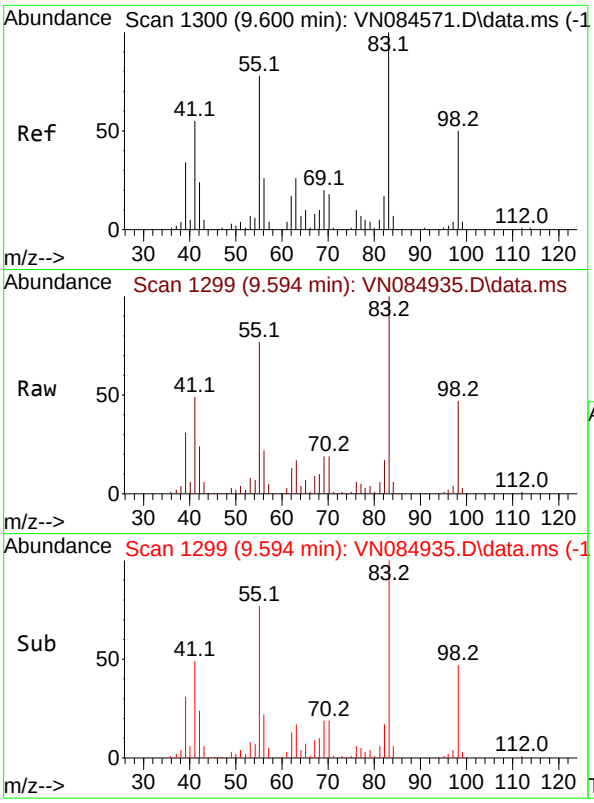


#38
Carbon Tetrachloride
Concen: 48.570 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:117 Resp: 162977

Ion	Ratio	Lower	Upper
117	100		
119	96.1	78.7	118.1
121	29.1	24.4	36.6



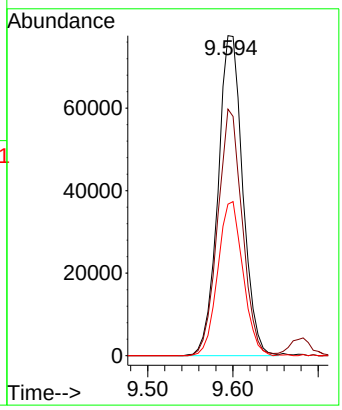


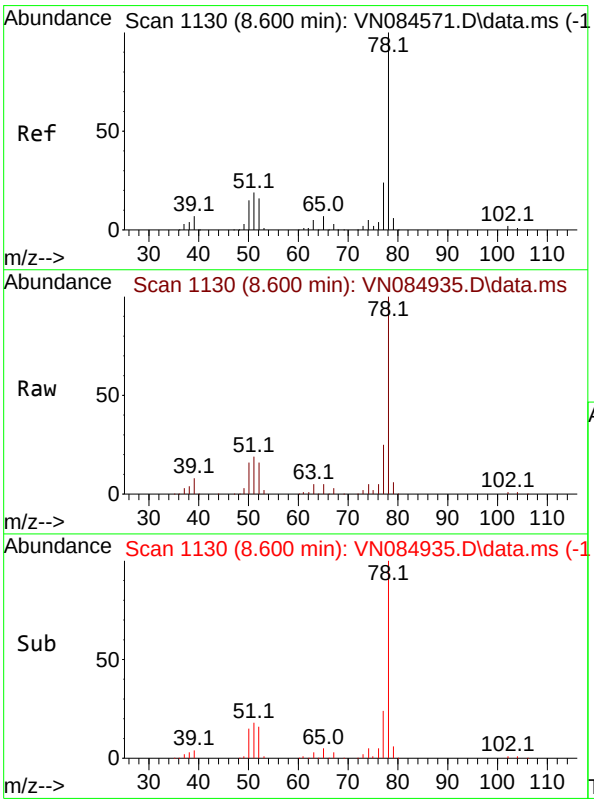
#39
Methylcyclohexane
Concen: 51.303 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 156684

Ion	Ratio	Lower	Upper
83	100		
55	77.0	62.8	94.2
98	47.3	38.8	58.2

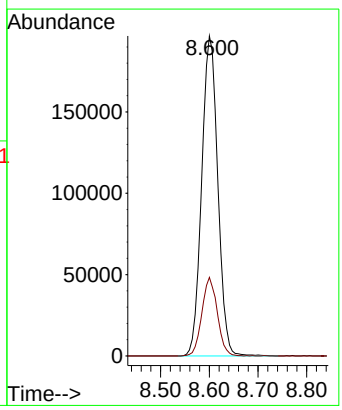


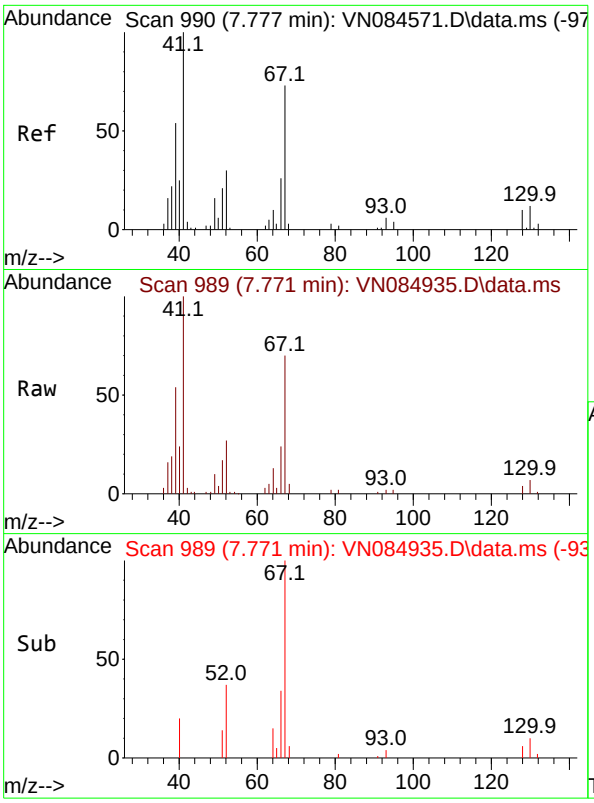


#40
Benzene
Concen: 46.788 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 78 Resp: 451082

Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.1	28.7



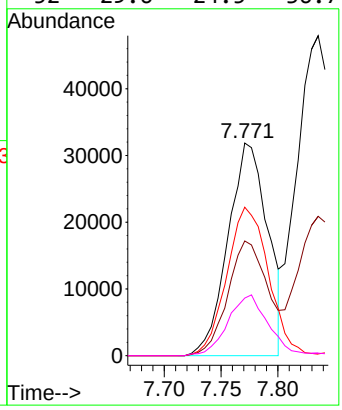


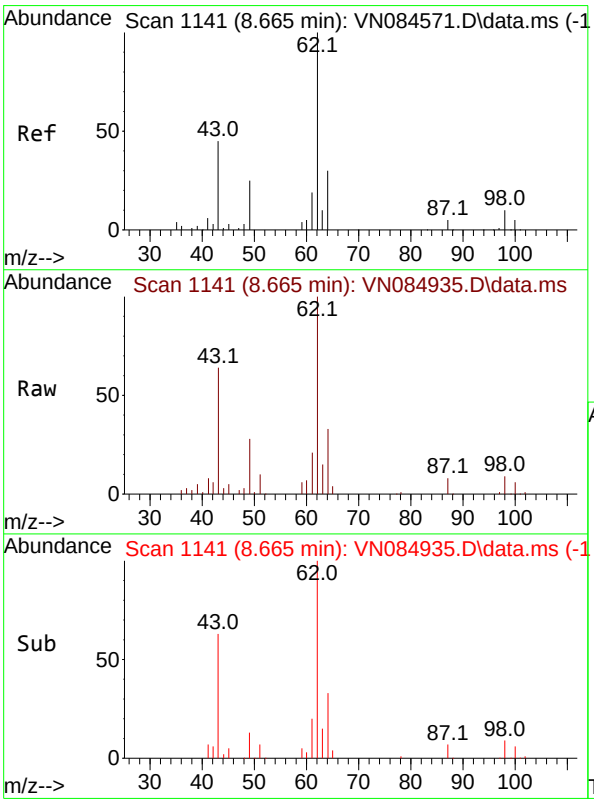
#41
Methacrylonitrile
Concen: 52.820 ug/l
RT: 7.771 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 77366

Ion	Ratio	Lower	Upper
41	100		
39	53.6	43.3	64.9
67	73.6	56.1	84.1
52	29.6	24.5	36.7

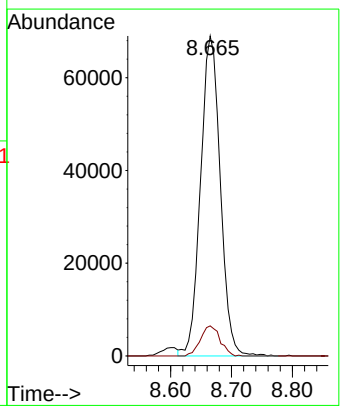


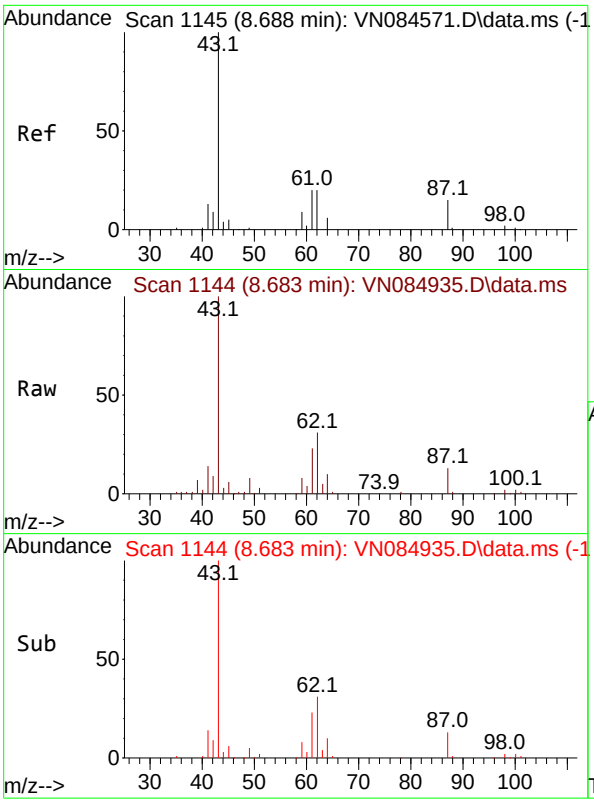


#42
1,2-Dichloroethane
Concen: 49.771 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 62 Resp: 155403

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.2



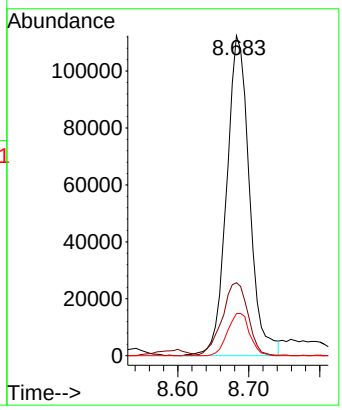


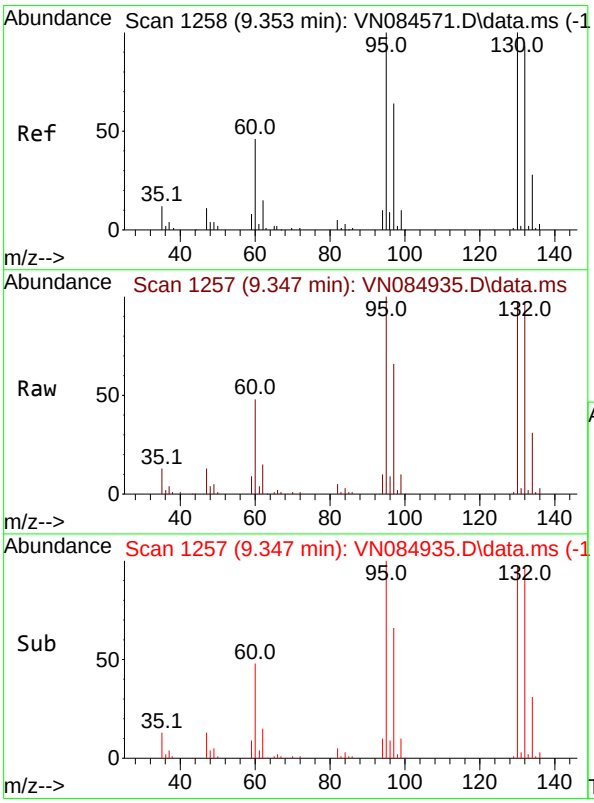
#43
Isopropyl Acetate
Concen: 49.952 ug/l
RT: 8.683 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 251358

Ion	Ratio	Lower	Upper
43	100		
61	25.7	20.4	30.6
87	12.8	10.3	15.5

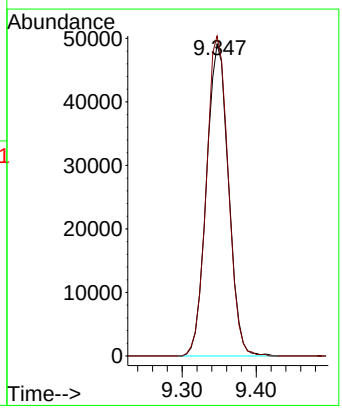


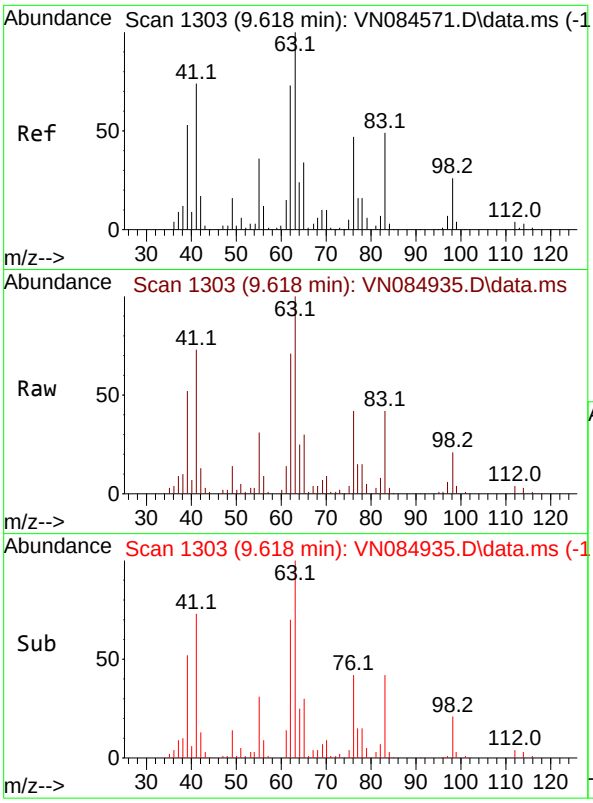


#44
Trichloroethene
Concen: 45.632 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:130 Resp: 101462

Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	203.0



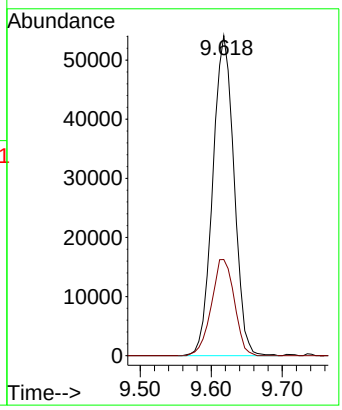


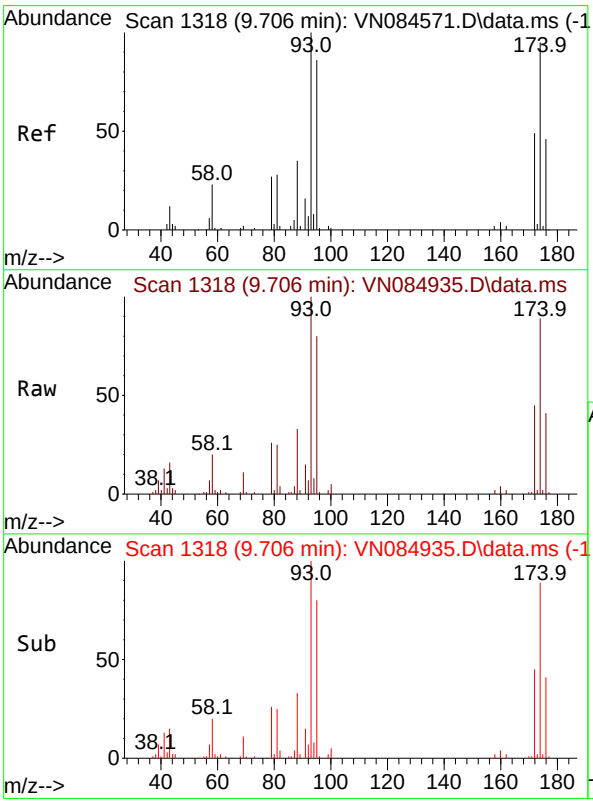
#45
1,2-Dichloropropane
Concen: 49.656 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 112302

Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.6	37.0

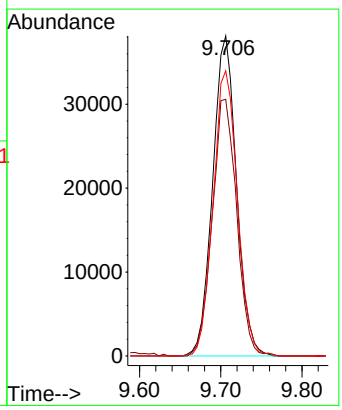


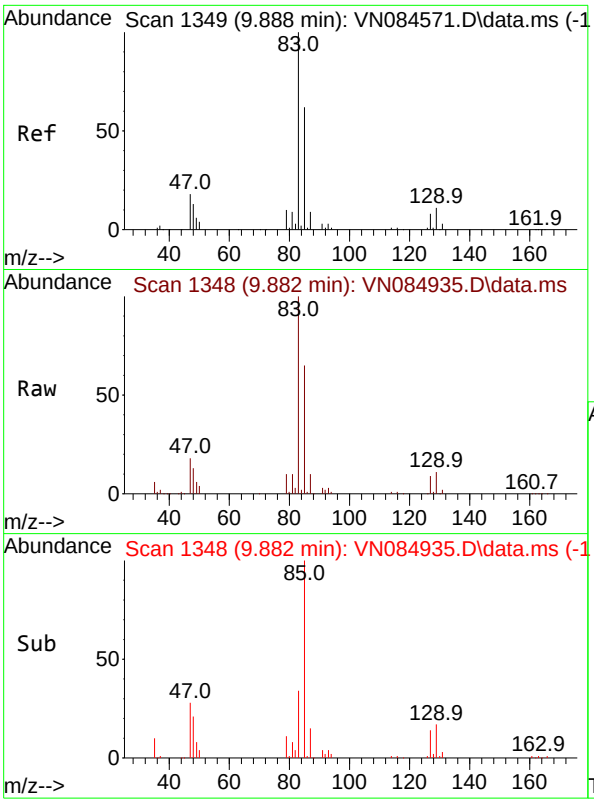


#46
Dibromomethane
Concen: 48.708 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 93 Resp: 77732

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.0	97.4
174	90.9	71.8	107.8



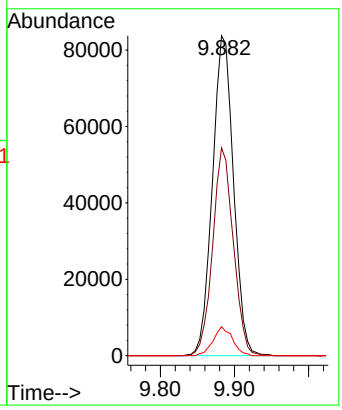


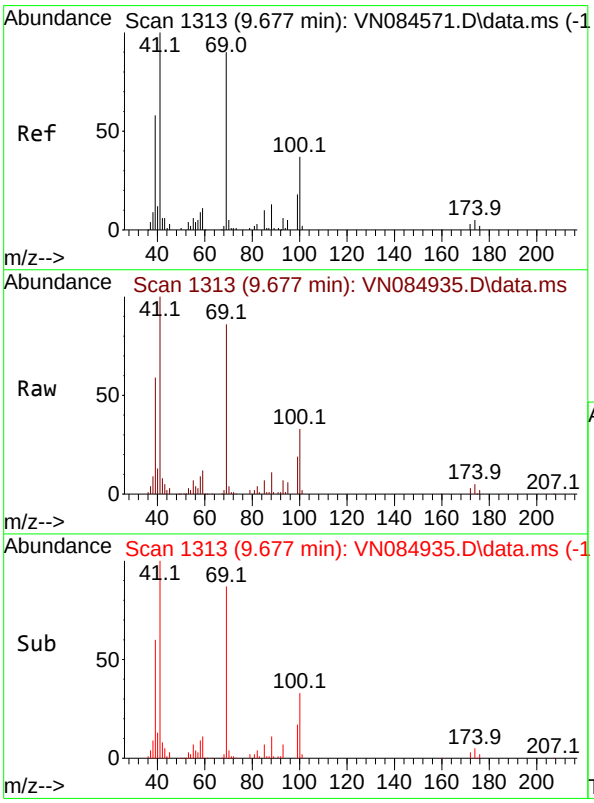
#47
Bromodichloromethane
Concen: 49.250 ug/l
RT: 9.882 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 165675

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.5	77.3
127	9.1	5.7	8.5#

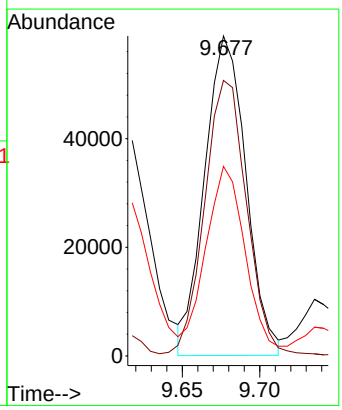


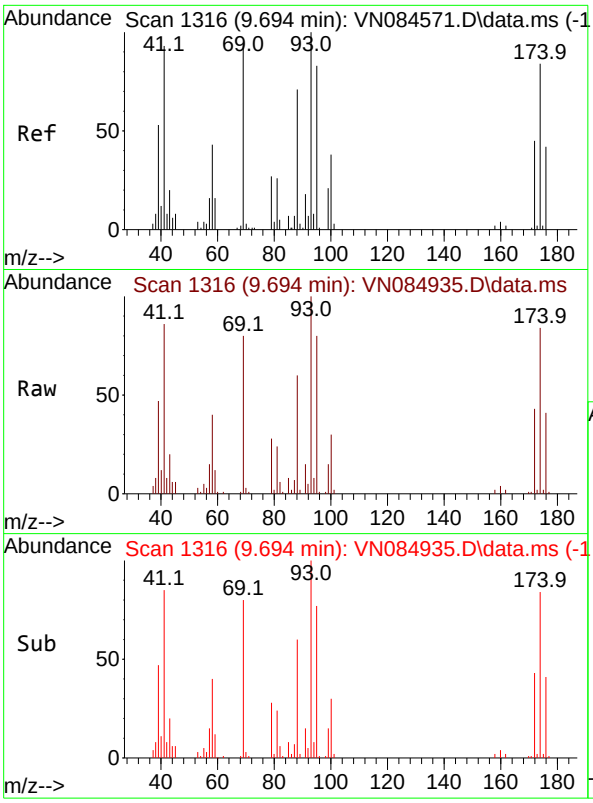


#48
Methyl methacrylate
Concen: 51.400 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 41 Resp: 108960

Ion	Ratio	Lower	Upper
41	100		
69	88.8	67.1	100.7
39	57.1	45.8	68.6



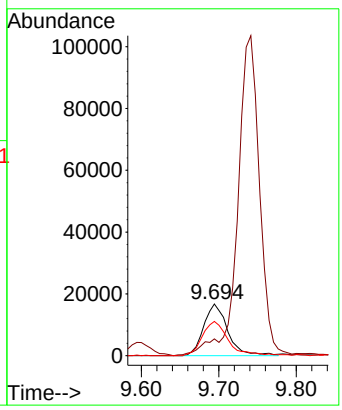


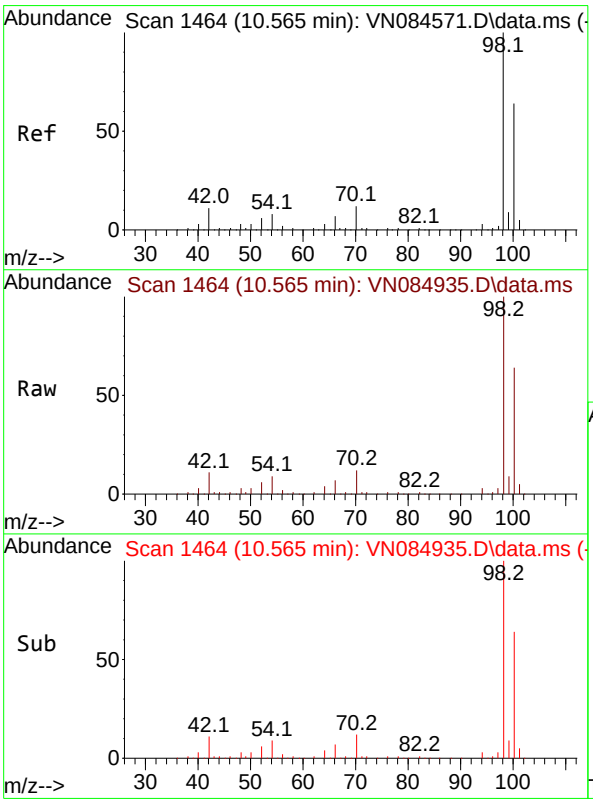
#49
1,4-Dioxane
Concen: 962.235 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 36146

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	71.9	56.4	84.6

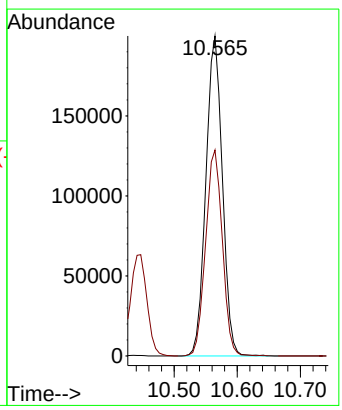


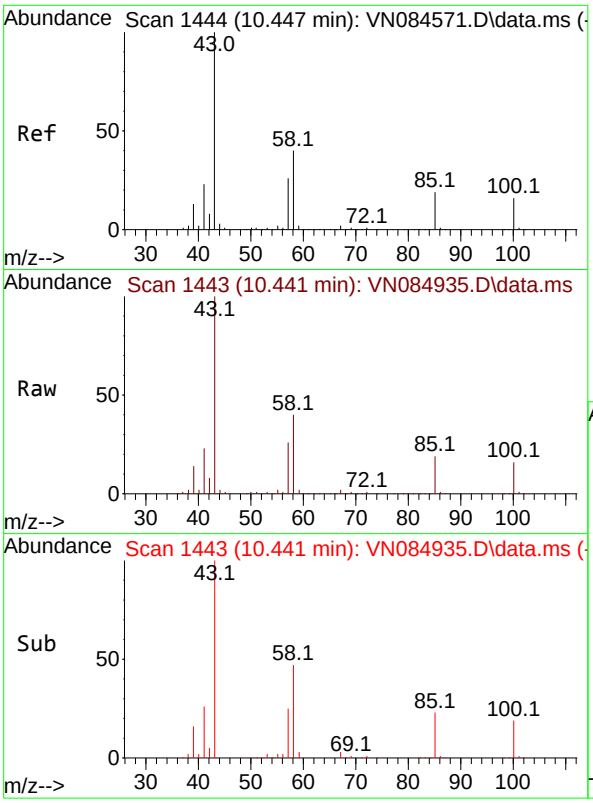


#50
Toluene-d8
Concen: 45.374 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 98 Resp: 361805

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.7	79.1



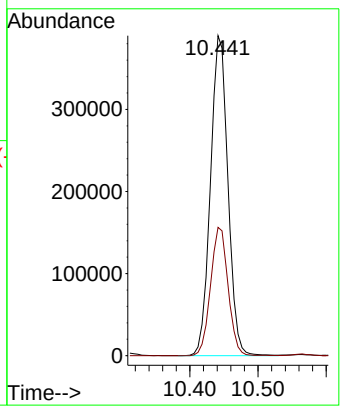


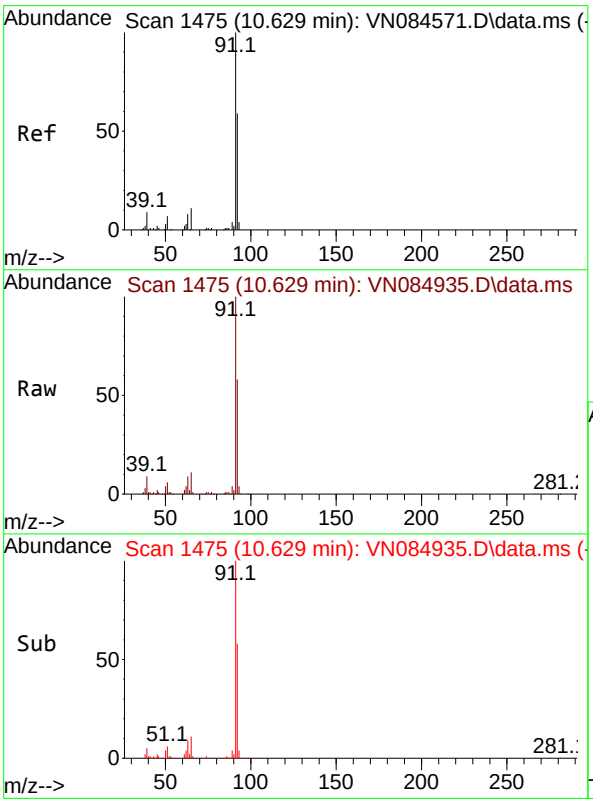
#51
4-Methyl-2-Pentanone
Concen: 267.698 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 695093

Ion	Ratio	Lower	Upper
43	100		
58	40.2	31.6	47.4

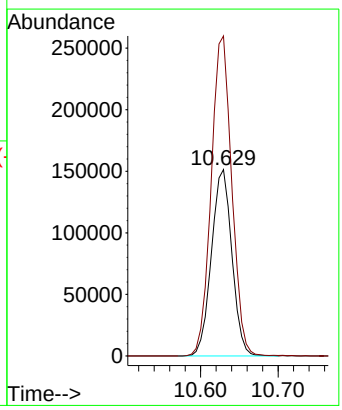


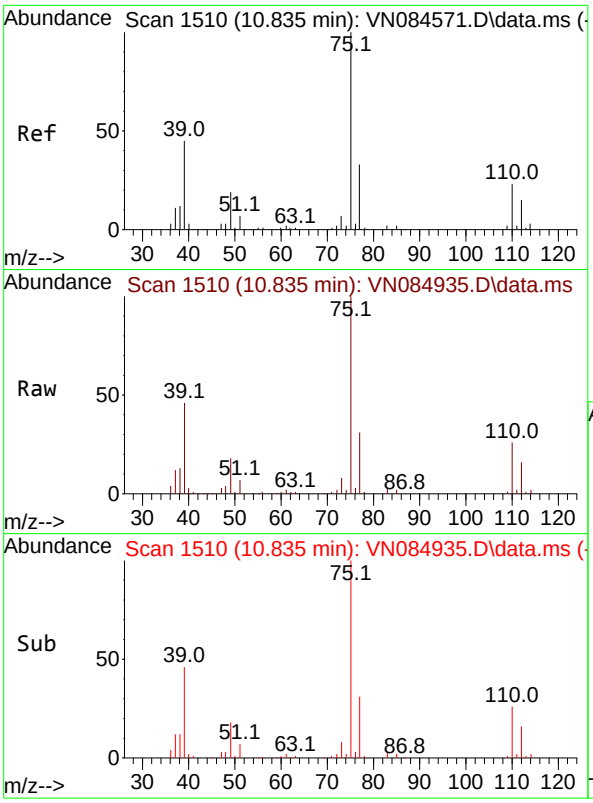


#52
Toluene
Concen: 49.188 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 92 Resp: 277347

Ion	Ratio	Lower	Upper
92	100		
91	172.7	137.3	205.9



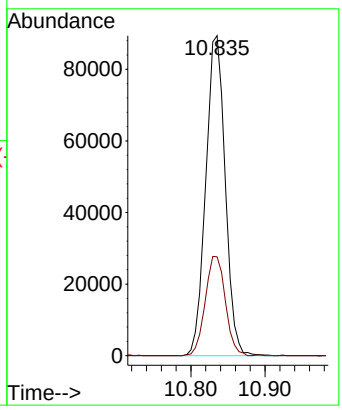


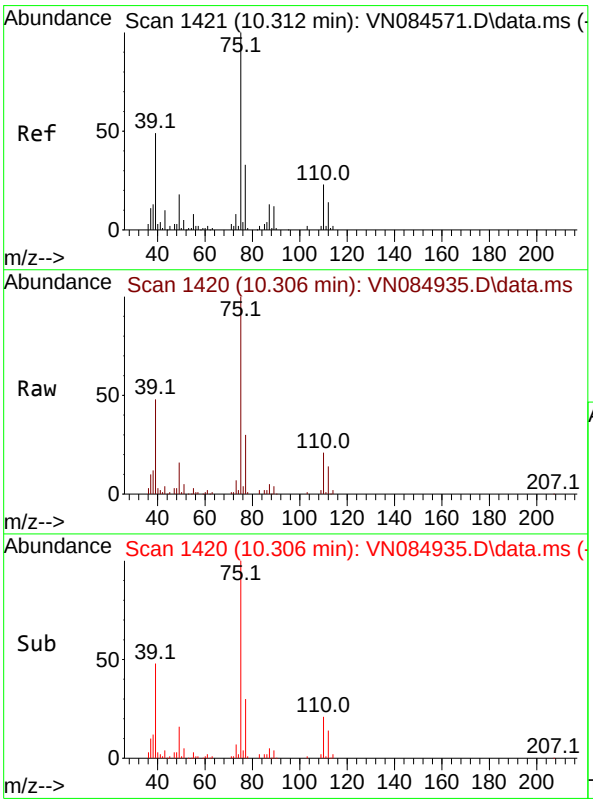
#53
t-1,3-Dichloropropene
Concen: 46.744 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 162768

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0

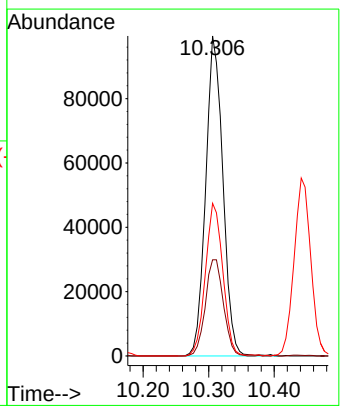


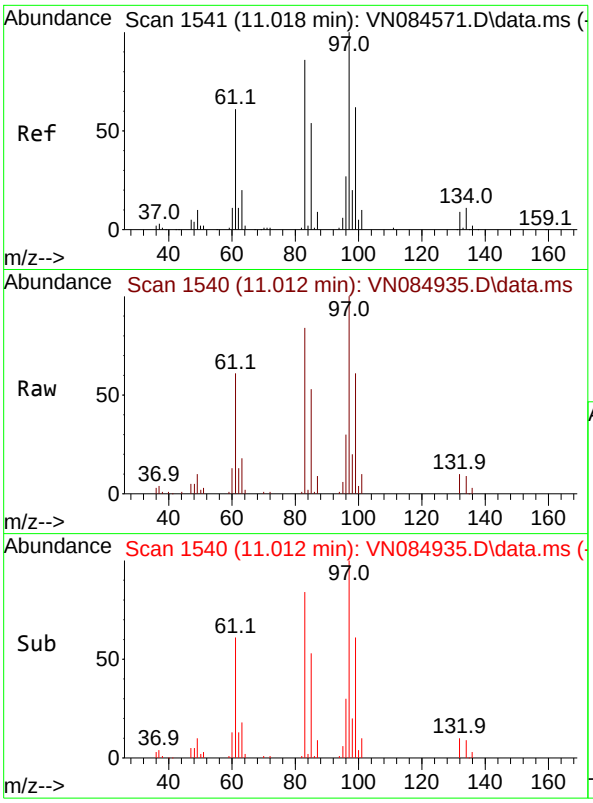


#54
cis-1,3-Dichloropropene
Concen: 49.151 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 75 Resp: 181142

Ion	Ratio	Lower	Upper
75	100		
77	30.0	24.2	36.2
39	47.7	38.7	58.1



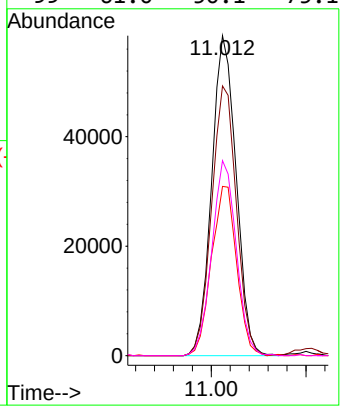


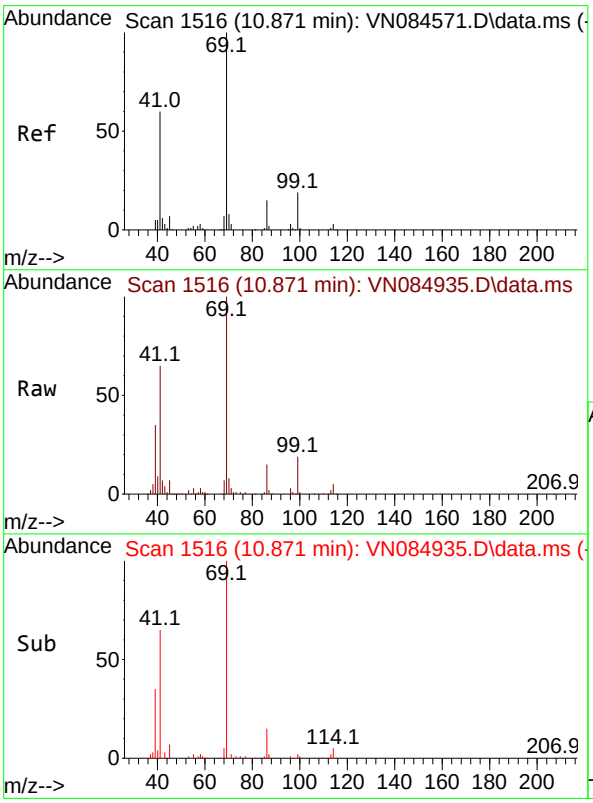
#55
1,1,2-Trichloroethane
Concen: 49.408 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 104942

Ion	Ratio	Lower	Upper
97	100		
83	84.3	71.0	106.4
85	52.9	41.7	62.5
99	61.0	50.1	75.1

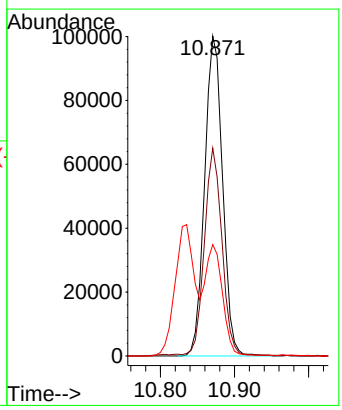


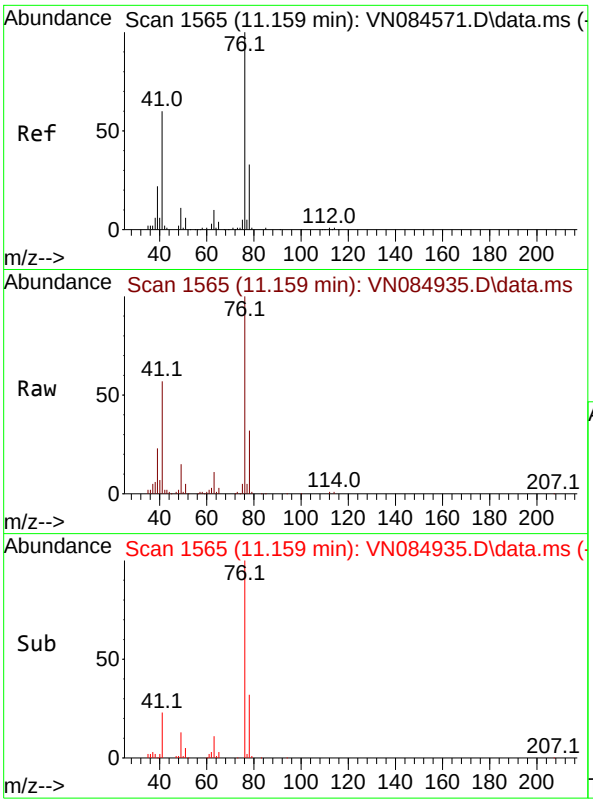


#56
Ethyl methacrylate
Concen: 54.801 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 69 Resp: 168362

Ion	Ratio	Lower	Upper
69	100		
41	64.4	53.3	79.9
39	33.9	28.8	43.2



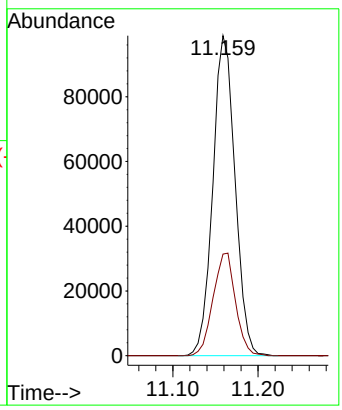


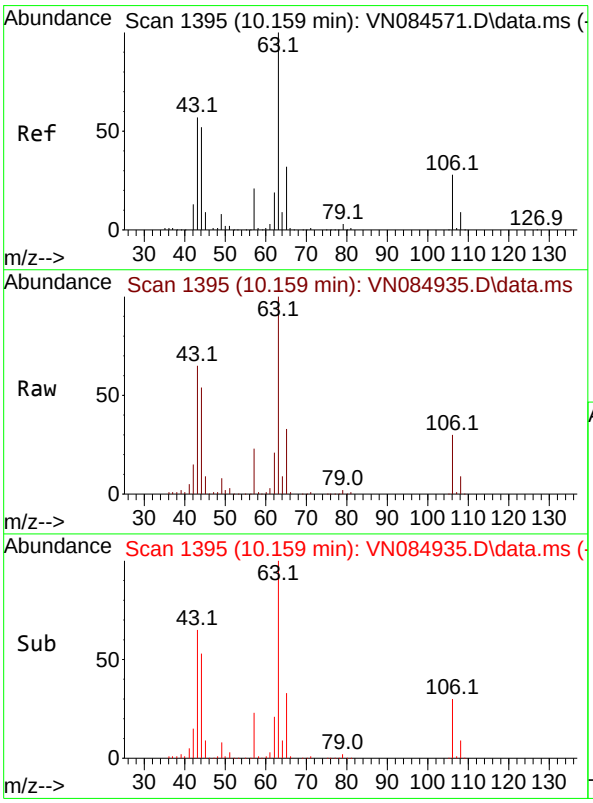
#57
1,3-Dichloropropane
Concen: 49.230 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 179454

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.6

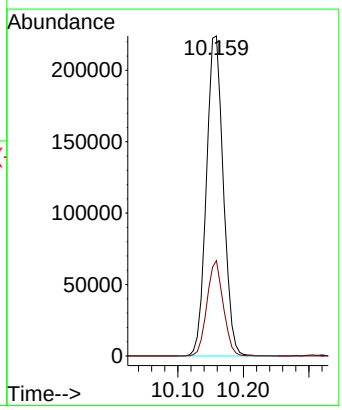


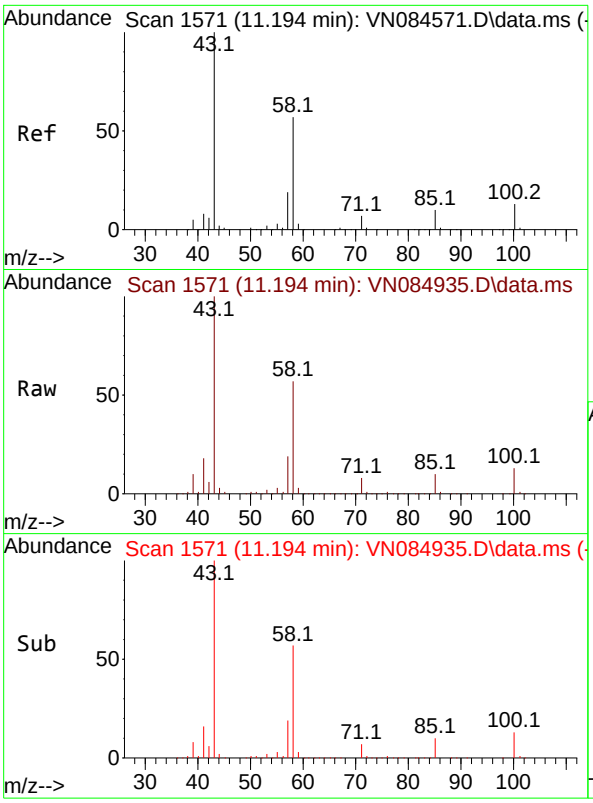


#58
2-Chloroethyl Vinyl ether
Concen: 279.659 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 63 Resp: 402039

Ion	Ratio	Lower	Upper
63	100		
106	28.6	21.8	32.6



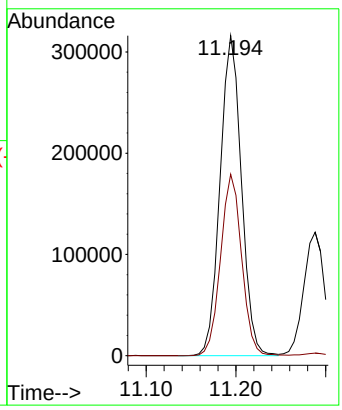


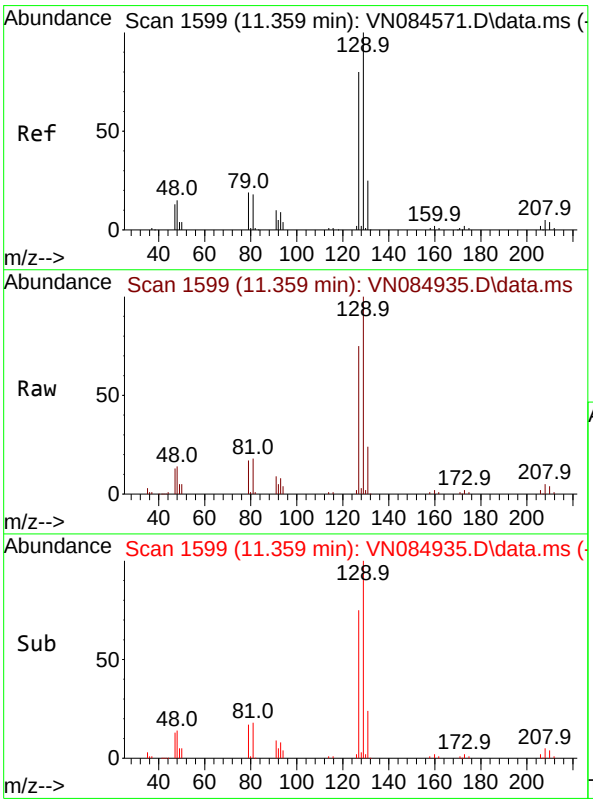
#59
2-Hexanone
Concen: 275.870 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 521393

Ion	Ratio	Lower	Upper
43	100		
58	56.0	27.3	81.8

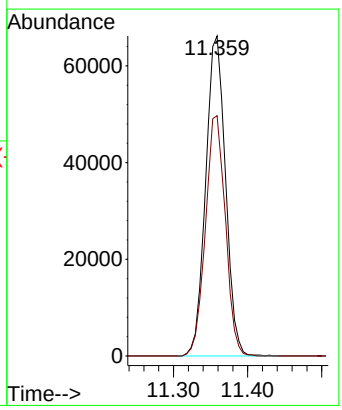


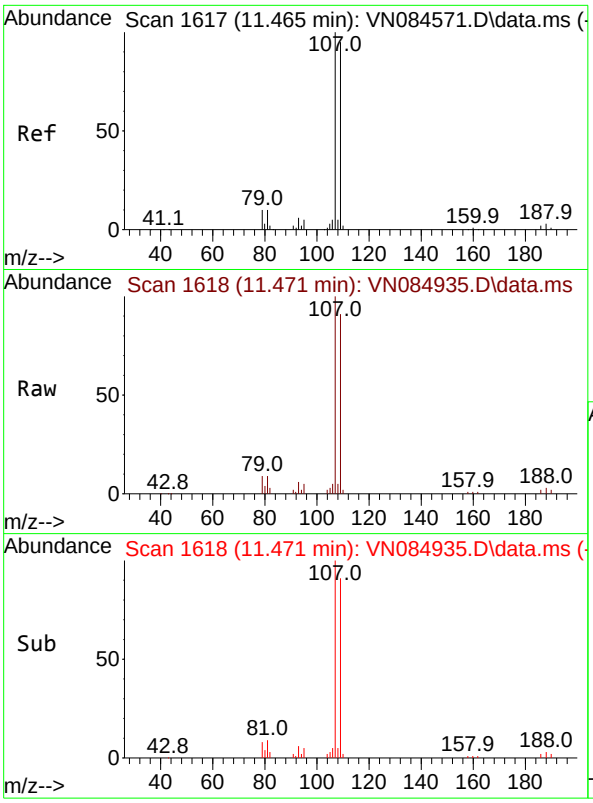


#60
Dibromochloromethane
Concen: 50.776 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:129 Resp: 122913

Ion	Ratio	Lower	Upper
129	100		
127	75.5	38.3	114.9



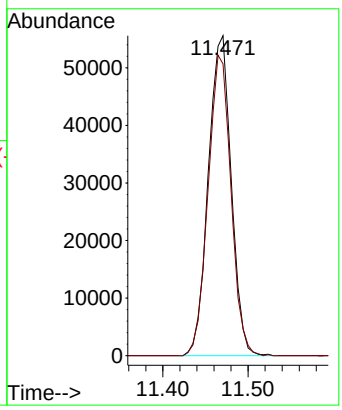


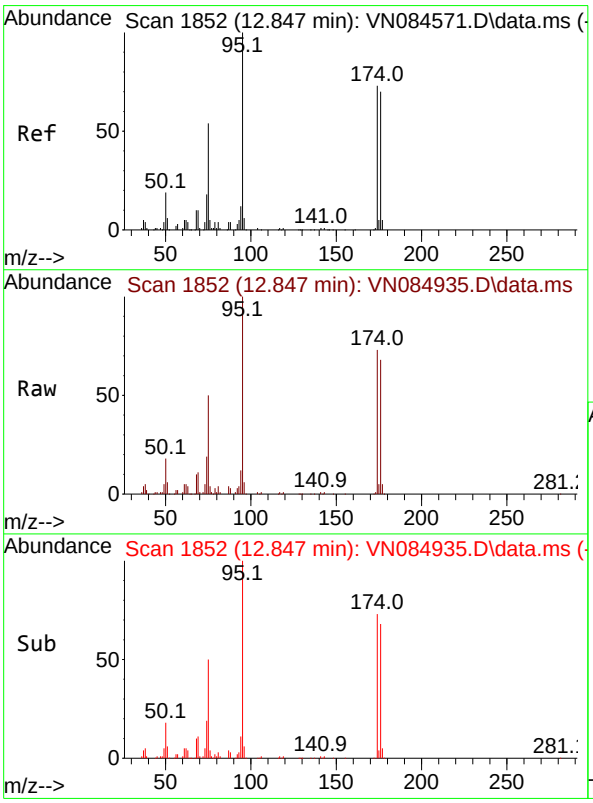
#61
1,2-Dibromoethane
Concen: 47.679 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 103704

Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.4	113.0

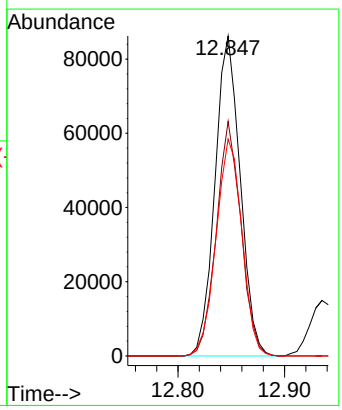


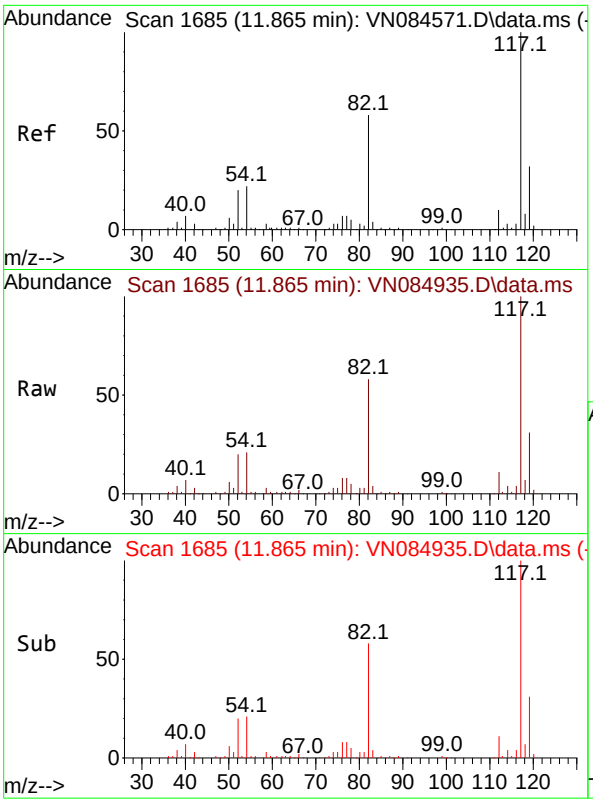


#62
4-Bromofluorobenzene
Concen: 47.609 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 95 Resp: 141878

Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	145.2
176	69.6	0.0	140.0



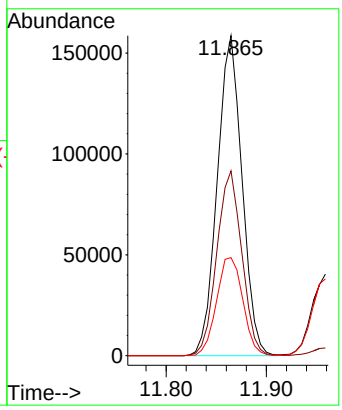


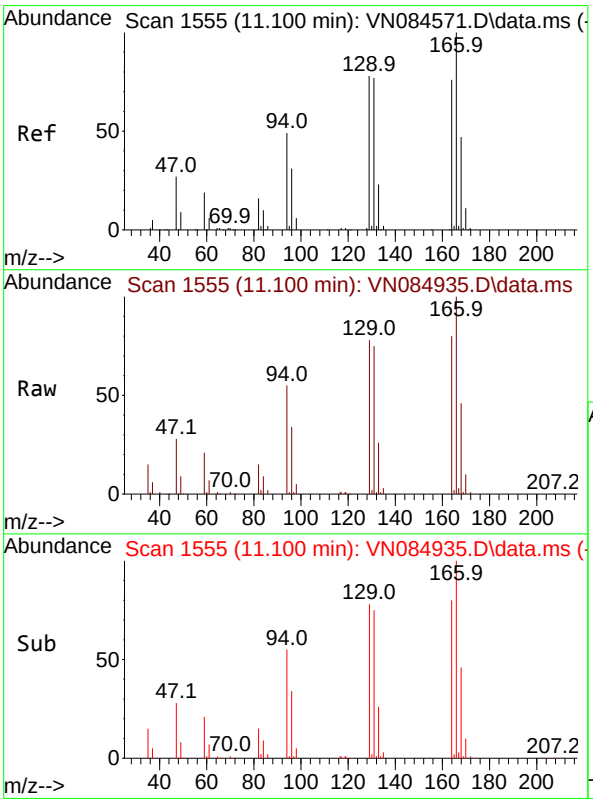
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 272380

Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.2	70.8
119	30.6	25.4	38.0

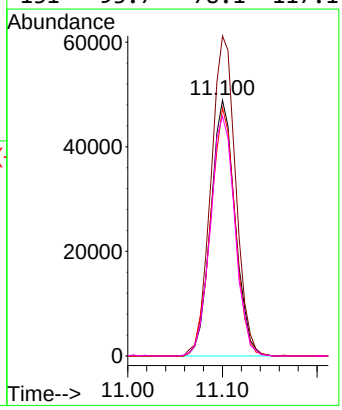


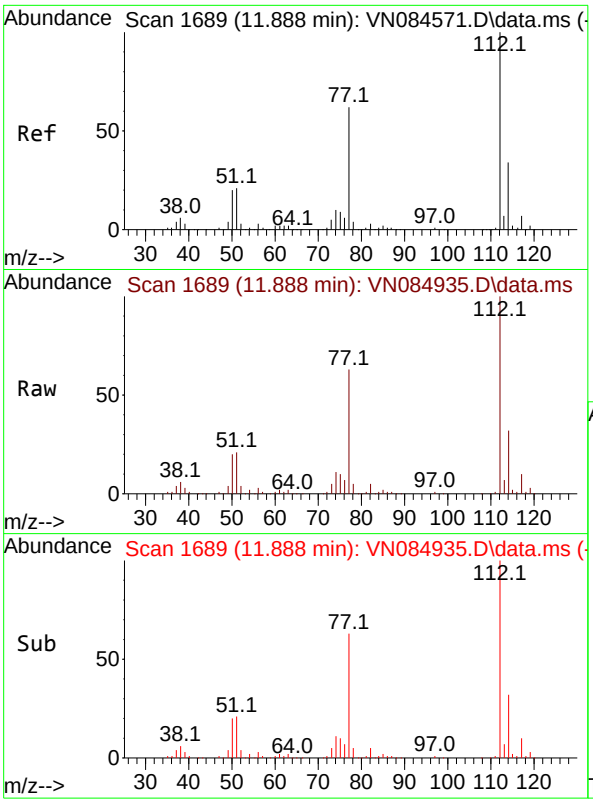


#64
Tetrachloroethene
Concen: 48.094 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:164 Resp: 87135

Ion	Ratio	Lower	Upper
164	100		
166	125.1	101.0	151.4
129	97.0	80.8	121.2
131	93.7	78.1	117.1



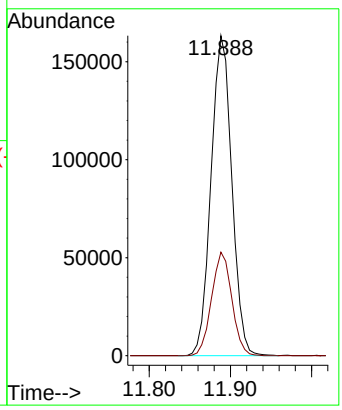


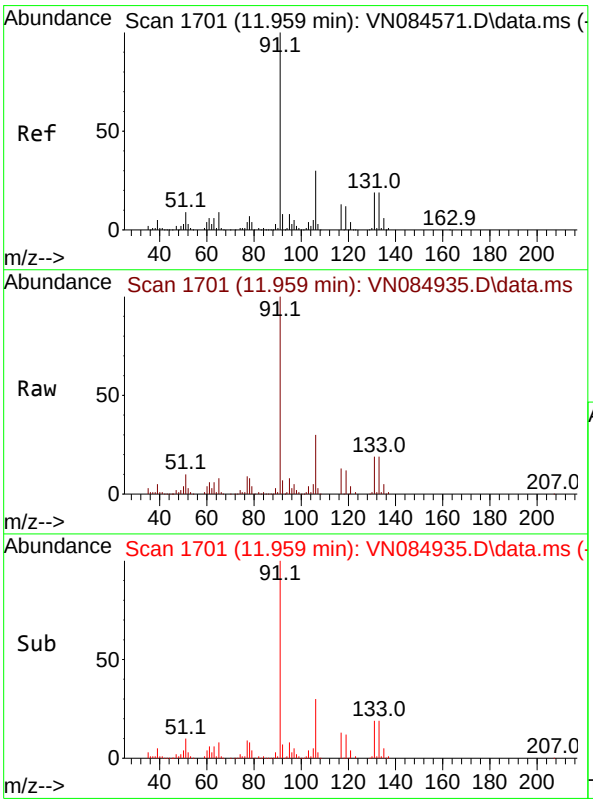
#65
Chlorobenzene
Concen: 47.651 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 290368

Ion	Ratio	Lower	Upper
112	100		
114	32.4	27.0	40.6

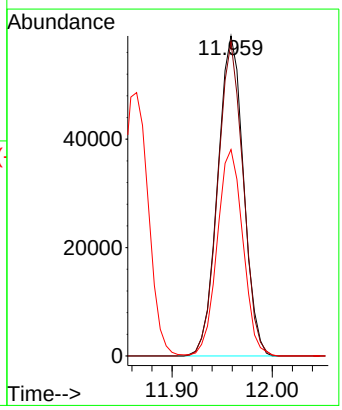


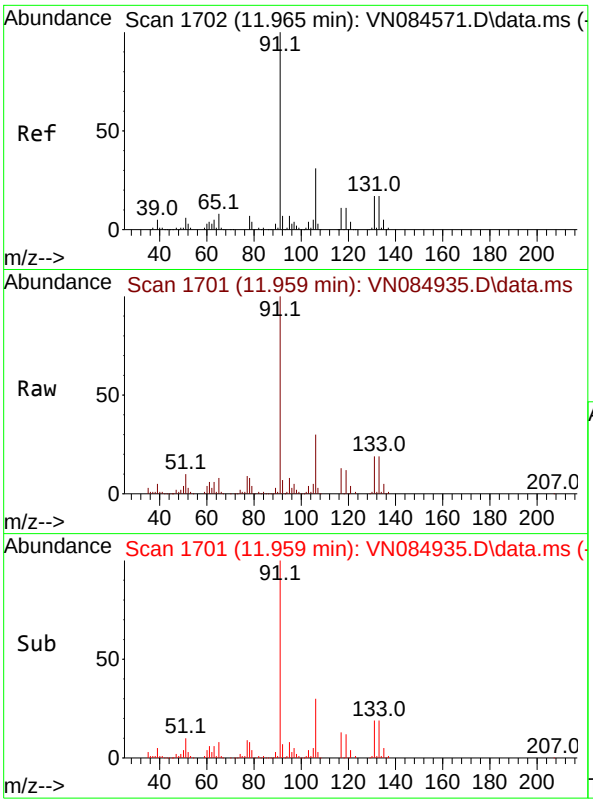


#66
1,1,1,2-Tetrachloroethane
Concen: 49.834 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:131 Resp: 105627

Ion	Ratio	Lower	Upper
131	100		
133	96.5	47.9	143.7
119	64.4	32.8	98.3



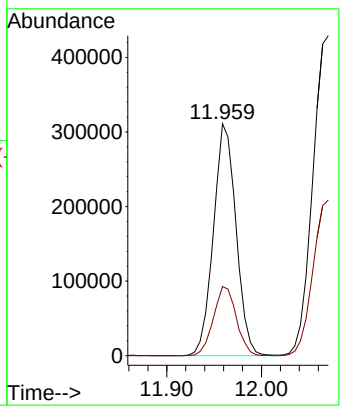


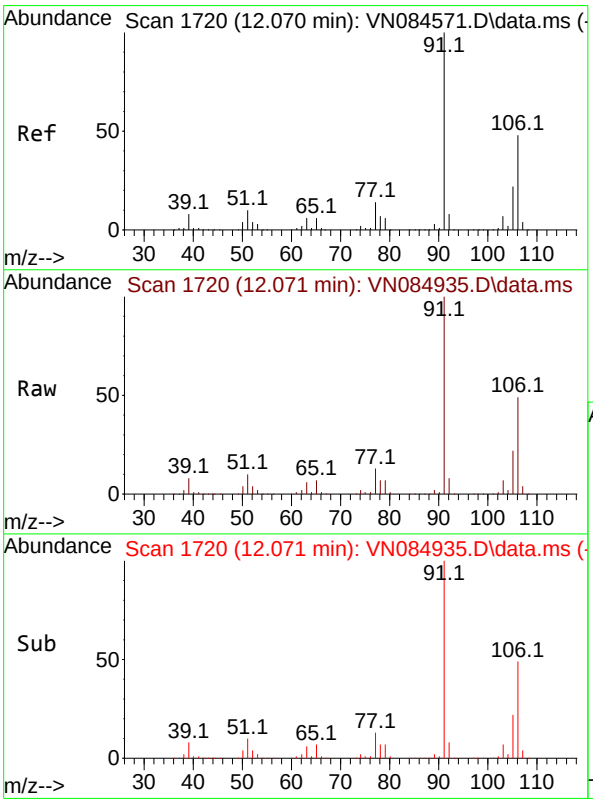
#67
Ethyl Benzene
Concen: 50.793 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 516649

Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.5	36.7

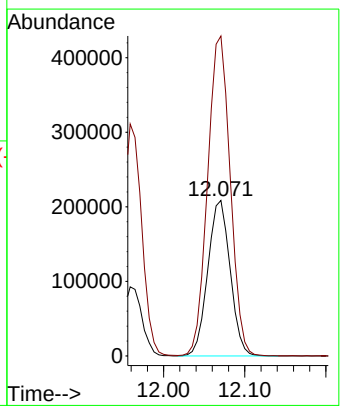


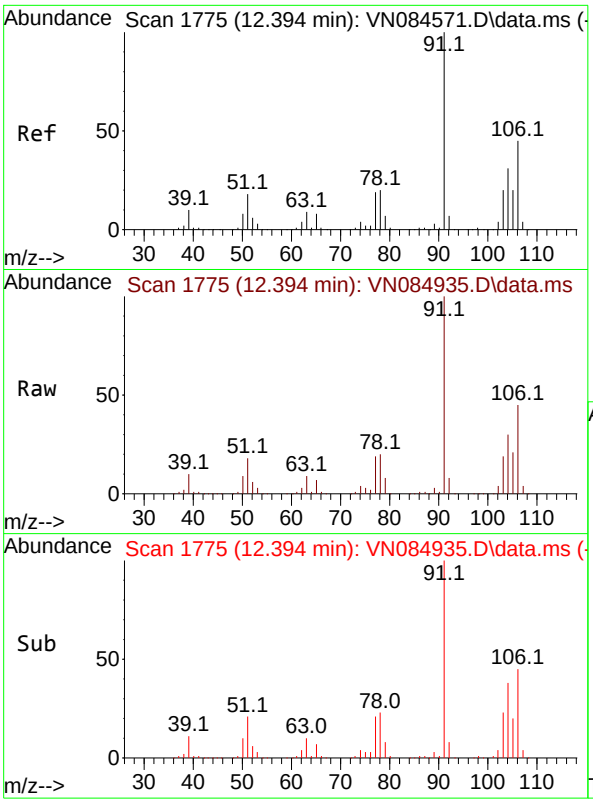


#68
m/p-Xylenes
Concen: 103.542 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:106 Resp: 398723

Ion	Ratio	Lower	Upper
106	100		
91	208.3	167.1	250.7



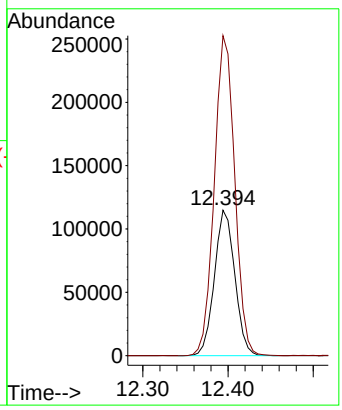


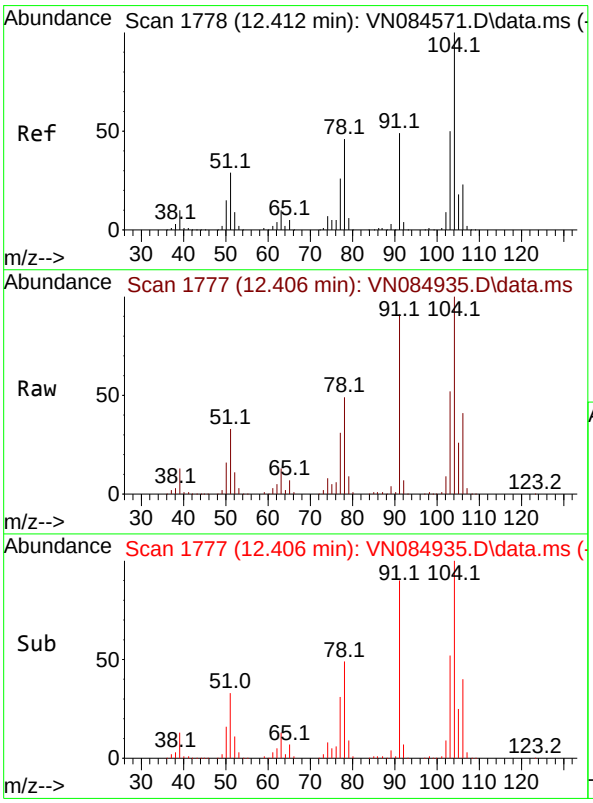
#69
o-Xylene
Concen: 53.139 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 191427

Ion	Ratio	Lower	Upper
106	100		
91	220.4	110.2	330.6

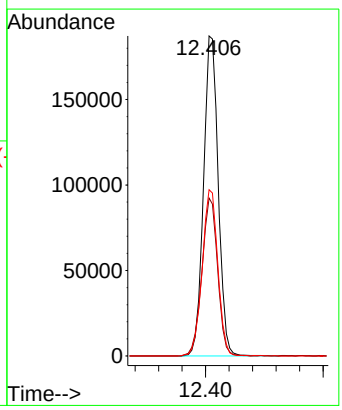


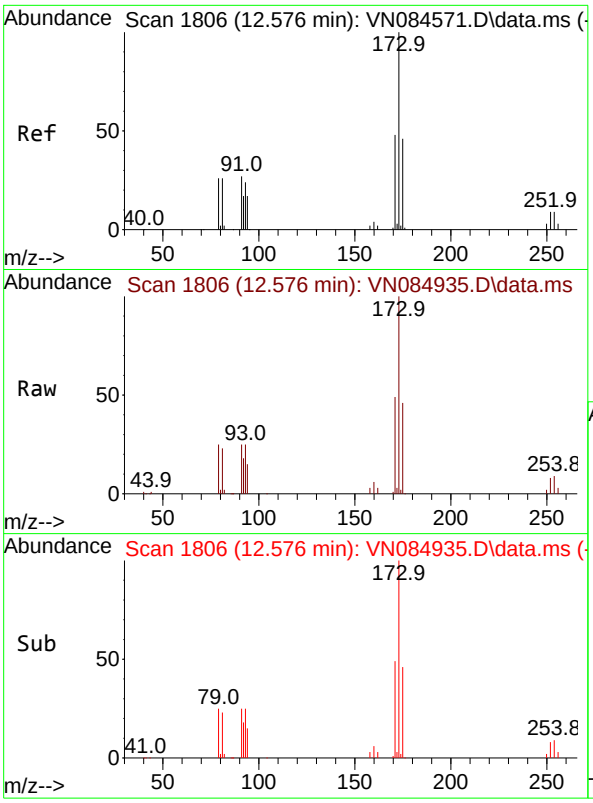


#70
Styrene
Concen: 51.684 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:104 Resp: 324789

Ion	Ratio	Lower	Upper
104	100		
78	52.6	42.7	64.1
103	55.0	43.6	65.4



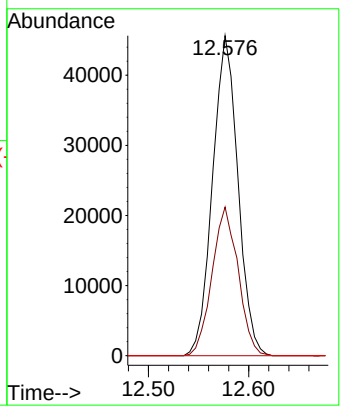


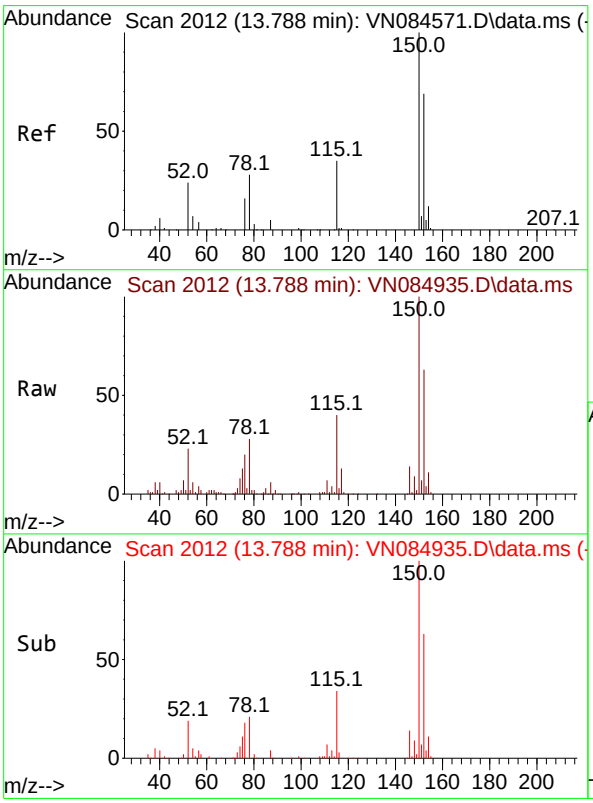
#71
Bromoform
Concen: 50.147 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 79980

Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.5	70.6
254	0.0	0.0	0.0

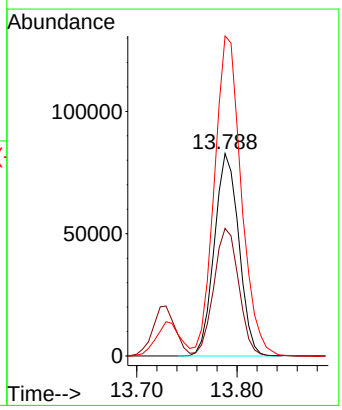


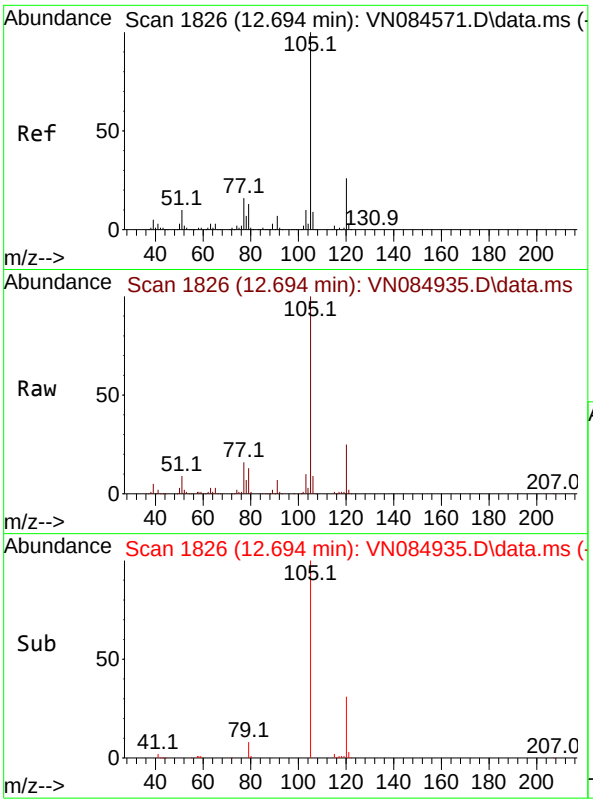


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:152 Resp: 140060

Ion	Ratio	Lower	Upper
152	100		
115	64.4	31.3	93.9
150	173.8	0.0	349.8



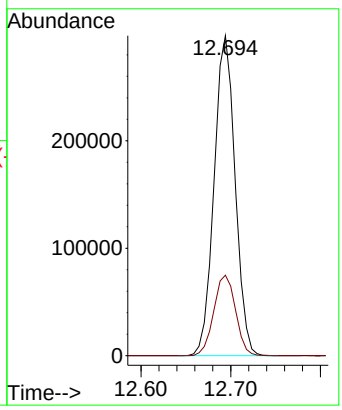


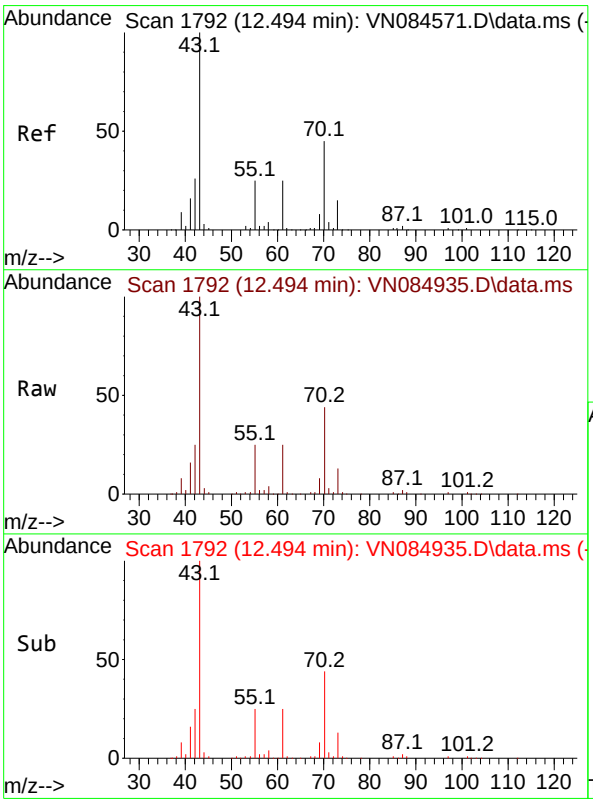
#73
Isopropylbenzene
Concen: 49.323 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 484105

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.9	38.7

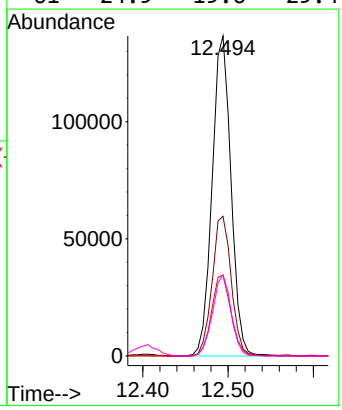


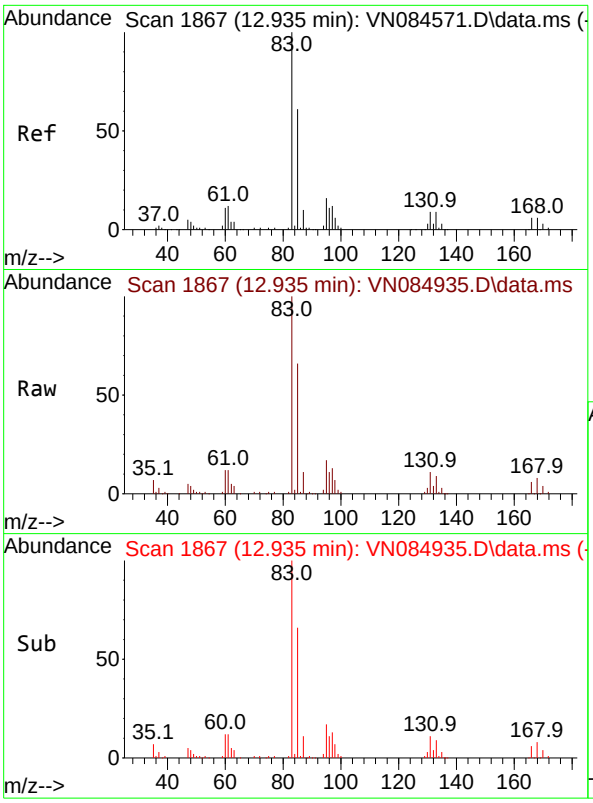


#74
N-amyl acetate
Concen: 50.280 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 43 Resp: 210044

Ion	Ratio	Lower	Upper
43	100		
70	44.2	34.4	51.6
55	26.1	19.6	29.4
61	24.9	19.6	29.4



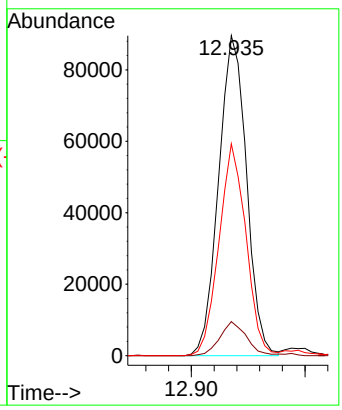


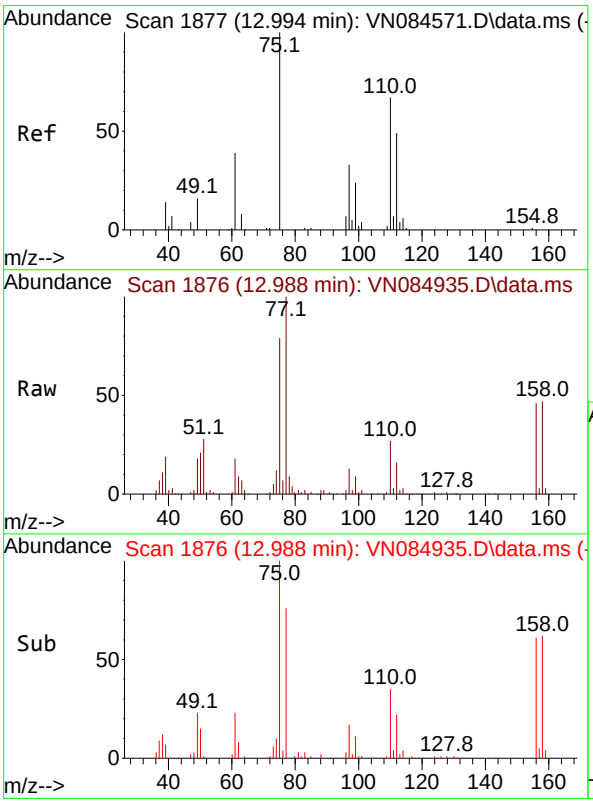
#75
1,1,2,2-Tetrachloroethane
Concen: 46.671 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 152902

Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.9	14.7
85	64.0	31.9	95.7

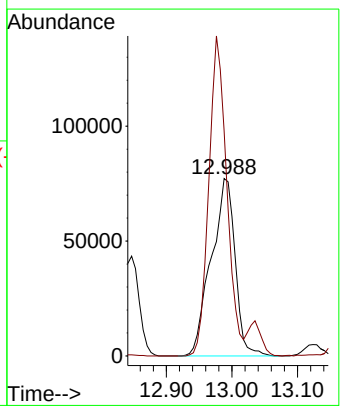


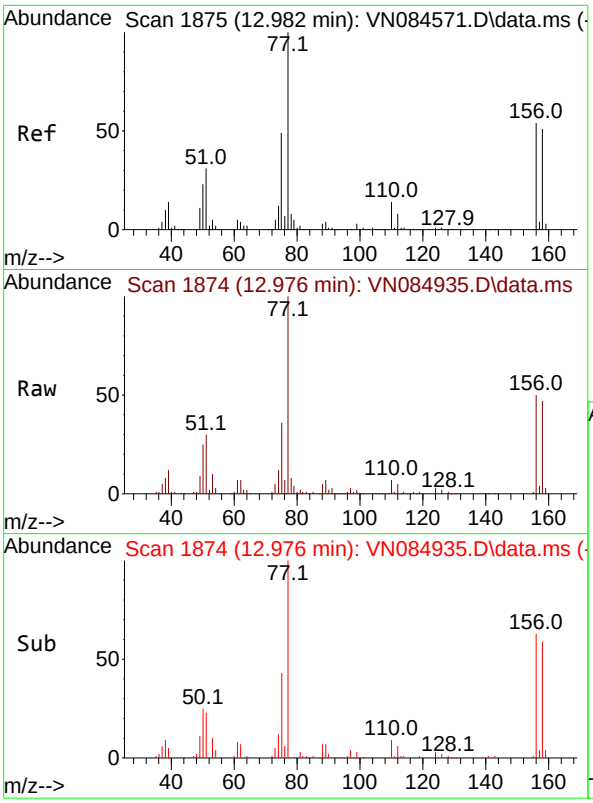


#76
1,2,3-Trichloropropane
Concen: 69.839 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 75 Resp: 195531

Ion	Ratio	Lower	Upper
75	100		
77	135.6	96.9	290.7



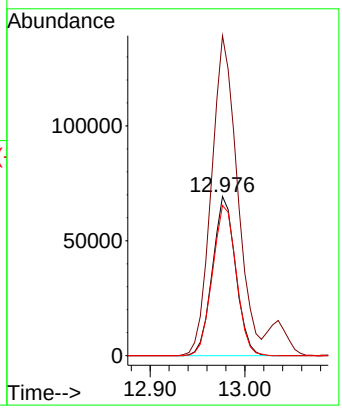


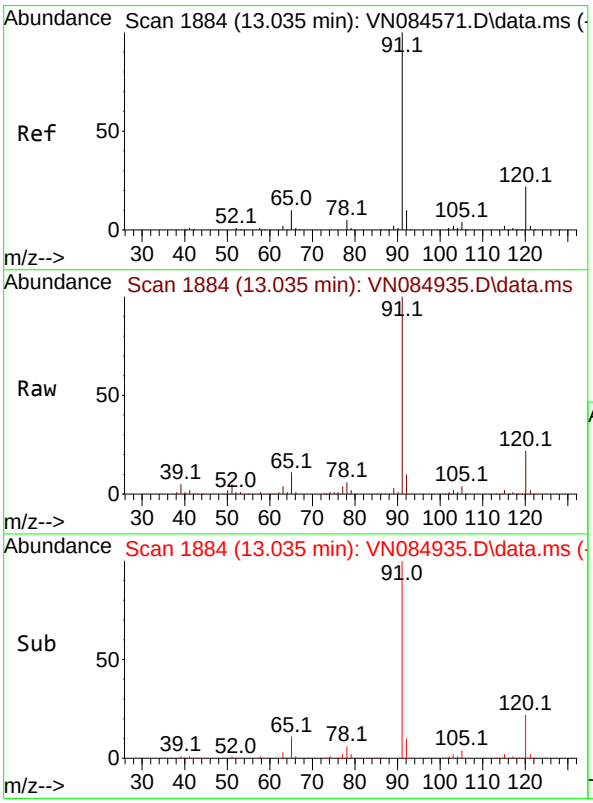
#77
Bromobenzene
Concen: 44.566 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 117590

Ion	Ratio	Lower	Upper
156	100		
77	225.5	115.1	345.3
158	96.8	48.9	146.8

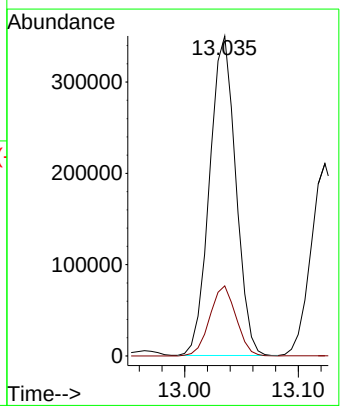


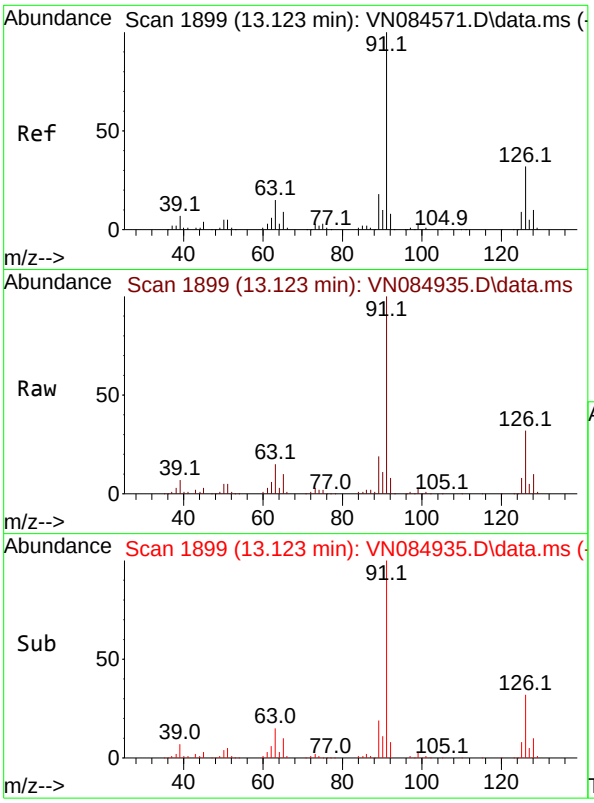


#78
n-propylbenzene
Concen: 48.736 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 91 Resp: 560537

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4



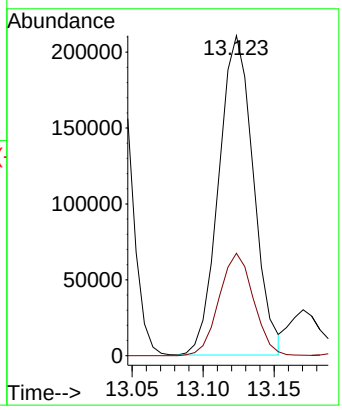


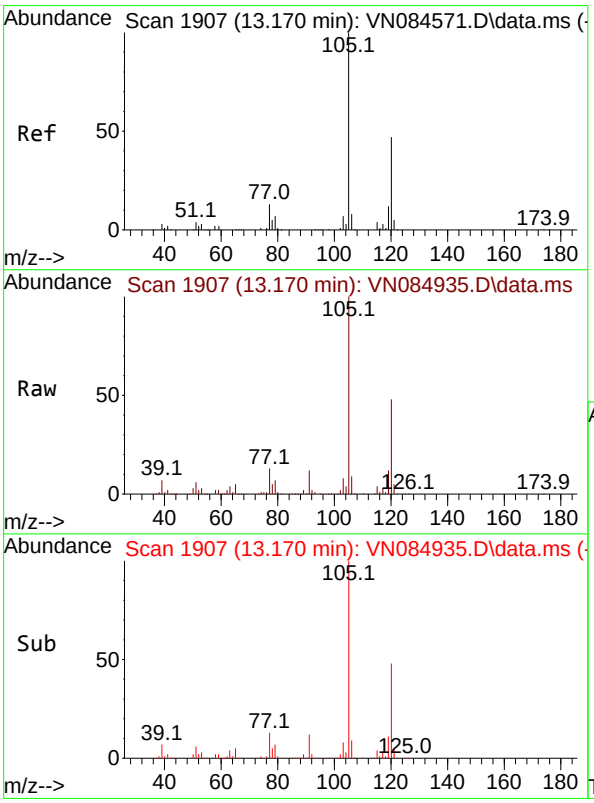
#79
2-Chlorotoluene
Concen: 47.616 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 357849

Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.7	47.1

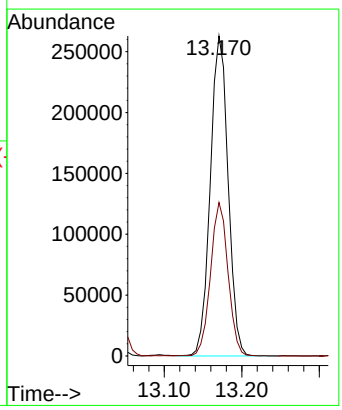


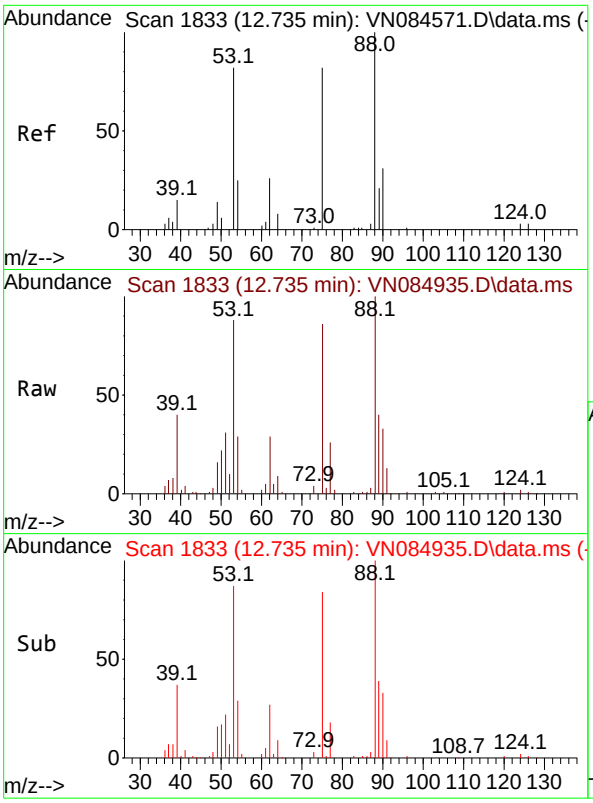


#80
1,3,5-Trimethylbenzene
Concen: 51.812 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:105 Resp: 421482

Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.7	71.1



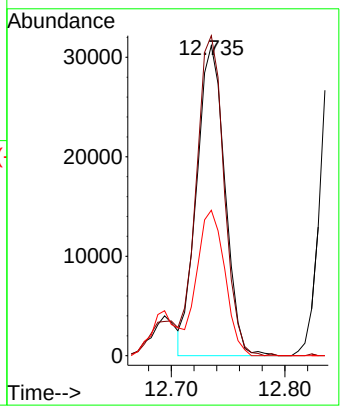


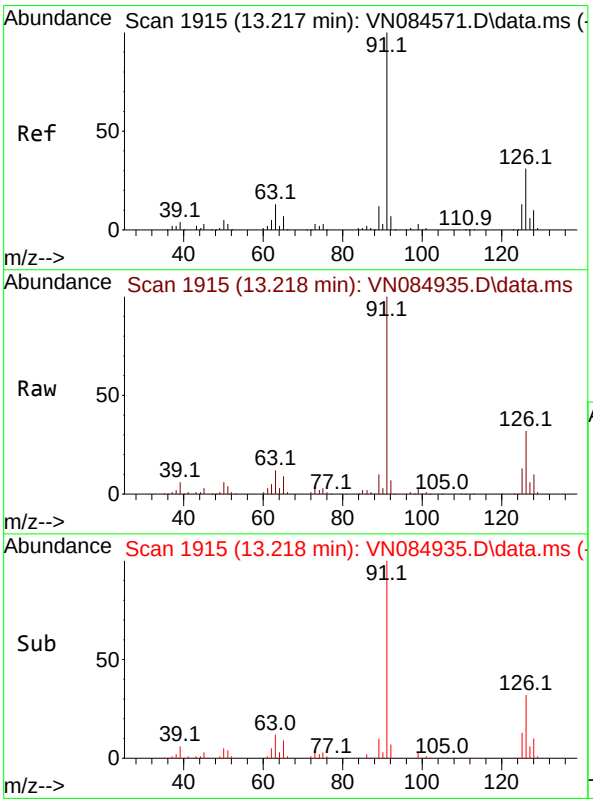
#81
trans-1,4-Dichloro-2-butene
Concen: 45.503 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 53699

Ion	Ratio	Lower	Upper
75	100		
53	112.7	78.0	117.0
89	45.9	35.5	53.3

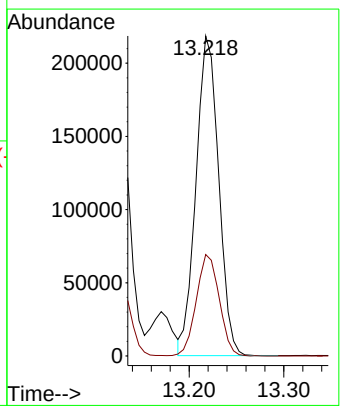


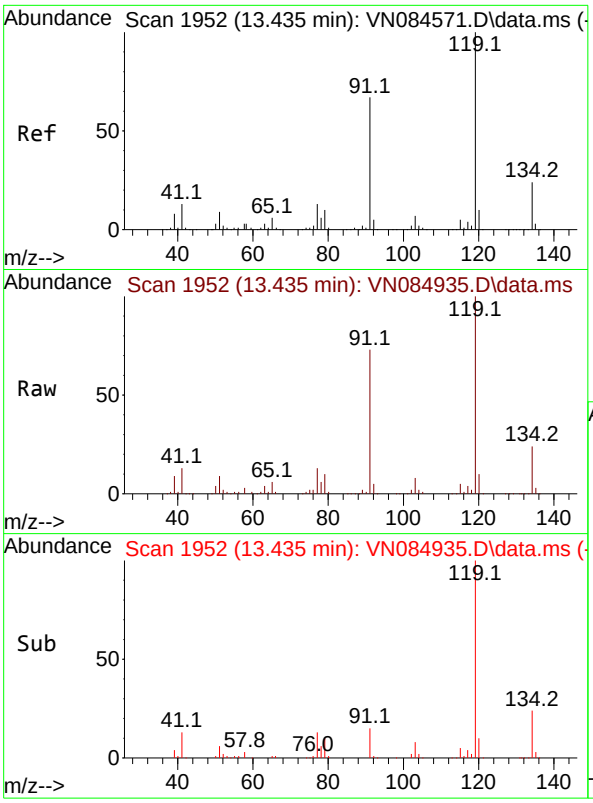


#82
4-Chlorotoluene
Concen: 45.763 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 91 Resp: 361943

Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.7	47.1



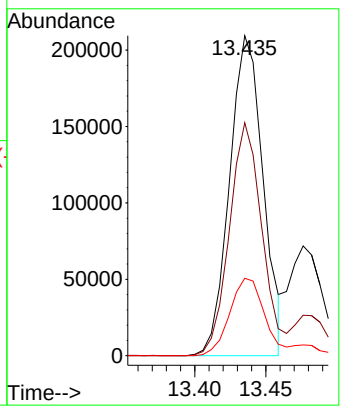


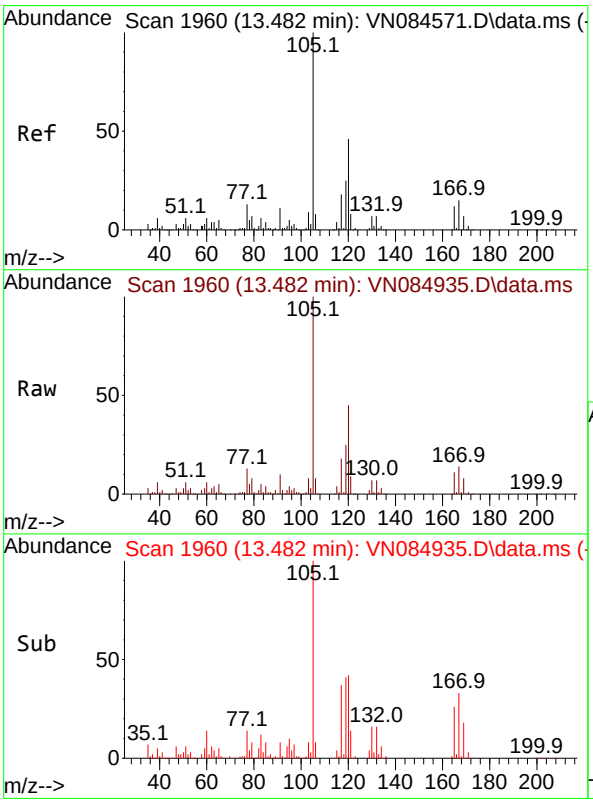
#83
tert-Butylbenzene
Concen: 51.061 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 343776

Ion	Ratio	Lower	Upper
119	100		
91	71.1	34.1	102.3
134	25.0	12.8	38.4

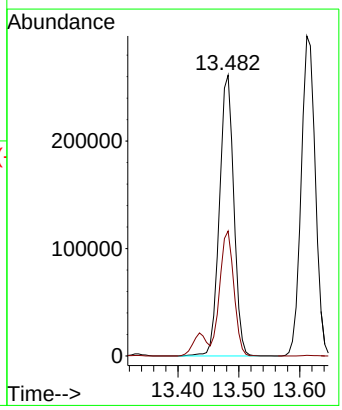


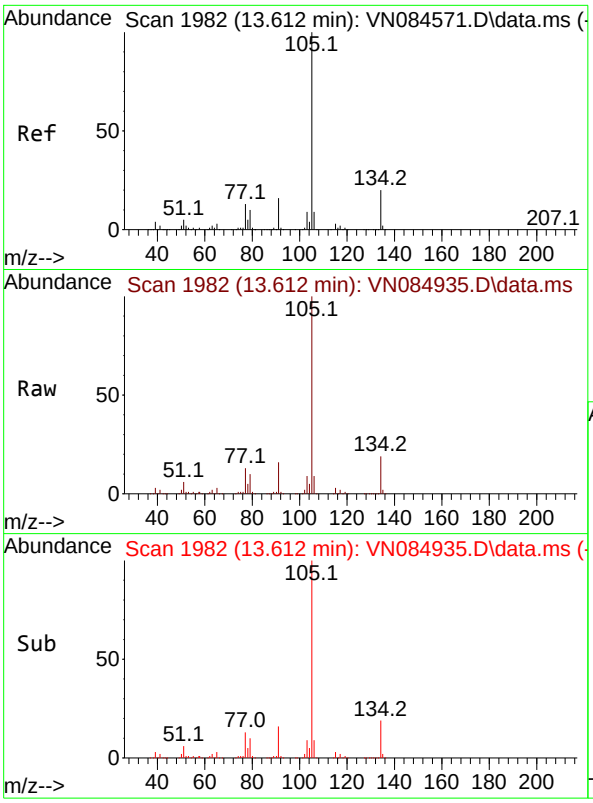


#84
1,2,4-Trimethylbenzene
Concen: 51.069 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:105 Resp: 428779

Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.3	66.8



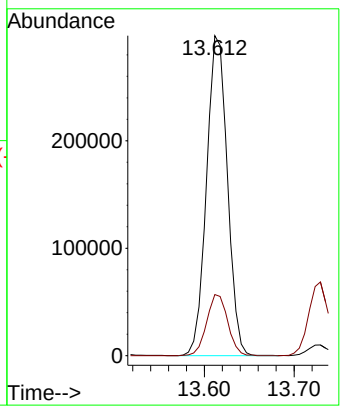


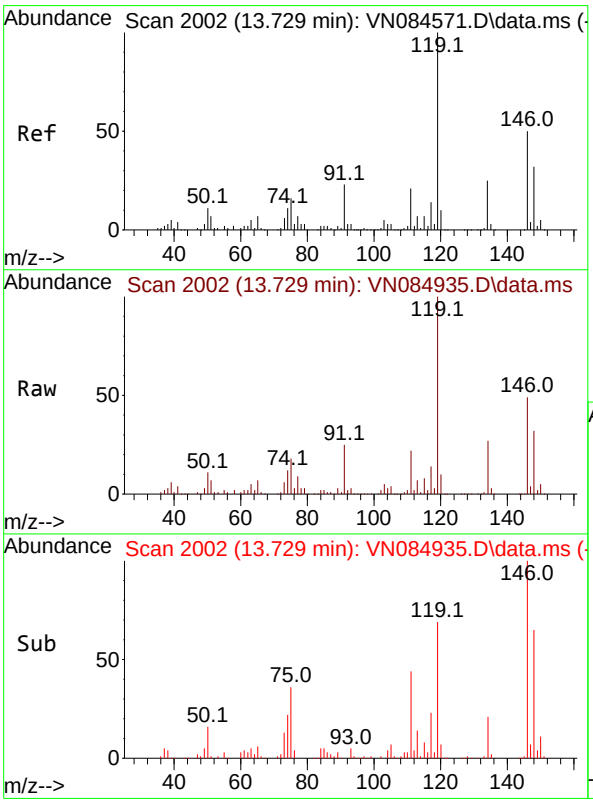
#85
sec-Butylbenzene
Concen: 50.542 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 480667

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4

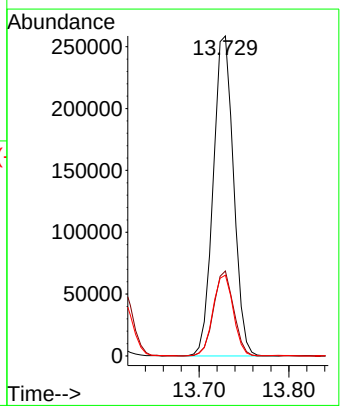


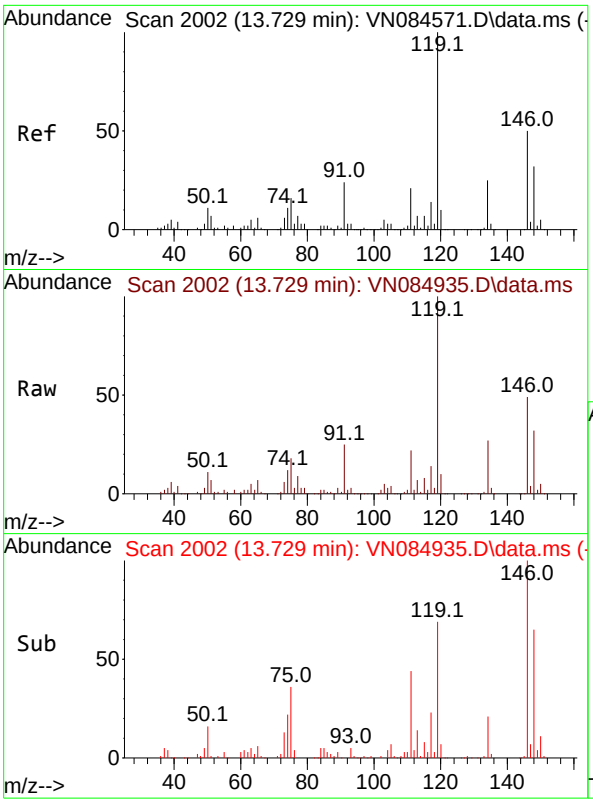


#86
p-Isopropyltoluene
Concen: 52.315 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:119 Resp: 408036

Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.6	37.8
91	25.3	12.4	37.2



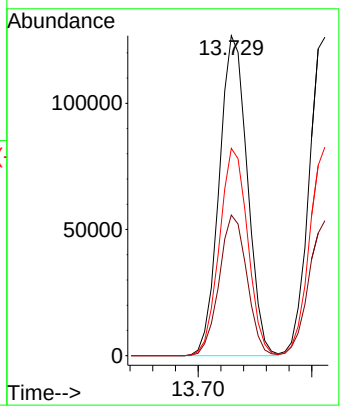


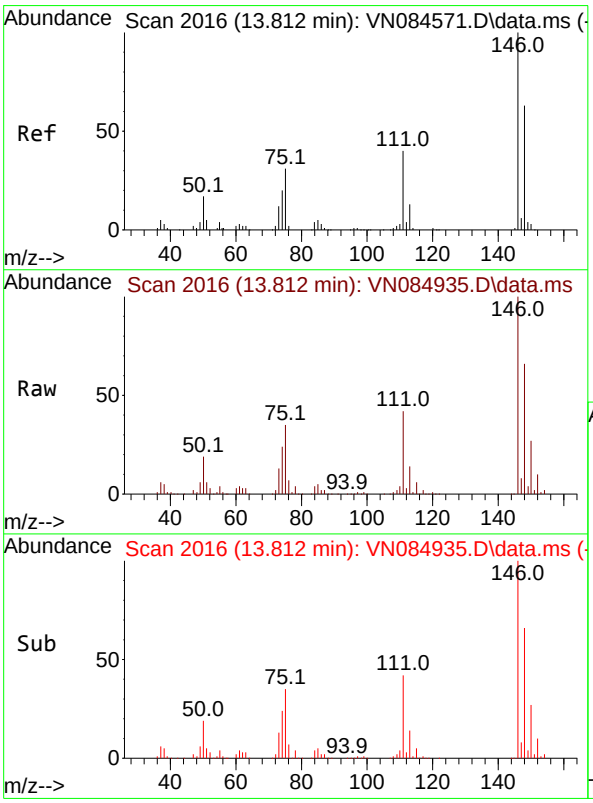
#87
1,3-Dichlorobenzene
Concen: 42.268 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 217656

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.8	65.3
148	65.2	31.9	95.7

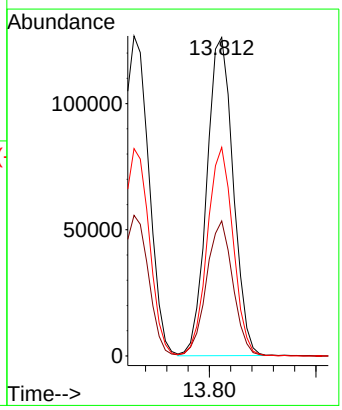


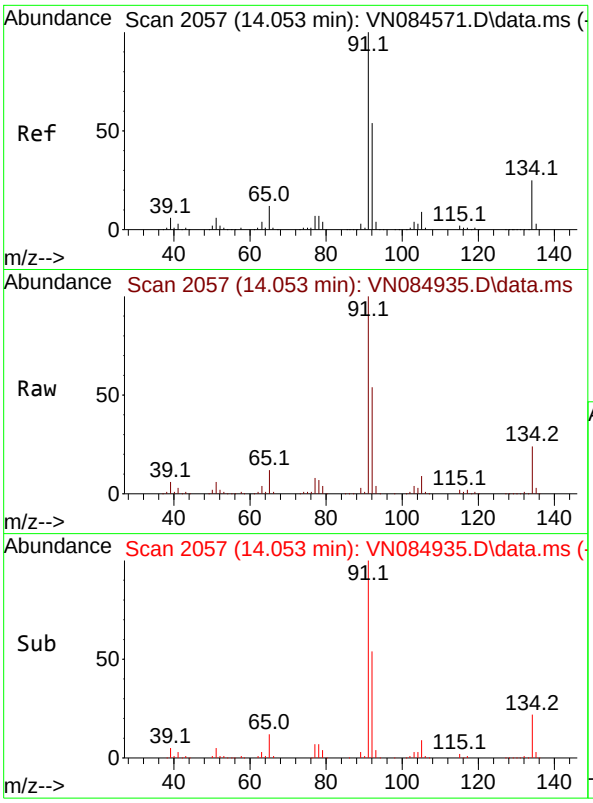


#88
1,4-Dichlorobenzene
Concen: 45.744 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:146 Resp: 216598

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.2	63.6
148	64.3	31.9	95.9



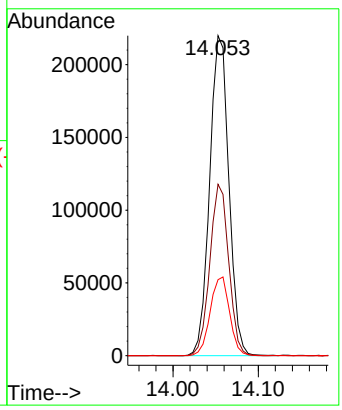


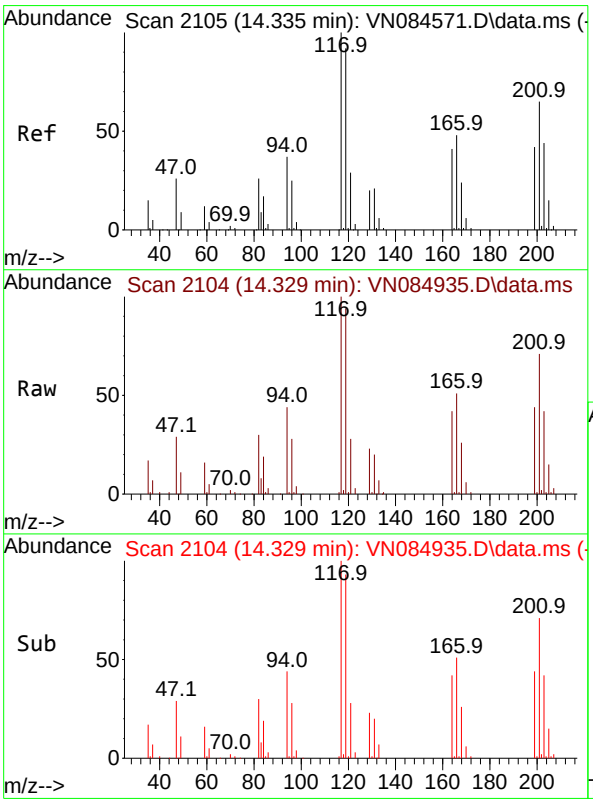
#89
n-Butylbenzene
Concen: 47.108 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 343697

Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.6	79.7
134	24.8	12.3	36.9

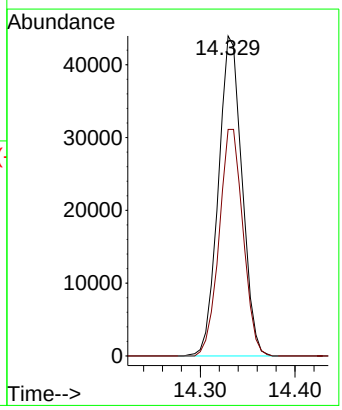


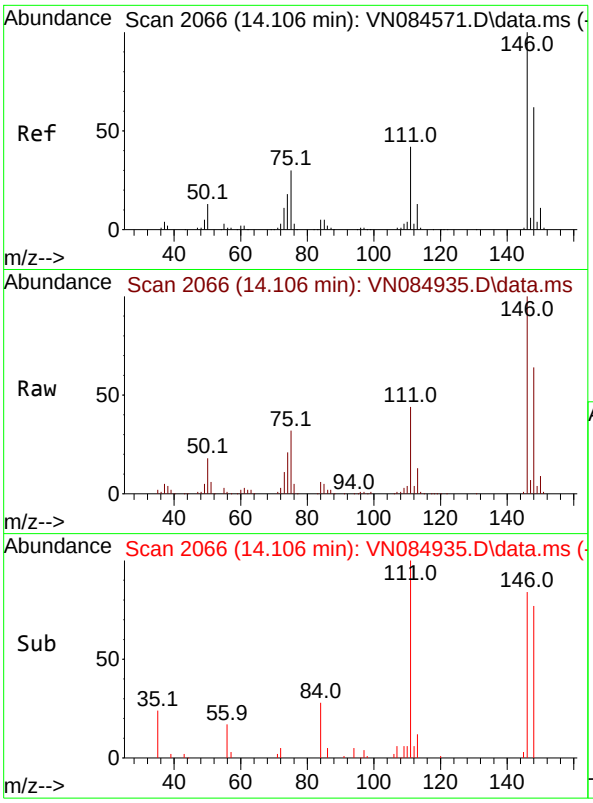


#90
Hexachloroethane
Concen: 43.786 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:117 Resp: 76160

Ion	Ratio	Lower	Upper
117	100		
201	71.7	34.4	103.2



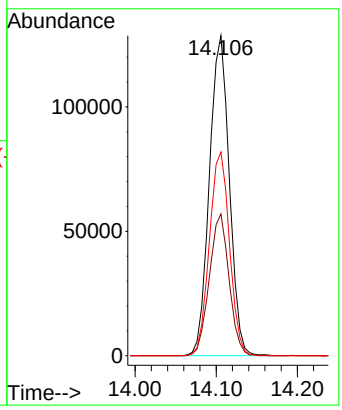


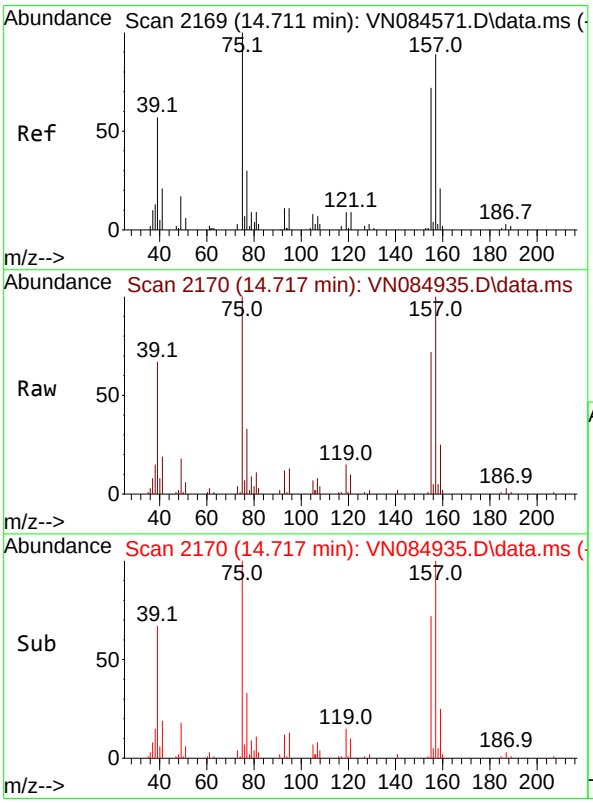
#91
1,2-Dichlorobenzene
Concen: 44.308 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 219245

Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.0	66.0
148	64.0	32.1	96.3

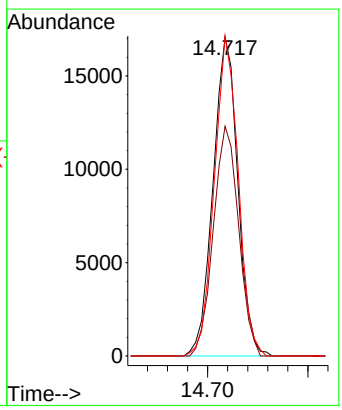


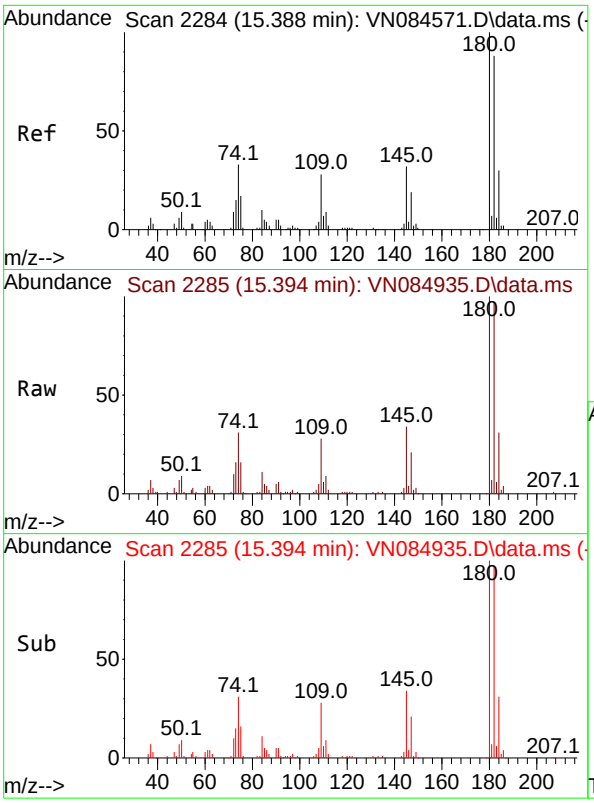


#92
1,2-Dibromo-3-Chloropropane
Concen: 43.984 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion: 75 Resp: 29192

Ion	Ratio	Lower	Upper
75	100		
155	73.6	38.1	114.5
157	96.9	49.6	149.0



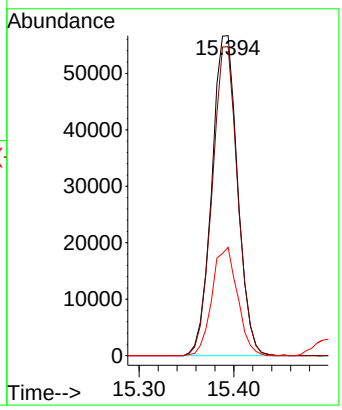


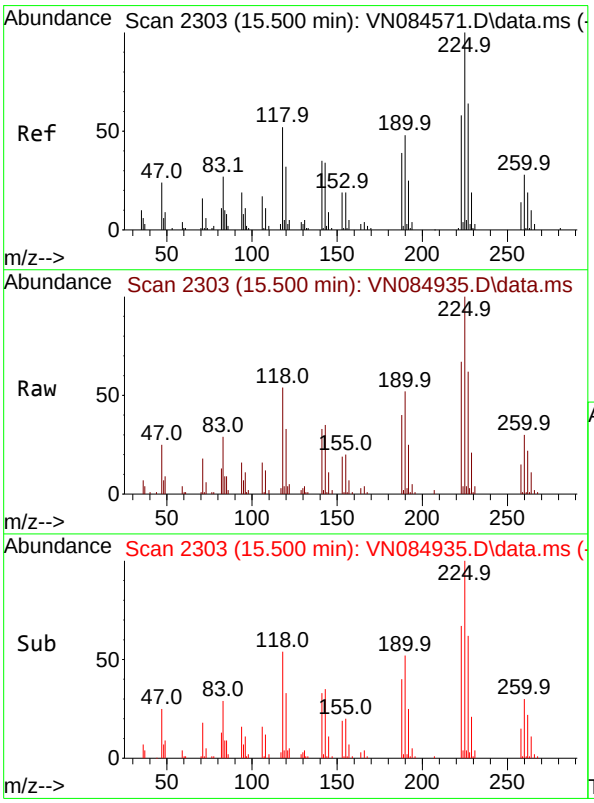
#93
1,2,4-Trichlorobenzene
Concen: 39.531 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 107065

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.0	141.0
145	33.5	16.4	49.4

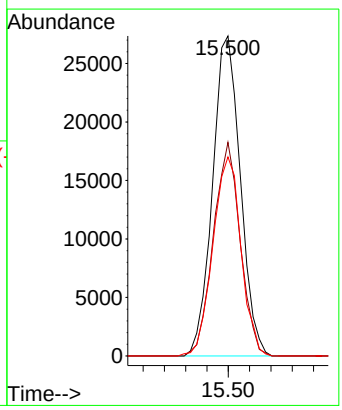


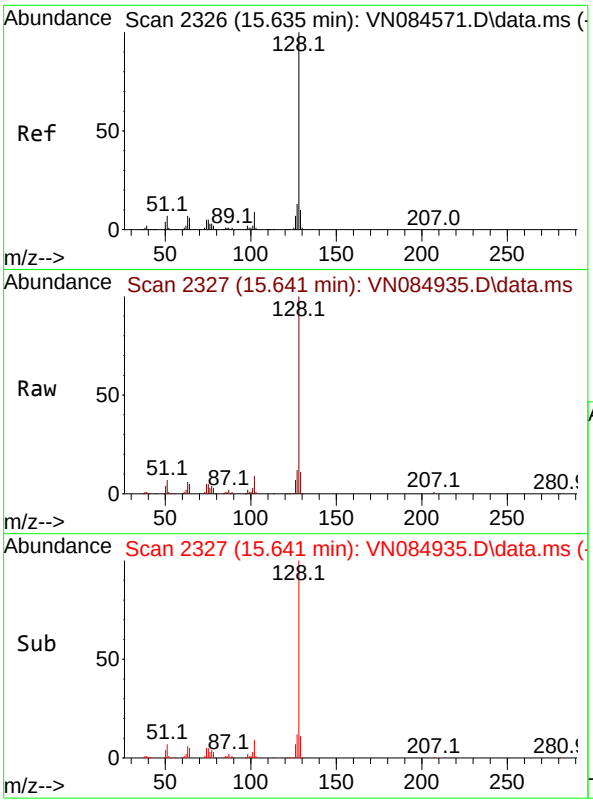


#94
Hexachlorobutadiene
Concen: 41.656 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:225 Resp: 49545

Ion	Ratio	Lower	Upper
225	100		
223	64.4	32.4	97.2
227	62.8	32.4	97.0



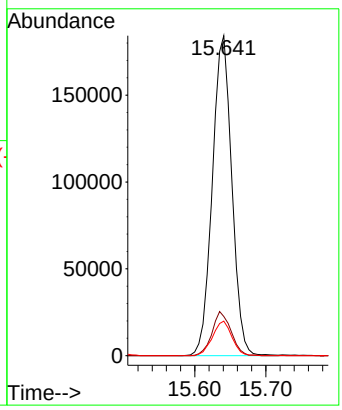


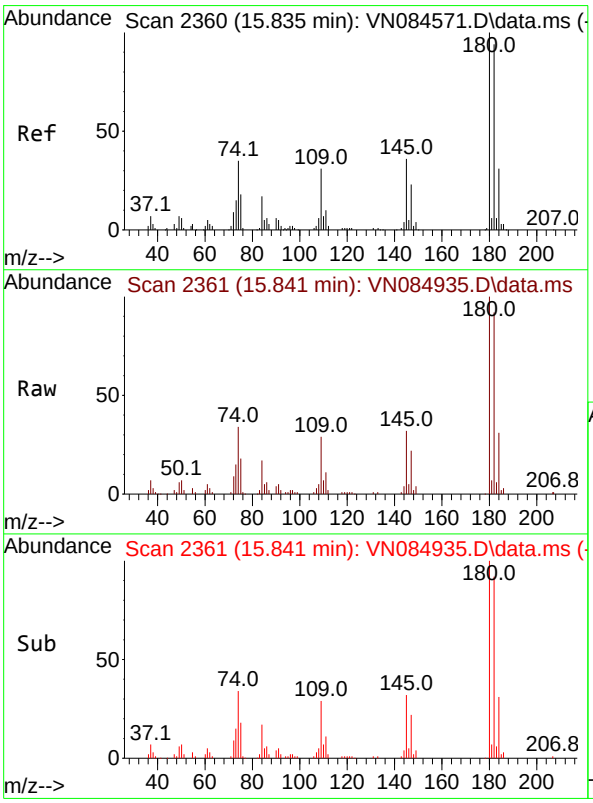
#95
Naphthalene
Concen: 43.227 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 350435

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	10.8	8.7	13.1

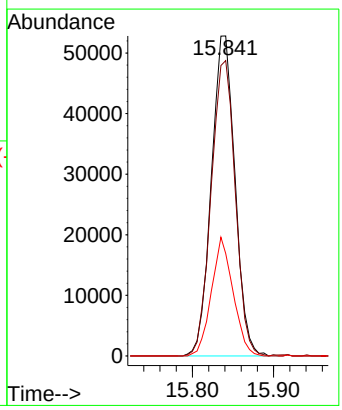




#96
1,2,3-Trichlorobenzene
Concen: 40.681 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084935.D
Acq: 19 Nov 2024 09:27

Tgt Ion:180 Resp: 106957

Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.2	144.6
145	34.0	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084938.D
Acq On : 19 Nov 2024 11:40
Operator : JC\MD
Sample : VN1119WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Quant Time: Nov 20 00:22:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	167364	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	286809	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	252679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131165	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	115474	47.770	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.540%		
35) Dibromofluoromethane	8.165	113	90242	46.484	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.960%		
50) Toluene-d8	10.565	98	325946	45.579	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.160%		
62) 4-Bromofluorobenzene	12.847	95	128829	48.202	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.400%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	36130	18.779	ug/l	98
3) Chloromethane	2.360	50	41727	16.810	ug/l	97
4) Vinyl Chloride	2.512	62	40114	19.385	ug/l	99
5) Bromomethane	2.901	94	20586	18.776	ug/l	98
6) Chloroethane	3.065	64	26614	19.938	ug/l	96
7) Trichlorofluoromethane	3.465	101	67356	19.759	ug/l	98
8) Diethyl Ether	3.954	74	25064	20.843	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.348	101	39960	20.746	ug/l	96
10) Methyl Iodide	4.571	142	51608	20.047	ug/l	99
11) Tert butyl alcohol	5.536	59	37827	118.551	ug/l	96
12) 1,1-Dichloroethene	4.324	96	36073	18.927	ug/l	93
13) Acrolein	4.171	56	39136	123.002	ug/l	96
14) Allyl chloride	5.012	41	60147	19.459	ug/l	94
15) Acrylonitrile	5.712	53	100056	108.319	ug/l	99
16) Acetone	4.430	43	81687	115.450	ug/l	99
17) Carbon Disulfide	4.695	76	95480	16.267	ug/l	98
18) Methyl Acetate	5.018	43	53894	18.624	ug/l	98
19) Methyl tert-butyl Ether	5.795	73	122075	20.897	ug/l	98
20) Methylene Chloride	5.265	84	40989	19.279	ug/l	94
21) trans-1,2-Dichloroethene	5.771	96	37116	18.965	ug/l	90
22) Diisopropyl ether	6.665	45	130755	21.290	ug/l	97
23) Vinyl Acetate	6.595	43	447227	105.593	ug/l	99
24) 1,1-Dichloroethane	6.565	63	74117	20.100	ug/l #	96
25) 2-Butanone	7.483	43	131314	116.439	ug/l	96
26) 2,2-Dichloropropane	7.483	77	68443	21.326	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	44729	19.574	ug/l	98
28) Bromochloromethane	7.812	49	34242	23.308	ug/l	99
29) Tetrahydrofuran	7.836	42	79498	106.257	ug/l	94
30) Chloroform	7.959	83	77863	20.747	ug/l	99
31) Cyclohexane	8.253	56	63583	19.052	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	70342	20.592	ug/l	98
36) 1,1-Dichloropropene	8.365	75	51548	19.146	ug/l	98
37) Ethyl Acetate	7.559	43	51933	21.260	ug/l #	94
38) Carbon Tetrachloride	8.359	117	58554	19.457	ug/l	93
39) Methylcyclohexane	9.600	83	53483	19.526	ug/l	97
40) Benzene	8.600	78	166743	19.284	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084938.D
Acq On : 19 Nov 2024 11:40
Operator : JC\MD
Sample : VN1119WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Quant Time: Nov 20 00:22:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	28323	21.561	ug/l		93
42) 1,2-Dichloroethane	8.665	62	59066	21.093	ug/l		100
43) Isopropyl Acetate	8.688	43	100867	21.807	ug/l		98
44) Trichloroethene	9.347	130	37236	18.673	ug/l		95
45) 1,2-Dichloropropane	9.618	63	40398	19.917	ug/l		93
46) Dibromomethane	9.706	93	28390	19.836	ug/l		96
47) Bromodichloromethane	9.883	83	60687	20.115	ug/l		99
48) Methyl methacrylate	9.683	41	40746	21.432	ug/l		98
49) 1,4-Dioxane	9.694	88	15027	446.038	ug/l	#	80
51) 4-Methyl-2-Pentanone	10.441	43	266202	114.312	ug/l		100
52) Toluene	10.630	92	104204	20.606	ug/l		97
53) t-1,3-Dichloropropene	10.835	75	58885	18.856	ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	65422	19.793	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	39586	20.781	ug/l		96
56) Ethyl methacrylate	10.871	69	59364	21.545	ug/l		97
57) 1,3-Dichloropropane	11.159	76	67357	20.603	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	139905	108.511	ug/l		97
59) 2-Hexanone	11.194	43	199980	117.979	ug/l		100
60) Dibromochloromethane	11.359	129	43514	20.043	ug/l		95
61) 1,2-Dibromoethane	11.465	107	38886	19.935	ug/l		96
64) Tetrachloroethene	11.100	164	32191	19.153	ug/l		97
65) Chlorobenzene	11.888	112	107058	18.939	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	39898	20.291	ug/l		97
67) Ethyl Benzene	11.965	91	183422	19.439	ug/l		99
68) m/p-Xylenes	12.071	106	143310	40.117	ug/l		100
69) o-Xylene	12.400	106	68863	20.606	ug/l		99
70) Styrene	12.412	104	113129	19.406	ug/l		99
71) Bromoform	12.576	173	30101	20.345	ug/l	#	100
73) Isopropylbenzene	12.694	105	173994	18.929	ug/l		100
74) N-amyl acetate	12.494	43	74637	19.078	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	58779	19.158	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	75660	28.857	ug/l		56
77) Bromobenzene	12.976	156	43232	17.496	ug/l		97
78) n-propylbenzene	13.035	91	199093	18.484	ug/l		100
79) 2-Chlorotoluene	13.124	91	132044	18.762	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	148018	19.429	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	19909	18.014	ug/l		99
82) 4-Chlorotoluene	13.218	91	129851	17.532	ug/l		98
83) tert-Butylbenzene	13.435	119	120889	19.173	ug/l		95
84) 1,2,4-Trimethylbenzene	13.482	105	149905	19.065	ug/l		98
85) sec-Butylbenzene	13.612	105	169384	19.019	ug/l		99
86) p-Isopropyltoluene	13.729	119	140547	19.242	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	80412	16.675	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	80399	17.455	ug/l		99
89) n-Butylbenzene	14.053	91	115610	16.921	ug/l		99
90) Hexachloroethane	14.335	117	27883	17.118	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	78540	16.949	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	11687	18.803	ug/l		93
93) 1,2,4-Trichlorobenzene	15.388	180	38073	15.011	ug/l		100
94) Hexachlorobutadiene	15.494	225	17984	16.146	ug/l		99
95) Naphthalene	15.641	128	117873	15.526	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	36396	14.782	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084938.D
Acq On : 19 Nov 2024 11:40
Operator : JC\MD
Sample : VN1119WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Quant Time: Nov 20 00:22:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

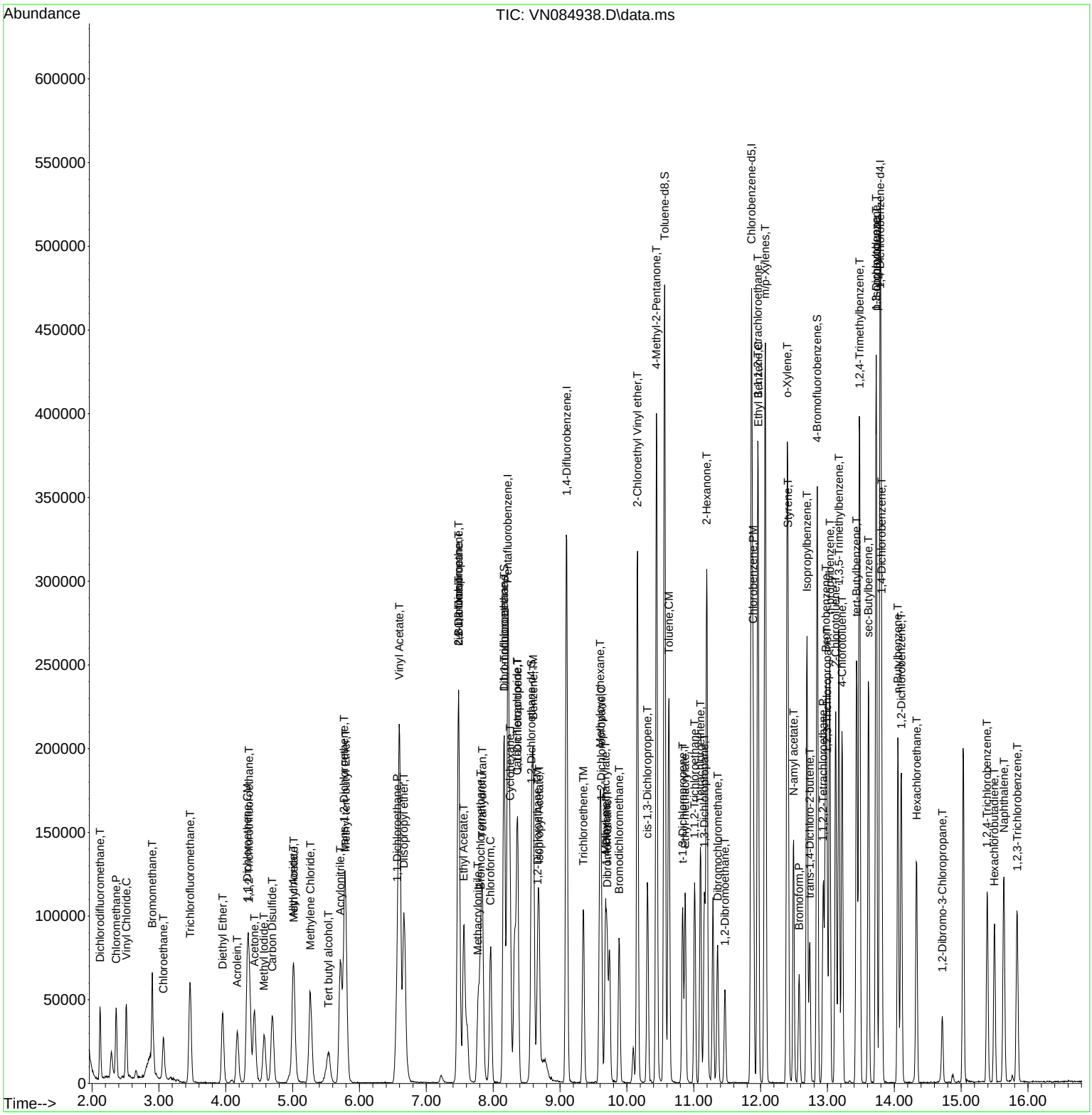
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

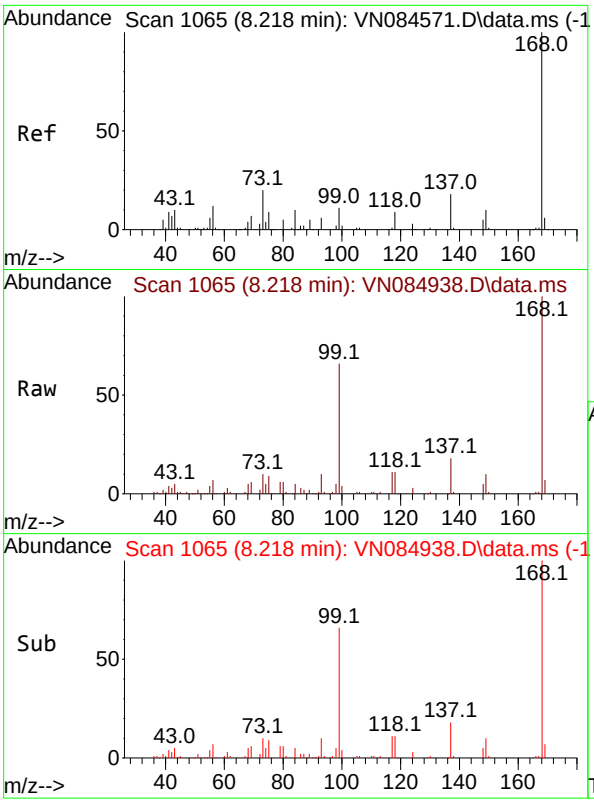
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084938.D
Acq On : 19 Nov 2024 11:40
Operator : JC\MD
Sample : VN1119WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Quant Time: Nov 20 00:22:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



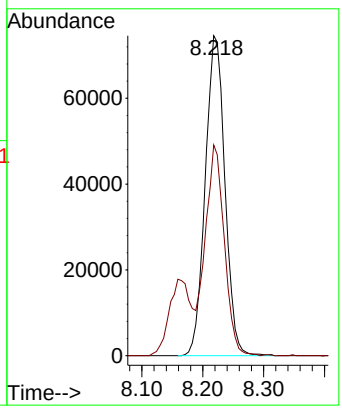


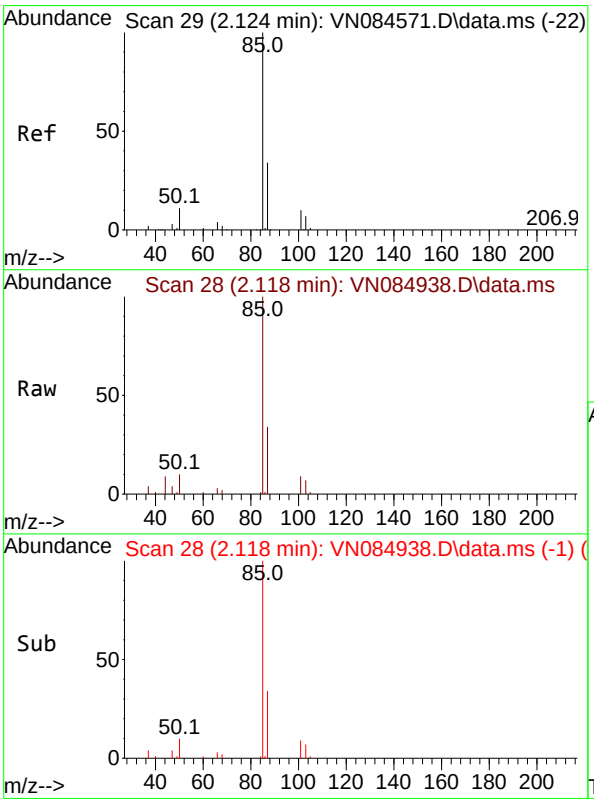
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion:168 Resp: 167364

Ion	Ratio	Lower	Upper
168	100		
99	65.9	54.2	81.2

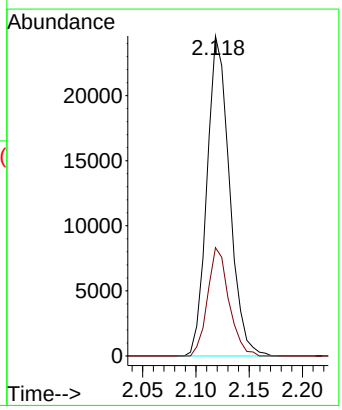


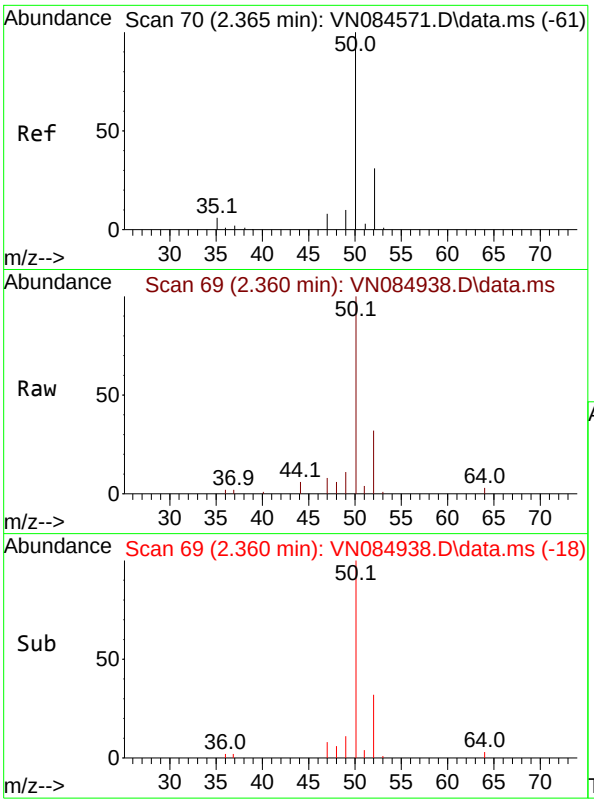


#2
Dichlorodifluoromethane
Concen: 18.779 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 85 Resp: 36130

Ion	Ratio	Lower	Upper
85	100		
87	33.8	17.6	52.9



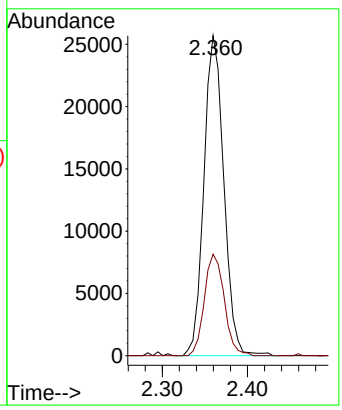


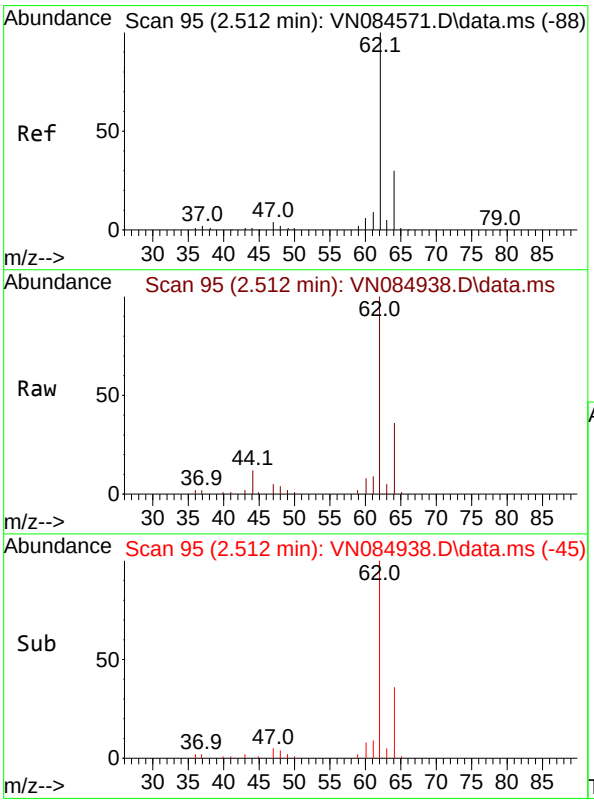
#3
Chloromethane
Concen: 16.810 ug/l
RT: 2.360 min Scan# 6
Delta R.T. 0.001 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion: 50 Resp: 41727

Ion	Ratio	Lower	Upper
50	100		
52	31.7	26.8	40.2

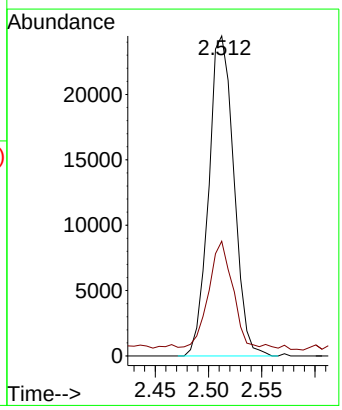


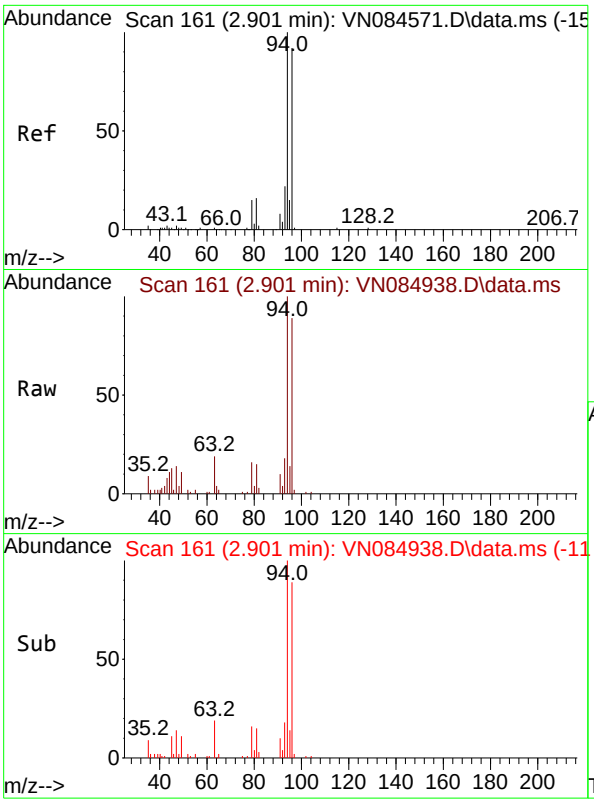


#4
Vinyl Chloride
Concen: 19.385 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 62 Resp: 40114

Ion	Ratio	Lower	Upper
62	100		
64	33.4	26.2	39.4



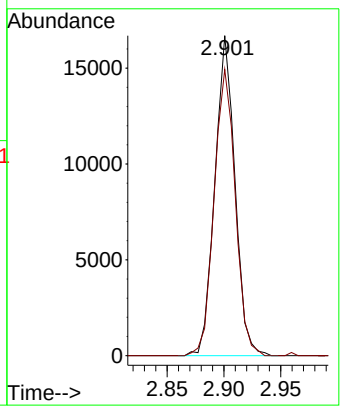


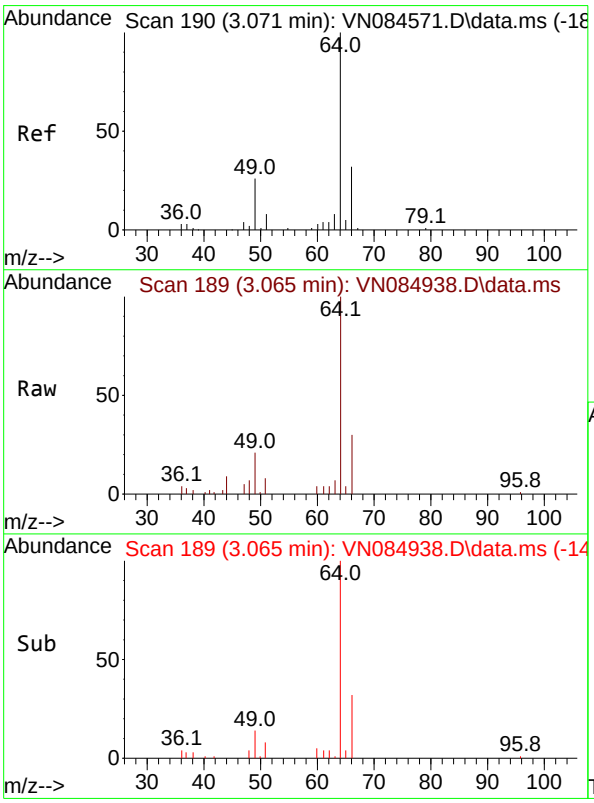
#5
Bromomethane
Concen: 18.776 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.052 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion: 94 Resp: 20586

Ion	Ratio	Lower	Upper
94	100		
96	89.4	72.9	109.3

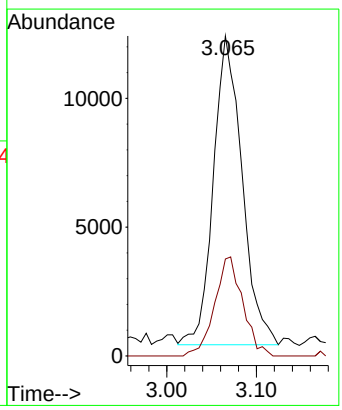


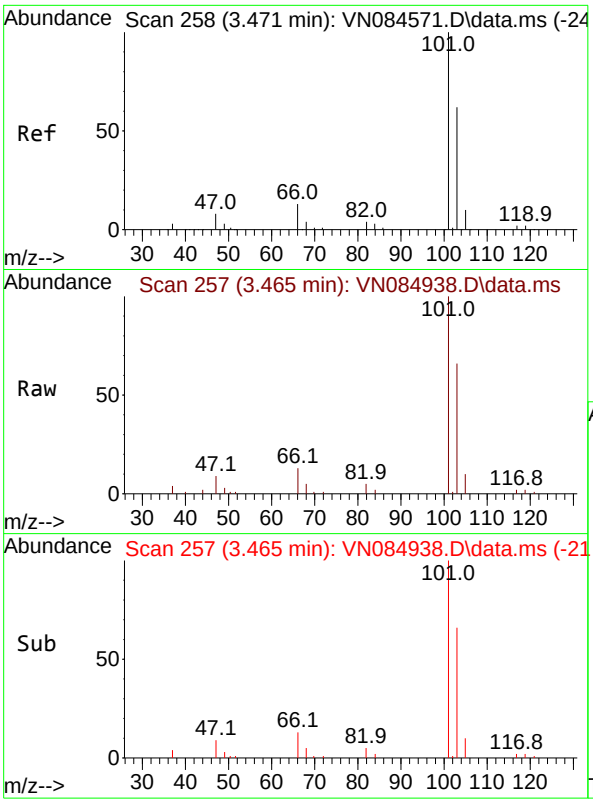


#6
Chloroethane
Concen: 19.938 ug/l
RT: 3.065 min Scan# 189
Delta R.T. -0.053 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 64 Resp: 26614

Ion	Ratio	Lower	Upper
64	100		
66	31.4	23.5	35.3



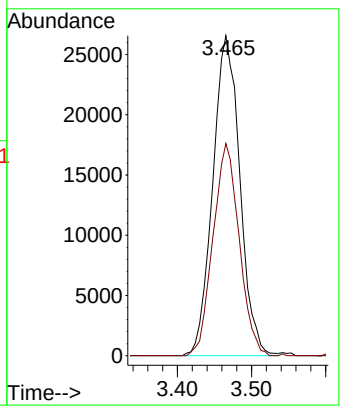


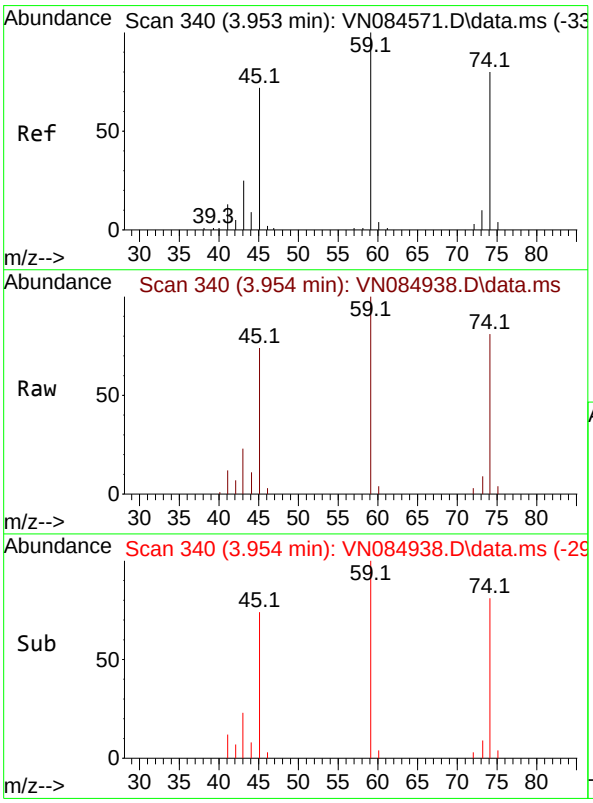
#7
Trichlorofluoromethane
Concen: 19.759 ug/l
RT: 3.465 min Scan# 2
Delta R.T. -0.030 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion:101 Resp: 67356

Ion	Ratio	Lower	Upper
101	100		
103	66.3	51.8	77.6

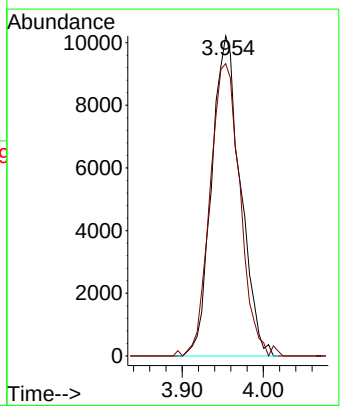


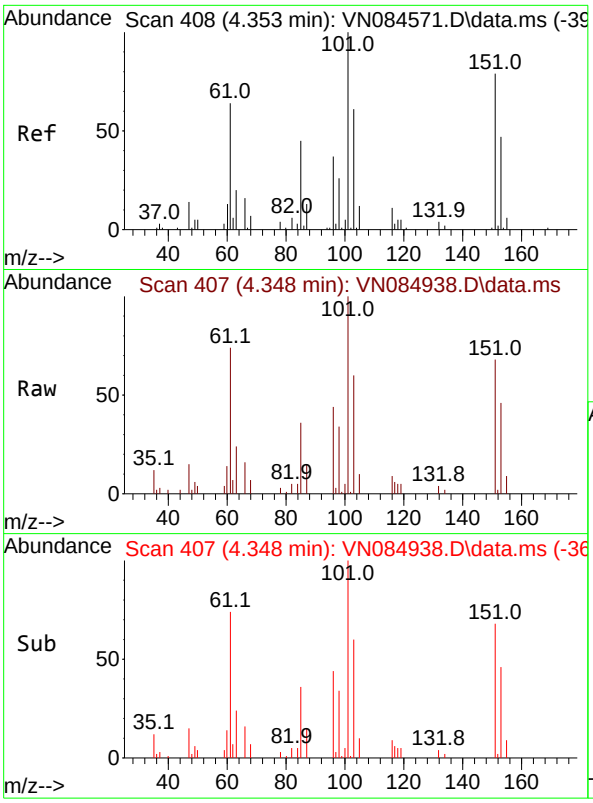


#8
Diethyl Ether
Concen: 20.843 ug/l
RT: 3.954 min Scan# 340
Delta R.T. -0.005 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 74 Resp: 25064

Ion	Ratio	Lower	Upper
74	100		
45	95.0	47.7	143.1



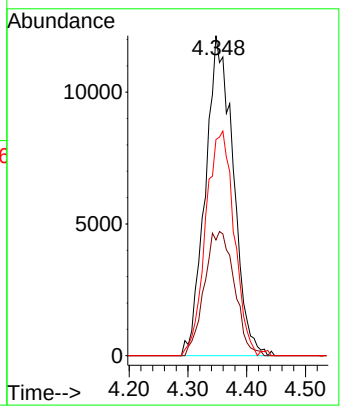


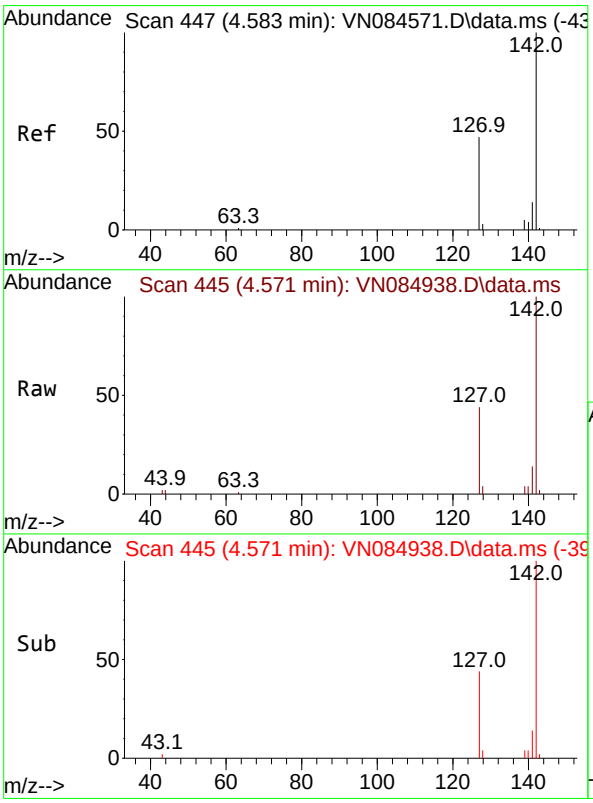
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.746 ug/l
RT: 4.348 min Scan# 4(
Delta R.T. -0.023 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion:101 Resp: 39960

Ion	Ratio	Lower	Upper
101	100		
85	41.9	36.2	54.4
151	71.6	59.3	88.9

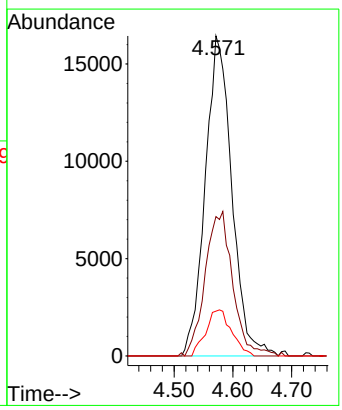


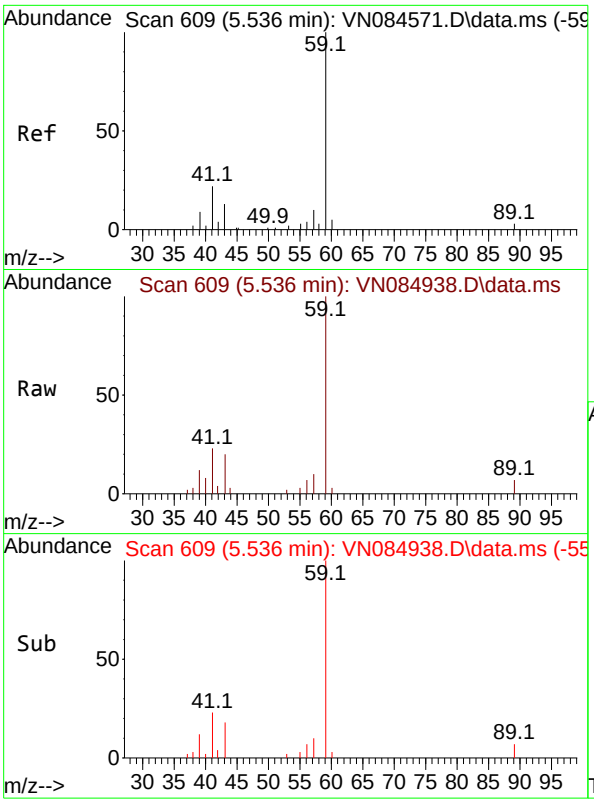


#10
Methyl Iodide
Concen: 20.047 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.023 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:142 Resp: 51608

Ion	Ratio	Lower	Upper
142	100		
127	43.6	35.3	52.9
141	14.0	11.0	16.6



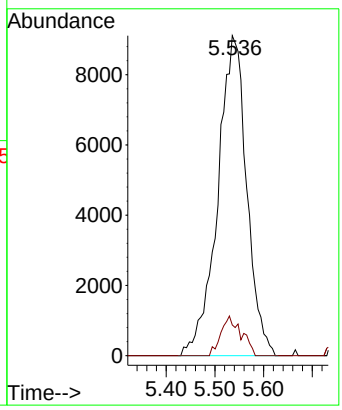


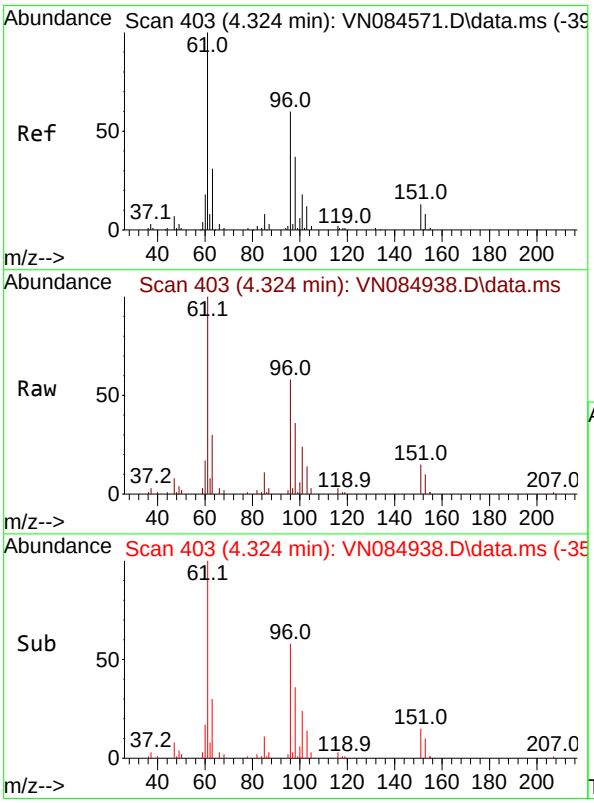
#11
Tert butyl alcohol
Concen: 118.551 ug/l
RT: 5.536 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion: 59 Resp: 37827

Ion	Ratio	Lower	Upper
59	100		
57	8.6	8.2	12.2

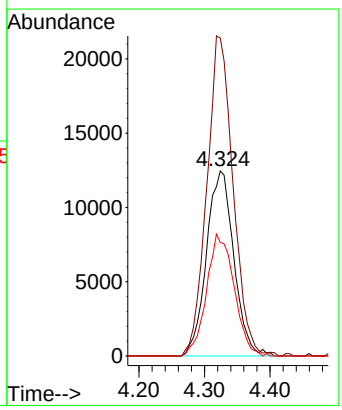


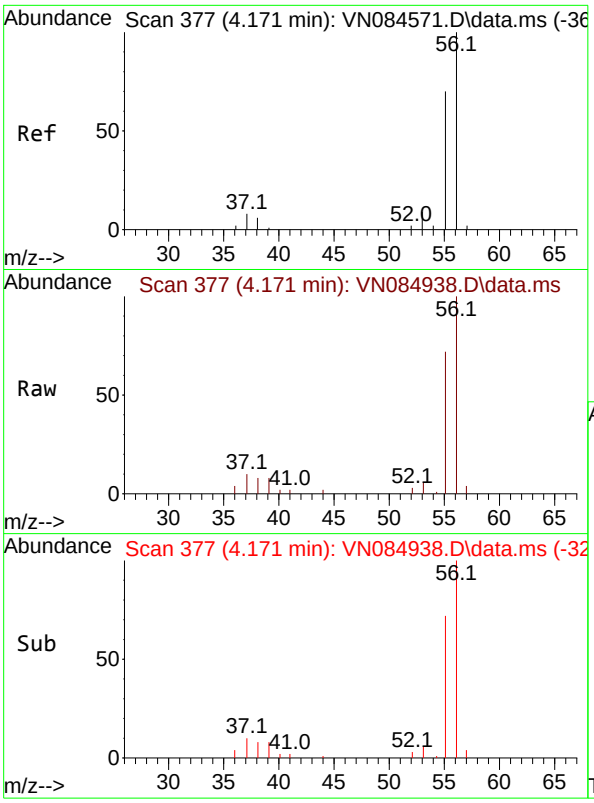


#12
1,1-Dichloroethene
Concen: 18.927 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 96 Resp: 36073

Ion	Ratio	Lower	Upper
96	100		
61	171.8	128.6	192.8
98	61.4	51.7	77.5



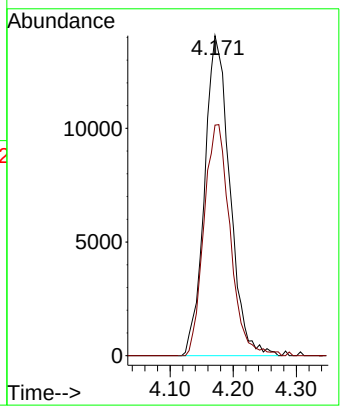


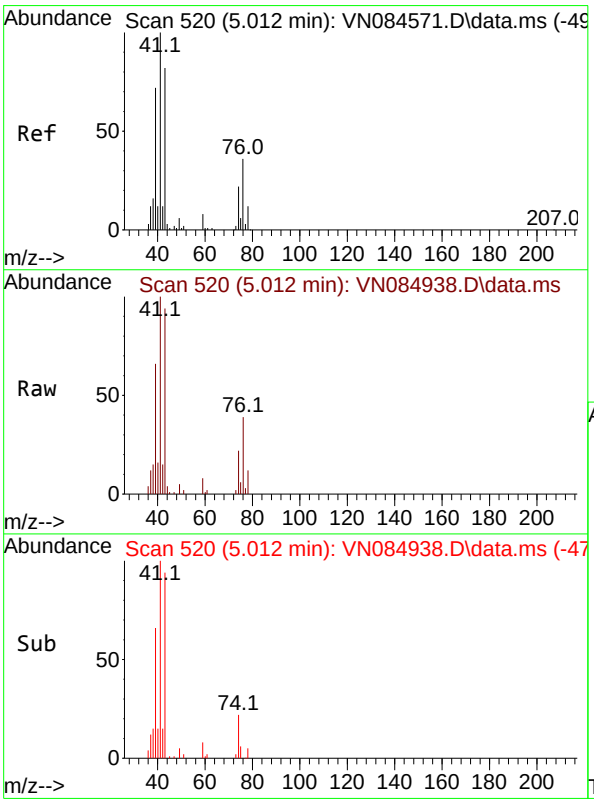
#13
Acrolein
Concen: 123.002 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion: 56 Resp: 39136

Ion	Ratio	Lower	Upper
56	100		
55	74.7	57.2	85.8

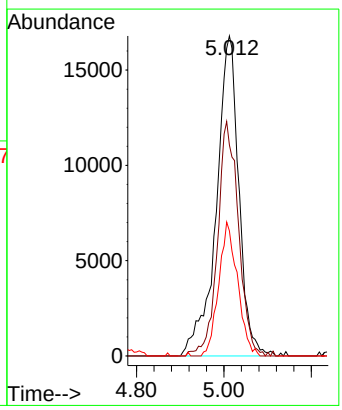


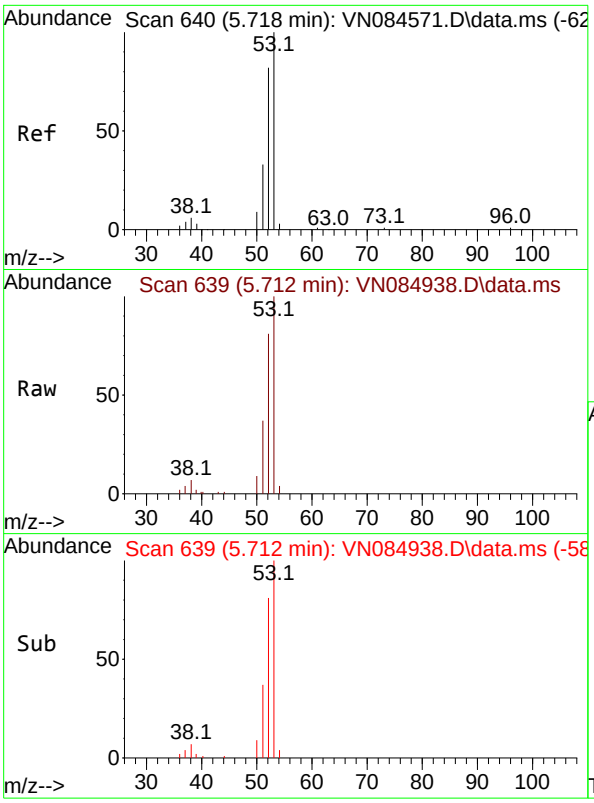


#14
Allyl chloride
Concen: 19.459 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 41 Resp: 60147

Ion	Ratio	Lower	Upper
41	100		
39	67.5	59.0	88.6
76	34.9	29.8	44.6



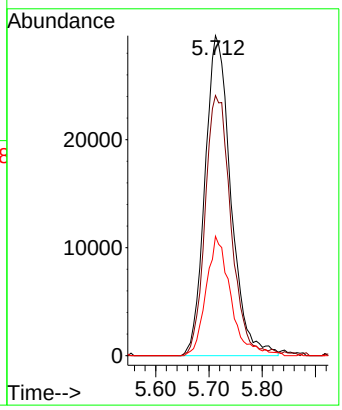


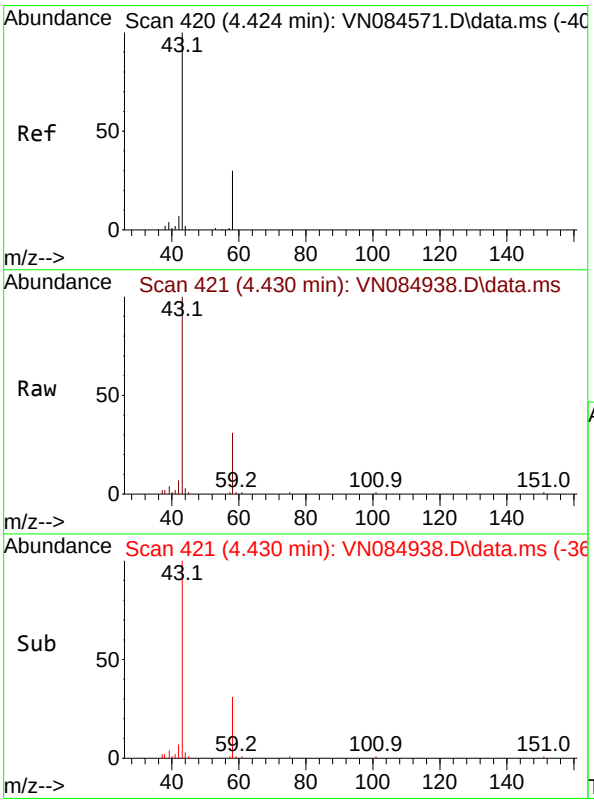
#15
Acrylonitrile
Concen: 108.319 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion: 53 Resp: 100056

Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.2	99.4
51	35.6	28.8	43.2

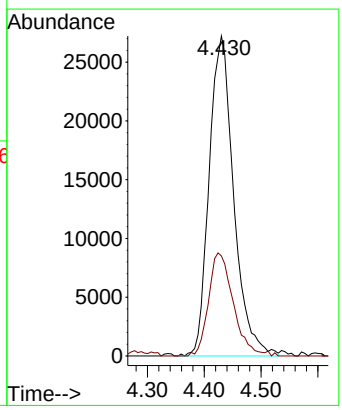


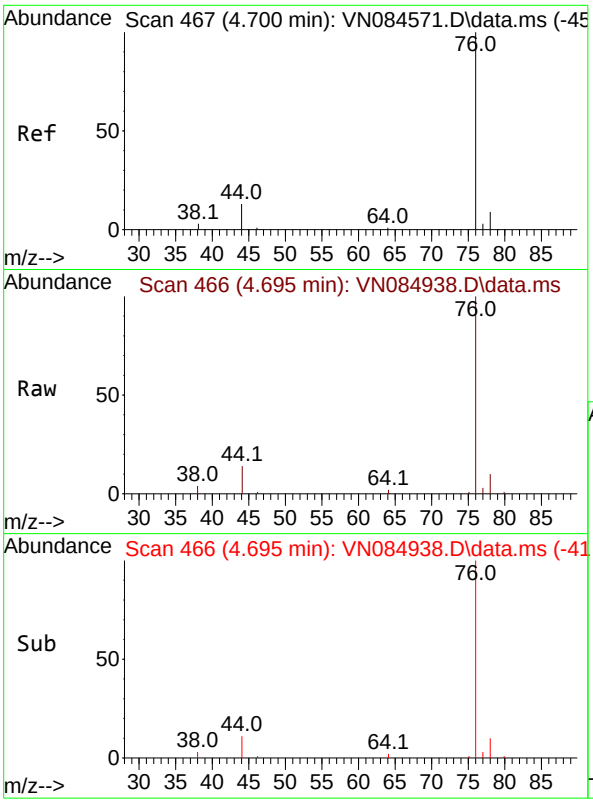


#16
Acetone
Concen: 115.450 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 43 Resp: 81687

Ion	Ratio	Lower	Upper
43	100		
58	31.2	24.4	36.6



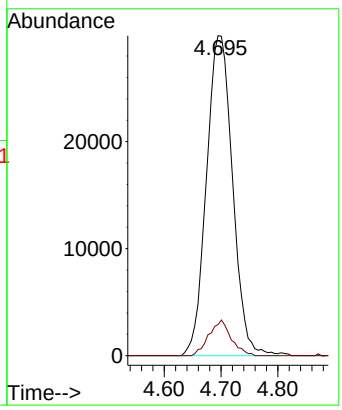


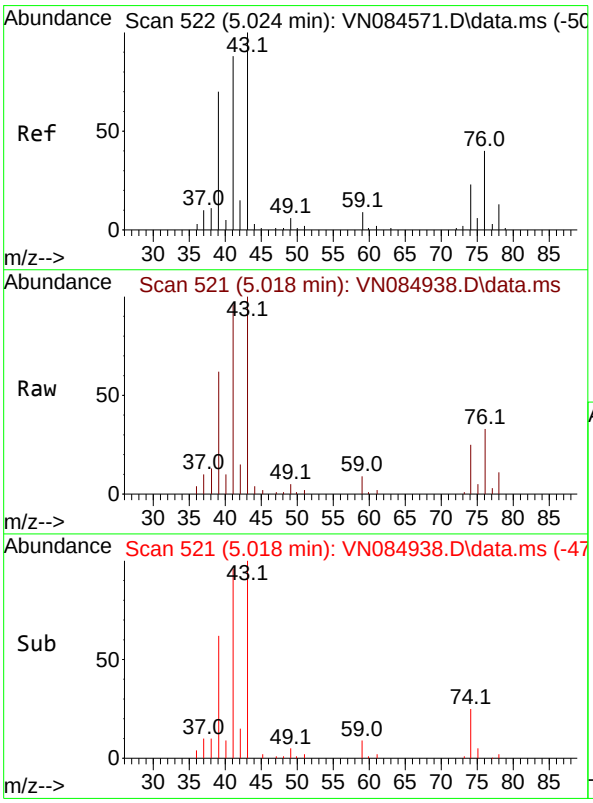
#17
Carbon Disulfide
Concen: 16.267 ug/l
RT: 4.695 min Scan# 4
Delta R.T. -0.017 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion: 76 Resp: 95480

Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.3	10.9

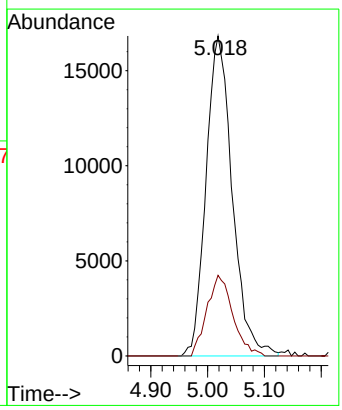


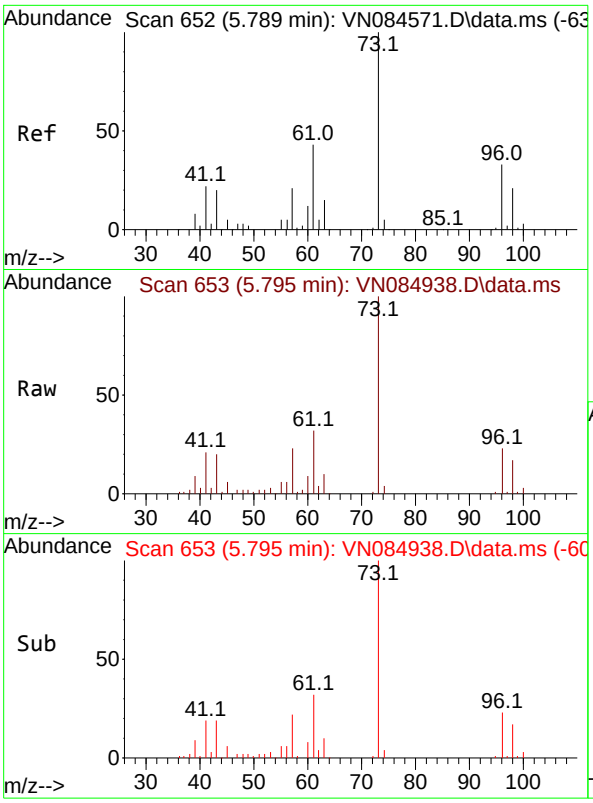


#18
Methyl Acetate
Concen: 18.624 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 43 Resp: 53894

Ion	Ratio	Lower	Upper
43	100		
74	24.9	19.2	28.8



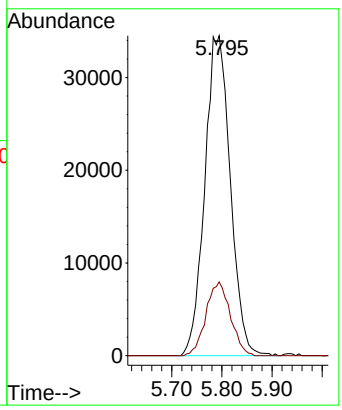


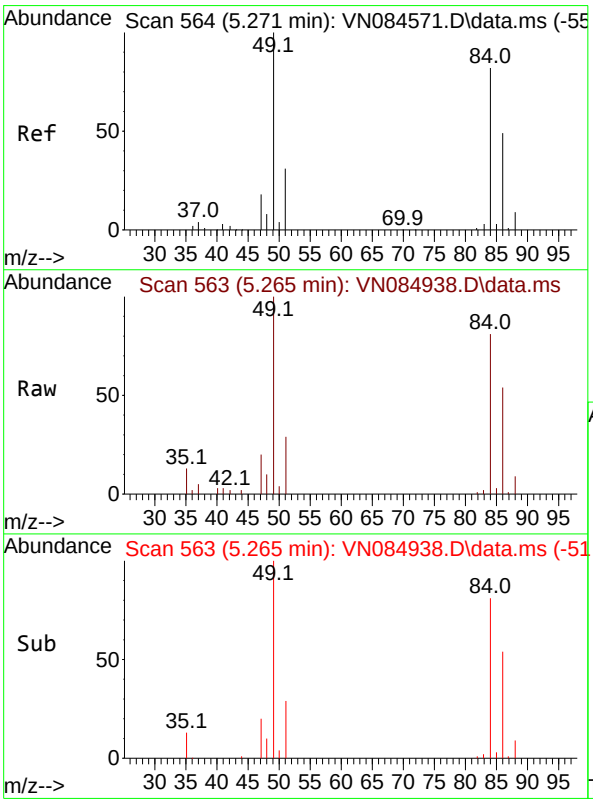
#19
Methyl tert-butyl Ether
Concen: 20.897 ug/l
RT: 5.795 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion: 73 Resp: 122075

Ion	Ratio	Lower	Upper
73	100		
57	23.1	17.7	26.5

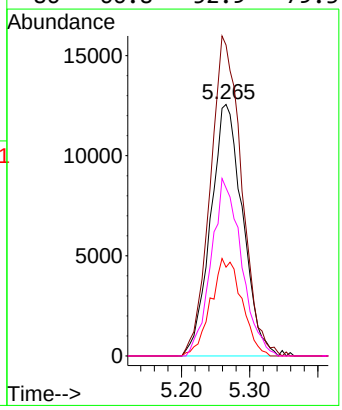


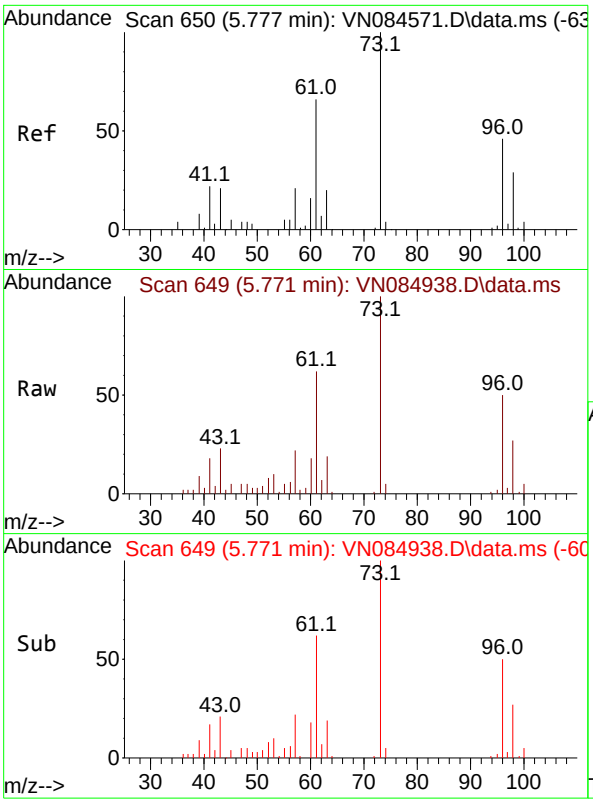


#20
Methylene Chloride
Concen: 19.279 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 84 Resp: 40989

Ion	Ratio	Lower	Upper
84	100		
49	123.6	107.2	160.8
51	35.3	31.8	47.8
86	66.8	52.9	79.3



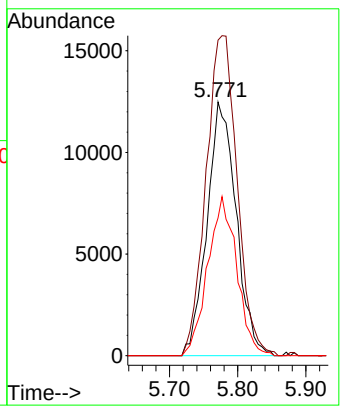


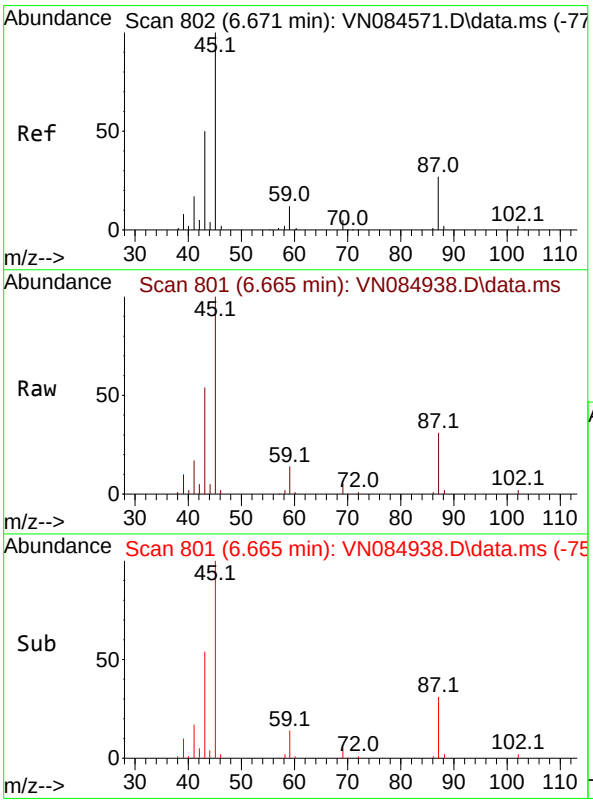
#21
trans-1,2-Dichloroethene
Concen: 18.965 ug/l
RT: 5.771 min Scan# 64
Delta R.T. -0.018 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion: 96 Resp: 37116

Ion	Ratio	Lower	Upper
96	100		
61	124.4	108.4	162.6
98	54.3	49.8	74.8

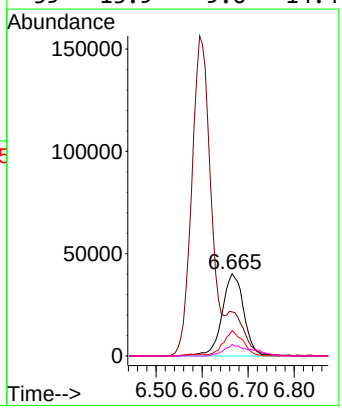


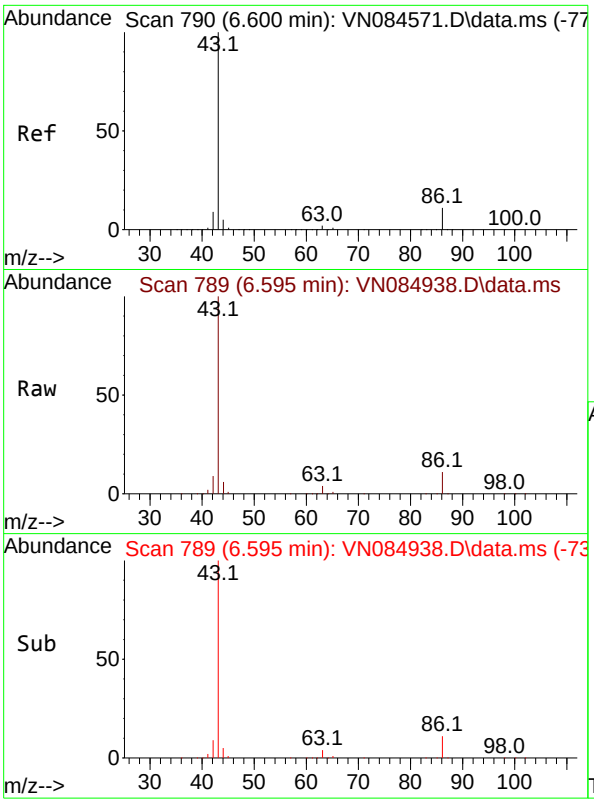


#22
Diisopropyl ether
Concen: 21.290 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 45 Resp: 130755

Ion	Ratio	Lower	Upper
45	100		
43	52.2	42.3	63.5
87	30.9	21.8	32.6
59	13.9	9.6	14.4



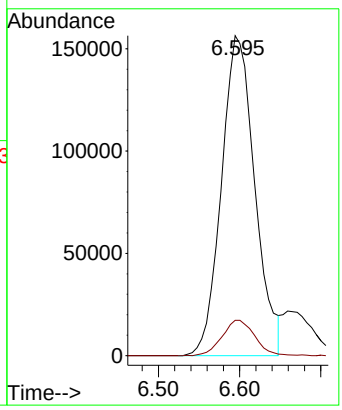


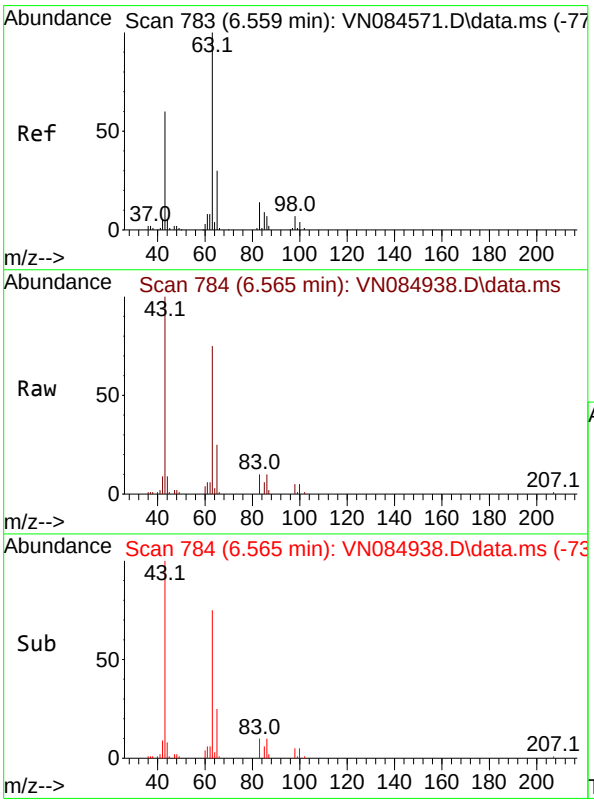
#23
Vinyl Acetate
Concen: 105.593 ug/l
RT: 6.595 min Scan# 7
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion: 43 Resp: 447227

Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.6	12.8

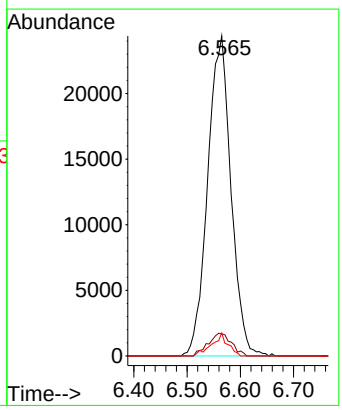


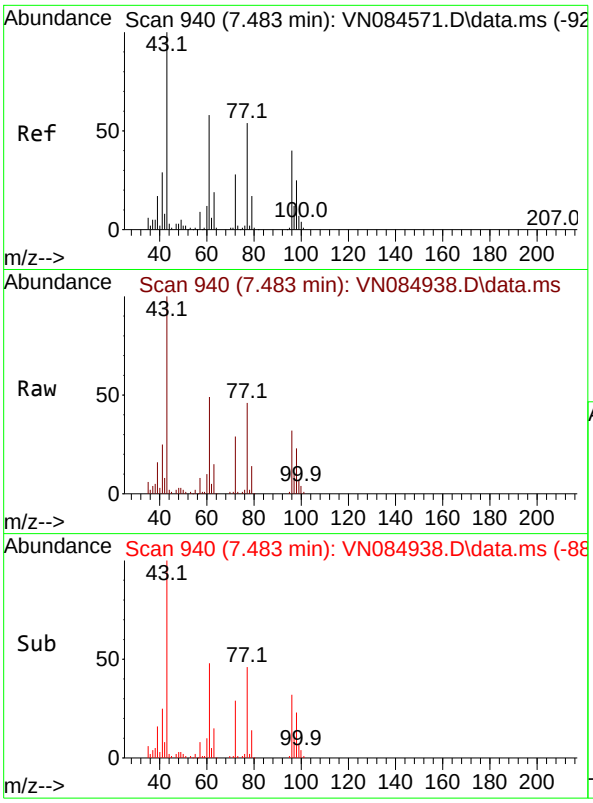


#24
1,1-Dichloroethane
Concen: 20.100 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 63 Resp: 74117

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.4	10.2
100	7.2	2.0	5.8#



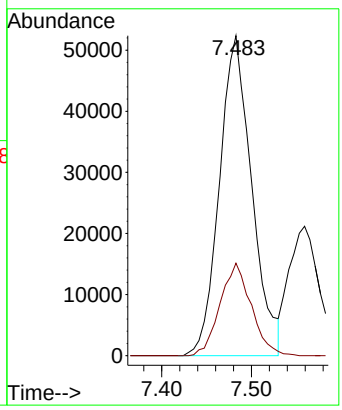


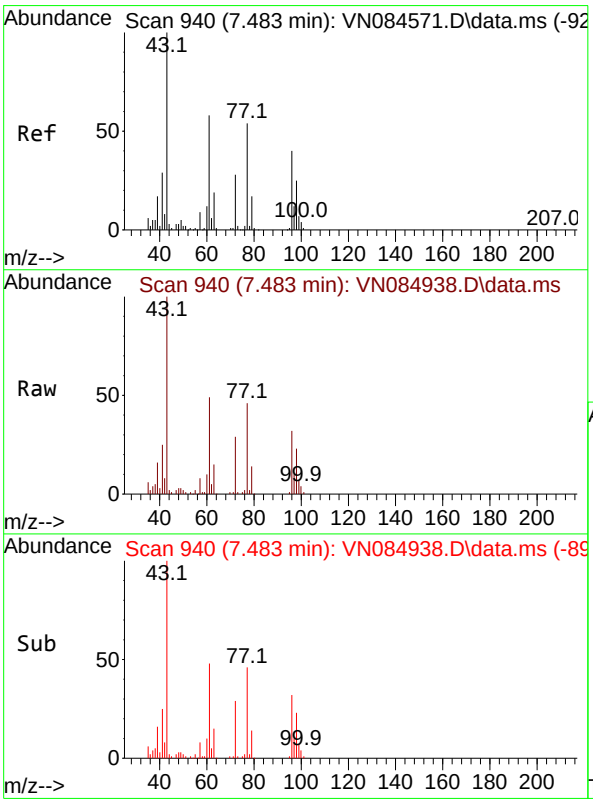
#25
2-Butanone
Concen: 116.439 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion: 43 Resp: 131314

Ion	Ratio	Lower	Upper
43	100		
72	28.9	21.4	32.2

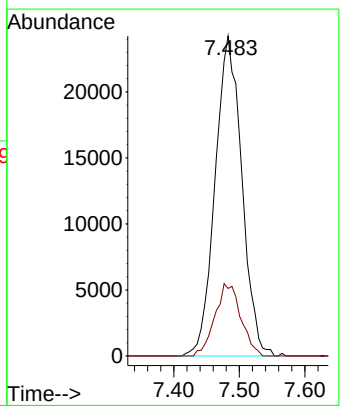


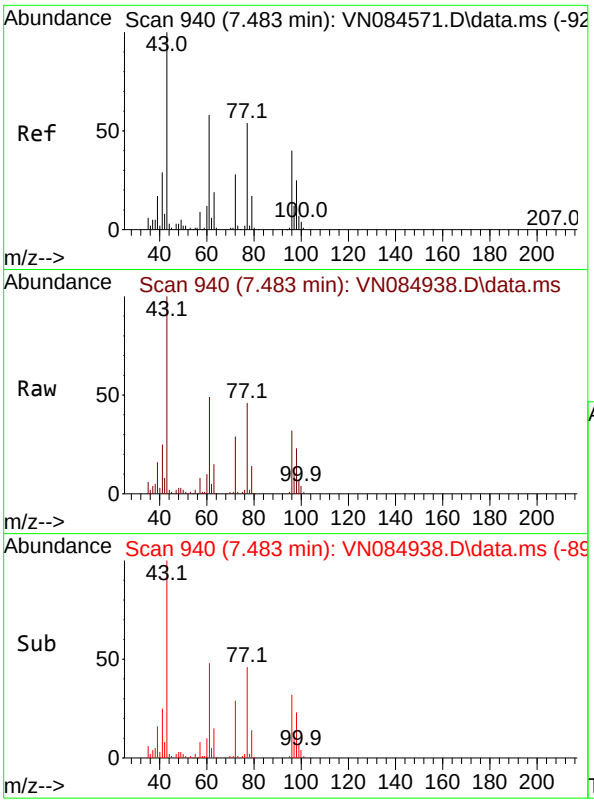


#26
2,2-Dichloropropane
Concen: 21.326 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 77 Resp: 68443

Ion	Ratio	Lower	Upper
77	100		
97	21.9	10.8	32.3



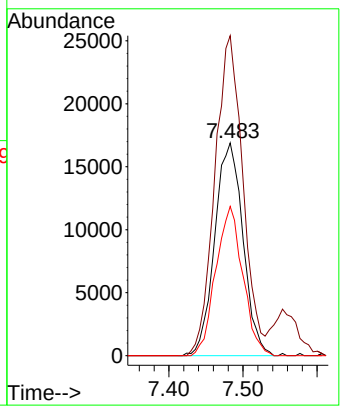


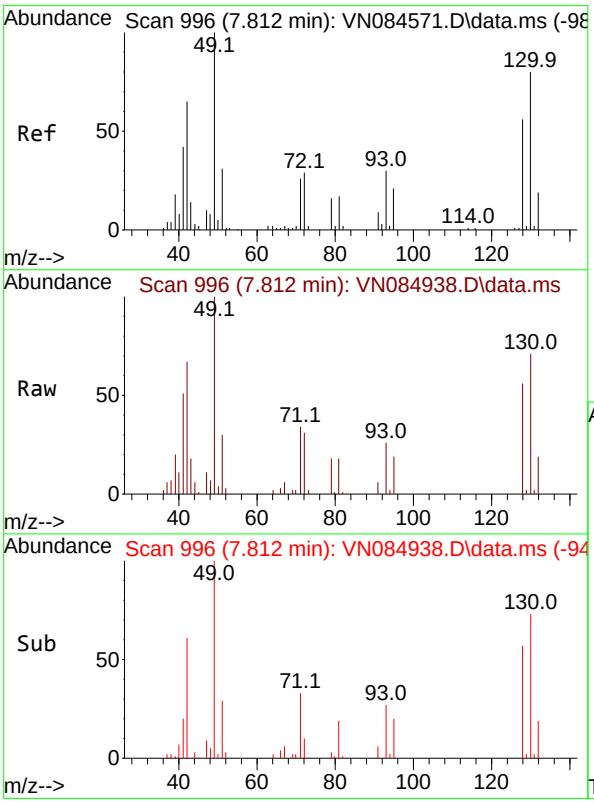
#27
cis-1,2-Dichloroethene
Concen: 19.574 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion: 96 Resp: 44729

Ion	Ratio	Lower	Upper
96	100		
61	149.5	0.0	301.8
98	67.1	0.0	128.2

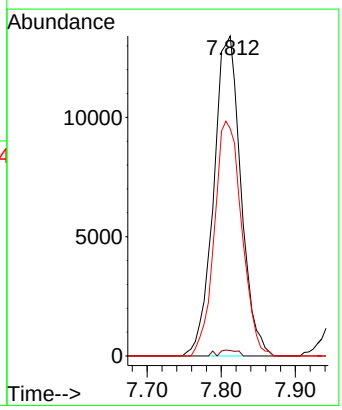


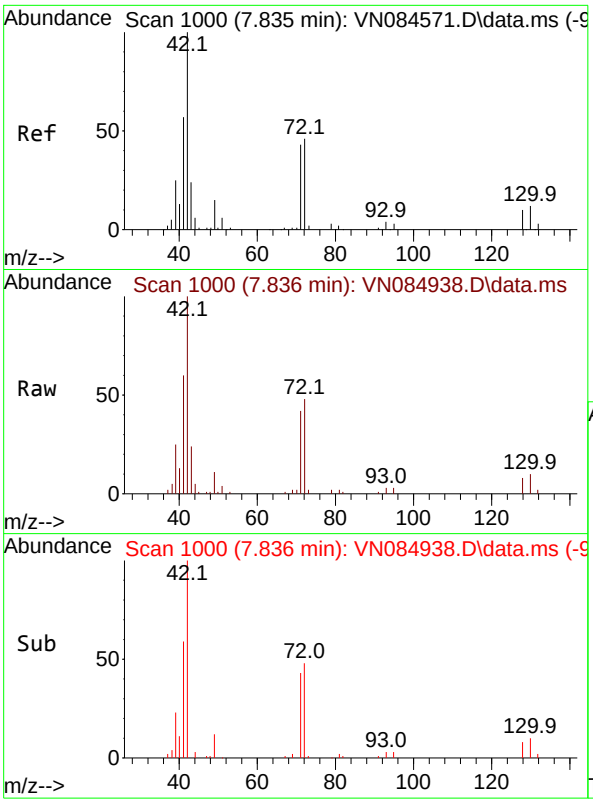


#28
Bromochloromethane
Concen: 23.308 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 49 Resp: 34242

Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.6
130	73.7	58.0	87.0



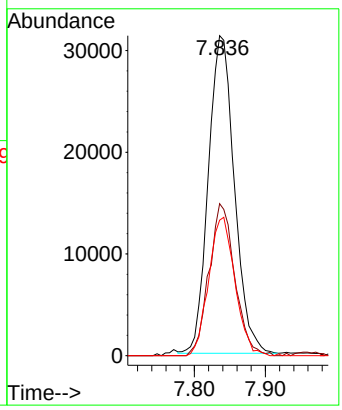


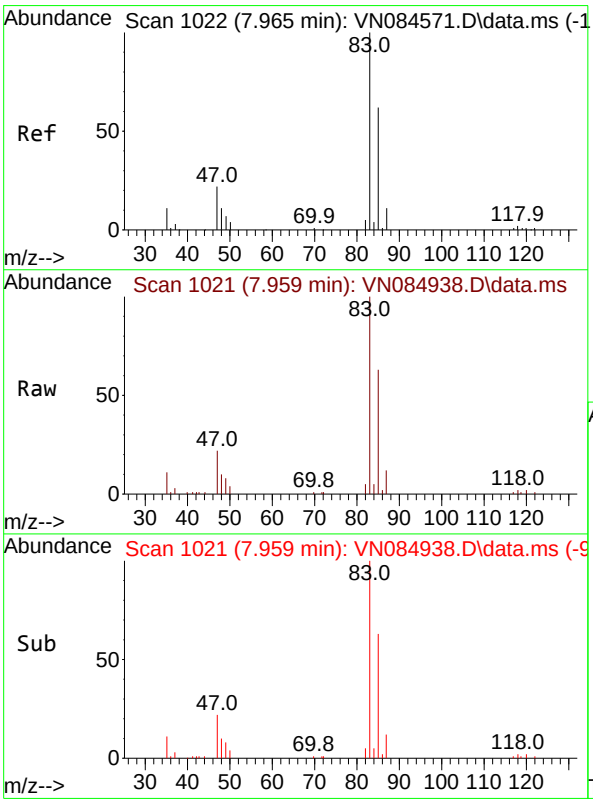
#29
Tetrahydrofuran
Concen: 106.257 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion: 42 Resp: 79498

Ion	Ratio	Lower	Upper
42	100		
72	47.3	34.6	51.8
71	43.8	32.2	48.4

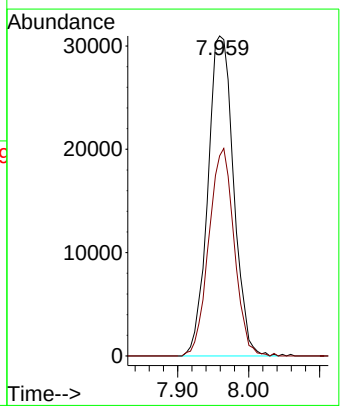


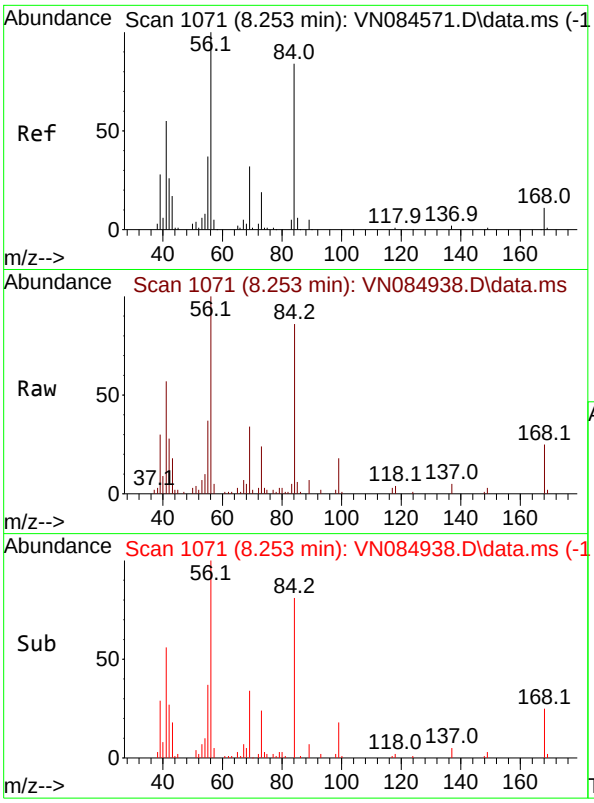


#30
Chloroform
Concen: 20.747 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 83 Resp: 77863

Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.0	76.4



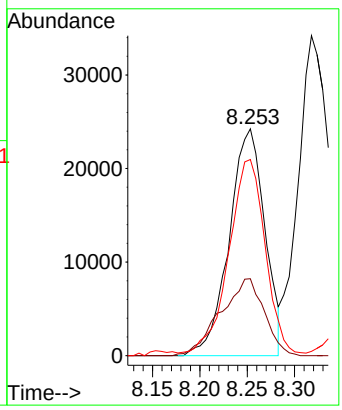


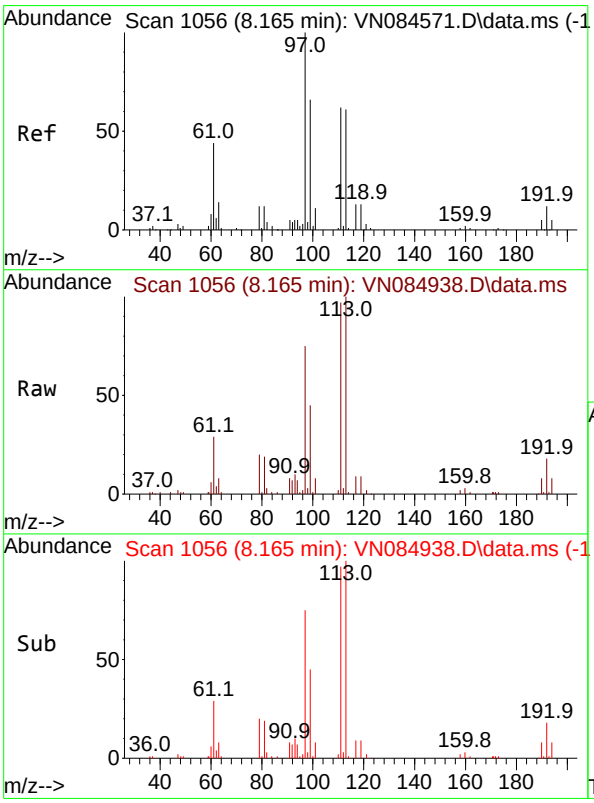
#31
Cyclohexane
Concen: 19.052 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion: 56 Resp: 63583

Ion	Ratio	Lower	Upper
56	100		
69	33.1	23.8	35.6
84	85.2	68.8	103.2

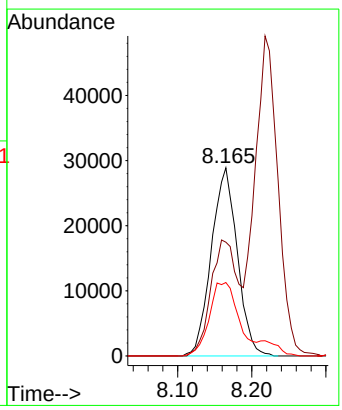


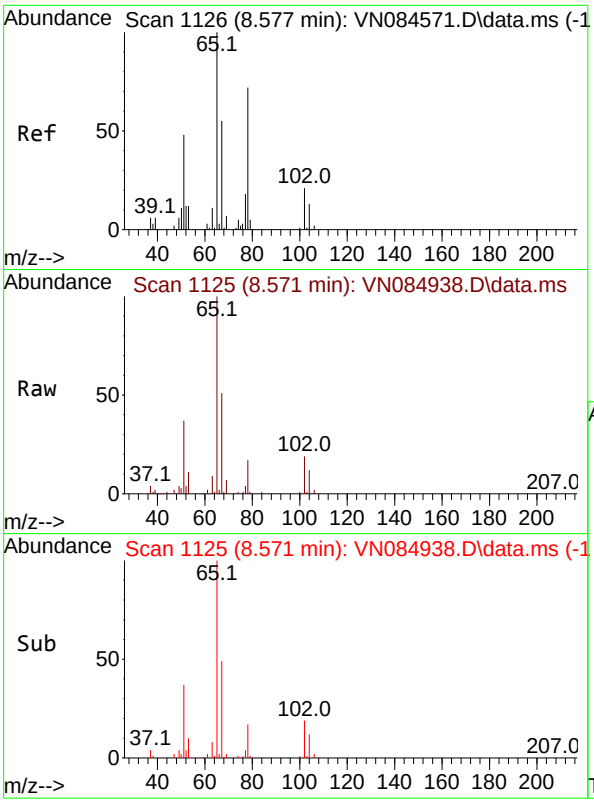


#32
1,1,1-Trichloroethane
Concen: 20.592 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 97 Resp: 70342

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.2	76.8
61	44.2	37.5	56.3



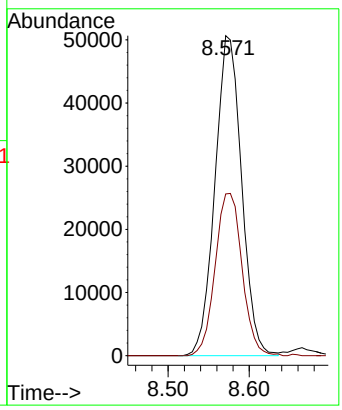


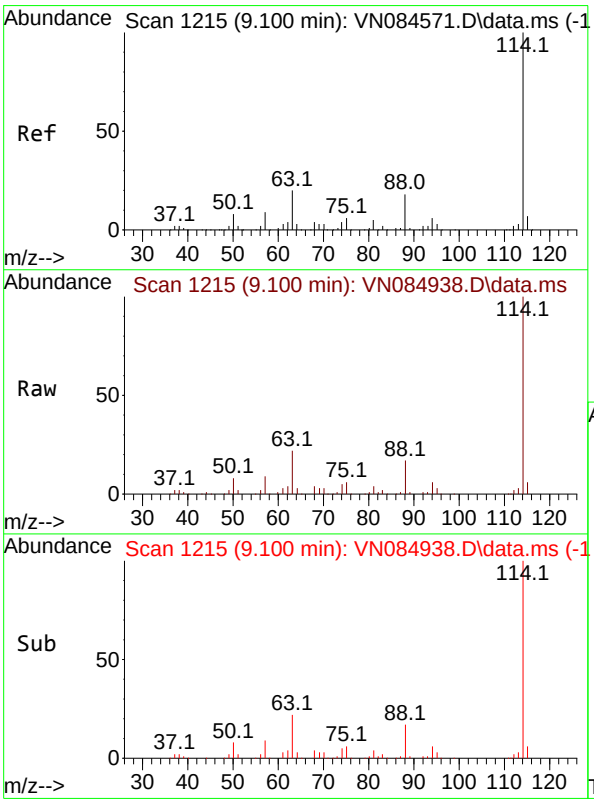
#33
1,2-Dichloroethane-d4
Concen: 47.770 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion: 65 Resp: 115474

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	102.0

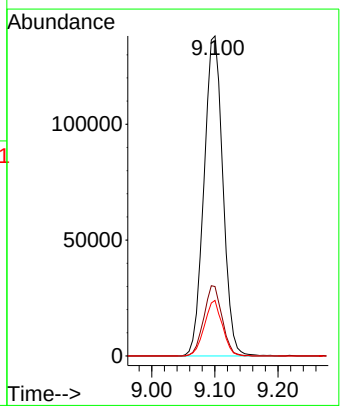


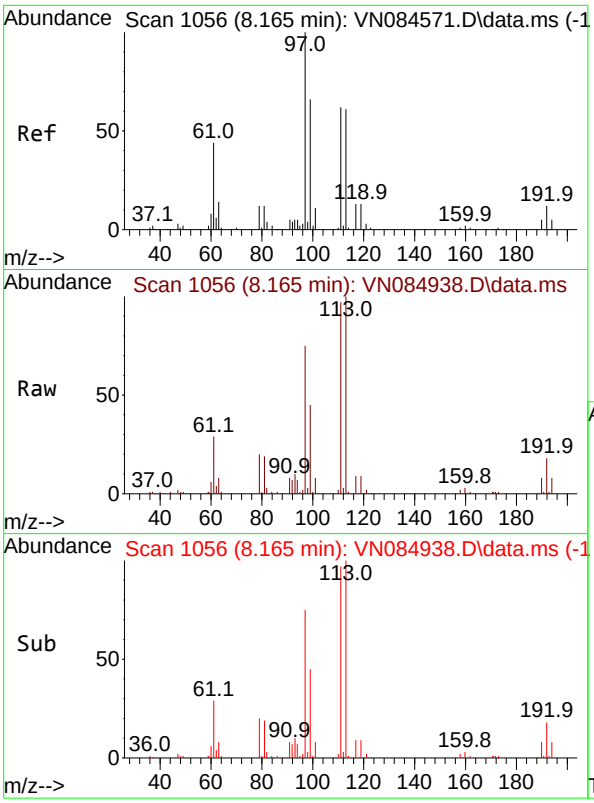


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:114 Resp: 286809

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.8
88	17.3	0.0	31.6



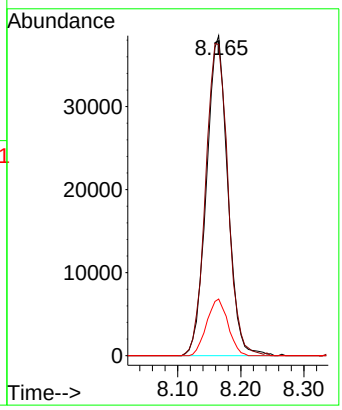


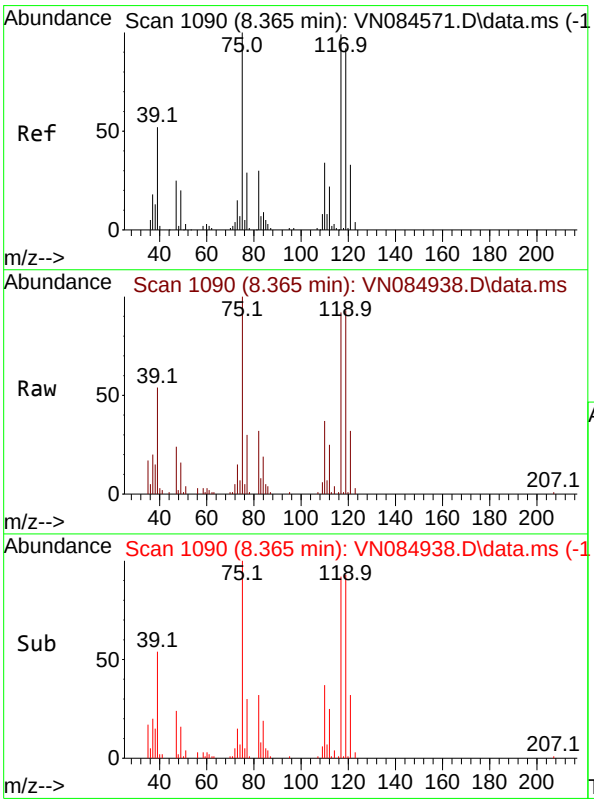
#35
Dibromofluoromethane
Concen: 46.484 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion:113 Resp: 90242

Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.3	124.9
192	17.7	13.5	20.3

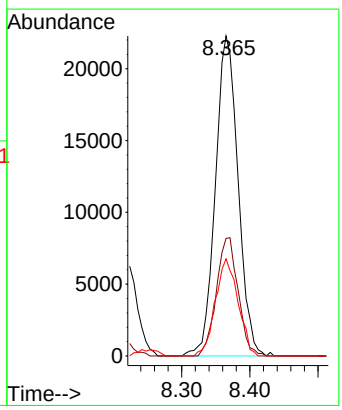


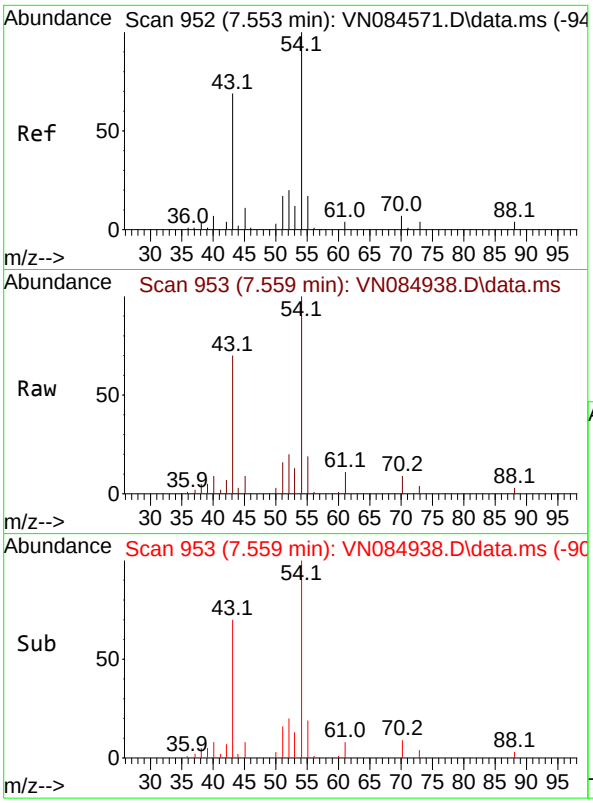


#36
1,1-Dichloropropene
Concen: 19.146 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 75 Resp: 51548

Ion	Ratio	Lower	Upper
75	100		
110	35.5	16.9	50.7
77	30.4	24.7	37.1



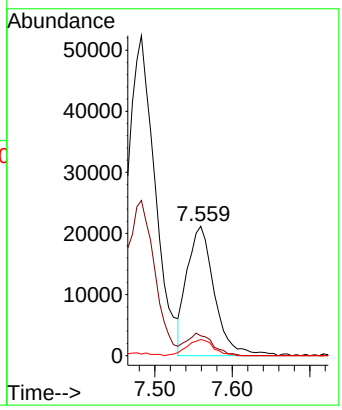


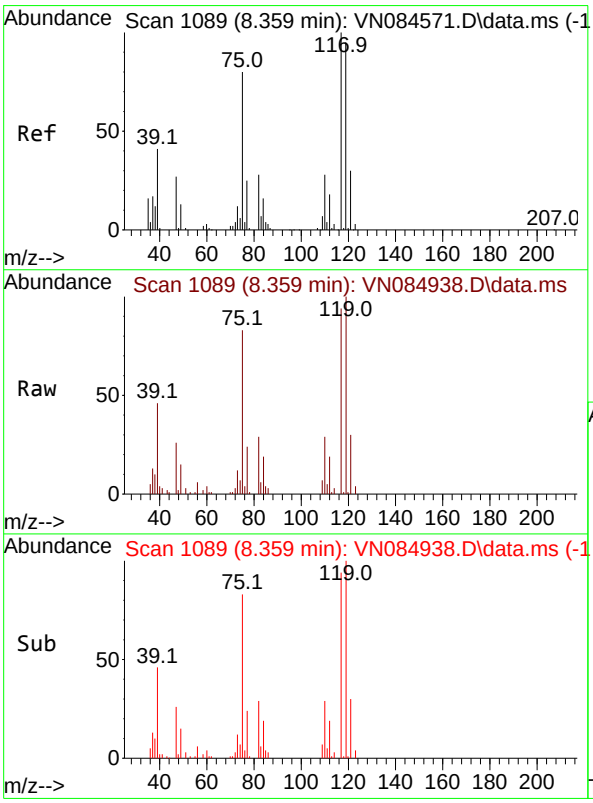
#37
Ethyl Acetate
Concen: 21.260 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion: 43 Resp: 51933

Ion	Ratio	Lower	Upper
43	100		
61	16.5	10.7	16.1#
70	12.1	8.8	13.2

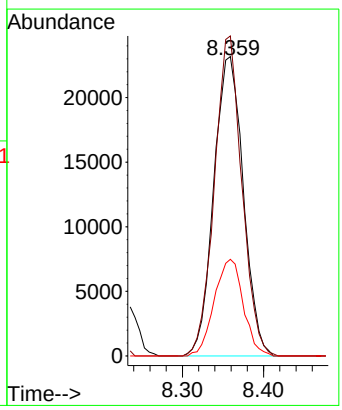


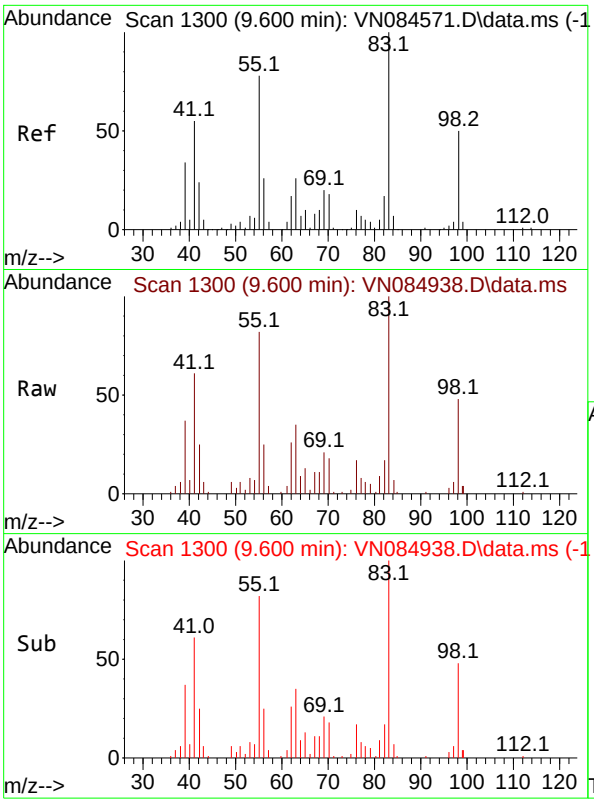


#38
Carbon Tetrachloride
Concen: 19.457 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:117 Resp: 58554

Ion	Ratio	Lower	Upper
117	100		
119	106.9	78.7	118.1
121	32.3	24.4	36.6



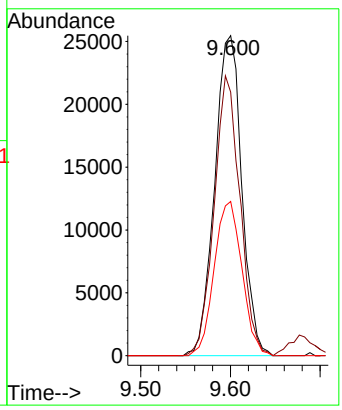


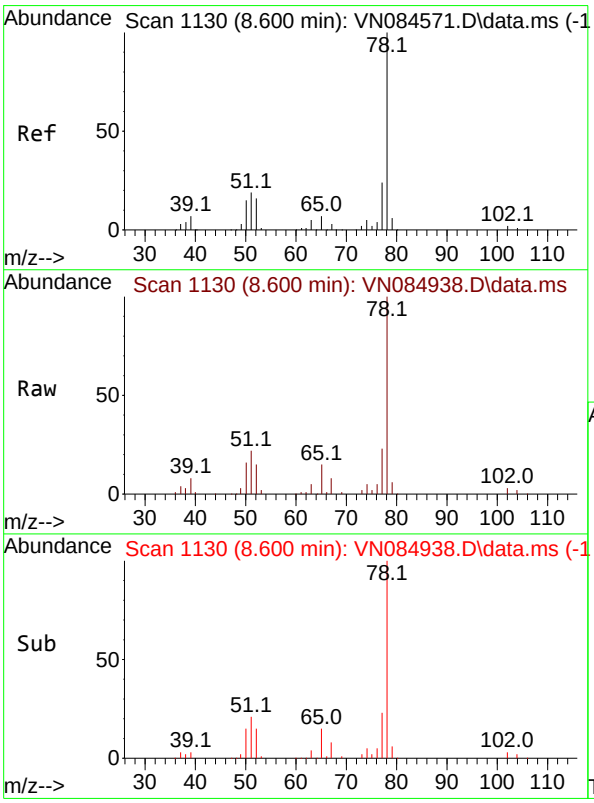
#39
Methylcyclohexane
Concen: 19.526 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion: 83 Resp: 53483

Ion	Ratio	Lower	Upper
83	100		
55	82.3	62.8	94.2
98	48.2	38.8	58.2

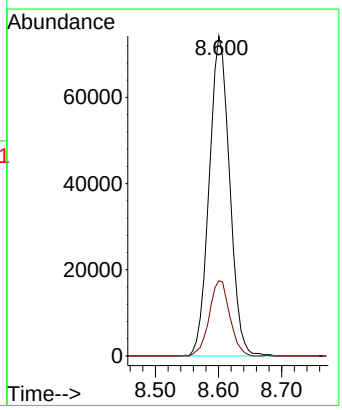


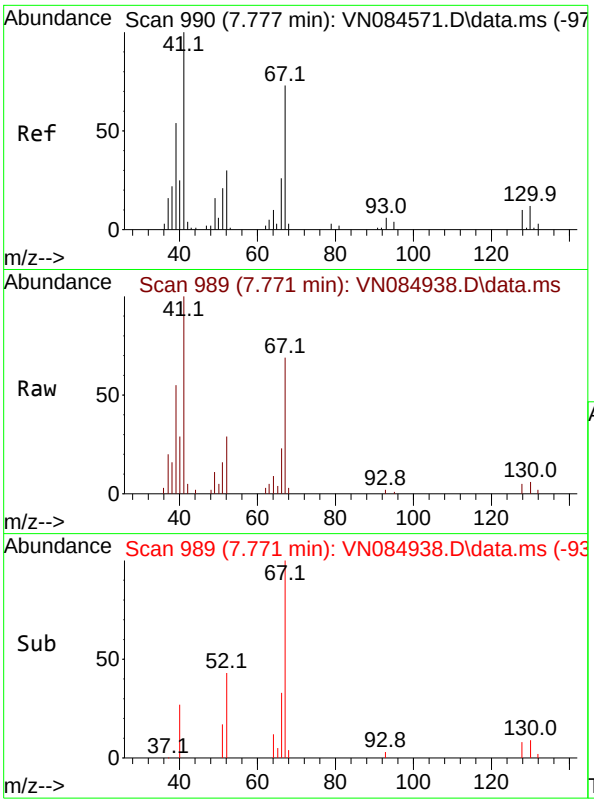


#40
Benzene
Concen: 19.284 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 78 Resp: 166743

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7



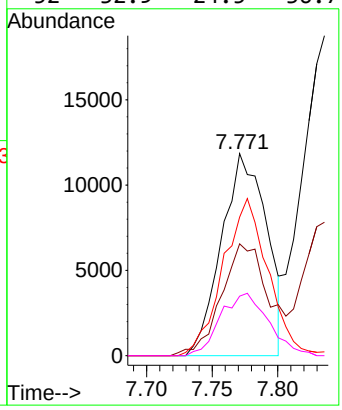


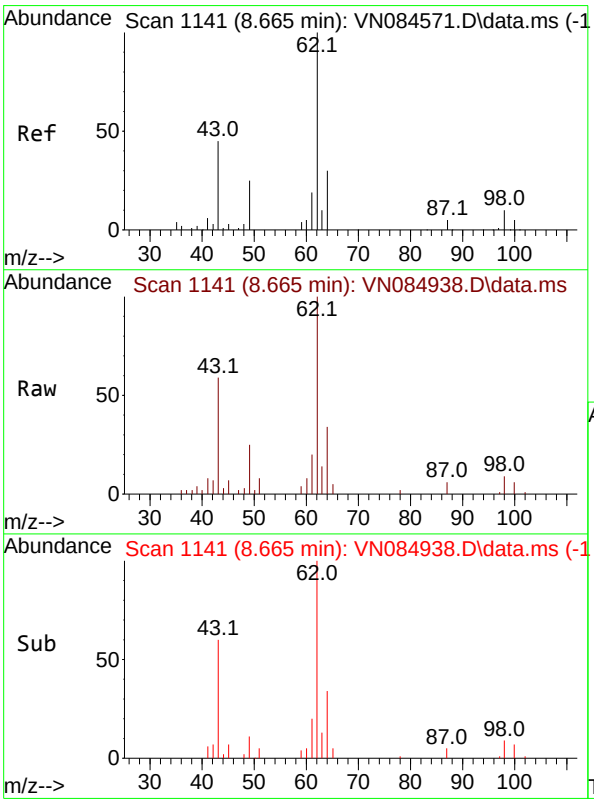
#41
Methacrylonitrile
Concen: 21.561 ug/l
RT: 7.771 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion: 41 Resp: 28323

Ion	Ratio	Lower	Upper
41	100		
39	57.9	43.3	64.9
67	77.8	56.1	84.1
52	32.9	24.5	36.7

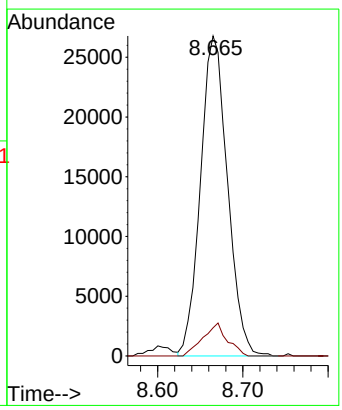


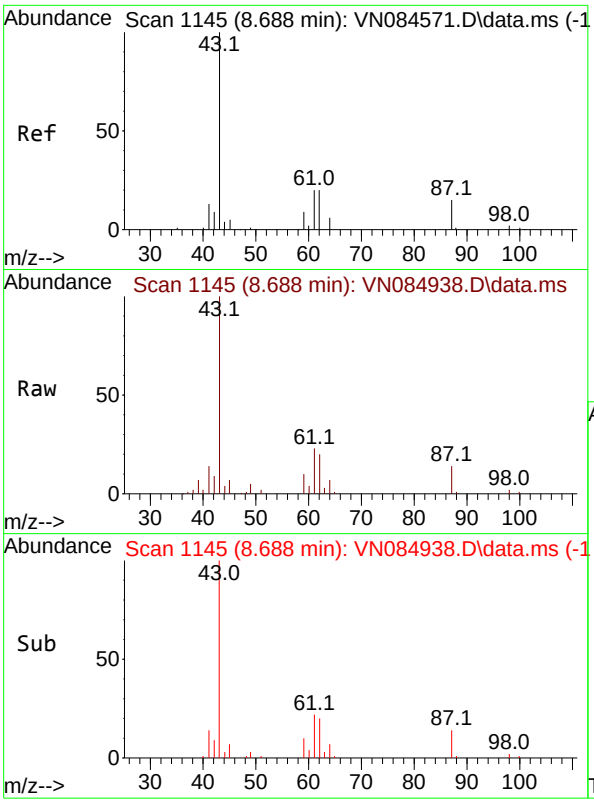


#42
1,2-Dichloroethane
Concen: 21.093 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 62 Resp: 59066

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2



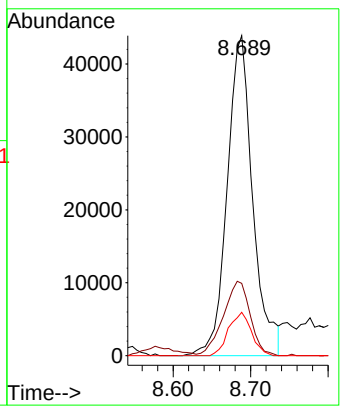


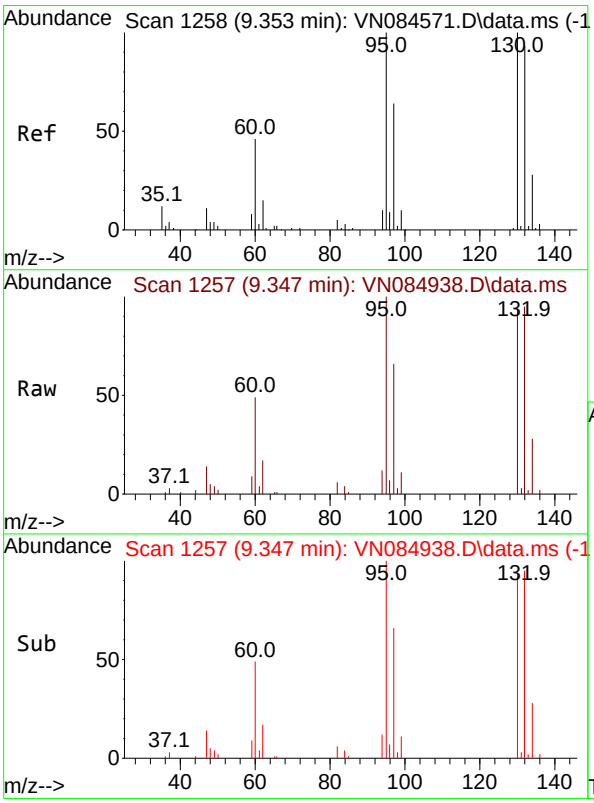
#43
Isopropyl Acetate
Concen: 21.807 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion: 43 Resp: 100867

Ion	Ratio	Lower	Upper
43	100		
61	24.5	20.4	30.6
87	12.2	10.3	15.5

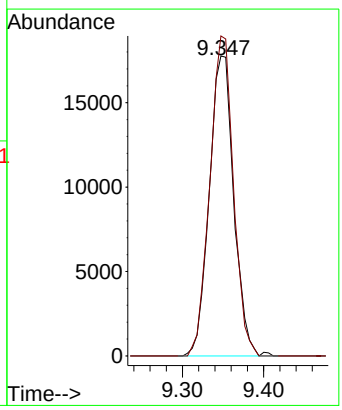


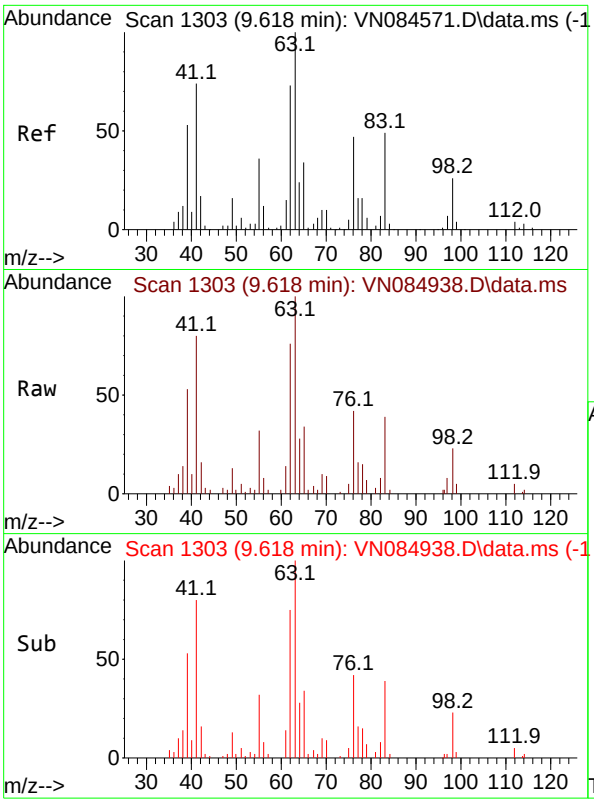


#44
Trichloroethene
Concen: 18.673 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:130 Resp: 37236

Ion	Ratio	Lower	Upper
130	100		
95	106.7	0.0	203.0



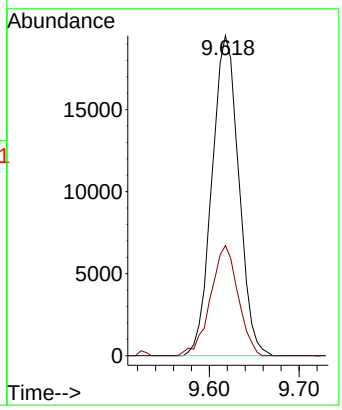


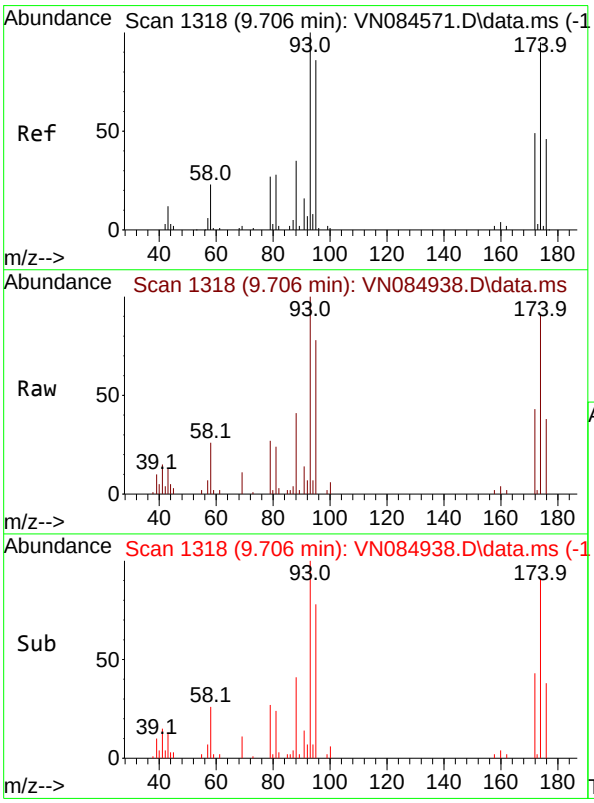
#45
1,2-Dichloropropane
Concen: 19.917 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion: 63 Resp: 40398

Ion	Ratio	Lower	Upper
63	100		
65	34.4	24.6	37.0

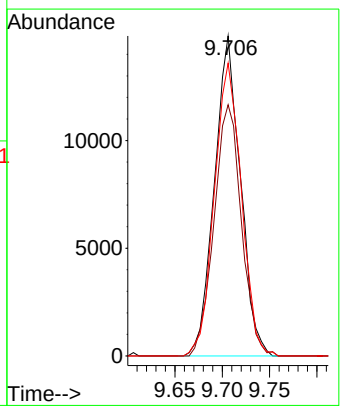


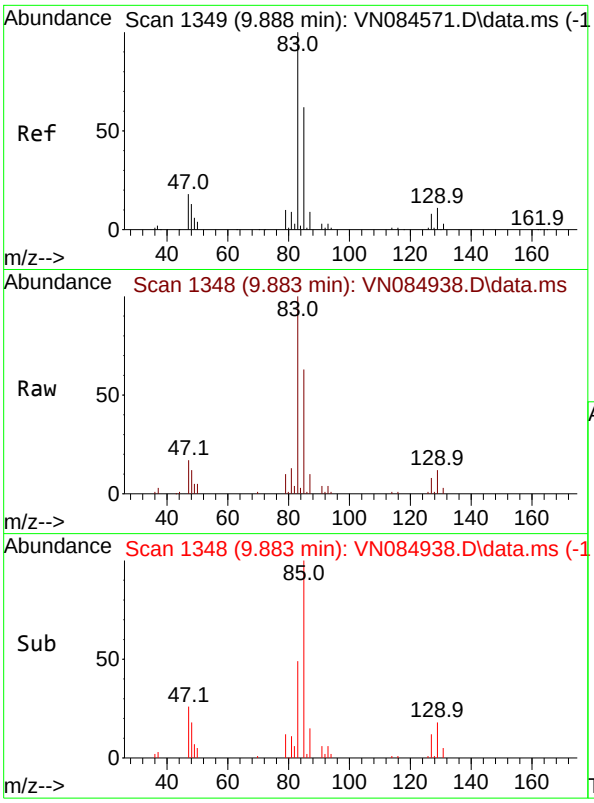


#46
Dibromomethane
Concen: 19.836 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 93 Resp: 28390

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.0	97.4
174	95.1	71.8	107.8



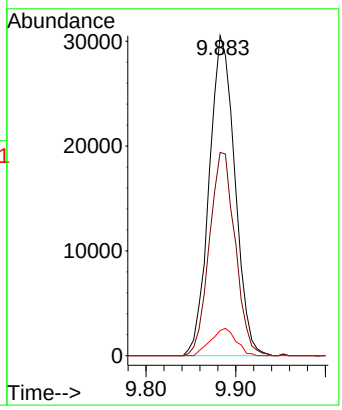


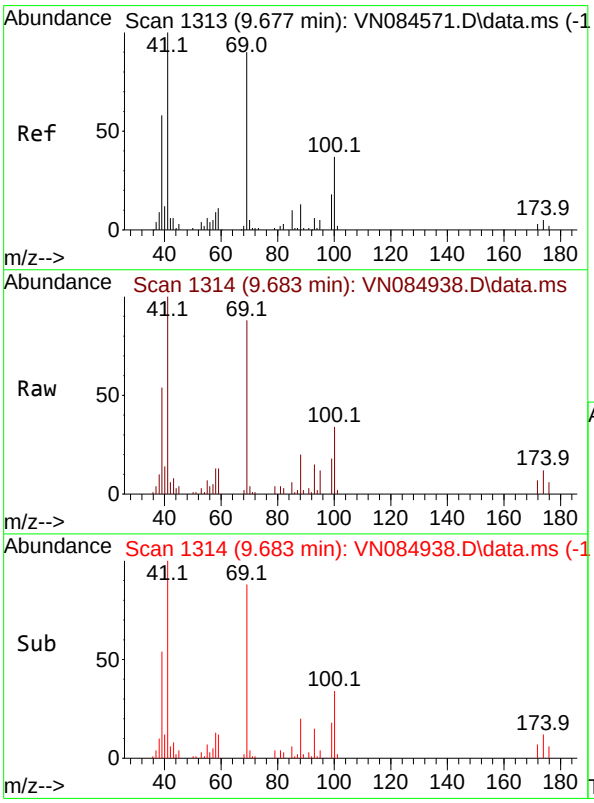
#47
Bromodichloromethane
Concen: 20.115 ug/l
RT: 9.883 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion: 83 Resp: 60687

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.5	77.3
127	7.9	5.7	8.5

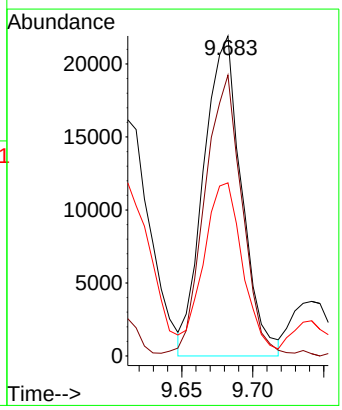


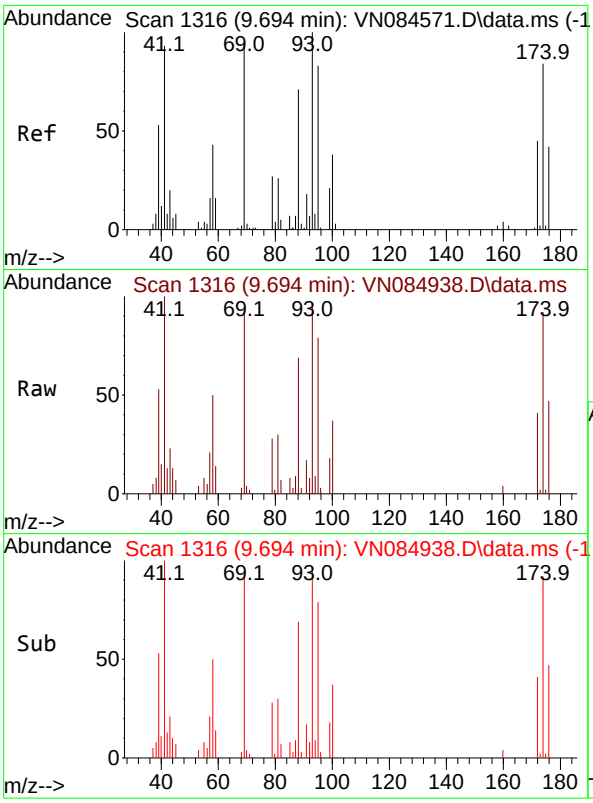


#48
Methyl methacrylate
Concen: 21.432 ug/l
RT: 9.683 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 41 Resp: 40746

Ion	Ratio	Lower	Upper
41	100		
69	87.2	67.1	100.7
39	56.6	45.8	68.6



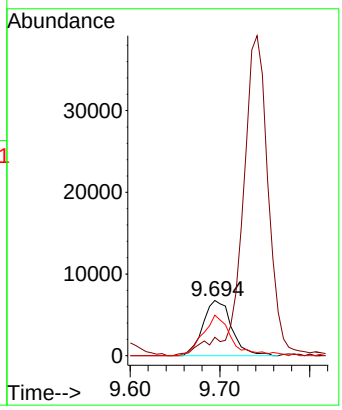


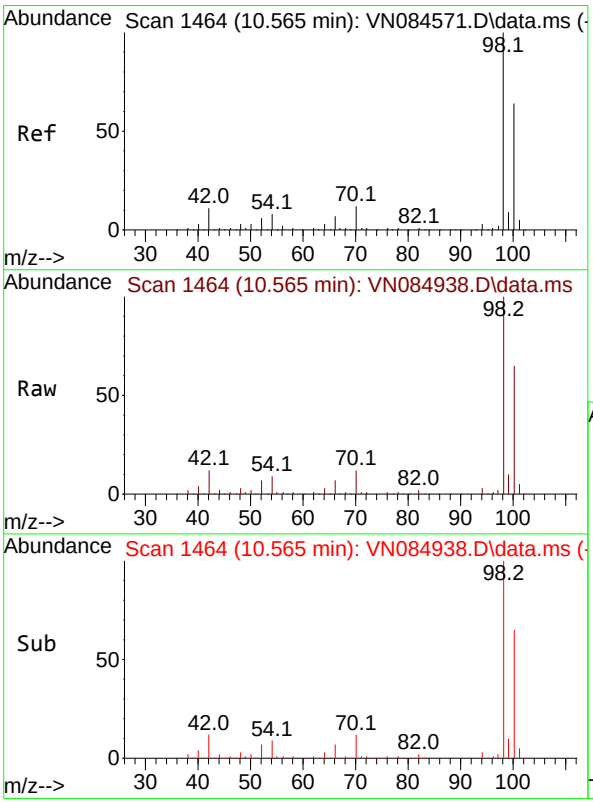
#49
1,4-Dioxane
Concen: 446.038 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion: 88 Resp: 15027

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	72.9	56.4	84.6

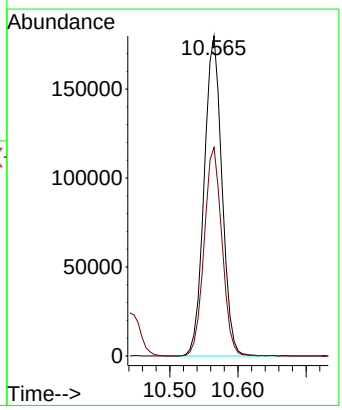


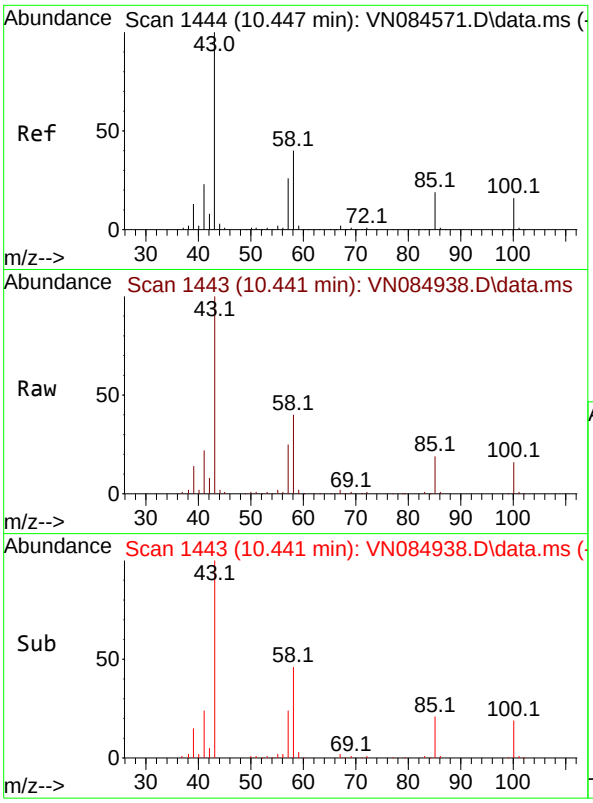


#50
Toluene-d8
Concen: 45.579 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 98 Resp: 325946

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.7	79.1



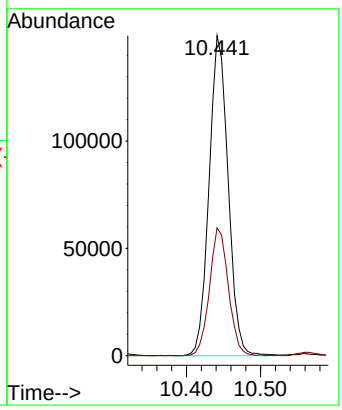


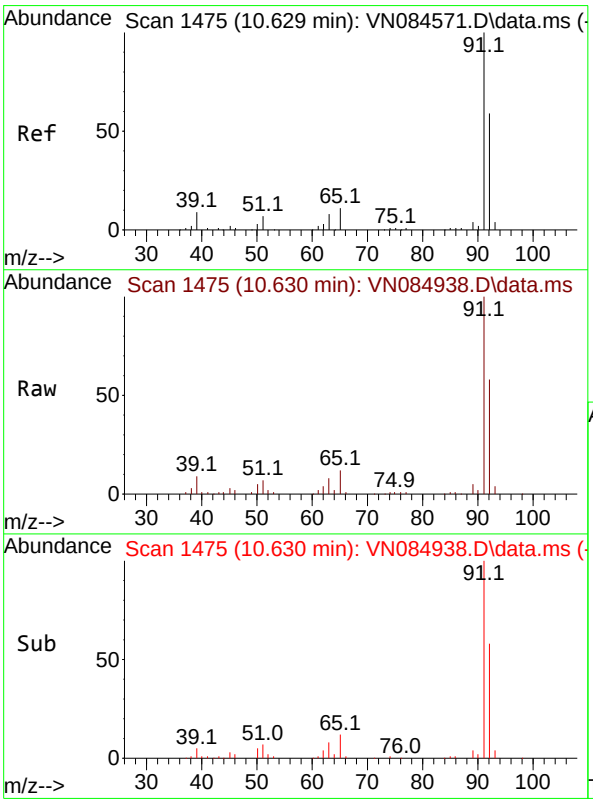
#51
4-Methyl-2-Pentanone
Concen: 114.312 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion: 43 Resp: 266202

Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.6	47.4

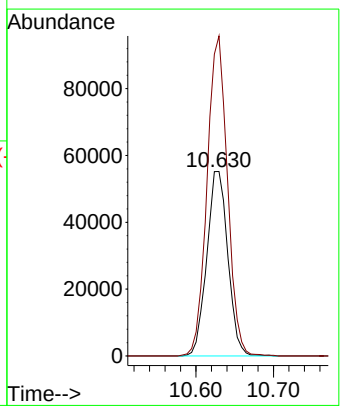


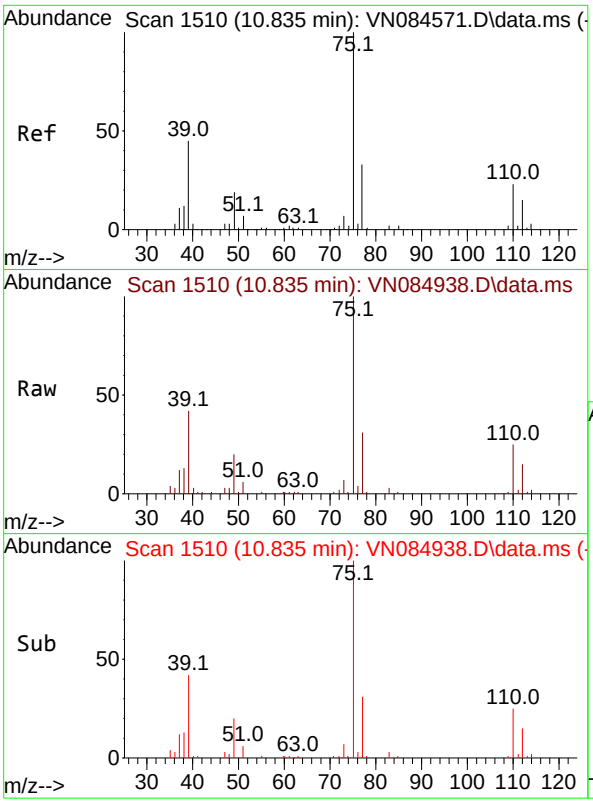


#52
Toluene
Concen: 20.606 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 92 Resp: 104204

Ion	Ratio	Lower	Upper
92	100		
91	168.1	137.3	205.9



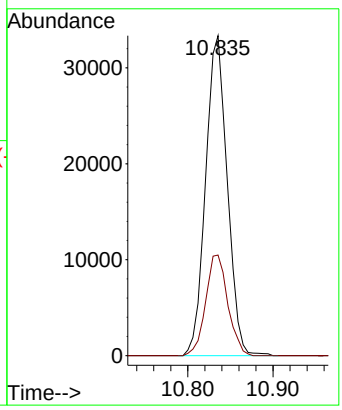


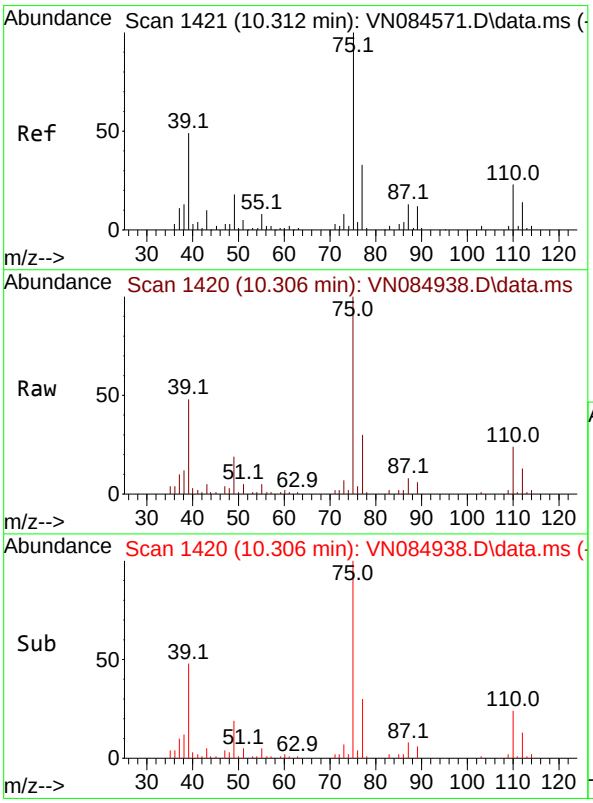
#53
t-1,3-Dichloropropene
Concen: 18.856 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion: 75 Resp: 58885

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0

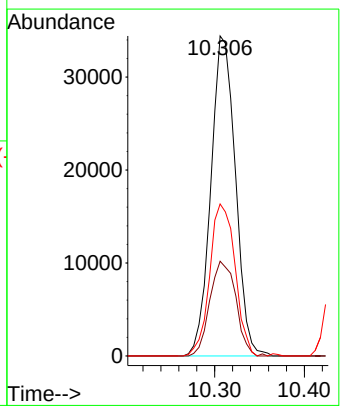


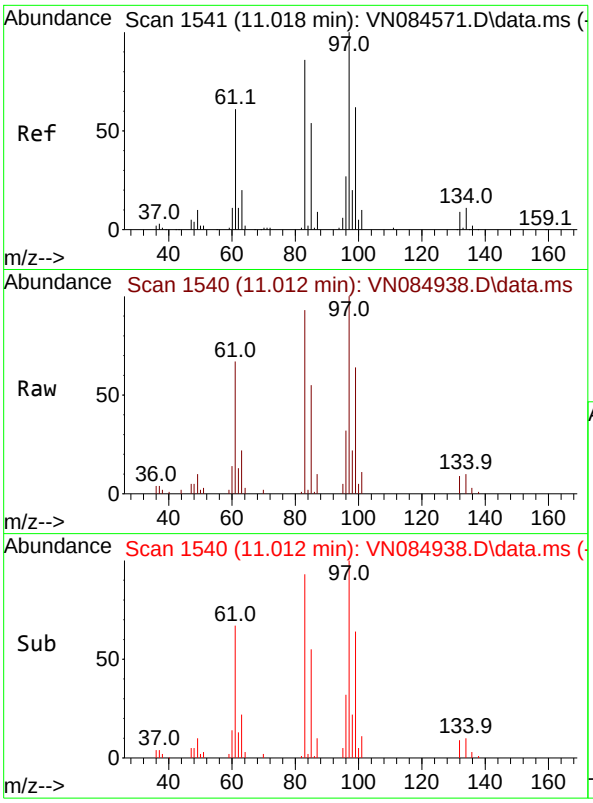


#54
cis-1,3-Dichloropropene
Concen: 19.793 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 75 Resp: 65422

Ion	Ratio	Lower	Upper
75	100		
77	29.6	24.2	36.2
39	47.5	38.7	58.1



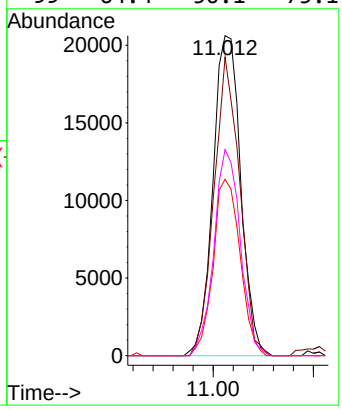


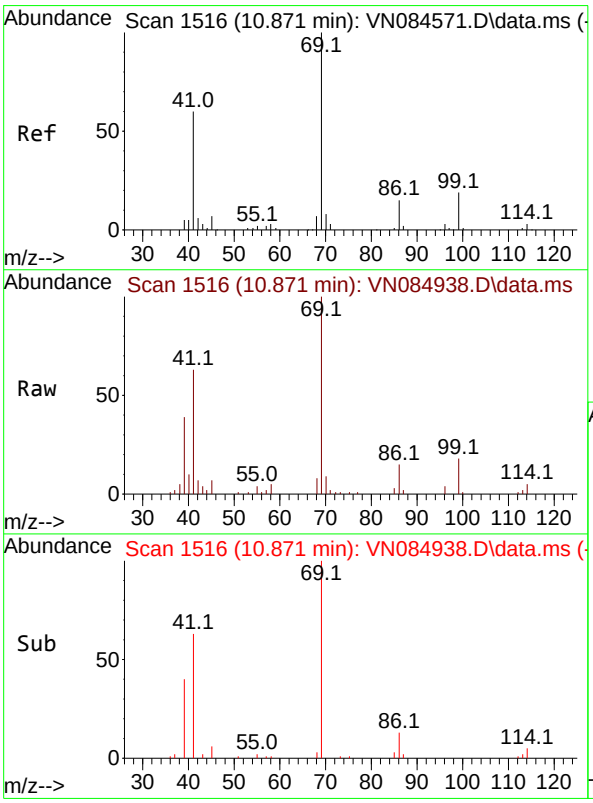
#55
1,1,2-Trichloroethane
Concen: 20.781 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion: 97 Resp: 39586

Ion	Ratio	Lower	Upper
97	100		
83	93.3	71.0	106.4
85	55.1	41.7	62.5
99	64.4	50.1	75.1

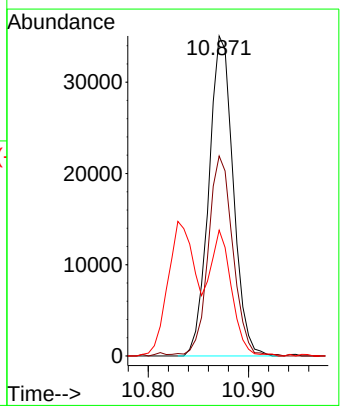


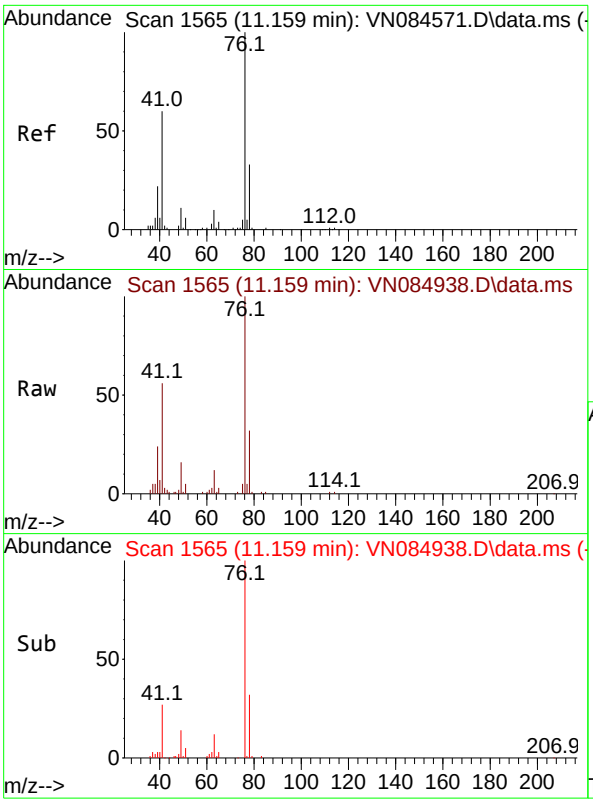


#56
Ethyl methacrylate
Concen: 21.545 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 69 Resp: 59364

Ion	Ratio	Lower	Upper
69	100		
41	63.3	53.3	79.9
39	35.6	28.8	43.2



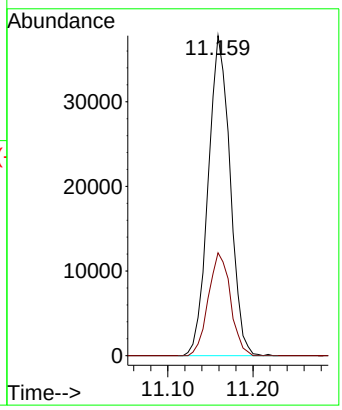


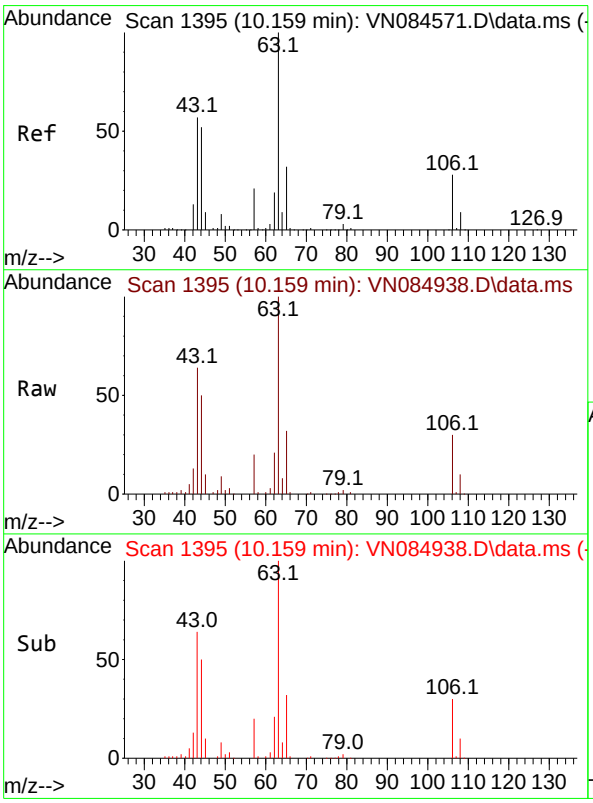
#57
1,3-Dichloropropane
Concen: 20.603 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion: 76 Resp: 67357

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6

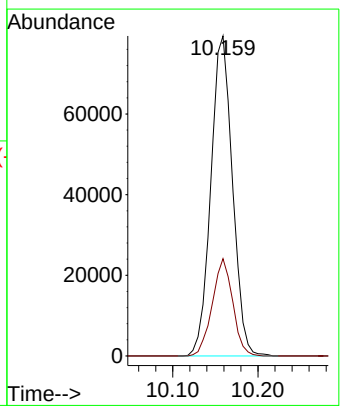


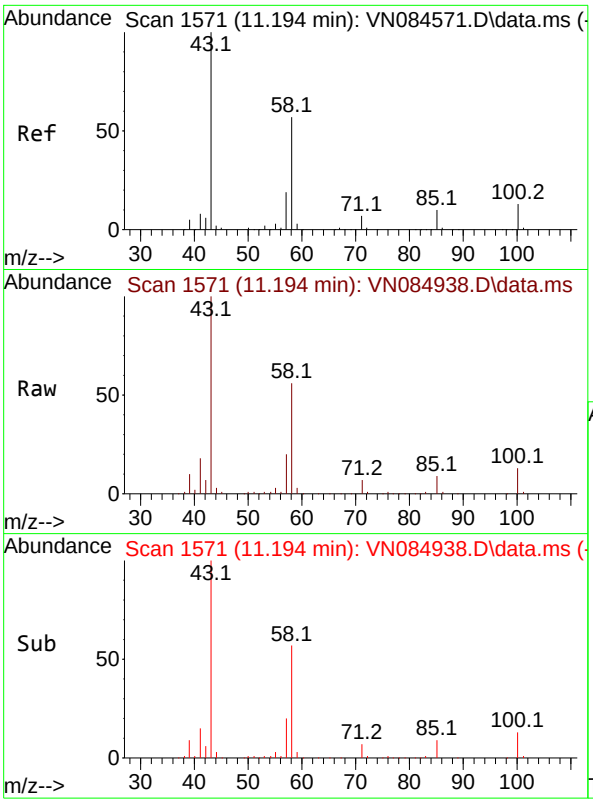


#58
2-Chloroethyl Vinyl ether
Concen: 108.511 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 63 Resp: 139905

Ion	Ratio	Lower	Upper
63	100		
106	28.7	21.8	32.6



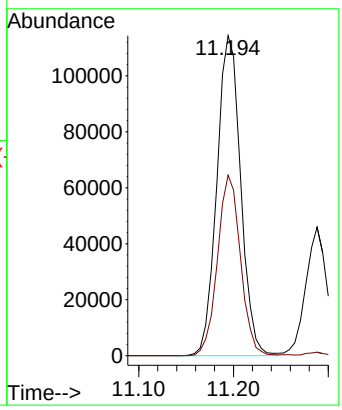


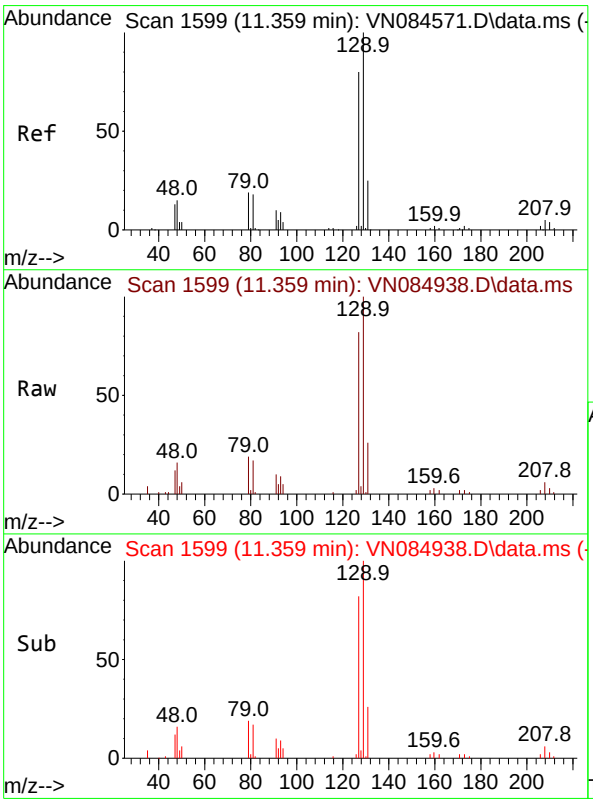
#59
2-Hexanone
Concen: 117.979 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion: 43 Resp: 199980

Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.3	81.8

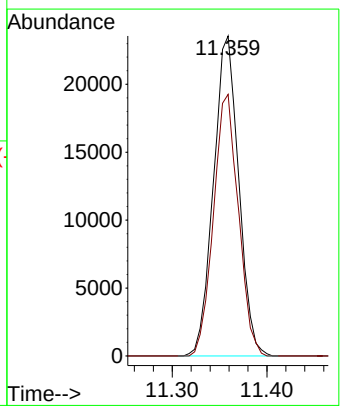


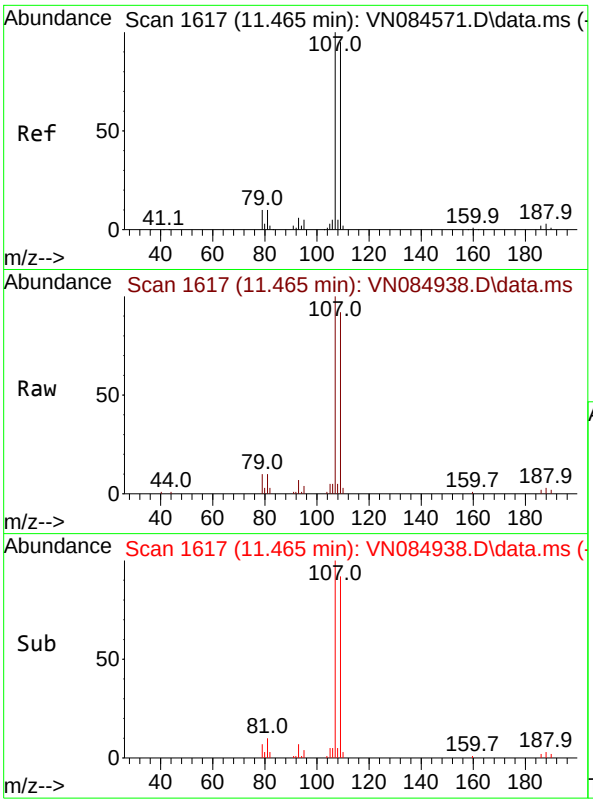


#60
Dibromochloromethane
Concen: 20.043 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:129 Resp: 43514

Ion	Ratio	Lower	Upper
129	100		
127	80.8	38.3	114.9



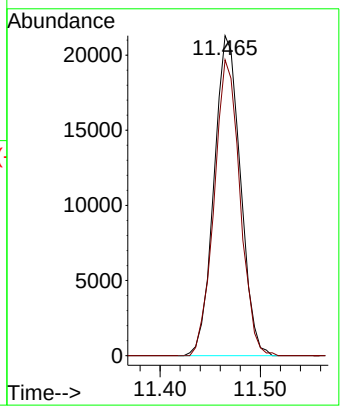


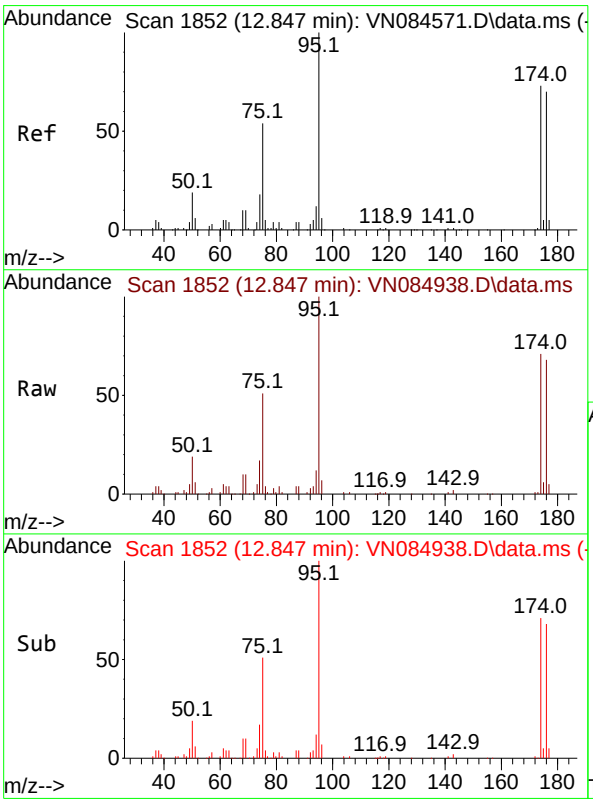
#61
1,2-Dibromoethane
Concen: 19.935 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion:107 Resp: 38886

Ion	Ratio	Lower	Upper
107	100		
109	90.6	75.4	113.0

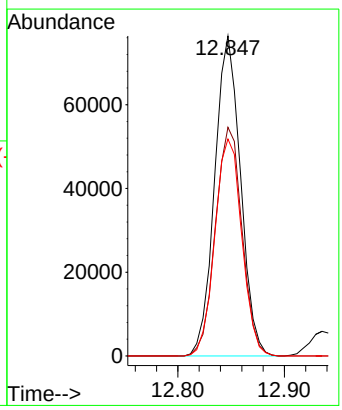


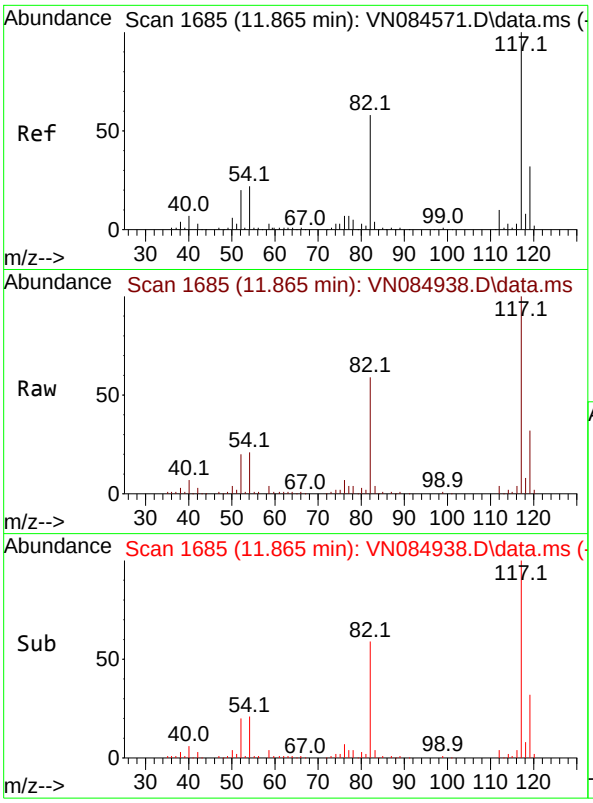


#62
4-Bromofluorobenzene
Concen: 48.202 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 95 Resp: 128829

Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	145.2
176	70.5	0.0	140.0



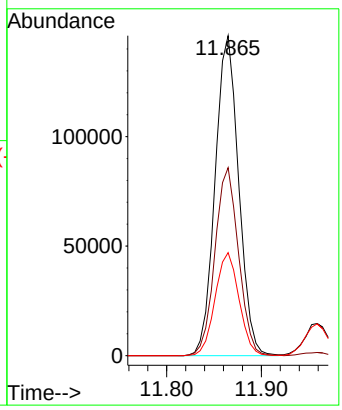


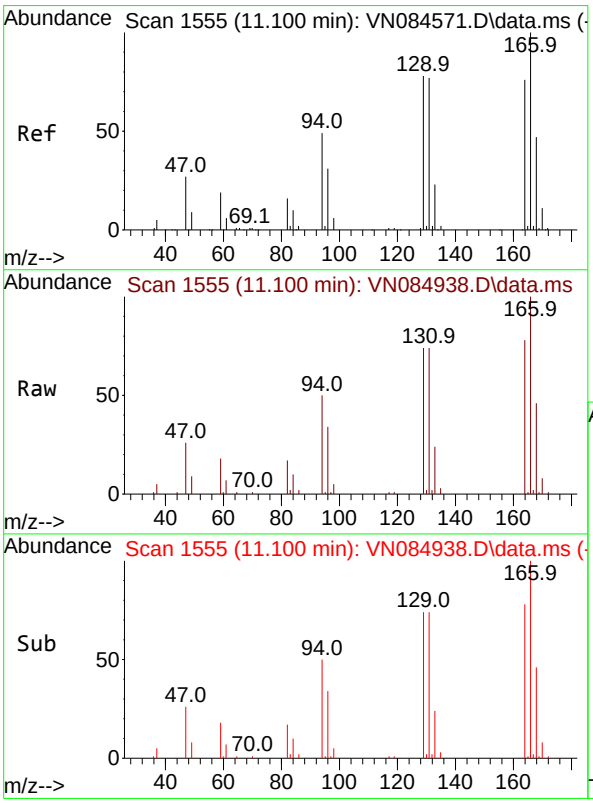
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion:117 Resp: 252679

Ion	Ratio	Lower	Upper
117	100		
82	58.8	47.2	70.8
119	32.2	25.4	38.0

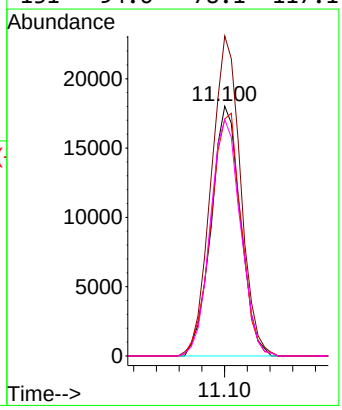


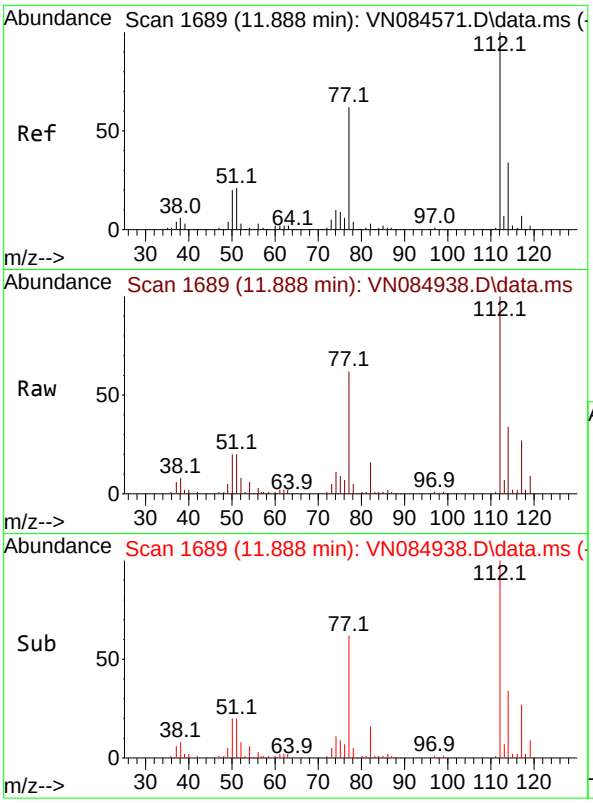


#64
Tetrachloroethene
Concen: 19.153 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:164 Resp: 32191

Ion	Ratio	Lower	Upper
164	100		
166	128.1	101.0	151.4
129	94.9	80.8	121.2
131	94.6	78.1	117.1



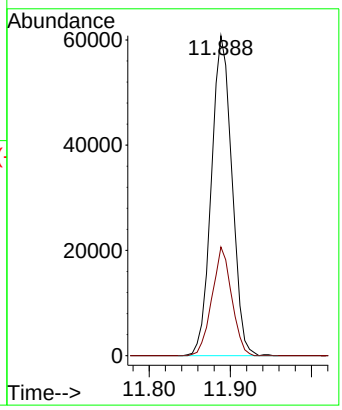


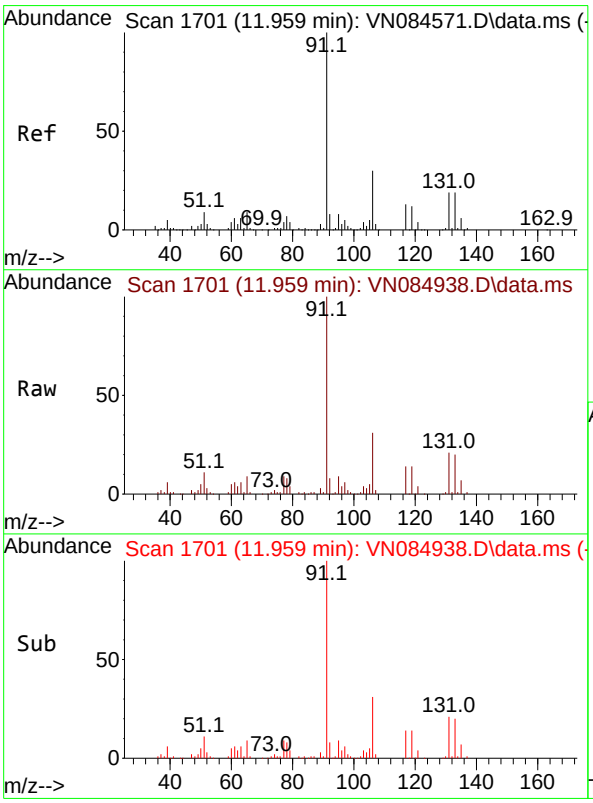
#65
Chlorobenzene
Concen: 18.939 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion:112 Resp: 107058

Ion	Ratio	Lower	Upper
112	100		
114	34.0	27.0	40.6

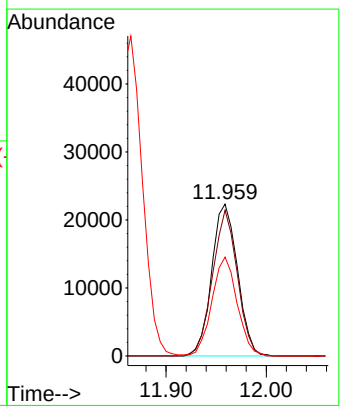


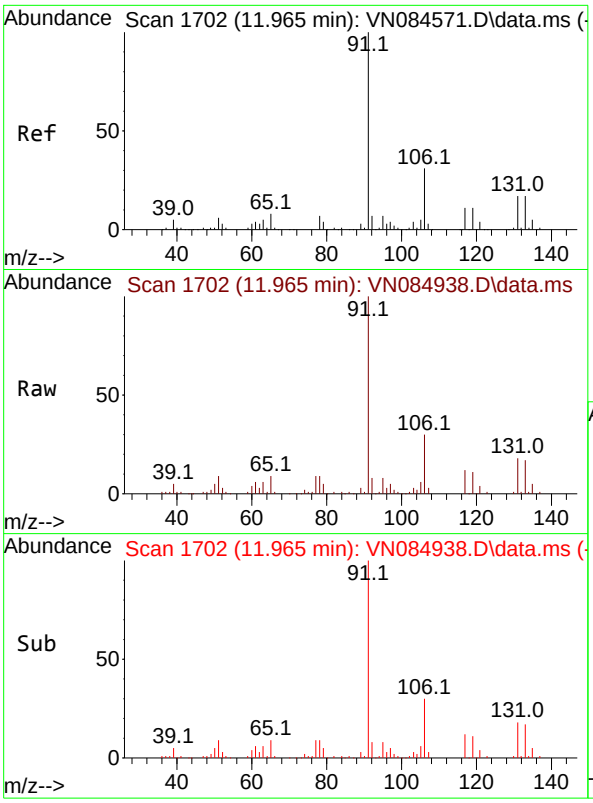


#66
1,1,1,2-Tetrachloroethane
Concen: 20.291 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:131 Resp: 39898

Ion	Ratio	Lower	Upper
131	100		
133	92.5	47.9	143.7
119	63.9	32.8	98.3



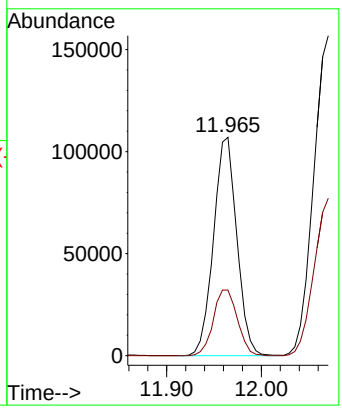


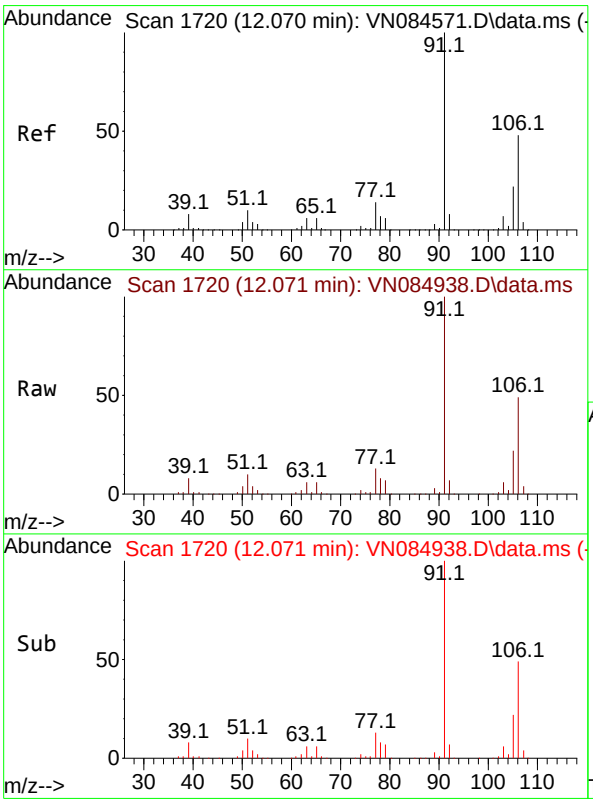
#67
Ethyl Benzene
Concen: 19.439 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion: 91 Resp: 183422

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.5	36.7

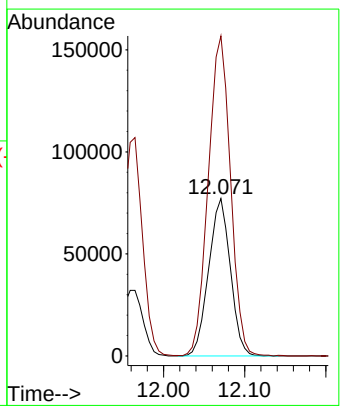


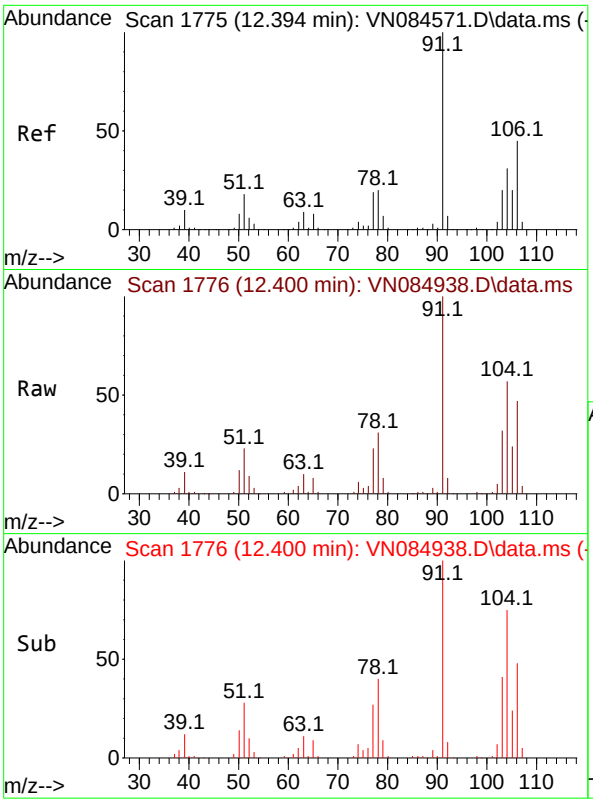


#68
m/p-Xylenes
Concen: 40.117 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:106 Resp: 143310

Ion	Ratio	Lower	Upper
106	100		
91	208.5	167.1	250.7



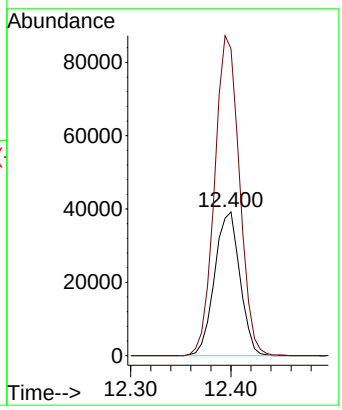


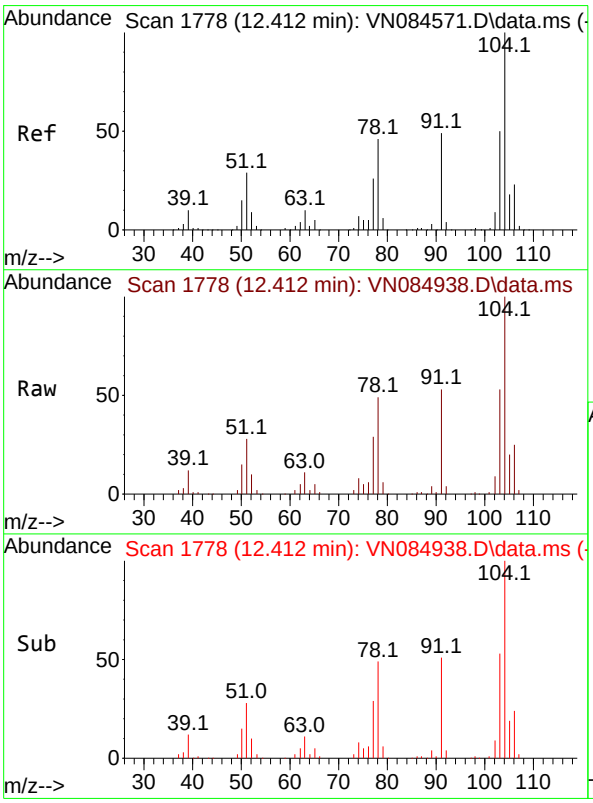
#69
o-Xylene
Concen: 20.606 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion:106 Resp: 68863

Ion	Ratio	Lower	Upper
106	100		
91	218.6	110.2	330.6

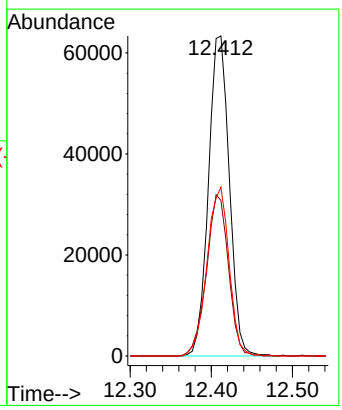


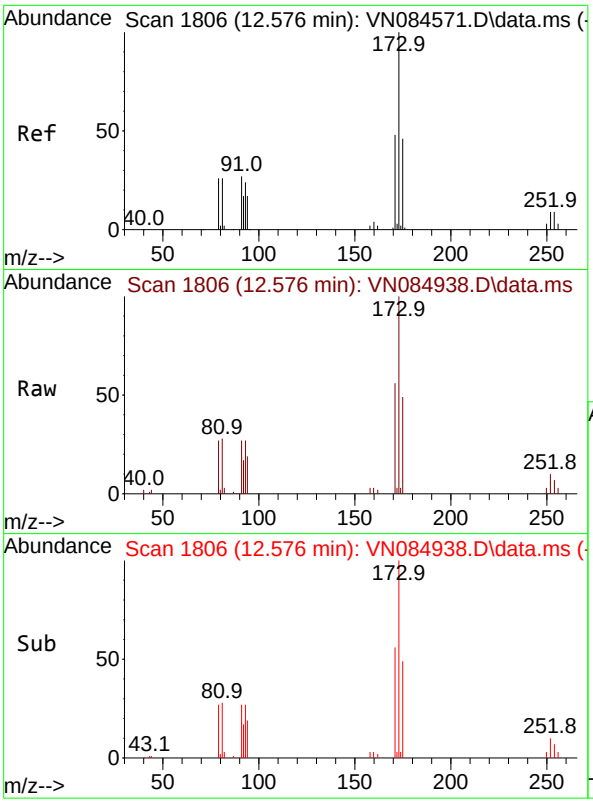


#70
Styrene
Concen: 19.406 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:104 Resp: 113129

Ion	Ratio	Lower	Upper
104	100		
78	53.1	42.7	64.1
103	55.8	43.6	65.4



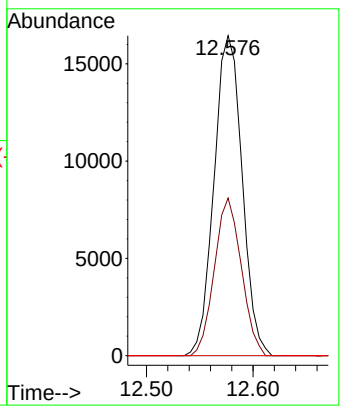


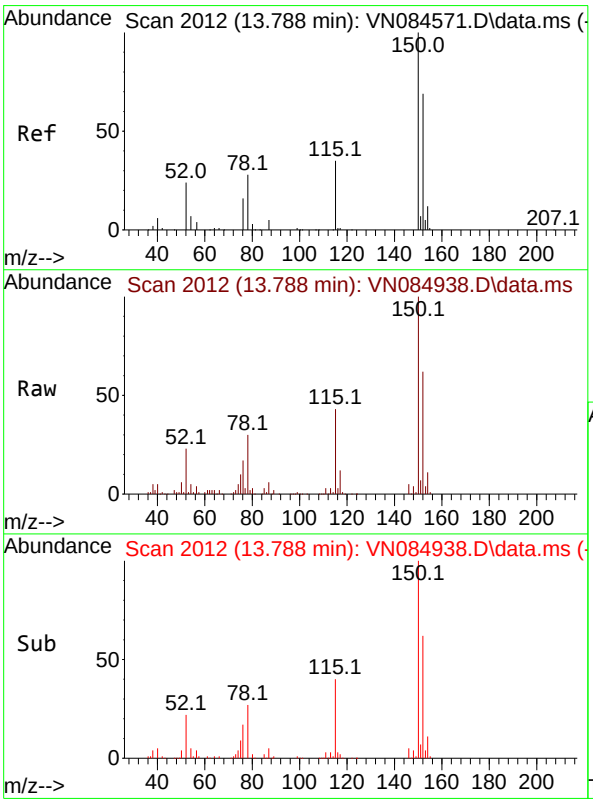
#71
Bromoform
Concen: 20.345 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion:173 Resp: 30101

Ion	Ratio	Lower	Upper
173	100		
175	47.2	23.5	70.6
254	0.0	0.0	0.0

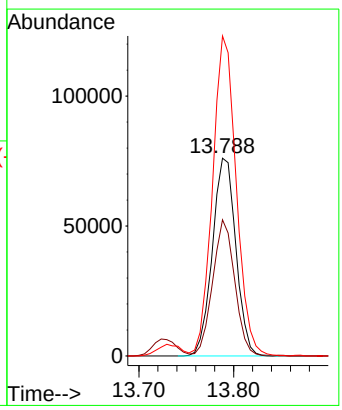


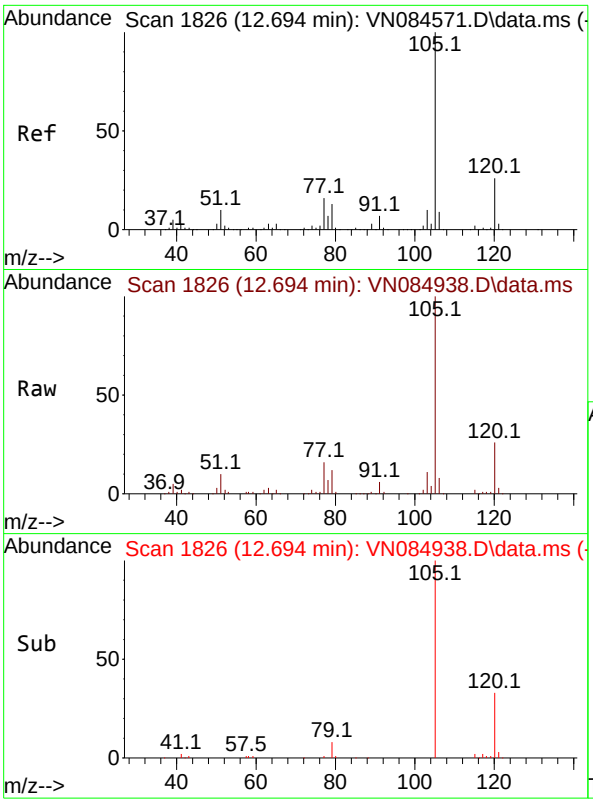


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:152 Resp: 131165

Ion	Ratio	Lower	Upper
152	100		
115	64.8	31.3	93.9
150	163.2	0.0	349.8



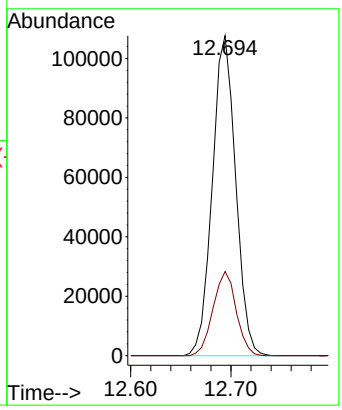


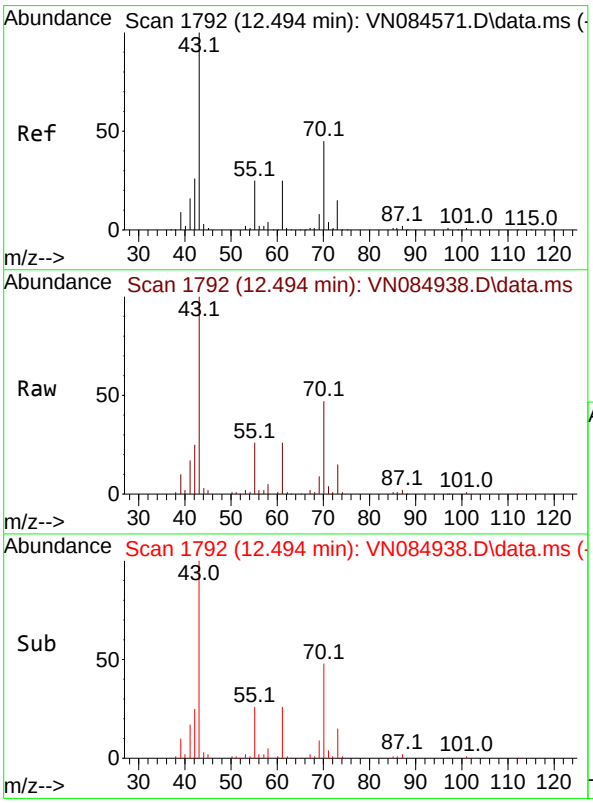
#73
Isopropylbenzene
Concen: 18.929 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion:105 Resp: 173994

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.9	38.7

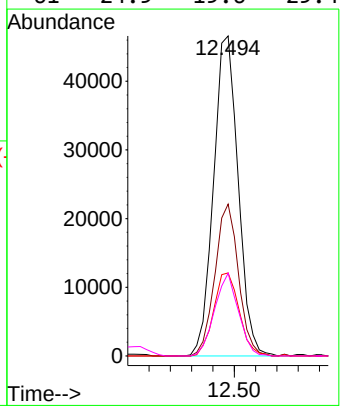


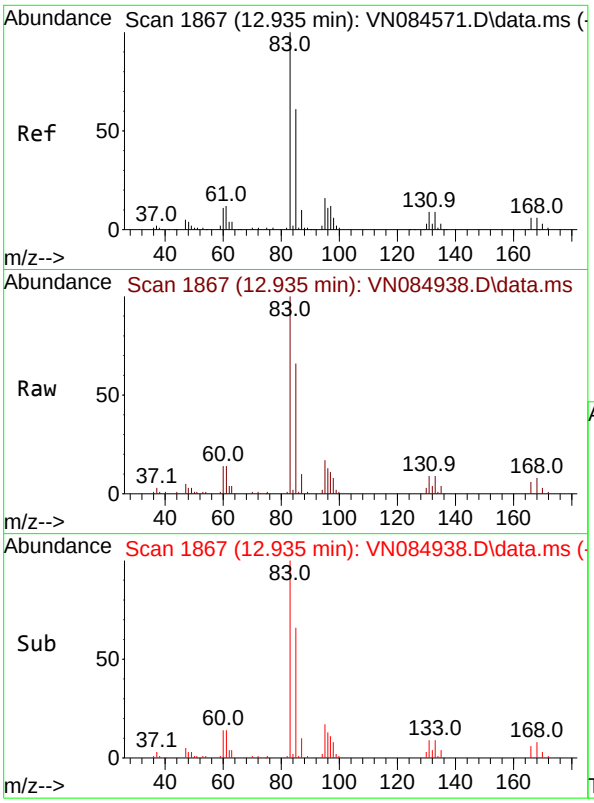


#74
N-amyl acetate
Concen: 19.078 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 43 Resp: 74637

Ion	Ratio	Lower	Upper
43	100		
70	45.5	34.4	51.6
55	26.9	19.6	29.4
61	24.9	19.6	29.4



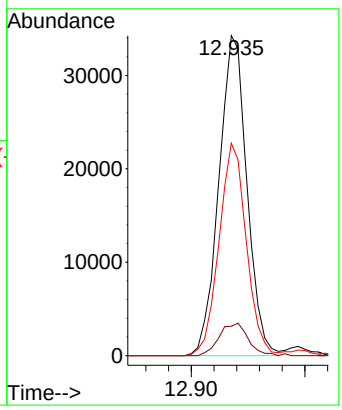


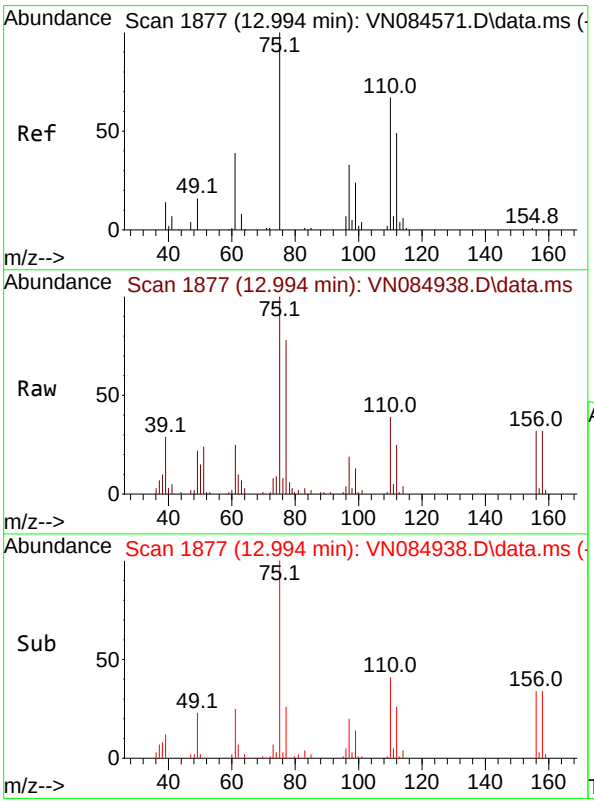
#75
1,1,2,2-Tetrachloroethane
Concen: 19.158 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion: 83 Resp: 58779

Ion	Ratio	Lower	Upper
83	100		
131	10.6	4.9	14.7
85	64.5	31.9	95.7

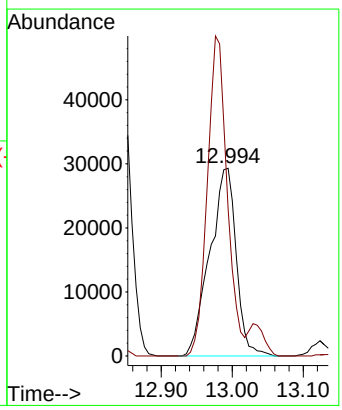


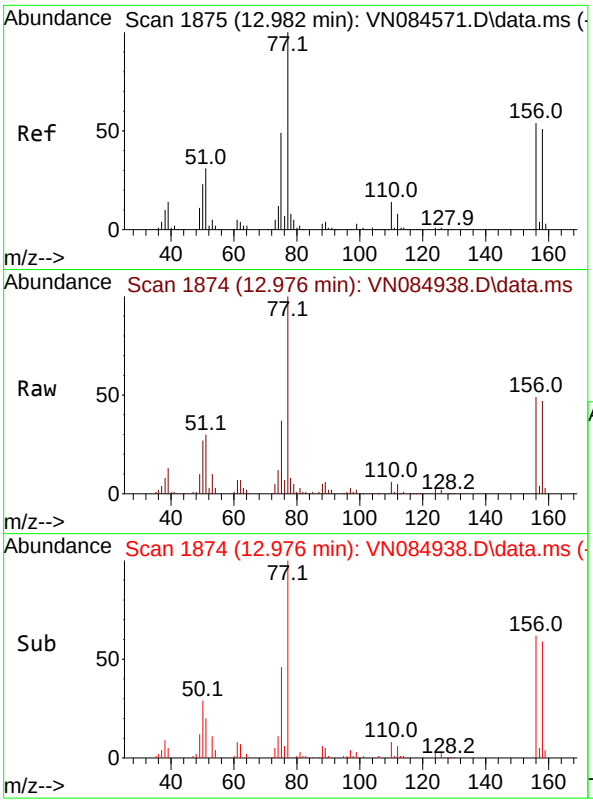


#76
1,2,3-Trichloropropane
Concen: 28.857 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 75 Resp: 75660

Ion	Ratio	Lower	Upper
75	100		
77	128.3	96.9	290.7



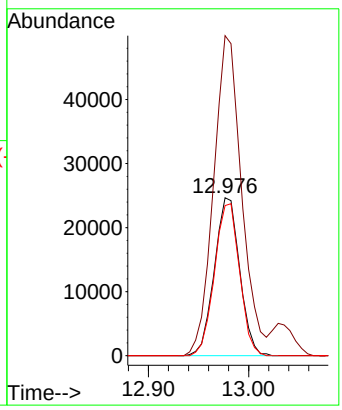


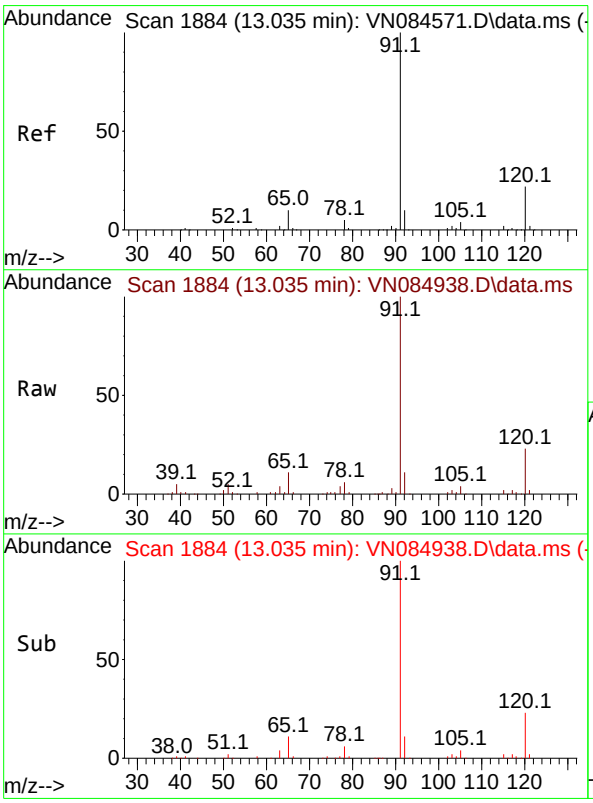
#77
Bromobenzene
Concen: 17.496 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion:156 Resp: 43232

Ion	Ratio	Lower	Upper
156	100		
77	224.5	115.1	345.3
158	95.2	48.9	146.8

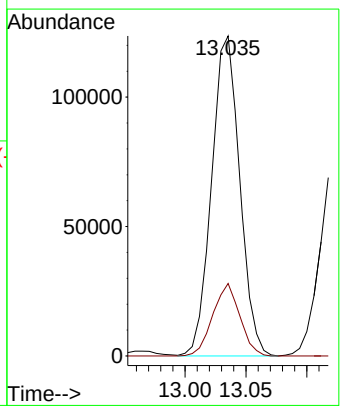


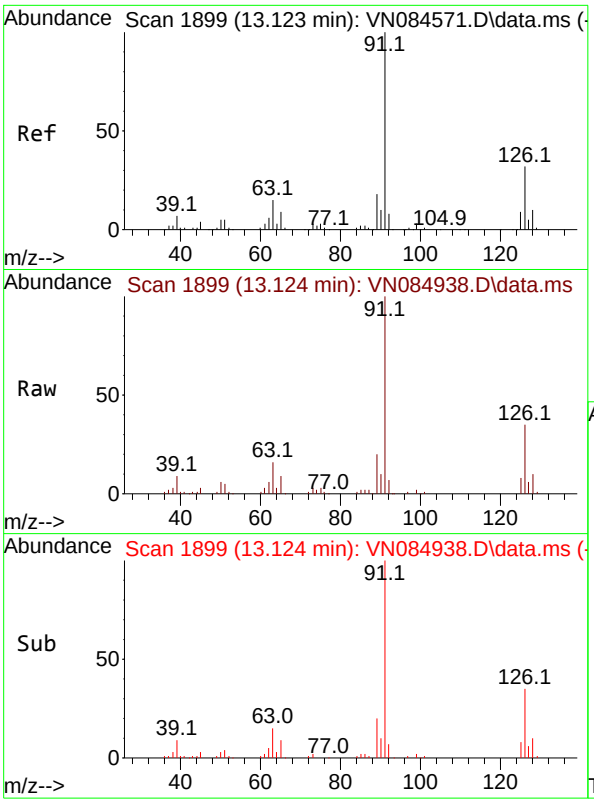


#78
n-propylbenzene
Concen: 18.484 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 91 Resp: 199093

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.4



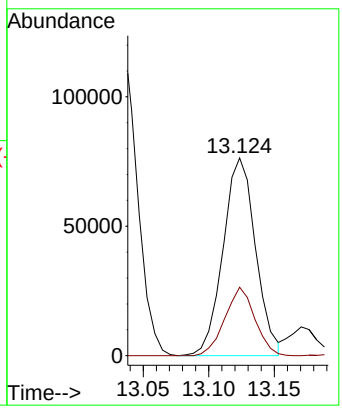


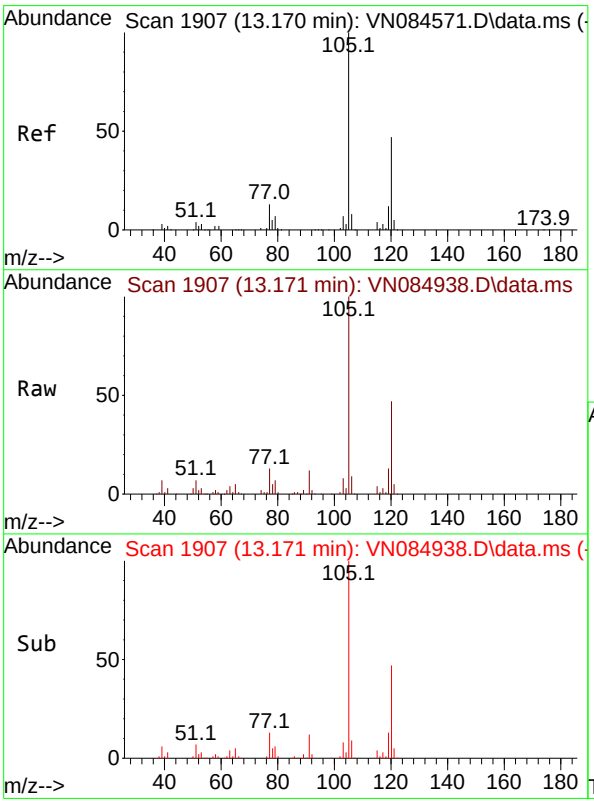
#79
2-Chlorotoluene
Concen: 18.762 ug/l
RT: 13.124 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion: 91 Resp: 132044

Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.7	47.1

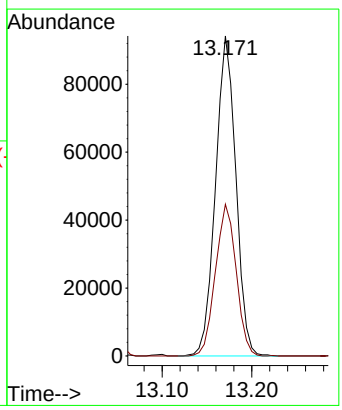


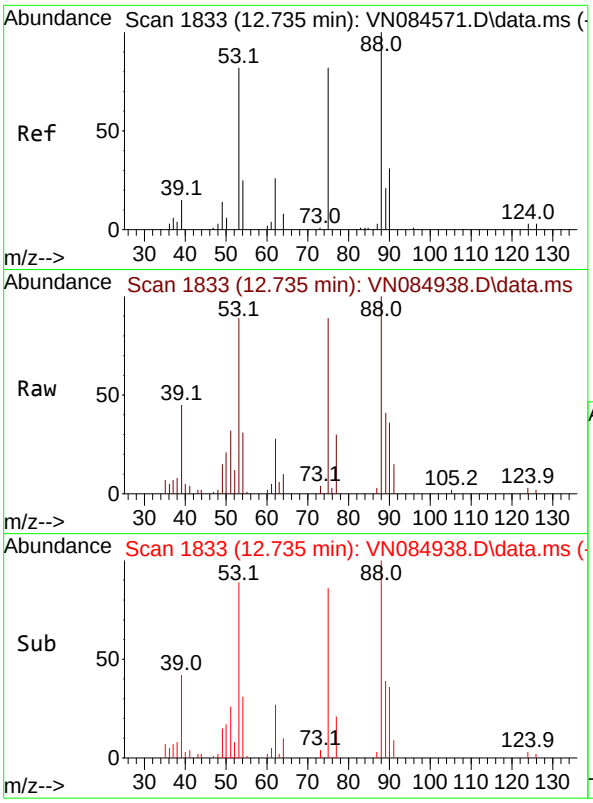


#80
1,3,5-Trimethylbenzene
Concen: 19.429 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:105 Resp: 148018

Ion	Ratio	Lower	Upper
105	100		
120	48.4	23.7	71.1



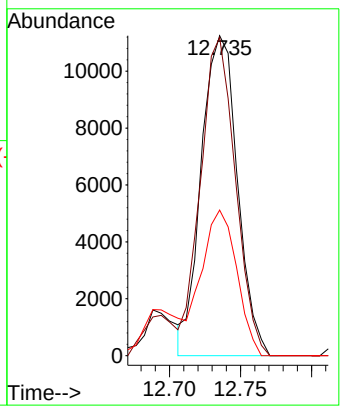


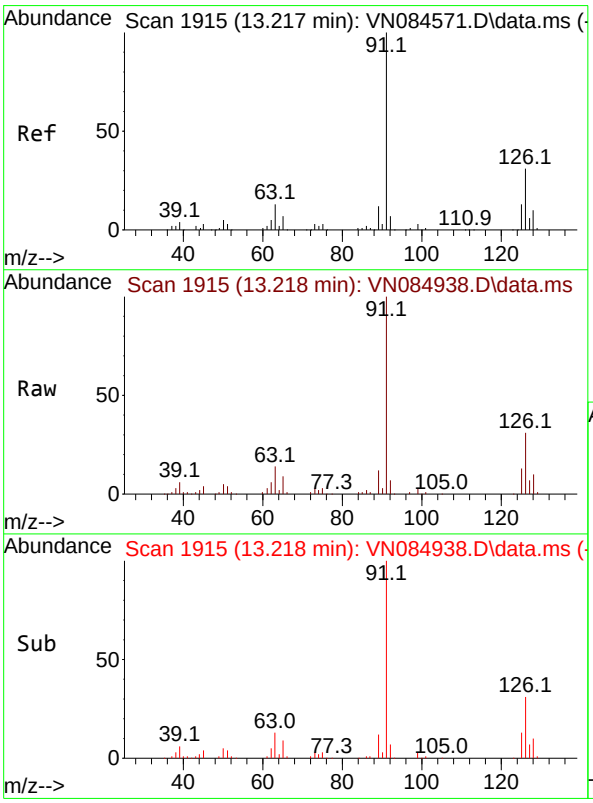
#81
trans-1,4-Dichloro-2-butene
Concen: 18.014 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion: 75 Resp: 19909

Ion	Ratio	Lower	Upper
75	100		
53	95.9	78.0	117.0
89	43.8	35.5	53.3

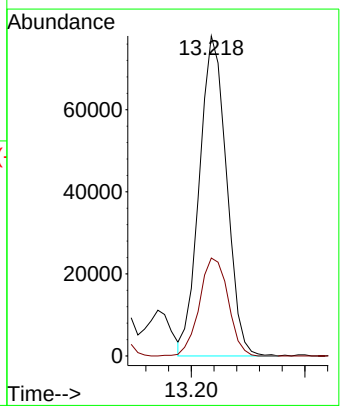


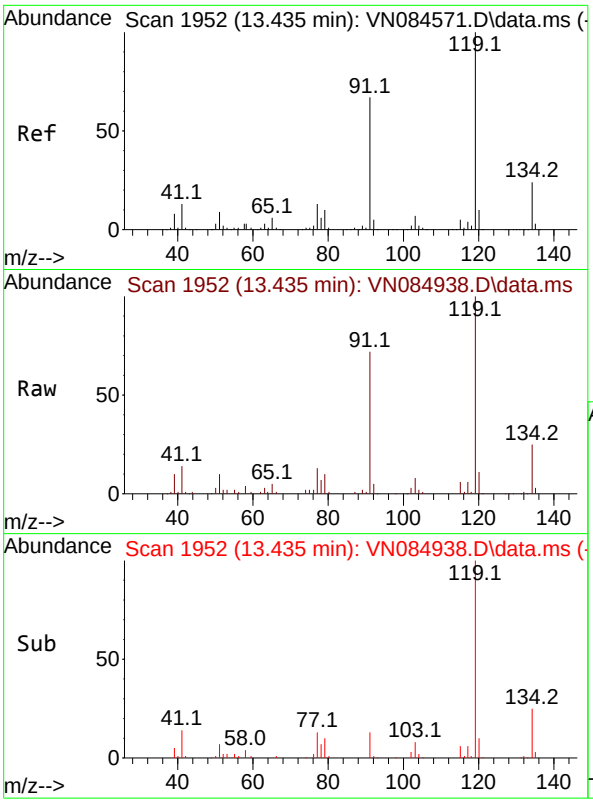


#82
4-Chlorotoluene
Concen: 17.532 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 91 Resp: 129851

Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.7	47.1



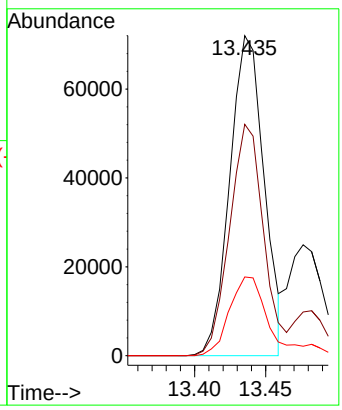


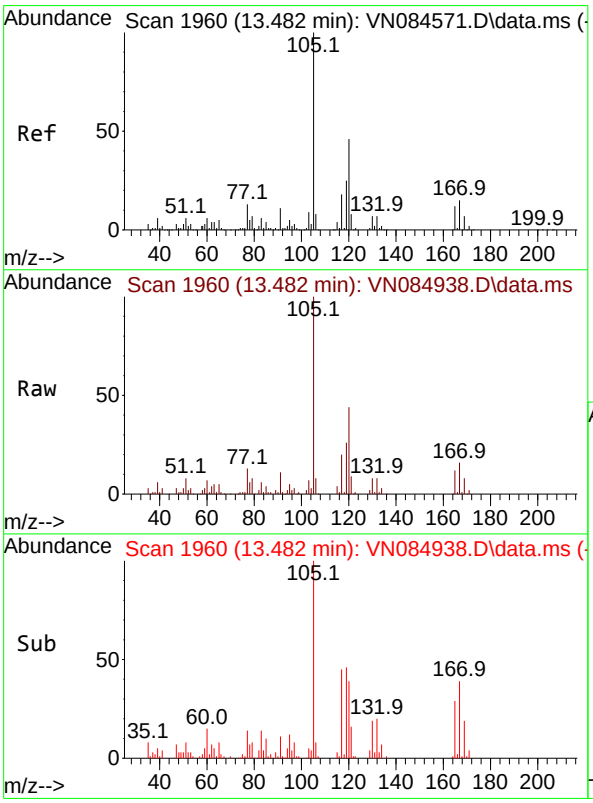
#83
tert-Butylbenzene
Concen: 19.173 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion:119 Resp: 120889

Ion	Ratio	Lower	Upper
119	100		
91	72.0	34.1	102.3
134	28.7	12.8	38.4

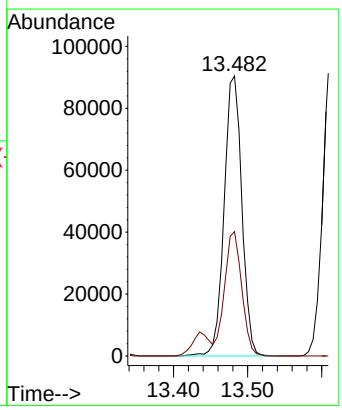


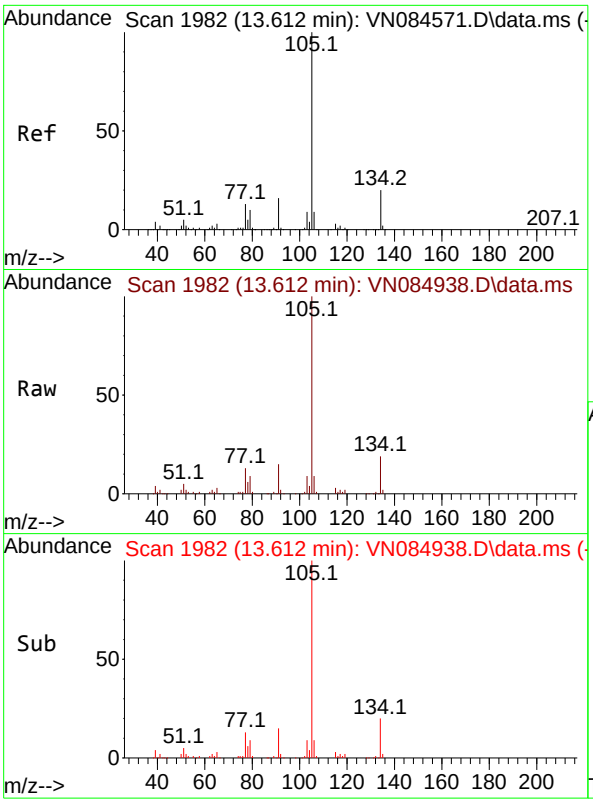


#84
1,2,4-Trimethylbenzene
Concen: 19.065 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:105 Resp: 149905

Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.3	66.8



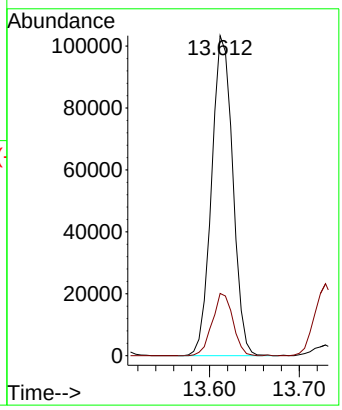


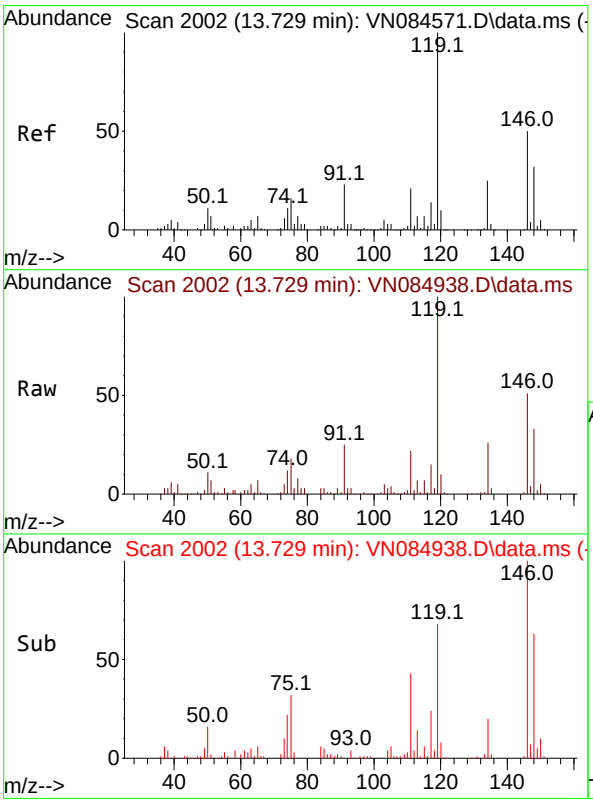
#85
sec-Butylbenzene
Concen: 19.019 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion:105 Resp: 169384

Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.8	29.4

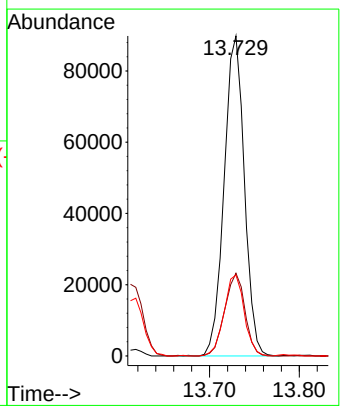


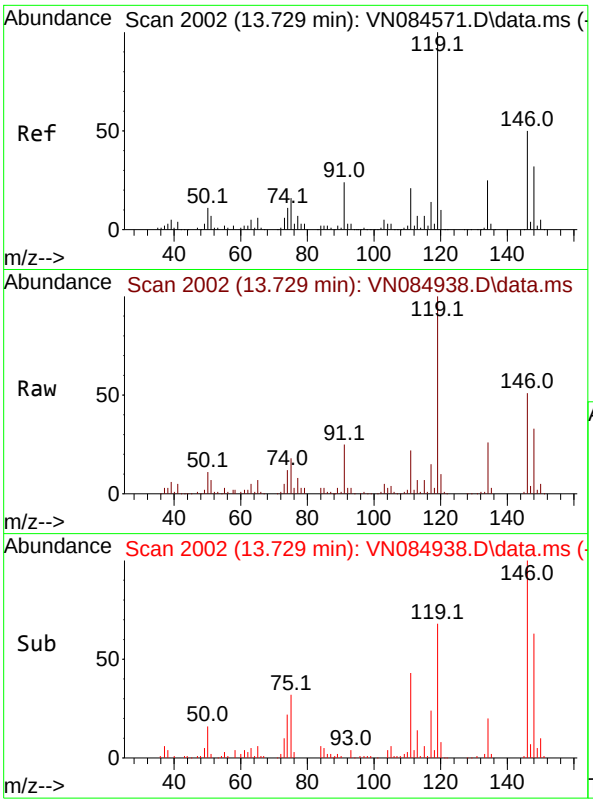


#86
p-Isopropyltoluene
Concen: 19.242 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:119 Resp: 140547

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	25.3	12.4	37.2



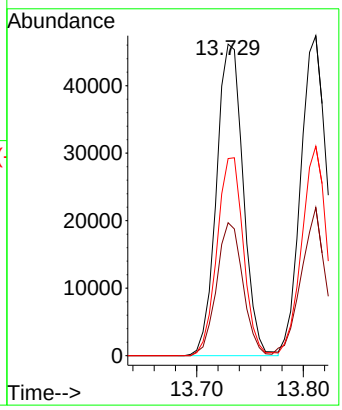


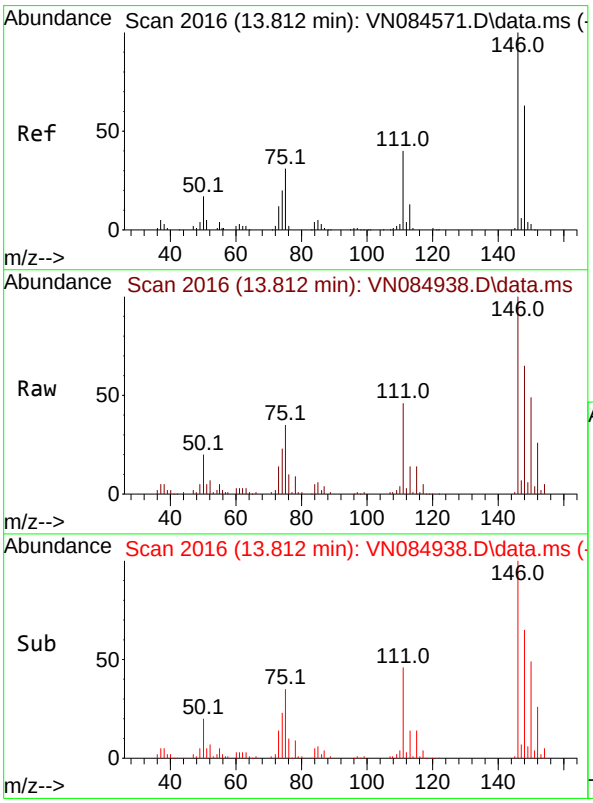
#87
1,3-Dichlorobenzene
Concen: 16.675 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion:146 Resp: 80412

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.8	65.3
148	62.9	31.9	95.7

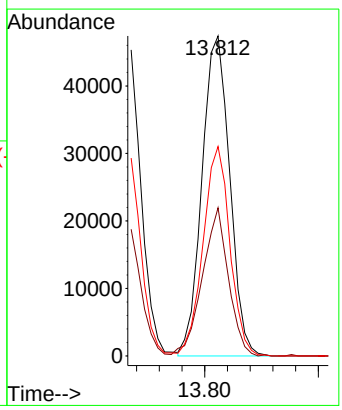


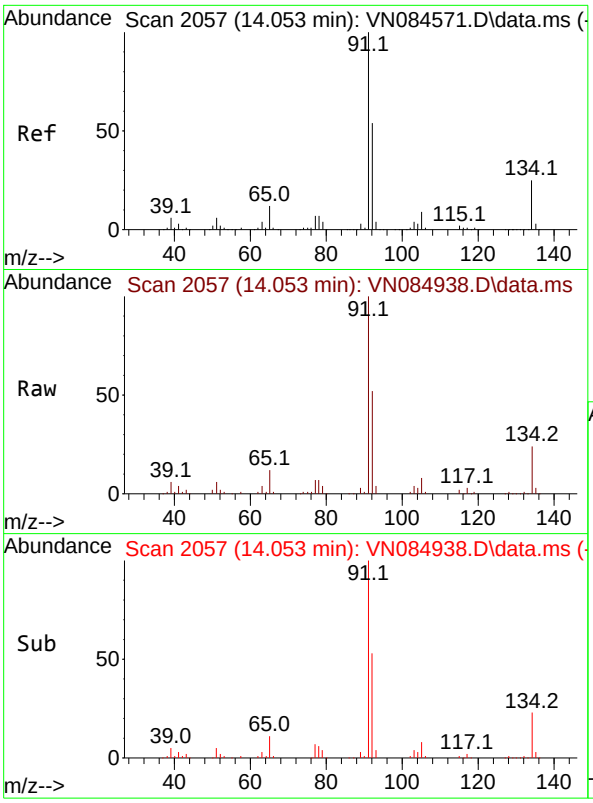


#88
1,4-Dichlorobenzene
Concen: 17.455 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:146 Resp: 80399

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.2	63.6
148	63.4	31.9	95.9



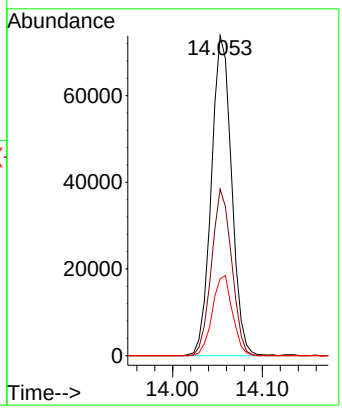


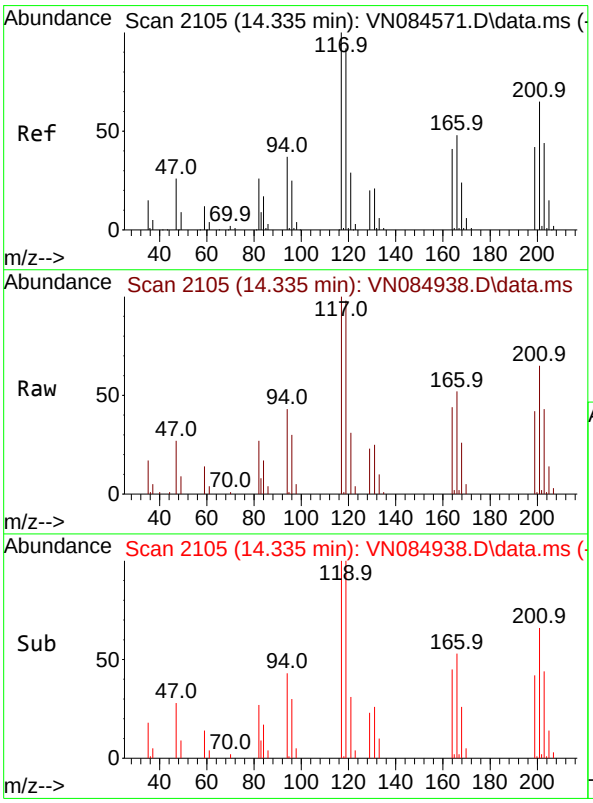
#89
n-Butylbenzene
Concen: 16.921 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion: 91 Resp: 115610

Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.6	79.7
134	24.9	12.3	36.9

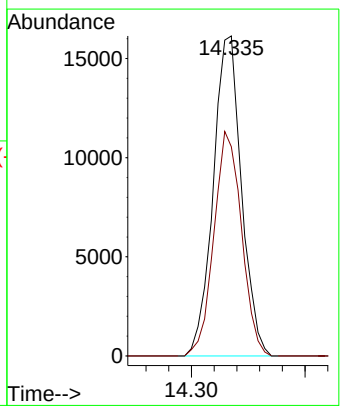


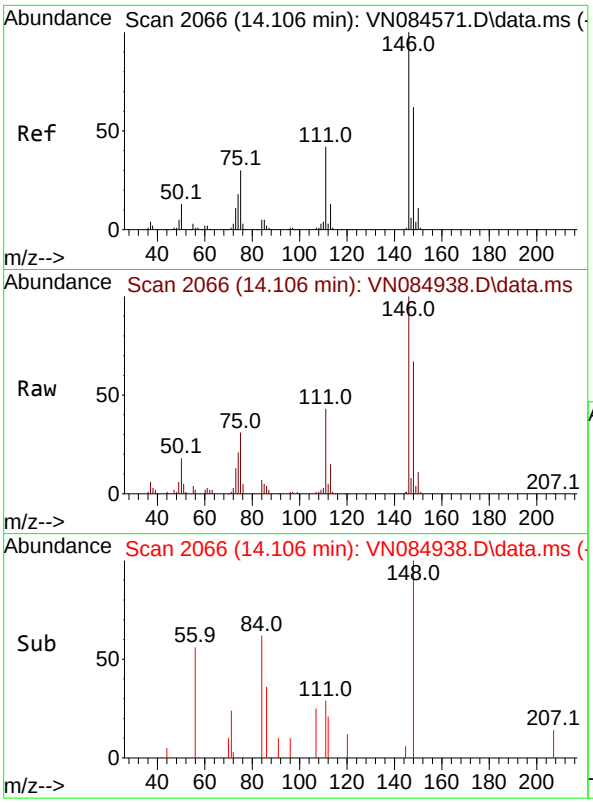


#90
Hexachloroethane
Concen: 17.118 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:117 Resp: 27883

Ion	Ratio	Lower	Upper
117	100		
201	68.5	34.4	103.2



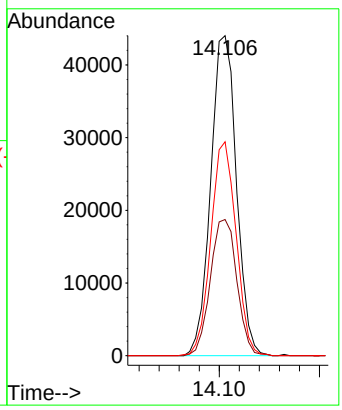


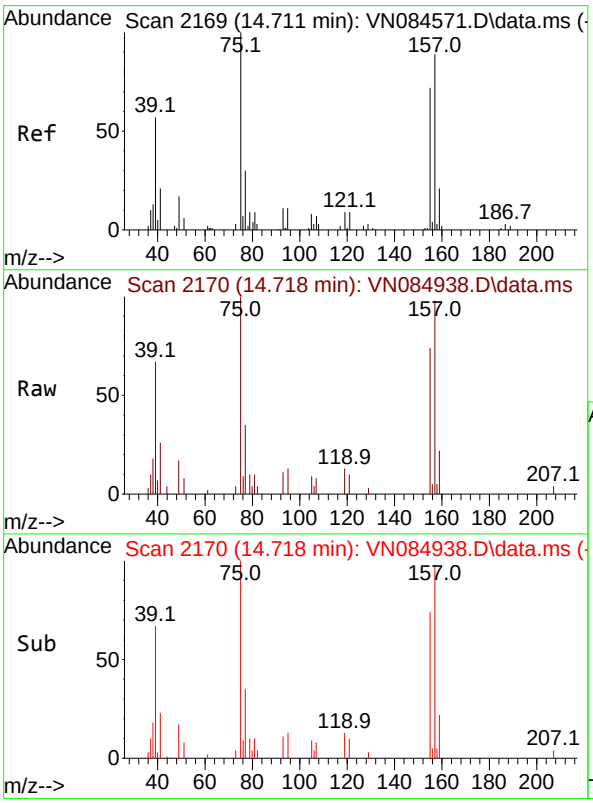
#91
1,2-Dichlorobenzene
Concen: 16.949 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion:146 Resp: 78540

Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.0	66.0
148	65.6	32.1	96.3

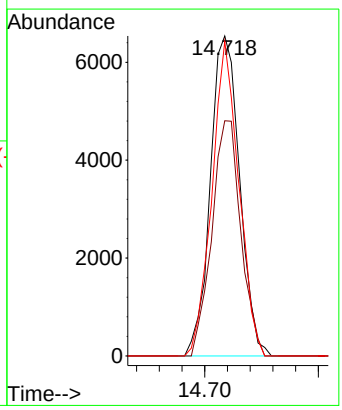


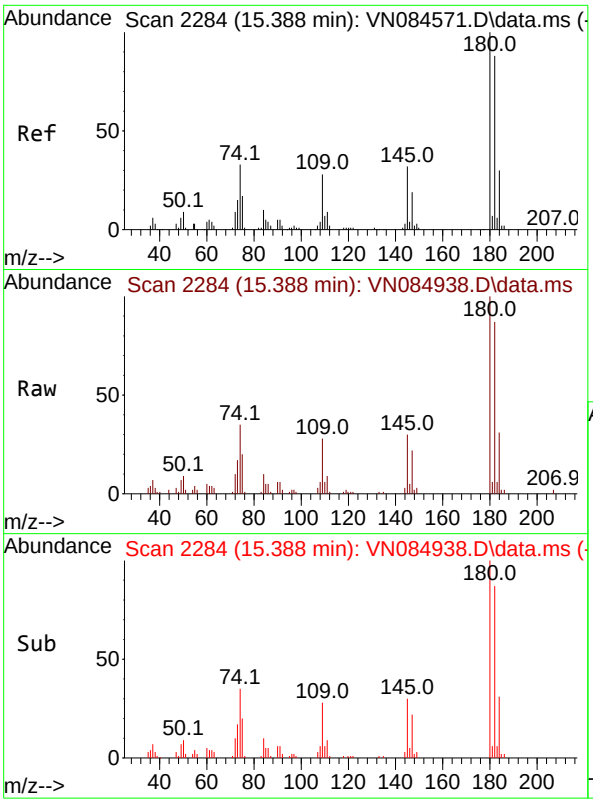


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.803 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion: 75 Resp: 11687

Ion	Ratio	Lower	Upper
75	100		
155	72.9	38.1	114.5
157	90.5	49.6	149.0



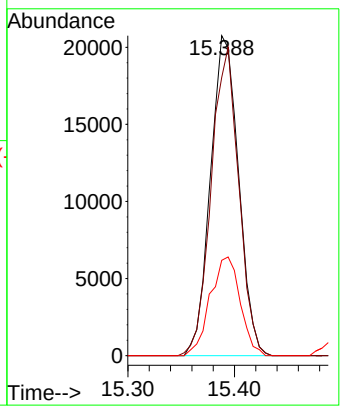


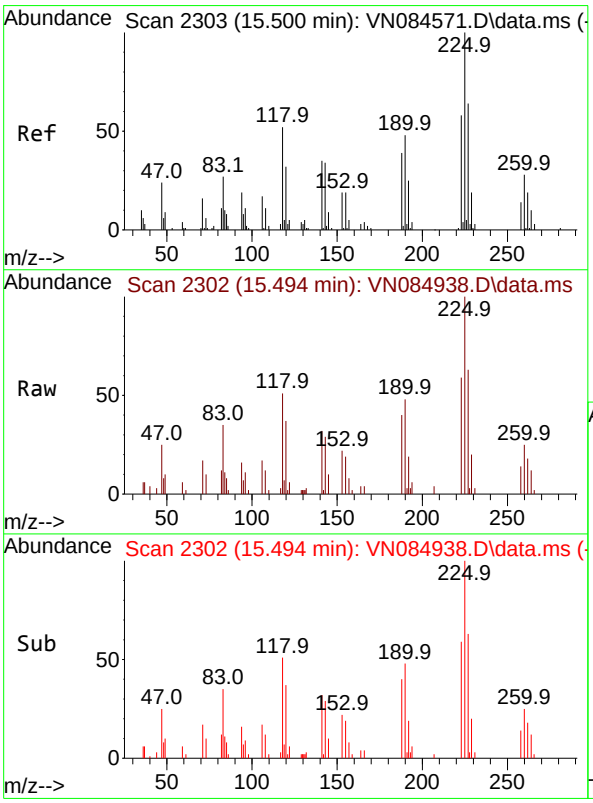
#93
1,2,4-Trichlorobenzene
Concen: 15.011 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion:180 Resp: 38073

Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.0	141.0
145	32.9	16.4	49.4

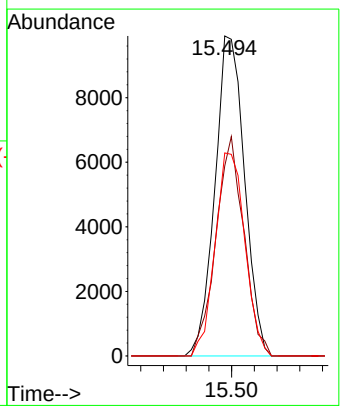


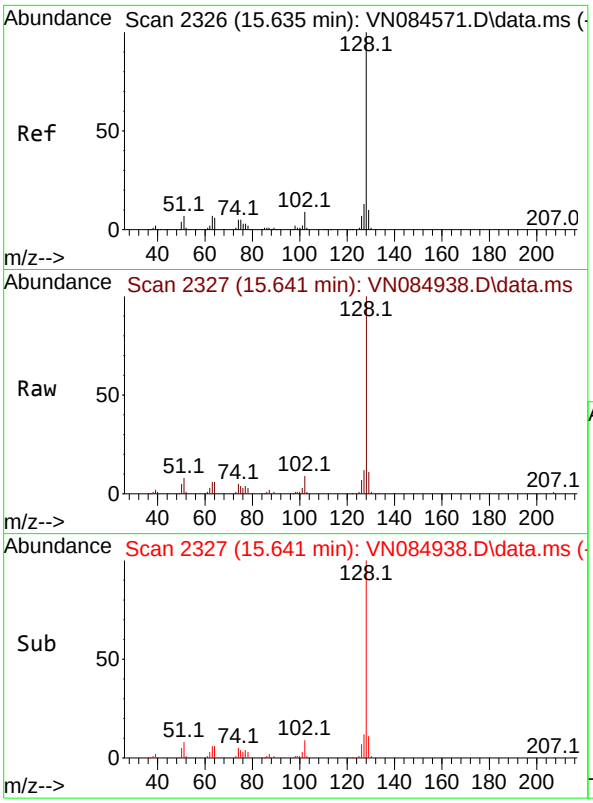


#94
Hexachlorobutadiene
Concen: 16.146 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:225 Resp: 17984

Ion	Ratio	Lower	Upper
225	100		
223	64.8	32.4	97.2
227	63.7	32.4	97.0



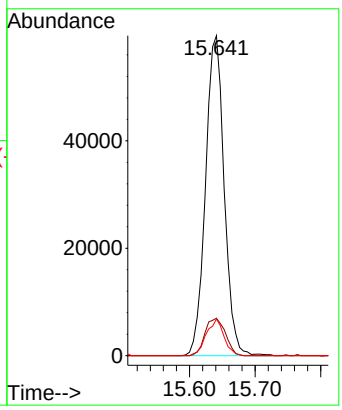


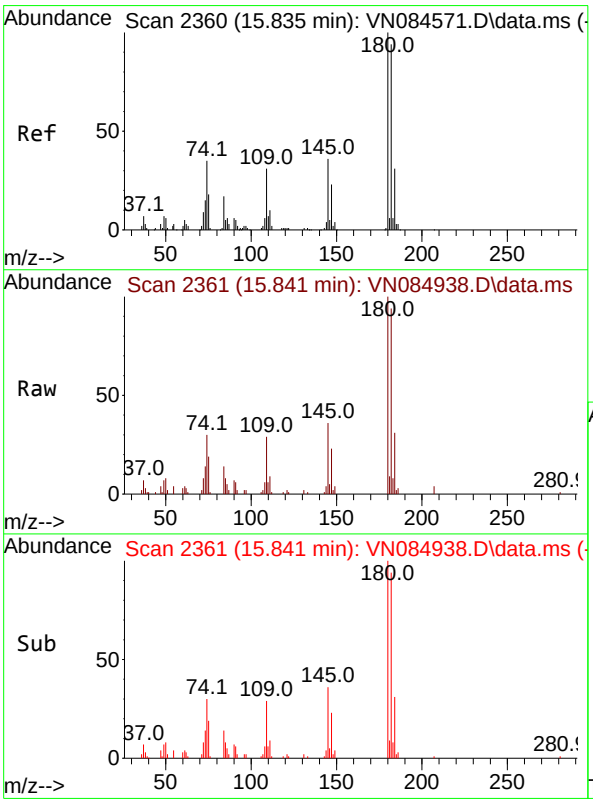
#95
Naphthalene
Concen: 15.526 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Tgt Ion:128 Resp: 117873

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.7	8.7	13.1

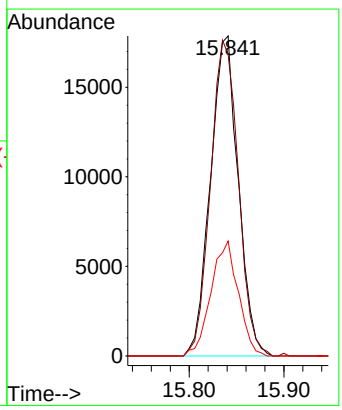




#96
1,2,3-Trichlorobenzene
Concen: 14.782 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084938.D
Acq: 19 Nov 2024 11:40

Tgt Ion:180 Resp: 36396

Ion	Ratio	Lower	Upper
180	100		
182	98.9	48.2	144.6
145	35.4	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084942.D
Acq On : 19 Nov 2024 13:17
Operator : JC\MD
Sample : P4845-01DL 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

Quant Time: Nov 20 00:27:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	185577	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	330960	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	292031	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131420	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	138266	51.585	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.160%			
35) Dibromofluoromethane	8.165	113	109812	49.019	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.040%			
50) Toluene-d8	10.565	98	387109	46.910	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.820%			
62) 4-Bromofluorobenzene	12.847	95	149295	48.408	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.820%			
Target Compounds						Qvalue
3) Chloromethane	2.354	50	847	Below Cal	#	41
5) Bromomethane	2.901	94	304	0.250	ug/l	98
6) Chloroethane	3.083	64	505	Below Cal	#	45
11) Tert butyl alcohol	5.483	59	6281	17.753	ug/l #	73
16) Acetone	4.436	43	12463	13.397	ug/l #	85
18) Methyl Acetate	5.018	43	2185	Below Cal	#	69
27) cis-1,2-Dichloroethene	7.488	96	7197	2.840	ug/l	89
31) Cyclohexane	8.212	56	4276	1.156	ug/l #	18
36) 1,1-Dichloropropene	8.224	75	16010	5.153	ug/l #	51
38) Carbon Tetrachloride	8.218	117	20502	5.904	ug/l #	15
39) Methylcyclohexane	9.347	83	772	0.244	ug/l #	1
43) Isopropyl Acetate	8.753	43	17845	2.510	ug/l #	56
44) Trichloroethene	9.347	130	57433	24.959	ug/l	97
51) 4-Methyl-2-Pentanone	10.559	43	1772	0.659	ug/l #	1
52) Toluene	10.618	92	2578	0.442	ug/l	81
67) Ethyl Benzene	11.965	91	2932	0.269	ug/l #	87
68) m/p-Xylenes	12.071	106	3456	0.837	ug/l	96
69) o-Xylene	12.394	106	880	0.228	ug/l	86
76) 1,2,3-Trichloropropane	12.847	75	76649	29.177	ug/l #	1
78) n-propylbenzene	13.035	91	2872	0.266	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	1998	0.262	ug/l	86
81) trans-1,4-Dichloro-2-b...	12.847	75	76649	69.220	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.482	105	4908	0.623	ug/l	95
88) 1,4-Dichlorobenzene	13.735	146	471	Below Cal		81
95) Naphthalene	15.641	128	4329	0.569	ug/l #	93

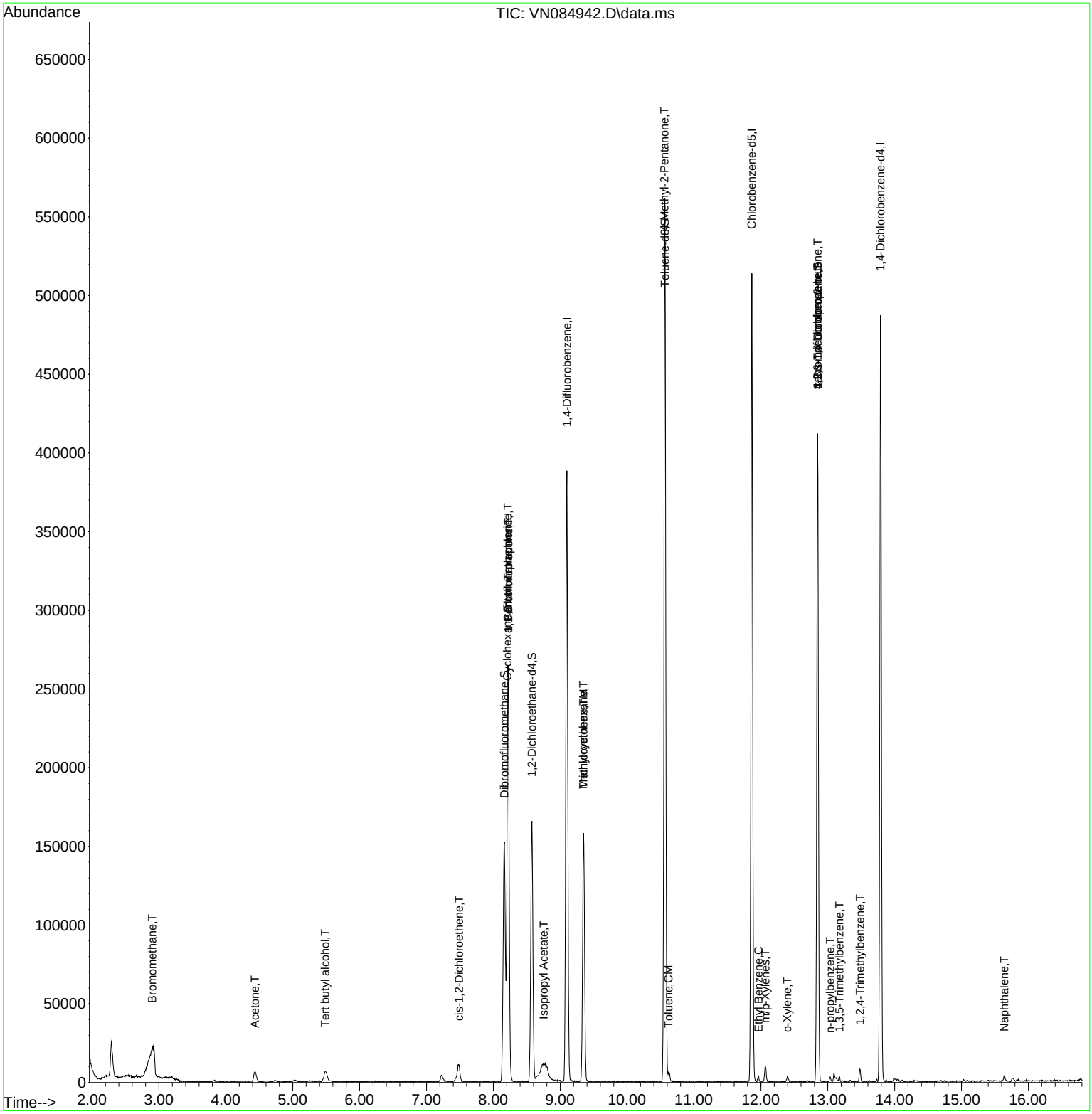
(#) = qualifier out of range (m) = manual integration (+) = signals summed

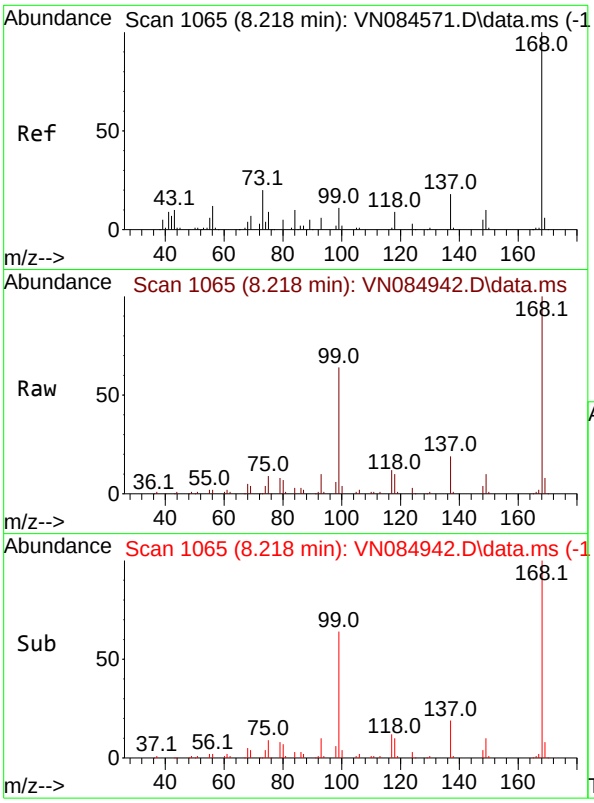
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084942.D
Acq On : 19 Nov 2024 13:17
Operator : JC\MD
Sample : P4845-01DL 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

Quant Time: Nov 20 00:27:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



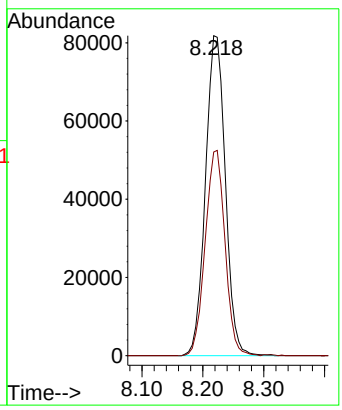


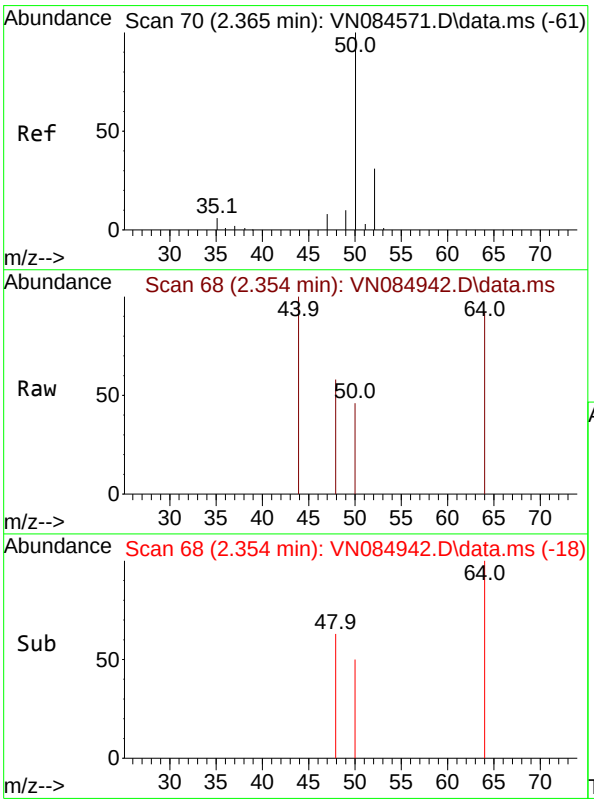
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

Tgt Ion:168 Resp: 185577

Ion	Ratio	Lower	Upper
168	100		
99	63.7	54.2	81.2

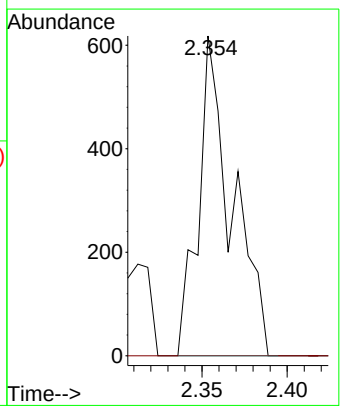


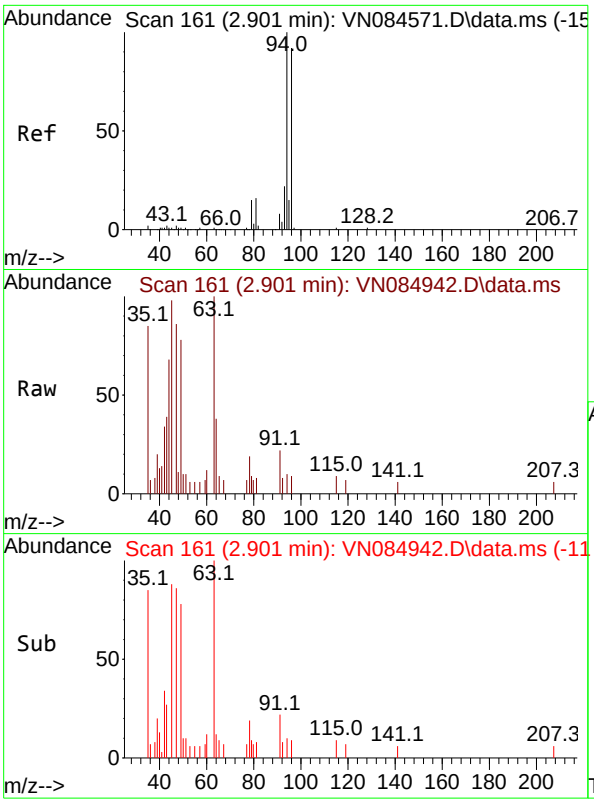


#3
Chloromethane
Concen: Below Cal
RT: 2.354 min Scan# 68
Delta R.T. -0.005 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion: 50 Resp: 847

Ion	Ratio	Lower	Upper
50	100		
52	0.0	26.8	40.2#



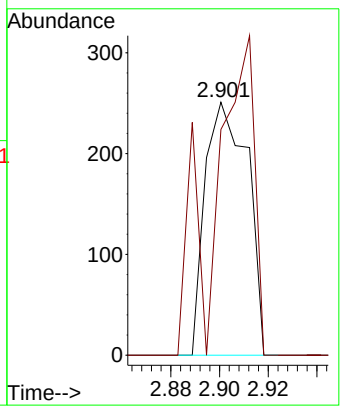


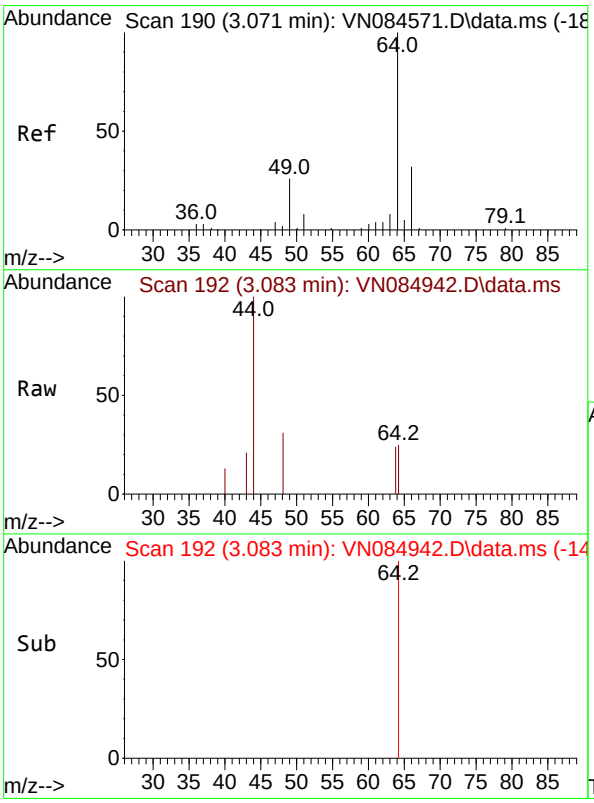
#5
Bromomethane
Concen: 0.250 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.052 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

Tgt Ion: 94 Resp: 304

Ion	Ratio	Lower	Upper
94	100		
96	89.2	72.9	109.3

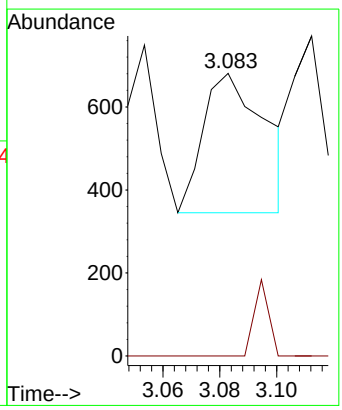


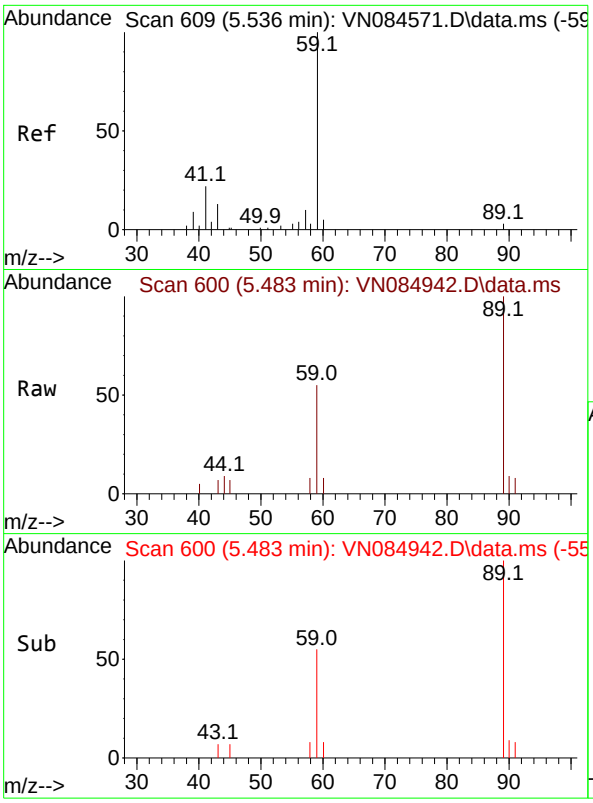


#6
Chloroethane
Concen: Below Cal
RT: 3.083 min Scan# 192
Delta R.T. -0.035 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion: 64 Resp: 505

Ion	Ratio	Lower	Upper
64	100		
66	0.0	23.5	35.3#



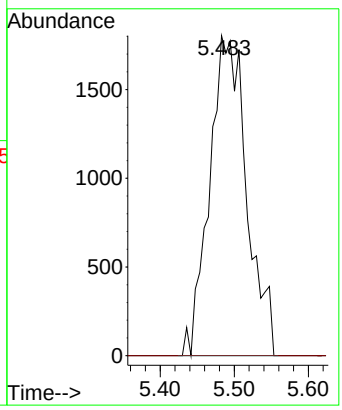


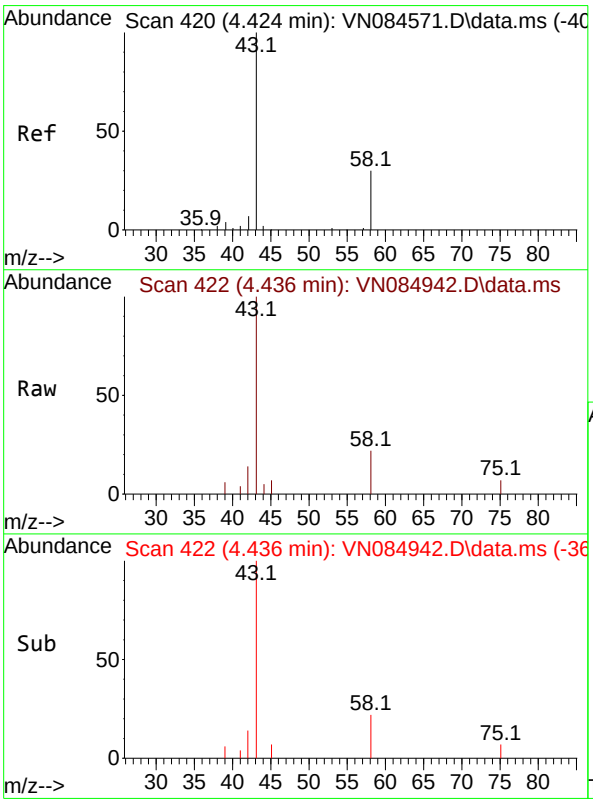
#11
Tert butyl alcohol
Concen: 17.753 ug/l
RT: 5.483 min Scan# 6
Delta R.T. -0.041 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

Tgt Ion: 59 Resp: 6281

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.2#

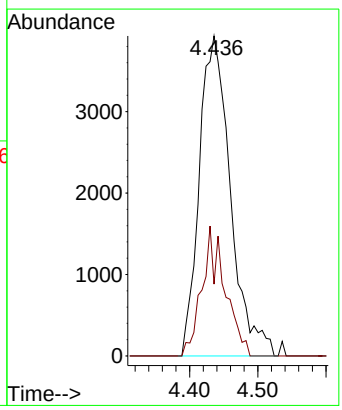


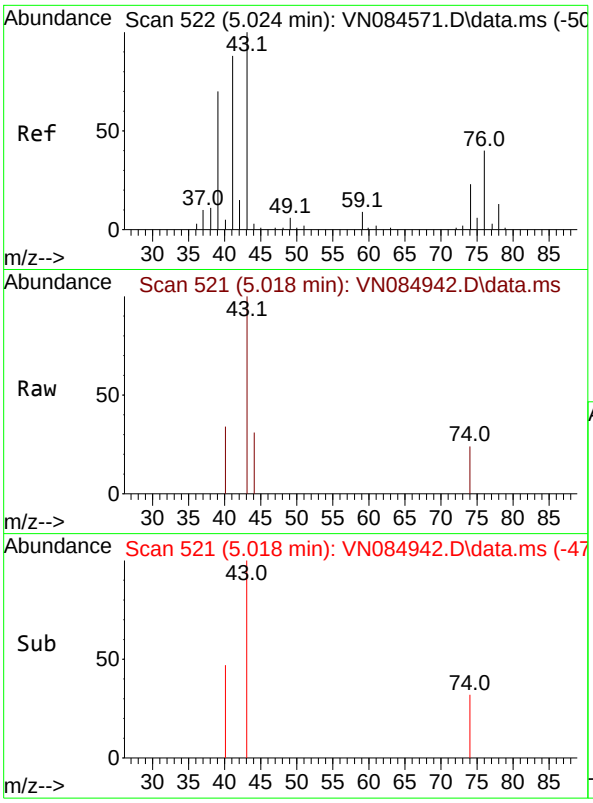


#16
Acetone
Concen: 13.397 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion: 43 Resp: 12463

Ion	Ratio	Lower	Upper
43	100		
58	22.4	24.4	36.6#



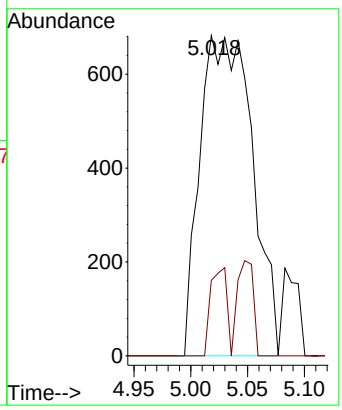


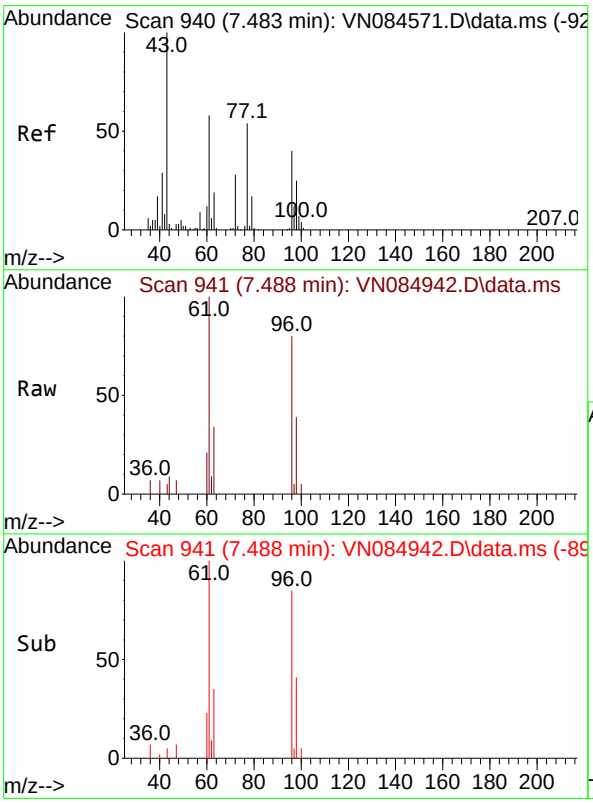
#18
Methyl Acetate
Concen: Below Cal
RT: 5.018 min Scan# 5
Delta R.T. 0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

Tgt Ion: 43 Resp: 2185

Ion	Ratio	Lower	Upper
43	100		
74	8.5	19.2	28.8#

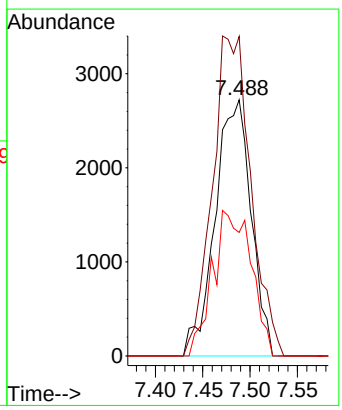


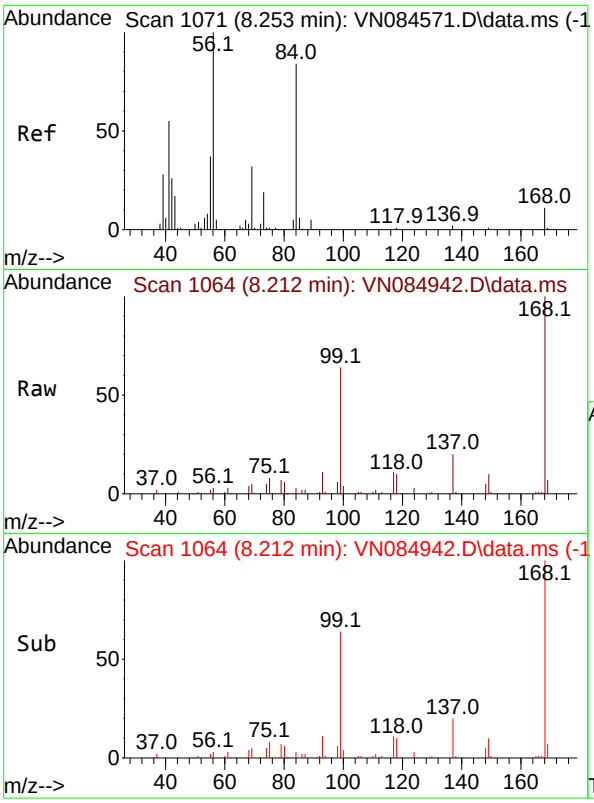


#27
cis-1,2-Dichloroethene
Concen: 2.840 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion: 96 Resp: 7197

Ion	Ratio	Lower	Upper
96	100		
61	133.7	0.0	301.8
98	60.8	0.0	128.2



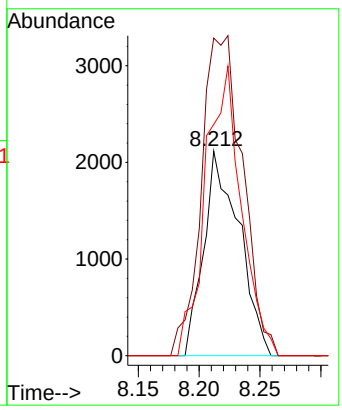


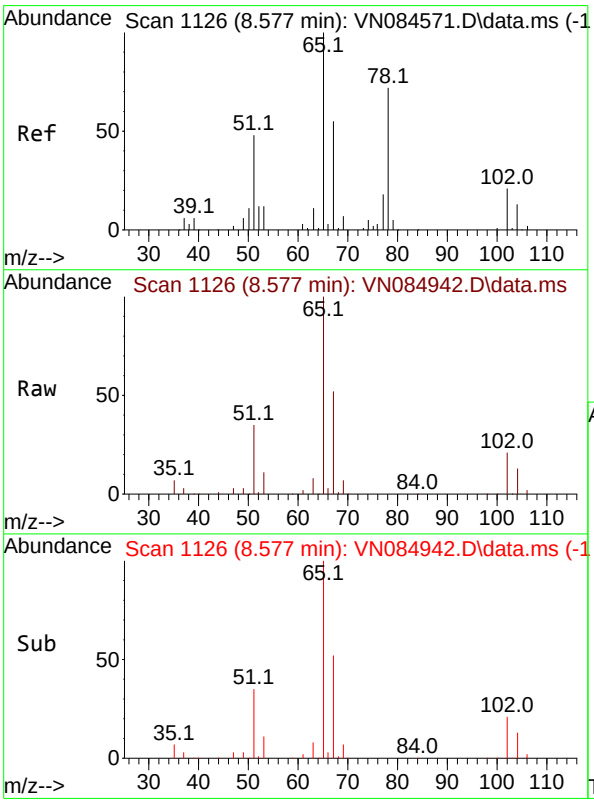
#31
Cyclohexane
Concen: 1.156 ug/l
RT: 8.212 min Scan# 1
Delta R.T. -0.041 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

Tgt Ion: 56 Resp: 4276

Ion	Ratio	Lower	Upper
56	100		
69	155.2	23.8	35.6#
84	113.0	68.8	103.2#

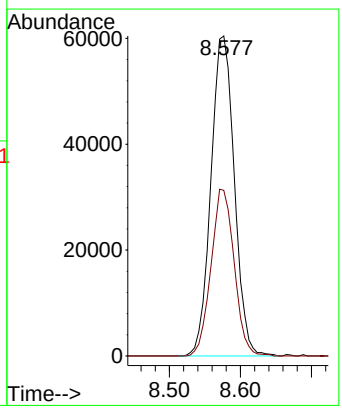


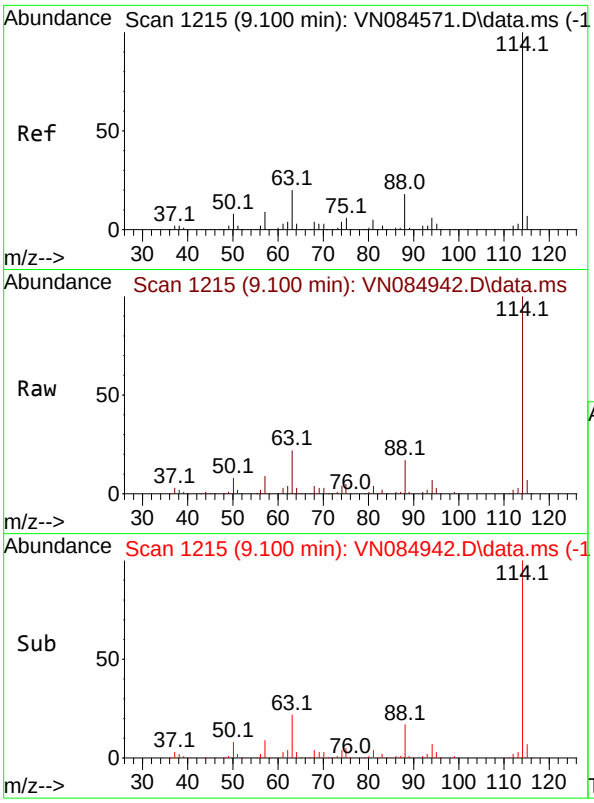


#33
1,2-Dichloroethane-d4
Concen: 51.585 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion: 65 Resp: 138266

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	102.0



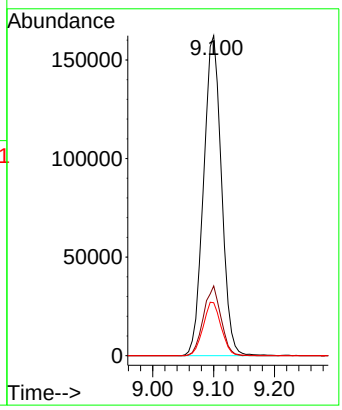


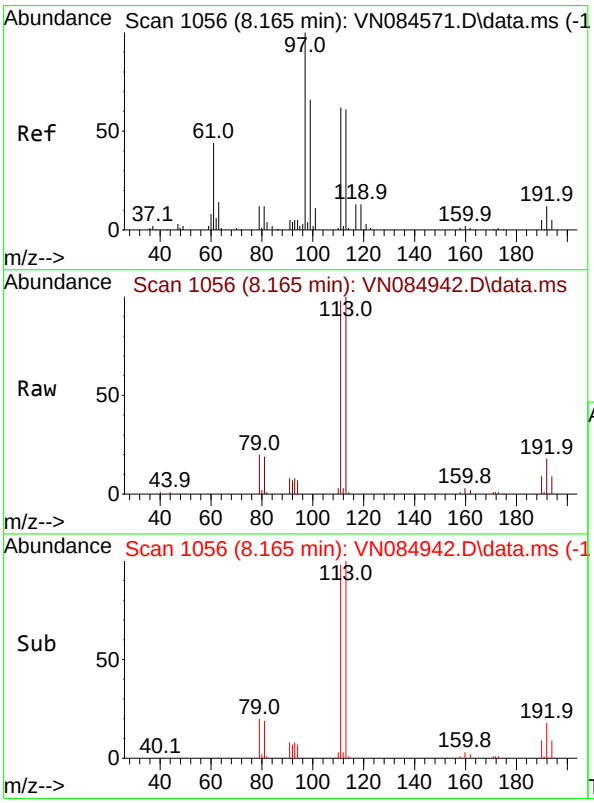
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

Tgt Ion:114 Resp: 330960

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	43.8
88	16.6	0.0	31.6

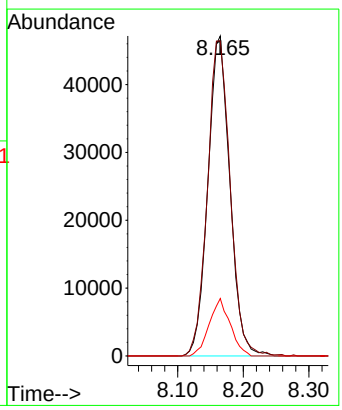


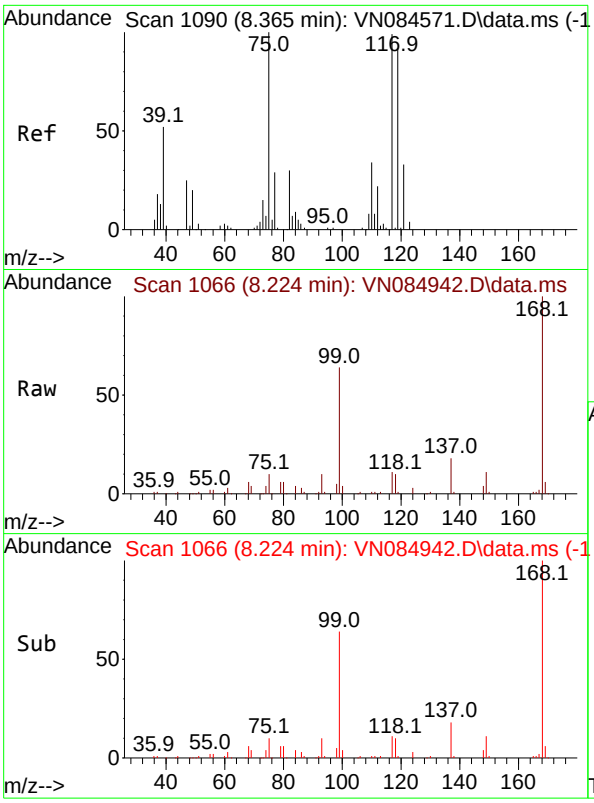


#35
Dibromofluoromethane
Concen: 49.019 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion:113 Resp: 109812

Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.3	124.9
192	17.1	13.5	20.3



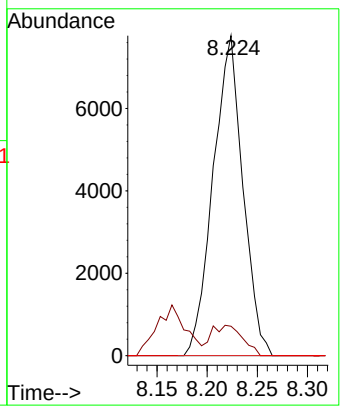


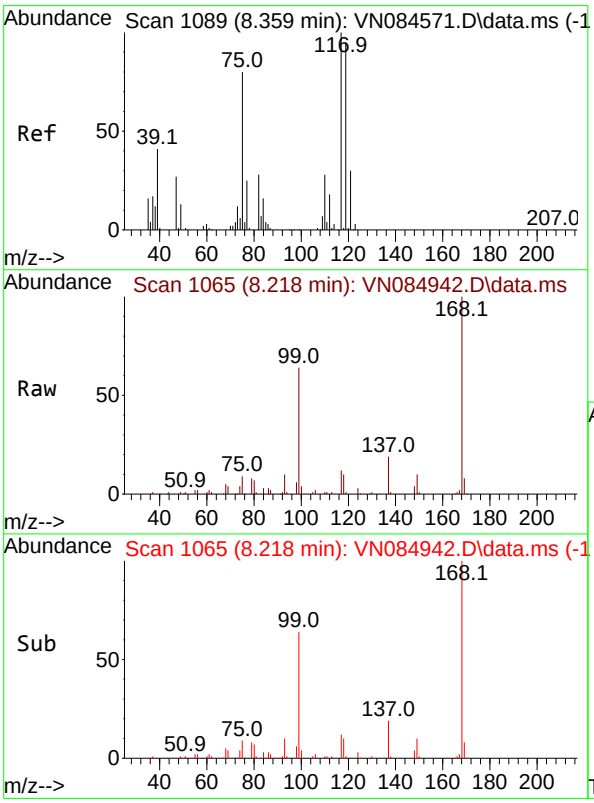
#36
1,1-Dichloropropene
Concen: 5.153 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.147 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

Tgt Ion: 75 Resp: 16010

Ion	Ratio	Lower	Upper
75	100		
110	10.0	16.9	50.7#
77	0.0	24.7	37.1#

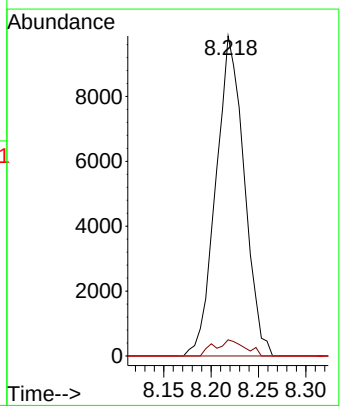


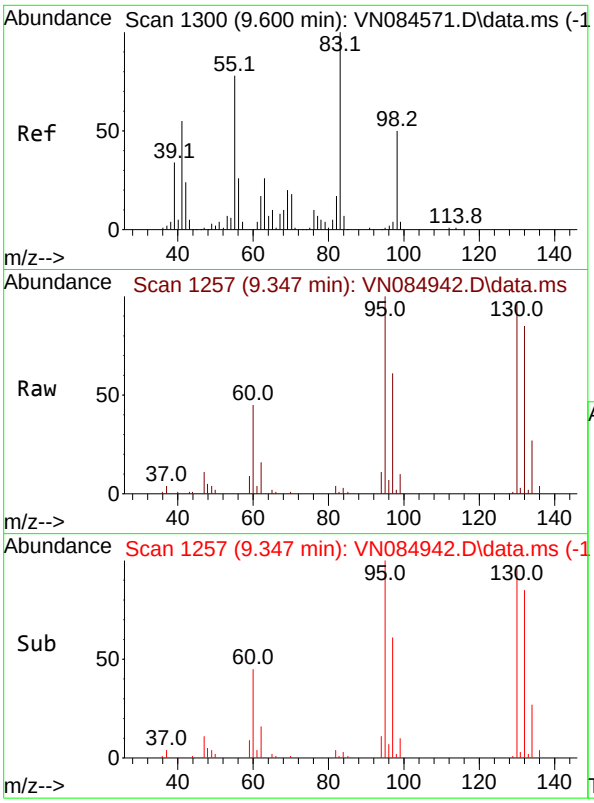


#38
Carbon Tetrachloride
Concen: 5.904 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion:117 Resp: 20502

Ion	Ratio	Lower	Upper
117	100		
119	5.1	78.7	118.1#
121	0.0	24.4	36.6#



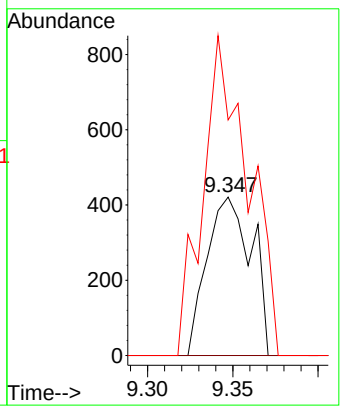


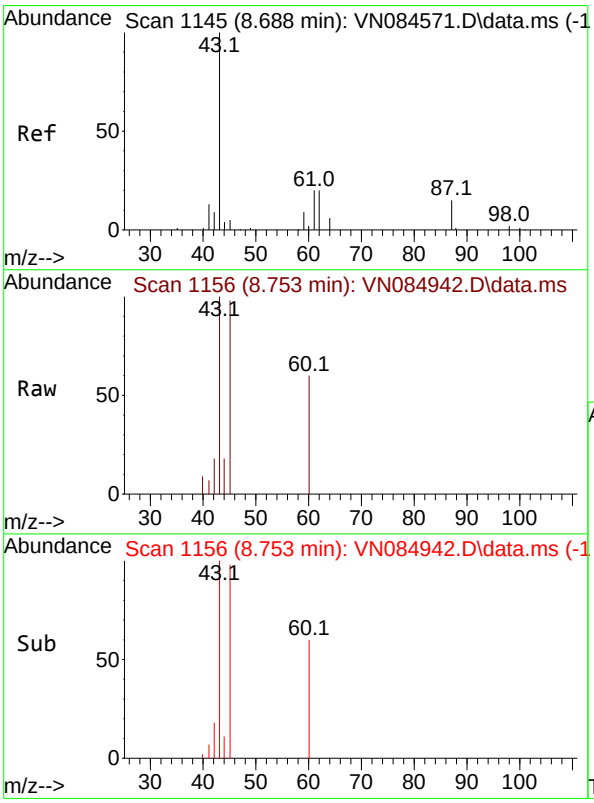
#39
Methylcyclohexane
Concen: 0.244 ug/l
RT: 9.347 min Scan# 1
Delta R.T. -0.253 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

Tgt Ion: 83 Resp: 772

Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.8	94.2#
98	148.7	38.8	58.2#

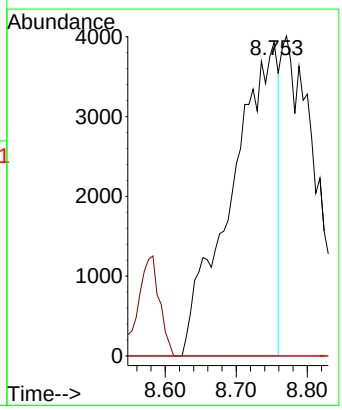


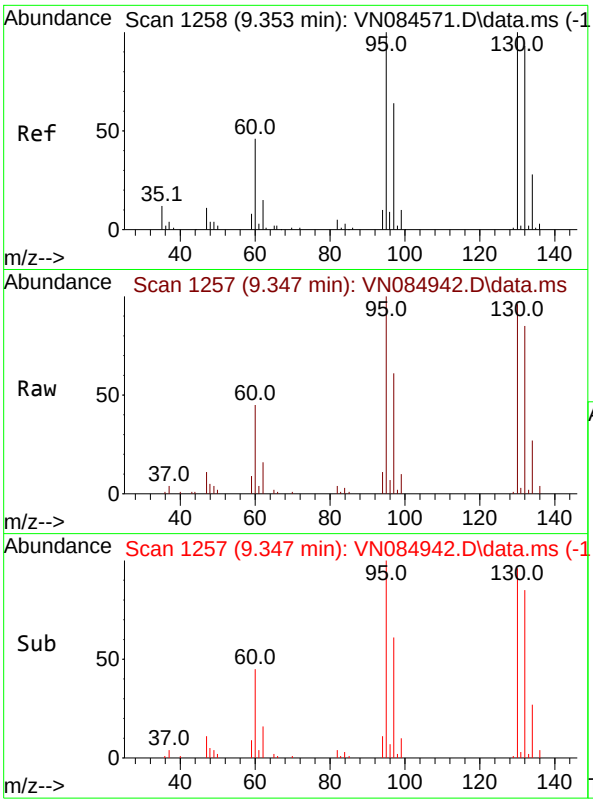


#43
Isopropyl Acetate
Concen: 2.510 ug/l
RT: 8.753 min Scan# 1156
Delta R.T. 0.065 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion: 43 Resp: 17845

Ion	Ratio	Lower	Upper
43	100		
61	0.0	20.4	30.6#
87	0.0	10.3	15.5#



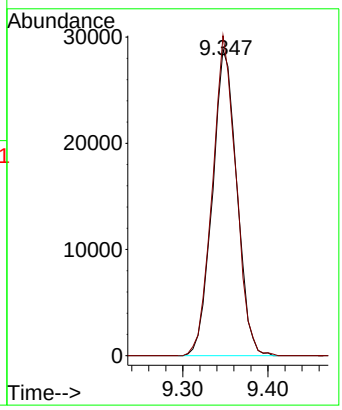


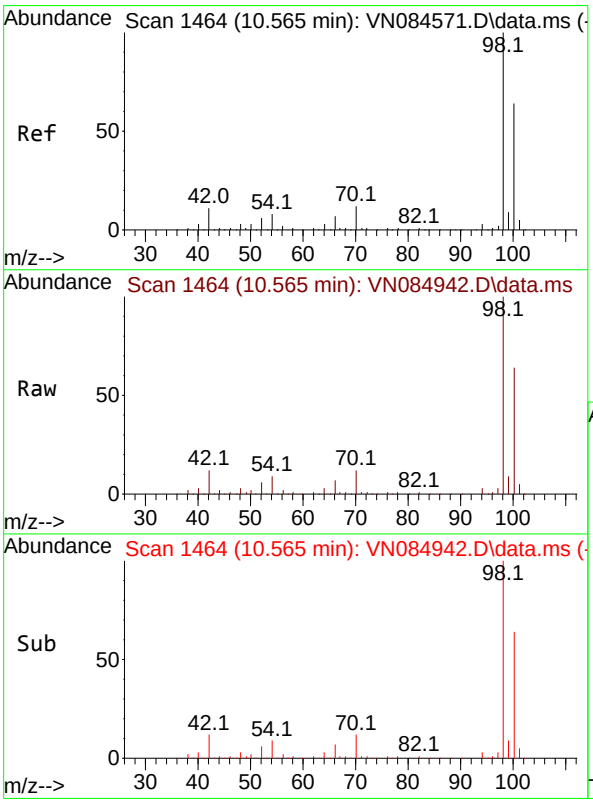
#44
Trichloroethene
Concen: 24.959 ug/l
RT: 9.347 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

Tgt Ion:130 Resp: 57433

Ion	Ratio	Lower	Upper
130	100		
95	104.5	0.0	203.0

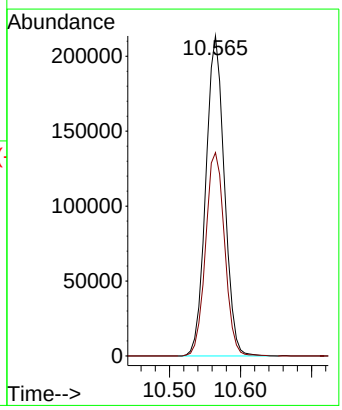


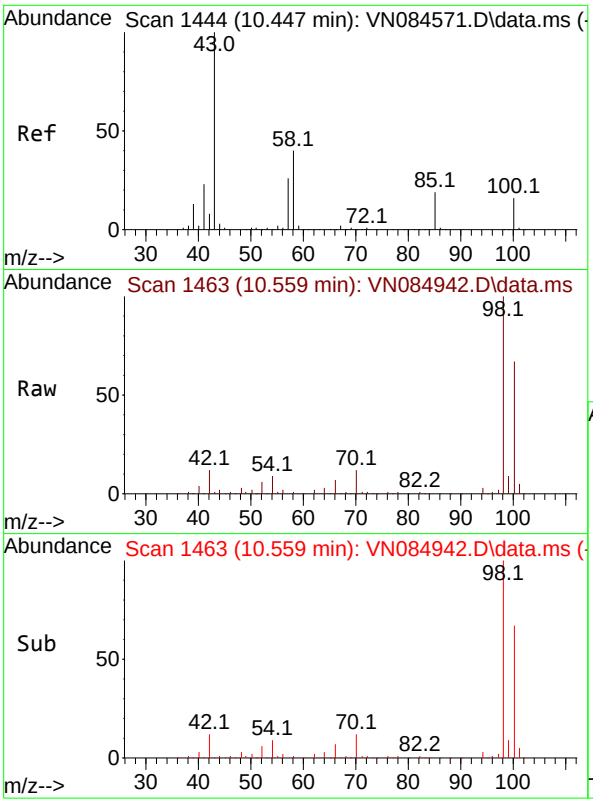


#50
Toluene-d8
Concen: 46.910 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion: 98 Resp: 387109

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.7	79.1



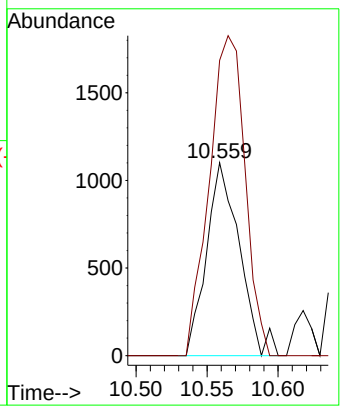


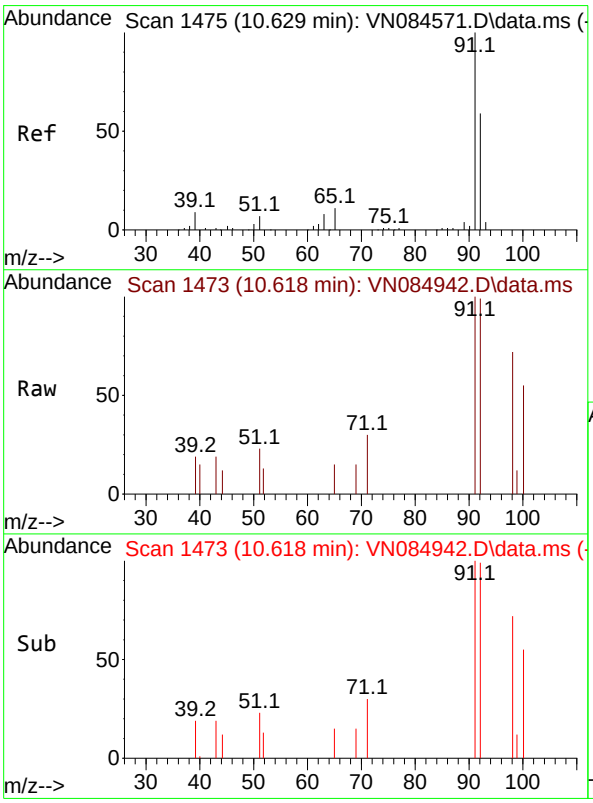
#51
4-Methyl-2-Pentanone
Concen: 0.659 ug/l
RT: 10.559 min Scan# 14
Delta R.T. 0.118 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

Tgt Ion: 43 Resp: 1772

Ion	Ratio	Lower	Upper
43	100		
58	180.9	31.6	47.4#

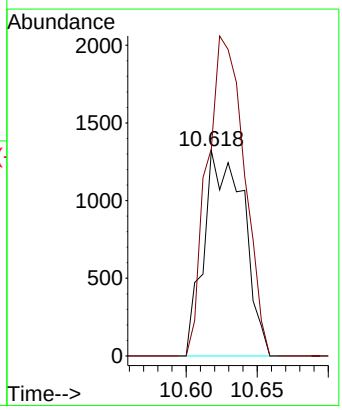


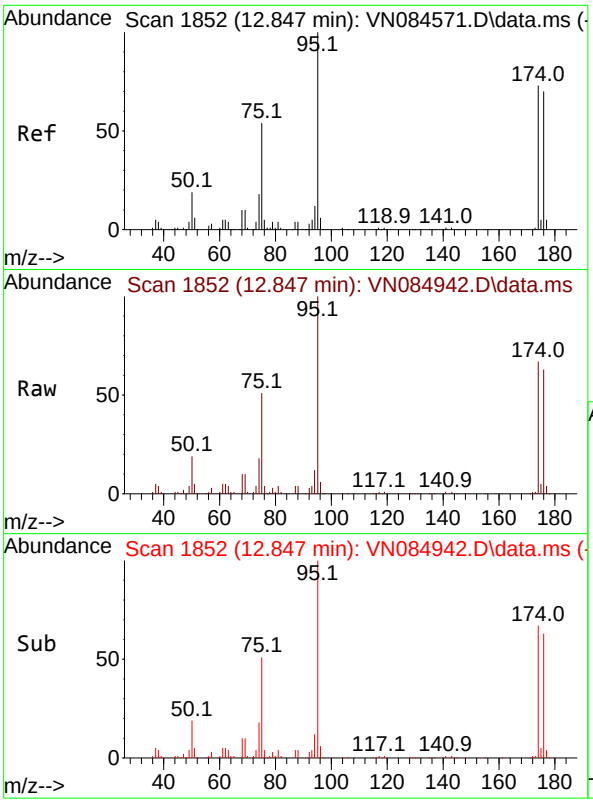


#52
Toluene
Concen: 0.442 ug/l
RT: 10.618 min Scan# 1473
Delta R.T. -0.012 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion: 92 Resp: 2578

Ion	Ratio	Lower	Upper
92	100		
91	145.5	137.3	205.9



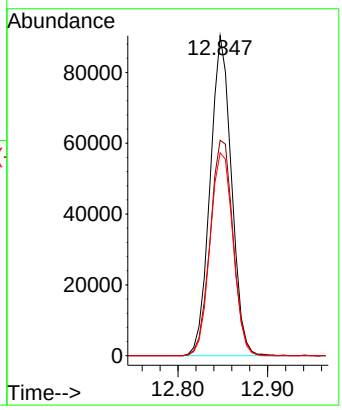


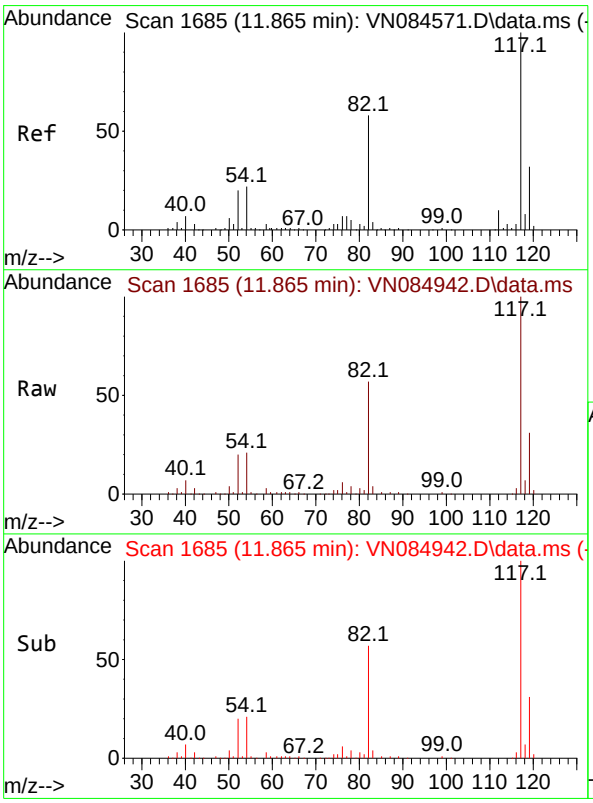
#62
4-Bromofluorobenzene
Concen: 48.408 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

Tgt Ion: 95 Resp: 149295

Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	145.2
176	68.1	0.0	140.0

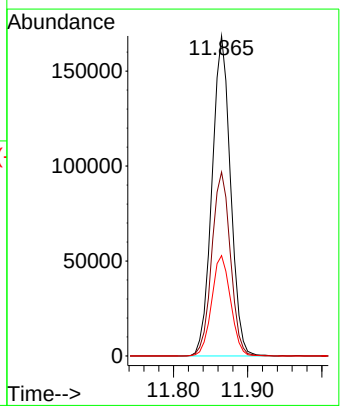


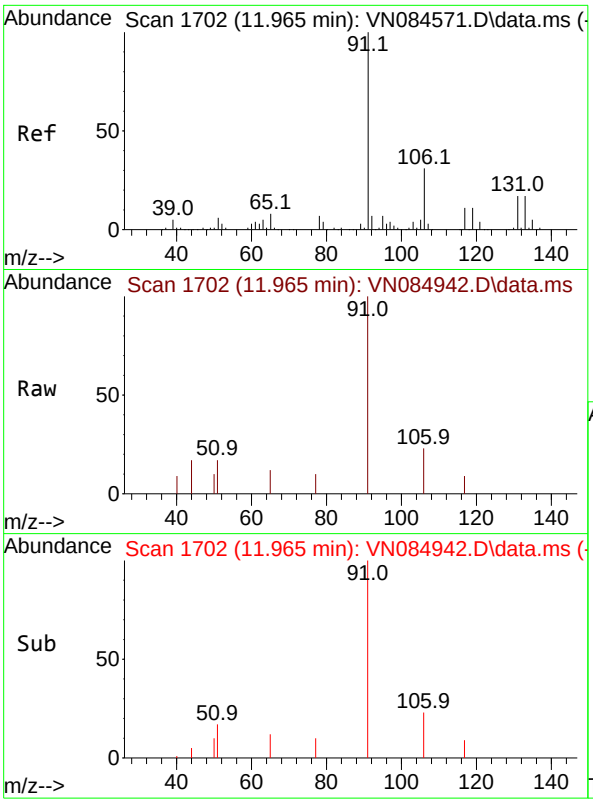


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion:117 Resp: 292031

Ion	Ratio	Lower	Upper
117	100		
82	57.4	47.2	70.8
119	31.4	25.4	38.0



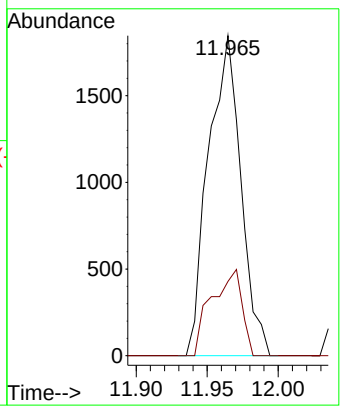


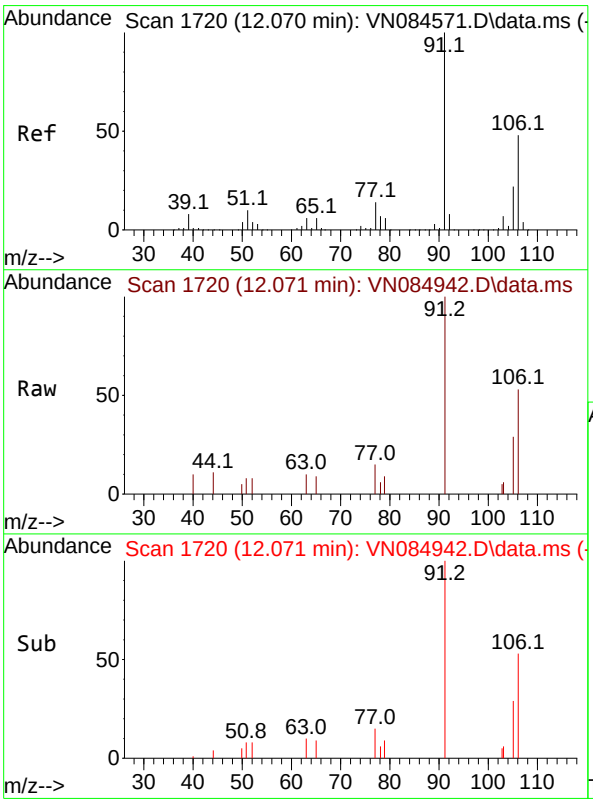
#67
Ethyl Benzene
Concen: 0.269 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

Tgt Ion: 91 Resp: 2932

Ion	Ratio	Lower	Upper
91	100		
106	23.2	24.5	36.7#

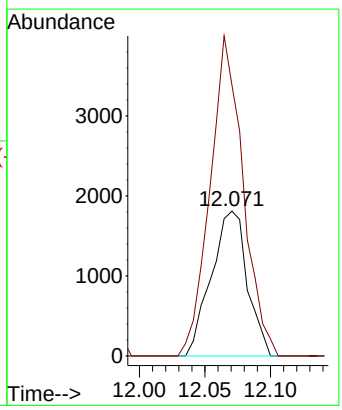


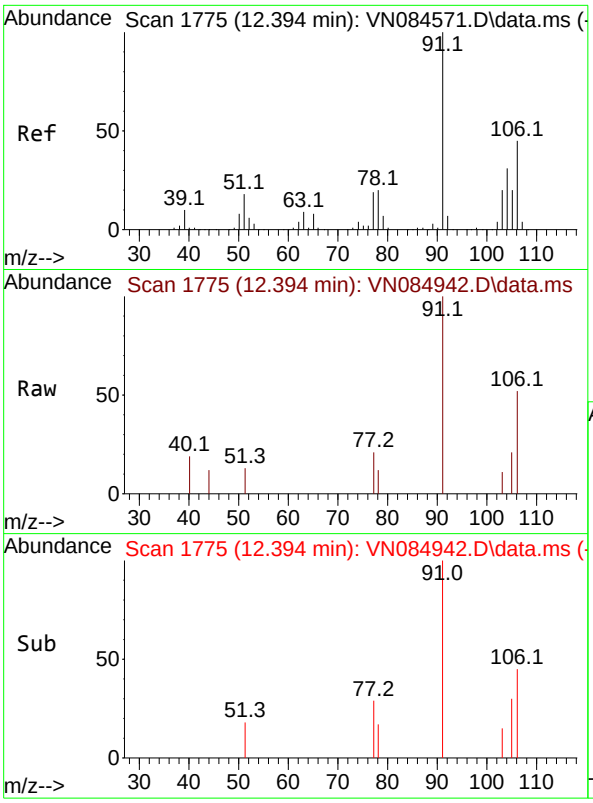


#68
m/p-Xylenes
Concen: 0.837 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion:106 Resp: 3456

Ion	Ratio	Lower	Upper
106	100		
91	202.6	167.1	250.7



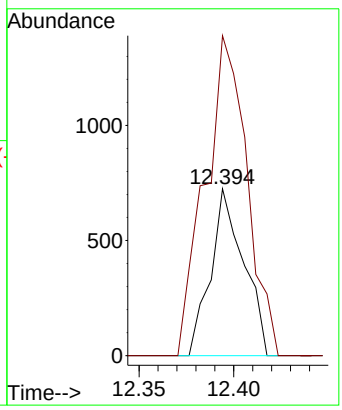


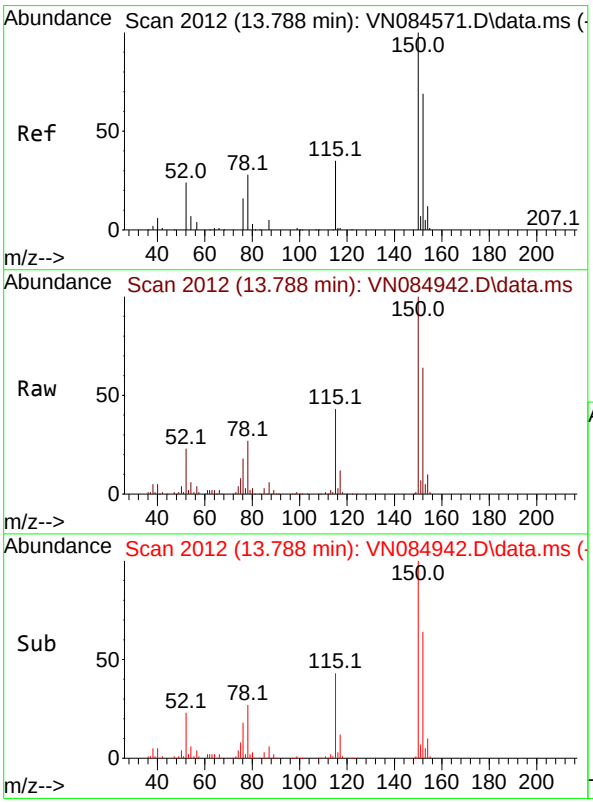
#69
o-Xylene
Concen: 0.228 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

Tgt Ion:106 Resp: 880

Ion	Ratio	Lower	Upper
106	100		
91	242.6	110.2	330.6

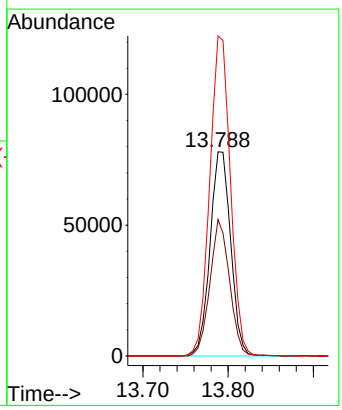


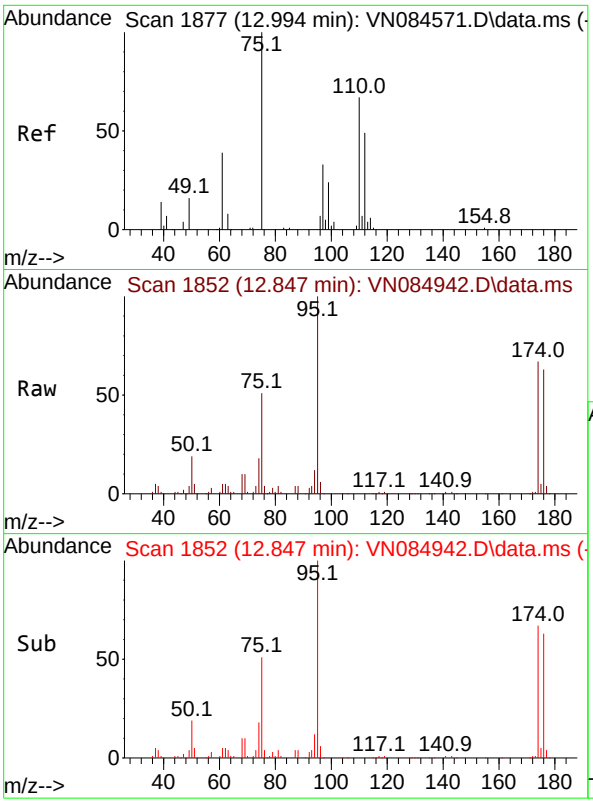


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion:152 Resp: 131420

Ion	Ratio	Lower	Upper
152	100		
115	63.5	31.3	93.9
150	156.8	0.0	349.8



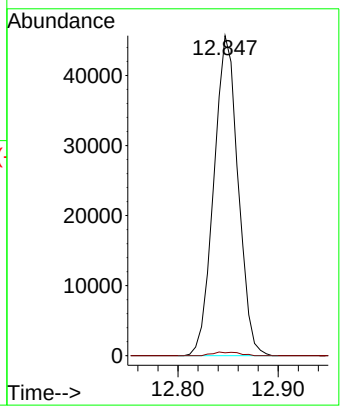


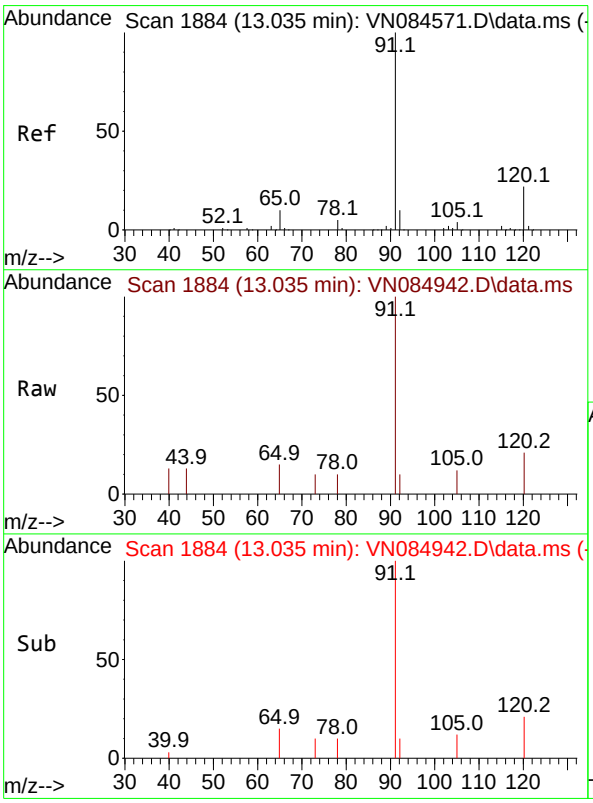
#76
1,2,3-Trichloropropane
Concen: 29.177 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.141 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

Tgt Ion: 75 Resp: 76649

Ion	Ratio	Lower	Upper
75	100		
77	1.2	96.9	290.7#

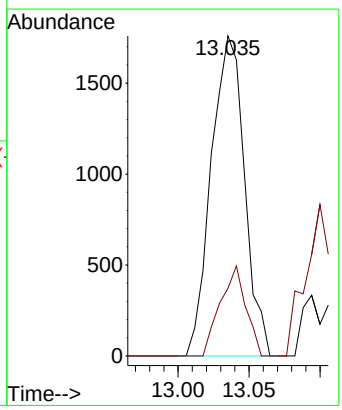


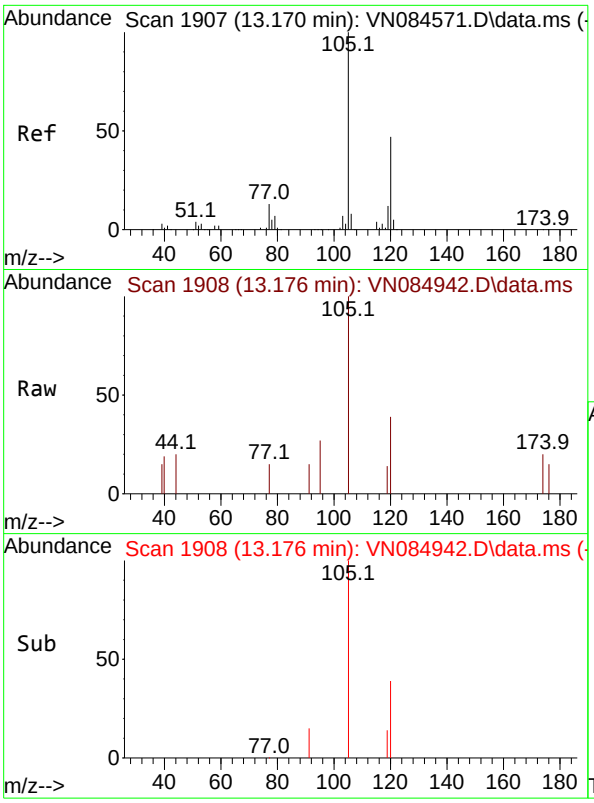


#78
n-propylbenzene
Concen: 0.266 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion: 91 Resp: 2872

Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.8	32.4



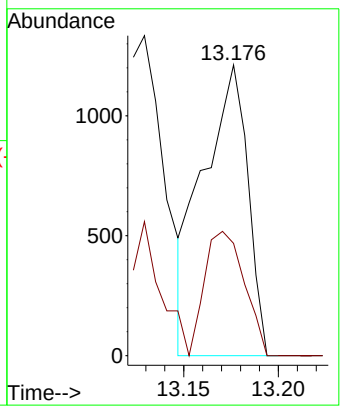


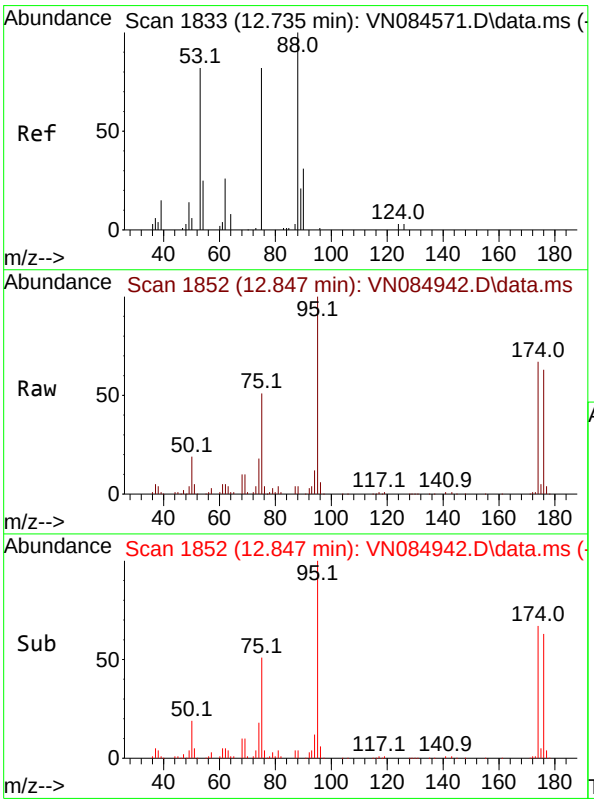
#80
1,3,5-Trimethylbenzene
Concen: 0.262 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

Tgt Ion:105 Resp: 1998

Ion	Ratio	Lower	Upper
105	100		
120	38.0	23.7	71.1

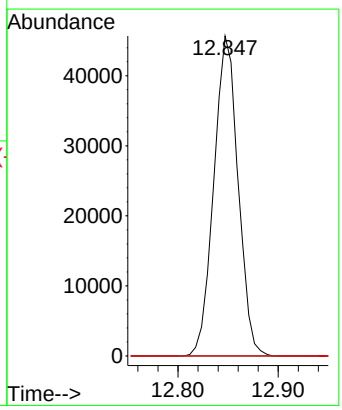


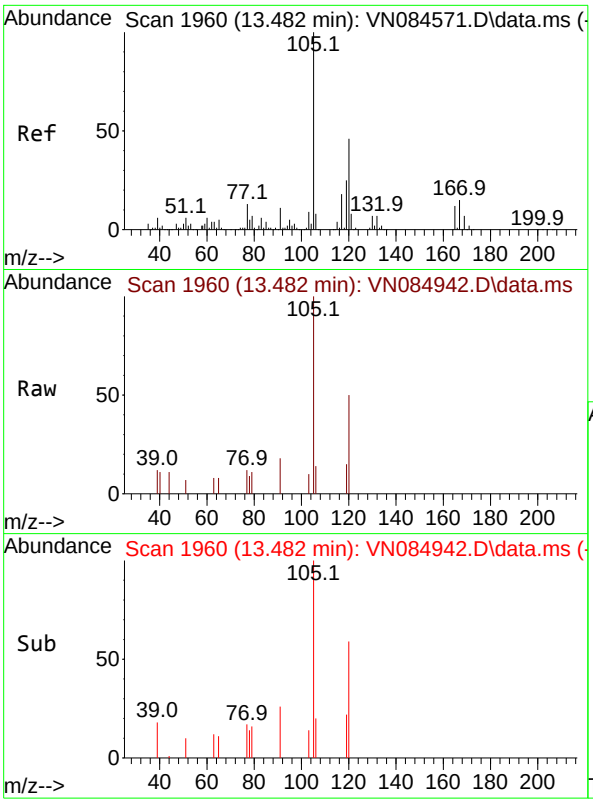


#81
trans-1,4-Dichloro-2-butene
Concen: 69.220 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion: 75 Resp: 76649

Ion	Ratio	Lower	Upper
75	100		
53	0.0	78.0	117.0#
89	0.0	35.5	53.3#



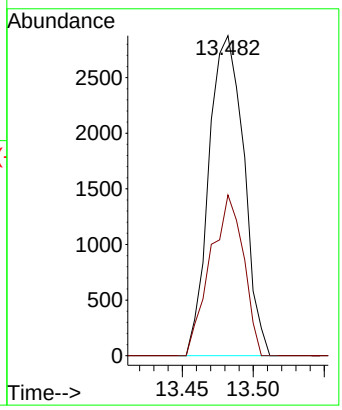


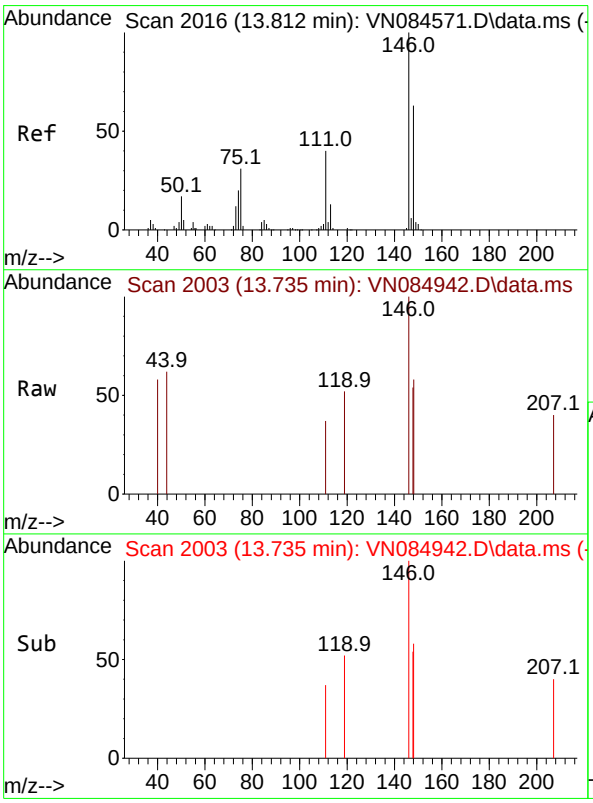
#84
1,2,4-Trimethylbenzene
Concen: 0.623 ug/l
RT: 13.482 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

Tgt Ion:105 Resp: 4908

Ion	Ratio	Lower	Upper
105	100		
120	47.9	22.3	66.8

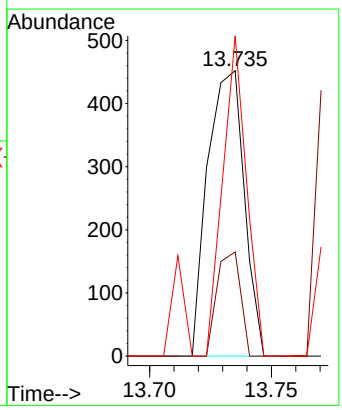


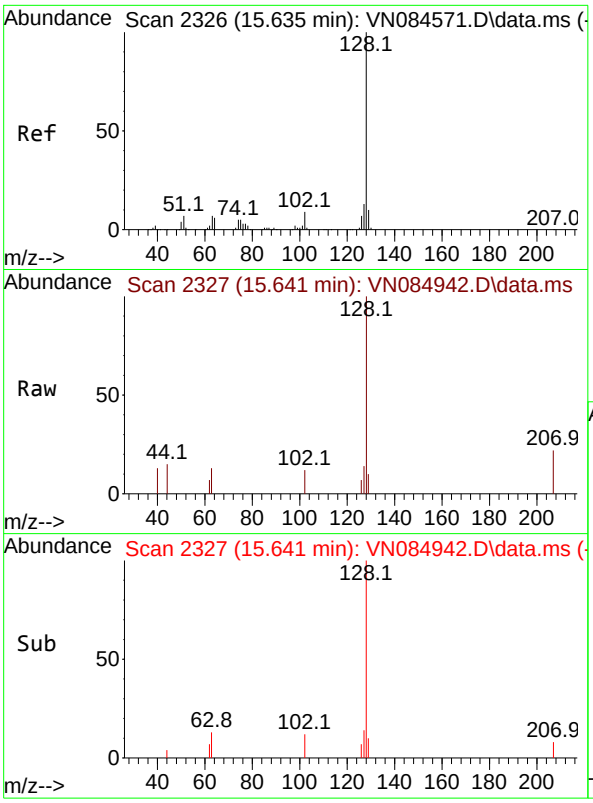


#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.735 min Scan# 2003
Delta R.T. -0.077 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion:146 Resp: 471

Ion	Ratio	Lower	Upper
146	100		
111	23.6	21.2	63.6
148	73.0	31.9	95.9



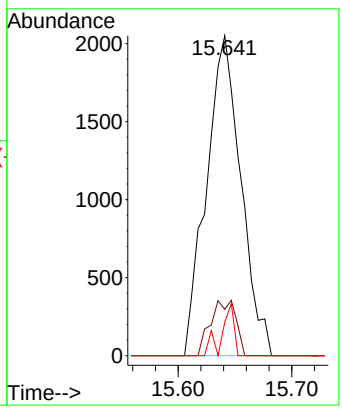


#95
Naphthalene
Concen: 0.569 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

Tgt Ion:128 Resp: 4329

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	5.8	8.7	13.1#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084958.D
Acq On : 19 Nov 2024 19:40
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 20 00:36:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	152211	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	262799	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	243763	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	125759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	101217	46.040	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.080%		
35) Dibromofluoromethane	8.165	113	82767	46.529	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.060%		
50) Toluene-d8	10.565	98	294155	44.891	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.780%		
62) 4-Bromofluorobenzene	12.847	95	120331	49.136	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.280%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	86181	49.253	ug/l	96
3) Chloromethane	2.359	50	98416	47.823	ug/l	99
4) Vinyl Chloride	2.512	62	95390	50.686	ug/l	100
5) Bromomethane	2.901	94	50509	50.654	ug/l	100
6) Chloroethane	3.065	64	64070	55.140	ug/l	96
7) Trichlorofluoromethane	3.465	101	160819	51.874	ug/l	98
8) Diethyl Ether	3.953	74	63564	58.123	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.348	101	92174	52.618	ug/l	100
10) Methyl Iodide	4.571	142	129866	55.469	ug/l	93
11) Tert butyl alcohol	5.548	59	95161	327.929	ug/l	100
12) 1,1-Dichloroethene	4.324	96	88168	50.865	ug/l	95
13) Acrolein	4.171	56	90872	314.037	ug/l	99
14) Allyl chloride	5.006	41	150014	53.365	ug/l	93
15) Acrylonitrile	5.712	53	261014	310.701	ug/l	99
16) Acetone	4.430	43	209022	330.058	ug/l	97
17) Carbon Disulfide	4.695	76	230669	43.213	ug/l	100
18) Methyl Acetate	5.018	43	145022	63.602	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	322468	60.696	ug/l	98
20) Methylene Chloride	5.271	84	106009	54.826	ug/l	91
21) trans-1,2-Dichloroethene	5.777	96	90136	50.642	ug/l	91
22) Diisopropyl ether	6.671	45	324085	58.021	ug/l	98
23) Vinyl Acetate	6.594	43	1180268	306.409	ug/l	99
24) 1,1-Dichloroethane	6.565	63	184882	55.131	ug/l	98
25) 2-Butanone	7.483	43	339995	331.494	ug/l	98
26) 2,2-Dichloropropane	7.483	77	128037	43.867	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	113983	54.845	ug/l	95
28) Bromochloromethane	7.806	49	78627	58.849	ug/l	97
29) Tetrahydrofuran	7.836	42	227099	333.759	ug/l	97
30) Chloroform	7.965	83	191245	56.030	ug/l	99
31) Cyclohexane	8.253	56	150439	49.565	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	174219	56.079	ug/l	97
36) 1,1-Dichloropropene	8.365	75	126651	51.338	ug/l	99
37) Ethyl Acetate	7.559	43	139778	62.448	ug/l	99
38) Carbon Tetrachloride	8.359	117	146903	53.274	ug/l	94
39) Methylcyclohexane	9.600	83	137151	54.647	ug/l	97
40) Benzene	8.600	78	413561	52.199	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084958.D
Acq On : 19 Nov 2024 19:40
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 20 00:36:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	79117	65.730	ug/l		99
42) 1,2-Dichloroethane	8.671	62	141640	55.202	ug/l		100
43) Isopropyl Acetate	8.688	43	267240	64.915	ug/l		97
44) Trichloroethene	9.347	130	94441	51.687	ug/l		97
45) 1,2-Dichloropropane	9.618	63	100152	53.888	ug/l		97
46) Dibromomethane	9.706	93	72686	55.425	ug/l		98
47) Bromodichloromethane	9.888	83	151877	54.940	ug/l		100
48) Methyl methacrylate	9.677	41	110720	63.558	ug/l		98
49) 1,4-Dioxane	9.694	88	37704	1221.395	ug/l	#	80
51) 4-Methyl-2-Pentanone	10.441	43	723314	338.982	ug/l		99
52) Toluene	10.630	92	252390	54.469	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	145760	50.939	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	157666	52.060	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	98556	56.465	ug/l		97
56) Ethyl methacrylate	10.871	69	164088	64.993	ug/l		96
57) 1,3-Dichloropropane	11.159	76	167387	55.879	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	377615	319.637	ug/l		97
59) 2-Hexanone	11.194	43	536162	345.210	ug/l		98
60) Dibromochloromethane	11.359	129	114446	57.532	ug/l		100
61) 1,2-Dibromoethane	11.465	107	99914	55.900	ug/l		99
64) Tetrachloroethene	11.100	164	85091	52.479	ug/l		97
65) Chlorobenzene	11.888	112	269382	49.397	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	99013	52.198	ug/l		99
67) Ethyl Benzene	11.959	91	479657	52.693	ug/l		99
68) m/p-Xylenes	12.071	106	362832	105.283	ug/l		99
69) o-Xylene	12.394	106	177487	55.054	ug/l		99
70) Styrene	12.412	104	303144	53.903	ug/l		99
71) Bromoform	12.576	173	77759	54.478	ug/l	#	99
73) Isopropylbenzene	12.694	105	446353	50.648	ug/l		99
74) N-amyl acetate	12.494	43	213889	57.023	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	151284	51.429	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	191104	76.020	ug/l		55
77) Bromobenzene	12.982	156	107262	45.274	ug/l		98
78) n-propylbenzene	13.035	91	508504	49.239	ug/l		99
79) 2-Chlorotoluene	13.123	91	324690	48.117	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	382483	52.364	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	49380	46.601	ug/l		98
82) 4-Chlorotoluene	13.218	91	327149	46.068	ug/l		99
83) tert-Butylbenzene	13.435	119	326481	54.007	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	386682	51.293	ug/l		98
85) sec-Butylbenzene	13.618	105	433341	50.747	ug/l		99
86) p-Isopropyltoluene	13.729	119	363170	51.858	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	198485	42.928	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	199901	47.062	ug/l		99
89) n-Butylbenzene	14.053	91	300302	45.841	ug/l		100
90) Hexachloroethane	14.329	117	70949	45.429	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	207798	46.770	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	30515	51.205	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	99130	40.763	ug/l		97
94) Hexachlorobutadiene	15.500	225	44047	41.245	ug/l		98
95) Naphthalene	15.635	128	361946	49.725	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	99818	42.284	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084958.D
Acq On : 19 Nov 2024 19:40
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 20 00:36:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

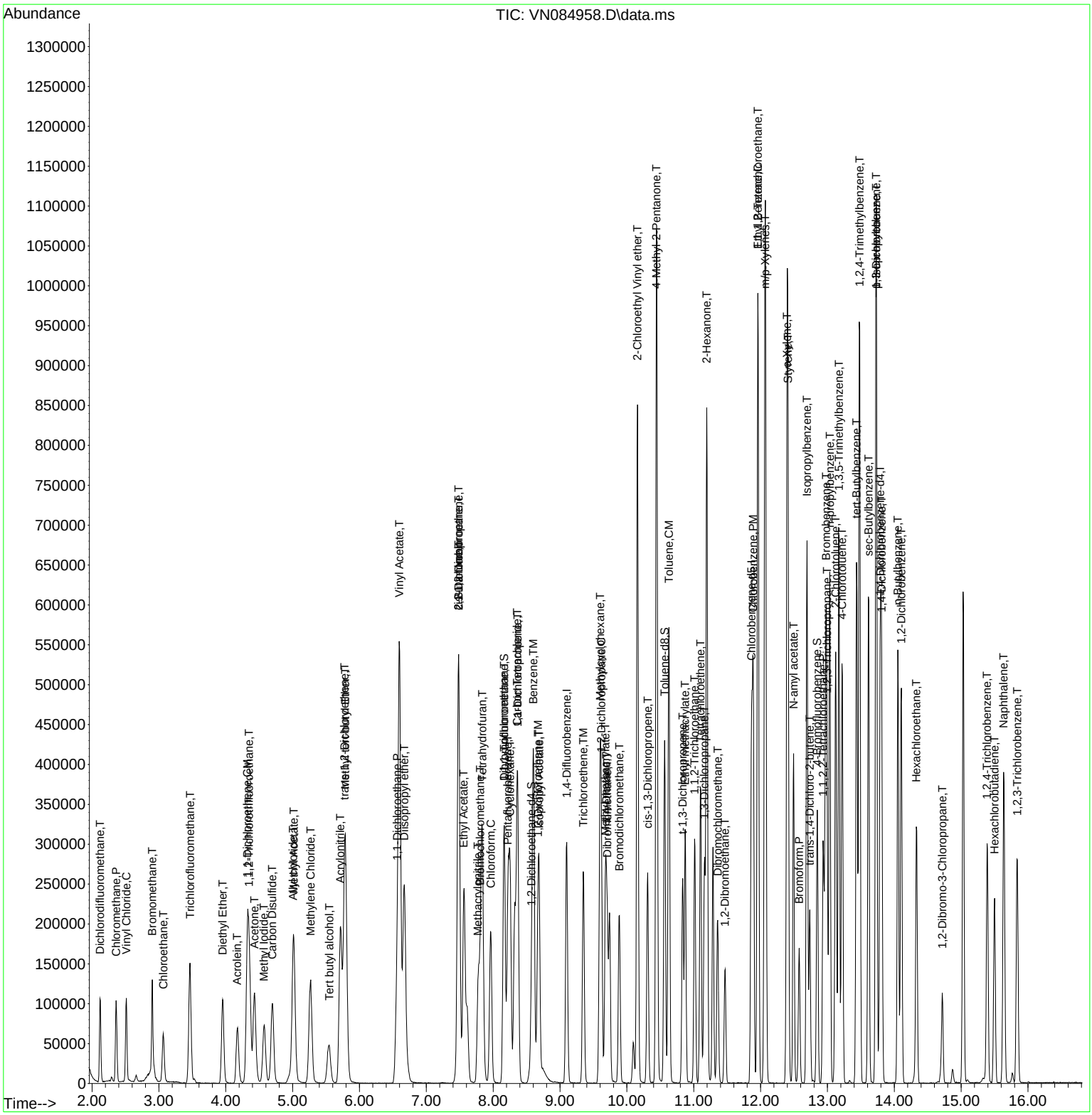
(#) = qualifier out of range (m) = manual integration (+) = signals summed

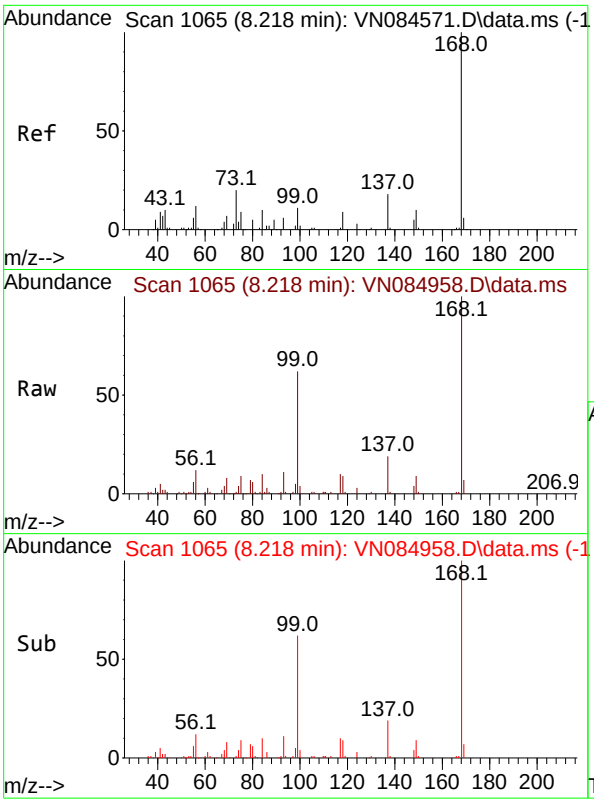
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084958.D
Acq On : 19 Nov 2024 19:40
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 20 00:36:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



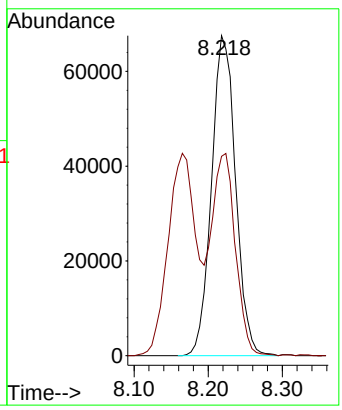


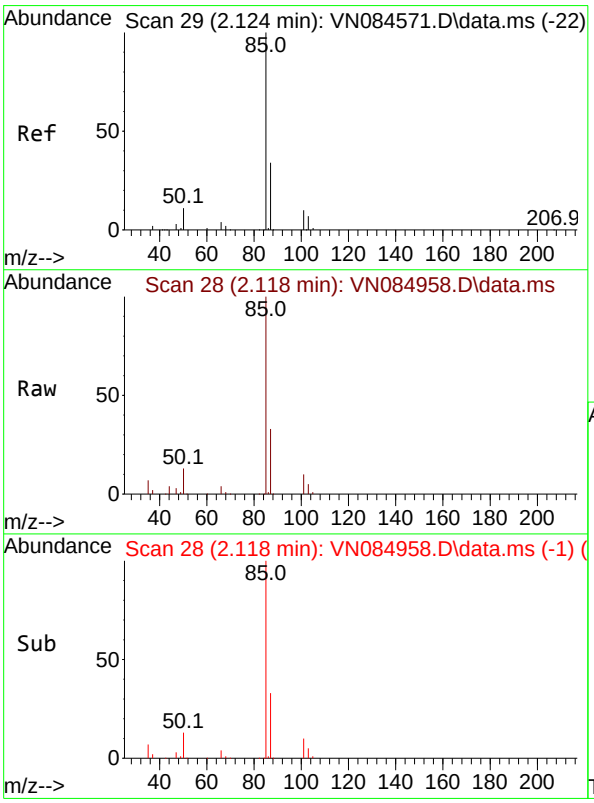
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 152211

Ion	Ratio	Lower	Upper
168	100		
99	62.3	54.2	81.2

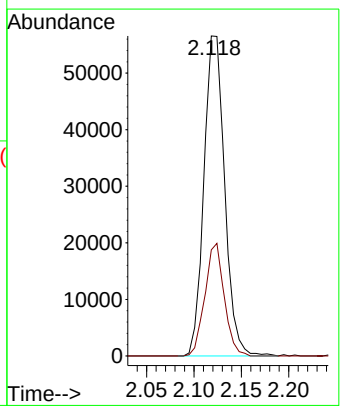


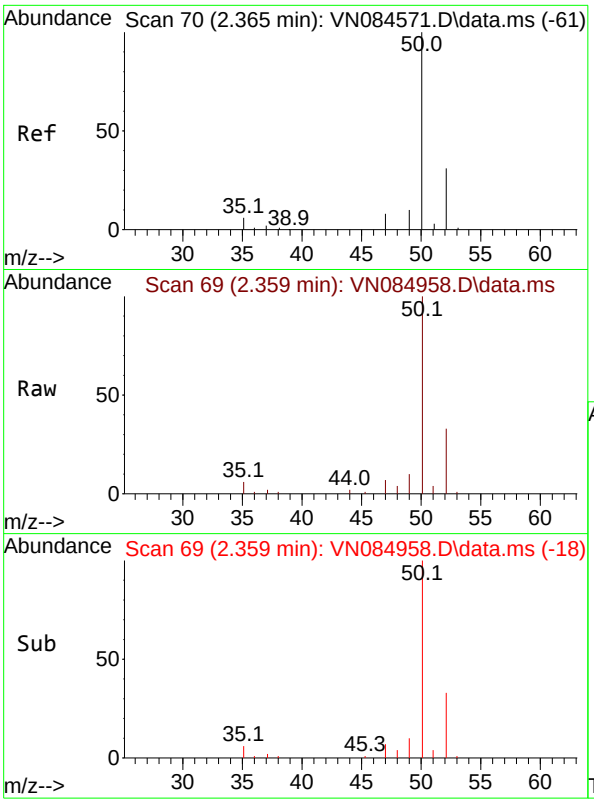


#2
Dichlorodifluoromethane
Concen: 49.253 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 85 Resp: 86181

Ion	Ratio	Lower	Upper
85	100		
87	33.1	17.6	52.9



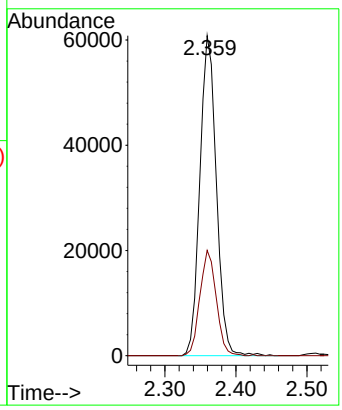


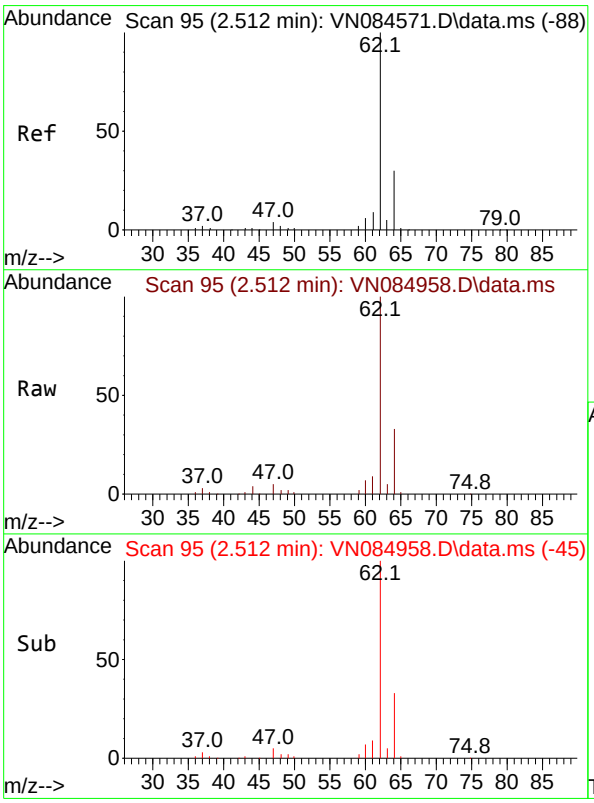
#3
Chloromethane
Concen: 47.823 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 98416

Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.8	40.2

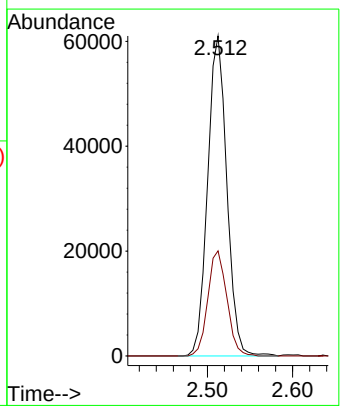


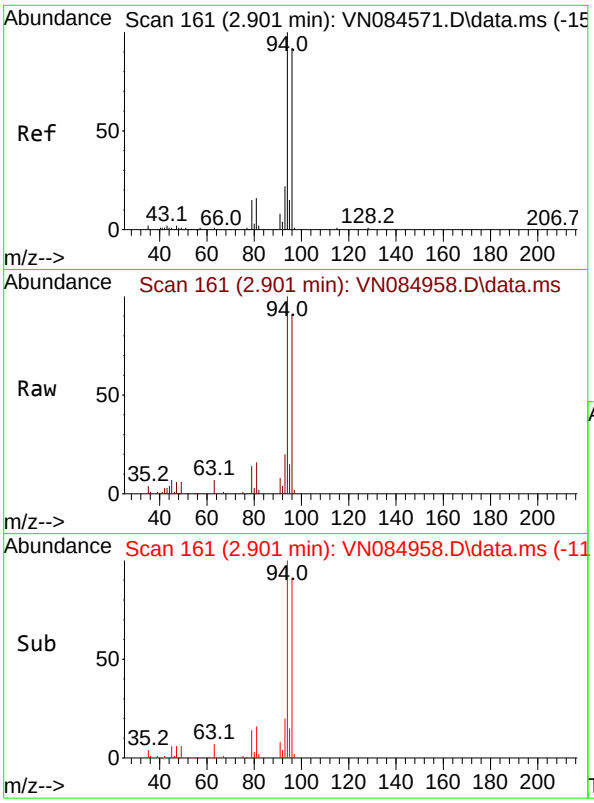


#4
Vinyl Chloride
Concen: 50.686 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 62 Resp: 95390

Ion	Ratio	Lower	Upper
62	100		
64	32.9	26.2	39.4



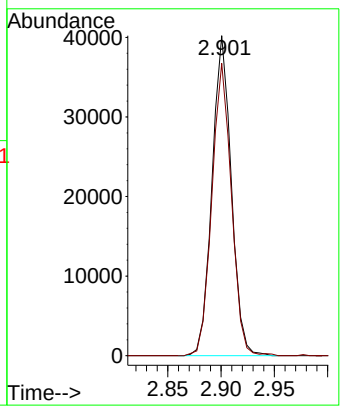


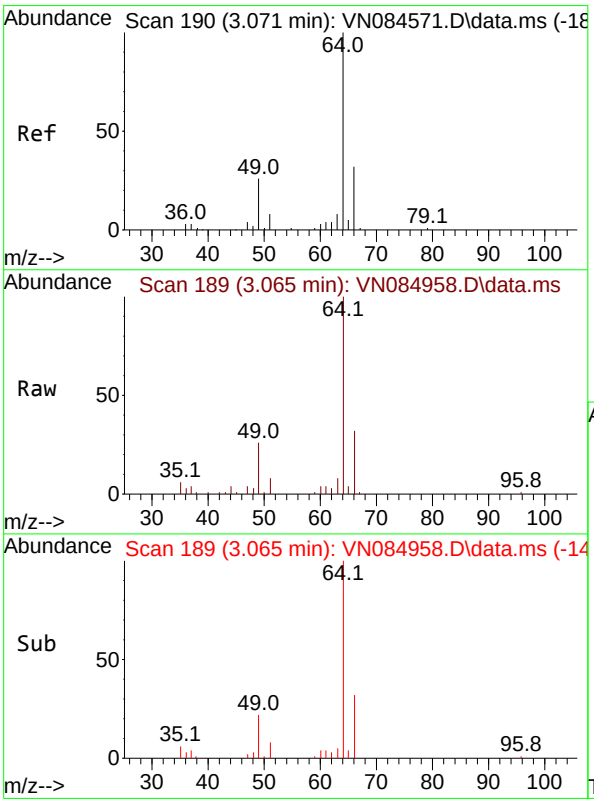
#5
Bromomethane
Concen: 50.654 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.052 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 50509

Ion	Ratio	Lower	Upper
94	100		
96	91.3	72.9	109.3

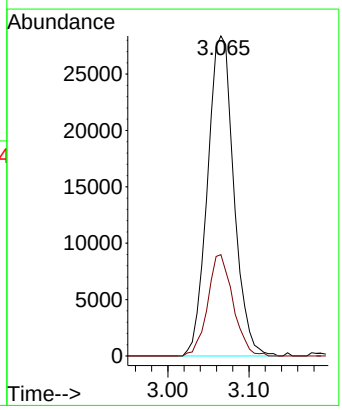


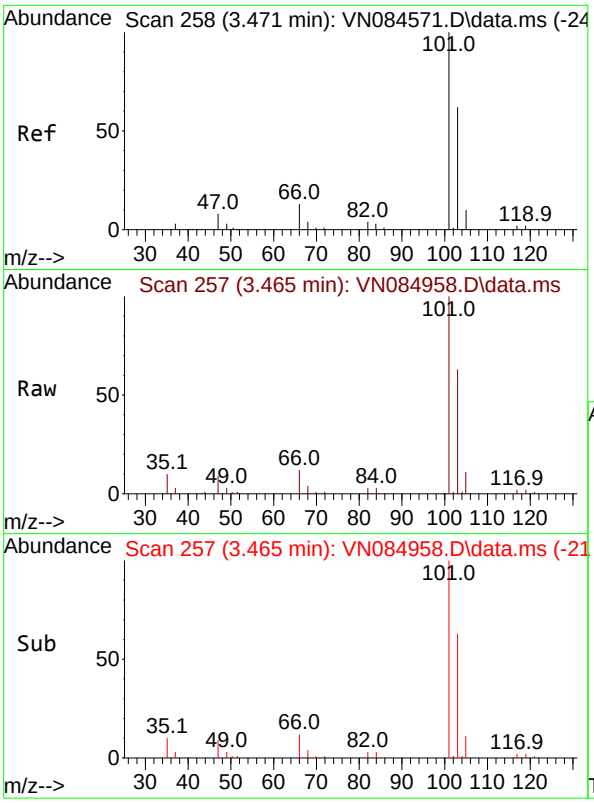


#6
Chloroethane
Concen: 55.140 ug/l
RT: 3.065 min Scan# 189
Delta R.T. -0.053 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 64 Resp: 64070

Ion	Ratio	Lower	Upper
64	100		
66	31.6	23.5	35.3



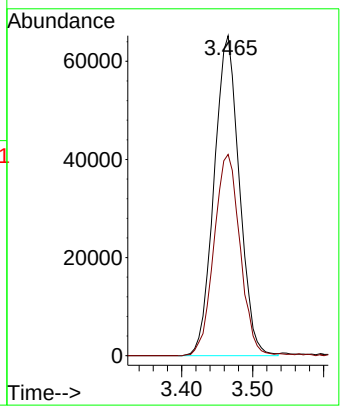


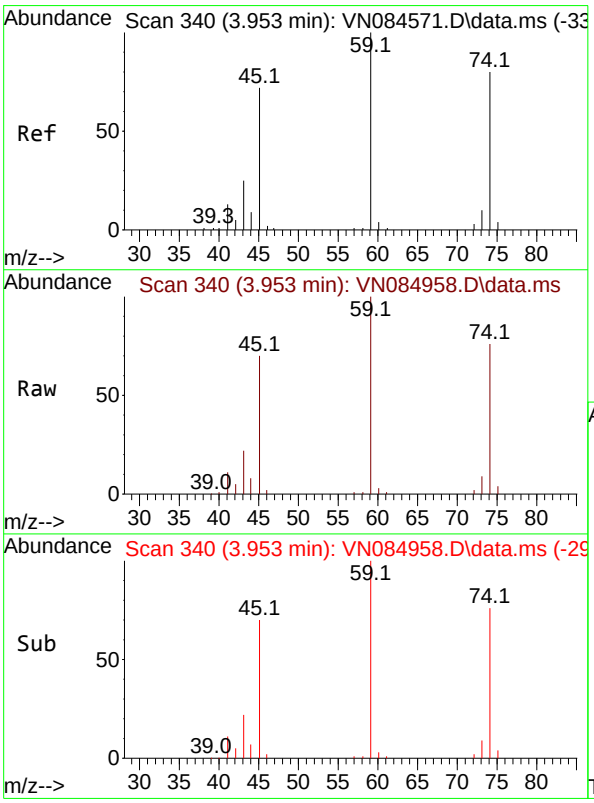
#7
Trichlorofluoromethane
Concen: 51.874 ug/l
RT: 3.465 min Scan# 2
Delta R.T. -0.030 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 160819

Ion	Ratio	Lower	Upper
101	100		
103	62.9	51.8	77.6

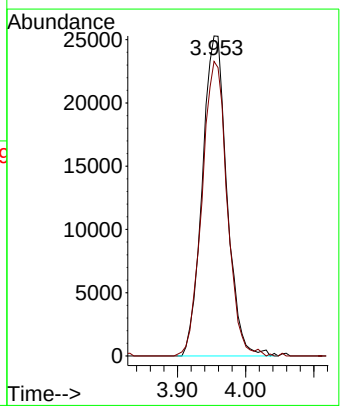


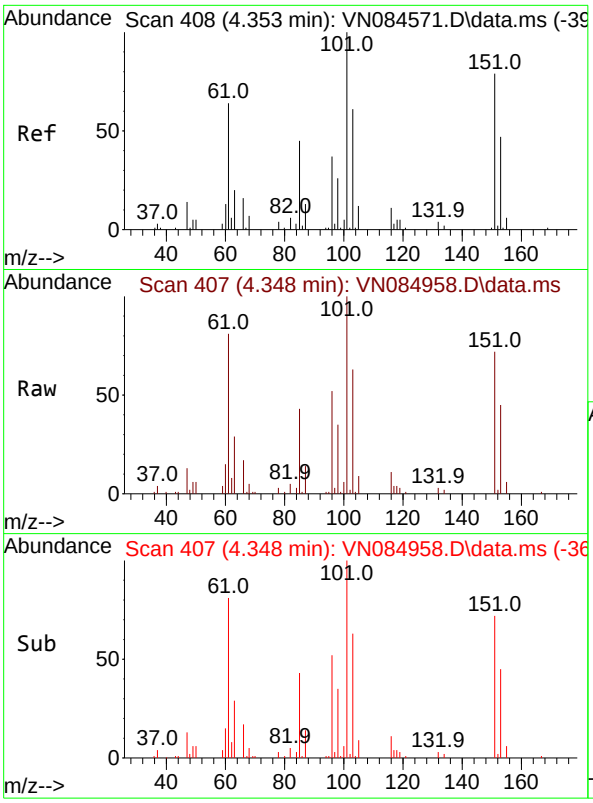


#8
Diethyl Ether
Concen: 58.123 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 74 Resp: 63564

Ion	Ratio	Lower	Upper
74	100		
45	93.6	47.7	143.1



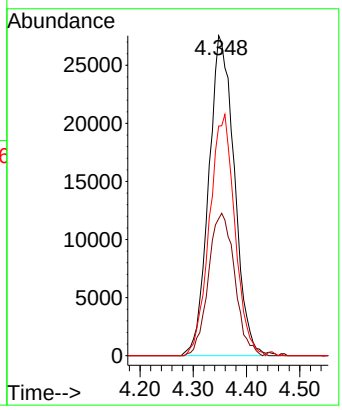


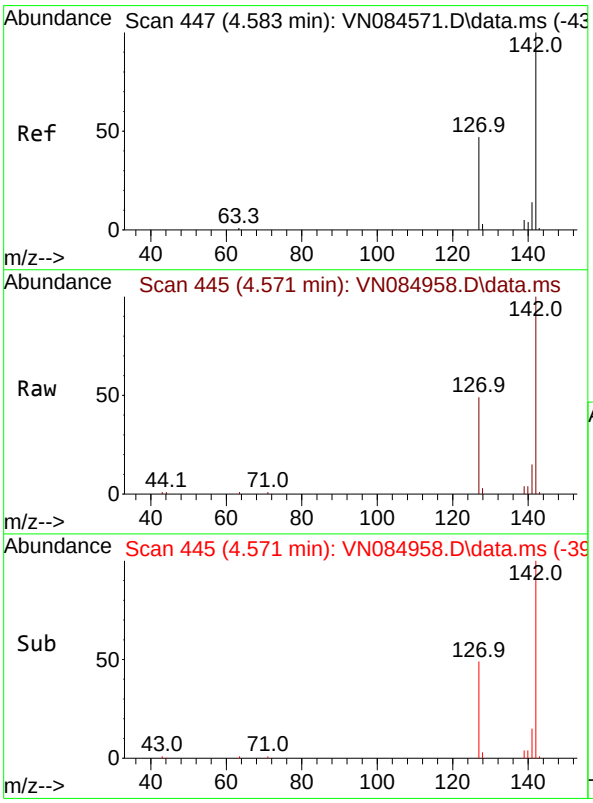
#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.618 ug/l
RT: 4.348 min Scan# 4(
Delta R.T. -0.023 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 92174

Ion	Ratio	Lower	Upper
101	100		
85	45.6	36.2	54.4
151	74.5	59.3	88.9

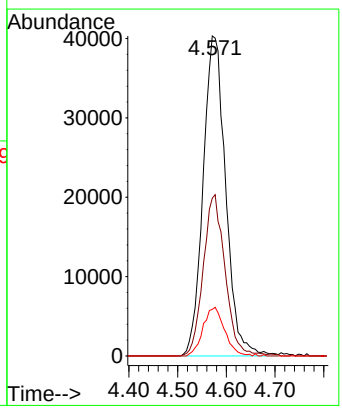


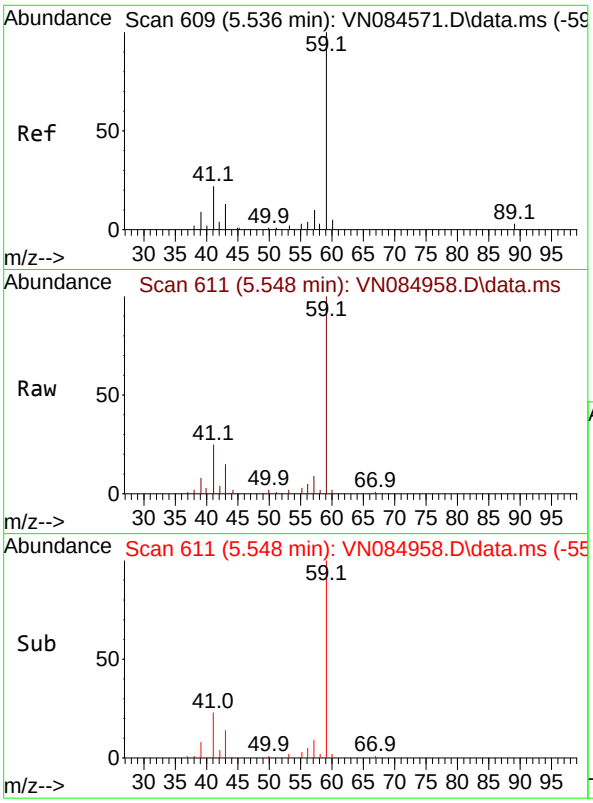


#10
Methyl Iodide
Concen: 55.469 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.023 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:142 Resp: 129866

Ion	Ratio	Lower	Upper
142	100		
127	49.3	35.3	52.9
141	14.5	11.0	16.6



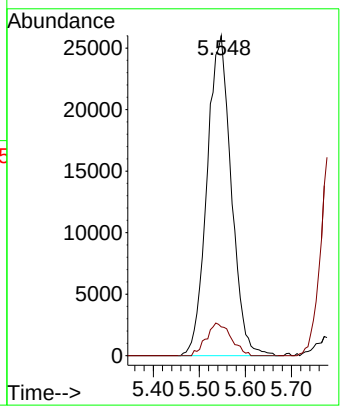


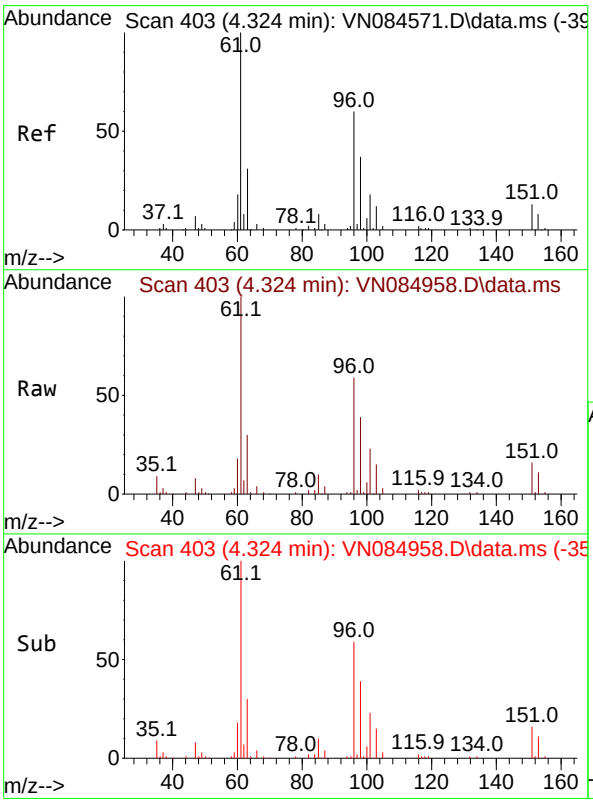
#11
Tert butyl alcohol
Concen: 327.929 ug/l
RT: 5.548 min Scan# 61
Delta R.T. 0.024 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 95161

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

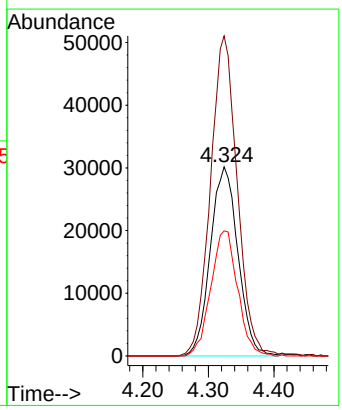


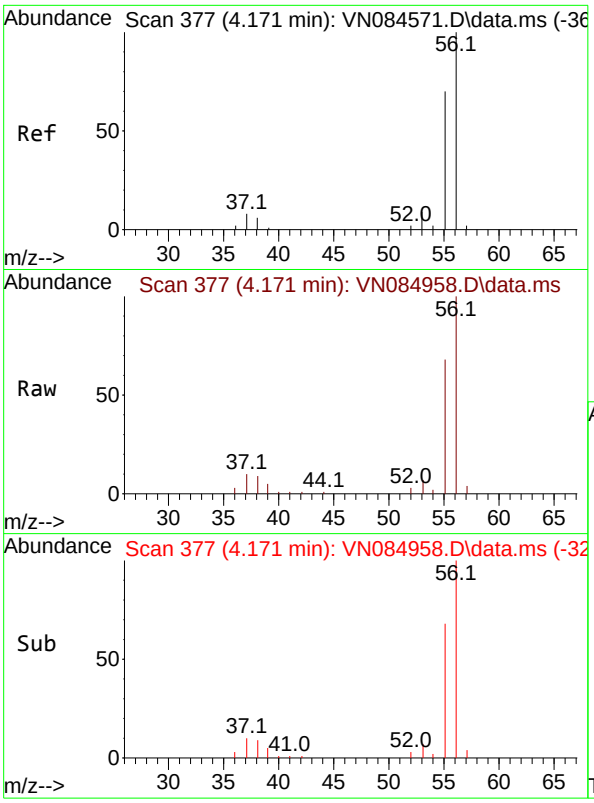


#12
1,1-Dichloroethene
Concen: 50.865 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 96 Resp: 88168

Ion	Ratio	Lower	Upper
96	100		
61	169.2	128.6	192.8
98	66.1	51.7	77.5



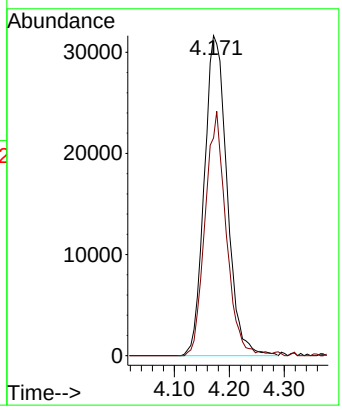


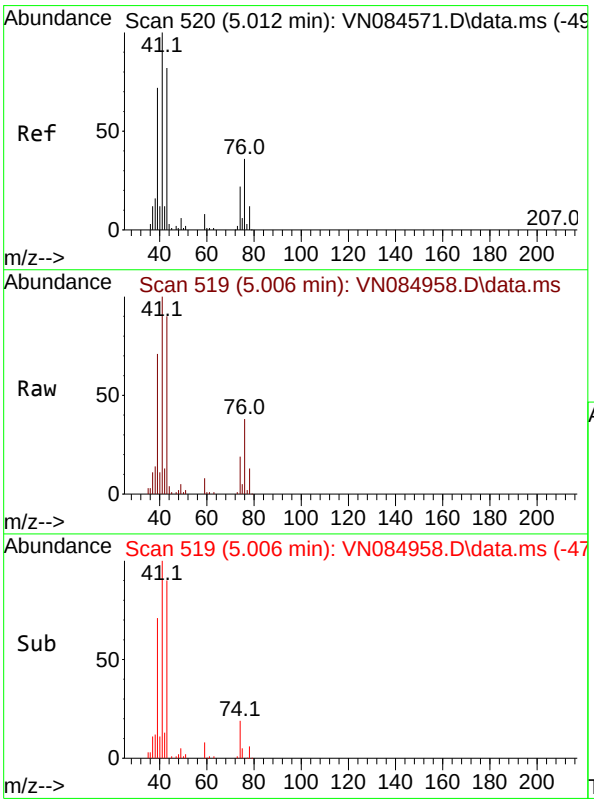
#13
Acrolein
Concen: 314.037 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 90872

Ion	Ratio	Lower	Upper
56	100		
55	70.8	57.2	85.8

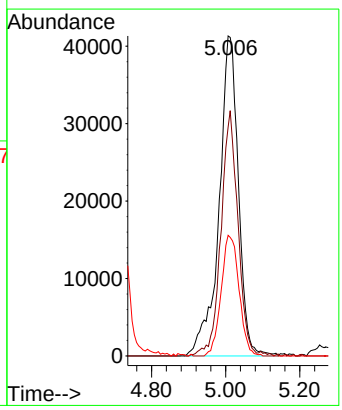


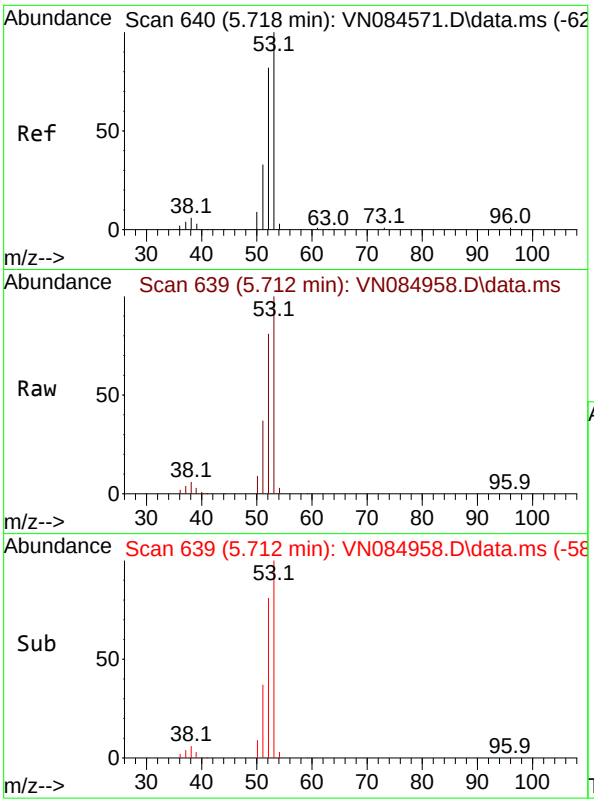


#14
Allyl chloride
Concen: 53.365 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.018 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 41 Resp: 150014

Ion	Ratio	Lower	Upper
41	100		
39	66.8	59.0	88.6
76	34.8	29.8	44.6



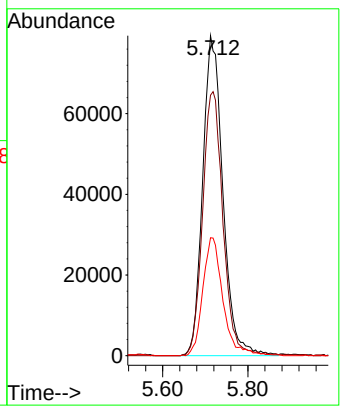


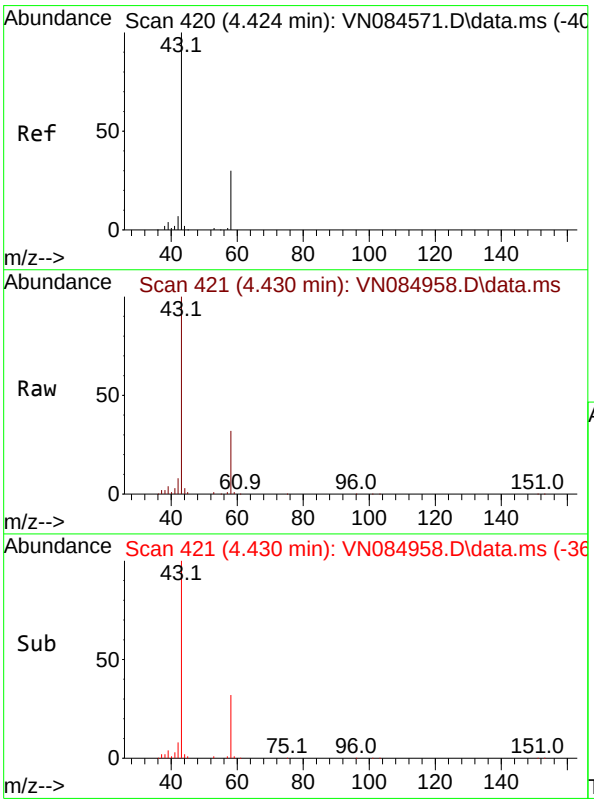
#15
Acrylonitrile
Concen: 310.701 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 261014

Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.4
51	36.8	28.8	43.2

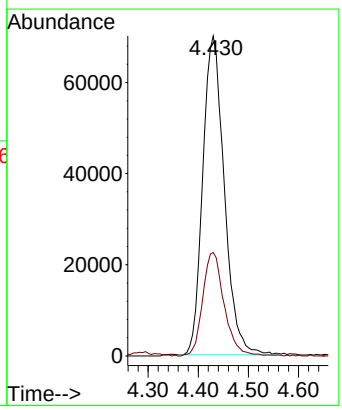


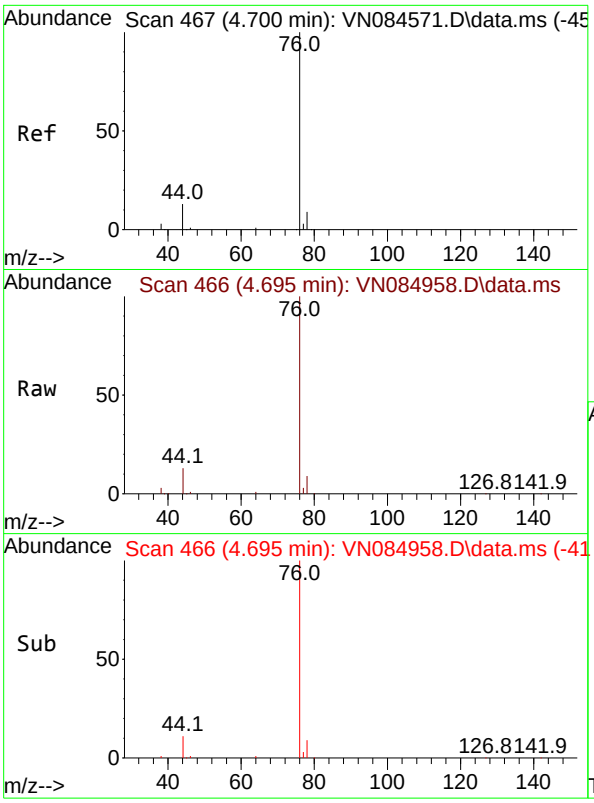


#16
Acetone
Concen: 330.058 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 43 Resp: 209022

Ion	Ratio	Lower	Upper
43	100		
58	32.4	24.4	36.6



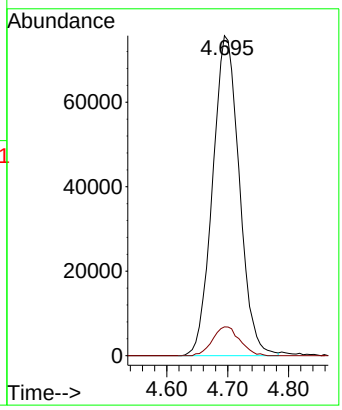


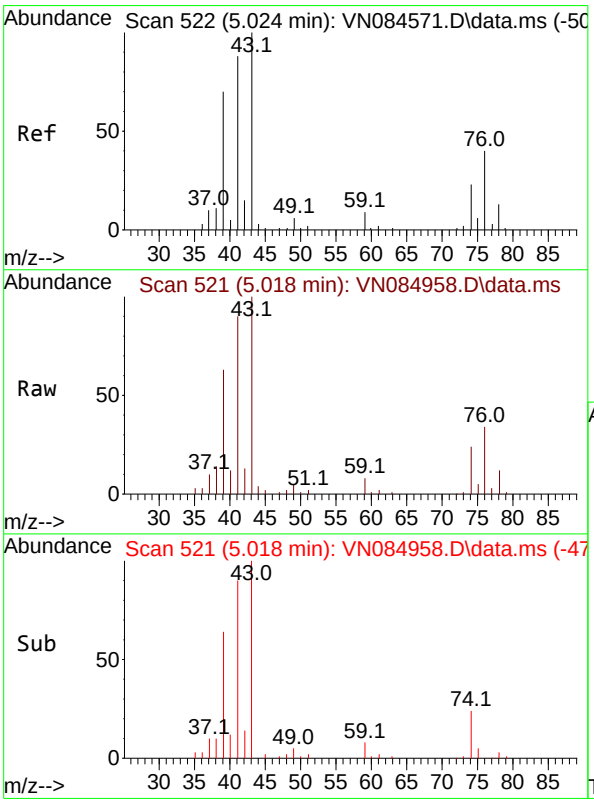
#17
Carbon Disulfide
Concen: 43.213 ug/l
RT: 4.695 min Scan# 4
Delta R.T. -0.017 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 230669

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

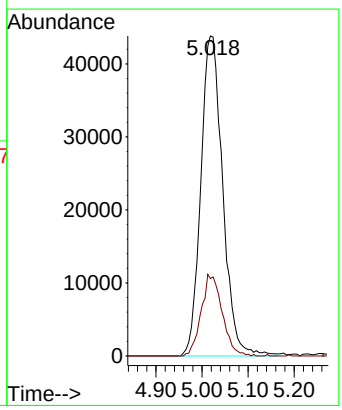


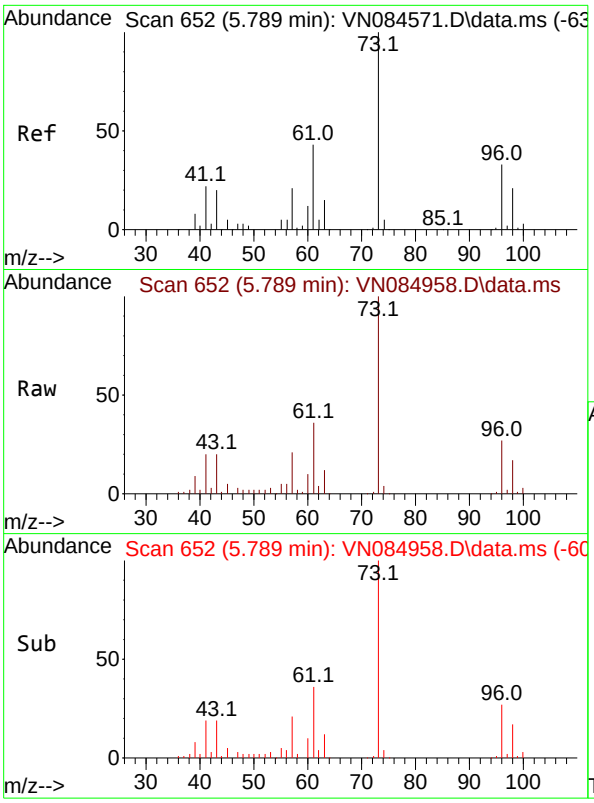


#18
Methyl Acetate
Concen: 63.602 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 43 Resp: 145022

Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.2	28.8



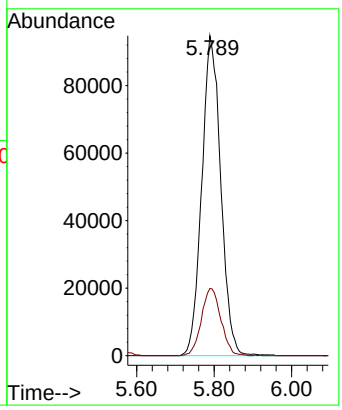


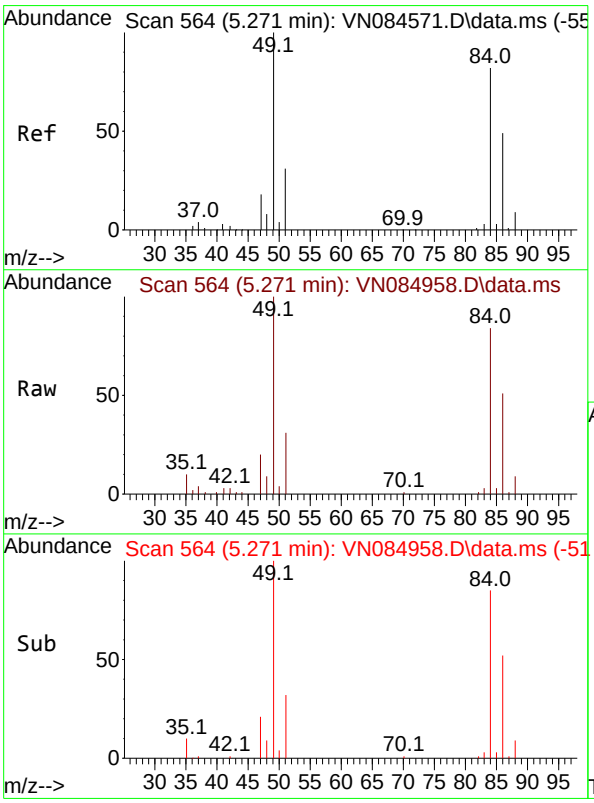
#19
Methyl tert-butyl Ether
Concen: 60.696 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 322468

Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.7	26.5

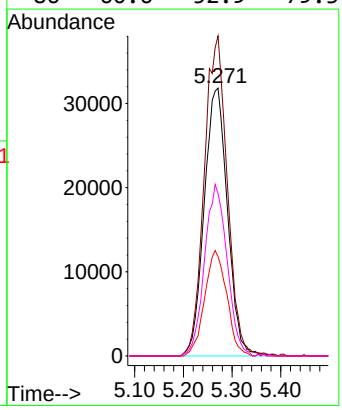


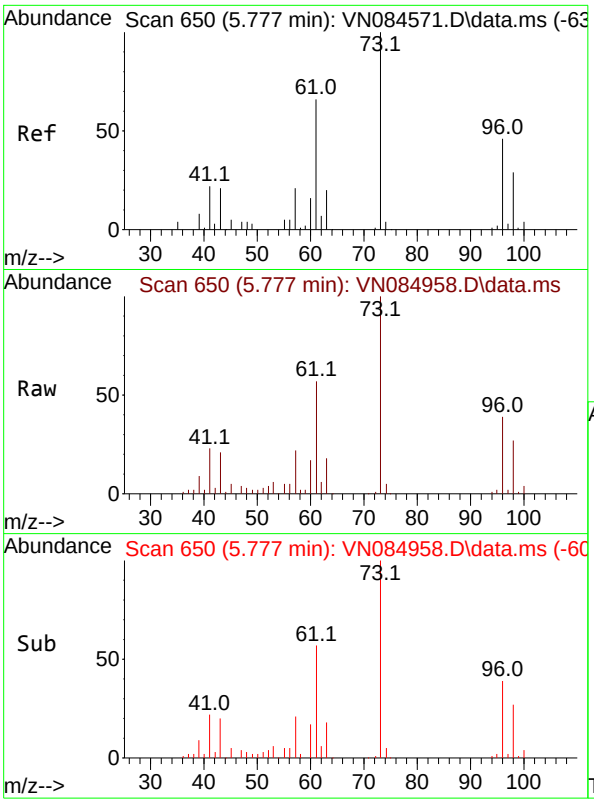


#20
Methylene Chloride
Concen: 54.826 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 84 Resp: 106009

Ion	Ratio	Lower	Upper
84	100		
49	119.5	107.2	160.8
51	37.1	31.8	47.8
86	60.6	52.9	79.3



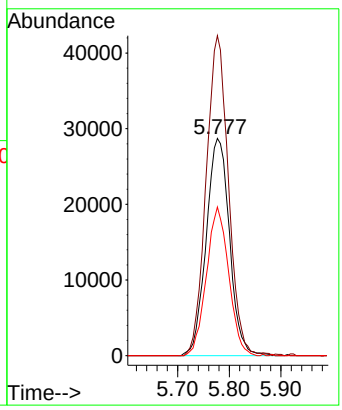


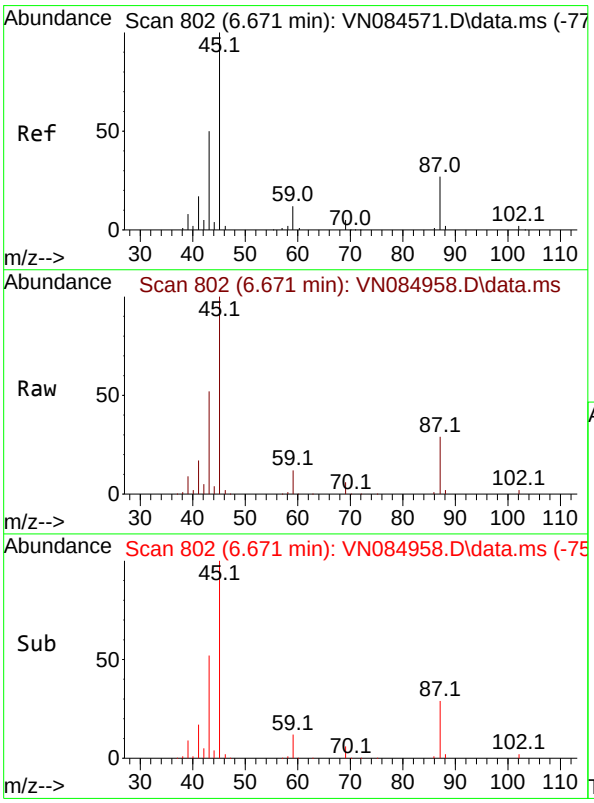
#21
trans-1,2-Dichloroethene
Concen: 50.642 ug/l
RT: 5.777 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 90136

Ion	Ratio	Lower	Upper
96	100		
61	147.3	108.4	162.6
98	68.4	49.8	74.8

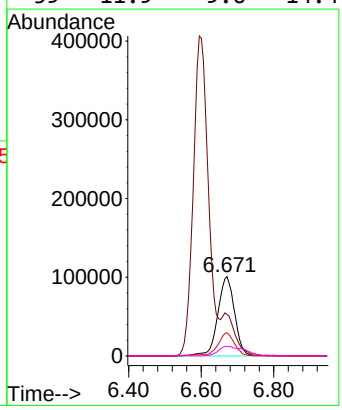


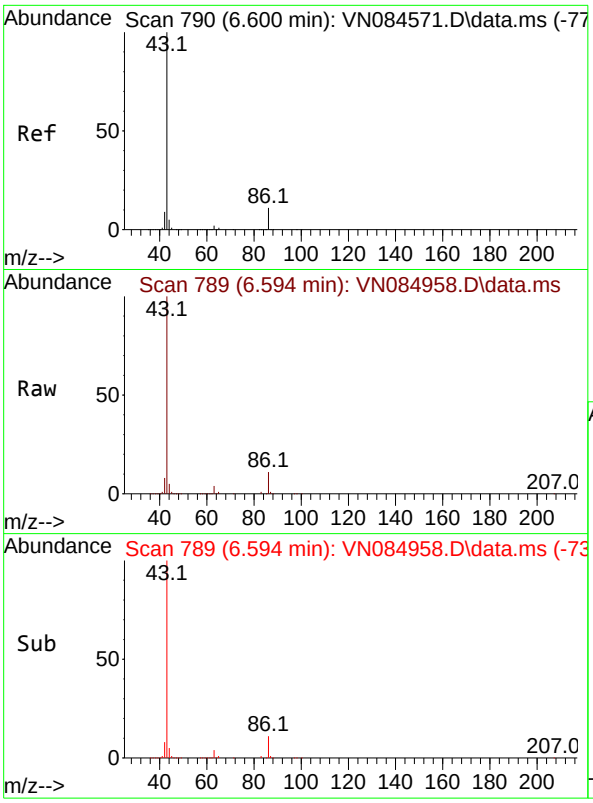


#22
Diisopropyl ether
Concen: 58.021 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 45 Resp: 324085

Ion	Ratio	Lower	Upper
45	100		
43	51.7	42.3	63.5
87	29.1	21.8	32.6
59	11.9	9.6	14.4



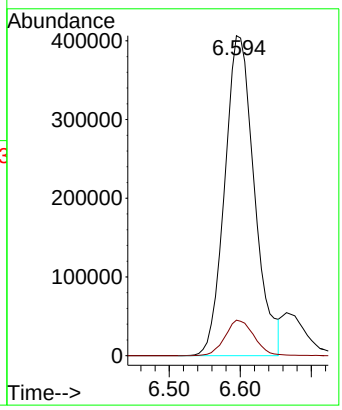


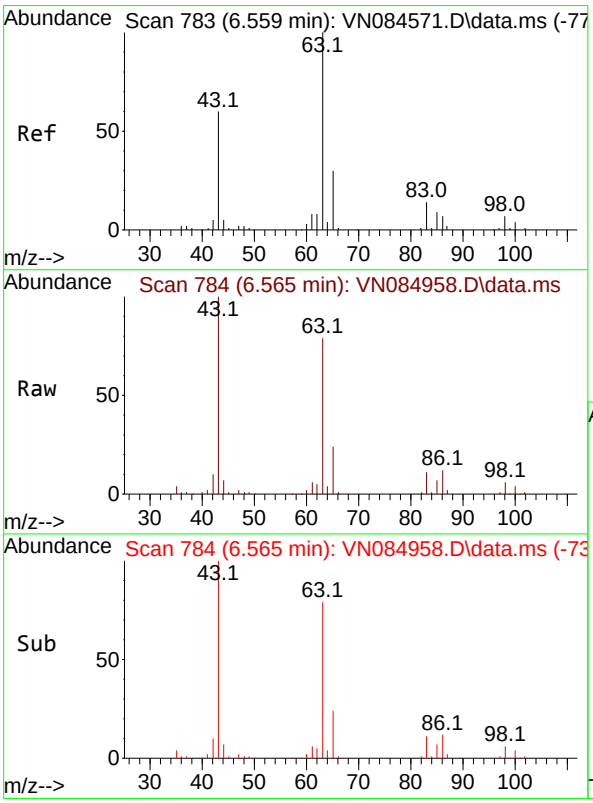
#23
Vinyl Acetate
Concen: 306.409 ug/l
RT: 6.594 min Scan# 7
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1180268

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.6	12.8

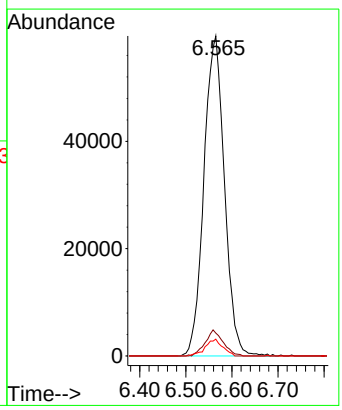


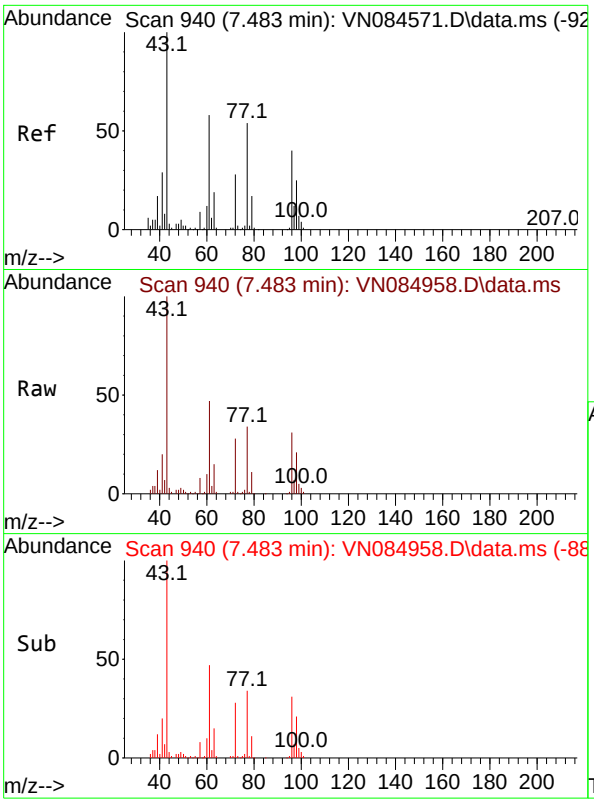


#24
1,1-Dichloroethane
Concen: 55.131 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 63 Resp: 184882

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.4	10.2
100	5.3	2.0	5.8



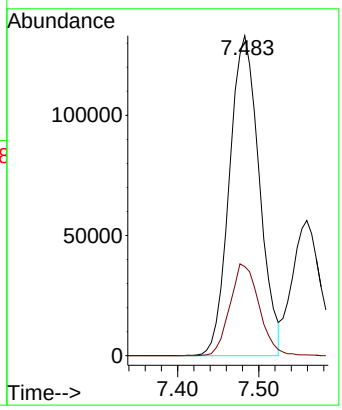


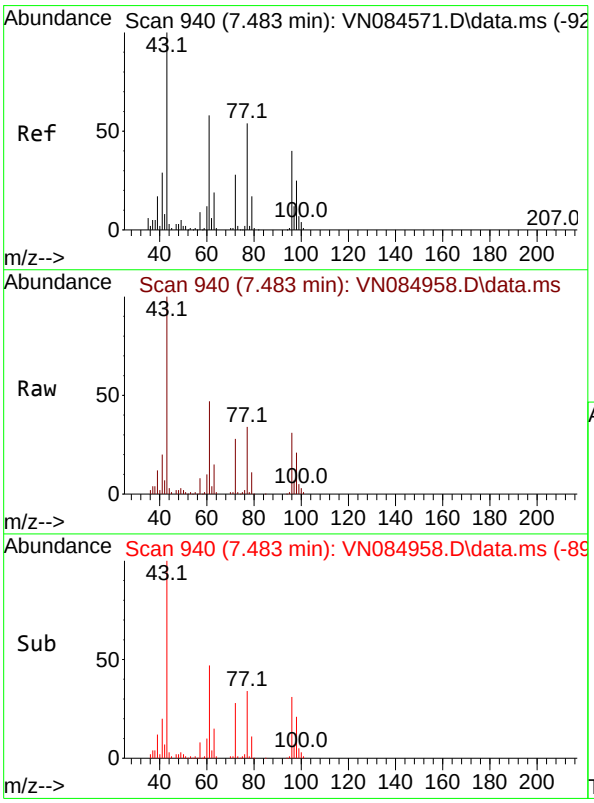
#25
2-Butanone
Concen: 331.494 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 339995

Ion	Ratio	Lower	Upper
43	100		
72	27.9	21.4	32.2

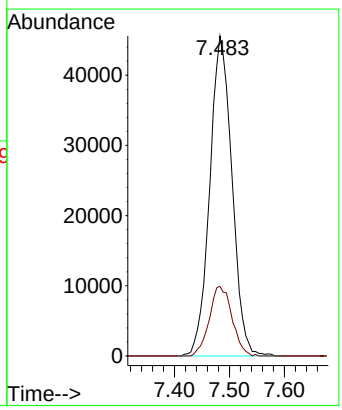


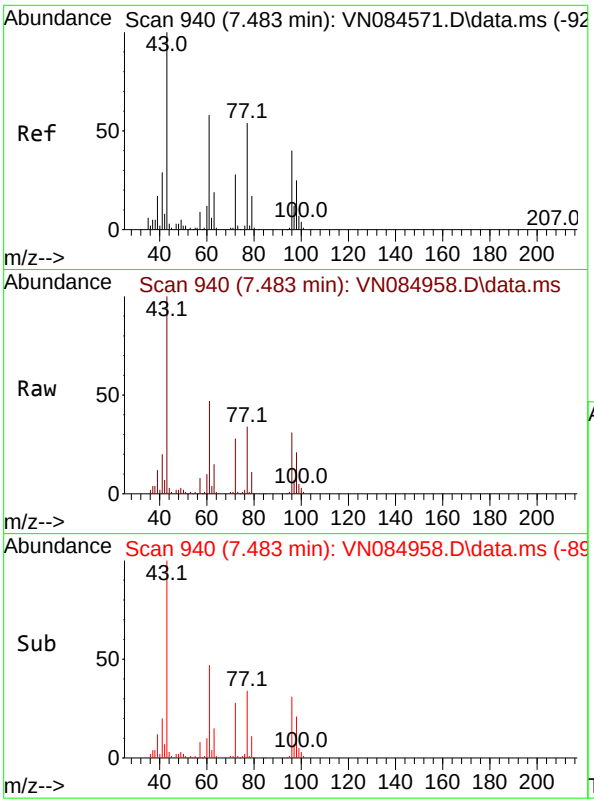


#26
2,2-Dichloropropane
Concen: 43.867 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 77 Resp: 128037

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.8	32.3



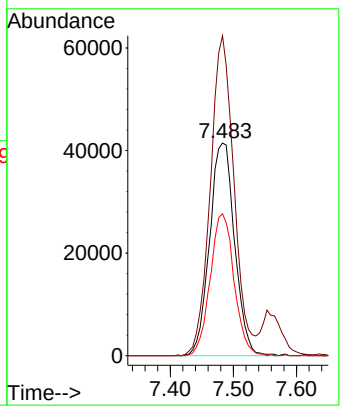


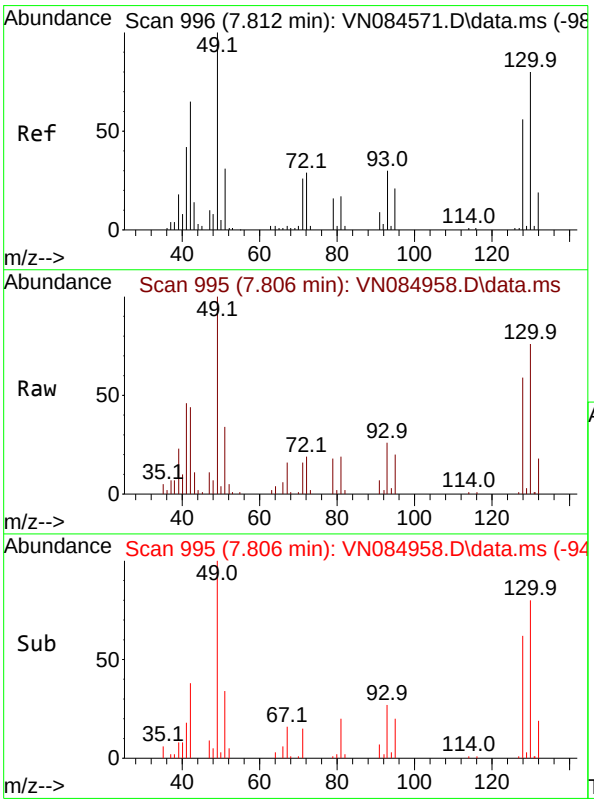
#27
cis-1,2-Dichloroethene
Concen: 54.845 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 113983

Ion	Ratio	Lower	Upper
96	100		
61	142.5	0.0	301.8
98	63.8	0.0	128.2

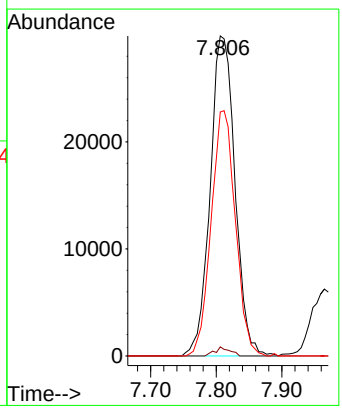


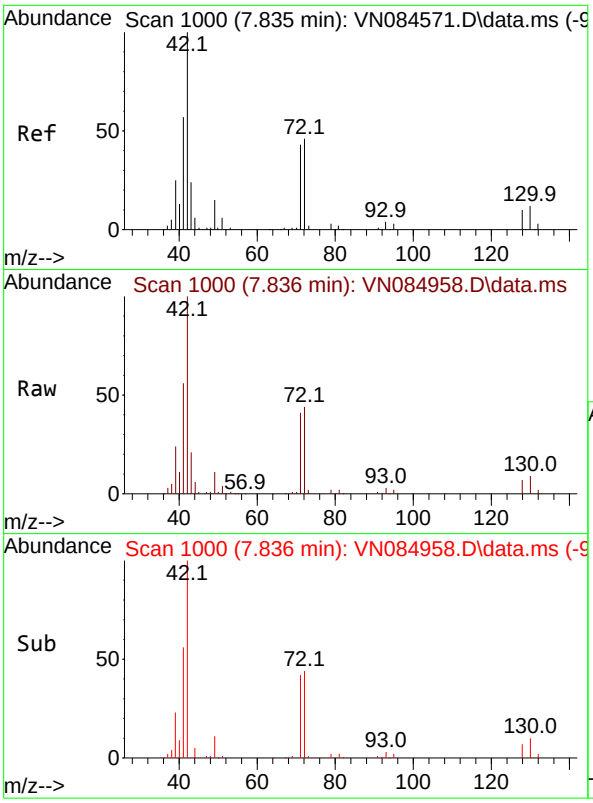


#28
Bromochloromethane
Concen: 58.849 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 49 Resp: 78627

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	74.7	58.0	87.0



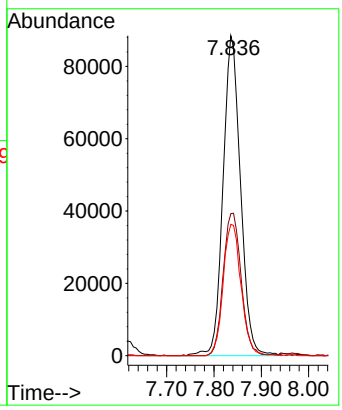


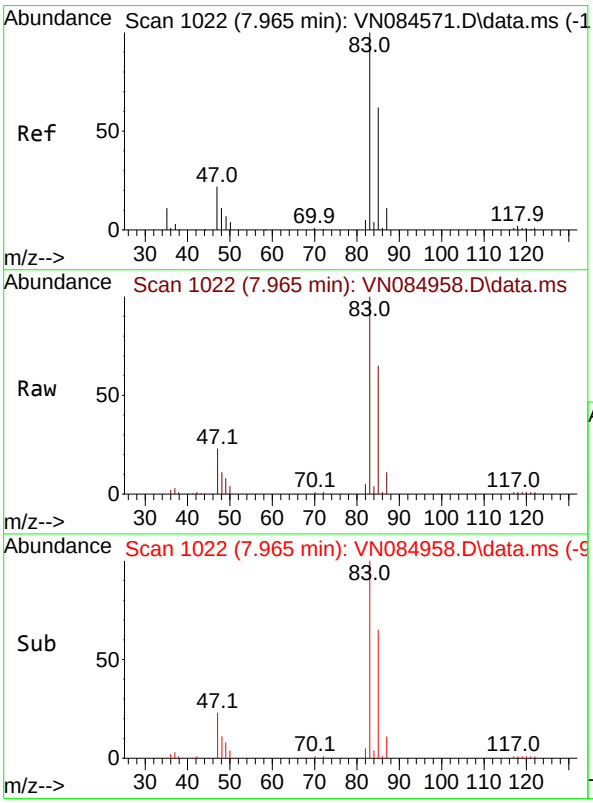
#29
Tetrahydrofuran
Concen: 333.759 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 227099

Ion	Ratio	Lower	Upper
42	100		
72	45.7	34.6	51.8
71	42.0	32.2	48.4

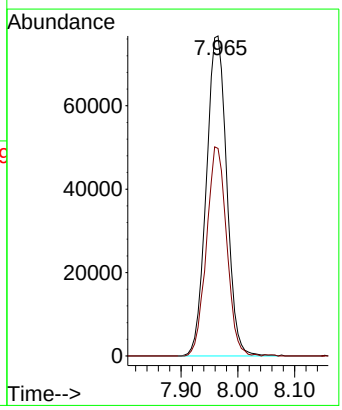


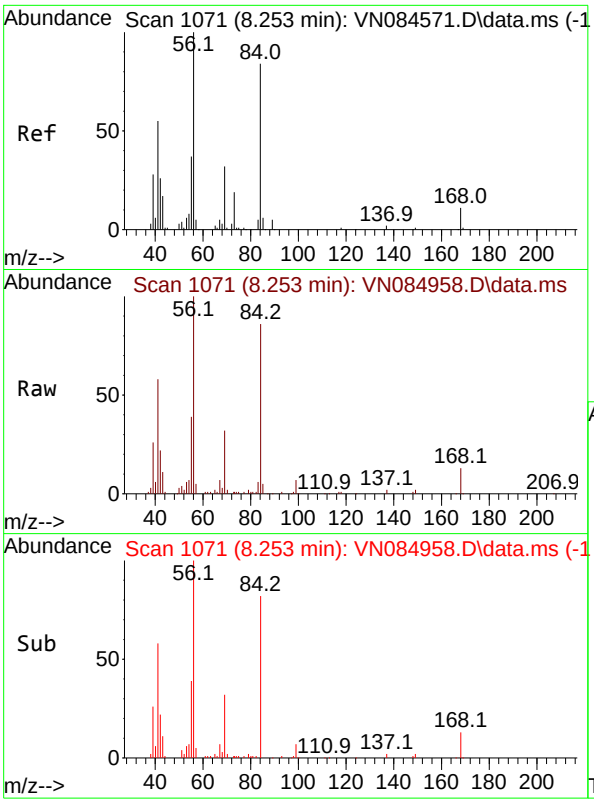


#30
Chloroform
Concen: 56.030 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 83 Resp: 191245

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.0	76.4



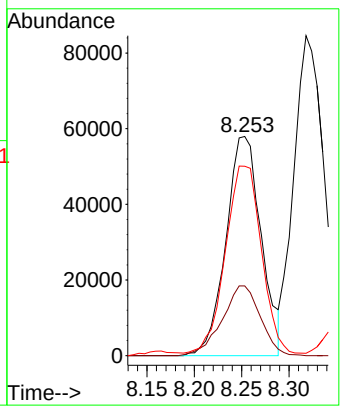


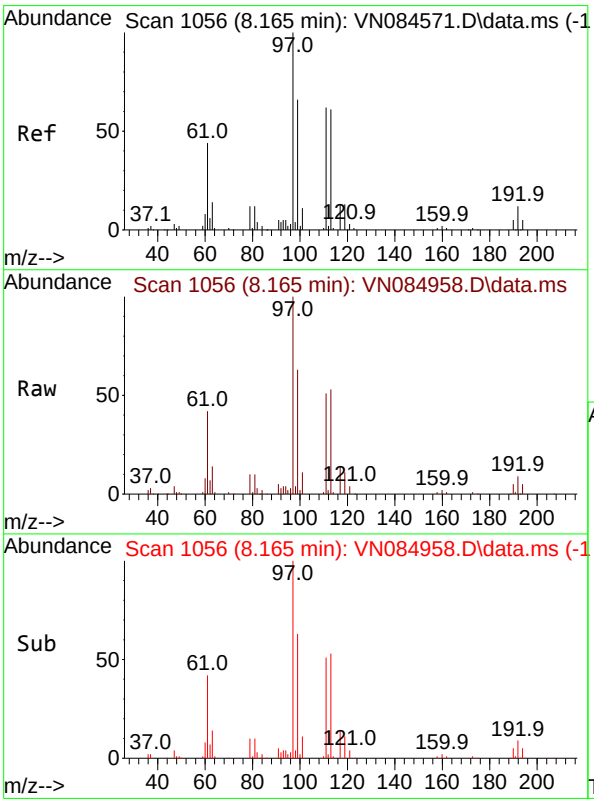
#31
Cyclohexane
Concen: 49.565 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 150439

Ion	Ratio	Lower	Upper
56	100		
69	31.8	23.8	35.6
84	85.1	68.8	103.2

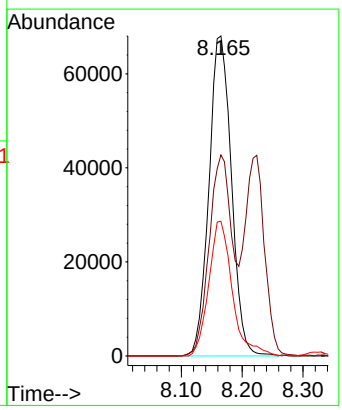


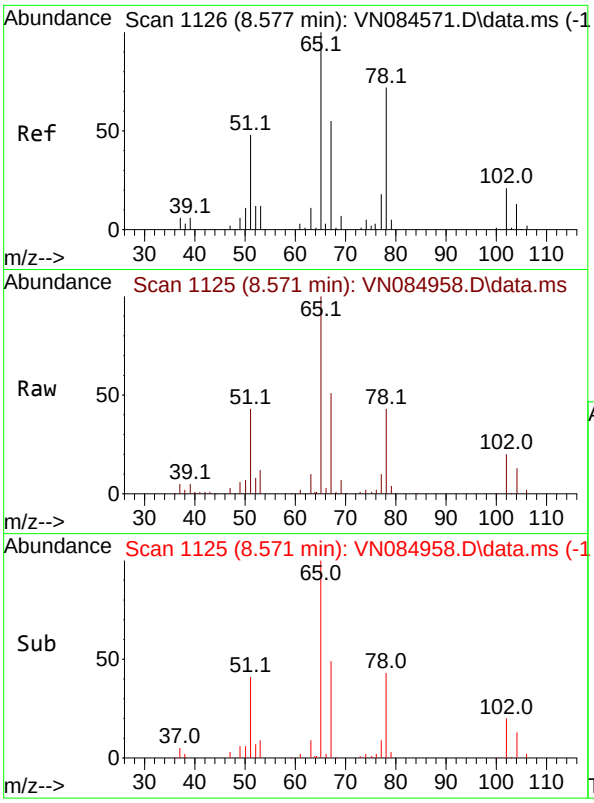


#32
1,1,1-Trichloroethane
Concen: 56.079 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 97 Resp: 174219

Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.2	76.8
61	44.2	37.5	56.3



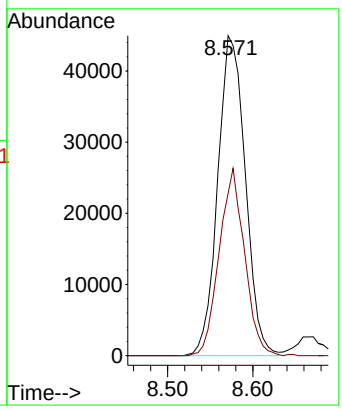


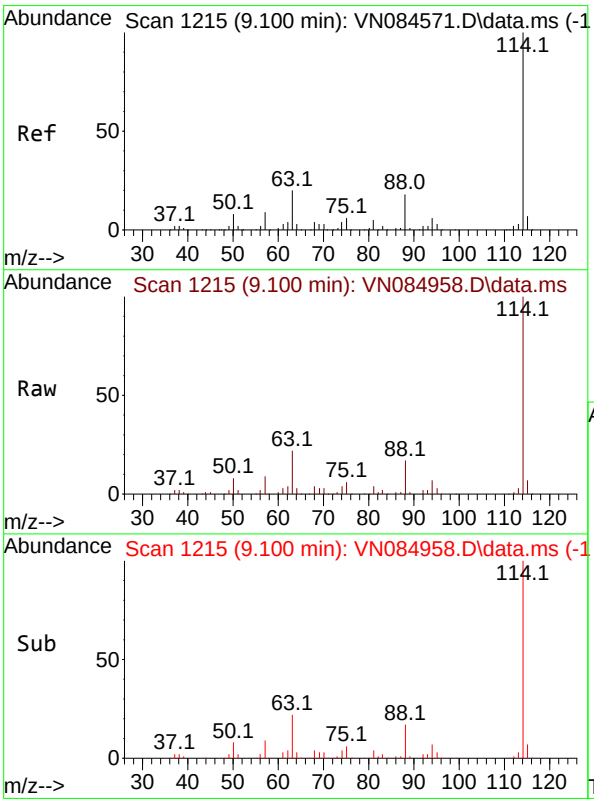
#33
1,2-Dichloroethane-d4
Concen: 46.040 ug/l
RT: 8.571 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 101217

Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	102.0

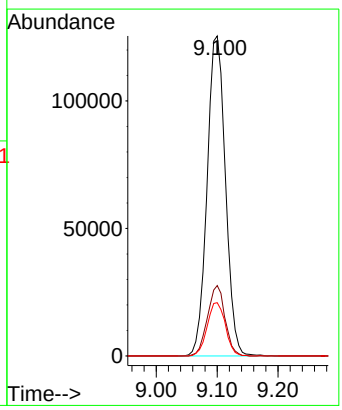


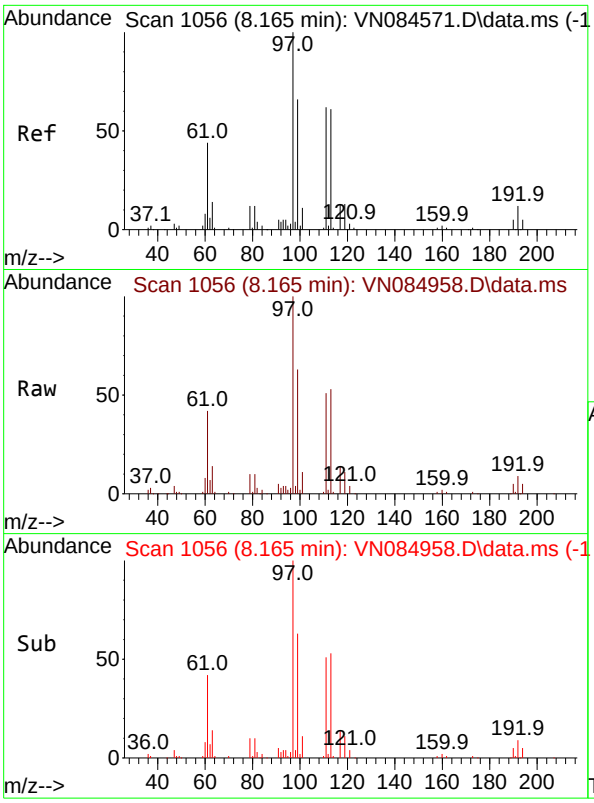


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:114 Resp: 262799

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	43.8
88	16.6	0.0	31.6



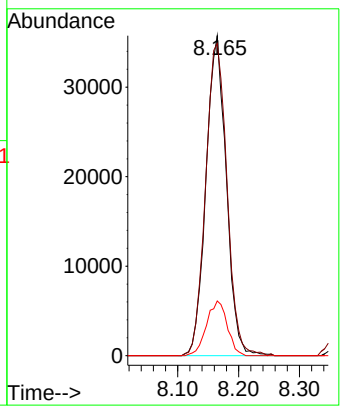


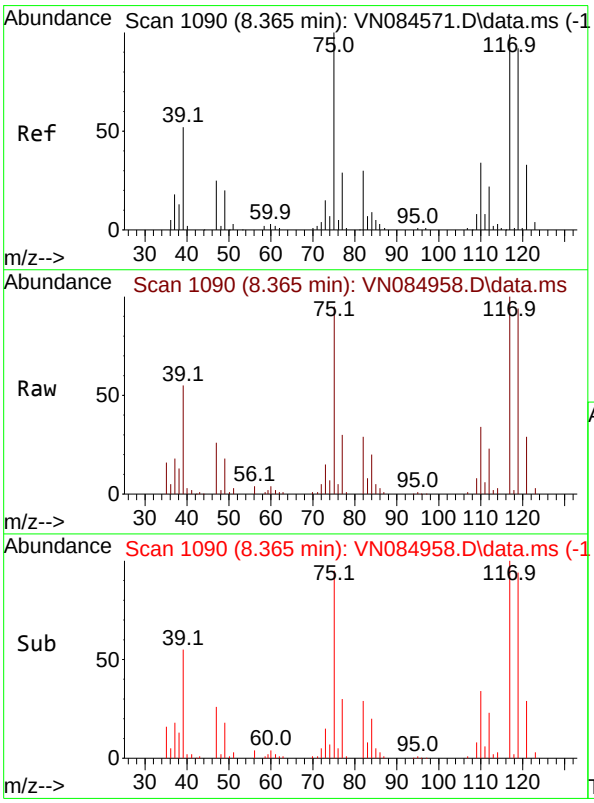
#35
Dibromofluoromethane
Concen: 46.529 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 82767

Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.3	124.9
192	17.5	13.5	20.3

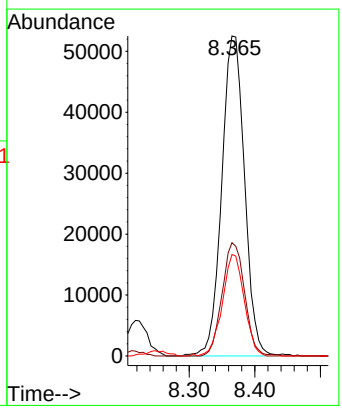


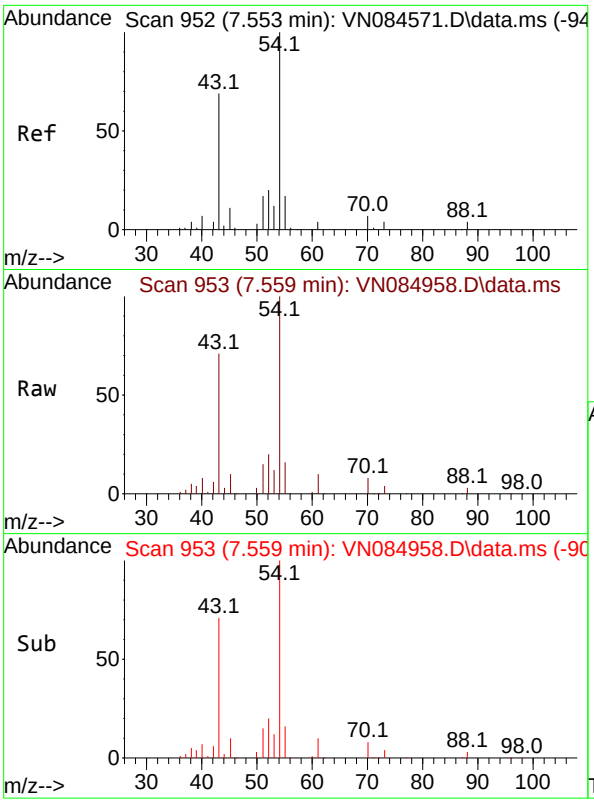


#36
1,1-Dichloropropene
Concen: 51.338 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 75 Resp: 126651

Ion	Ratio	Lower	Upper
75	100		
110	34.9	16.9	50.7
77	30.5	24.7	37.1



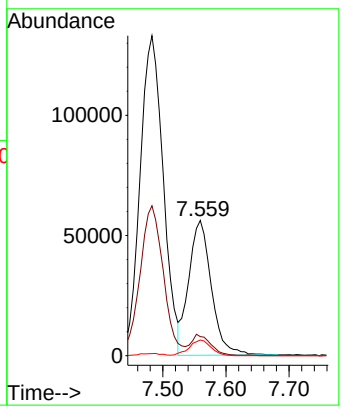


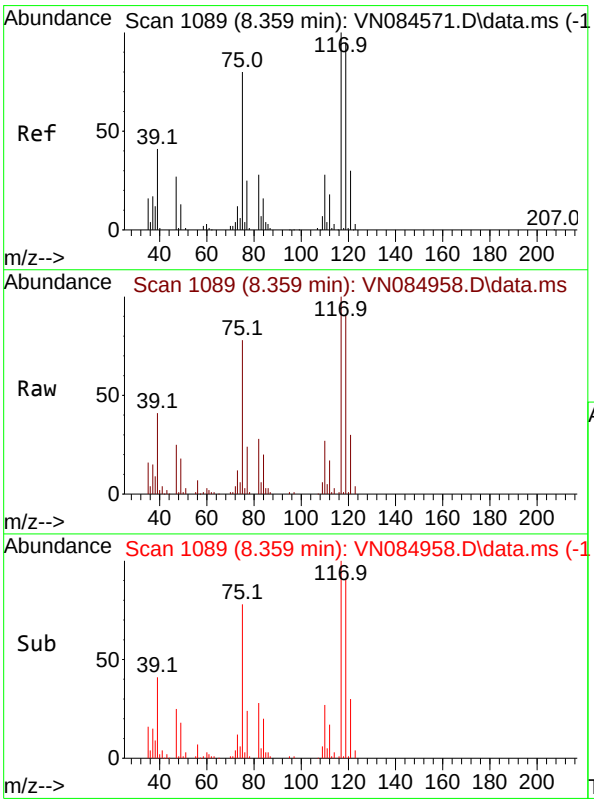
#37
Ethyl Acetate
Concen: 62.448 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 139778

Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.7	16.1
70	11.1	8.8	13.2

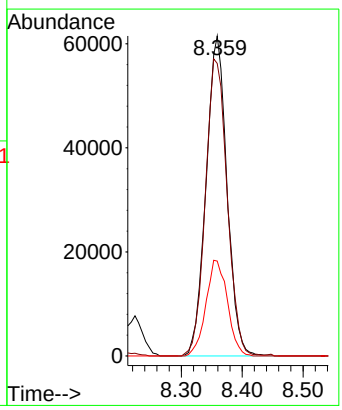


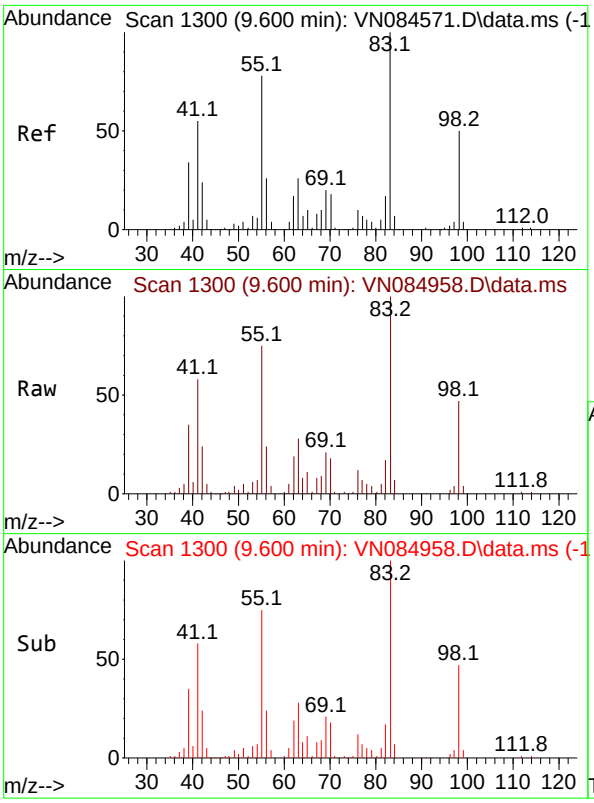


#38
Carbon Tetrachloride
Concen: 53.274 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:117 Resp: 146903

Ion	Ratio	Lower	Upper
117	100		
119	91.4	78.7	118.1
121	29.7	24.4	36.6



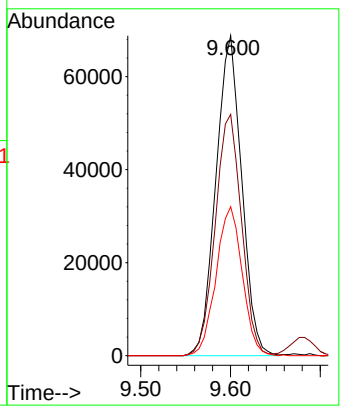


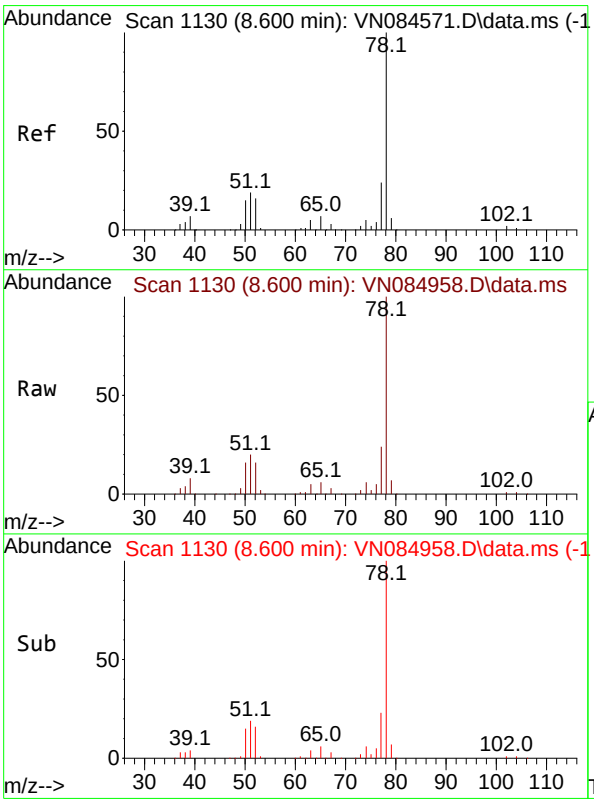
#39
Methylcyclohexane
Concen: 54.647 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 137151

Ion	Ratio	Lower	Upper
83	100		
55	75.4	62.8	94.2
98	46.5	38.8	58.2

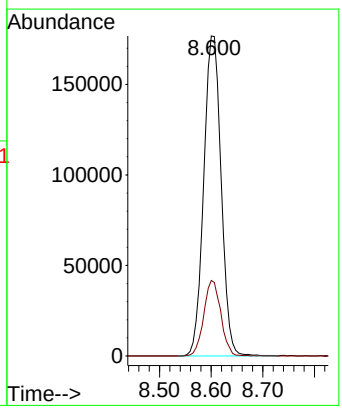


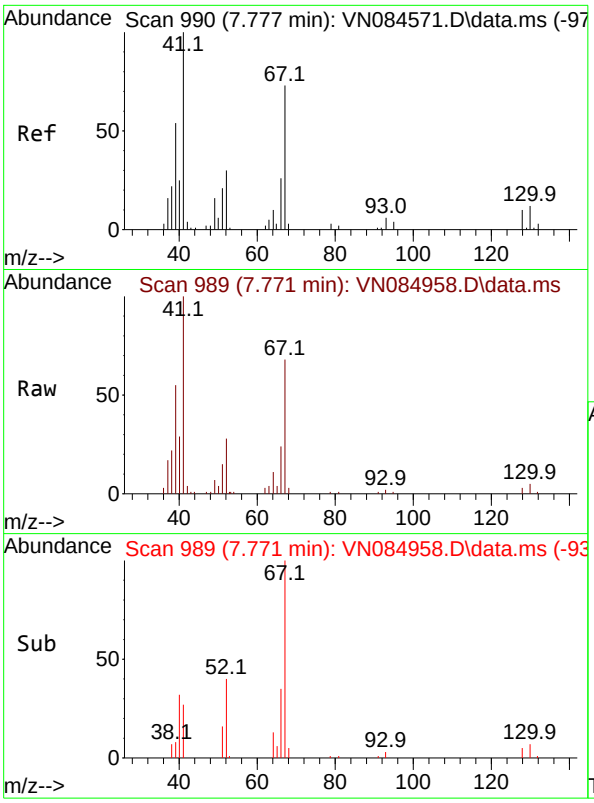


#40
Benzene
Concen: 52.199 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 78 Resp: 413561

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.1	28.7



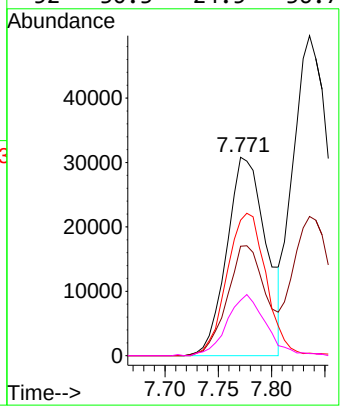


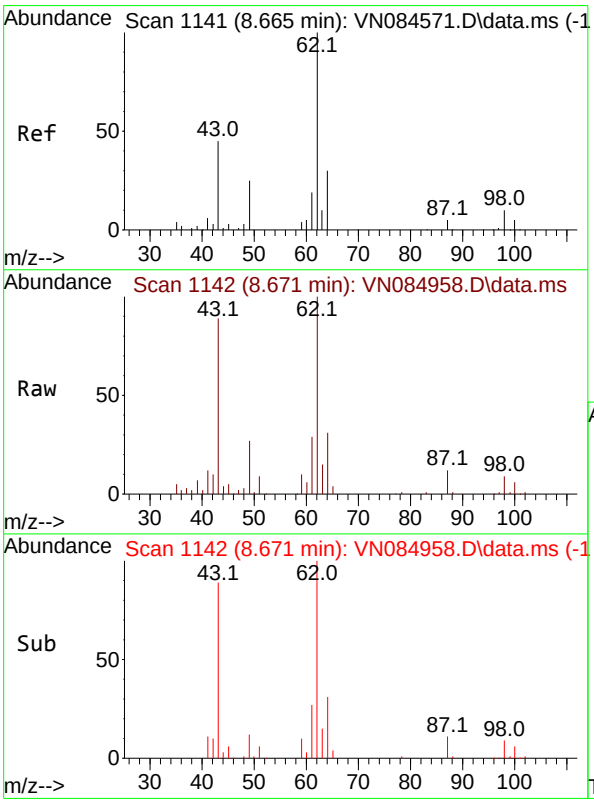
#41
Methacrylonitrile
Concen: 65.730 ug/l
RT: 7.771 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 79117

Ion	Ratio	Lower	Upper
41	100		
39	54.5	43.3	64.9
67	71.6	56.1	84.1
52	30.3	24.5	36.7

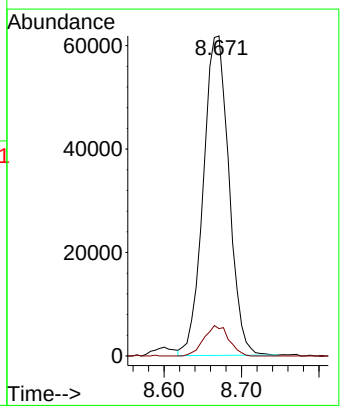


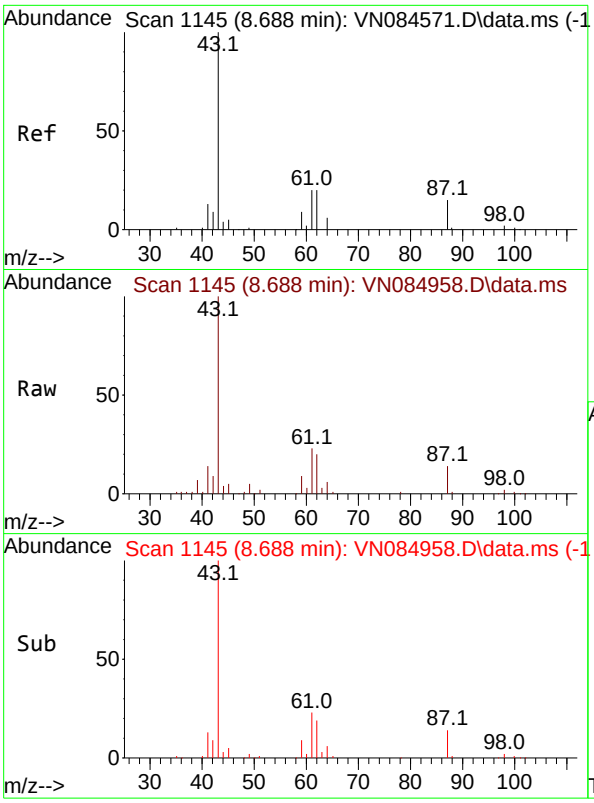


#42
1,2-Dichloroethane
Concen: 55.202 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 62 Resp: 141640

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2



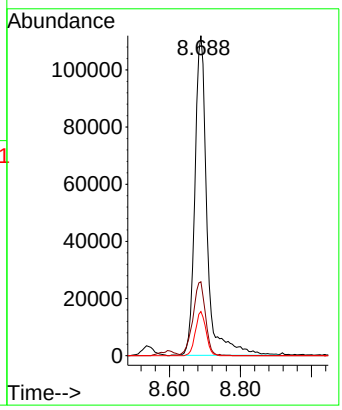


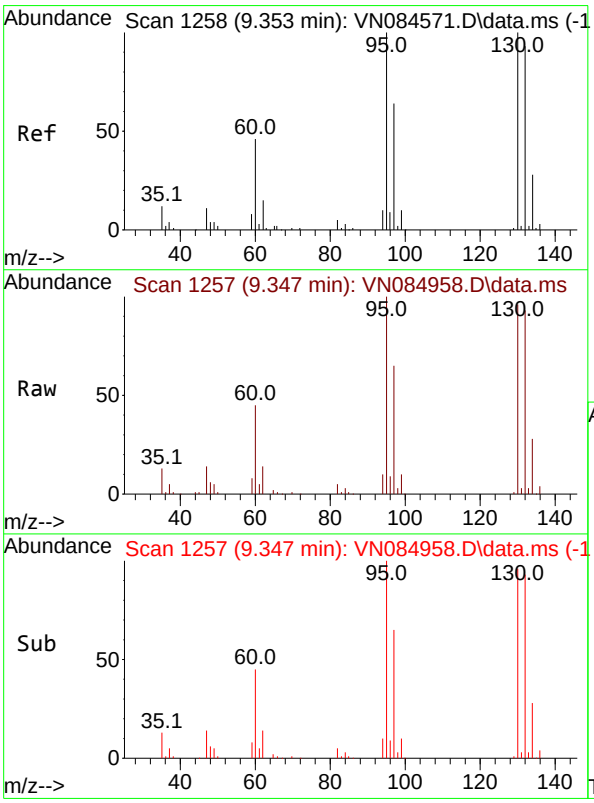
#43
Isopropyl Acetate
Concen: 64.915 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 267240

Ion	Ratio	Lower	Upper
43	100		
61	23.8	20.4	30.6
87	12.1	10.3	15.5

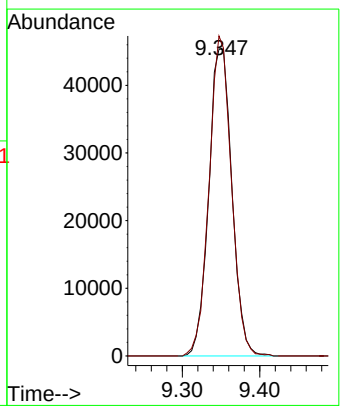


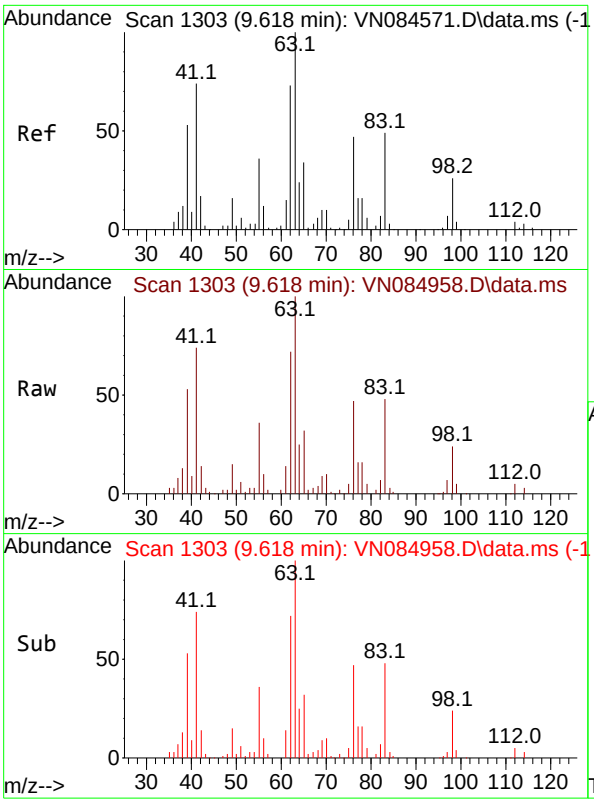


#44
Trichloroethene
Concen: 51.687 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:130 Resp: 94441

Ion	Ratio	Lower	Upper
130	100		
95	104.3	0.0	203.0



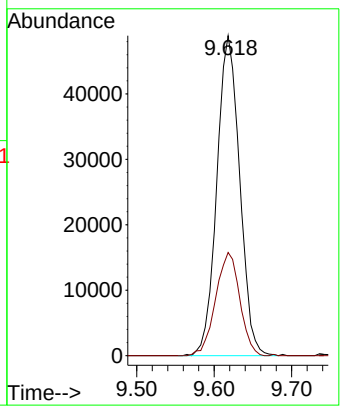


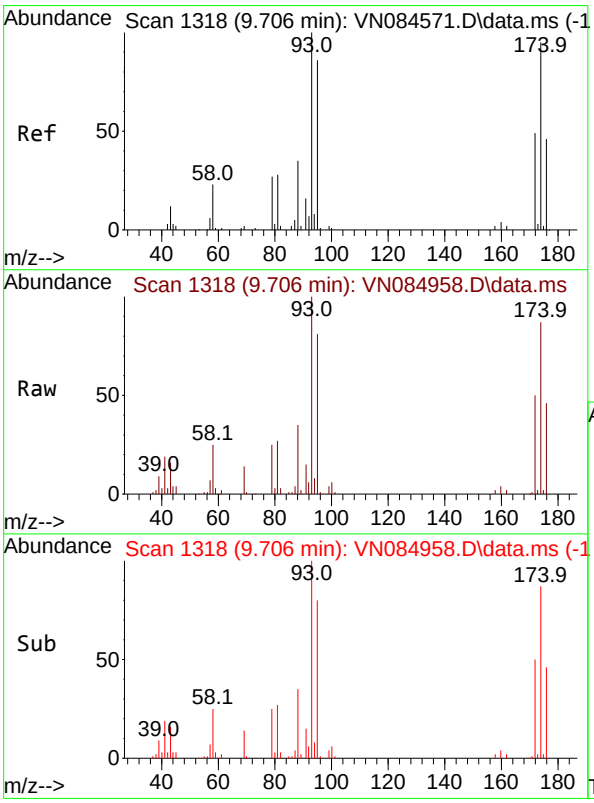
#45
1,2-Dichloropropane
Concen: 53.888 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 100152

Ion	Ratio	Lower	Upper
63	100		
65	32.3	24.6	37.0

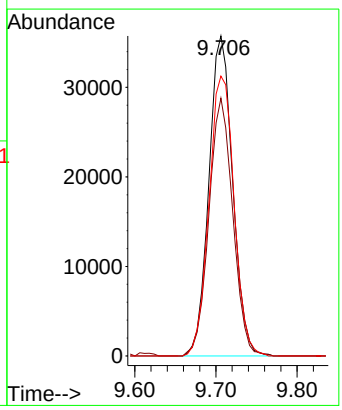


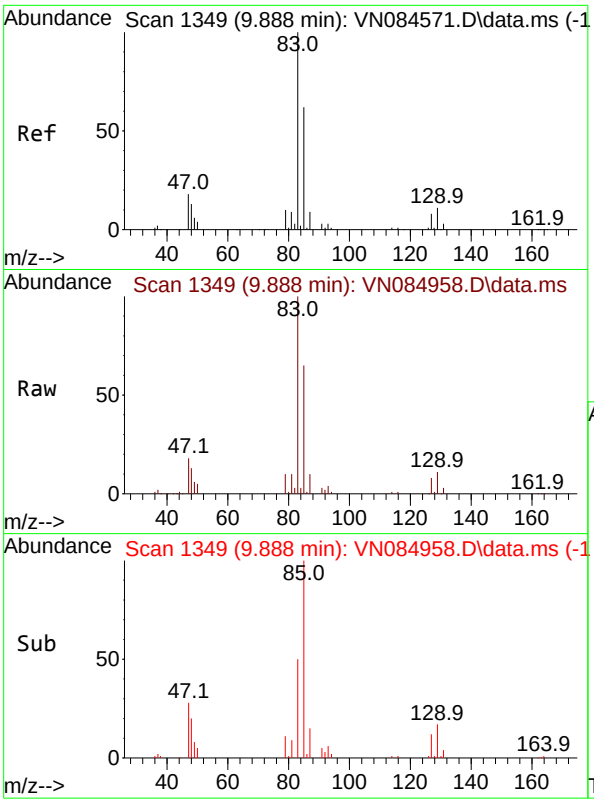


#46
Dibromomethane
Concen: 55.425 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 93 Resp: 72686

Ion	Ratio	Lower	Upper
93	100		
95	81.1	65.0	97.4
174	92.4	71.8	107.8



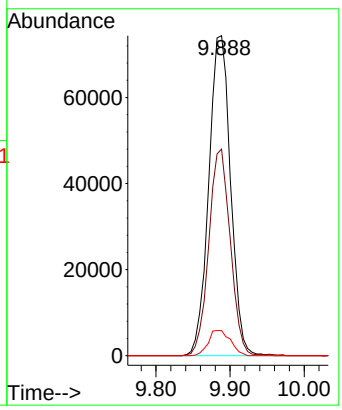


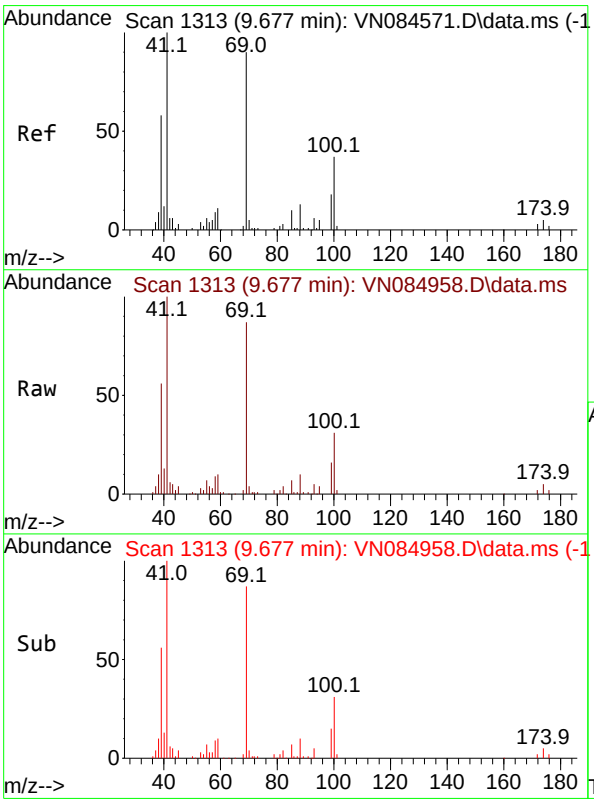
#47
Bromodichloromethane
Concen: 54.940 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 151877

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.5	77.3
127	7.8	5.7	8.5

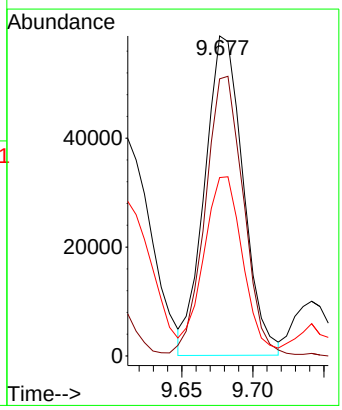


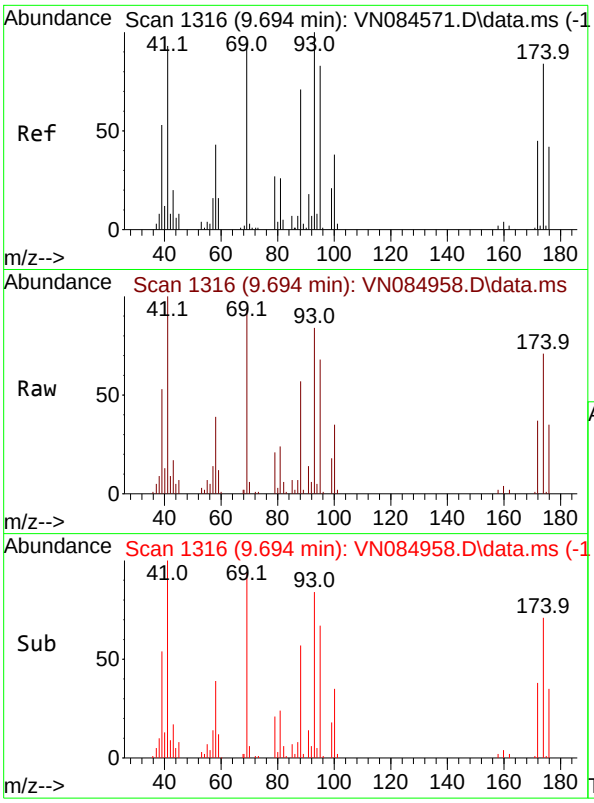


#48
Methyl methacrylate
Concen: 63.558 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 41 Resp: 110720

Ion	Ratio	Lower	Upper
41	100		
69	87.2	67.1	100.7
39	57.6	45.8	68.6



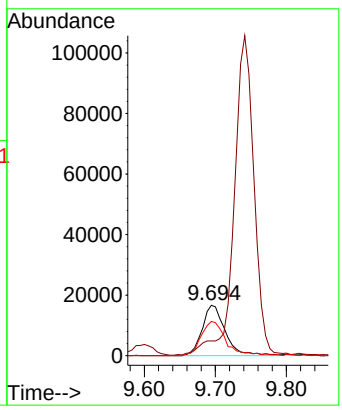


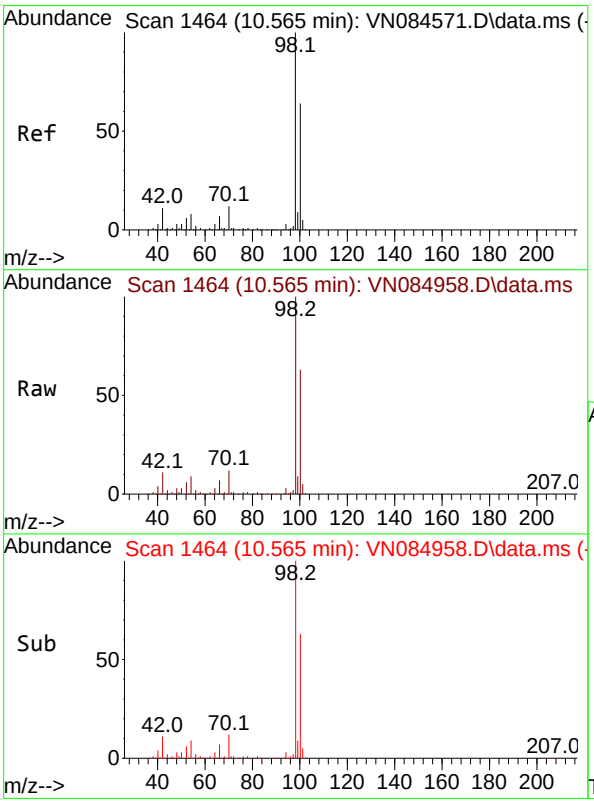
#49
1,4-Dioxane
Concen: 1221.395 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 37704

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	72.8	56.4	84.6

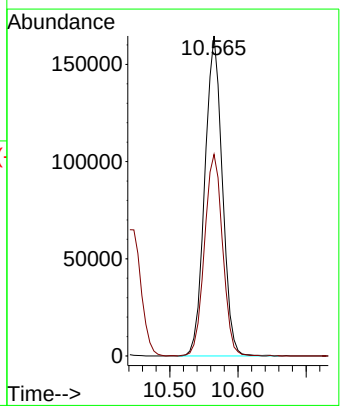


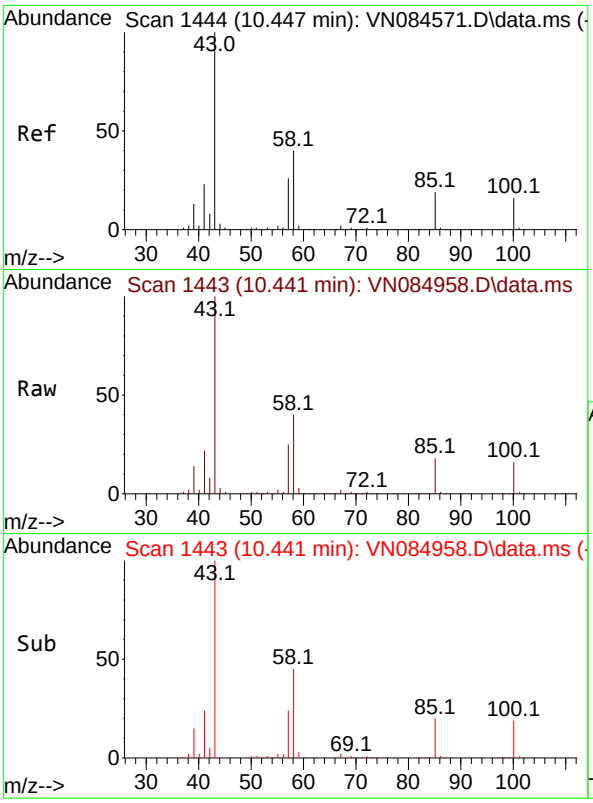


#50
Toluene-d8
Concen: 44.891 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 98 Resp: 294155

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.7	79.1



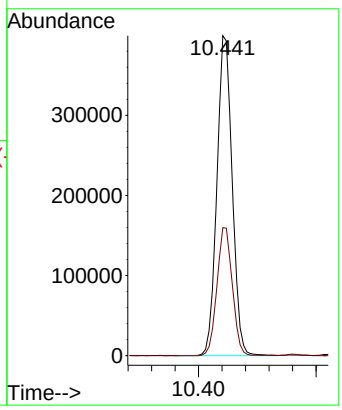


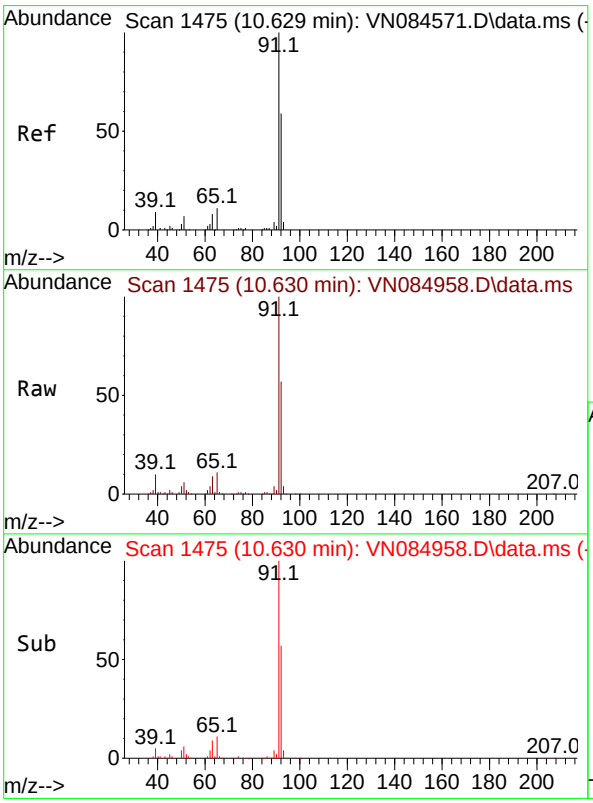
#51
4-Methyl-2-Pentanone
Concen: 338.982 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 723314

Ion	Ratio	Lower	Upper
43	100		
58	40.2	31.6	47.4

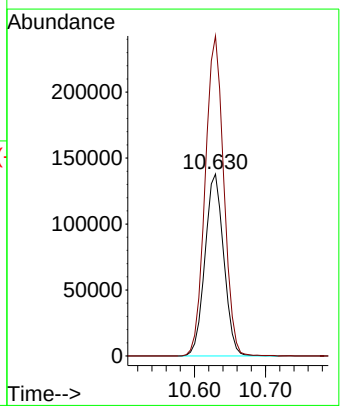


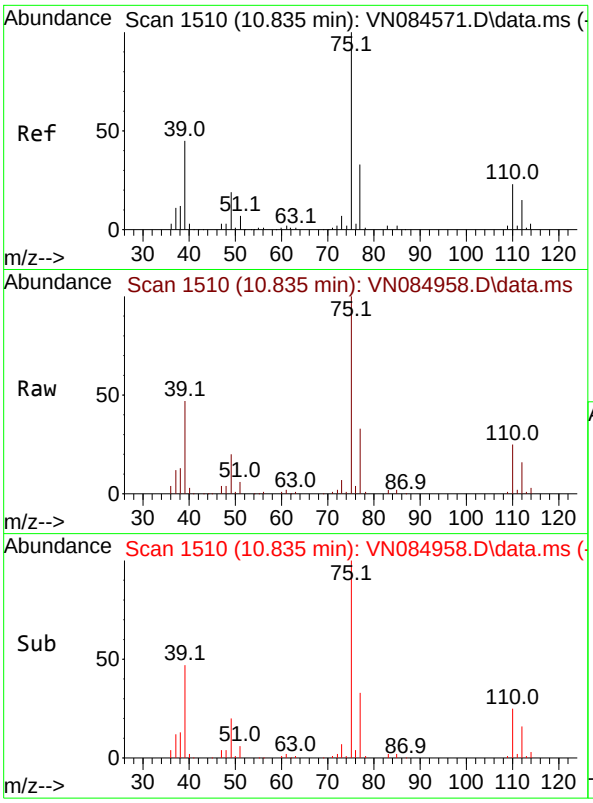


#52
Toluene
Concen: 54.469 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 92 Resp: 252390

Ion	Ratio	Lower	Upper
92	100		
91	174.6	137.3	205.9



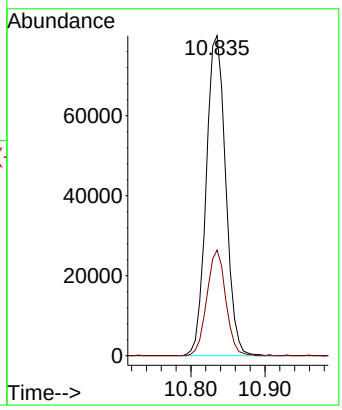


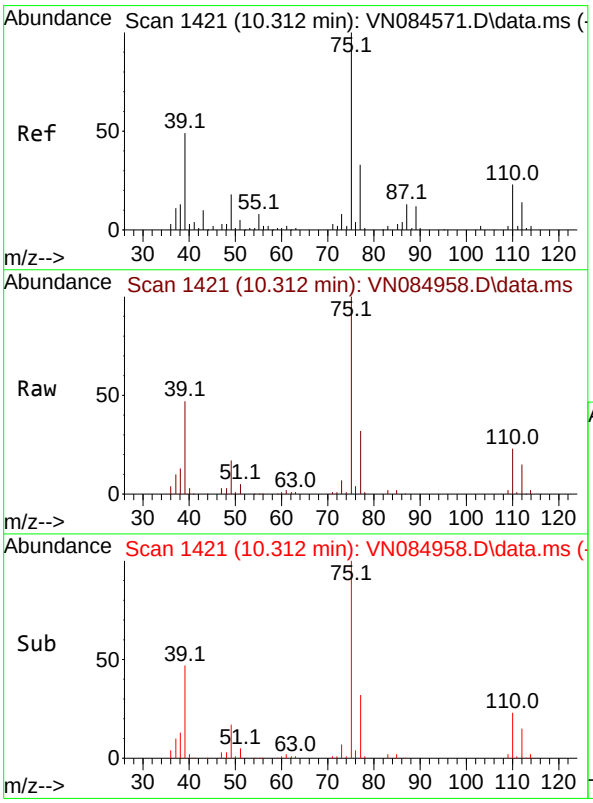
#53
t-1,3-Dichloropropene
Concen: 50.939 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 145760

Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.4	38.0

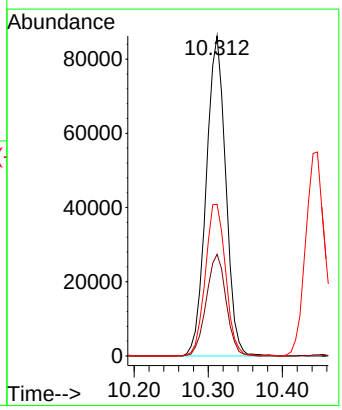


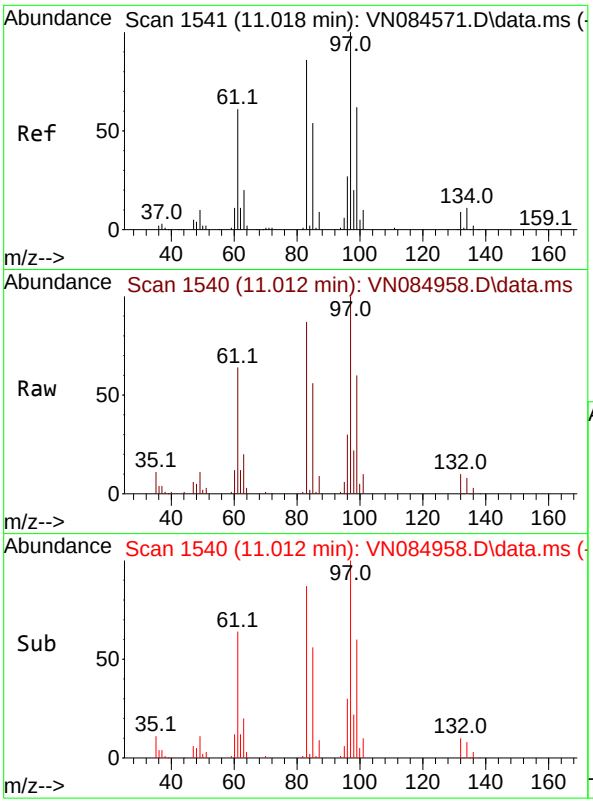


#54
cis-1,3-Dichloropropene
Concen: 52.060 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 75 Resp: 157666

Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.2	36.2
39	47.4	38.7	58.1



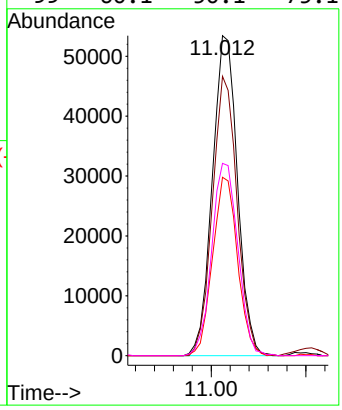


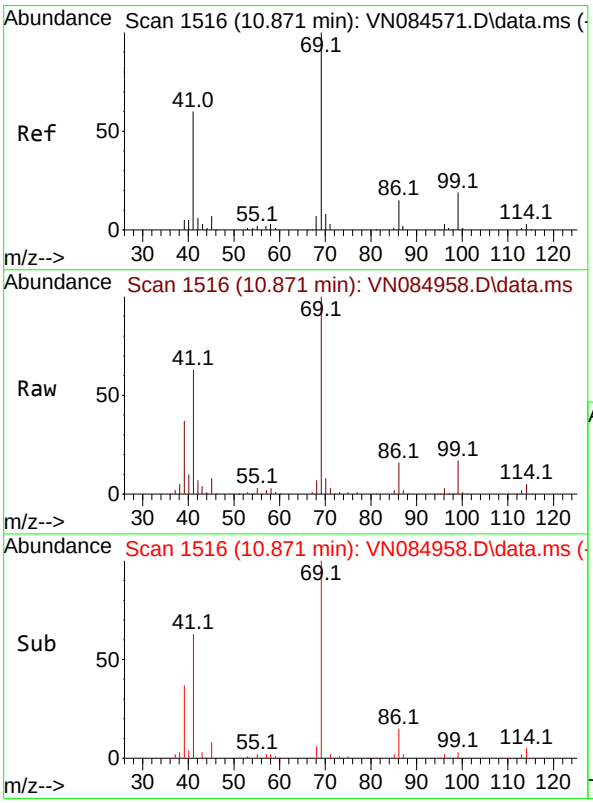
#55
1,1,2-Trichloroethane
Concen: 56.465 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 98556

Ion	Ratio	Lower	Upper
97	100		
83	87.3	71.0	106.4
85	55.8	41.7	62.5
99	60.1	50.1	75.1

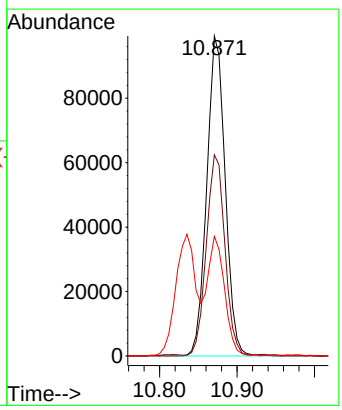


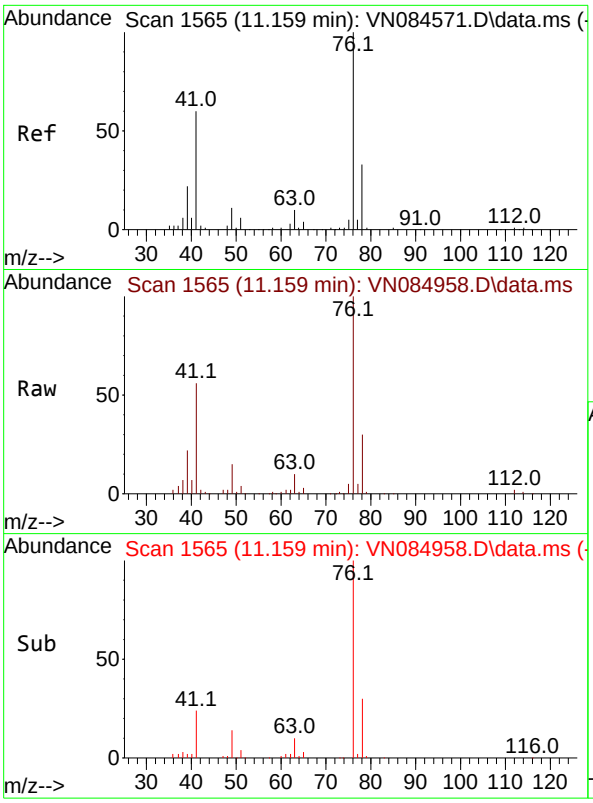


#56
Ethyl methacrylate
Concen: 64.993 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 69 Resp: 164088

Ion	Ratio	Lower	Upper
69	100		
41	62.8	53.3	79.9
39	35.1	28.8	43.2



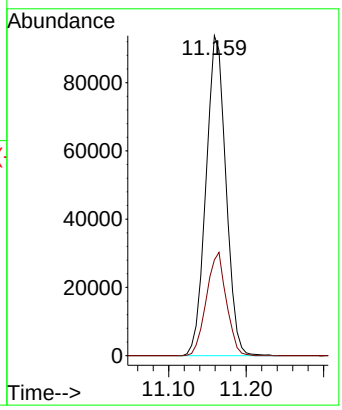


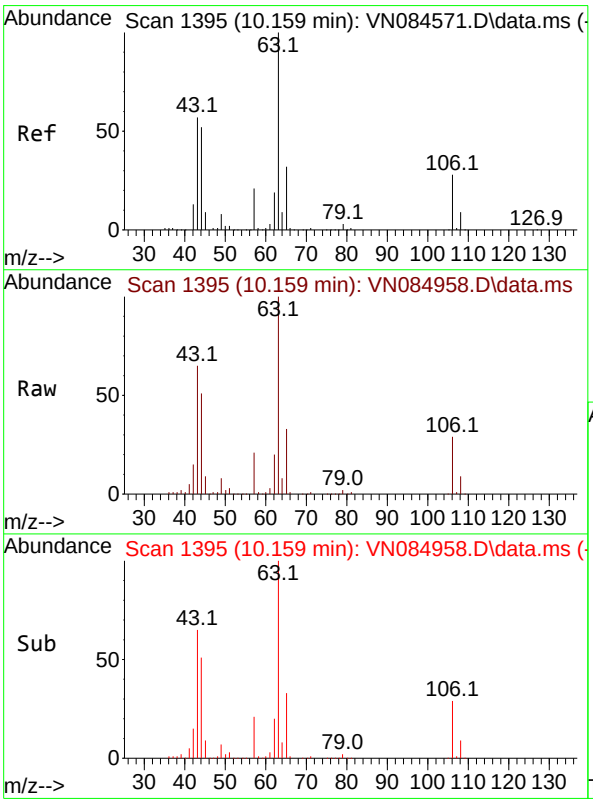
#57
1,3-Dichloropropane
Concen: 55.879 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 167387

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.6

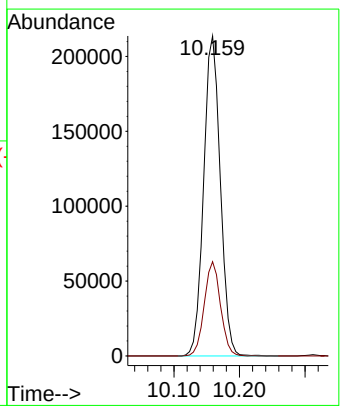


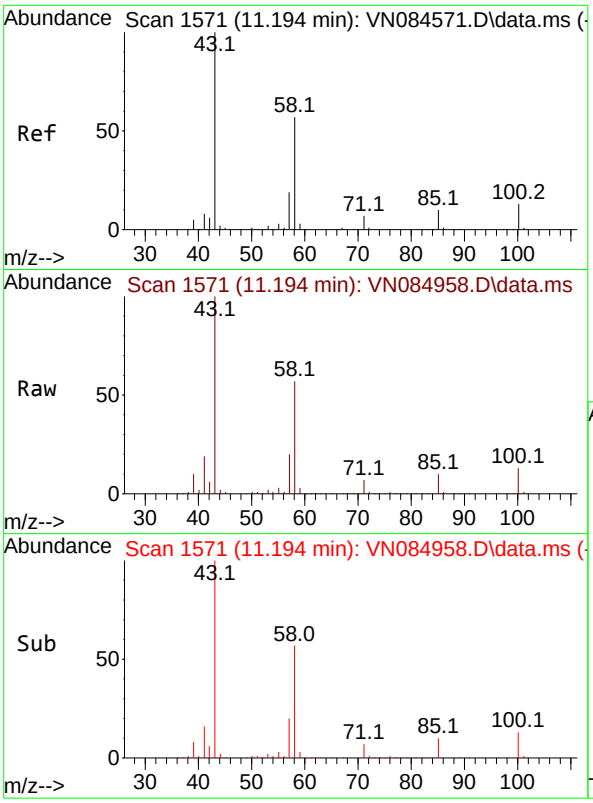


#58
2-Chloroethyl Vinyl ether
Concen: 319.637 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 63 Resp: 377615

Ion	Ratio	Lower	Upper
63	100		
106	28.7	21.8	32.6



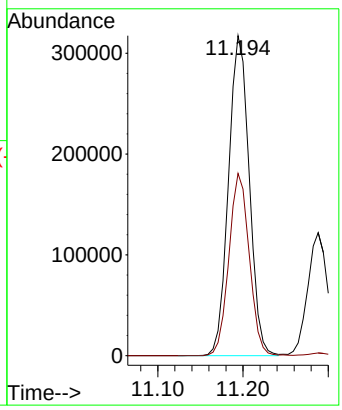


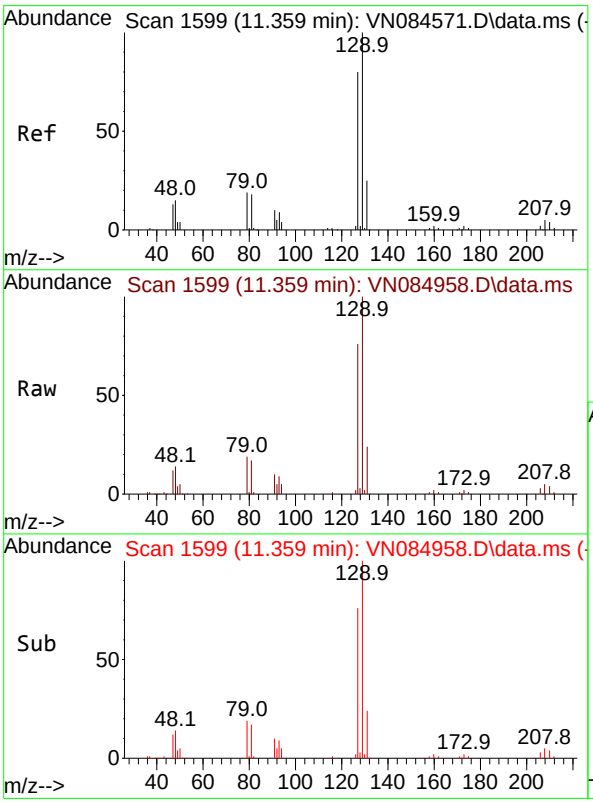
#59
2-Hexanone
Concen: 345.210 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 536162

Ion	Ratio	Lower	Upper
43	100		
58	55.9	27.3	81.8

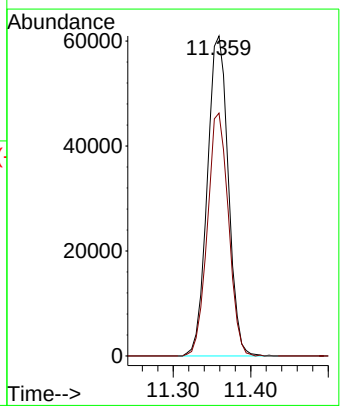


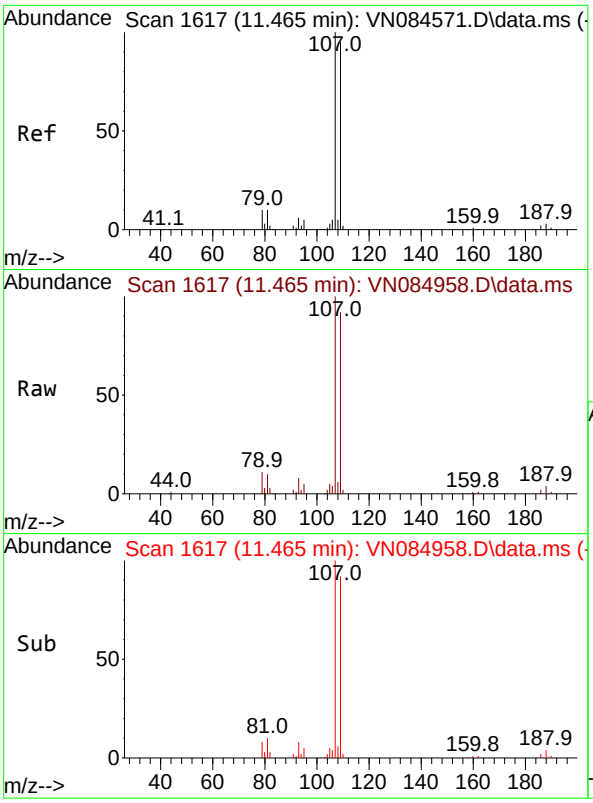


#60
Dibromochloromethane
Concen: 57.532 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:129 Resp: 114446

Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.3	114.9



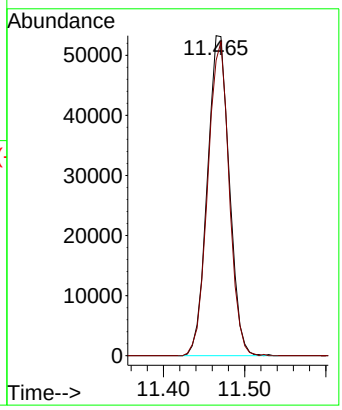


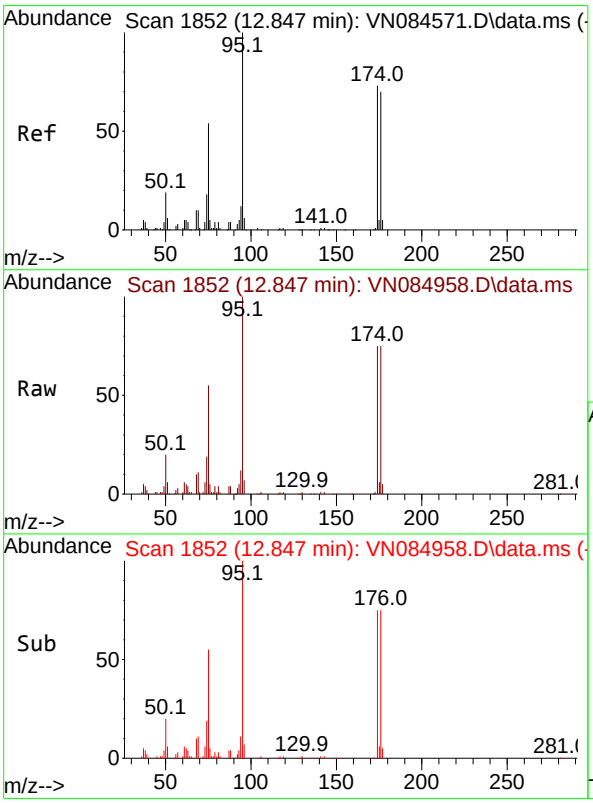
#61
1,2-Dibromoethane
Concen: 55.900 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 99914

Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.4	113.0

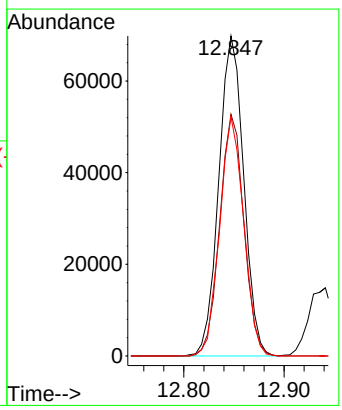


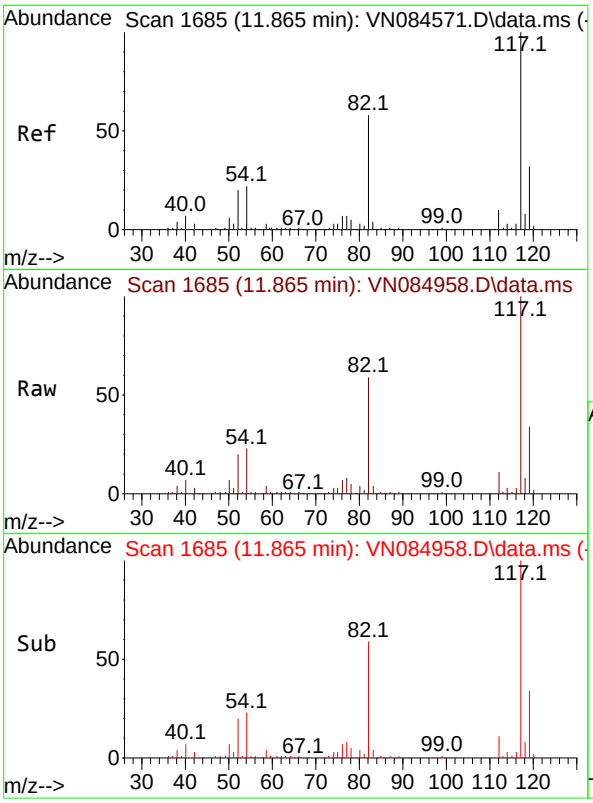


#62
4-Bromofluorobenzene
Concen: 49.136 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 95 Resp: 120331

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	145.2
176	72.1	0.0	140.0



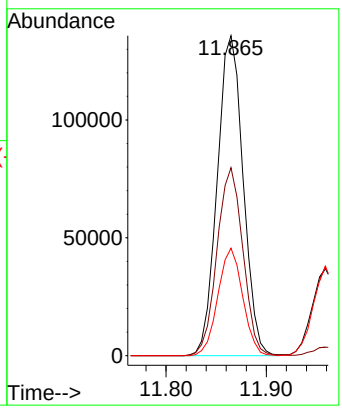


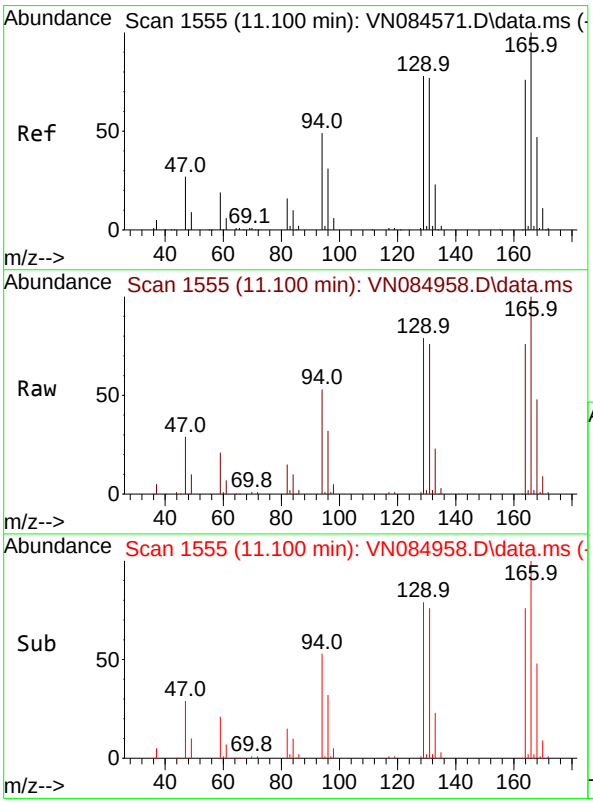
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 243763

Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.2	70.8
119	33.6	25.4	38.0

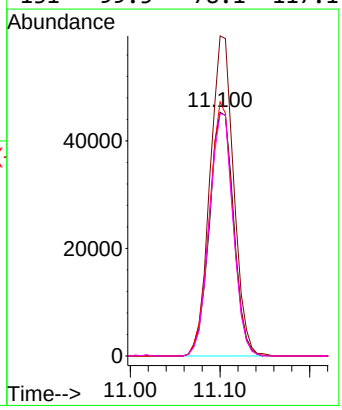


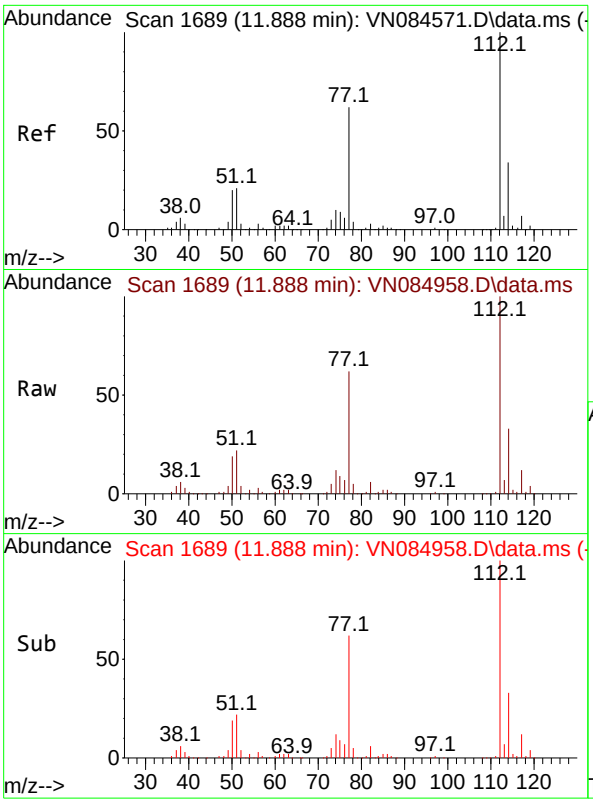


#64
Tetrachloroethene
Concen: 52.479 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:164 Resp: 85091

Ion	Ratio	Lower	Upper
164	100		
166	131.3	101.0	151.4
129	104.2	80.8	121.2
131	99.5	78.1	117.1



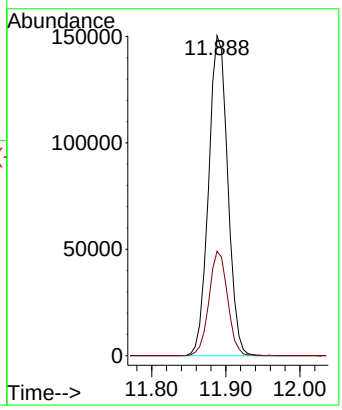


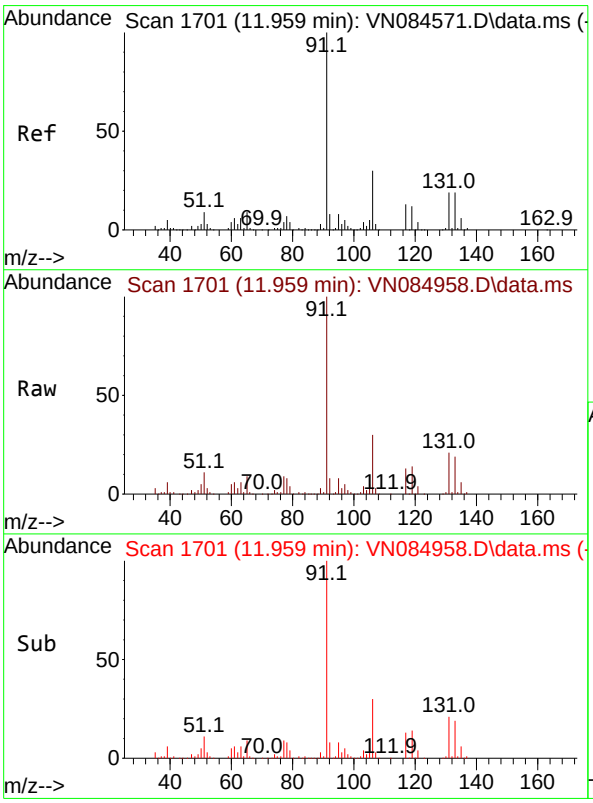
#65
Chlorobenzene
Concen: 49.397 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 269382

Ion	Ratio	Lower	Upper
112	100		
114	32.6	27.0	40.6

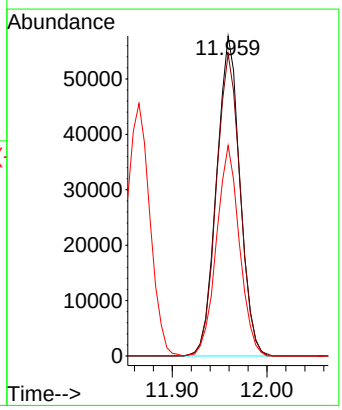


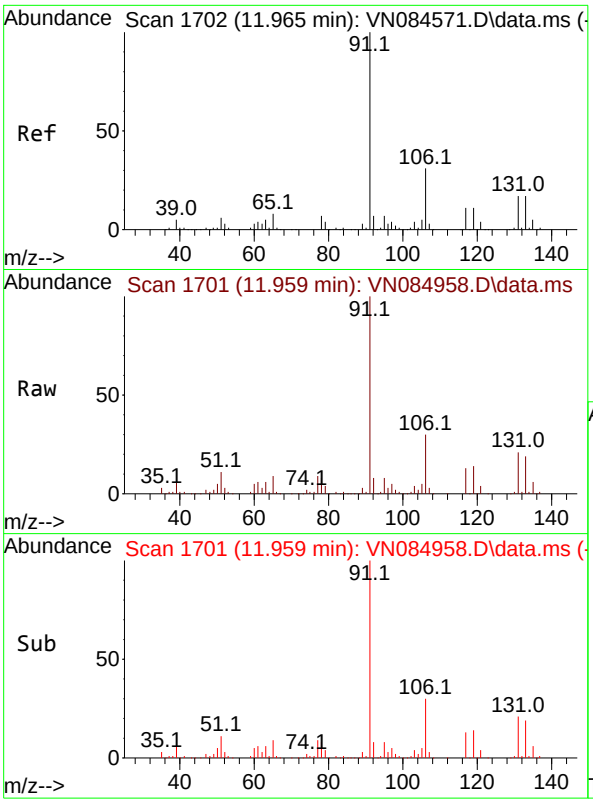


#66
1,1,1,2-Tetrachloroethane
Concen: 52.198 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:131 Resp: 99013

Ion	Ratio	Lower	Upper
131	100		
133	96.4	47.9	143.7
119	64.8	32.8	98.3



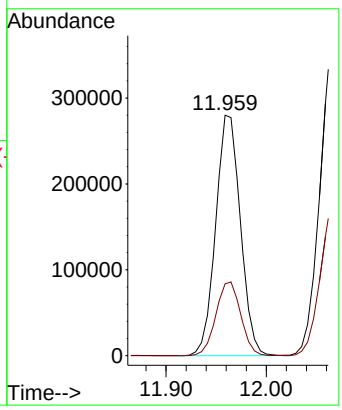


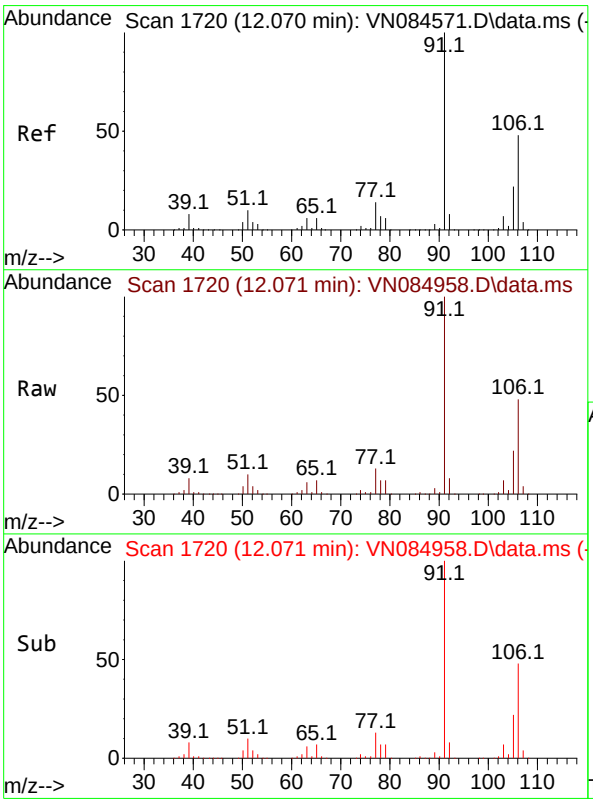
#67
Ethyl Benzene
Concen: 52.693 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 479657

Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.5	36.7

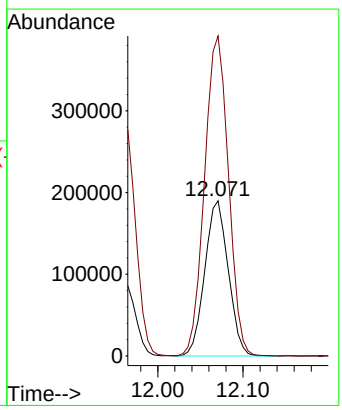


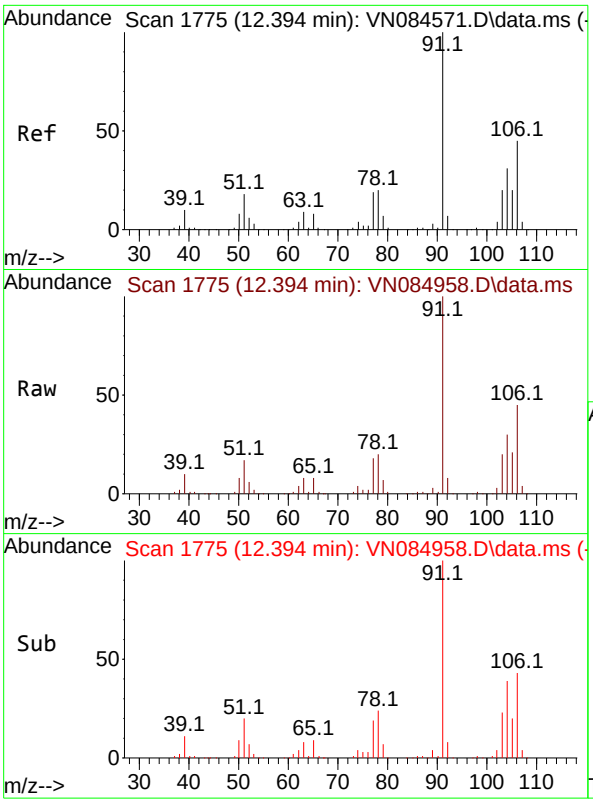


#68
m/p-Xylenes
Concen: 105.283 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:106 Resp: 362832

Ion	Ratio	Lower	Upper
106	100		
91	210.5	167.1	250.7



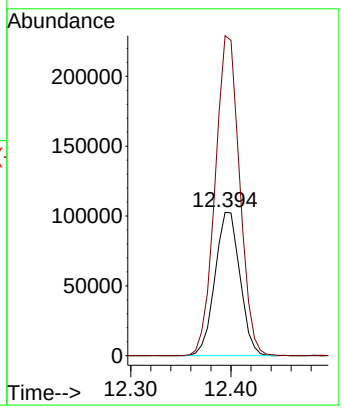


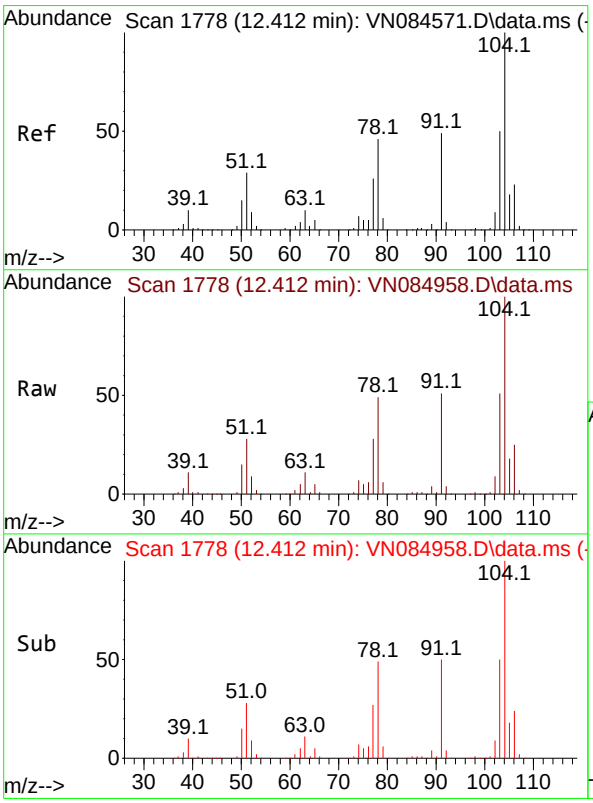
#69
o-Xylene
Concen: 55.054 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 177487

Ion	Ratio	Lower	Upper
106	100		
91	219.4	110.2	330.6

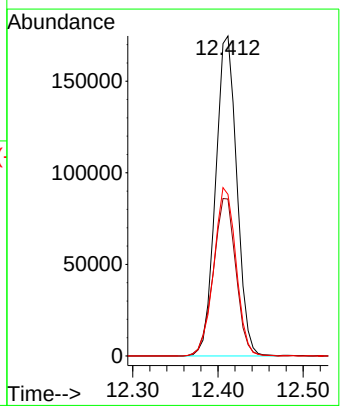


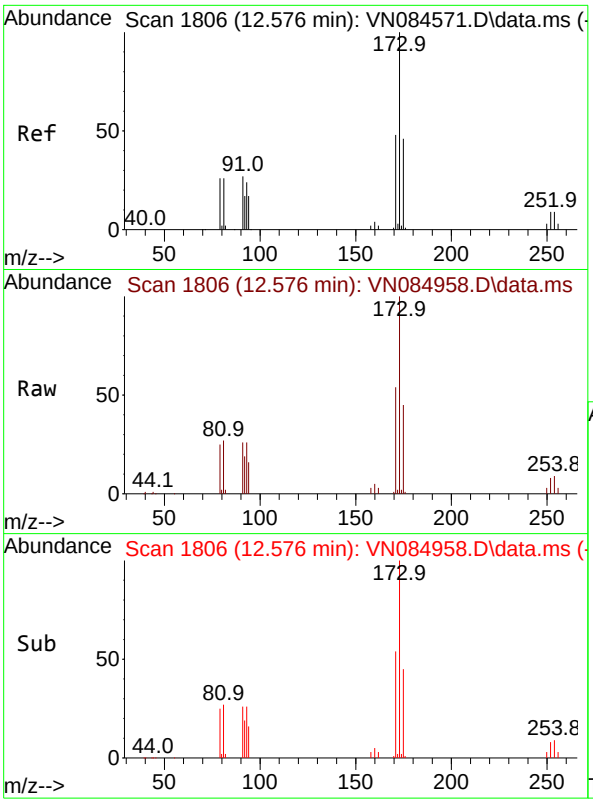


#70
Styrene
Concen: 53.903 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:104 Resp: 303144

Ion	Ratio	Lower	Upper
104	100		
78	52.6	42.7	64.1
103	55.1	43.6	65.4



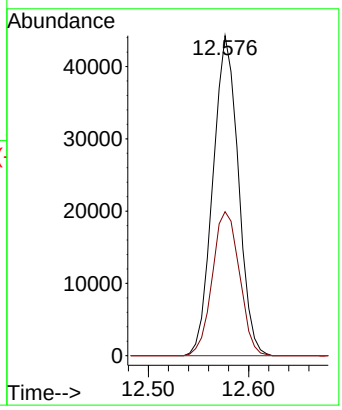


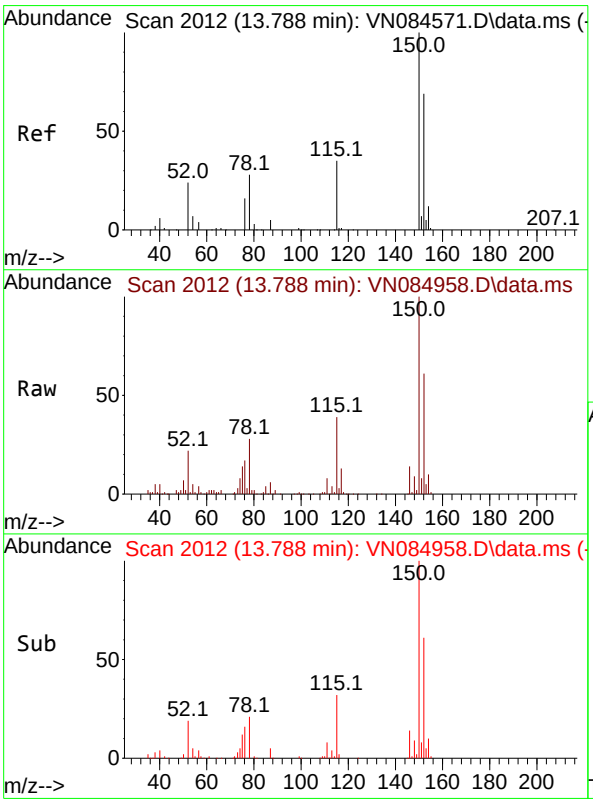
#71
Bromoform
Concen: 54.478 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 77759

Ion	Ratio	Lower	Upper
173	100		
175	48.0	23.5	70.6
254	0.0	0.0	0.0

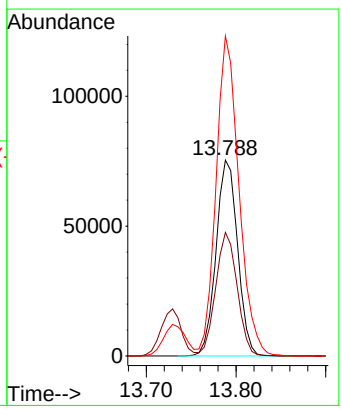


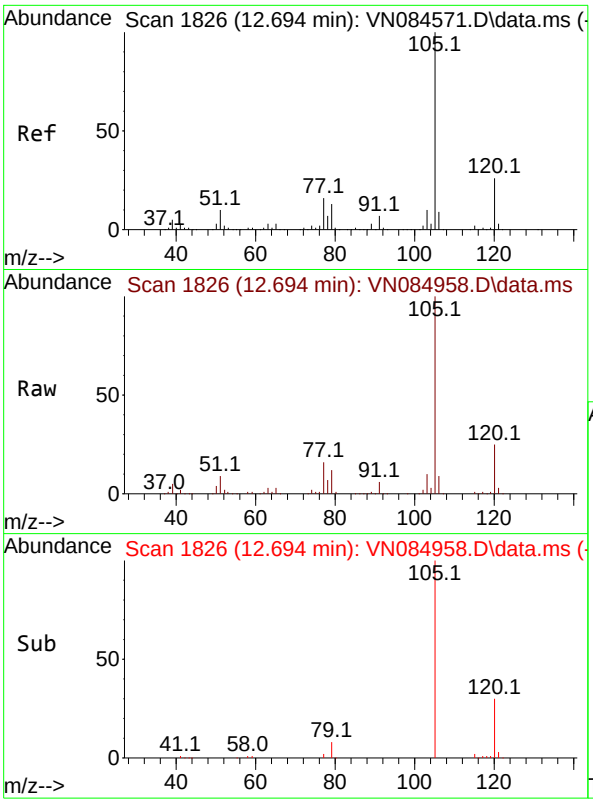


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:152 Resp: 125759

Ion	Ratio	Lower	Upper
152	100		
115	62.6	31.3	93.9
150	173.9	0.0	349.8



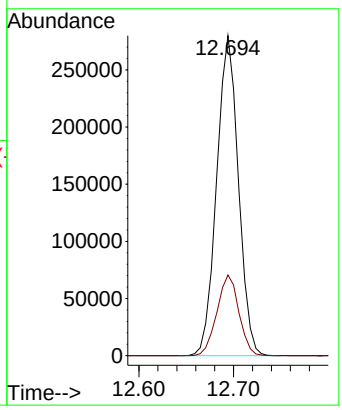


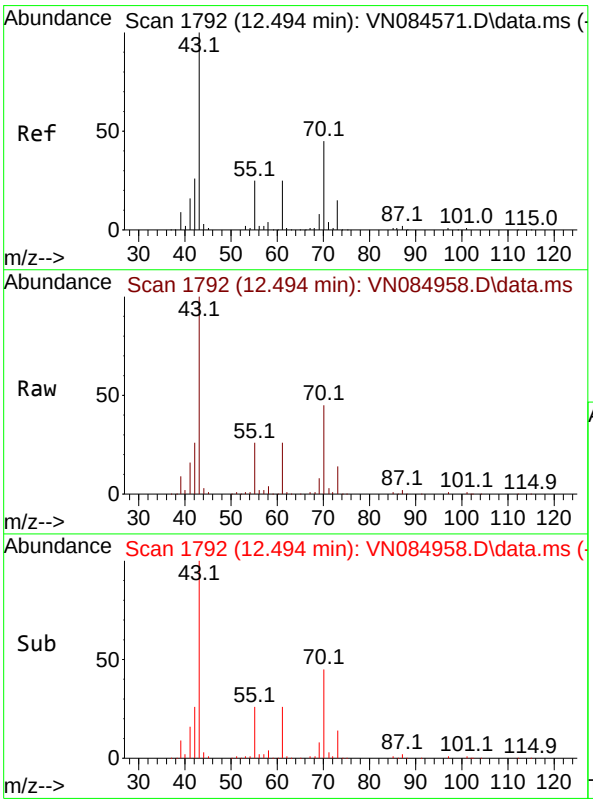
#73
Isopropylbenzene
Concen: 50.648 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 446353

Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.9	38.7

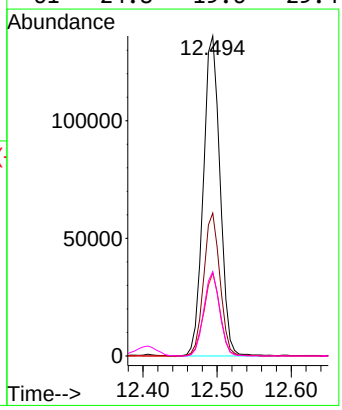


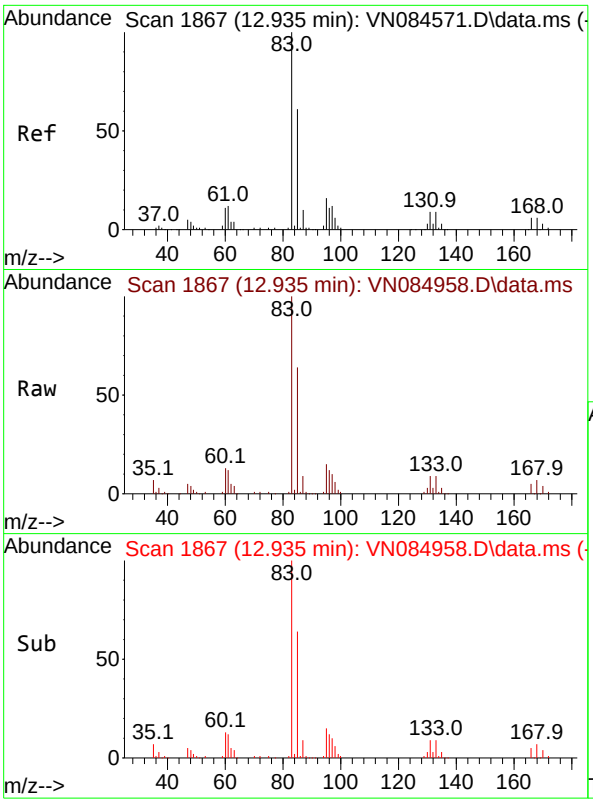


#74
N-amyl acetate
Concen: 57.023 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 43 Resp: 213889

Ion	Ratio	Lower	Upper
43	100		
70	43.2	34.4	51.6
55	24.9	19.6	29.4
61	24.8	19.6	29.4



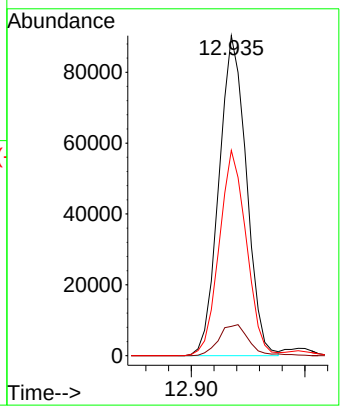


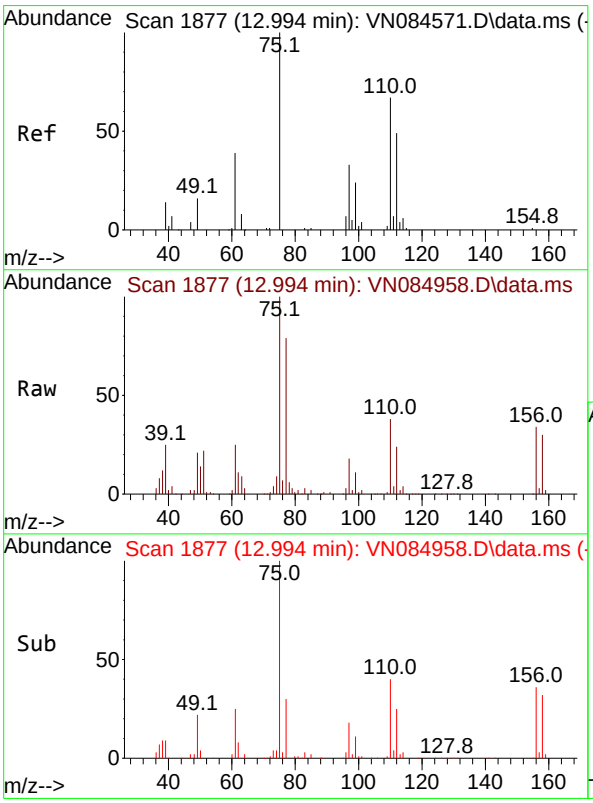
#75
1,1,2,2-Tetrachloroethane
Concen: 51.429 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 151284

Ion	Ratio	Lower	Upper
83	100		
131	10.7	4.9	14.7
85	63.5	31.9	95.7

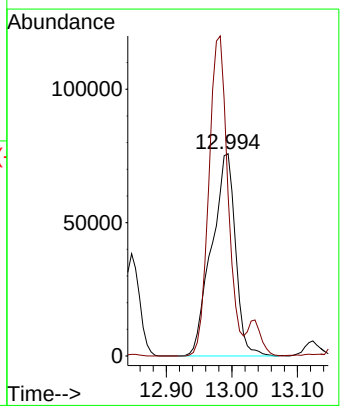


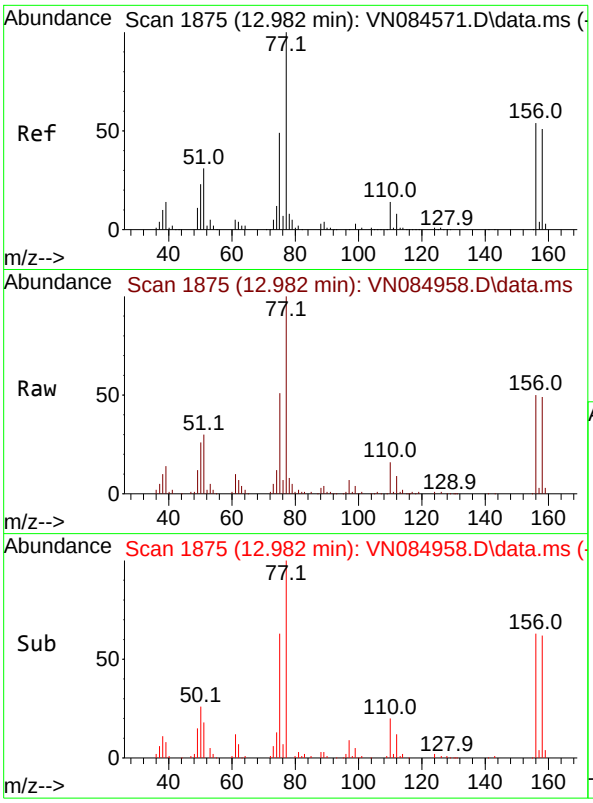


#76
1,2,3-Trichloropropane
Concen: 76.020 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 75 Resp: 191104

Ion	Ratio	Lower	Upper
75	100		
77	126.4	96.9	290.7



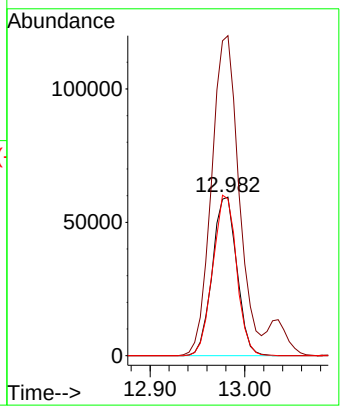


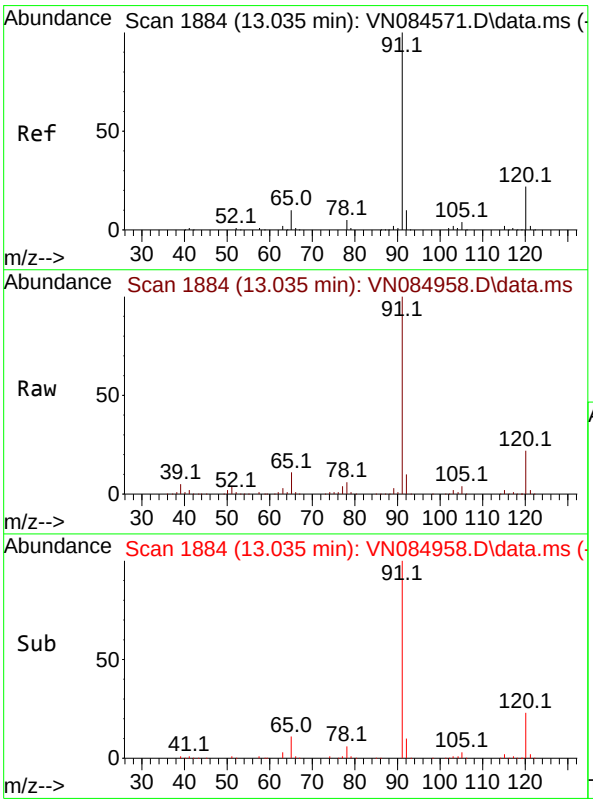
#77
Bromobenzene
Concen: 45.274 ug/l
RT: 12.982 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 107262

Ion	Ratio	Lower	Upper
156	100		
77	225.1	115.1	345.3
158	98.1	48.9	146.8

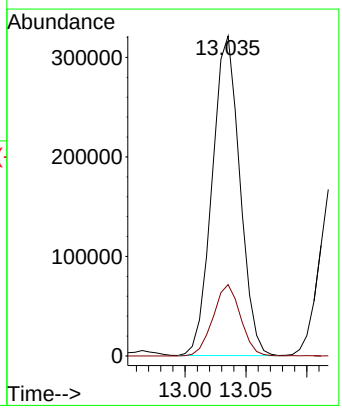


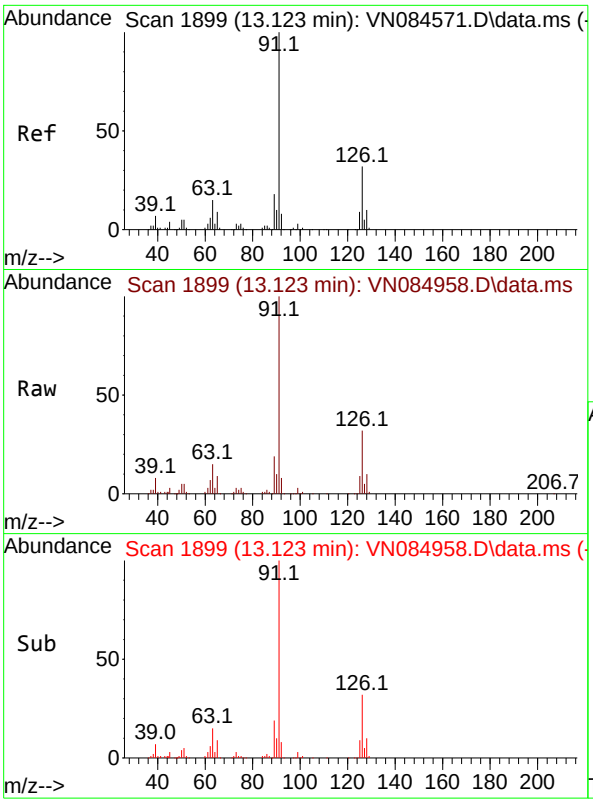


#78
n-propylbenzene
Concen: 49.239 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 91 Resp: 508504

Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.8	32.4



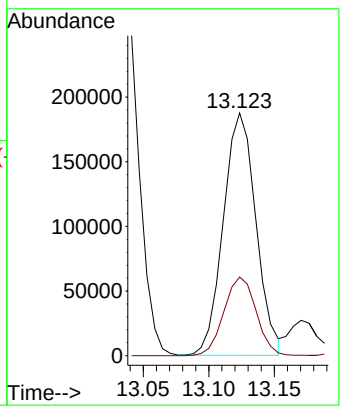


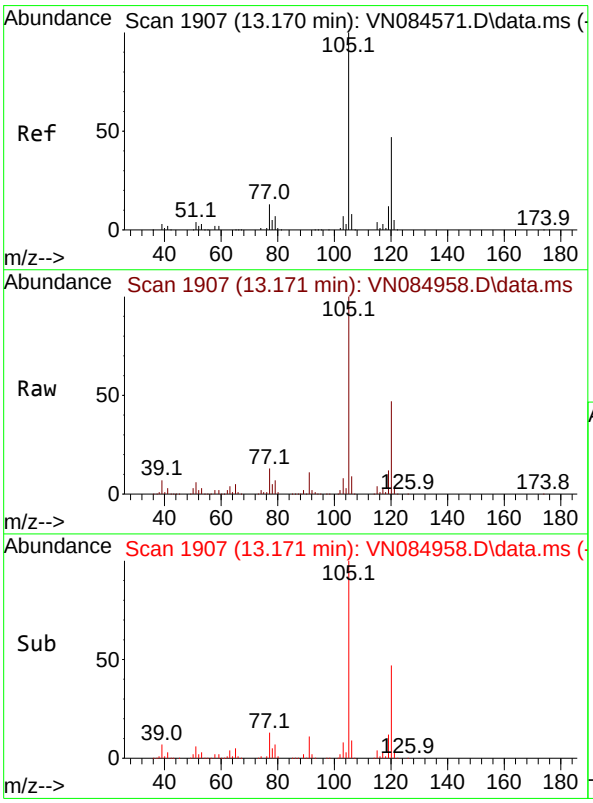
#79
2-Chlorotoluene
Concen: 48.117 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 324690

Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1

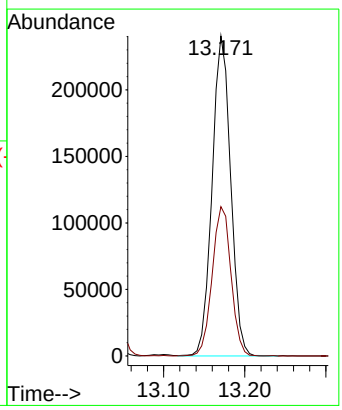


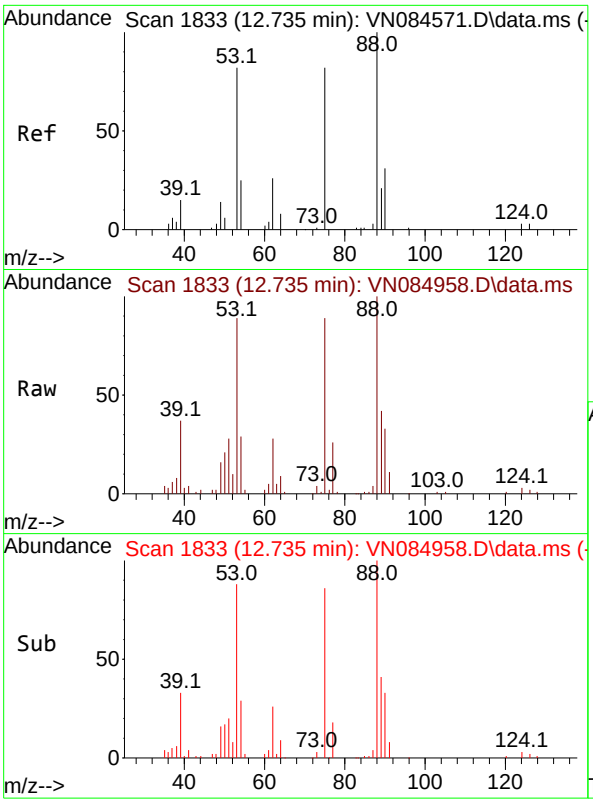


#80
1,3,5-Trimethylbenzene
Concen: 52.364 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:105 Resp: 382483

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.7	71.1



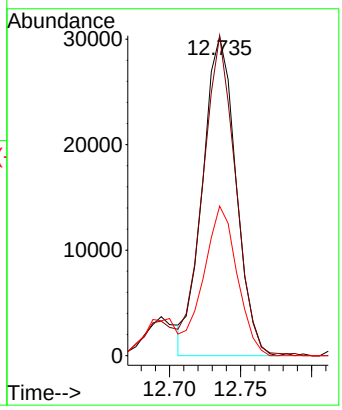


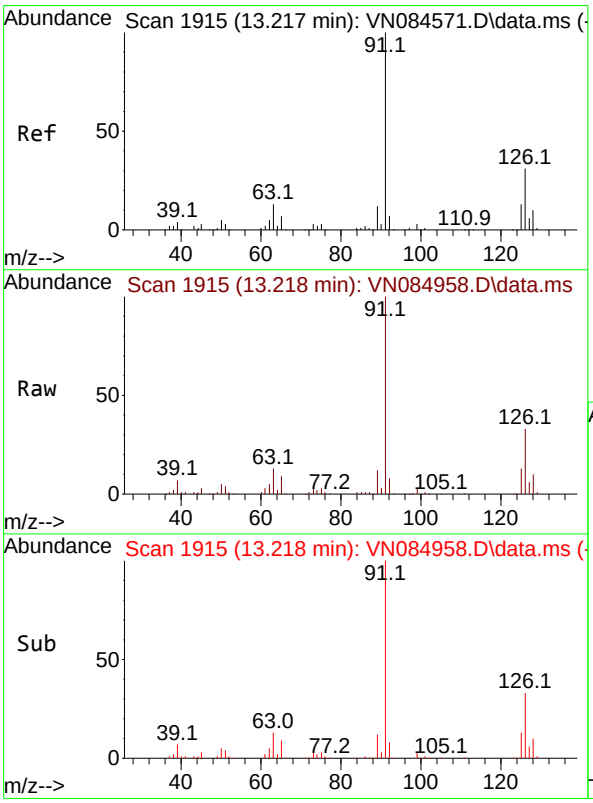
#81
trans-1,4-Dichloro-2-butene
Concen: 46.601 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 49380

Ion	Ratio	Lower	Upper
75	100		
53	98.1	78.0	117.0
89	47.4	35.5	53.3

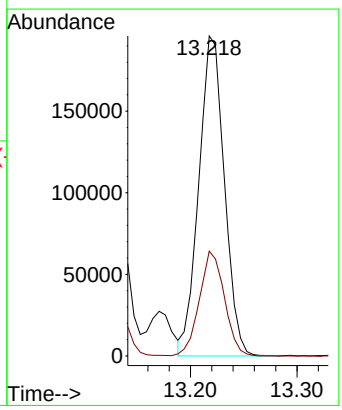


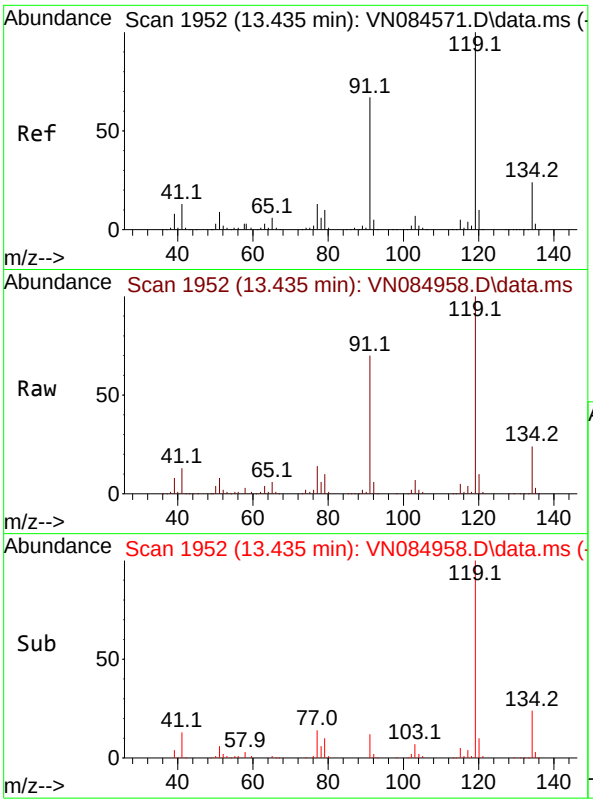


#82
4-Chlorotoluene
Concen: 46.068 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 91 Resp: 327149

Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1



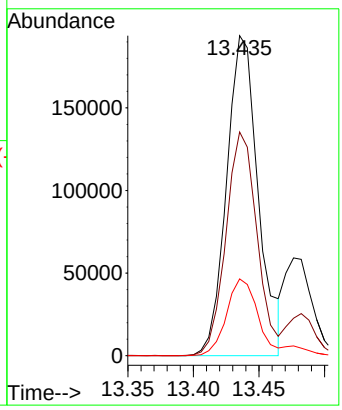


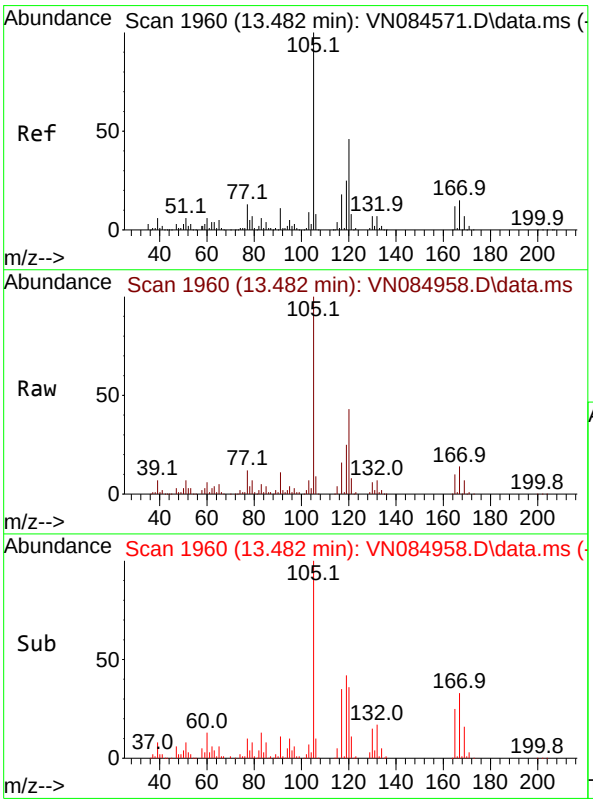
#83
tert-Butylbenzene
Concen: 54.007 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 326481

Ion	Ratio	Lower	Upper
119	100		
91	68.5	34.1	102.3
134	25.7	12.8	38.4

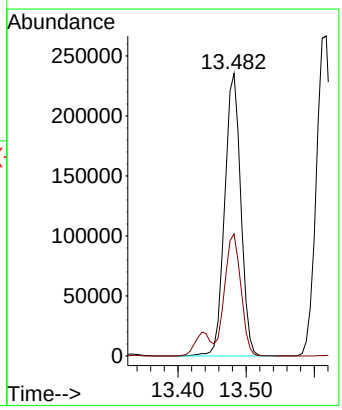


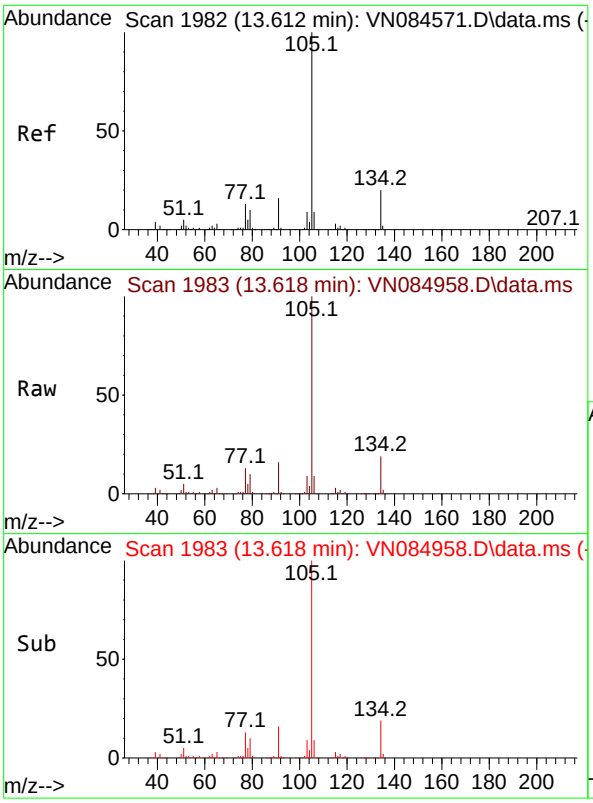


#84
1,2,4-Trimethylbenzene
Concen: 51.293 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:105 Resp: 386682

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.3	66.8



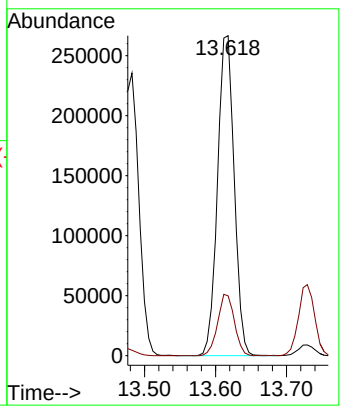


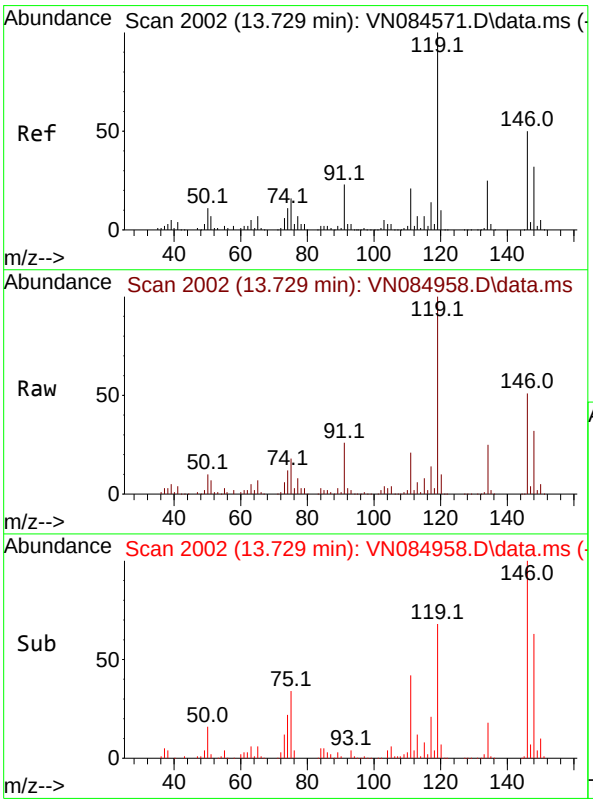
#85
sec-Butylbenzene
Concen: 50.747 ug/l
RT: 13.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 433341

Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.8	29.4

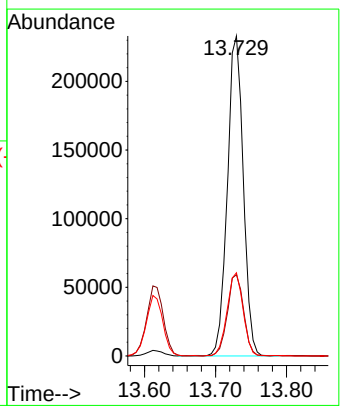


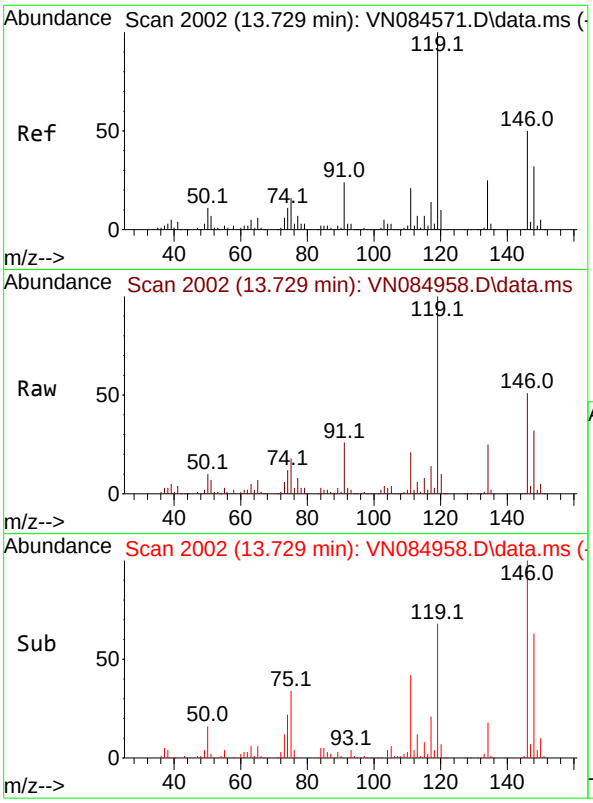


#86
p-Isopropyltoluene
Concen: 51.858 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:119 Resp: 363170

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.6	37.8
91	26.1	12.4	37.2



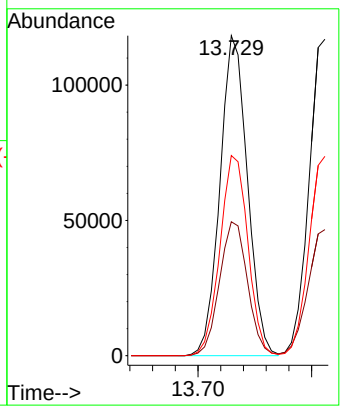


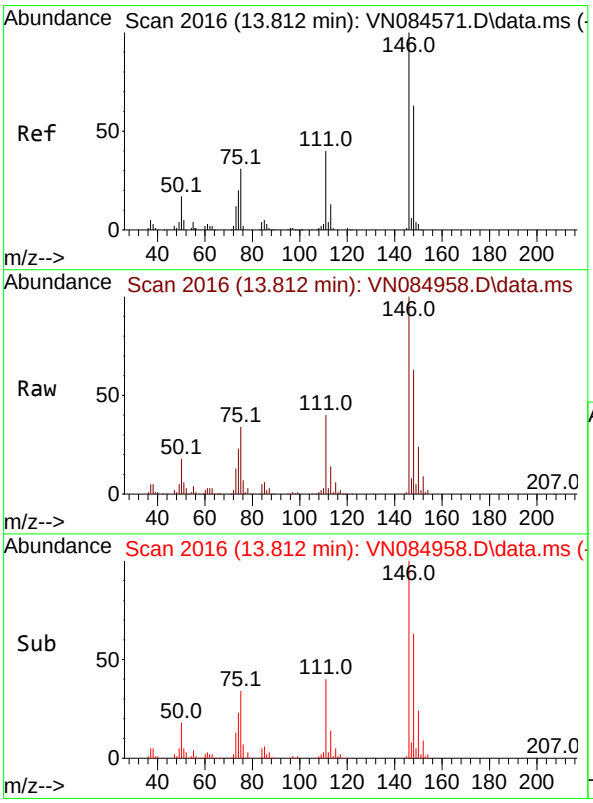
#87
1,3-Dichlorobenzene
Concen: 42.928 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 198485

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.8	65.3
148	63.7	31.9	95.7

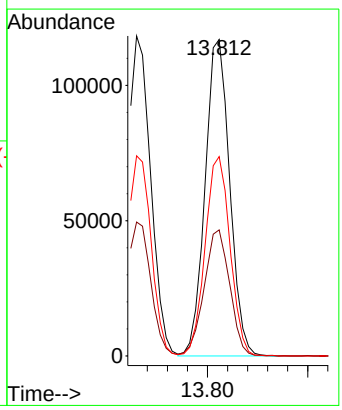


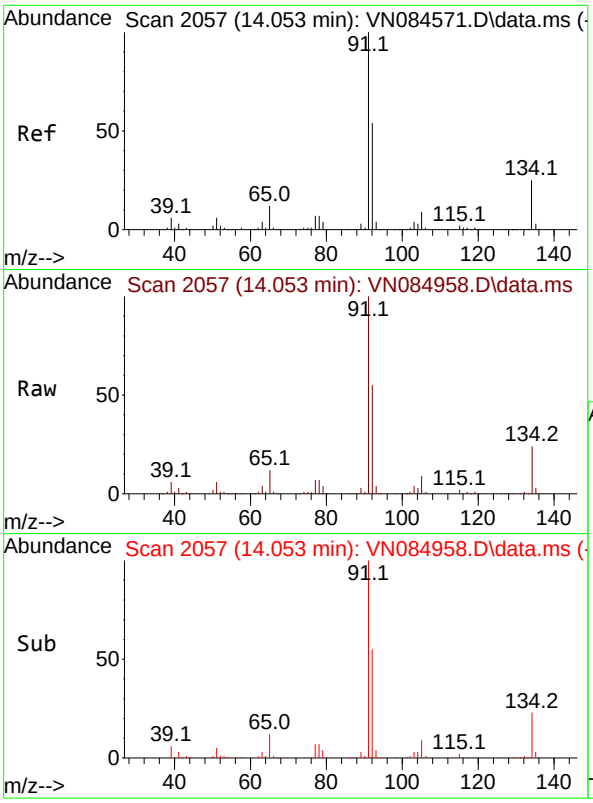


#88
1,4-Dichlorobenzene
Concen: 47.062 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:146 Resp: 199901

Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.2	63.6
148	63.8	31.9	95.9



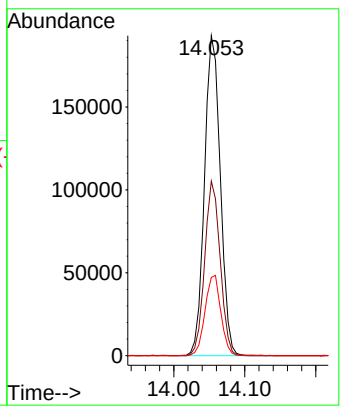


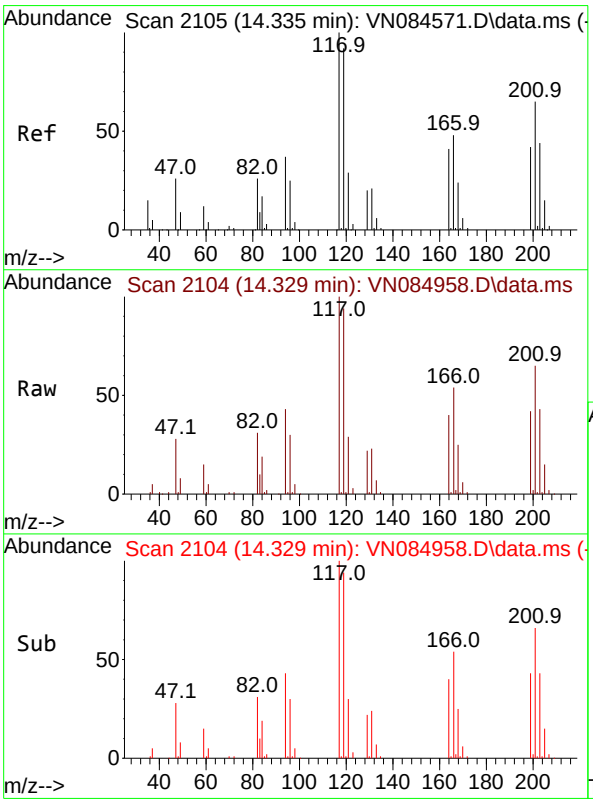
#89
n-Butylbenzene
Concen: 45.841 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 300302

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.6	79.7
134	25.0	12.3	36.9

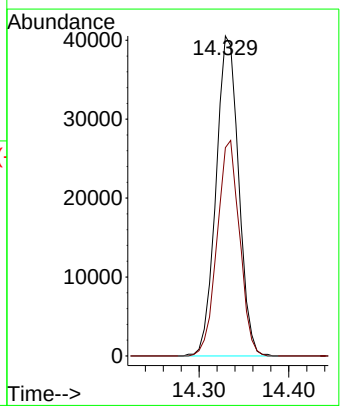


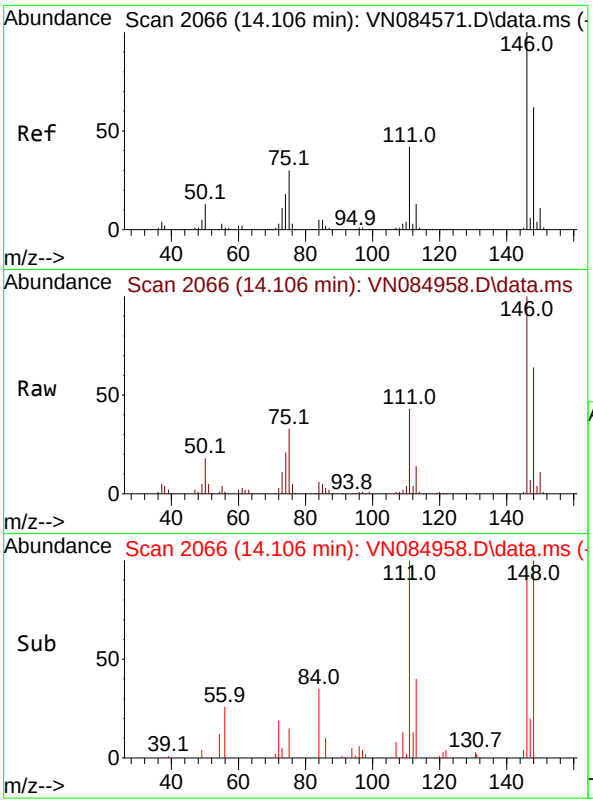


#90
Hexachloroethane
Concen: 45.429 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:117 Resp: 70949

Ion	Ratio	Lower	Upper
117	100		
201	67.0	34.4	103.2



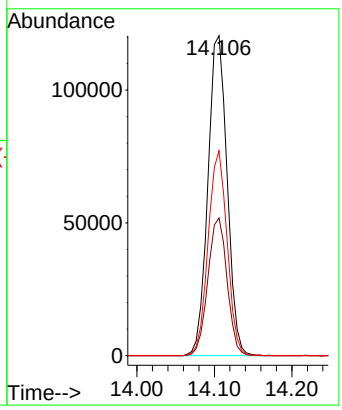


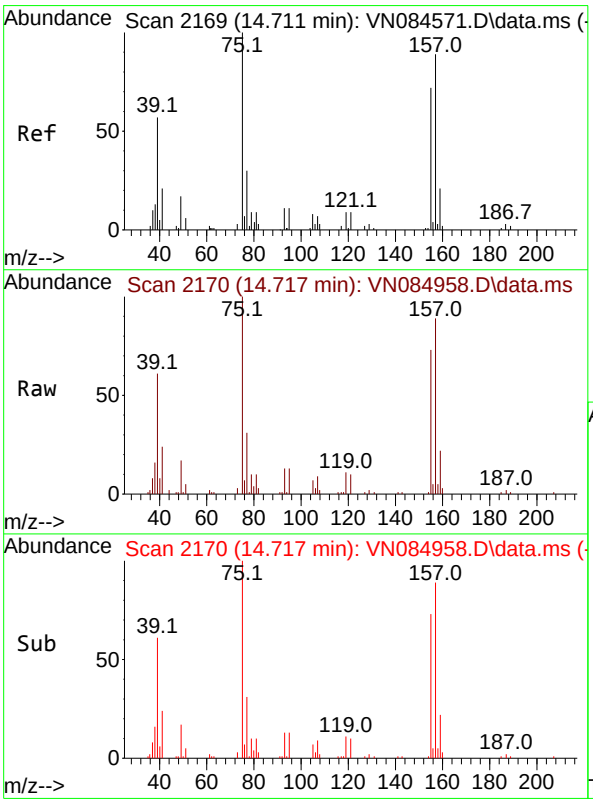
#91
1,2-Dichlorobenzene
Concen: 46.770 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 207798

Ion	Ratio	Lower	Upper
146	100		
111	43.1	22.0	66.0
148	63.2	32.1	96.3

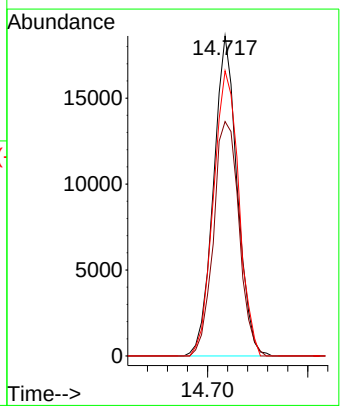


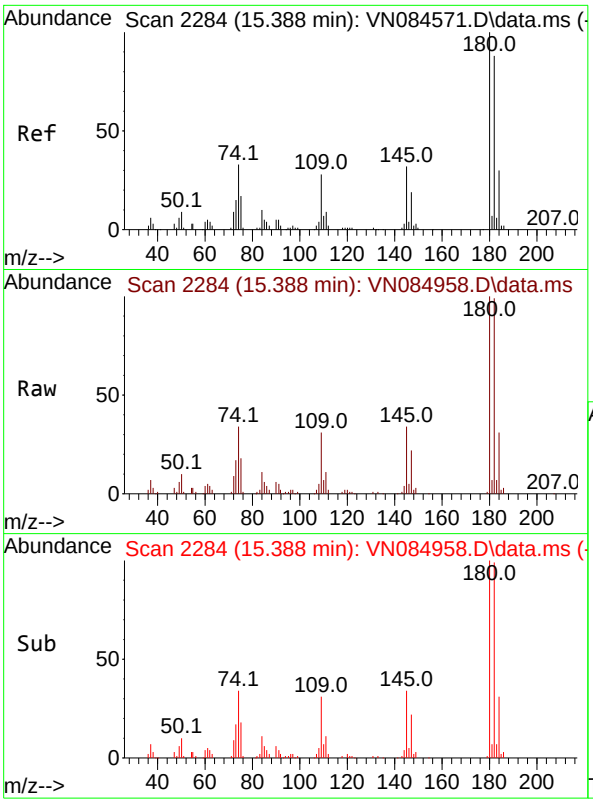


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.205 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion: 75 Resp: 30515

Ion	Ratio	Lower	Upper
75	100		
155	78.9	38.1	114.5
157	95.4	49.6	149.0



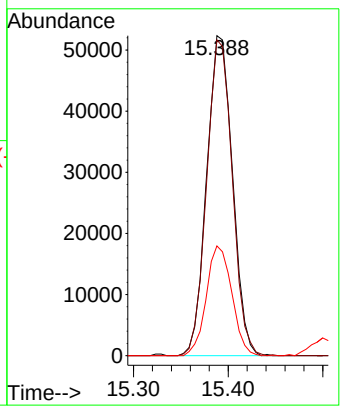


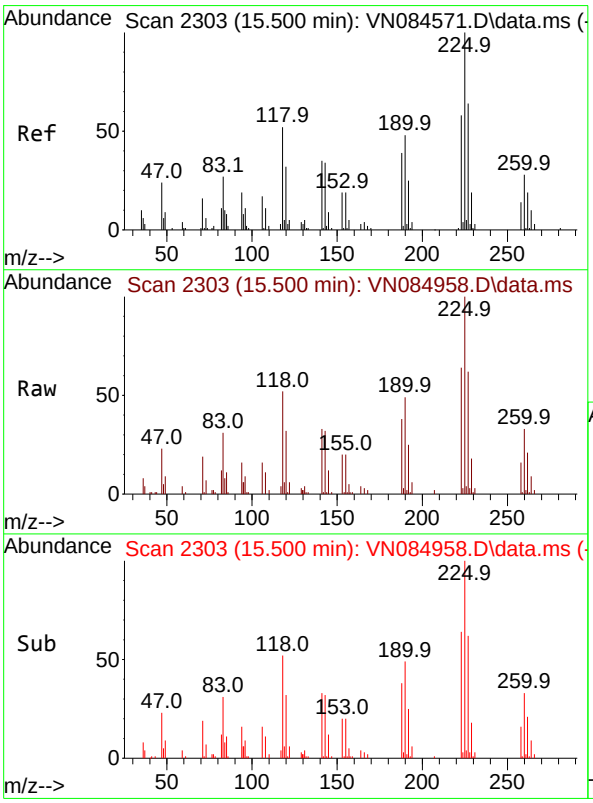
#93
1,2,4-Trichlorobenzene
Concen: 40.763 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 99130

Ion	Ratio	Lower	Upper
180	100		
182	97.7	47.0	141.0
145	33.8	16.4	49.4

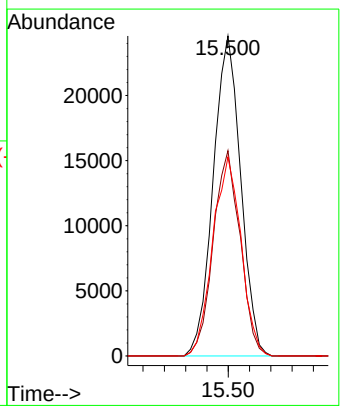


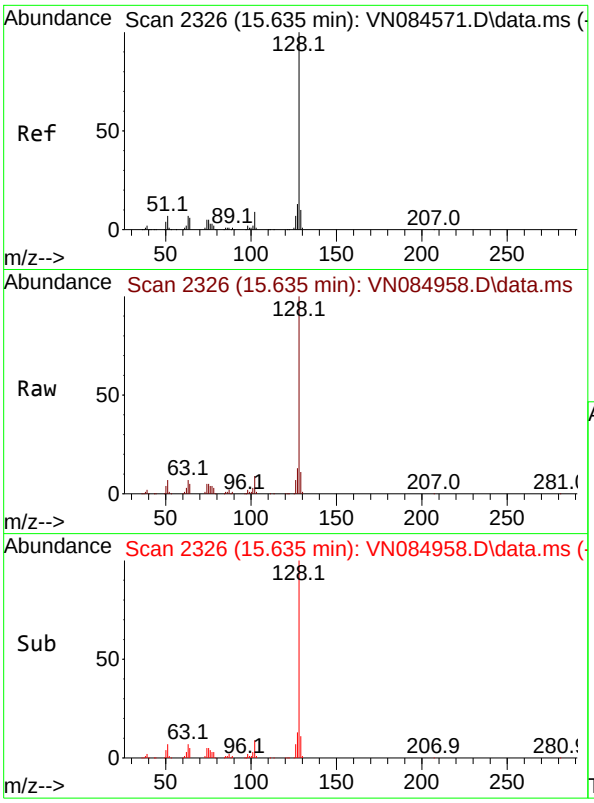


#94
Hexachlorobutadiene
Concen: 41.245 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:225 Resp: 44047

Ion	Ratio	Lower	Upper
225	100		
223	62.8	32.4	97.2
227	63.9	32.4	97.0



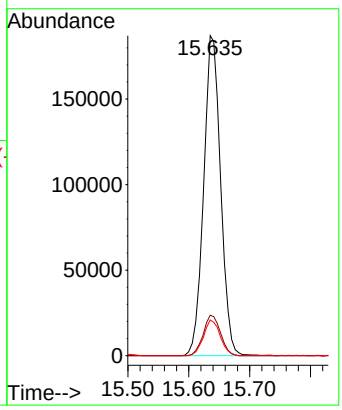


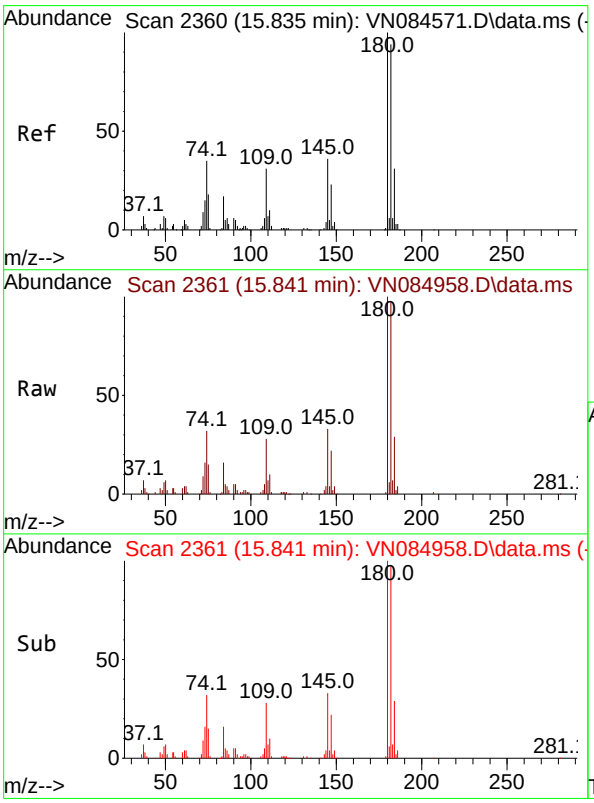
#95
Naphthalene
Concen: 49.725 ug/l
RT: 15.635 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 361946

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	11.0	8.7	13.1

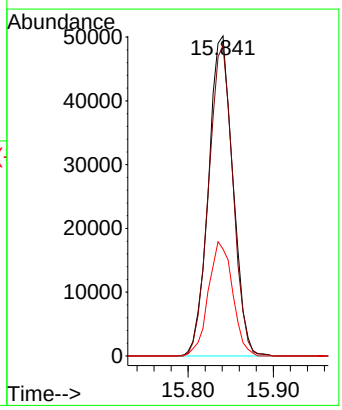




#96
1,2,3-Trichlorobenzene
Concen: 42.284 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084958.D
Acq: 19 Nov 2024 19:40

Tgt Ion:180 Resp: 99818

Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.2	144.6
145	35.5	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084960.D
Acq On : 20 Nov 2024 11:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Nov 21 00:32:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	164992	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	271316	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	240365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	122785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	107759	45.219	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.440%		
35) Dibromofluoromethane	8.159	113	85890	46.769	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.540%		
50) Toluene-d8	10.565	98	310714	45.930	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.860%		
62) 4-Bromofluorobenzene	12.847	95	121953	48.235	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.480%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	102999	54.304	ug/l	94
3) Chloromethane	2.359	50	110719	49.734	ug/l	98
4) Vinyl Chloride	2.512	62	107639	52.764	ug/l	98
5) Bromomethane	2.900	94	56156	51.955	ug/l	97
6) Chloroethane	3.071	64	67311	53.398	ug/l	94
7) Trichlorofluoromethane	3.471	101	176242	52.445	ug/l	98
8) Diethyl Ether	3.953	74	63921	53.922	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.353	101	101609	53.510	ug/l	100
10) Methyl Iodide	4.571	142	137664	54.245	ug/l	95
11) Tert butyl alcohol	5.541	59	90985	289.250	ug/l	99
12) 1,1-Dichloroethene	4.324	96	95095	50.612	ug/l	97
13) Acrolein	4.177	56	83697	266.836	ug/l	98
14) Allyl chloride	5.012	41	161833	53.110	ug/l	93
15) Acrylonitrile	5.718	53	255741	280.842	ug/l	99
16) Acetone	4.430	43	165010	239.592	ug/l	97
17) Carbon Disulfide	4.700	76	277268	47.919	ug/l	100
18) Methyl Acetate	5.024	43	126759	50.446	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	323521	56.177	ug/l	97
20) Methylene Chloride	5.265	84	107519	51.299	ug/l	92
21) trans-1,2-Dichloroethene	5.783	96	97972	50.781	ug/l	98
22) Diisopropyl ether	6.665	45	326570	53.937	ug/l	97
23) Vinyl Acetate	6.594	43	1220460	292.299	ug/l	99
24) 1,1-Dichloroethane	6.565	63	189216	52.053	ug/l	99
25) 2-Butanone	7.482	43	301402	271.102	ug/l	98
26) 2,2-Dichloropropane	7.482	77	175340	55.420	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	118648	52.668	ug/l	96
28) Bromochloromethane	7.812	49	72293	49.917	ug/l	92
29) Tetrahydrofuran	7.835	42	216108	293.003	ug/l	95
30) Chloroform	7.965	83	193933	52.416	ug/l	97
31) Cyclohexane	8.253	56	167902	51.034	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	178940	53.137	ug/l	98
36) 1,1-Dichloropropene	8.365	75	137824	54.113	ug/l	100
37) Ethyl Acetate	7.559	43	134705	58.292	ug/l	97
38) Carbon Tetrachloride	8.359	117	156315	54.908	ug/l	99
39) Methylcyclohexane	9.600	83	154889	59.777	ug/l	98
40) Benzene	8.606	78	426723	52.170	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084960.D
Acq On : 20 Nov 2024 11:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Nov 21 00:32:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	78926	63.513	ug/l		99
42) 1,2-Dichloroethane	8.665	62	143286	54.090	ug/l		99
43) Isopropyl Acetate	8.688	43	242469	56.930	ug/l		100
44) Trichloroethene	9.347	130	99056	52.511	ug/l		100
45) 1,2-Dichloropropane	9.618	63	104248	54.331	ug/l		96
46) Dibromomethane	9.706	93	73957	54.624	ug/l		99
47) Bromodichloromethane	9.888	83	154269	54.053	ug/l		99
48) Methyl methacrylate	9.676	41	109069	60.645	ug/l		97
49) 1,4-Dioxane	9.700	88	36313	1139.408	ug/l	#	81
51) 4-Methyl-2-Pentanone	10.441	43	683902	310.450	ug/l		98
52) Toluene	10.629	92	270072	56.456	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	160608	54.366	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	172110	55.045	ug/l		96
55) 1,1,2-Trichloroethane	11.018	97	98018	54.394	ug/l		96
56) Ethyl methacrylate	10.870	69	165749	63.590	ug/l		96
57) 1,3-Dichloropropane	11.165	76	172010	55.619	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	371343	304.461	ug/l		98
59) 2-Hexanone	11.194	43	536530	334.603	ug/l		98
60) Dibromochloromethane	11.359	129	117689	57.305	ug/l		100
61) 1,2-Dibromoethane	11.465	107	100326	54.368	ug/l		100
64) Tetrachloroethene	11.100	164	85588	53.532	ug/l		97
65) Chlorobenzene	11.888	112	284076	52.828	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	101276	54.146	ug/l		99
67) Ethyl Benzene	11.965	91	507651	56.556	ug/l		100
68) m/p-Xylenes	12.070	106	391940	115.337	ug/l		100
69) o-Xylene	12.394	106	187331	58.928	ug/l		99
70) Styrene	12.412	104	319362	57.589	ug/l		100
71) Bromoform	12.576	173	79345	56.375	ug/l	#	99
73) Isopropylbenzene	12.694	105	479086	55.679	ug/l		99
74) N-amyl acetate	12.494	43	205323	56.065	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.941	83	146589	51.040	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	194274	79.153	ug/l		58
77) Bromobenzene	12.976	156	113414	49.030	ug/l		98
78) n-propylbenzene	13.035	91	563327	55.869	ug/l		99
79) 2-Chlorotoluene	13.123	91	349601	53.064	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	407010	57.072	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	56982	55.078	ug/l		94
82) 4-Chlorotoluene	13.217	91	353895	51.041	ug/l		99
83) tert-Butylbenzene	13.435	119	348071	58.973	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	414294	56.287	ug/l		99
85) sec-Butylbenzene	13.611	105	467025	56.017	ug/l		99
86) p-Isopropyltoluene	13.729	119	401222	58.679	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	213991	47.403	ug/l		100
88) 1,4-Dichlorobenzene	13.811	146	213744	51.698	ug/l		99
89) n-Butylbenzene	14.053	91	339784	53.124	ug/l		99
90) Hexachloroethane	14.335	117	75005	49.189	ug/l		97
91) 1,2-Dichlorobenzene	14.106	146	212272	48.934	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	31109	53.467	ug/l		97
93) 1,2,4-Trichlorobenzene	15.394	180	112274	47.286	ug/l		99
94) Hexachlorobutadiene	15.500	225	49818	47.779	ug/l		98
95) Naphthalene	15.641	128	368434	51.842	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	106677	46.284	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084960.D
Acq On : 20 Nov 2024 11:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Nov 21 00:32:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

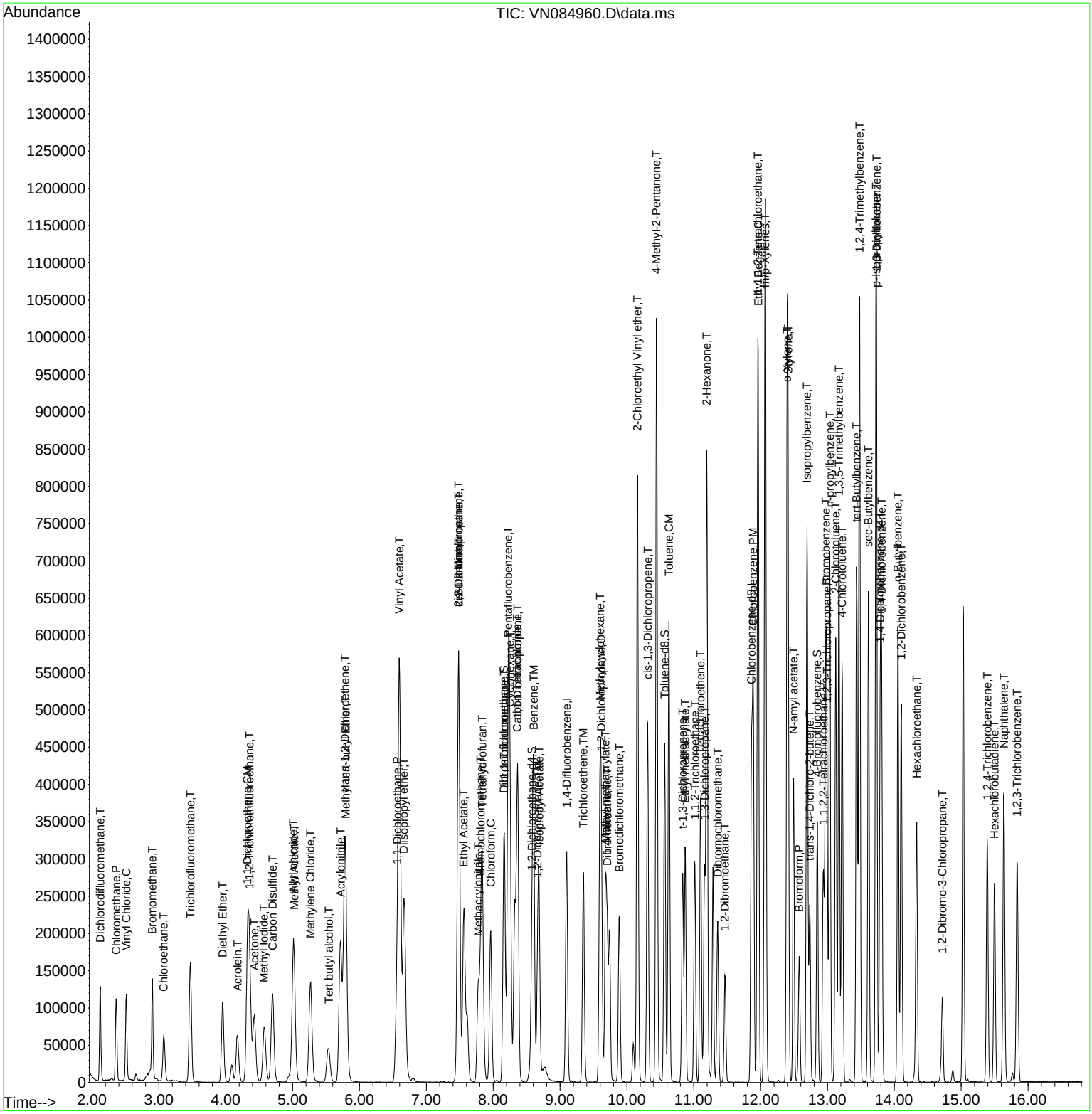
(#) = qualifier out of range (m) = manual integration (+) = signals summed

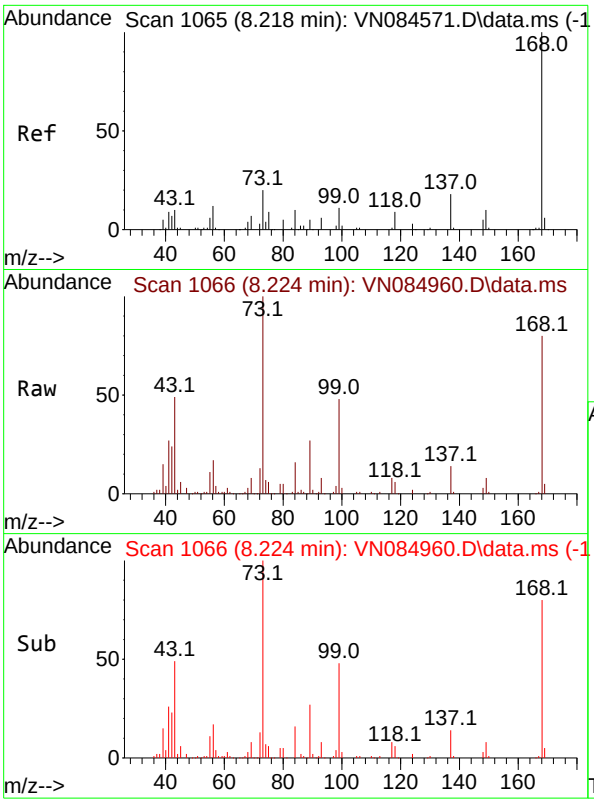
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084960.D
Acq On : 20 Nov 2024 11:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Nov 21 00:32:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



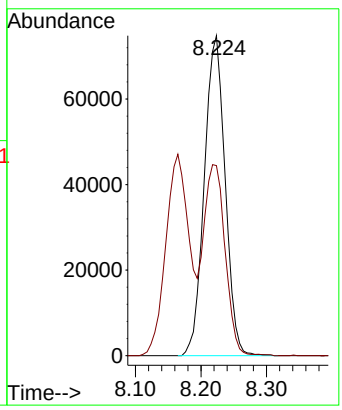


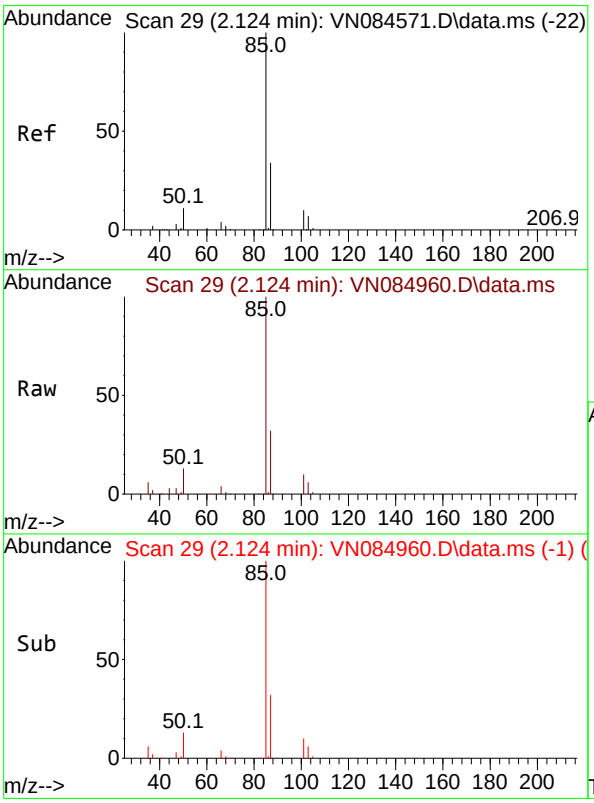
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 164992

Ion	Ratio	Lower	Upper
168	100		
99	59.4	54.2	81.2

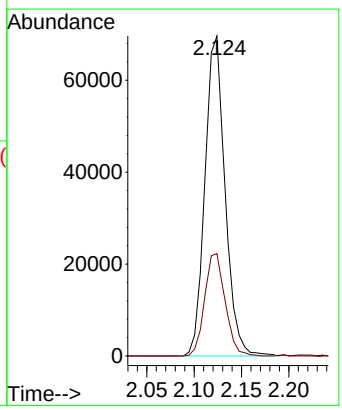


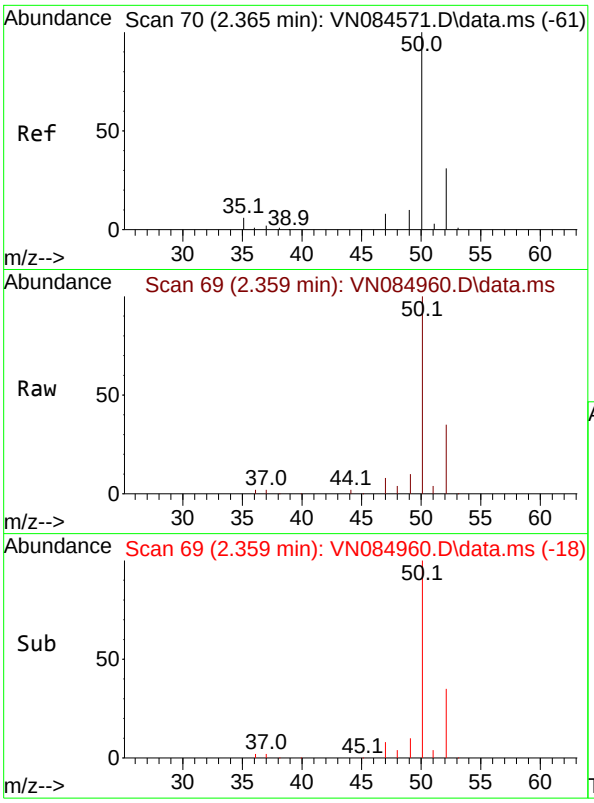


#2
Dichlorodifluoromethane
Concen: 54.304 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 85 Resp: 102999

Ion	Ratio	Lower	Upper
85	100		
87	32.0	17.6	52.9



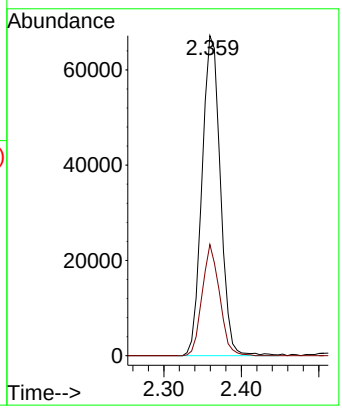


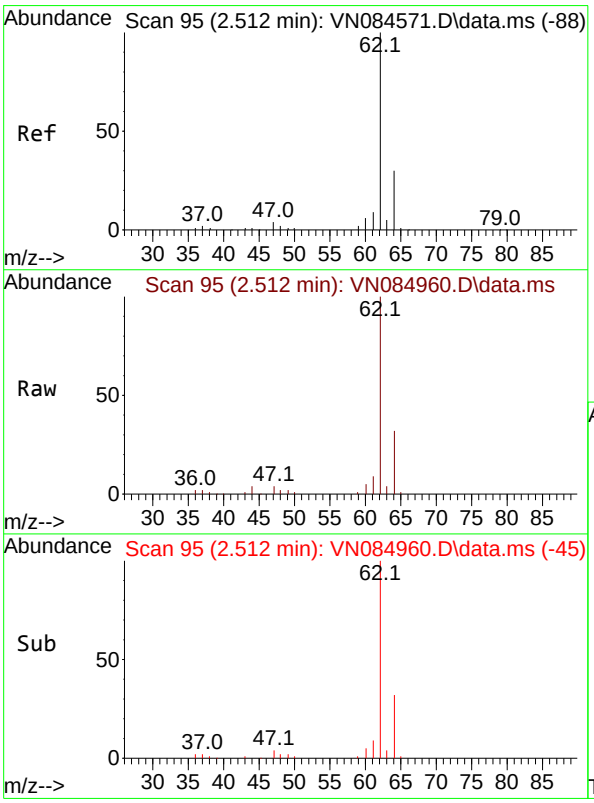
#3
Chloromethane
Concen: 49.734 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 110719

Ion	Ratio	Lower	Upper
50	100		
52	34.7	26.8	40.2

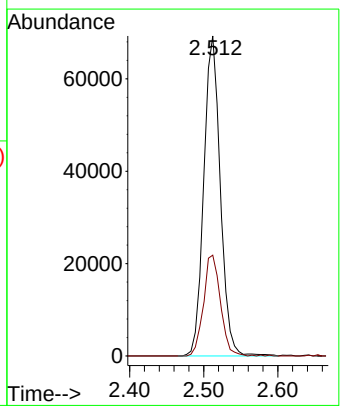


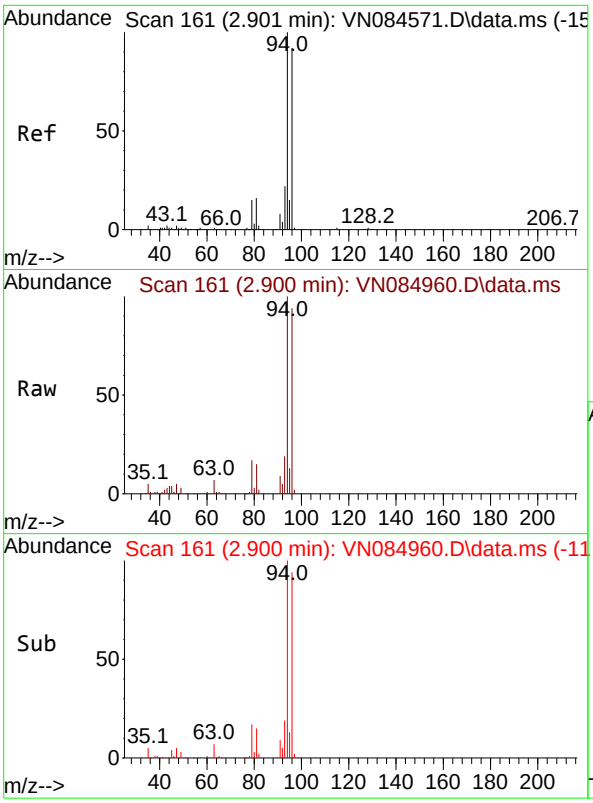


#4
Vinyl Chloride
Concen: 52.764 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 62 Resp: 107639

Ion	Ratio	Lower	Upper
62	100		
64	31.5	26.2	39.4



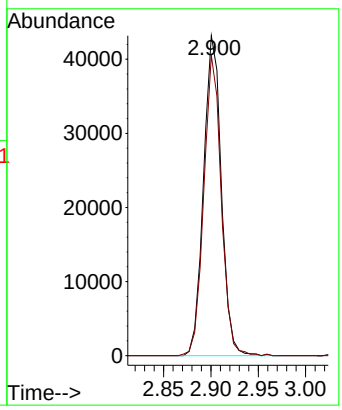


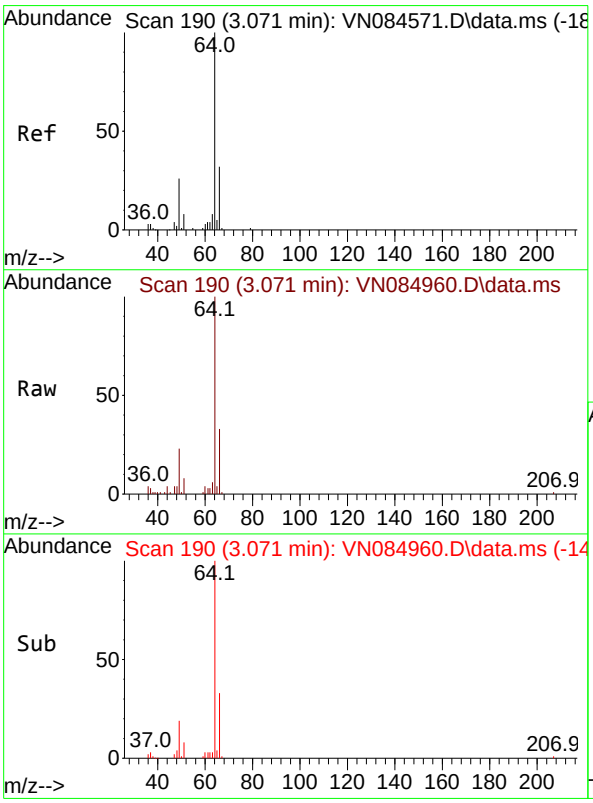
#5
Bromomethane
Concen: 51.955 ug/l
RT: 2.900 min Scan# 1
Delta R.T. -0.053 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 56156

Ion	Ratio	Lower	Upper
94	100		
96	93.8	72.9	109.3

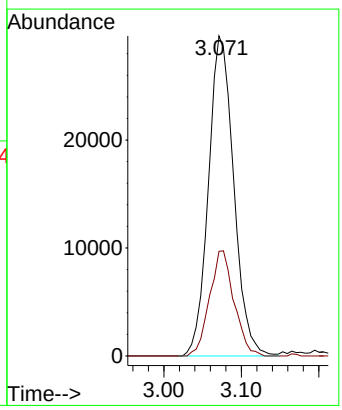


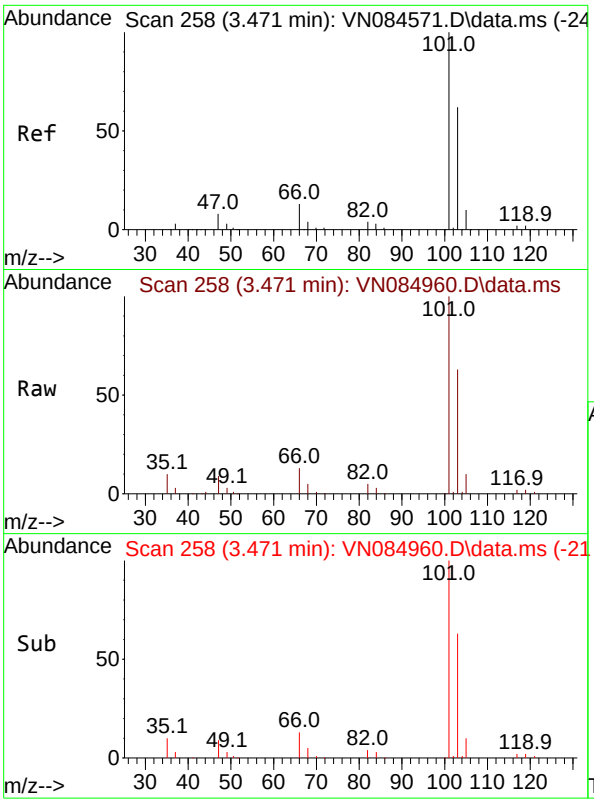


#6
Chloroethane
Concen: 53.398 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.047 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 64 Resp: 67311

Ion	Ratio	Lower	Upper
64	100		
66	32.7	23.5	35.3



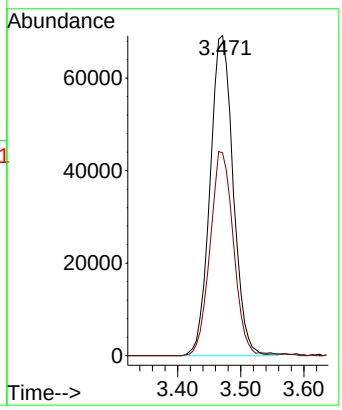


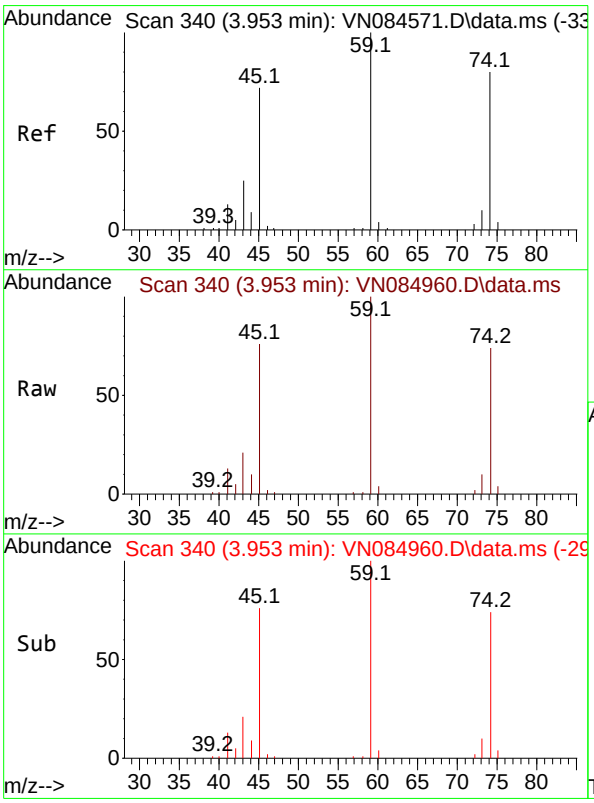
#7
Trichlorofluoromethane
Concen: 52.445 ug/l
RT: 3.471 min Scan# 2
Delta R.T. -0.024 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 176242

Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.8	77.6

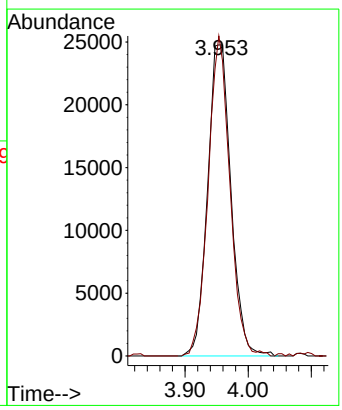


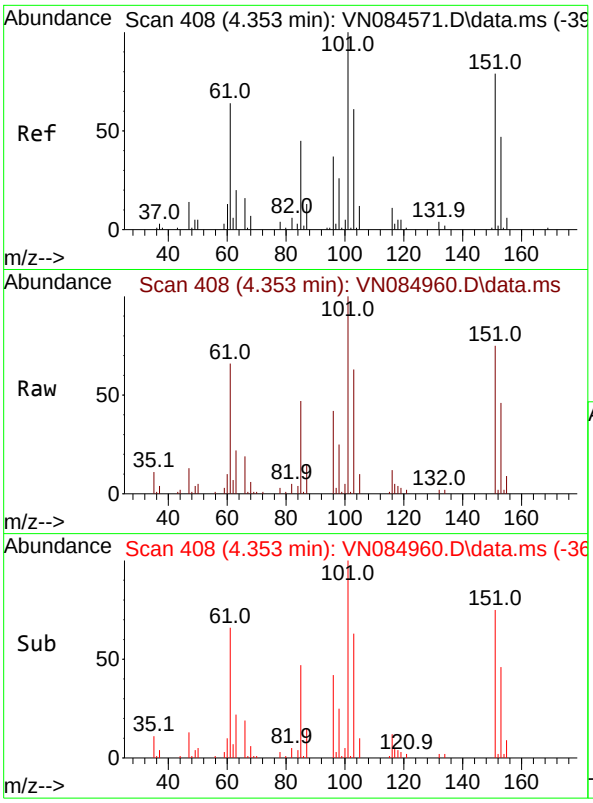


#8
Diethyl Ether
Concen: 53.922 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 74 Resp: 63921

Ion	Ratio	Lower	Upper
74	100		
45	95.3	47.7	143.1



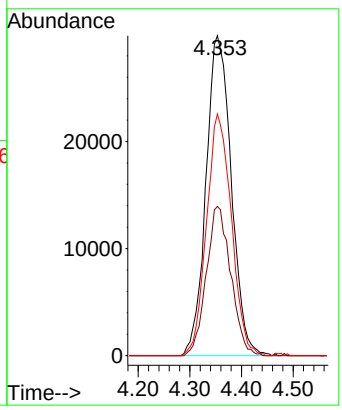


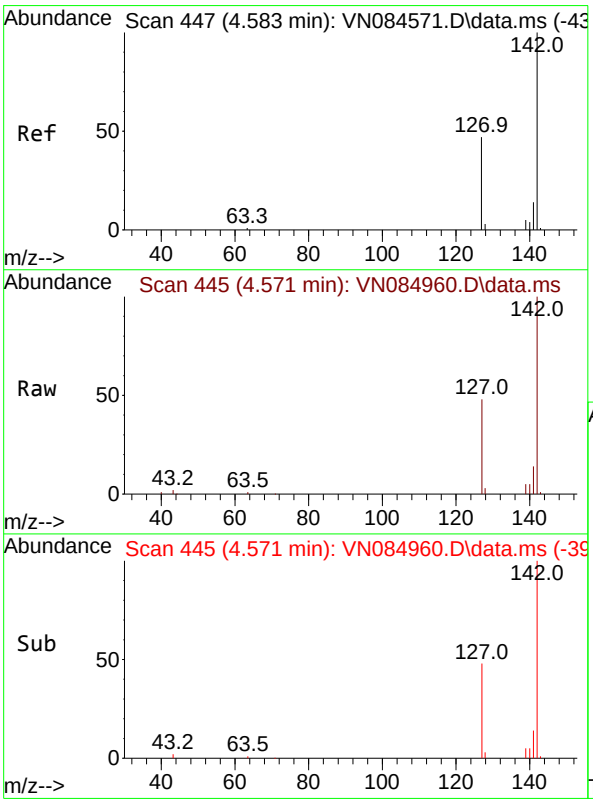
#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.510 ug/l
RT: 4.353 min Scan# 4(
Delta R.T. -0.018 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 101609

Ion	Ratio	Lower	Upper
101	100		
85	45.1	36.2	54.4
151	74.3	59.3	88.9

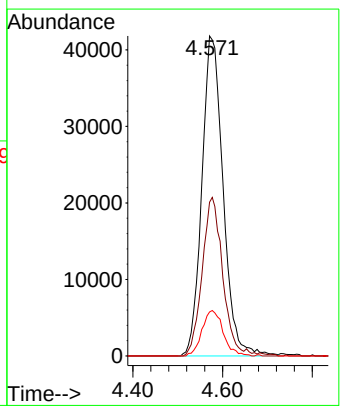


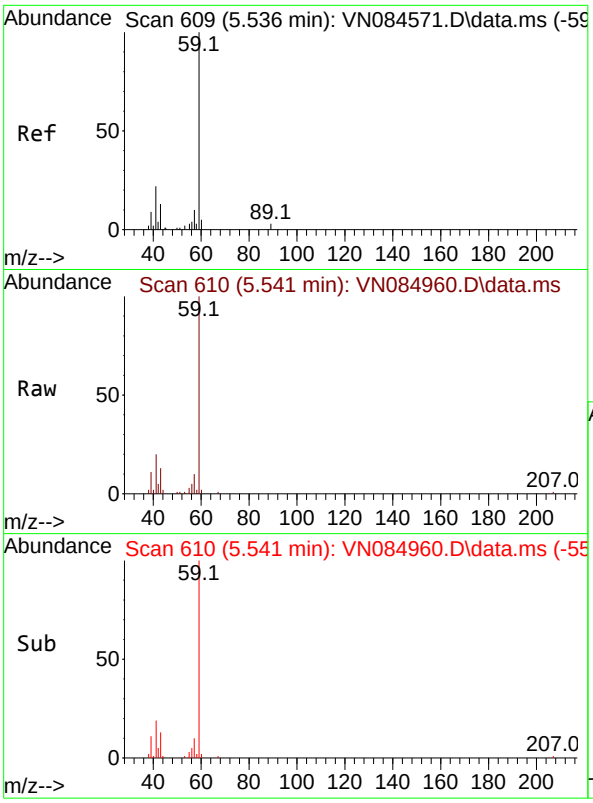


#10
Methyl Iodide
Concen: 54.245 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.024 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:142 Resp: 137664

Ion	Ratio	Lower	Upper
142	100		
127	48.0	35.3	52.9
141	13.7	11.0	16.6



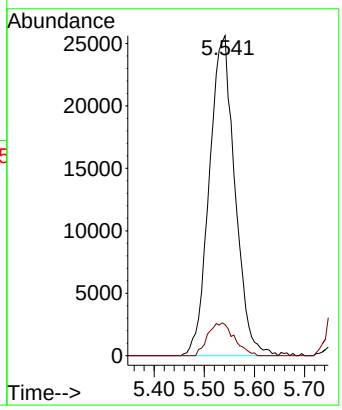


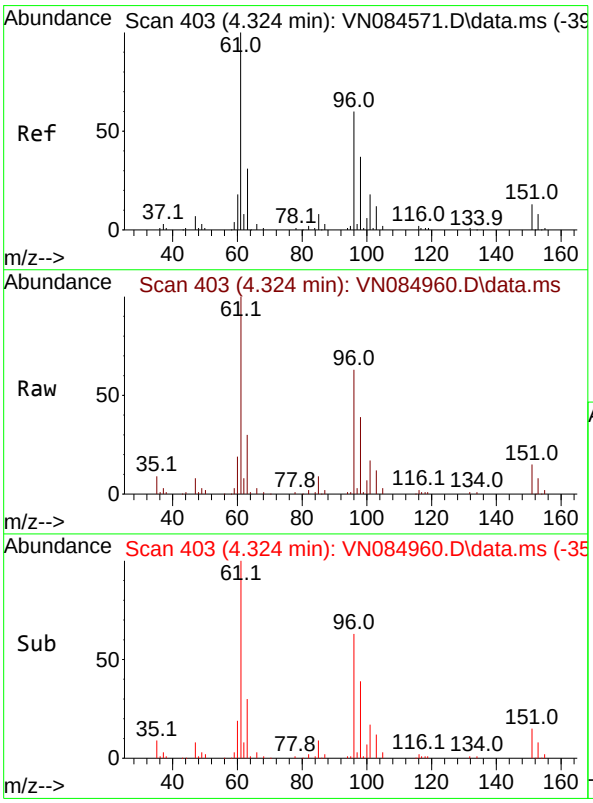
#11
Tert butyl alcohol
Concen: 289.250 ug/l
RT: 5.541 min Scan# 61
Delta R.T. 0.018 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 90985

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.2

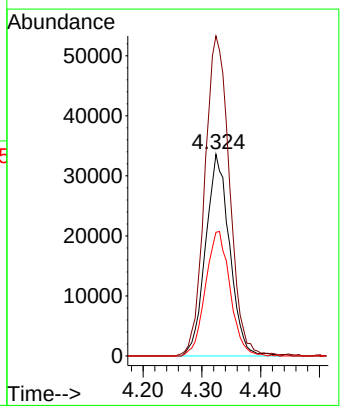


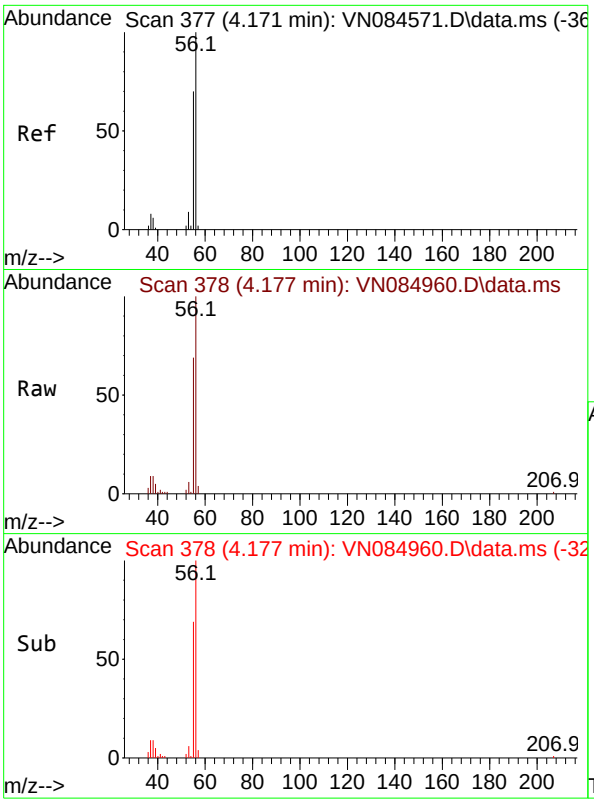


#12
1,1-Dichloroethene
Concen: 50.612 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 96 Resp: 95095

Ion	Ratio	Lower	Upper
96	100		
61	158.2	128.6	192.8
98	61.3	51.7	77.5



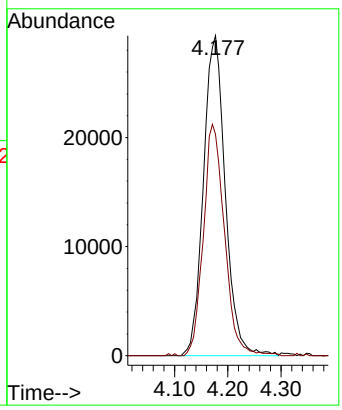


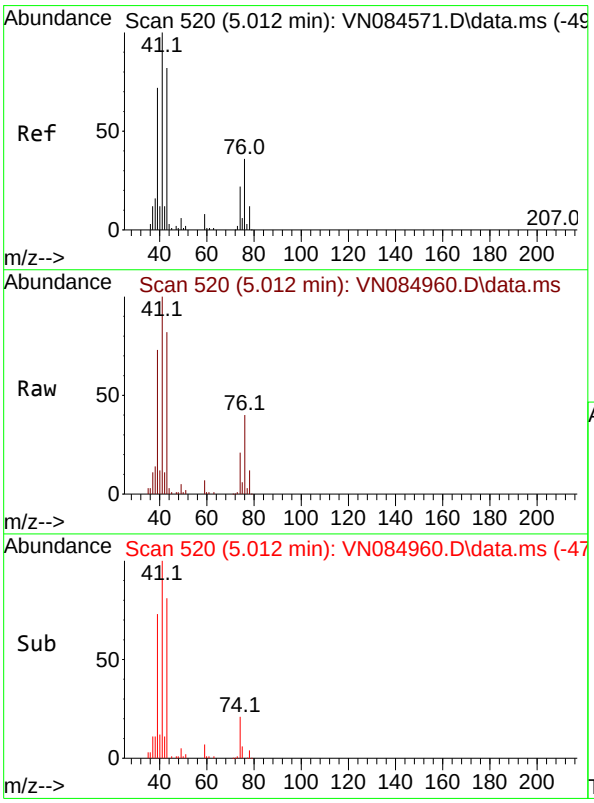
#13
Acrolein
Concen: 266.836 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 83697

Ion	Ratio	Lower	Upper
56	100		
55	69.9	57.2	85.8

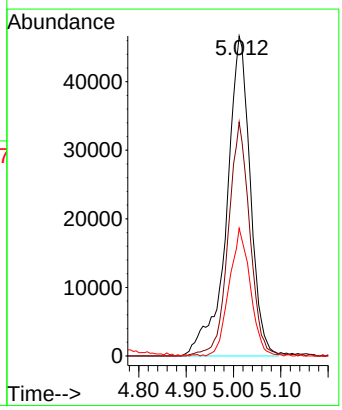


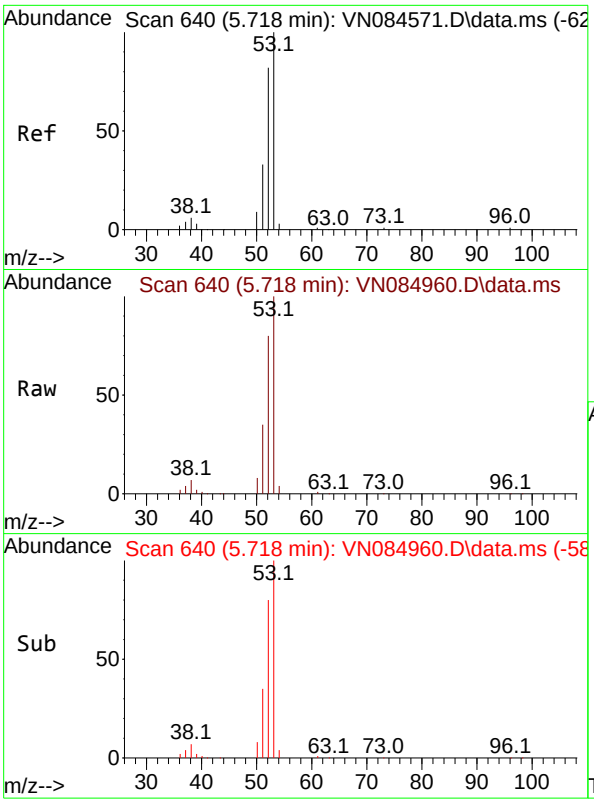


#14
Allyl chloride
Concen: 53.110 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 41 Resp: 161833

Ion	Ratio	Lower	Upper
41	100		
39	66.6	59.0	88.6
76	35.6	29.8	44.6



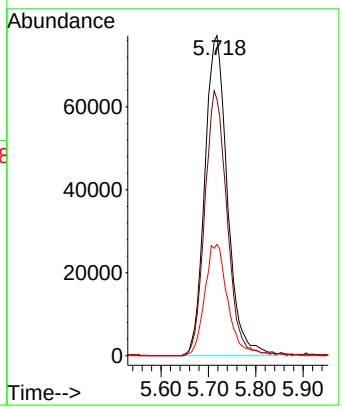


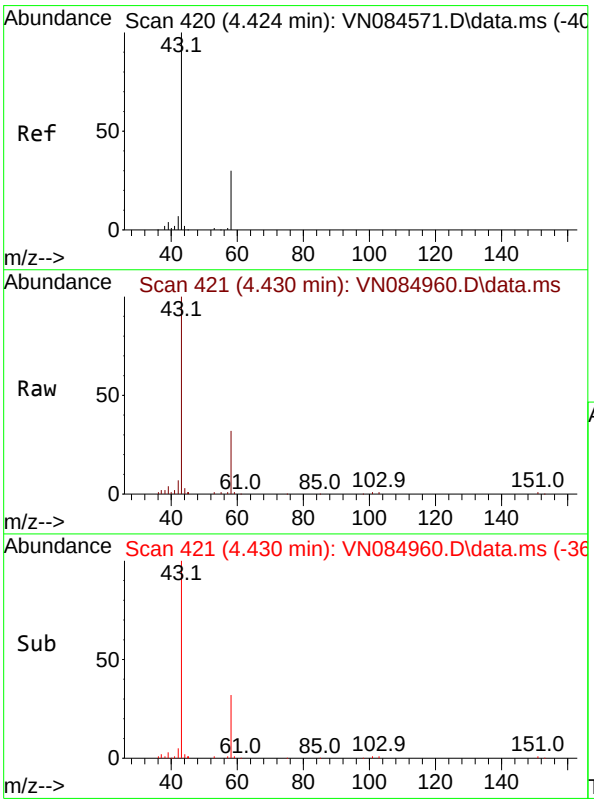
#15
Acrylonitrile
Concen: 280.842 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 255741

Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.2	99.4
51	35.8	28.8	43.2

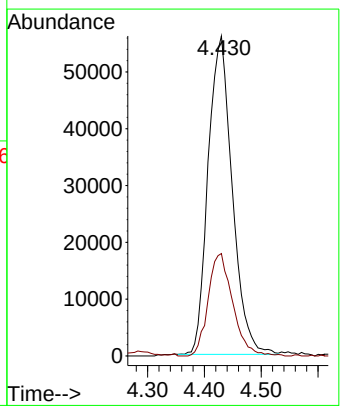


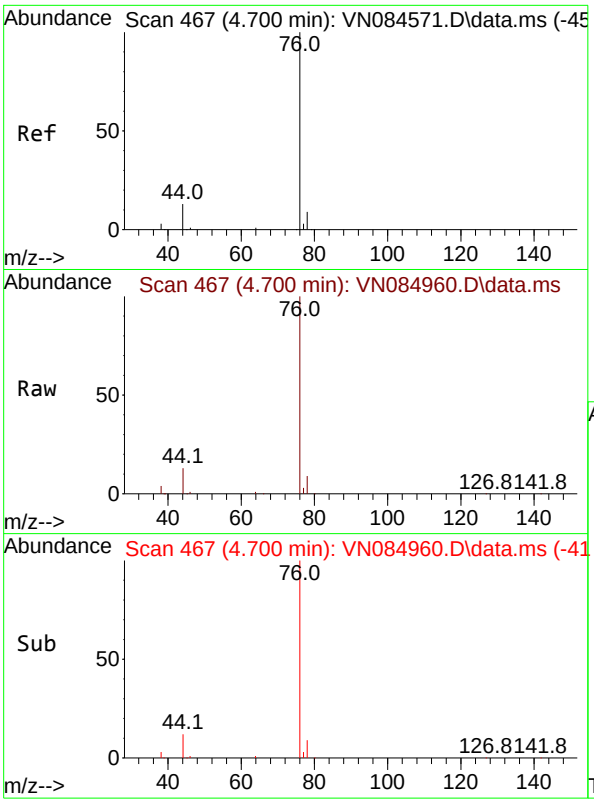


#16
Acetone
Concen: 239.592 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 43 Resp: 165010

Ion	Ratio	Lower	Upper
43	100		
58	32.1	24.4	36.6



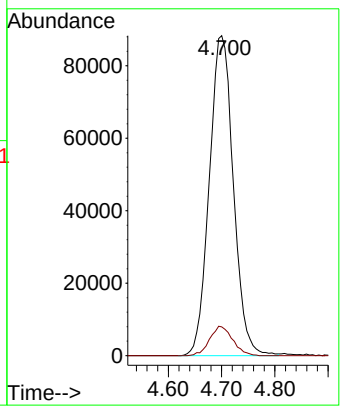


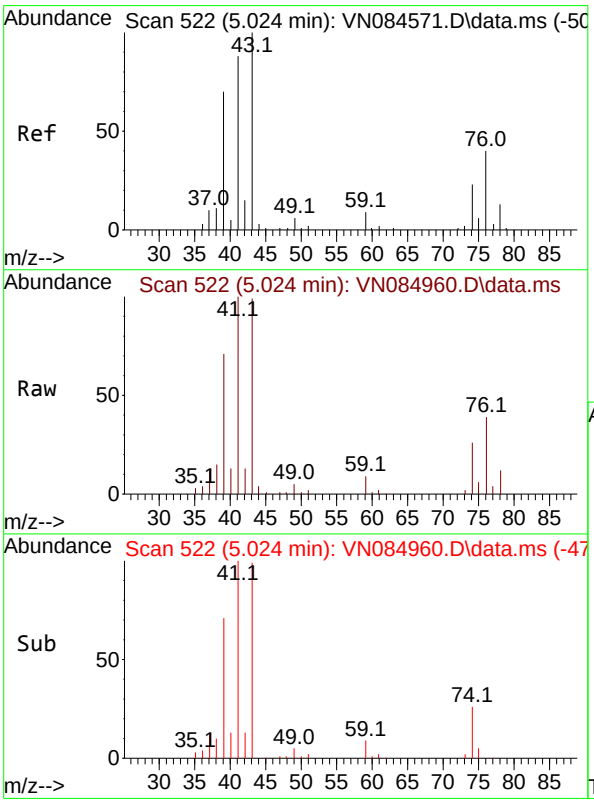
#17
Carbon Disulfide
Concen: 47.919 ug/l
RT: 4.700 min Scan# 4
Delta R.T. -0.012 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 277268

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

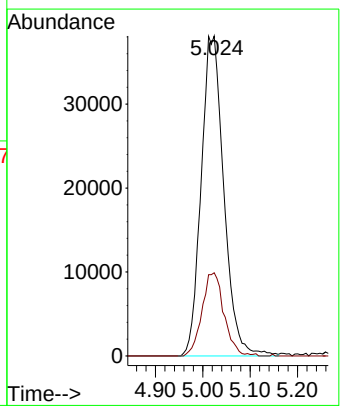


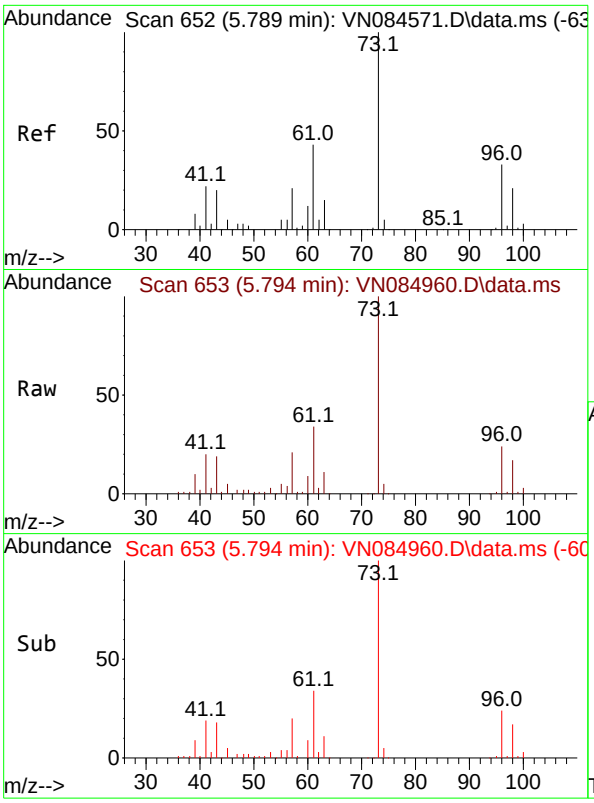


#18
Methyl Acetate
Concen: 50.446 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 43 Resp: 126759

Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.2	28.8



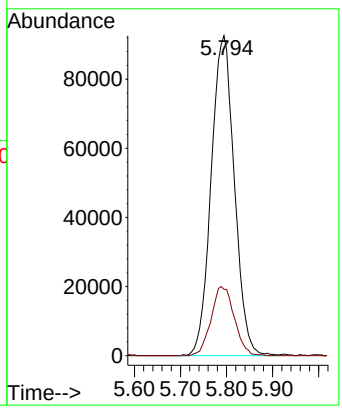


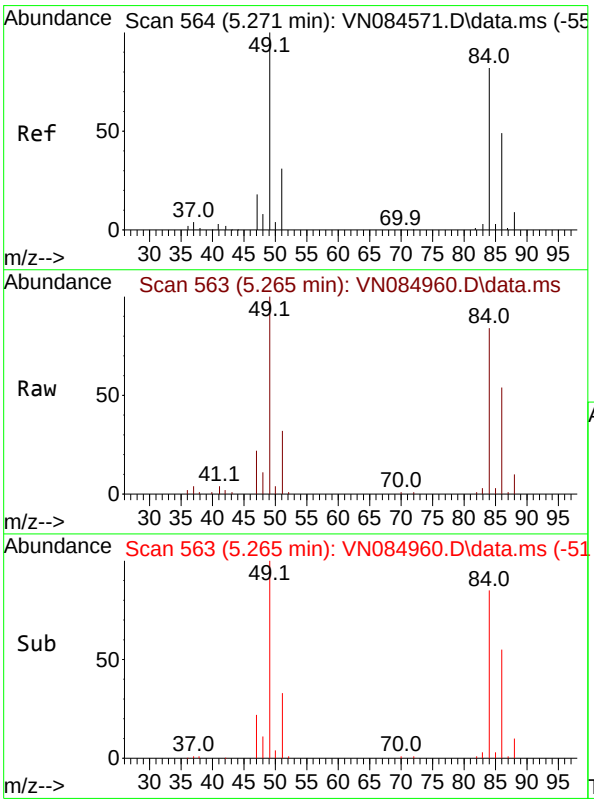
#19
Methyl tert-butyl Ether
Concen: 56.177 ug/l
RT: 5.794 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 323521

Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.7	26.5

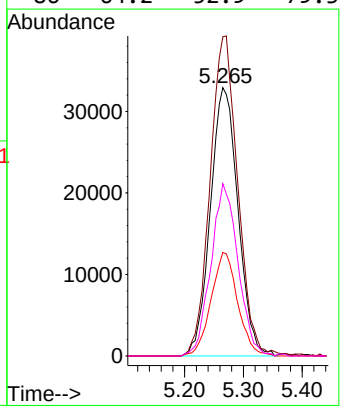


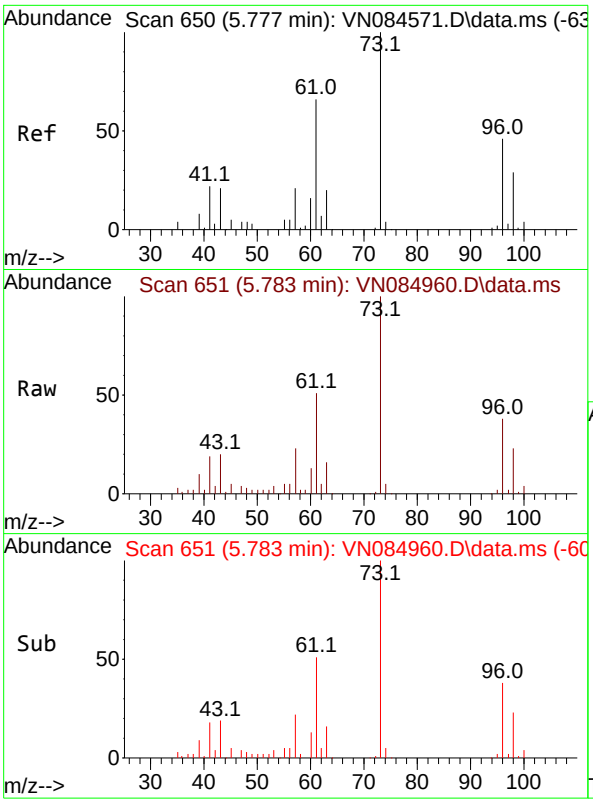


#20
Methylene Chloride
Concen: 51.299 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 84 Resp: 107519

Ion	Ratio	Lower	Upper
84	100		
49	119.0	107.2	160.8
51	38.6	31.8	47.8
86	64.2	52.9	79.3



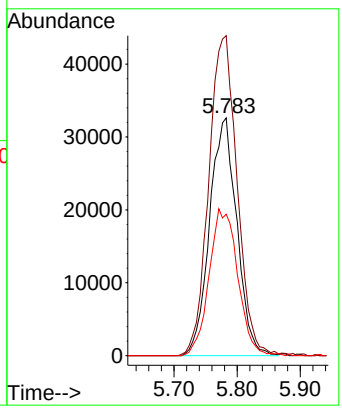


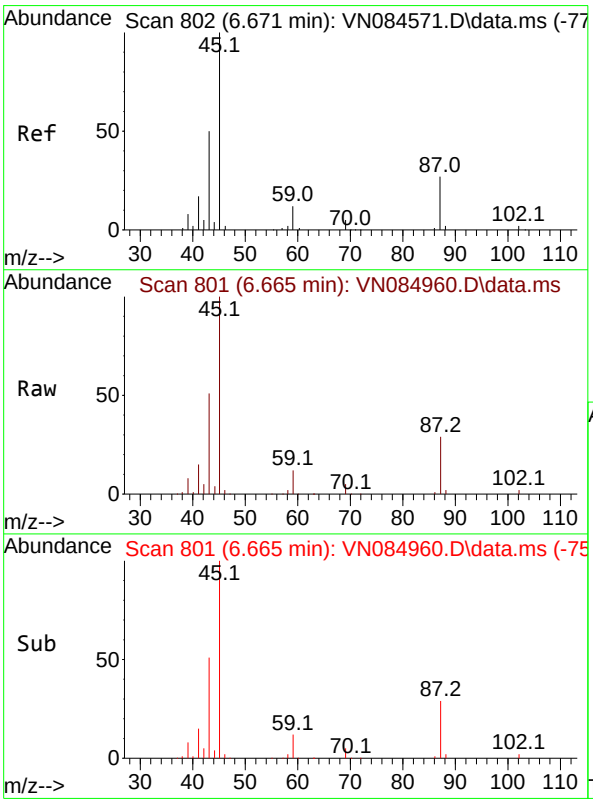
#21
trans-1,2-Dichloroethene
Concen: 50.781 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 97972

Ion	Ratio	Lower	Upper
96	100		
61	134.6	108.4	162.6
98	59.5	49.8	74.8

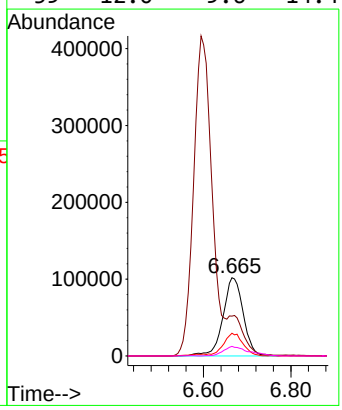


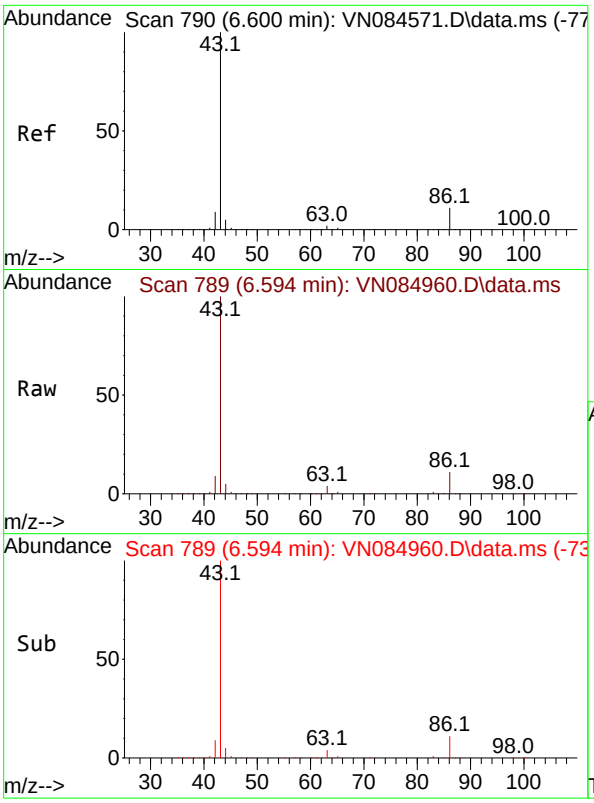


#22
Diisopropyl ether
Concen: 53.937 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 45 Resp: 326570

Ion	Ratio	Lower	Upper
45	100		
43	50.0	42.3	63.5
87	29.1	21.8	32.6
59	12.0	9.6	14.4



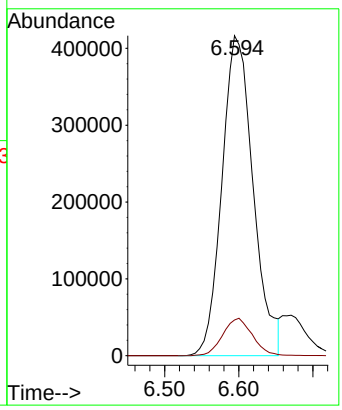


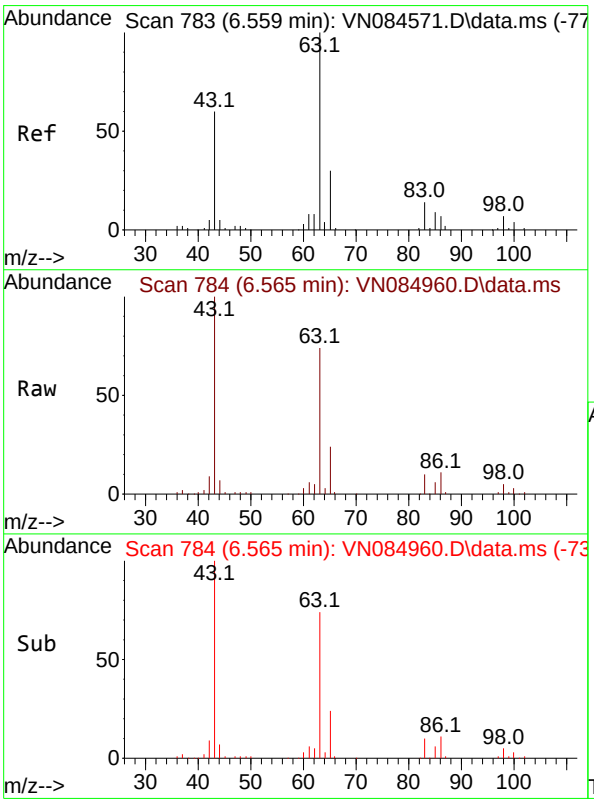
#23
Vinyl Acetate
Concen: 292.299 ug/l
RT: 6.594 min Scan# 7
Delta R.T. -0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1220460

Ion	Ratio	Lower	Upper
43	100		
86	11.2	8.6	12.8

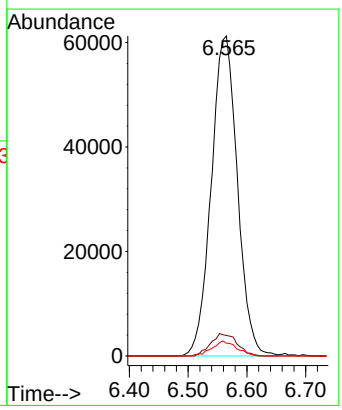


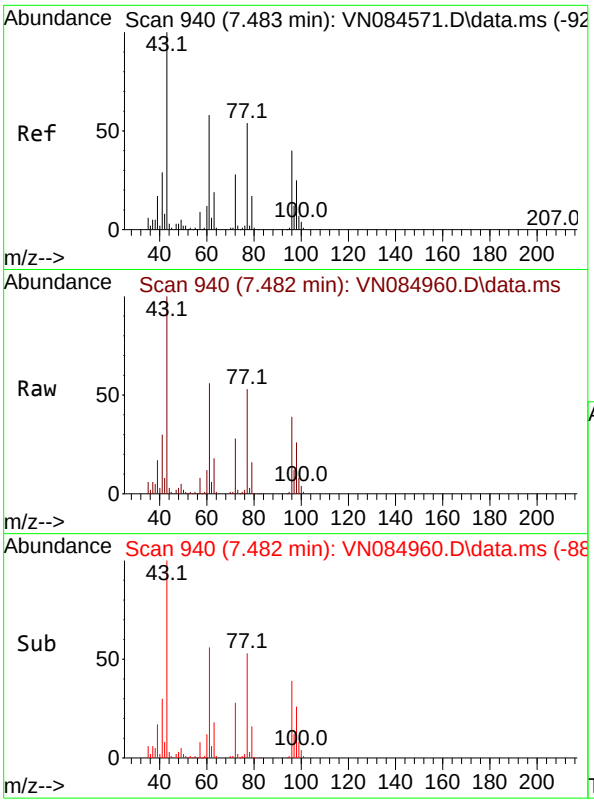


#24
1,1-Dichloroethane
Concen: 52.053 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 63 Resp: 189216

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.4	10.2
100	4.0	2.0	5.8



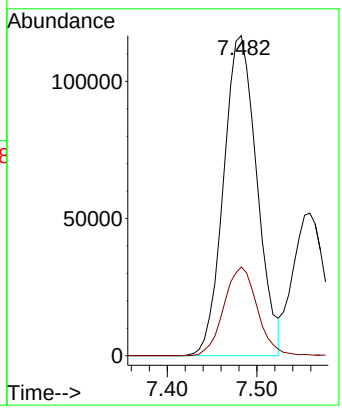


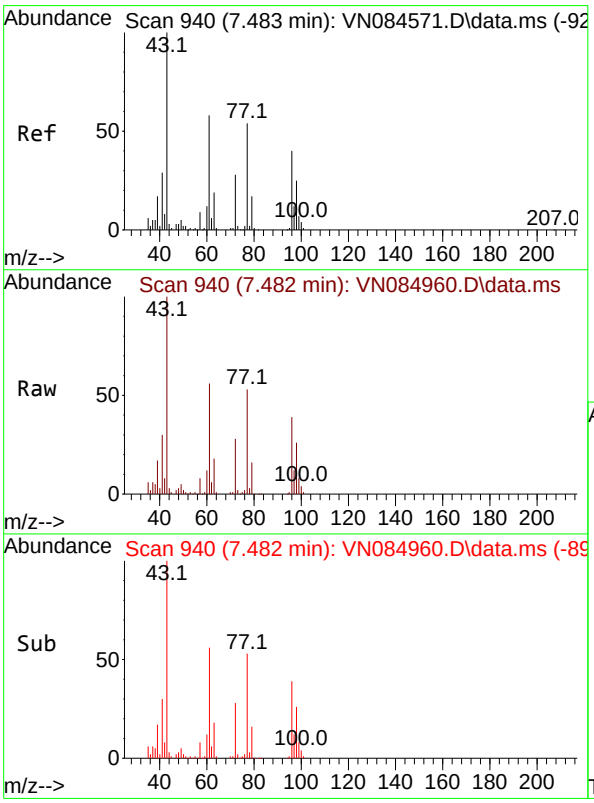
#25
2-Butanone
Concen: 271.102 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 301402

Ion	Ratio	Lower	Upper
43	100		
72	27.7	21.4	32.2

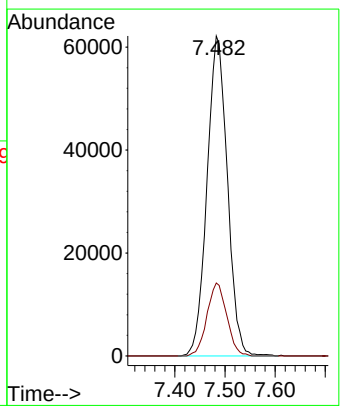


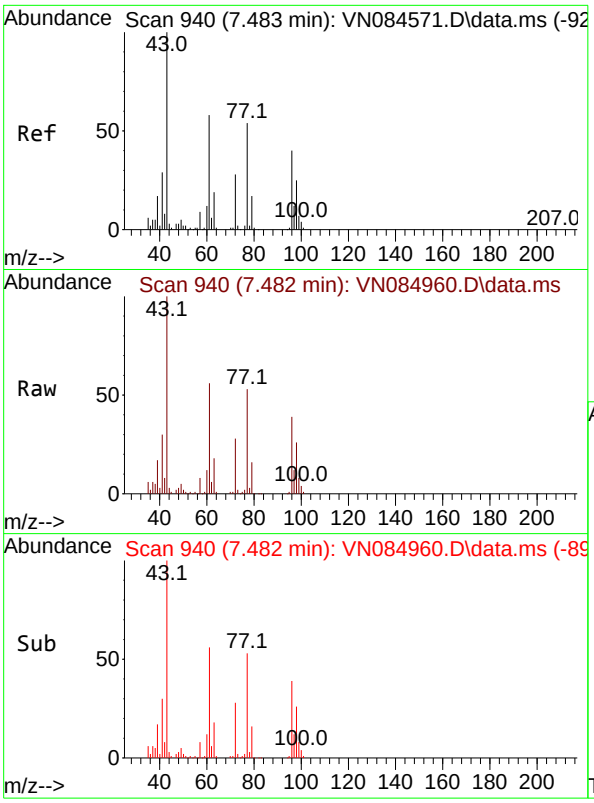


#26
2,2-Dichloropropane
Concen: 55.420 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 77 Resp: 175340

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.8	32.3



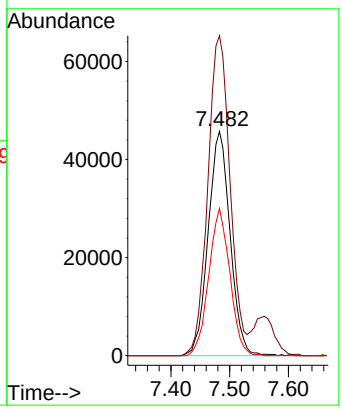


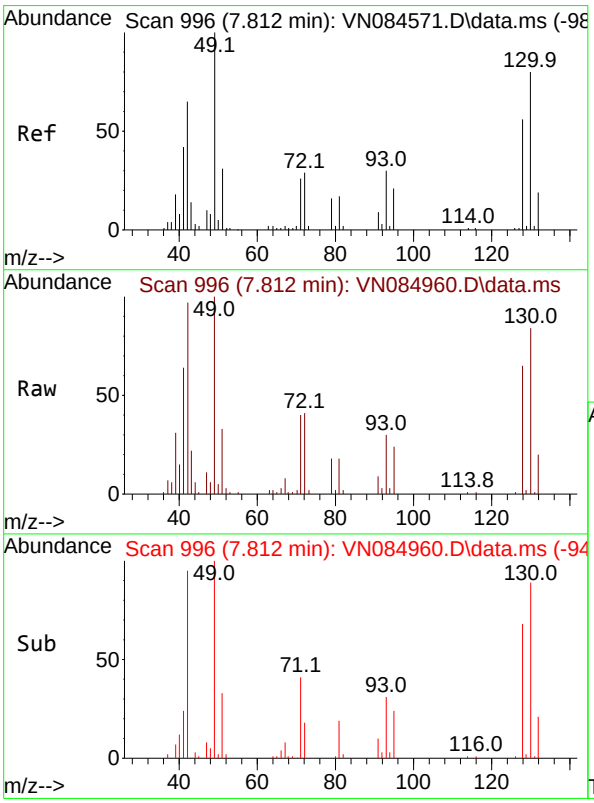
#27
cis-1,2-Dichloroethene
Concen: 52.668 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 118648

Ion	Ratio	Lower	Upper
96	100		
61	144.8	0.0	301.8
98	63.1	0.0	128.2

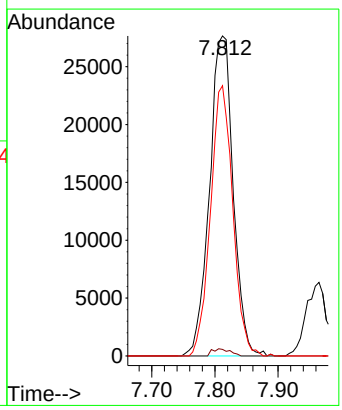


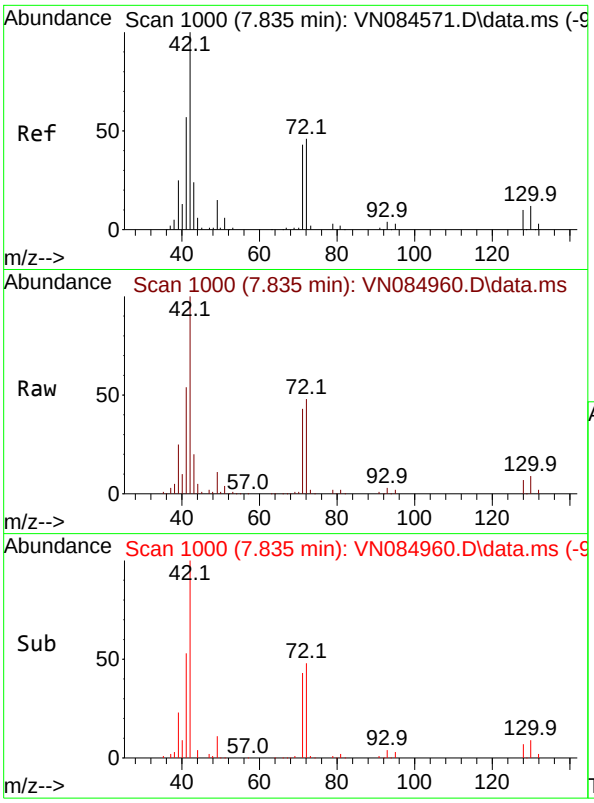


#28
Bromochloromethane
Concen: 49.917 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 49 Resp: 72293

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	79.4	58.0	87.0



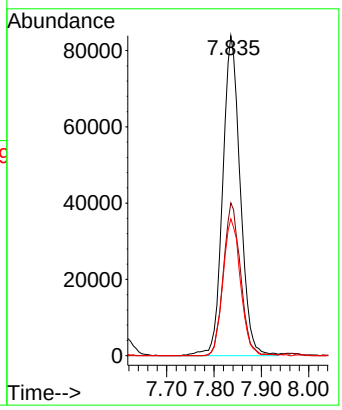


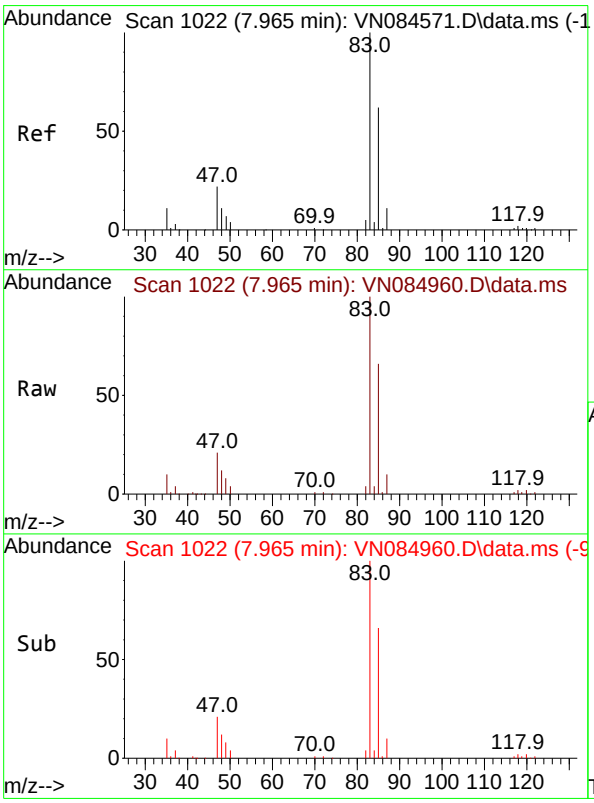
#29
Tetrahydrofuran
Concen: 293.003 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 216108

Ion	Ratio	Lower	Upper
42	100		
72	46.6	34.6	51.8
71	42.8	32.2	48.4

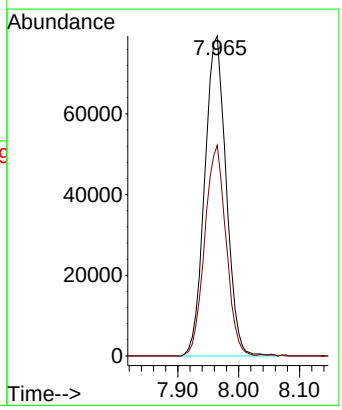


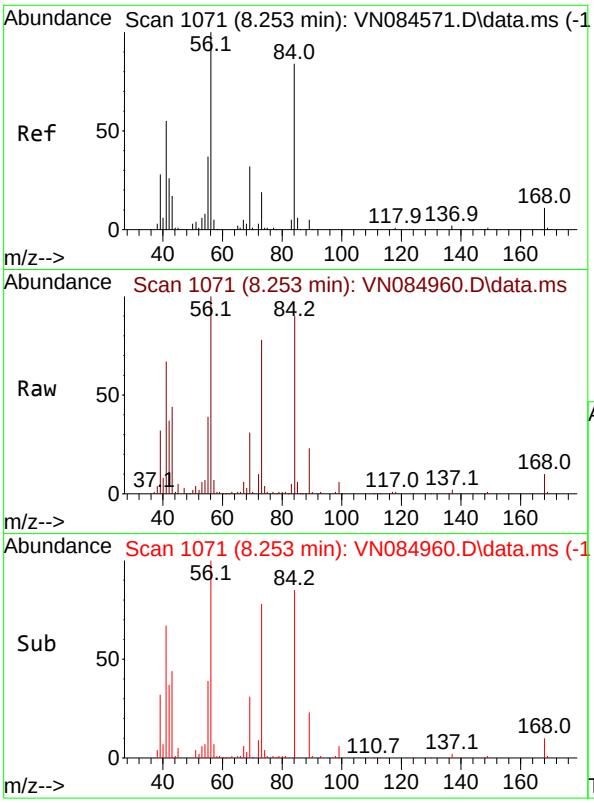


#30
Chloroform
Concen: 52.416 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 83 Resp: 193933

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.0	76.4



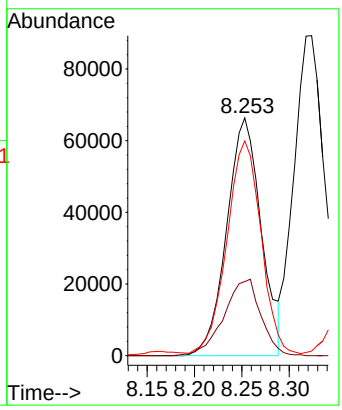


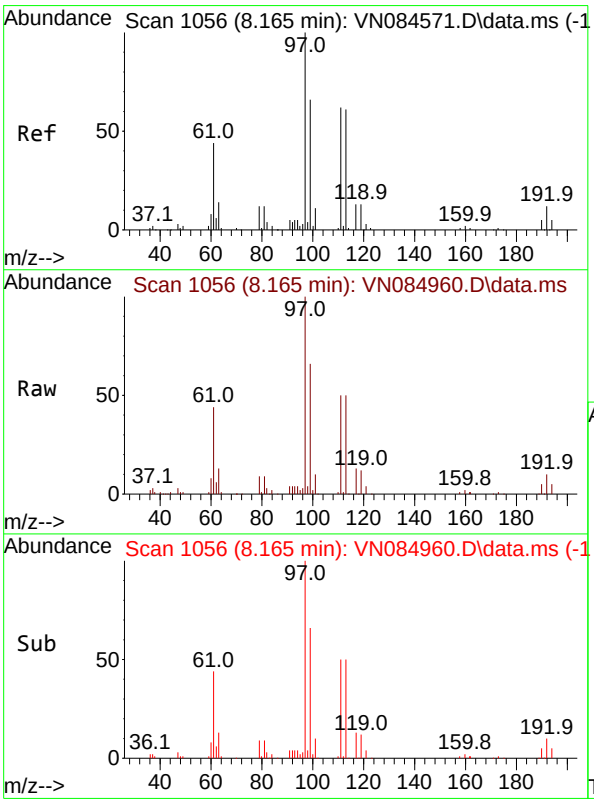
#31
Cyclohexane
Concen: 51.034 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 167902

Ion	Ratio	Lower	Upper
56	100		
69	30.8	23.8	35.6
84	89.0	68.8	103.2

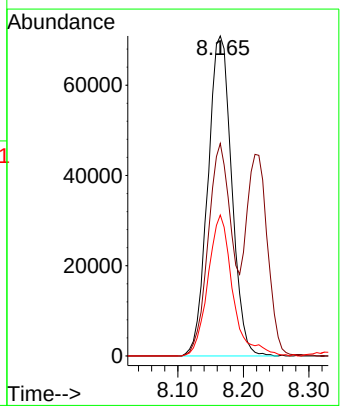


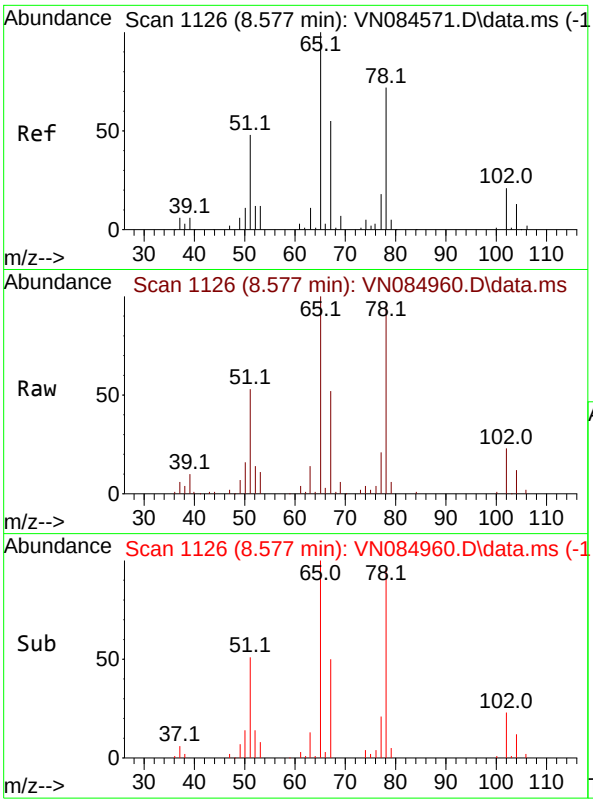


#32
1,1,1-Trichloroethane
Concen: 53.137 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 97 Resp: 178940

Ion	Ratio	Lower	Upper
97	100		
99	66.2	51.2	76.8
61	45.7	37.5	56.3



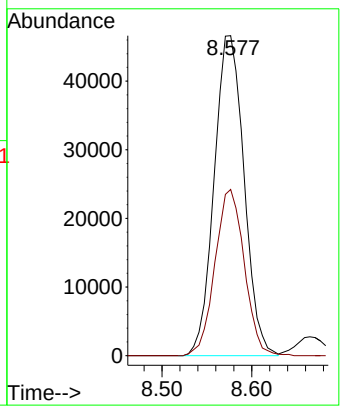


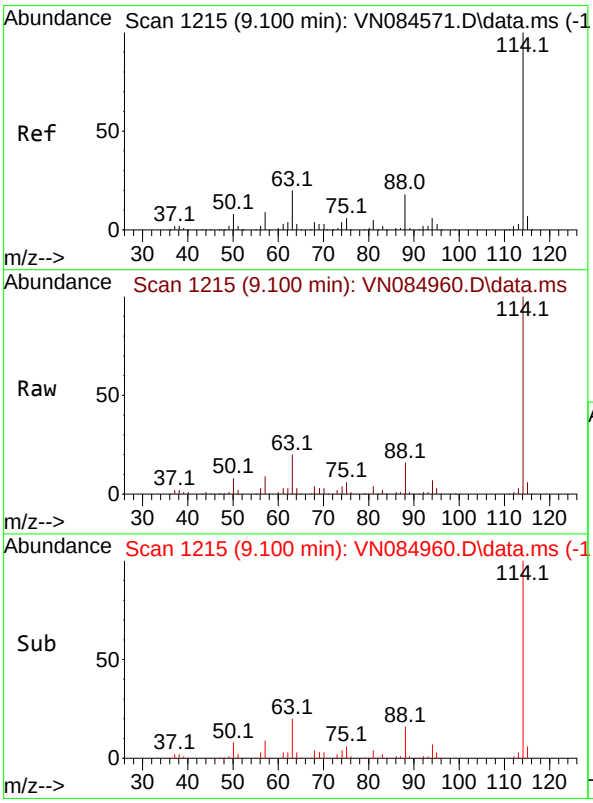
#33
1,2-Dichloroethane-d4
Concen: 45.219 ug/l
RT: 8.577 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 107759

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	102.0

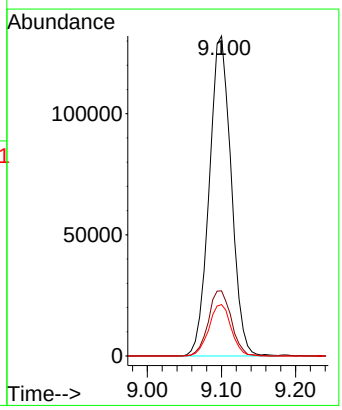


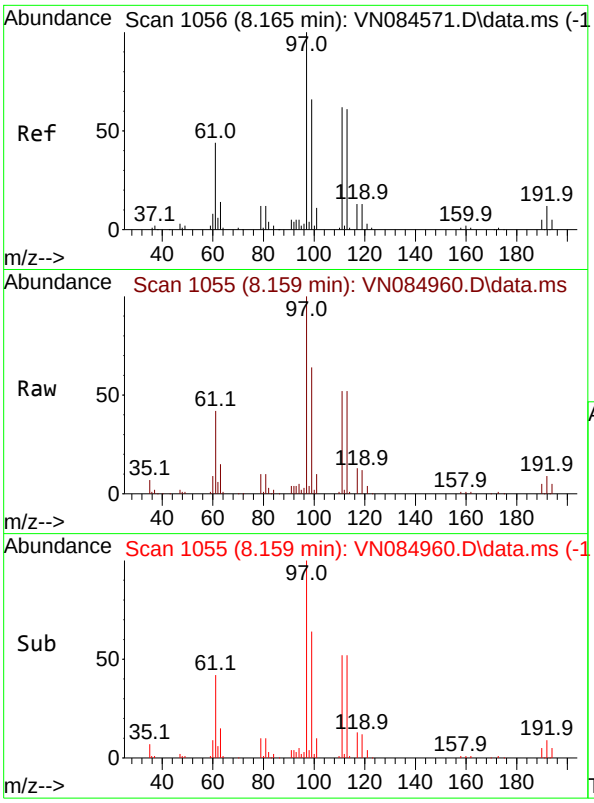


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:114 Resp: 271316

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	43.8
88	16.1	0.0	31.6



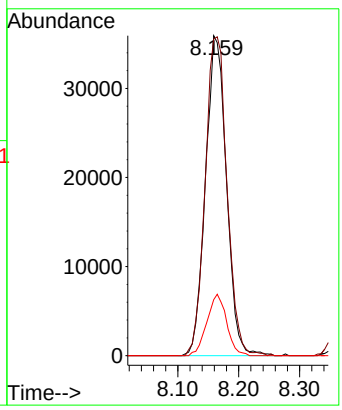


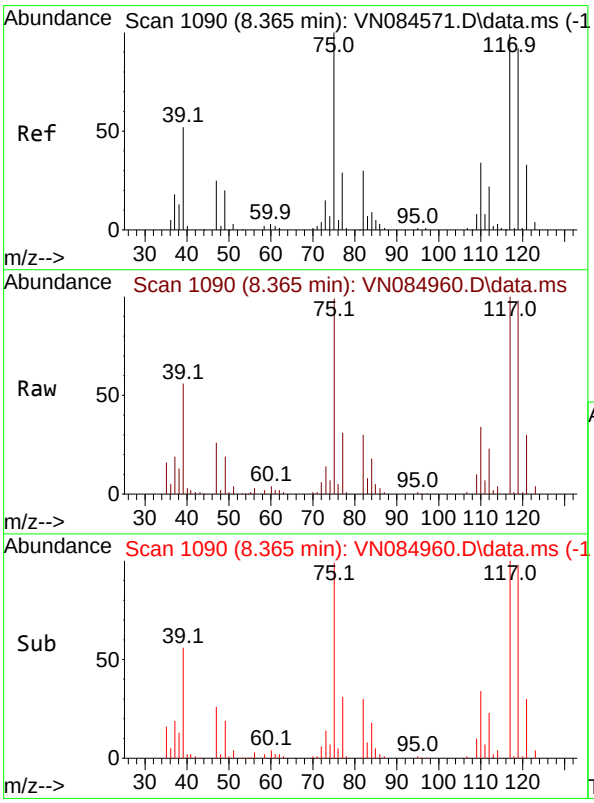
#35
Dibromofluoromethane
Concen: 46.769 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 85890

Ion	Ratio	Lower	Upper
113	100		
111	103.7	83.3	124.9
192	18.1	13.5	20.3

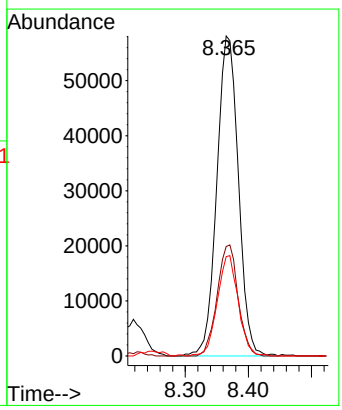


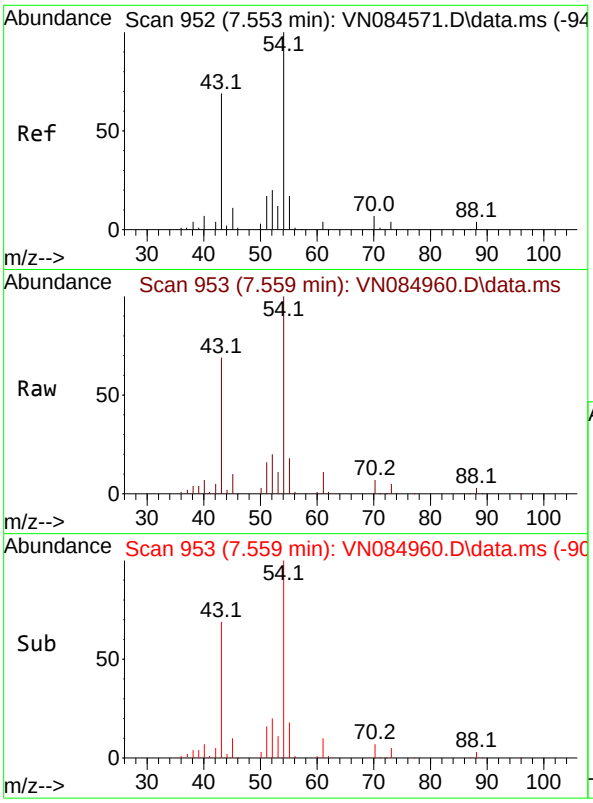


#36
1,1-Dichloropropene
Concen: 54.113 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 75 Resp: 137824

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.7
77	30.5	24.7	37.1



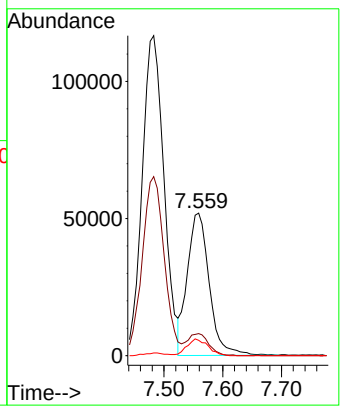


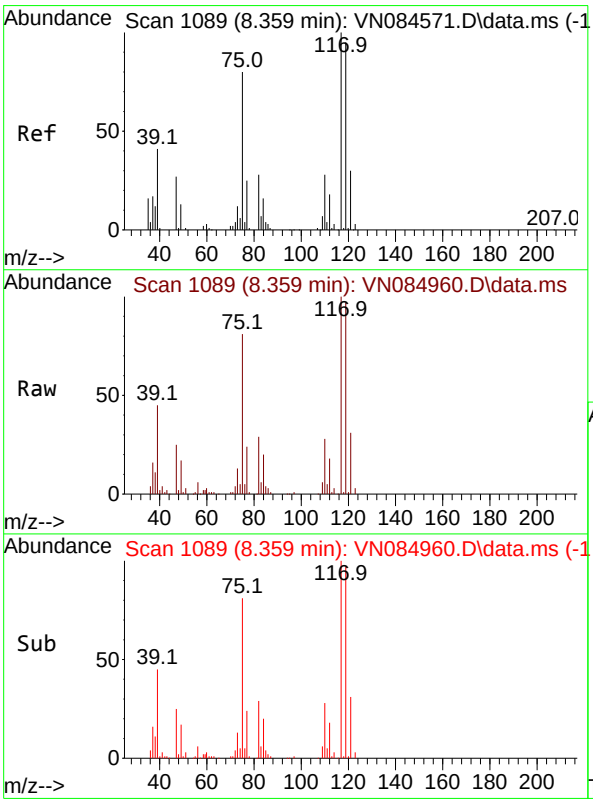
#37
Ethyl Acetate
Concen: 58.292 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 134705

Ion	Ratio	Lower	Upper
43	100		
61	15.2	10.7	16.1
70	11.2	8.8	13.2

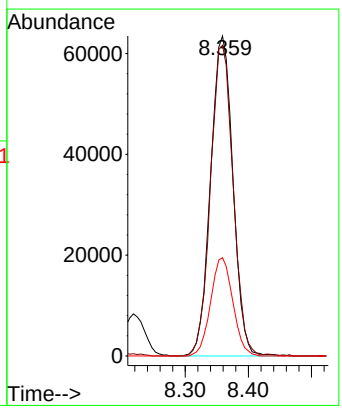


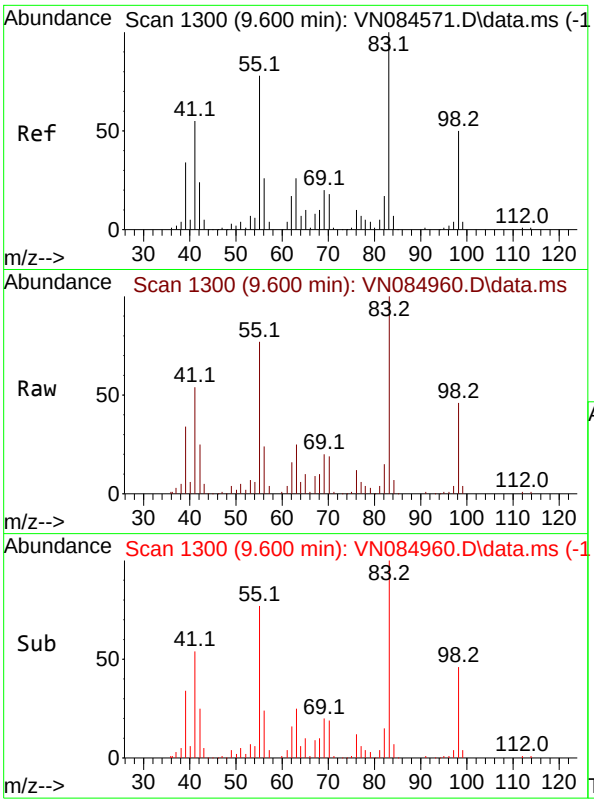


#38
Carbon Tetrachloride
Concen: 54.908 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:117 Resp: 156315

Ion	Ratio	Lower	Upper
117	100		
119	97.1	78.7	118.1
121	30.7	24.4	36.6



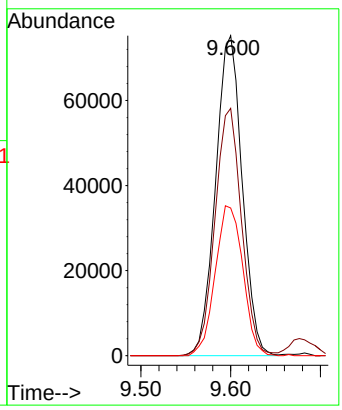


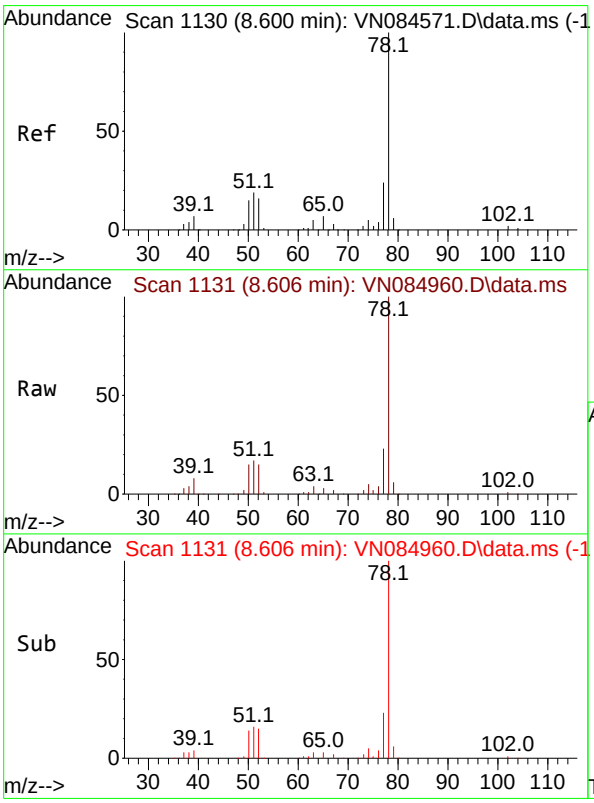
#39
Methylcyclohexane
Concen: 59.777 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 154889

Ion	Ratio	Lower	Upper
83	100		
55	77.3	62.8	94.2
98	46.1	38.8	58.2

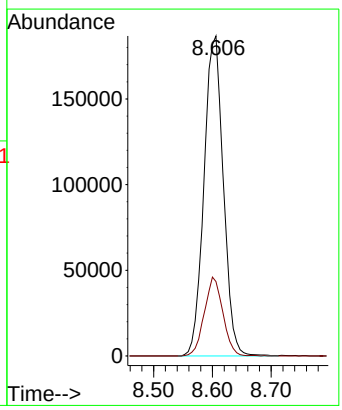


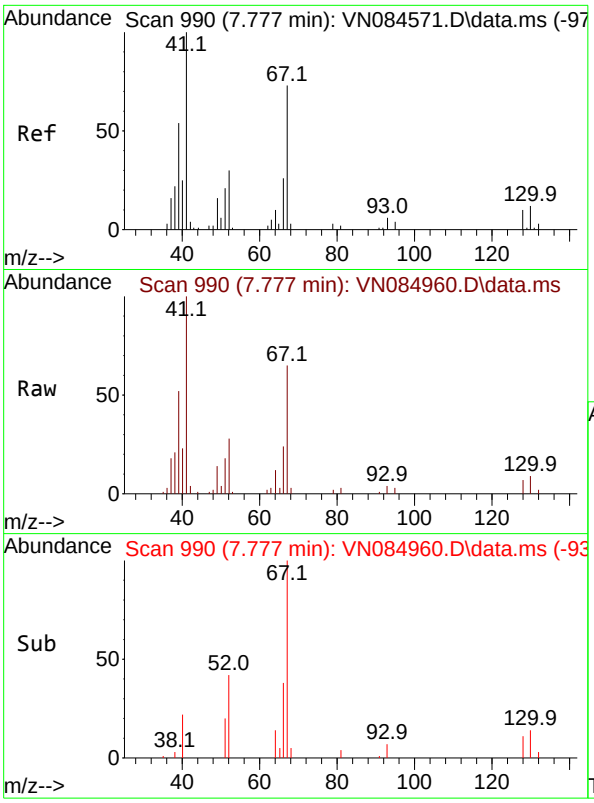


#40
Benzene
Concen: 52.170 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 78 Resp: 426723

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.1	28.7



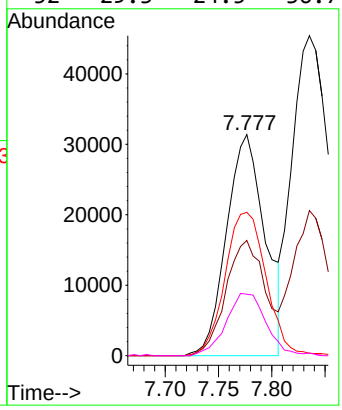


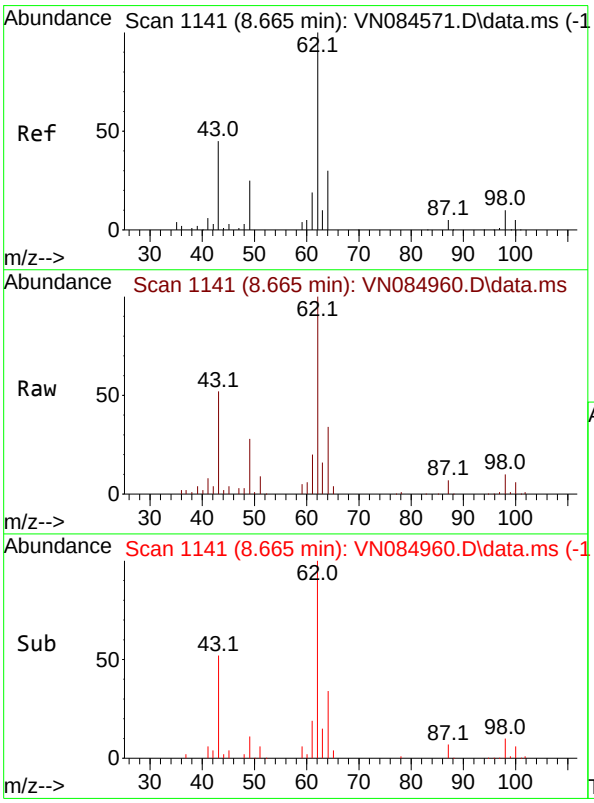
#41
Methacrylonitrile
Concen: 63.513 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 78926

Ion	Ratio	Lower	Upper
41	100		
39	53.6	43.3	64.9
67	69.3	56.1	84.1
52	29.3	24.5	36.7

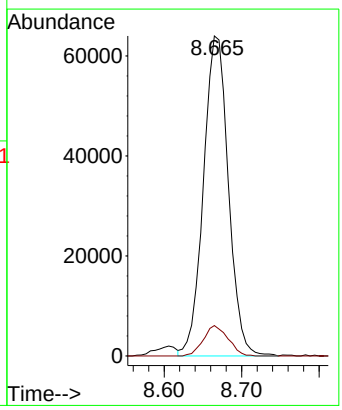


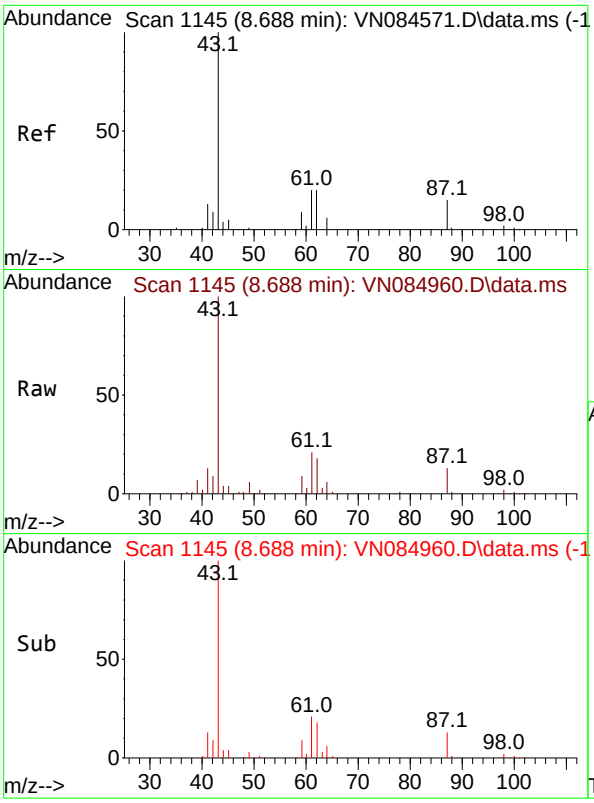


#42
1,2-Dichloroethane
Concen: 54.090 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 62 Resp: 143286

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.2



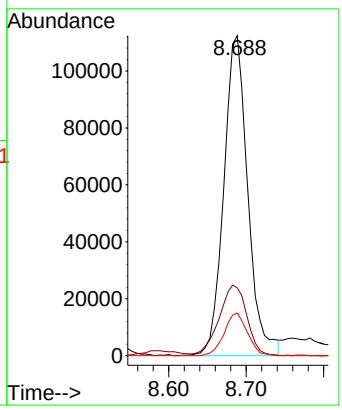


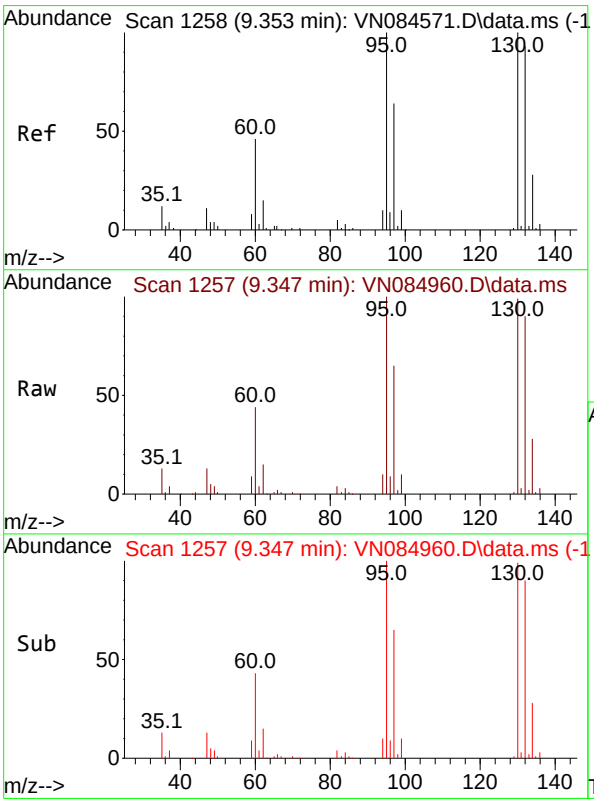
#43
Isopropyl Acetate
Concen: 56.930 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 242469

Ion	Ratio	Lower	Upper
43	100		
61	25.5	20.4	30.6
87	12.9	10.3	15.5

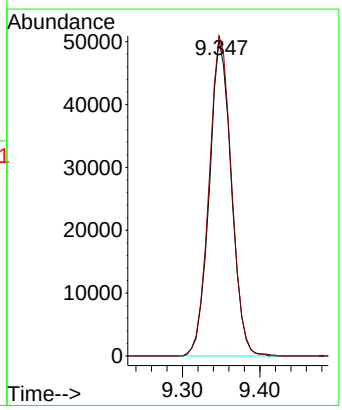


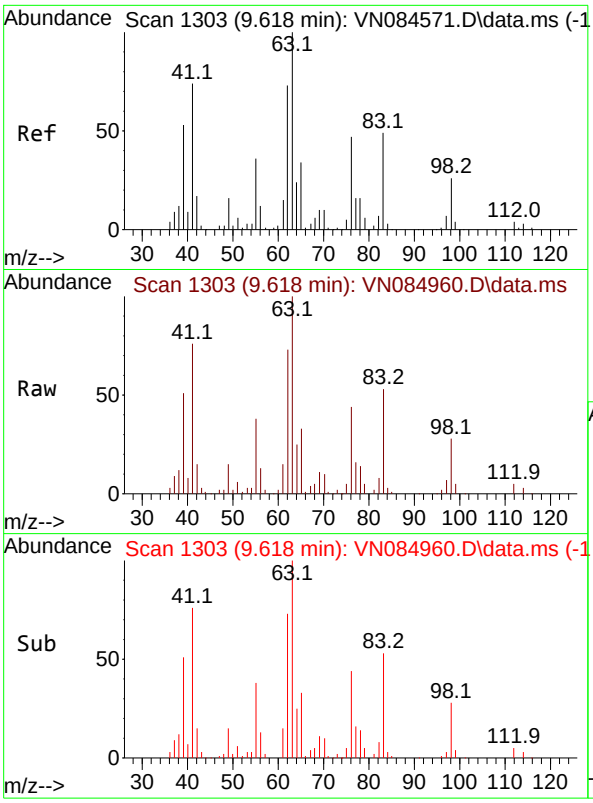


#44
Trichloroethene
Concen: 52.511 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:130 Resp: 99056

Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	203.0



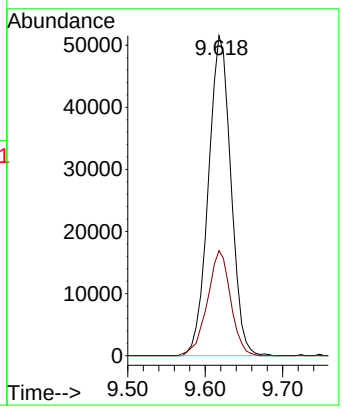


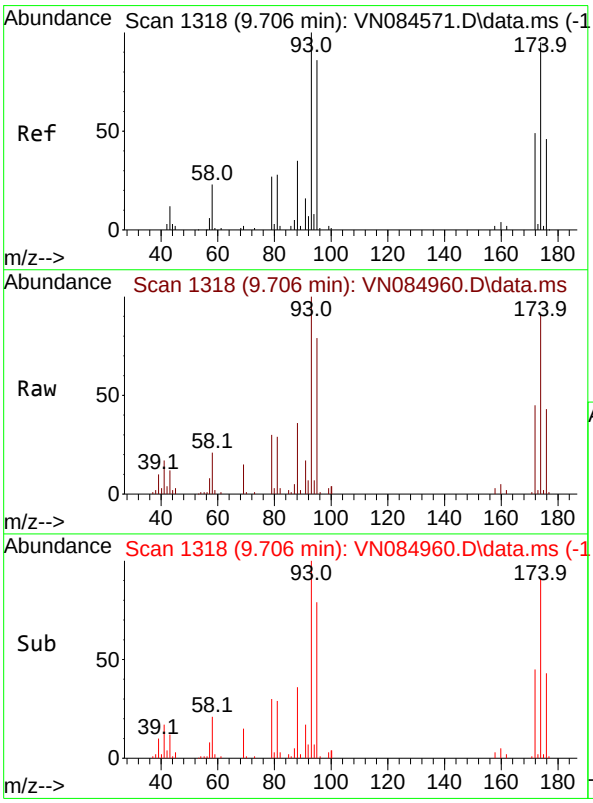
#45
1,2-Dichloropropane
Concen: 54.331 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 104248

Ion	Ratio	Lower	Upper
63	100		
65	32.9	24.6	37.0

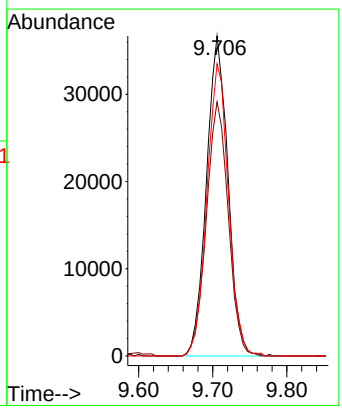


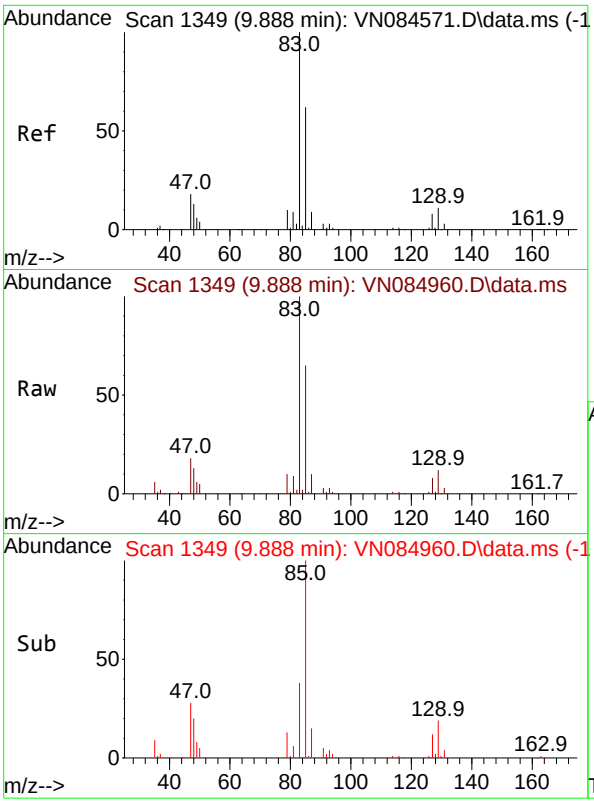


#46
Dibromomethane
Concen: 54.624 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 93 Resp: 73957

Ion	Ratio	Lower	Upper
93	100		
95	80.8	65.0	97.4
174	91.4	71.8	107.8



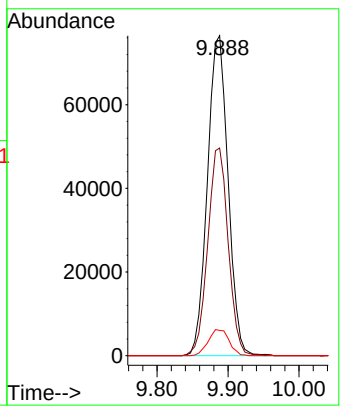


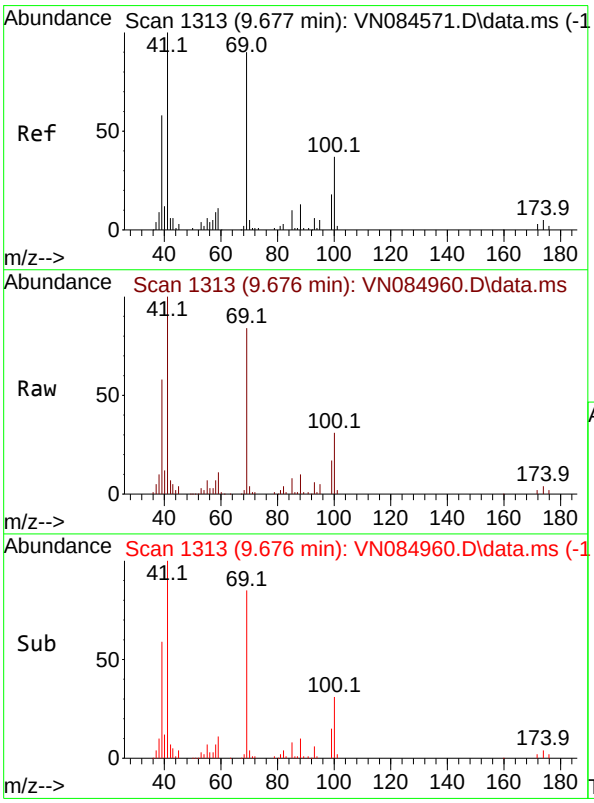
#47
Bromodichloromethane
Concen: 54.053 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 154269

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.5	77.3
127	7.9	5.7	8.5

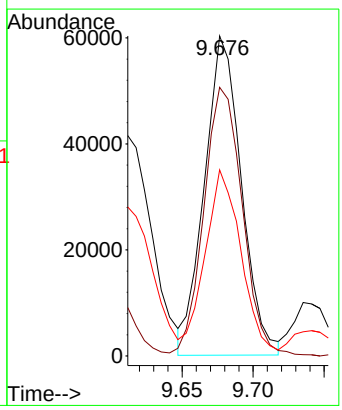


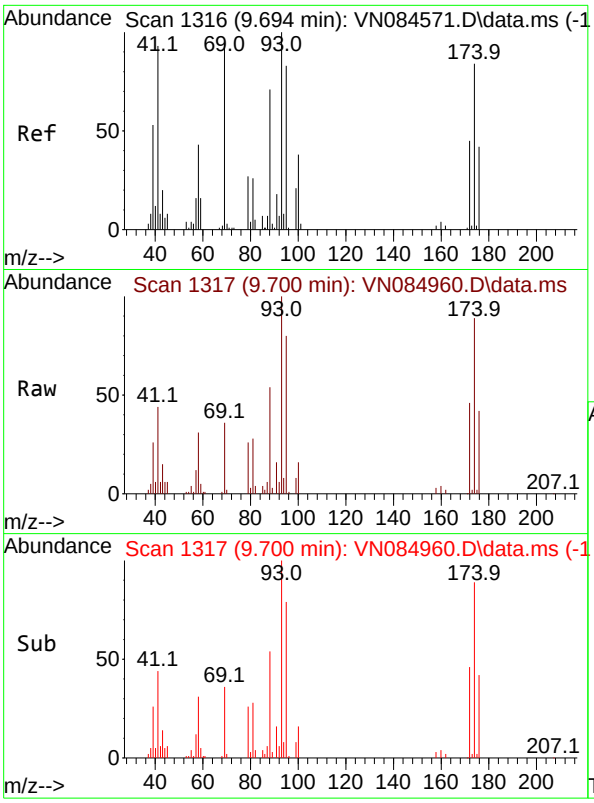


#48
Methyl methacrylate
Concen: 60.645 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 41 Resp: 109069

Ion	Ratio	Lower	Upper
41	100		
69	87.6	67.1	100.7
39	57.6	45.8	68.6



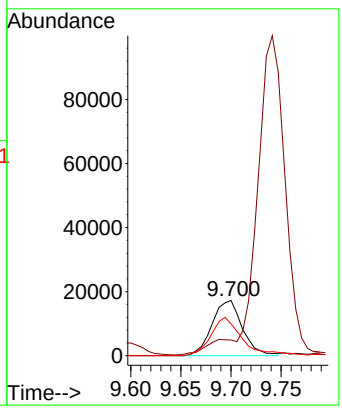


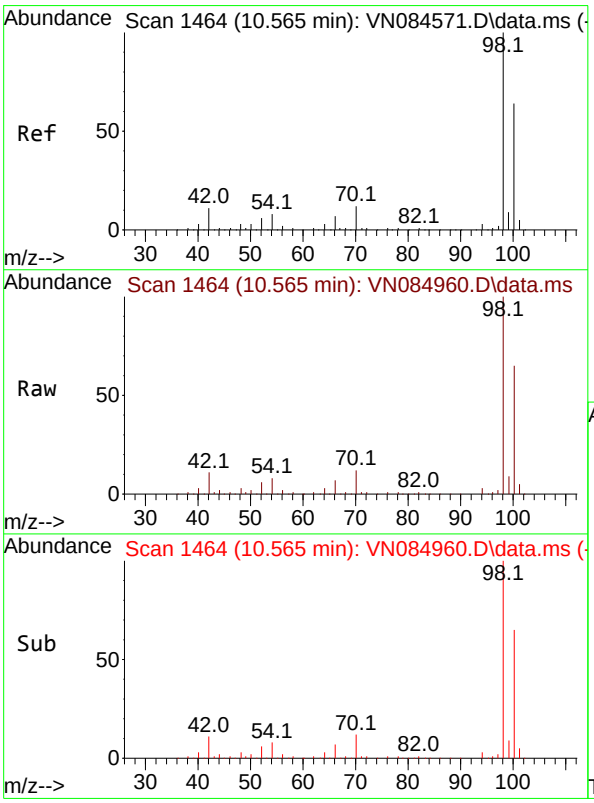
#49
1,4-Dioxane
Concen: 1139.408 ug/l
RT: 9.700 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 36313

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	72.1	56.4	84.6

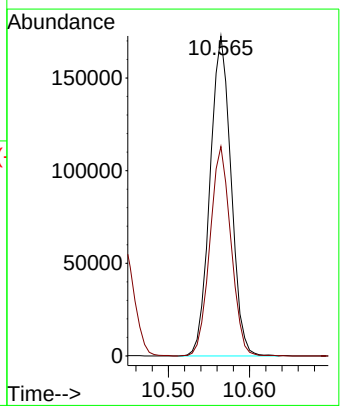


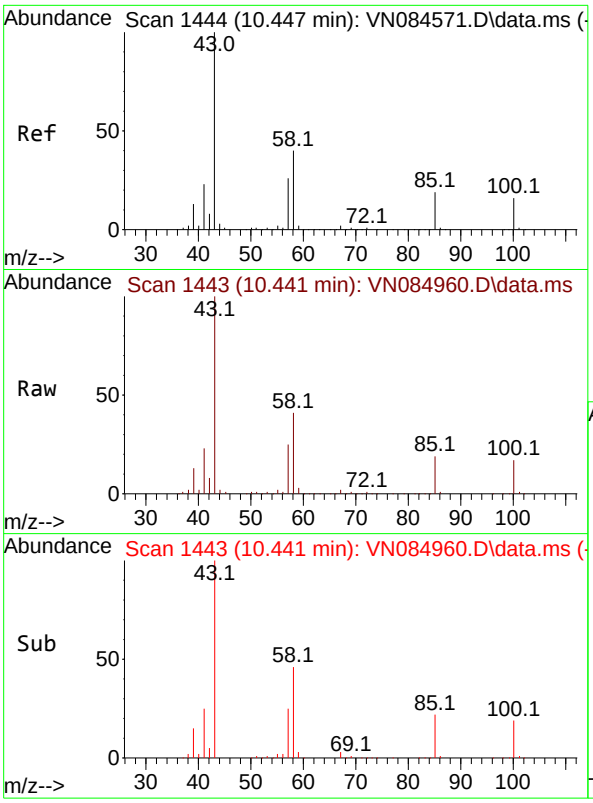


#50
Toluene-d8
Concen: 45.930 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 98 Resp: 310714

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.7	79.1



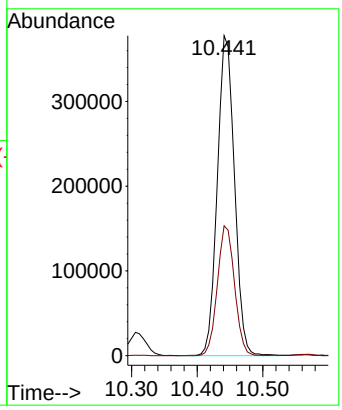


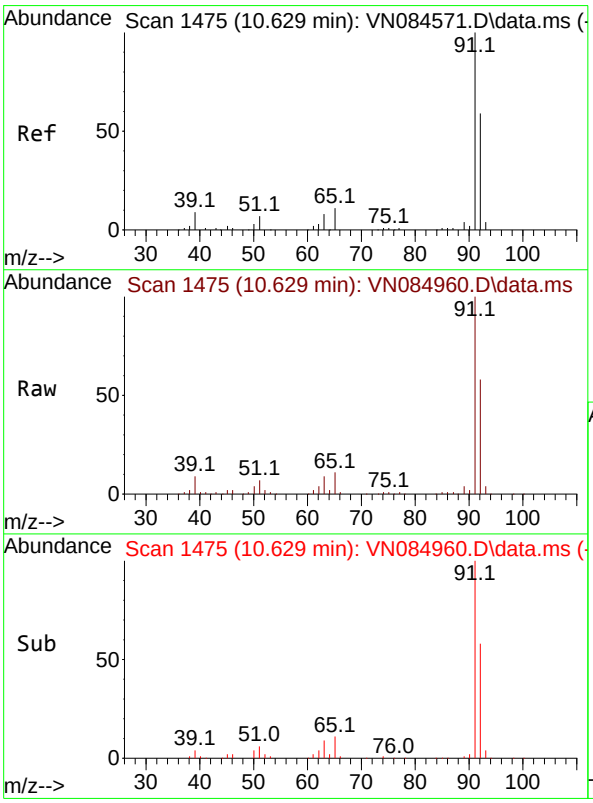
#51
4-Methyl-2-Pentanone
Concen: 310.450 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 683902

Ion	Ratio	Lower	Upper
43	100		
58	40.7	31.6	47.4

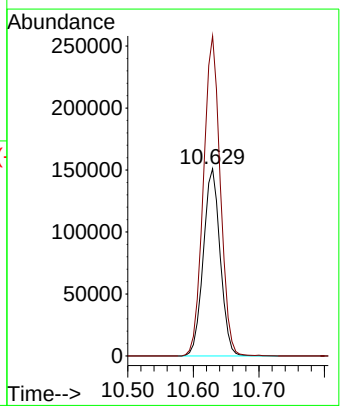


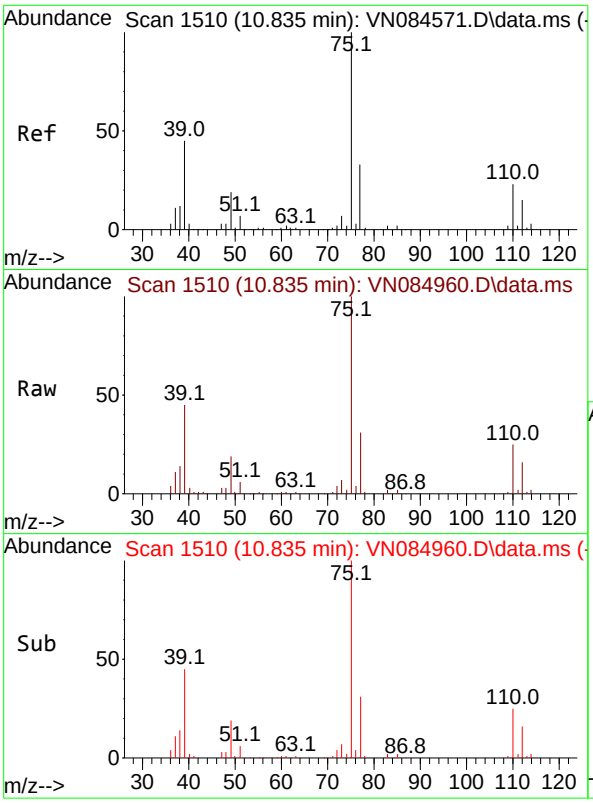


#52
Toluene
Concen: 56.456 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 92 Resp: 270072

Ion	Ratio	Lower	Upper
92	100		
91	171.2	137.3	205.9



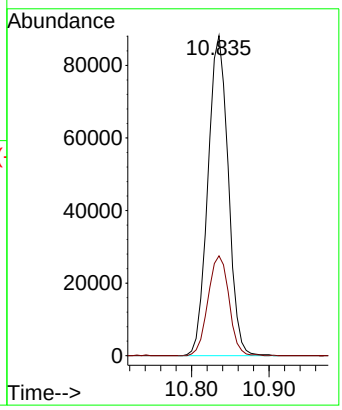


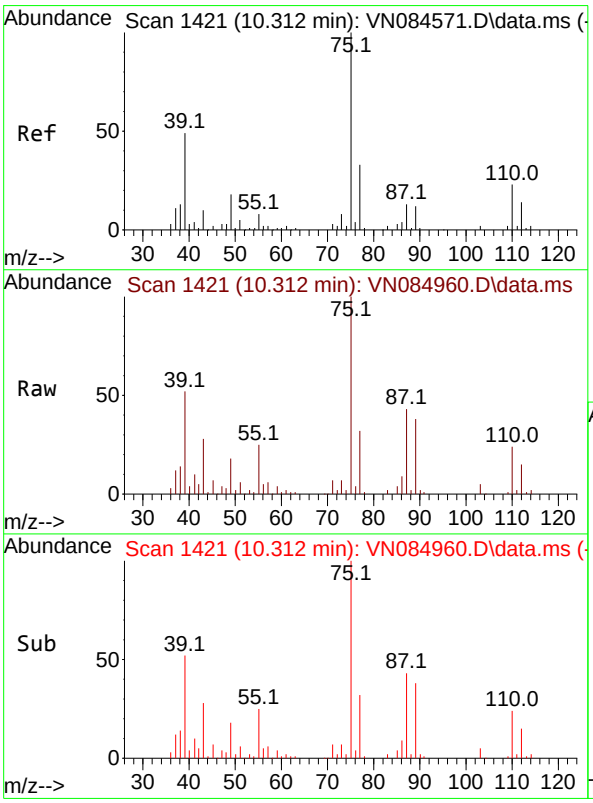
#53
t-1,3-Dichloropropene
Concen: 54.366 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 160608

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.0

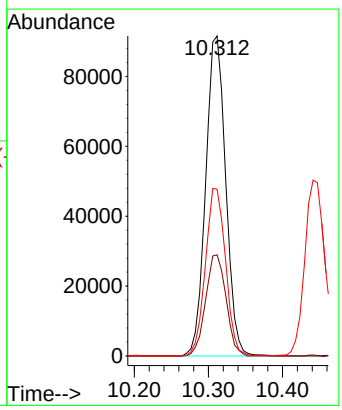


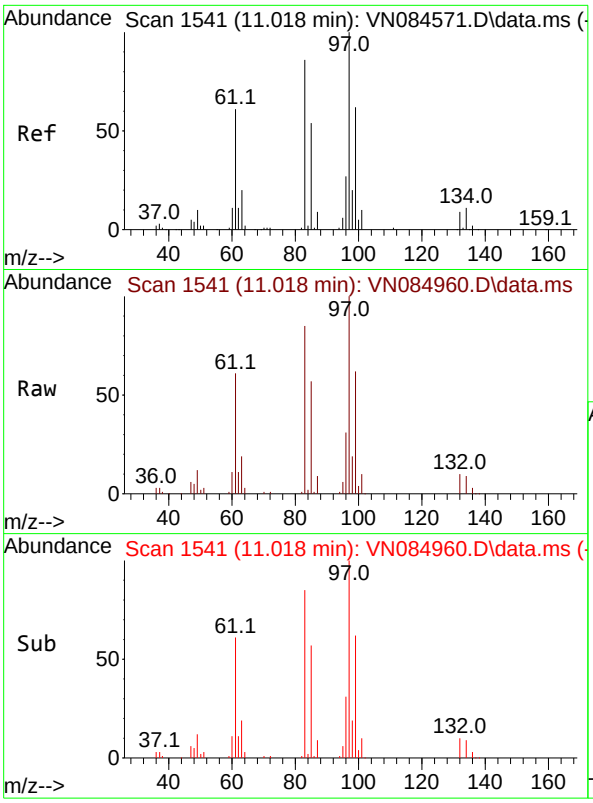


#54
cis-1,3-Dichloropropene
Concen: 55.045 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 75 Resp: 172110

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.2	36.2
39	52.1	38.7	58.1



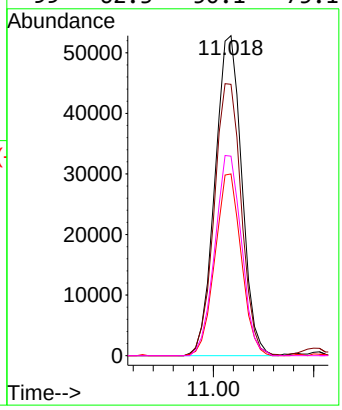


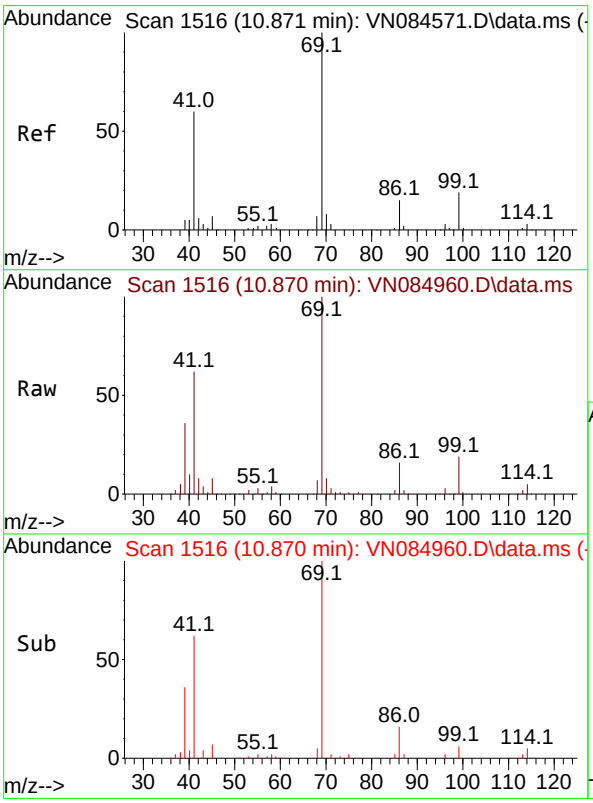
#55
1,1,2-Trichloroethane
Concen: 54.394 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 98018

Ion	Ratio	Lower	Upper
97	100		
83	84.8	71.0	106.4
85	56.8	41.7	62.5
99	62.3	50.1	75.1

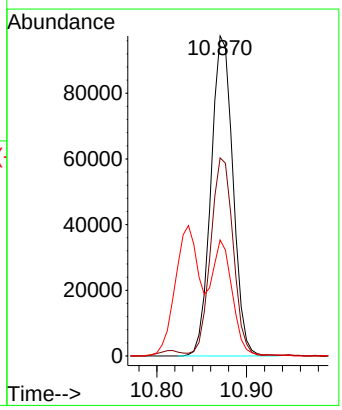


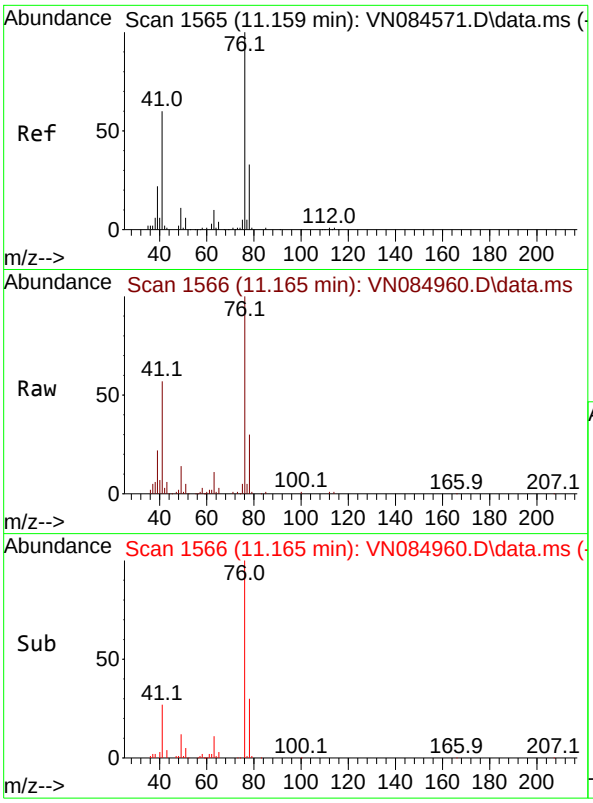


#56
Ethyl methacrylate
Concen: 63.590 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 69 Resp: 165749

Ion	Ratio	Lower	Upper
69	100		
41	63.0	53.3	79.9
39	34.4	28.8	43.2



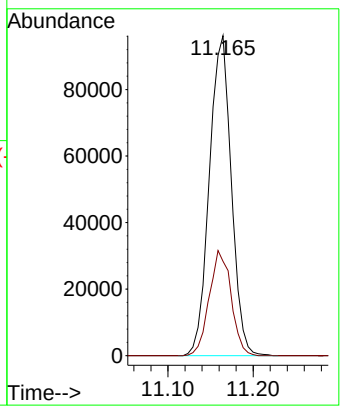


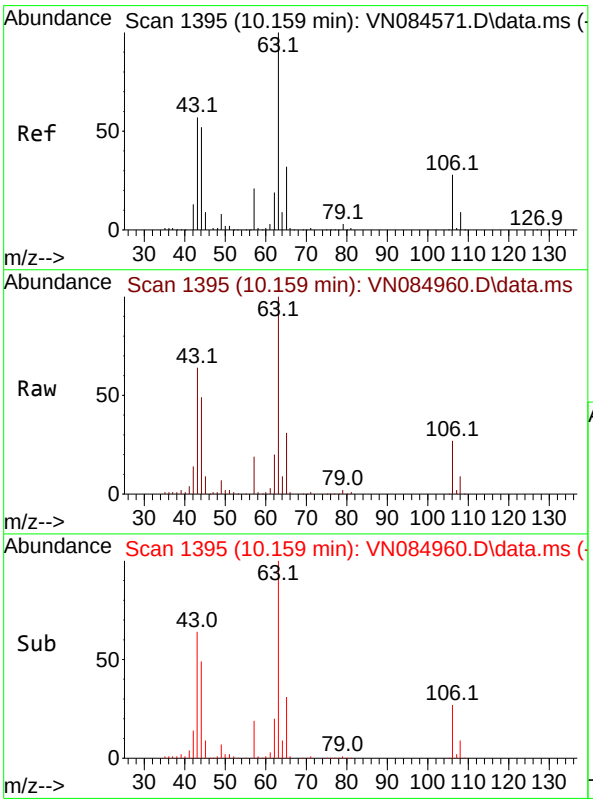
#57
1,3-Dichloropropane
Concen: 55.619 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 172010

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.6

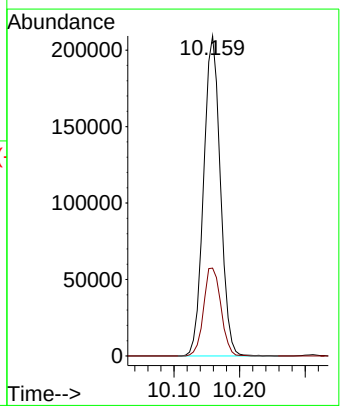


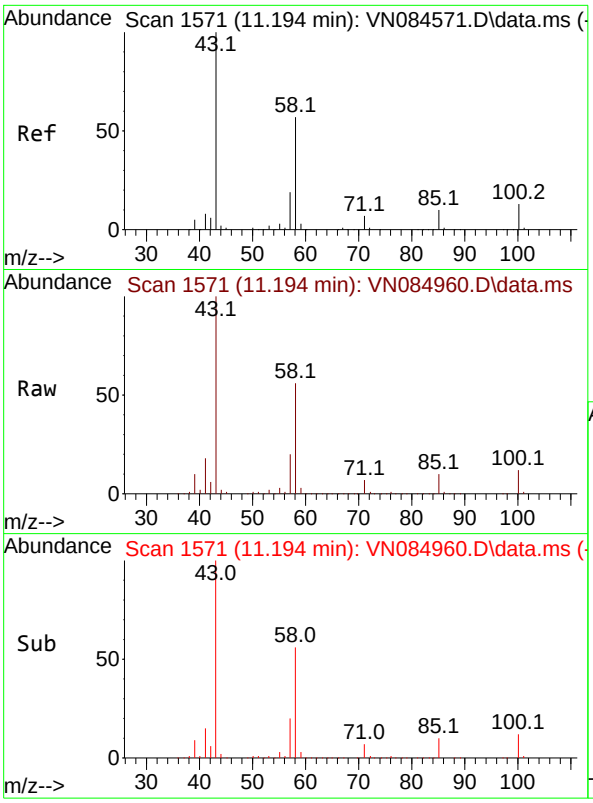


#58
2-Chloroethyl Vinyl ether
Concen: 304.461 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 63 Resp: 371343

Ion	Ratio	Lower	Upper
63	100		
106	28.5	21.8	32.6



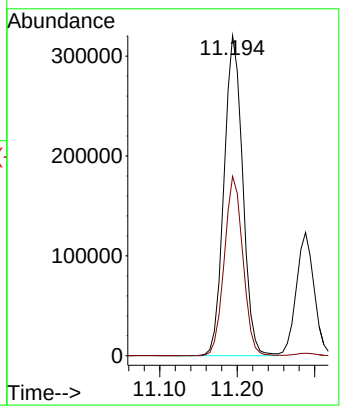


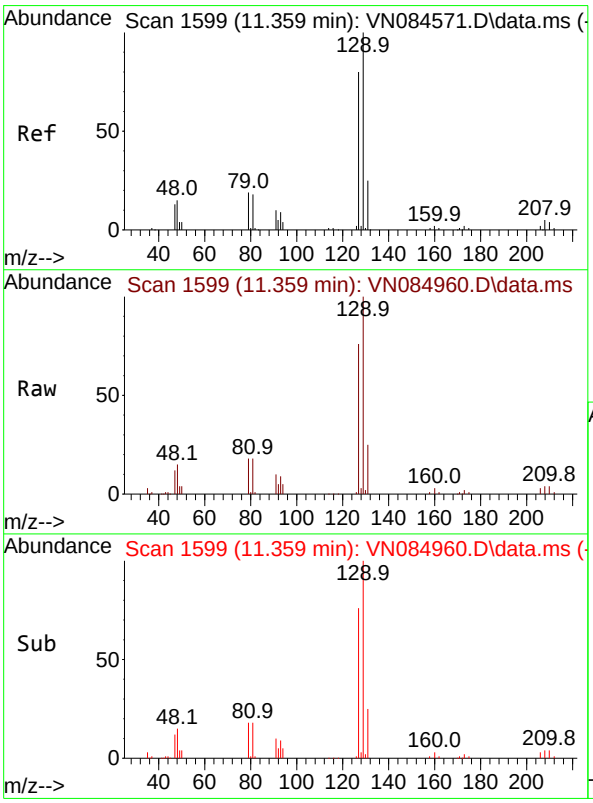
#59
2-Hexanone
Concen: 334.603 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 536530

Ion	Ratio	Lower	Upper
43	100		
58	55.8	27.3	81.8

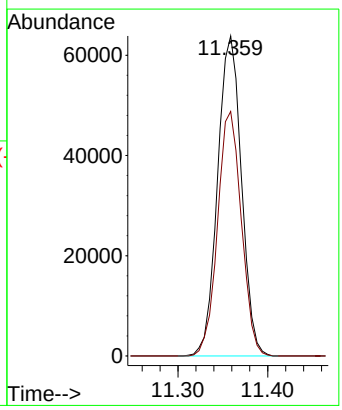


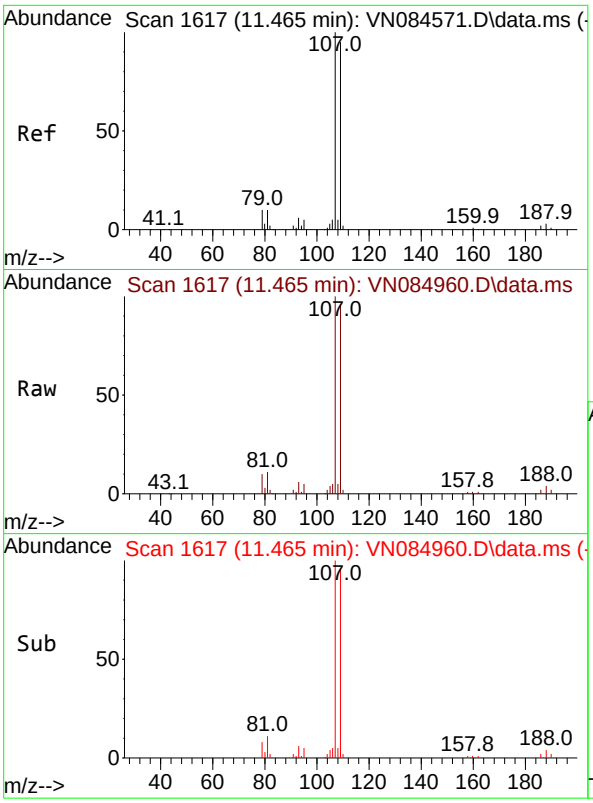


#60
Dibromochloromethane
Concen: 57.305 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:129 Resp: 117689

Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.3	114.9



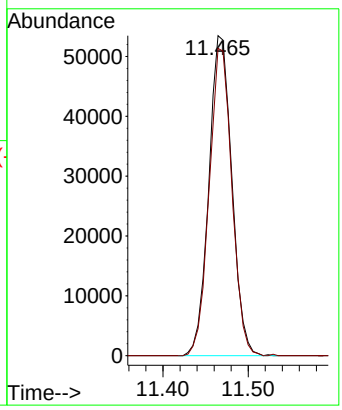


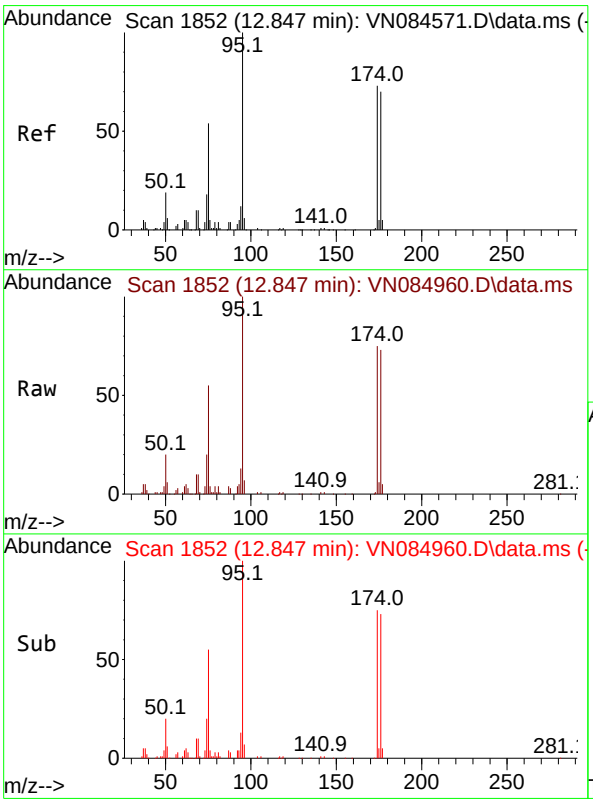
#61
1,2-Dibromoethane
Concen: 54.368 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 100326

Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.4	113.0

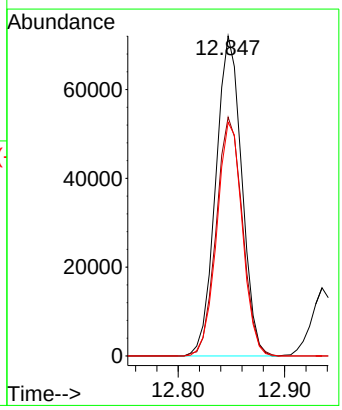


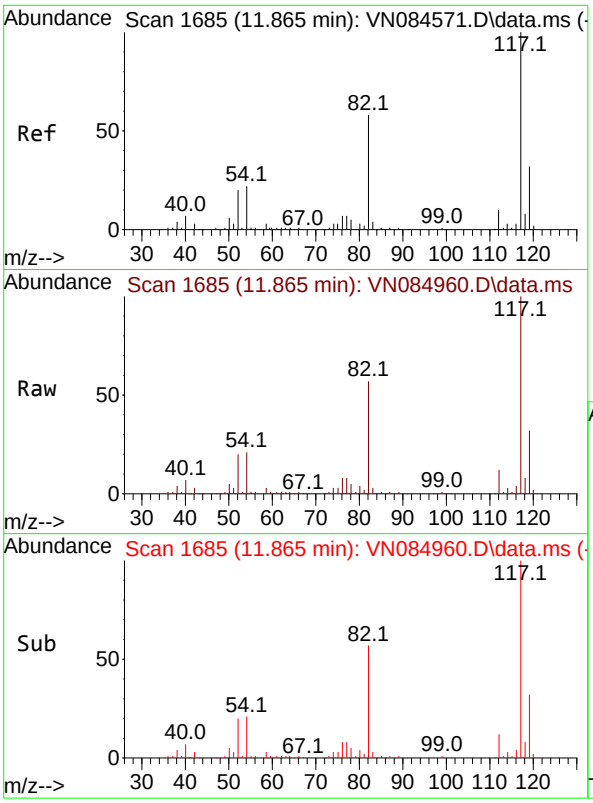


#62
4-Bromofluorobenzene
Concen: 48.235 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 95 Resp: 121953

Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	145.2
176	71.6	0.0	140.0



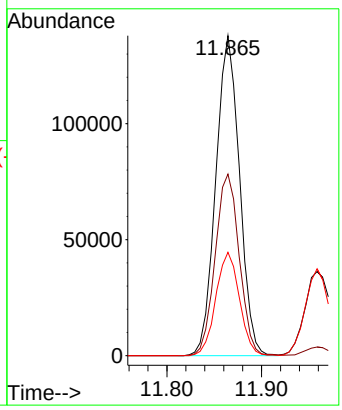


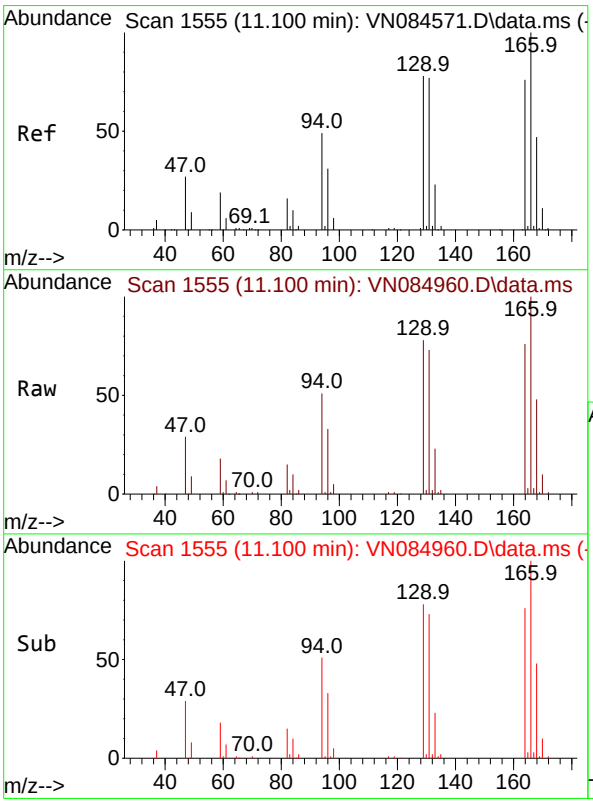
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 240365

Ion	Ratio	Lower	Upper
117	100		
82	56.8	47.2	70.8
119	32.3	25.4	38.0

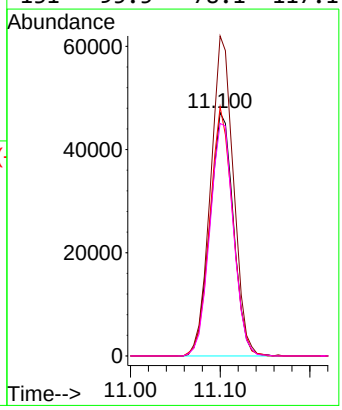


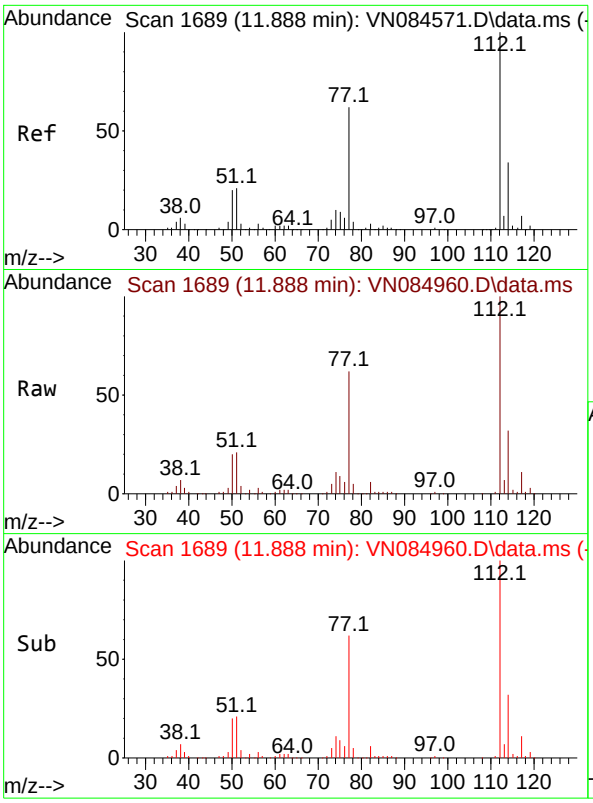


#64
Tetrachloroethene
Concen: 53.532 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:164 Resp: 85588

Ion	Ratio	Lower	Upper
164	100		
166	131.5	101.0	151.4
129	102.4	80.8	121.2
131	95.5	78.1	117.1



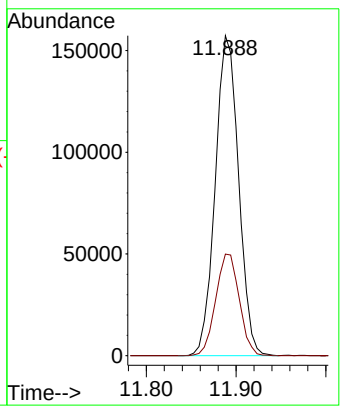


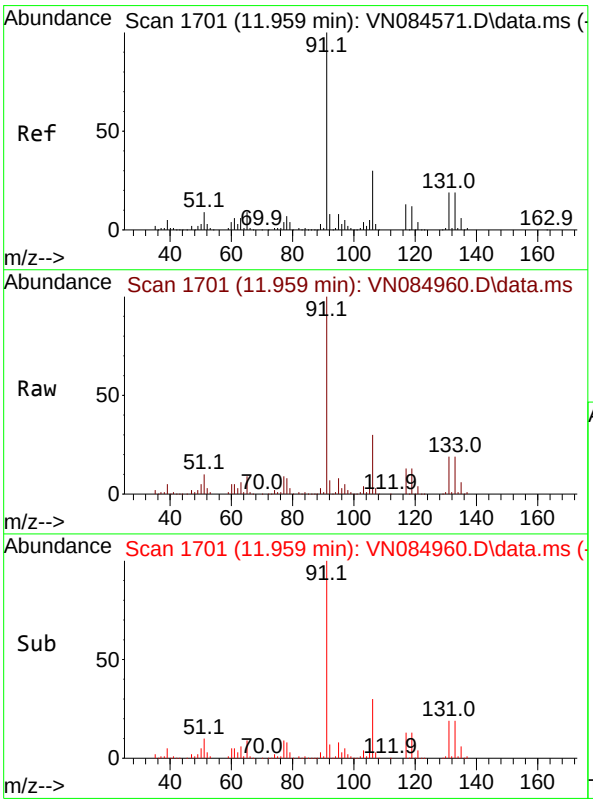
#65
Chlorobenzene
Concen: 52.828 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 284076

Ion	Ratio	Lower	Upper
112	100		
114	31.8	27.0	40.6

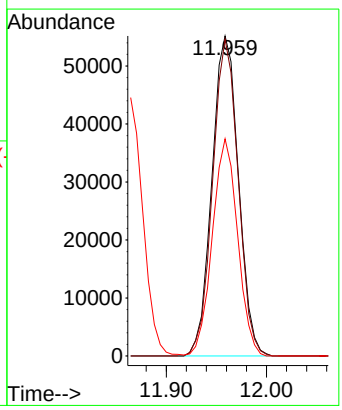


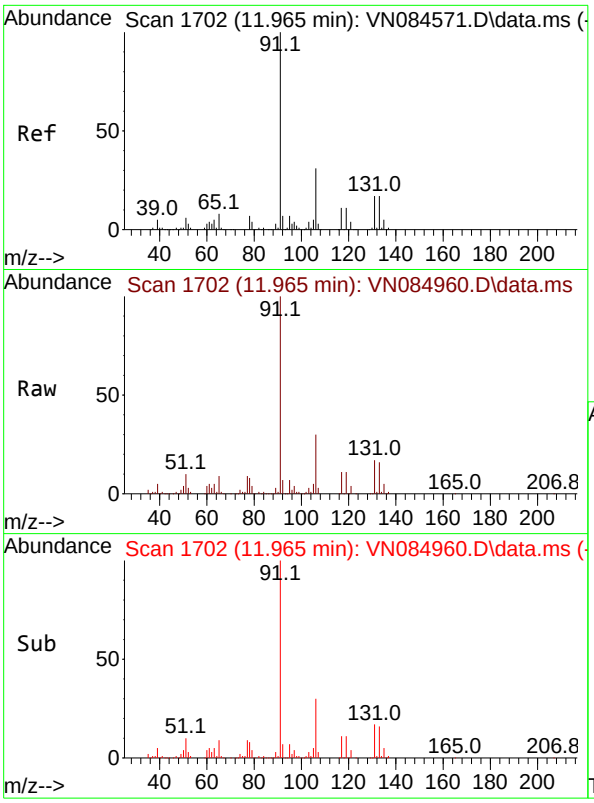


#66
1,1,1,2-Tetrachloroethane
Concen: 54.146 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:131 Resp: 101276

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.9	143.7
119	64.7	32.8	98.3



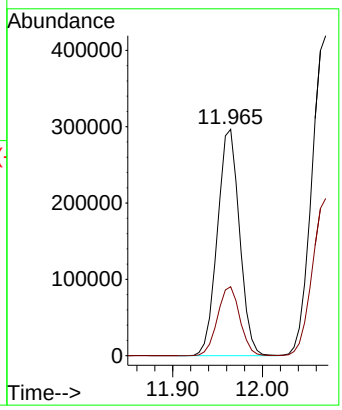


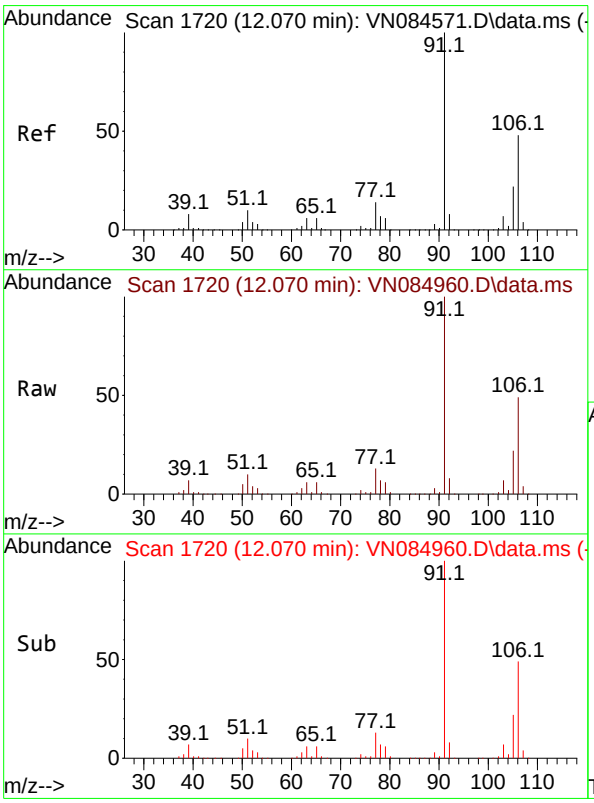
#67
Ethyl Benzene
Concen: 56.556 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 507651

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.5	36.7

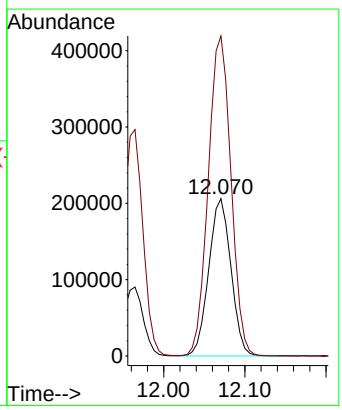


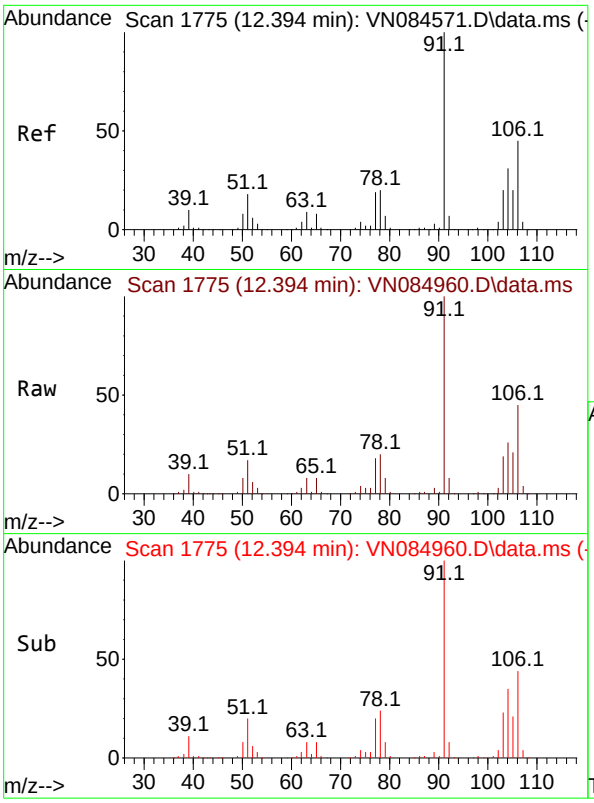


#68
m/p-Xylenes
Concen: 115.337 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:106 Resp: 391940

Ion	Ratio	Lower	Upper
106	100		
91	208.3	167.1	250.7



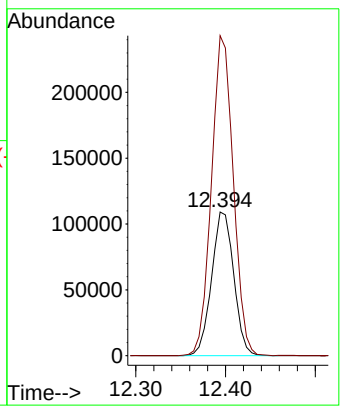


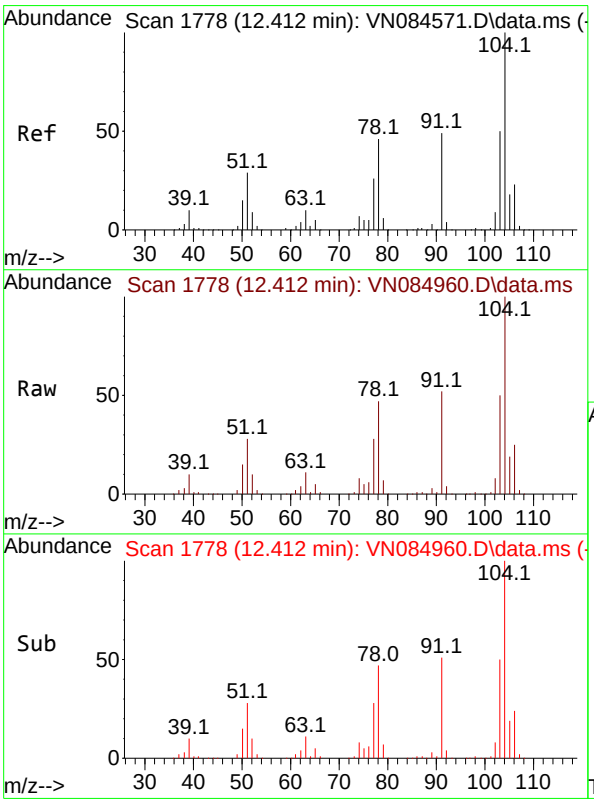
#69
o-Xylene
Concen: 58.928 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 187331

Ion	Ratio	Lower	Upper
106	100		
91	219.3	110.2	330.6

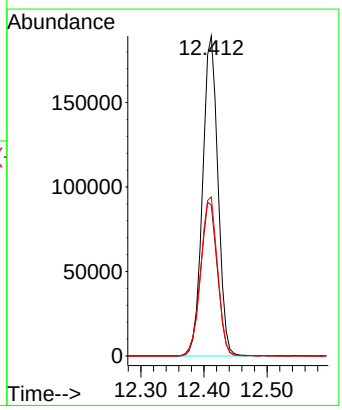


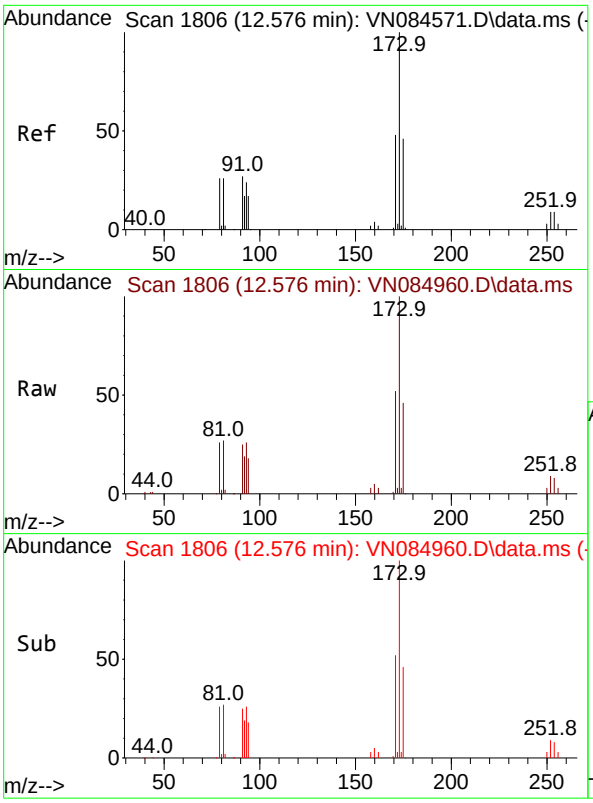


#70
Styrene
Concen: 57.589 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:104 Resp: 319362

Ion	Ratio	Lower	Upper
104	100		
78	53.0	42.7	64.1
103	54.3	43.6	65.4



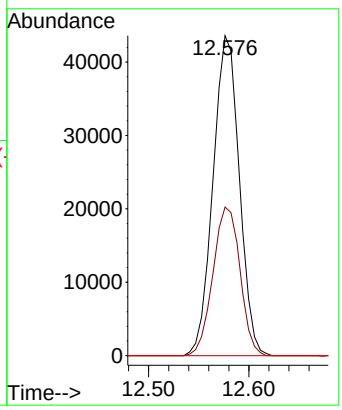


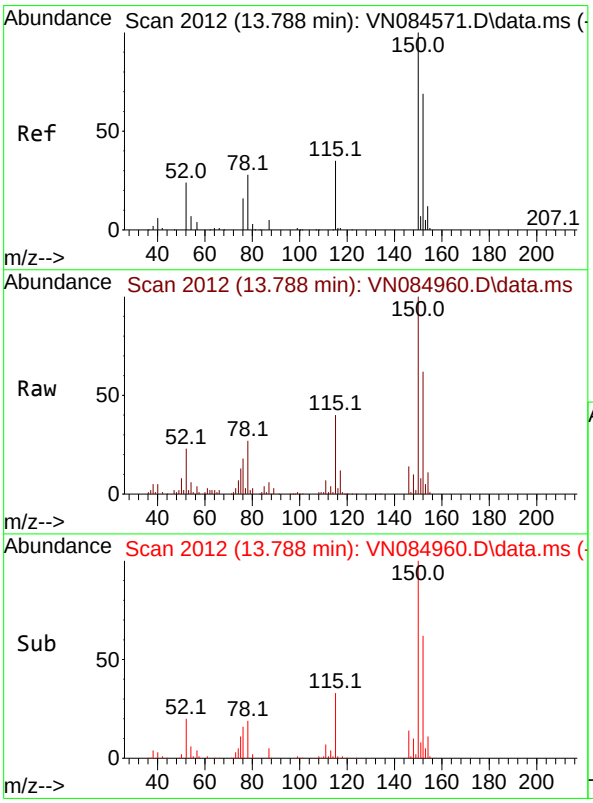
#71
Bromoform
Concen: 56.375 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 79345

Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.5	70.6
254	0.0	0.0	0.0

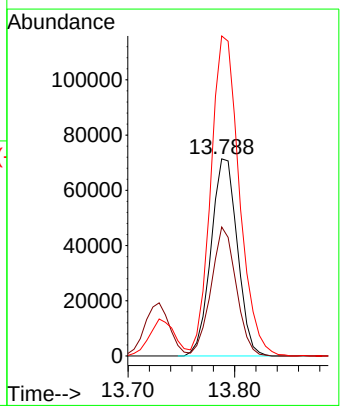


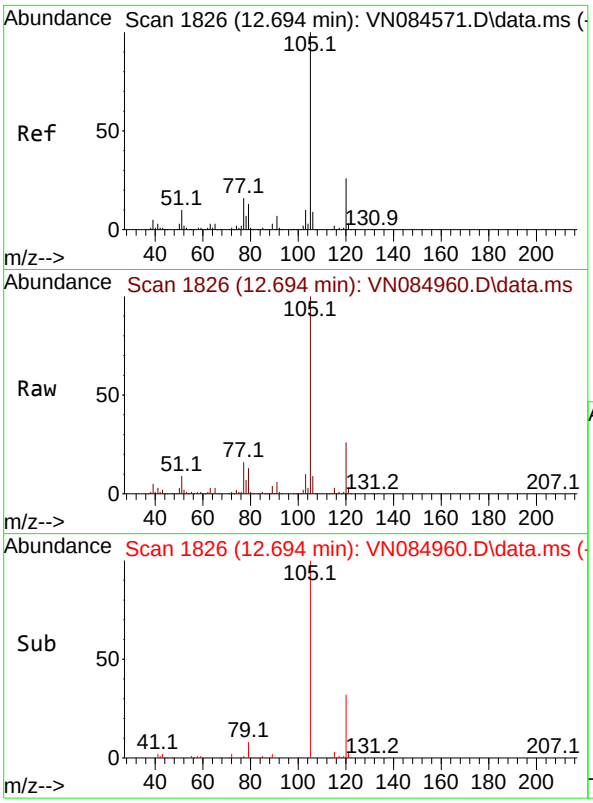


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:152 Resp: 122785

Ion	Ratio	Lower	Upper
152	100		
115	62.0	31.3	93.9
150	174.9	0.0	349.8



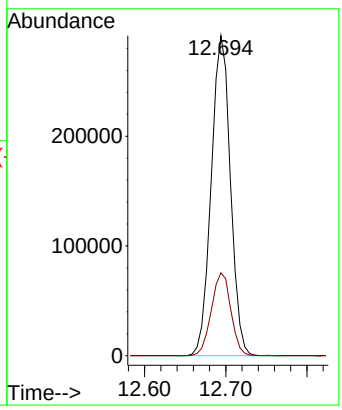


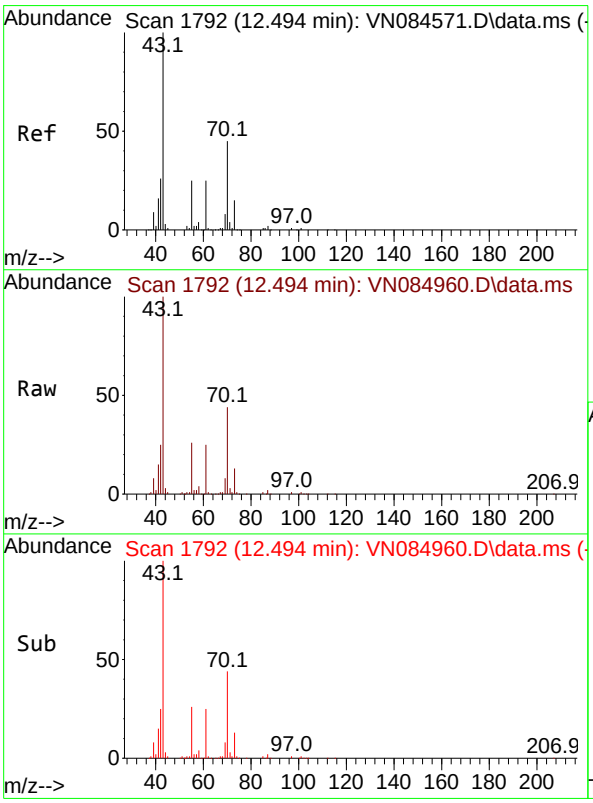
#73
Isopropylbenzene
Concen: 55.679 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 479086

Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.9	38.7

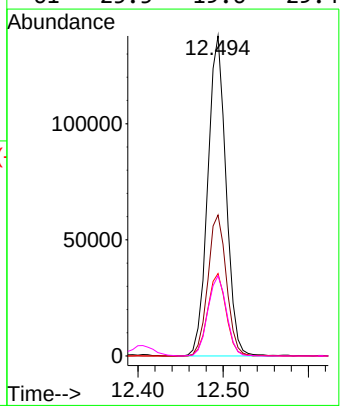


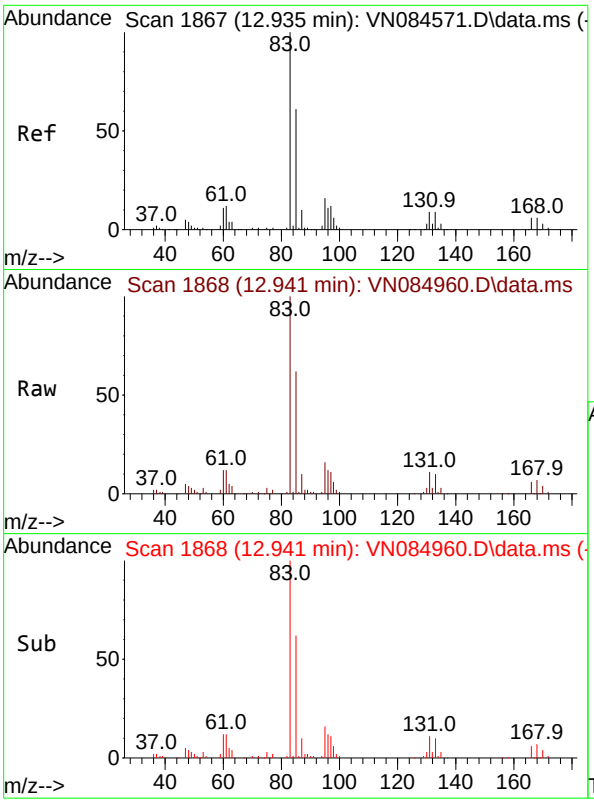


#74
N-amyl acetate
Concen: 56.065 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 43 Resp: 205323

Ion	Ratio	Lower	Upper
43	100		
70	44.8	34.4	51.6
55	25.9	19.6	29.4
61	25.5	19.6	29.4



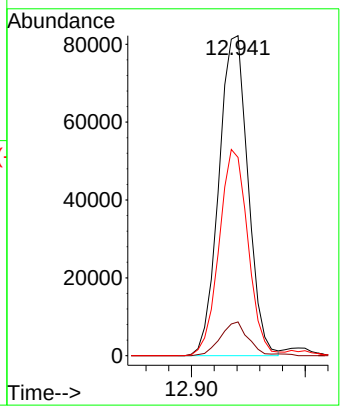


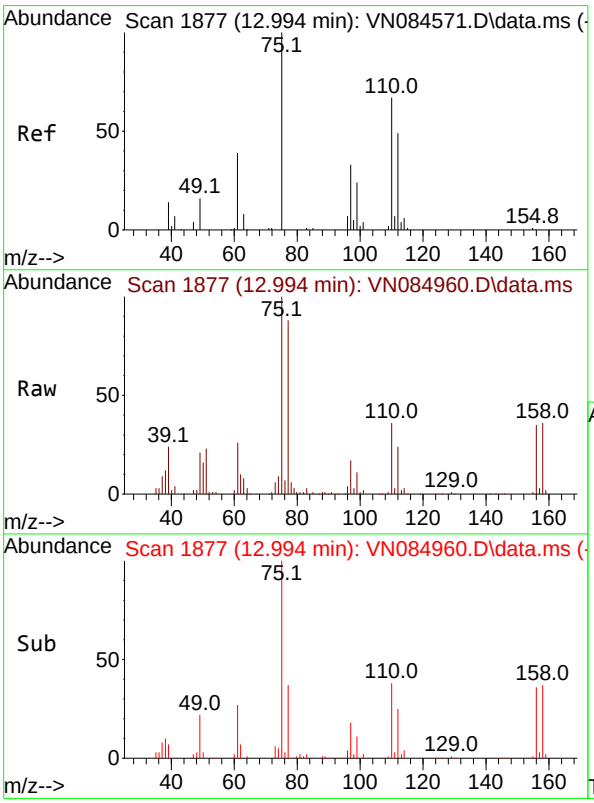
#75
1,1,2,2-Tetrachloroethane
Concen: 51.040 ug/l
RT: 12.941 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 146589

Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.9	14.7
85	64.0	31.9	95.7

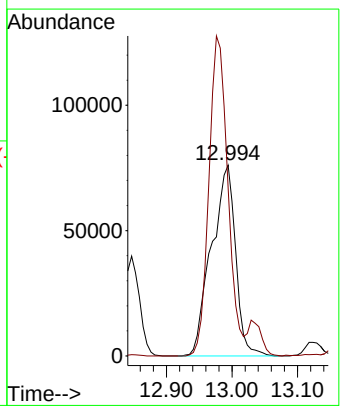


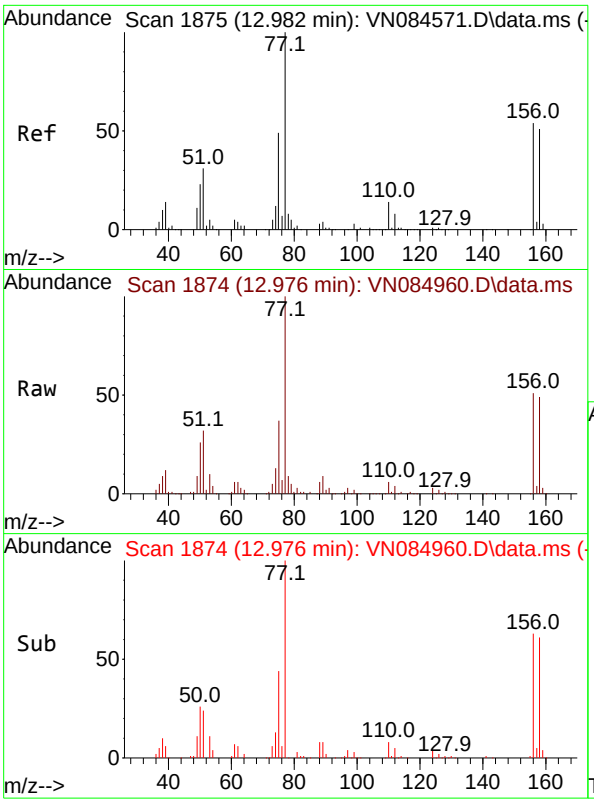


#76
1,2,3-Trichloropropane
Concen: 79.153 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 75 Resp: 194274

Ion	Ratio	Lower	Upper
75	100		
77	131.4	96.9	290.7



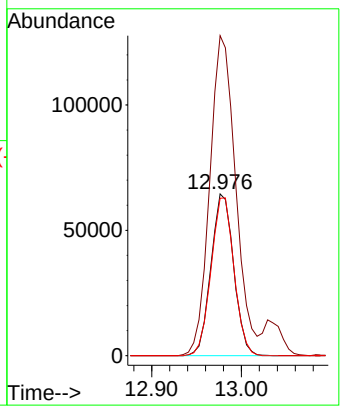


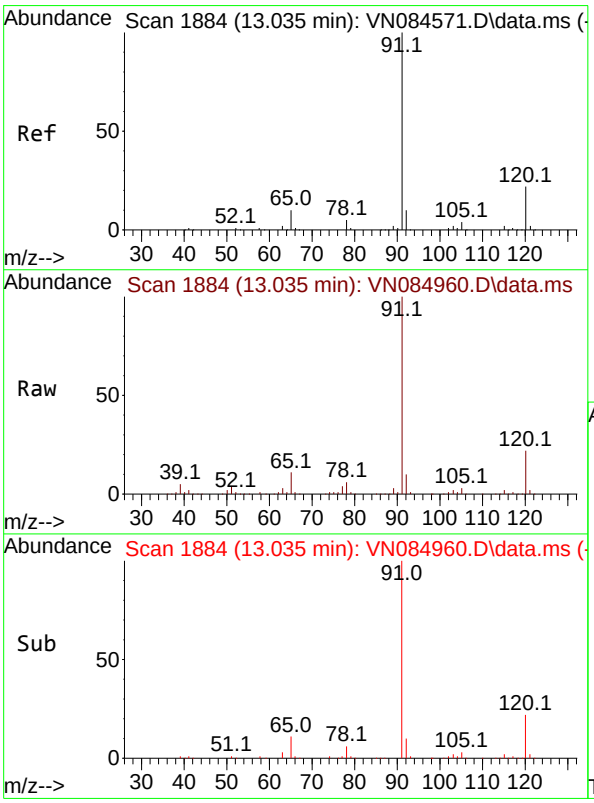
#77
Bromobenzene
Concen: 49.030 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 113414

Ion	Ratio	Lower	Upper
156	100		
77	225.1	115.1	345.3
158	98.6	48.9	146.8

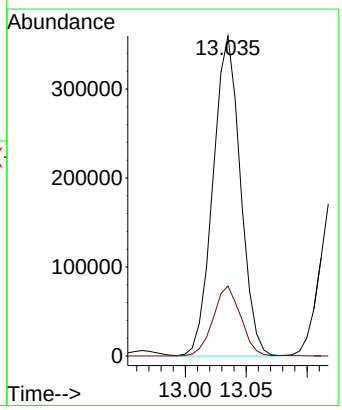


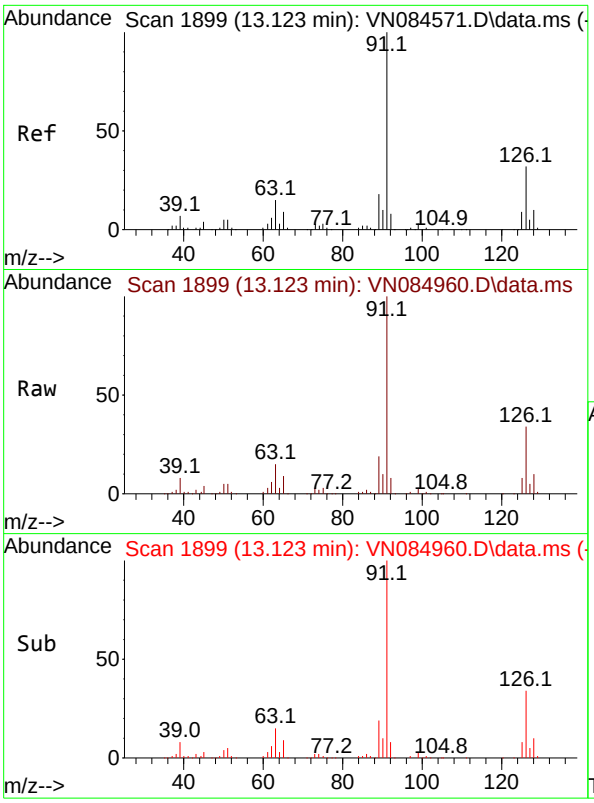


#78
n-propylbenzene
Concen: 55.869 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 91 Resp: 563327

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.4



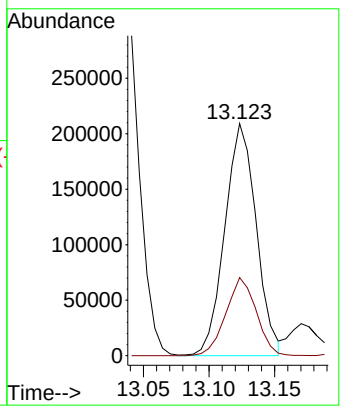


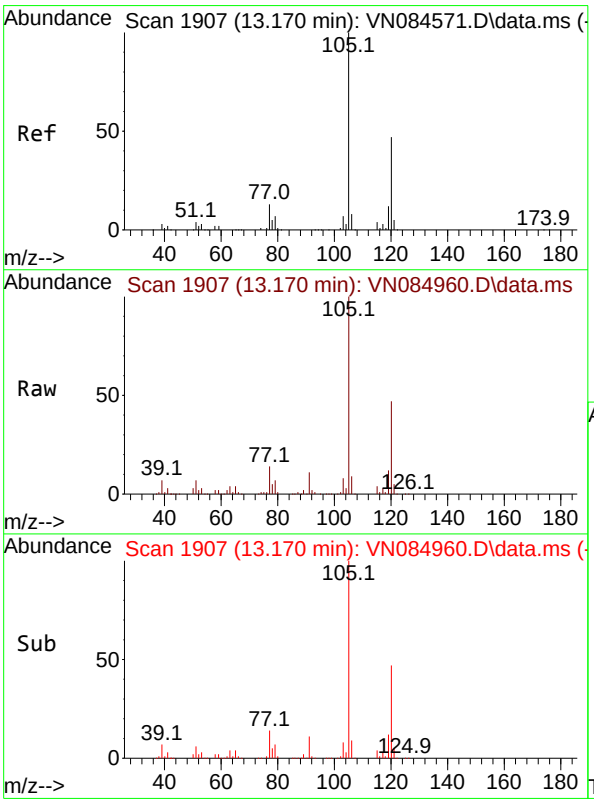
#79
2-Chlorotoluene
Concen: 53.064 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 349601

Ion	Ratio	Lower	Upper
91	100		
126	32.6	15.7	47.1

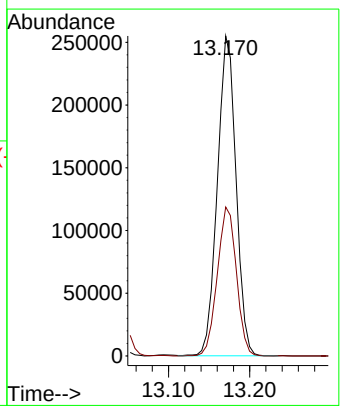


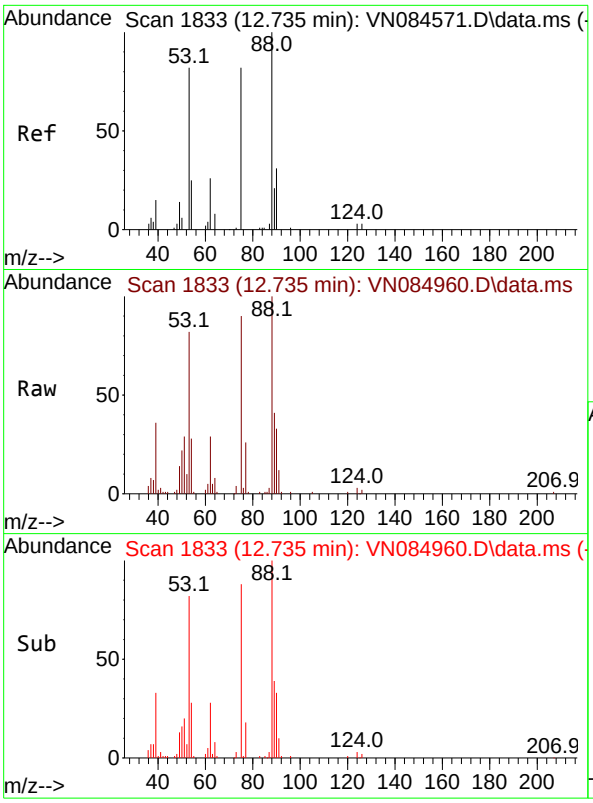


#80
1,3,5-Trimethylbenzene
Concen: 57.072 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:105 Resp: 407010

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.7	71.1



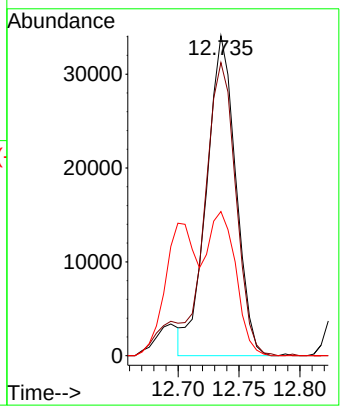


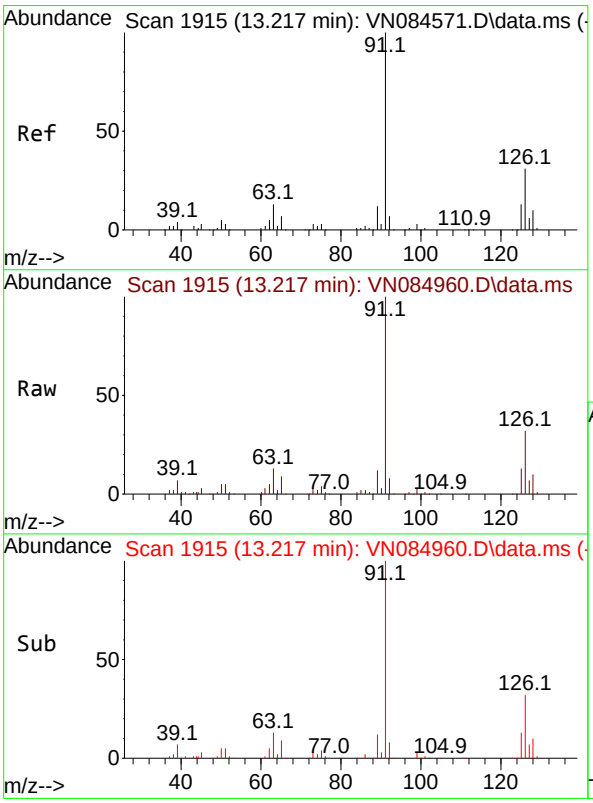
#81
trans-1,4-Dichloro-2-butene
Concen: 55.078 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 56982

Ion	Ratio	Lower	Upper
75	100		
53	105.3	78.0	117.0
89	43.8	35.5	53.3

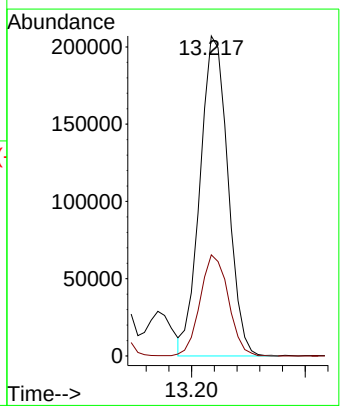


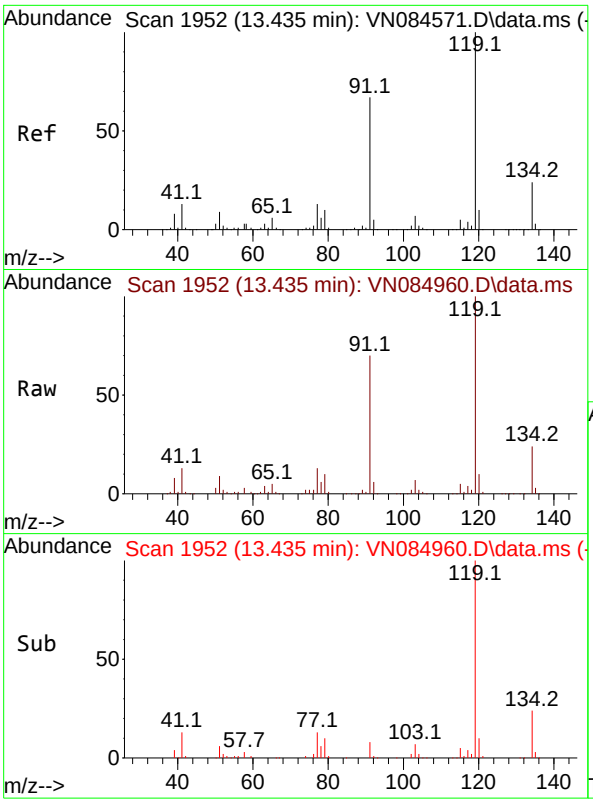


#82
4-Chlorotoluene
Concen: 51.041 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 91 Resp: 353895

Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.7	47.1



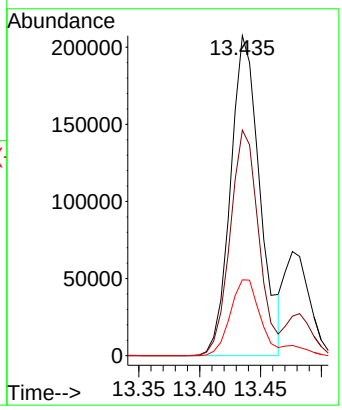


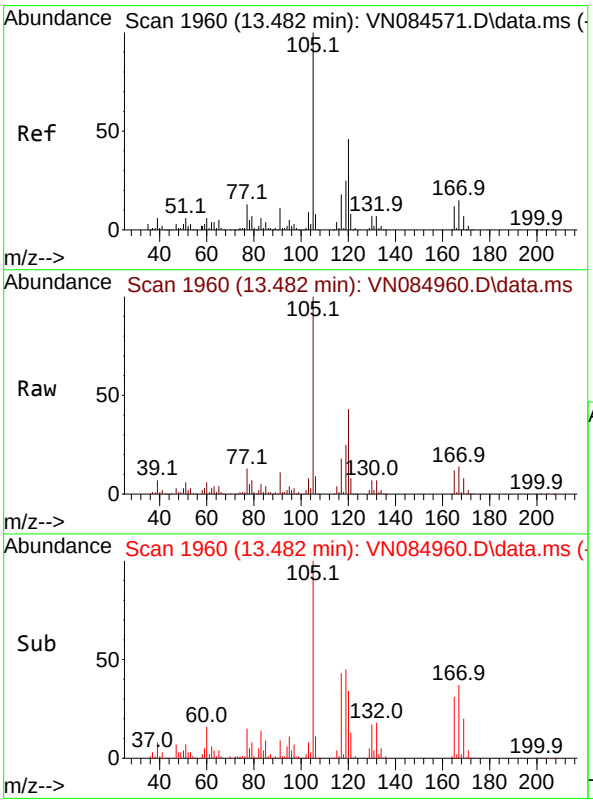
#83
tert-Butylbenzene
Concen: 58.973 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 348071

Ion	Ratio	Lower	Upper
119	100		
91	68.8	34.1	102.3
134	26.5	12.8	38.4

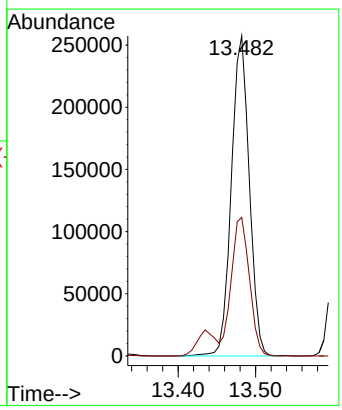


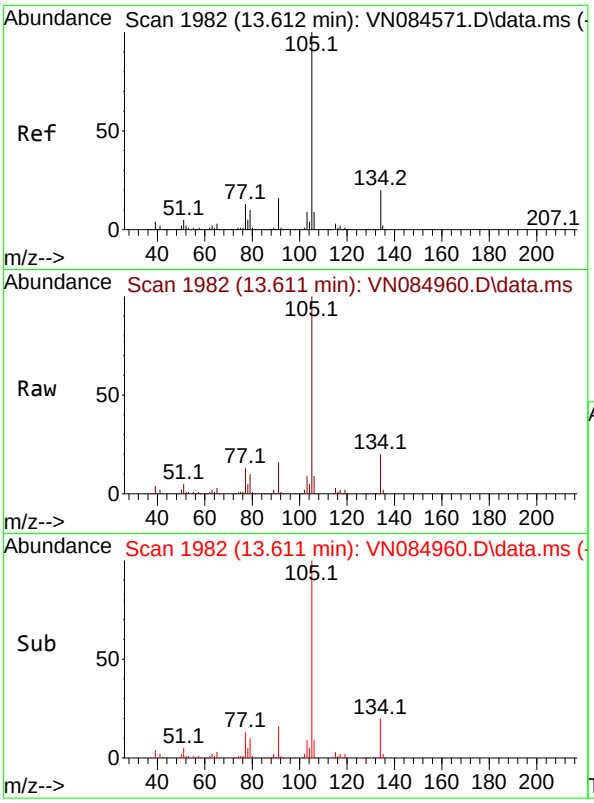


#84
1,2,4-Trimethylbenzene
Concen: 56.287 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:105 Resp: 414294

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.3	66.8



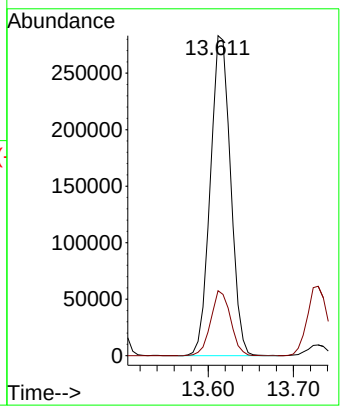


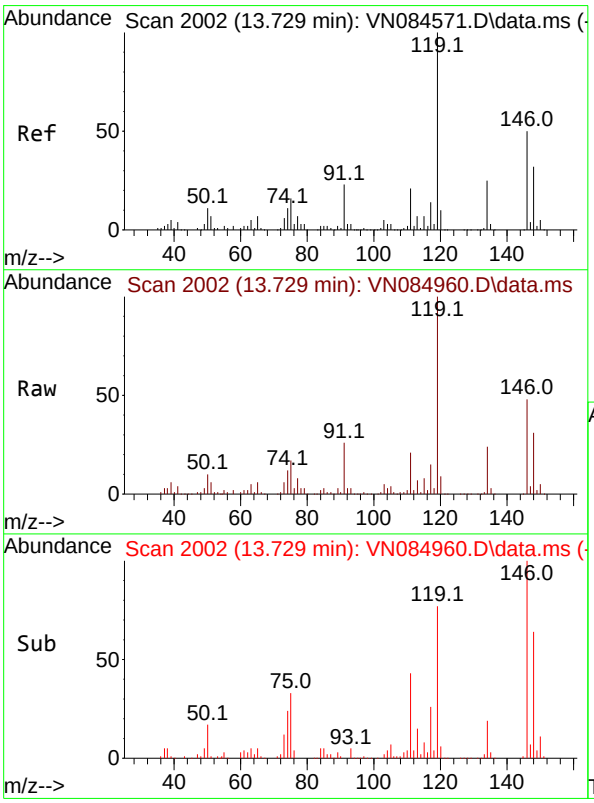
#85
sec-Butylbenzene
Concen: 56.017 ug/l
RT: 13.611 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 467025

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.4

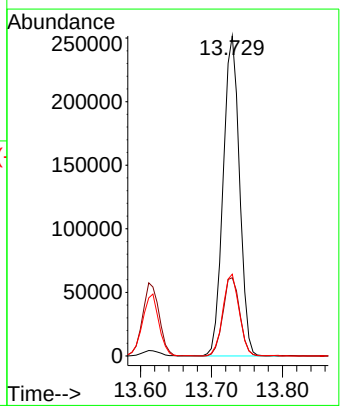


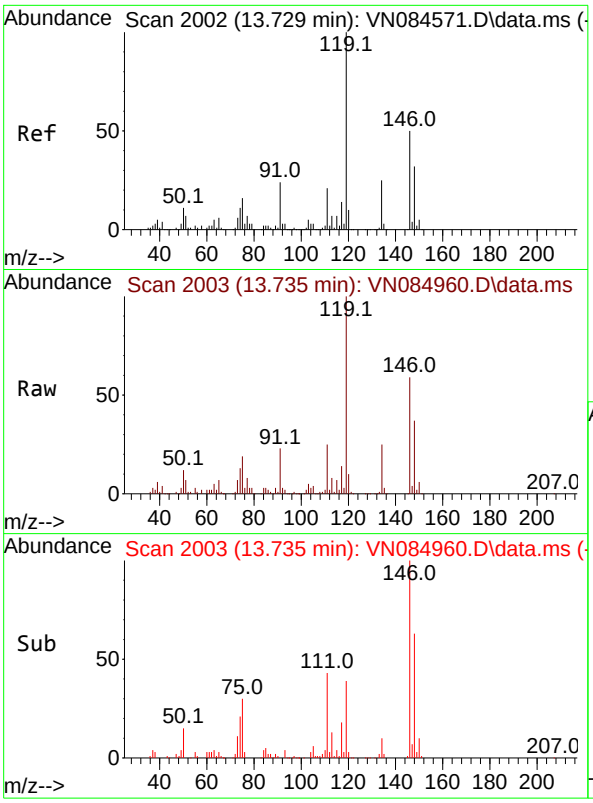


#86
p-Isopropyltoluene
Concen: 58.679 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:119 Resp: 401222

Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.6	37.8
91	25.5	12.4	37.2



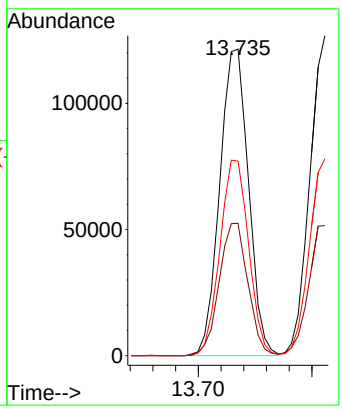


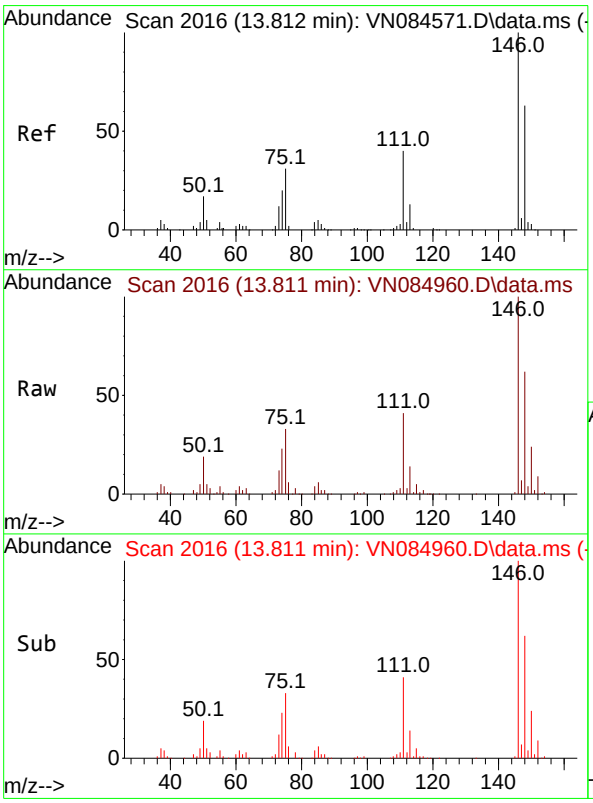
#87
1,3-Dichlorobenzene
Concen: 47.403 ug/l
RT: 13.735 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 213991

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.8	65.3
148	63.6	31.9	95.7

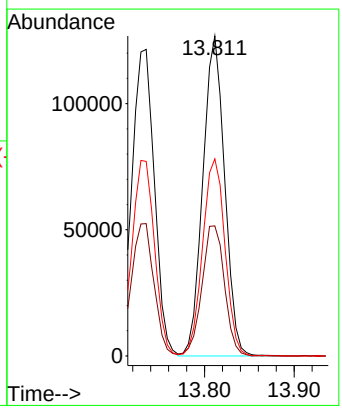


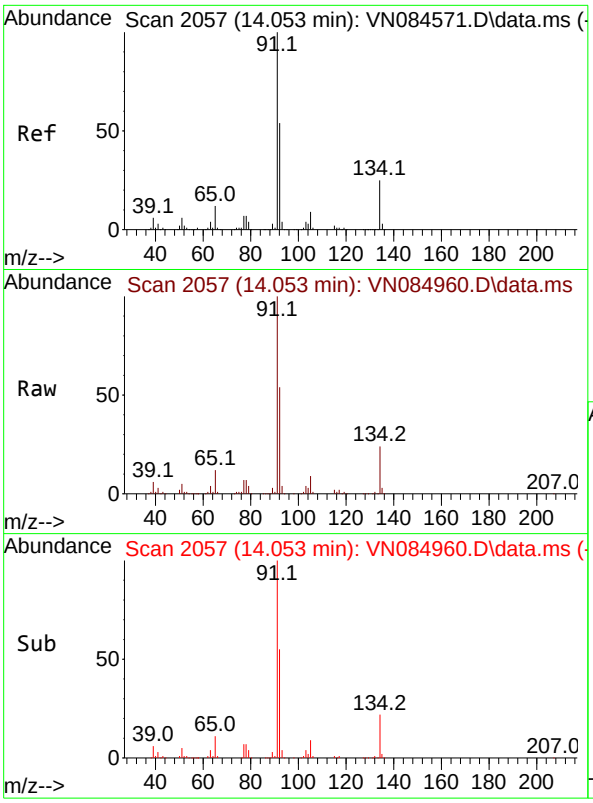


#88
1,4-Dichlorobenzene
Concen: 51.698 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.001 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:146 Resp: 213744

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.2	63.6
148	63.4	31.9	95.9



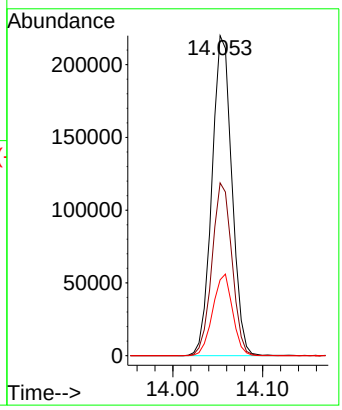


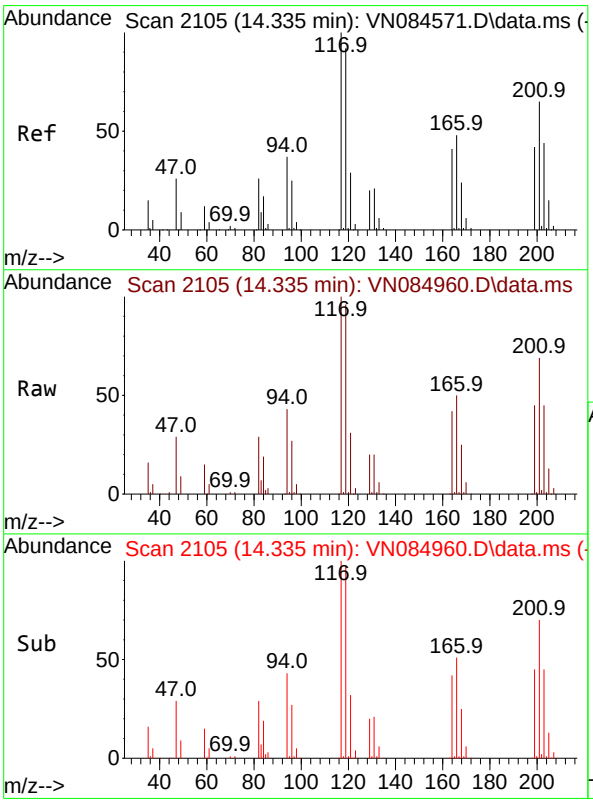
#89
n-Butylbenzene
Concen: 53.124 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 339784

Ion	Ratio	Lower	Upper
91	100		
92	54.1	26.6	79.7
134	25.3	12.3	36.9

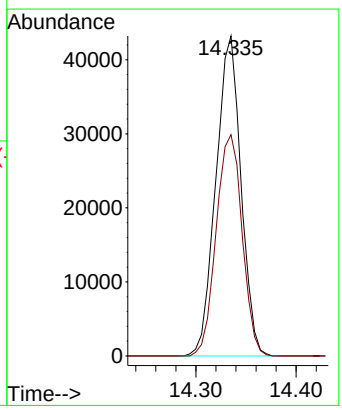


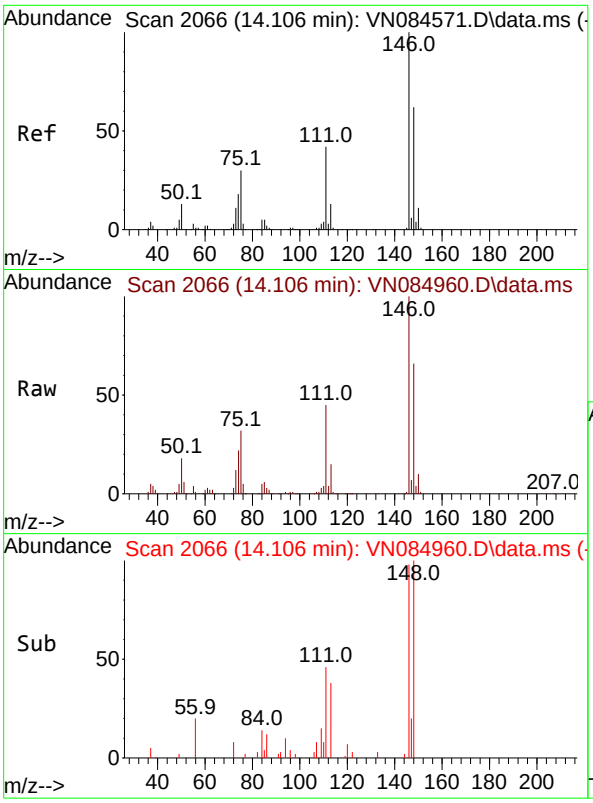


#90
Hexachloroethane
Concen: 49.189 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:117 Resp: 75005

Ion	Ratio	Lower	Upper
117	100		
201	71.4	34.4	103.2



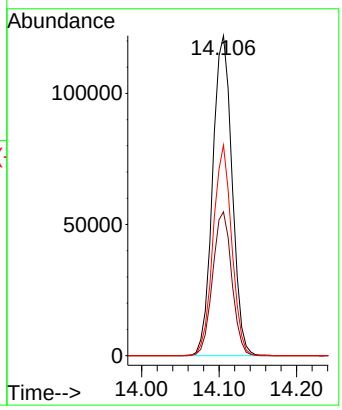


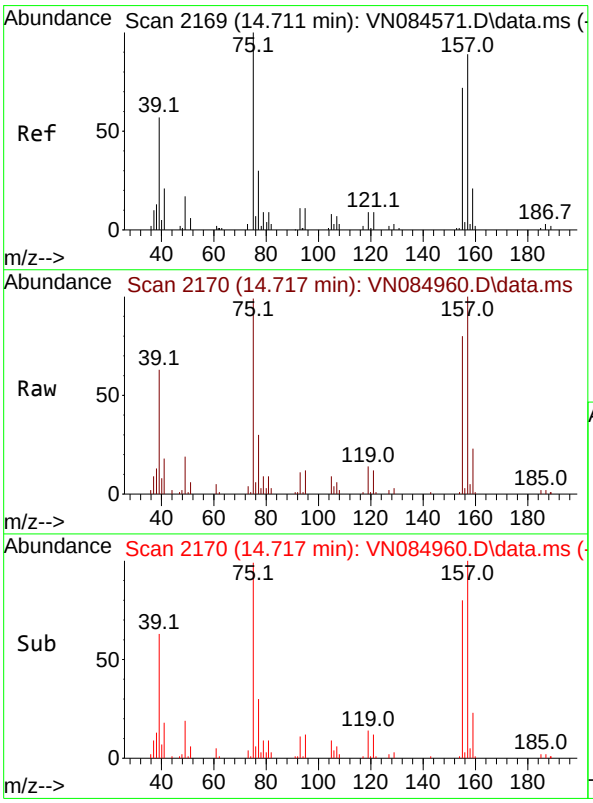
#91
1,2-Dichlorobenzene
Concen: 48.934 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 212272

Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.0	66.0
148	63.1	32.1	96.3

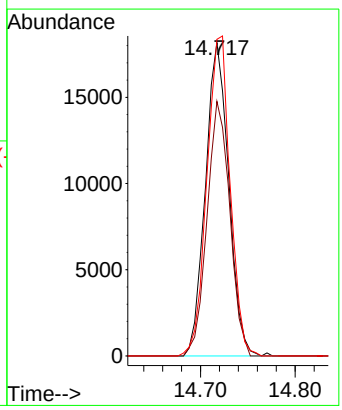


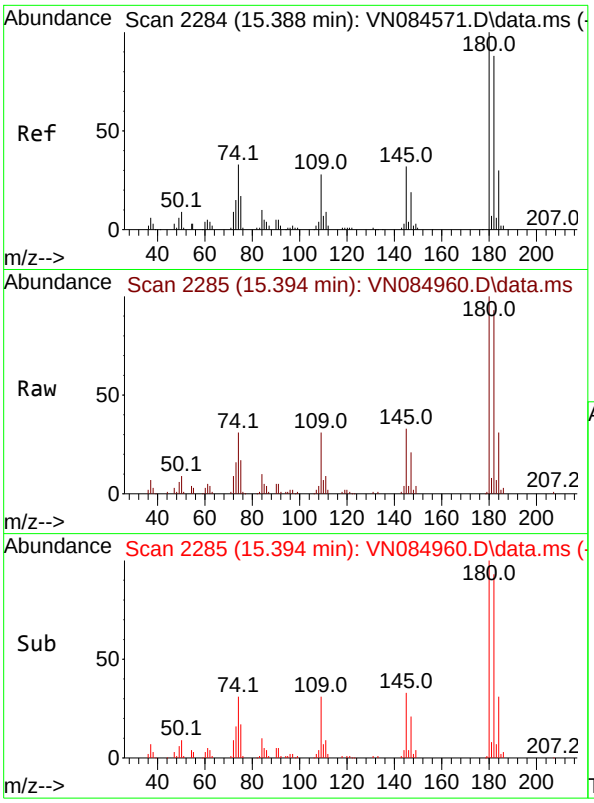


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.467 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion: 75 Resp: 31109

Ion	Ratio	Lower	Upper
75	100		
155	79.1	38.1	114.5
157	101.8	49.6	149.0



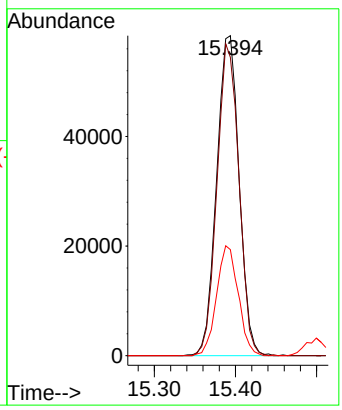


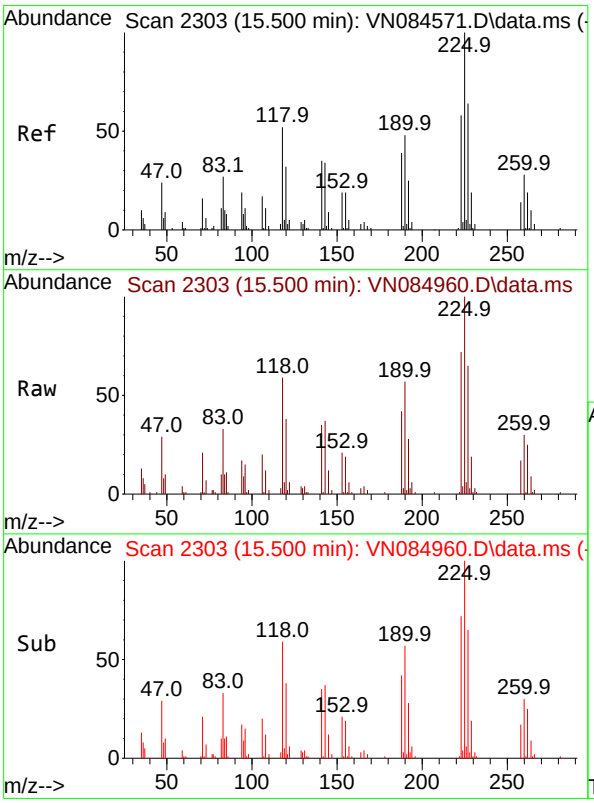
#93
1,2,4-Trichlorobenzene
Concen: 47.286 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 112274

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.0	141.0
145	33.2	16.4	49.4

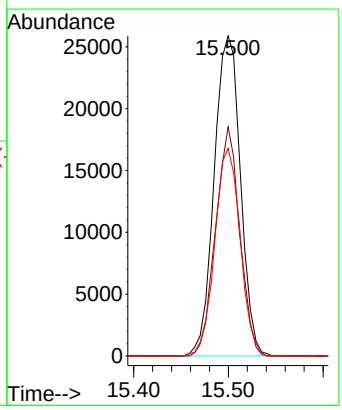


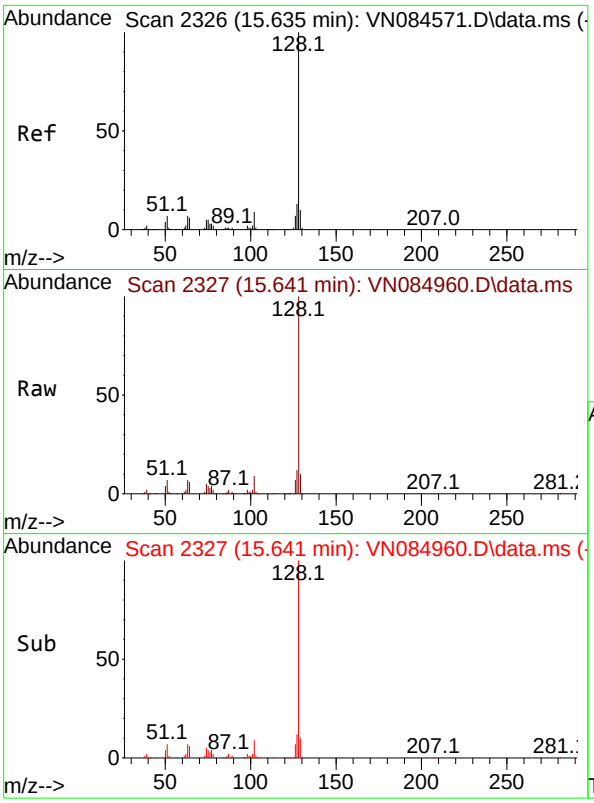


#94
Hexachlorobutadiene
Concen: 47.779 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:225 Resp: 49818

Ion	Ratio	Lower	Upper
225	100		
223	65.5	32.4	97.2
227	63.1	32.4	97.0



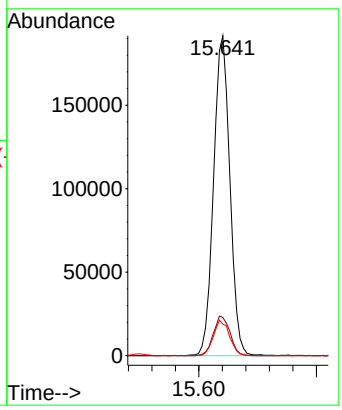


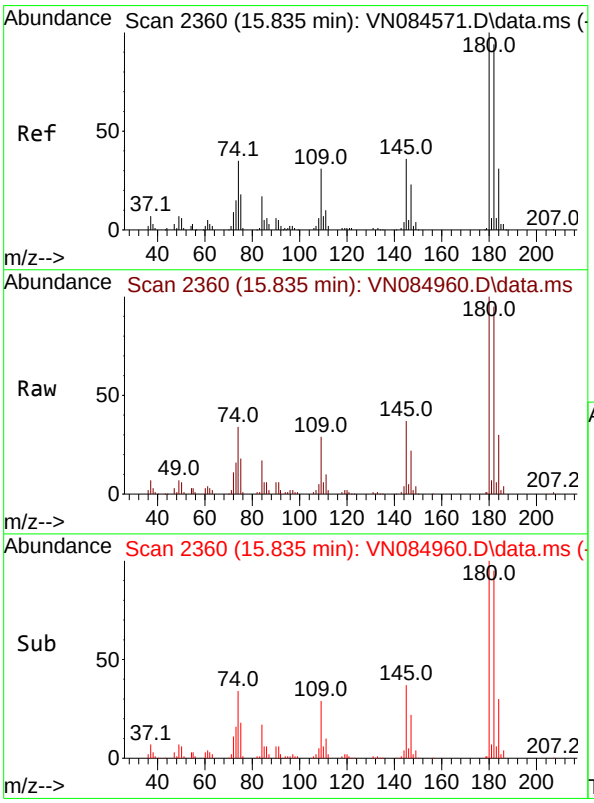
#95
Naphthalene
Concen: 51.842 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 368434

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	11.0	8.7	13.1

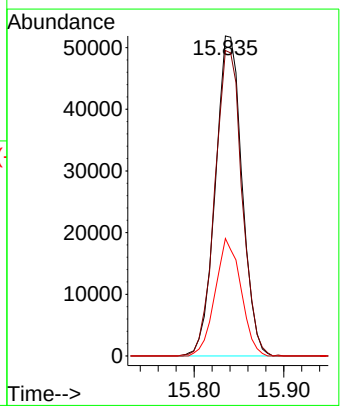




#96
1,2,3-Trichlorobenzene
Concen: 46.284 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN084960.D
Acq: 20 Nov 2024 11:18

Tgt Ion:180 Resp: 106677

Ion	Ratio	Lower	Upper
180	100		
182	97.3	48.2	144.6
145	35.6	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084964.D
Acq On : 20 Nov 2024 13:20
Operator : JC\MD
Sample : VN1120WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Quant Time: Nov 21 00:36:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	150630	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	253557	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	229692	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114872	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	102086	46.923	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.840%		
35) Dibromofluoromethane	8.165	113	82888	48.295	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.600%		
50) Toluene-d8	10.565	98	283802	44.890	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.780%		
62) 4-Bromofluorobenzene	12.847	95	113847	48.183	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.360%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	35618	20.569	ug/l	97
3) Chloromethane	2.359	50	39396	17.764	ug/l	96
4) Vinyl Chloride	2.506	62	35932	19.293	ug/l	94
5) Bromomethane	2.901	94	19858	20.124	ug/l	91
6) Chloroethane	3.071	64	23127	19.201	ug/l	98
7) Trichlorofluoromethane	3.465	101	60800	19.818	ug/l	99
8) Diethyl Ether	3.953	74	23262	21.494	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.353	101	34019	19.624	ug/l	98
10) Methyl Iodide	4.577	142	48587	20.971	ug/l	98
11) Tert butyl alcohol	5.542	59	33696	117.336	ug/l	98
12) 1,1-Dichloroethene	4.330	96	32651	19.034	ug/l	94
13) Acrolein	4.171	56	31534	110.120	ug/l	97
14) Allyl chloride	5.012	41	54299	19.519	ug/l	94
15) Acrylonitrile	5.712	53	96254	115.780	ug/l	98
16) Acetone	4.430	43	72399	113.647	ug/l	96
17) Carbon Disulfide	4.700	76	93961	17.787	ug/l	98
18) Methyl Acetate	5.024	43	50778	19.700	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	114824	21.839	ug/l	98
20) Methylene Chloride	5.265	84	38672	20.210	ug/l	92
21) trans-1,2-Dichloroethene	5.777	96	33847	19.216	ug/l	95
22) Diisopropyl ether	6.671	45	116859	21.141	ug/l	97
23) Vinyl Acetate	6.600	43	432838	113.548	ug/l	98
24) 1,1-Dichloroethane	6.559	63	65568	19.757	ug/l	97
25) 2-Butanone	7.483	43	124217	122.382	ug/l	97
26) 2,2-Dichloropropane	7.483	77	58388	20.214	ug/l	99
27) cis-1,2-Dichloroethene	7.477	96	41367	20.114	ug/l	97
28) Bromochloromethane	7.806	49	28846	21.817	ug/l	90
29) Tetrahydrofuran	7.841	42	81330	120.782	ug/l	96
30) Chloroform	7.965	83	69698	20.634	ug/l	93
31) Cyclohexane	8.247	56	56449	18.794	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	61504	20.005	ug/l	97
36) 1,1-Dichloropropene	8.365	75	45714	19.205	ug/l	98
37) Ethyl Acetate	7.559	43	48545	22.479	ug/l	95
38) Carbon Tetrachloride	8.359	117	55251	20.767	ug/l	95
39) Methylcyclohexane	9.600	83	49871	20.595	ug/l	97
40) Benzene	8.600	78	151055	19.761	ug/l	97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084964.D
Acq On : 20 Nov 2024 13:20
Operator : JC\MD
Sample : VN1120WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Quant Time: Nov 21 00:36:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	28047	24.151	ug/l		98
42) 1,2-Dichloroethane	8.665	62	52979	21.400	ug/l		99
43) Isopropyl Acetate	8.688	43	89614	21.919	ug/l		99
44) Trichloroethene	9.347	130	34468	19.552	ug/l		97
45) 1,2-Dichloropropane	9.618	63	37090	20.684	ug/l		98
46) Dibromomethane	9.706	93	26646	21.059	ug/l		96
47) Bromodichloromethane	9.888	83	53986	20.241	ug/l	#	99
48) Methyl methacrylate	9.682	41	39511	23.508	ug/l		98
49) 1,4-Dioxane	9.694	88	13647	458.199	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.447	43	257532	125.092	ug/l		99
52) Toluene	10.629	92	92522	20.695	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	53494	19.376	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	58965	20.179	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	36801	21.853	ug/l		95
56) Ethyl methacrylate	10.871	69	57695	23.685	ug/l		96
57) 1,3-Dichloropropane	11.159	76	61447	21.260	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	115920	101.699	ug/l		95
59) 2-Hexanone	11.194	43	190538	127.150	ug/l		99
60) Dibromochloromethane	11.359	129	41243	21.489	ug/l		99
61) 1,2-Dibromoethane	11.471	107	36672	21.265	ug/l		98
64) Tetrachloroethene	11.100	164	30097	19.699	ug/l		93
65) Chlorobenzene	11.888	112	99409	19.345	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	35112	19.644	ug/l		98
67) Ethyl Benzene	11.965	91	168037	19.590	ug/l		99
68) m/p-Xylenes	12.071	106	127695	39.323	ug/l		99
69) o-Xylene	12.400	106	62946	20.721	ug/l		99
70) Styrene	12.412	104	106834	20.160	ug/l		99
71) Bromoform	12.582	173	26831	19.950	ug/l	#	95
73) Isopropylbenzene	12.694	105	155280	19.290	ug/l		99
74) N-amyl acetate	12.494	43	72549	21.175	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.941	83	54852	20.414	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	70426	30.670	ug/l		56
77) Bromobenzene	12.976	156	40419	18.677	ug/l		96
78) n-propylbenzene	13.035	91	178621	18.935	ug/l		98
79) 2-Chlorotoluene	13.123	91	117308	19.032	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	132819	19.907	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	20543	21.224	ug/l		95
82) 4-Chlorotoluene	13.218	91	119090	18.359	ug/l		98
83) tert-Butylbenzene	13.435	119	112021	20.287	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	138540	20.119	ug/l		98
85) sec-Butylbenzene	13.618	105	149002	19.103	ug/l		100
86) p-Isopropyltoluene	13.729	119	123982	19.382	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	73769	17.467	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	72532	18.009	ug/l		99
89) n-Butylbenzene	14.059	91	102739	17.170	ug/l		99
90) Hexachloroethane	14.335	117	25263	17.709	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	73040	17.997	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11216	20.605	ug/l		95
93) 1,2,4-Trichlorobenzene	15.394	180	35527	15.994	ug/l		98
94) Hexachlorobutadiene	15.500	225	16423	16.836	ug/l		96
95) Naphthalene	15.641	128	117662	17.697	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	35531	16.478	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084964.D
Acq On : 20 Nov 2024 13:20
Operator : JC\MD
Sample : VN1120WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Quant Time: Nov 21 00:36:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

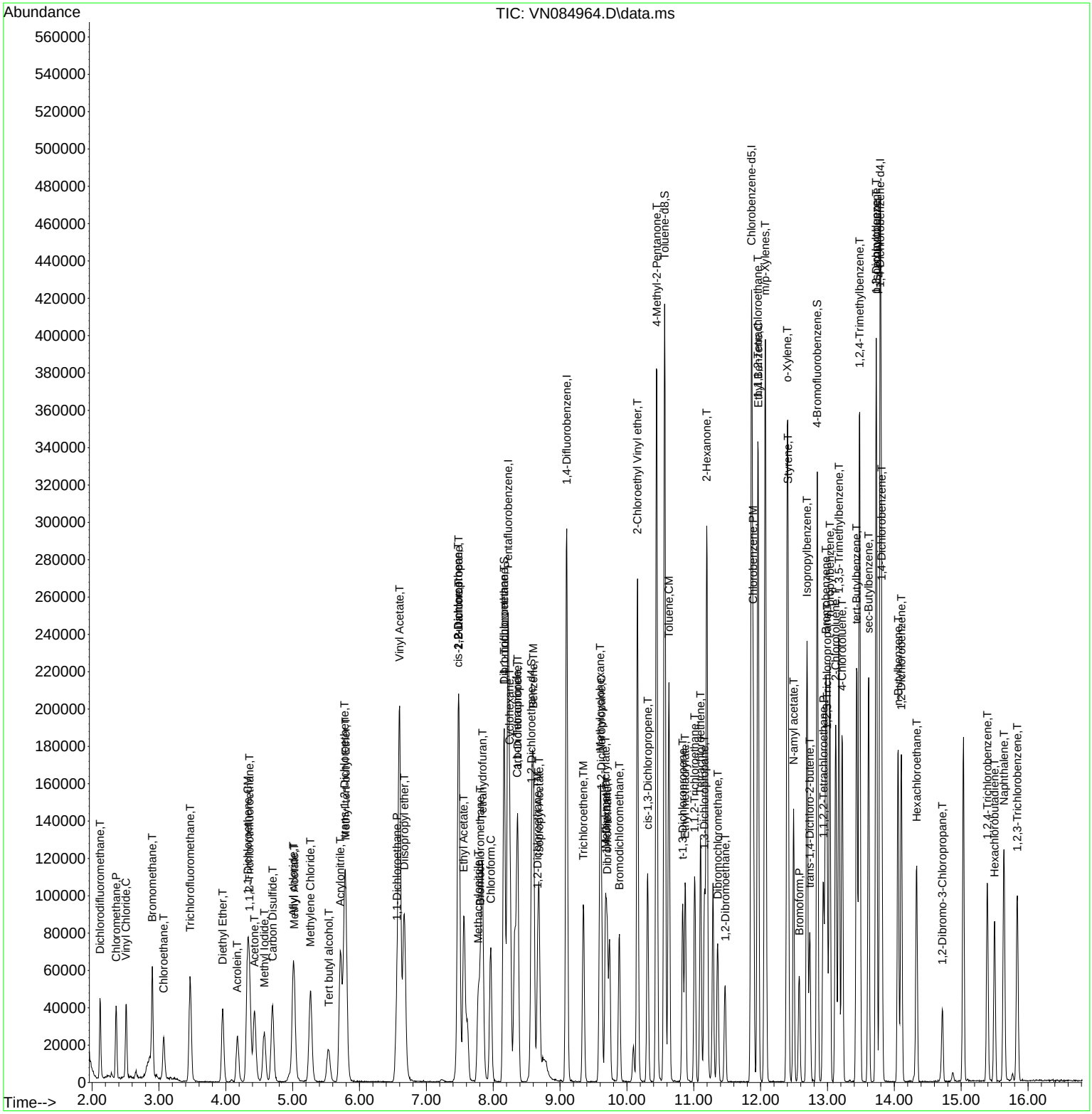
(#) = qualifier out of range (m) = manual integration (+) = signals summed

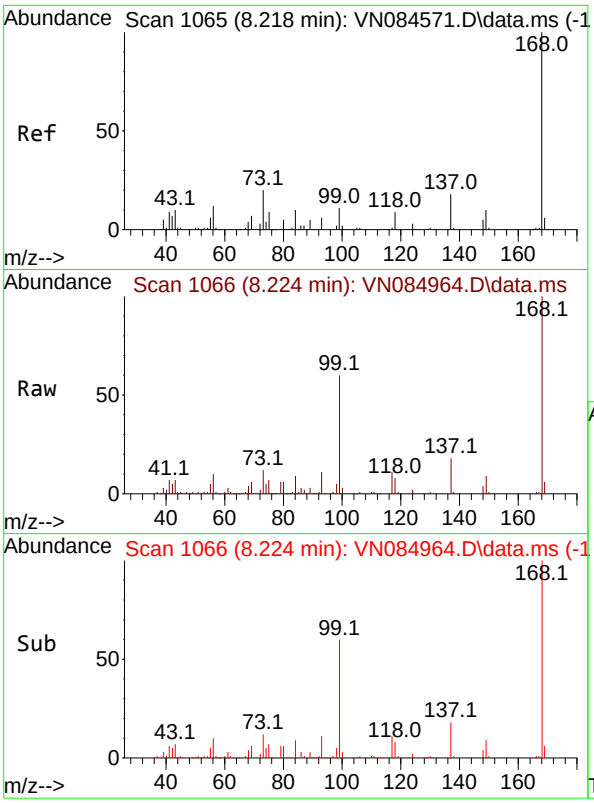
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084964.D
Acq On : 20 Nov 2024 13:20
Operator : JC\MD
Sample : VN1120WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Quant Time: Nov 21 00:36:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



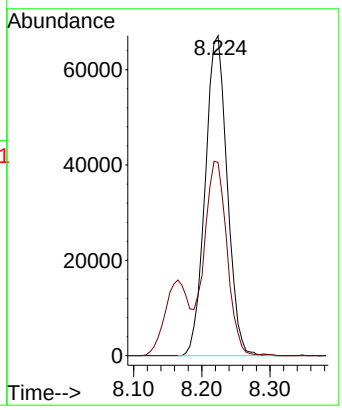


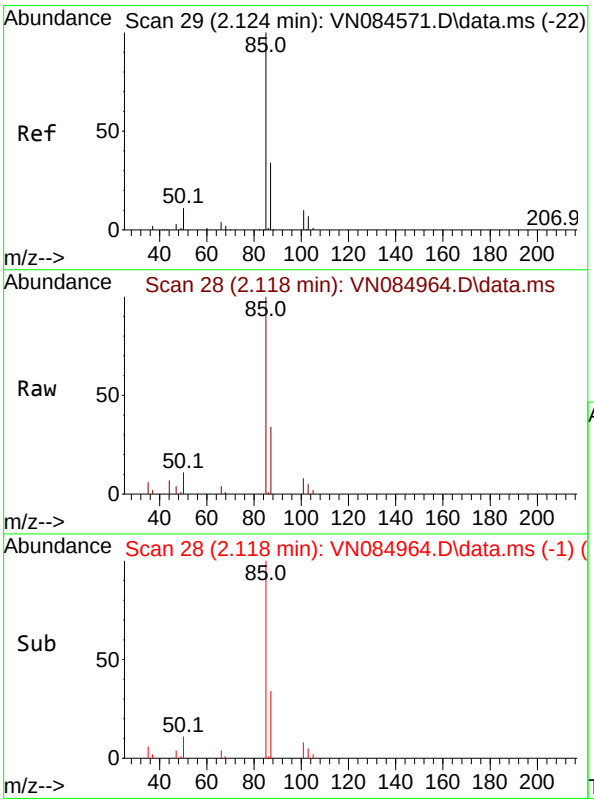
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion:168 Resp: 150630

Ion	Ratio	Lower	Upper
168	100		
99	60.4	54.2	81.2

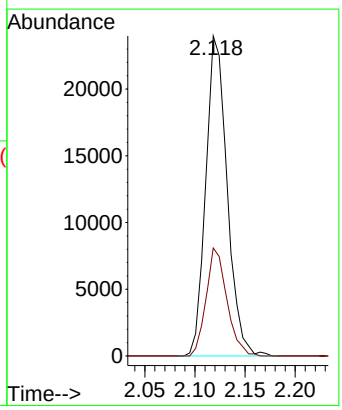


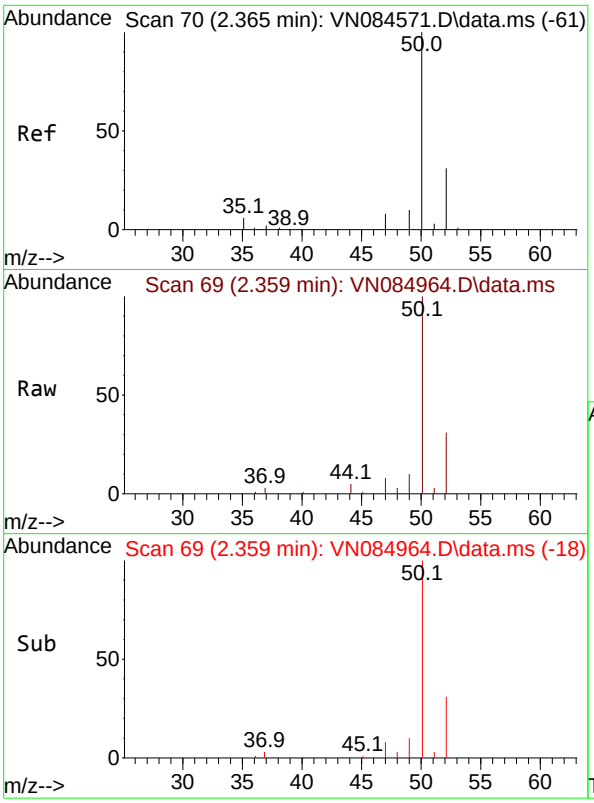


#2
Dichlorodifluoromethane
Concen: 20.569 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 85 Resp: 35618

Ion	Ratio	Lower	Upper
85	100		
87	33.8	17.6	52.9



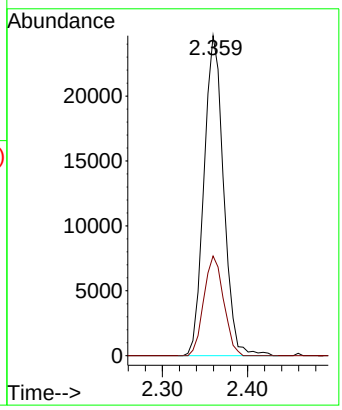


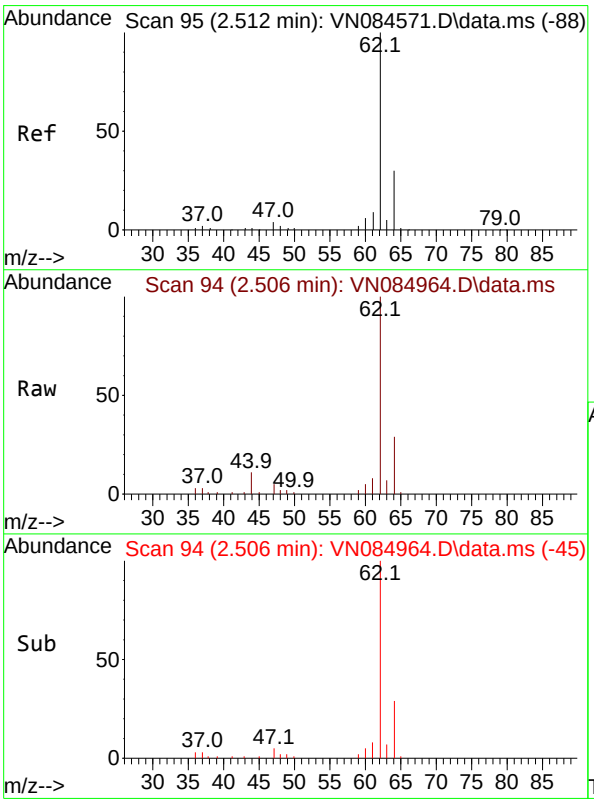
#3
Chloromethane
Concen: 17.764 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion: 50 Resp: 39396

Ion	Ratio	Lower	Upper
50	100		
52	31.1	26.8	40.2

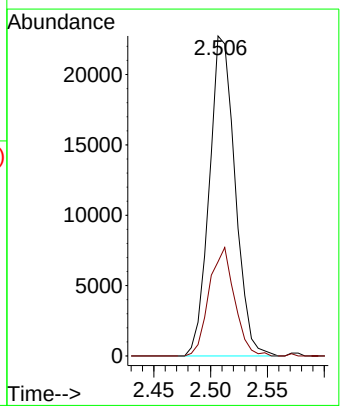


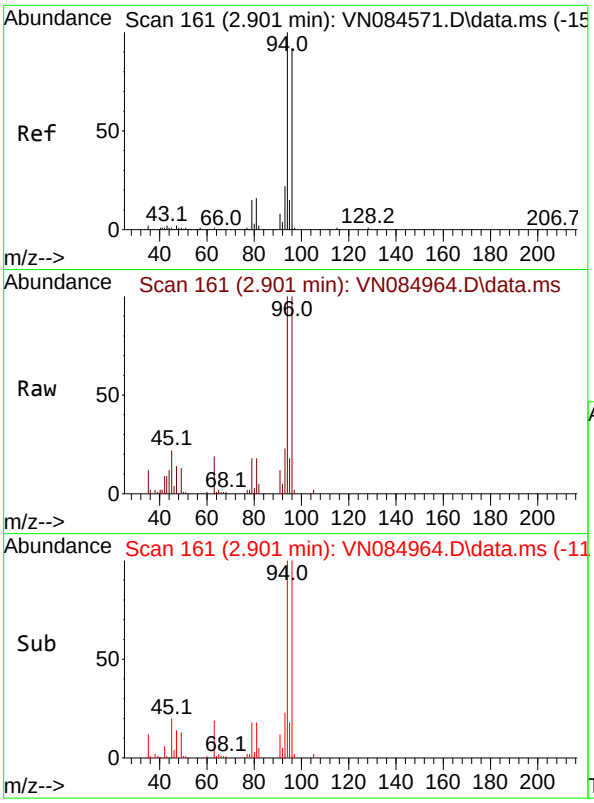


#4
Vinyl Chloride
Concen: 19.293 ug/l
RT: 2.506 min Scan# 94
Delta R.T. -0.012 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 62 Resp: 35932

Ion	Ratio	Lower	Upper
62	100		
64	29.4	26.2	39.4



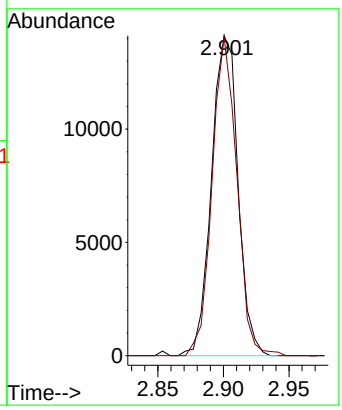


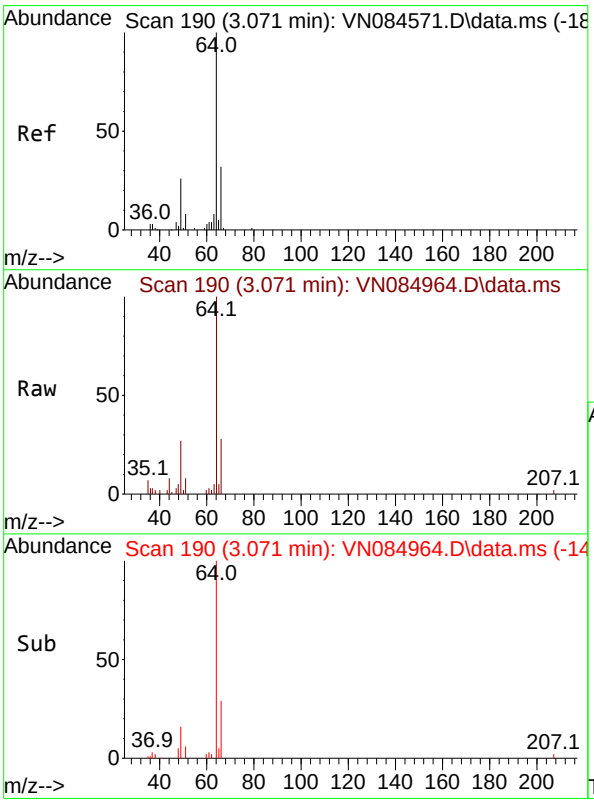
#5
Bromomethane
Concen: 20.124 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.052 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion: 94 Resp: 19858

Ion	Ratio	Lower	Upper
94	100		
96	99.6	72.9	109.3

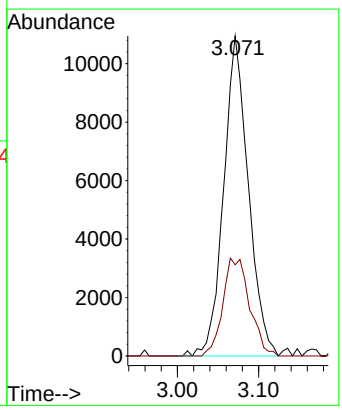


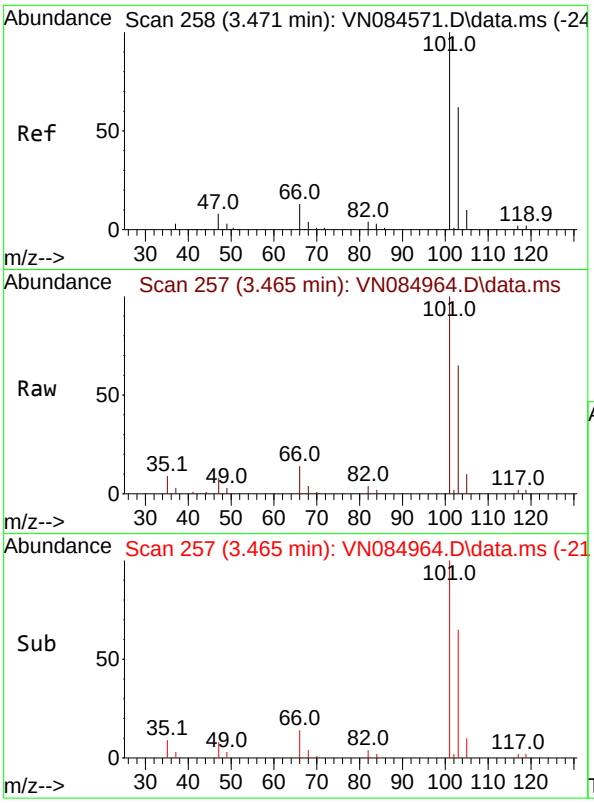


#6
Chloroethane
Concen: 19.201 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.047 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 64 Resp: 23127

Ion	Ratio	Lower	Upper
64	100		
66	28.5	23.5	35.3



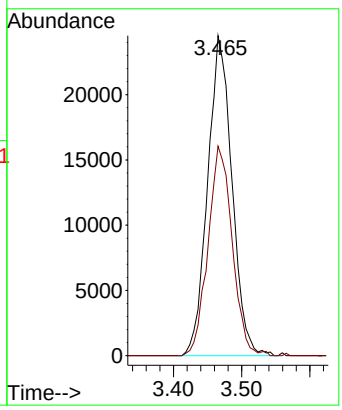


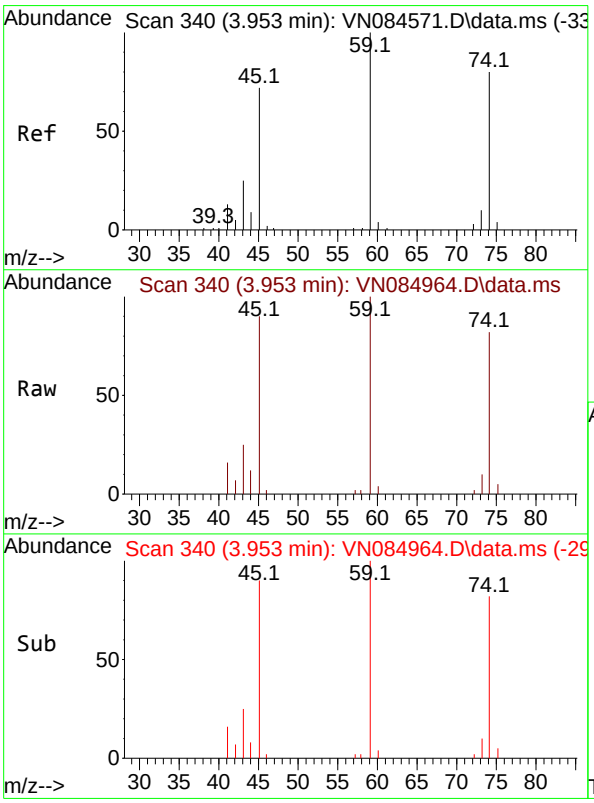
#7
Trichlorofluoromethane
Concen: 19.818 ug/l
RT: 3.465 min Scan# 2
Delta R.T. -0.030 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion:101 Resp: 60800

Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.8	77.6

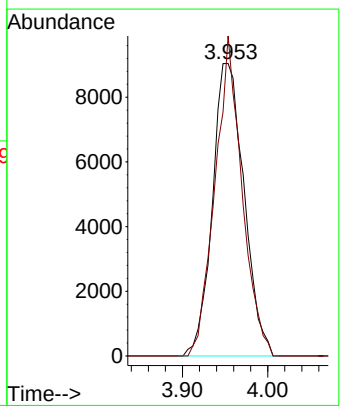


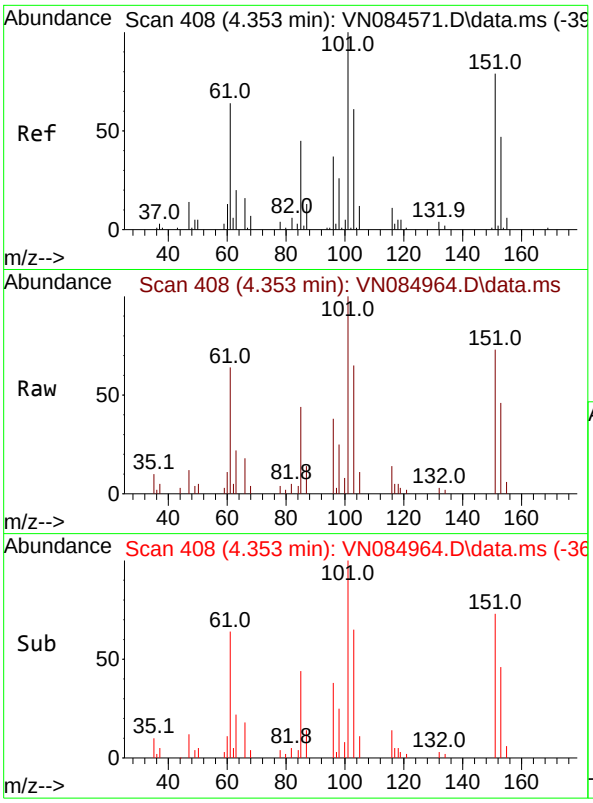


#8
Diethyl Ether
Concen: 21.494 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 74 Resp: 23262

Ion	Ratio	Lower	Upper
74	100		
45	93.5	47.7	143.1



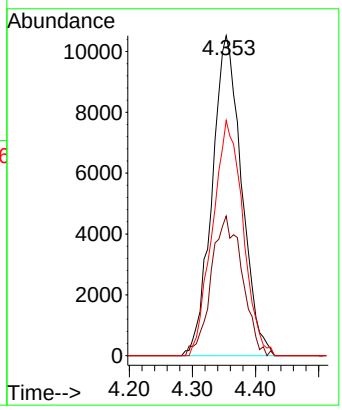


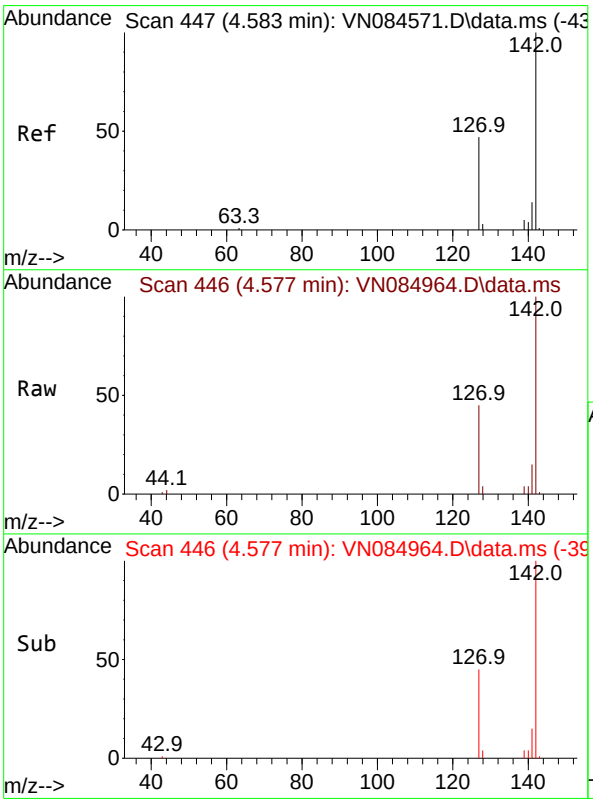
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.624 ug/l
RT: 4.353 min Scan# 4(
Delta R.T. -0.018 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion:101 Resp: 34019

Ion	Ratio	Lower	Upper
101	100		
85	46.1	36.2	54.4
151	76.0	59.3	88.9

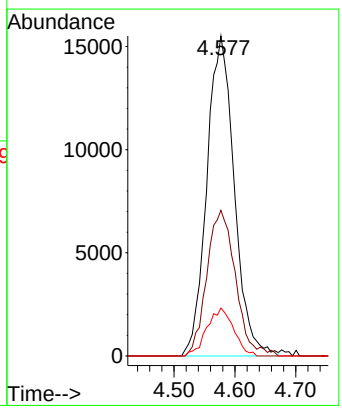


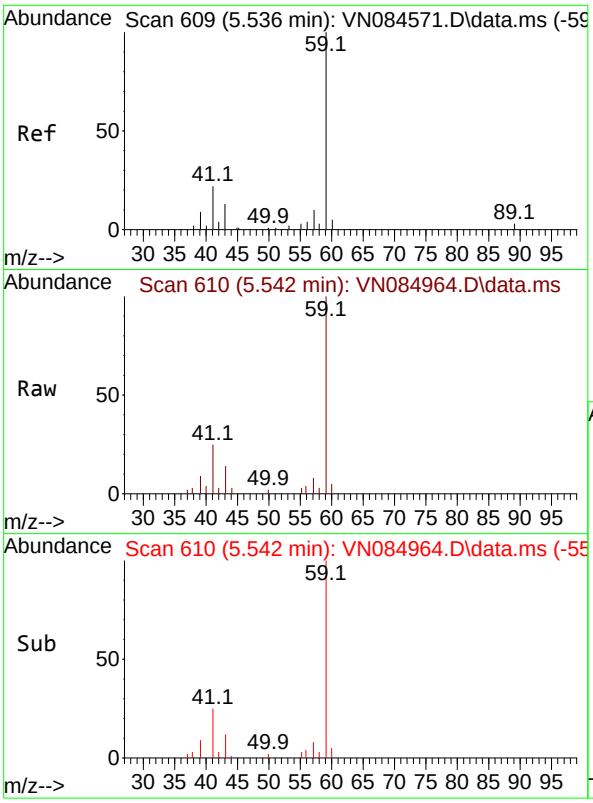


#10
Methyl Iodide
Concen: 20.971 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:142 Resp: 48587

Ion	Ratio	Lower	Upper
142	100		
127	45.5	35.3	52.9
141	15.0	11.0	16.6



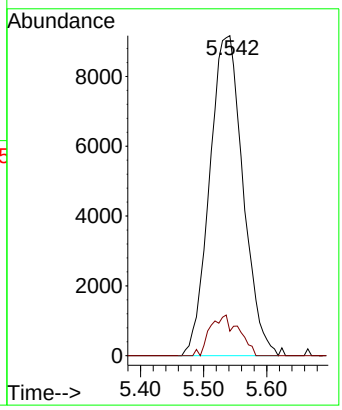


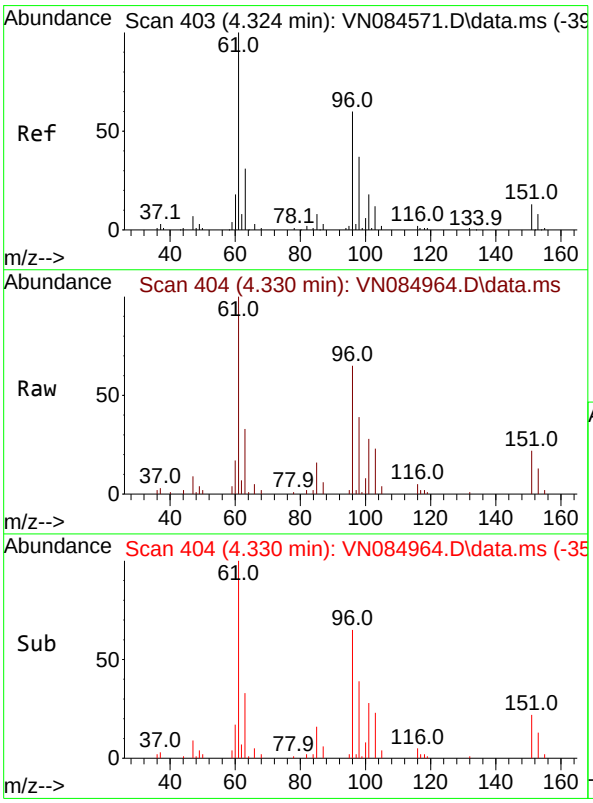
#11
Tert butyl alcohol
Concen: 117.336 ug/l
RT: 5.542 min Scan# 61
Delta R.T. 0.018 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion: 59 Resp: 33696

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.2	12.2

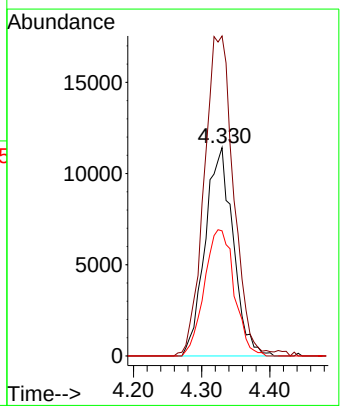


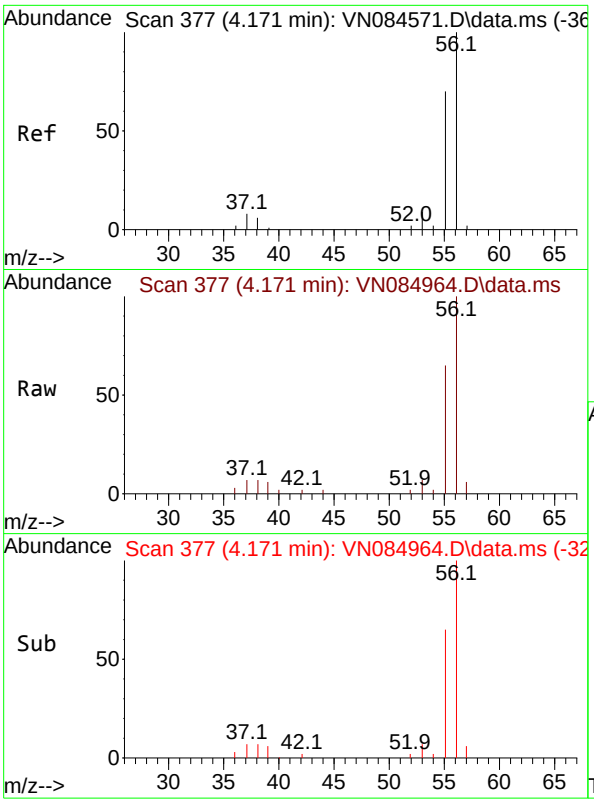


#12
1,1-Dichloroethene
Concen: 19.034 ug/l
RT: 4.330 min Scan# 404
Delta R.T. -0.012 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 96 Resp: 32651

Ion	Ratio	Lower	Upper
96	100		
61	152.2	128.6	192.8
98	60.1	51.7	77.5



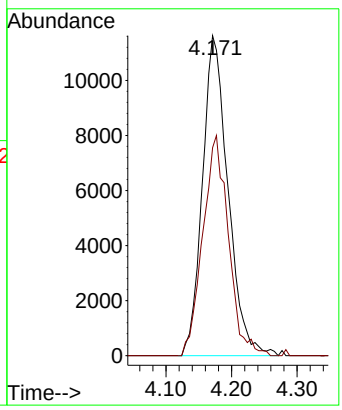


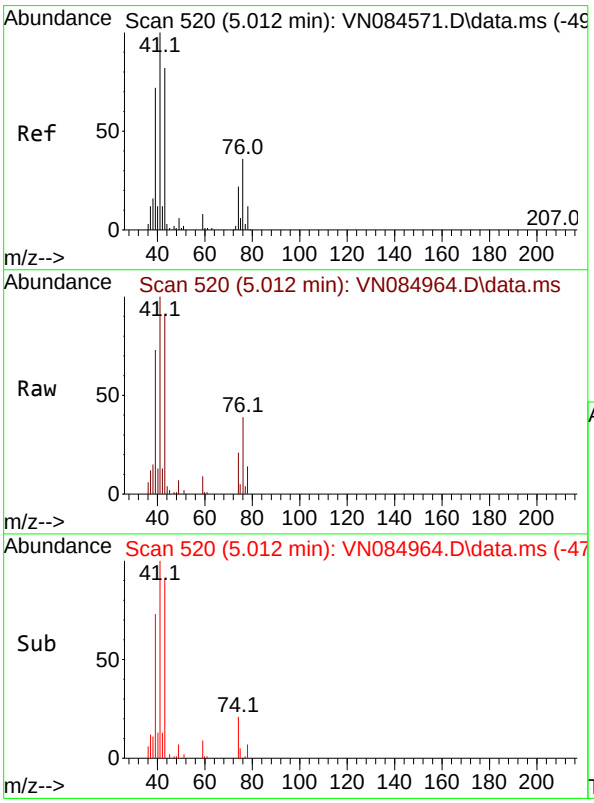
#13
Acrolein
Concen: 110.120 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion: 56 Resp: 31534

Ion	Ratio	Lower	Upper
56	100		
55	69.0	57.2	85.8

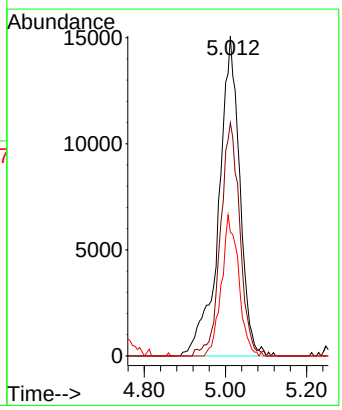


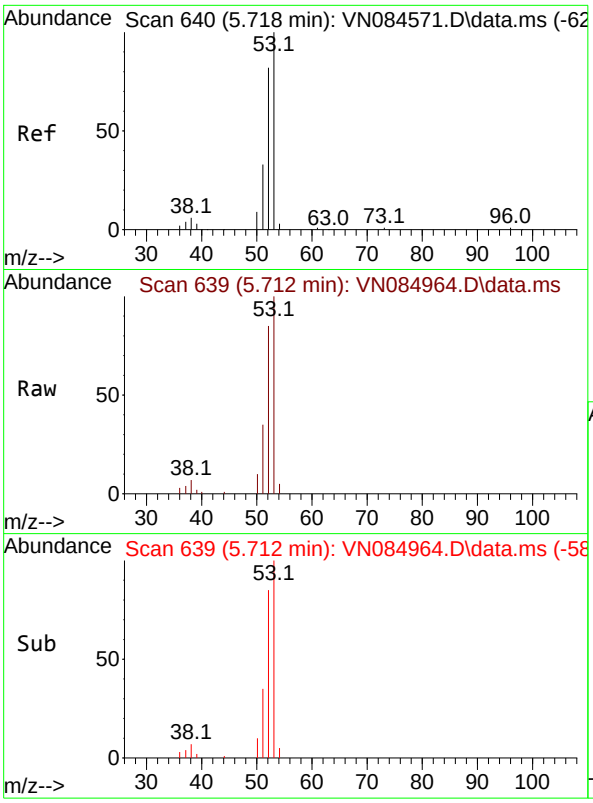


#14
Allyl chloride
Concen: 19.519 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 41 Resp: 54299

Ion	Ratio	Lower	Upper
41	100		
39	66.8	59.0	88.6
76	36.0	29.8	44.6



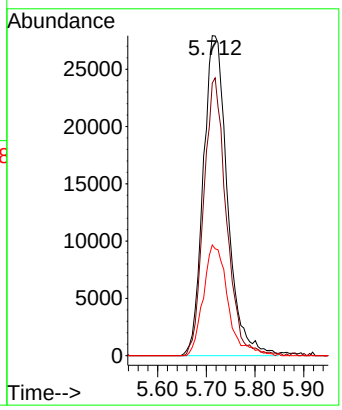


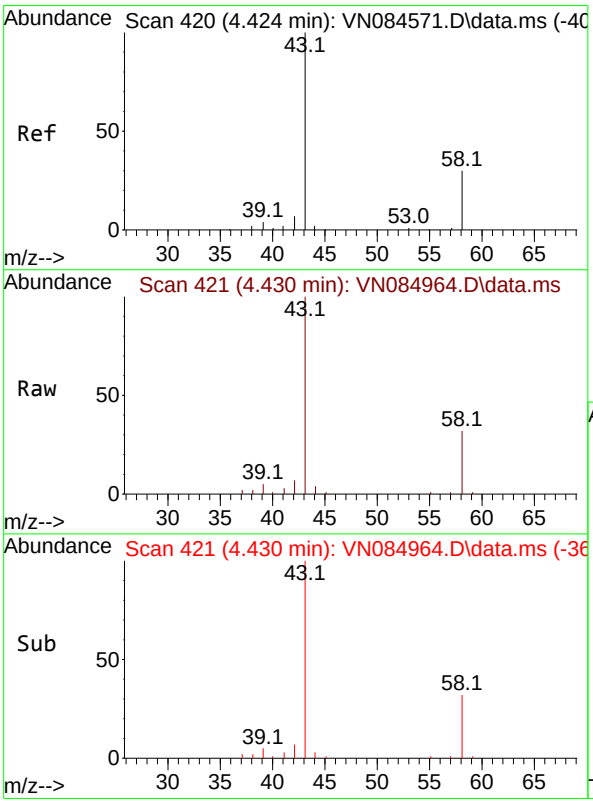
#15
Acrylonitrile
Concen: 115.780 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion: 53 Resp: 96254

Ion	Ratio	Lower	Upper
53	100		
52	80.9	66.2	99.4
51	35.2	28.8	43.2

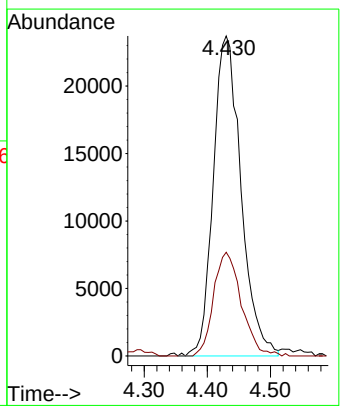


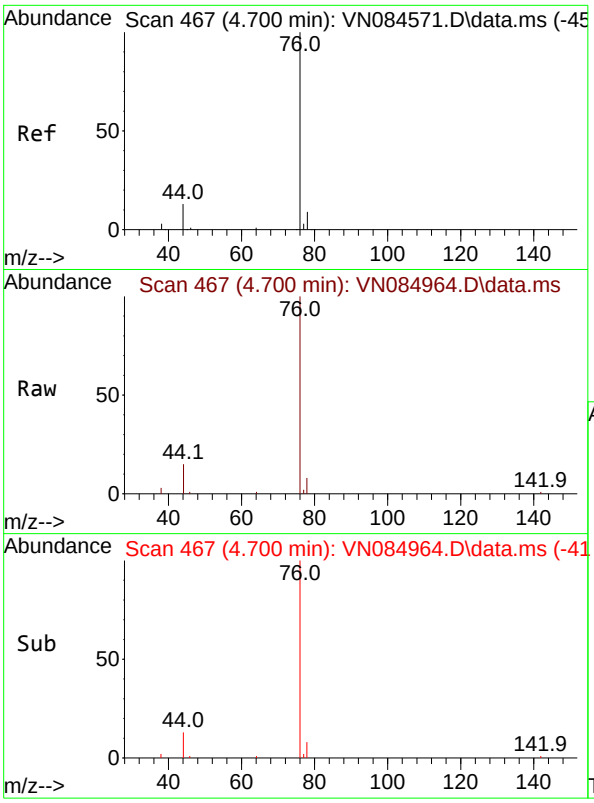


#16
Acetone
Concen: 113.647 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 43 Resp: 72399

Ion	Ratio	Lower	Upper
43	100		
58	32.4	24.4	36.6



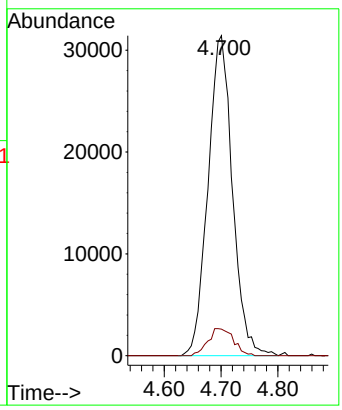


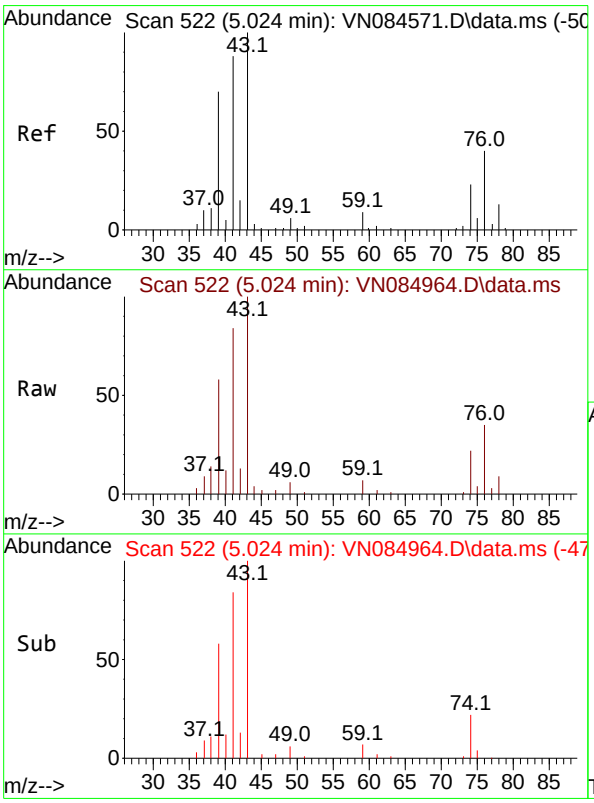
#17
Carbon Disulfide
Concen: 17.787 ug/l
RT: 4.700 min Scan# 4
Delta R.T. -0.012 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion: 76 Resp: 93961

Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.3	10.9

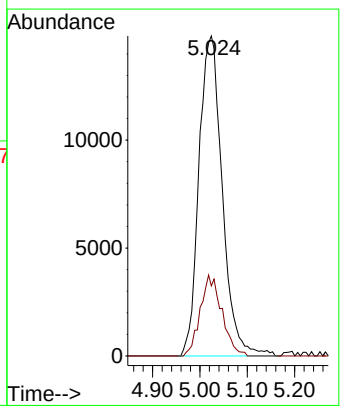


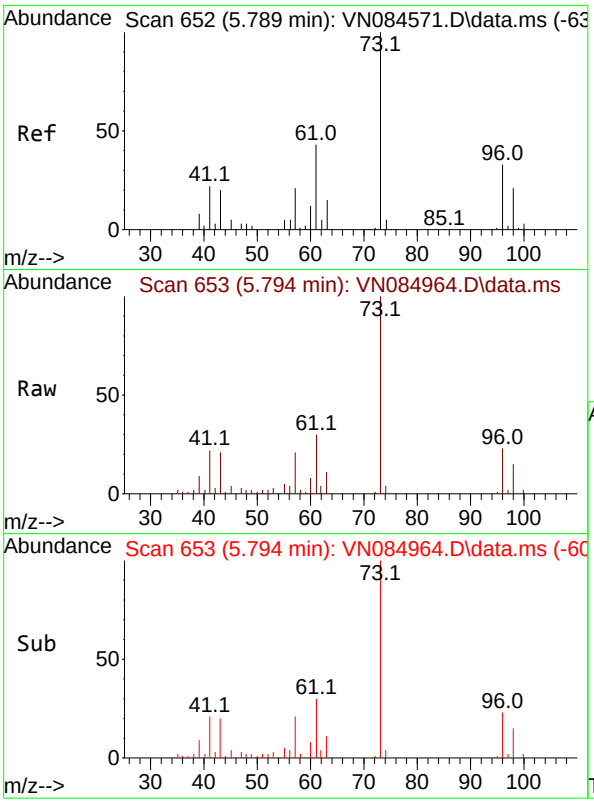


#18
Methyl Acetate
Concen: 19.700 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 43 Resp: 50778

Ion	Ratio	Lower	Upper
43	100		
74	23.3	19.2	28.8



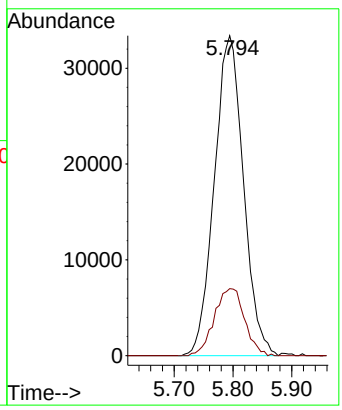


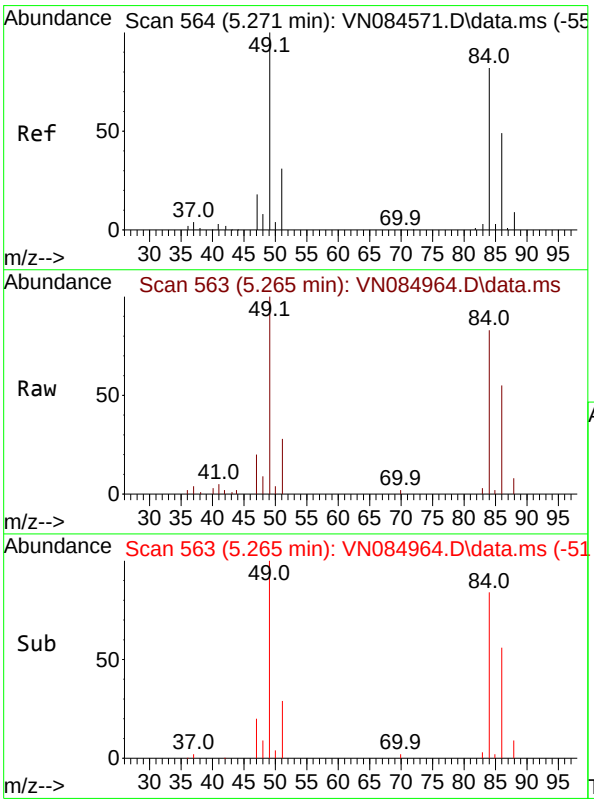
#19
Methyl tert-butyl Ether
Concen: 21.839 ug/l
RT: 5.794 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion: 73 Resp: 114824

Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.7	26.5

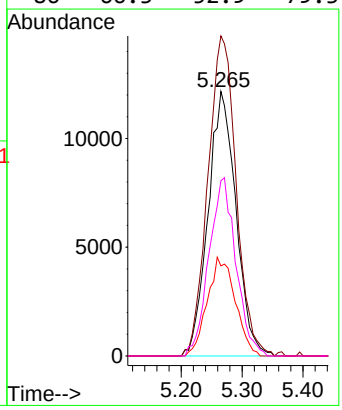


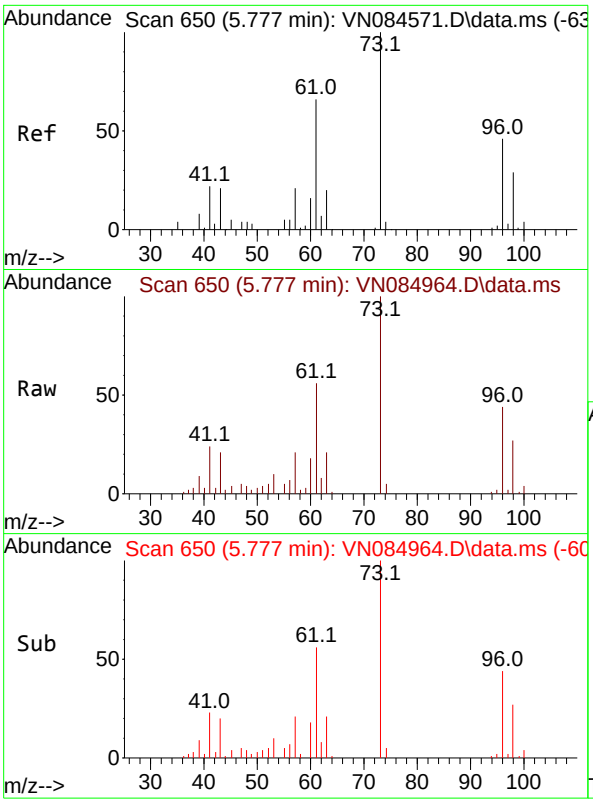


#20
Methylene Chloride
Concen: 20.210 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 84 Resp: 38672

Ion	Ratio	Lower	Upper
84	100		
49	121.0	107.2	160.8
51	34.1	31.8	47.8
86	66.3	52.9	79.3



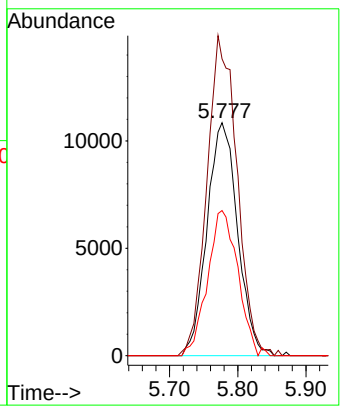


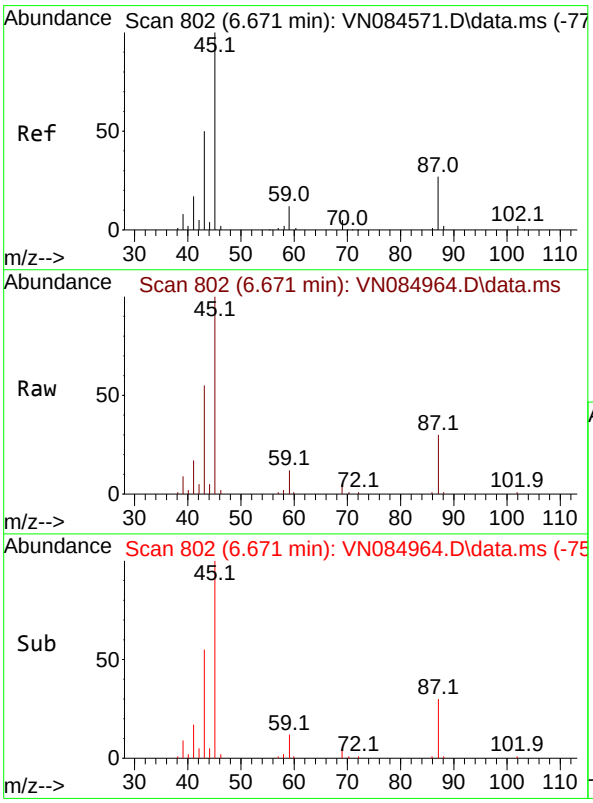
#21
trans-1,2-Dichloroethene
Concen: 19.216 ug/l
RT: 5.777 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion: 96 Resp: 33847

Ion	Ratio	Lower	Upper
96	100		
61	127.3	108.4	162.6
98	62.3	49.8	74.8

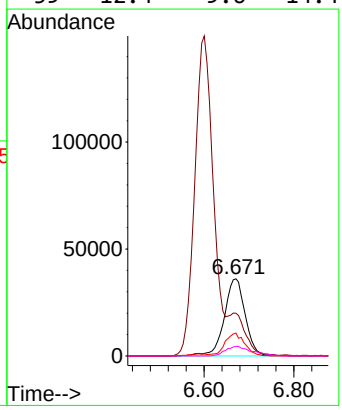


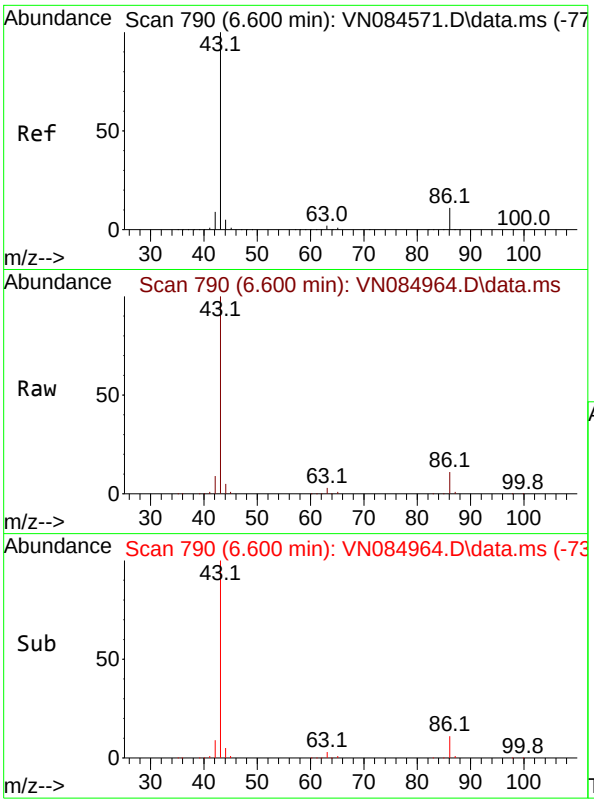


#22
Diisopropyl ether
Concen: 21.141 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 45 Resp: 116859

Ion	Ratio	Lower	Upper
45	100		
43	54.4	42.3	63.5
87	29.7	21.8	32.6
59	12.4	9.6	14.4



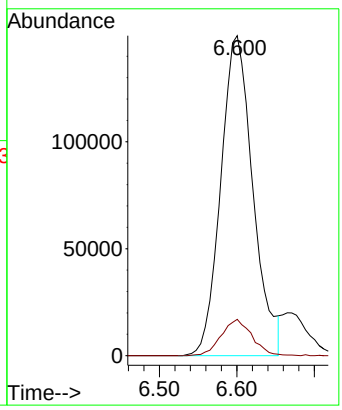


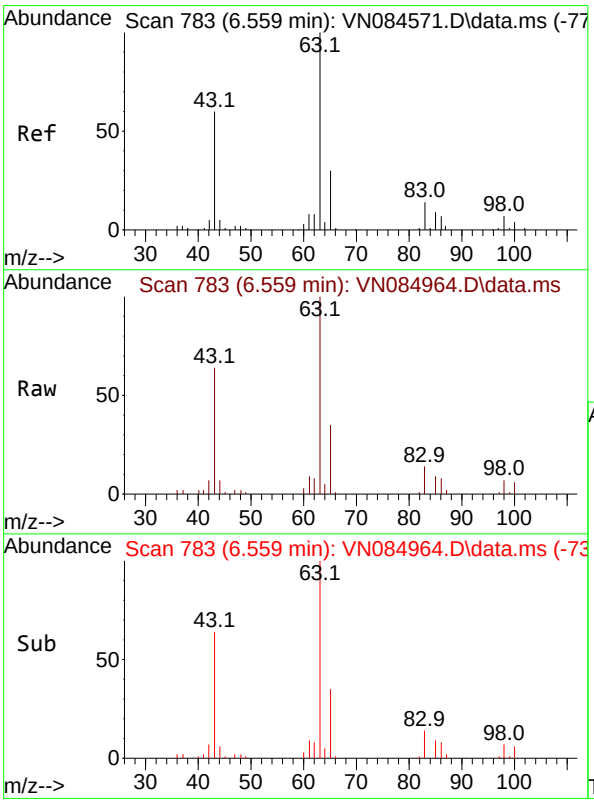
#23
Vinyl Acetate
Concen: 113.548 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion: 43 Resp: 432838

Ion	Ratio	Lower	Upper
43	100		
86	11.3	8.6	12.8

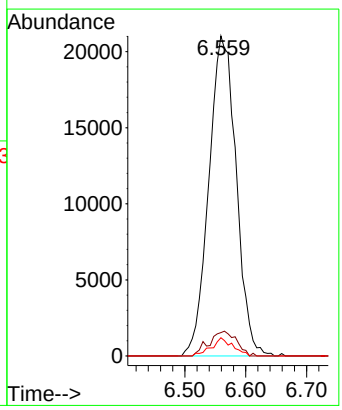


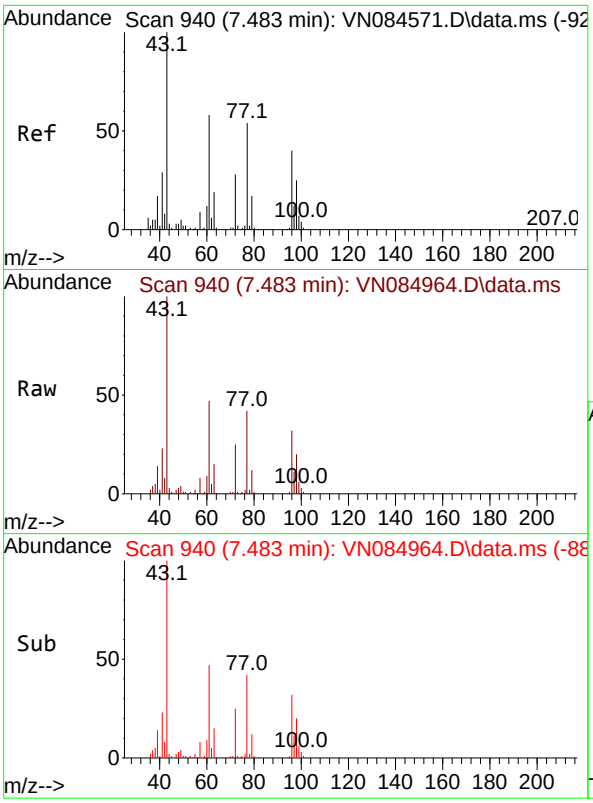


#24
1,1-Dichloroethane
Concen: 19.757 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 63 Resp: 65568

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.2
100	5.7	2.0	5.8



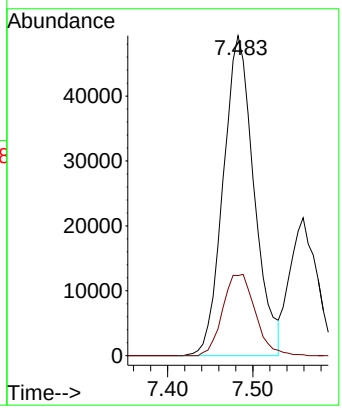


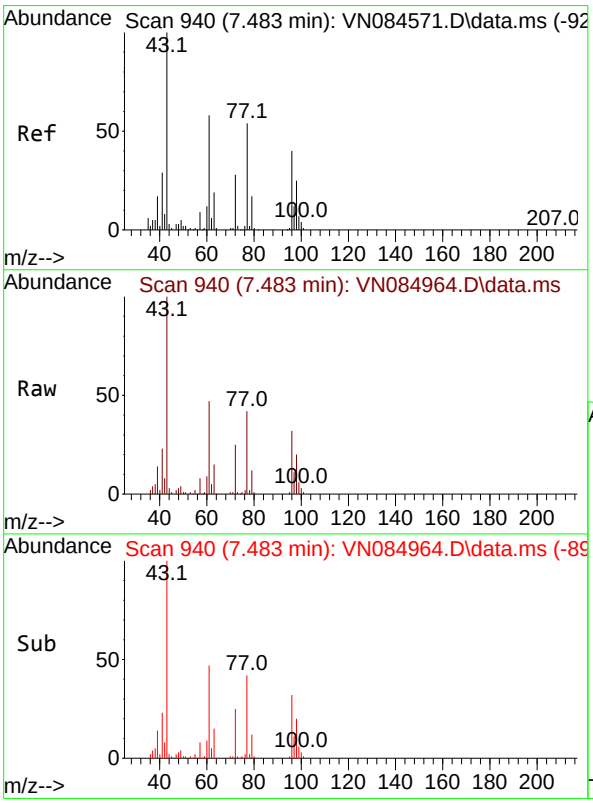
#25
2-Butanone
Concen: 122.382 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion: 43 Resp: 124217

Ion	Ratio	Lower	Upper
43	100		
72	25.1	21.4	32.2

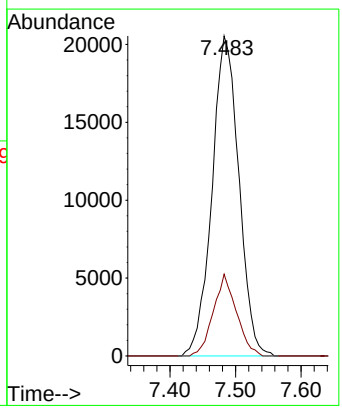


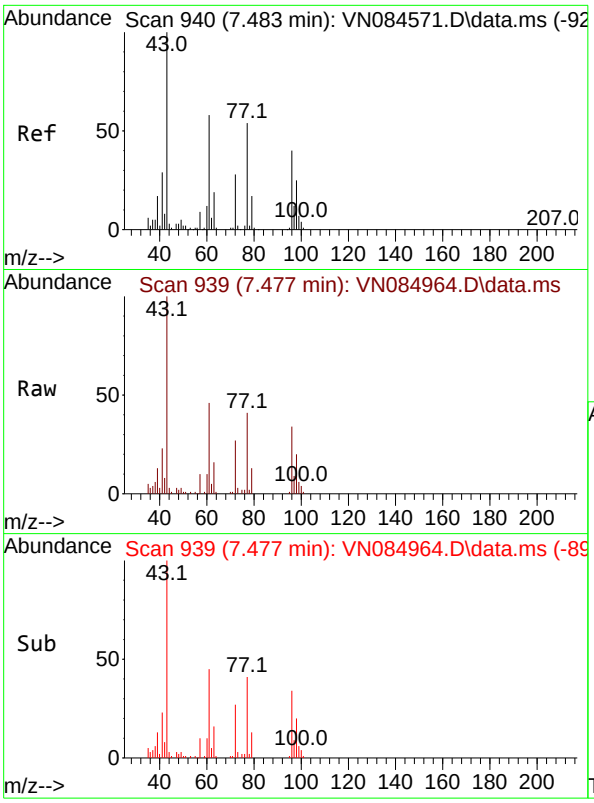


#26
2,2-Dichloropropane
Concen: 20.214 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 77 Resp: 58388

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.8	32.3



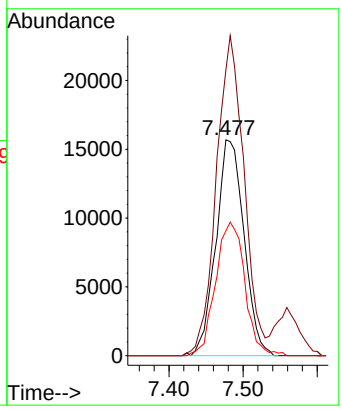


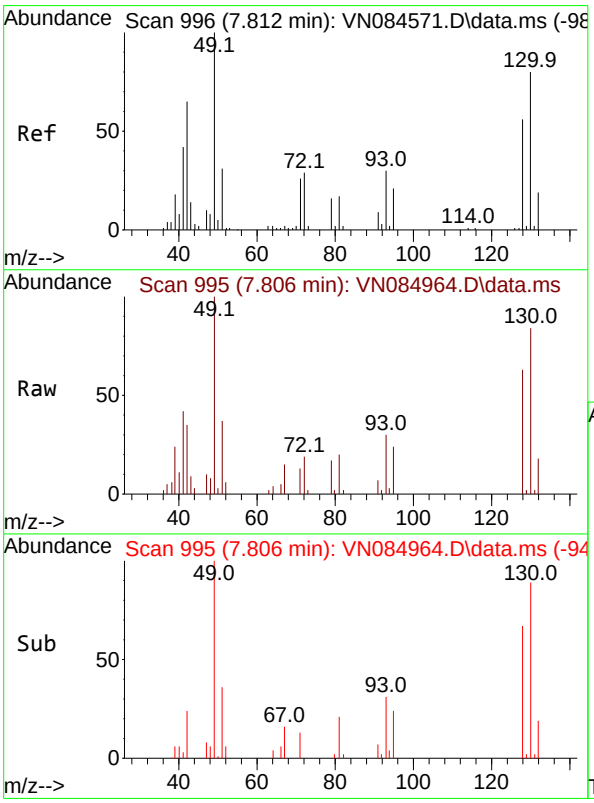
#27
cis-1,2-Dichloroethene
Concen: 20.114 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.012 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion: 96 Resp: 41367

Ion	Ratio	Lower	Upper
96	100		
61	145.7	0.0	301.8
98	64.2	0.0	128.2

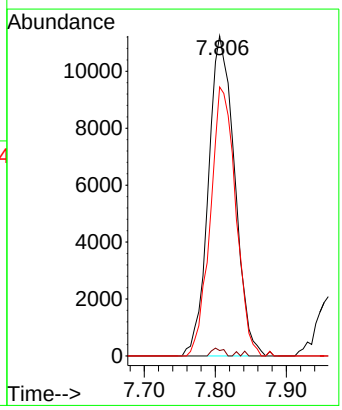


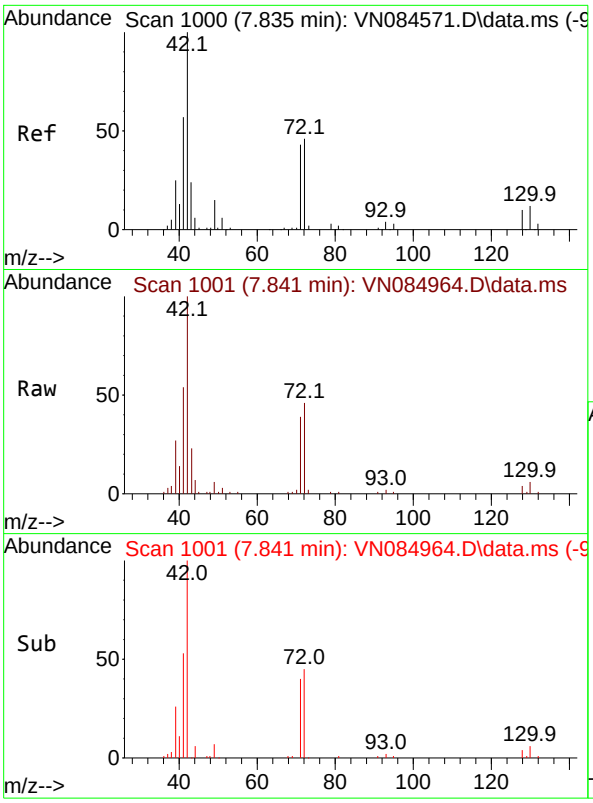


#28
Bromochloromethane
Concen: 21.817 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 49 Resp: 28846

Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.6
130	81.1	58.0	87.0



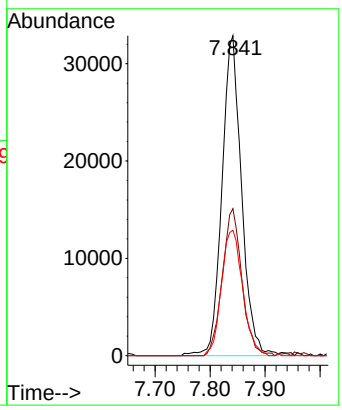


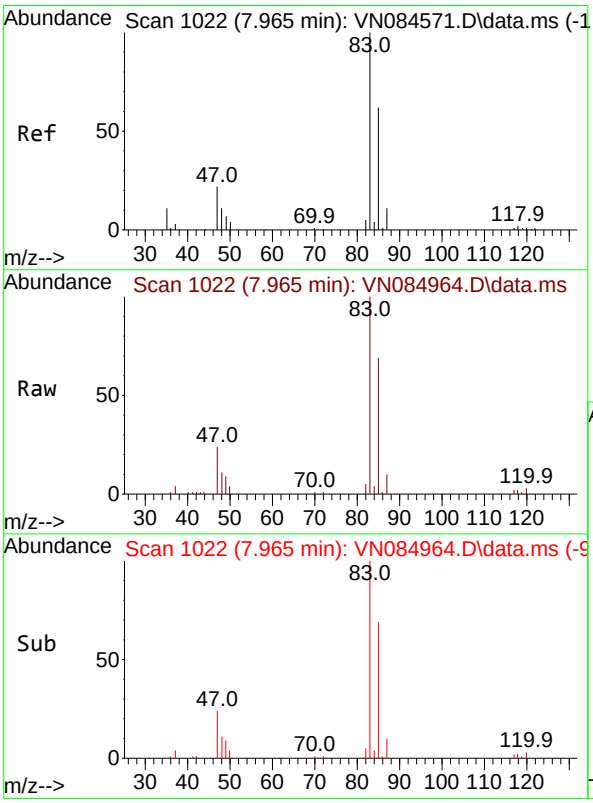
#29
Tetrahydrofuran
Concen: 120.782 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion: 42 Resp: 81330

Ion	Ratio	Lower	Upper
42	100		
72	45.8	34.6	51.8
71	42.4	32.2	48.4

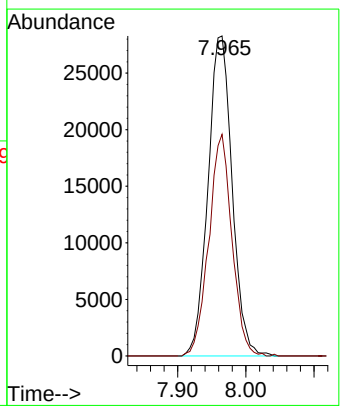


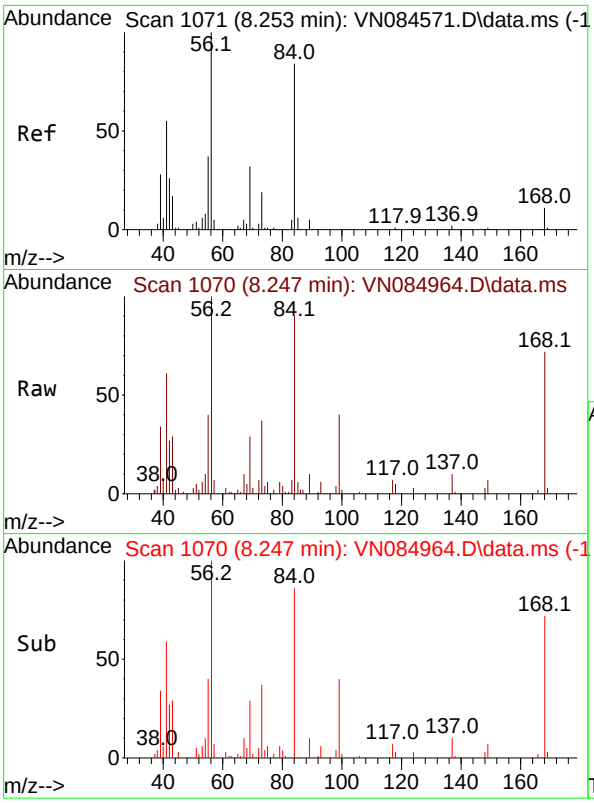


#30
Chloroform
Concen: 20.634 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 83 Resp: 69698

Ion	Ratio	Lower	Upper
83	100		
85	69.3	51.0	76.4



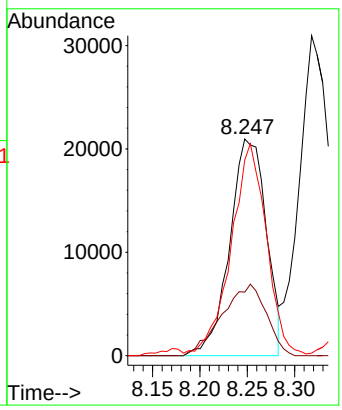


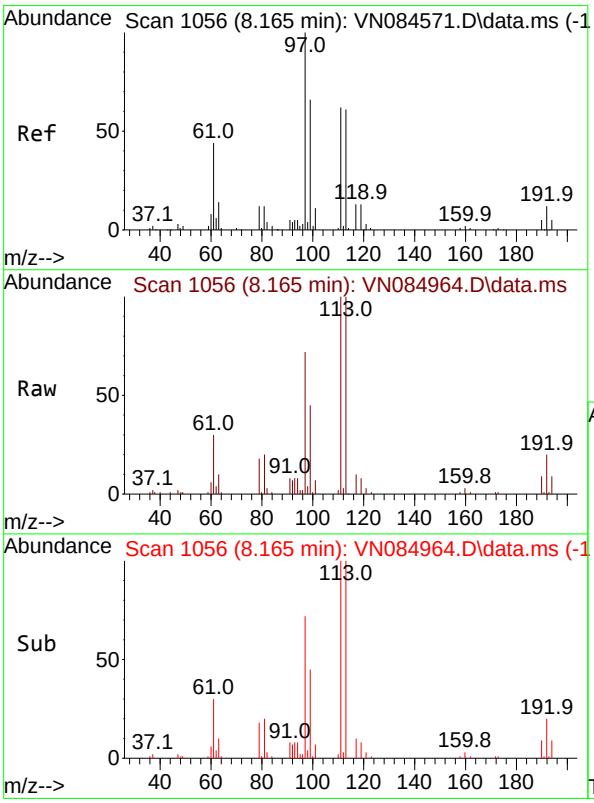
#31
Cyclohexane
Concen: 18.794 ug/l
RT: 8.247 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion: 56 Resp: 56449

Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.8	35.6
84	87.3	68.8	103.2

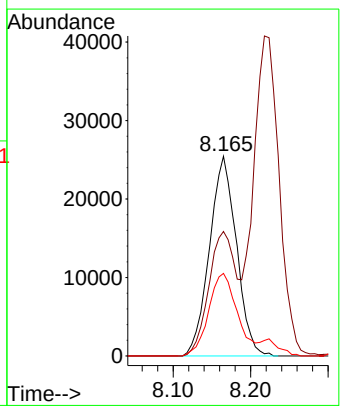


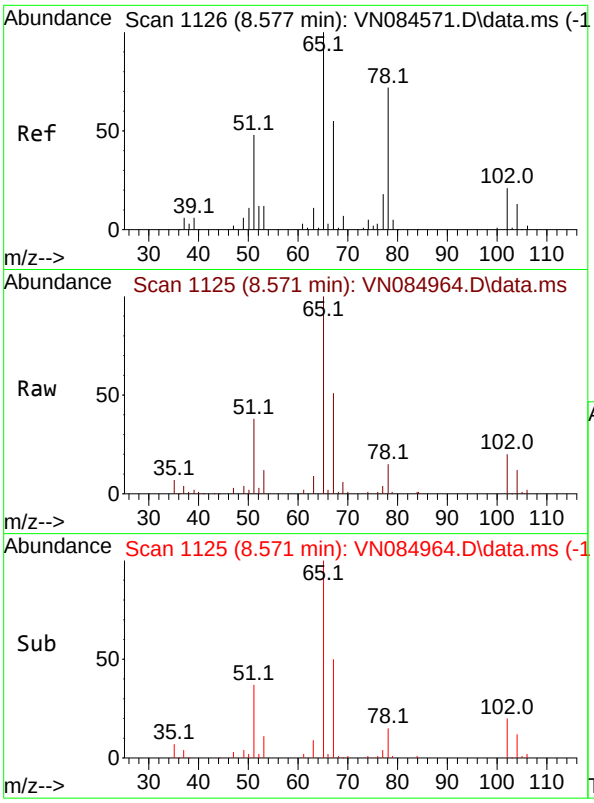


#32
1,1,1-Trichloroethane
Concen: 20.005 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 97 Resp: 61504

Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.2	76.8
61	43.9	37.5	56.3



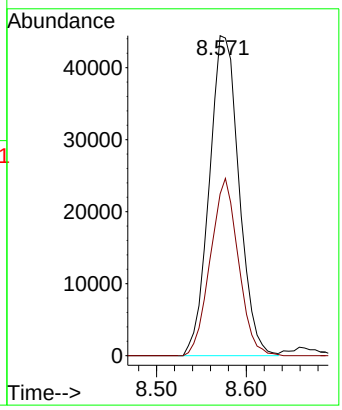


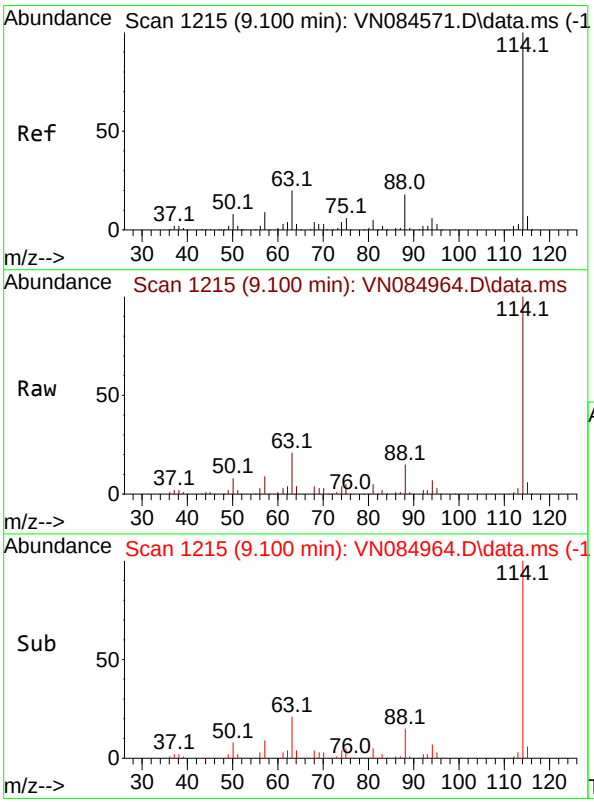
#33
1,2-Dichloroethane-d4
Concen: 46.923 ug/l
RT: 8.571 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion: 65 Resp: 102086

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	102.0

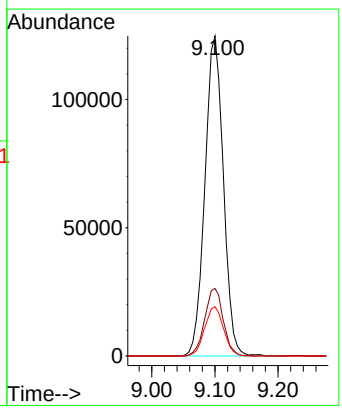


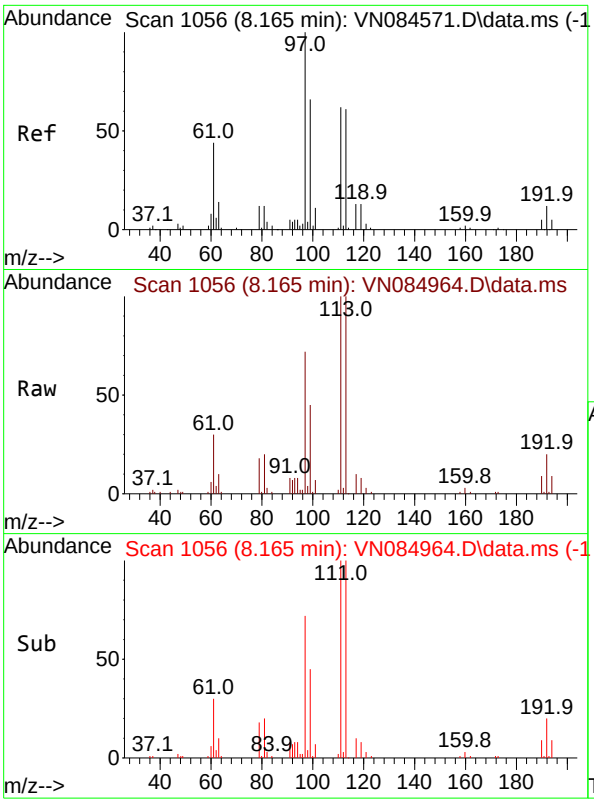


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:114 Resp: 253557

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	43.8
88	15.4	0.0	31.6



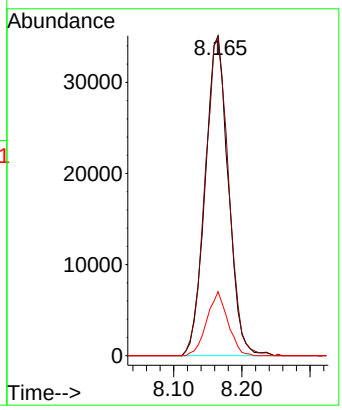


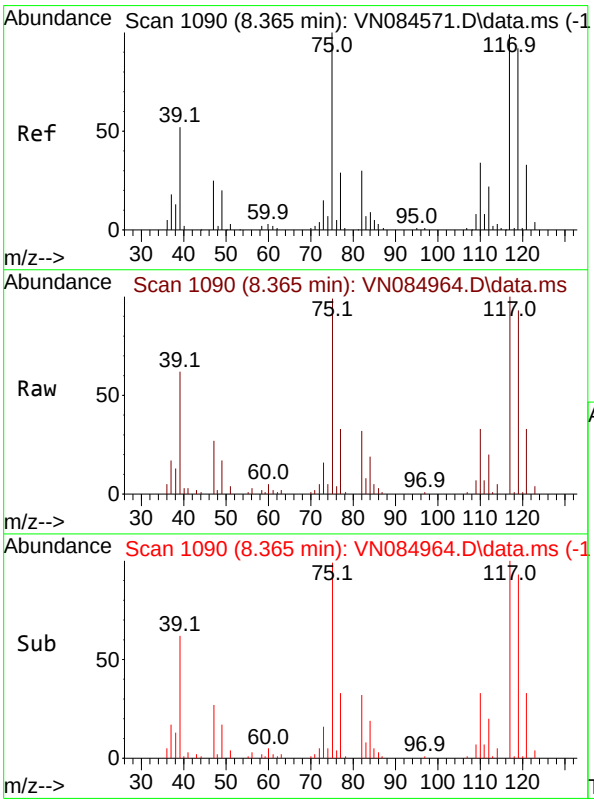
#35
Dibromofluoromethane
Concen: 48.295 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion:113 Resp: 82888

Ion	Ratio	Lower	Upper
113	100		
111	101.3	83.3	124.9
192	18.2	13.5	20.3

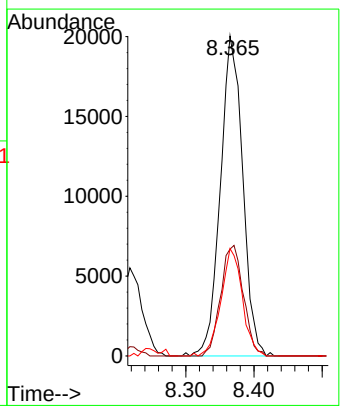


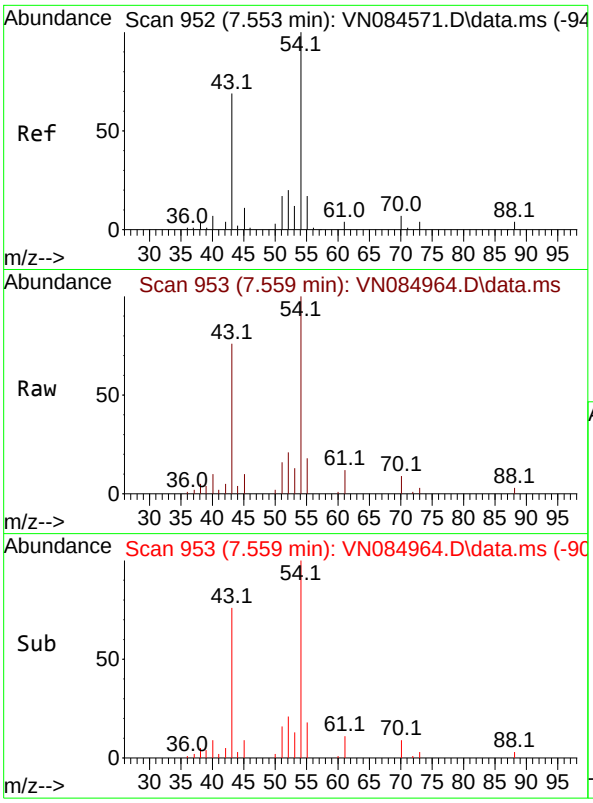


#36
1,1-Dichloropropene
Concen: 19.205 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 75 Resp: 45714

Ion	Ratio	Lower	Upper
75	100		
110	35.1	16.9	50.7
77	32.2	24.7	37.1



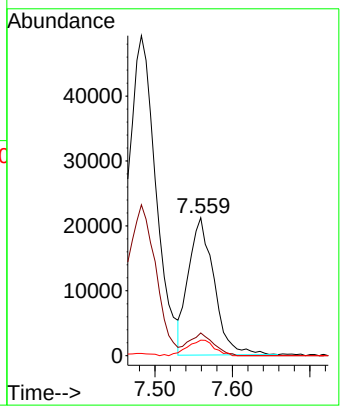


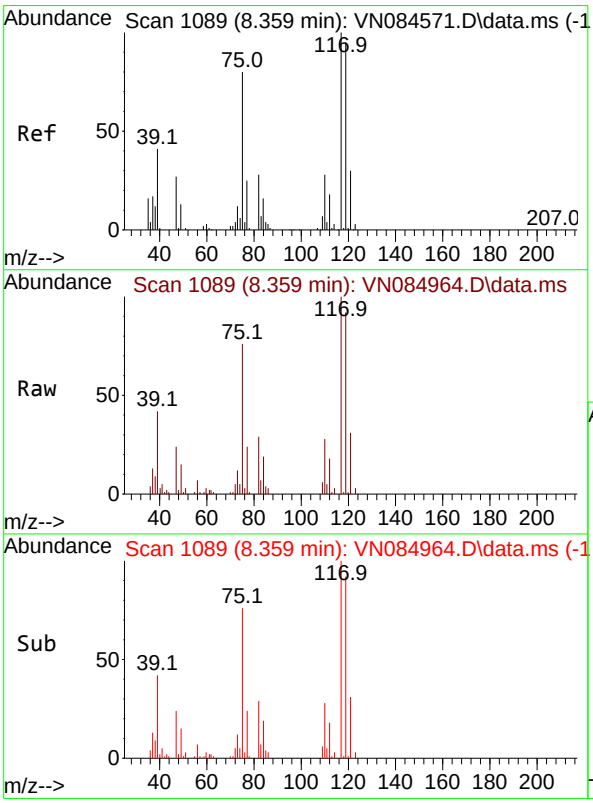
#37
Ethyl Acetate
Concen: 22.479 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion: 43 Resp: 48545

Ion	Ratio	Lower	Upper
43	100		
61	16.0	10.7	16.1
70	11.9	8.8	13.2

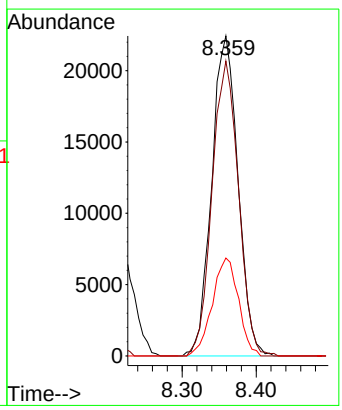


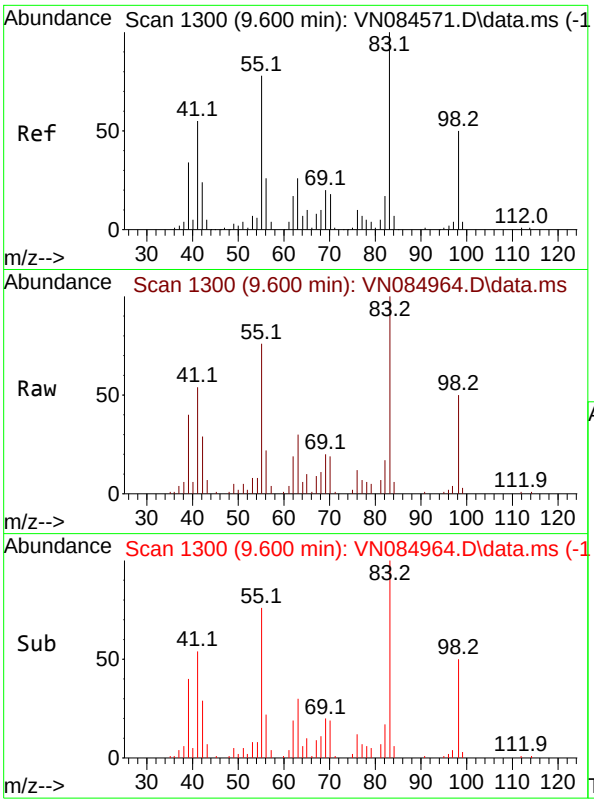


#38
Carbon Tetrachloride
Concen: 20.767 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:117 Resp: 55251

Ion	Ratio	Lower	Upper
117	100		
119	92.2	78.7	118.1
121	30.6	24.4	36.6



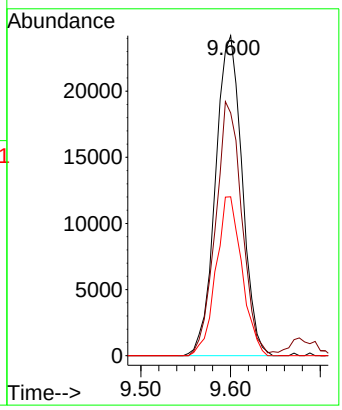


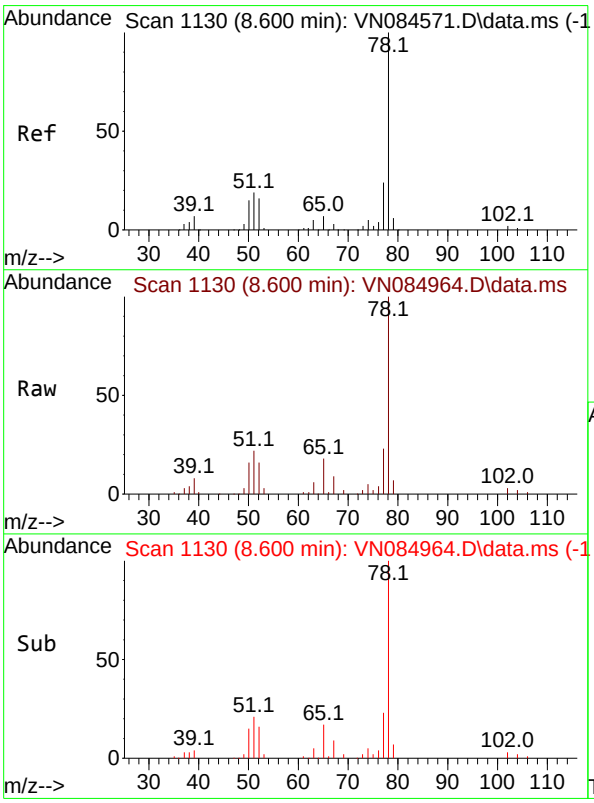
#39
Methylcyclohexane
Concen: 20.595 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion: 83 Resp: 49871

Ion	Ratio	Lower	Upper
83	100		
55	75.9	62.8	94.2
98	49.6	38.8	58.2

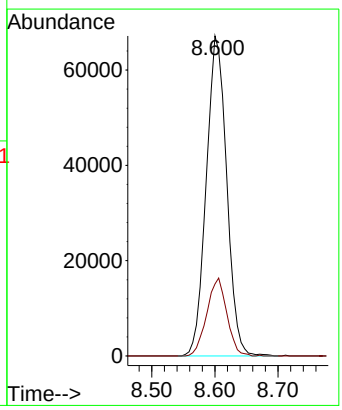


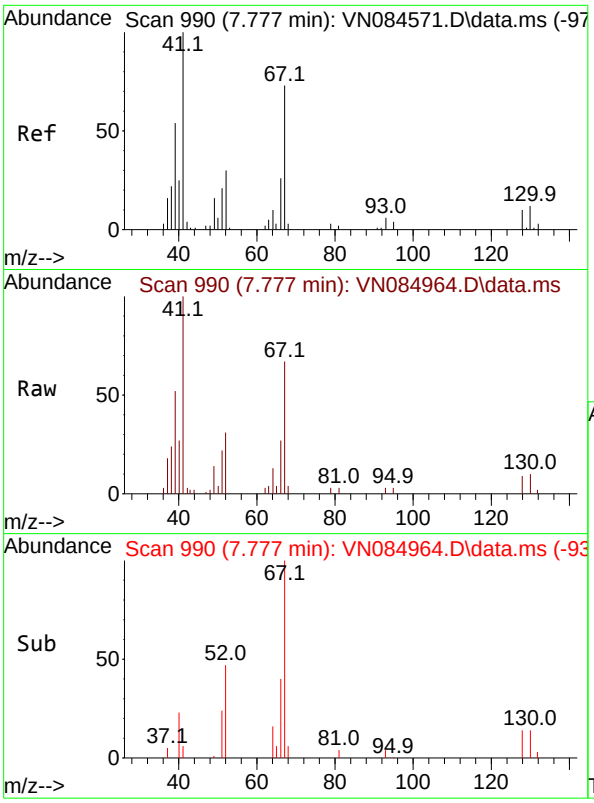


#40
Benzene
Concen: 19.761 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 78 Resp: 151055

Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.1	28.7



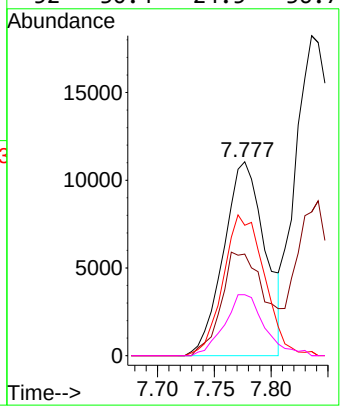


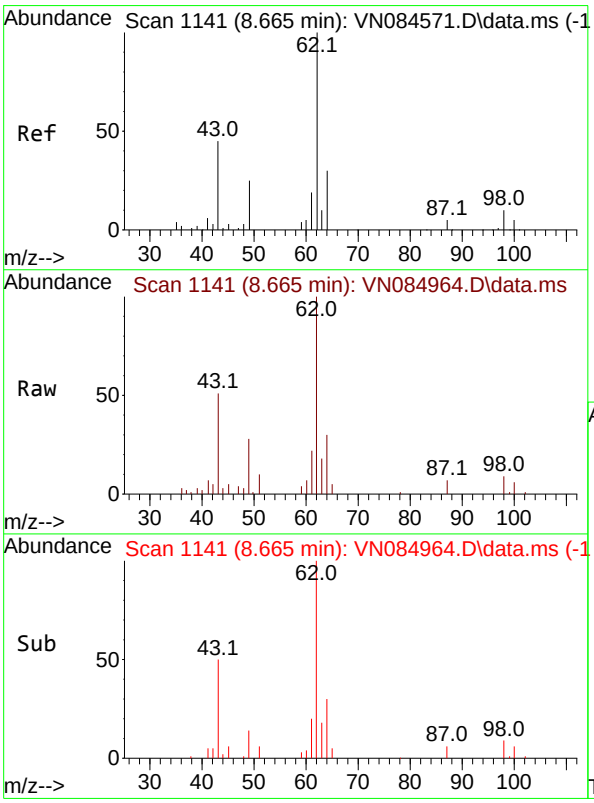
#41
Methacrylonitrile
Concen: 24.151 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion: 41 Resp: 28047

Ion	Ratio	Lower	Upper
41	100		
39	55.7	43.3	64.9
67	72.3	56.1	84.1
52	30.4	24.5	36.7

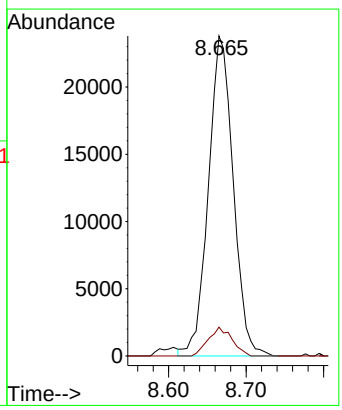


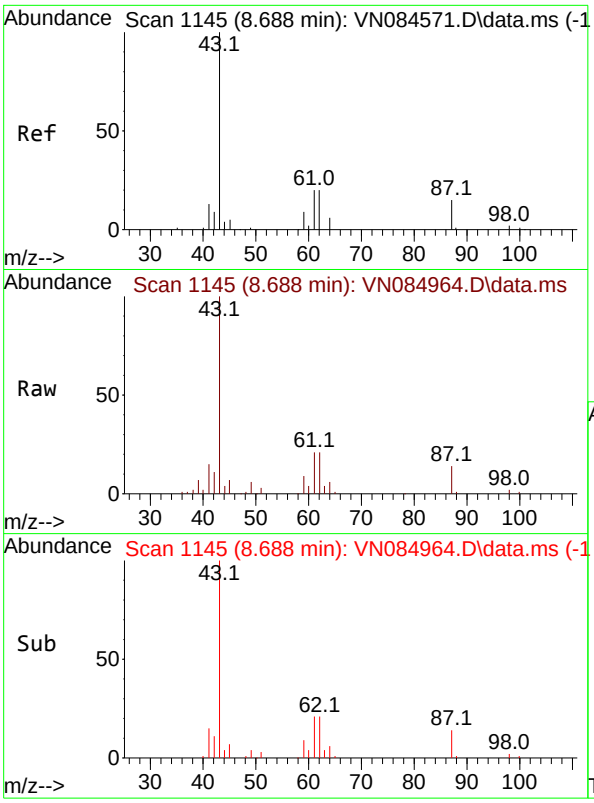


#42
1,2-Dichloroethane
Concen: 21.400 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 62 Resp: 52979

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.2



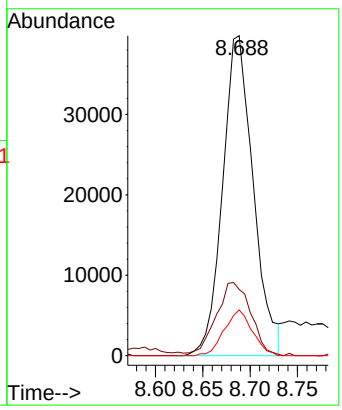


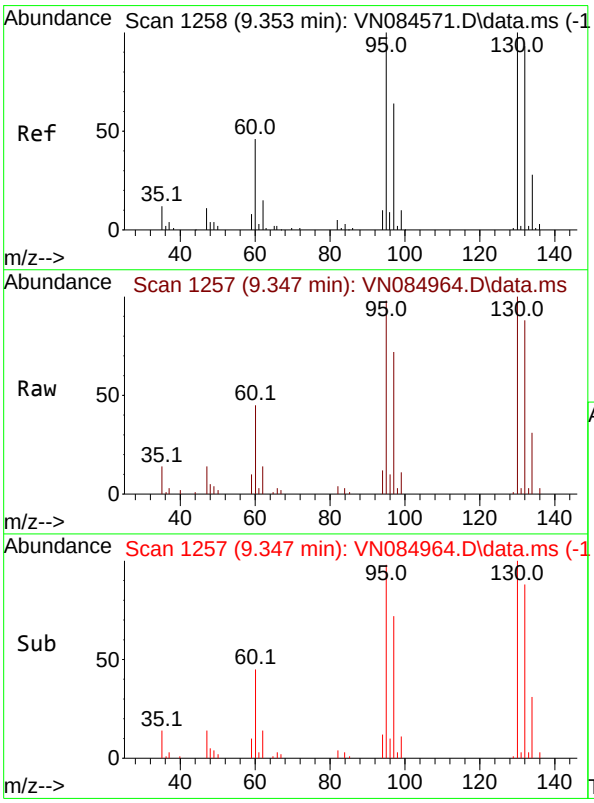
#43
Isopropyl Acetate
Concen: 21.919 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion: 43 Resp: 89614

Ion	Ratio	Lower	Upper
43	100		
61	25.8	20.4	30.6
87	13.1	10.3	15.5

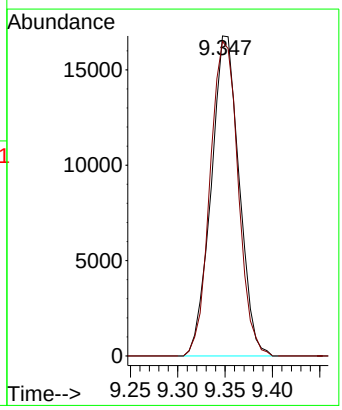


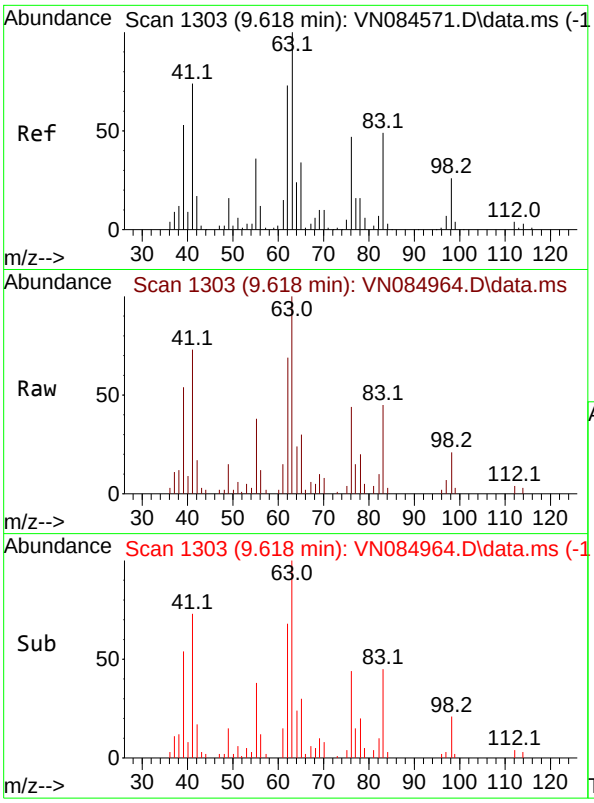


#44
Trichloroethene
Concen: 19.552 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:130 Resp: 34468

Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	203.0



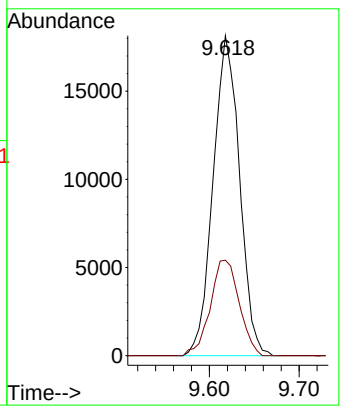


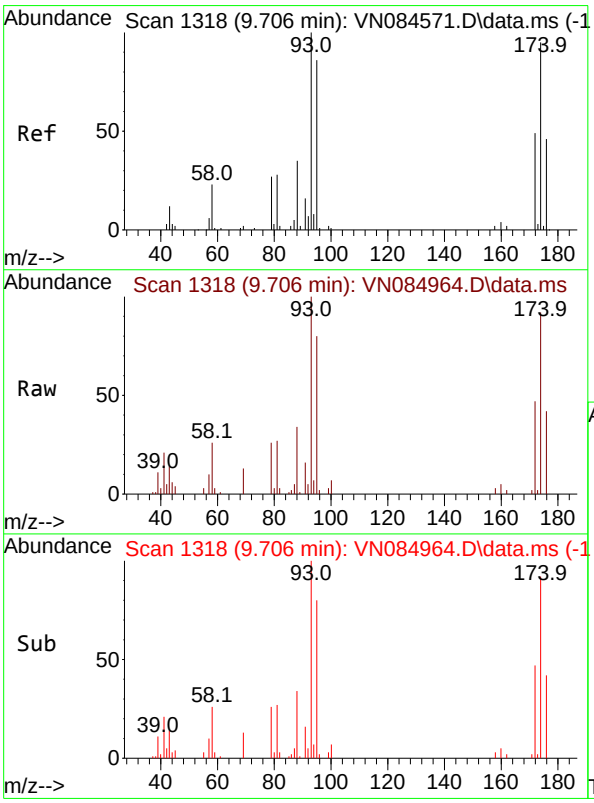
#45
1,2-Dichloropropane
Concen: 20.684 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion: 63 Resp: 37090

Ion	Ratio	Lower	Upper
63	100		
65	29.8	24.6	37.0

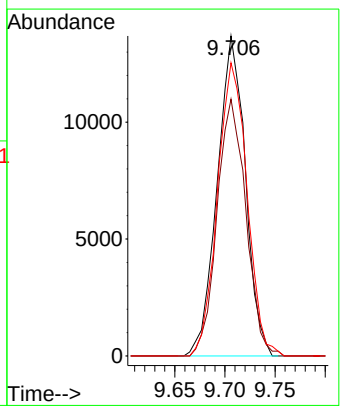


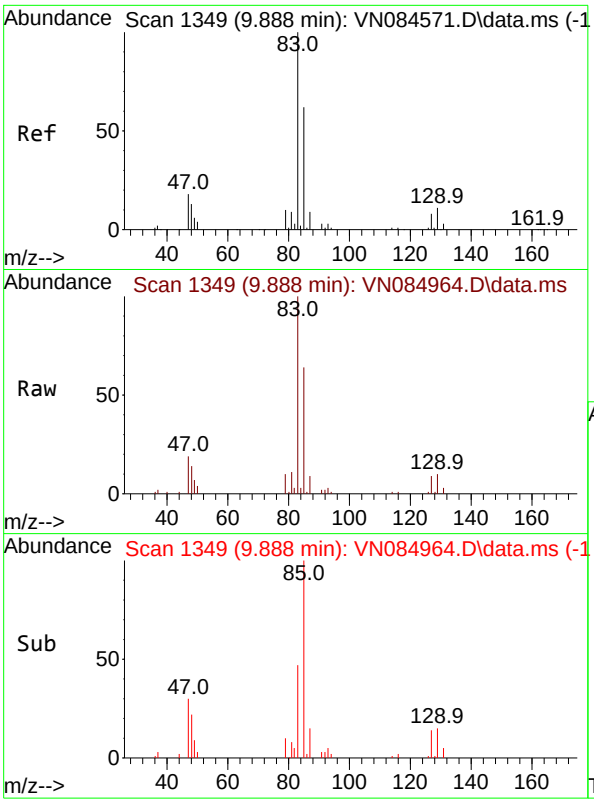


#46
Dibromomethane
Concen: 21.059 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 93 Resp: 26646

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.0	97.4
174	96.2	71.8	107.8



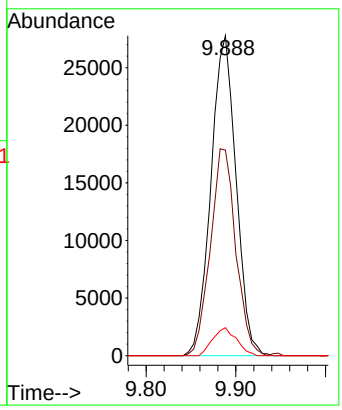


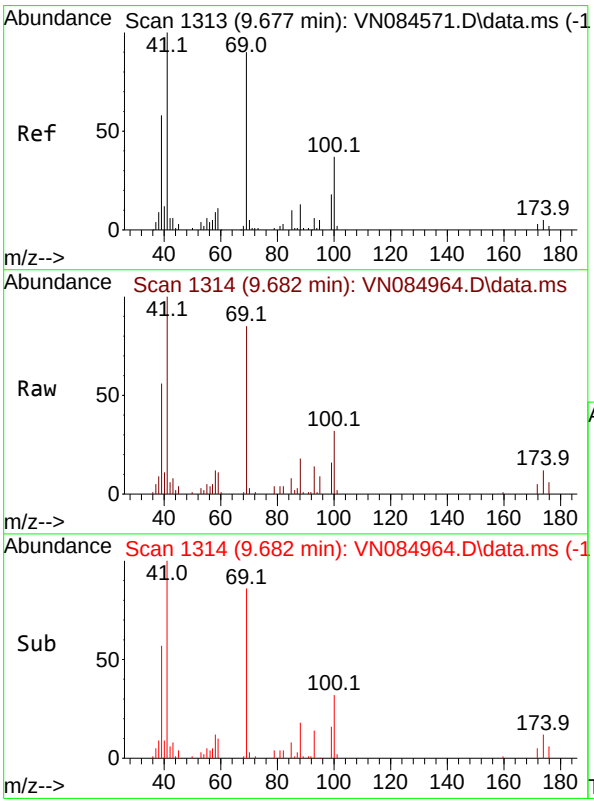
#47
Bromodichloromethane
Concen: 20.241 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion: 83 Resp: 53986

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.5	77.3
127	8.8	5.7	8.5#

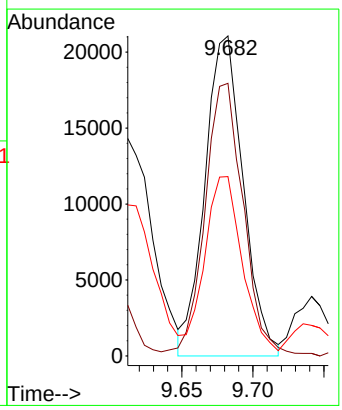


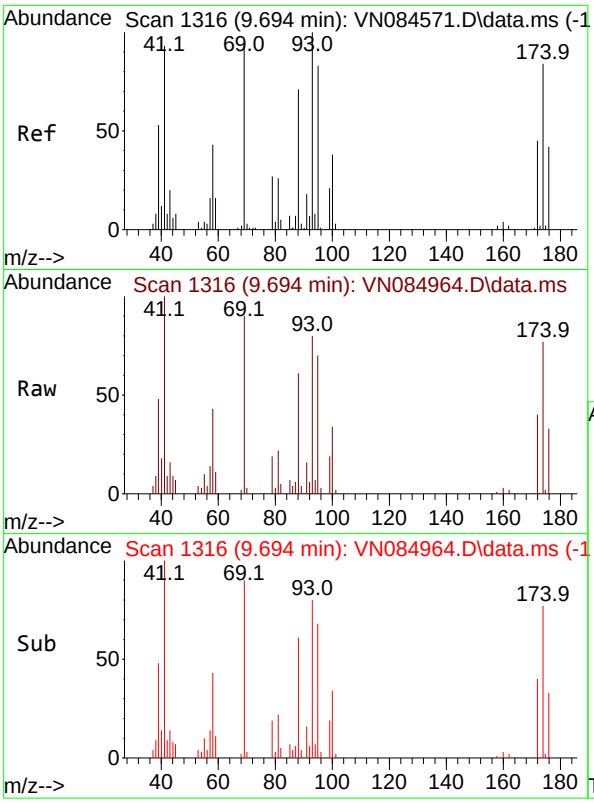


#48
Methyl methacrylate
Concen: 23.508 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 41 Resp: 39511

Ion	Ratio	Lower	Upper
41	100		
69	85.8	67.1	100.7
39	56.3	45.8	68.6



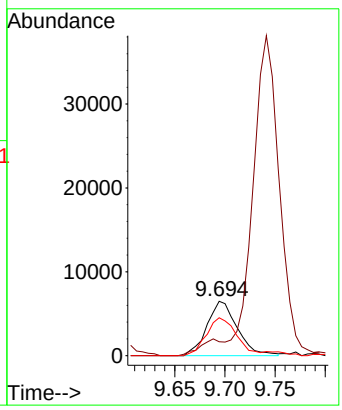


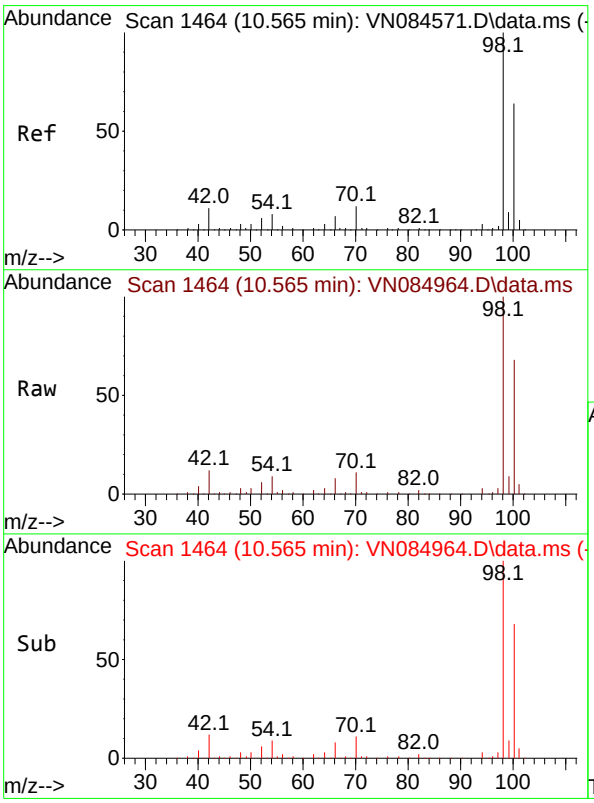
#49
1,4-Dioxane
Concen: 458.199 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion: 88 Resp: 13647

Ion	Ratio	Lower	Upper
88	100		
43	24.6	25.3	37.9#
58	69.5	56.4	84.6

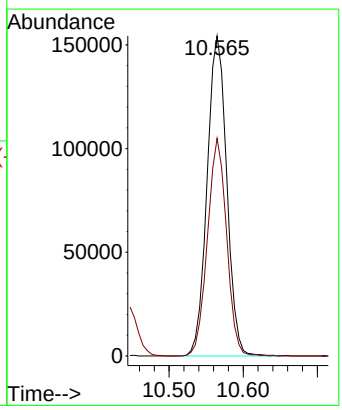


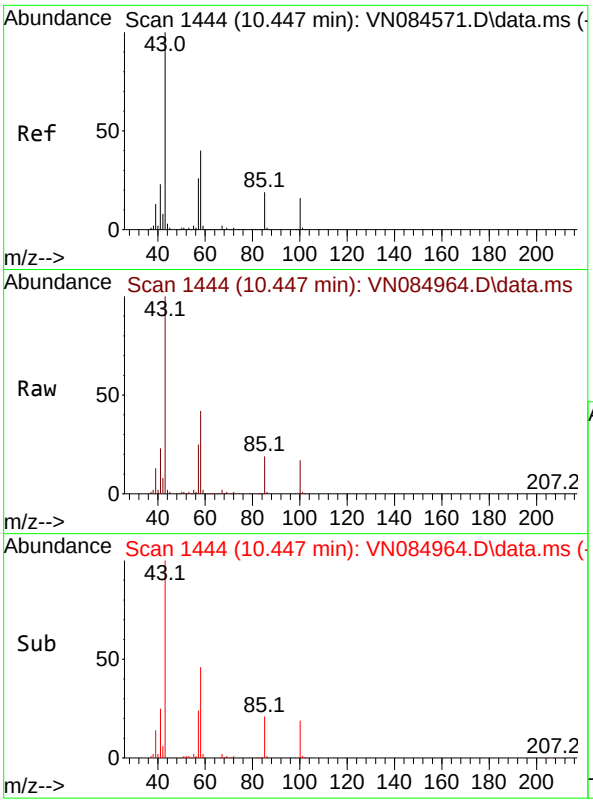


#50
Toluene-d8
Concen: 44.890 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 98 Resp: 283802

Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.7	79.1



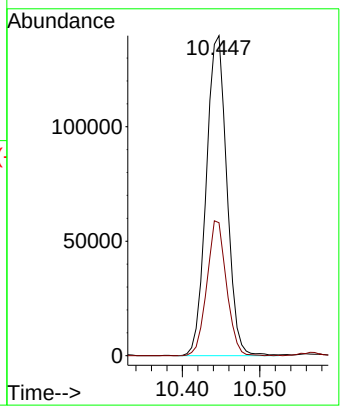


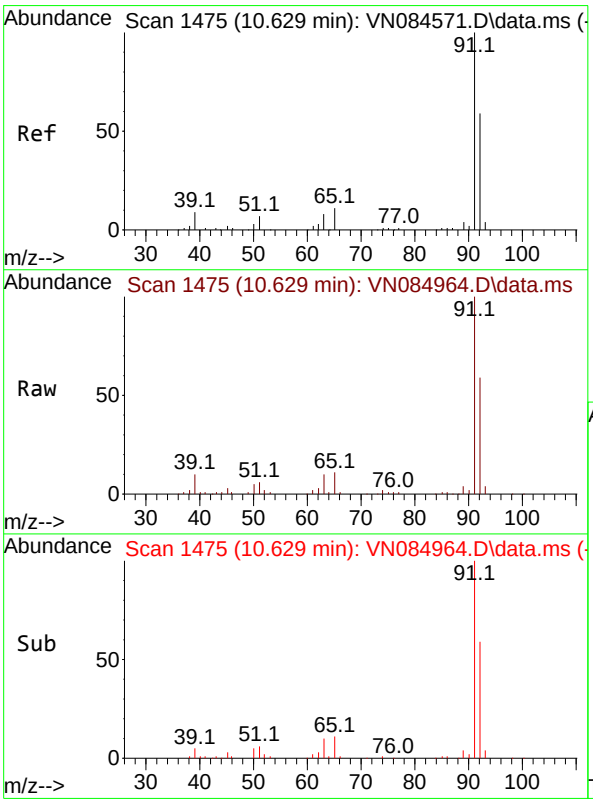
#51
4-Methyl-2-Pentanone
Concen: 125.092 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion: 43 Resp: 257532

Ion	Ratio	Lower	Upper
43	100		
58	40.2	31.6	47.4

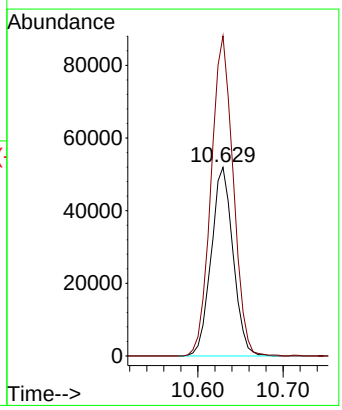


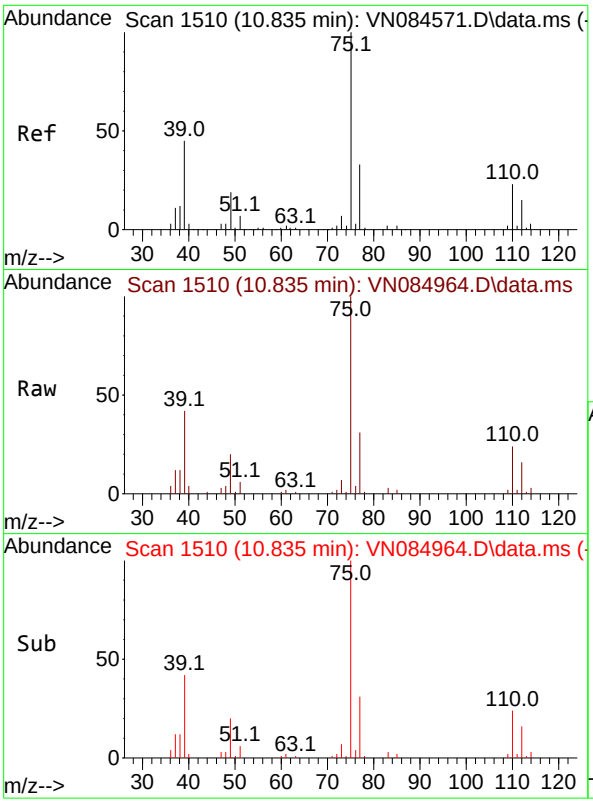


#52
Toluene
Concen: 20.695 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 92 Resp: 92522

Ion	Ratio	Lower	Upper
92	100		
91	172.0	137.3	205.9



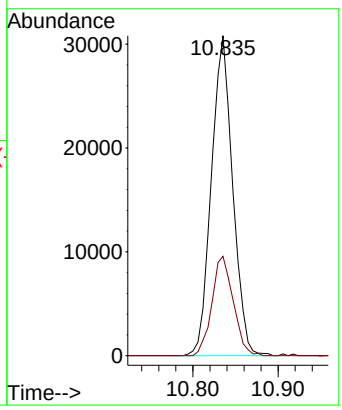


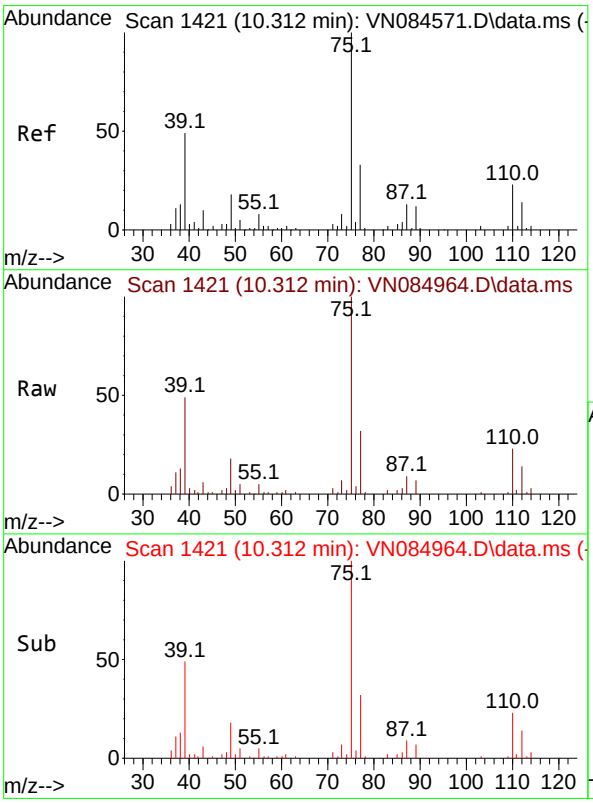
#53
t-1,3-Dichloropropene
Concen: 19.376 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion: 75 Resp: 53494

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.4	38.0

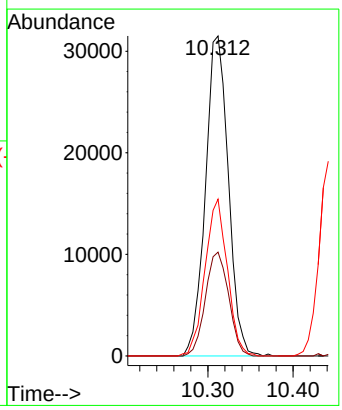


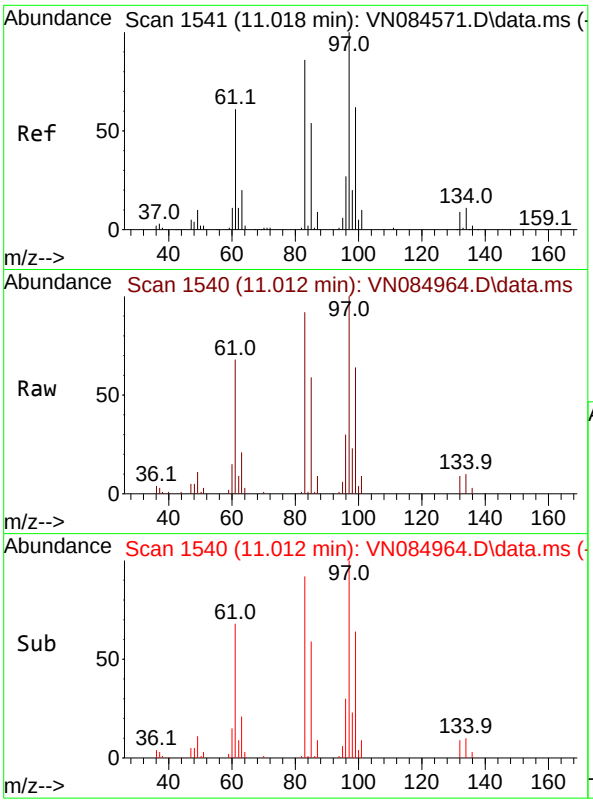


#54
cis-1,3-Dichloropropene
Concen: 20.179 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 75 Resp: 58965

Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.2	36.2
39	49.0	38.7	58.1



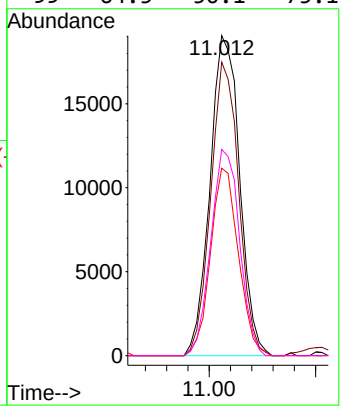


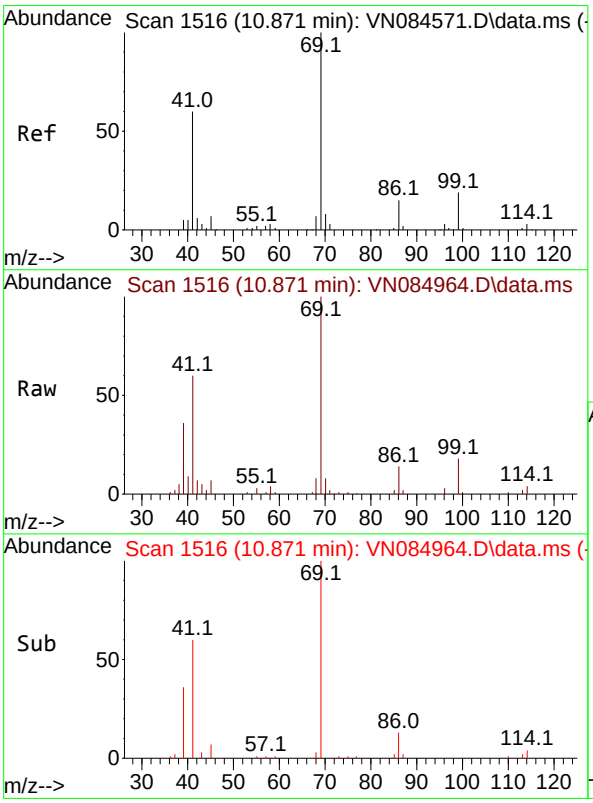
#55
1,1,2-Trichloroethane
Concen: 21.853 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion: 97 Resp: 36801

Ion	Ratio	Lower	Upper
97	100		
83	91.7	71.0	106.4
85	58.6	41.7	62.5
99	64.5	50.1	75.1

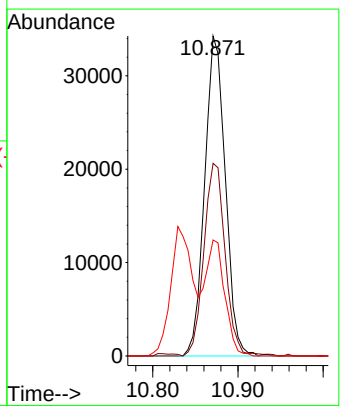


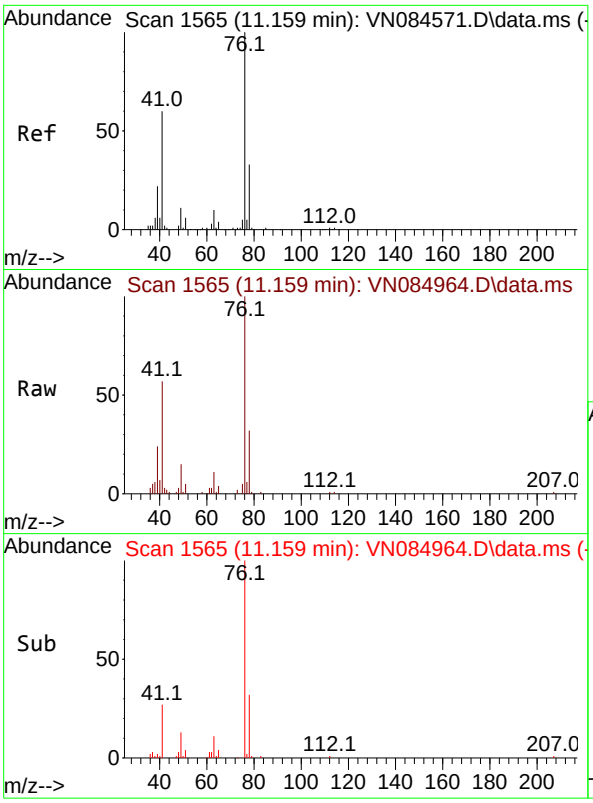


#56
Ethyl methacrylate
Concen: 23.685 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 69 Resp: 57695

Ion	Ratio	Lower	Upper
69	100		
41	62.2	53.3	79.9
39	34.7	28.8	43.2



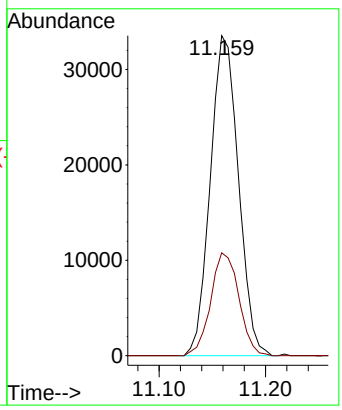


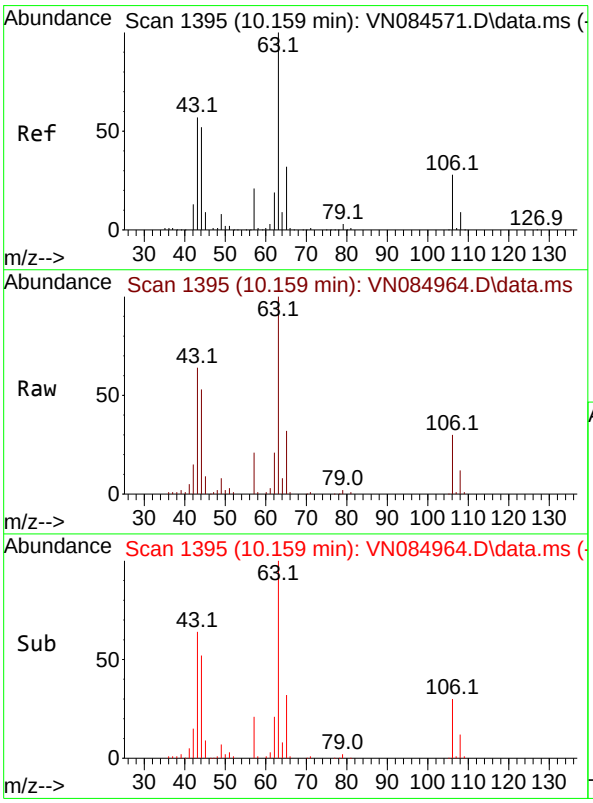
#57
1,3-Dichloropropane
Concen: 21.260 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion: 76 Resp: 61447

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

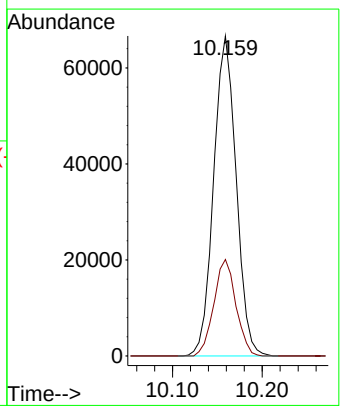


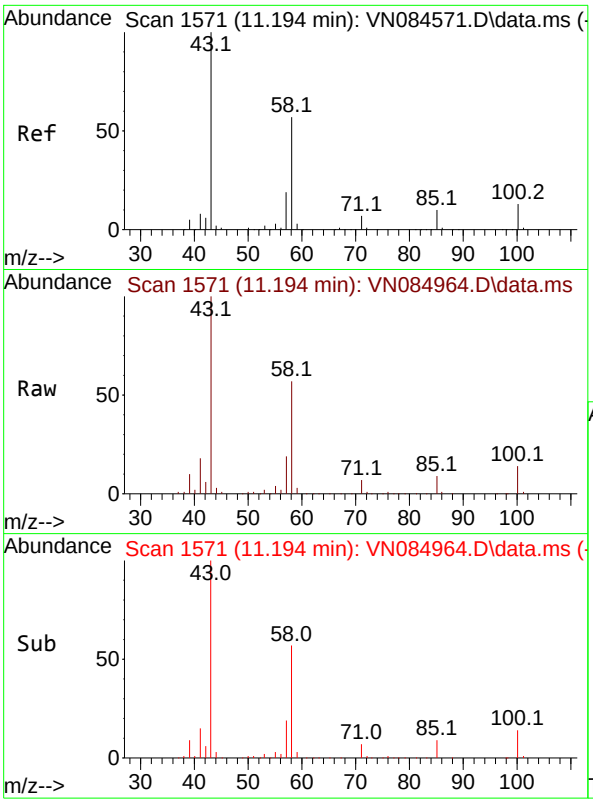


#58
2-Chloroethyl Vinyl ether
Concen: 101.699 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 63 Resp: 115920

Ion	Ratio	Lower	Upper
63	100		
106	29.6	21.8	32.6



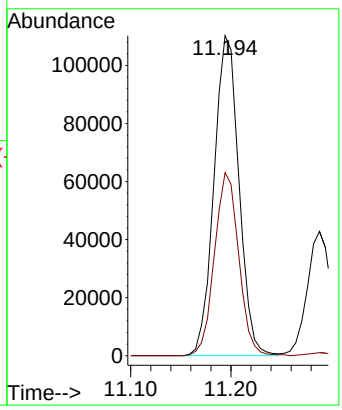


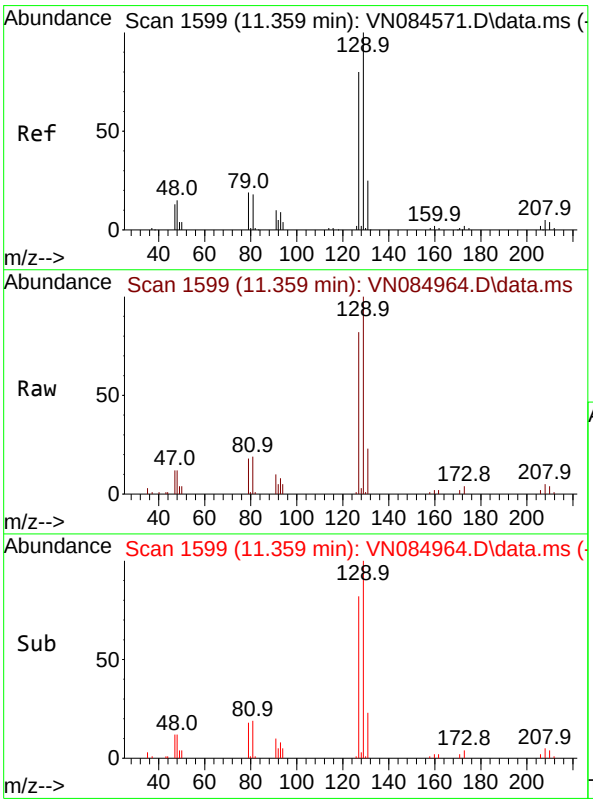
#59
2-Hexanone
Concen: 127.150 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion: 43 Resp: 190538

Ion	Ratio	Lower	Upper
43	100		
58	55.5	27.3	81.8

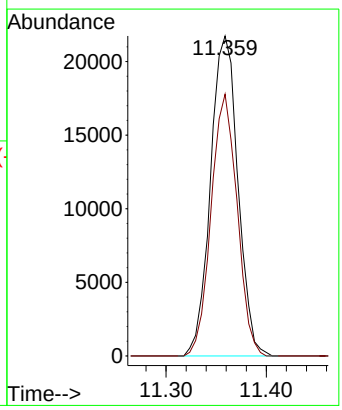


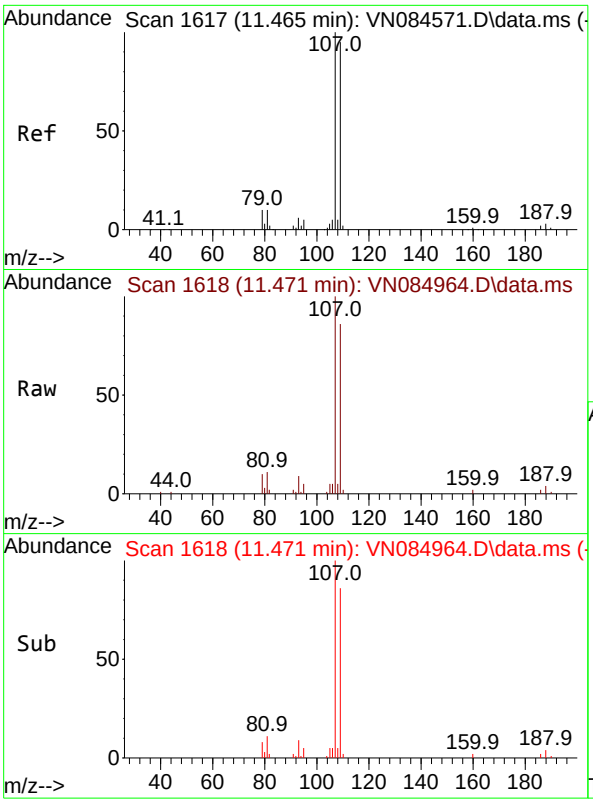


#60
Dibromochloromethane
Concen: 21.489 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:129 Resp: 41243

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.3	114.9



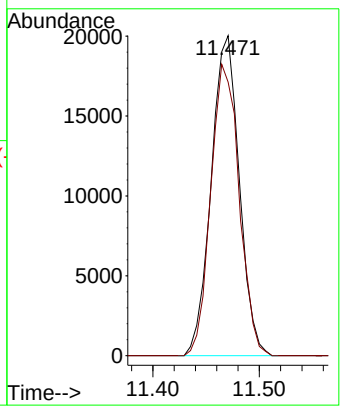


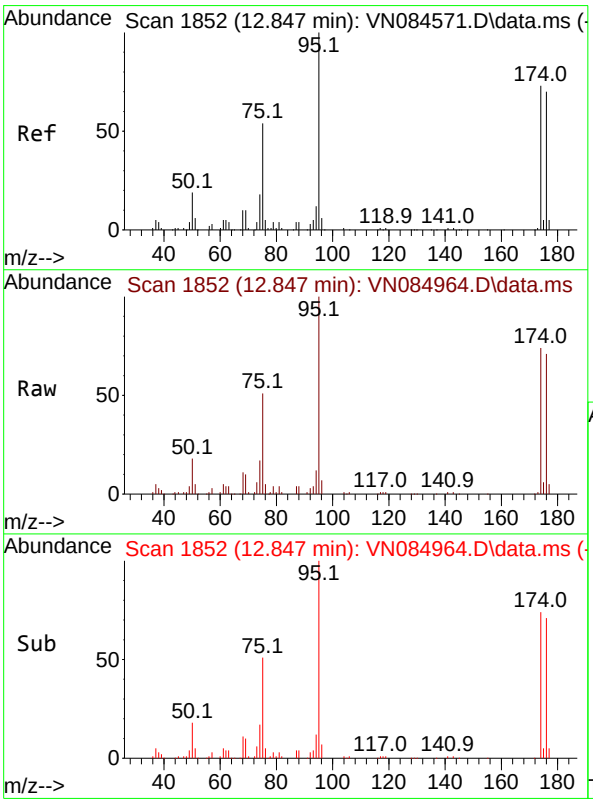
#61
1,2-Dibromoethane
Concen: 21.265 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion:107 Resp: 36672

Ion	Ratio	Lower	Upper
107	100		
109	92.1	75.4	113.0

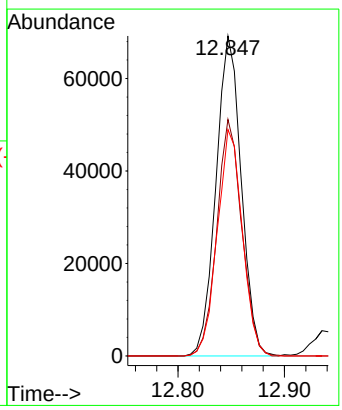


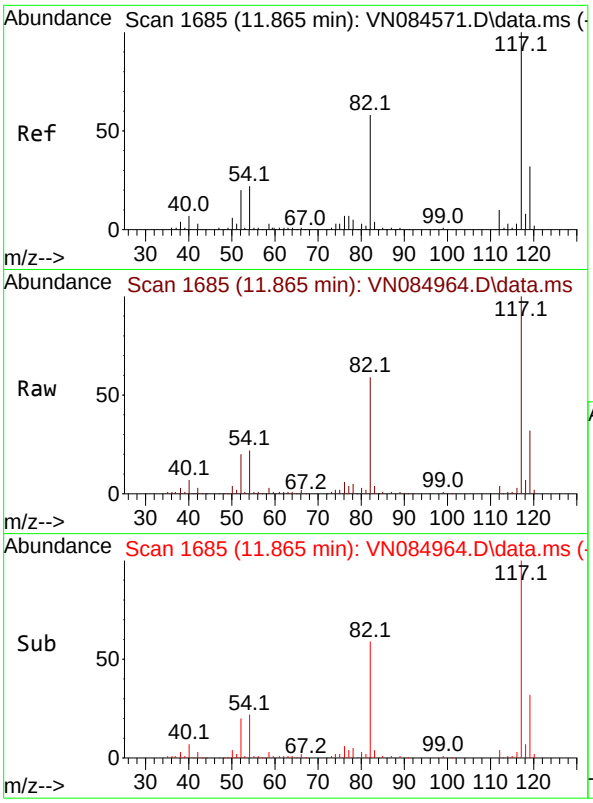


#62
4-Bromofluorobenzene
Concen: 48.183 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 95 Resp: 113847

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	145.2
176	70.2	0.0	140.0



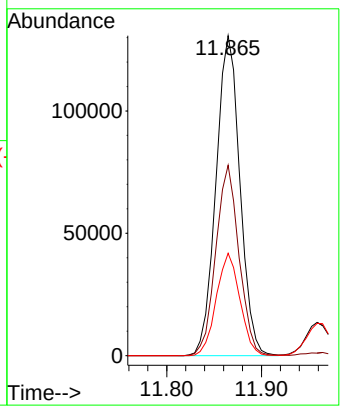


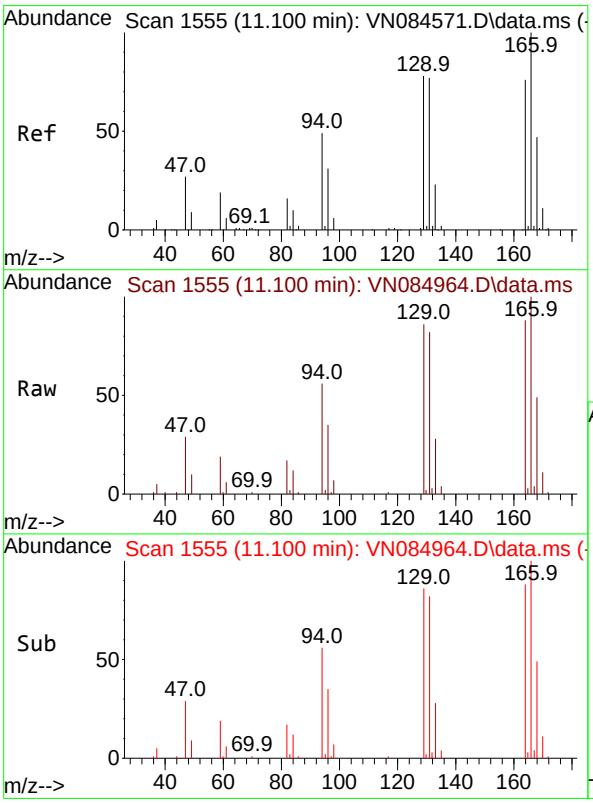
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion:117 Resp: 229692

Ion	Ratio	Lower	Upper
117	100		
82	59.5	47.2	70.8
119	32.0	25.4	38.0

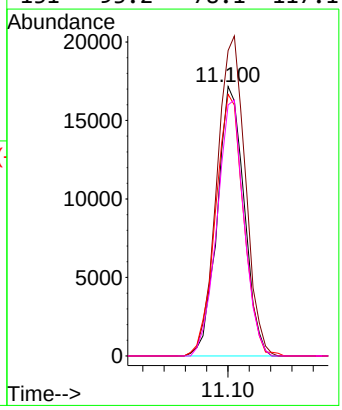


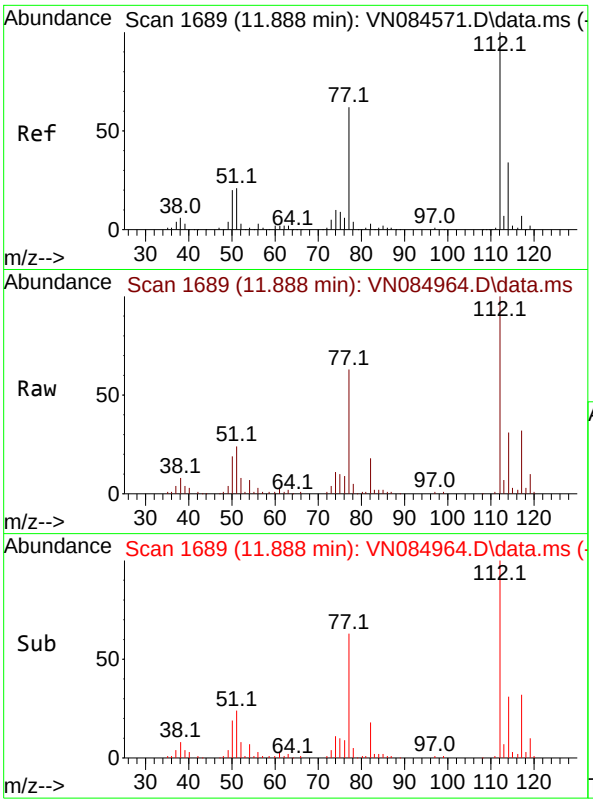


#64
Tetrachloroethene
Concen: 19.699 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:164 Resp: 30097

Ion	Ratio	Lower	Upper
164	100		
166	113.4	101.0	151.4
129	97.1	80.8	121.2
131	93.2	78.1	117.1



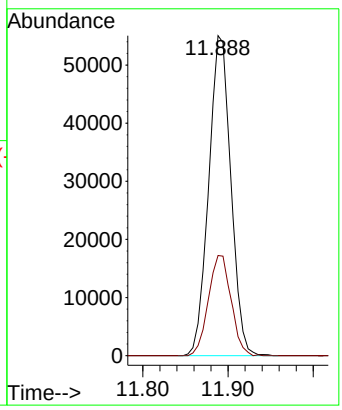


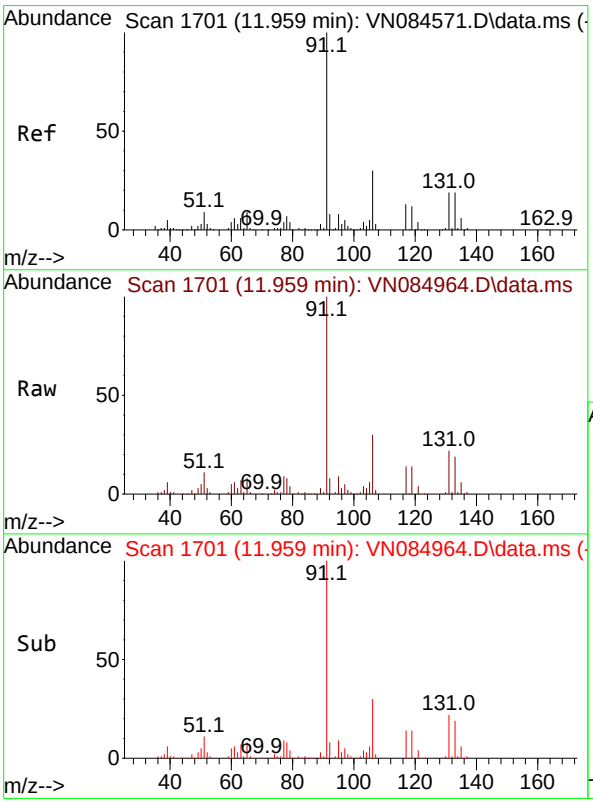
#65
Chlorobenzene
Concen: 19.345 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion:112 Resp: 99409

Ion	Ratio	Lower	Upper
112	100		
114	31.3	27.0	40.6

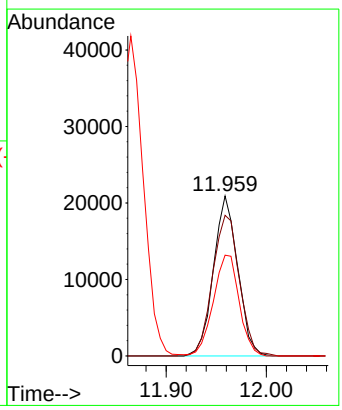


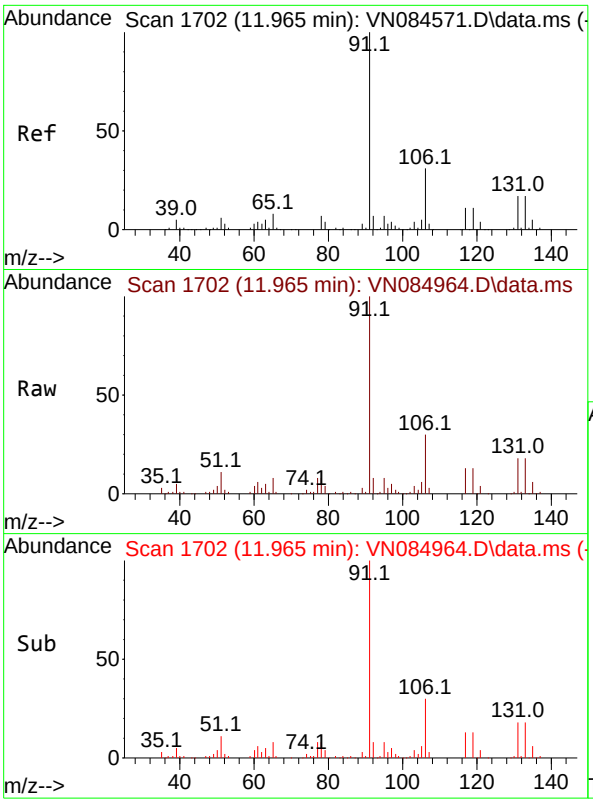


#66
1,1,1,2-Tetrachloroethane
Concen: 19.644 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:131 Resp: 35112

Ion	Ratio	Lower	Upper
131	100		
133	97.1	47.9	143.7
119	67.3	32.8	98.3



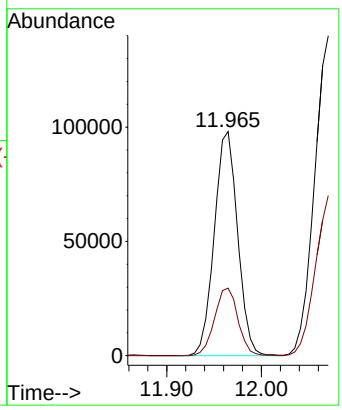


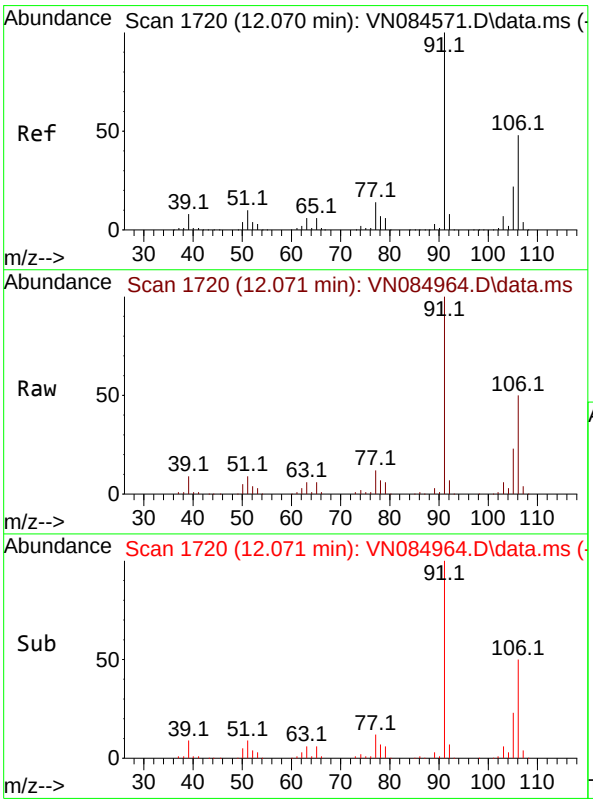
#67
Ethyl Benzene
Concen: 19.590 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion: 91 Resp: 168037

Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.5	36.7

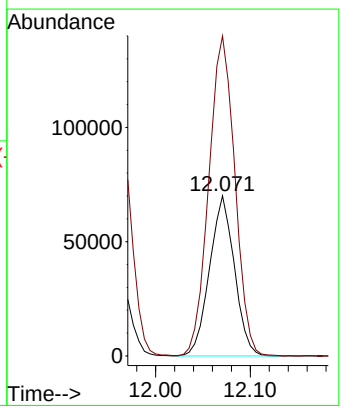


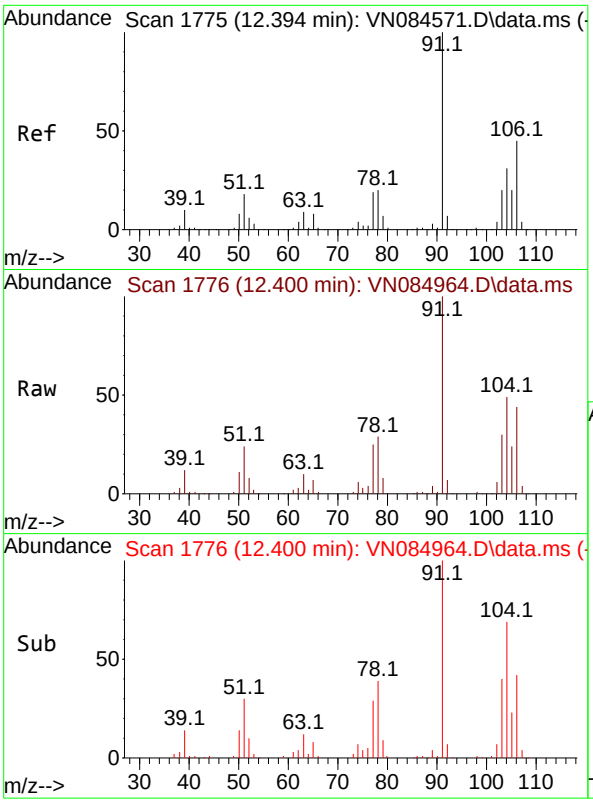


#68
m/p-Xylenes
Concen: 39.323 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:106 Resp: 127695

Ion	Ratio	Lower	Upper
106	100		
91	210.0	167.1	250.7



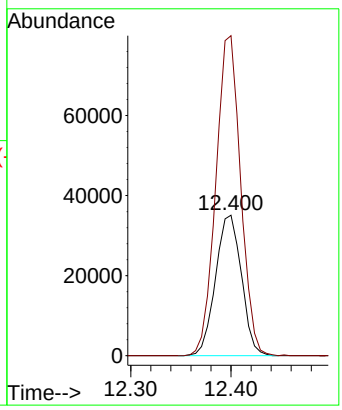


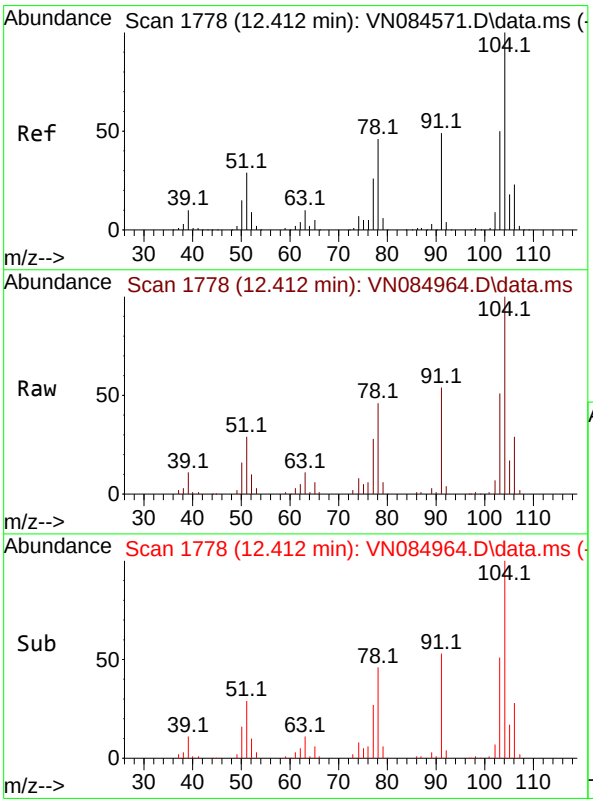
#69
o-Xylene
Concen: 20.721 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion:106 Resp: 62946

Ion	Ratio	Lower	Upper
106	100		
91	218.1	110.2	330.6

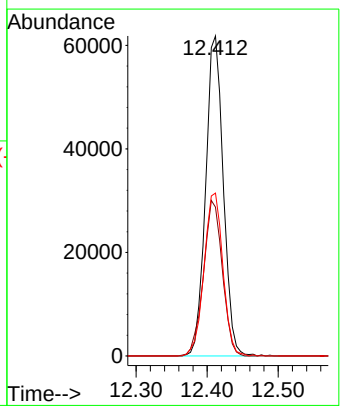


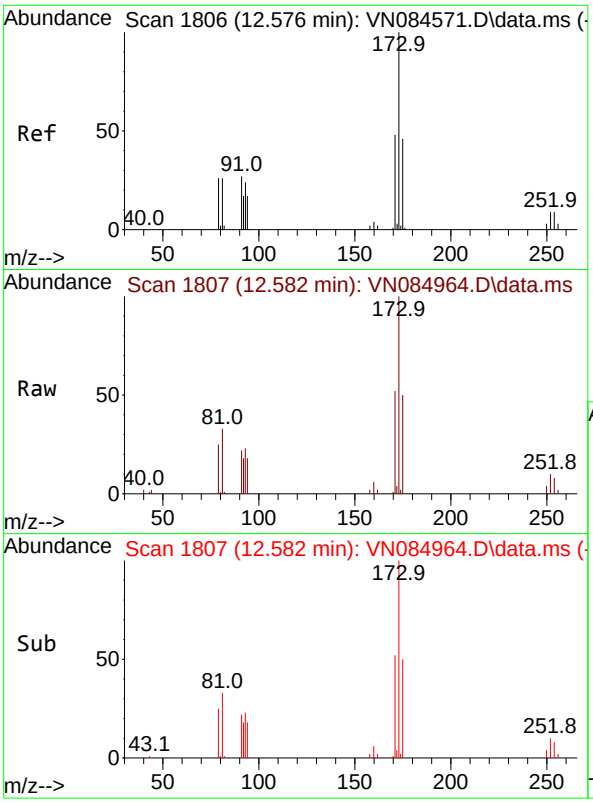


#70
Styrene
Concen: 20.160 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:104 Resp: 106834

Ion	Ratio	Lower	Upper
104	100		
78	51.9	42.7	64.1
103	54.5	43.6	65.4



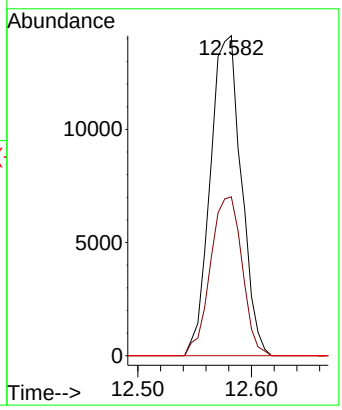


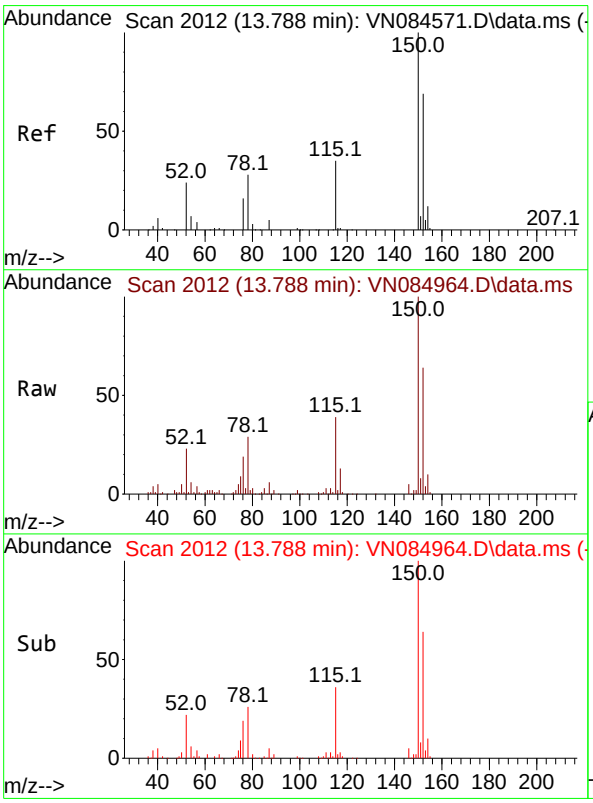
#71
Bromoform
Concen: 19.950 ug/l
RT: 12.582 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion:173 Resp: 26831

Ion	Ratio	Lower	Upper
173	100		
175	50.7	23.5	70.6
254	0.0	0.0	0.0

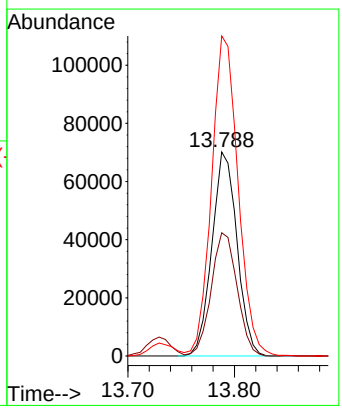


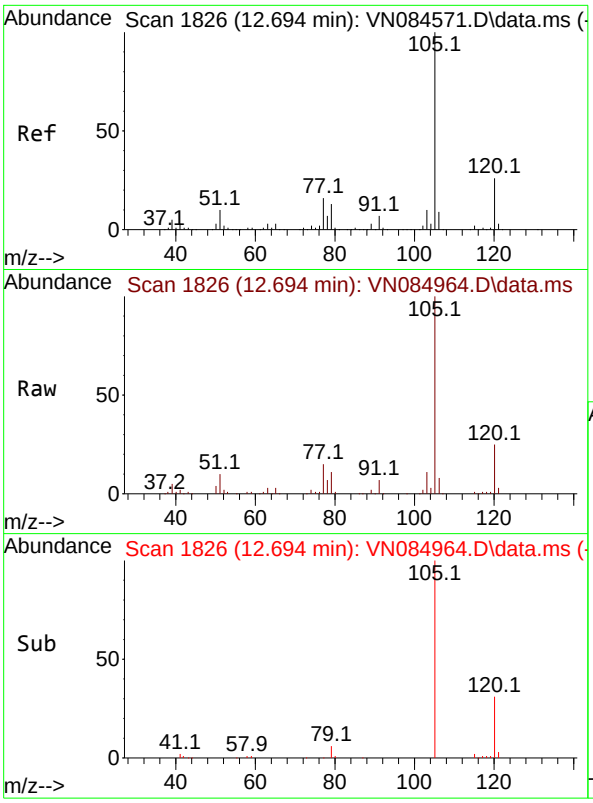


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:152 Resp: 114872

Ion	Ratio	Lower	Upper
152	100		
115	62.3	31.3	93.9
150	165.7	0.0	349.8



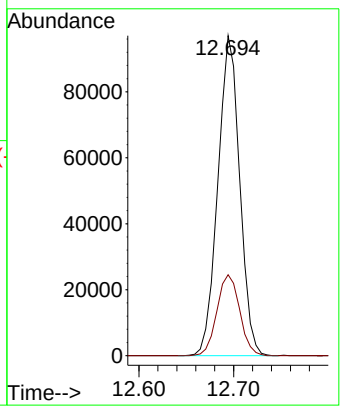


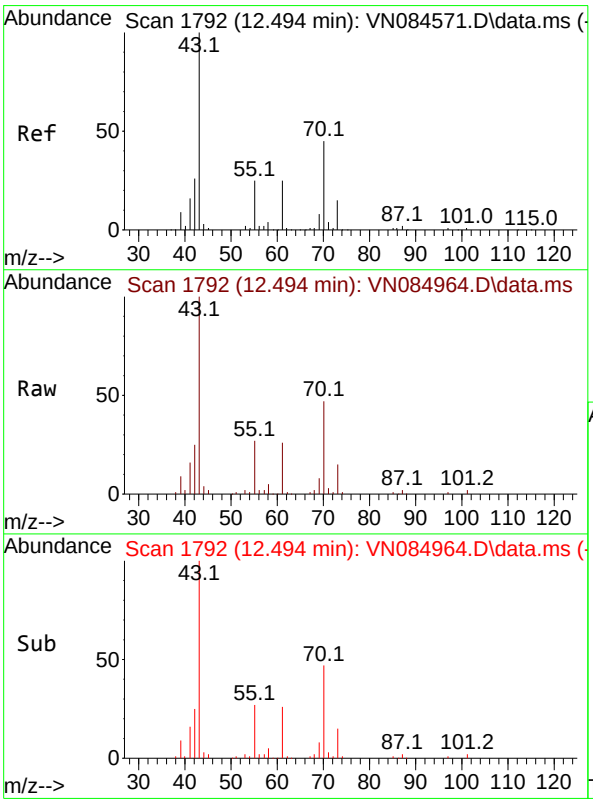
#73
Isopropylbenzene
Concen: 19.290 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion:105 Resp: 155280

Ion	Ratio	Lower	Upper
105	100		
120	26.3	12.9	38.7

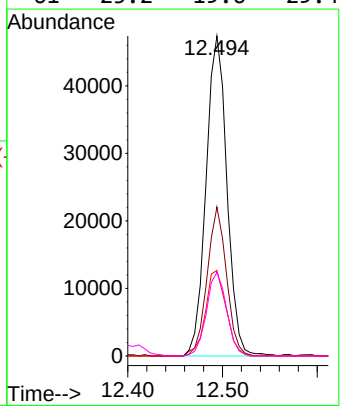


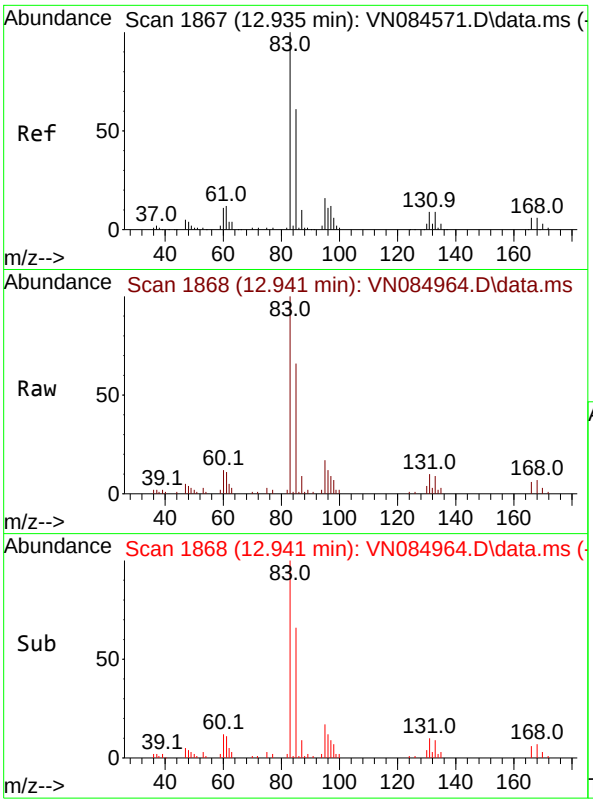


#74
N-amyl acetate
Concen: 21.175 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 43 Resp: 72549

Ion	Ratio	Lower	Upper
43	100		
70	43.2	34.4	51.6
55	26.3	19.6	29.4
61	25.2	19.6	29.4



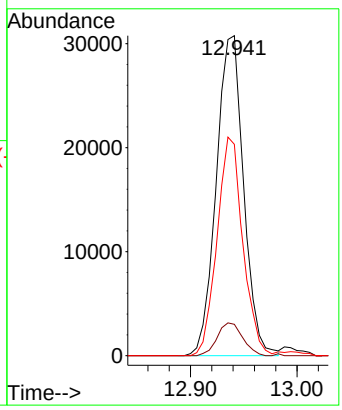


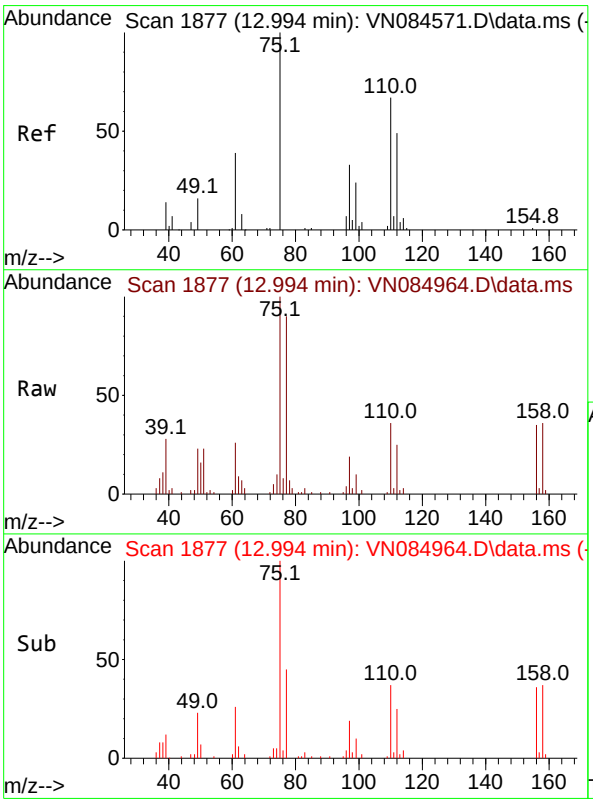
#75
1,1,2,2-Tetrachloroethane
Concen: 20.414 ug/l
RT: 12.941 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion: 83 Resp: 54852

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.9	14.7
85	64.4	31.9	95.7

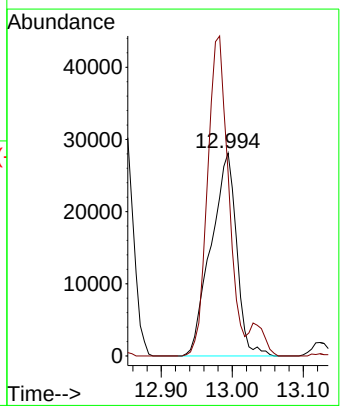


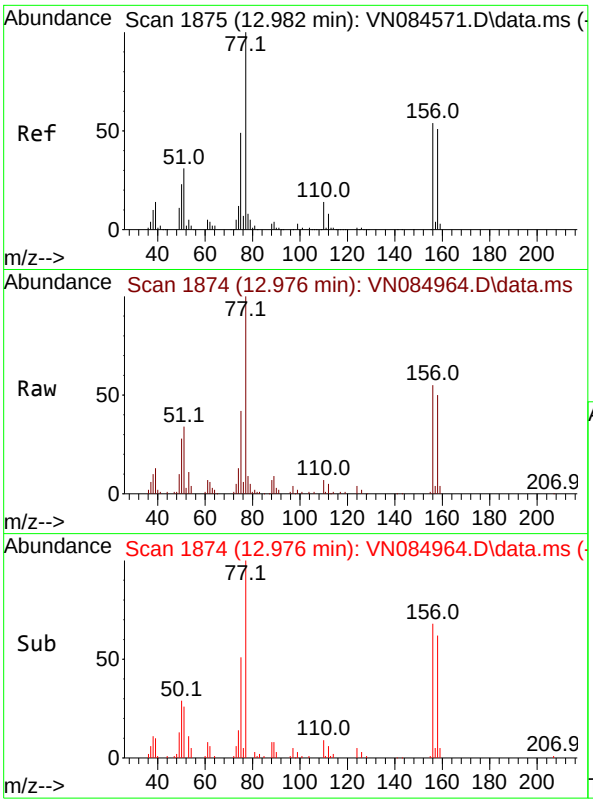


#76
1,2,3-Trichloropropane
Concen: 30.670 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 75 Resp: 70426

Ion	Ratio	Lower	Upper
75	100		
77	128.2	96.9	290.7



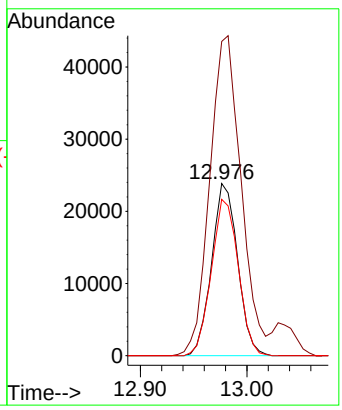


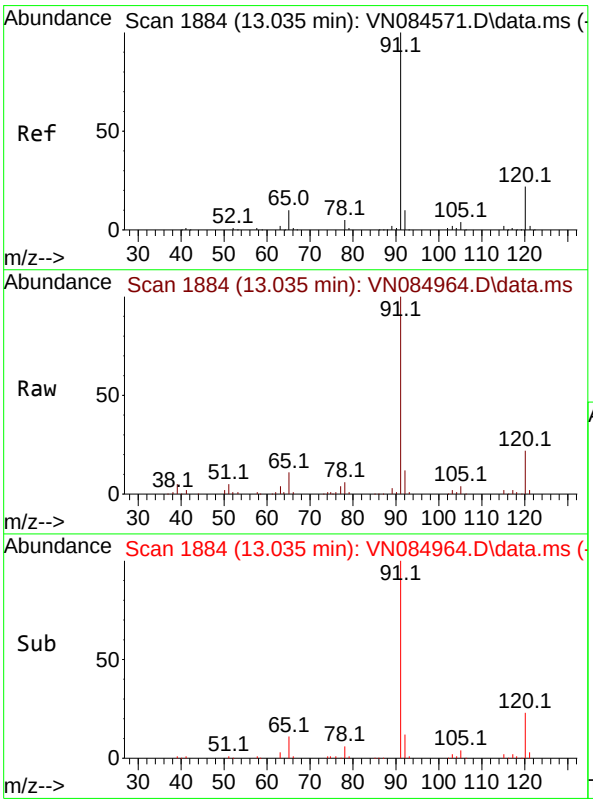
#77
Bromobenzene
Concen: 18.677 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion:156 Resp: 40419

Ion	Ratio	Lower	Upper
156	100		
77	223.5	115.1	345.3
158	93.9	48.9	146.8

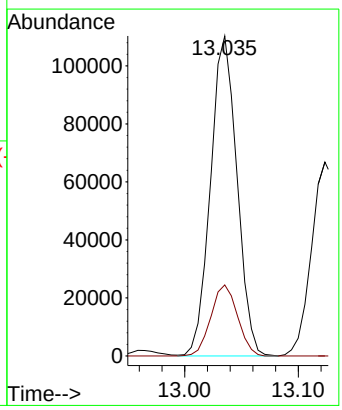


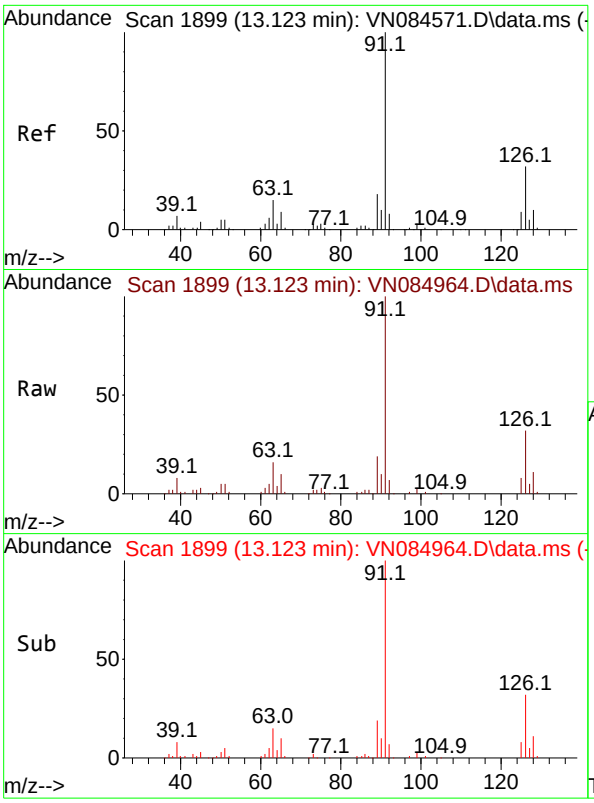


#78
n-propylbenzene
Concen: 18.935 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 91 Resp: 178621

Ion	Ratio	Lower	Upper
91	100		
120	22.3	10.8	32.4



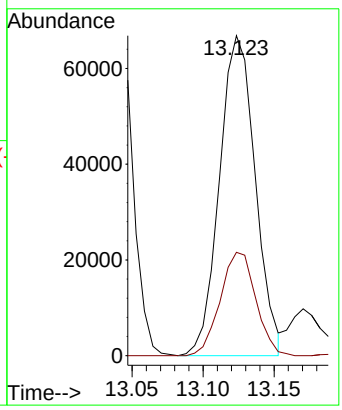


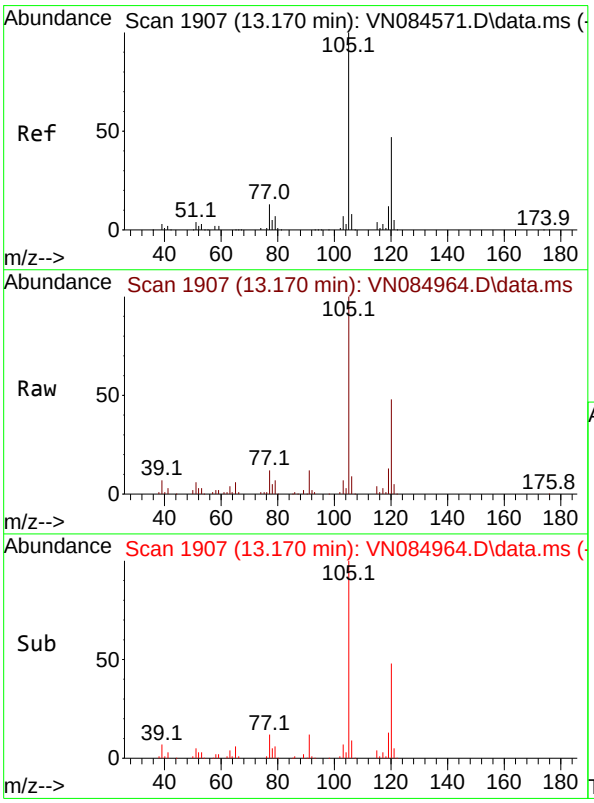
#79
2-Chlorotoluene
Concen: 19.032 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion: 91 Resp: 117308

Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.7	47.1

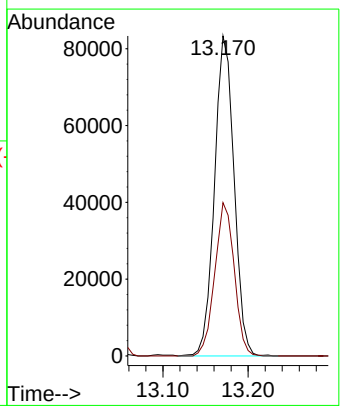


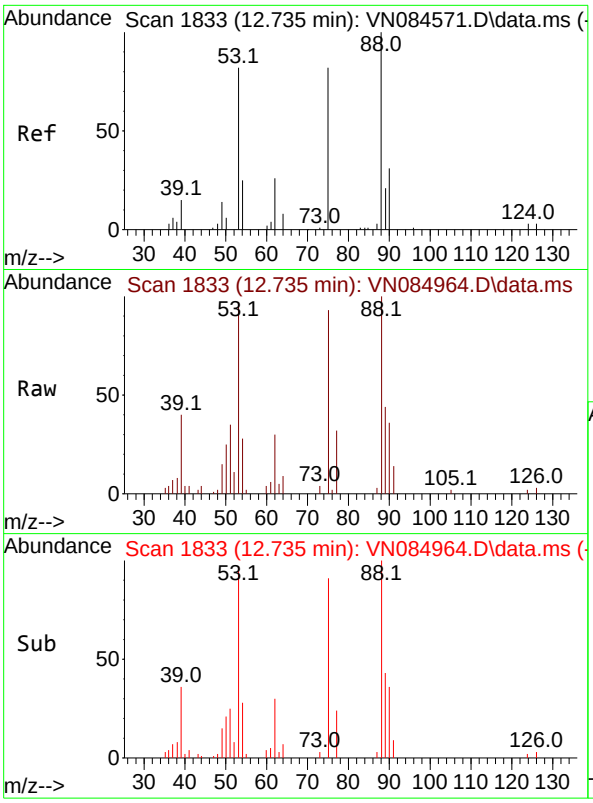


#80
1,3,5-Trimethylbenzene
Concen: 19.907 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:105 Resp: 132819

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.7	71.1



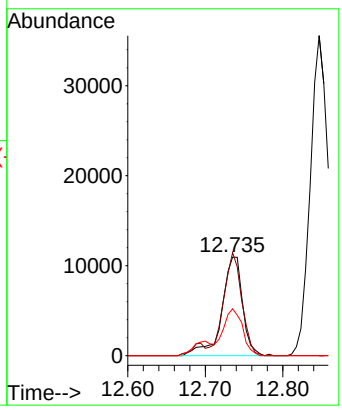


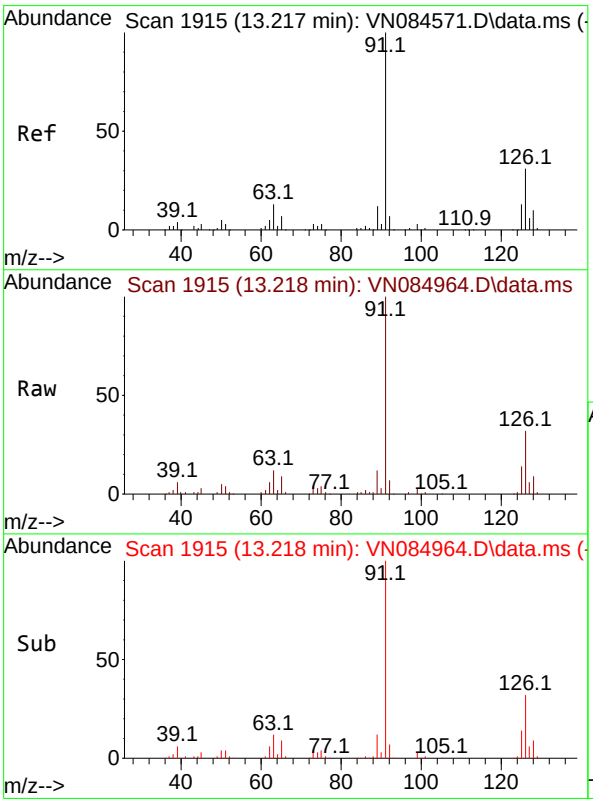
#81
trans-1,4-Dichloro-2-butene
Concen: 21.224 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion: 75 Resp: 20543

Ion	Ratio	Lower	Upper
75	100		
53	91.7	78.0	117.0
89	43.3	35.5	53.3

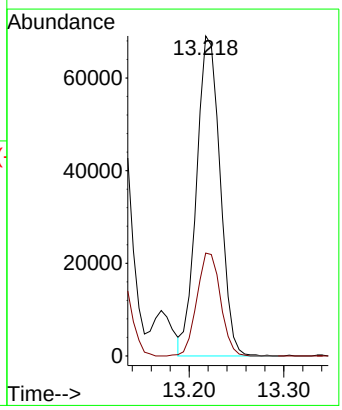


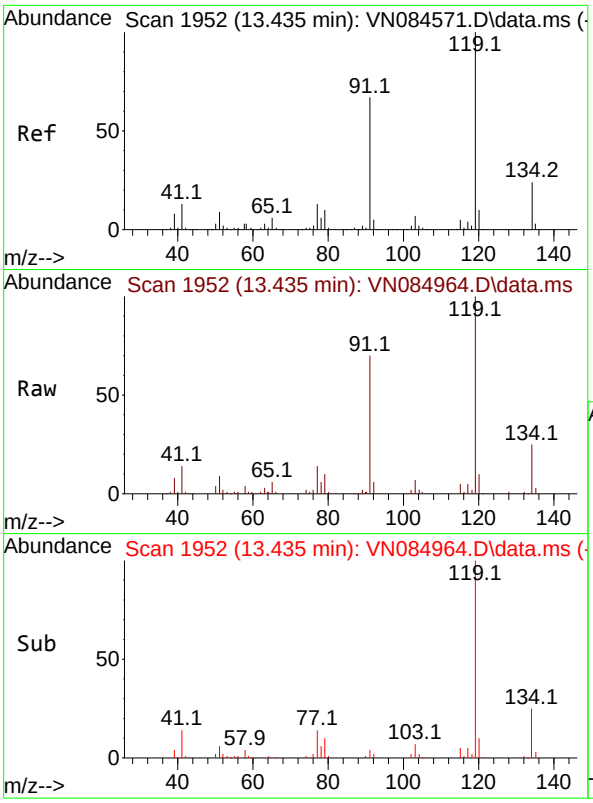


#82
4-Chlorotoluene
Concen: 18.359 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 91 Resp: 119090

Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.7	47.1



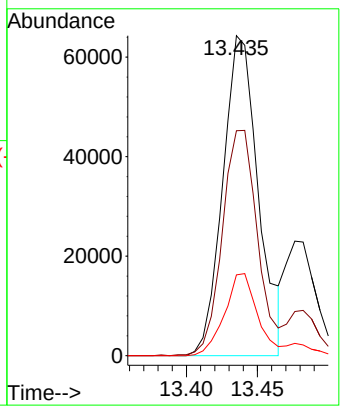


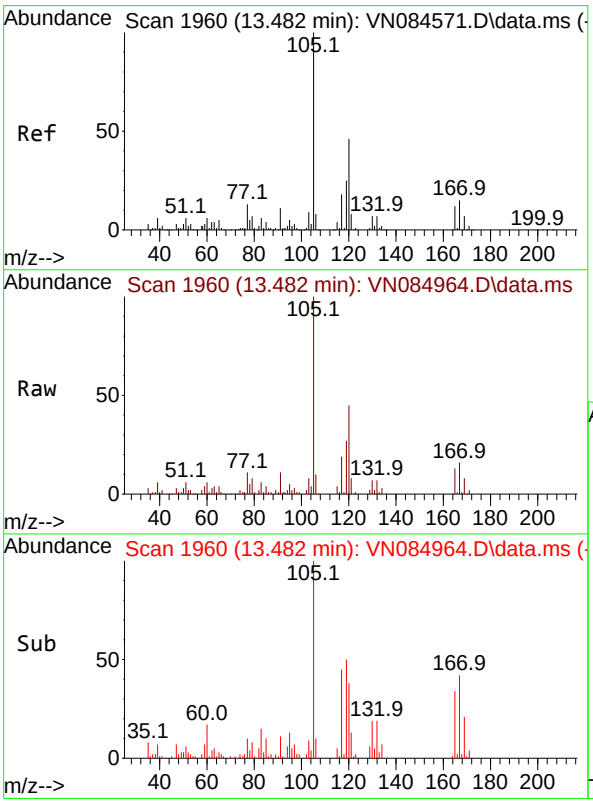
#83
tert-Butylbenzene
Concen: 20.287 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion:119 Resp: 112021

Ion	Ratio	Lower	Upper
119	100		
91	69.6	34.1	102.3
134	24.2	12.8	38.4

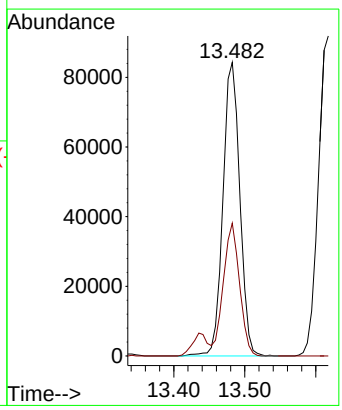


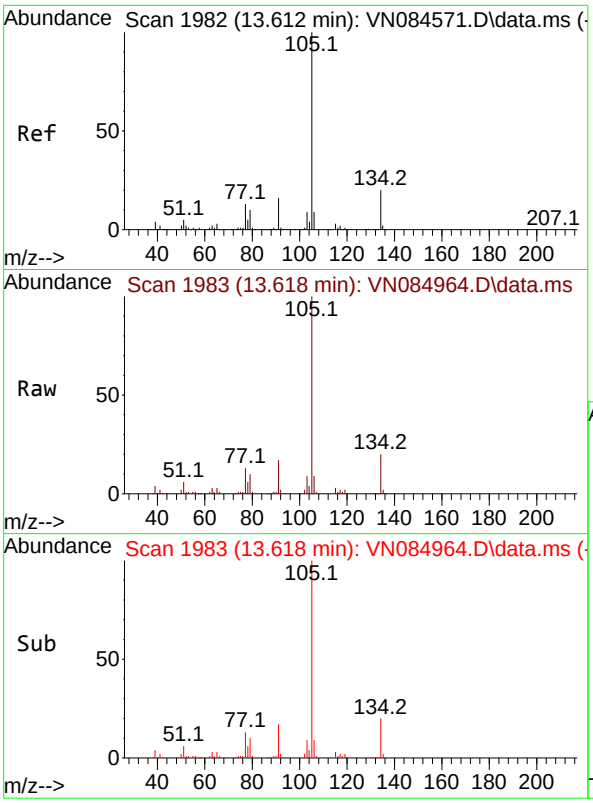


#84
1,2,4-Trimethylbenzene
Concen: 20.119 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:105 Resp: 138540

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.3	66.8



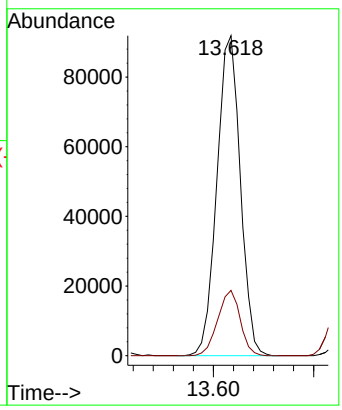


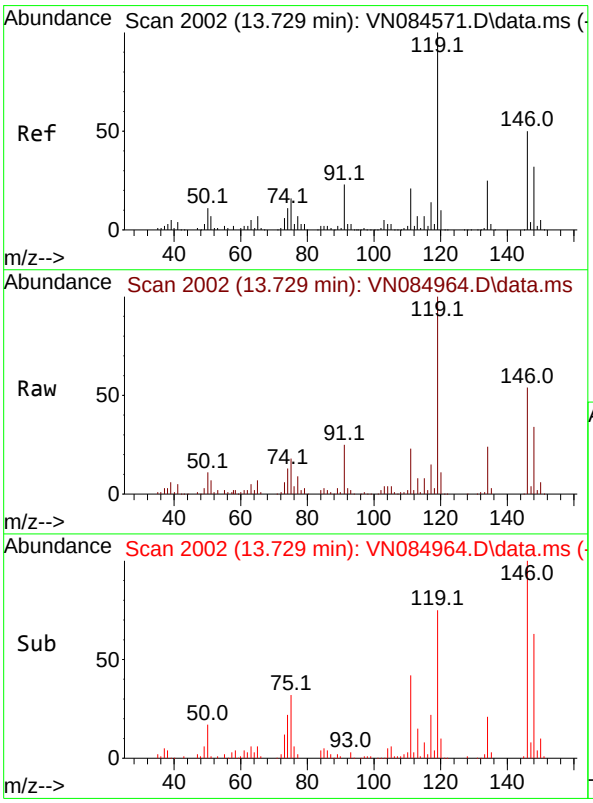
#85
sec-Butylbenzene
Concen: 19.103 ug/l
RT: 13.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion:105 Resp: 149002

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

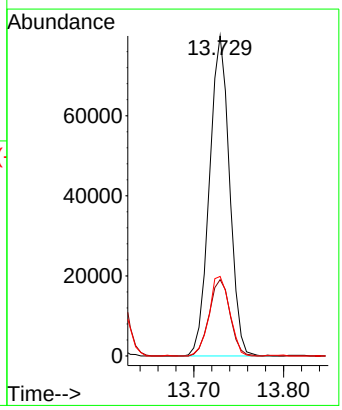


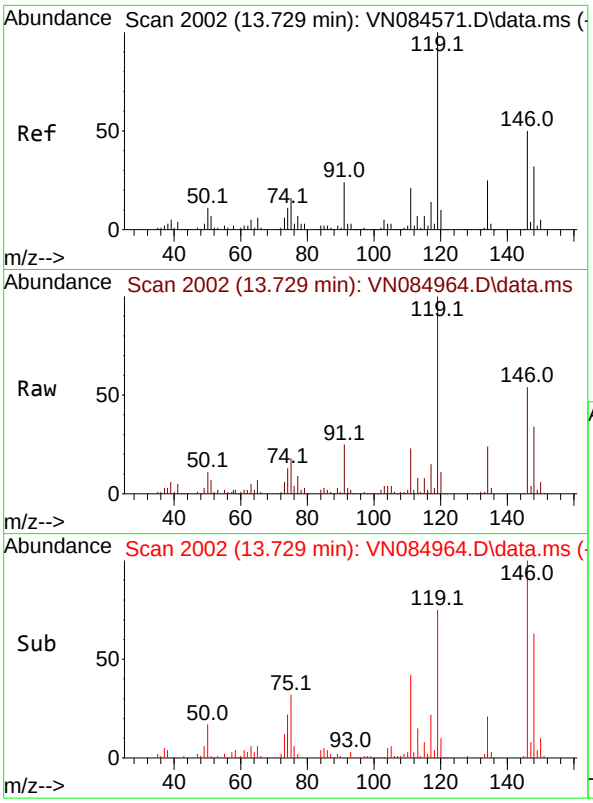


#86
p-Isopropyltoluene
Concen: 19.382 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:119 Resp: 123982

Ion	Ratio	Lower	Upper
119	100		
134	24.7	12.6	37.8
91	25.5	12.4	37.2



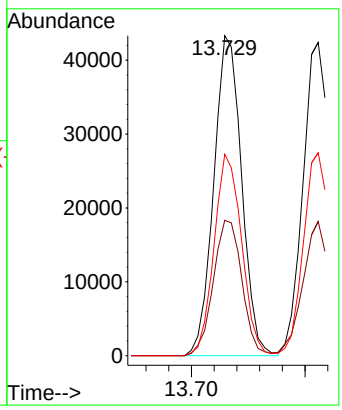


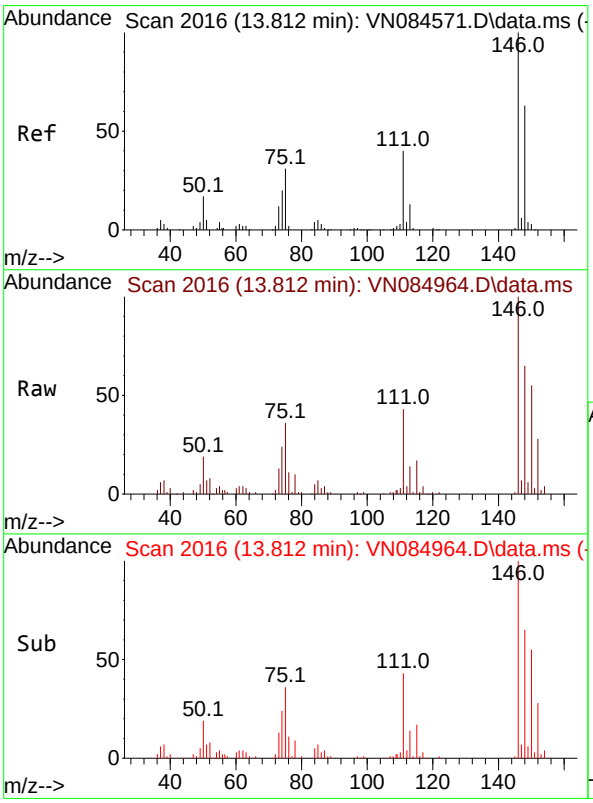
#87
1,3-Dichlorobenzene
Concen: 17.467 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion:146 Resp: 73769

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.8	65.3
148	62.2	31.9	95.7

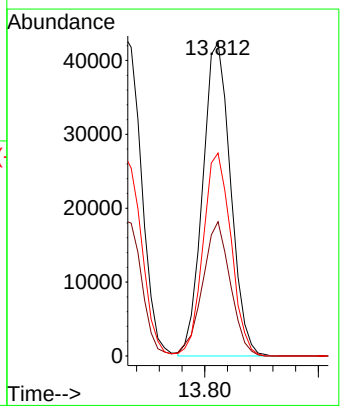


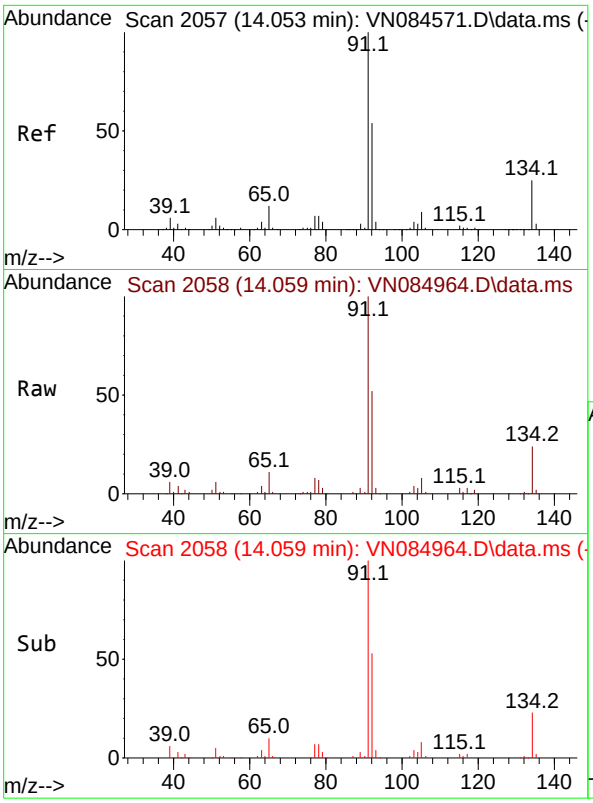


#88
1,4-Dichlorobenzene
Concen: 18.009 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:146 Resp: 72532

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.2	63.6
148	64.7	31.9	95.9



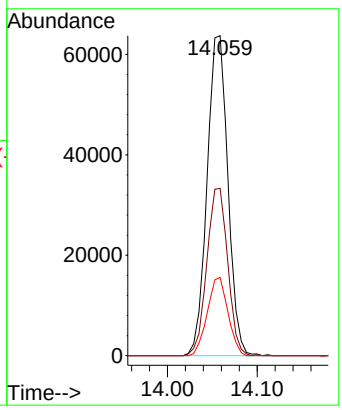


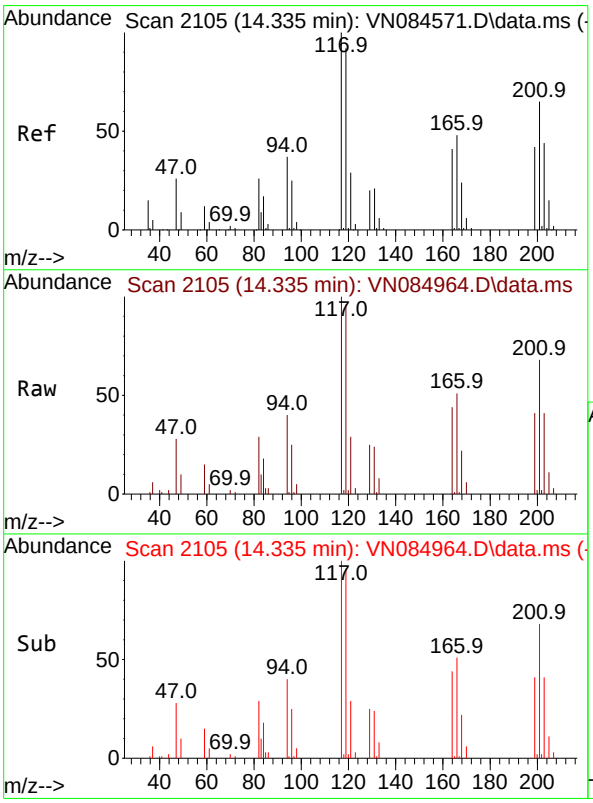
#89
n-Butylbenzene
Concen: 17.170 ug/l
RT: 14.059 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion: 91 Resp: 102739

Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.6	79.7
134	24.2	12.3	36.9

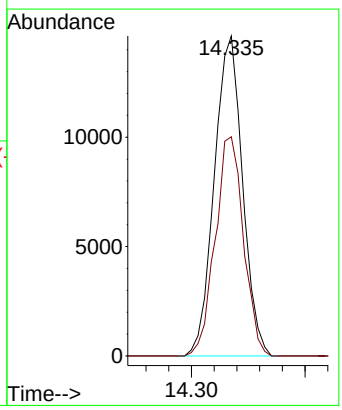


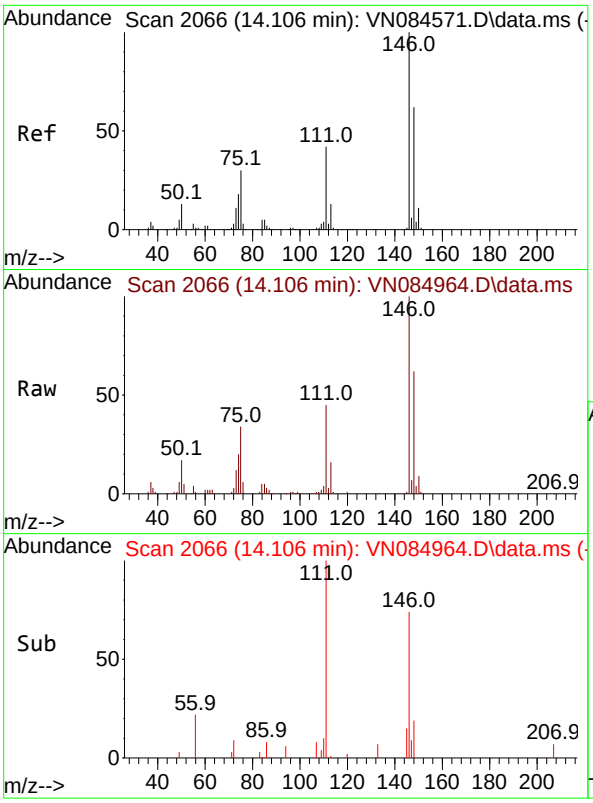


#90
Hexachloroethane
Concen: 17.709 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:117 Resp: 25263

Ion	Ratio	Lower	Upper
117	100		
201	68.5	34.4	103.2



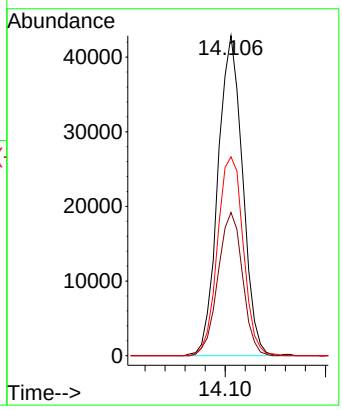


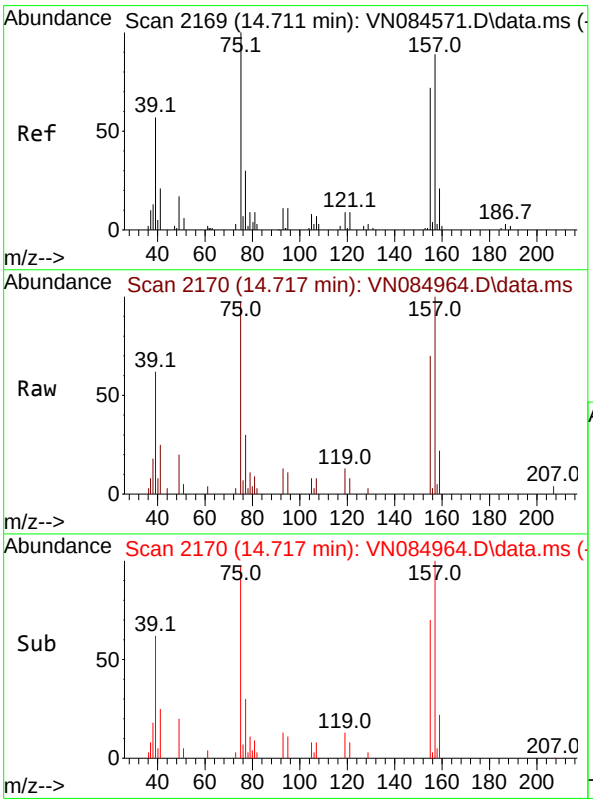
#91
1,2-Dichlorobenzene
Concen: 17.997 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion:146 Resp: 73040

Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.0	66.0
148	65.0	32.1	96.3

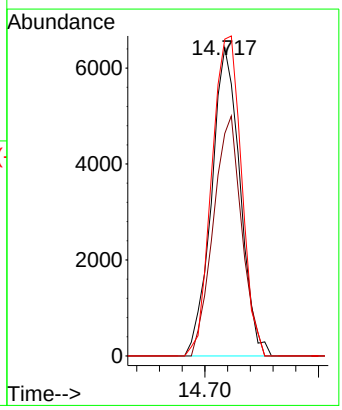


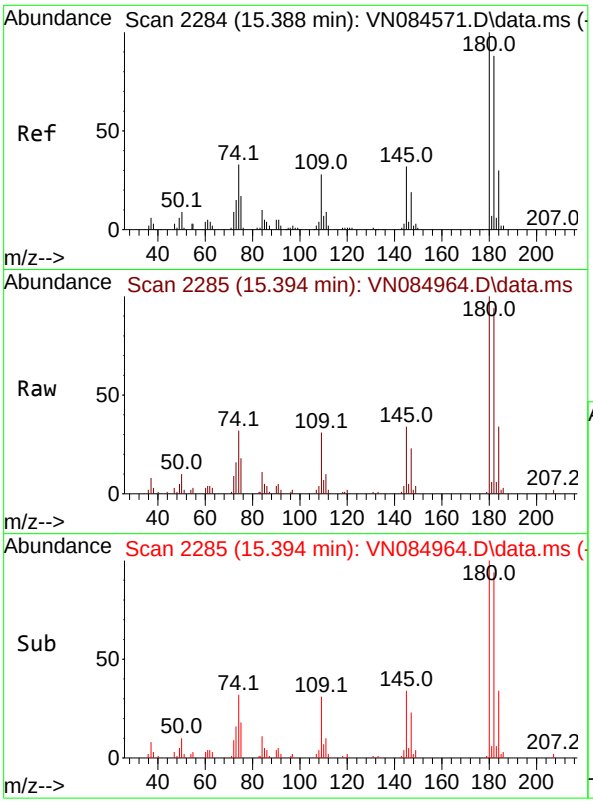


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.605 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion: 75 Resp: 11216

Ion	Ratio	Lower	Upper
75	100		
155	77.4	38.1	114.5
157	107.5	49.6	149.0



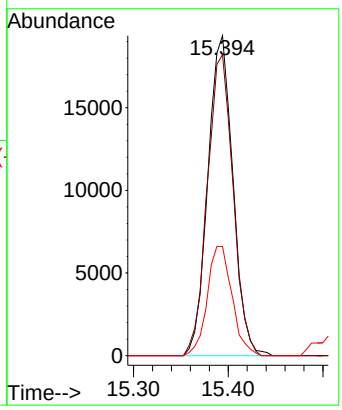


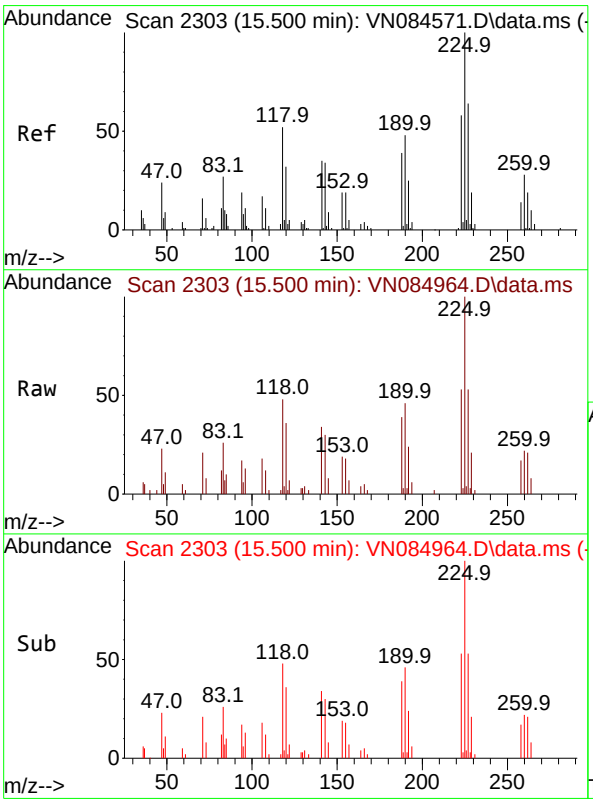
#93
1,2,4-Trichlorobenzene
Concen: 15.994 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion:180 Resp: 35527

Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.0	141.0
145	33.8	16.4	49.4

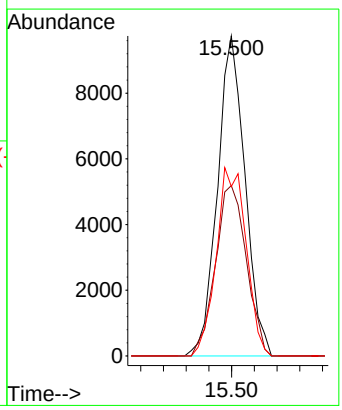


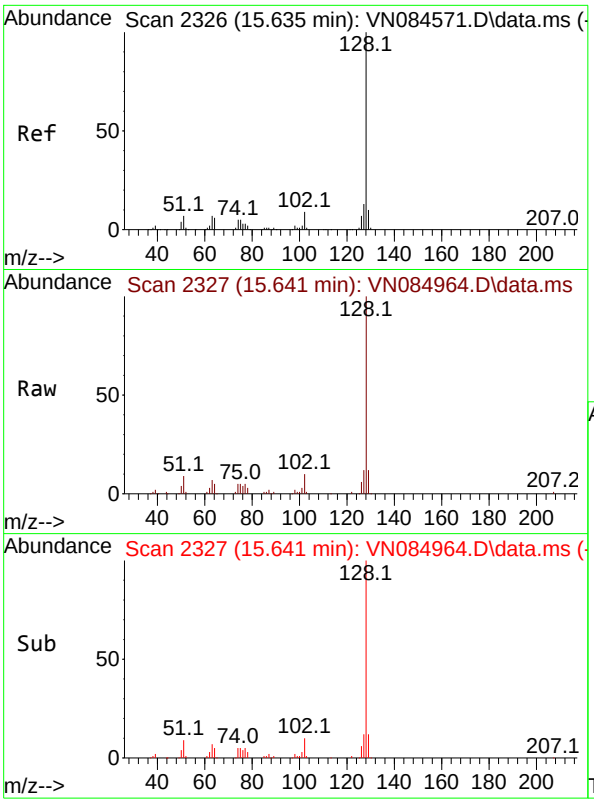


#94
Hexachlorobutadiene
Concen: 16.836 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:225 Resp: 16423

Ion	Ratio	Lower	Upper
225	100		
223	59.8	32.4	97.2
227	63.6	32.4	97.0



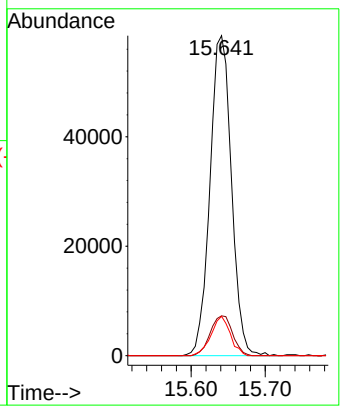


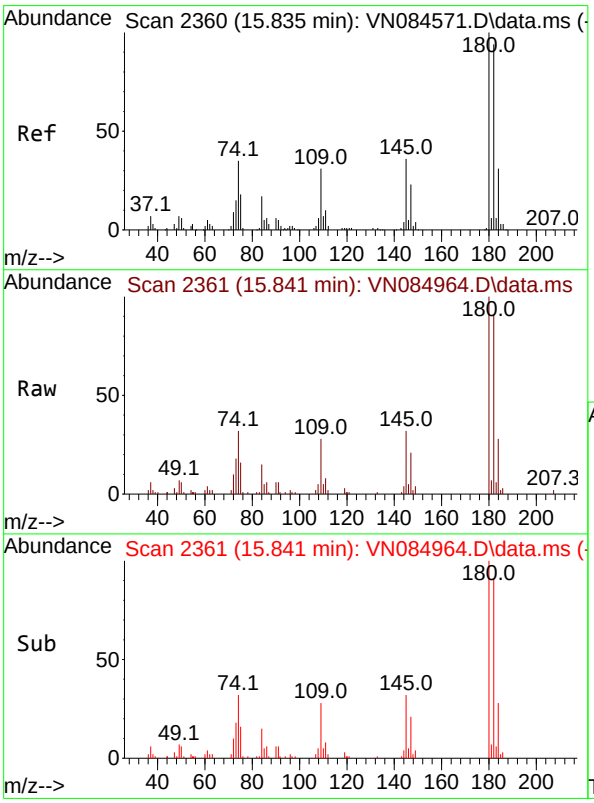
#95
Naphthalene
Concen: 17.697 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Tgt Ion:128 Resp: 117662

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	11.1	8.7	13.1

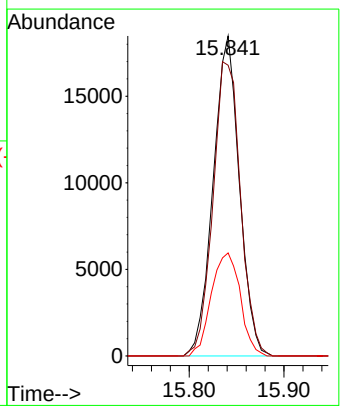




#96
1,2,3-Trichlorobenzene
Concen: 16.478 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084964.D
Acq: 20 Nov 2024 13:20

Tgt Ion:180 Resp: 35531

Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.2	144.6
145	35.5	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084985.D
Acq On : 20 Nov 2024 21:46
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 21 00:51:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	147117	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	252043	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	231642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	124177	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	98989	46.586	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.180%			
35) Dibromofluoromethane	8.165	113	76333	44.743	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 89.480%			
50) Toluene-d8	10.565	98	276464	43.992	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 87.980%			
62) 4-Bromofluorobenzene	12.847	95	116272	49.505	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	93763	55.441	ug/l	95
3) Chloromethane	2.359	50	102096	51.524	ug/l	97
4) Vinyl Chloride	2.512	62	98187	53.978	ug/l	100
5) Bromomethane	2.900	94	53533	55.545	ug/l	95
6) Chloroethane	3.059	64	64390	57.392	ug/l	93
7) Trichlorofluoromethane	3.459	101	164430	54.876	ug/l	99
8) Diethyl Ether	3.959	74	59279	56.082	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.347	101	92345	54.541	ug/l	99
10) Methyl Iodide	4.577	142	129133	57.066	ug/l	94
11) Tert butyl alcohol	5.541	59	101367	361.410	ug/l	99
12) 1,1-Dichloroethene	4.318	96	89577	53.467	ug/l	99
13) Acrolein	4.177	56	76593	273.856	ug/l	98
14) Allyl chloride	5.006	41	150741	55.481	ug/l	92
15) Acrylonitrile	5.718	53	257882	317.602	ug/l	99
16) Acetone	4.430	43	206332	337.153	ug/l	95
17) Carbon Disulfide	4.694	76	251188	48.686	ug/l	97
18) Methyl Acetate	5.018	43	129491	58.427	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	302548	58.918	ug/l	99
20) Methylene Chloride	5.265	84	102304	54.742	ug/l	88
21) trans-1,2-Dichloroethene	5.777	96	91527	53.204	ug/l	98
22) Diisopropyl ether	6.671	45	307141	56.891	ug/l	99
23) Vinyl Acetate	6.600	43	1176079	315.894	ug/l	98
24) 1,1-Dichloroethane	6.565	63	177051	54.624	ug/l	97
25) 2-Butanone	7.482	43	334599	337.529	ug/l	99
26) 2,2-Dichloropropane	7.482	77	137513	48.745	ug/l	97
27) cis-1,2-Dichloroethene	7.482	96	109886	54.705	ug/l	96
28) Bromochloromethane	7.812	49	62703	48.556	ug/l	92
29) Tetrahydrofuran	7.835	42	223212	339.405	ug/l	97
30) Chloroform	7.959	83	183717	55.688	ug/l	100
31) Cyclohexane	8.253	56	153481	52.318	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	171304	57.050	ug/l	98
36) 1,1-Dichloropropene	8.365	75	123862	52.350	ug/l	98
37) Ethyl Acetate	7.559	43	136332	63.508	ug/l	99
38) Carbon Tetrachloride	8.359	117	148373	56.103	ug/l	97
39) Methylcyclohexane	9.600	83	137174	56.989	ug/l	98
40) Benzene	8.600	78	404475	53.231	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084985.D
Acq On : 20 Nov 2024 21:46
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 21 00:51:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	76915	66.627	ug/l		99
42) 1,2-Dichloroethane	8.665	62	136948	55.651	ug/l		100
43) Isopropyl Acetate	8.688	43	284340	72.124	ug/l		93
44) Trichloroethene	9.347	130	91468	52.196	ug/l		98
45) 1,2-Dichloropropane	9.618	63	96814	54.315	ug/l		95
46) Dibromomethane	9.706	93	70561	56.100	ug/l		99
47) Bromodichloromethane	9.882	83	146582	55.287	ug/l		95
48) Methyl methacrylate	9.676	41	107261	64.200	ug/l		98
49) 1,4-Dioxane	9.700	88	40851	1379.814	ug/l	#	80
51) 4-Methyl-2-Pentanone	10.447	43	693441	338.851	ug/l		99
52) Toluene	10.629	92	248305	55.875	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	146872	53.518	ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	154682	53.254	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	94055	56.186	ug/l		97
56) Ethyl methacrylate	10.876	69	156862	64.783	ug/l		98
57) 1,3-Dichloropropane	11.159	76	163035	56.748	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	346503	305.819	ug/l		97
59) 2-Hexanone	11.194	43	526039	353.146	ug/l		98
60) Dibromochloromethane	11.359	129	111190	58.280	ug/l		98
61) 1,2-Dibromoethane	11.465	107	98532	57.479	ug/l		99
64) Tetrachloroethene	11.100	164	79627	51.679	ug/l		97
65) Chlorobenzene	11.888	112	257302	49.651	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	98568	54.683	ug/l		96
67) Ethyl Benzene	11.965	91	471549	54.512	ug/l		100
68) m/p-Xylenes	12.070	106	362101	110.569	ug/l		98
69) o-Xylene	12.394	106	175316	57.226	ug/l		99
70) Styrene	12.412	104	292993	54.824	ug/l		99
71) Bromoform	12.576	173	75493	55.658	ug/l	#	98
73) Isopropylbenzene	12.694	105	438473	50.388	ug/l		99
74) N-amyl acetate	12.494	43	204266	55.151	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	144707	49.820	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	187502	75.537	ug/l		54
77) Bromobenzene	12.976	156	107358	45.892	ug/l		95
78) n-propylbenzene	13.035	91	502175	49.246	ug/l		98
79) 2-Chlorotoluene	13.123	91	318593	47.815	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	373416	51.774	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	50899	48.647	ug/l		100
82) 4-Chlorotoluene	13.217	91	322876	46.045	ug/l		99
83) tert-Butylbenzene	13.435	119	318423	53.345	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	379635	51.000	ug/l		99
85) sec-Butylbenzene	13.617	105	425223	50.431	ug/l		100
86) p-Isopropyltoluene	13.729	119	355921	51.470	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	192082	42.073	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	195268	46.540	ug/l		99
89) n-Butylbenzene	14.053	91	287540	44.452	ug/l		99
90) Hexachloroethane	14.335	117	69601	45.133	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	198590	45.267	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	30660	52.104	ug/l		95
93) 1,2,4-Trichlorobenzene	15.394	180	92582	38.555	ug/l		99
94) Hexachlorobutadiene	15.500	225	43676	41.418	ug/l		95
95) Naphthalene	15.641	128	326191	45.383	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	92421	39.649	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084985.D
Acq On : 20 Nov 2024 21:46
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 21 00:51:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

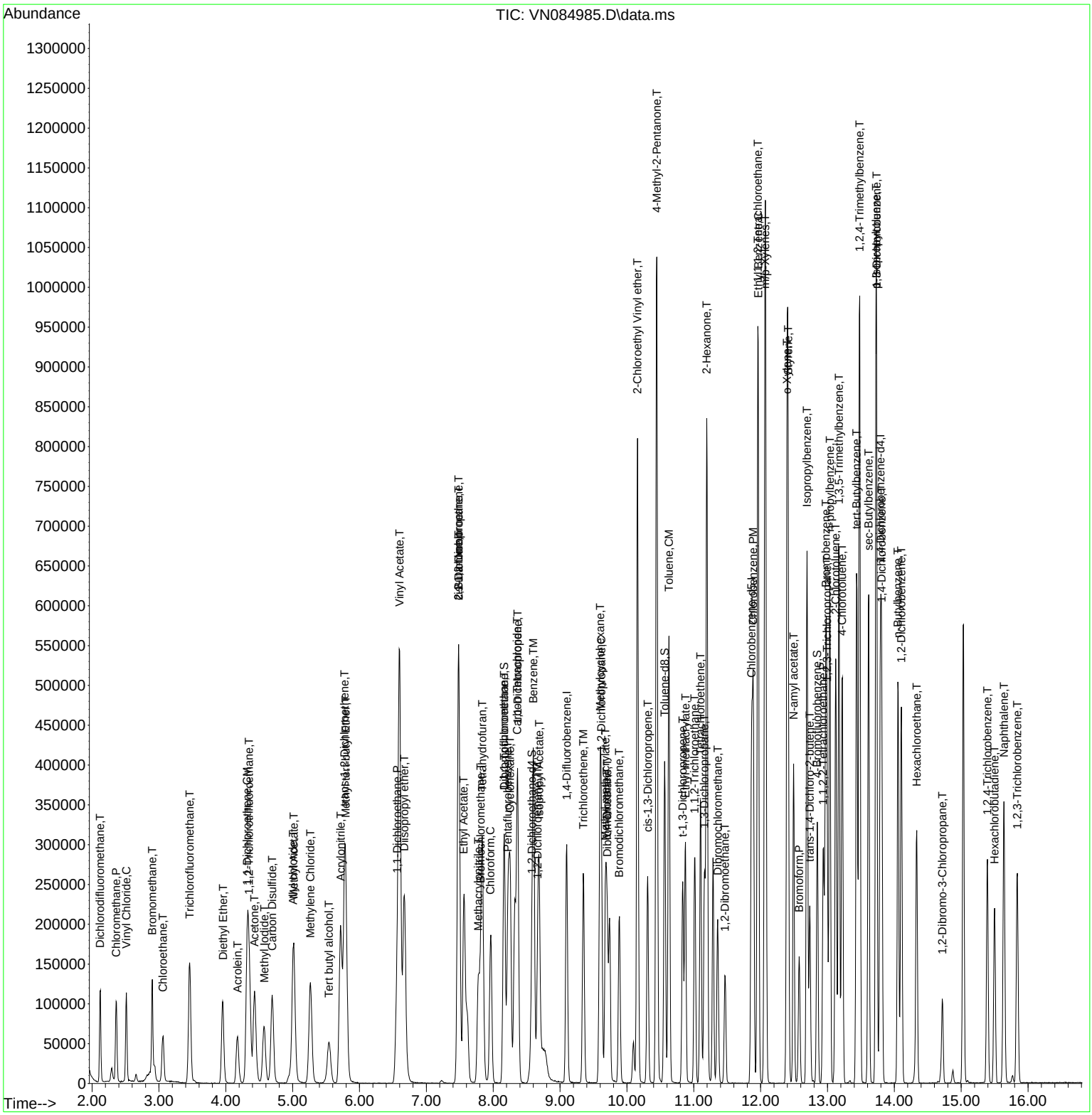
(#) = qualifier out of range (m) = manual integration (+) = signals summed

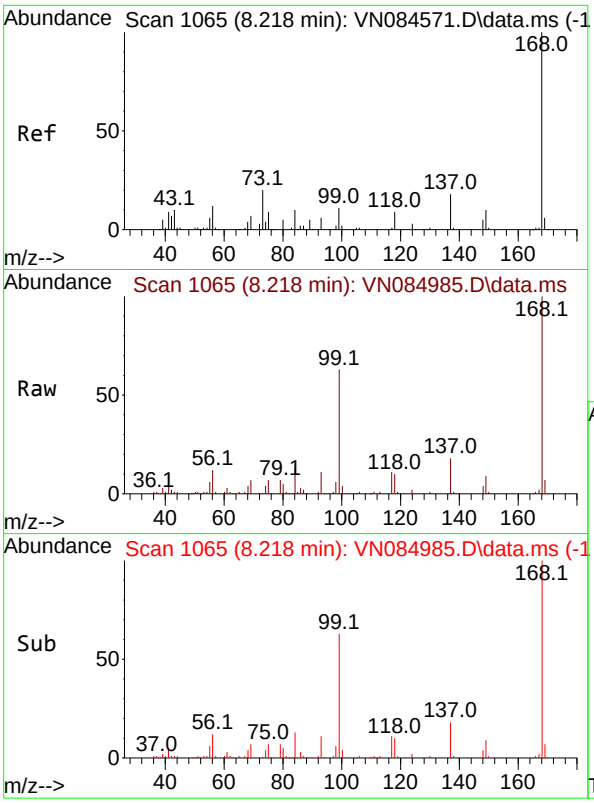
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084985.D
Acq On : 20 Nov 2024 21:46
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 21 00:51:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



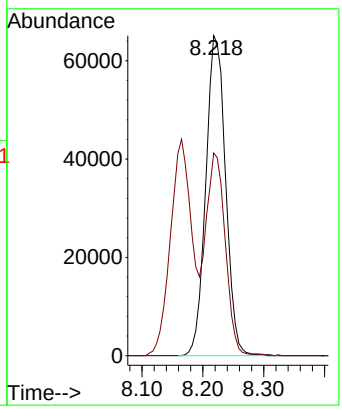


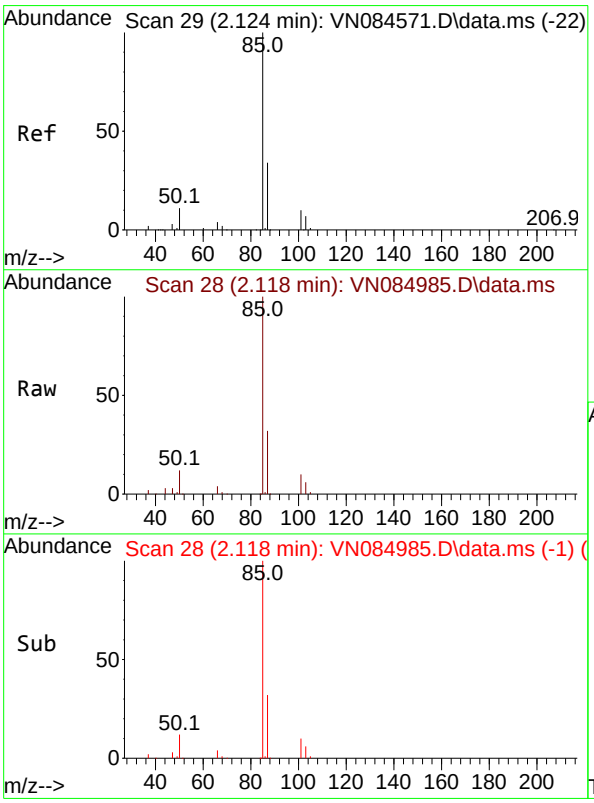
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 147117

Ion	Ratio	Lower	Upper
168	100		
99	63.1	54.2	81.2

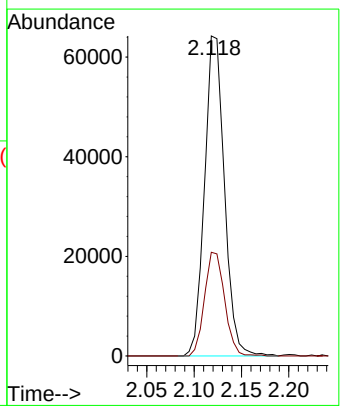


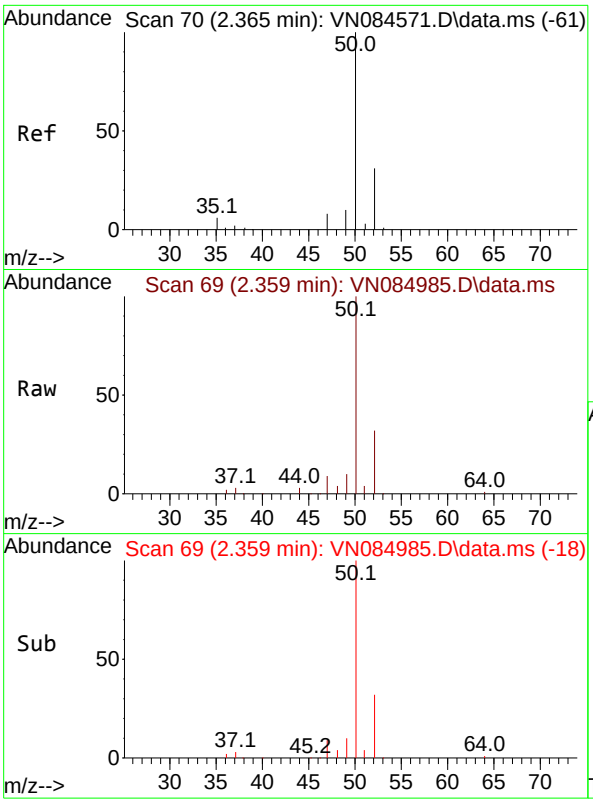


#2
Dichlorodifluoromethane
Concen: 55.441 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 85 Resp: 93763

Ion	Ratio	Lower	Upper
85	100		
87	32.4	17.6	52.9



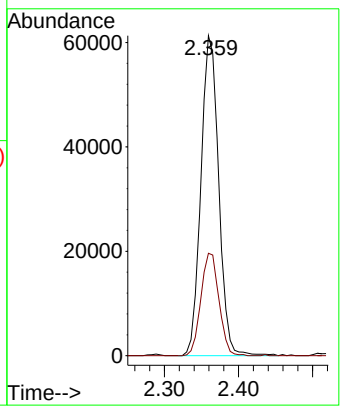


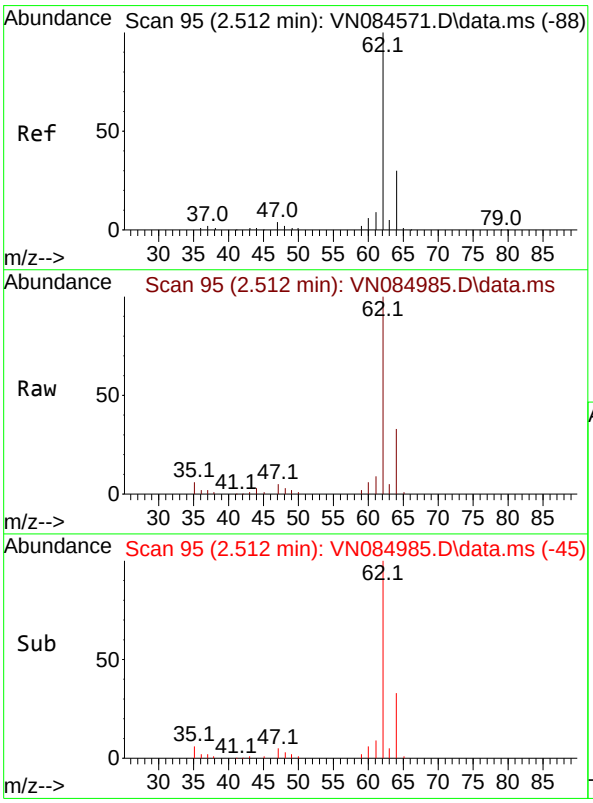
#3
Chloromethane
Concen: 51.524 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 102096

Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.8	40.2

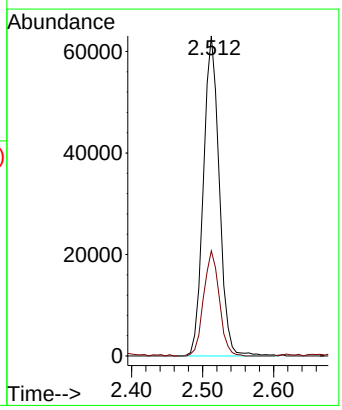


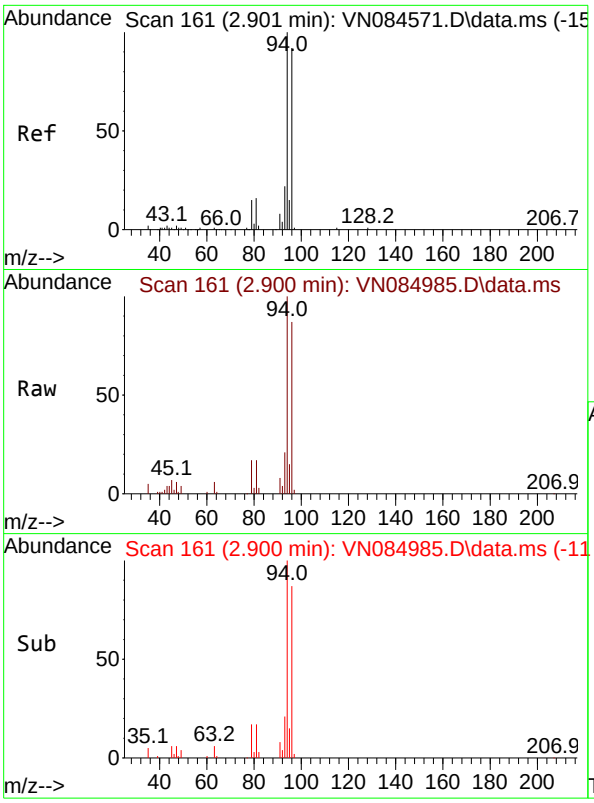


#4
Vinyl Chloride
Concen: 53.978 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 62 Resp: 98187

Ion	Ratio	Lower	Upper
62	100		
64	32.9	26.2	39.4



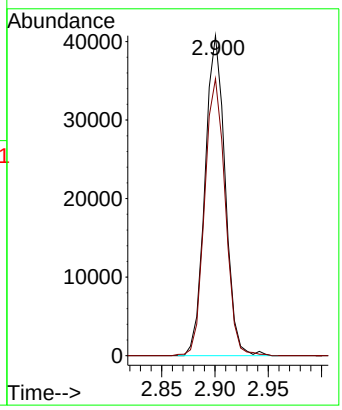


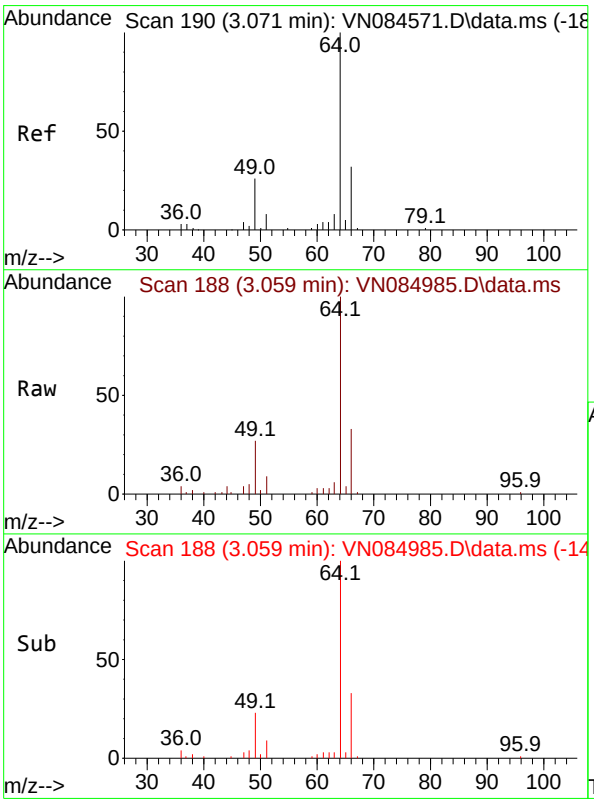
#5
Bromomethane
Concen: 55.545 ug/l
RT: 2.900 min Scan# 1
Delta R.T. -0.053 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 53533

Ion	Ratio	Lower	Upper
94	100		
96	86.5	72.9	109.3

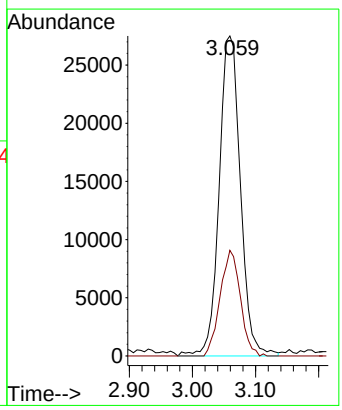


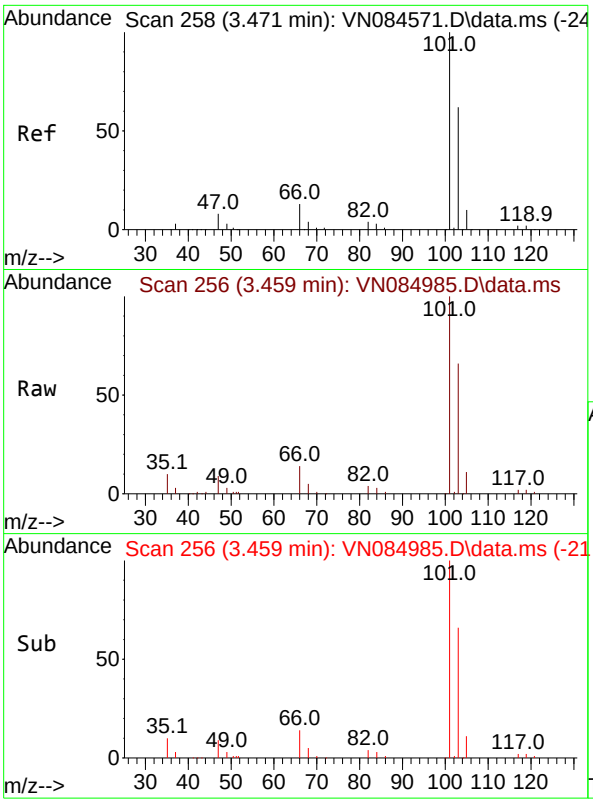


#6
Chloroethane
Concen: 57.392 ug/l
RT: 3.059 min Scan# 188
Delta R.T. -0.059 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 64 Resp: 64390

Ion	Ratio	Lower	Upper
64	100		
66	33.0	23.5	35.3



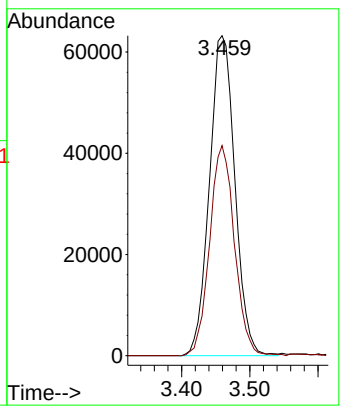


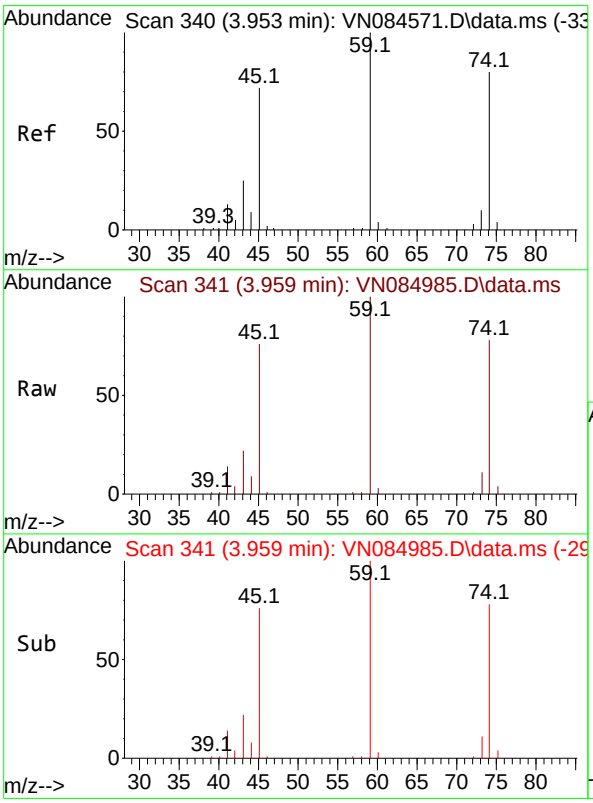
#7
Trichlorofluoromethane
Concen: 54.876 ug/l
RT: 3.459 min Scan# 2
Delta R.T. -0.036 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 164430

Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.8	77.6

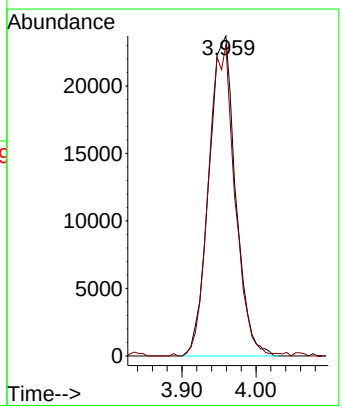


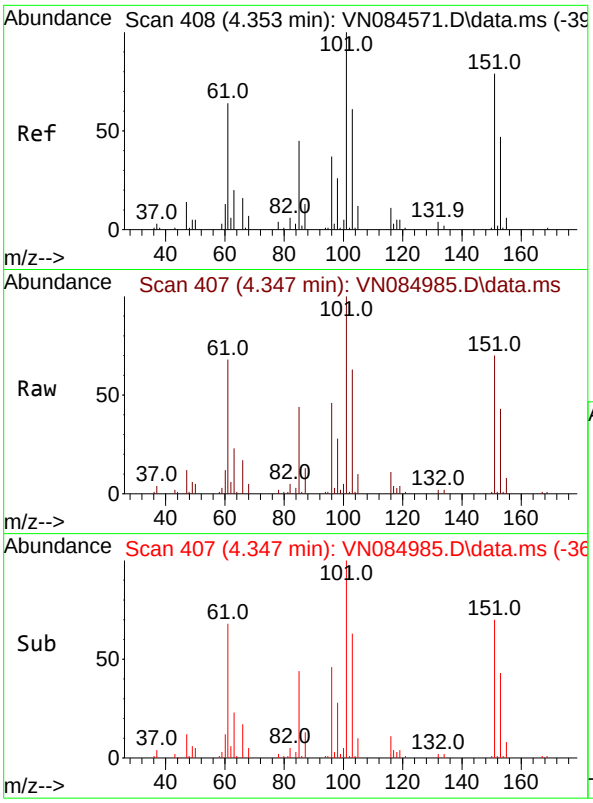


#8
Diethyl Ether
Concen: 56.082 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 74 Resp: 59279

Ion	Ratio	Lower	Upper
74	100		
45	96.2	47.7	143.1



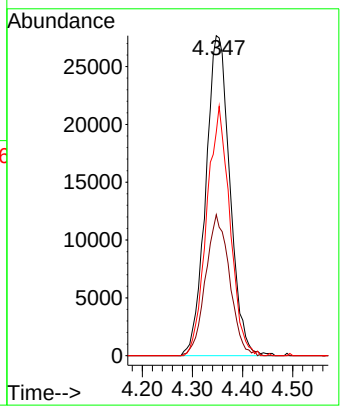


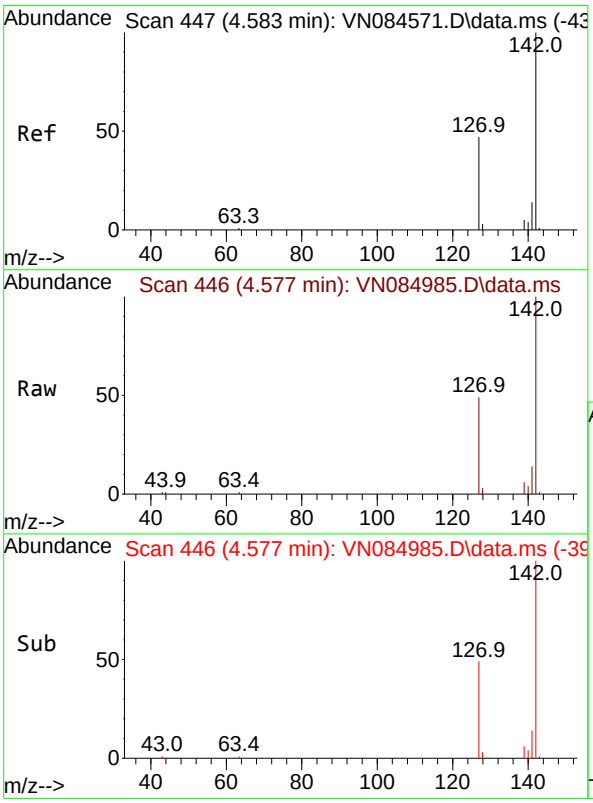
#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.541 ug/l
RT: 4.347 min Scan# 4(
Delta R.T. -0.024 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 92345

Ion	Ratio	Lower	Upper
101	100		
85	43.8	36.2	54.4
151	74.8	59.3	88.9

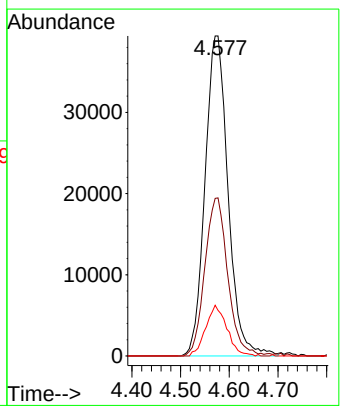


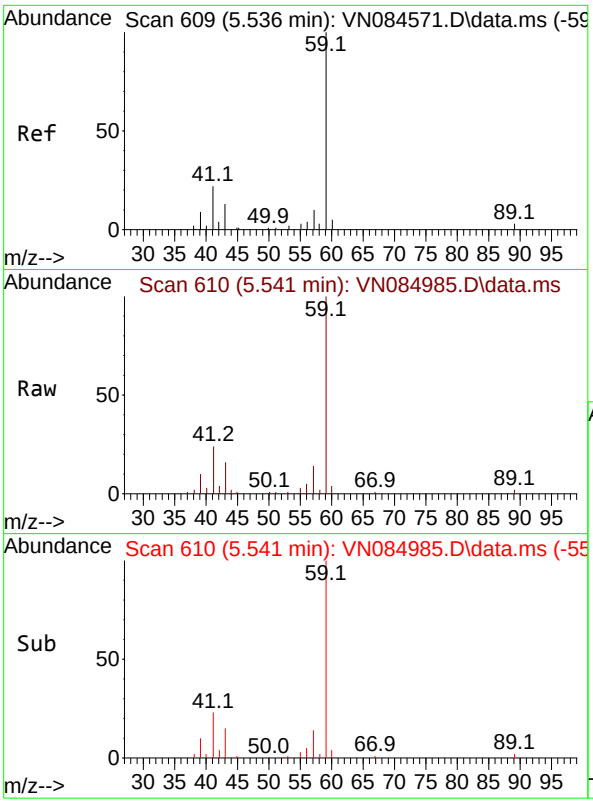


#10
Methyl Iodide
Concen: 57.066 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:142 Resp: 129133

Ion	Ratio	Lower	Upper
142	100		
127	49.4	35.3	52.9
141	14.2	11.0	16.6



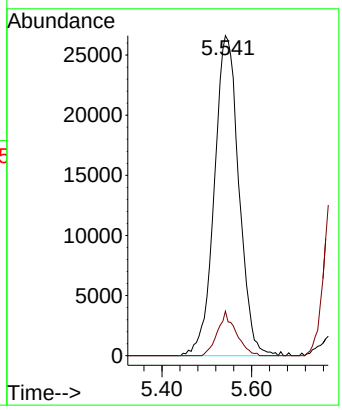


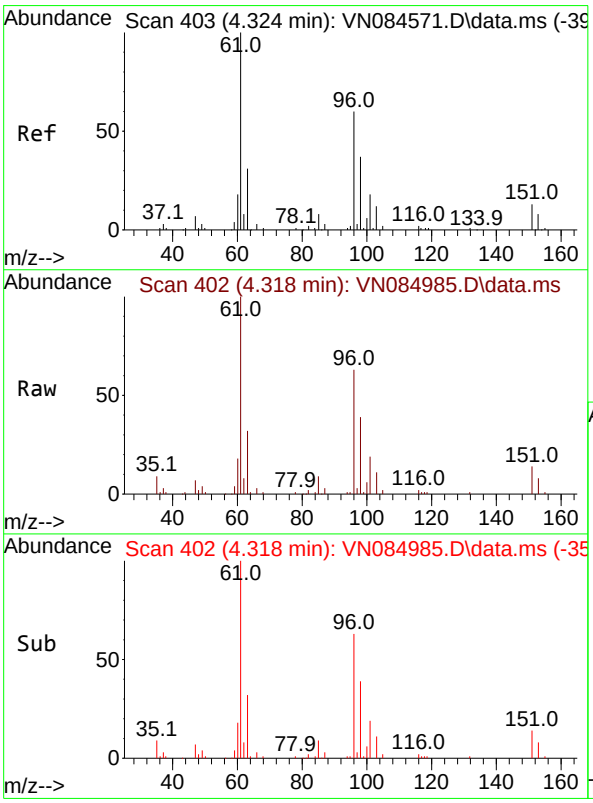
#11
Tert butyl alcohol
Concen: 361.410 ug/l
RT: 5.541 min Scan# 61
Delta R.T. 0.018 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 101367

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

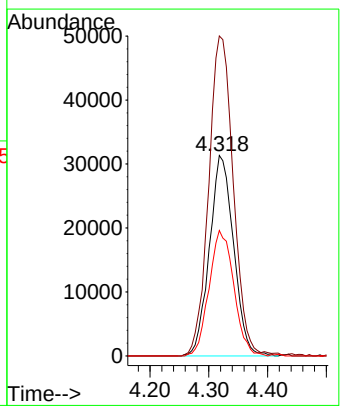


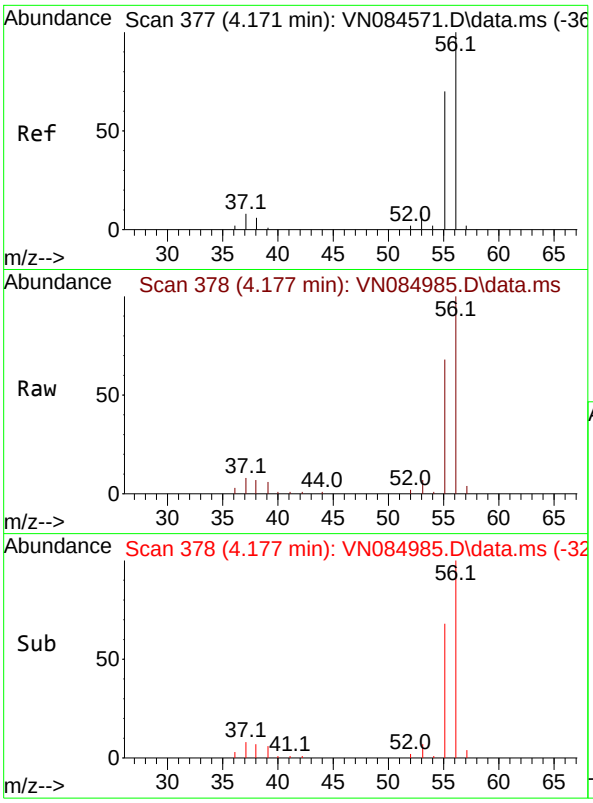


#12
1,1-Dichloroethene
Concen: 53.467 ug/l
RT: 4.318 min Scan# 402
Delta R.T. -0.024 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 96 Resp: 89577

Ion	Ratio	Lower	Upper
96	100		
61	159.7	128.6	192.8
98	62.6	51.7	77.5



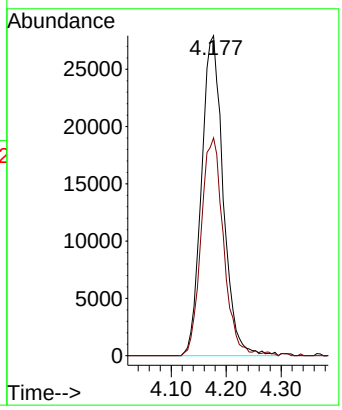


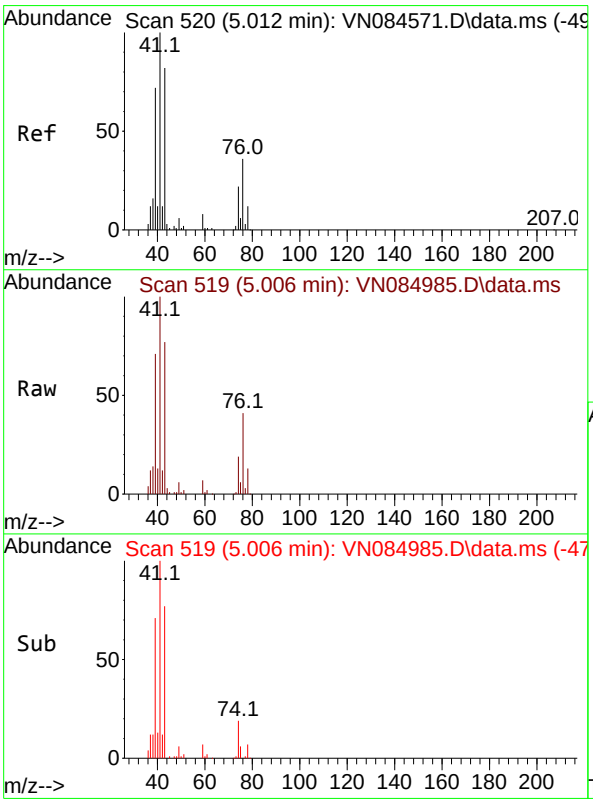
#13
Acrolein
Concen: 273.856 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 76593

Ion	Ratio	Lower	Upper
56	100		
55	70.2	57.2	85.8

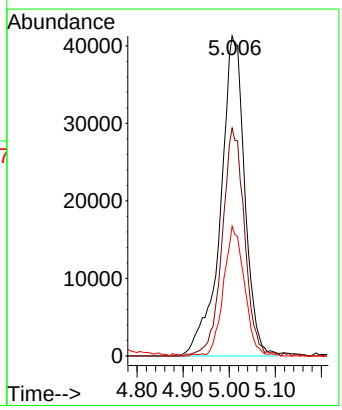


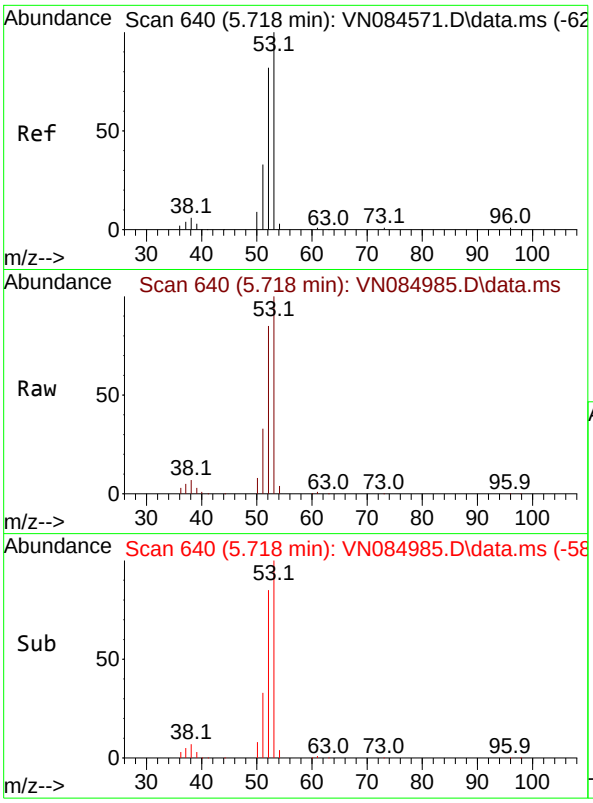


#14
Allyl chloride
Concen: 55.481 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.018 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 41 Resp: 150741

Ion	Ratio	Lower	Upper
41	100		
39	65.5	59.0	88.6
76	34.9	29.8	44.6



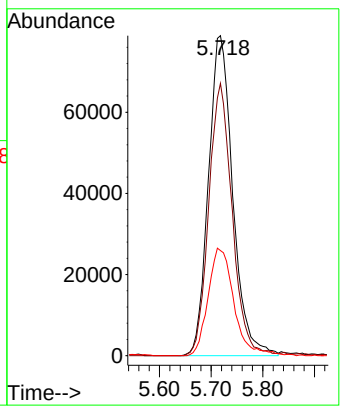


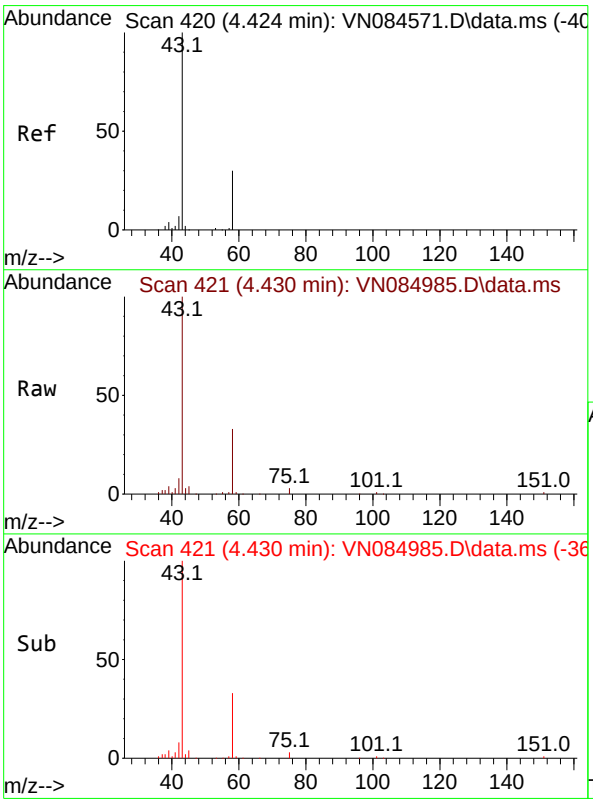
#15
Acrylonitrile
Concen: 317.602 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 257882

Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.2	99.4
51	35.7	28.8	43.2

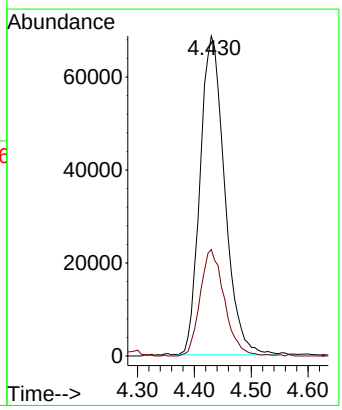


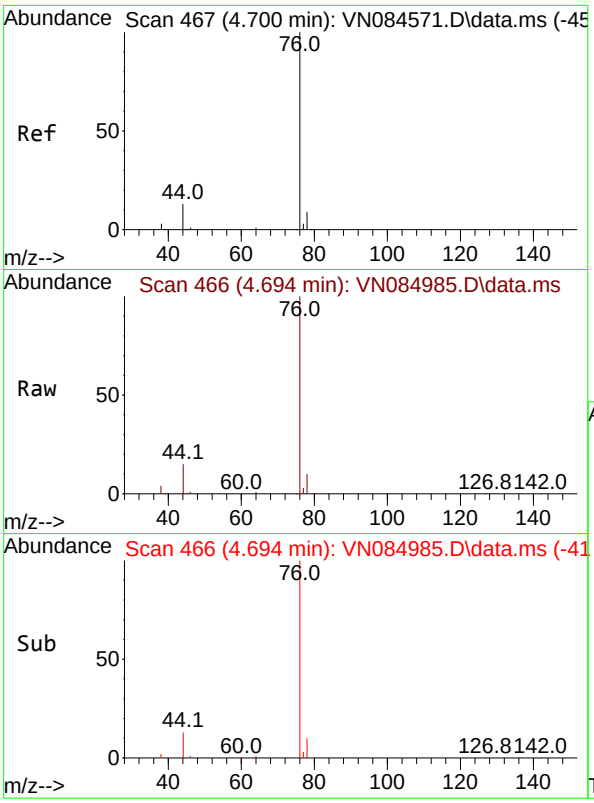


#16
Acetone
Concen: 337.153 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 43 Resp: 206332

Ion	Ratio	Lower	Upper
43	100		
58	33.4	24.4	36.6



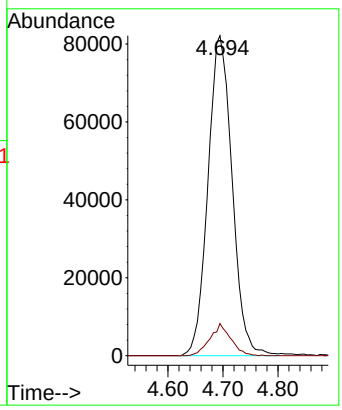


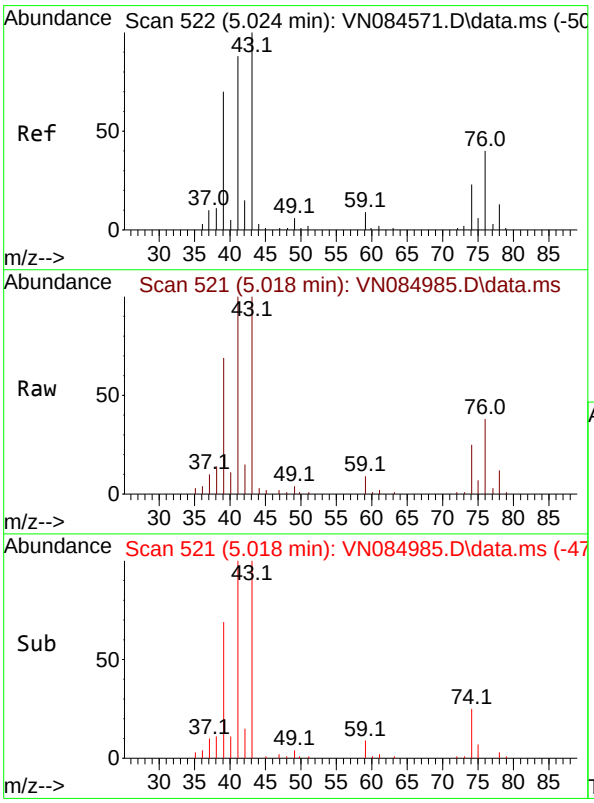
#17
Carbon Disulfide
Concen: 48.686 ug/l
RT: 4.694 min Scan# 4
Delta R.T. -0.018 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 251188

Ion	Ratio	Lower	Upper
76	100		
78	10.1	7.3	10.9

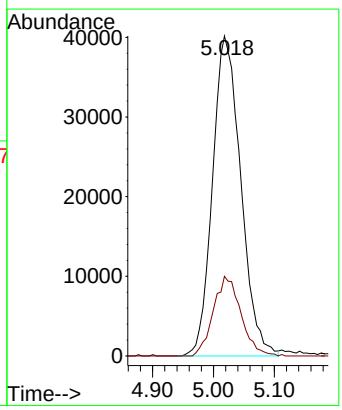


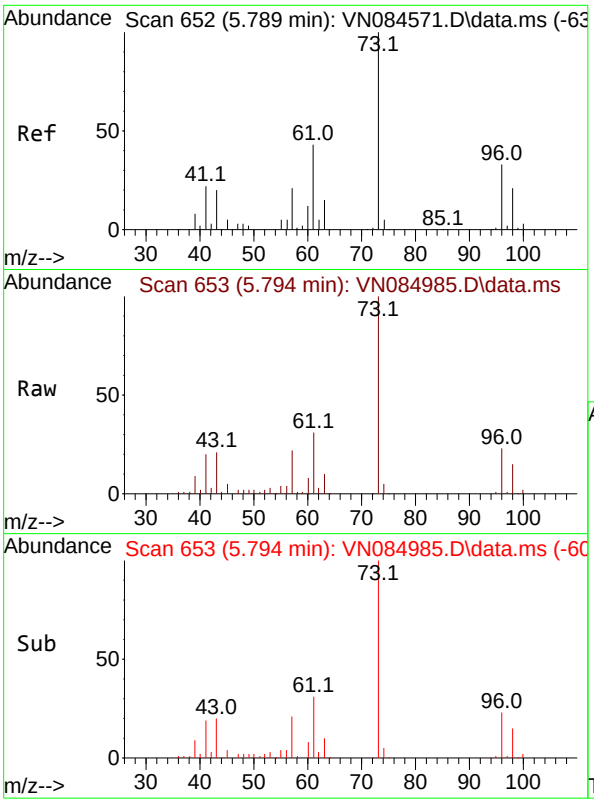


#18
Methyl Acetate
Concen: 58.427 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 43 Resp: 129491

Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.2	28.8



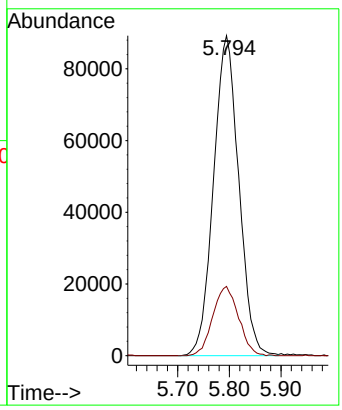


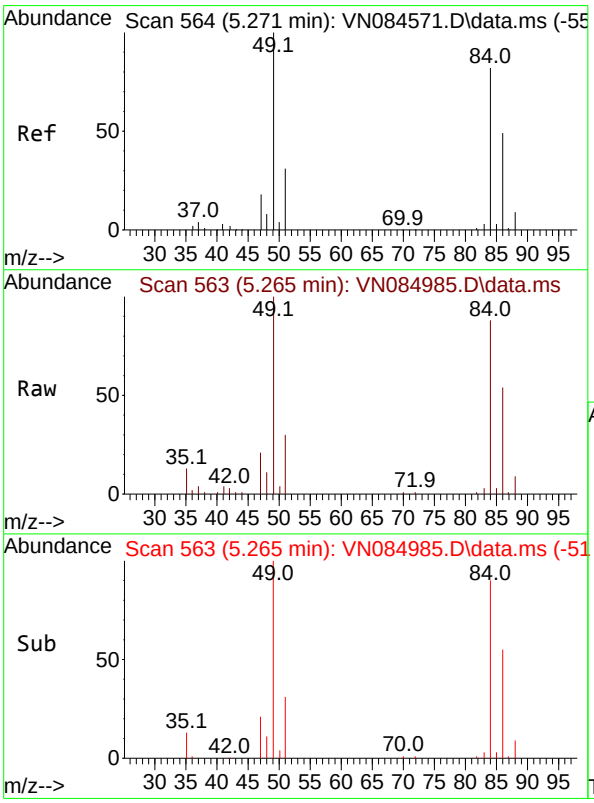
#19
Methyl tert-butyl Ether
Concen: 58.918 ug/l
RT: 5.794 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 302548

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.7	26.5

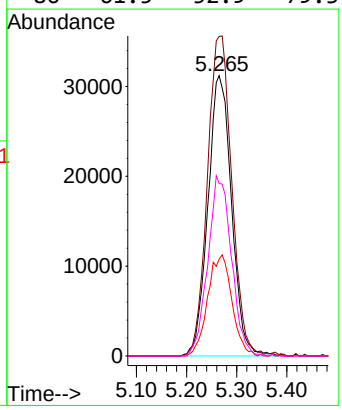


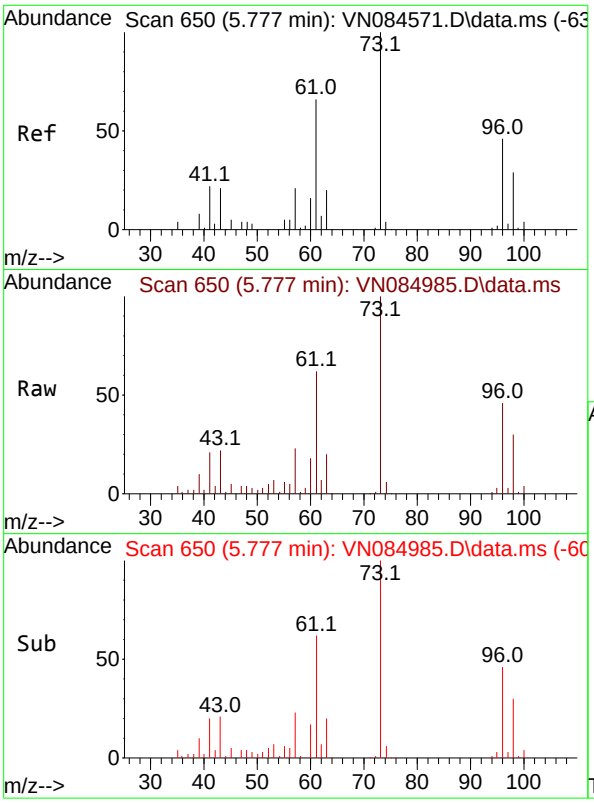


#20
Methylene Chloride
Concen: 54.742 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 84 Resp: 102304

Ion	Ratio	Lower	Upper
84	100		
49	114.0	107.2	160.8
51	34.5	31.8	47.8
86	61.5	52.9	79.3



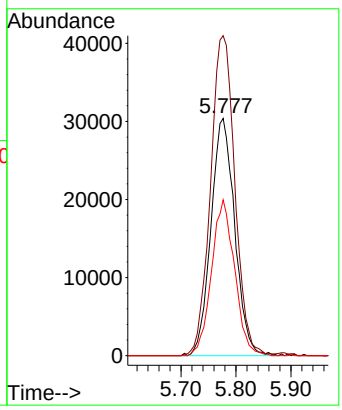


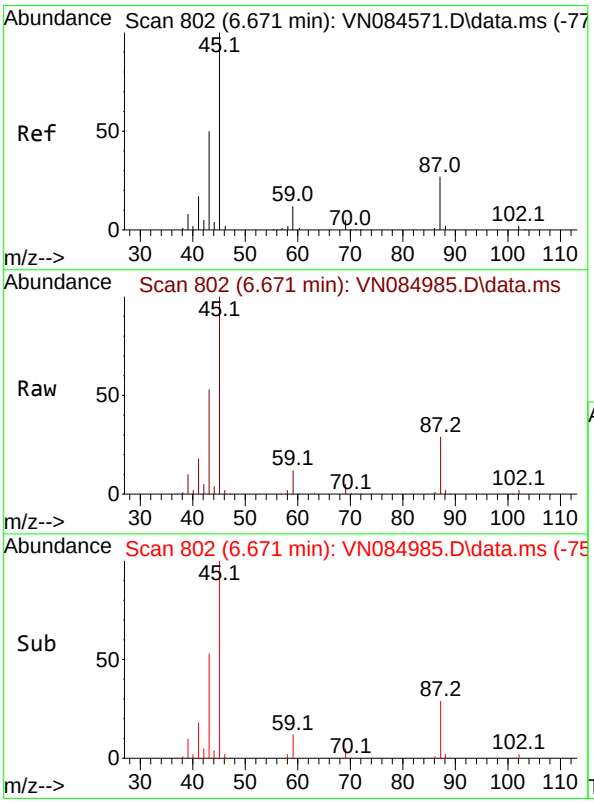
#21
trans-1,2-Dichloroethene
Concen: 53.204 ug/l
RT: 5.777 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 91527

Ion	Ratio	Lower	Upper
96	100		
61	134.9	108.4	162.6
98	65.7	49.8	74.8

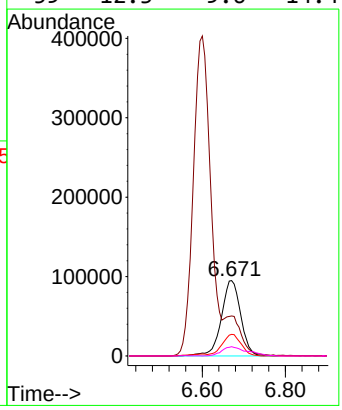


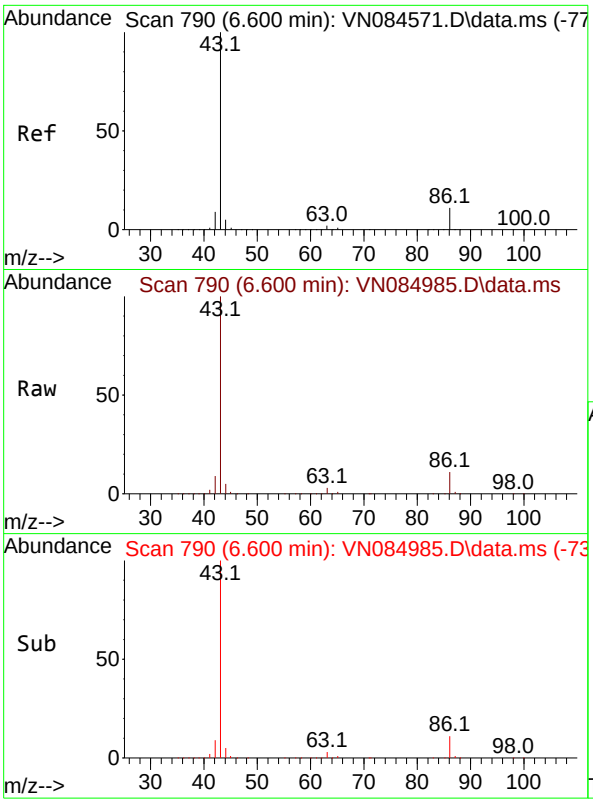


#22
Diisopropyl ether
Concen: 56.891 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 45 Resp: 307141

Ion	Ratio	Lower	Upper
45	100		
43	52.1	42.3	63.5
87	28.4	21.8	32.6
59	12.3	9.6	14.4



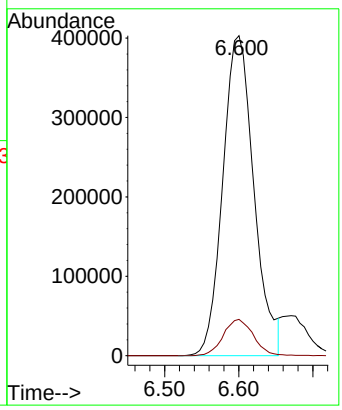


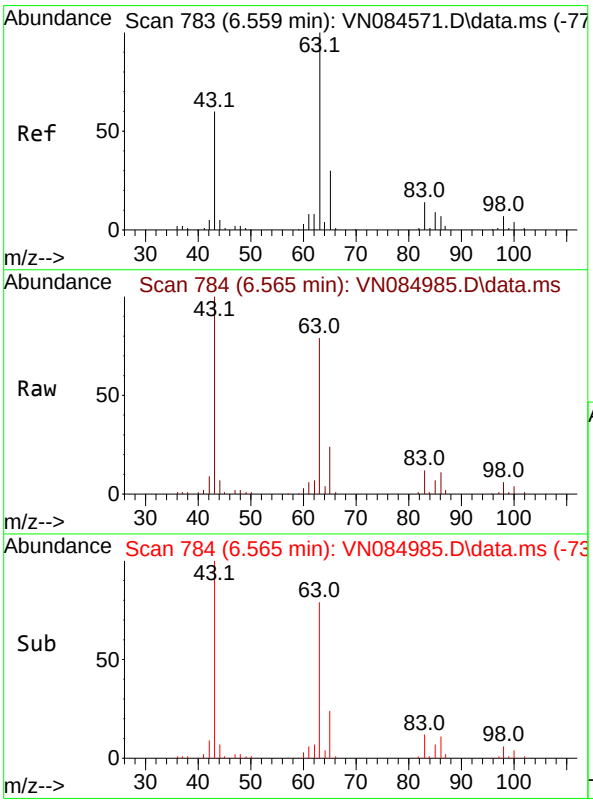
#23
Vinyl Acetate
Concen: 315.894 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1176079

Ion	Ratio	Lower	Upper
43	100		
86	11.3	8.6	12.8

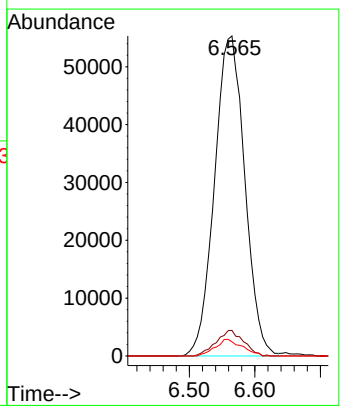


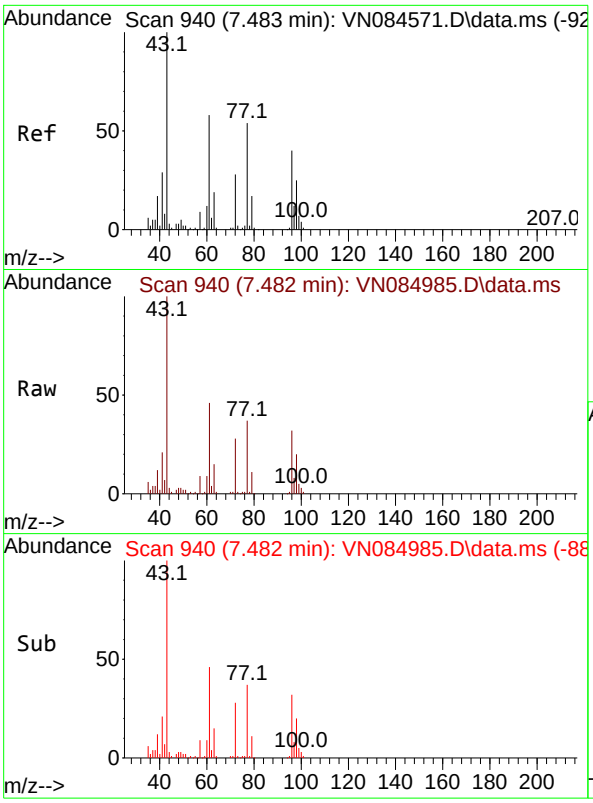


#24
1,1-Dichloroethane
Concen: 54.624 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 63 Resp: 177051

Ion	Ratio	Lower	Upper
63	100		
98	8.0	3.4	10.2
100	4.5	2.0	5.8



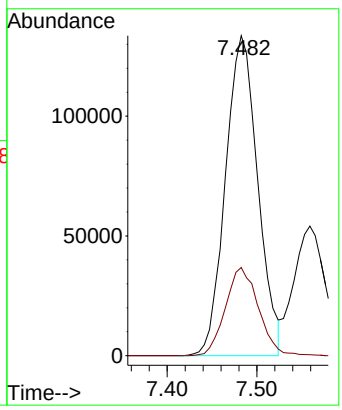


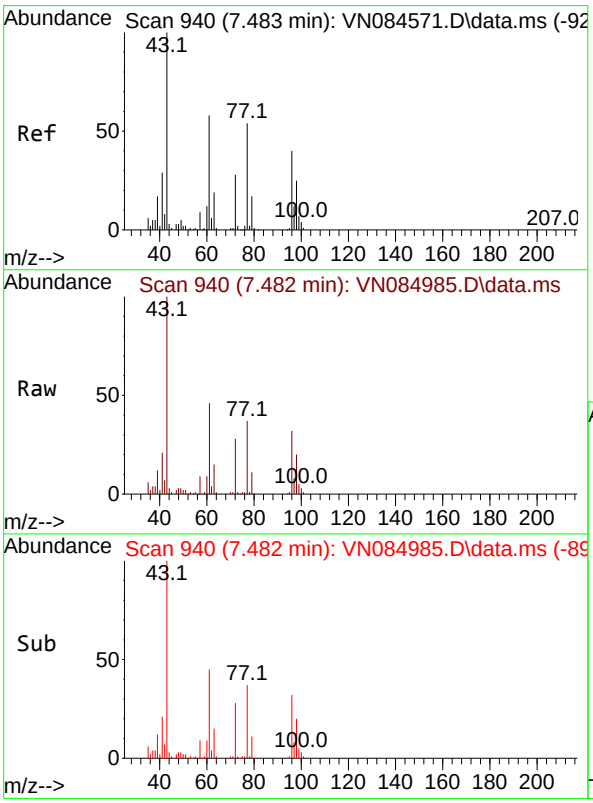
#25
2-Butanone
Concen: 337.529 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 334599

Ion	Ratio	Lower	Upper
43	100		
72	27.6	21.4	32.2

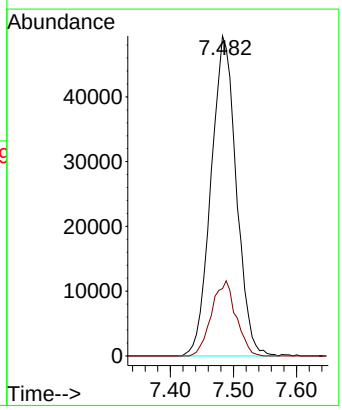


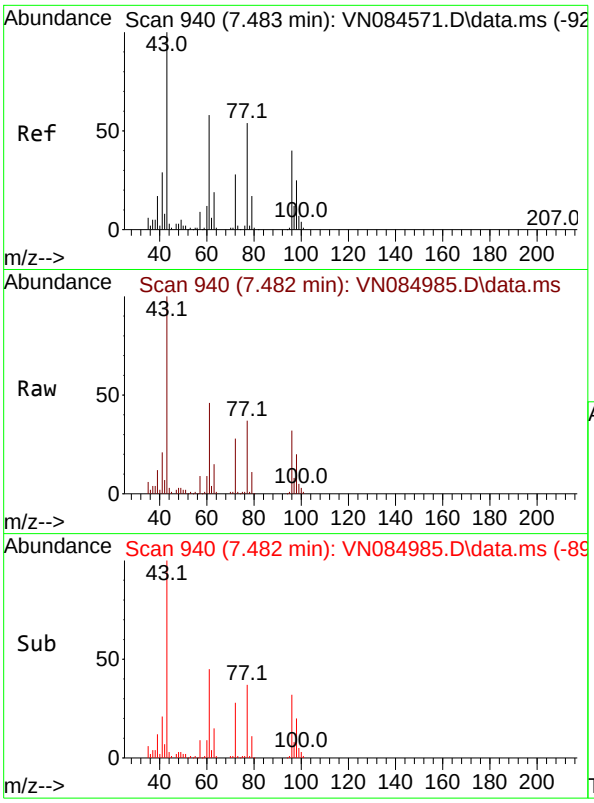


#26
2,2-Dichloropropane
Concen: 48.745 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 77 Resp: 137513

Ion	Ratio	Lower	Upper
77	100		
97	22.8	10.8	32.3



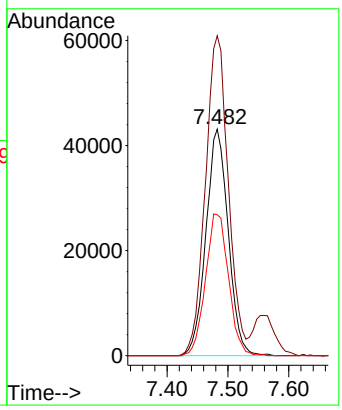


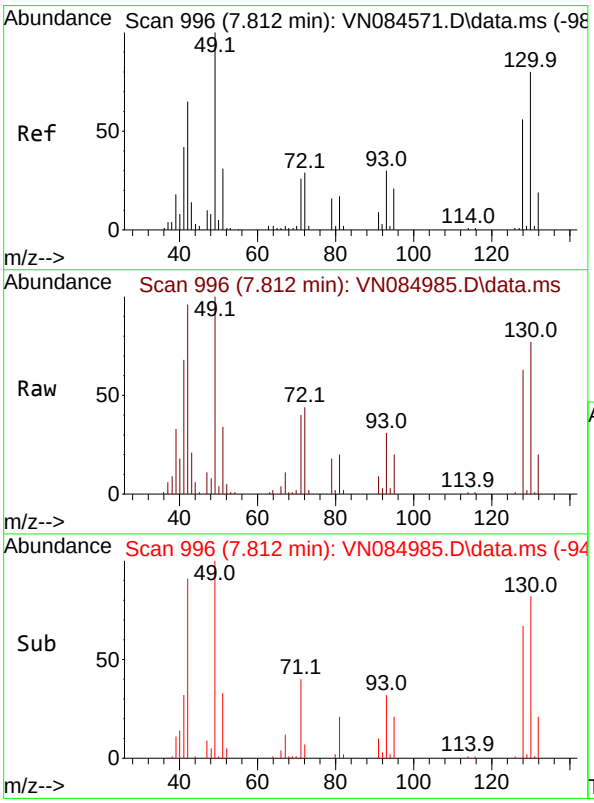
#27
cis-1,2-Dichloroethene
Concen: 54.705 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 109886

Ion	Ratio	Lower	Upper
96	100		
61	144.7	0.0	301.8
98	64.6	0.0	128.2

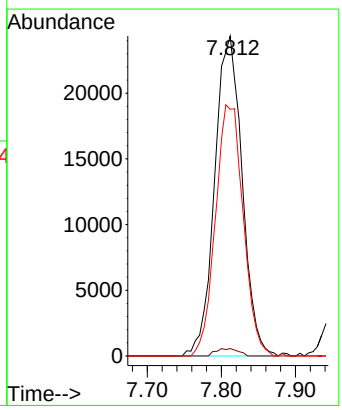


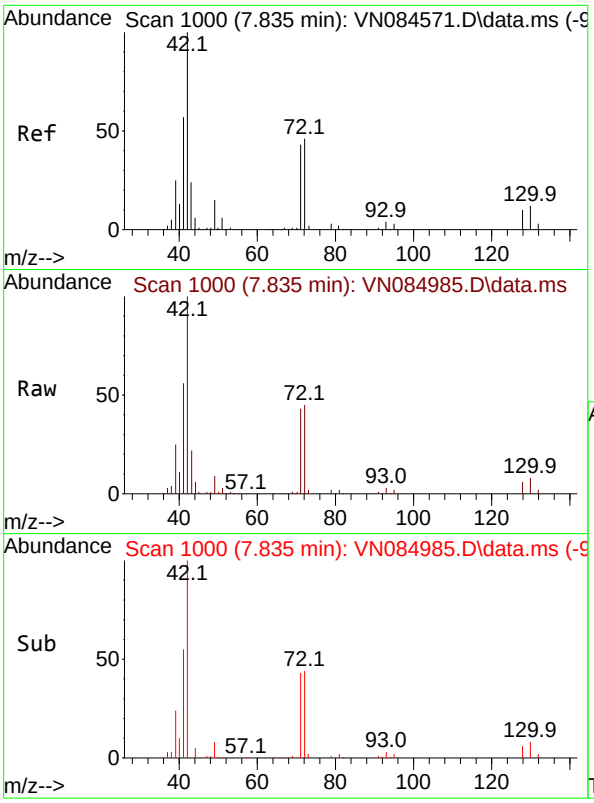


#28
Bromochloromethane
Concen: 48.556 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 49 Resp: 62703

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	79.2	58.0	87.0



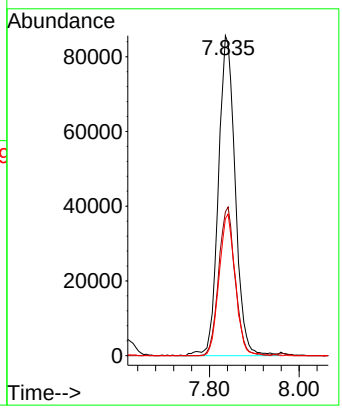


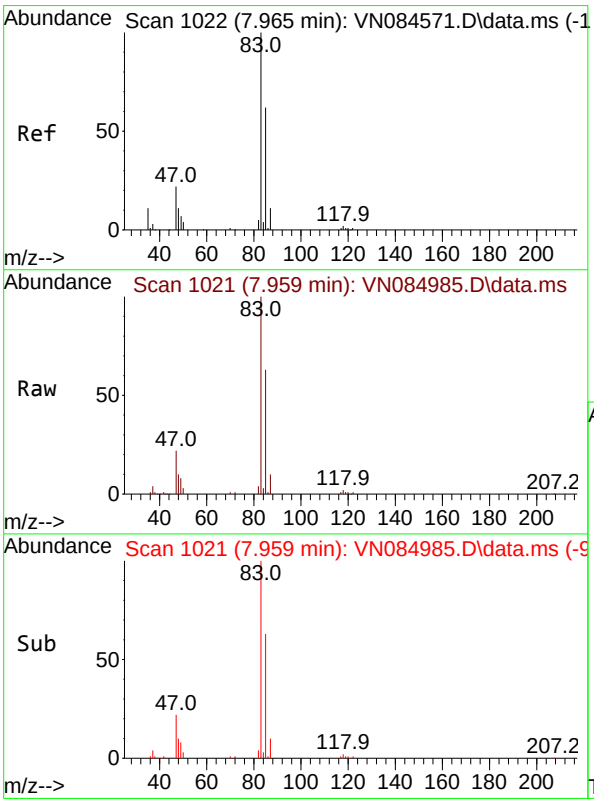
#29
Tetrahydrofuran
Concen: 339.405 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 223212

Ion	Ratio	Lower	Upper
42	100		
72	45.3	34.6	51.8
71	42.6	32.2	48.4

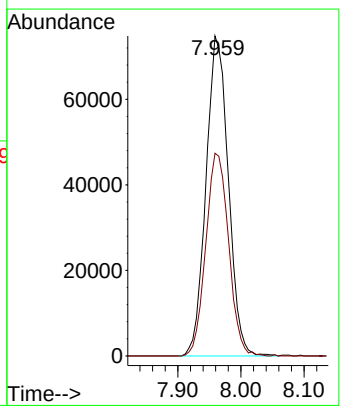


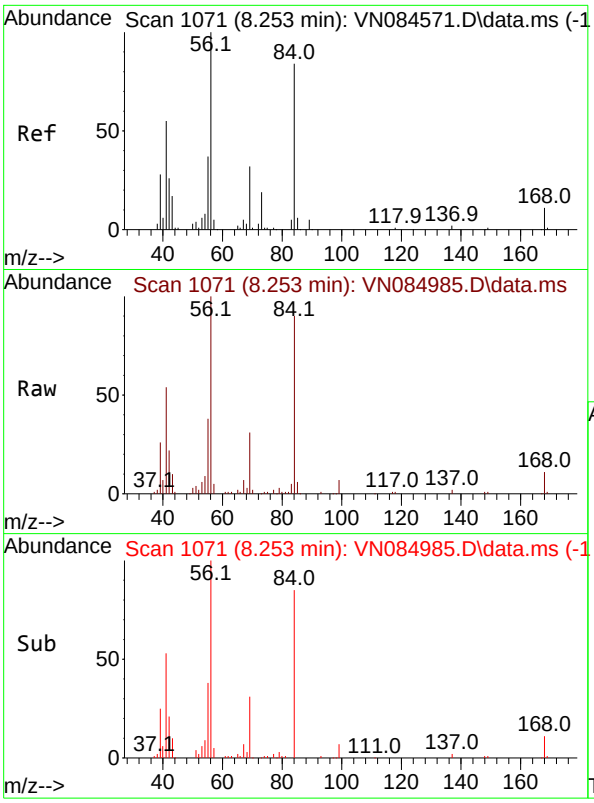


#30
Chloroform
Concen: 55.688 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 83 Resp: 183717

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.0	76.4



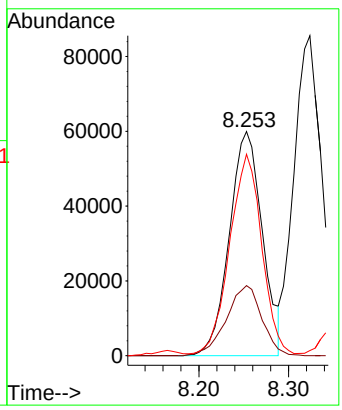


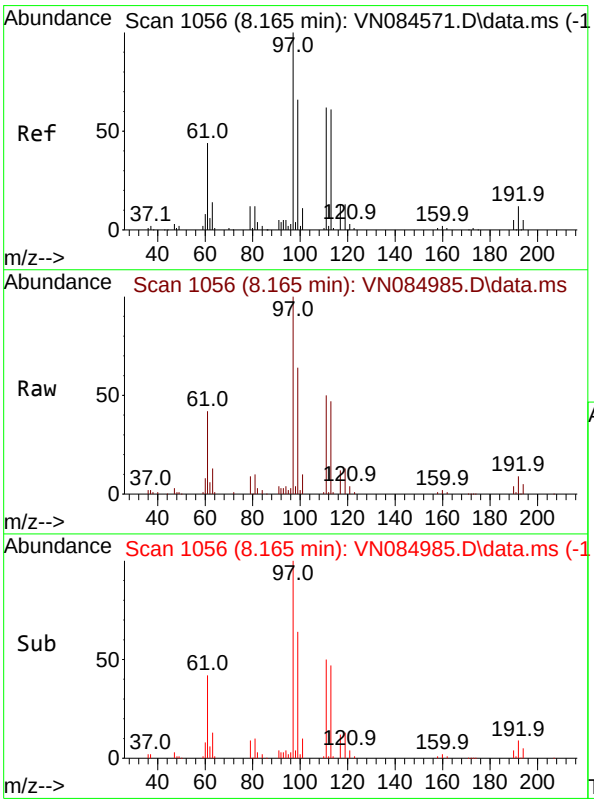
#31
Cyclohexane
Concen: 52.318 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 153481

Ion	Ratio	Lower	Upper
56	100		
69	31.3	23.8	35.6
84	88.4	68.8	103.2

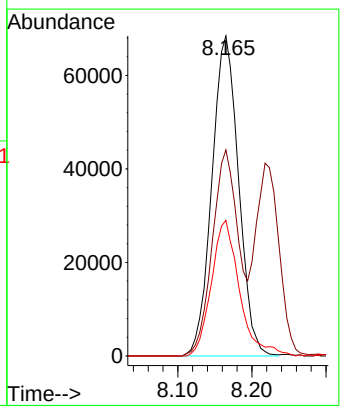


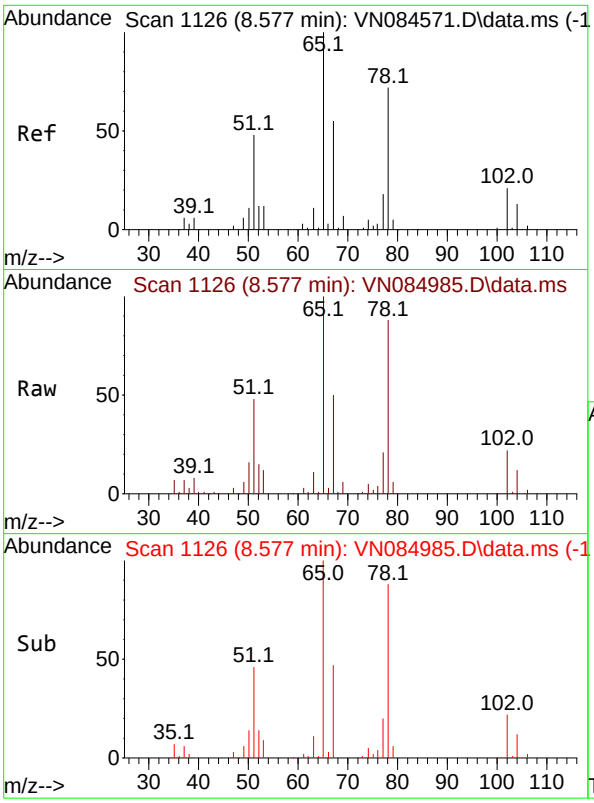


#32
1,1,1-Trichloroethane
Concen: 57.050 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 97 Resp: 171304

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.2	76.8
61	44.6	37.5	56.3



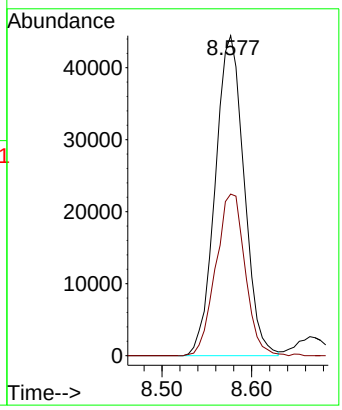


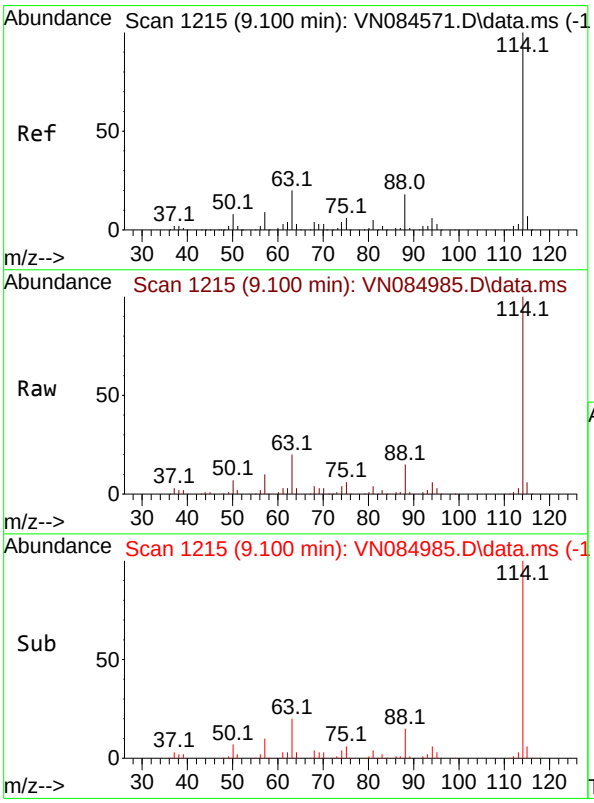
#33
1,2-Dichloroethane-d4
Concen: 46.586 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 98989

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	102.0

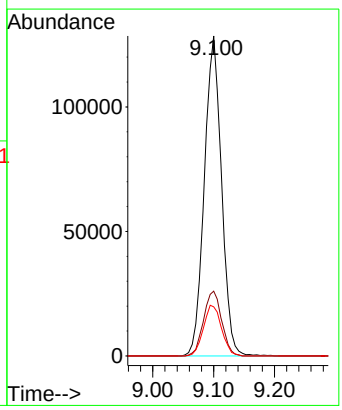


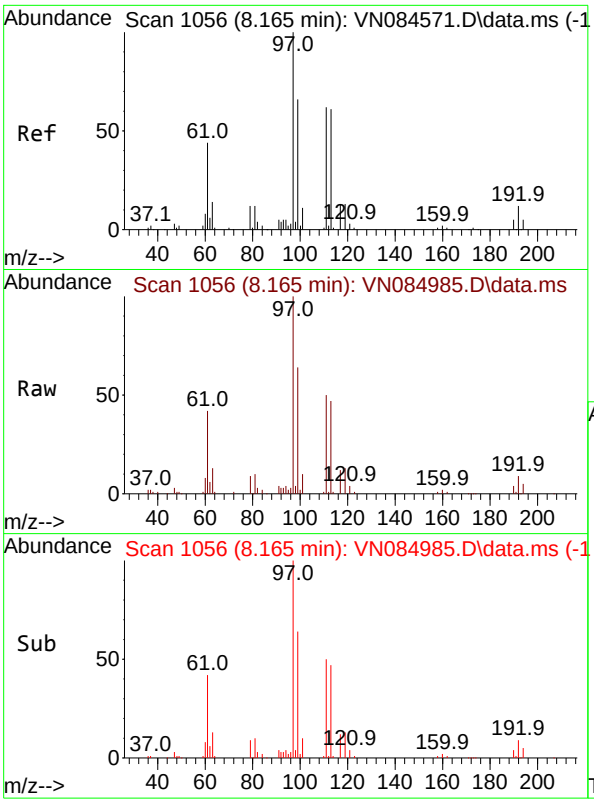


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:114 Resp: 252043

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	43.8
88	15.4	0.0	31.6



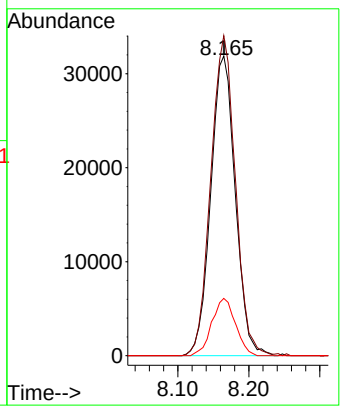


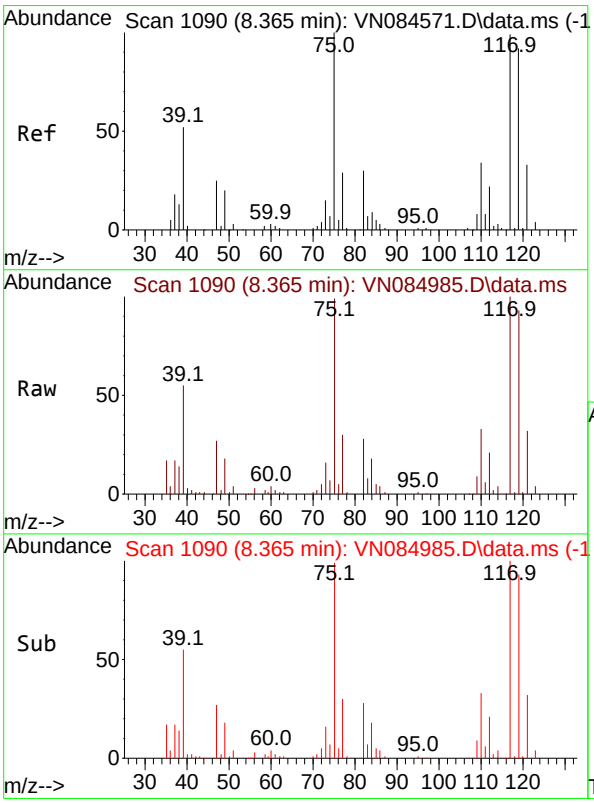
#35
Dibromofluoromethane
Concen: 44.743 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 76333

Ion	Ratio	Lower	Upper
113	100		
111	107.1	83.3	124.9
192	18.4	13.5	20.3

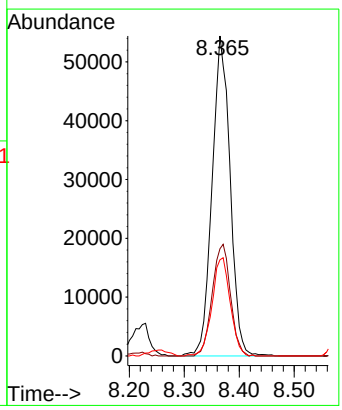


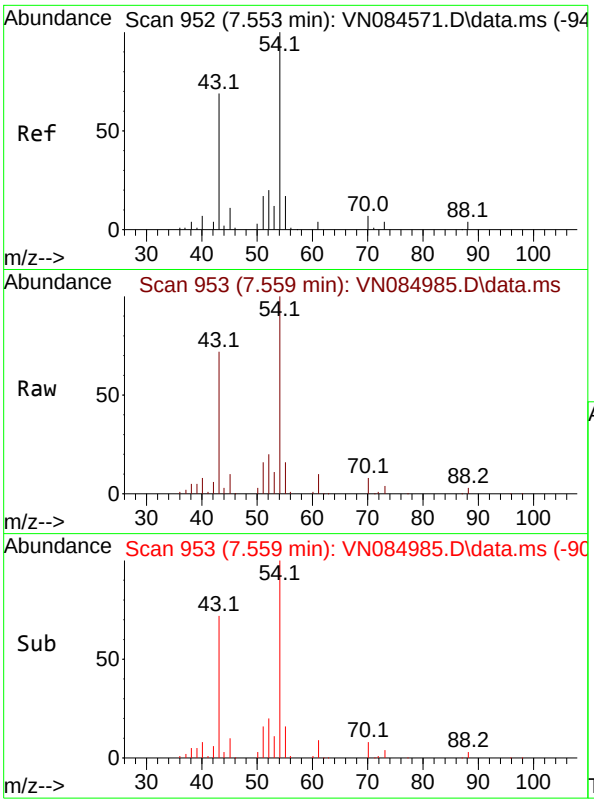


#36
1,1-Dichloropropene
Concen: 52.350 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 75 Resp: 123862

Ion	Ratio	Lower	Upper
75	100		
110	35.3	16.9	50.7
77	31.1	24.7	37.1



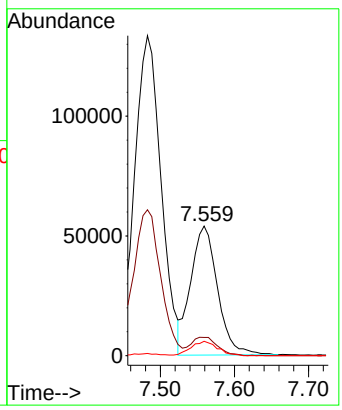


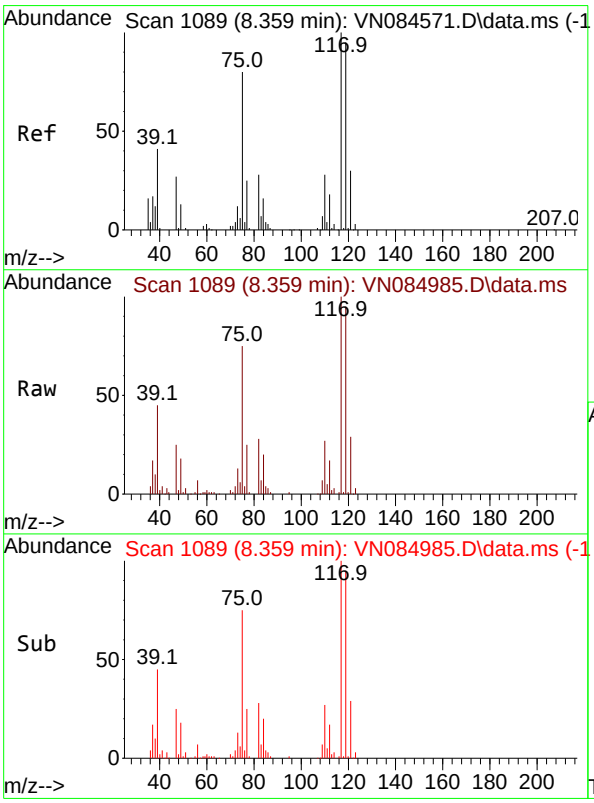
#37
Ethyl Acetate
Concen: 63.508 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 136332

Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.7	16.1
70	11.0	8.8	13.2

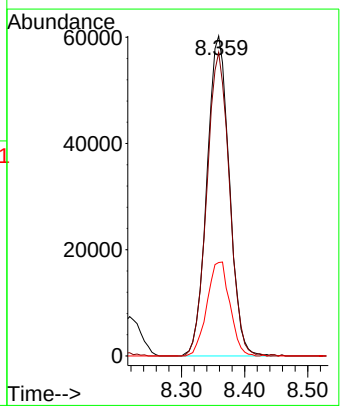


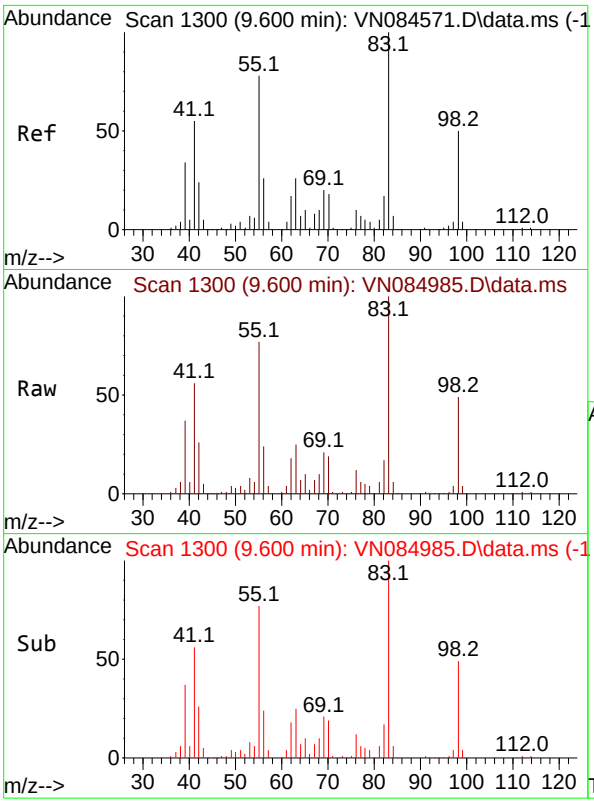


#38
Carbon Tetrachloride
Concen: 56.103 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:117 Resp: 148373

Ion	Ratio	Lower	Upper
117	100		
119	94.9	78.7	118.1
121	29.2	24.4	36.6



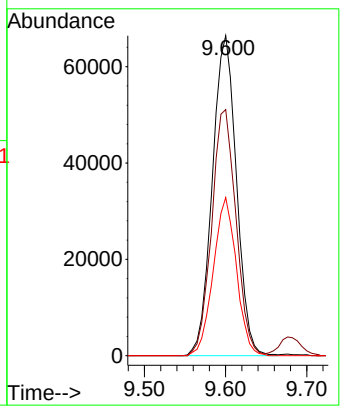


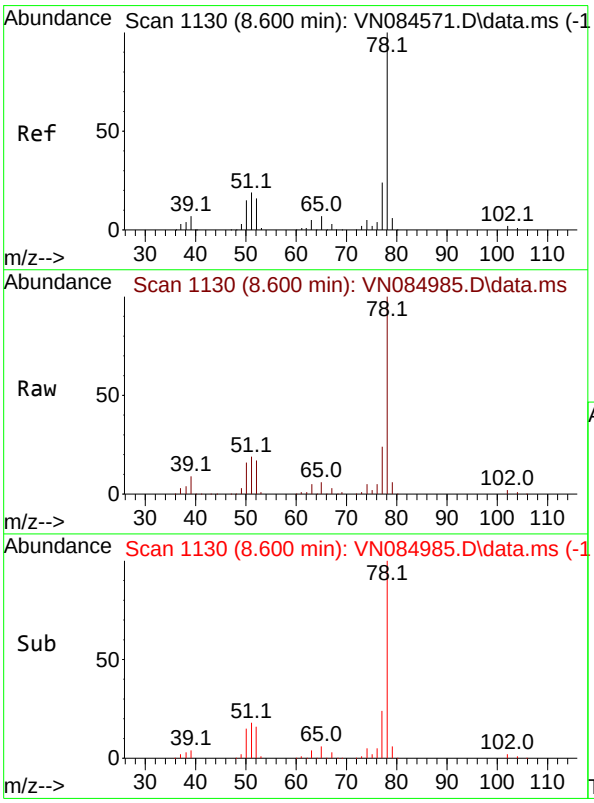
#39
Methylcyclohexane
Concen: 56.989 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 137174

Ion	Ratio	Lower	Upper
83	100		
55	76.9	62.8	94.2
98	49.4	38.8	58.2

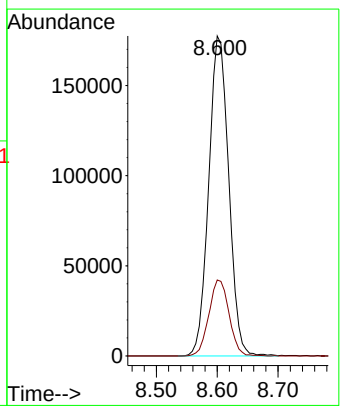


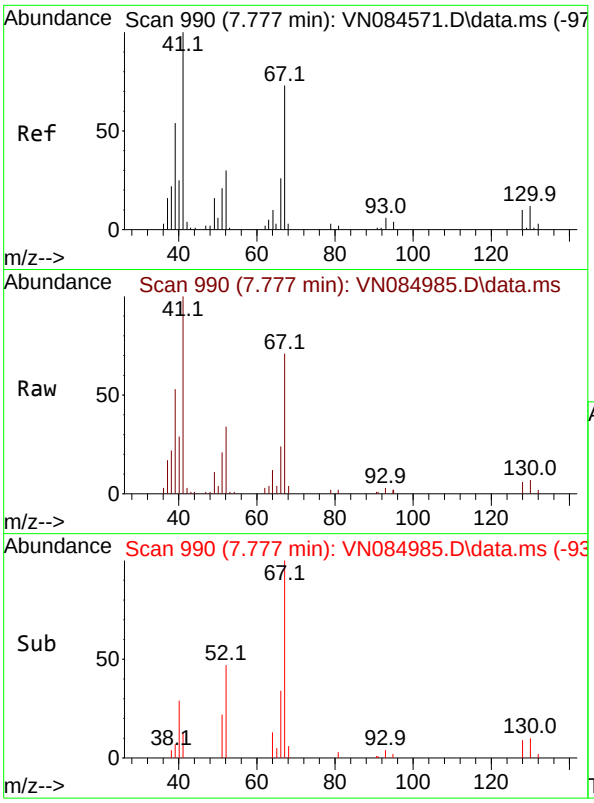


#40
Benzene
Concen: 53.231 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 78 Resp: 404475

Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7



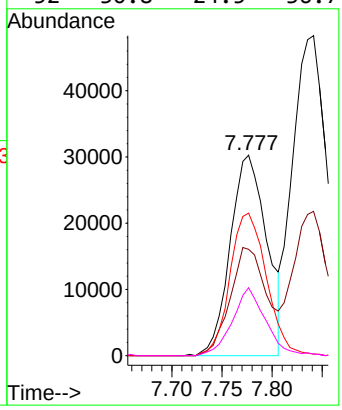


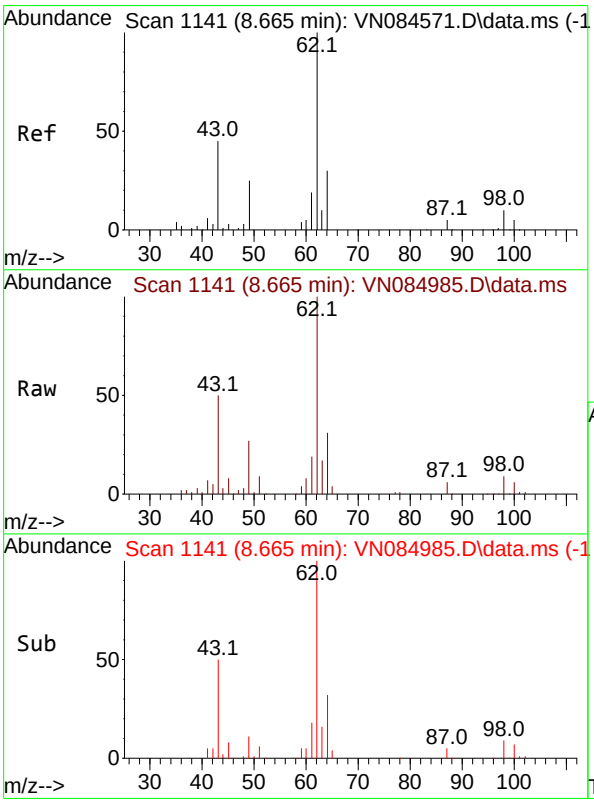
#41
Methacrylonitrile
Concen: 66.627 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 76915

Ion	Ratio	Lower	Upper
41	100		
39	53.8	43.3	64.9
67	71.1	56.1	84.1
52	30.8	24.5	36.7

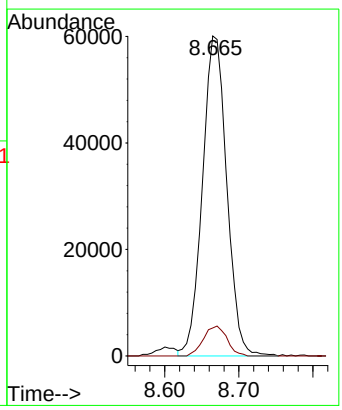


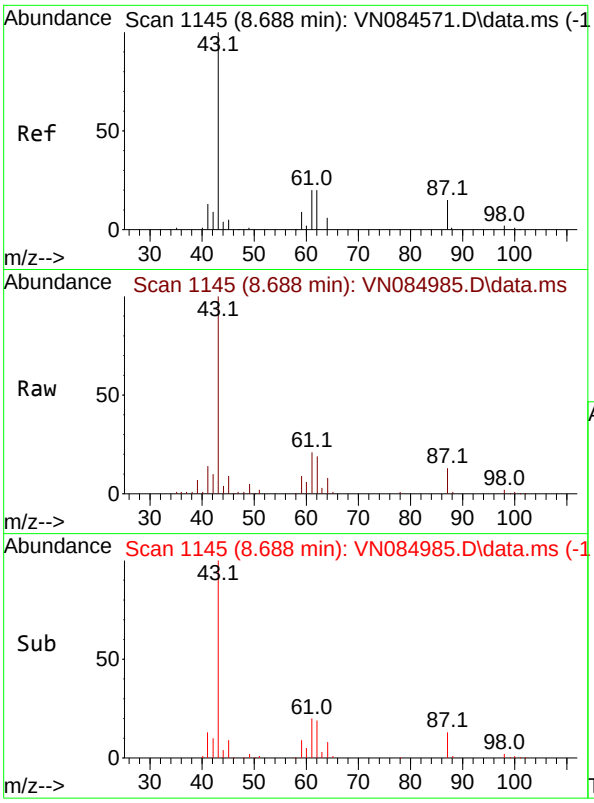


#42
1,2-Dichloroethane
Concen: 55.651 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 62 Resp: 136948

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2



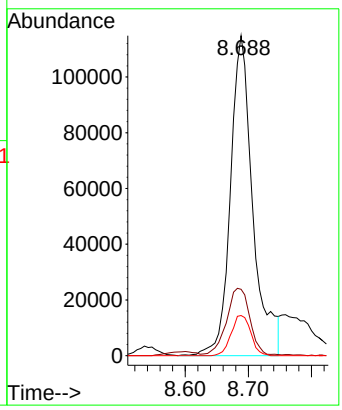


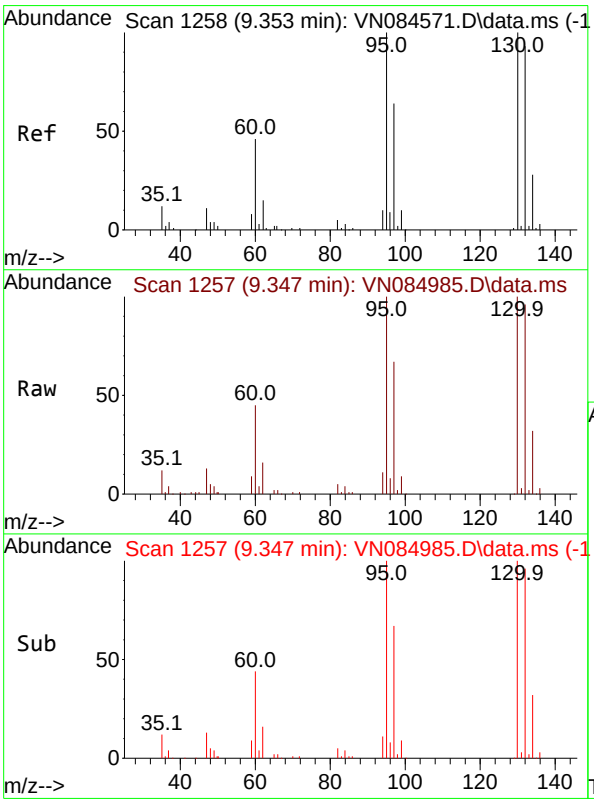
#43
Isopropyl Acetate
Concen: 72.124 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 284340

Ion	Ratio	Lower	Upper
43	100		
61	21.6	20.4	30.6
87	10.9	10.3	15.5

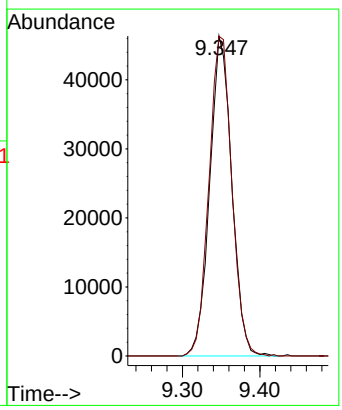


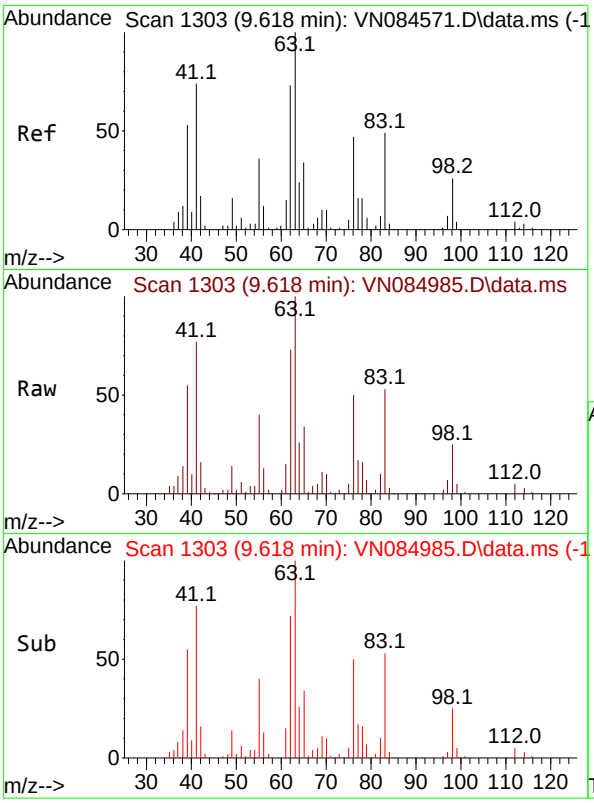


#44
Trichloroethene
Concen: 52.196 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:130 Resp: 91468

Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	203.0



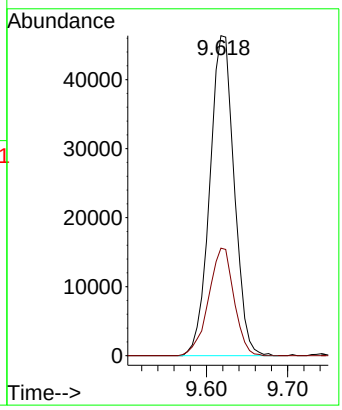


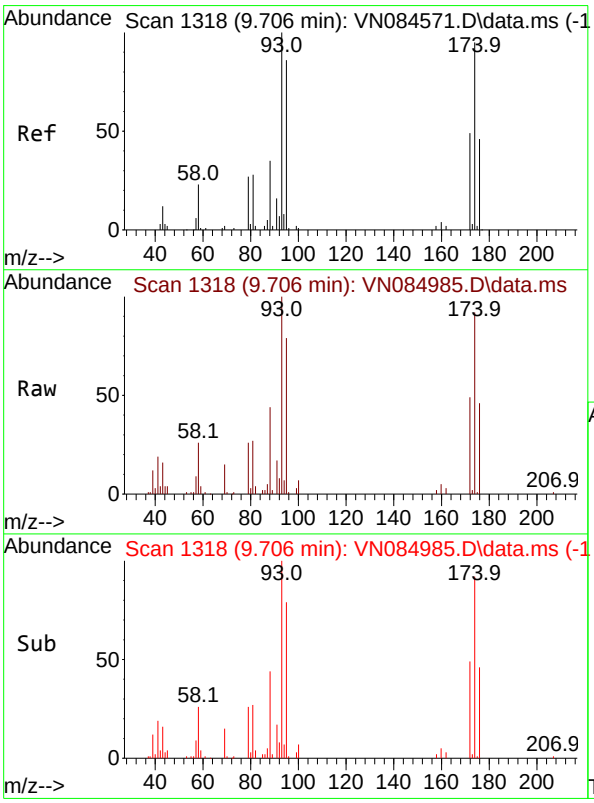
#45
1,2-Dichloropropane
Concen: 54.315 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 96814

Ion	Ratio	Lower	Upper
63	100		
65	33.6	24.6	37.0

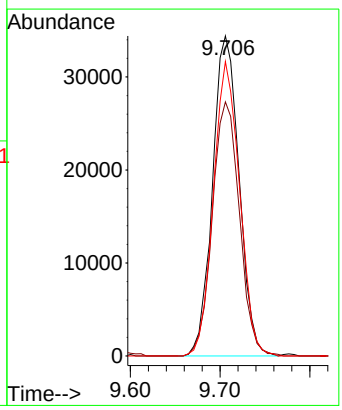


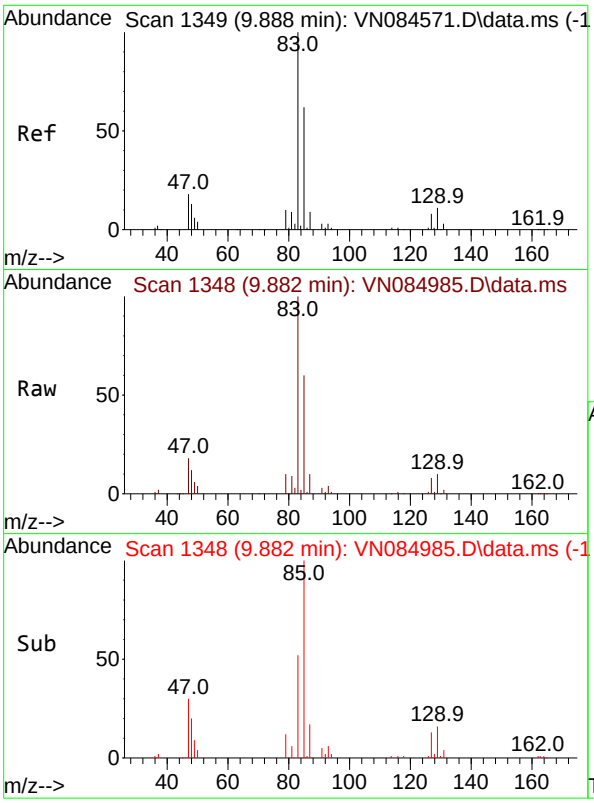


#46
Dibromomethane
Concen: 56.100 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 93 Resp: 70561

Ion	Ratio	Lower	Upper
93	100		
95	81.2	65.0	97.4
174	90.9	71.8	107.8



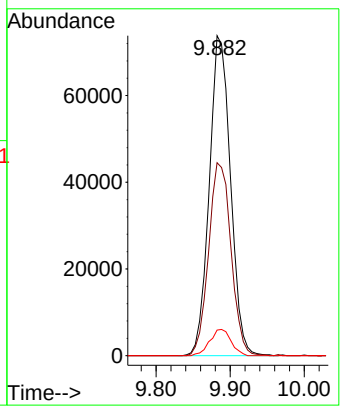


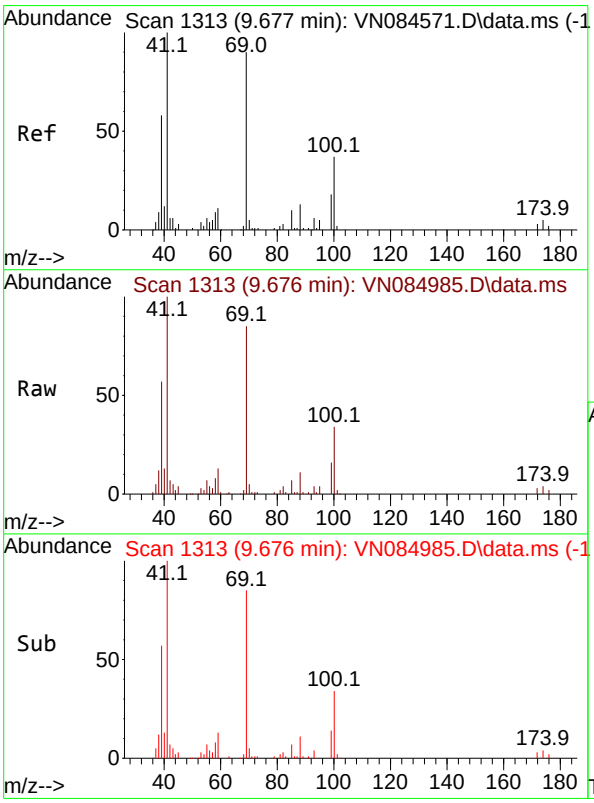
#47
Bromodichloromethane
Concen: 55.287 ug/l
RT: 9.882 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 146582

Ion	Ratio	Lower	Upper
83	100		
85	60.3	51.5	77.3
127	8.0	5.7	8.5

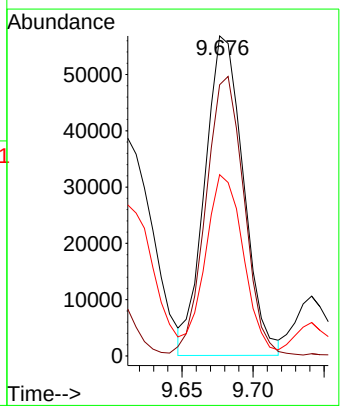


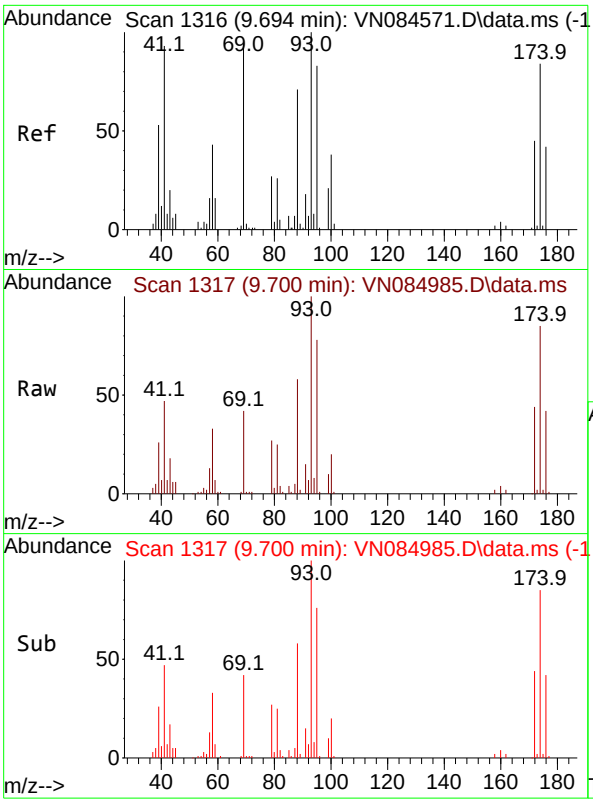


#48
Methyl methacrylate
Concen: 64.200 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 41 Resp: 107261

Ion	Ratio	Lower	Upper
41	100		
69	86.2	67.1	100.7
39	56.9	45.8	68.6



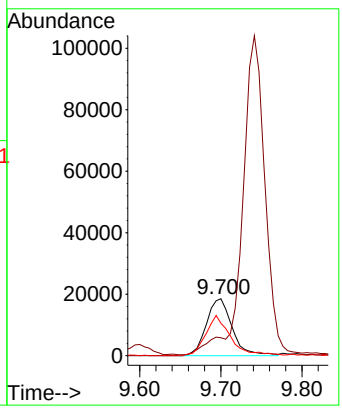


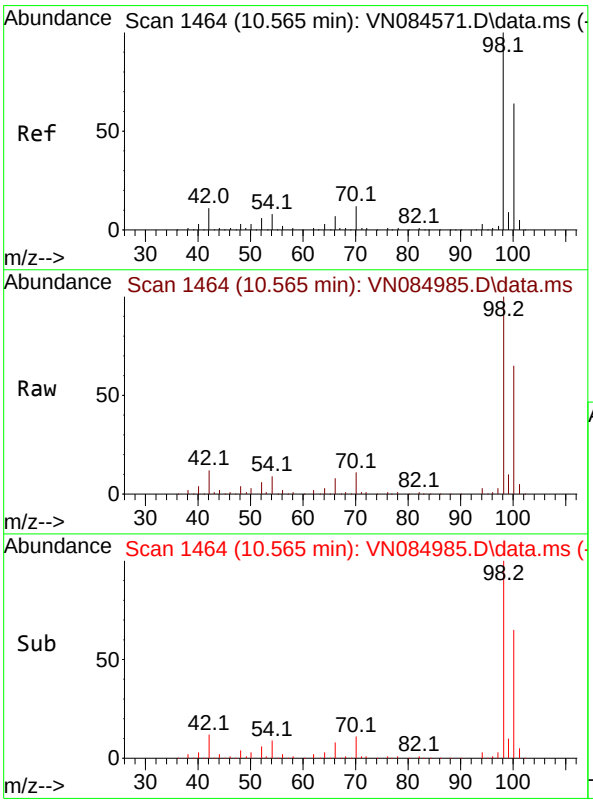
#49
1,4-Dioxane
Concen: 1379.814 ug/l
RT: 9.700 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 40851

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	68.2	56.4	84.6

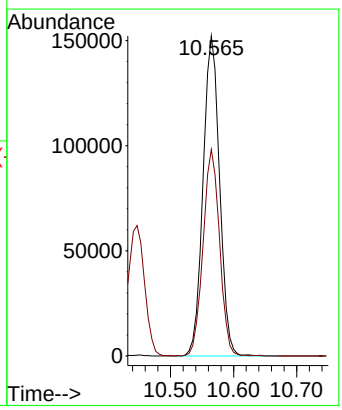


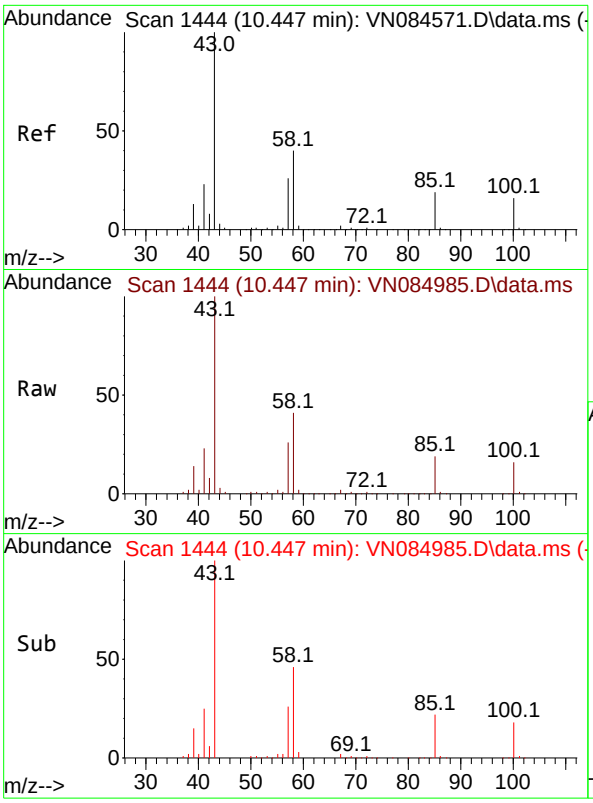


#50
Toluene-d8
Concen: 43.992 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 98 Resp: 276464

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.7	79.1



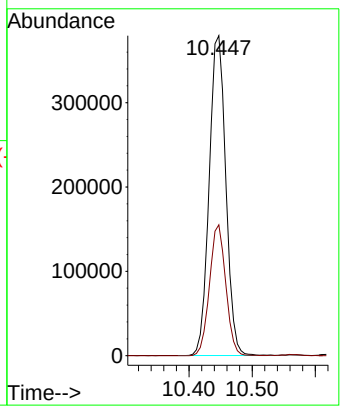


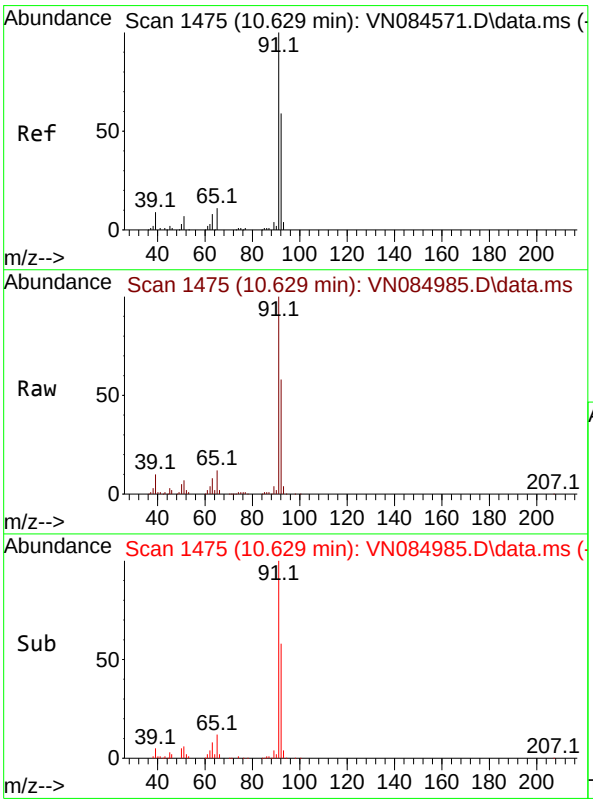
#51
4-Methyl-2-Pentanone
Concen: 338.851 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 693441

Ion	Ratio	Lower	Upper
43	100		
58	40.0	31.6	47.4

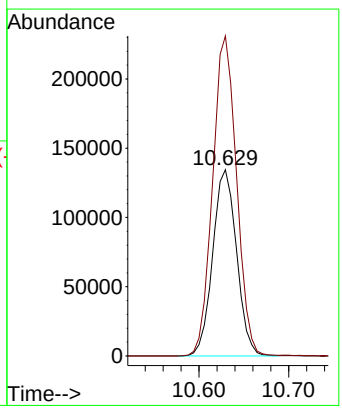


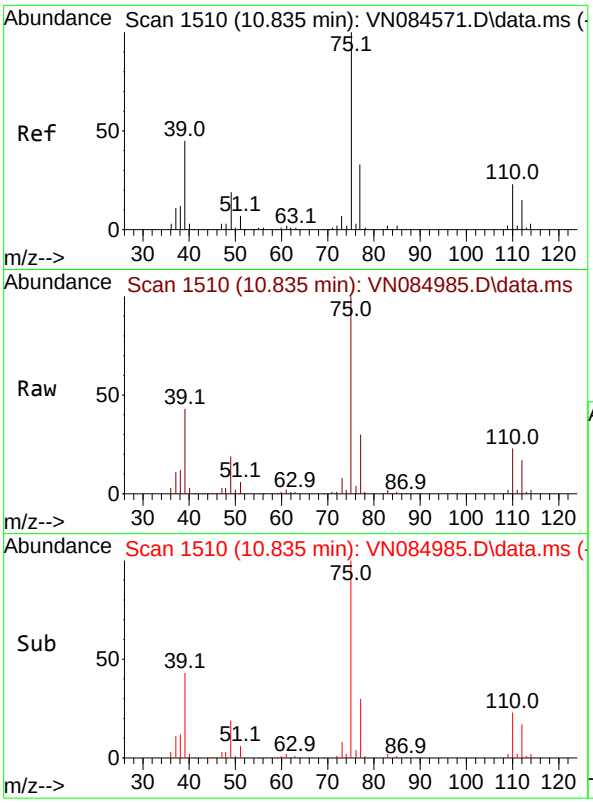


#52
Toluene
Concen: 55.875 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 92 Resp: 248305

Ion	Ratio	Lower	Upper
92	100		
91	172.5	137.3	205.9



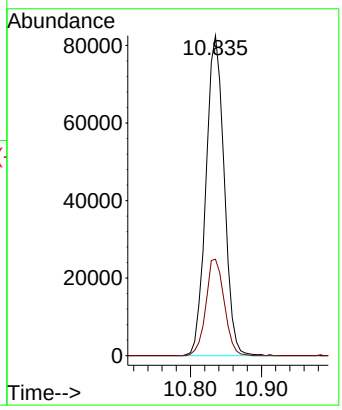


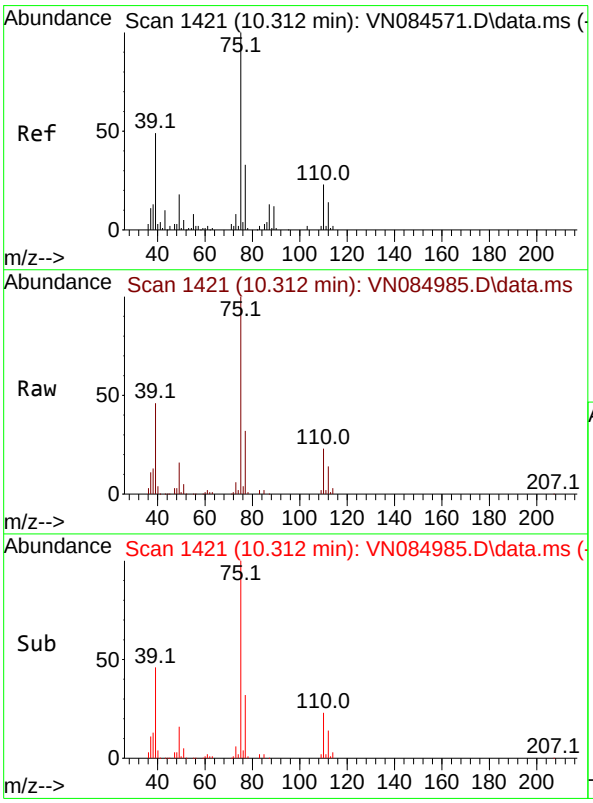
#53
t-1,3-Dichloropropene
Concen: 53.518 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 146872

Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.4	38.0

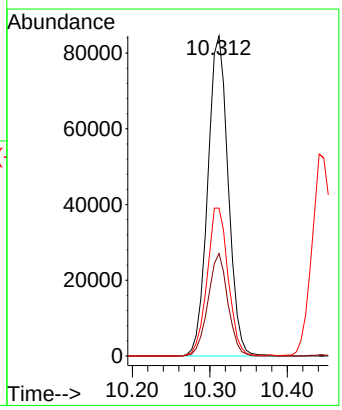


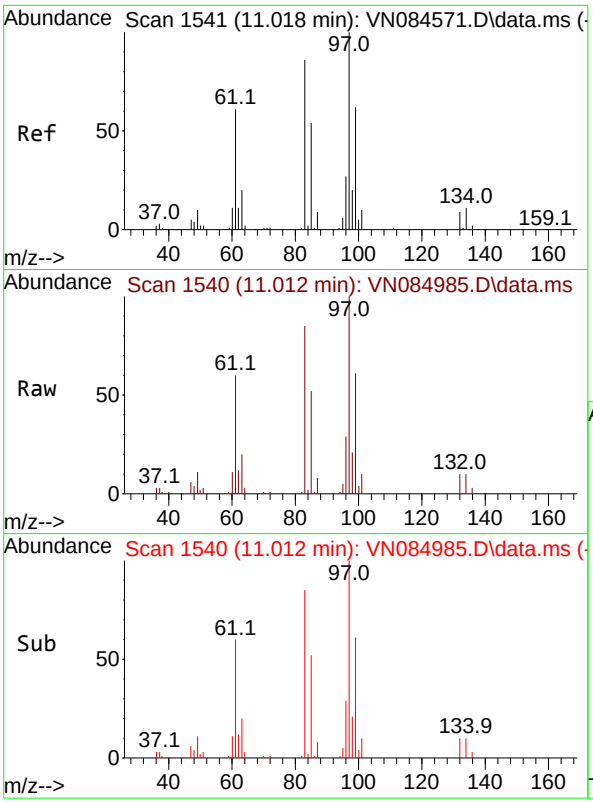


#54
cis-1,3-Dichloropropene
Concen: 53.254 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 75 Resp: 154682

Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.2	36.2
39	46.2	38.7	58.1



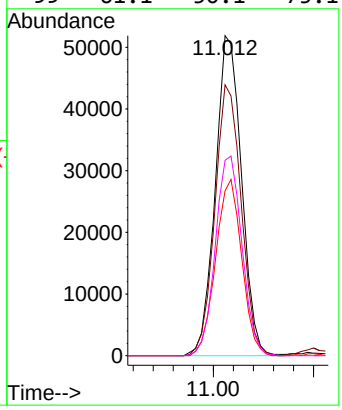


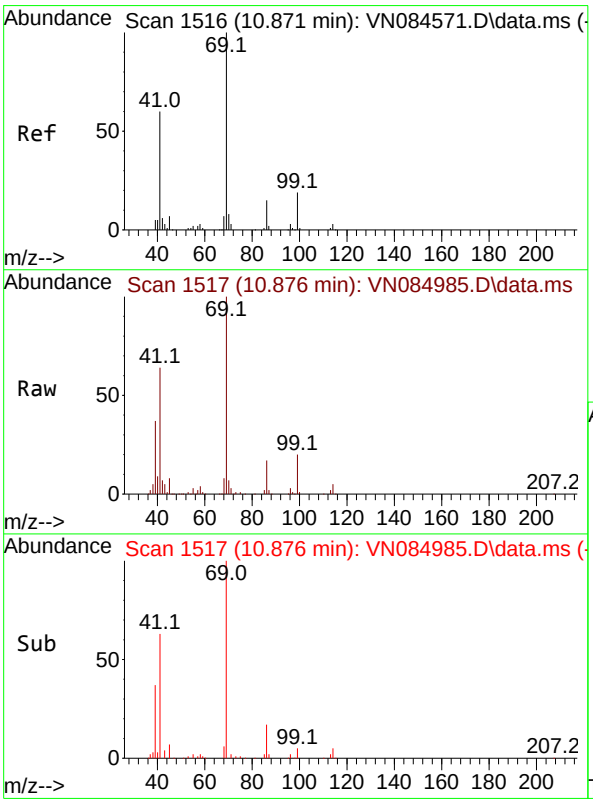
#55
1,1,2-Trichloroethane
Concen: 56.186 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 94055

Ion	Ratio	Lower	Upper
97	100		
83	84.7	71.0	106.4
85	51.5	41.7	62.5
99	61.1	50.1	75.1

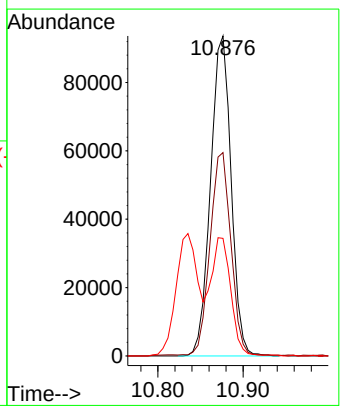


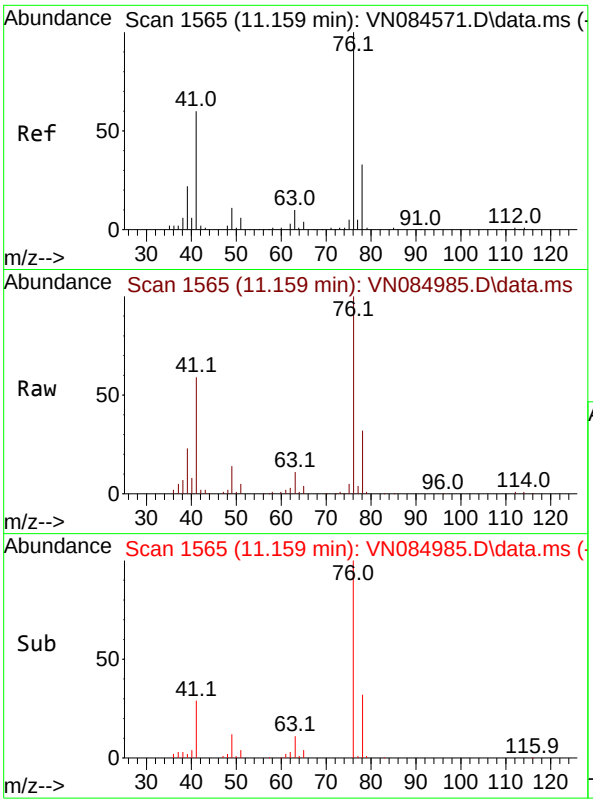


#56
Ethyl methacrylate
Concen: 64.783 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 69 Resp: 156862

Ion	Ratio	Lower	Upper
69	100		
41	64.2	53.3	79.9
39	35.9	28.8	43.2



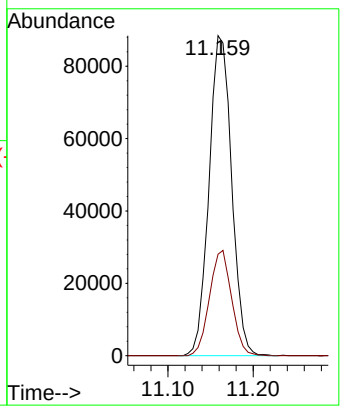


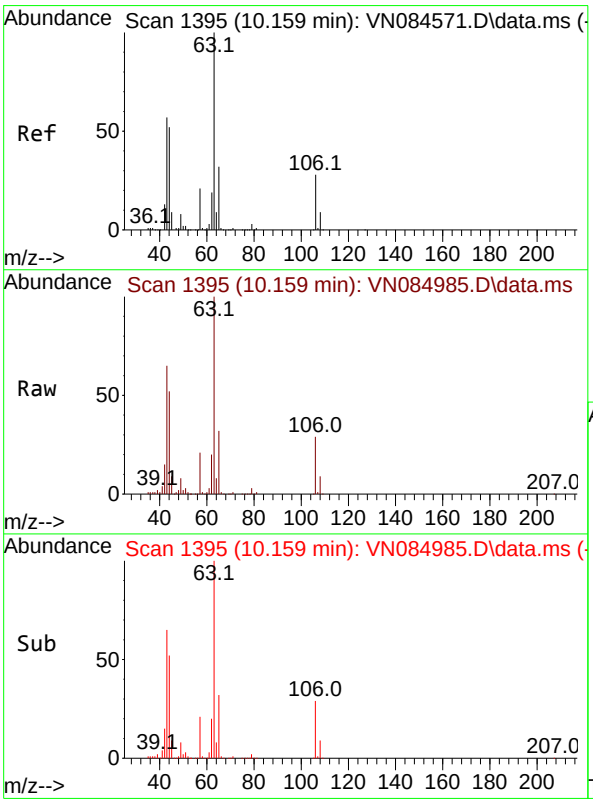
#57
1,3-Dichloropropane
Concen: 56.748 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 163035

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

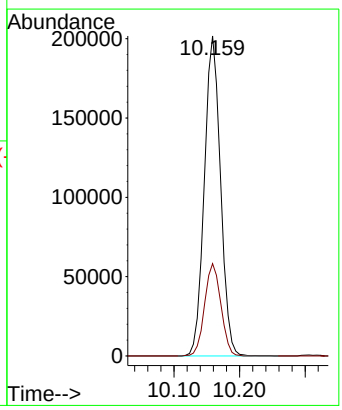


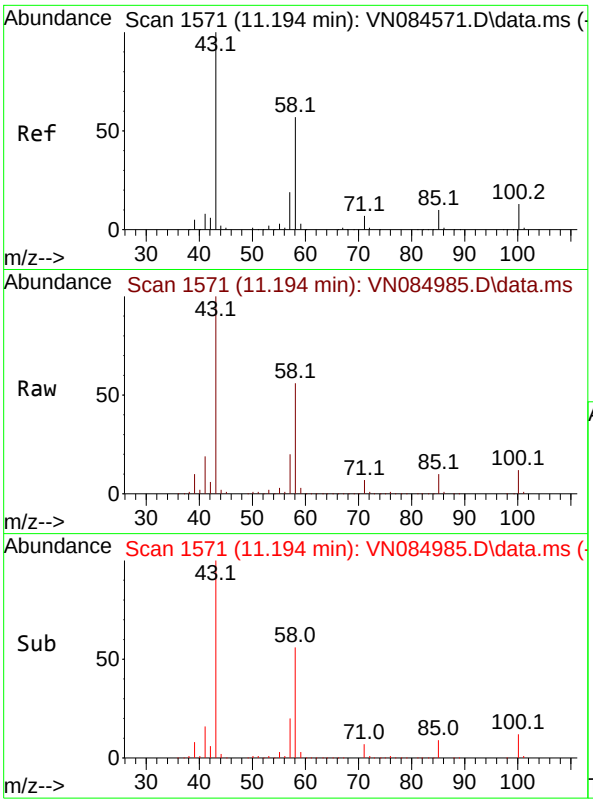


#58
2-Chloroethyl Vinyl ether
Concen: 305.819 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 63 Resp: 346503

Ion	Ratio	Lower	Upper
63	100		
106	29.0	21.8	32.6



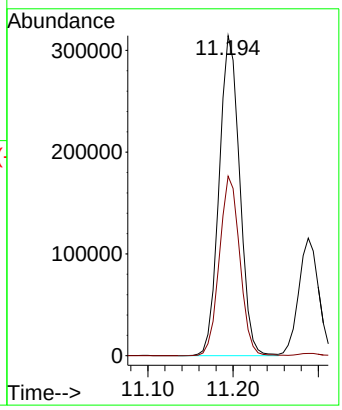


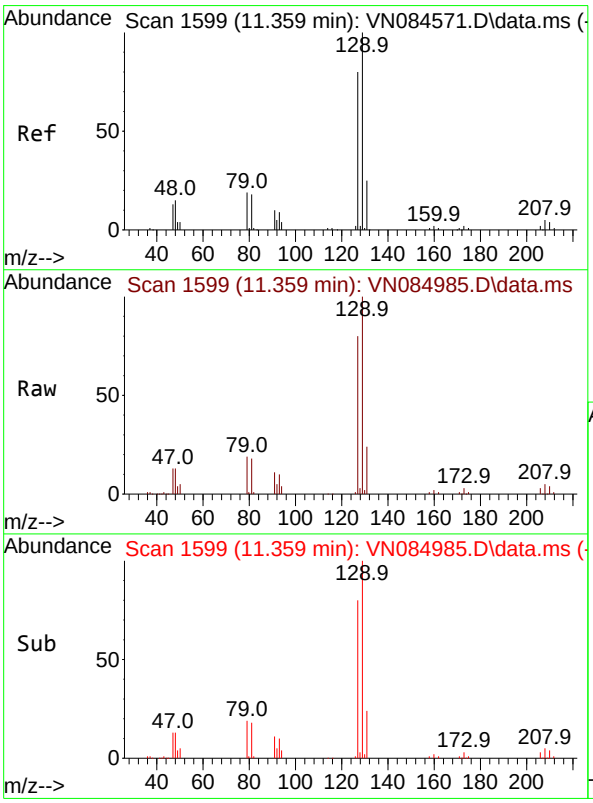
#59
2-Hexanone
Concen: 353.146 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 526039

Ion	Ratio	Lower	Upper
43	100		
58	55.8	27.3	81.8

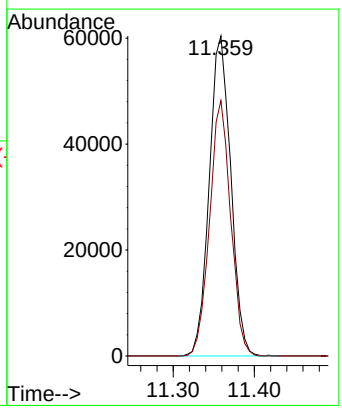


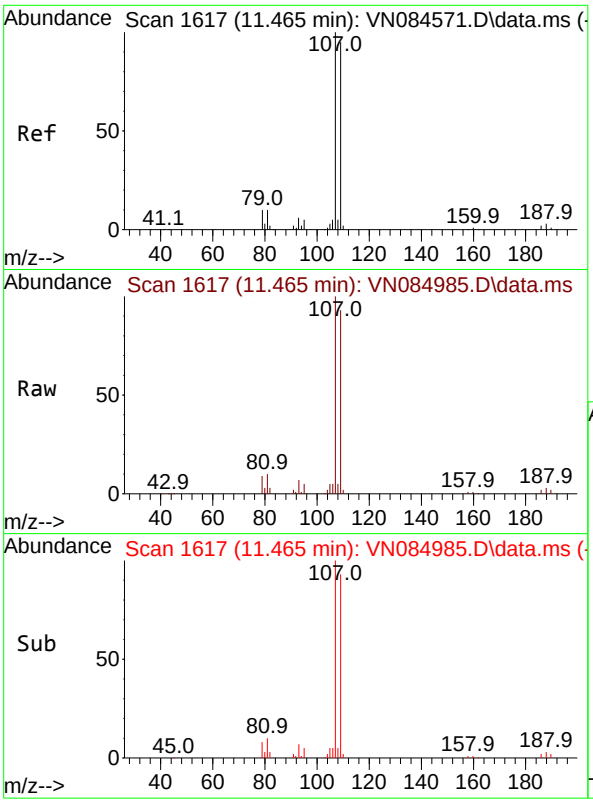


#60
Dibromochloromethane
Concen: 58.280 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:129 Resp: 111190

Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.3	114.9



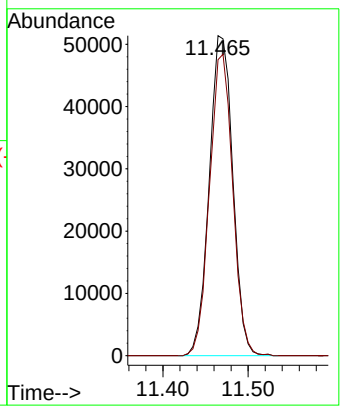


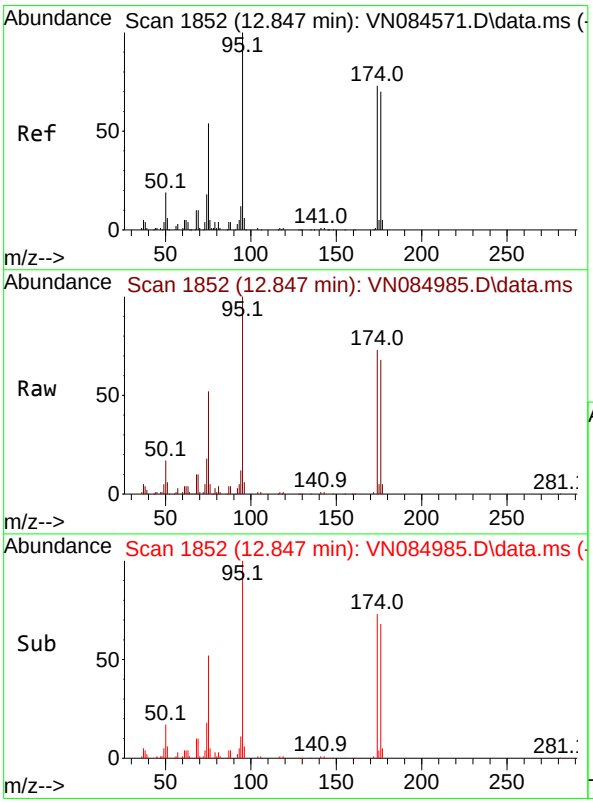
#61
1,2-Dibromoethane
Concen: 57.479 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 98532

Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.4	113.0

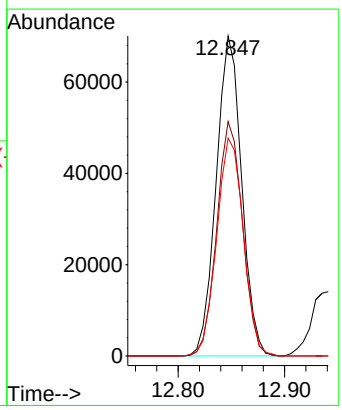


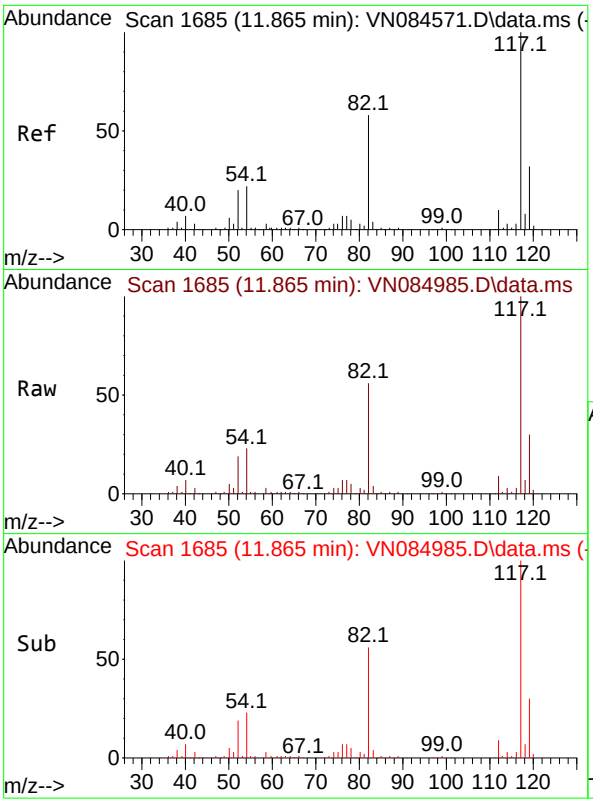


#62
4-Bromofluorobenzene
Concen: 49.505 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 95 Resp: 116272

Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	145.2
176	71.3	0.0	140.0



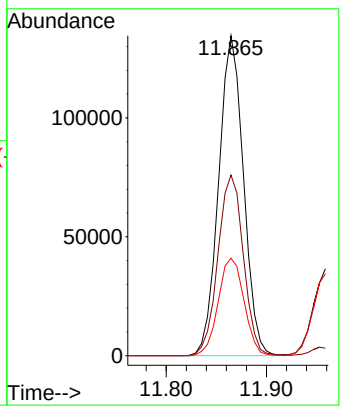


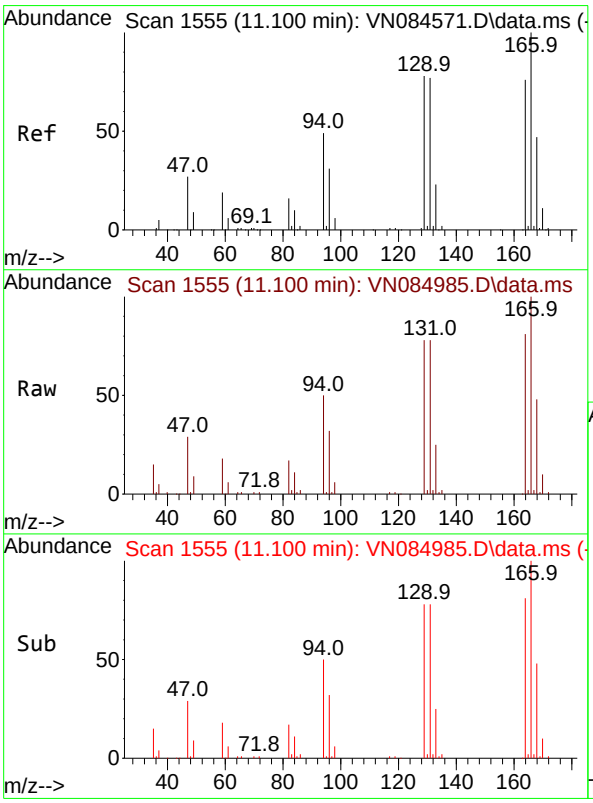
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 231642

Ion	Ratio	Lower	Upper
117	100		
82	56.5	47.2	70.8
119	30.5	25.4	38.0

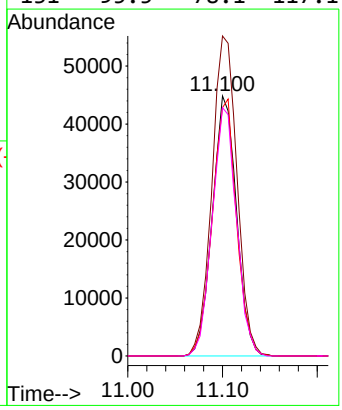


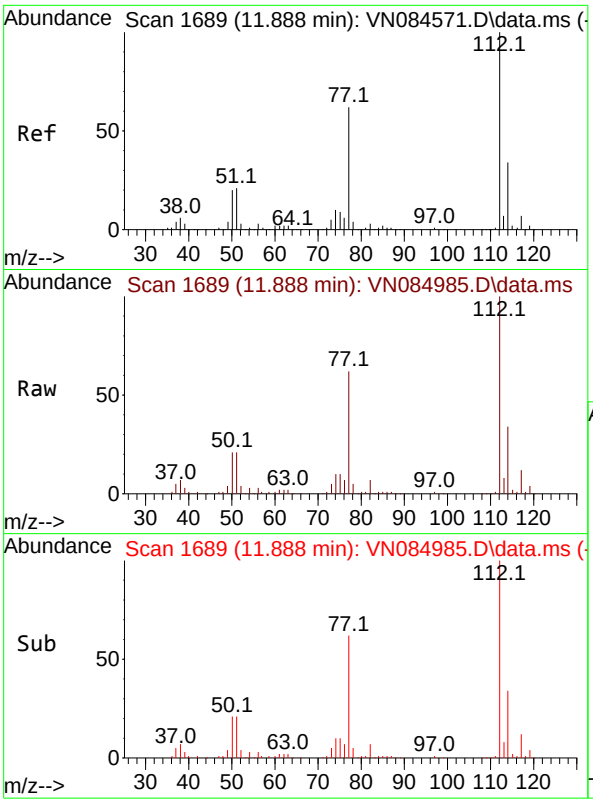


#64
Tetrachloroethene
Concen: 51.679 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:164 Resp: 79627

Ion	Ratio	Lower	Upper
164	100		
166	123.1	101.0	151.4
129	95.5	80.8	121.2
131	95.5	78.1	117.1



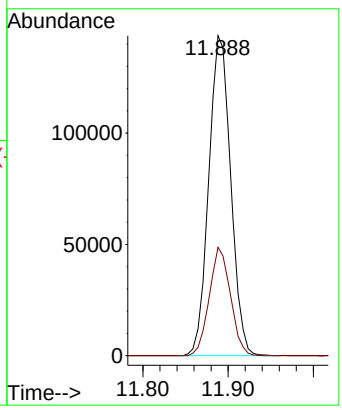


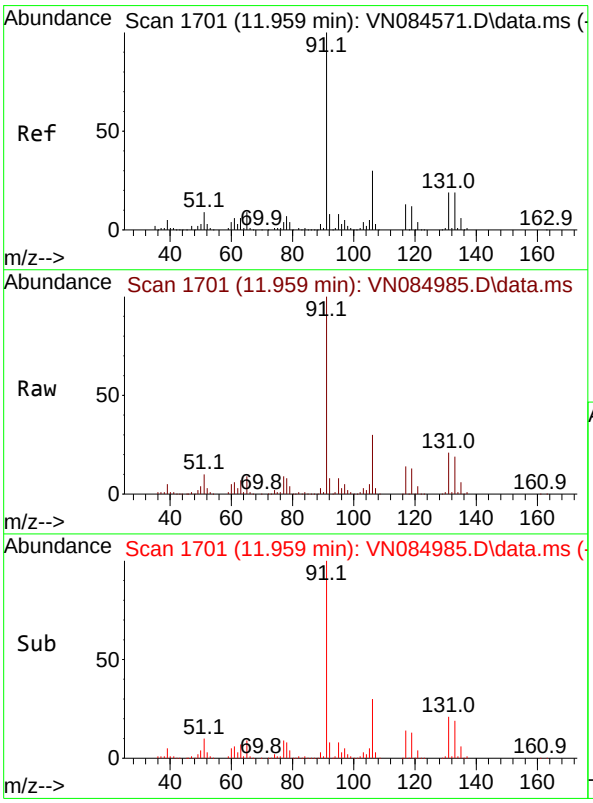
#65
Chlorobenzene
Concen: 49.651 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 257302

Ion	Ratio	Lower	Upper
112	100		
114	33.8	27.0	40.6

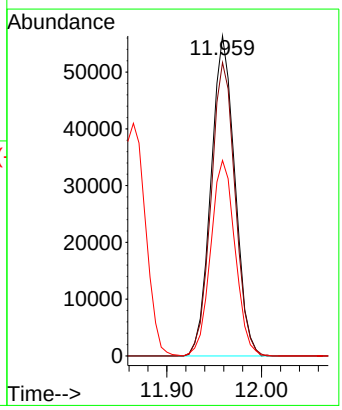


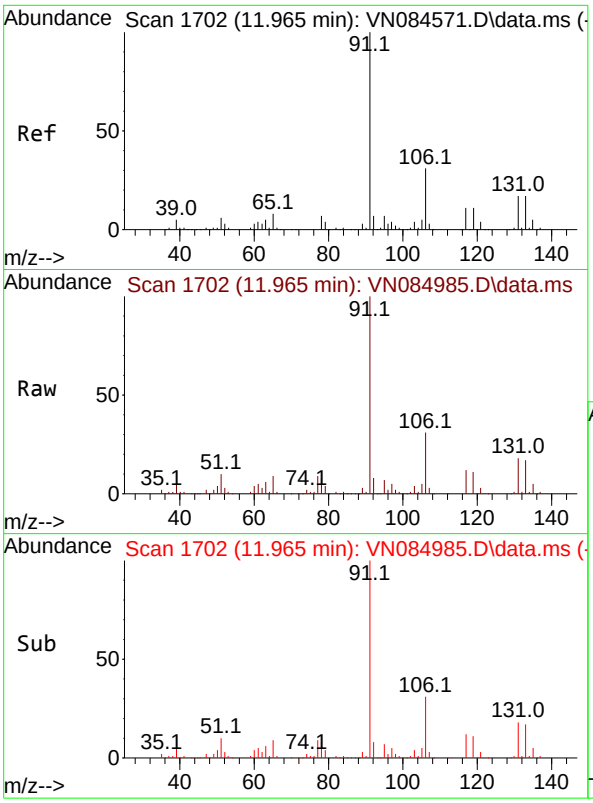


#66
1,1,1,2-Tetrachloroethane
Concen: 54.683 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:131 Resp: 98568

Ion	Ratio	Lower	Upper
131	100		
133	92.5	47.9	143.7
119	62.4	32.8	98.3



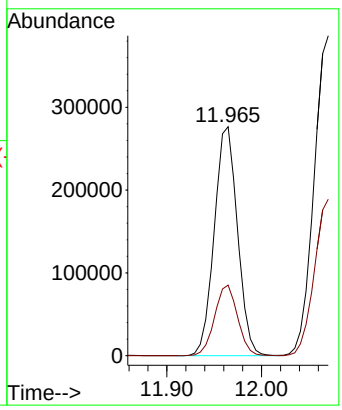


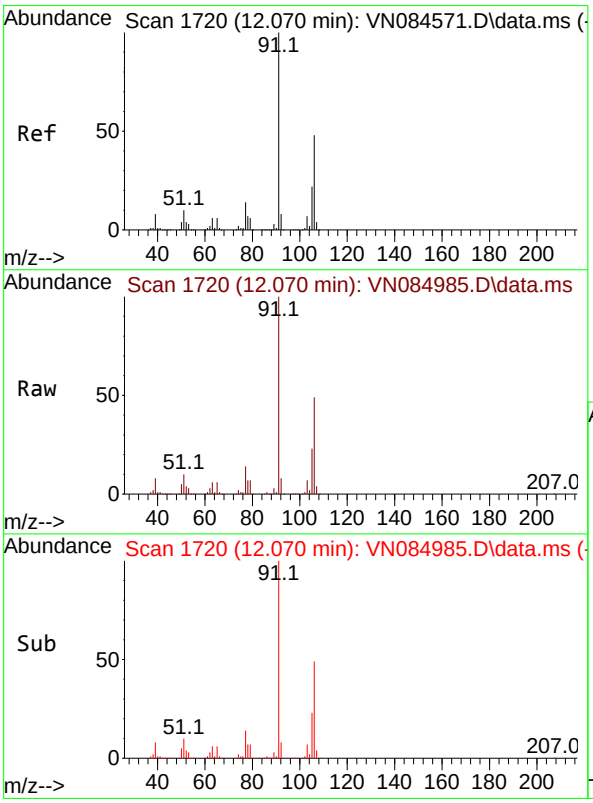
#67
Ethyl Benzene
Concen: 54.512 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 471549

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.5	36.7

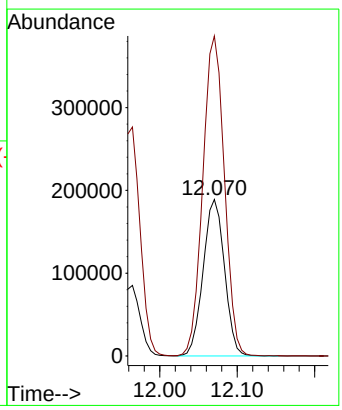


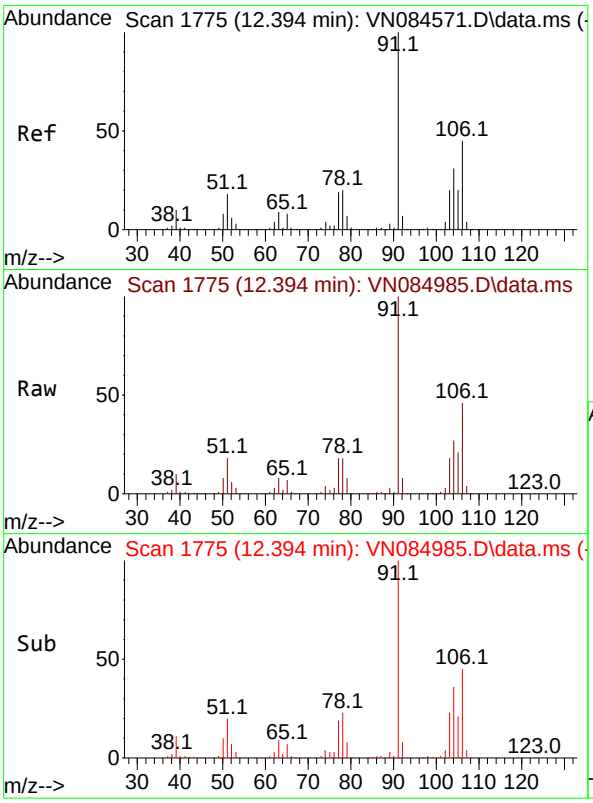


#68
m/p-Xylenes
Concen: 110.569 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:106 Resp: 362101

Ion	Ratio	Lower	Upper
106	100		
91	206.5	167.1	250.7



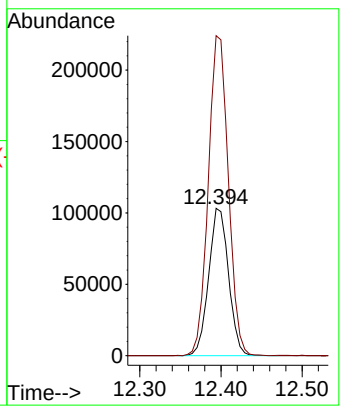


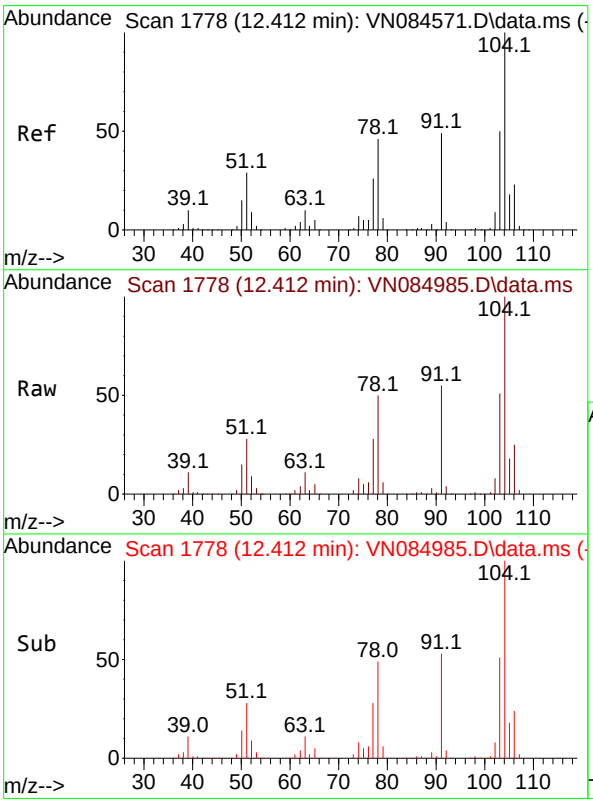
#69
o-Xylene
Concen: 57.226 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 175316

Ion	Ratio	Lower	Upper
106	100		
91	219.1	110.2	330.6

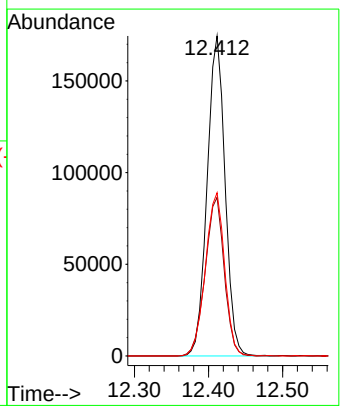


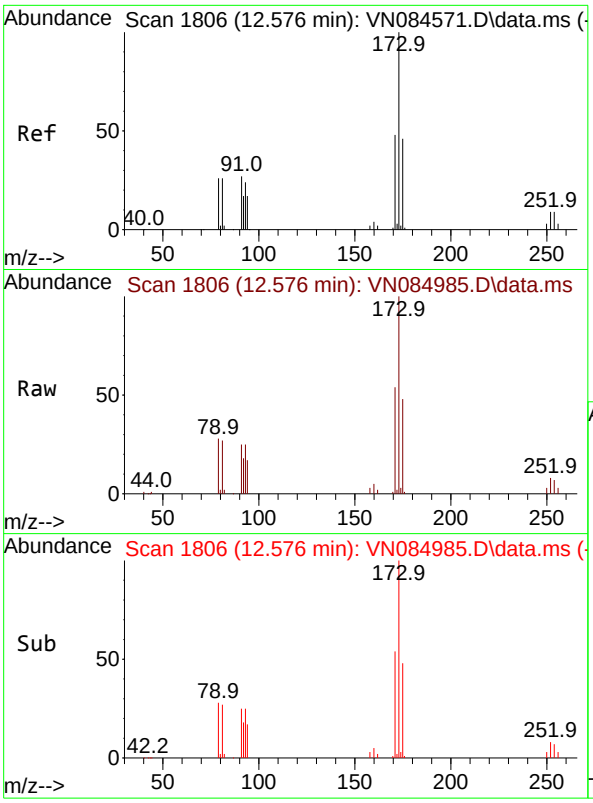


#70
Styrene
Concen: 54.824 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:104 Resp: 292993

Ion	Ratio	Lower	Upper
104	100		
78	52.6	42.7	64.1
103	54.7	43.6	65.4



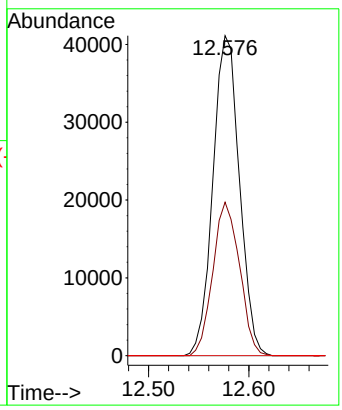


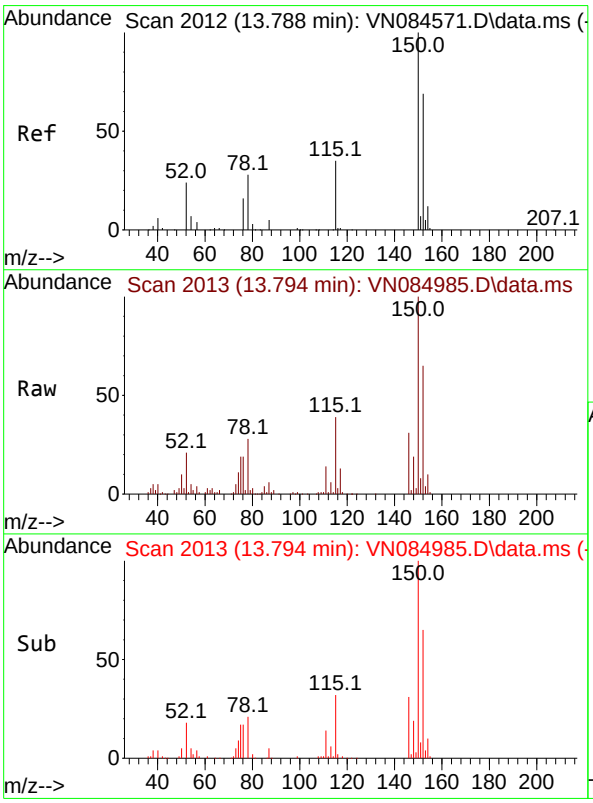
#71
Bromoform
Concen: 55.658 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 75493

Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.5	70.6
254	0.0	0.0	0.0

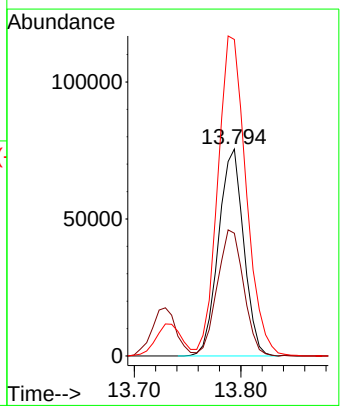


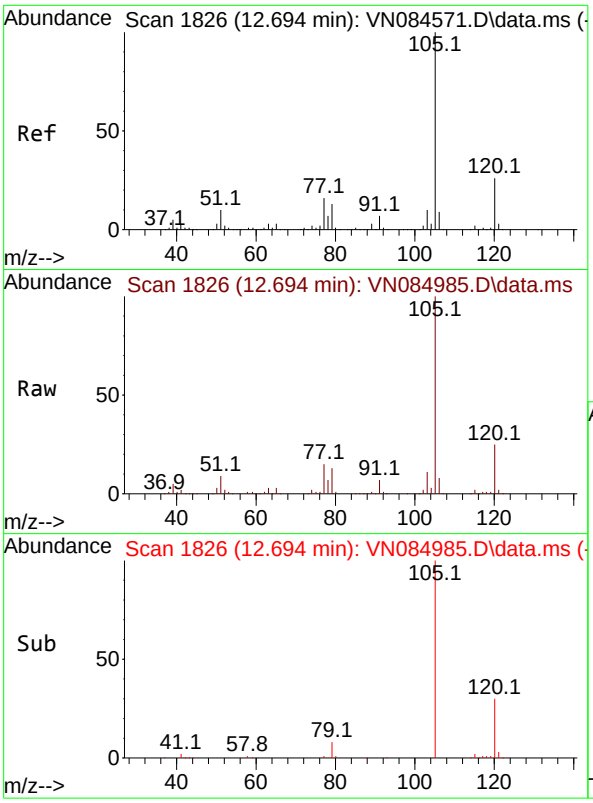


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:152 Resp: 124177

Ion	Ratio	Lower	Upper
152	100		
115	63.6	31.3	93.9
150	173.9	0.0	349.8



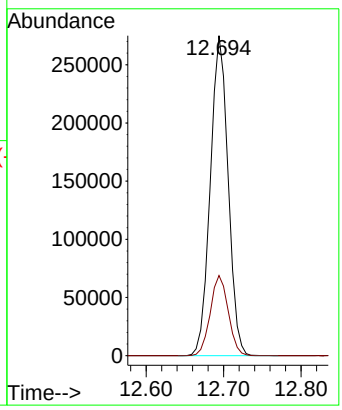


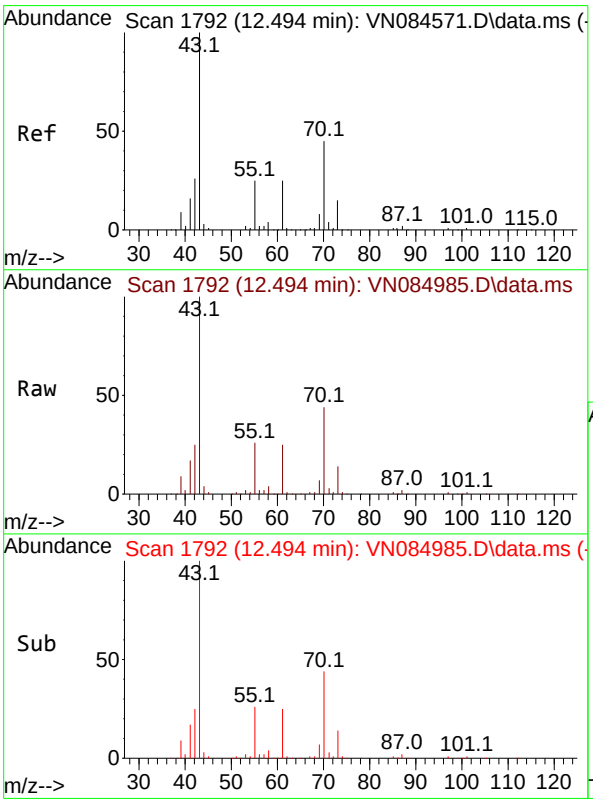
#73
Isopropylbenzene
Concen: 50.388 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 438473

Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.9	38.7

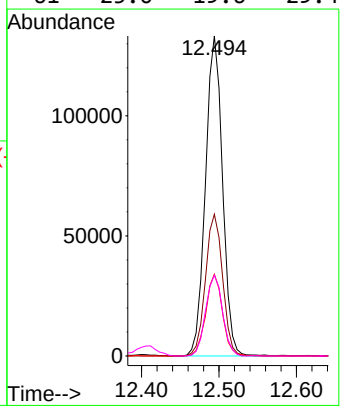


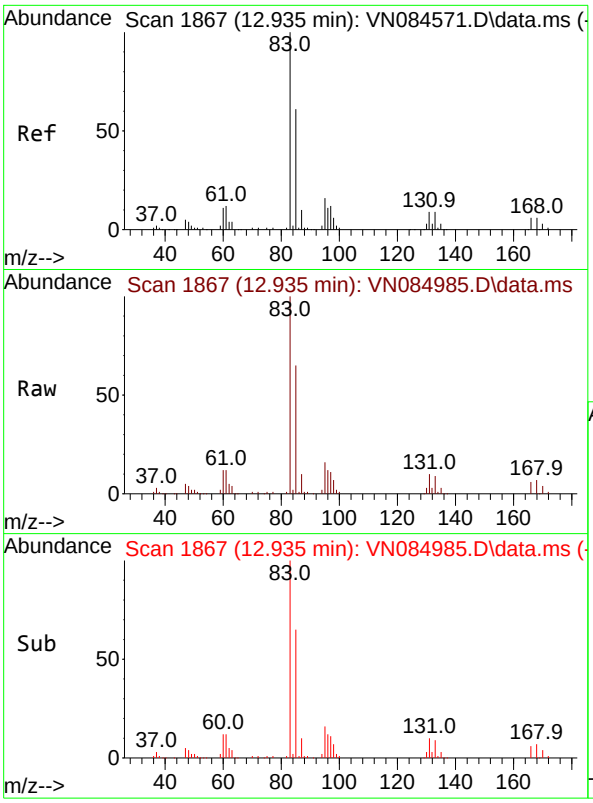


#74
N-amyl acetate
Concen: 55.151 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 43 Resp: 204266

Ion	Ratio	Lower	Upper
43	100		
70	44.4	34.4	51.6
55	25.0	19.6	29.4
61	25.0	19.6	29.4



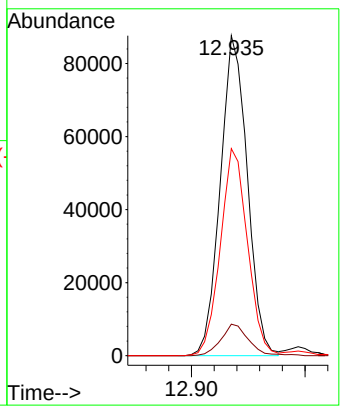


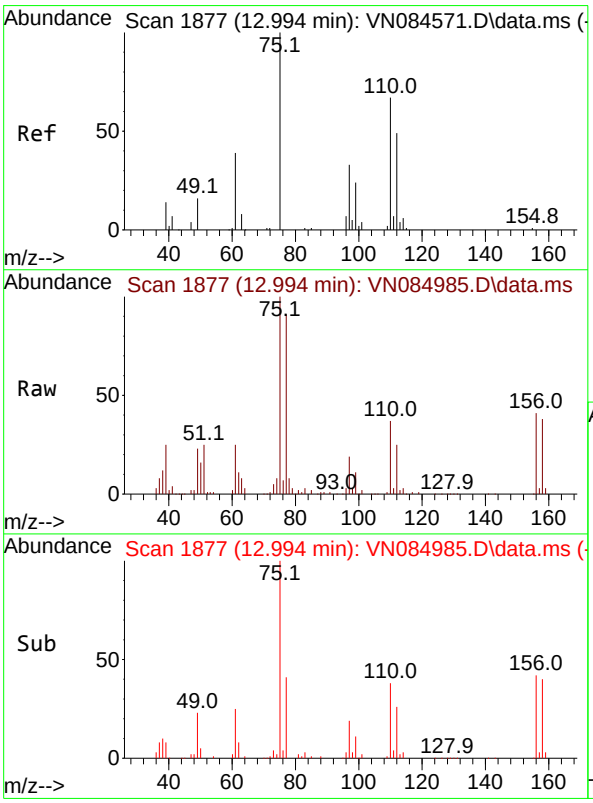
#75
1,1,2,2-Tetrachloroethane
Concen: 49.820 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 144707

Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.7
85	65.0	31.9	95.7

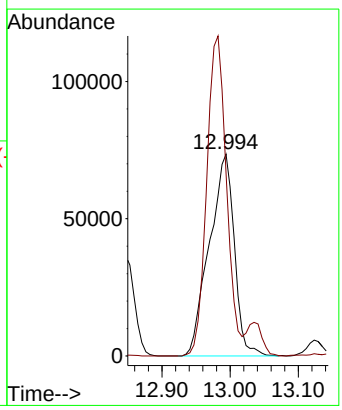


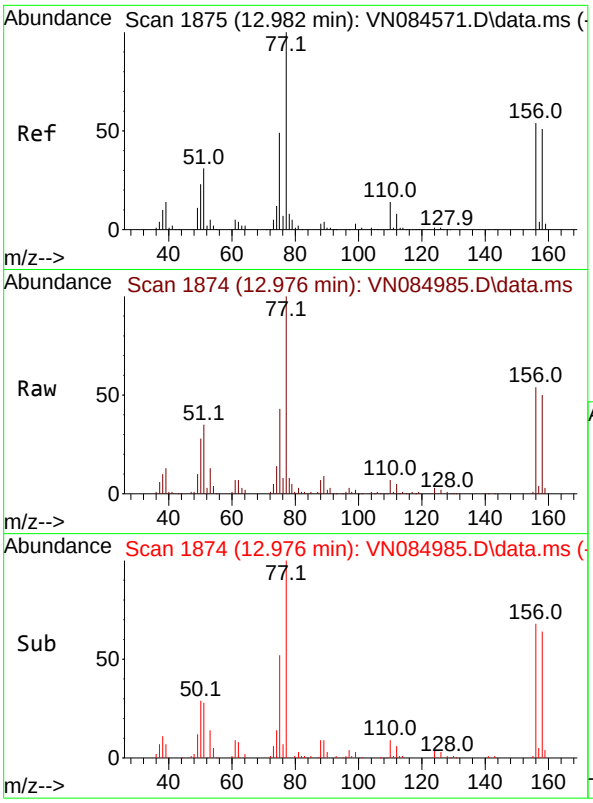


#76
1,2,3-Trichloropropane
Concen: 75.537 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 75 Resp: 187502

Ion	Ratio	Lower	Upper
75	100		
77	125.5	96.9	290.7



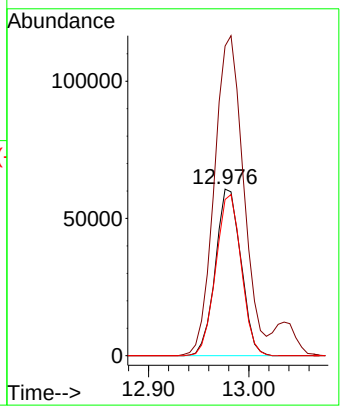


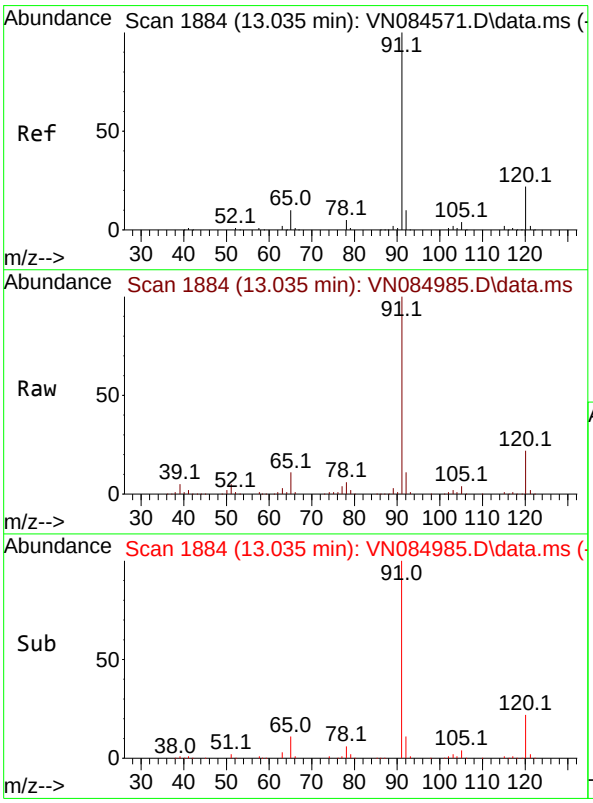
#77
Bromobenzene
Concen: 45.892 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 107358

Ion	Ratio	Lower	Upper
156	100		
77	219.1	115.1	345.3
158	96.1	48.9	146.8

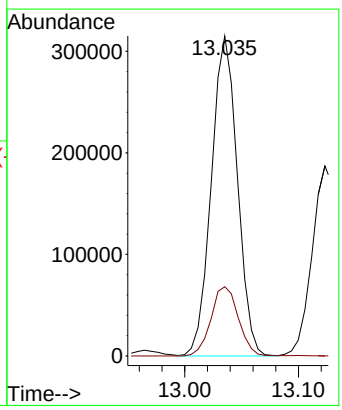


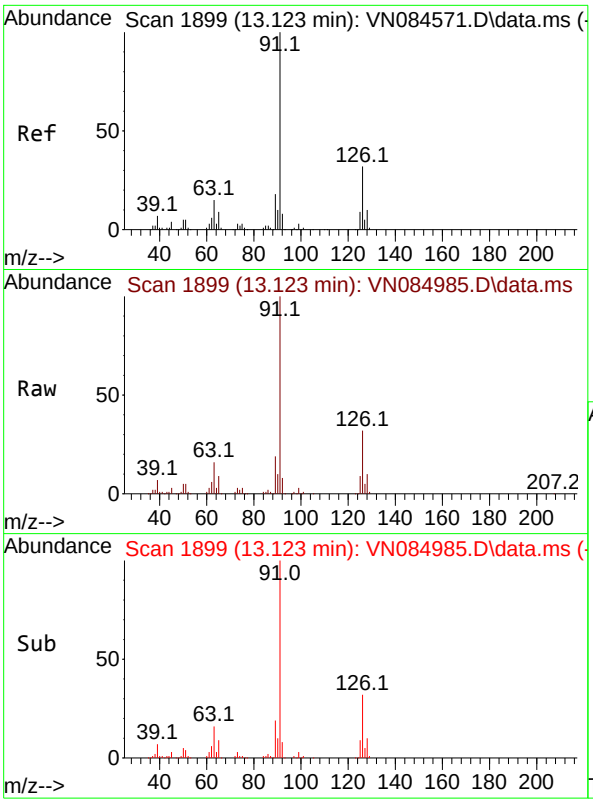


#78
n-propylbenzene
Concen: 49.246 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 91 Resp: 502175

Ion	Ratio	Lower	Upper
91	100		
120	22.7	10.8	32.4



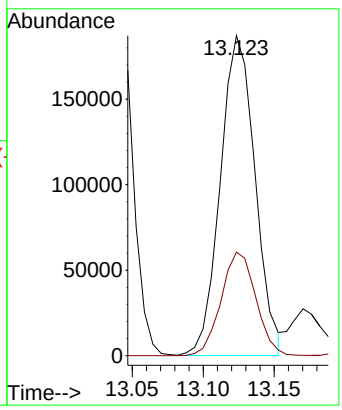


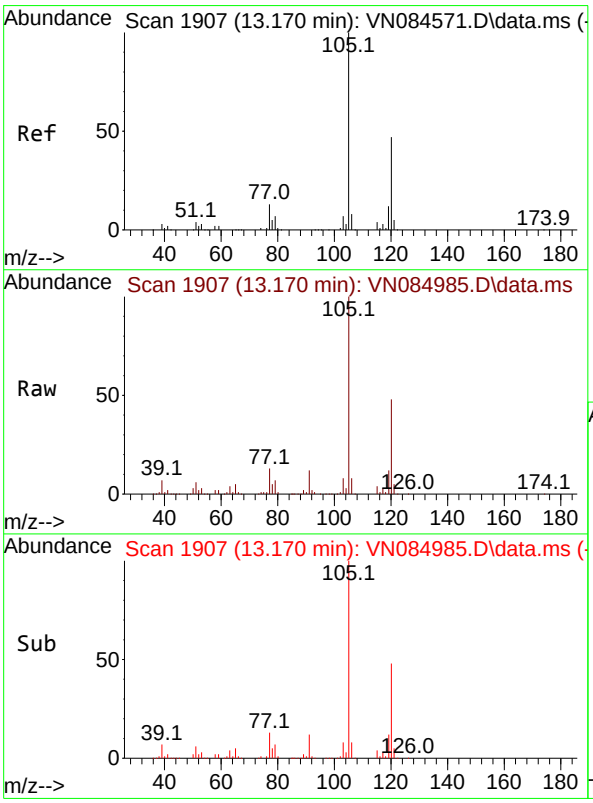
#79
2-Chlorotoluene
Concen: 47.815 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 318593

Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.7	47.1

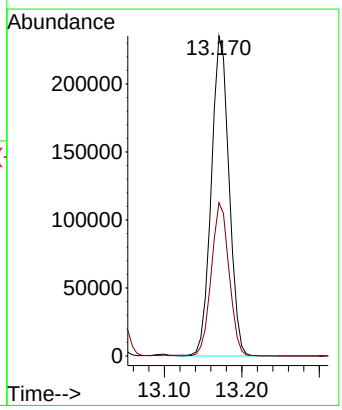


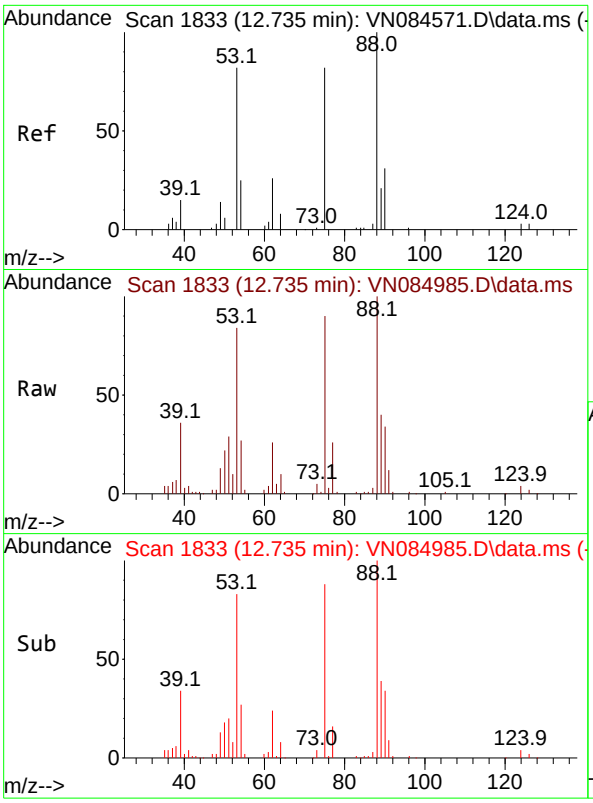


#80
1,3,5-Trimethylbenzene
Concen: 51.774 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:105 Resp: 373416

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.7	71.1



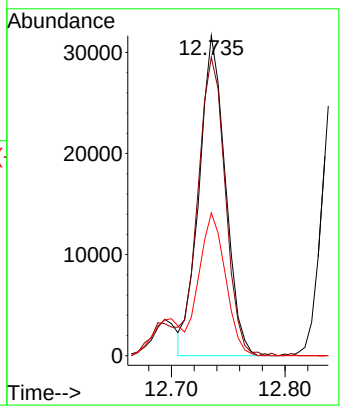


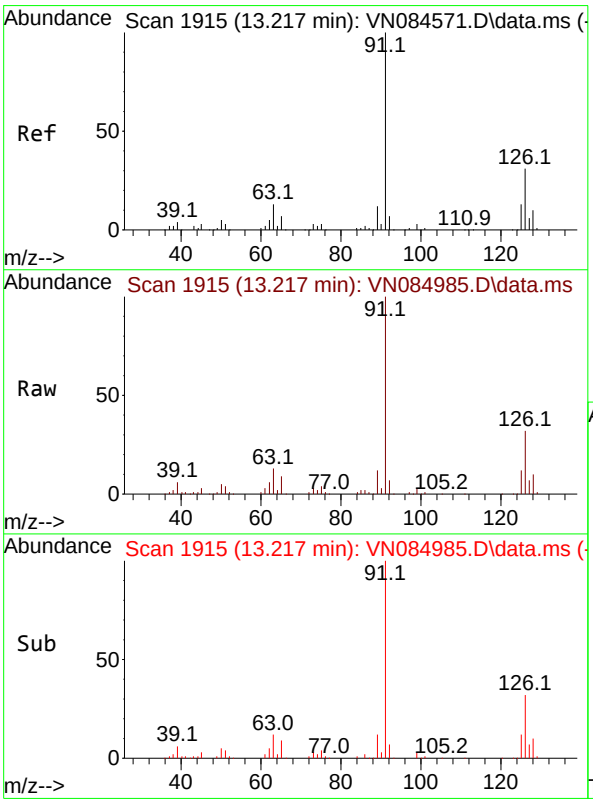
#81
trans-1,4-Dichloro-2-butene
Concen: 48.647 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 50899

Ion	Ratio	Lower	Upper
75	100		
53	96.9	78.0	117.0
89	44.6	35.5	53.3

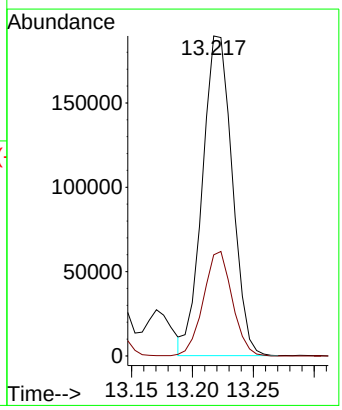


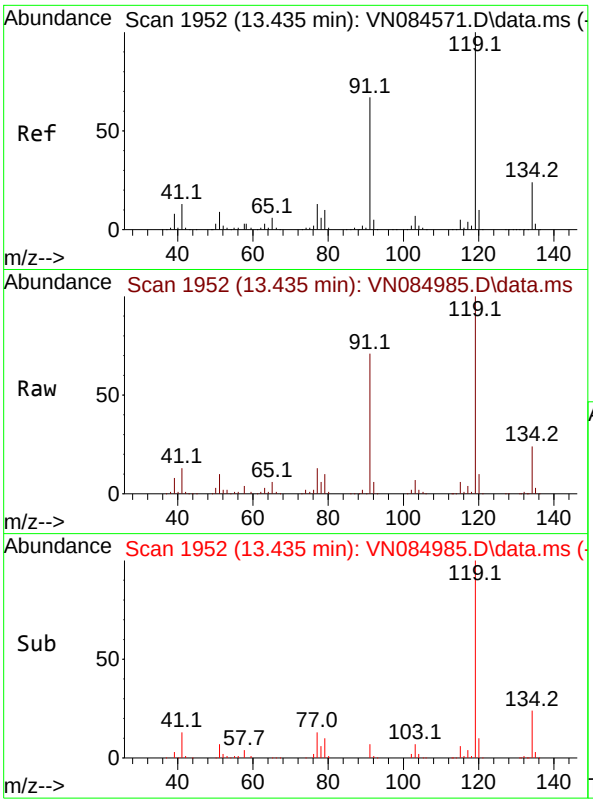


#82
4-Chlorotoluene
Concen: 46.045 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 91 Resp: 322876

Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.7	47.1



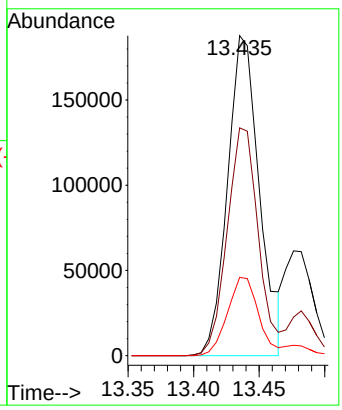


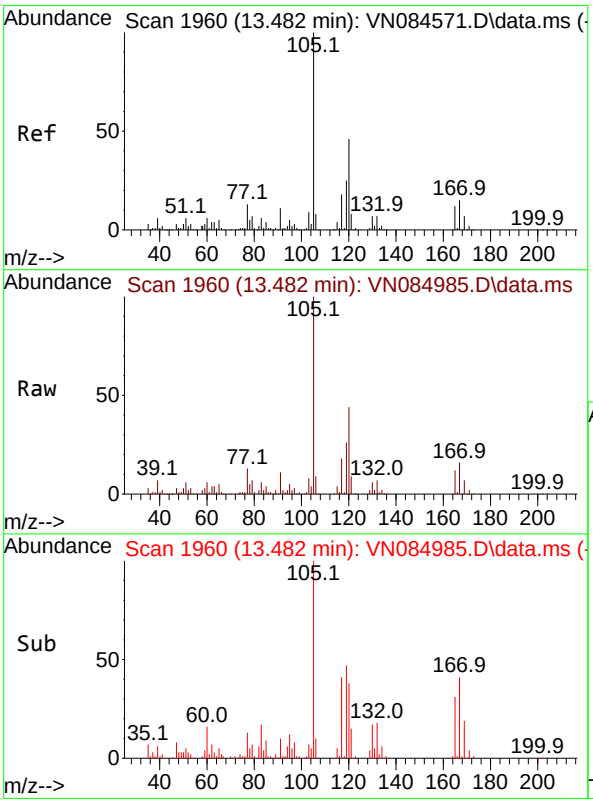
#83
tert-Butylbenzene
Concen: 53.345 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 318423

Ion	Ratio	Lower	Upper
119	100		
91	69.4	34.1	102.3
134	24.4	12.8	38.4

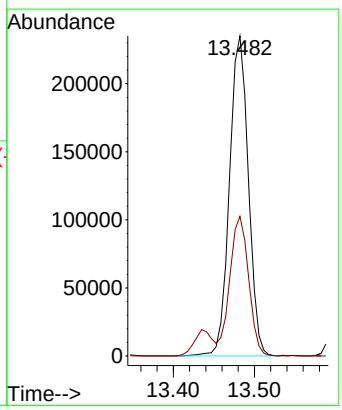


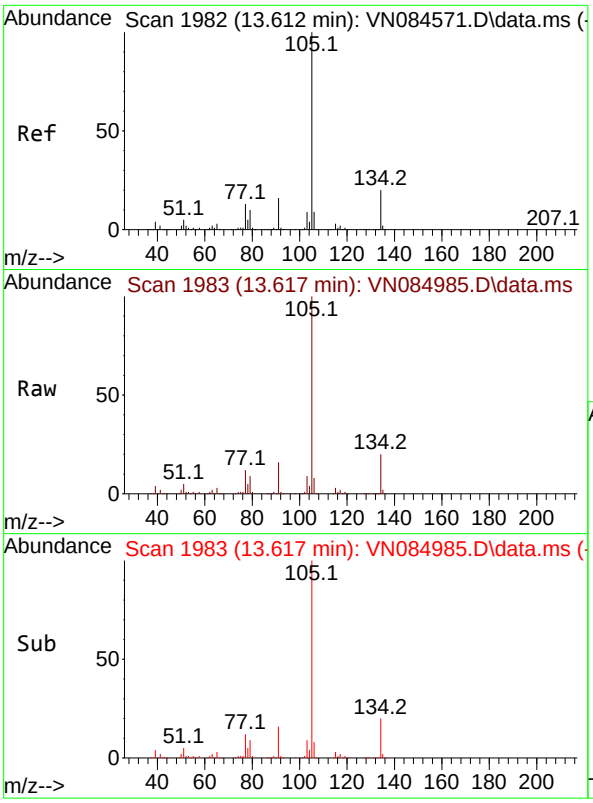


#84
1,2,4-Trimethylbenzene
Concen: 51.000 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:105 Resp: 379635

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.3	66.8



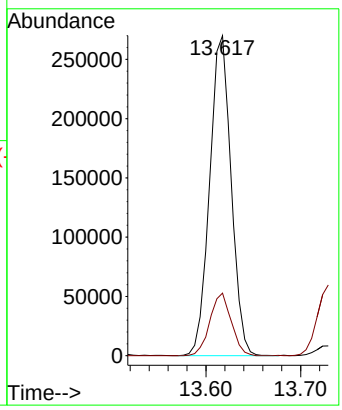


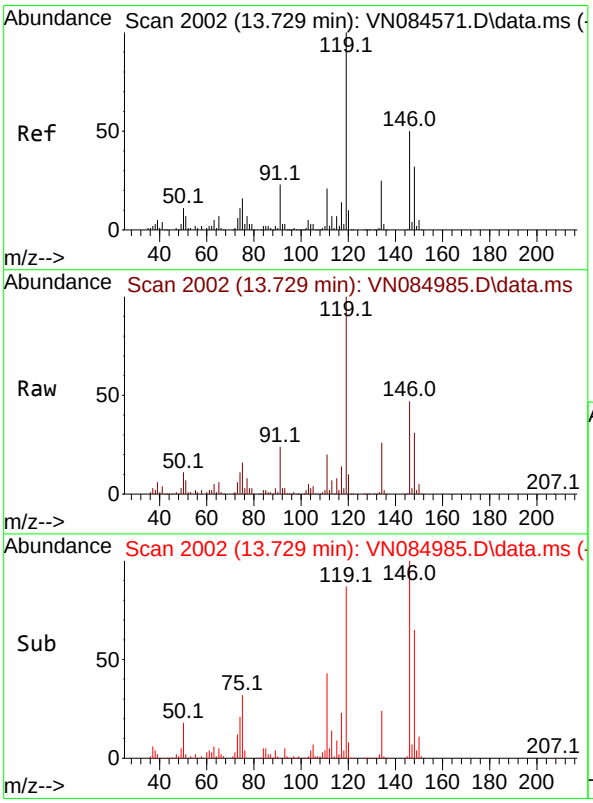
#85
sec-Butylbenzene
Concen: 50.431 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 425223

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

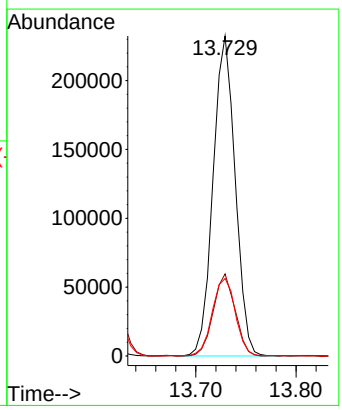


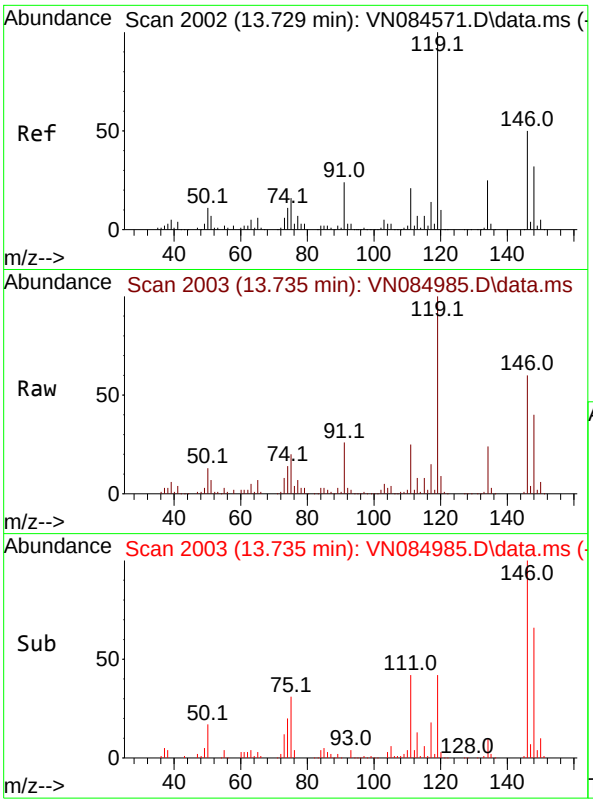


#86
p-Isopropyltoluene
Concen: 51.470 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:119 Resp: 355921

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.8
91	25.4	12.4	37.2



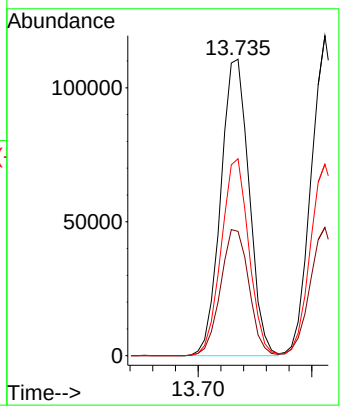


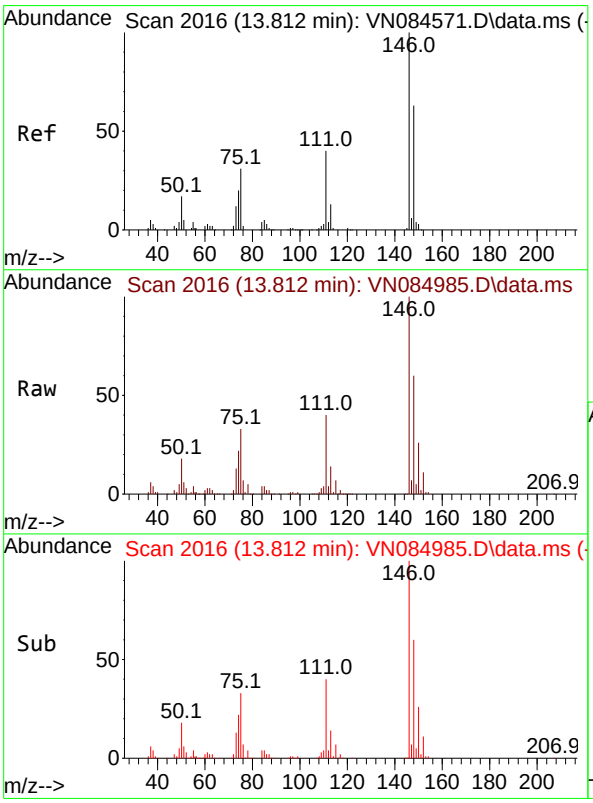
#87
1,3-Dichlorobenzene
Concen: 42.073 ug/l
RT: 13.735 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 192082

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.8	65.3
148	64.9	31.9	95.7

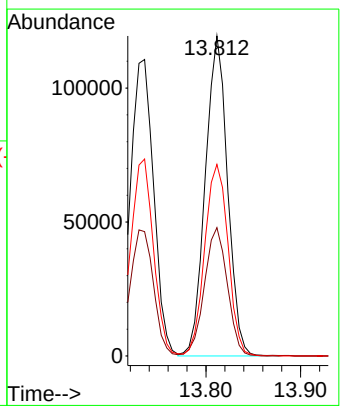


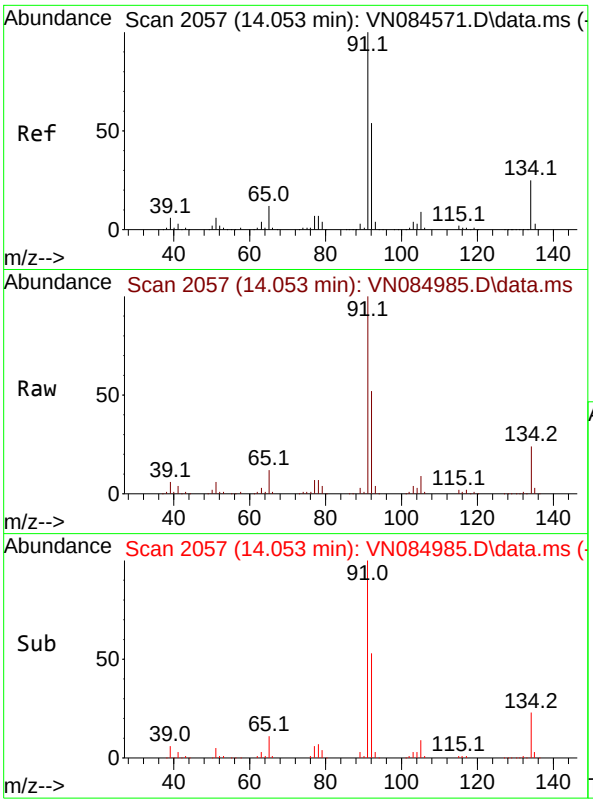


#88
1,4-Dichlorobenzene
Concen: 46.540 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:146 Resp: 195268

Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.2	63.6
148	62.8	31.9	95.9



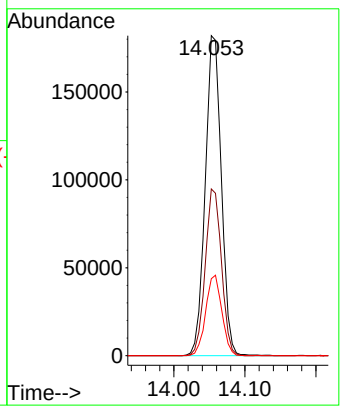


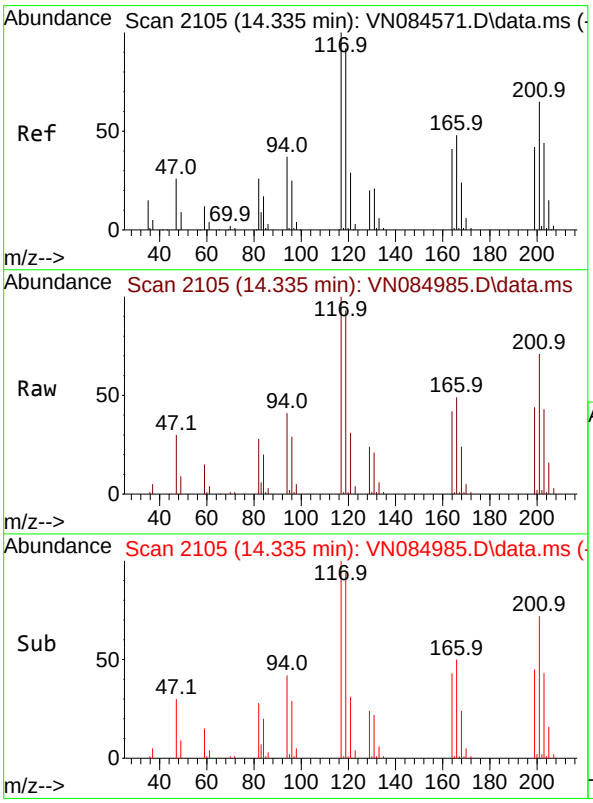
#89
n-Butylbenzene
Concen: 44.452 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 287540

Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.6	79.7
134	25.1	12.3	36.9

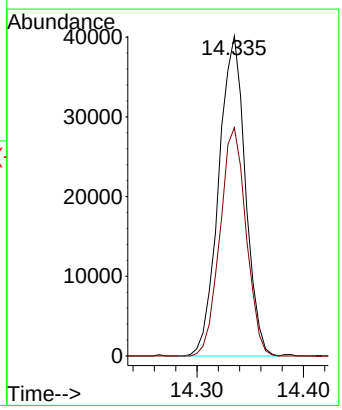


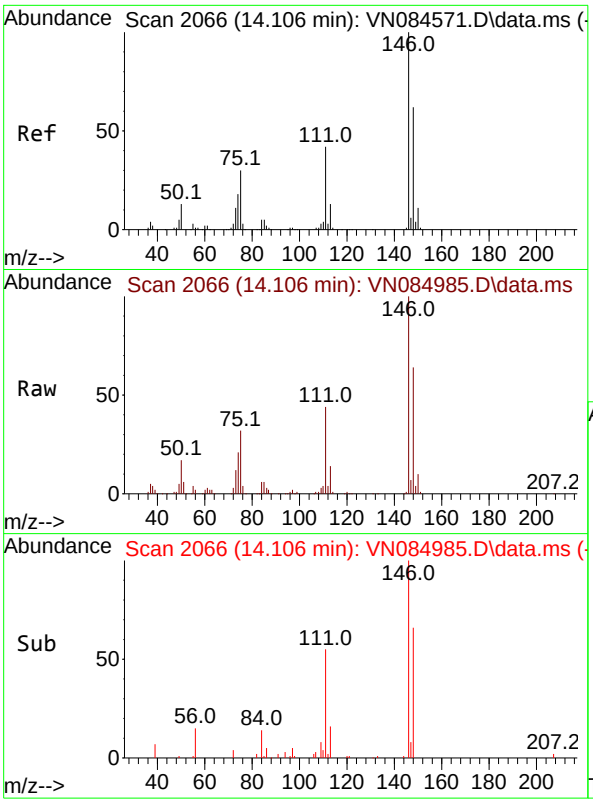


#90
Hexachloroethane
Concen: 45.133 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:117 Resp: 69601

Ion	Ratio	Lower	Upper
117	100		
201	69.9	34.4	103.2



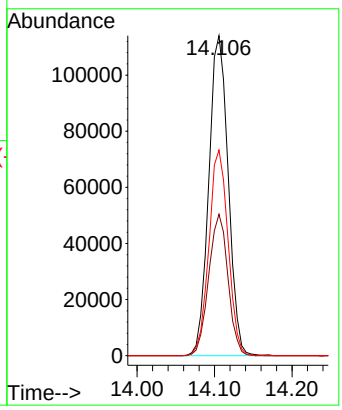


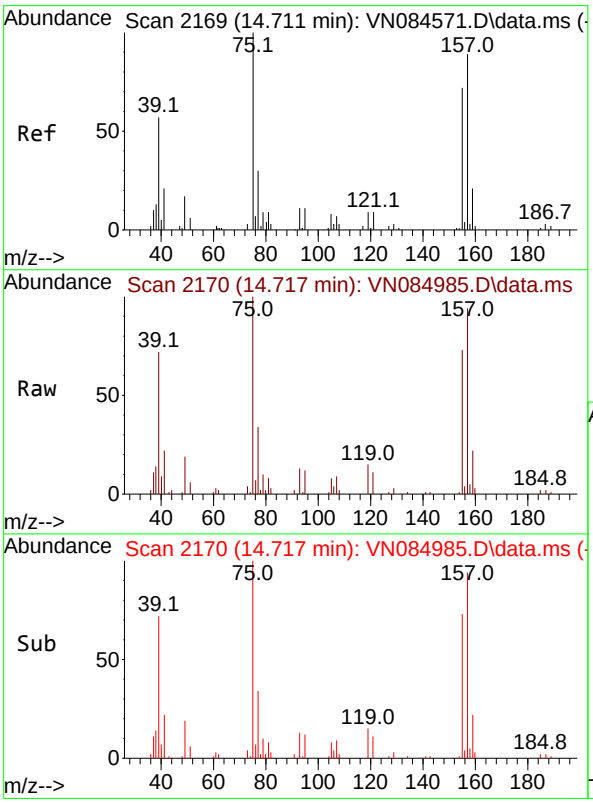
#91
1,2-Dichlorobenzene
Concen: 45.267 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 198590

Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.0	66.0
148	63.3	32.1	96.3

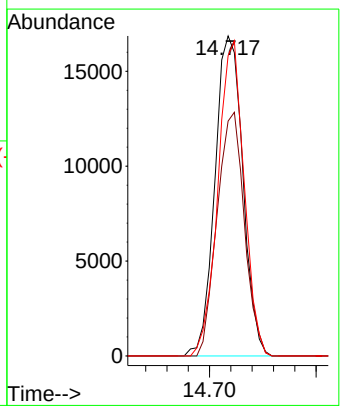


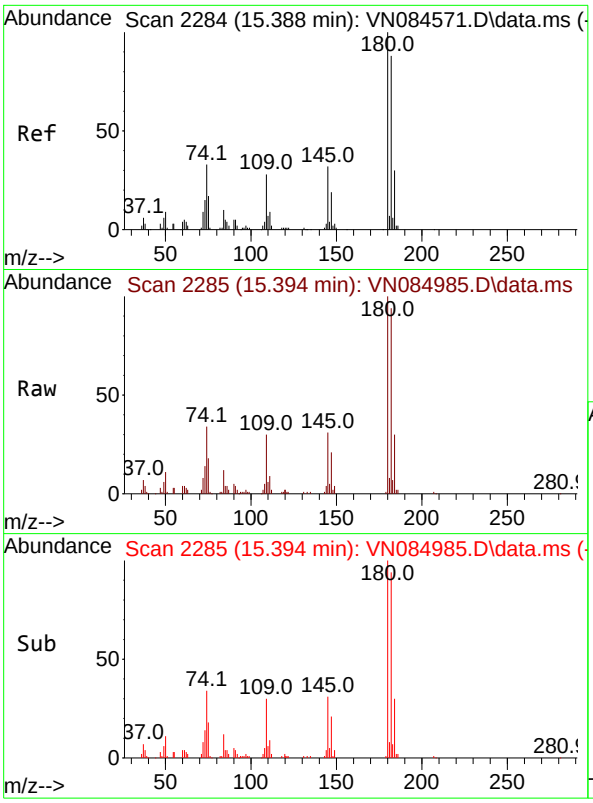


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.104 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion: 75 Resp: 30660

Ion	Ratio	Lower	Upper
75	100		
155	74.5	38.1	114.5
157	92.0	49.6	149.0



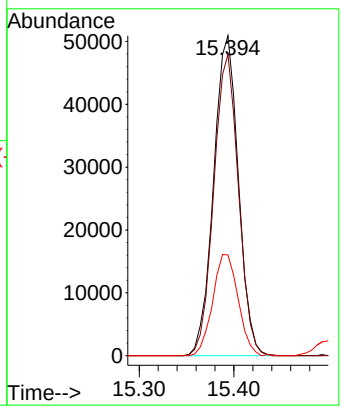


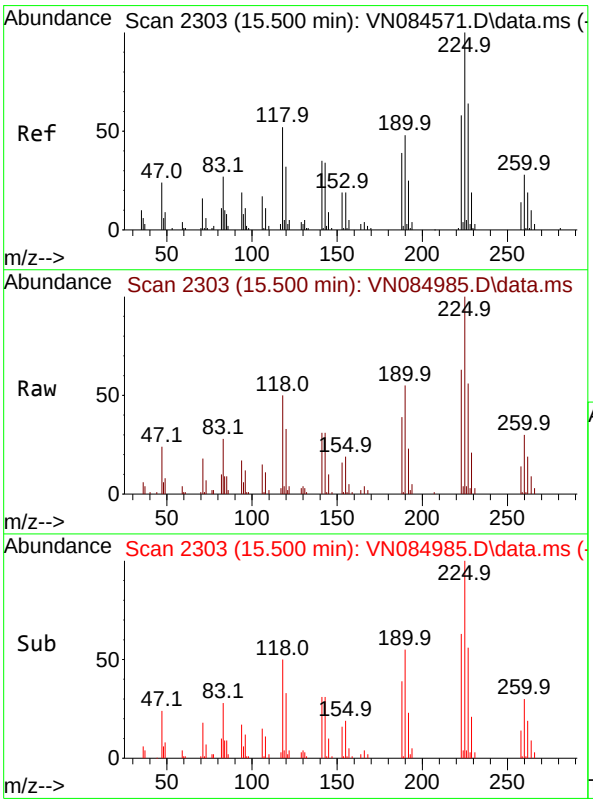
#93
1,2,4-Trichlorobenzene
Concen: 38.555 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 92582

Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.0	141.0
145	32.5	16.4	49.4

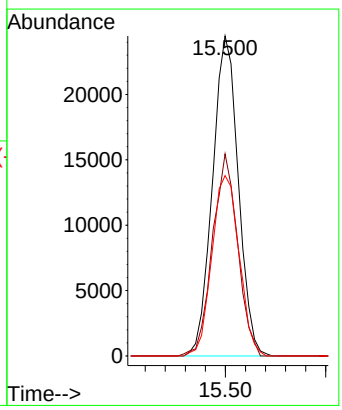


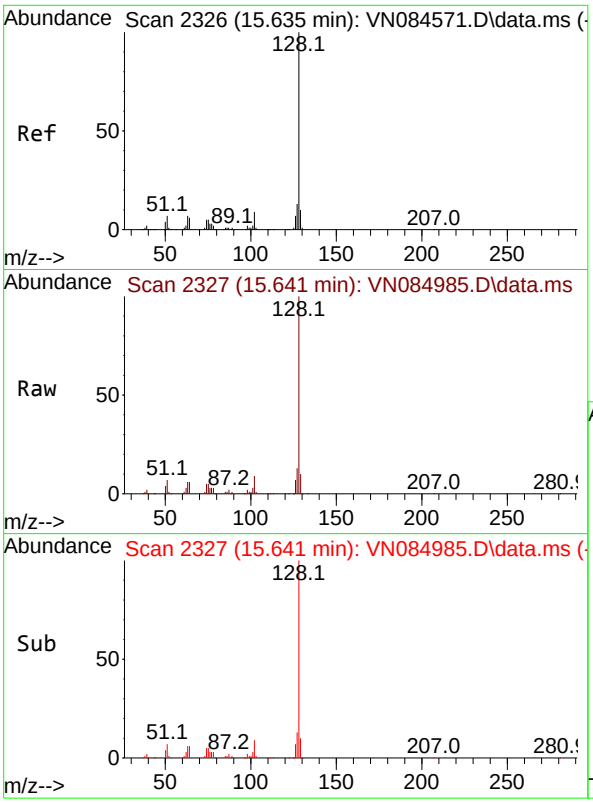


#94
Hexachlorobutadiene
Concen: 41.418 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:225 Resp: 43676

Ion	Ratio	Lower	Upper
225	100		
223	61.5	32.4	97.2
227	59.3	32.4	97.0



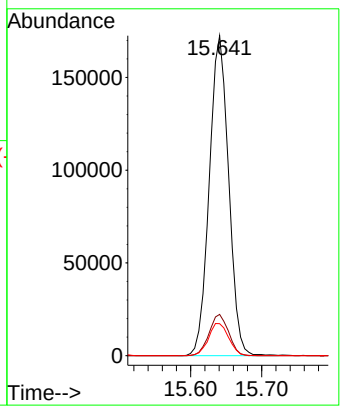


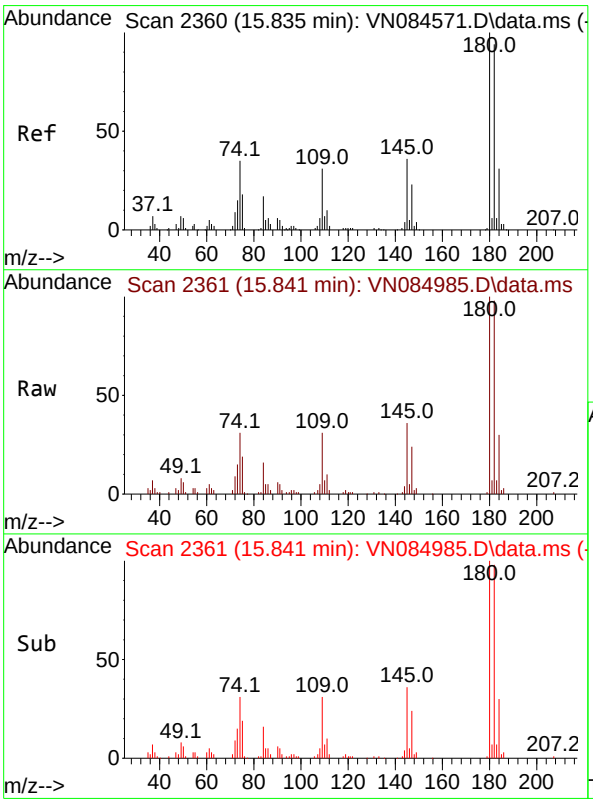
#95
Naphthalene
Concen: 45.383 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 326191

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.6	8.7	13.1

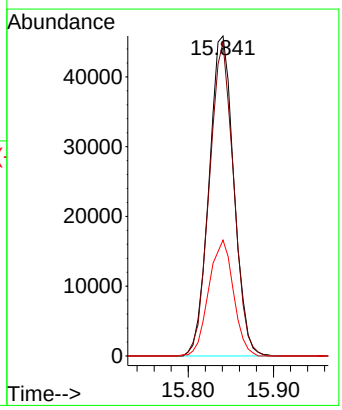




#96
1,2,3-Trichlorobenzene
Concen: 39.649 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084985.D
Acq: 20 Nov 2024 21:46

Tgt Ion:180 Resp: 92421

Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.2	144.6
145	36.1	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085005.D
Acq On : 22 Nov 2024 11:22
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Nov 23 01:57:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	174548	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	280535	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	240979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	257466	103.553	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 207.100%#			
35) Dibromofluoromethane	8.165	113	202772	107.183	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 214.360%#			
50) Toluene-d8	10.565	98	743711	109.694	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 219.380%#			
62) 4-Bromofluorobenzene	12.847	95	266822	105.236	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 210.480%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	202252	102.473	ug/l	98
3) Chloromethane	2.354	50	199697	87.235	ug/l	96
4) Vinyl Chloride	2.512	62	208274	101.241	ug/l	99
5) Bromomethane	2.912	94	110325	95.681	ug/l	93
6) Chloroethane	3.089	64	129044	93.064	ug/l	98
7) Trichlorofluoromethane	3.483	101	356271	101.806	ug/l	98
8) Diethyl Ether	3.953	74	128277	107.697	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	205989	103.783	ug/l	99
10) Methyl Iodide	4.577	142	268539	102.212	ug/l	98
11) Tert butyl alcohol	5.553	59	141986	427.348	ug/l	97
12) 1,1-Dichloroethene	4.330	96	190847	103.013	ug/l	97
13) Acrolein	4.171	56	111387	502.422	ug/l	96
14) Allyl chloride	5.012	41	324148	103.788	ug/l	99
15) Acrylonitrile	5.712	53	457016	485.851	ug/l	100
16) Acetone	4.424	43	399104	551.165	ug/l	98
17) Carbon Disulfide	4.700	76	527408	96.448	ug/l	97
18) Methyl Acetate	5.018	43	229272	100.214	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	649308	107.267	ug/l	99
20) Methylene Chloride	5.265	84	210468	95.251	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	199008	102.076	ug/l	92
22) Diisopropyl ether	6.665	45	634389	100.923	ug/l	98
23) Vinyl Acetate	6.595	43	2349580	541.815	ug/l	99
24) 1,1-Dichloroethane	6.565	63	380941	101.270	ug/l	98
25) 2-Butanone	7.477	43	596036	503.469	ug/l	99
26) 2,2-Dichloropropane	7.483	77	360997	102.775	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	232992	99.132	ug/l	97
28) Bromochloromethane	7.806	49	142811	100.575	ug/l	97
29) Tetrahydrofuran	7.836	42	373666	507.558	ug/l	99
30) Chloroform	7.959	83	390189	97.513	ug/l	98
31) Cyclohexane	8.253	56	318957	96.305	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	365495	101.081	ug/l	98
36) 1,1-Dichloropropene	8.365	75	276659	107.966	ug/l	99
37) Ethyl Acetate	7.553	43	236399	101.478	ug/l	100
38) Carbon Tetrachloride	8.359	117	321086	108.554	ug/l	97
39) Methylcyclohexane	9.594	83	322151	120.983	ug/l	97
40) Benzene	8.600	78	857333	105.783	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085005.D
Acq On : 22 Nov 2024 11:22
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Nov 23 01:57:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	138044	107.026	ug/l		99
42) 1,2-Dichloroethane	8.665	62	288320	103.986	ug/l		100
43) Isopropyl Acetate	8.683	43	473683	97.891	ug/l		98
44) Trichloroethene	9.347	130	197483	104.851	ug/l		96
45) 1,2-Dichloropropane	9.618	63	206776	103.586	ug/l		99
46) Dibromomethane	9.706	93	144116	103.900	ug/l		99
47) Bromodichloromethane	9.883	83	310562	105.641	ug/l		98
48) Methyl methacrylate	9.677	41	197798	109.847	ug/l		98
49) 1,4-Dioxane	9.694	88	61188	1959.471	ug/l	#	89
51) 4-Methyl-2-Pentanone	10.441	43	1162080	525.783	ug/l		98
52) Toluene	10.630	92	522980	109.001	ug/l		100
53) t-1,3-Dichloropropene	10.830	75	321790	109.180	ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	346064	110.678	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	188724	105.602	ug/l		99
56) Ethyl methacrylate	10.871	69	307844	117.883	ug/l		98
57) 1,3-Dichloropropane	11.159	76	329902	104.887	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	771827	602.530	ug/l		99
59) 2-Hexanone	11.194	43	884879	535.314	ug/l		100
60) Dibromochloromethane	11.359	129	229875	105.249	ug/l		98
61) 1,2-Dibromoethane	11.465	107	191654	103.624	ug/l		98
64) Tetrachloroethene	11.100	164	168926	104.032	ug/l		94
65) Chlorobenzene	11.888	112	543518	99.452	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	201000	104.459	ug/l		99
67) Ethyl Benzene	11.959	91	994049	112.113	ug/l		100
68) m/p-Xylenes	12.071	106	749782	222.116	ug/l		100
69) o-Xylene	12.394	106	353441	110.070	ug/l		99
70) Styrene	12.406	104	601271	112.600	ug/l		100
71) Bromoform	12.576	173	148879	104.234	ug/l	#	99
73) Isopropylbenzene	12.694	105	922085	110.216	ug/l		100
74) N-amyl acetate	12.494	43	368260	106.820	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	255286	89.359	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	344237	155.169	ug/l		49
77) Bromobenzene	12.976	156	215866	95.881	ug/l		98
78) n-propylbenzene	13.035	91	1078373	111.753	ug/l		99
79) 2-Chlorotoluene	13.123	91	658525	102.230	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	776252	110.573	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	99218	104.513	ug/l		96
82) 4-Chlorotoluene	13.218	91	669311	99.811	ug/l		99
83) tert-Butylbenzene	13.435	119	646369	107.009	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	787962	109.040	ug/l		100
85) sec-Butylbenzene	13.612	105	920223	112.777	ug/l		99
86) p-Isopropyltoluene	13.729	119	775322	115.104	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	407844	91.842	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	409489	90.361	ug/l		99
89) n-Butylbenzene	14.053	91	683538	109.120	ug/l		99
90) Hexachloroethane	14.335	117	147973	100.783	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	394872	92.796	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	50863	92.071	ug/l		95
93) 1,2,4-Trichlorobenzene	15.388	180	219866	95.107	ug/l		99
94) Hexachlorobutadiene	15.500	225	98588	92.405	ug/l		99
95) Naphthalene	15.641	128	685964	104.183	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	218578	99.092	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085005.D
Acq On : 22 Nov 2024 11:22
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Nov 23 01:57:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

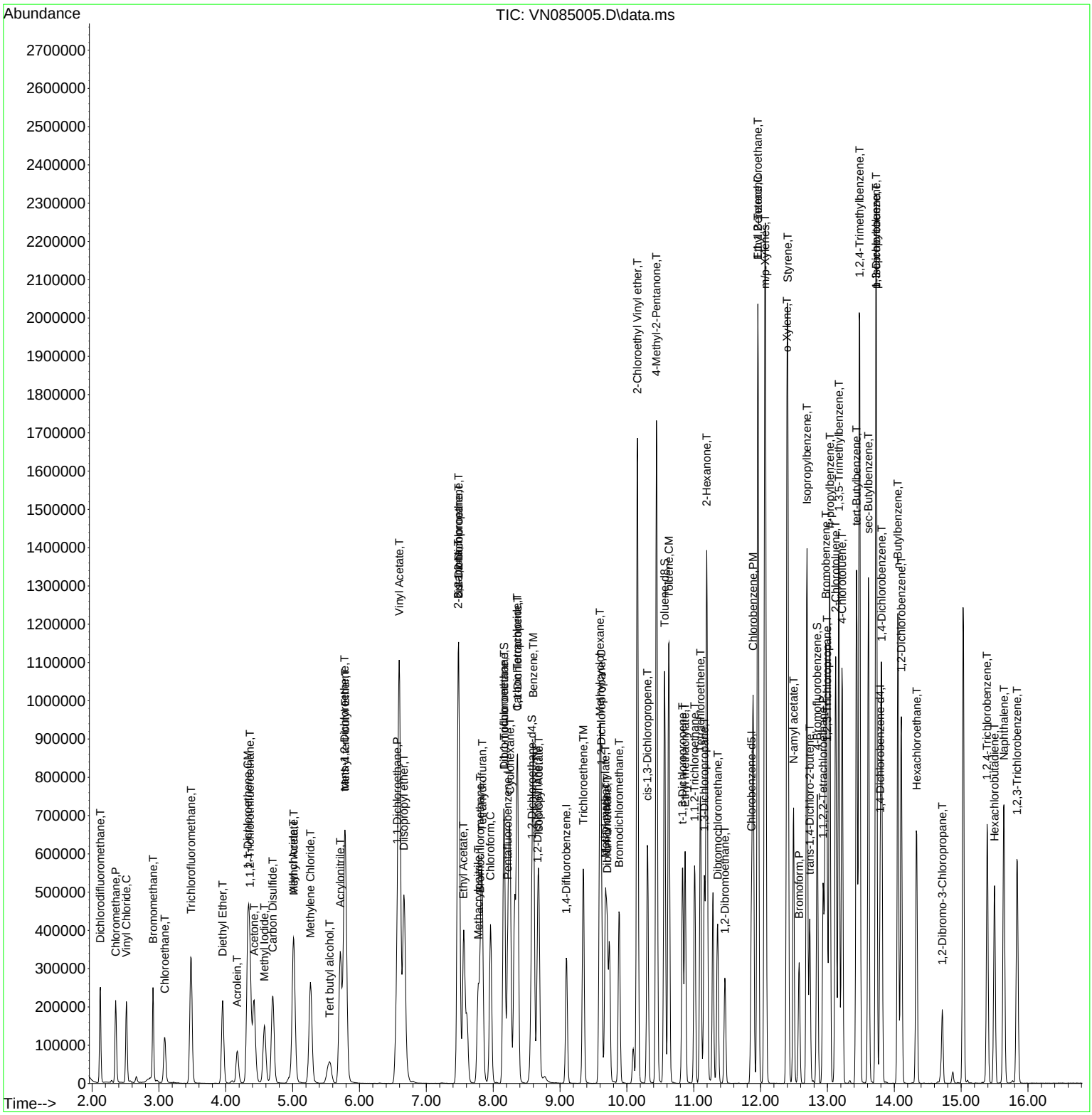
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

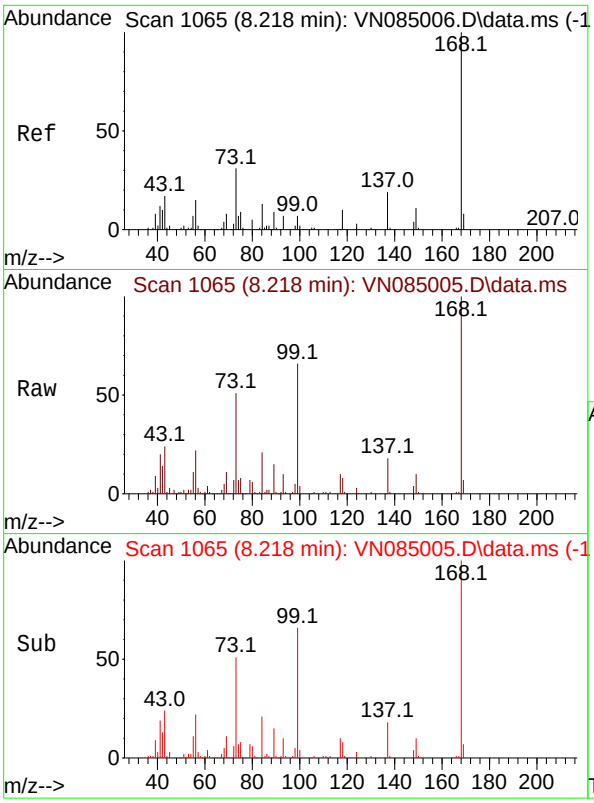
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085005.D
Acq On : 22 Nov 2024 11:22
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Nov 23 01:57:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration



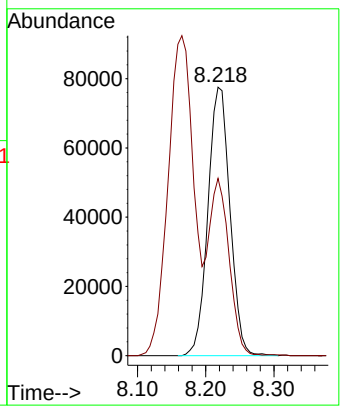


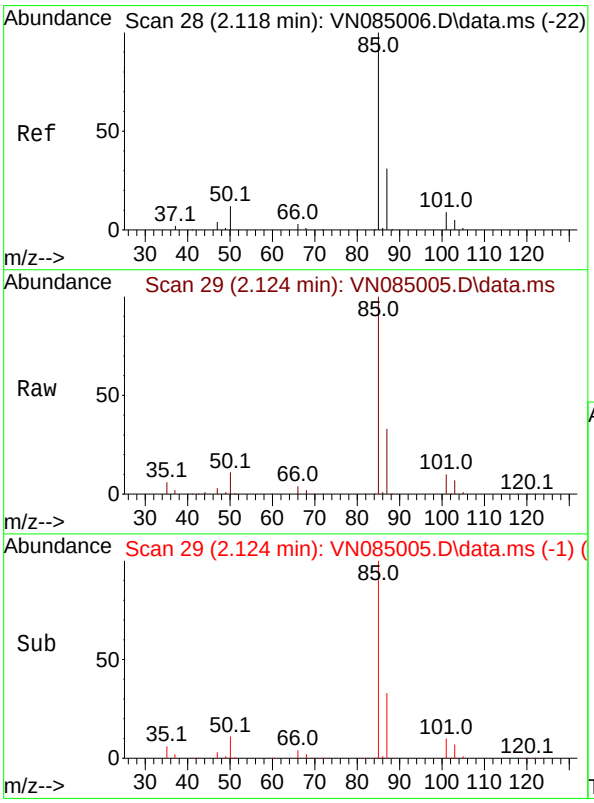
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 174548

Ion	Ratio	Lower	Upper
168	100		
99	65.7	51.2	76.8

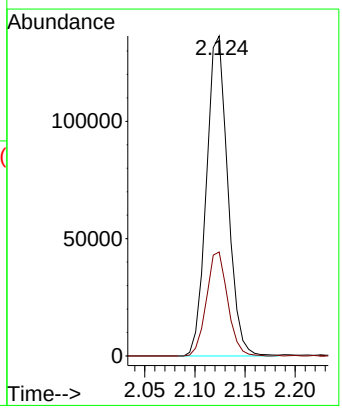


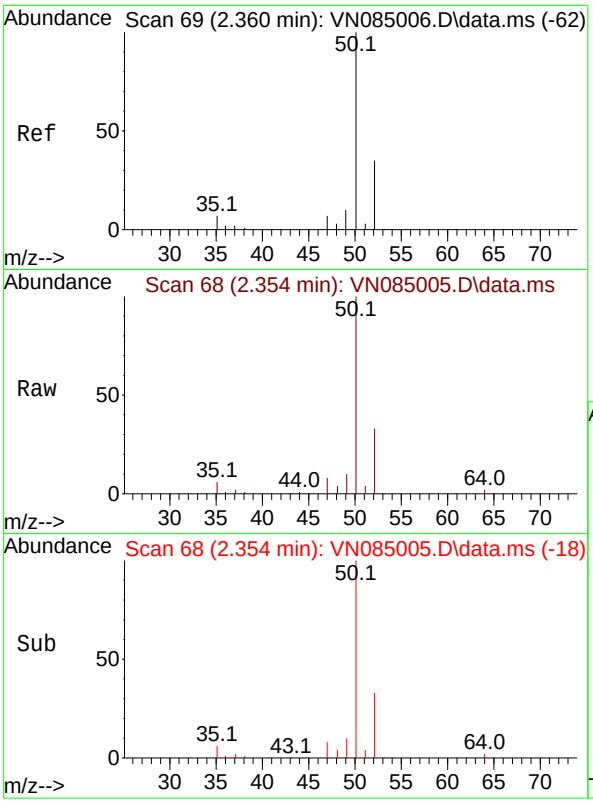


#2
Dichlorodifluoromethane
Concen: 102.473 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 85 Resp: 202252

Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.7	47.1



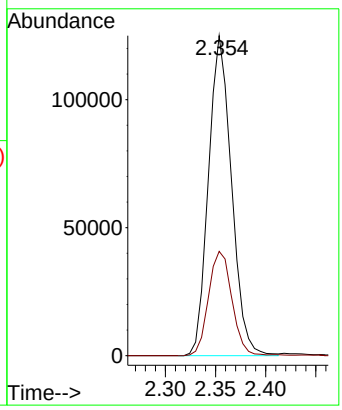


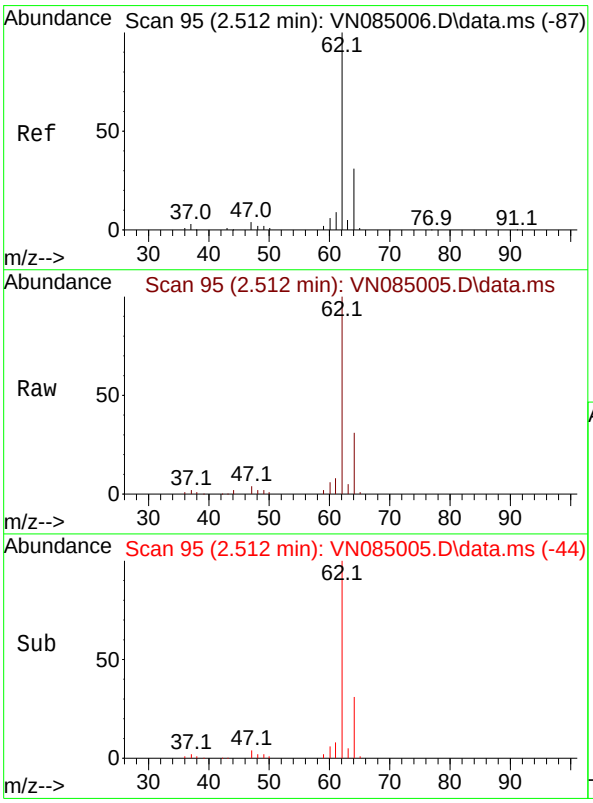
#3
Chloromethane
Concen: 87.235 ug/l
RT: 2.354 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 199697

Ion	Ratio	Lower	Upper
50	100		
52	32.6	27.8	41.8

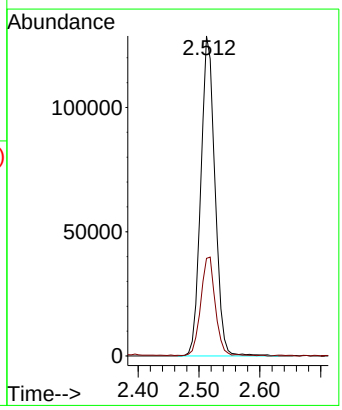


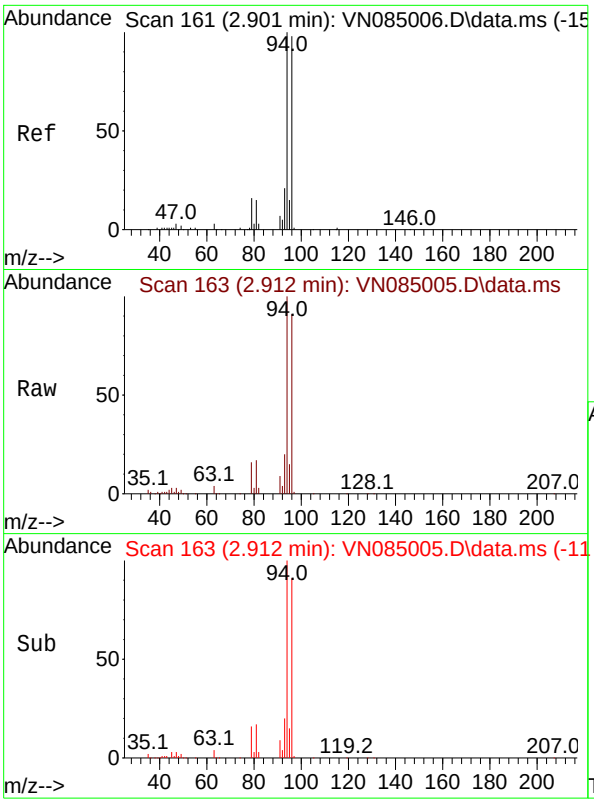


#4
Vinyl Chloride
Concen: 101.241 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 62 Resp: 208274

Ion	Ratio	Lower	Upper
62	100		
64	30.3	24.6	36.8



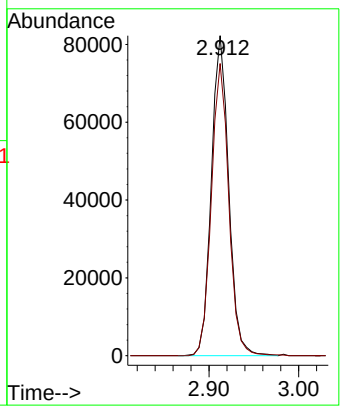


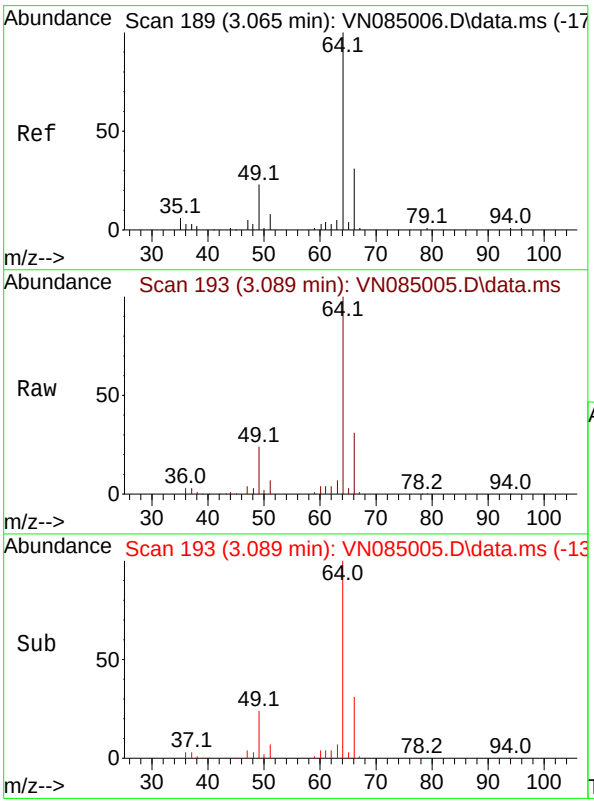
#5
Bromomethane
Concen: 95.681 ug/l
RT: 2.912 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 110325

Ion	Ratio	Lower	Upper
94	100		
96	91.3	78.7	118.1

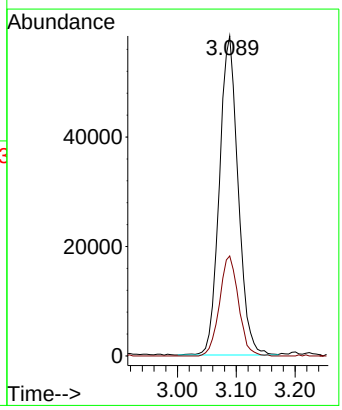


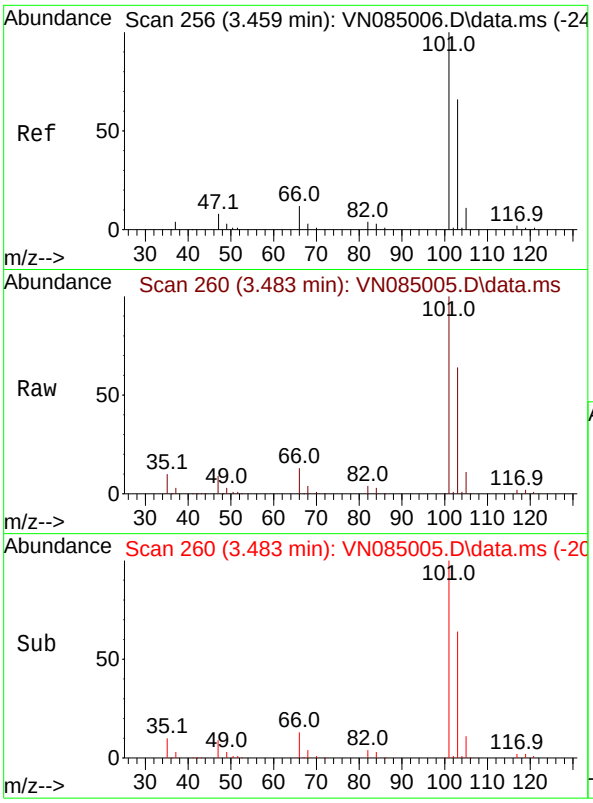


#6
Chloroethane
Concen: 93.064 ug/l
RT: 3.089 min Scan# 193
Delta R.T. 0.024 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 64 Resp: 129044

Ion	Ratio	Lower	Upper
64	100		
66	31.3	24.4	36.6



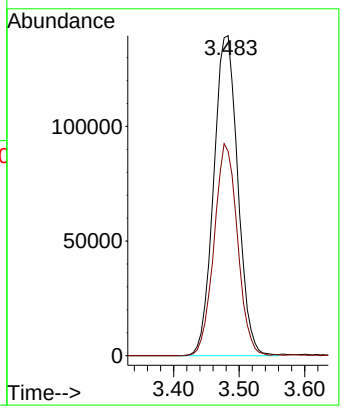


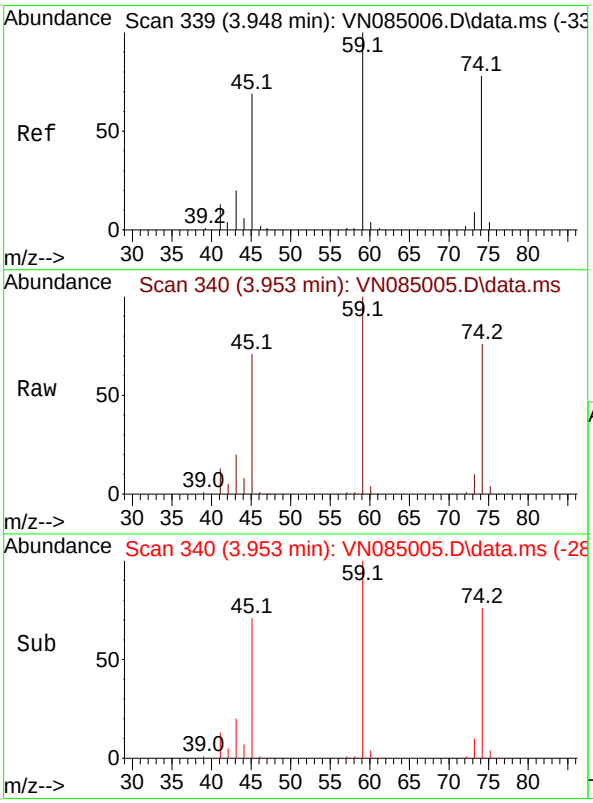
#7
Trichlorofluoromethane
Concen: 101.806 ug/l
RT: 3.483 min Scan# 2
Delta R.T. 0.024 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 356271

Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.6	78.8

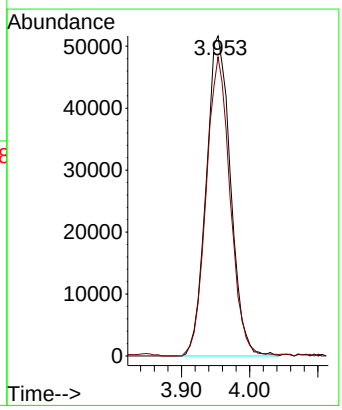


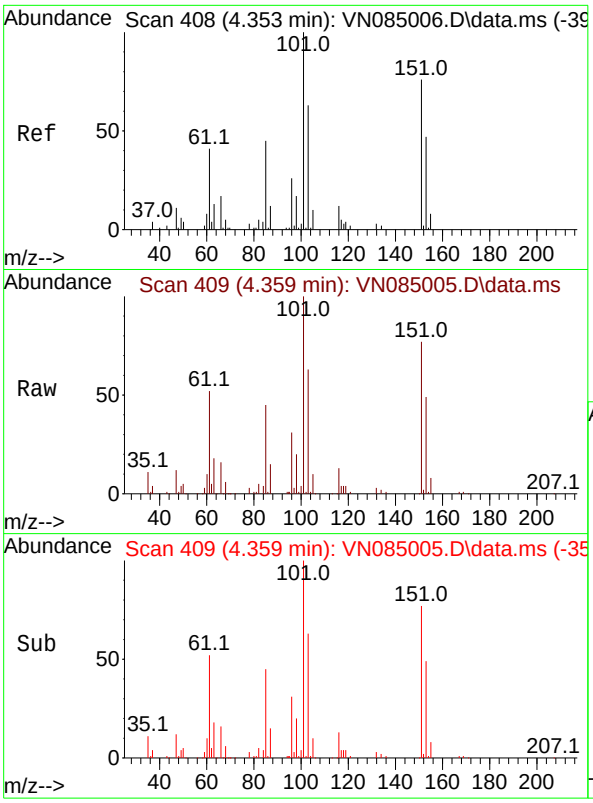


#8
Diethyl Ether
Concen: 107.697 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 74 Resp: 128277

Ion	Ratio	Lower	Upper
74	100		
45	91.9	46.7	140.1



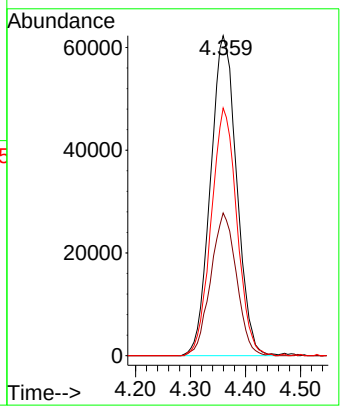


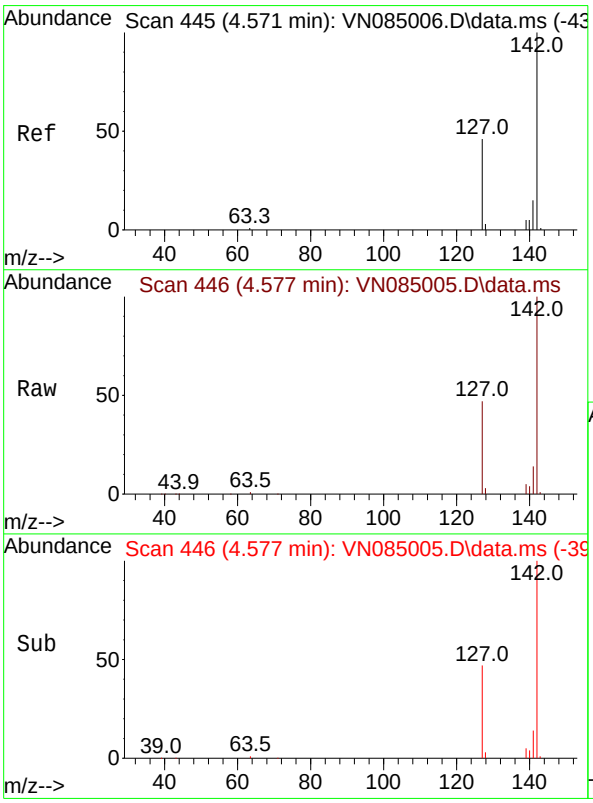
#9
1,1,2-Trichlorotrifluoroethane
Concen: 103.783 ug/l
RT: 4.359 min Scan# 4(
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 205989

Ion	Ratio	Lower	Upper
101	100		
85	44.0	36.9	55.3
151	75.9	60.8	91.2

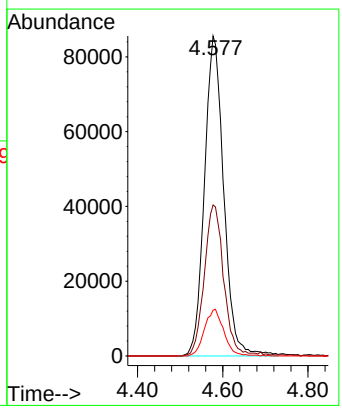


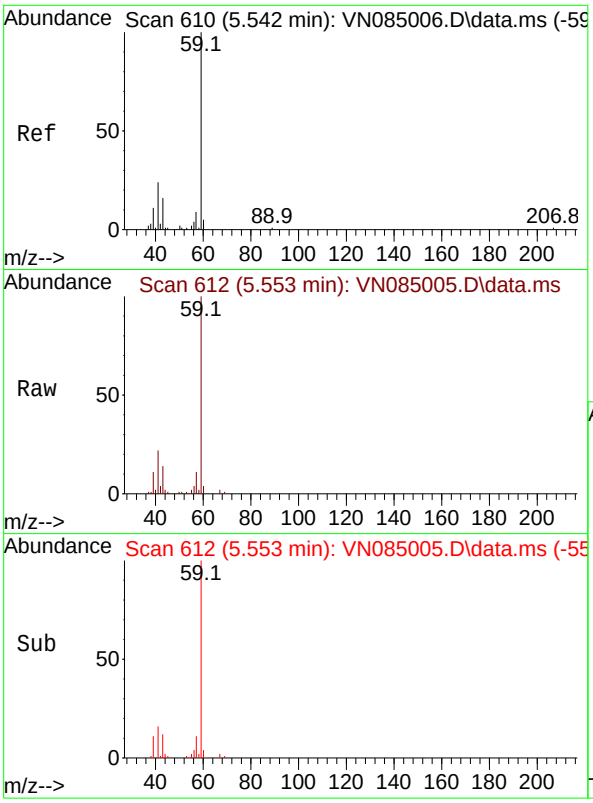


#10
Methyl Iodide
Concen: 102.212 ug/l
RT: 4.577 min Scan# 446
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:142 Resp: 268539

Ion	Ratio	Lower	Upper
142	100		
127	47.2	36.6	54.8
141	14.3	12.2	18.4



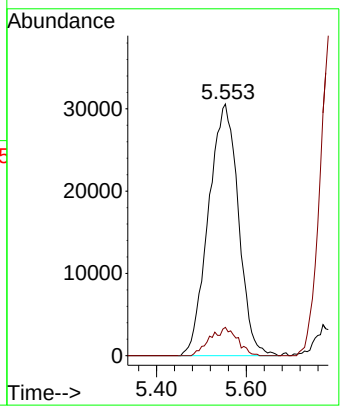


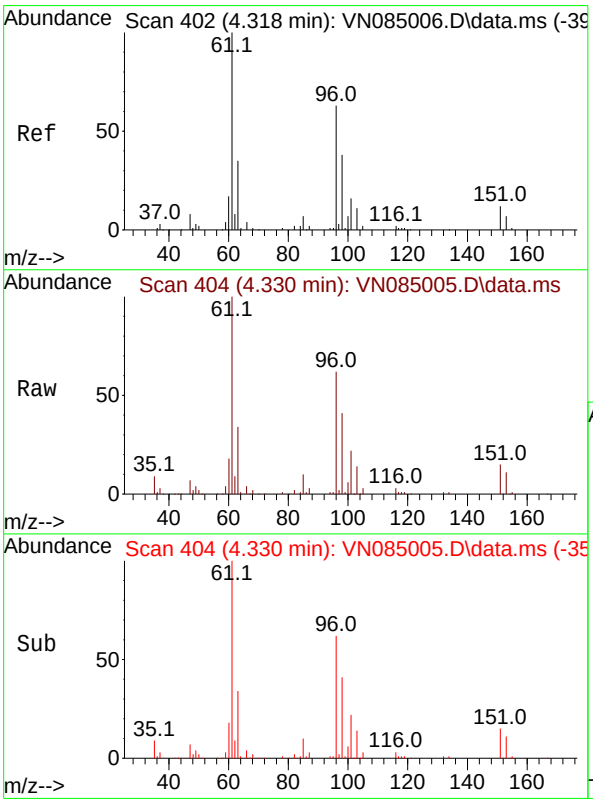
#11
Tert butyl alcohol
Concen: 427.348 ug/l
RT: 5.553 min Scan# 61
Delta R.T. 0.012 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 141986

Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.4	11.0

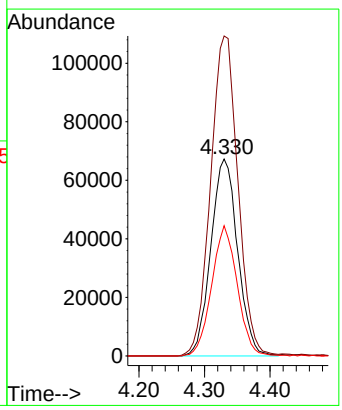


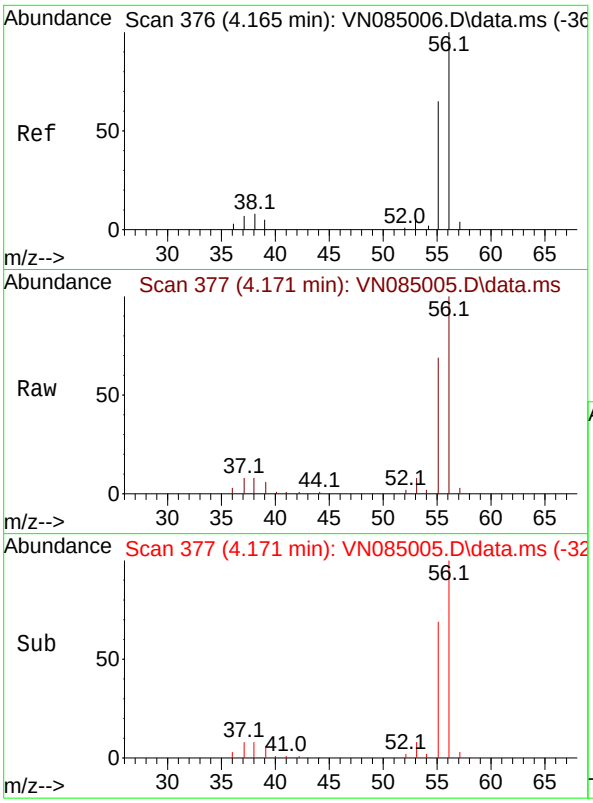


#12
1,1-Dichloroethene
Concen: 103.013 ug/l
RT: 4.330 min Scan# 404
Delta R.T. 0.012 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 96 Resp: 190847

Ion	Ratio	Lower	Upper
96	100		
61	162.4	127.8	191.8
98	66.1	49.2	73.8



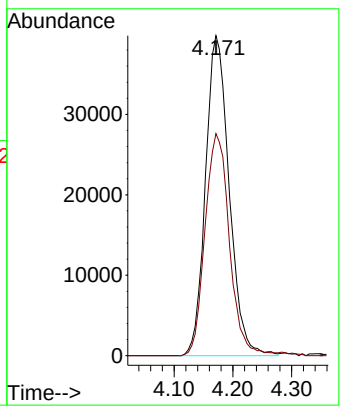


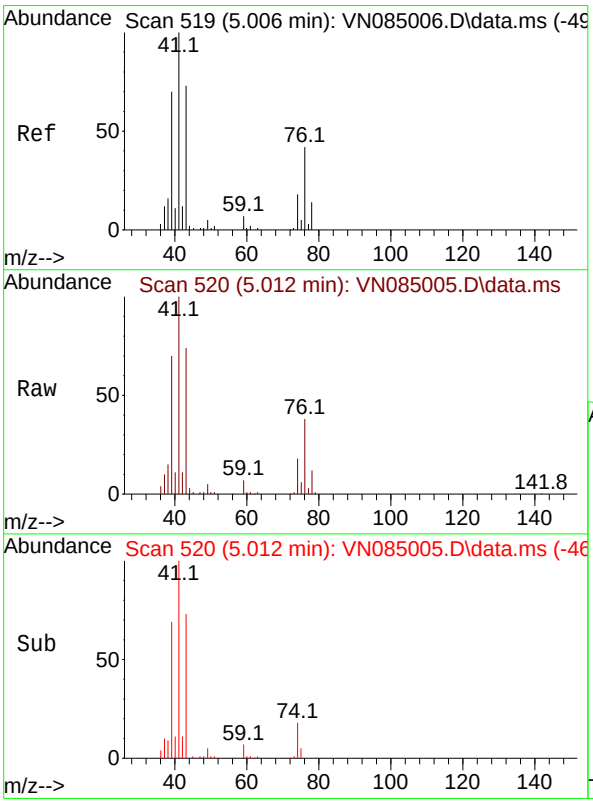
#13
Acrolein
Concen: 502.422 ug/l
RT: 4.171 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 111387

Ion	Ratio	Lower	Upper
56	100		
55	71.2	54.5	81.7

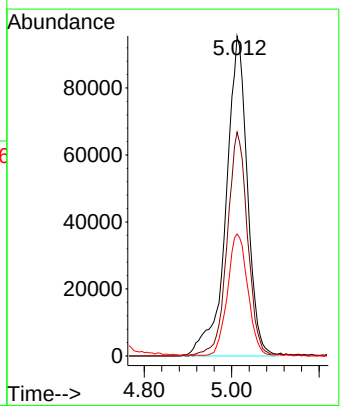


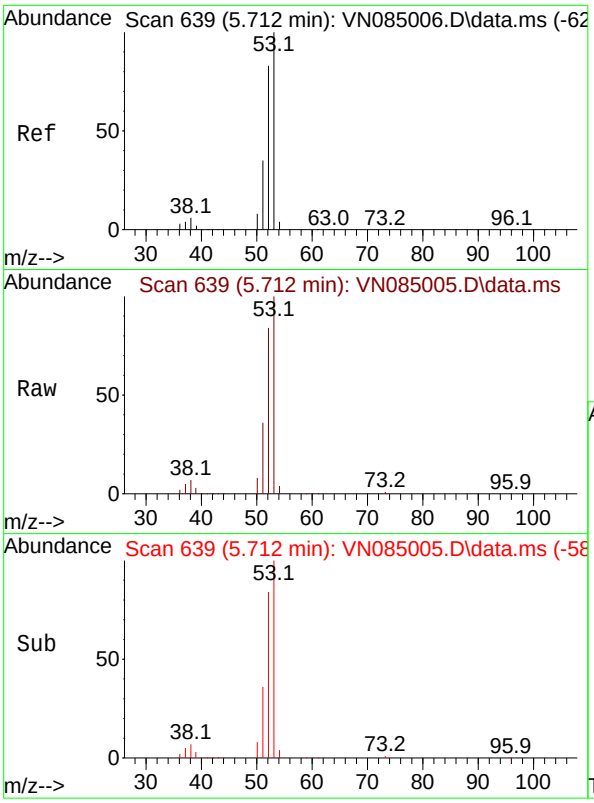


#14
Allyl chloride
Concen: 103.788 ug/l
RT: 5.012 min Scan# 520
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 41 Resp: 324148

Ion	Ratio	Lower	Upper
41	100		
39	66.7	53.8	80.8
76	35.8	29.3	43.9



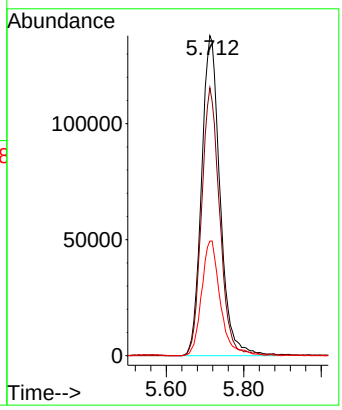


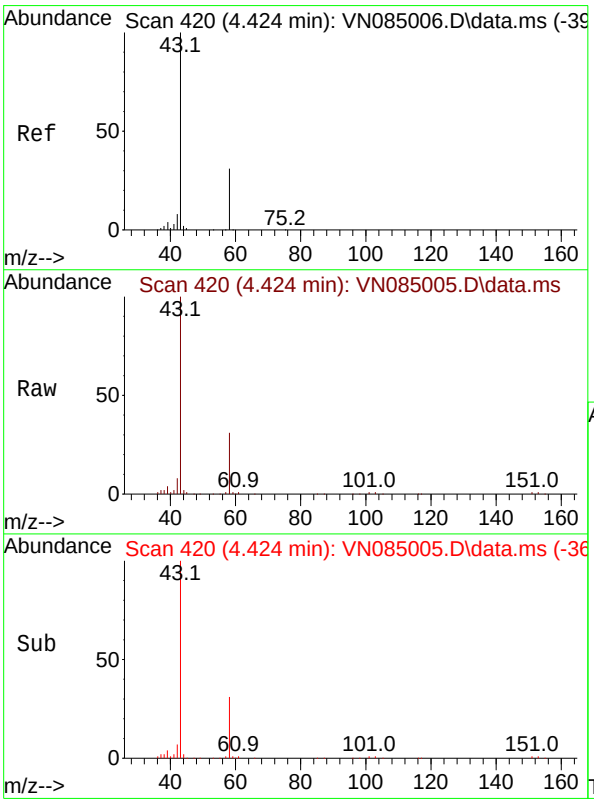
#15
Acrylonitrile
Concen: 485.851 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 457016

Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.5	98.3
51	36.3	28.4	42.6

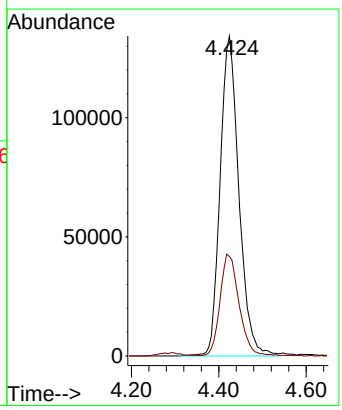


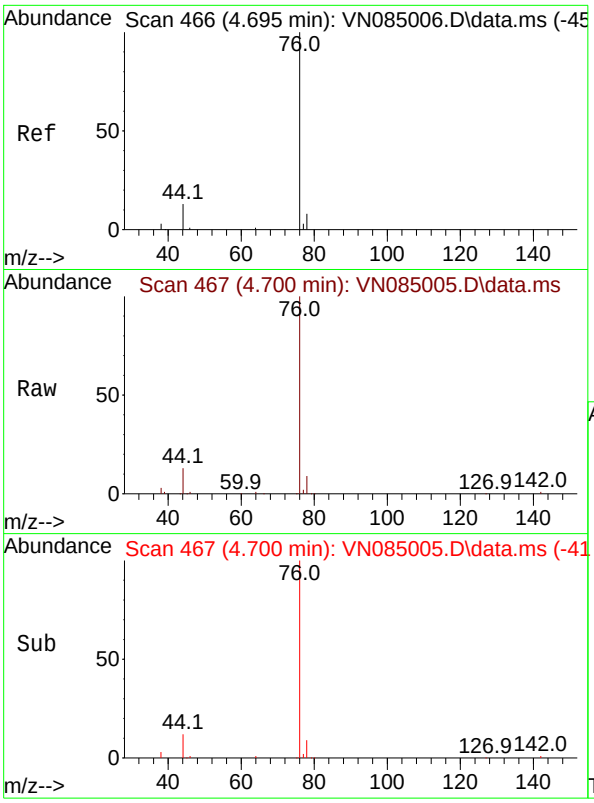


#16
Acetone
Concen: 551.165 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 399104

Ion	Ratio	Lower	Upper
43	100		
58	30.8	25.4	38.2



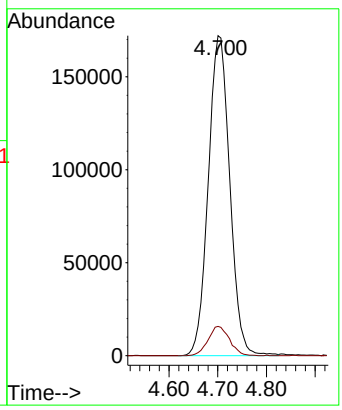


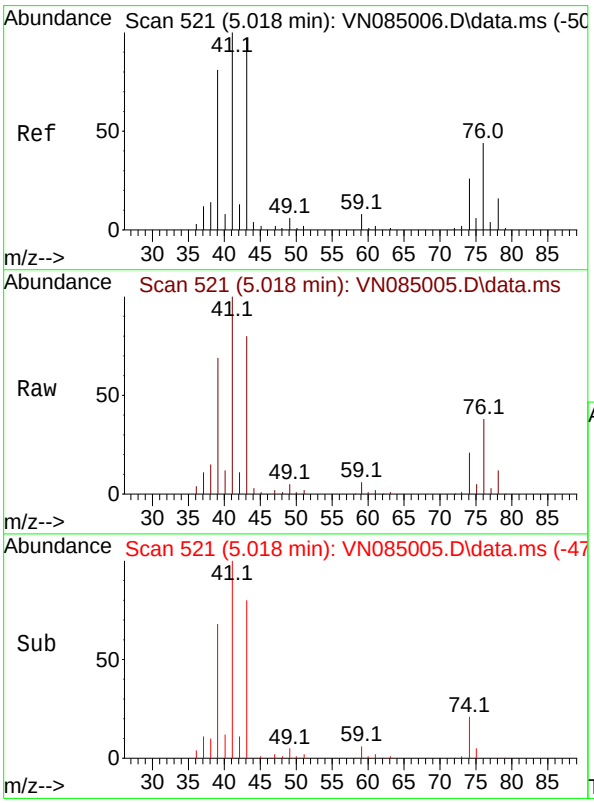
#17
Carbon Disulfide
Concen: 96.448 ug/l
RT: 4.700 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 527408

Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.5	9.7

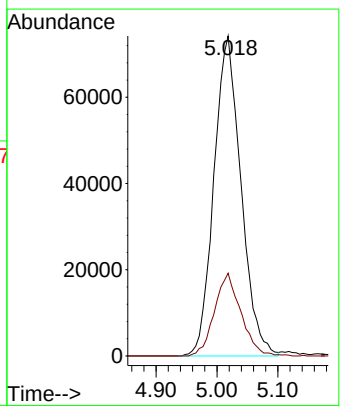


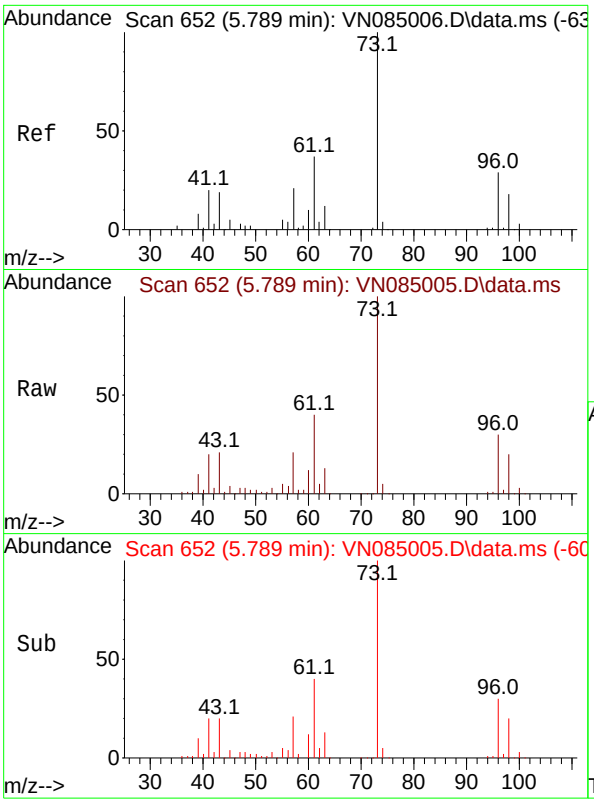


#18
Methyl Acetate
Concen: 100.214 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 229272

Ion	Ratio	Lower	Upper
43	100		
74	25.2	20.1	30.1



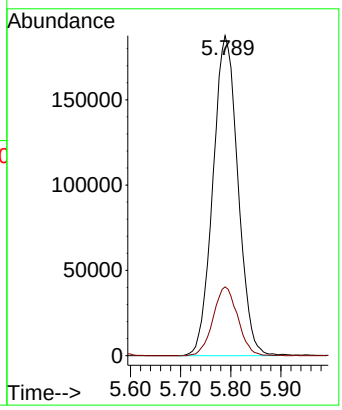


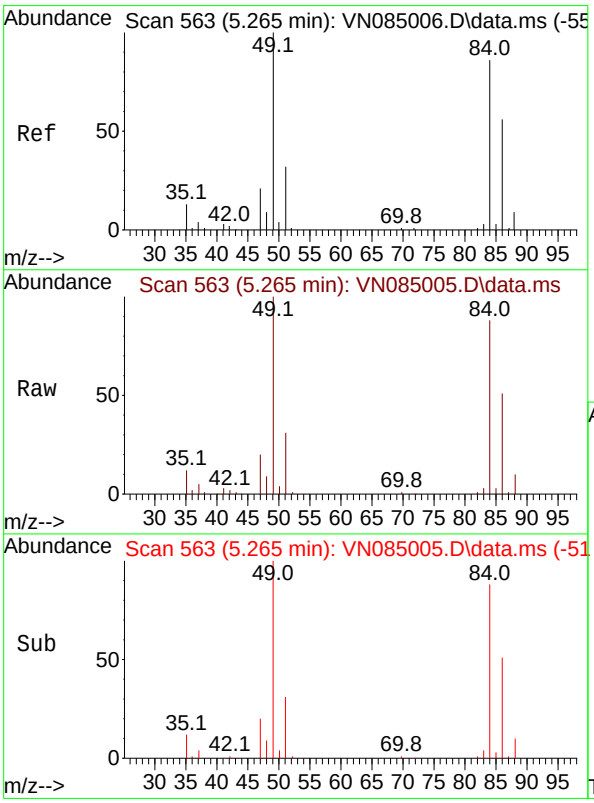
#19
Methyl tert-butyl Ether
Concen: 107.267 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 649308

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.0	25.4

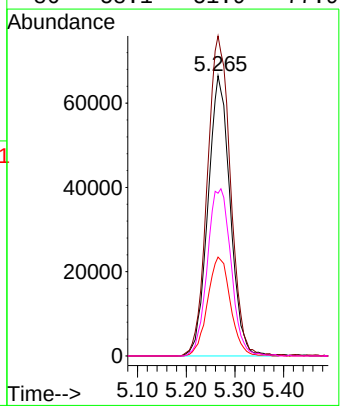


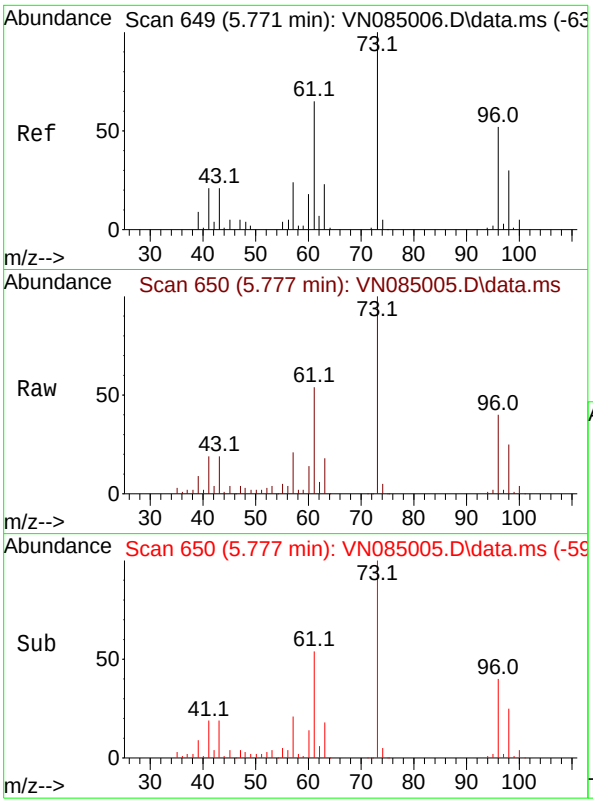


#20
Methylene Chloride
Concen: 95.251 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 84 Resp: 210468

Ion	Ratio	Lower	Upper
84	100		
49	114.2	92.7	139.1
51	35.3	29.4	44.2
86	58.1	51.9	77.9



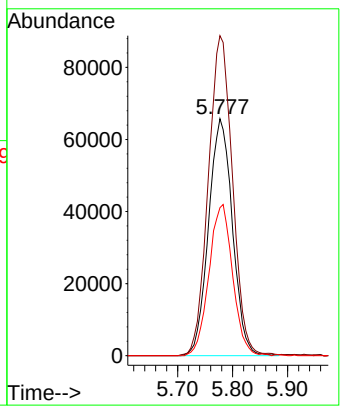


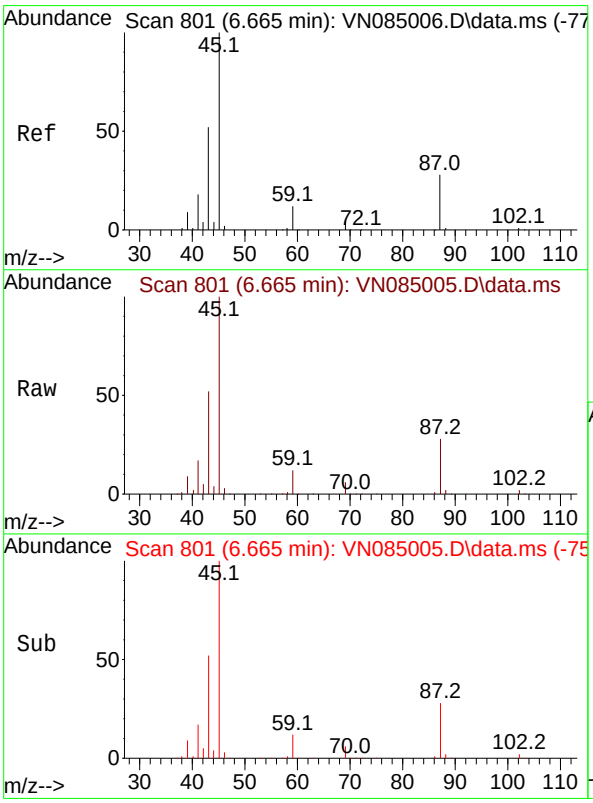
#21
trans-1,2-Dichloroethene
Concen: 102.076 ug/l
RT: 5.777 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 199008

Ion	Ratio	Lower	Upper
96	100		
61	135.1	100.7	151.1
98	62.5	45.8	68.6

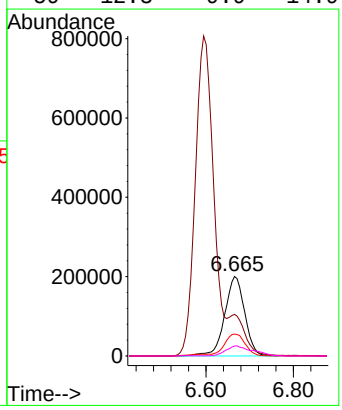


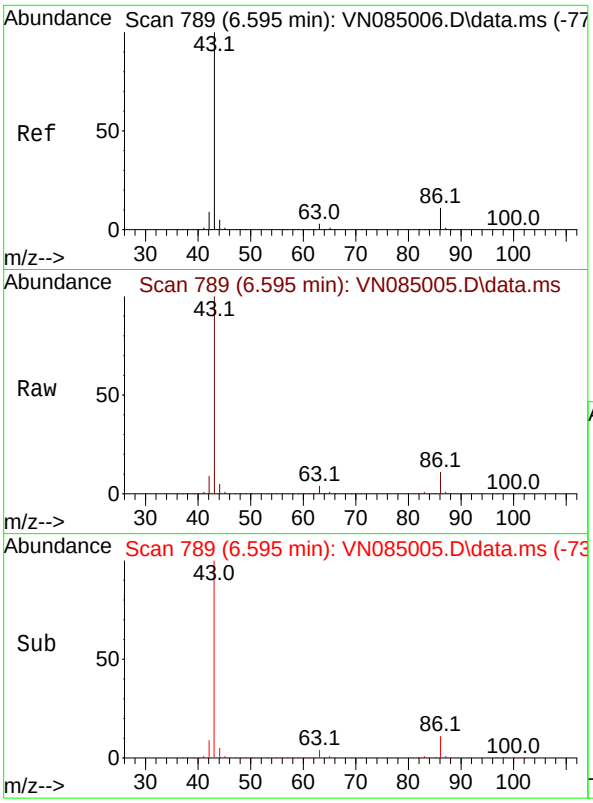


#22
Diisopropyl ether
Concen: 100.923 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 45 Resp: 634389

Ion	Ratio	Lower	Upper
45	100		
43	51.5	42.7	64.1
87	27.3	22.6	34.0
59	12.3	9.9	14.9



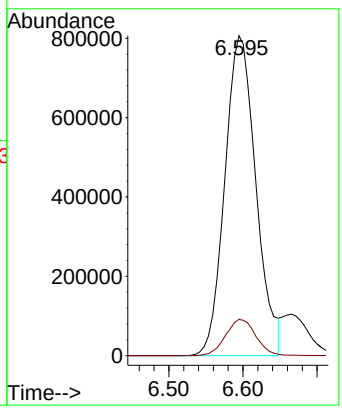


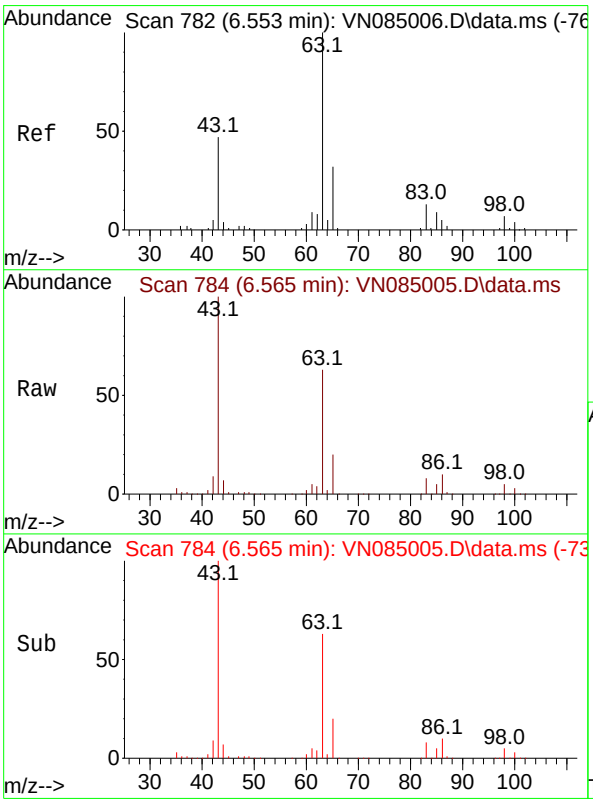
#23
Vinyl Acetate
Concen: 541.815 ug/l
RT: 6.595 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2349580

Ion	Ratio	Lower	Upper
43	100		
86	11.3	8.9	13.3

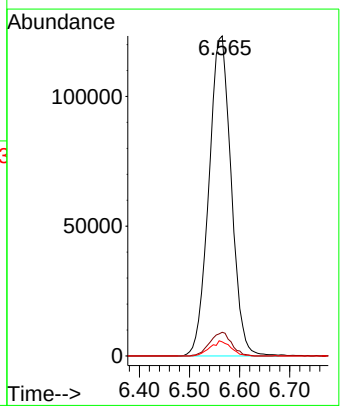


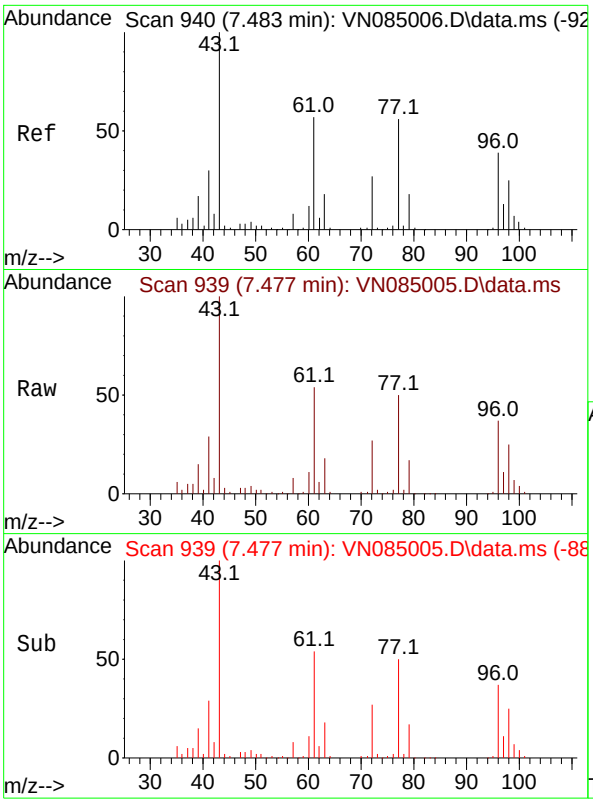


#24
1,1-Dichloroethane
Concen: 101.270 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.012 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 63 Resp: 380941

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.3	9.8
100	4.4	2.2	6.6



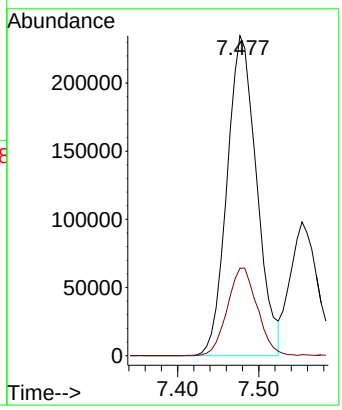


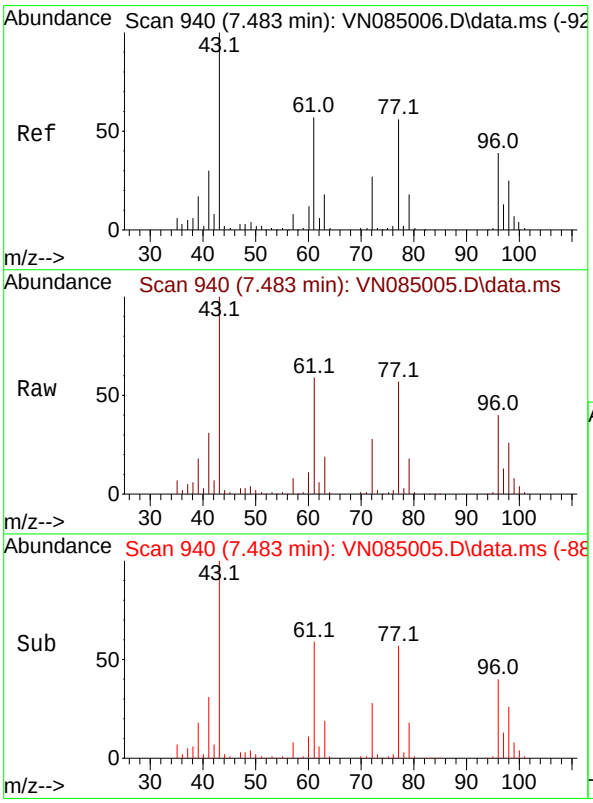
#25
2-Butanone
Concen: 503.469 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 596036

Ion	Ratio	Lower	Upper
43	100		
72	27.3	21.4	32.0

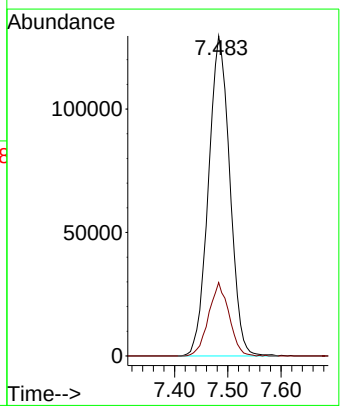


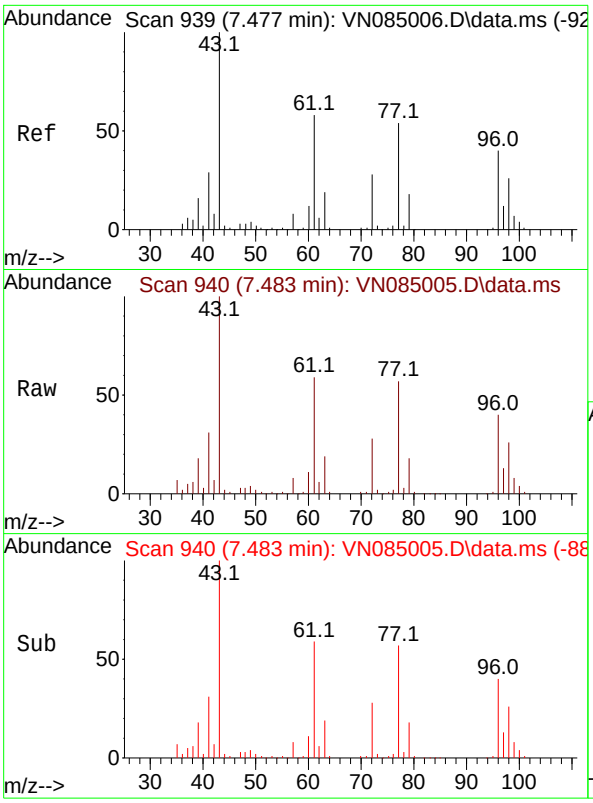


#26
2,2-Dichloropropane
Concen: 102.775 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 77 Resp: 360997

Ion	Ratio	Lower	Upper
77	100		
97	21.9	10.9	32.7



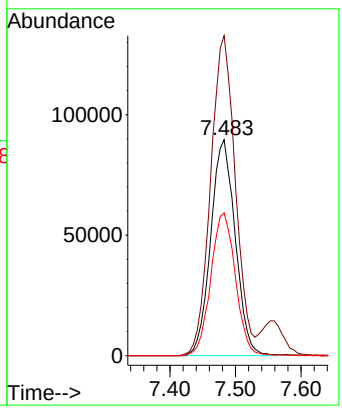


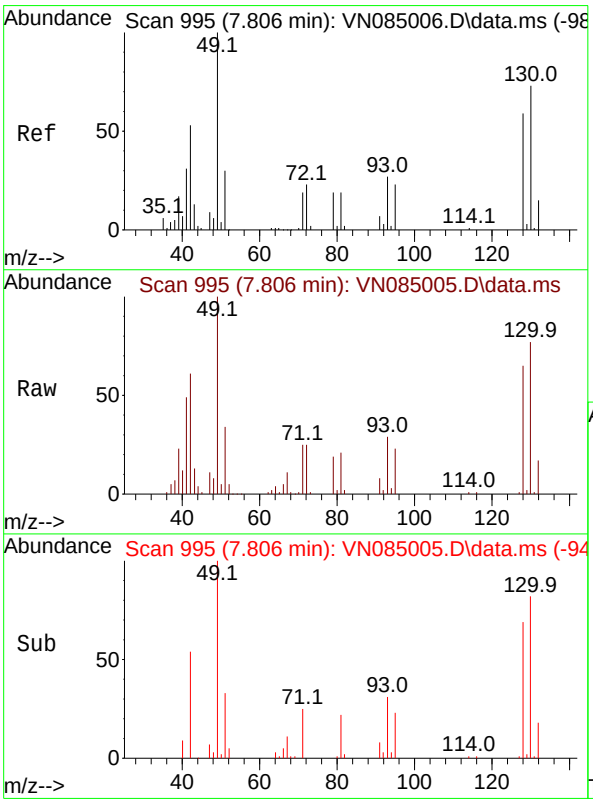
#27
cis-1,2-Dichloroethene
Concen: 99.132 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 232992

Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	291.6
98	66.3	0.0	129.8

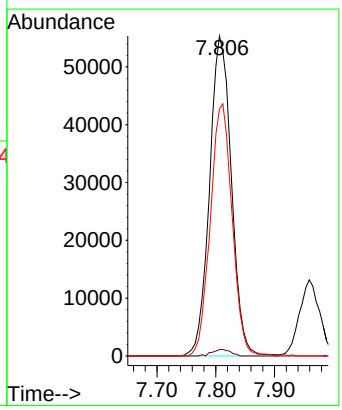


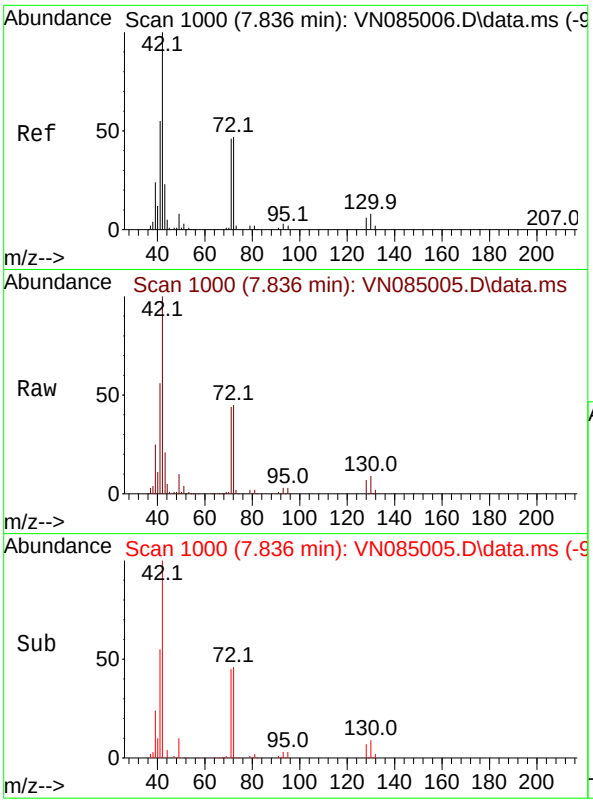


#28
Bromochloromethane
Concen: 100.575 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 49 Resp: 142811

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.0
130	78.7	60.6	90.8



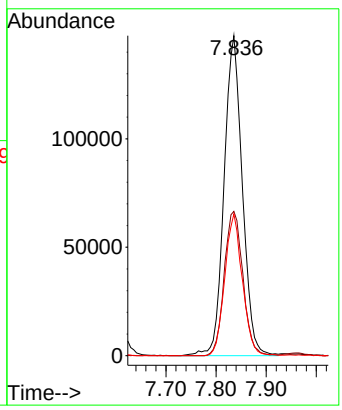


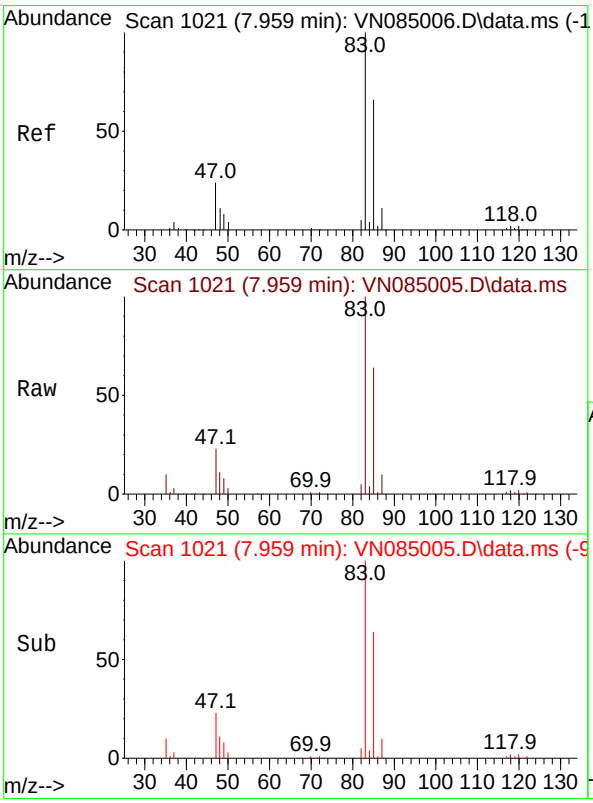
#29
Tetrahydrofuran
Concen: 507.558 ug/l
RT: 7.836 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 373666

Ion	Ratio	Lower	Upper
42	100		
72	46.1	37.0	55.4
71	42.7	35.0	52.4

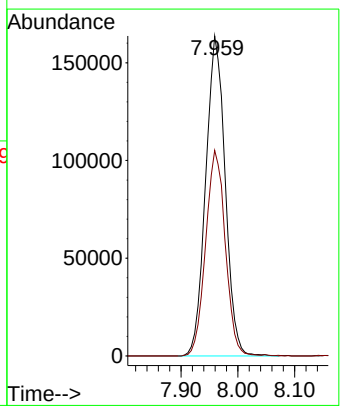


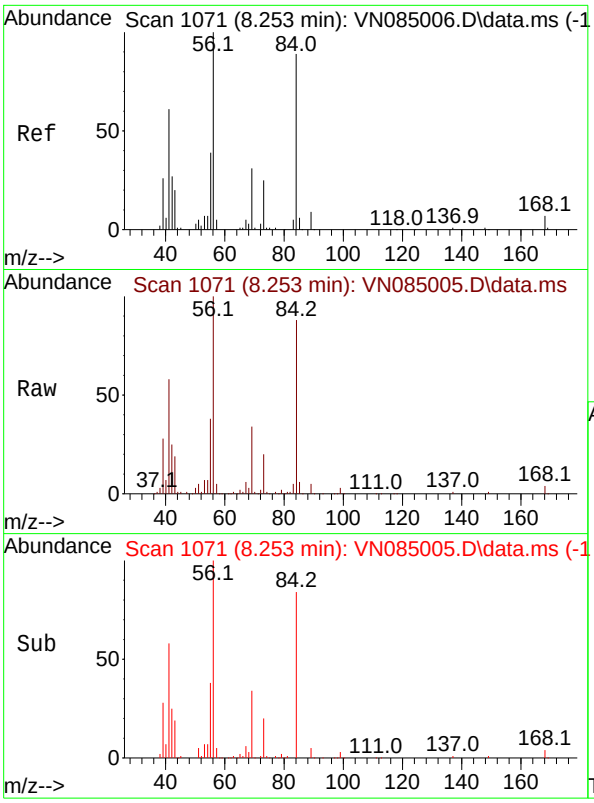


#30
Chloroform
Concen: 97.513 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 83 Resp: 390189

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.6	78.8



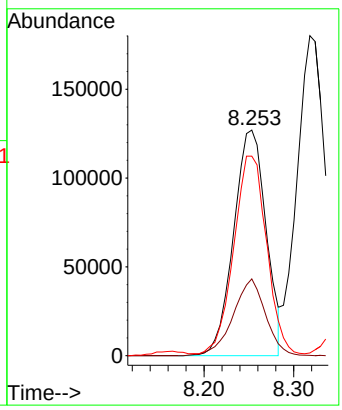


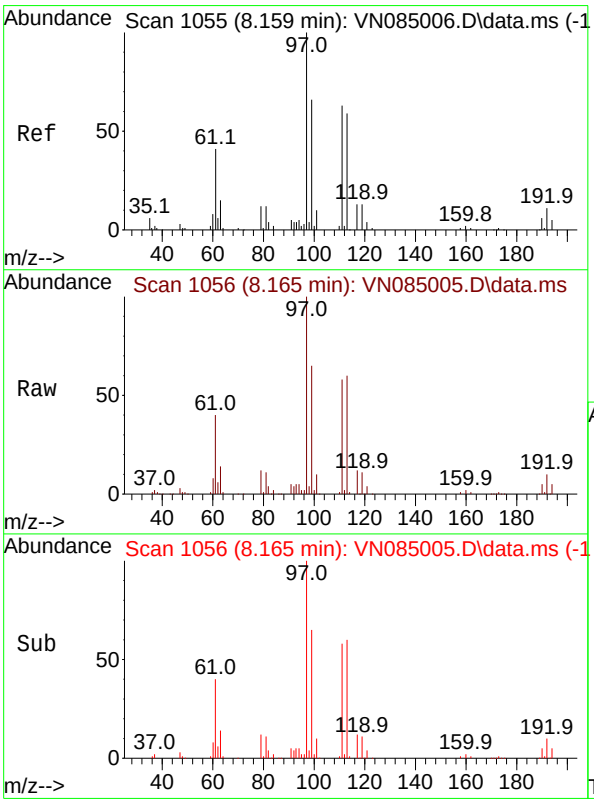
#31
Cyclohexane
Concen: 96.305 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 318957

Ion	Ratio	Lower	Upper
56	100		
69	34.1	24.6	36.8
84	86.8	71.4	107.2

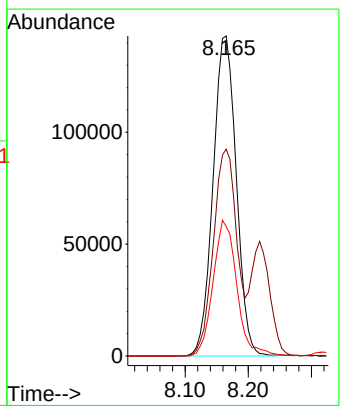


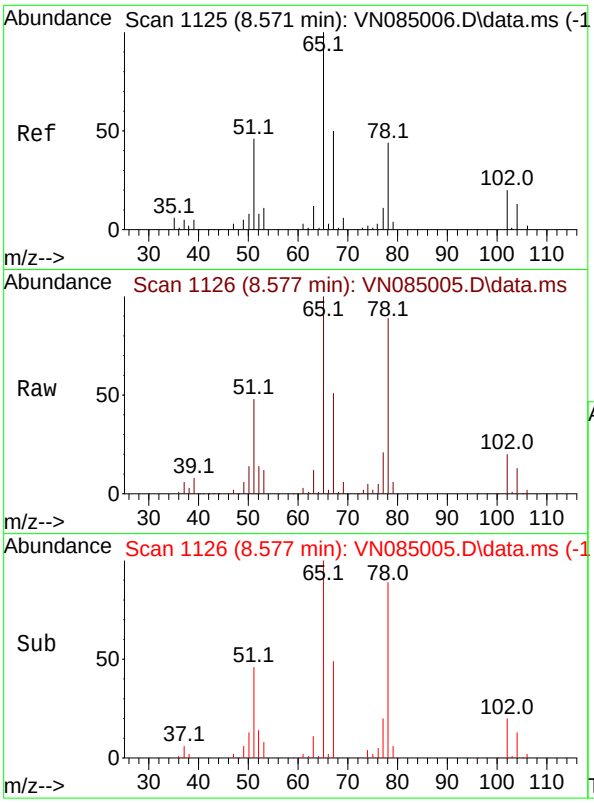


#32
1,1,1-Trichloroethane
Concen: 101.081 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 97 Resp: 365495

Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.0	76.4
61	43.4	36.2	54.2



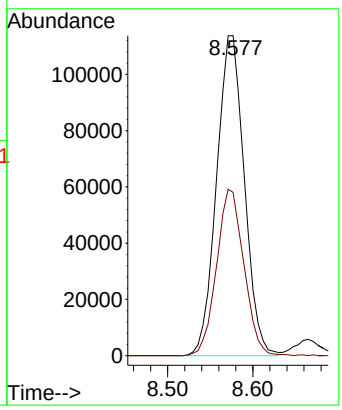


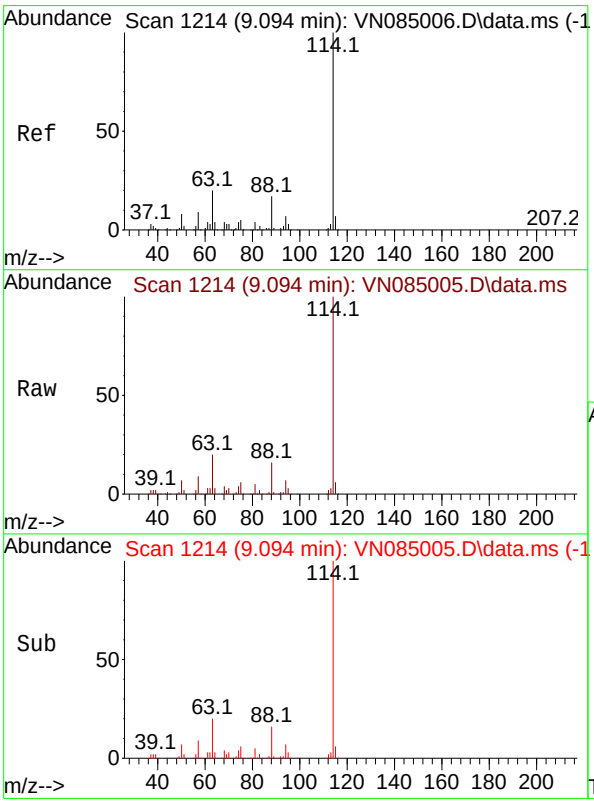
#33
1,2-Dichloroethane-d4
Concen: 103.553 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 257466

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	105.0

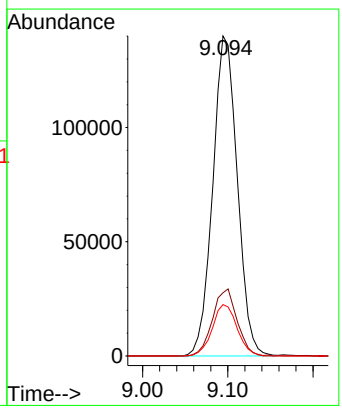


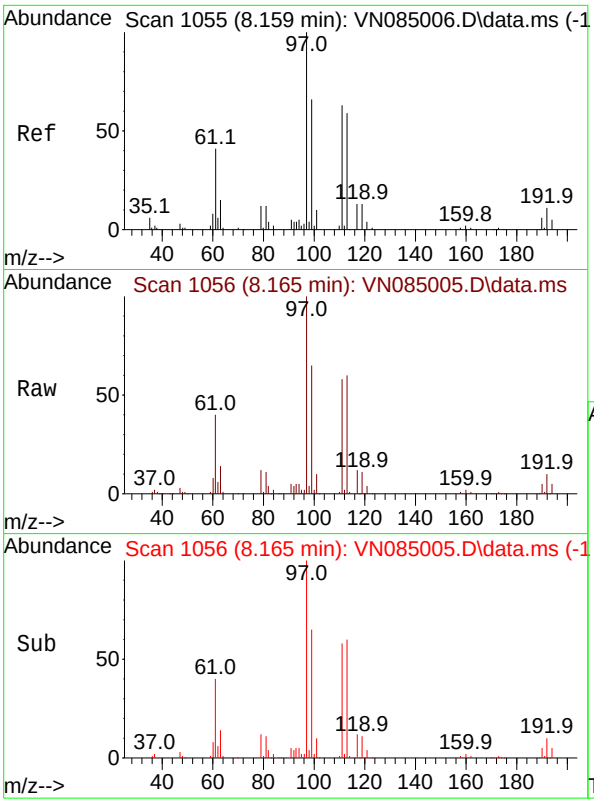


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:114 Resp: 280535

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	41.0
88	16.1	0.0	34.8



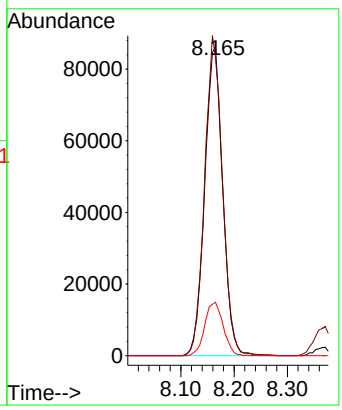


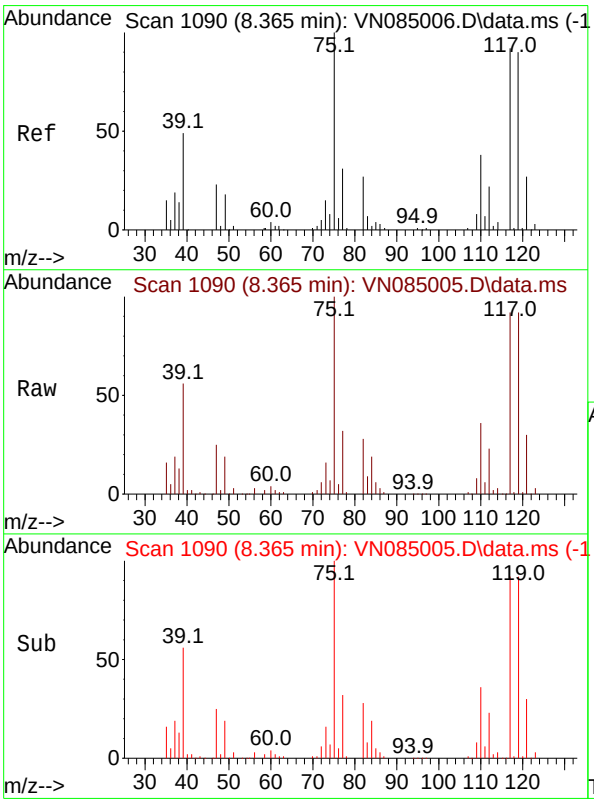
#35
Dibromofluoromethane
Concen: 107.183 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 202772

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.0	123.0
192	17.7	14.8	22.2

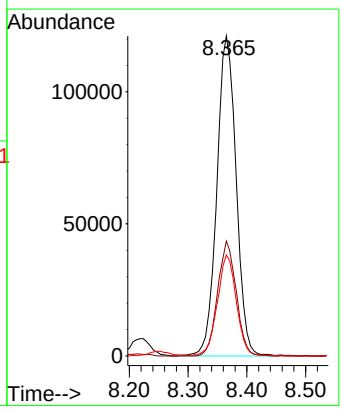


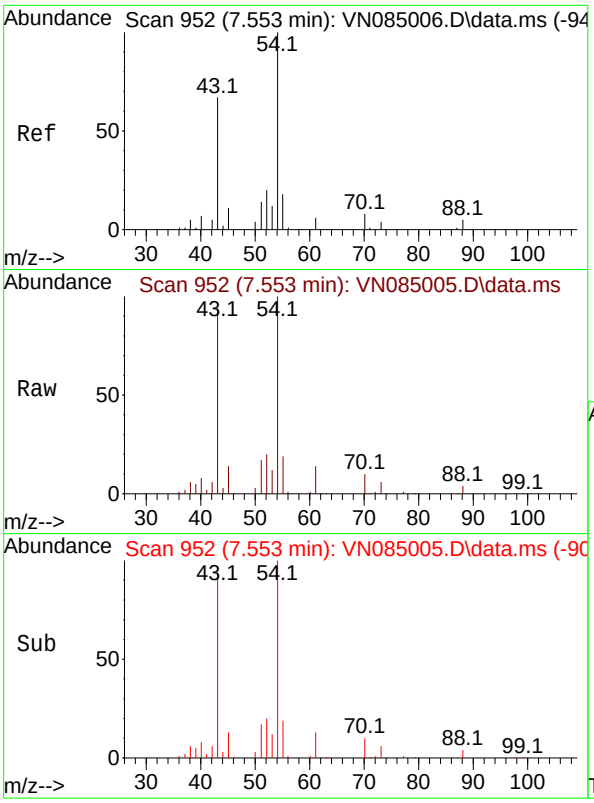


#36
1,1-Dichloropropene
Concen: 107.966 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 276659

Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.2	51.6
77	31.0	24.2	36.4



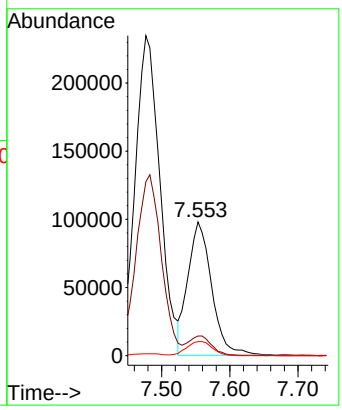


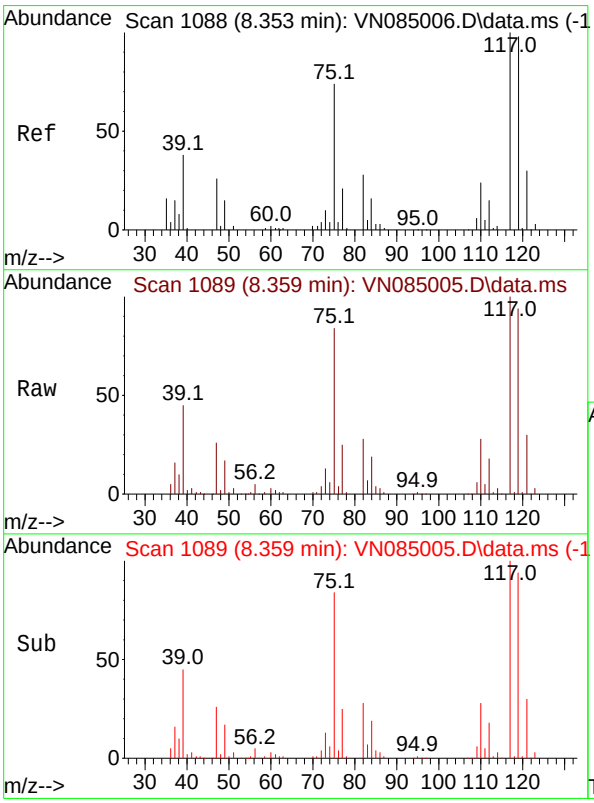
#37
Ethyl Acetate
Concen: 101.478 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 236399

Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.7	17.5
70	11.6	9.3	13.9

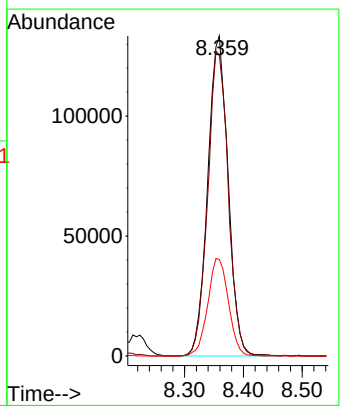


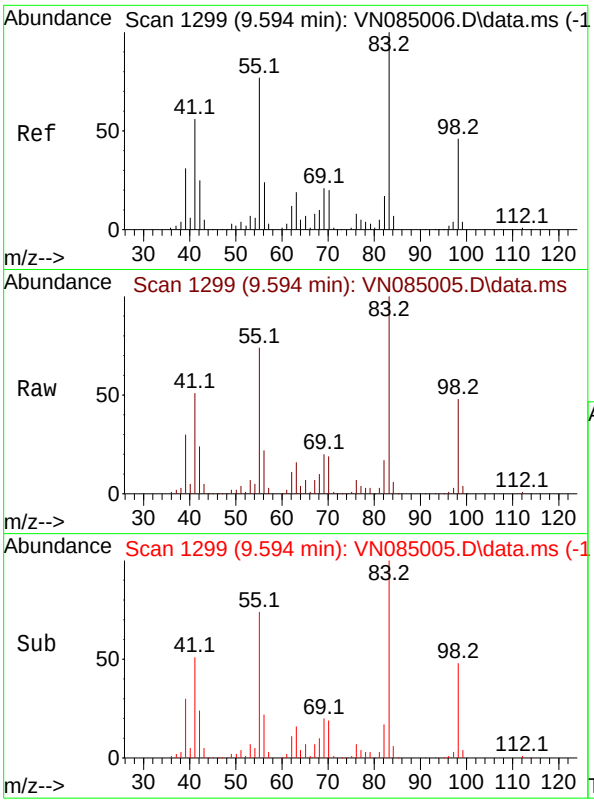


#38
Carbon Tetrachloride
Concen: 108.554 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:117 Resp: 321086

Ion	Ratio	Lower	Upper
117	100		
119	94.1	78.6	117.8
121	30.1	24.2	36.2



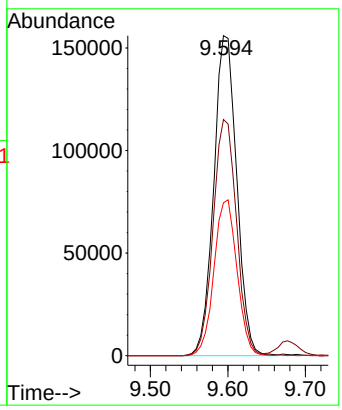


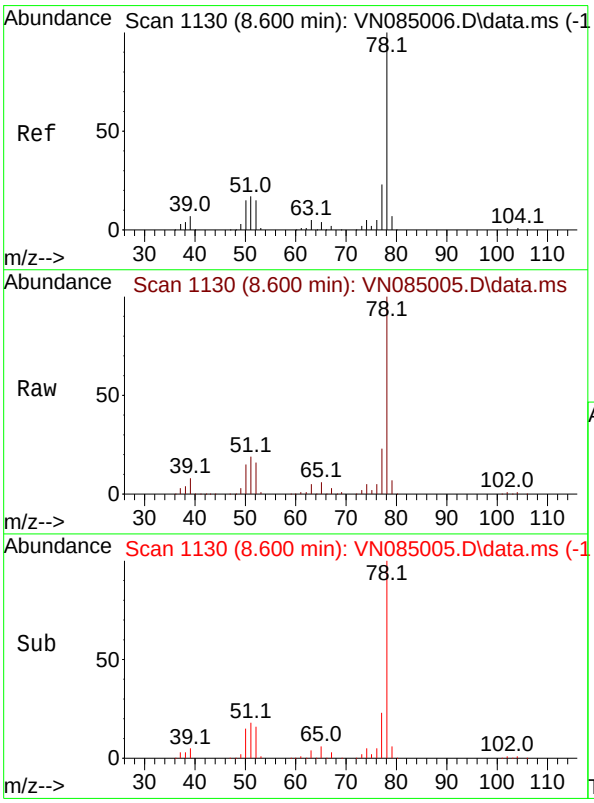
#39
Methylcyclohexane
Concen: 120.983 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 322151

Ion	Ratio	Lower	Upper
83	100		
55	73.8	61.8	92.6
98	47.8	37.0	55.6

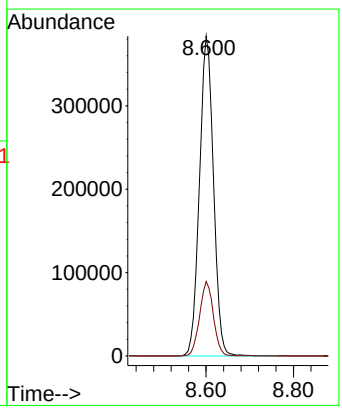


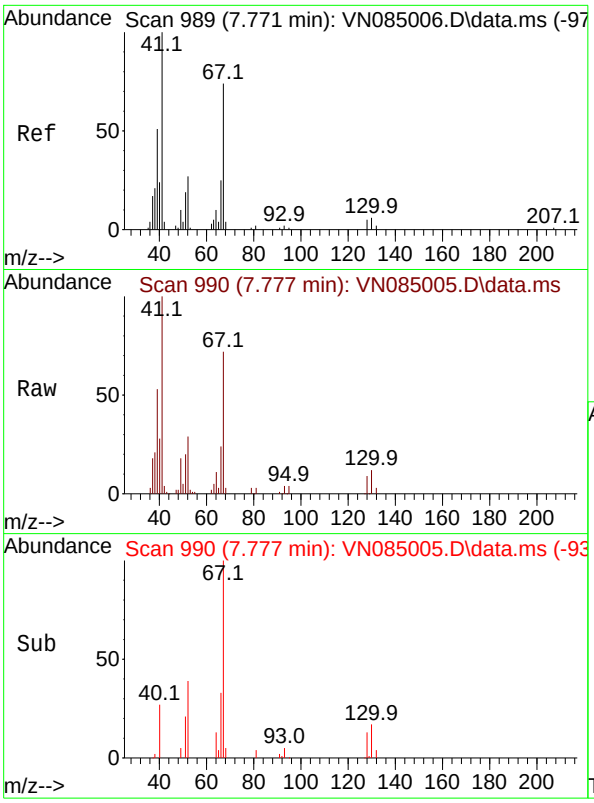


#40
Benzene
Concen: 105.783 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 78 Resp: 857333

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.5	27.7



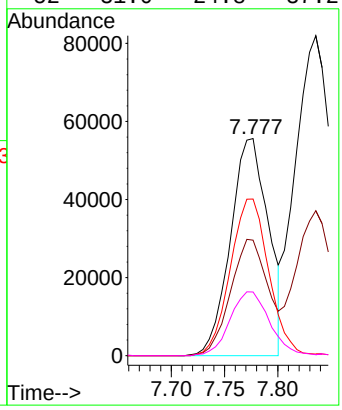


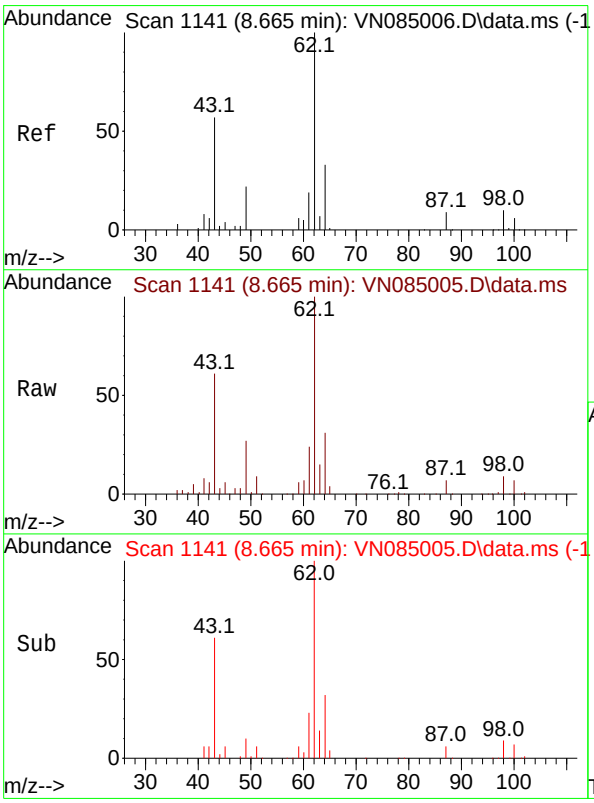
#41
Methacrylonitrile
Concen: 107.026 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 138044

Ion	Ratio	Lower	Upper
41	100		
39	52.8	42.6	63.8
67	73.5	59.9	89.9
52	31.0	24.8	37.2

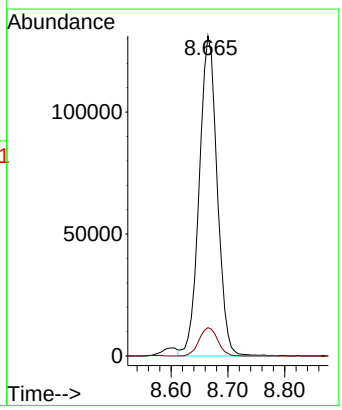


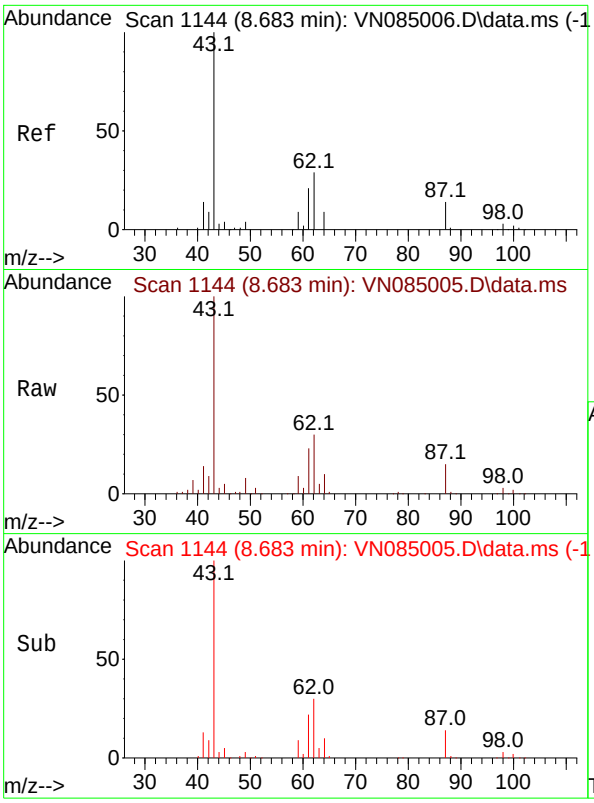


#42
1,2-Dichloroethane
Concen: 103.986 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 62 Resp: 288320

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2



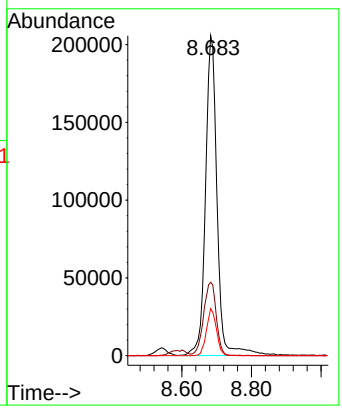


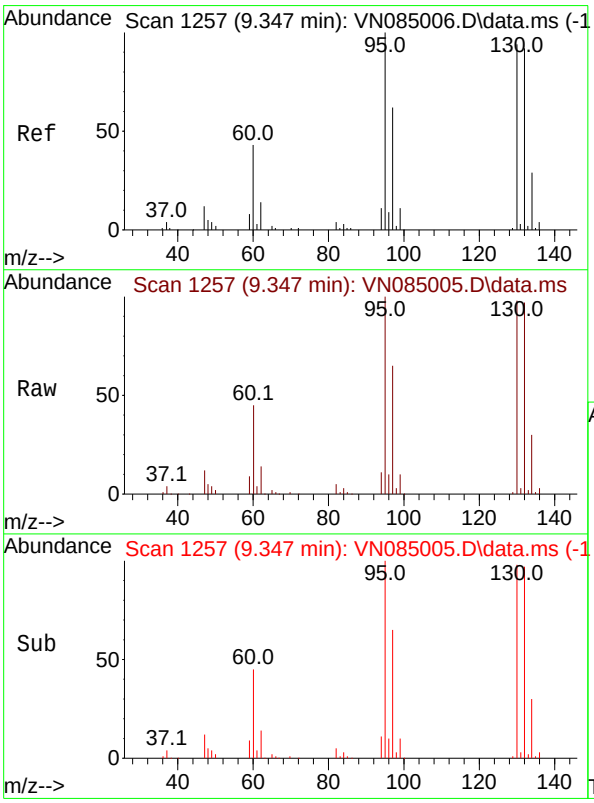
#43
Isopropyl Acetate
Concen: 97.891 ug/l
RT: 8.683 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 473683

Ion	Ratio	Lower	Upper
43	100		
61	24.9	20.6	30.8
87	12.7	11.0	16.4

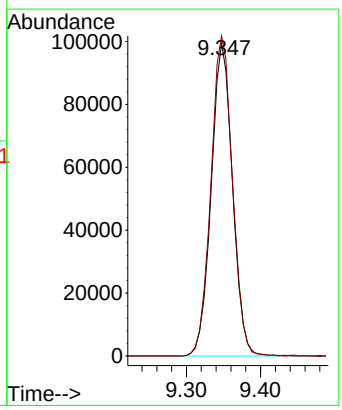


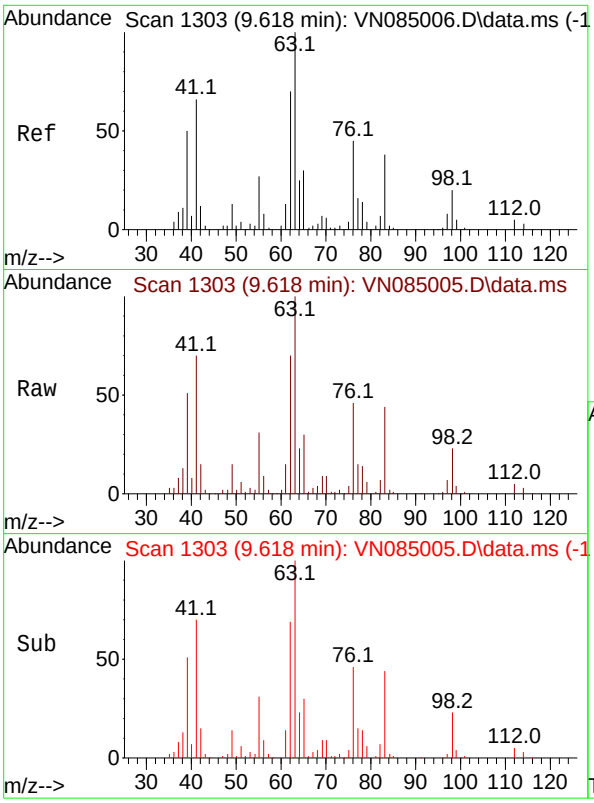


#44
Trichloroethene
Concen: 104.851 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:130 Resp: 197483

Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	213.4



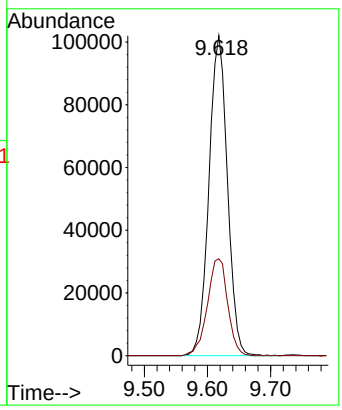


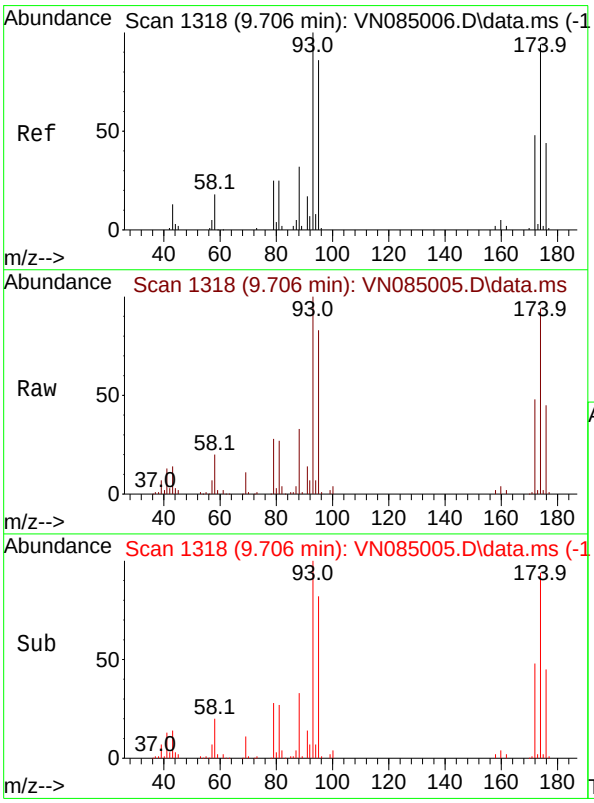
#45
1,2-Dichloropropane
Concen: 103.586 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 206776

Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.0	36.0

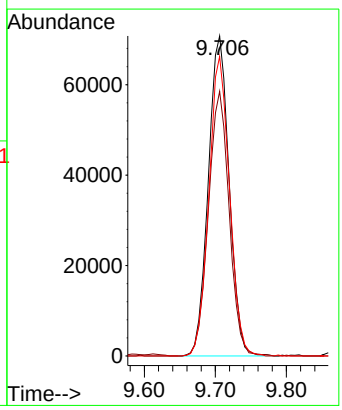


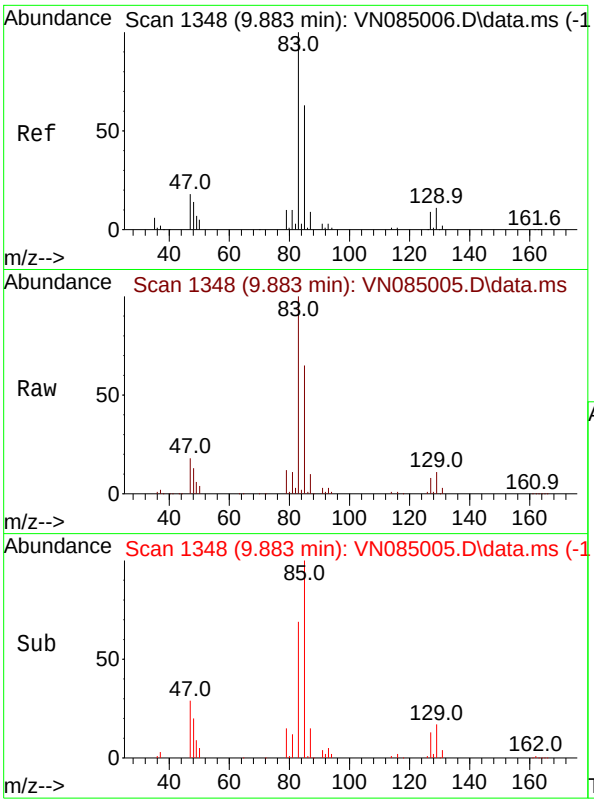


#46
Dibromomethane
Concen: 103.900 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 93 Resp: 144116

Ion	Ratio	Lower	Upper
93	100		
95	82.3	66.2	99.4
174	92.8	74.9	112.3



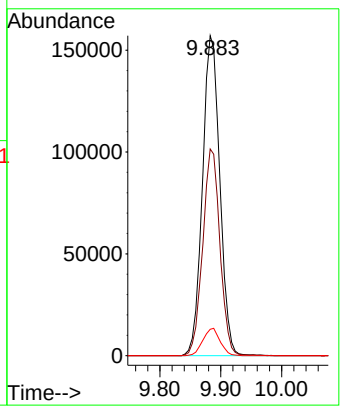


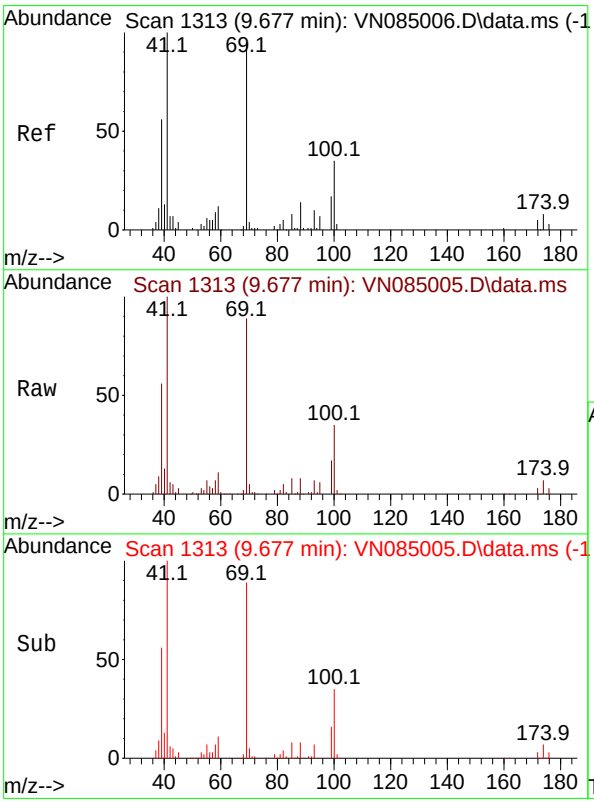
#47
Bromodichloromethane
Concen: 105.641 ug/l
RT: 9.883 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 310562

Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.5	75.7
127	8.2	7.1	10.7

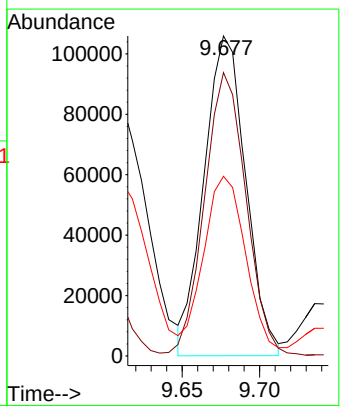


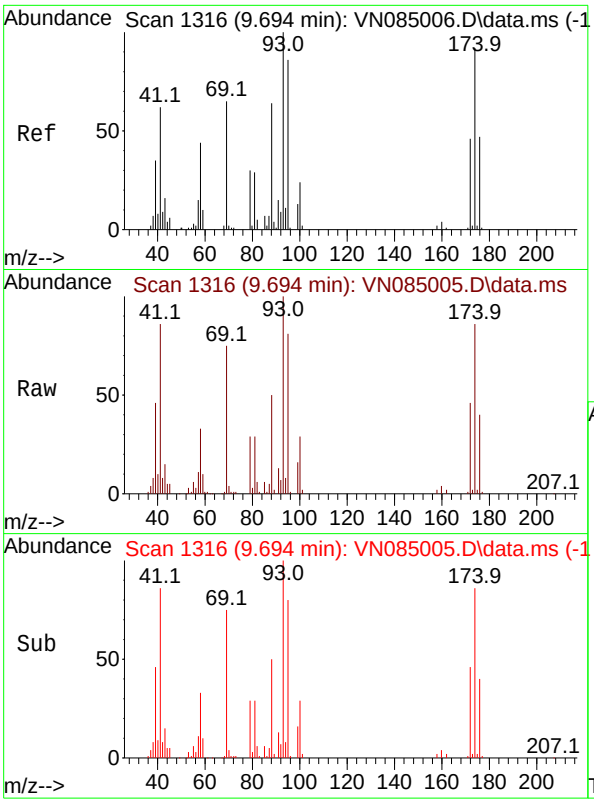


#48
Methyl methacrylate
Concen: 109.847 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 41 Resp: 197798

Ion	Ratio	Lower	Upper
41	100		
69	88.0	73.2	109.8
39	58.1	46.2	69.4



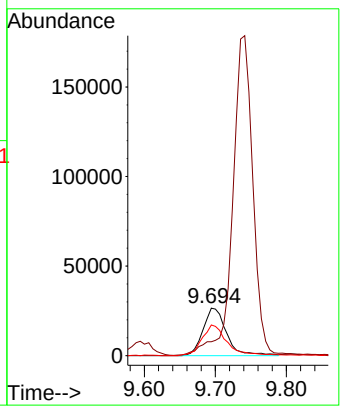


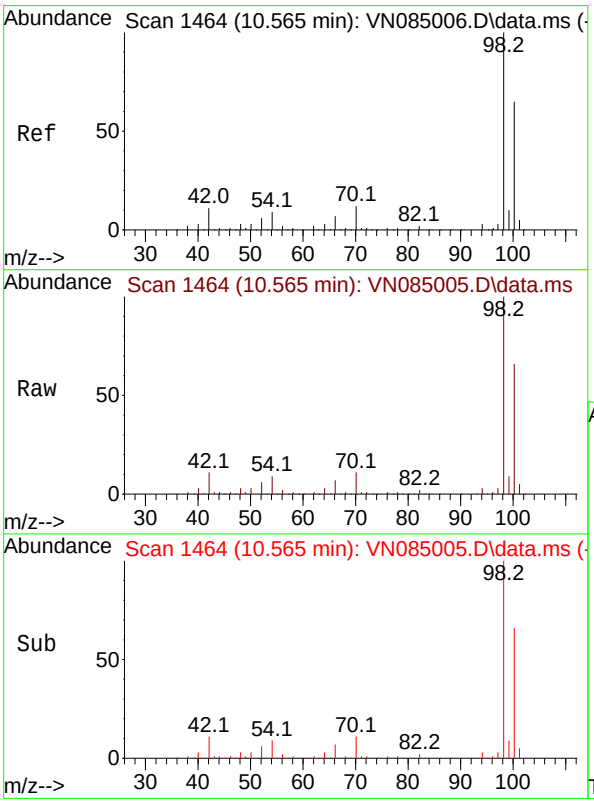
#49
1,4-Dioxane
Concen: 1959.471 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 61188

Ion	Ratio	Lower	Upper
88	100		
43	0.0	16.7	25.1#
58	69.8	56.5	84.7

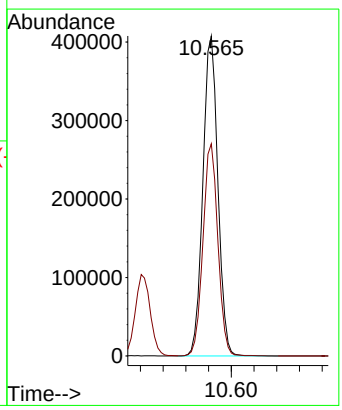


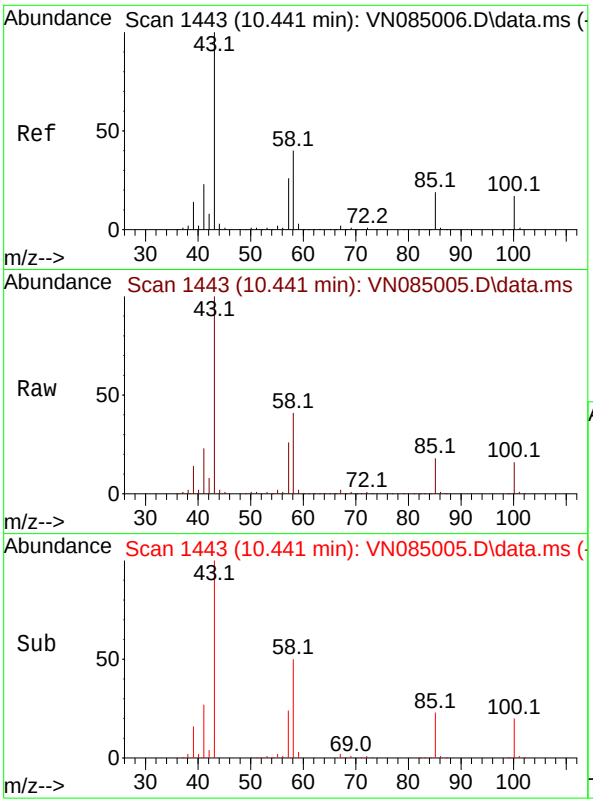


#50
Toluene-d8
Concen: 109.694 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 98 Resp: 743711

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.5	78.7



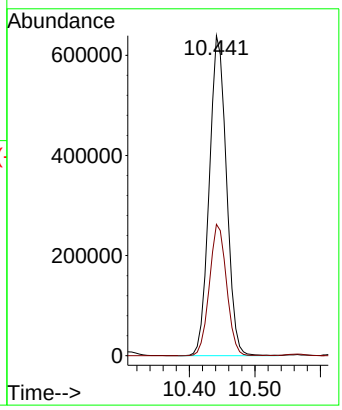


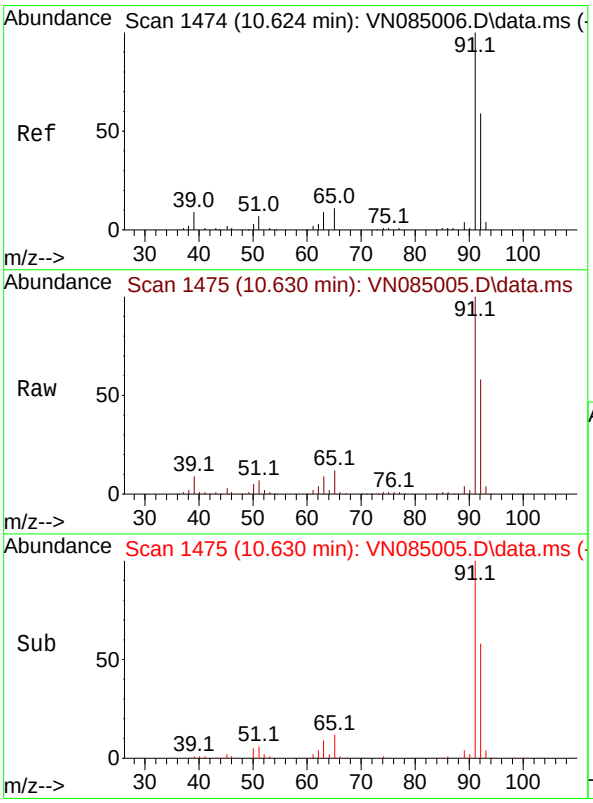
#51
4-Methyl-2-Pentanone
Concen: 525.783 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1162080

Ion	Ratio	Lower	Upper
43	100		
58	41.0	32.1	48.1

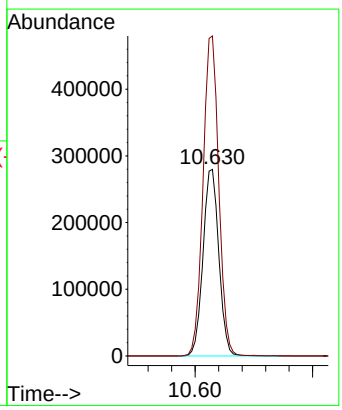


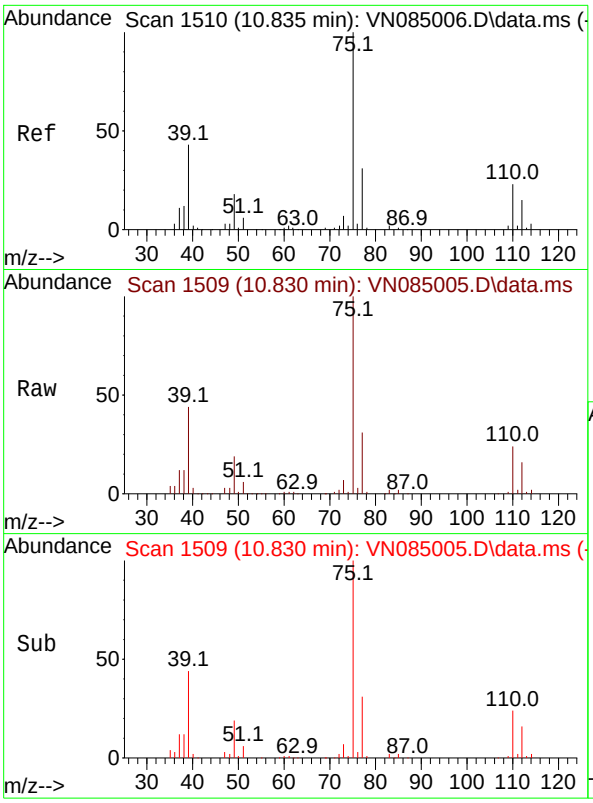


#52
Toluene
Concen: 109.001 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 92 Resp: 522980

Ion	Ratio	Lower	Upper
92	100		
91	170.8	136.7	205.1



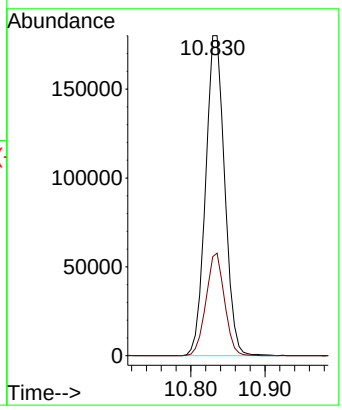


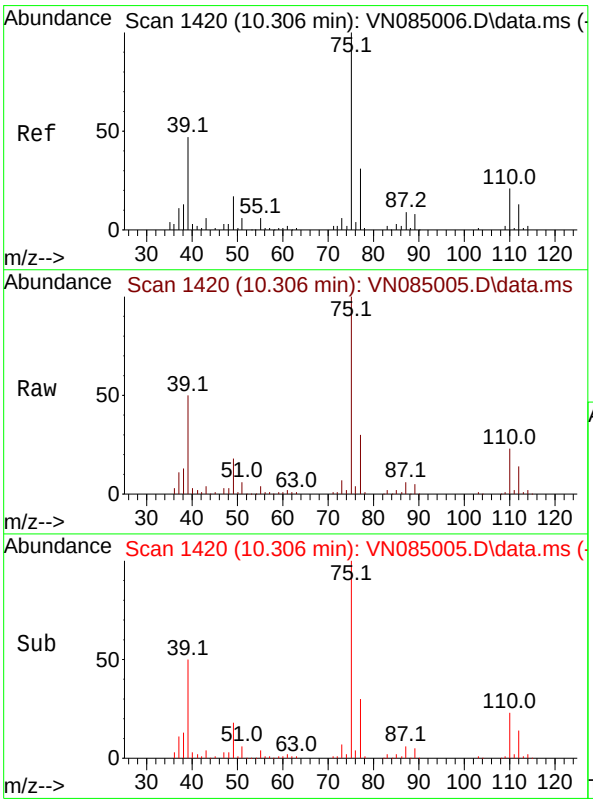
#53
t-1,3-Dichloropropene
Concen: 109.180 ug/l
RT: 10.830 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 321790

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.0	37.4

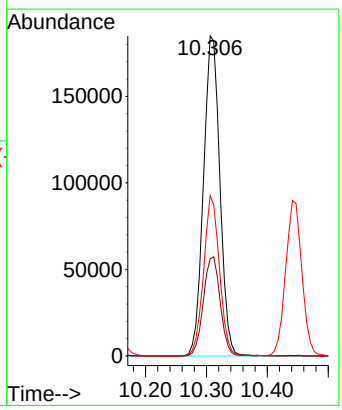


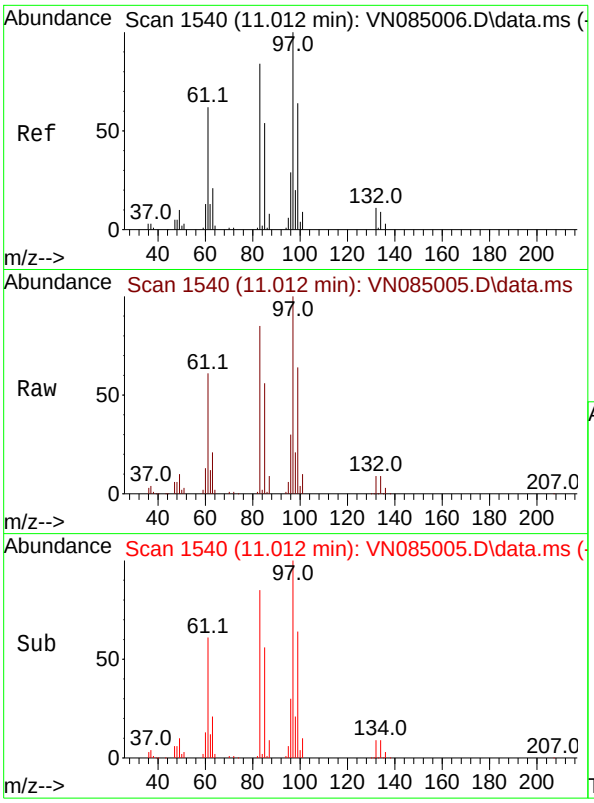


#54
cis-1,3-Dichloropropene
Concen: 110.678 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 346064

Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.0	37.4
39	50.1	37.6	56.4



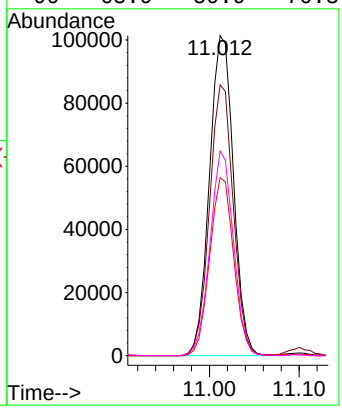


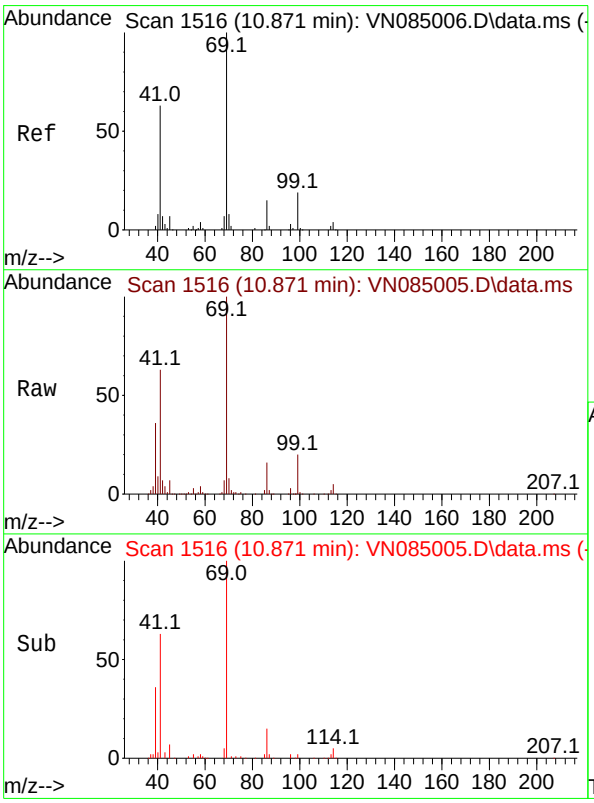
#55
1,1,2-Trichloroethane
Concen: 105.602 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 188724

Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.4	101.2
85	55.6	43.1	64.7
99	63.9	50.9	76.3

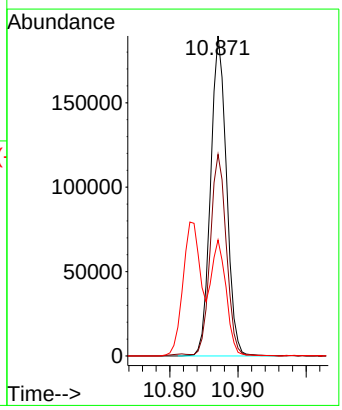


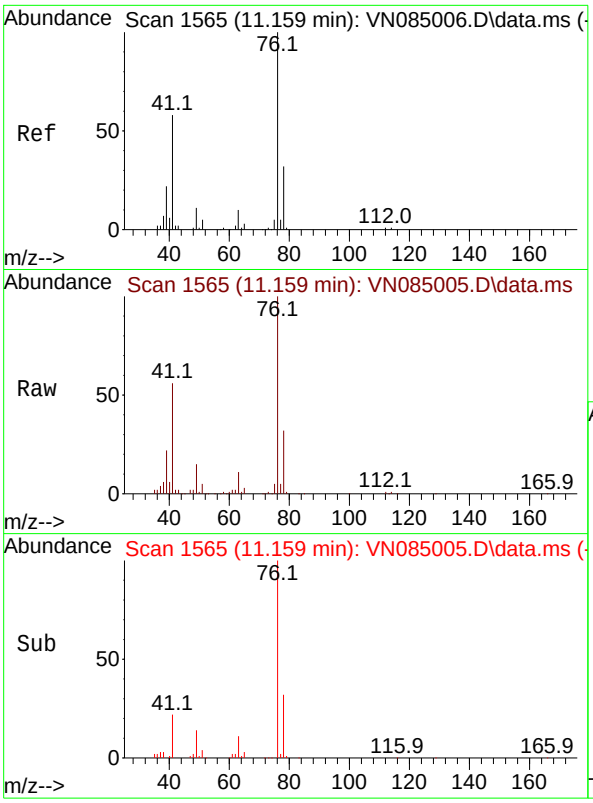


#56
Ethyl methacrylate
Concen: 117.883 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 69 Resp: 307844

Ion	Ratio	Lower	Upper
69	100		
41	63.9	50.0	75.0
39	34.3	27.0	40.6



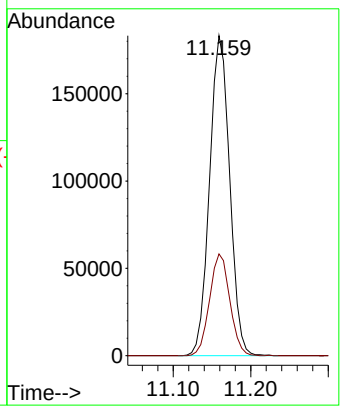


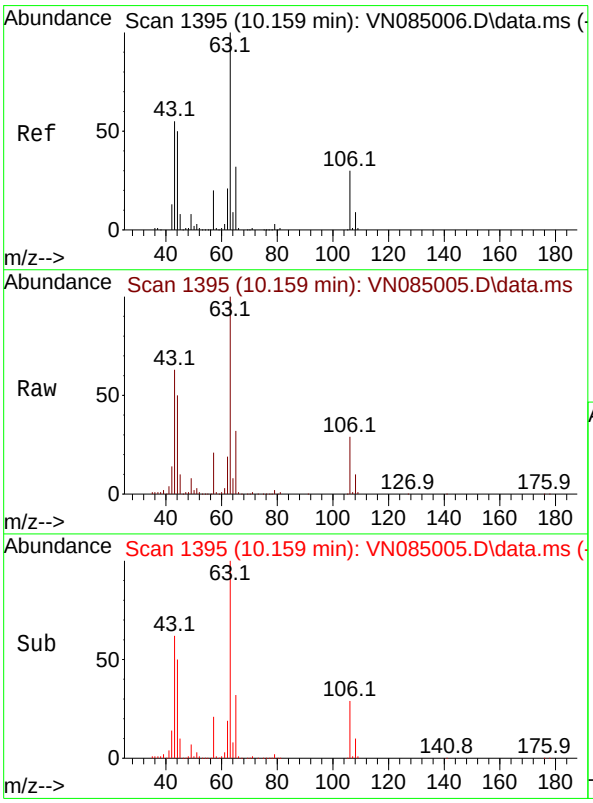
#57
1,3-Dichloropropane
Concen: 104.887 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 329902

Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.1	39.1

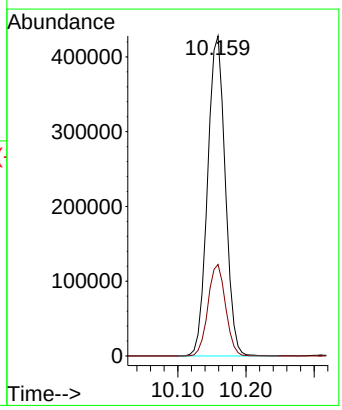


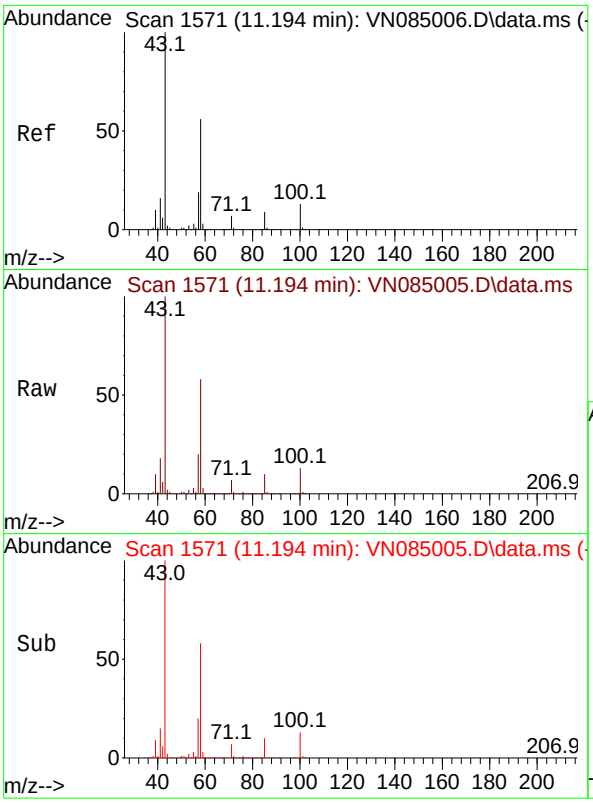


#58
2-Chloroethyl Vinyl ether
Concen: 602.530 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 63 Resp: 771827

Ion	Ratio	Lower	Upper
63	100		
106	28.4	23.0	34.6



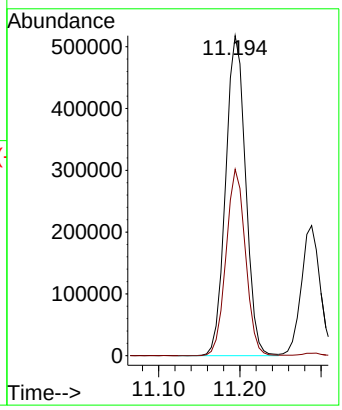


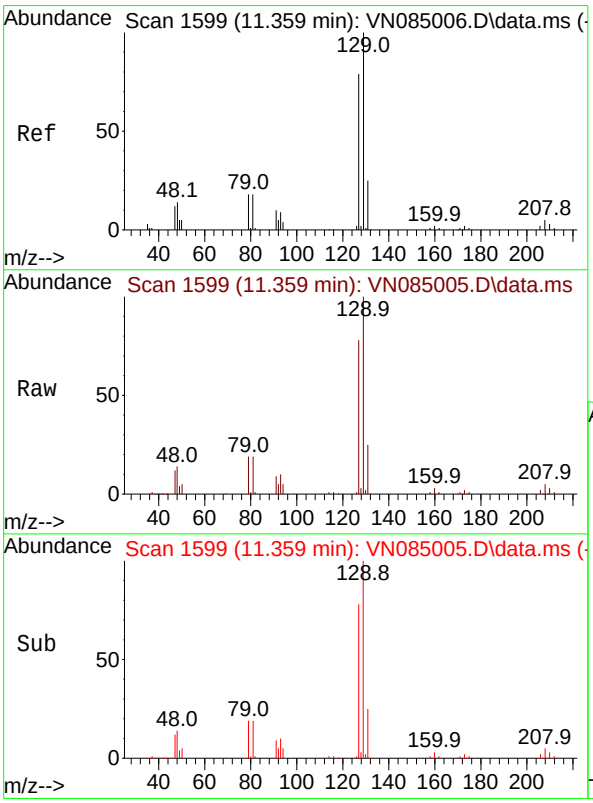
#59
2-Hexanone
Concen: 535.314 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 884879

Ion	Ratio	Lower	Upper
43	100		
58	56.7	28.3	85.0

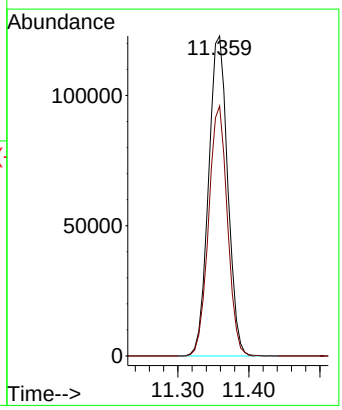


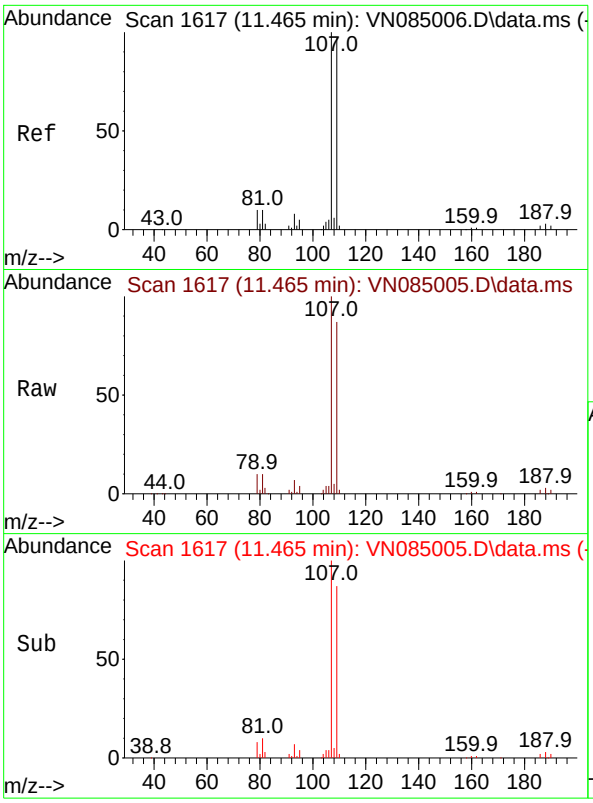


#60
Dibromochloromethane
Concen: 105.249 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:129 Resp: 229875

Ion	Ratio	Lower	Upper
129	100		
127	76.6	39.2	117.6



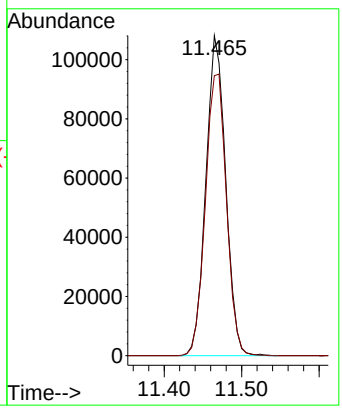


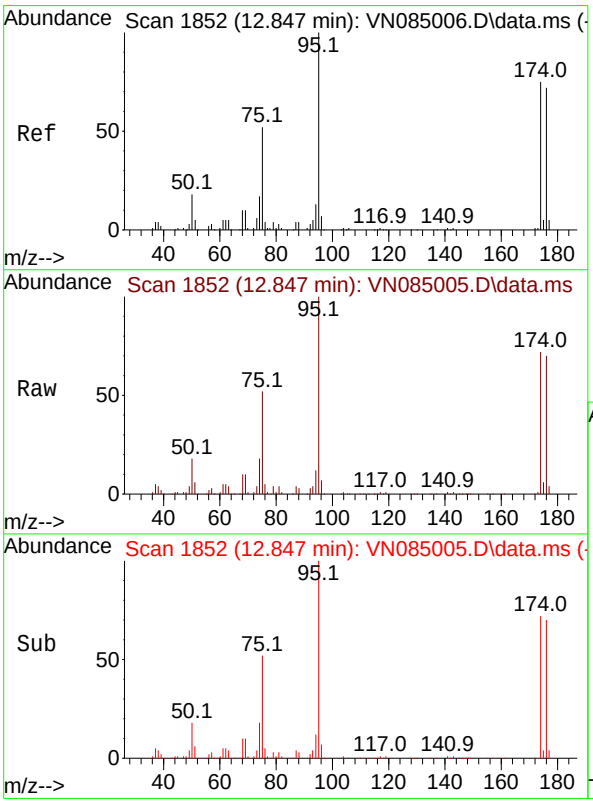
#61
1,2-Dibromoethane
Concen: 103.624 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 191654

Ion	Ratio	Lower	Upper
107	100		
109	93.6	76.1	114.1

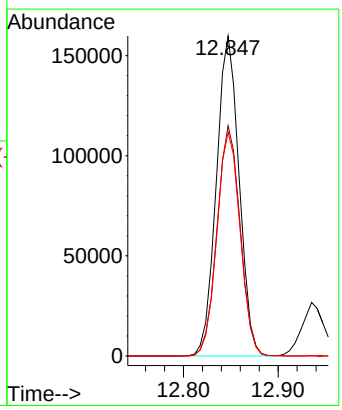


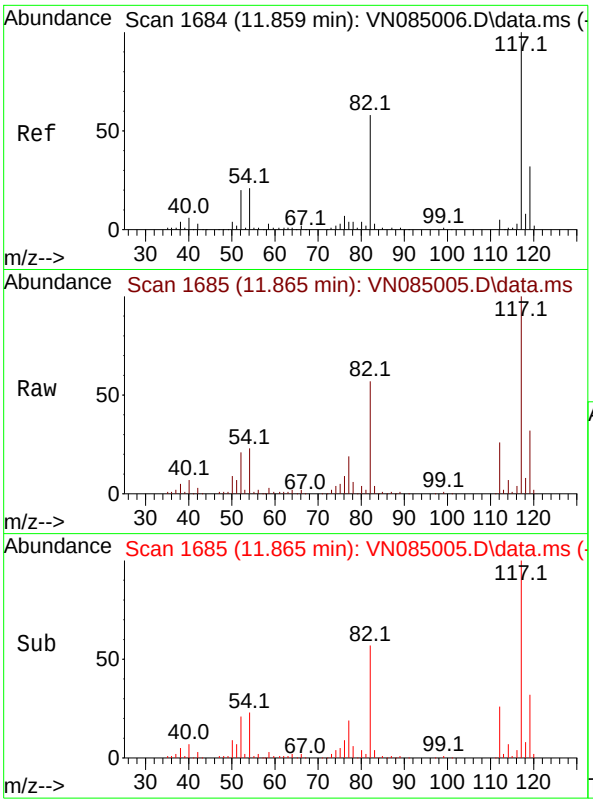


#62
4-Bromofluorobenzene
Concen: 105.236 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 95 Resp: 266822

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	146.6
176	71.2	0.0	141.8



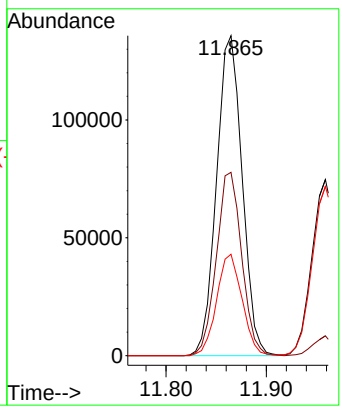


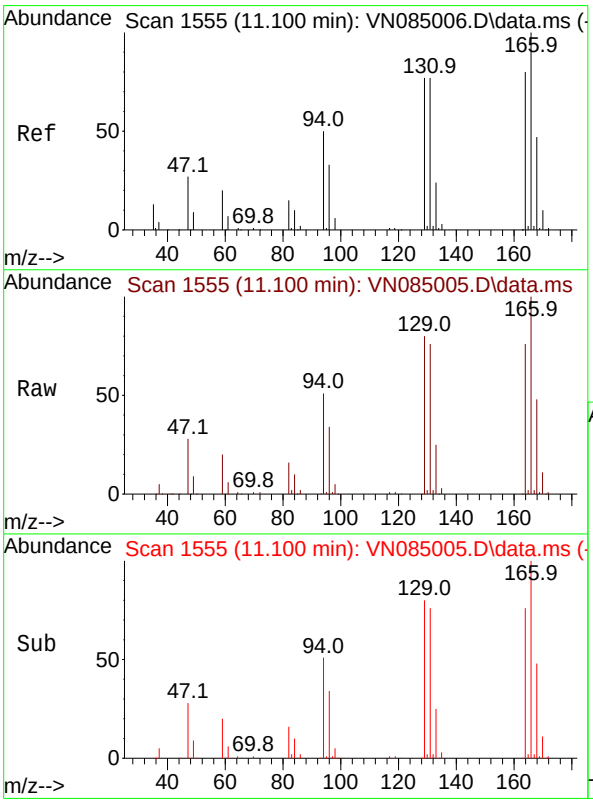
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 240979

Ion	Ratio	Lower	Upper
117	100		
82	57.3	46.0	69.0
119	31.7	25.6	38.4

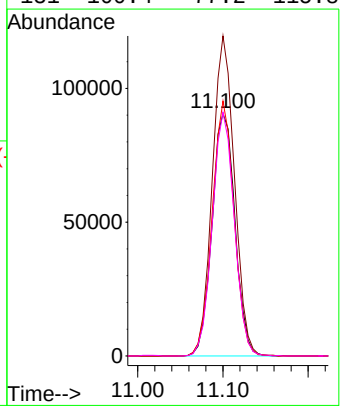


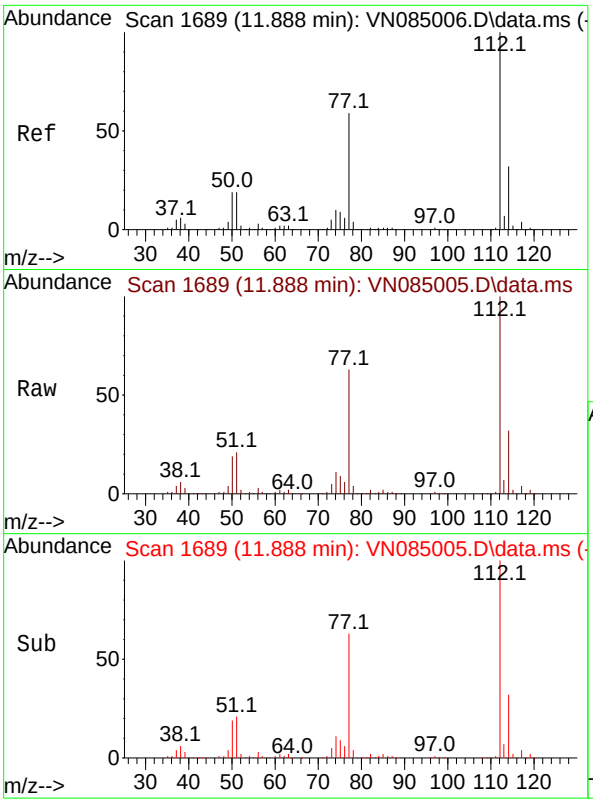


#64
Tetrachloroethene
Concen: 104.032 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:164 Resp: 168926

Ion	Ratio	Lower	Upper
164	100		
166	131.9	100.6	151.0
129	105.1	77.7	116.5
131	100.4	77.2	115.8



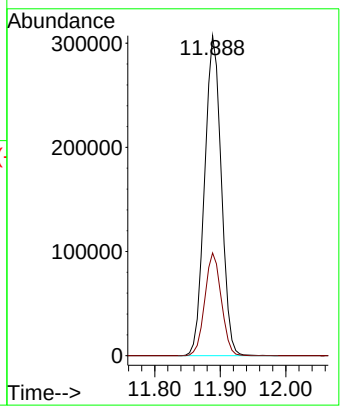


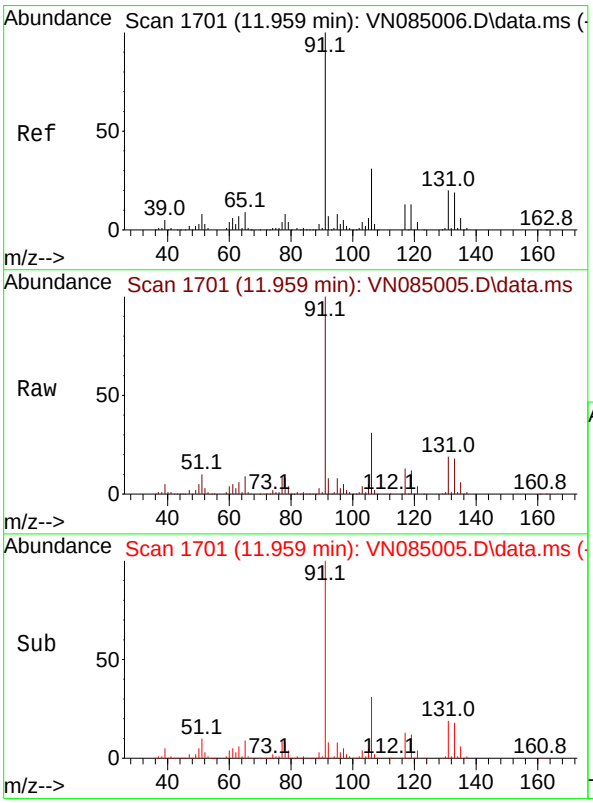
#65
Chlorobenzene
Concen: 99.452 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 543518

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.8	38.6

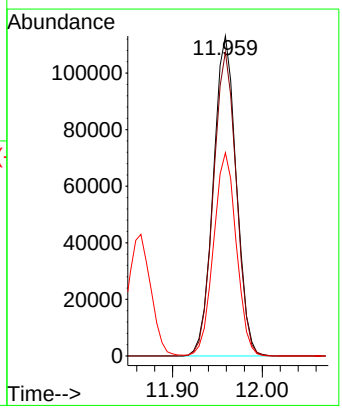


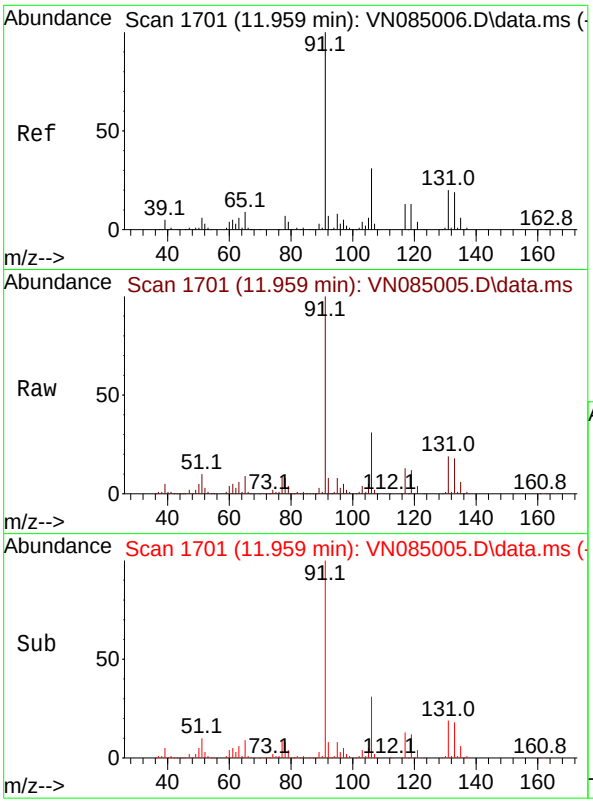


#66
1,1,1,2-Tetrachloroethane
Concen: 104.459 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:131 Resp: 201000

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.8	143.4
119	63.0	32.1	96.3



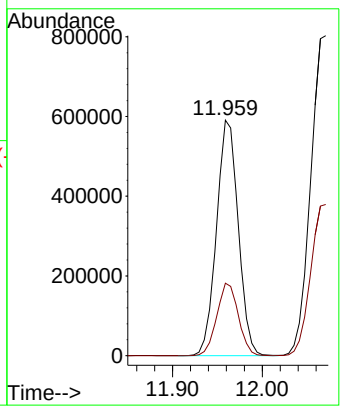


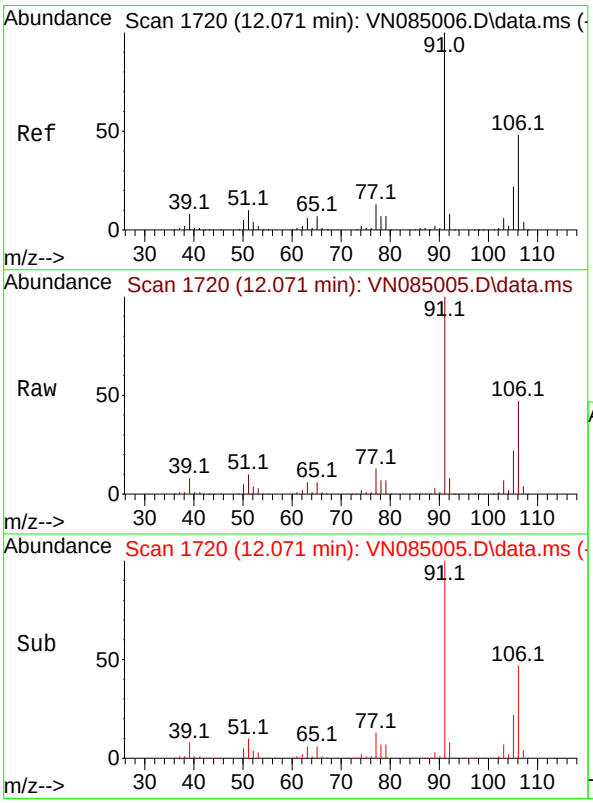
#67
Ethyl Benzene
Concen: 112.113 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 994049

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.7	37.1

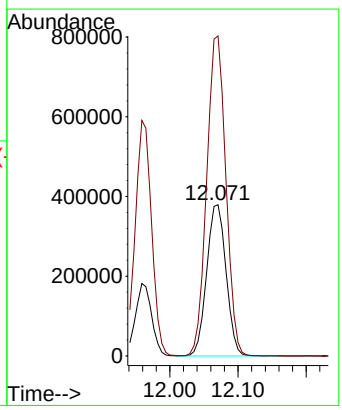


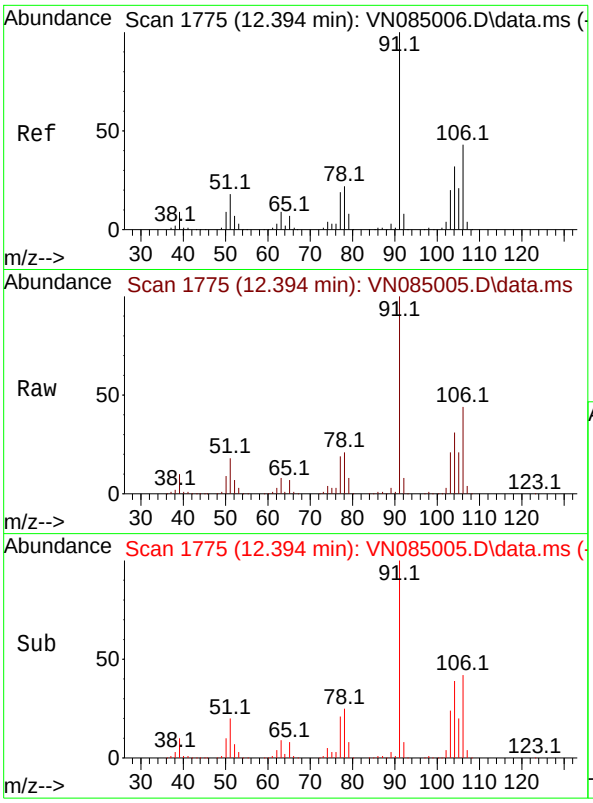


#68
m/p-Xylenes
Concen: 222.116 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:106 Resp: 749782

Ion	Ratio	Lower	Upper
106	100		
91	209.5	168.0	252.0



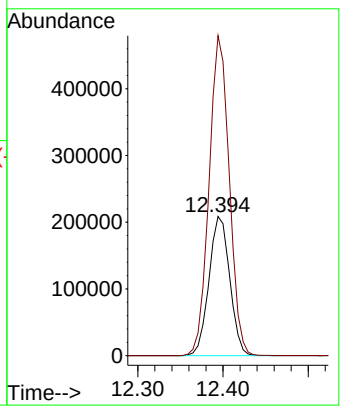


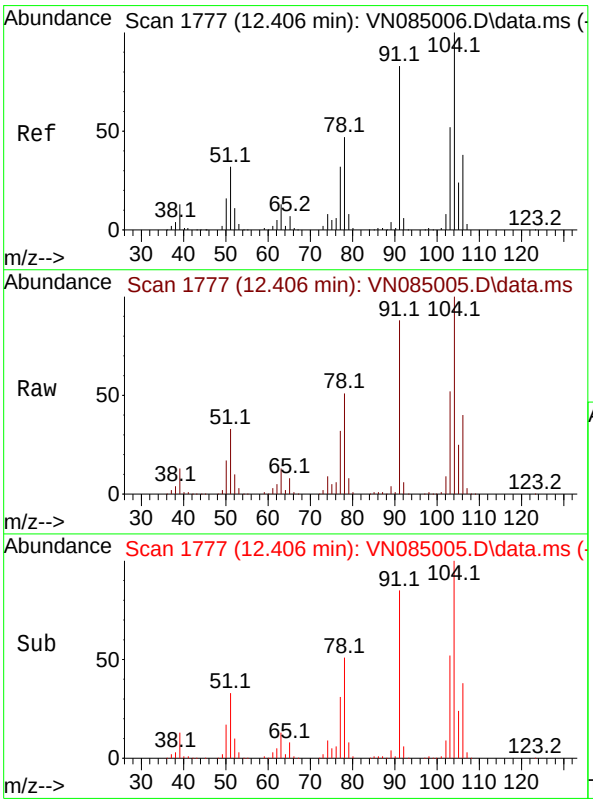
#69
o-Xylene
Concen: 110.070 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 353441

Ion	Ratio	Lower	Upper
106	100		
91	223.7	110.7	331.9

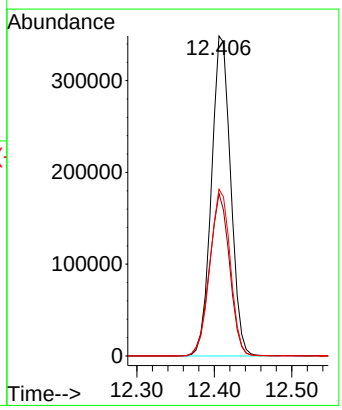


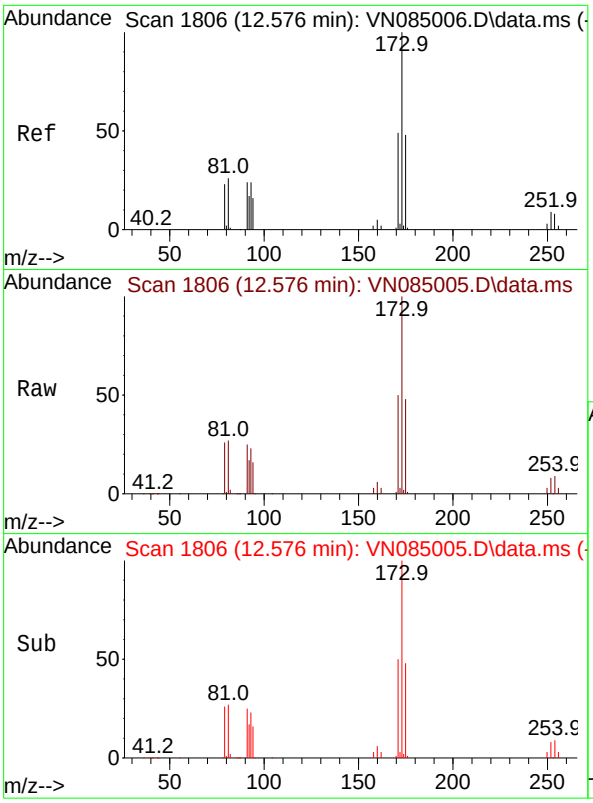


#70
Styrene
Concen: 112.600 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:104 Resp: 601271

Ion	Ratio	Lower	Upper
104	100		
78	53.0	42.3	63.5
103	55.2	44.2	66.2



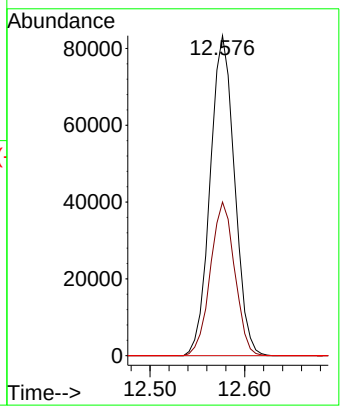


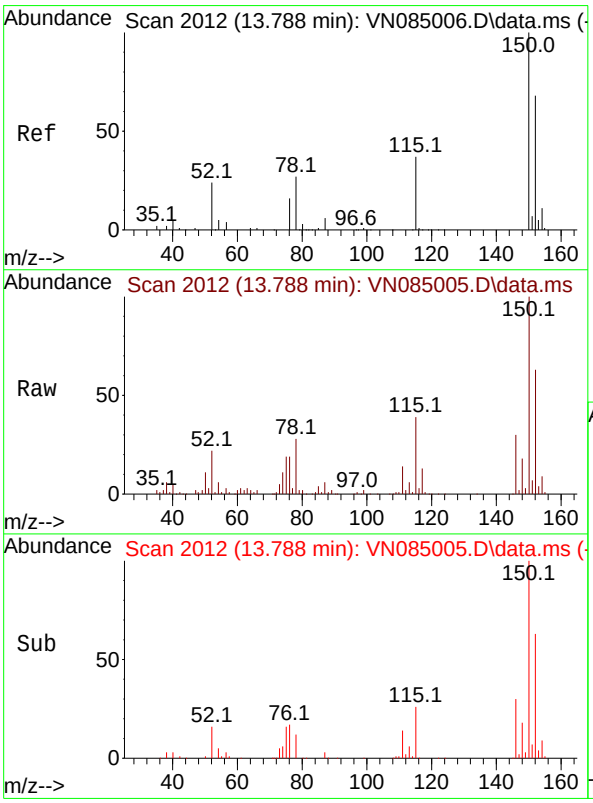
#71
Bromoform
Concen: 104.234 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 148879

Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.8	71.2
254	0.0	0.0	0.0

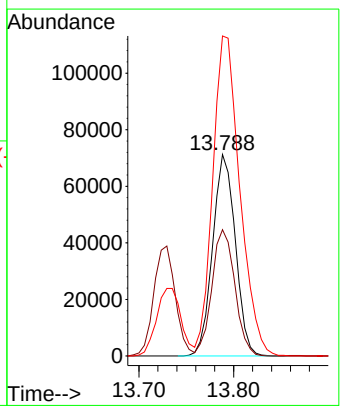


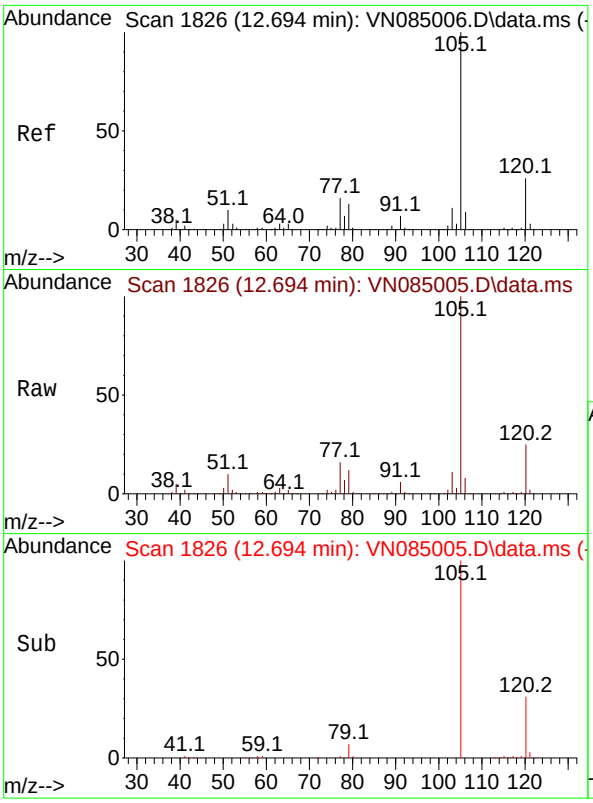


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:152 Resp: 118591

Ion	Ratio	Lower	Upper
152	100		
115	63.4	31.7	95.1
150	189.7	0.0	351.4



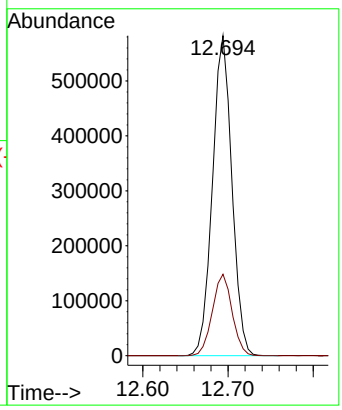


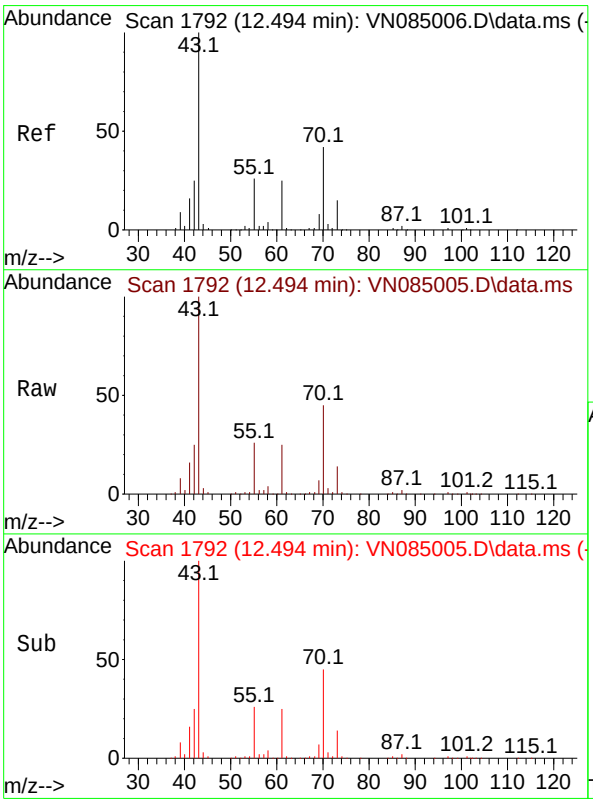
#73
Isopropylbenzene
Concen: 110.216 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 922085

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.0	39.0

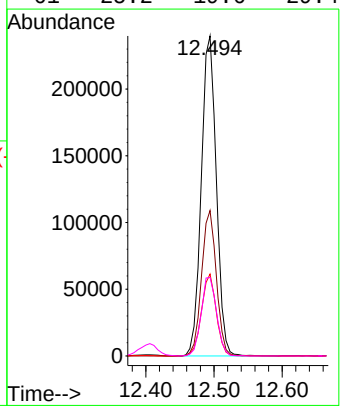


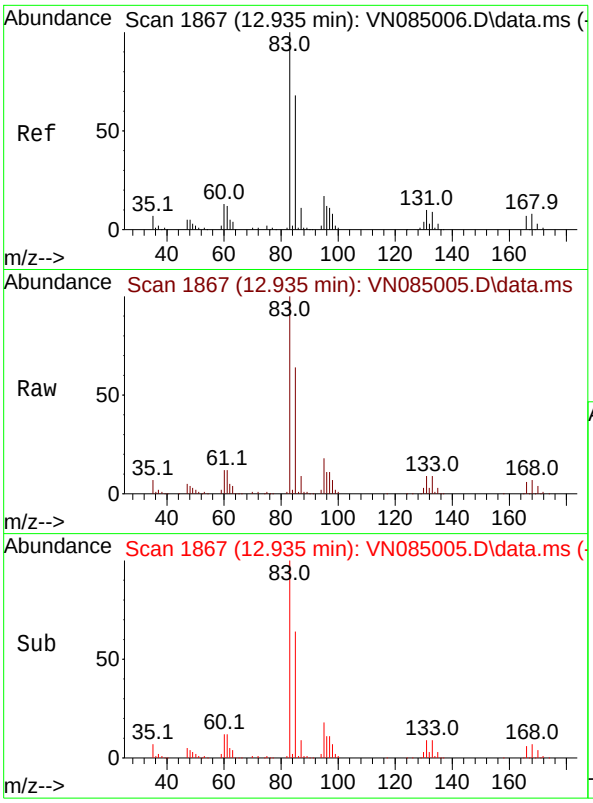


#74
N-amyl acetate
Concen: 106.820 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 368260

Ion	Ratio	Lower	Upper
43	100		
70	44.7	34.6	51.8
55	25.2	20.5	30.7
61	25.2	19.6	29.4



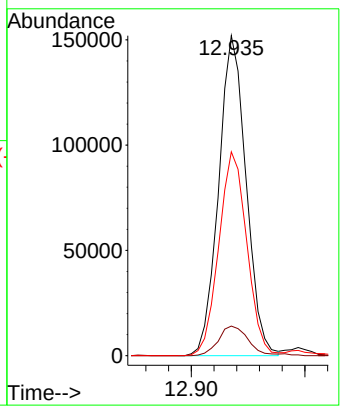


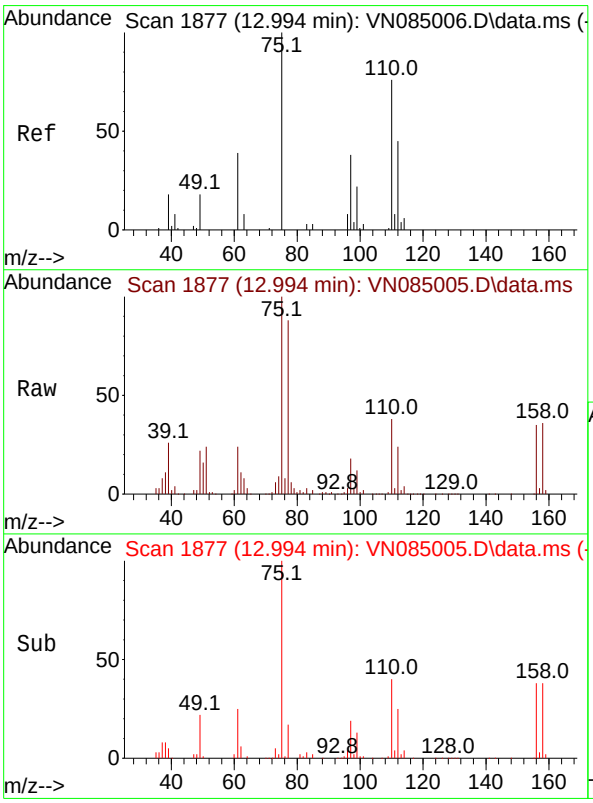
#75
1,1,2,2-Tetrachloroethane
Concen: 89.359 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 255286

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.1	15.4
85	64.9	32.1	96.3

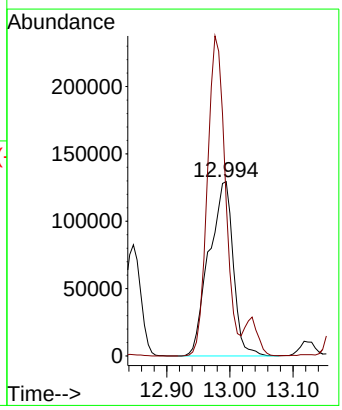


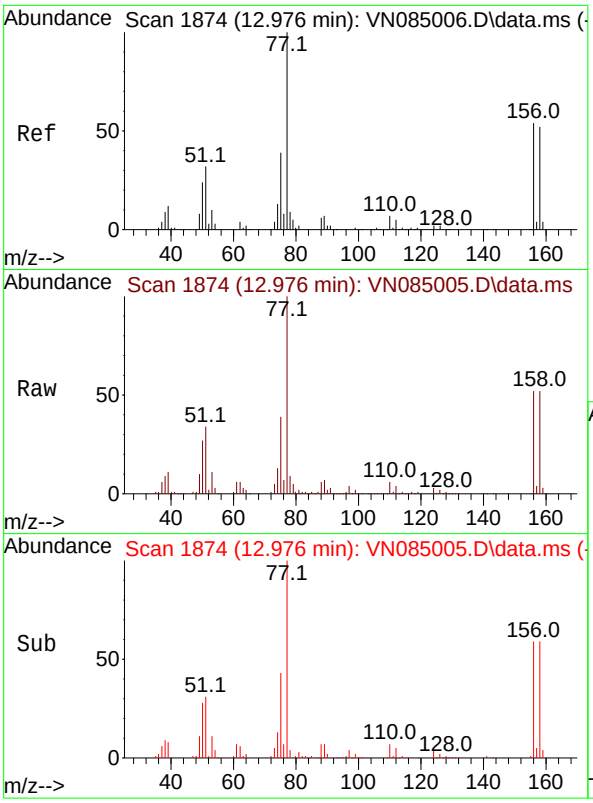


#76
1,2,3-Trichloropropane
Concen: 155.169 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 344237

Ion	Ratio	Lower	Upper
75	100		
77	137.2	109.1	327.4



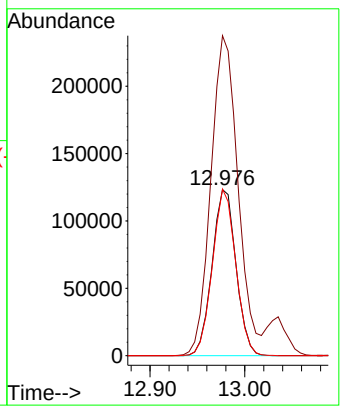


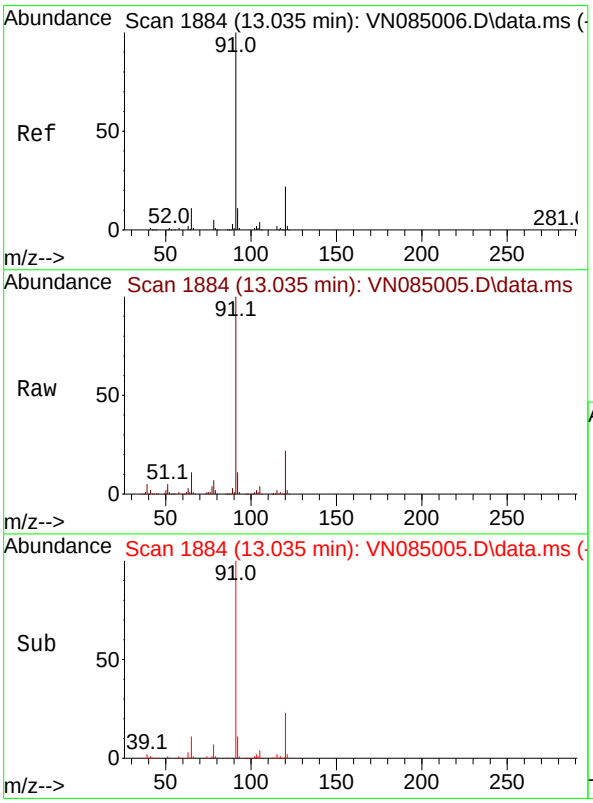
#77
Bromobenzene
Concen: 95.881 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 215866

Ion	Ratio	Lower	Upper
156	100		
77	218.8	107.2	321.6
158	98.1	48.5	145.6

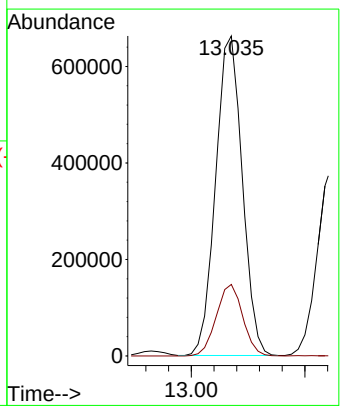


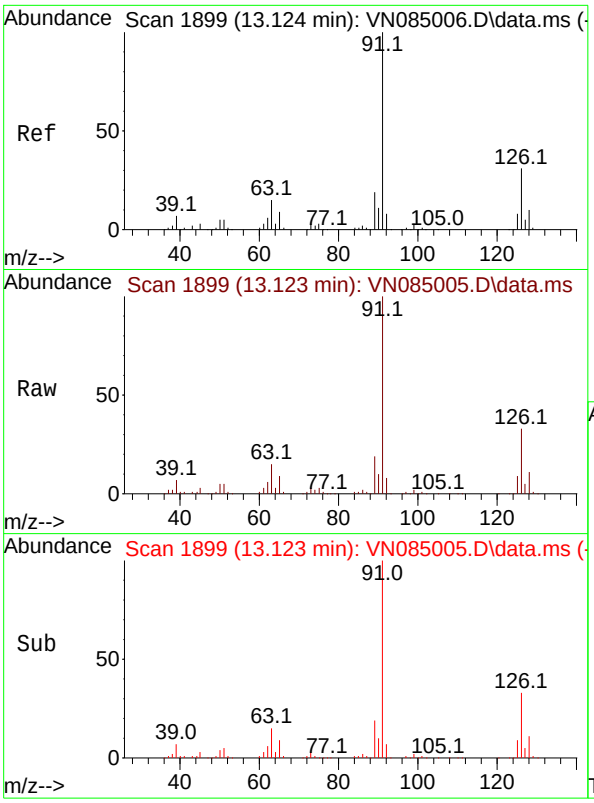


#78
n-propylbenzene
Concen: 111.753 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 91 Resp: 1078373

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.3	33.9



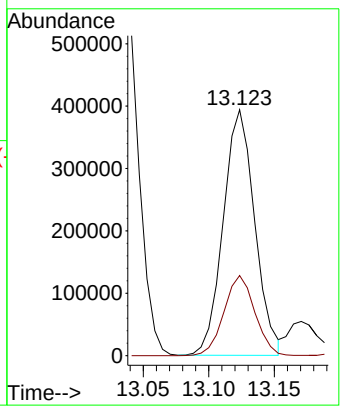


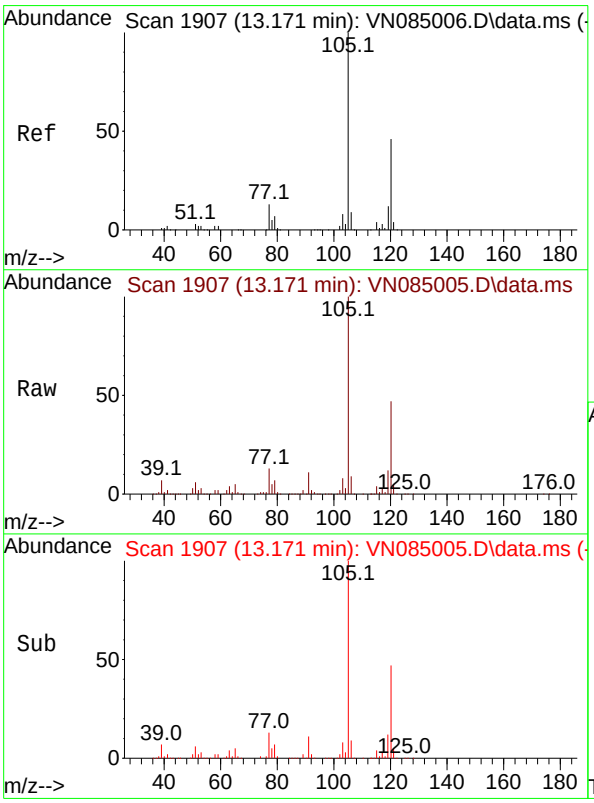
#79
2-Chlorotoluene
Concen: 102.230 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 658525

Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.1	48.3

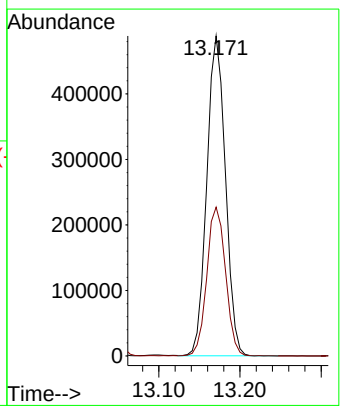


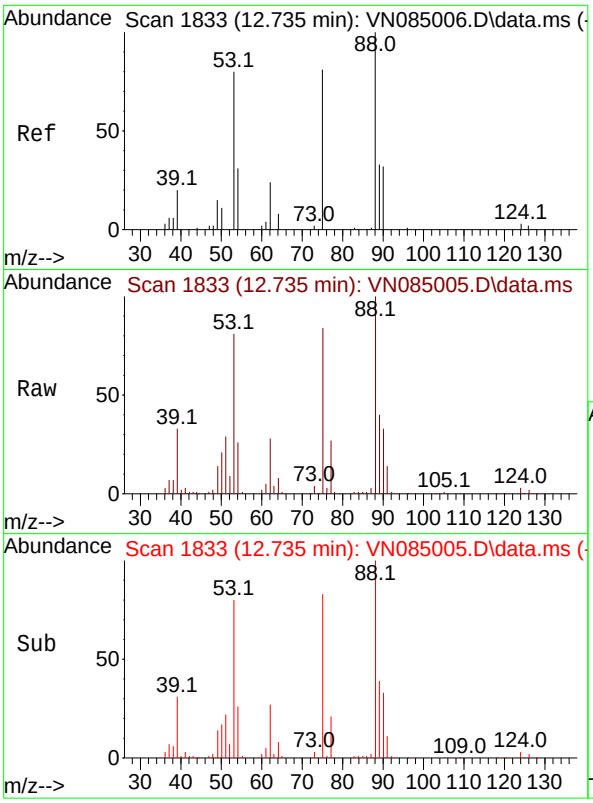


#80
1,3,5-Trimethylbenzene
Concen: 110.573 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:105 Resp: 776252

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.6	71.0



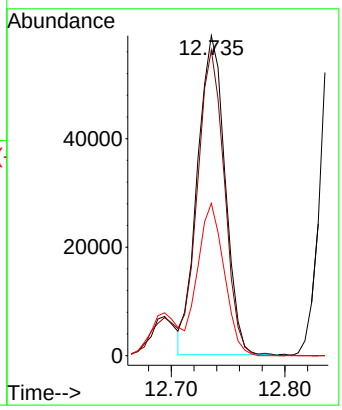


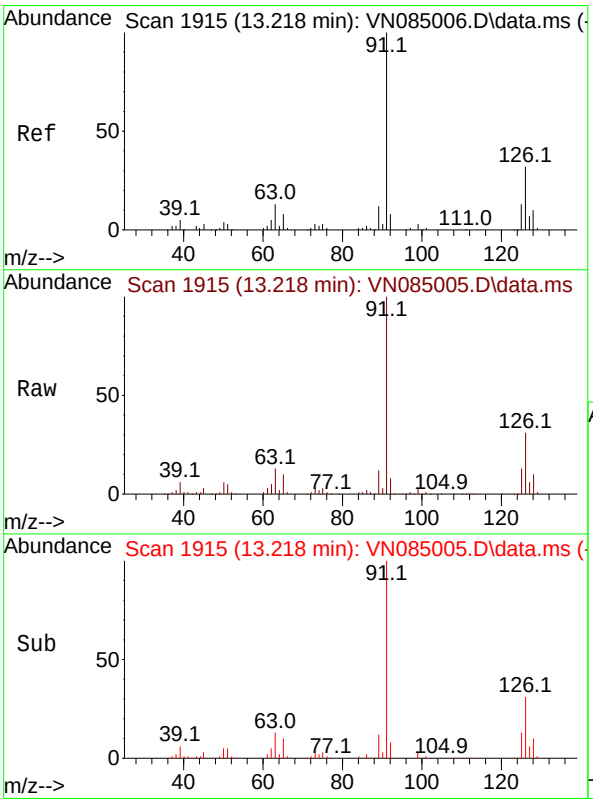
#81
trans-1,4-Dichloro-2-butene
Concen: 104.513 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 99218

Ion	Ratio	Lower	Upper
75	100		
53	93.8	78.2	117.4
89	45.5	37.9	56.9

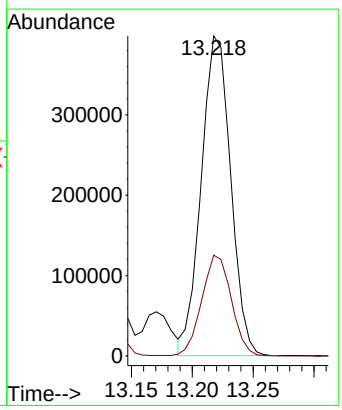


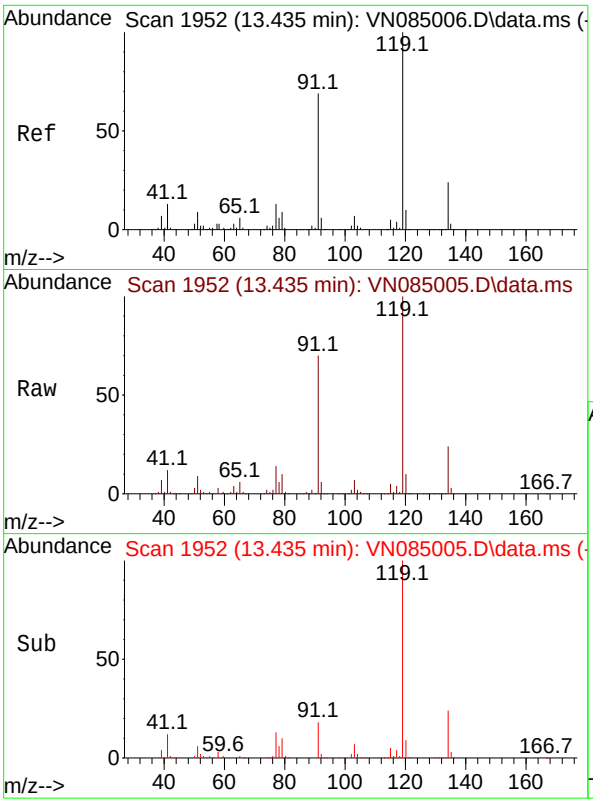


#82
4-Chlorotoluene
Concen: 99.811 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 91 Resp: 669311

Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.1	48.3



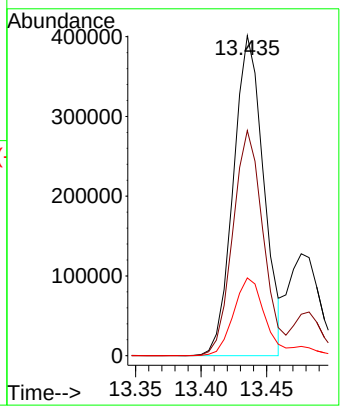


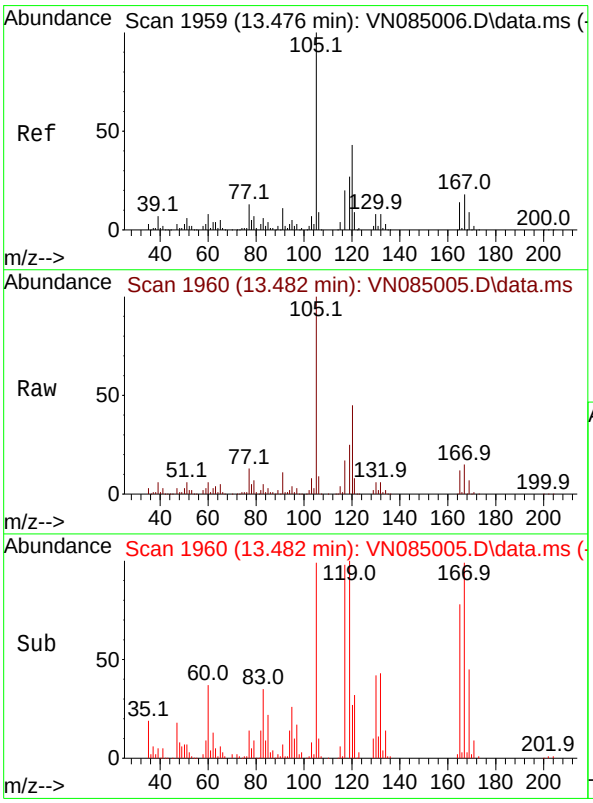
#83
tert-Butylbenzene
Concen: 107.009 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 646369

Ion	Ratio	Lower	Upper
119	100		
91	70.8	35.1	105.5
134	27.1	12.1	36.3

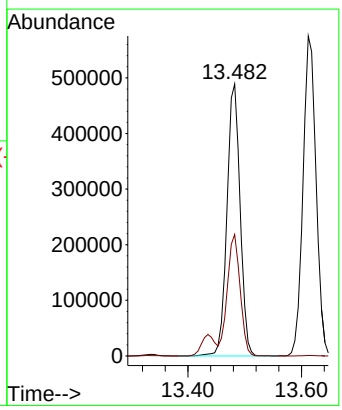


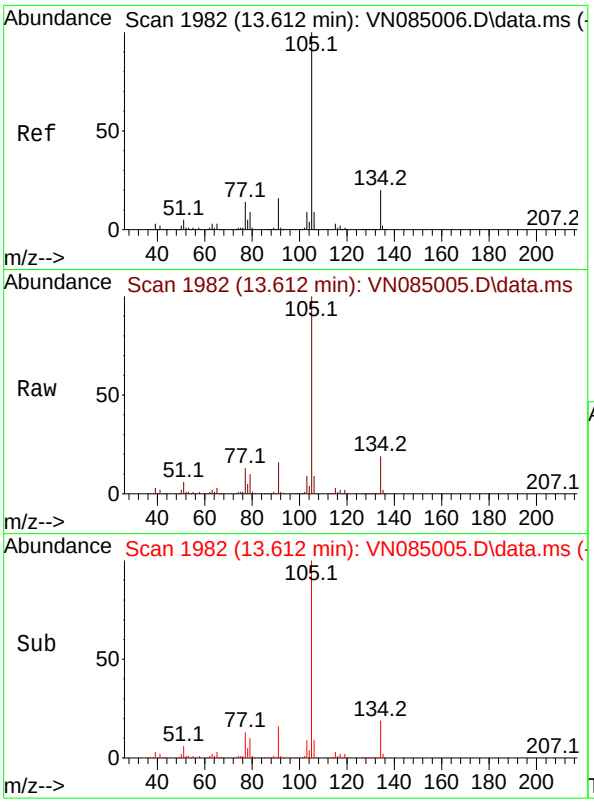


#84
1,2,4-Trimethylbenzene
Concen: 109.040 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:105 Resp: 787962

Ion	Ratio	Lower	Upper
105	100		
120	43.7	21.8	65.4



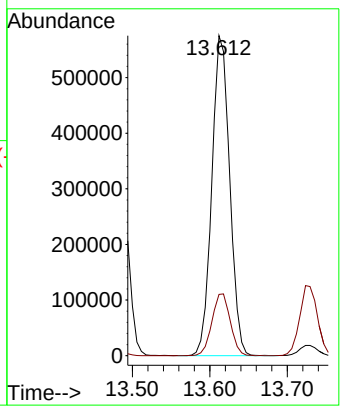


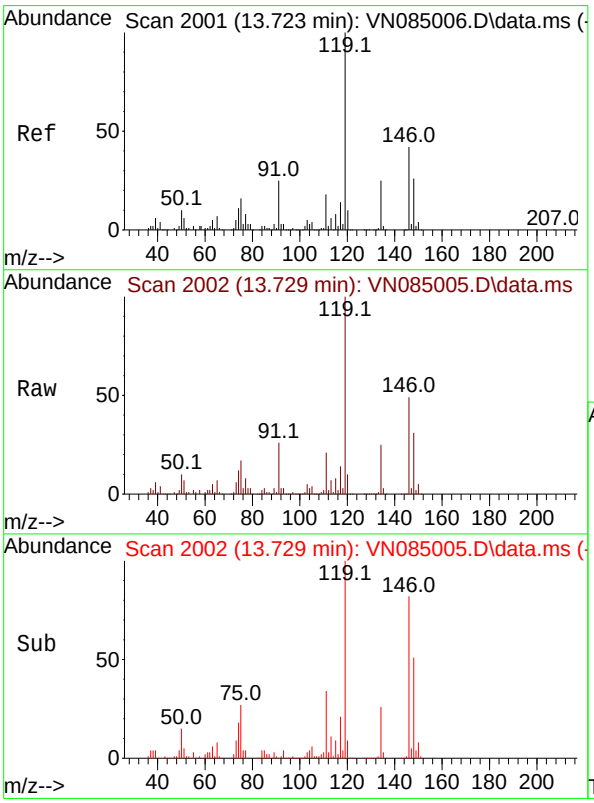
#85
sec-Butylbenzene
Concen: 112.777 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 920223

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.3

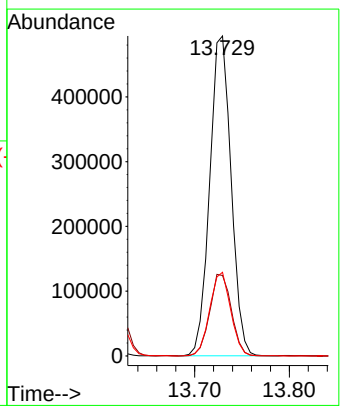


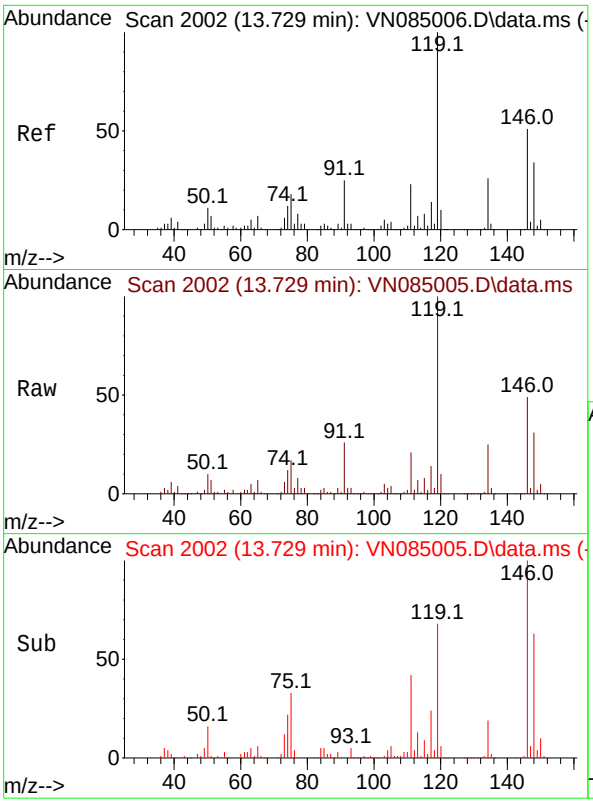


#86
p-Isopropyltoluene
Concen: 115.104 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:119 Resp: 775322

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	39.0
91	25.6	12.8	38.4



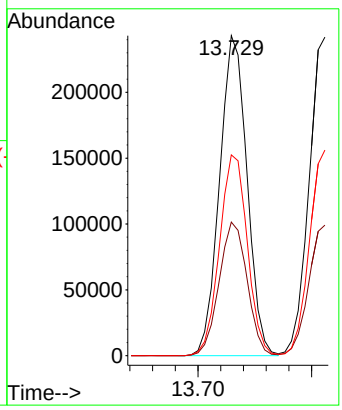


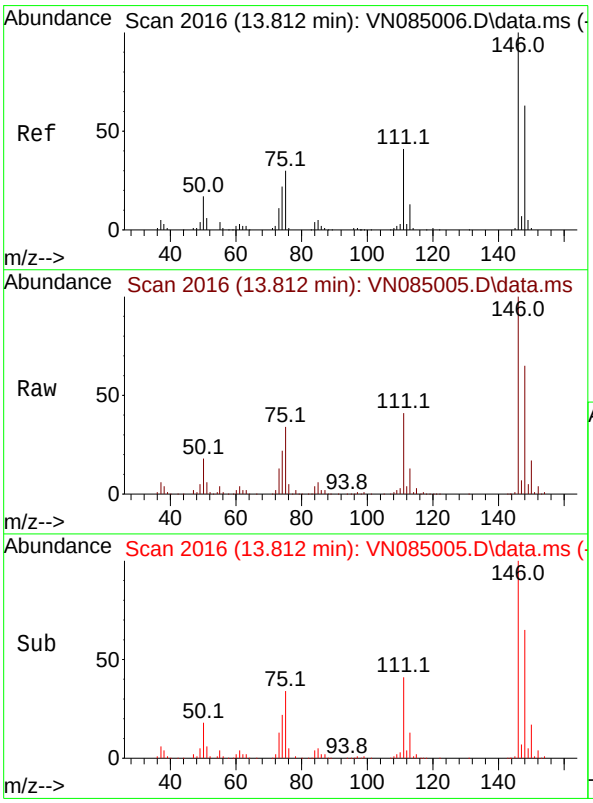
#87
1,3-Dichlorobenzene
Concen: 91.842 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 407844

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.6	65.0
148	63.7	32.2	96.6

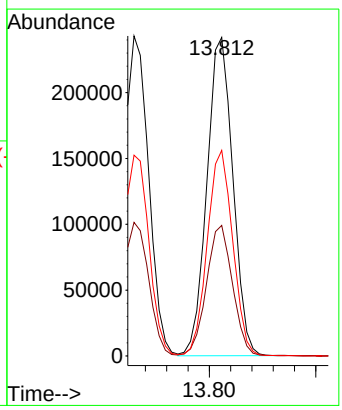


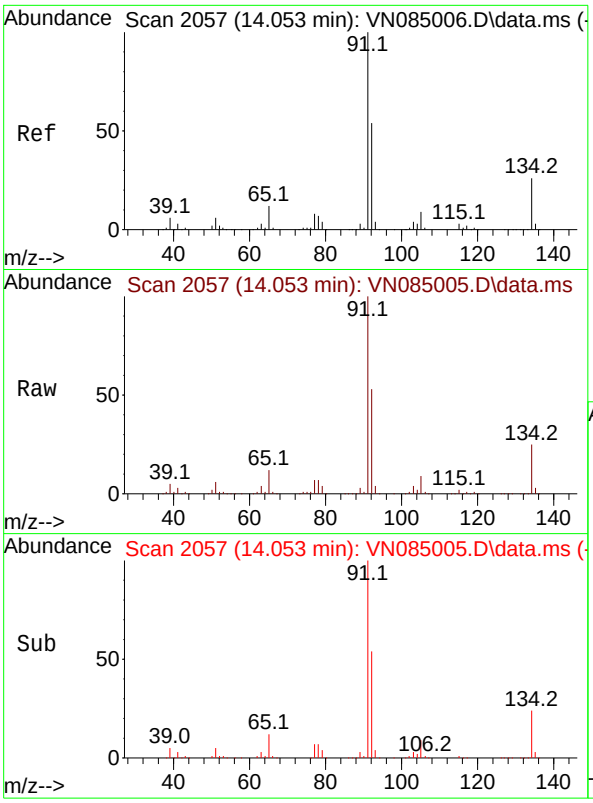


#88
1,4-Dichlorobenzene
Concen: 90.361 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:146 Resp: 409489

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.9	62.8
148	63.6	31.3	93.9



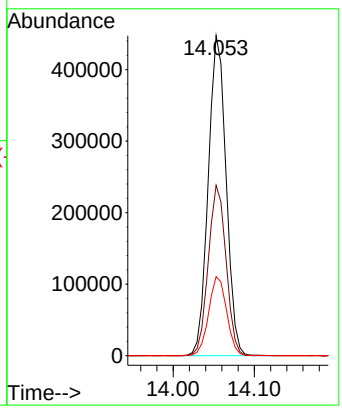


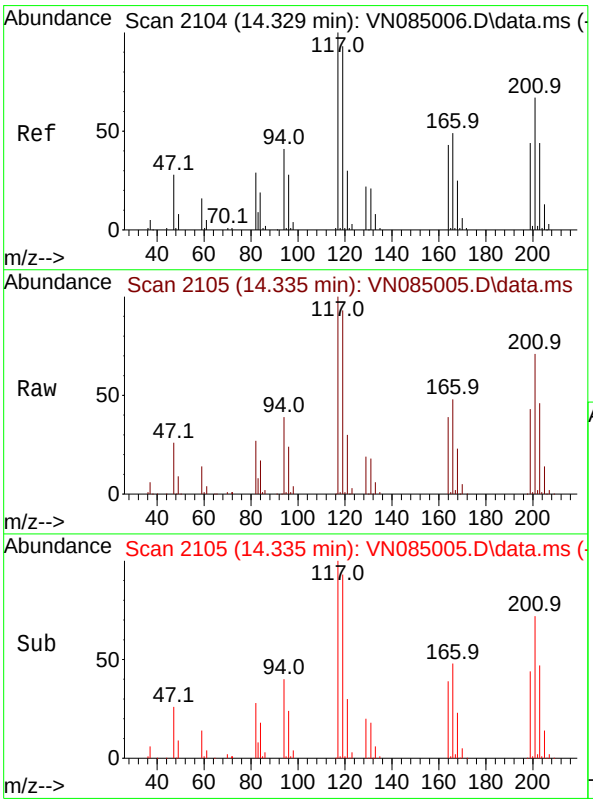
#89
n-Butylbenzene
Concen: 109.120 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 683538

Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.8	80.3
134	24.9	12.8	38.4

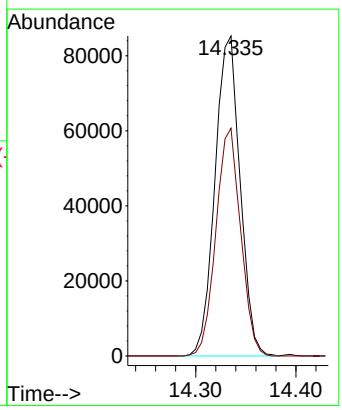


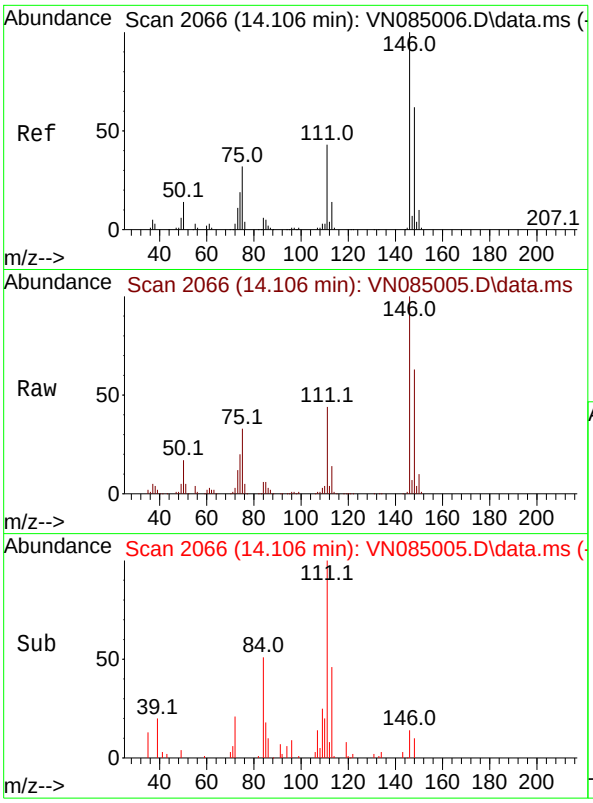


#90
Hexachloroethane
Concen: 100.783 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:117 Resp: 147973

Ion	Ratio	Lower	Upper
117	100		
201	70.1	35.2	105.6



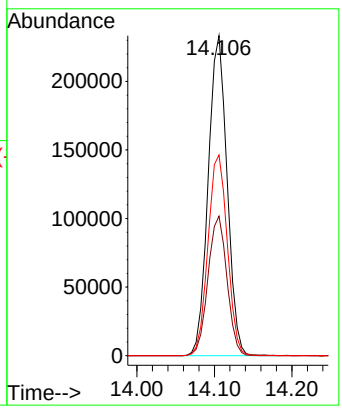


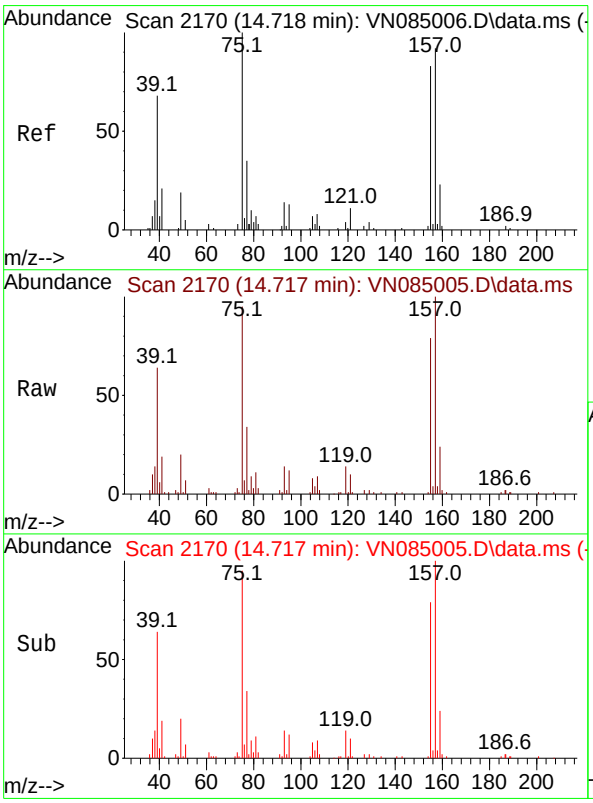
#91
1,2-Dichlorobenzene
Concen: 92.796 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 394872

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.9	65.8
148	64.3	31.1	93.2

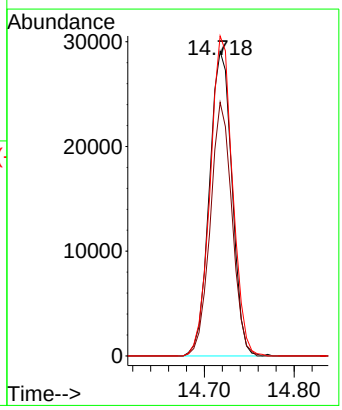


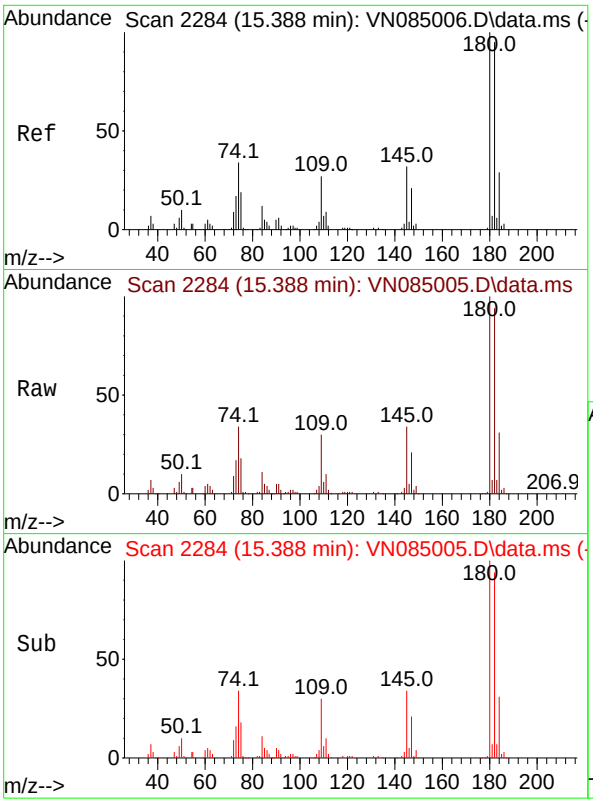


#92
1,2-Dibromo-3-Chloropropane
Concen: 92.071 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 50863

Ion	Ratio	Lower	Upper
75	100		
155	79.9	38.9	116.7
157	104.3	48.3	144.9



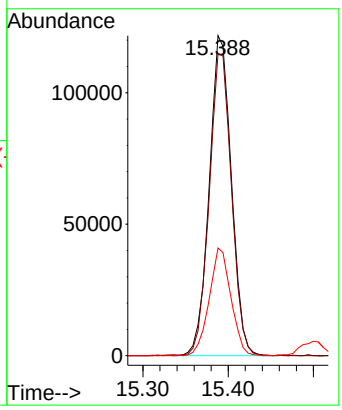


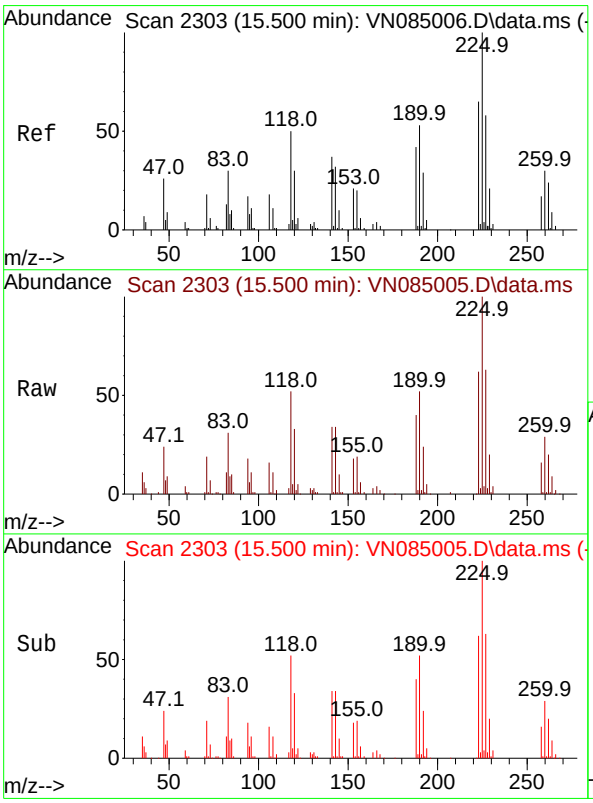
#93
1,2,4-Trichlorobenzene
Concen: 95.107 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 219866

Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.9	140.8
145	33.0	16.3	48.8

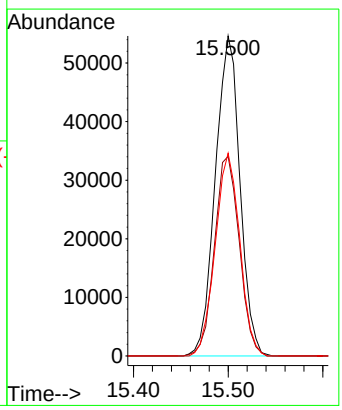


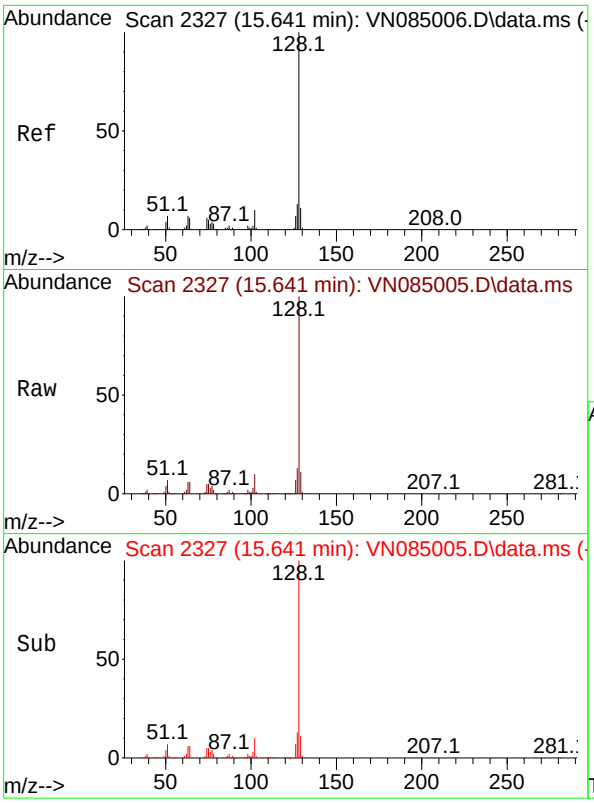


#94
Hexachlorobutadiene
Concen: 92.405 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:225 Resp: 98588

Ion	Ratio	Lower	Upper
225	100		
223	63.1	30.9	92.8
227	63.2	31.5	94.5



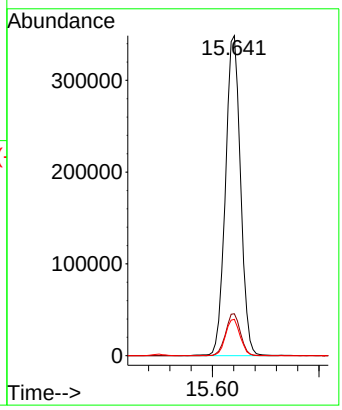


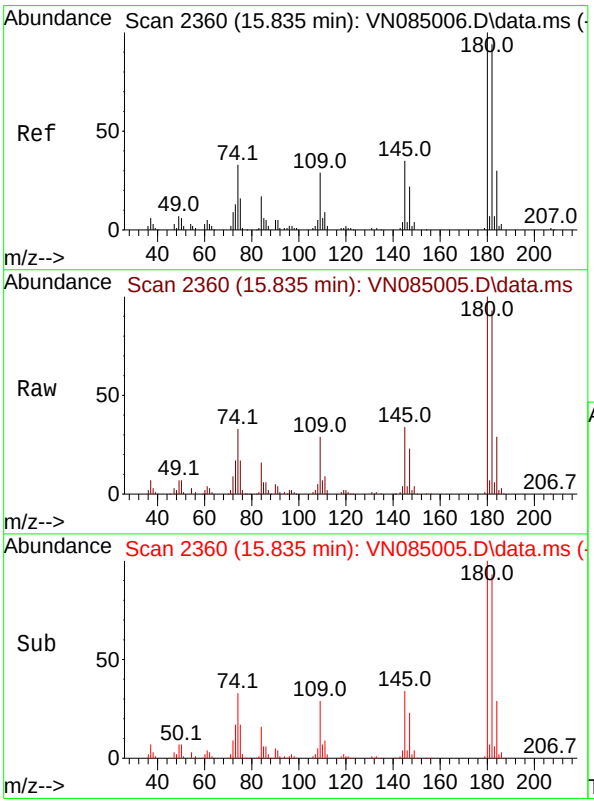
#95
Naphthalene
Concen: 104.183 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 685964

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	11.1	8.6	12.8

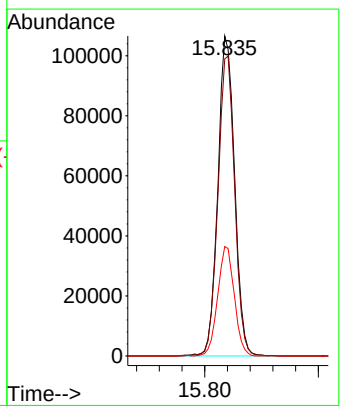




#96
1,2,3-Trichlorobenzene
Concen: 99.092 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:180 Resp: 218578

Ion	Ratio	Lower	Upper
180	100		
182	93.8	46.4	139.2
145	33.9	17.3	52.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085006.D
Acq On : 22 Nov 2024 11:46
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Nov 23 01:58:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	163353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	271467	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	232158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	115244	49.528	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.060%			
35) Dibromofluoromethane	8.159	113	92297	50.417	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.840%			
50) Toluene-d8	10.565	98	338938	51.662	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.320%			
62) 4-Bromofluorobenzene	12.847	95	126840	51.698	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	91455	49.512	ug/l	100
3) Chloromethane	2.360	50	96463	45.027	ug/l	100
4) Vinyl Chloride	2.512	62	93960	48.804	ug/l	100
5) Bromomethane	2.901	94	50828	47.102	ug/l	100
6) Chloroethane	3.065	64	61844	47.657	ug/l	100
7) Trichlorofluoromethane	3.459	101	157642	48.134	ug/l	100
8) Diethyl Ether	3.948	74	57011	51.145	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.353	101	90080	48.495	ug/l	100
10) Methyl Iodide	4.571	142	122086	49.653	ug/l	100
11) Tert butyl alcohol	5.542	59	73708	237.049	ug/l	100
12) 1,1-Dichloroethene	4.318	96	85520	49.324	ug/l	100
13) Acrolein	4.165	56	57099	275.201	ug/l	100
14) Allyl chloride	5.006	41	144773	49.531	ug/l	100
15) Acrylonitrile	5.712	53	214719	243.910	ug/l	100
16) Acetone	4.424	43	165611	244.384	ug/l	100
17) Carbon Disulfide	4.695	76	240507	46.996	ug/l	100
18) Methyl Acetate	5.018	43	107105	49.436	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	288810	50.982	ug/l	100
20) Methylene Chloride	5.265	84	96084	46.464	ug/l	100
21) trans-1,2-Dichloroethene	5.771	96	91214	49.992	ug/l	100
22) Diisopropyl ether	6.665	45	290883	49.447	ug/l	100
23) Vinyl Acetate	6.595	43	1058594	260.842	ug/l	100
24) 1,1-Dichloroethane	6.553	63	171385	48.684	ug/l	100
25) 2-Butanone	7.483	43	270539	244.184	ug/l	100
26) 2,2-Dichloropropane	7.483	77	162280	49.367	ug/l	100
27) cis-1,2-Dichloroethene	7.477	96	107332	48.796	ug/l	100
28) Bromochloromethane	7.806	49	64580	48.597	ug/l	100
29) Tetrahydrofuran	7.836	42	175063	254.088	ug/l	100
30) Chloroform	7.959	83	179452	47.921	ug/l	100
31) Cyclohexane	8.253	56	144139	46.504	ug/l	100
32) 1,1,1-Trichloroethane	8.159	97	165474	48.900	ug/l	100
36) 1,1-Dichloropropene	8.365	75	123540	49.822	ug/l	100
37) Ethyl Acetate	7.553	43	109296	48.484	ug/l	100
38) Carbon Tetrachloride	8.353	117	144897	50.624	ug/l	100
39) Methylcyclohexane	9.594	83	137583	53.395	ug/l	100
40) Benzene	8.600	78	386616	49.297	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085006.D
Acq On : 22 Nov 2024 11:46
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Nov 23 01:58:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	62534	50.102	ug/l		100
42) 1,2-Dichloroethane	8.665	62	130440	48.616	ug/l		100
43) Isopropyl Acetate	8.683	43	204483	43.670	ug/l		100
44) Trichloroethene	9.347	130	88746	48.692	ug/l		100
45) 1,2-Dichloropropane	9.618	63	94677	49.013	ug/l		100
46) Dibromomethane	9.706	93	66370	49.447	ug/l		100
47) Bromodichloromethane	9.883	83	141808	49.849	ug/l		100
48) Methyl methacrylate	9.677	41	89202	51.193	ug/l		100
49) 1,4-Dioxane	9.694	88	31557	1044.331	ug/l		100
51) 4-Methyl-2-Pentanone	10.441	43	551484	257.854	ug/l		100
52) Toluene	10.624	92	240730	51.850	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	148995	52.241	ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	156342	51.671	ug/l		100
55) 1,1,2-Trichloroethane	11.012	97	87334	50.501	ug/l		100
56) Ethyl methacrylate	10.871	69	140546	55.617	ug/l		100
57) 1,3-Dichloropropane	11.159	76	151573	49.800	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	368190	297.030	ug/l		100
59) 2-Hexanone	11.194	43	424152	265.165	ug/l		100
60) Dibromochloromethane	11.359	129	104699	49.538	ug/l		100
61) 1,2-Dibromoethane	11.465	107	89471	49.991	ug/l		100
64) Tetrachloroethene	11.100	164	76257	48.747	ug/l		100
65) Chlorobenzene	11.888	112	252937	48.041	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	92289	49.785	ug/l		100
67) Ethyl Benzene	11.959	91	451491	52.856	ug/l		100
68) m/p-Xylenes	12.071	106	342033	105.174	ug/l		100
69) o-Xylene	12.394	106	164137	53.059	ug/l		100
70) Styrene	12.406	104	277349	53.912	ug/l		100
71) Bromoform	12.576	173	71858	52.221	ug/l	#	100
73) Isopropylbenzene	12.694	105	415716	51.479	ug/l		100
74) N-amyl acetate	12.494	43	177685	53.396	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	126215	45.771	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	168352	78.620	ug/l		47
77) Bromobenzene	12.976	156	105184	48.402	ug/l		100
78) n-propylbenzene	13.035	91	484892	52.059	ug/l		100
79) 2-Chlorotoluene	13.124	91	305747	49.174	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	360125	53.145	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	46724	50.990	ug/l		100
82) 4-Chlorotoluene	13.218	91	317569	49.063	ug/l		100
83) tert-Butylbenzene	13.435	119	301180	51.657	ug/l		100
84) 1,2,4-Trimethylbenzene	13.476	105	371046	53.195	ug/l		100
85) sec-Butylbenzene	13.612	105	419761	53.296	ug/l		100
86) p-Isopropyltoluene	13.723	119	353974	54.443	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	196552	45.855	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	201469	46.058	ug/l		100
89) n-Butylbenzene	14.053	91	305730	50.564	ug/l		100
90) Hexachloroethane	14.329	117	69444	49.001	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	193123	47.019	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.718	75	25059	46.995	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	103265	46.278	ug/l		100
94) Hexachlorobutadiene	15.500	225	46186	44.848	ug/l		100
95) Naphthalene	15.641	128	324523	51.063	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	102772	48.269	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085006.D
Acq On : 22 Nov 2024 11:46
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Nov 23 01:58:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

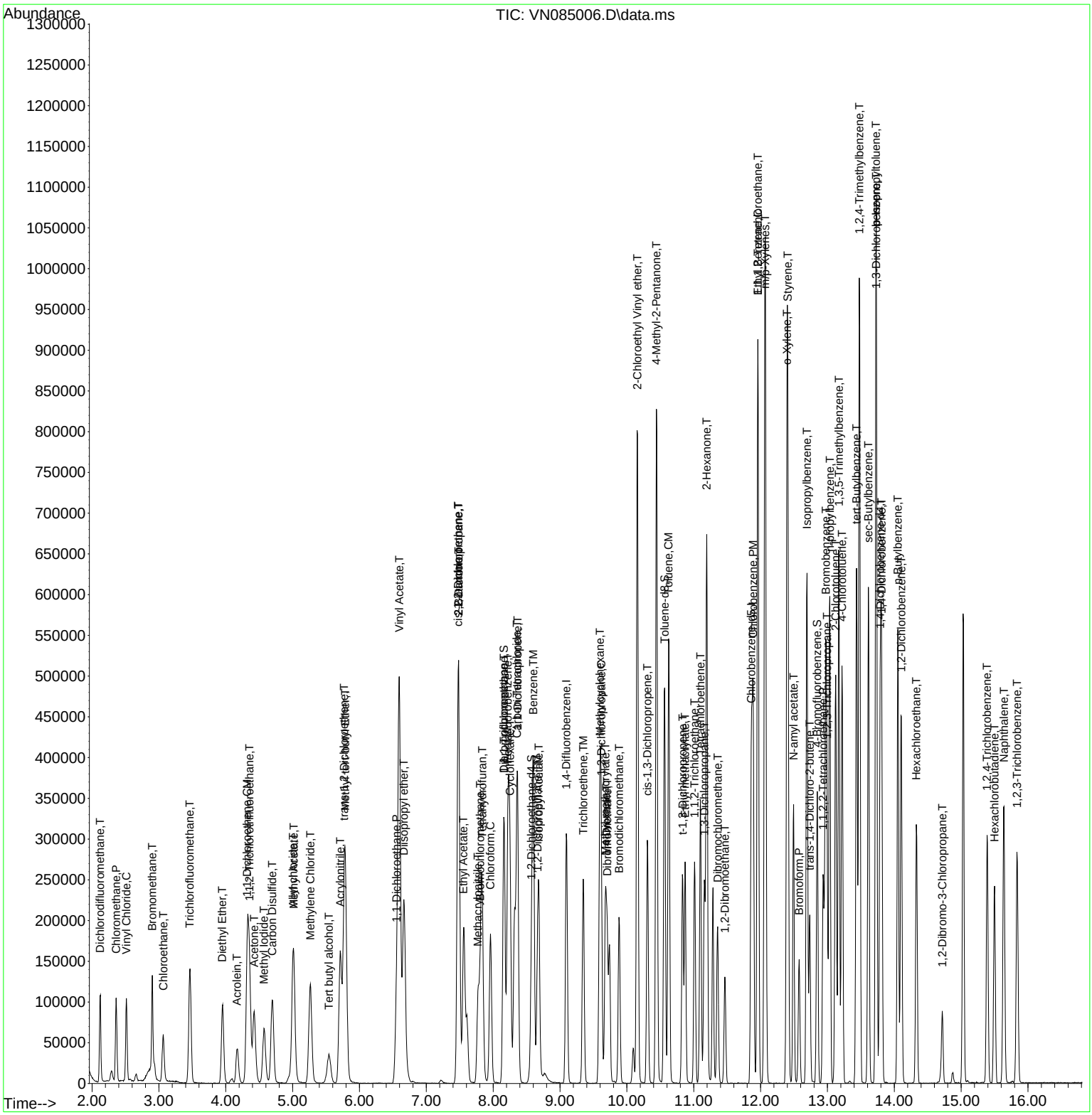
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

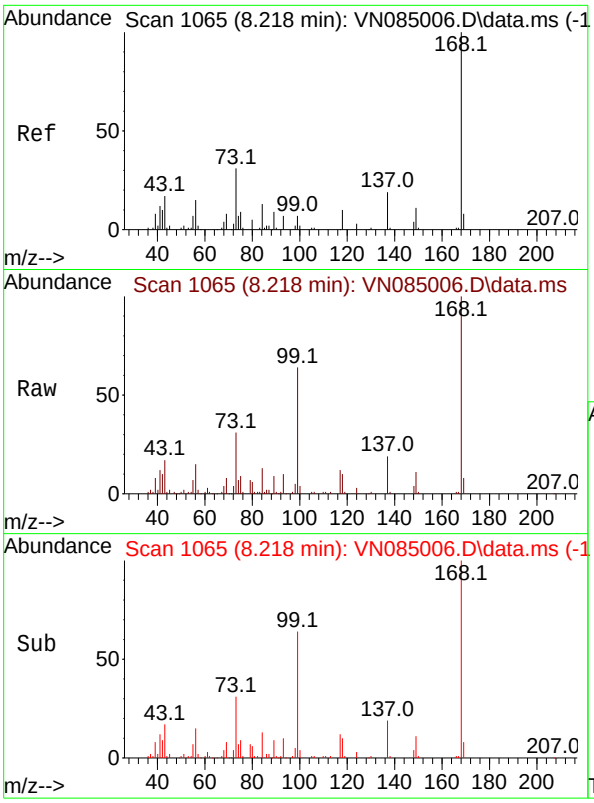
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085006.D
Acq On : 22 Nov 2024 11:46
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Nov 23 01:58:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration



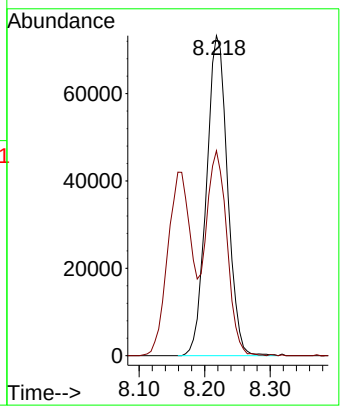


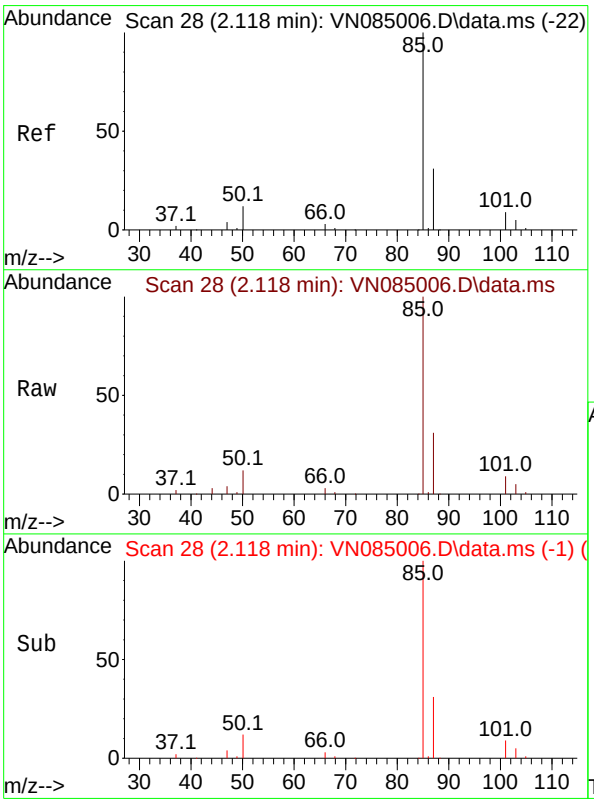
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 163353

Ion	Ratio	Lower	Upper
168	100		
99	64.0	51.2	76.8

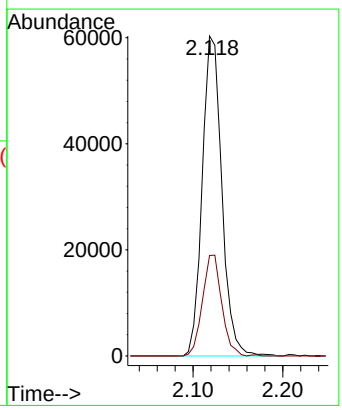


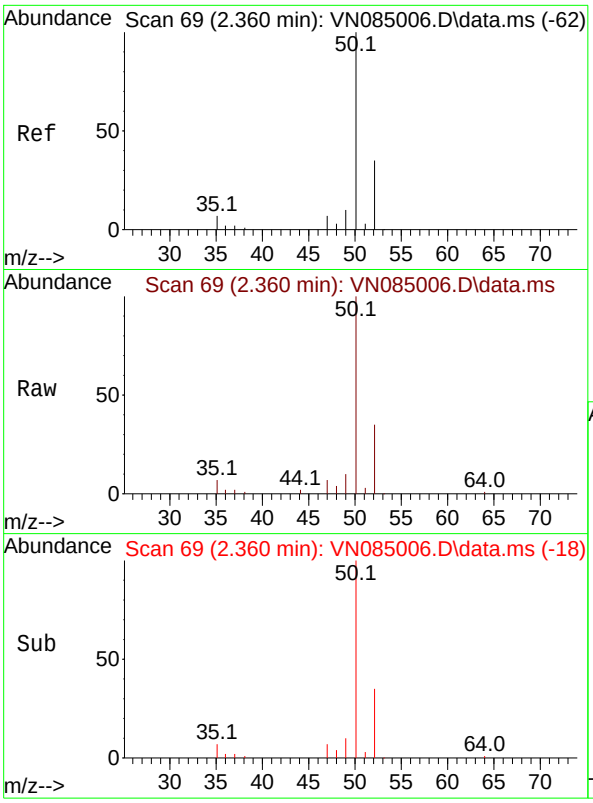


#2
Dichlorodifluoromethane
Concen: 49.512 ug/l
RT: 2.118 min Scan# 28
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 85 Resp: 91455

Ion	Ratio	Lower	Upper
85	100		
87	31.4	15.7	47.1



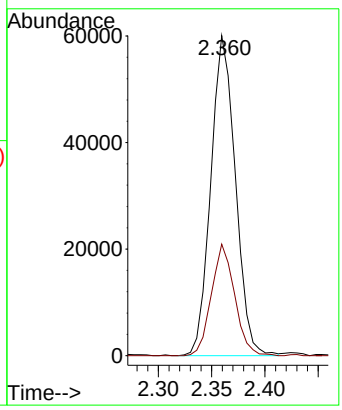


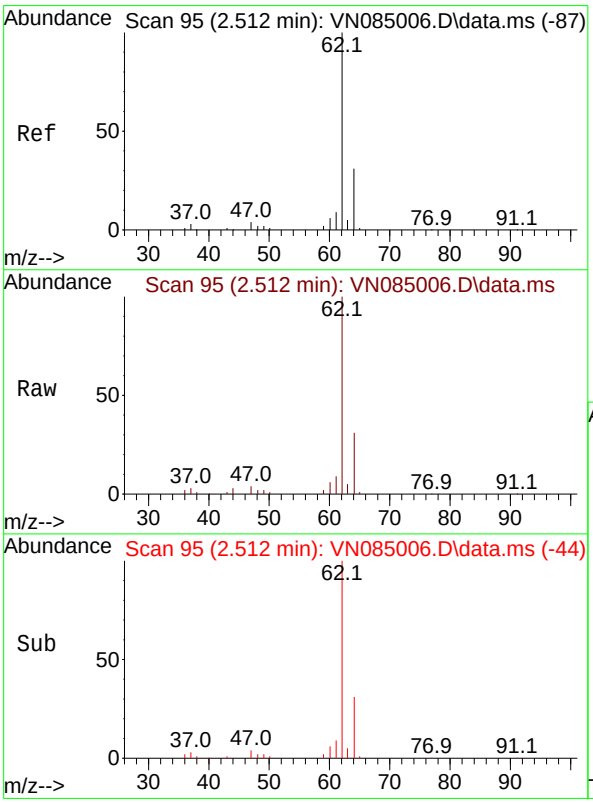
#3
Chloromethane
Concen: 45.027 ug/l
RT: 2.360 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 96463

Ion	Ratio	Lower	Upper
50	100		
52	34.8	27.8	41.8

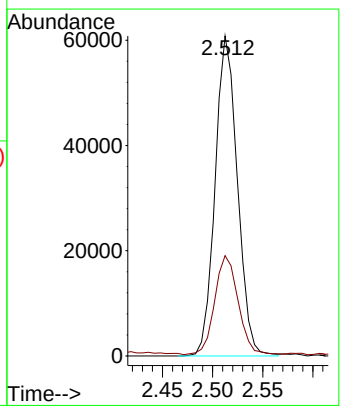


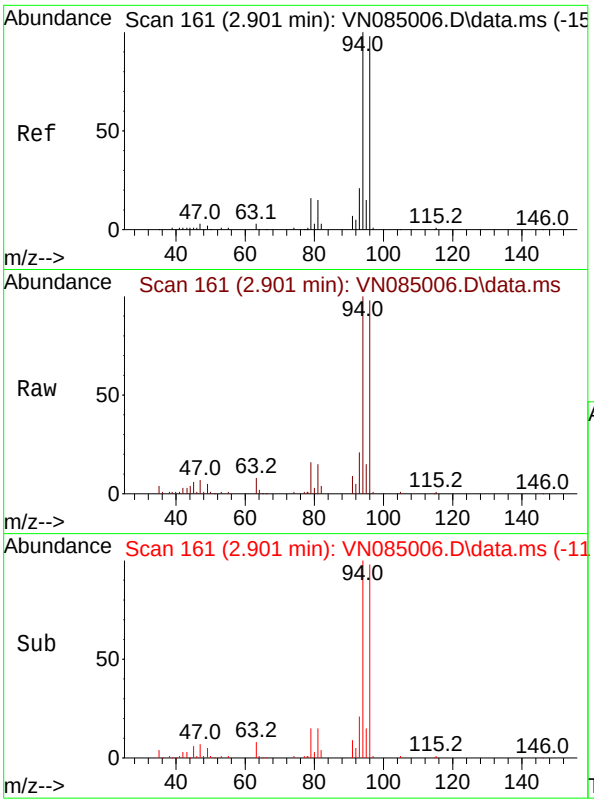


#4
Vinyl Chloride
Concen: 48.804 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 62 Resp: 93960

Ion	Ratio	Lower	Upper
62	100		
64	30.7	24.6	36.8



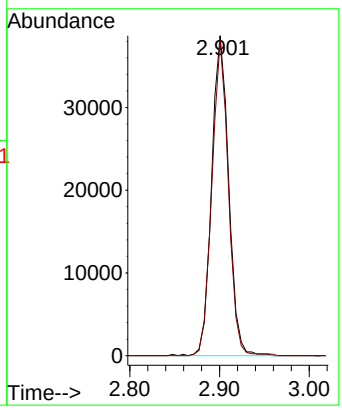


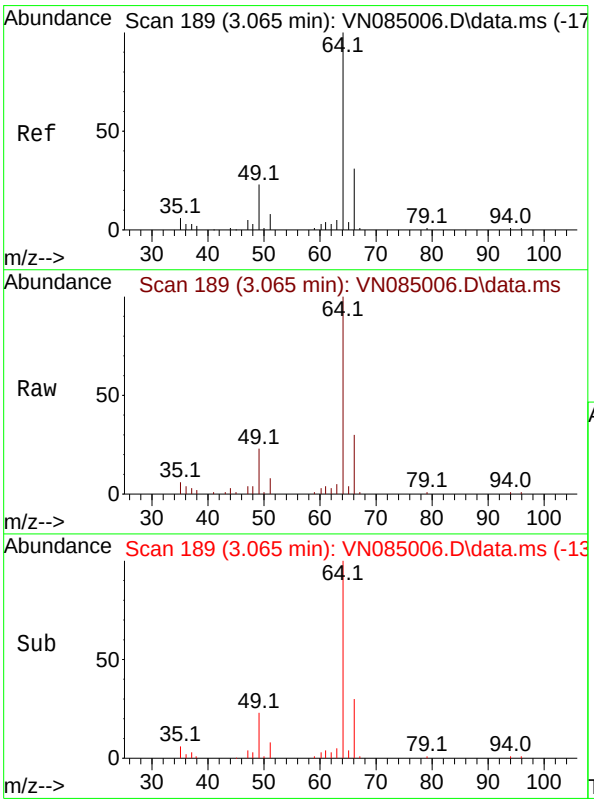
#5
Bromomethane
Concen: 47.102 ug/l
RT: 2.901 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 50828

Ion	Ratio	Lower	Upper
94	100		
96	98.4	78.7	118.1

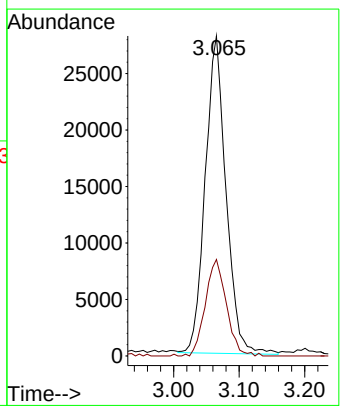


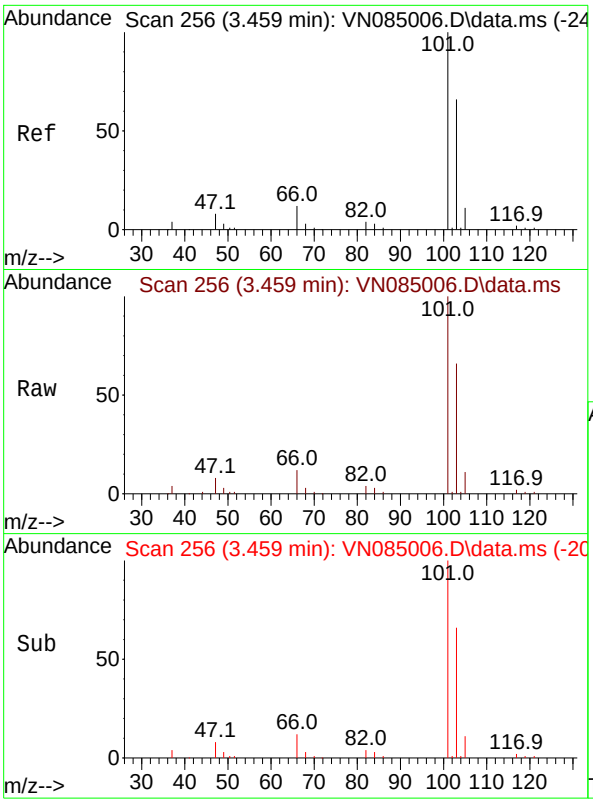


#6
Chloroethane
Concen: 47.657 ug/l
RT: 3.065 min Scan# 189
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 64 Resp: 61844

Ion	Ratio	Lower	Upper
64	100		
66	30.5	24.4	36.6



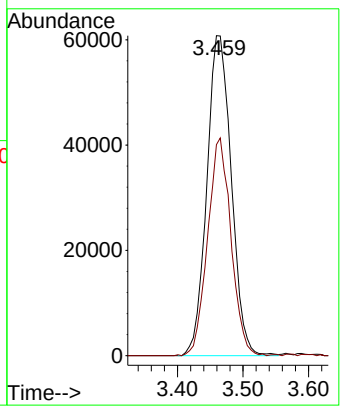


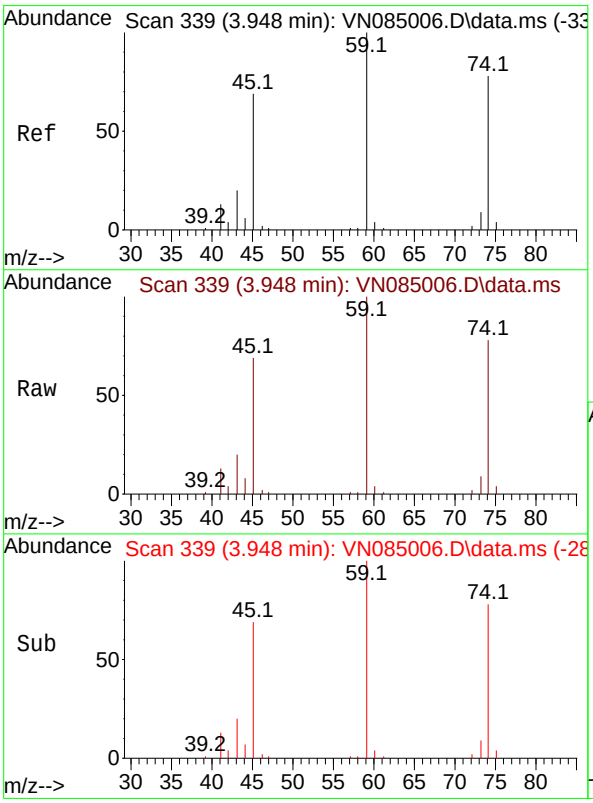
#7
Trichlorofluoromethane
Concen: 48.134 ug/l
RT: 3.459 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 157642

Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.6	78.8

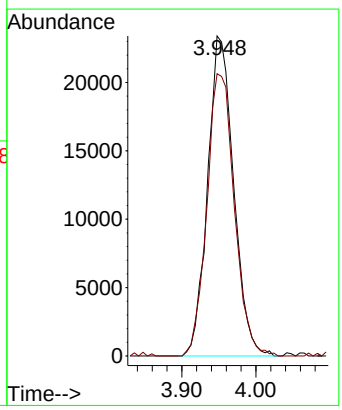


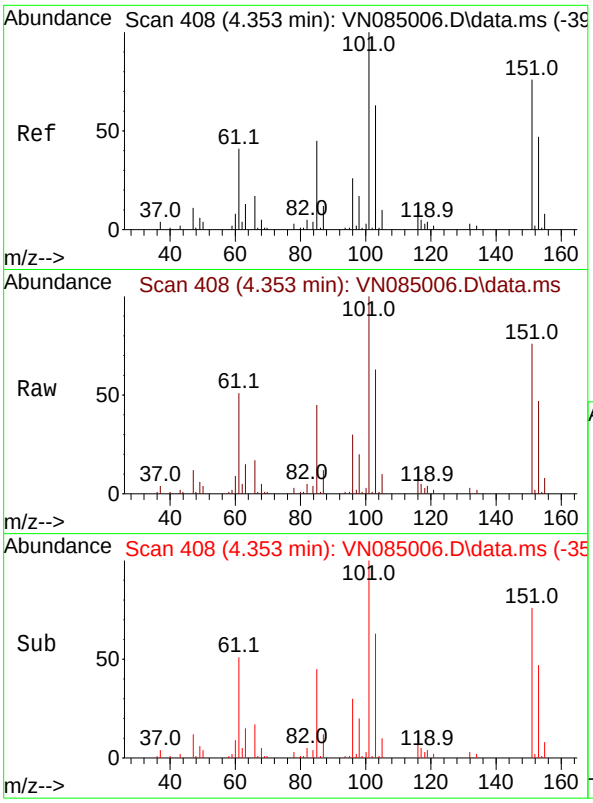


#8
Diethyl Ether
Concen: 51.145 ug/l
RT: 3.948 min Scan# 339
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 74 Resp: 57011

Ion	Ratio	Lower	Upper
74	100		
45	93.4	46.7	140.1



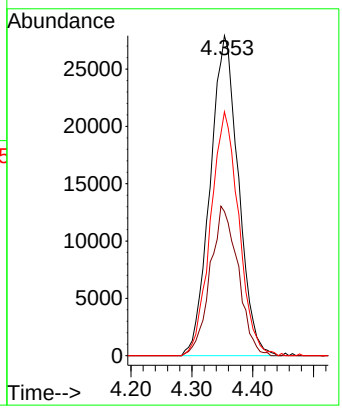


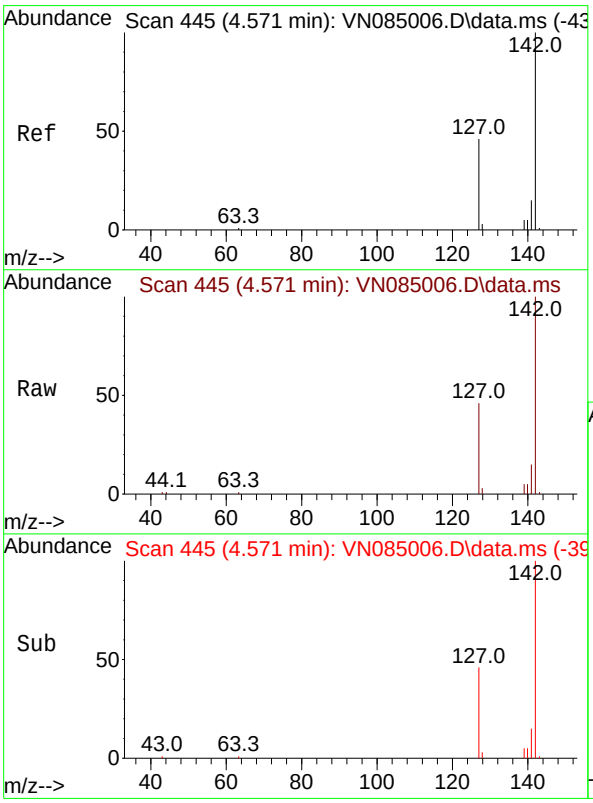
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.495 ug/l
RT: 4.353 min Scan# 4(
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 90080

Ion	Ratio	Lower	Upper
101	100		
85	46.1	36.9	55.3
151	76.0	60.8	91.2

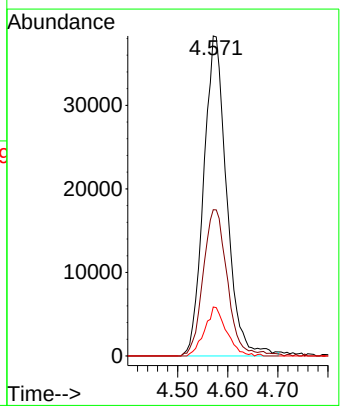


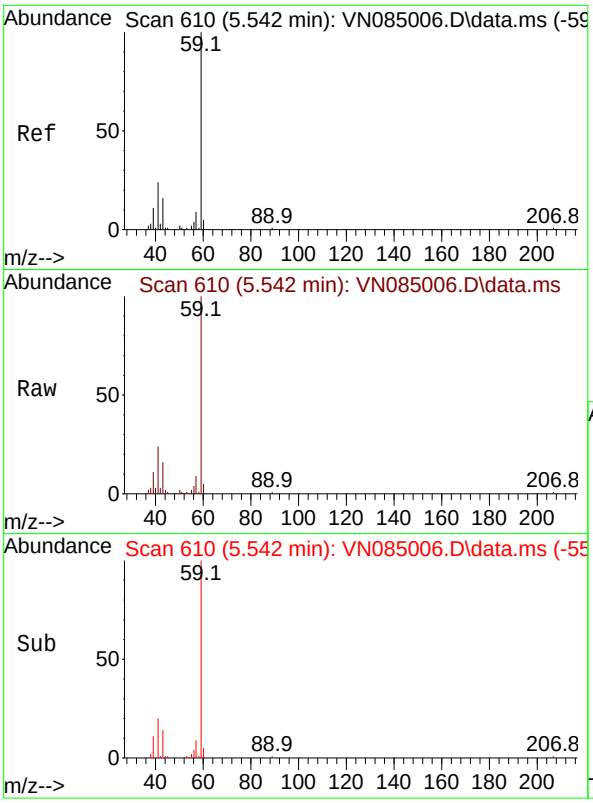


#10
Methyl Iodide
Concen: 49.653 ug/l
RT: 4.571 min Scan# 445
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:142 Resp: 122086

Ion	Ratio	Lower	Upper
142	100		
127	45.7	36.6	54.8
141	15.3	12.2	18.4



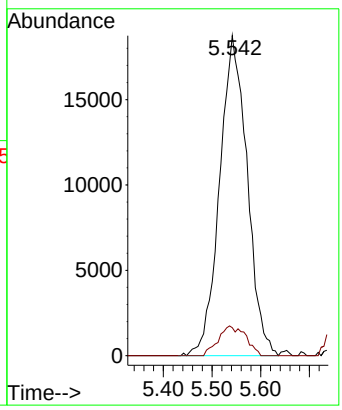


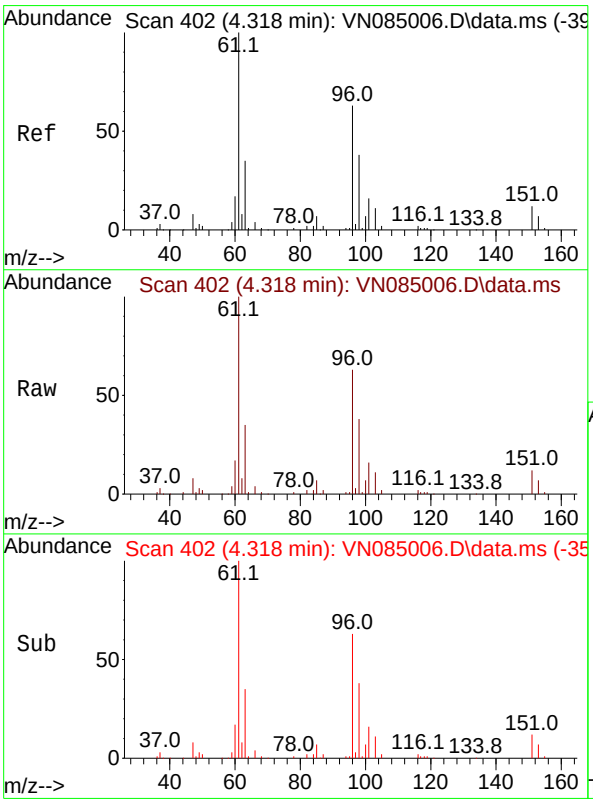
#11
Tert butyl alcohol
Concen: 237.049 ug/l
RT: 5.542 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 73708

Ion	Ratio	Lower	Upper
59	100		
57	9.2	7.4	11.0

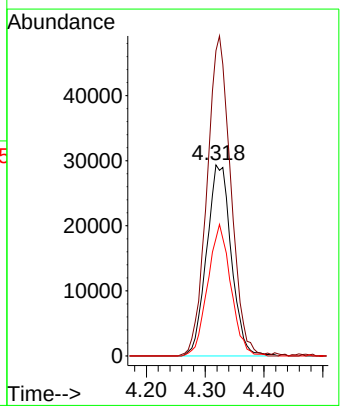


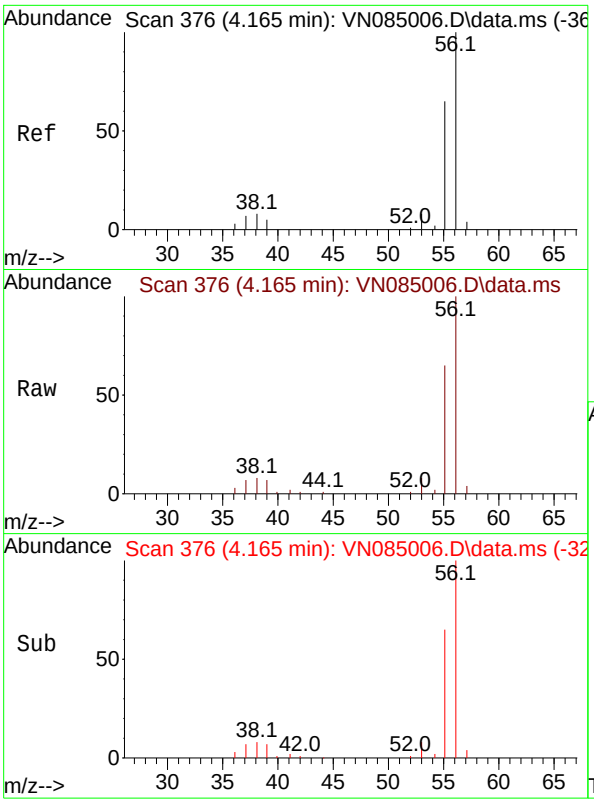


#12
1,1-Dichloroethene
Concen: 49.324 ug/l
RT: 4.318 min Scan# 402
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 96 Resp: 85520

Ion	Ratio	Lower	Upper
96	100		
61	159.8	127.8	191.8
98	61.5	49.2	73.8



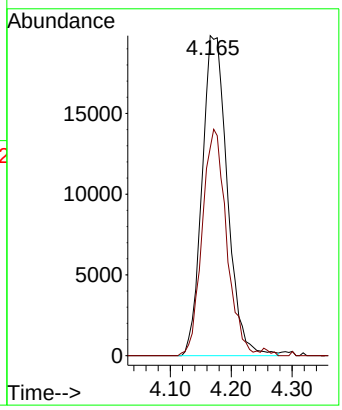


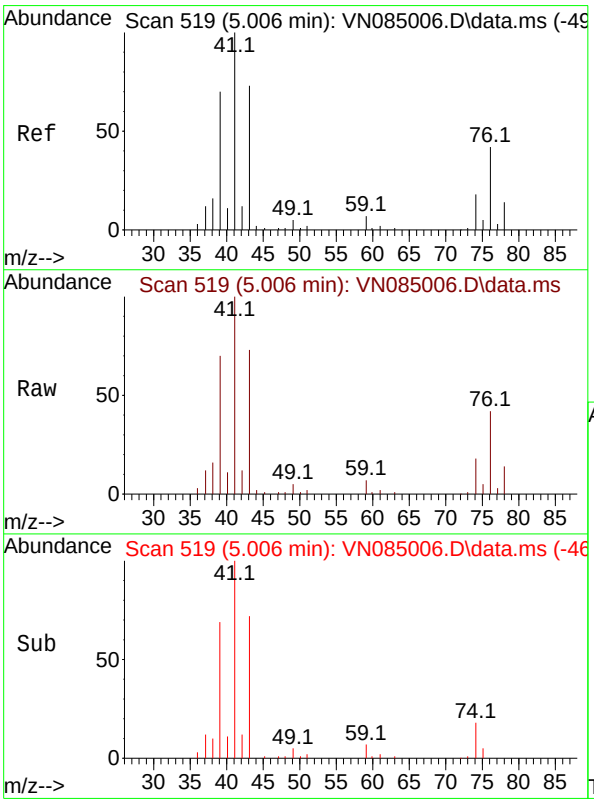
#13
Acrolein
Concen: 275.201 ug/l
RT: 4.165 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 57099

Ion	Ratio	Lower	Upper
56	100		
55	68.1	54.5	81.7

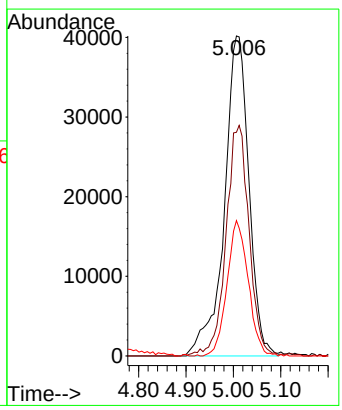


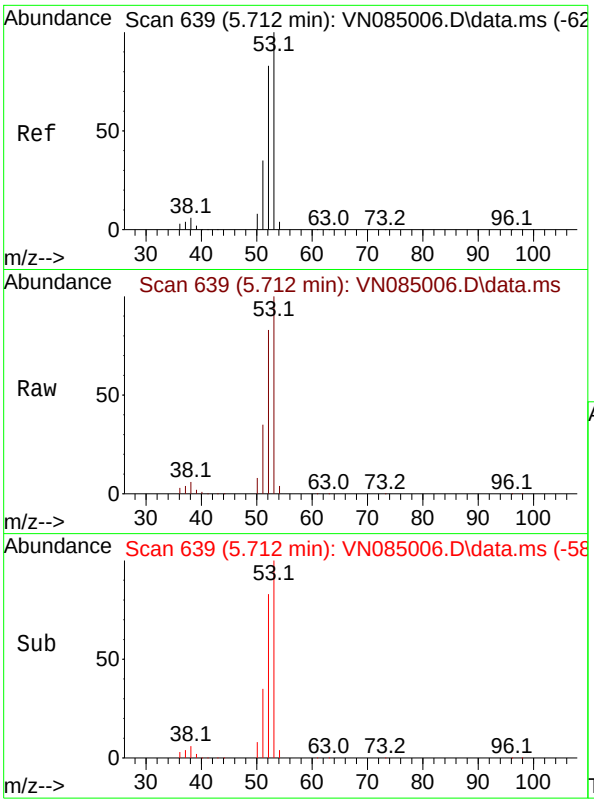


#14
Allyl chloride
Concen: 49.531 ug/l
RT: 5.006 min Scan# 519
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 41 Resp: 144773

Ion	Ratio	Lower	Upper
41	100		
39	67.3	53.8	80.8
76	36.6	29.3	43.9



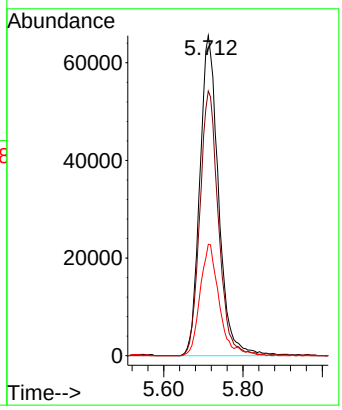


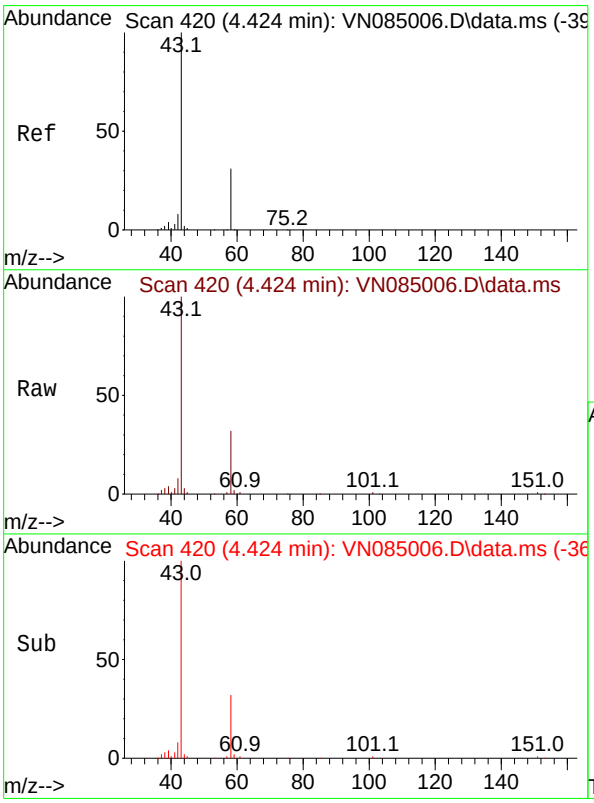
#15
Acrylonitrile
Concen: 243.910 ug/l
RT: 5.712 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 214719

Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.5	98.3
51	35.5	28.4	42.6

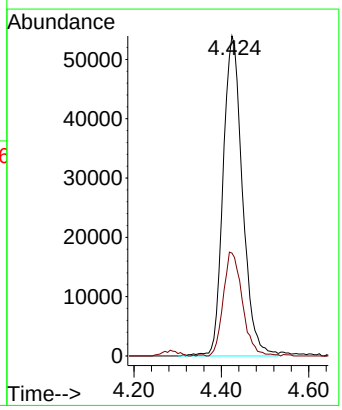


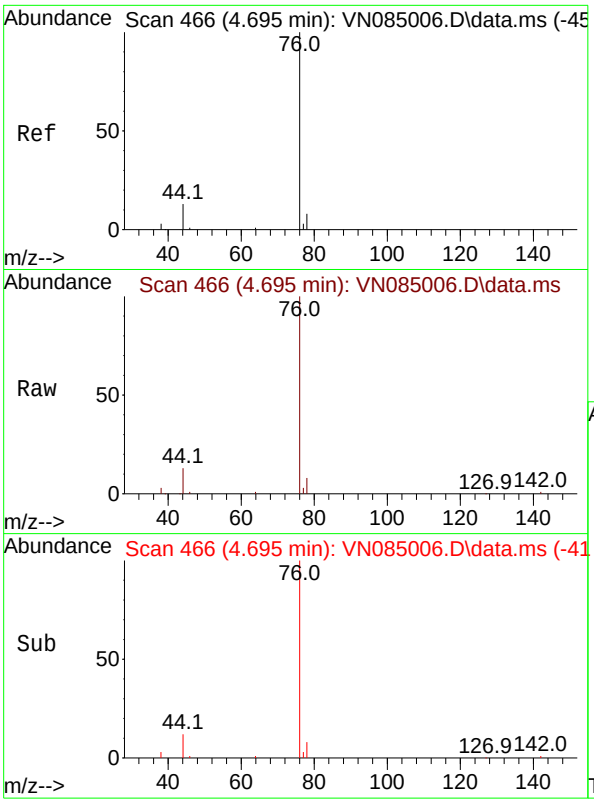


#16
Acetone
Concen: 244.384 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 43 Resp: 165611

Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.4	38.2



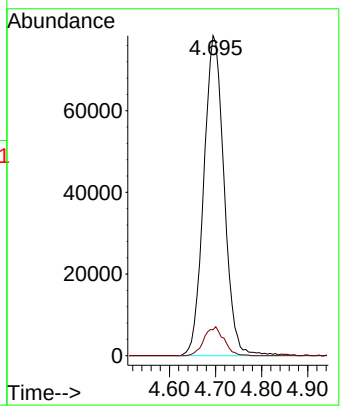


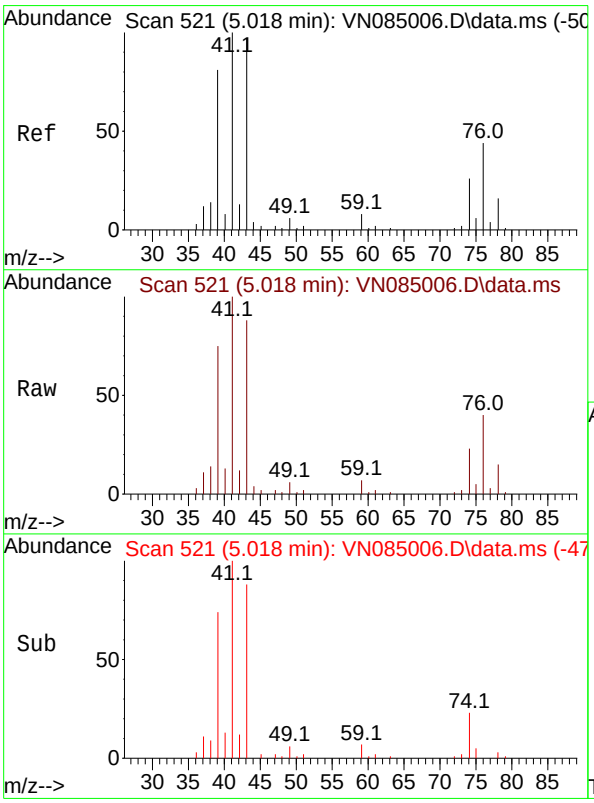
#17
Carbon Disulfide
Concen: 46.996 ug/l
RT: 4.695 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 240507

Ion	Ratio	Lower	Upper
76	100		
78	8.1	6.5	9.7

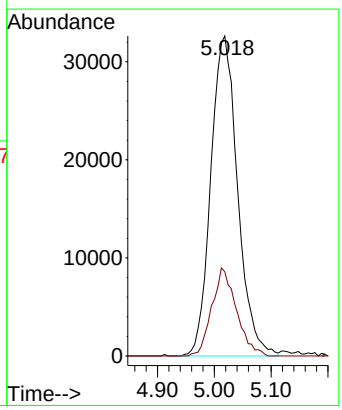


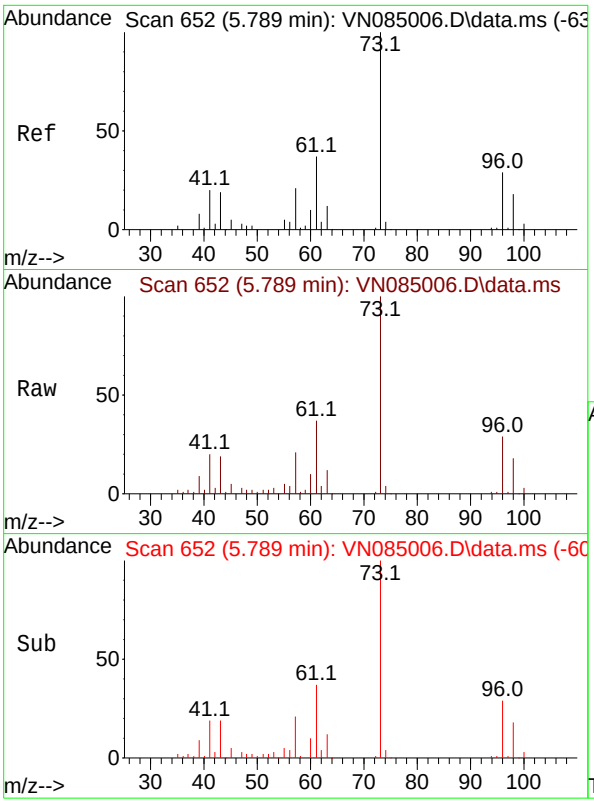


#18
Methyl Acetate
Concen: 49.436 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 43 Resp: 107105

Ion	Ratio	Lower	Upper
43	100		
74	25.1	20.1	30.1



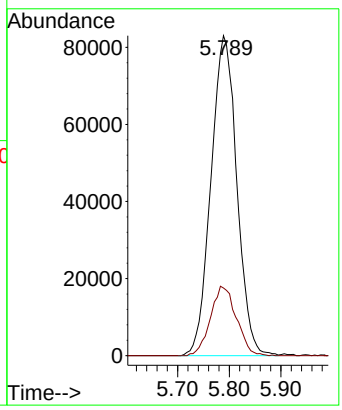


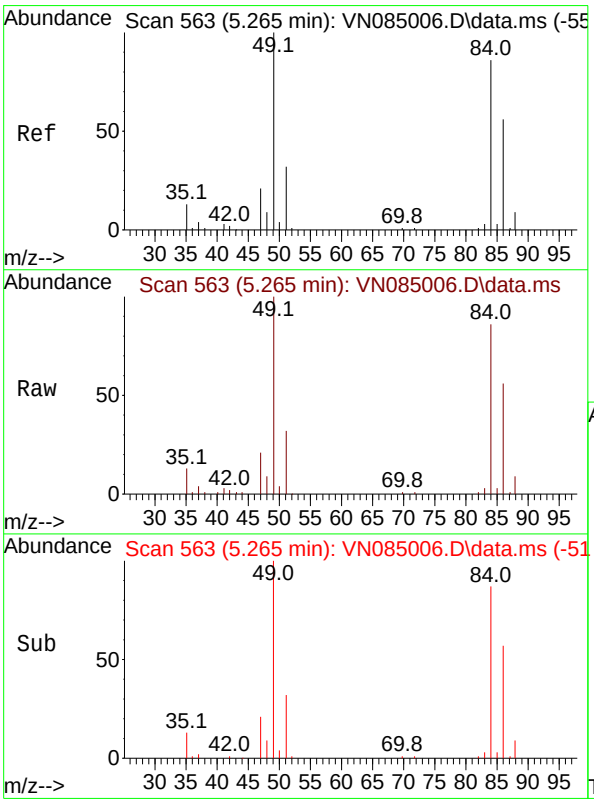
#19
Methyl tert-butyl Ether
Concen: 50.982 ug/l
RT: 5.789 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 288810

Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.0	25.4

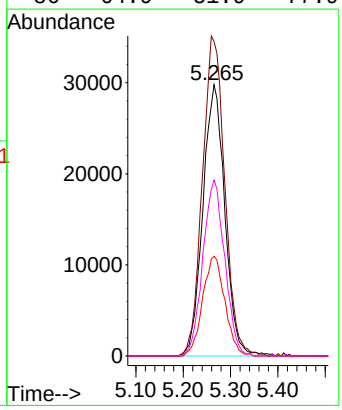


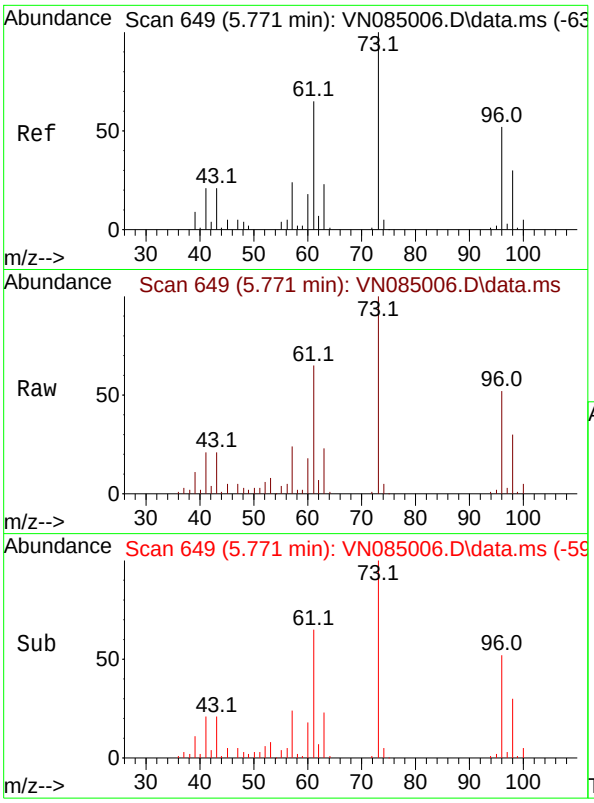


#20
Methylene Chloride
Concen: 46.464 ug/l
RT: 5.265 min Scan# 563
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 84 Resp: 96084

Ion	Ratio	Lower	Upper
84	100		
49	115.9	92.7	139.1
51	36.8	29.4	44.2
86	64.9	51.9	77.9



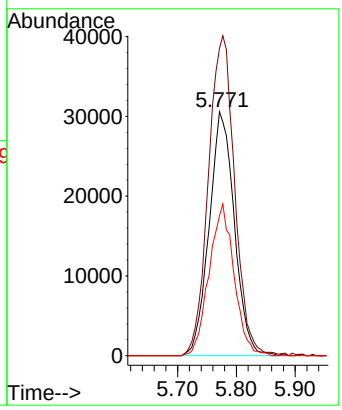


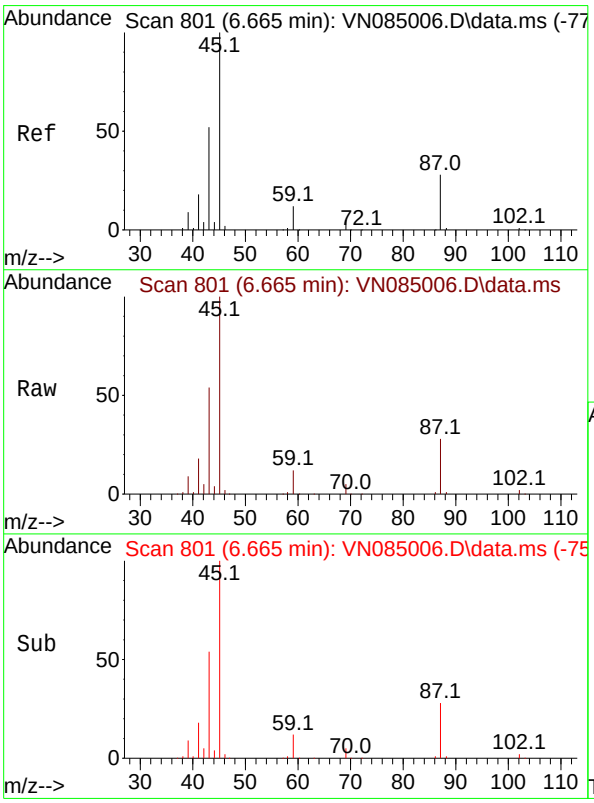
#21
trans-1,2-Dichloroethene
Concen: 49.992 ug/l
RT: 5.771 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 91214

Ion	Ratio	Lower	Upper
96	100		
61	125.9	100.7	151.1
98	57.2	45.8	68.6

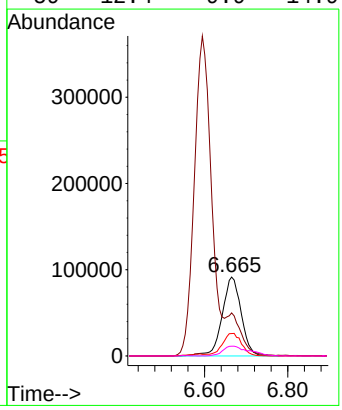


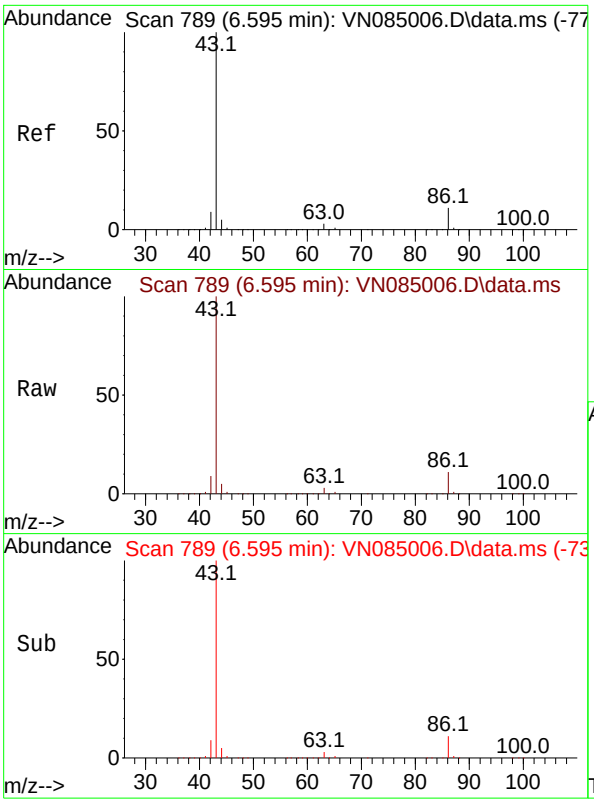


#22
Diisopropyl ether
Concen: 49.447 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 45 Resp: 290883

Ion	Ratio	Lower	Upper
45	100		
43	53.4	42.7	64.1
87	28.3	22.6	34.0
59	12.4	9.9	14.9



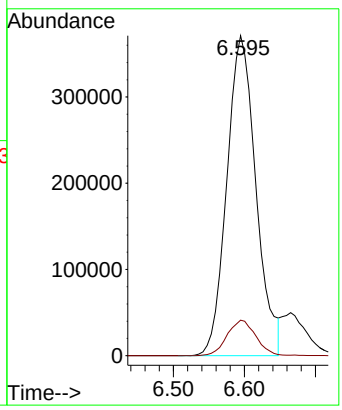


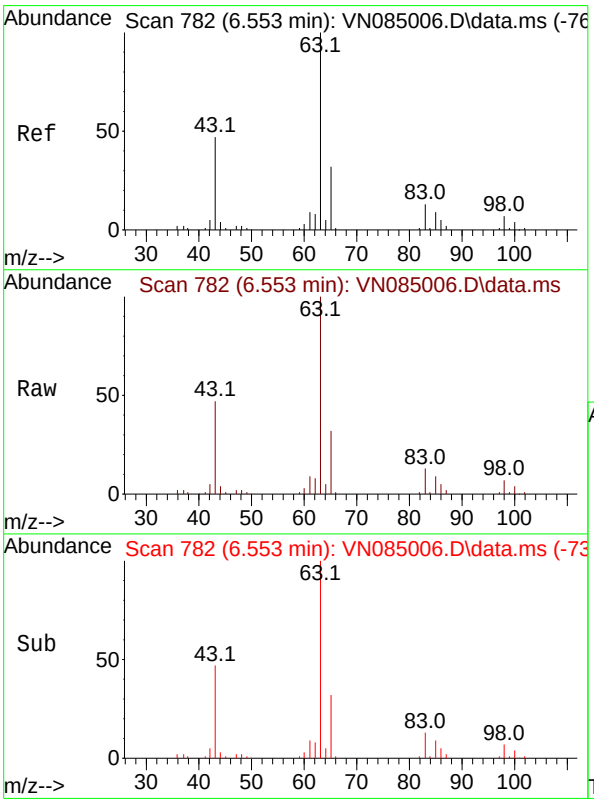
#23
Vinyl Acetate
Concen: 260.842 ug/l
RT: 6.595 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1058594

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.9	13.3

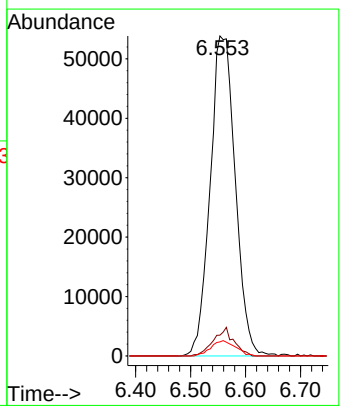


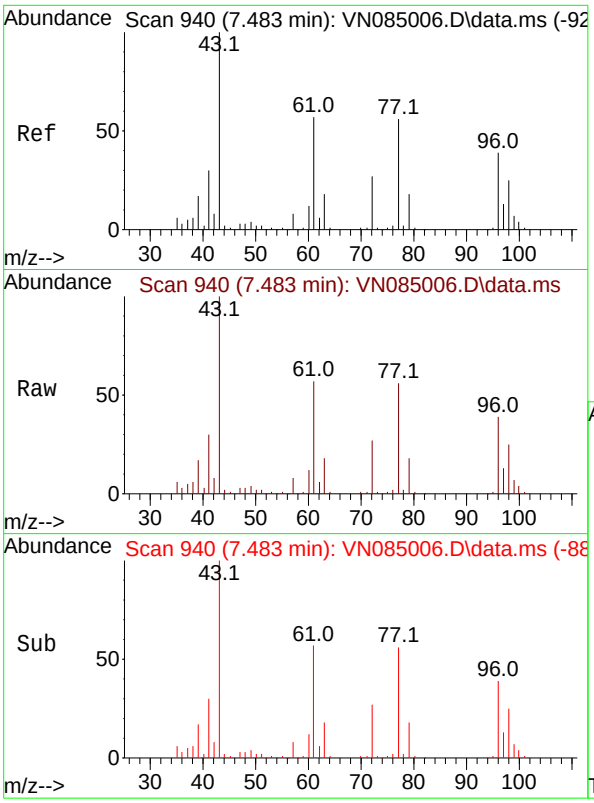


#24
1,1-Dichloroethane
Concen: 48.684 ug/l
RT: 6.553 min Scan# 782
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 63 Resp: 171385

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.3	9.8
100	4.4	2.2	6.6



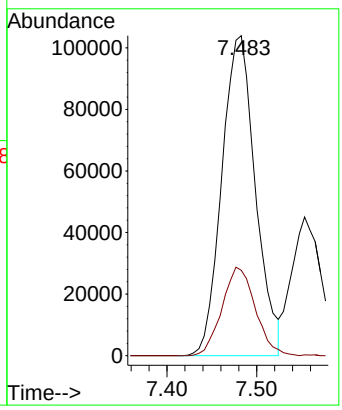


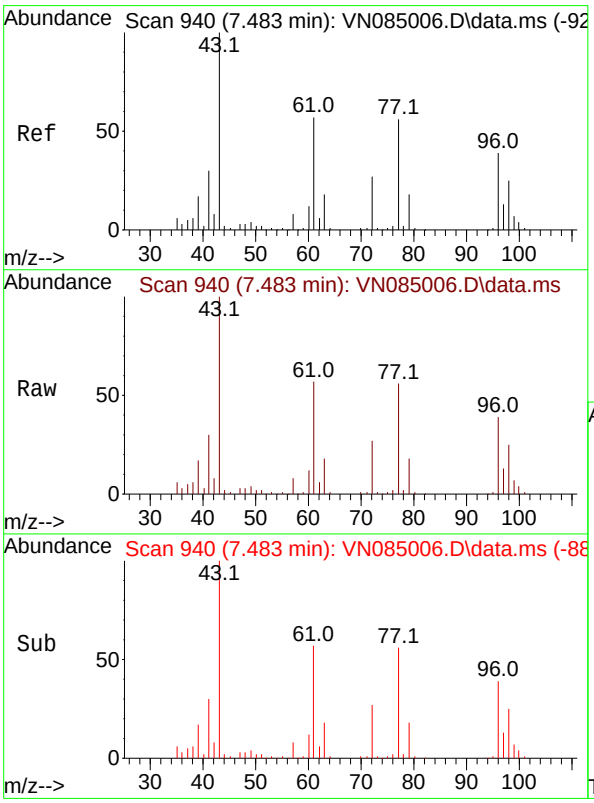
#25
2-Butanone
Concen: 244.184 ug/l
RT: 7.483 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 270539

Ion	Ratio	Lower	Upper
43	100		
72	26.7	21.4	32.0

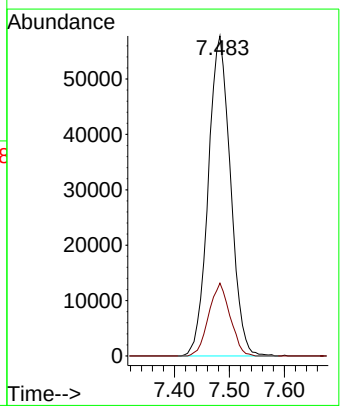


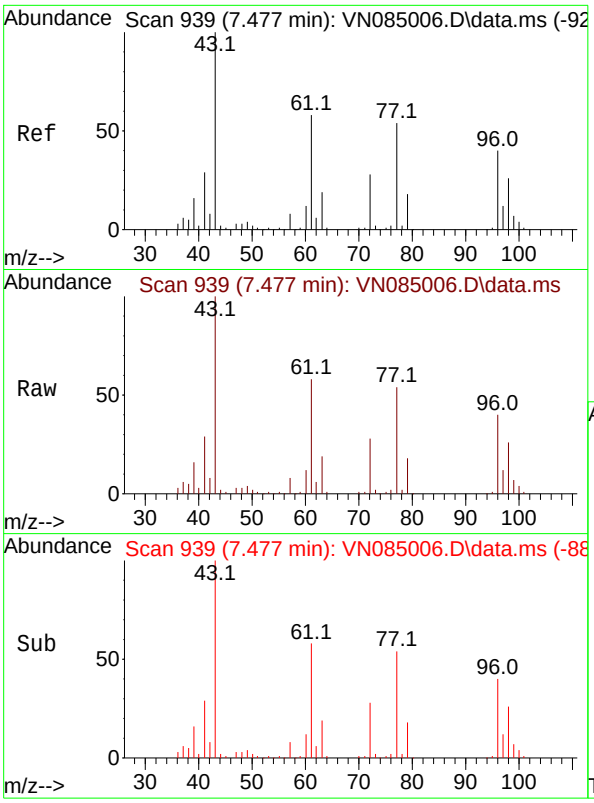


#26
2,2-Dichloropropane
Concen: 49.367 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 77 Resp: 162280

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.9	32.7



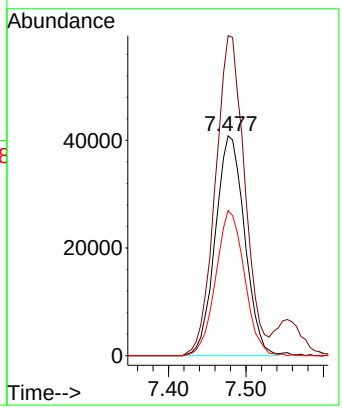


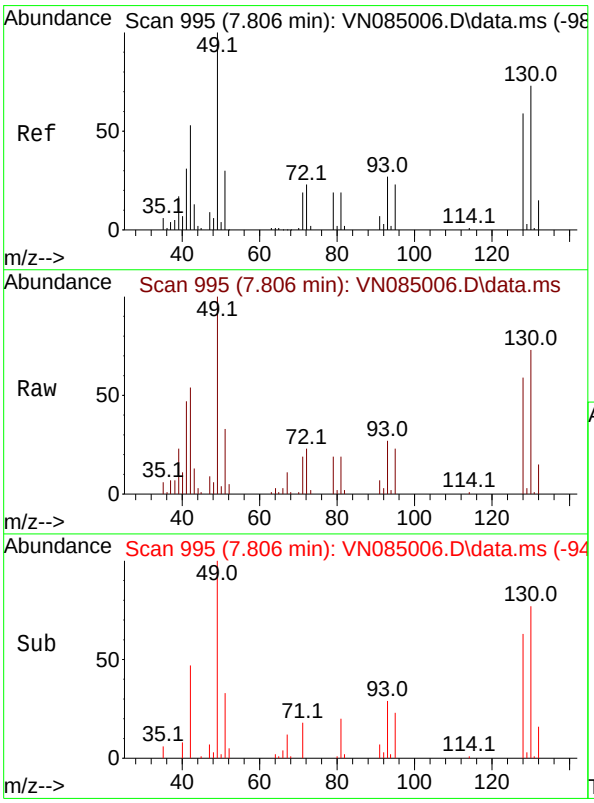
#27
cis-1,2-Dichloroethene
Concen: 48.796 ug/l
RT: 7.477 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 107332

Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	291.6
98	64.9	0.0	129.8

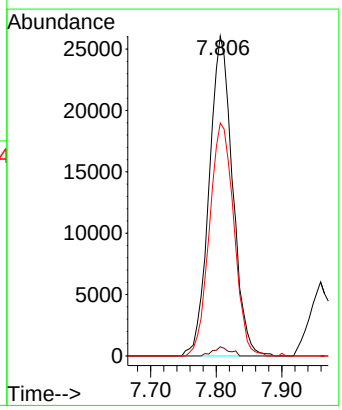


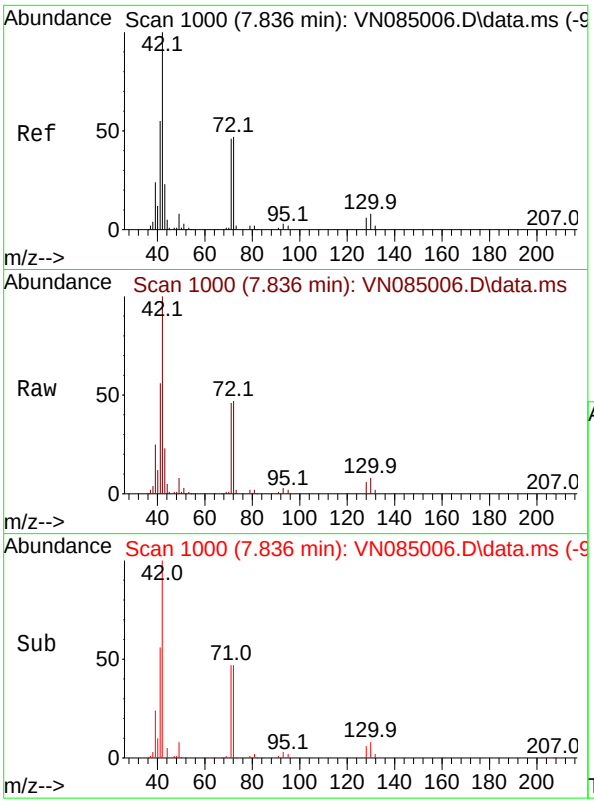


#28
Bromochloromethane
Concen: 48.597 ug/l
RT: 7.806 min Scan# 995
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 49 Resp: 64580

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	75.7	60.6	90.8



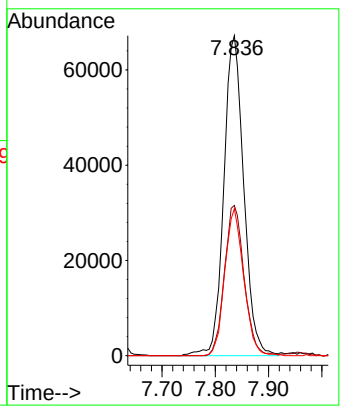


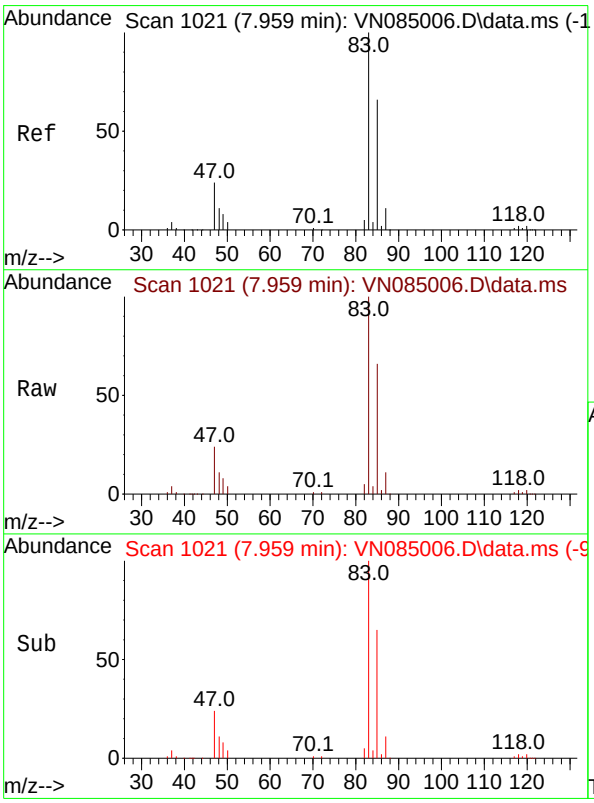
#29
Tetrahydrofuran
Concen: 254.088 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 175063

Ion	Ratio	Lower	Upper
42	100		
72	46.2	37.0	55.4
71	43.7	35.0	52.4

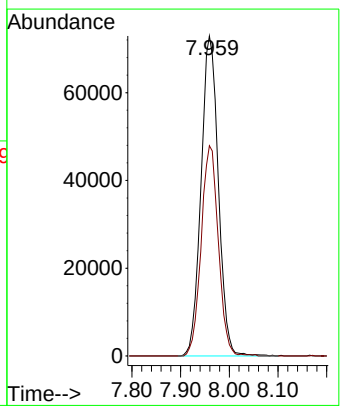


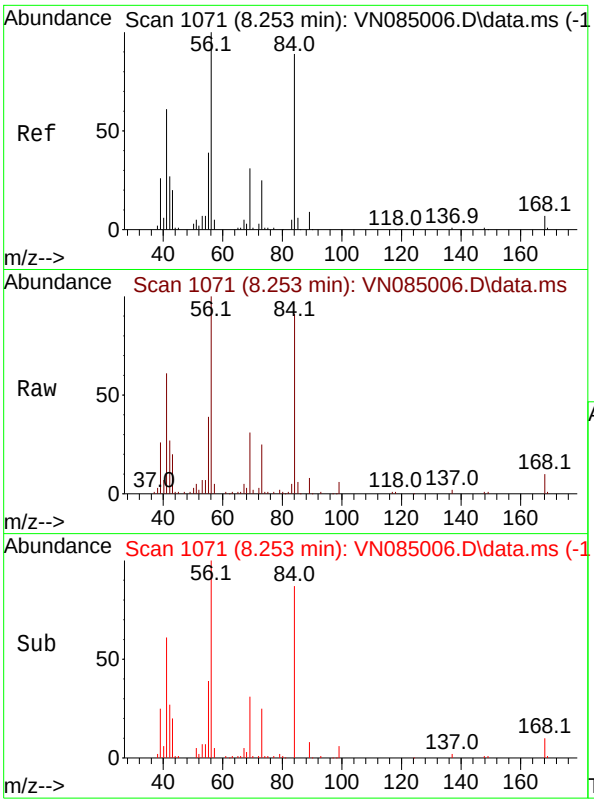


#30
Chloroform
Concen: 47.921 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 83 Resp: 179452

Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.6	78.8



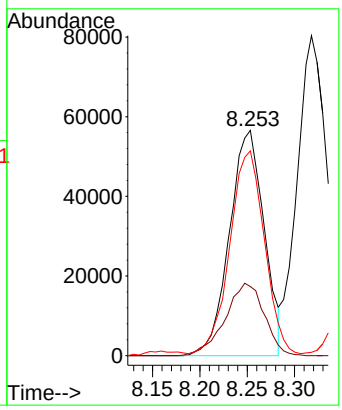


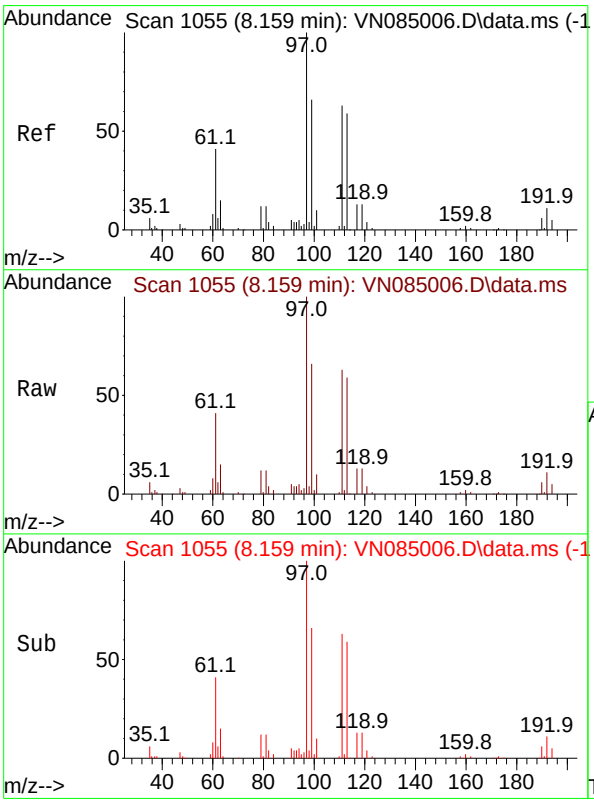
#31
Cyclohexane
Concen: 46.504 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 144139

Ion	Ratio	Lower	Upper
56	100		
69	30.7	24.6	36.8
84	89.3	71.4	107.2

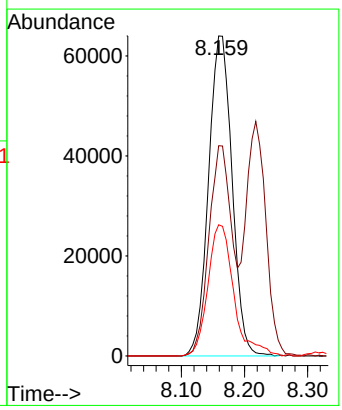


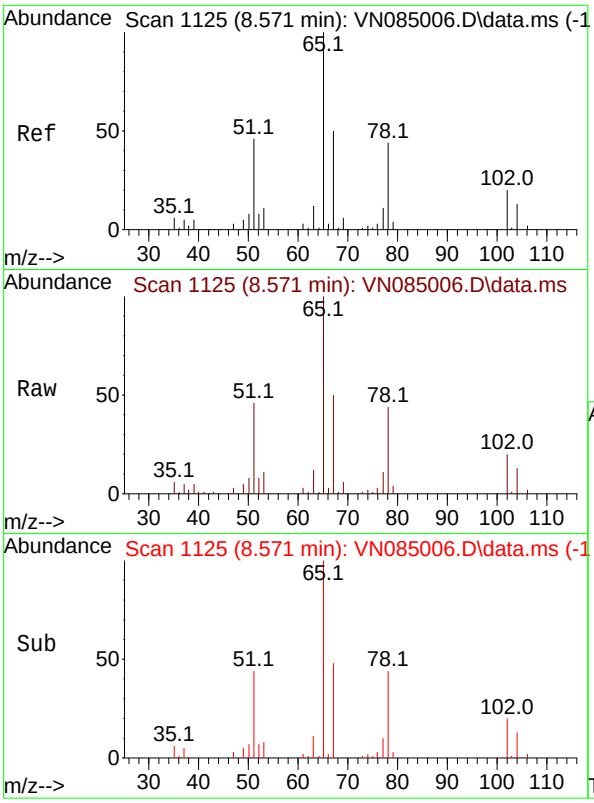


#32
1,1,1-Trichloroethane
Concen: 48.900 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 97 Resp: 165474

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.4
61	45.2	36.2	54.2



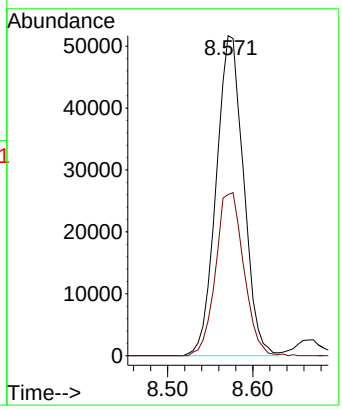


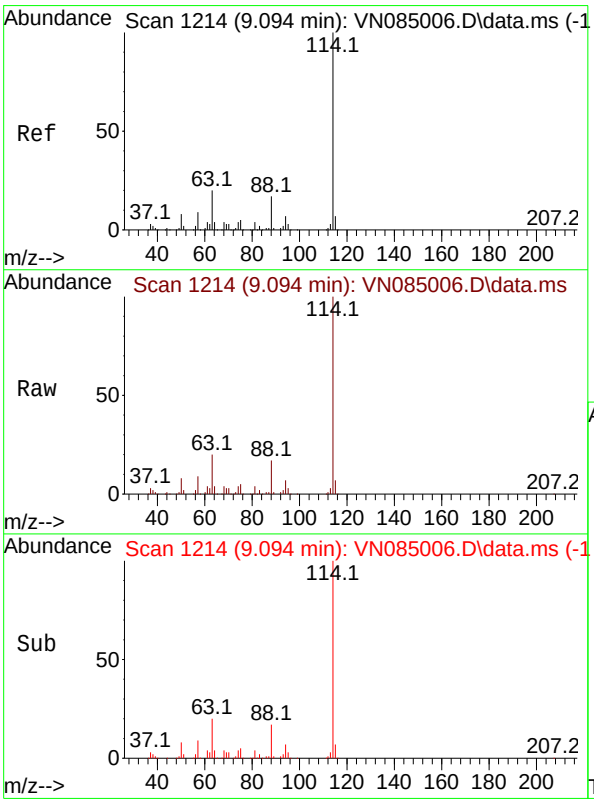
#33
1,2-Dichloroethane-d4
Concen: 49.528 ug/l
RT: 8.571 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 115244

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	105.0

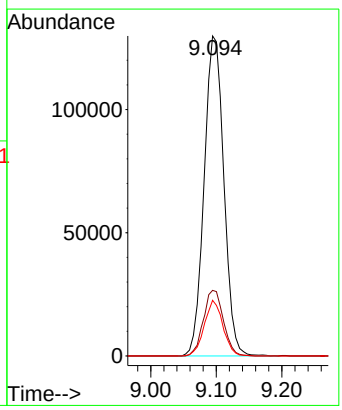


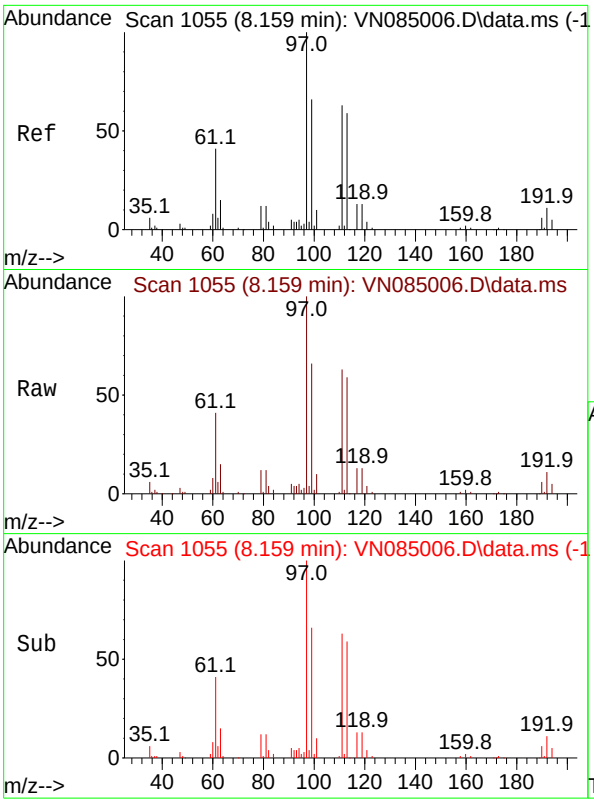


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:114 Resp: 271467

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	41.0
88	17.4	0.0	34.8



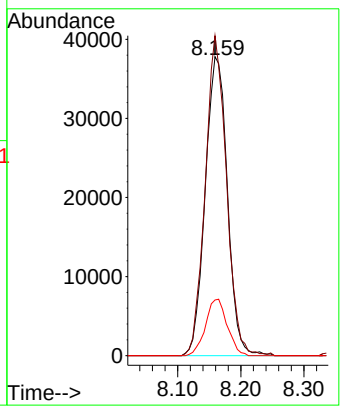


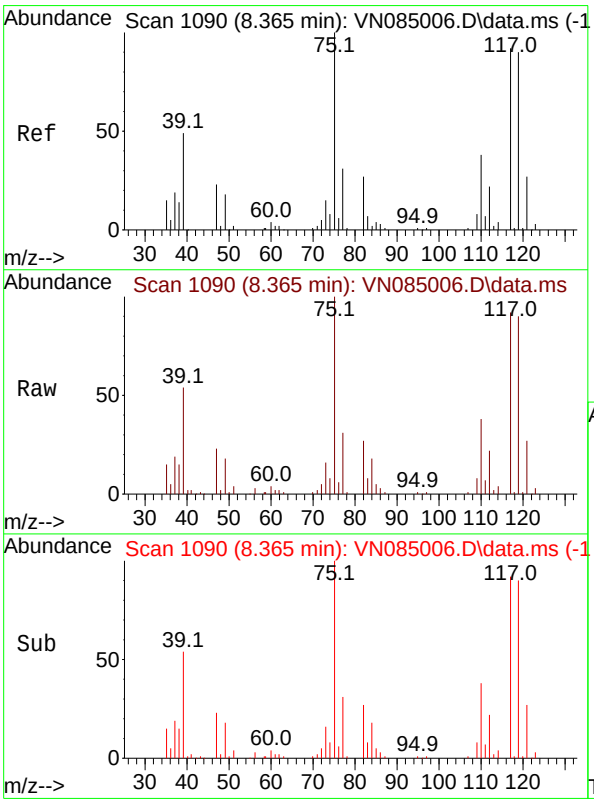
#35
Dibromofluoromethane
Concen: 50.417 ug/l
RT: 8.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 92297

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.0	123.0
192	18.5	14.8	22.2

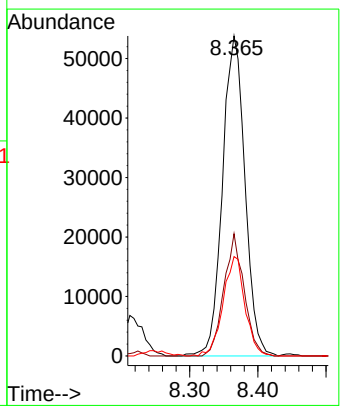


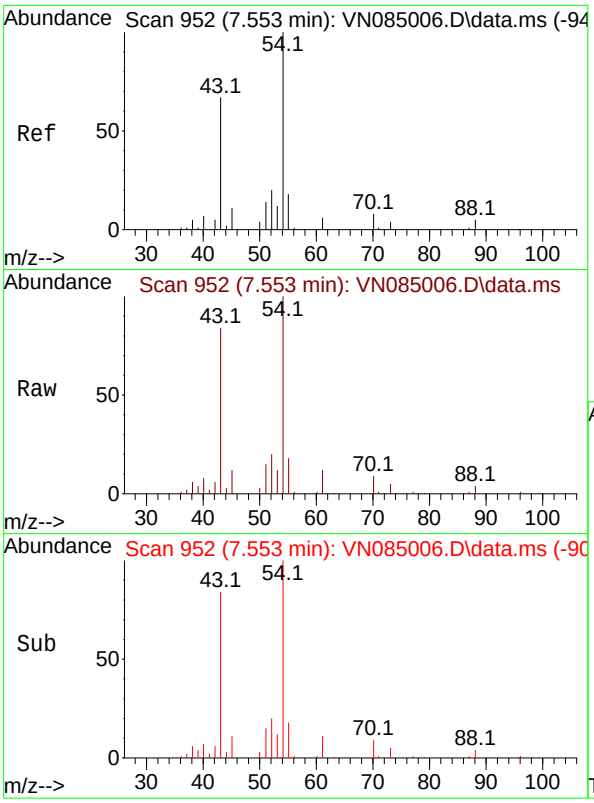


#36
1,1-Dichloropropene
Concen: 49.822 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 75 Resp: 123540

Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.2	51.6
77	30.3	24.2	36.4



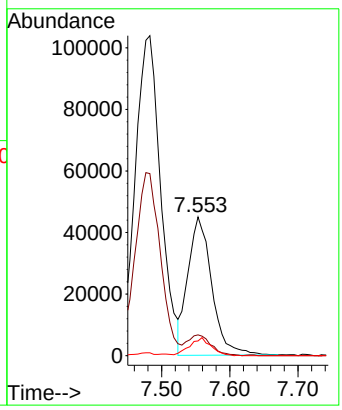


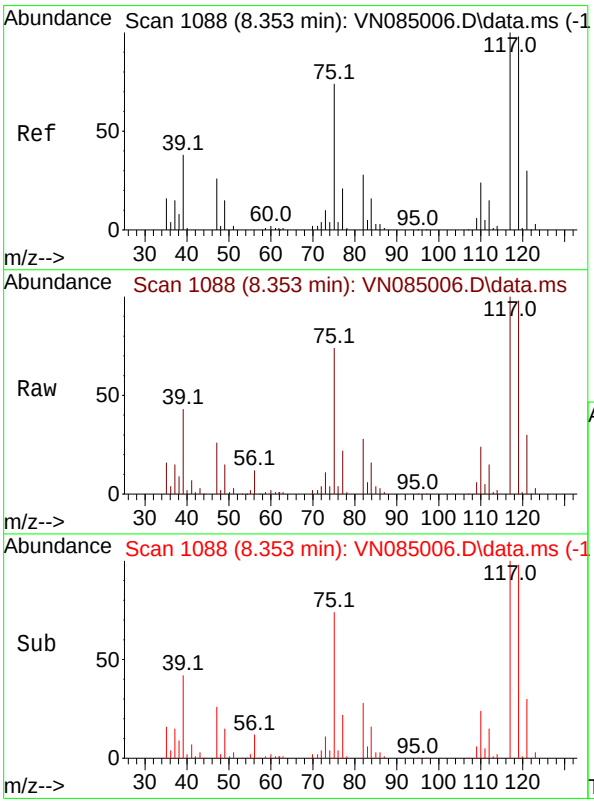
#37
Ethyl Acetate
Concen: 48.484 ug/l
RT: 7.553 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 109296

Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.7	17.5
70	11.6	9.3	13.9

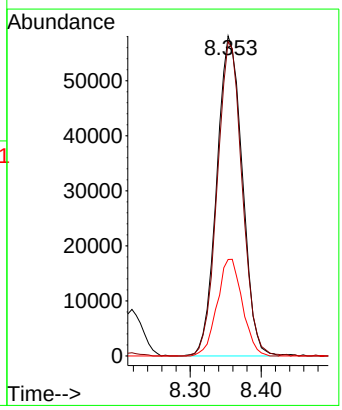


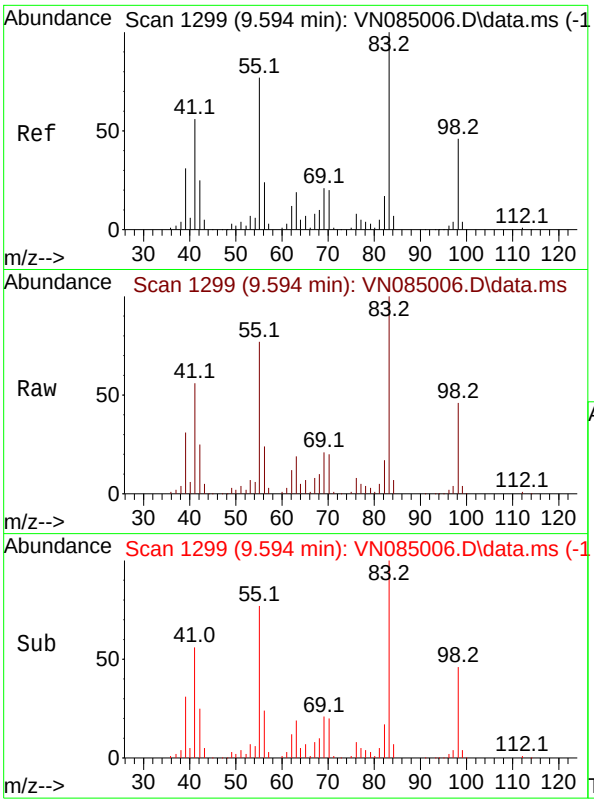


#38
Carbon Tetrachloride
Concen: 50.624 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:117 Resp: 144897

Ion	Ratio	Lower	Upper
117	100		
119	98.2	78.6	117.8
121	30.2	24.2	36.2



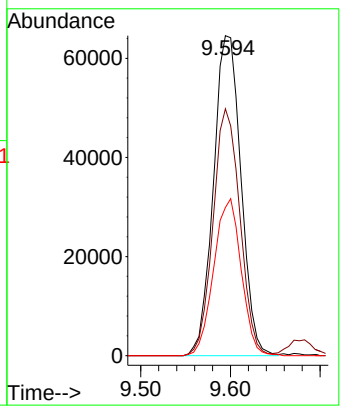


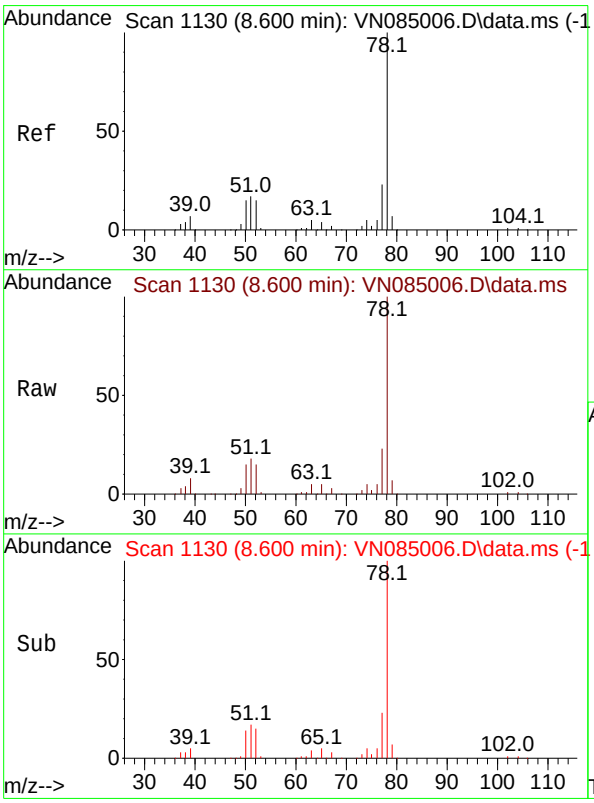
#39
Methylcyclohexane
Concen: 53.395 ug/l
RT: 9.594 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 137583

Ion	Ratio	Lower	Upper
83	100		
55	77.2	61.8	92.6
98	46.3	37.0	55.6

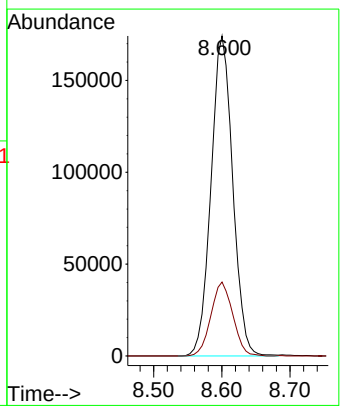


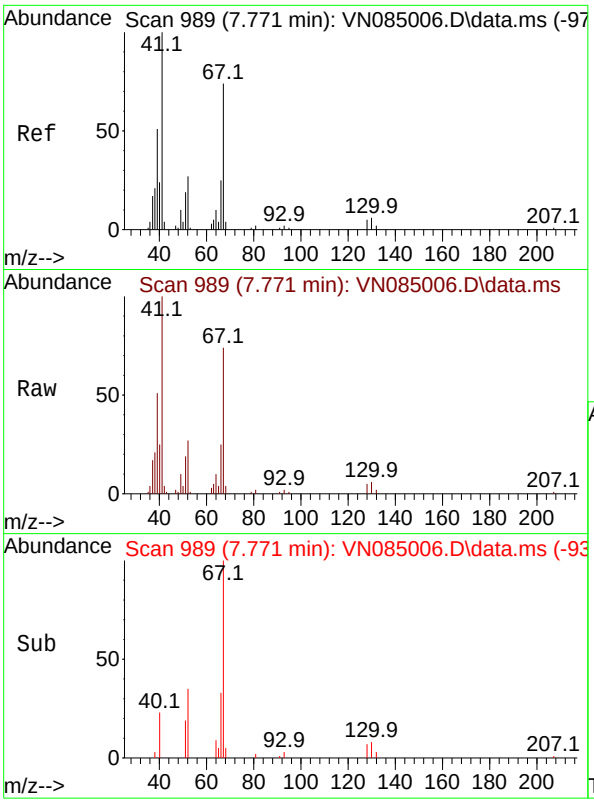


#40
Benzene
Concen: 49.297 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 78 Resp: 386616

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.5	27.7



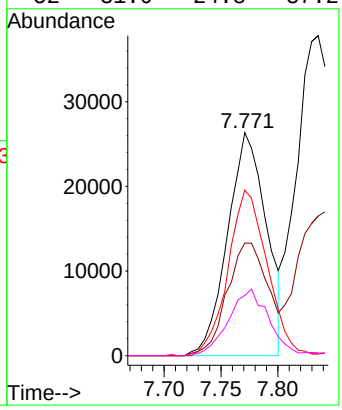


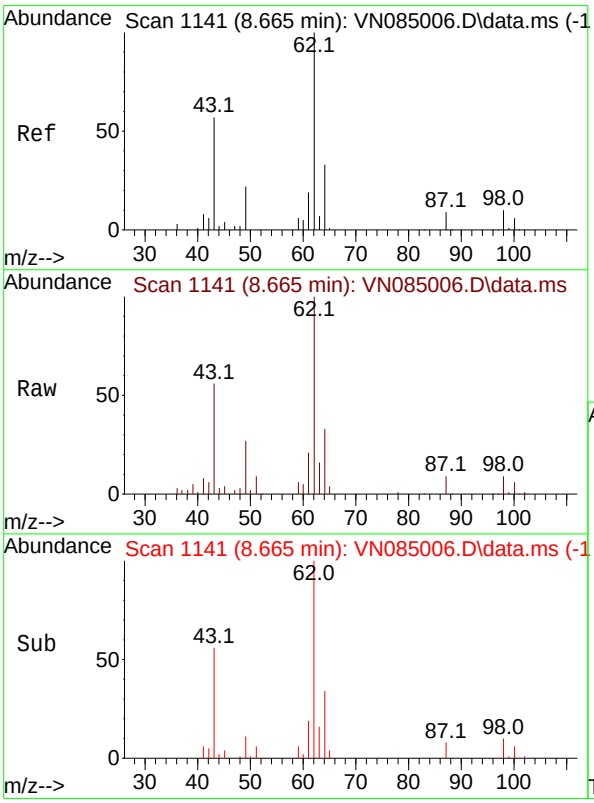
#41
Methacrylonitrile
Concen: 50.102 ug/l
RT: 7.771 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 62534

Ion	Ratio	Lower	Upper
41	100		
39	53.2	42.6	63.8
67	74.9	59.9	89.9
52	31.0	24.8	37.2

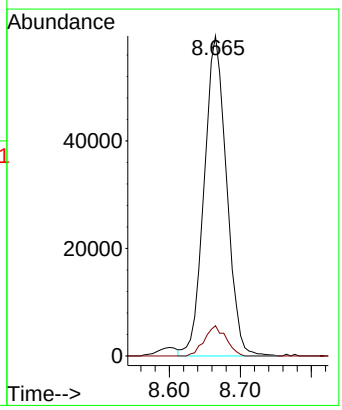


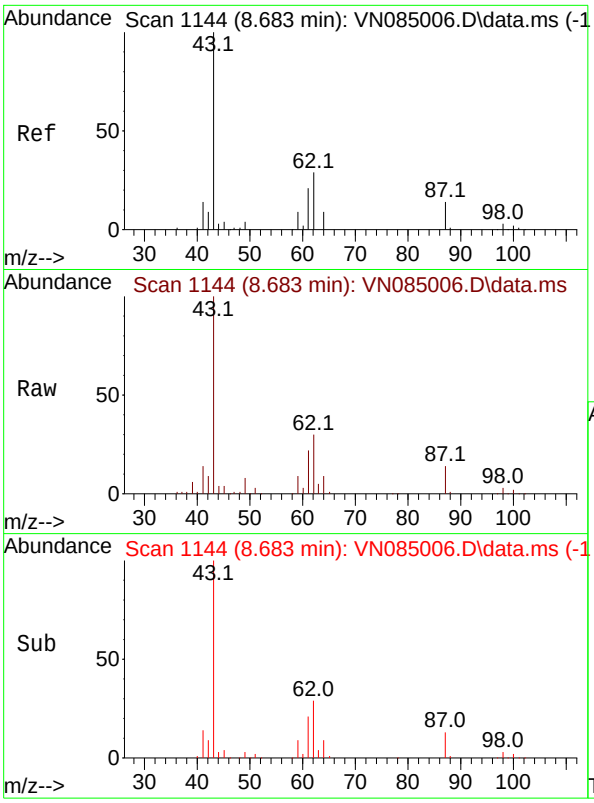


#42
1,2-Dichloroethane
Concen: 48.616 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 62 Resp: 130440

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2



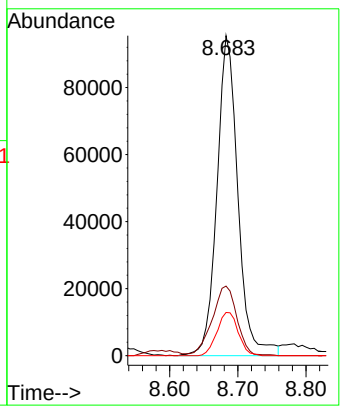


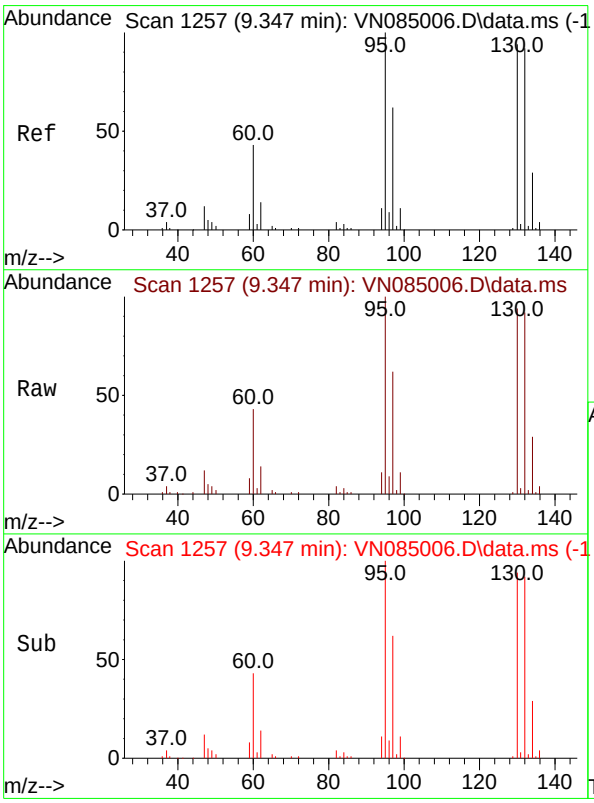
#43
Isopropyl Acetate
Concen: 43.670 ug/l
RT: 8.683 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 204483

Ion	Ratio	Lower	Upper
43	100		
61	25.7	20.6	30.8
87	13.7	11.0	16.4

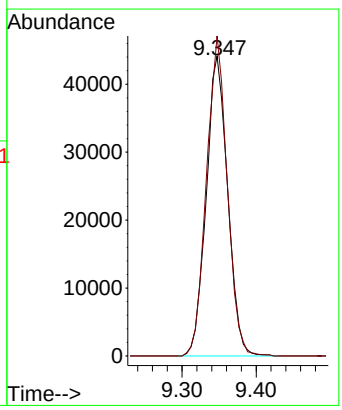


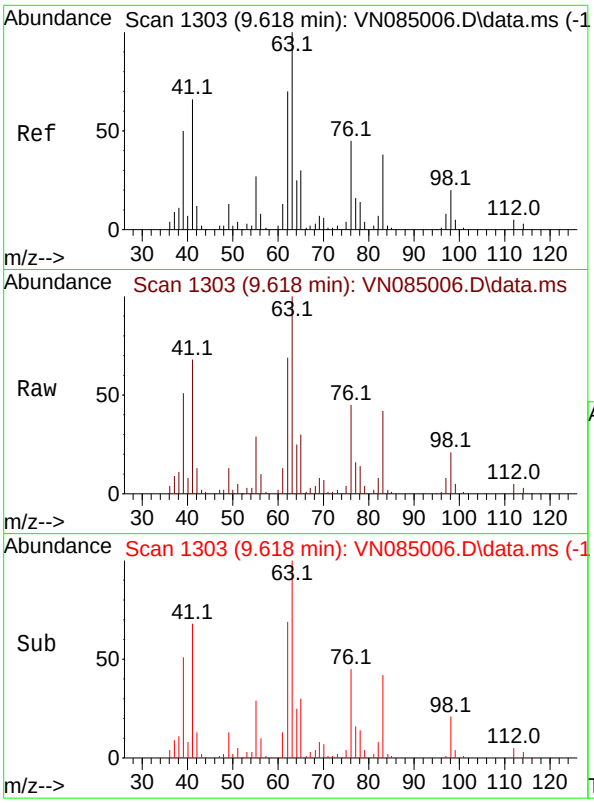


#44
Trichloroethene
Concen: 48.692 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:130 Resp: 88746

Ion	Ratio	Lower	Upper
130	100		
95	106.7	0.0	213.4



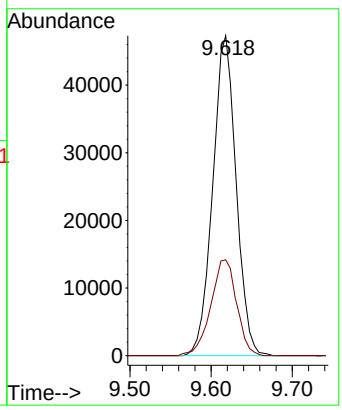


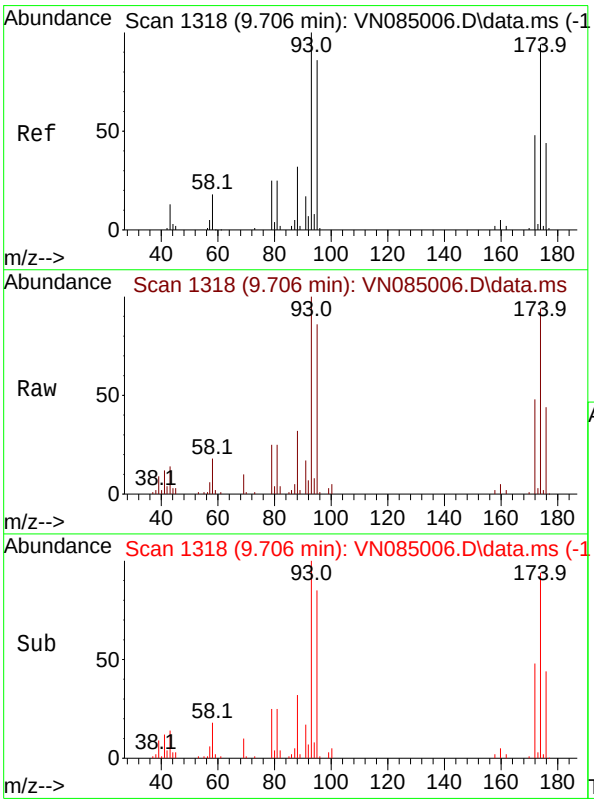
#45
1,2-Dichloropropane
Concen: 49.013 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 94677

Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.0	36.0

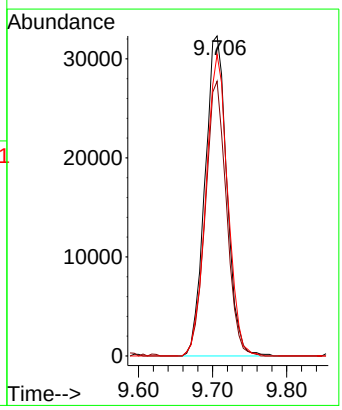


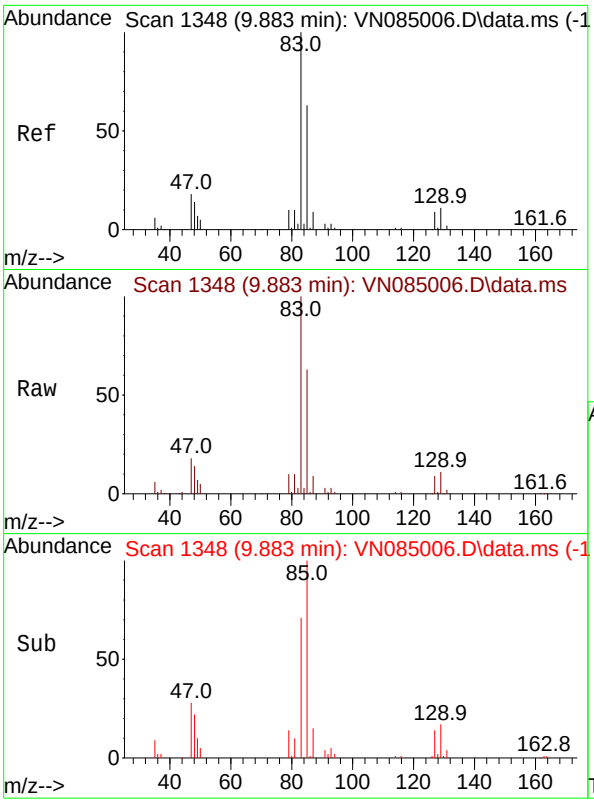


#46
Dibromomethane
Concen: 49.447 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 93 Resp: 66370

Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.2	99.4
174	93.6	74.9	112.3



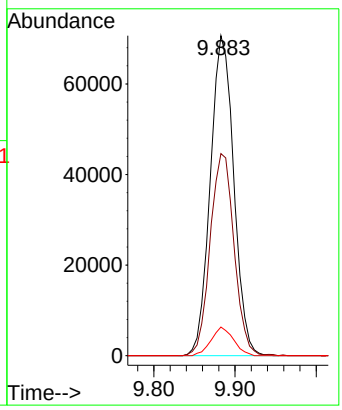


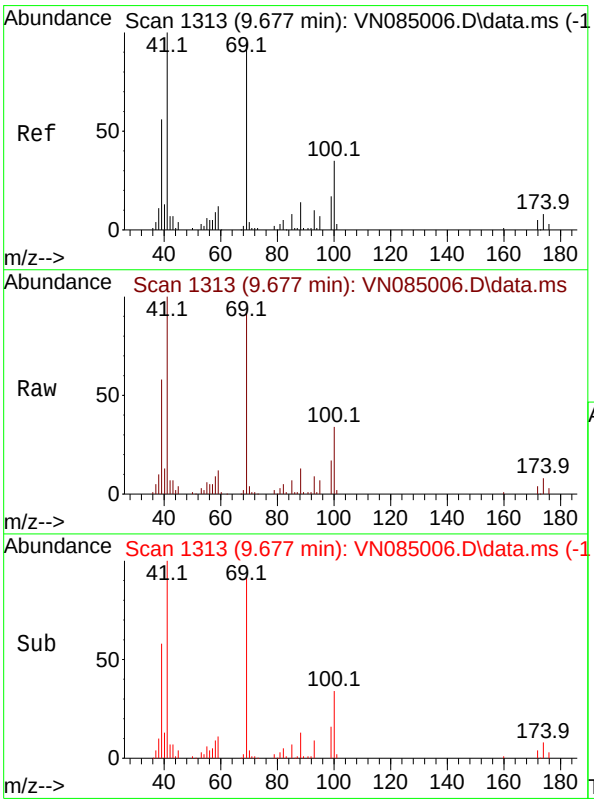
#47
Bromodichloromethane
Concen: 49.849 ug/l
RT: 9.883 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 141808

Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.5	75.7
127	8.9	7.1	10.7

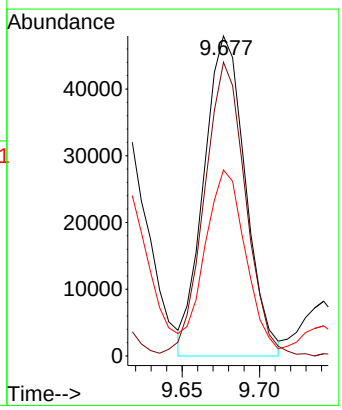


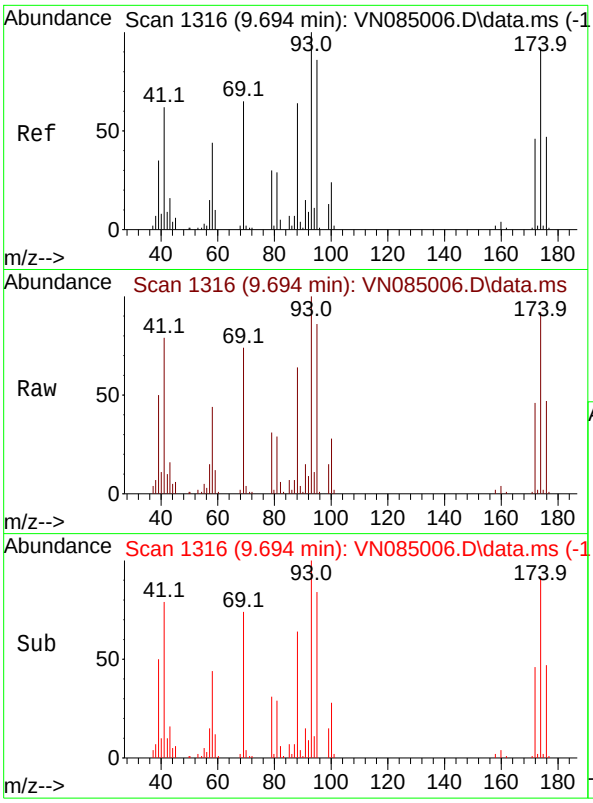


#48
Methyl methacrylate
Concen: 51.193 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 41 Resp: 89202

Ion	Ratio	Lower	Upper
41	100		
69	91.5	73.2	109.8
39	57.8	46.2	69.4



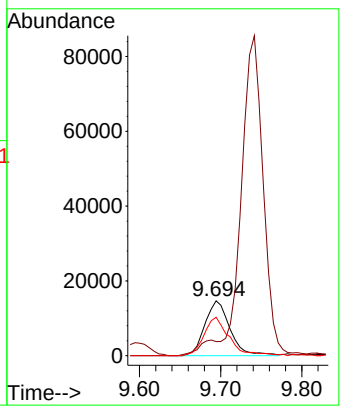


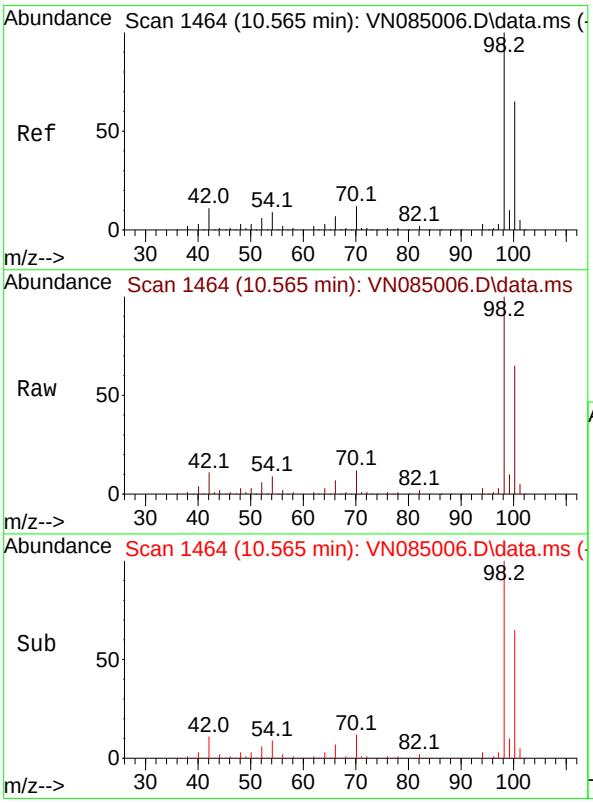
#49
1,4-Dioxane
Concen: 1044.331 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 31557

Ion	Ratio	Lower	Upper
88	100		
43	20.9	16.7	25.1
58	70.6	56.5	84.7

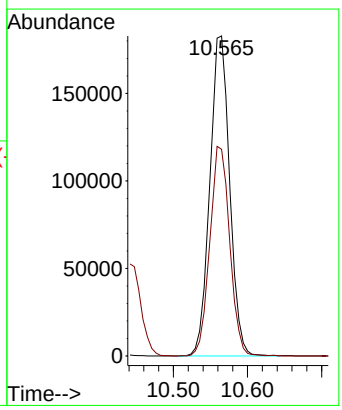


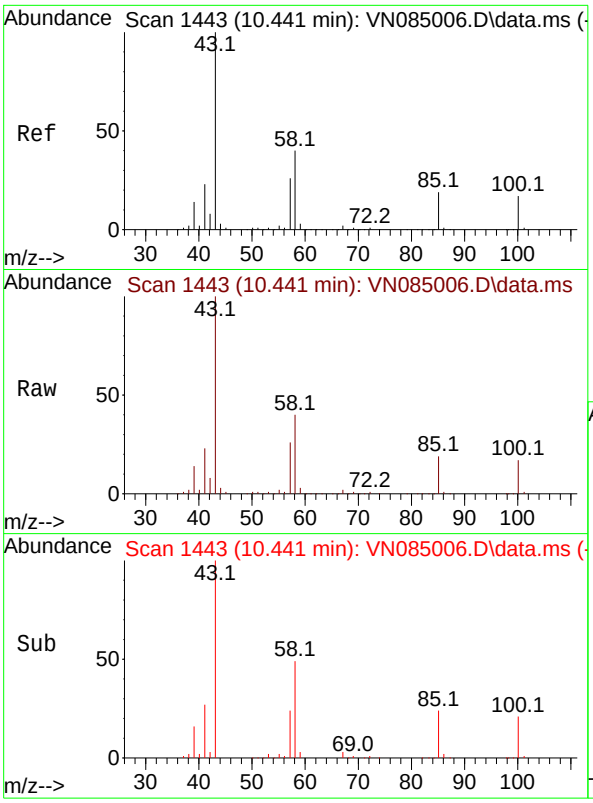


#50
Toluene-d8
Concen: 51.662 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 98 Resp: 338938

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.5	78.7



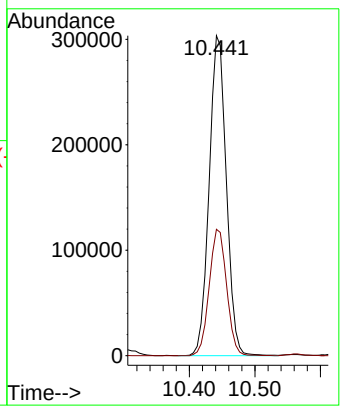


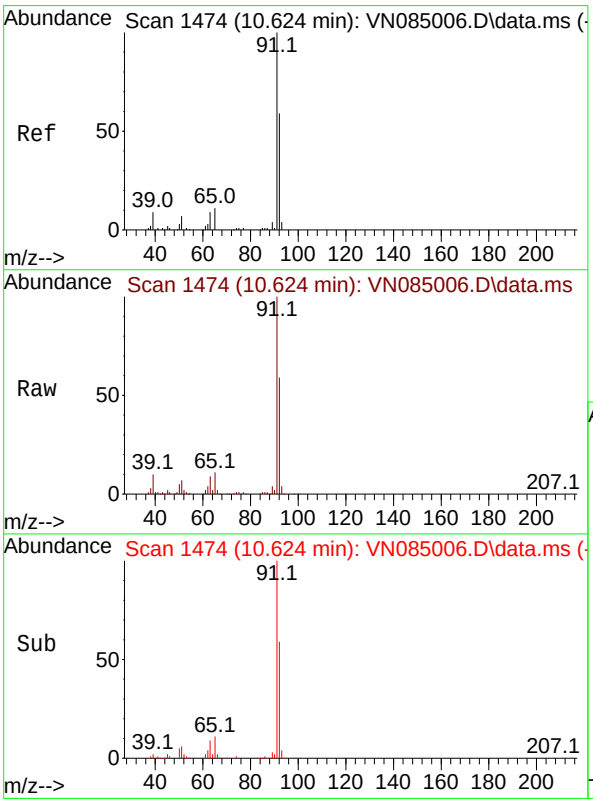
#51
4-Methyl-2-Pentanone
Concen: 257.854 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 551484

Ion	Ratio	Lower	Upper
43	100		
58	40.1	32.1	48.1

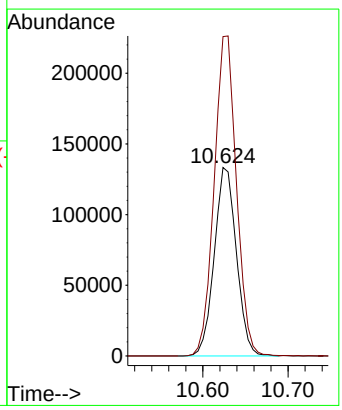


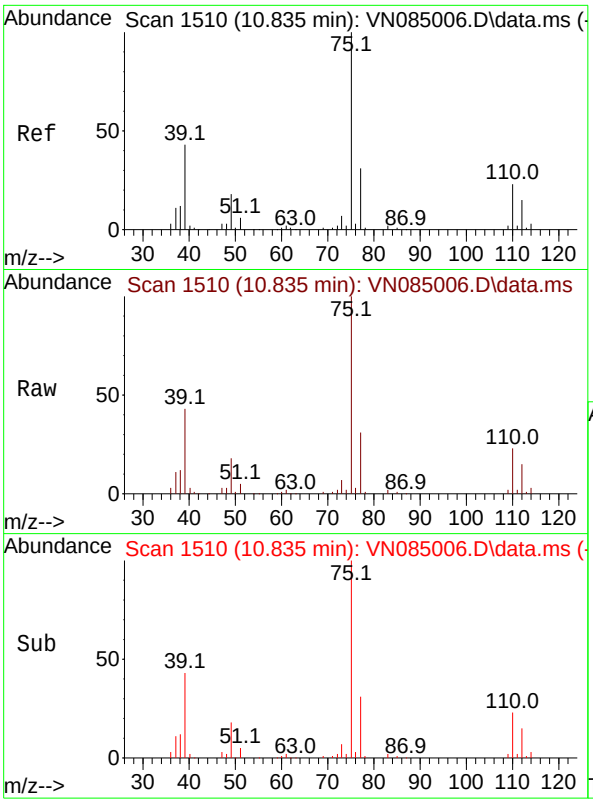


#52
Toluene
Concen: 51.850 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 92 Resp: 240730

Ion	Ratio	Lower	Upper
92	100		
91	170.9	136.7	205.1



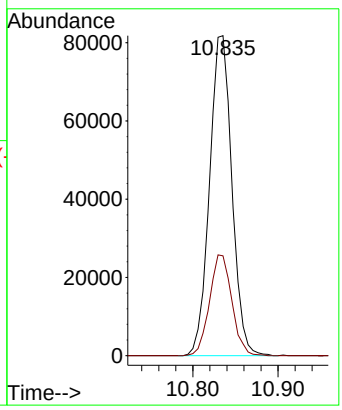


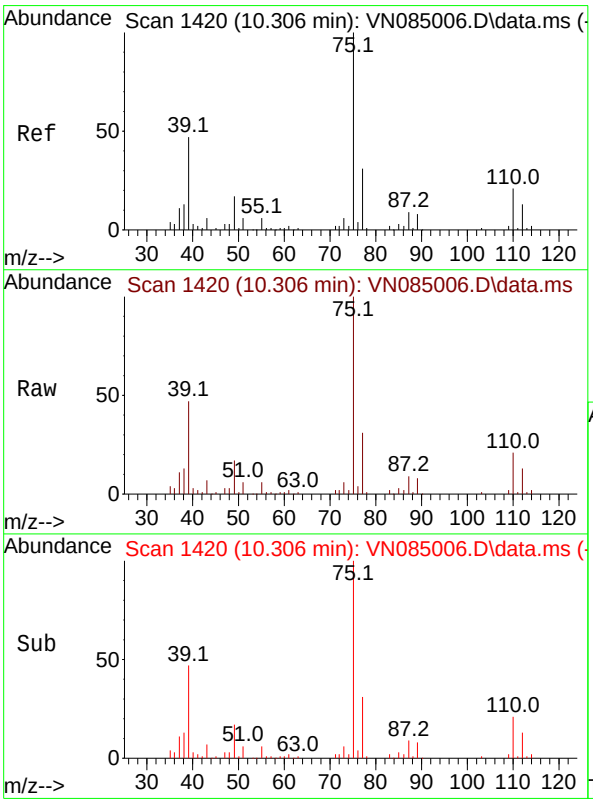
#53
t-1,3-Dichloropropene
Concen: 52.241 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 148995

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4

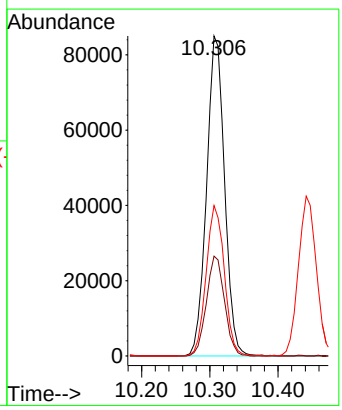


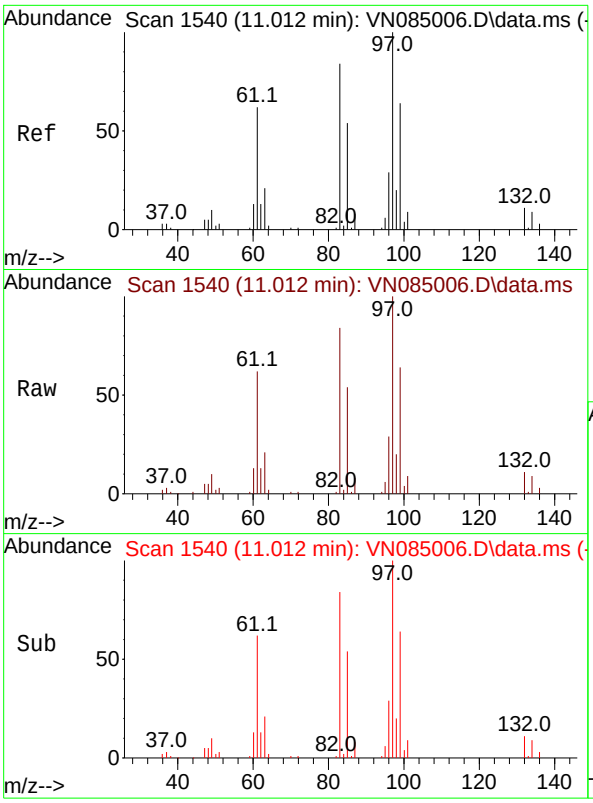


#54
cis-1,3-Dichloropropene
Concen: 51.671 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 75 Resp: 156342

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4
39	47.0	37.6	56.4



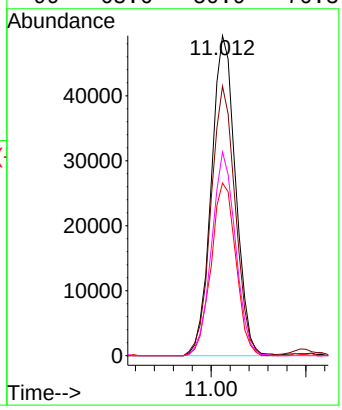


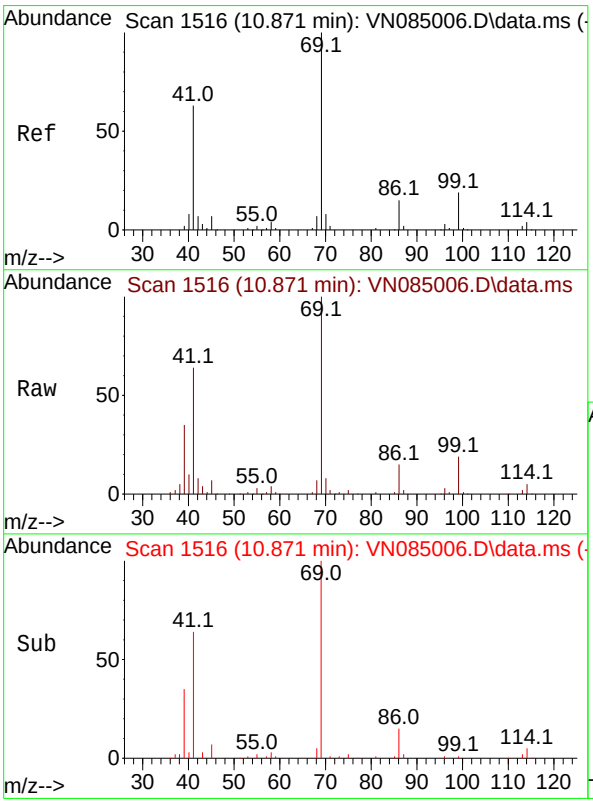
#55
1,1,2-Trichloroethane
Concen: 50.501 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 87334

Ion	Ratio	Lower	Upper
97	100		
83	84.3	67.4	101.2
85	53.9	43.1	64.7
99	63.6	50.9	76.3

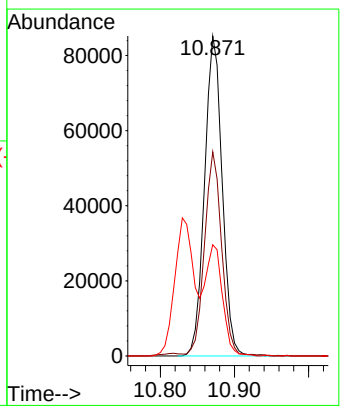


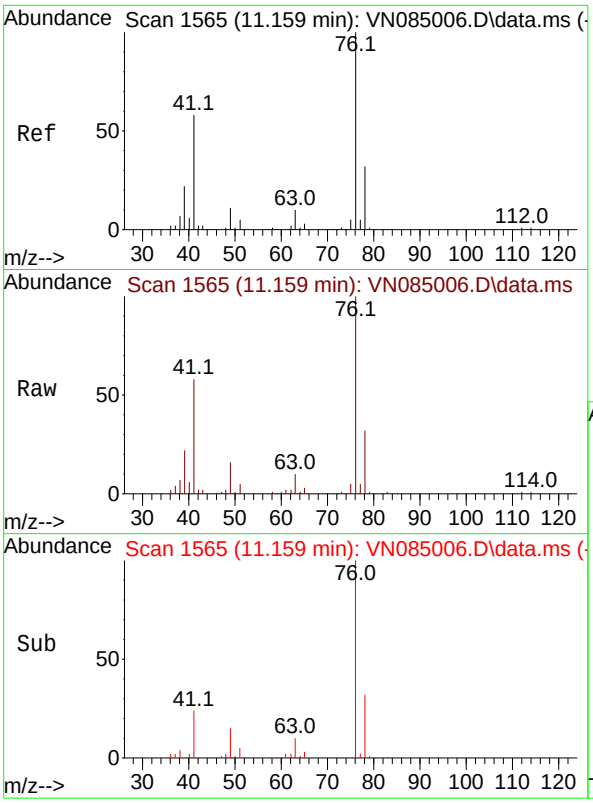


#56
Ethyl methacrylate
Concen: 55.617 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 69 Resp: 140546

Ion	Ratio	Lower	Upper
69	100		
41	62.5	50.0	75.0
39	33.8	27.0	40.6



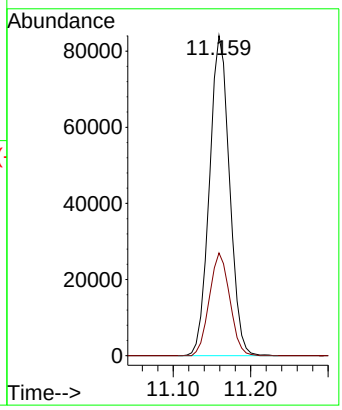


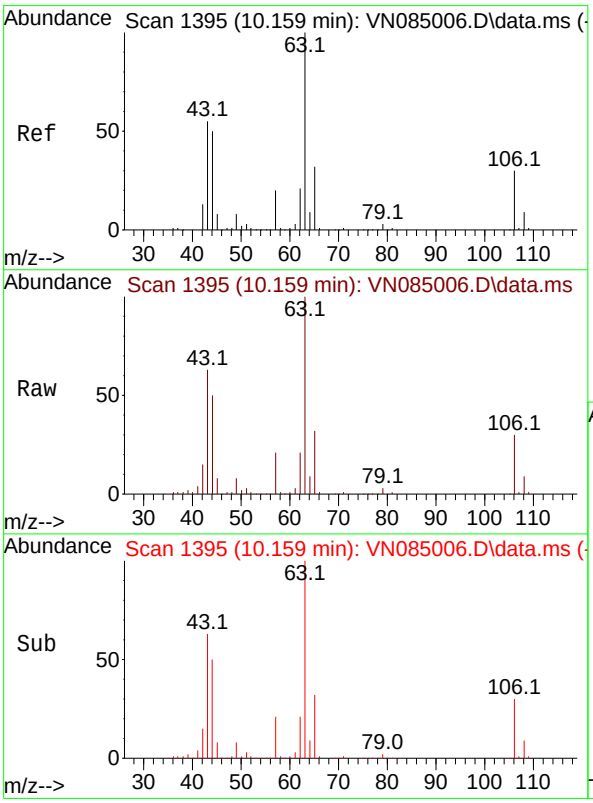
#57
1,3-Dichloropropane
Concen: 49.800 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 151573

Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.1	39.1

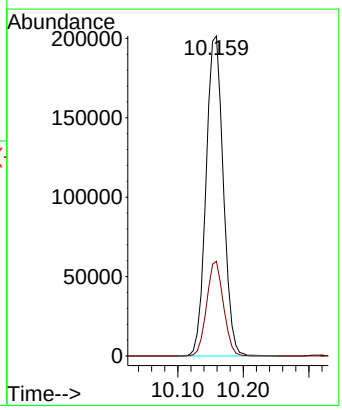


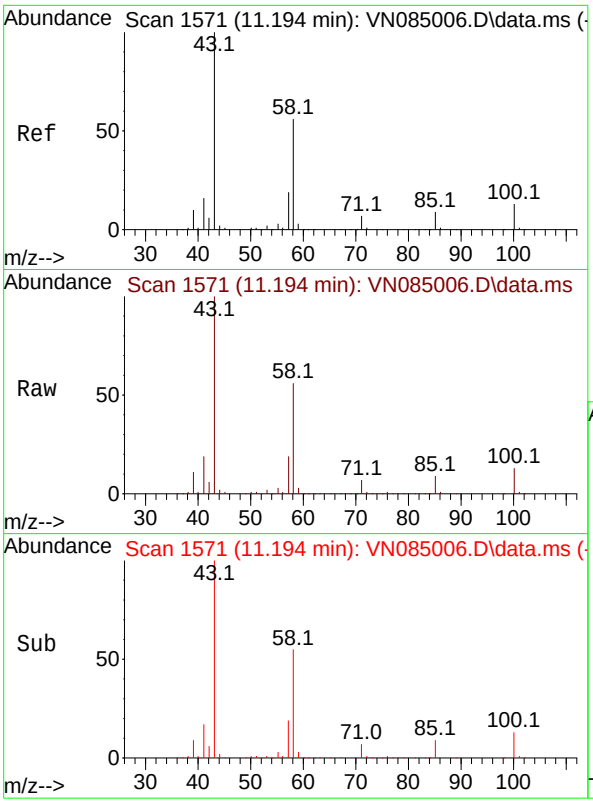


#58
2-Chloroethyl Vinyl ether
Concen: 297.030 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 63 Resp: 368190

Ion	Ratio	Lower	Upper
63	100		
106	28.8	23.0	34.6



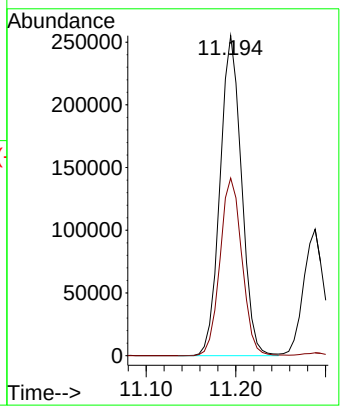


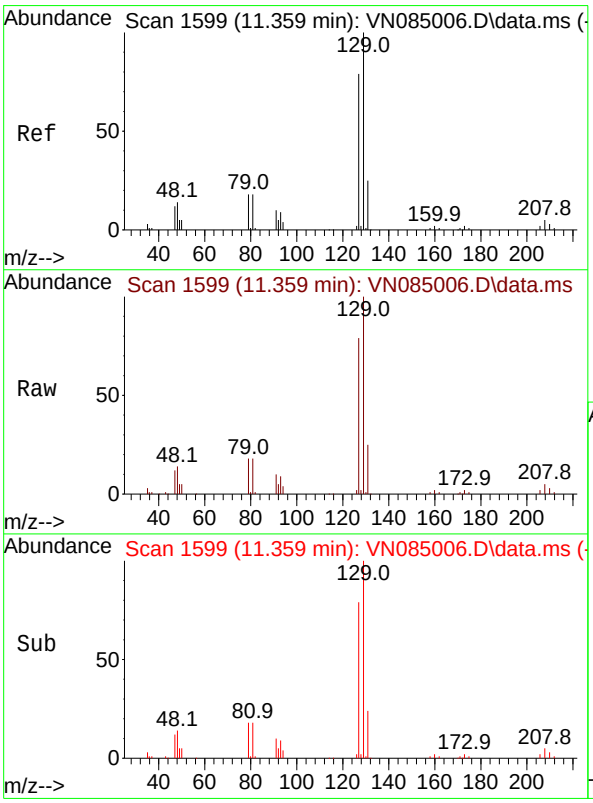
#59
2-Hexanone
Concen: 265.165 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 424152

Ion	Ratio	Lower	Upper
43	100		
58	56.7	28.3	85.0

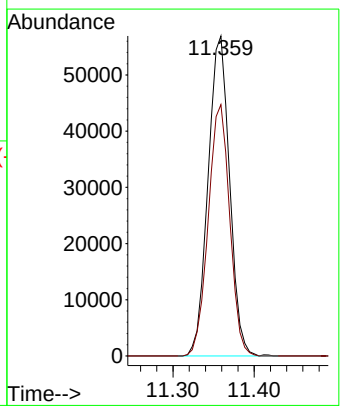


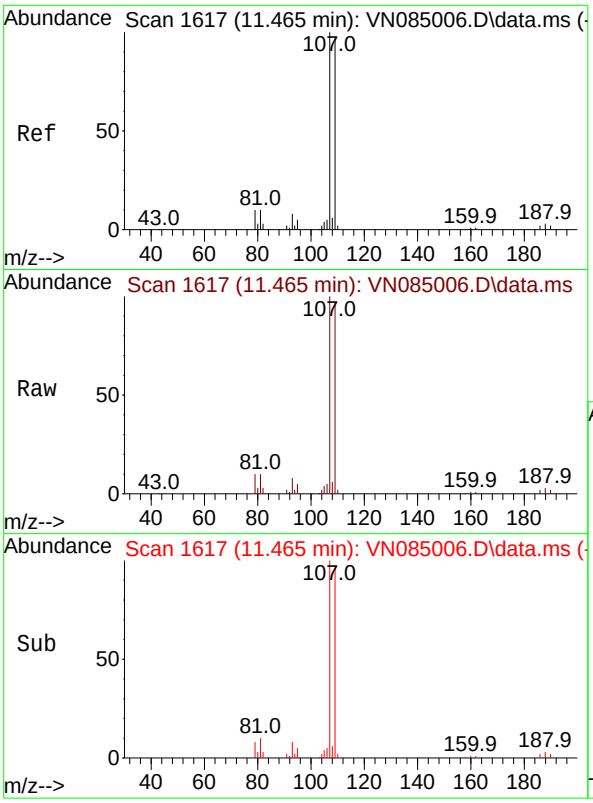


#60
Dibromochloromethane
Concen: 49.538 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:129 Resp: 104699

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.2	117.6



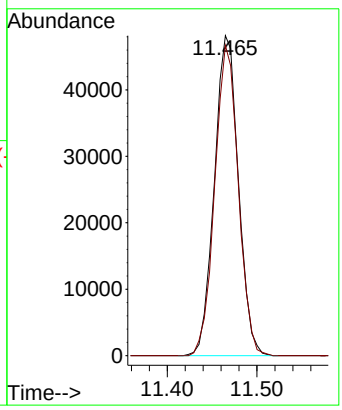


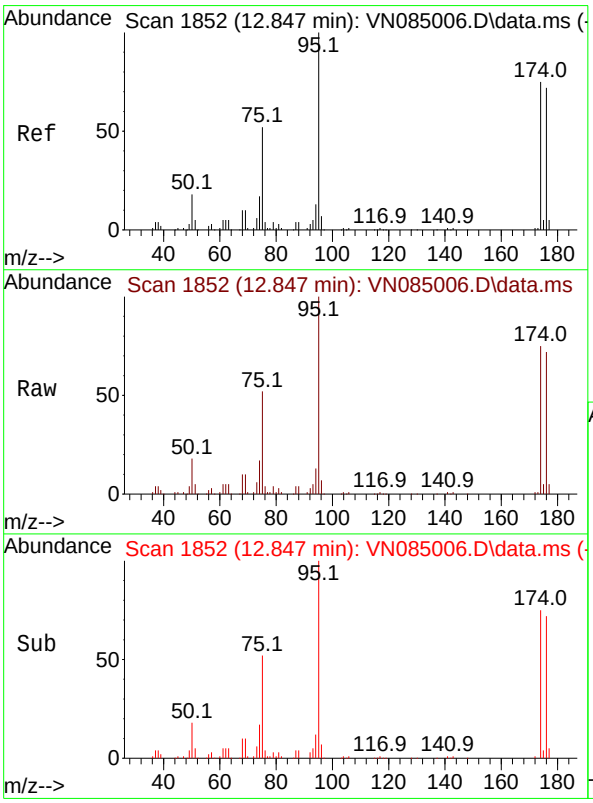
#61
1,2-Dibromoethane
Concen: 49.991 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 89471

Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.1	114.1

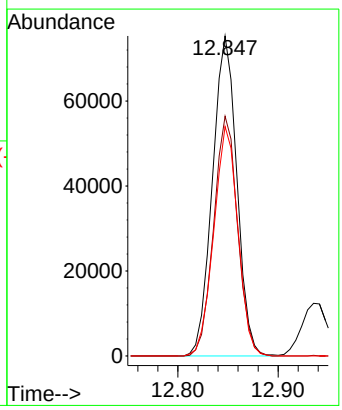


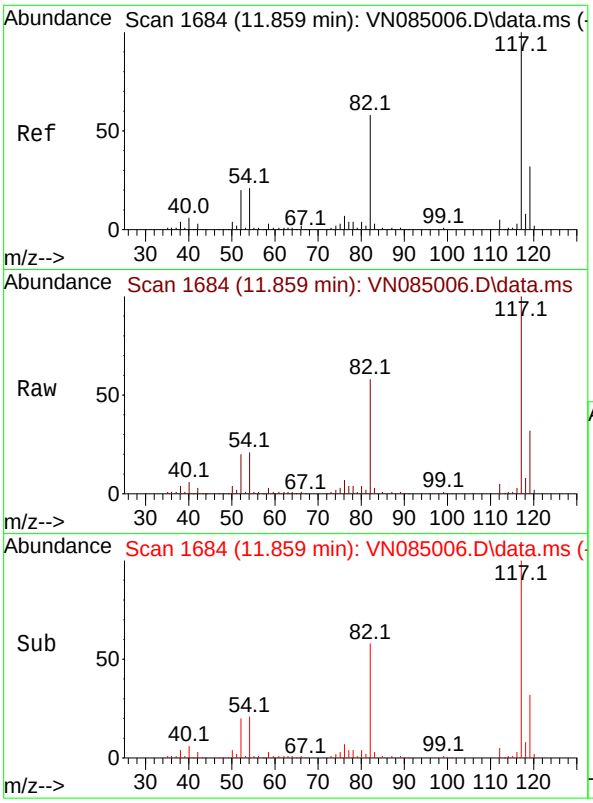


#62
4-Bromofluorobenzene
Concen: 51.698 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 95 Resp: 126840

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	146.6
176	70.9	0.0	141.8



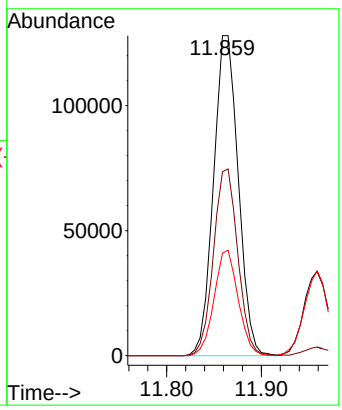


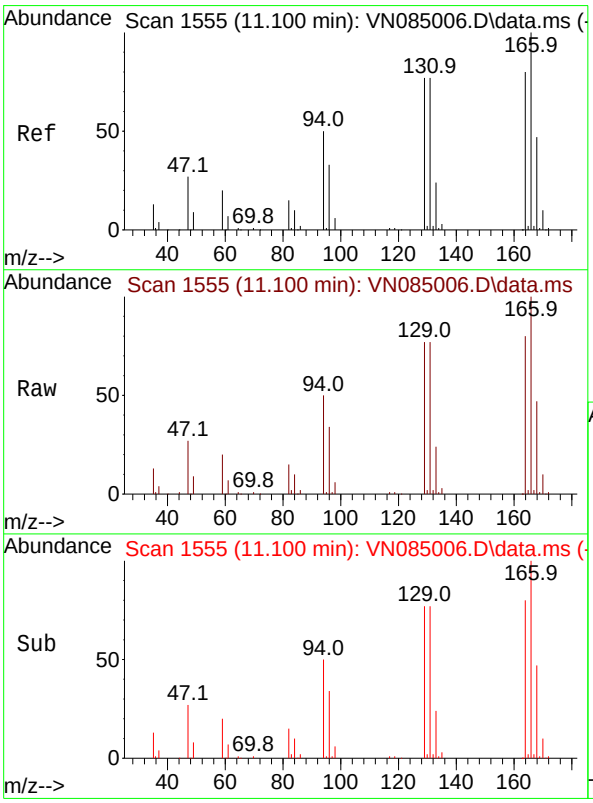
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 232158

Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.0	69.0
119	32.0	25.6	38.4

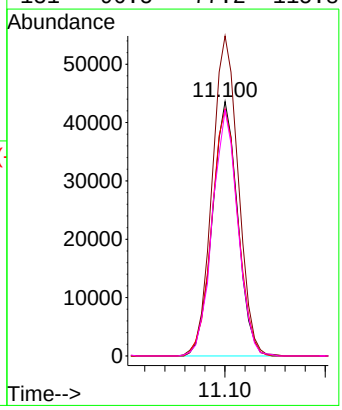


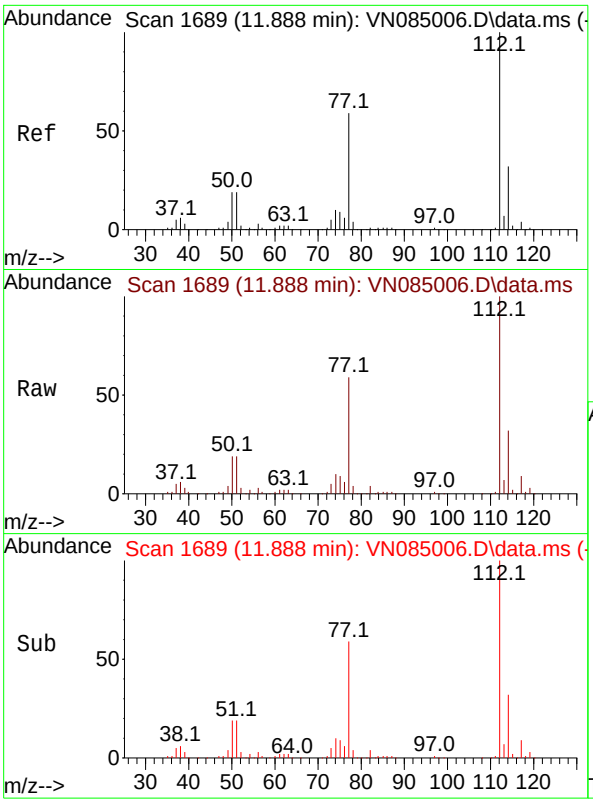


#64
Tetrachloroethene
Concen: 48.747 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:164 Resp: 76257

Ion	Ratio	Lower	Upper
164	100		
166	125.8	100.6	151.0
129	97.1	77.7	116.5
131	96.5	77.2	115.8



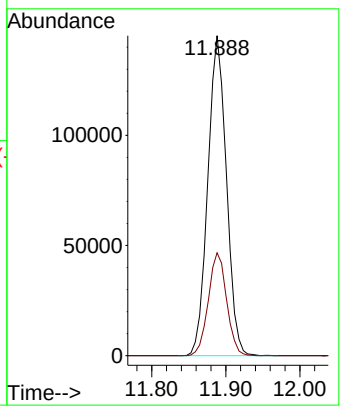


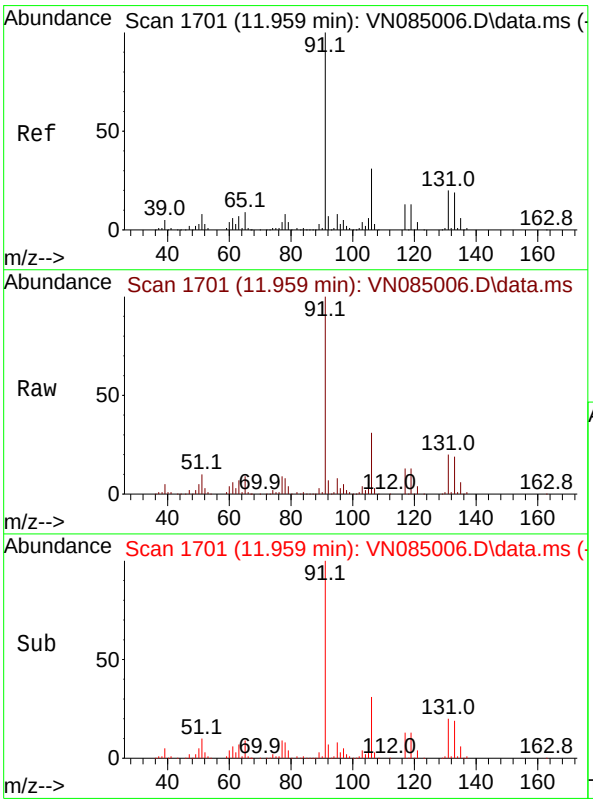
#65
Chlorobenzene
Concen: 48.041 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 252937

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.8	38.6

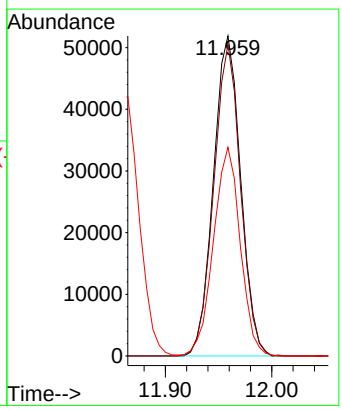


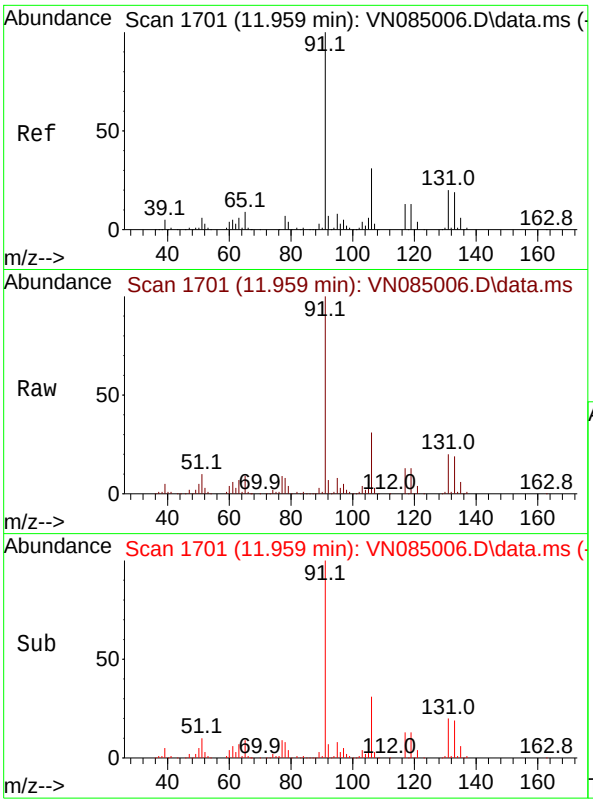


#66
1,1,1,2-Tetrachloroethane
Concen: 49.785 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:131 Resp: 92289

Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.8	143.4
119	64.2	32.1	96.3



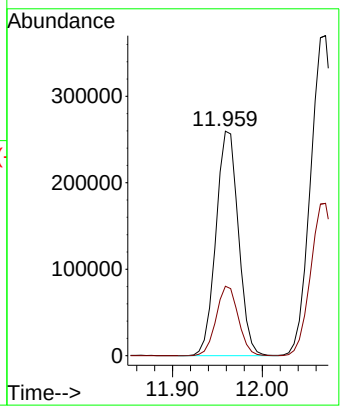


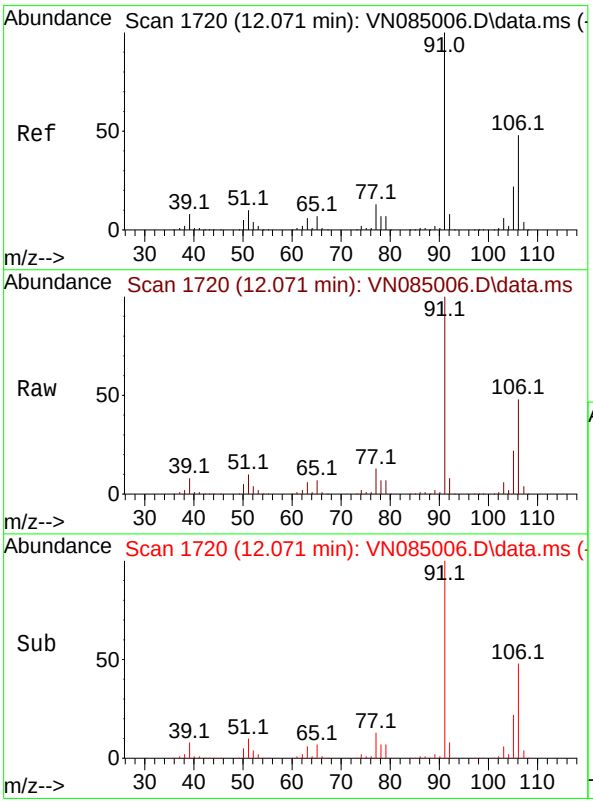
#67
Ethyl Benzene
Concen: 52.856 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 451491

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.7	37.1

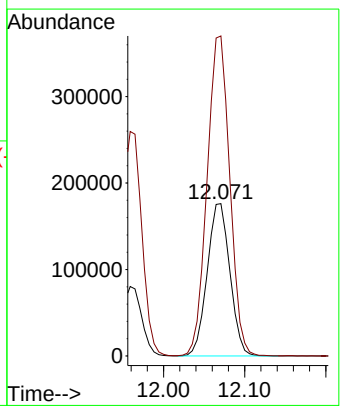


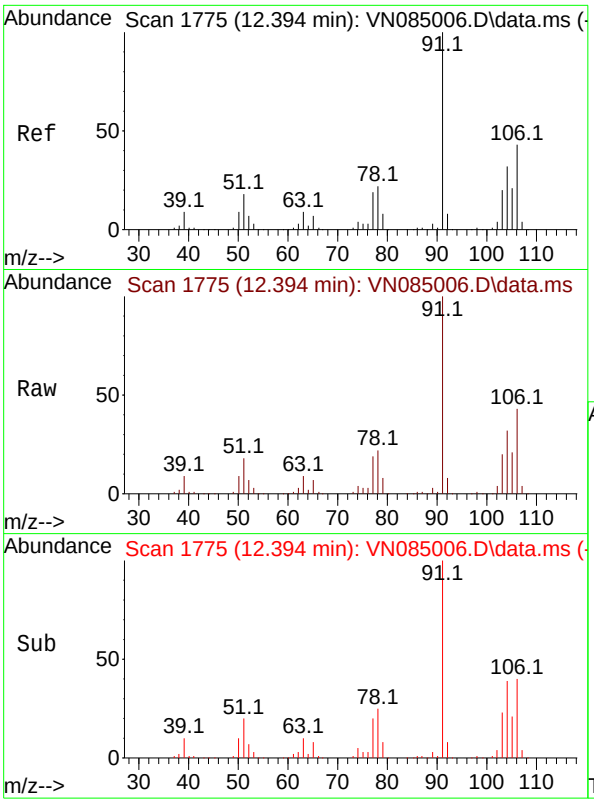


#68
m/p-Xylenes
Concen: 105.174 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:106 Resp: 342033

Ion	Ratio	Lower	Upper
106	100		
91	210.0	168.0	252.0



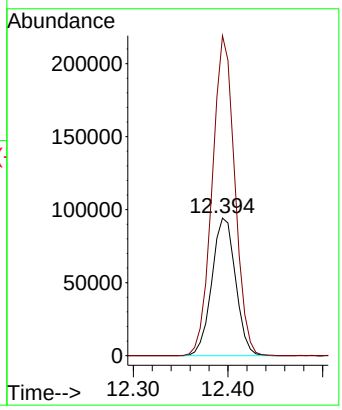


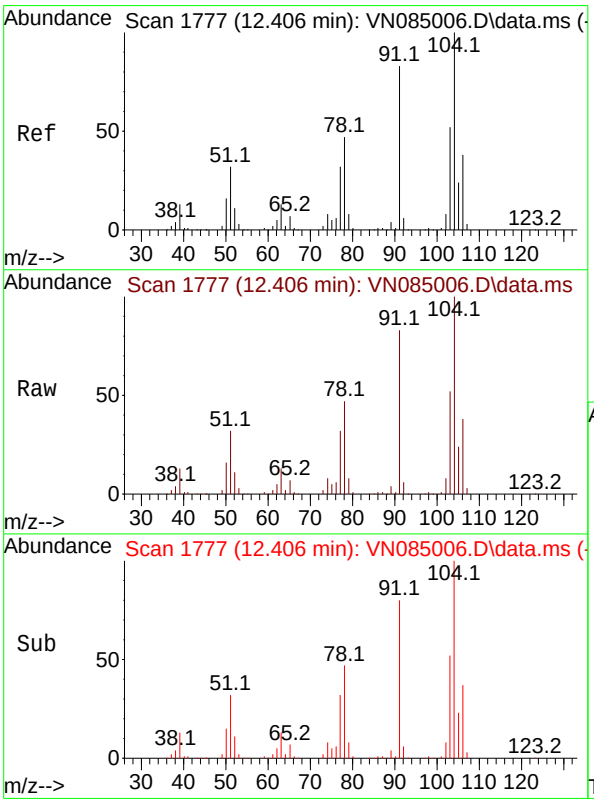
#69
o-Xylene
Concen: 53.059 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 164137

Ion	Ratio	Lower	Upper
106	100		
91	221.3	110.7	331.9

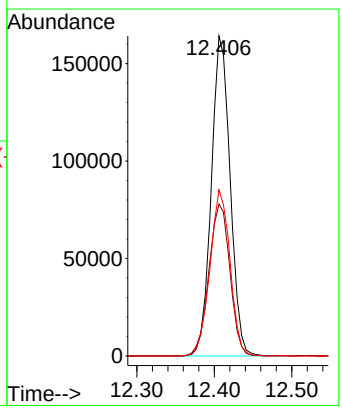


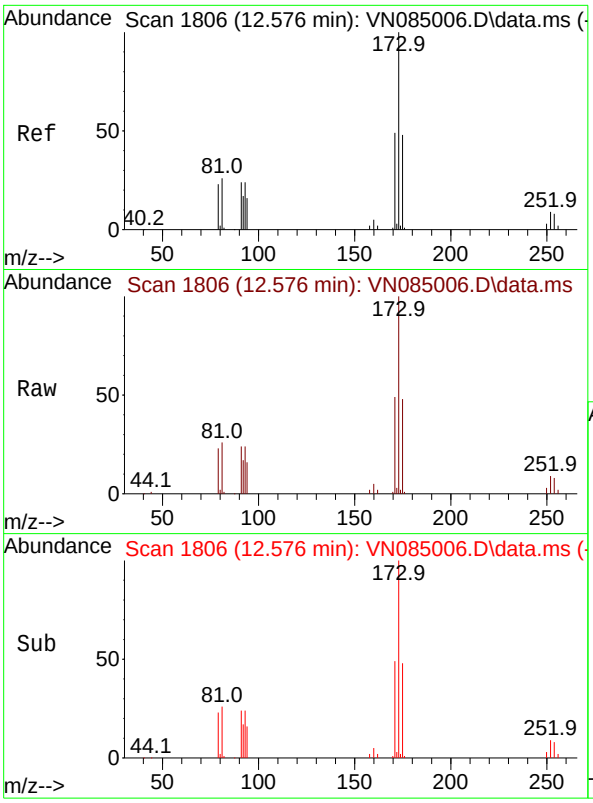


#70
Styrene
Concen: 53.912 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:104 Resp: 277349

Ion	Ratio	Lower	Upper
104	100		
78	52.9	42.3	63.5
103	55.2	44.2	66.2



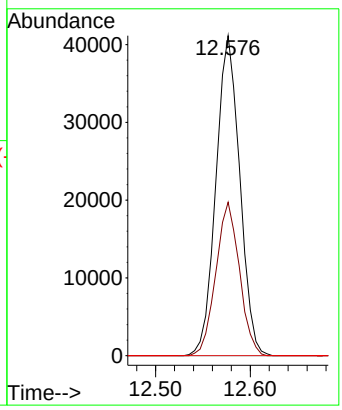


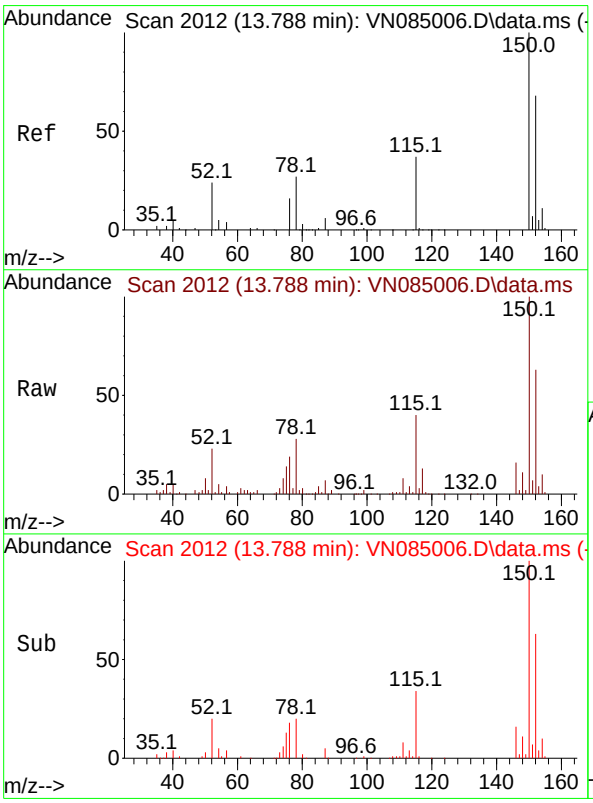
#71
Bromoform
Concen: 52.221 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 71858

Ion	Ratio	Lower	Upper
173	100		
175	47.5	23.8	71.2
254	0.0	0.0	0.0

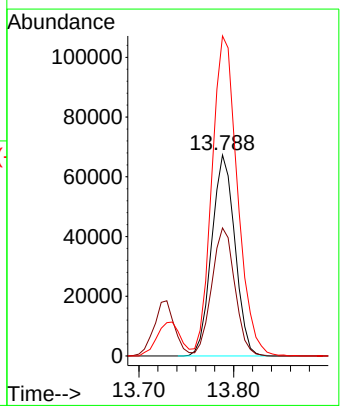


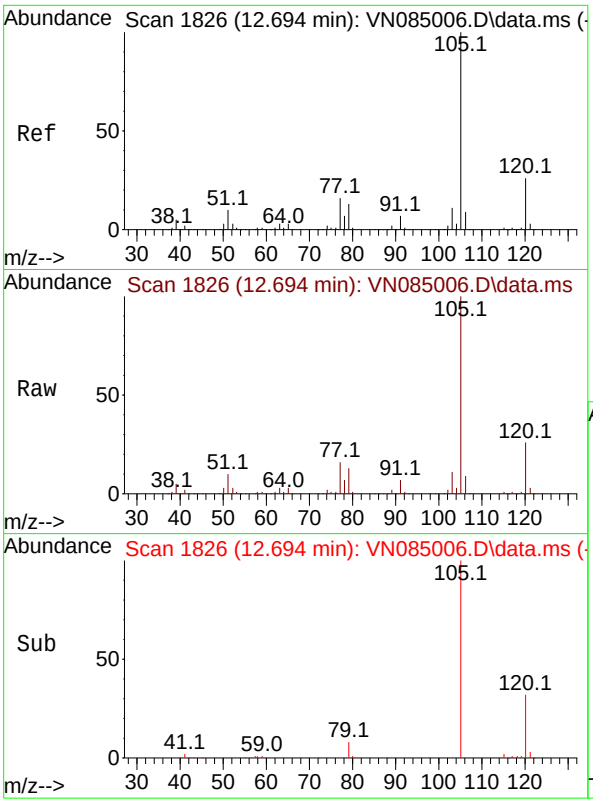


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:152 Resp: 114469

Ion	Ratio	Lower	Upper
152	100		
115	63.4	31.7	95.1
150	175.7	0.0	351.4



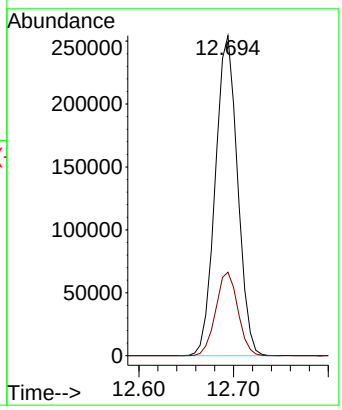


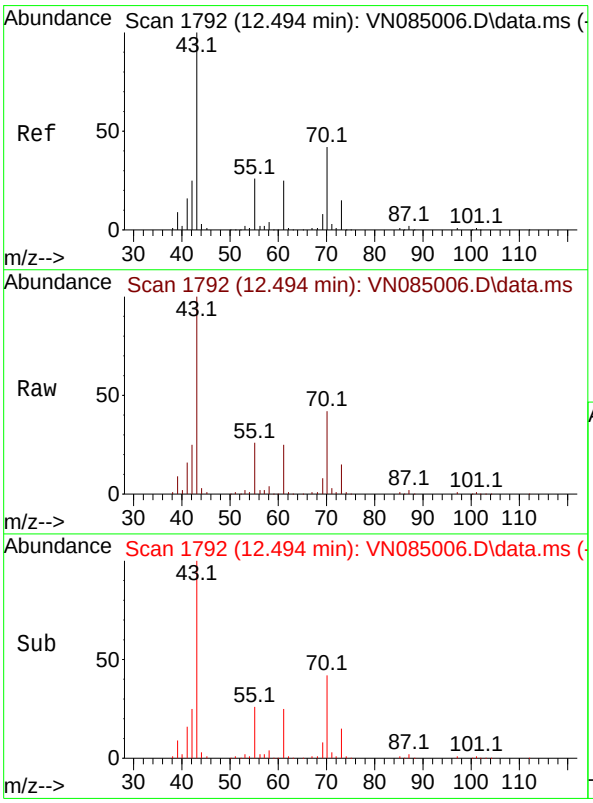
#73
Isopropylbenzene
Concen: 51.479 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 415716

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	39.0

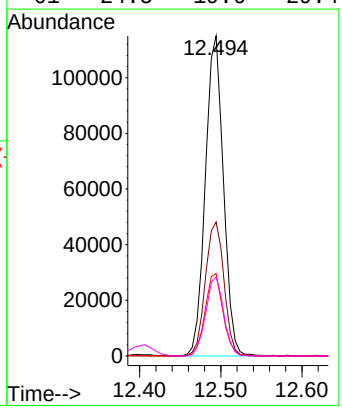


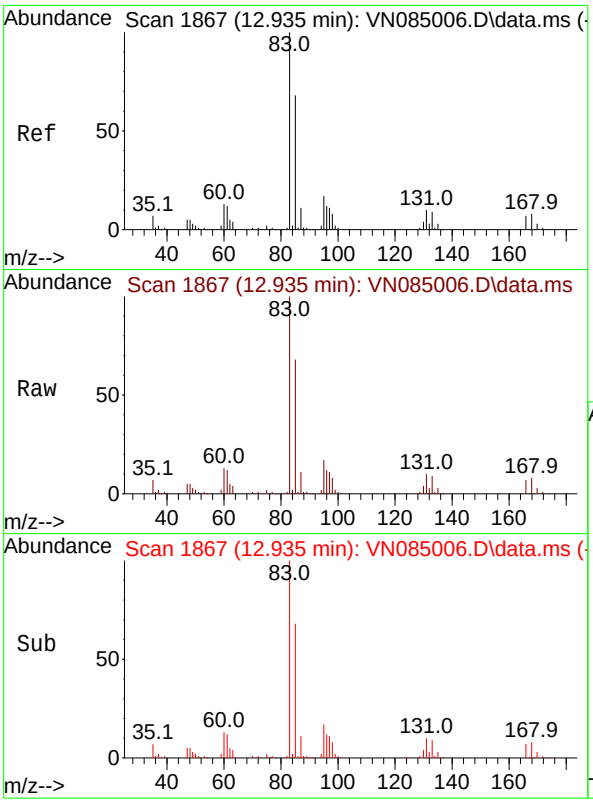


#74
N-amyl acetate
Concen: 53.396 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 43 Resp: 177685

Ion	Ratio	Lower	Upper
43	100		
70	43.2	34.6	51.8
55	25.6	20.5	30.7
61	24.5	19.6	29.4



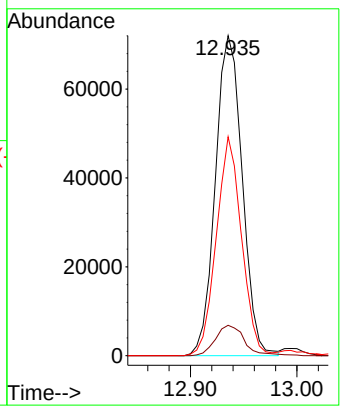


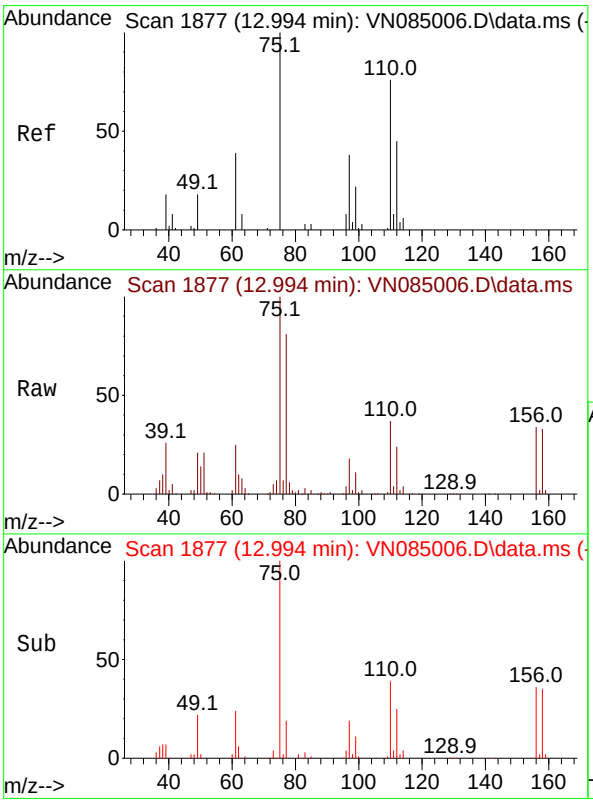
#75
1,1,2,2-Tetrachloroethane
Concen: 45.771 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 126215

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.4
85	64.2	32.1	96.3

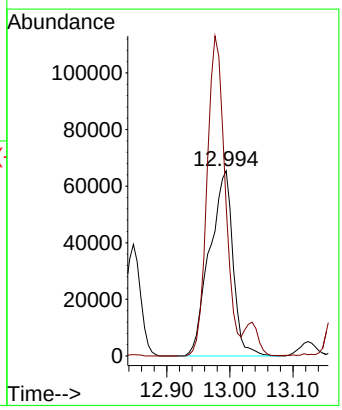


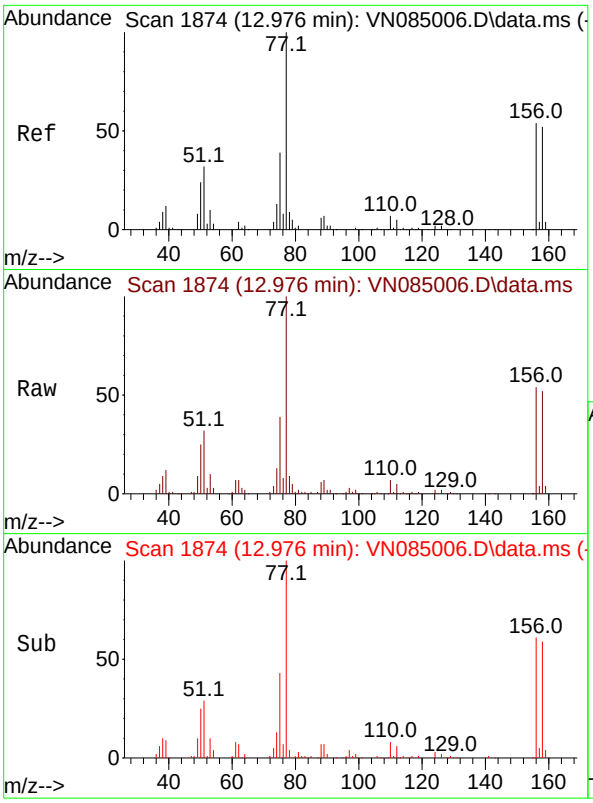


#76
1,2,3-Trichloropropane
Concen: 78.620 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 75 Resp: 168352

Ion	Ratio	Lower	Upper
75	100		
77	133.9	109.1	327.4



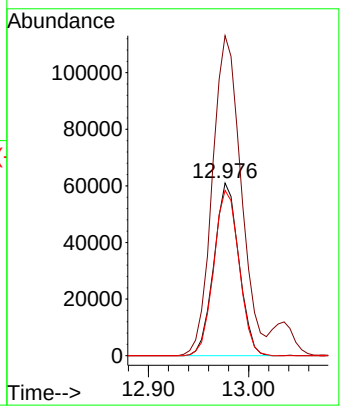


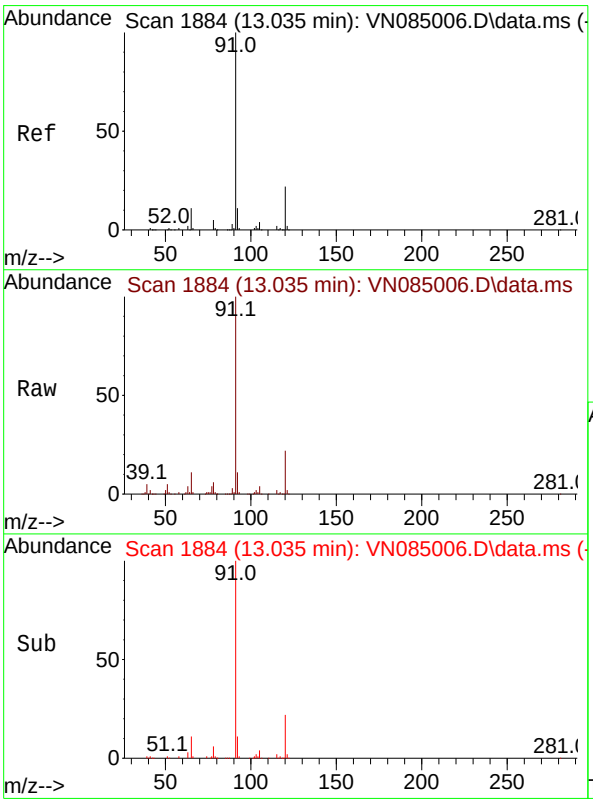
#77
Bromobenzene
Concen: 48.402 ug/l
RT: 12.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 105184

Ion	Ratio	Lower	Upper
156	100		
77	214.4	107.2	321.6
158	97.1	48.5	145.6

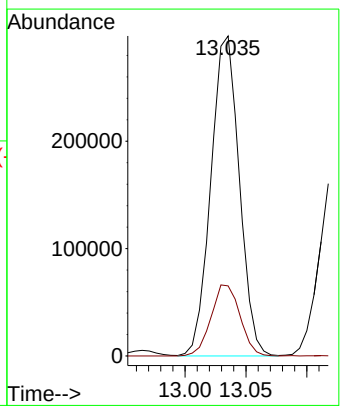


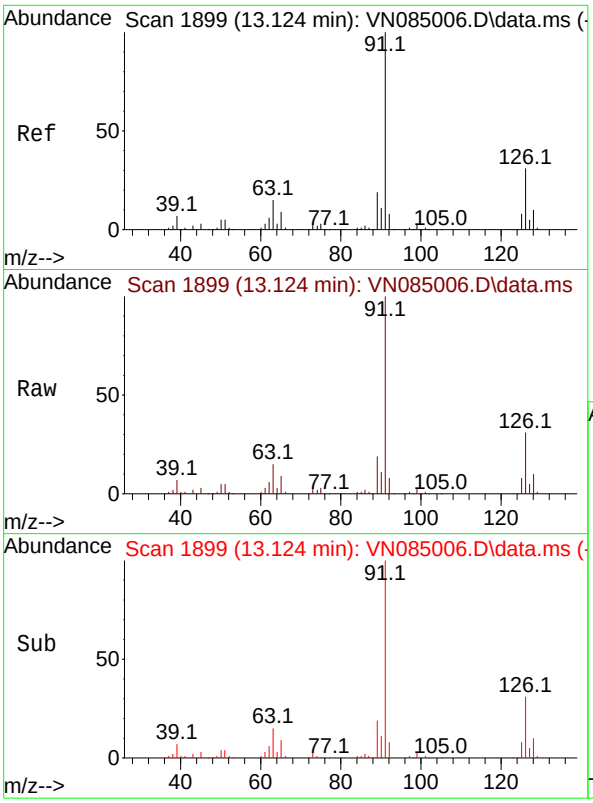


#78
n-propylbenzene
Concen: 52.059 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 91 Resp: 484892

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.3	33.9



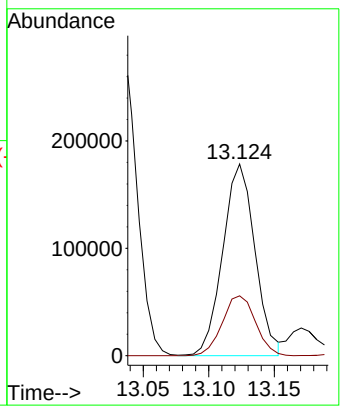


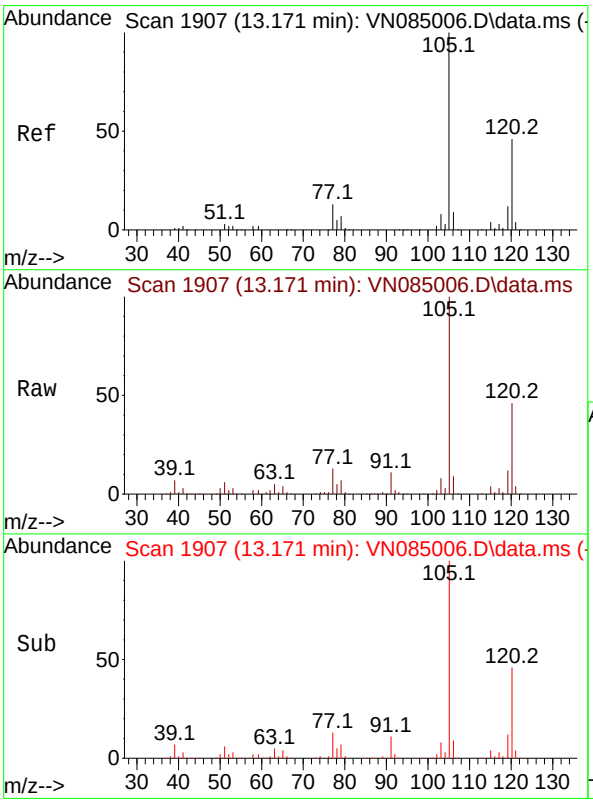
#79
2-Chlorotoluene
Concen: 49.174 ug/l
RT: 13.124 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 305747

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.3

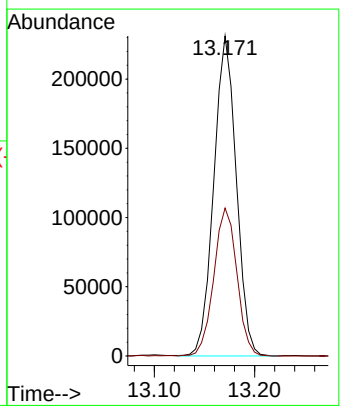


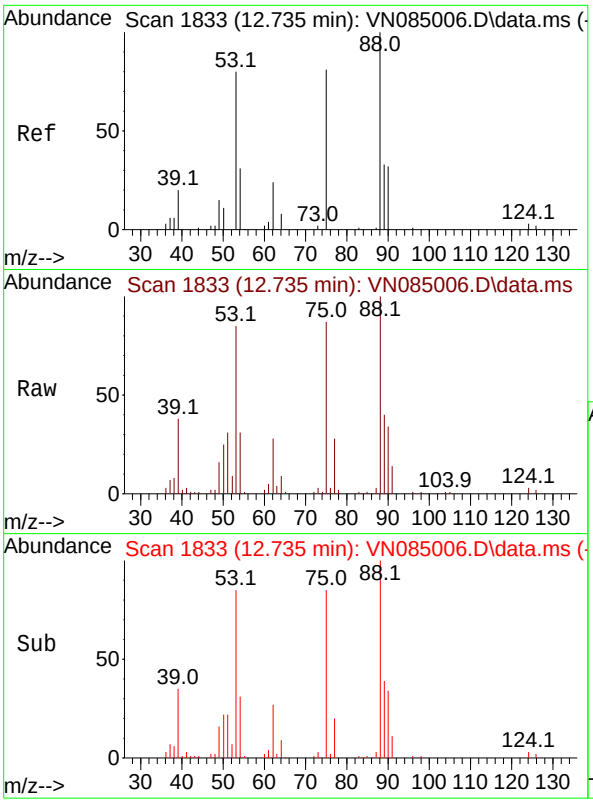


#80
1,3,5-Trimethylbenzene
Concen: 53.145 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:105 Resp: 360125

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.6	71.0



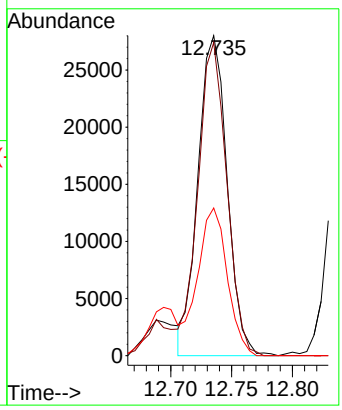


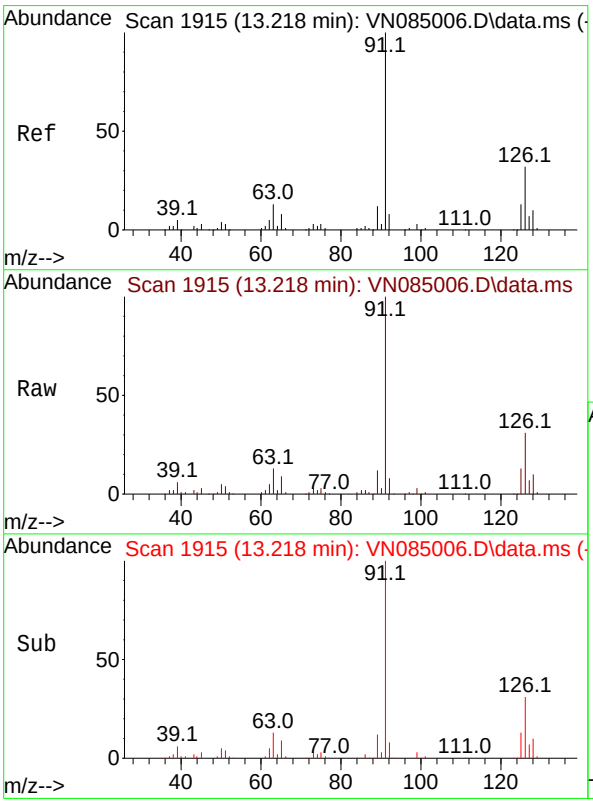
#81
trans-1,4-Dichloro-2-butene
Concen: 50.990 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 46724

Ion	Ratio	Lower	Upper
75	100		
53	97.8	78.2	117.4
89	47.4	37.9	56.9

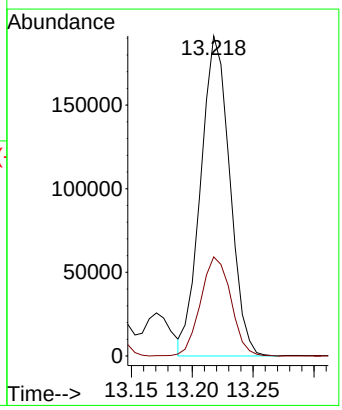


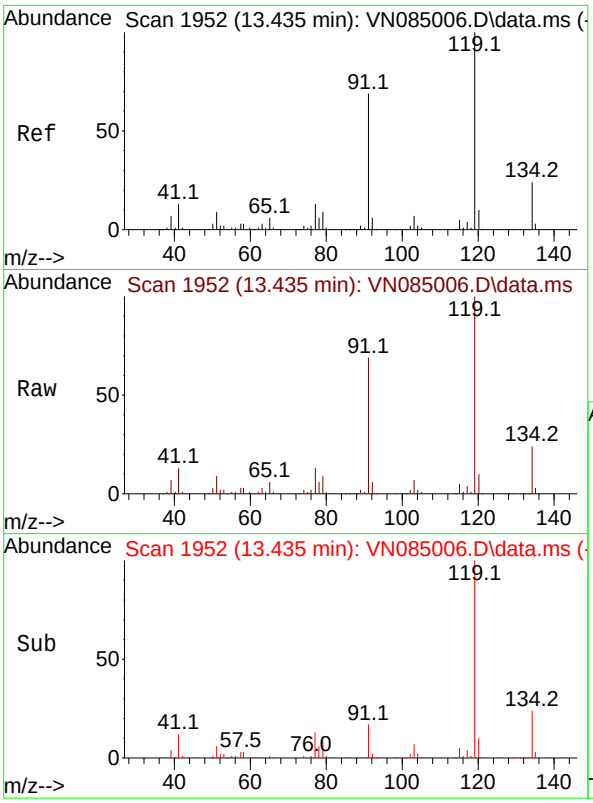


#82
4-Chlorotoluene
Concen: 49.063 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 91 Resp: 317569

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.3



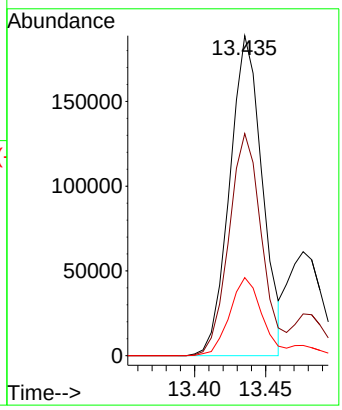


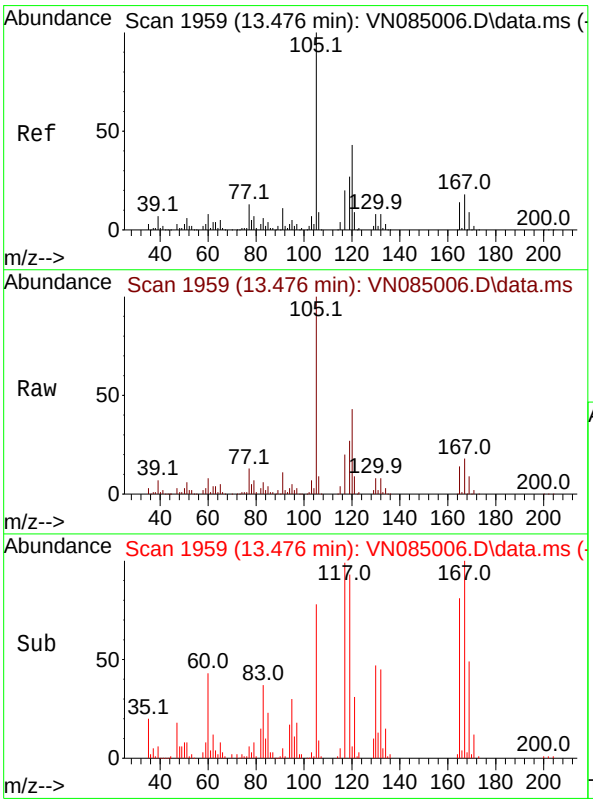
#83
tert-Butylbenzene
Concen: 51.657 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 301180

Ion	Ratio	Lower	Upper
119	100		
91	70.3	35.1	105.5
134	24.2	12.1	36.3

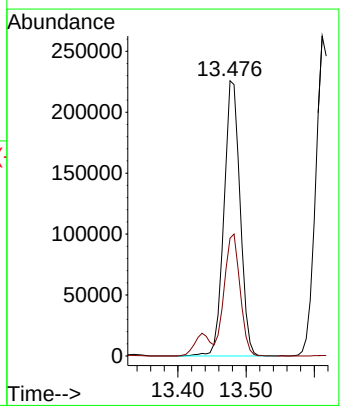


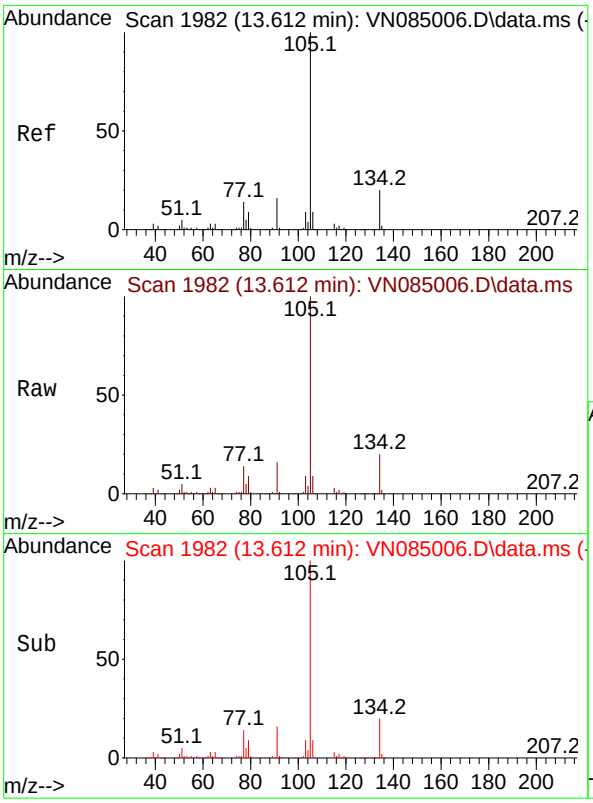


#84
1,2,4-Trimethylbenzene
Concen: 53.195 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:105 Resp: 371046

Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.8	65.4



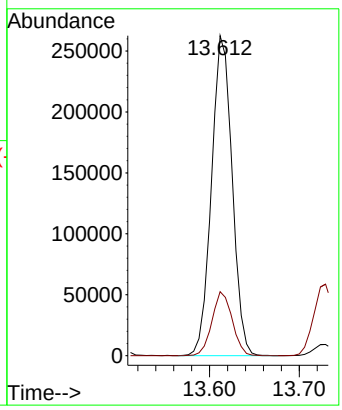


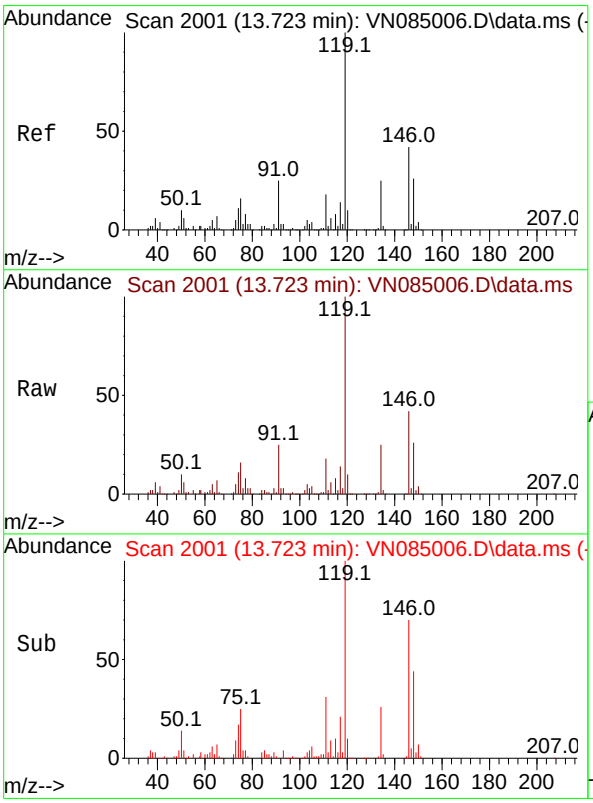
#85
sec-Butylbenzene
Concen: 53.296 ug/l
RT: 13.612 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 419761

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.3

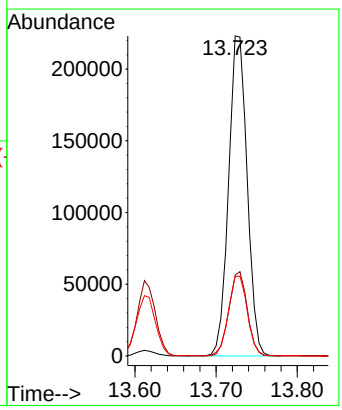


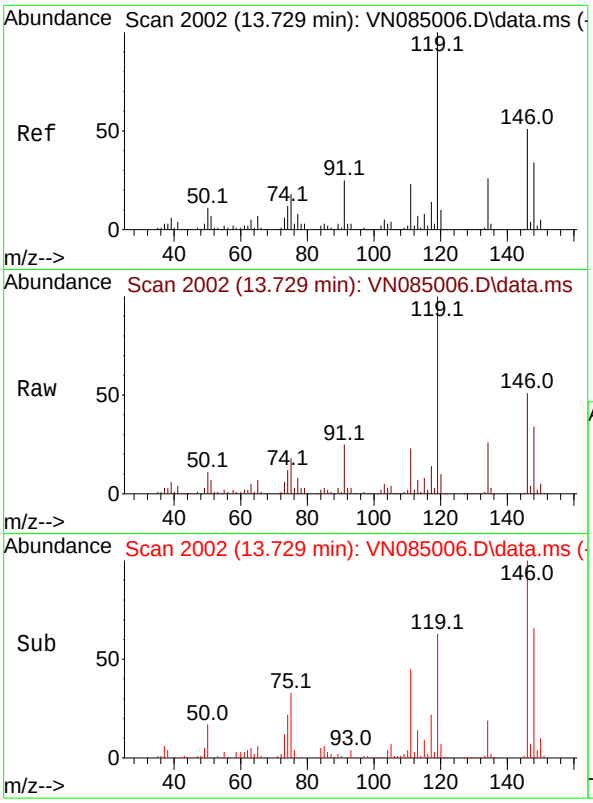


#86
p-Isopropyltoluene
Concen: 54.443 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:119 Resp: 353974

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	39.0
91	25.6	12.8	38.4



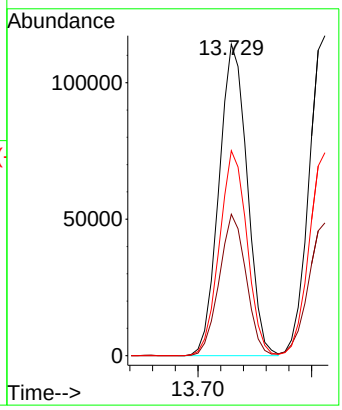


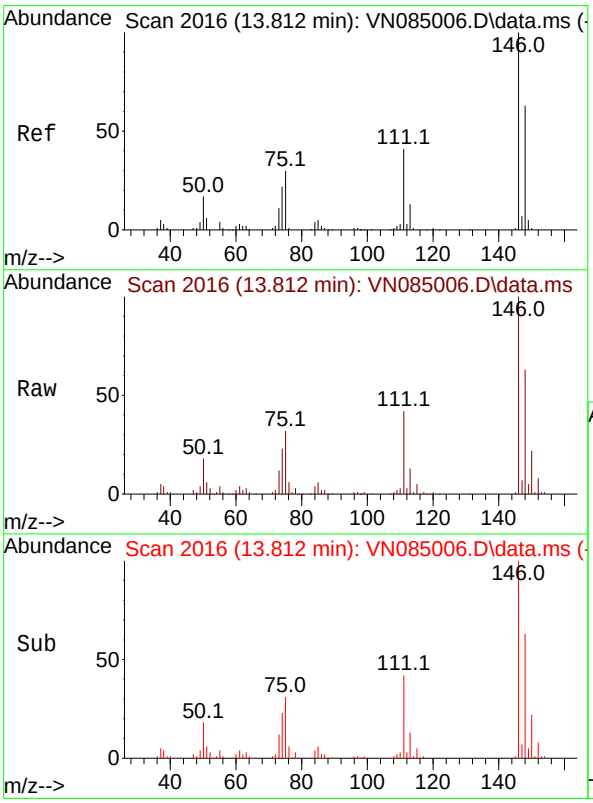
#87
1,3-Dichlorobenzene
Concen: 45.855 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 196552

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	65.0
148	64.4	32.2	96.6

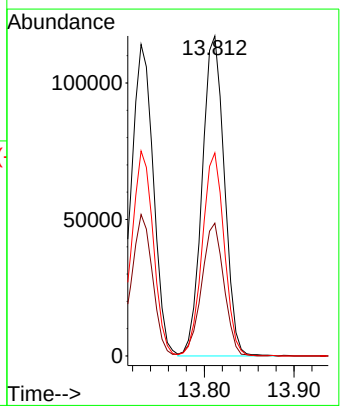


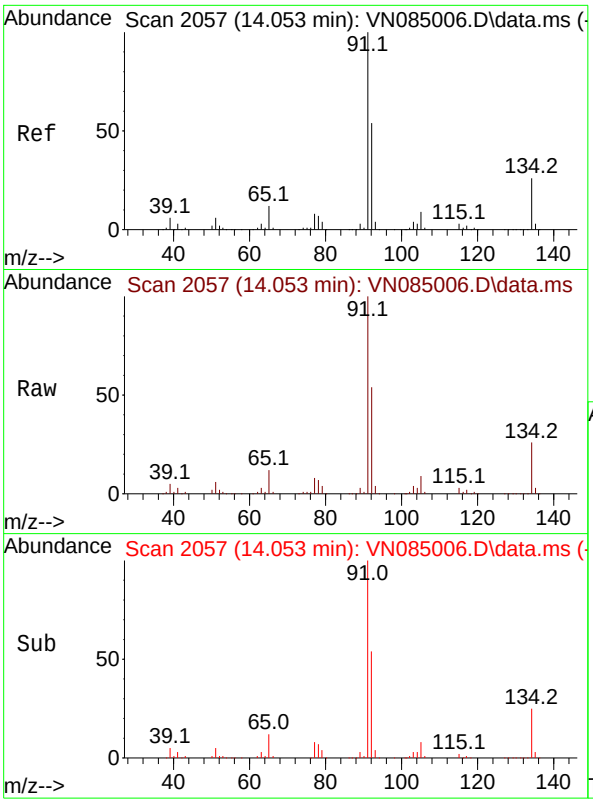


#88
1,4-Dichlorobenzene
Concen: 46.058 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:146 Resp: 201469

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.9	62.8
148	62.6	31.3	93.9



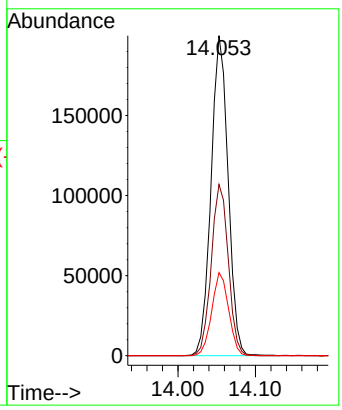


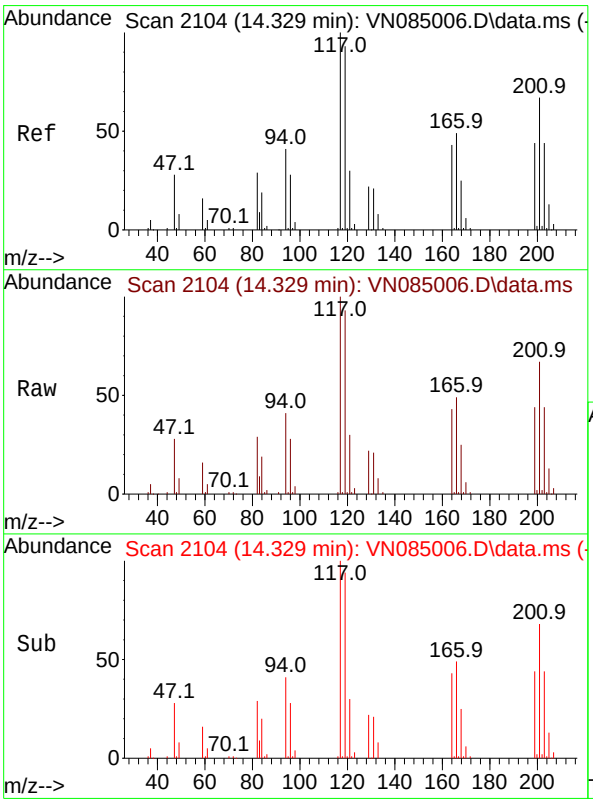
#89
n-Butylbenzene
Concen: 50.564 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 305730

Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.8	80.3
134	25.6	12.8	38.4

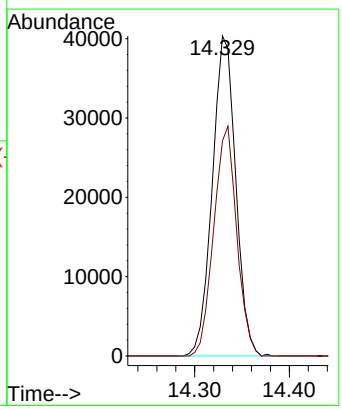


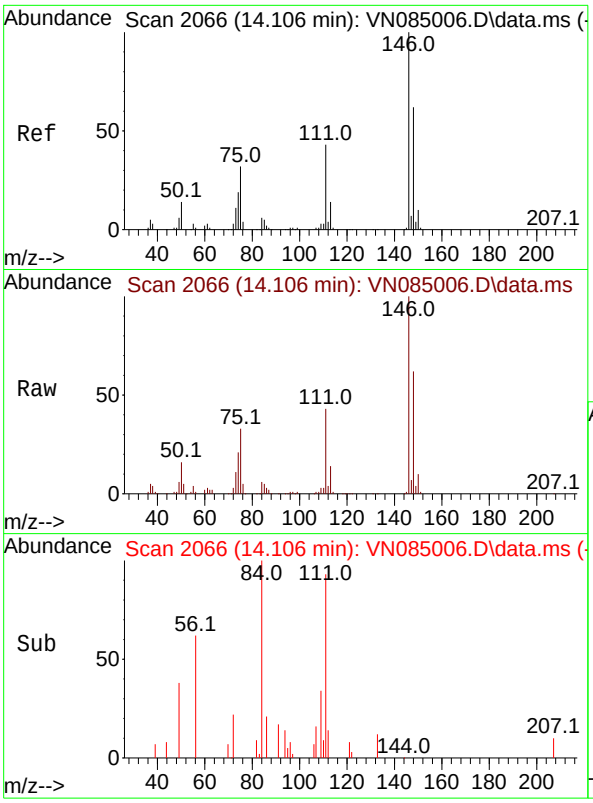


#90
Hexachloroethane
Concen: 49.001 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:117 Resp: 69444

Ion	Ratio	Lower	Upper
117	100		
201	70.4	35.2	105.6



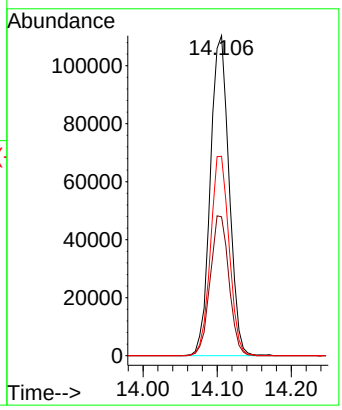


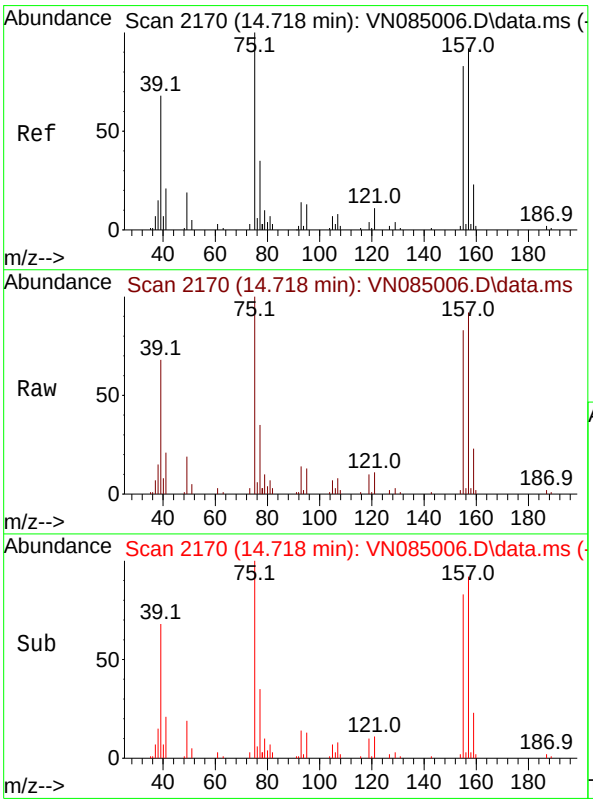
#91
1,2-Dichlorobenzene
Concen: 47.019 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 193123

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.9	65.8
148	62.1	31.1	93.2

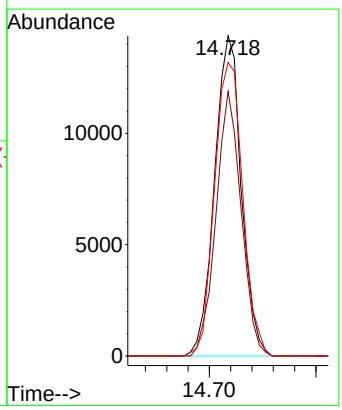


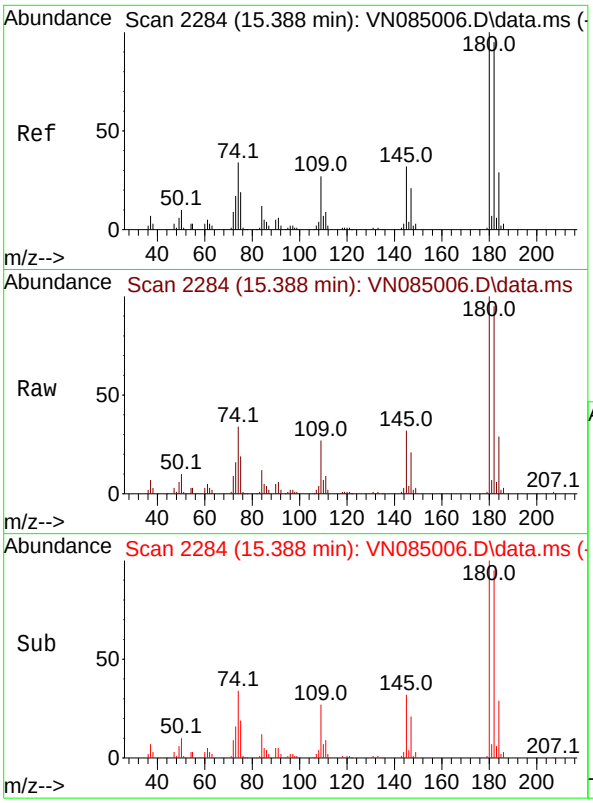


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.995 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 75 Resp: 25059

Ion	Ratio	Lower	Upper
75	100		
155	77.8	38.9	116.7
157	96.6	48.3	144.9



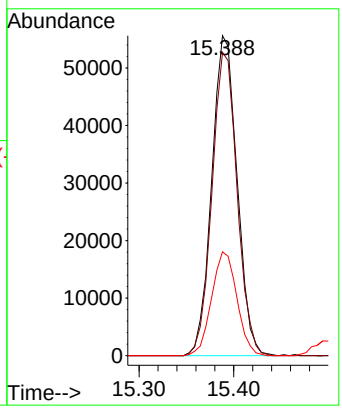


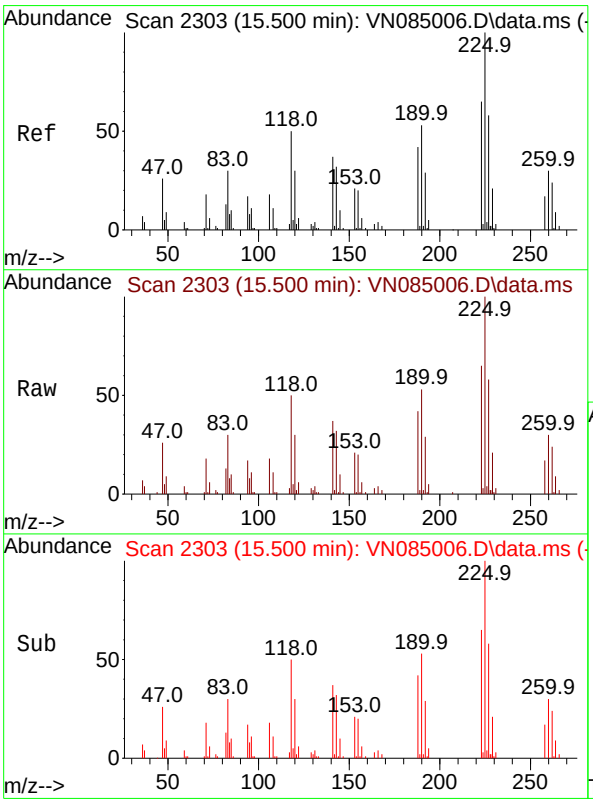
#93
1,2,4-Trichlorobenzene
Concen: 46.278 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 103265

Ion	Ratio	Lower	Upper
180	100		
182	93.9	46.9	140.8
145	32.5	16.3	48.8

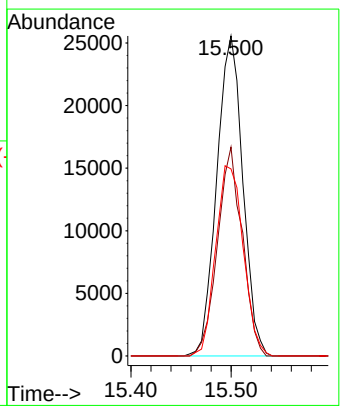


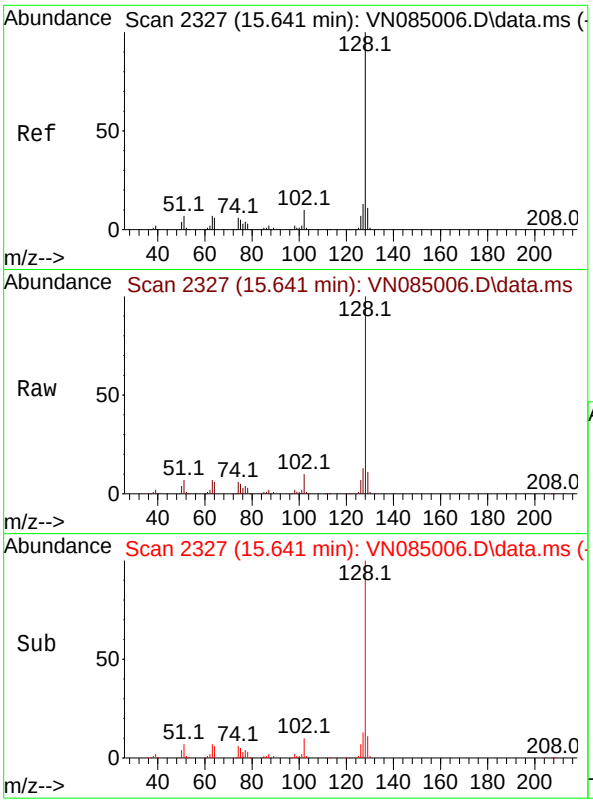


#94
Hexachlorobutadiene
Concen: 44.848 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:225 Resp: 46186

Ion	Ratio	Lower	Upper
225	100		
223	61.9	30.9	92.8
227	63.0	31.5	94.5



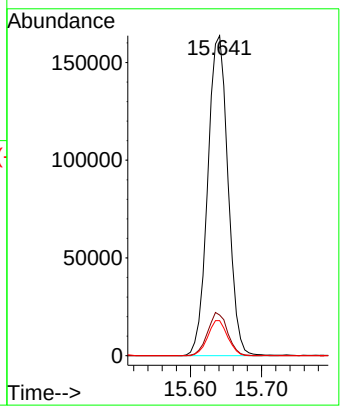


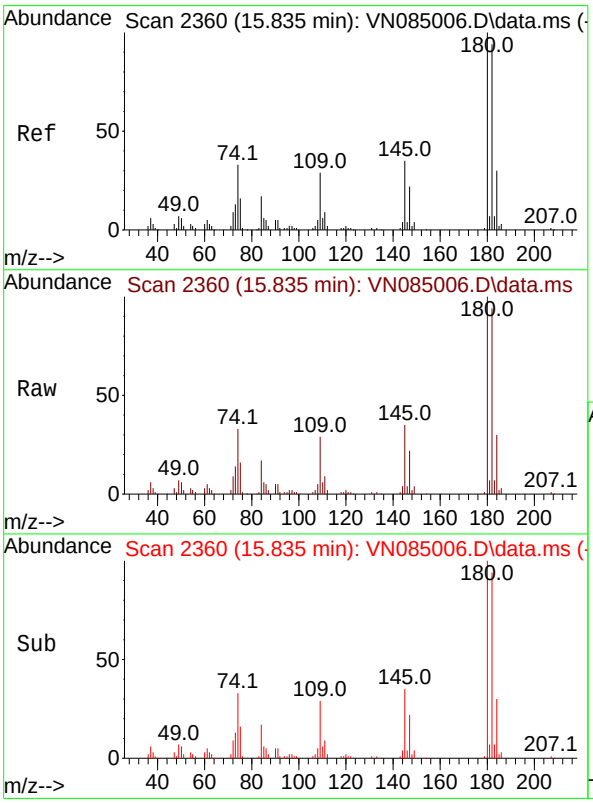
#95
Naphthalene
Concen: 51.063 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 324523

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	10.7	8.6	12.8

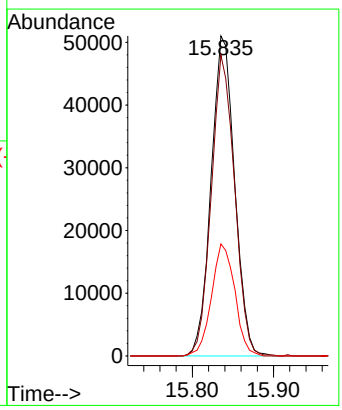




#96
1,2,3-Trichlorobenzene
Concen: 48.269 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:180 Resp: 102772

Ion	Ratio	Lower	Upper
180	100		
182	92.8	46.4	139.2
145	34.7	17.3	52.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085007.D
Acq On : 22 Nov 2024 12:10
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Nov 23 01:59:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	168636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	283685	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	240895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	116956	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	44399	18.483	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	36.960%#		
35) Dibromofluoromethane	8.159	113	35327	18.466	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	36.940%#		
50) Toluene-d8	10.565	98	130719	19.066	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	38.140%#		
62) 4-Bromofluorobenzene	12.847	95	48193	18.797	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	37.600%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	38229	20.048	ug/l	99
3) Chloromethane	2.359	50	40404	18.269	ug/l	91
4) Vinyl Chloride	2.512	62	39070	19.658	ug/l	94
5) Bromomethane	2.900	94	22076	19.817	ug/l	98
6) Chloroethane	3.071	64	25643	19.141	ug/l	98
7) Trichlorofluoromethane	3.471	101	67785	20.049	ug/l	94
8) Diethyl Ether	3.953	74	23514	20.434	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.359	101	38412	20.031	ug/l	99
10) Methyl Iodide	4.571	142	52498	20.683	ug/l	98
11) Tert butyl alcohol	5.536	59	30735	95.749	ug/l #	85
12) 1,1-Dichloroethene	4.330	96	36027	20.128	ug/l	97
13) Acrolein	4.177	56	20478	95.606	ug/l	96
14) Allyl chloride	5.006	41	59110	19.590	ug/l	99
15) Acrylonitrile	5.712	53	89152	98.100	ug/l	99
16) Acetone	4.430	43	69534	99.393	ug/l	96
17) Carbon Disulfide	4.694	76	103559	19.602	ug/l	96
18) Methyl Acetate	5.018	43	46954	20.318	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	119013	20.350	ug/l	98
20) Methylene Chloride	5.265	84	41741	19.553	ug/l	89
21) trans-1,2-Dichloroethene	5.777	96	38088	20.221	ug/l	98
22) Diisopropyl ether	6.665	45	122443	20.162	ug/l	99
23) Vinyl Acetate	6.594	43	431313	102.948	ug/l	99
24) 1,1-Dichloroethane	6.559	63	73105	20.116	ug/l	98
25) 2-Butanone	7.482	43	114635	100.226	ug/l	99
26) 2,2-Dichloropropane	7.482	77	66230	19.517	ug/l	97
27) cis-1,2-Dichloroethene	7.482	96	45307	19.953	ug/l	99
28) Bromochloromethane	7.806	49	27564	20.092	ug/l	99
29) Tetrahydrofuran	7.835	42	71566	100.618	ug/l	99
30) Chloroform	7.953	83	74495	19.270	ug/l	94
31) Cyclohexane	8.247	56	63521	19.852	ug/l	96
32) 1,1,1-Trichloroethane	8.159	97	68908	19.725	ug/l	97
36) 1,1-Dichloropropene	8.365	75	51535	19.888	ug/l	98
37) Ethyl Acetate	7.559	43	48436	20.561	ug/l	99
38) Carbon Tetrachloride	8.359	117	61594	20.593	ug/l	97
39) Methylcyclohexane	9.600	83	55102	20.464	ug/l	98
40) Benzene	8.600	78	163727	19.977	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085007.D
Acq On : 22 Nov 2024 12:10
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Nov 23 01:59:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	26011	19.942	ug/l		99
42) 1,2-Dichloroethane	8.665	62	56374	20.106	ug/l		99
43) Isopropyl Acetate	8.682	43	88647	18.116	ug/l		98
44) Trichloroethene	9.347	130	38334	20.127	ug/l		96
45) 1,2-Dichloropropane	9.618	63	39852	19.742	ug/l		96
46) Dibromomethane	9.706	93	28140	20.062	ug/l		98
47) Bromodichloromethane	9.882	83	59008	19.849	ug/l		97
48) Methyl methacrylate	9.676	41	36687	20.148	ug/l		98
49) 1,4-Dioxane	9.694	88	12977	410.958	ug/l	#	89
51) 4-Methyl-2-Pentanone	10.441	43	230239	103.015	ug/l		99
52) Toluene	10.629	92	100021	20.615	ug/l		99
53) t-1,3-Dichloropropene	10.829	75	61215	20.539	ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	64823	20.501	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	36732	20.326	ug/l		96
56) Ethyl methacrylate	10.871	69	55691	21.089	ug/l		98
57) 1,3-Dichloropropane	11.159	76	63314	19.906	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	137602	106.227	ug/l		100
59) 2-Hexanone	11.194	43	179717	107.514	ug/l		99
60) Dibromochloromethane	11.353	129	44450	20.126	ug/l		97
61) 1,2-Dibromoethane	11.465	107	37228	19.905	ug/l		99
64) Tetrachloroethene	11.100	164	32716	20.155	ug/l		93
65) Chlorobenzene	11.888	112	108255	19.815	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	37404	19.446	ug/l		98
67) Ethyl Benzene	11.959	91	181169	20.440	ug/l		98
68) m/p-Xylenes	12.070	106	141133	41.824	ug/l		99
69) o-Xylene	12.394	106	66013	20.565	ug/l		97
70) Styrene	12.406	104	113503	21.263	ug/l		99
71) Bromoform	12.576	173	28783	20.159	ug/l	#	98
73) Isopropylbenzene	12.694	105	168631	20.438	ug/l		100
74) N-amyl acetate	12.494	43	72208	21.238	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	53889	19.127	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	70585	32.262	ug/l		47
77) Bromobenzene	12.976	156	43298	19.500	ug/l		99
78) n-propylbenzene	13.035	91	196551	20.653	ug/l		99
79) 2-Chlorotoluene	13.123	91	128714	20.261	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	145726	21.048	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	18860	20.144	ug/l		99
82) 4-Chlorotoluene	13.217	91	133131	20.131	ug/l		99
83) tert-Butylbenzene	13.435	119	121188	20.344	ug/l		99
84) 1,2,4-Trimethylbenzene	13.476	105	149479	20.974	ug/l		99
85) sec-Butylbenzene	13.611	105	168068	20.885	ug/l		100
86) p-Isopropyltoluene	13.729	119	143841	21.653	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	83500	19.066	ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	85098	19.041	ug/l		99
89) n-Butylbenzene	14.053	91	122257	19.790	ug/l		100
90) Hexachloroethane	14.329	117	27899	19.267	ug/l		97
91) 1,2-Dichlorobenzene	14.106	146	82164	19.579	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10633	19.517	ug/l		96
93) 1,2,4-Trichlorobenzene	15.388	180	44383	19.467	ug/l		98
94) Hexachlorobutadiene	15.500	225	20642	19.618	ug/l		95
95) Naphthalene	15.641	128	132816	20.454	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	44145	20.293	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085007.D
Acq On : 22 Nov 2024 12:10
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Nov 23 01:59:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

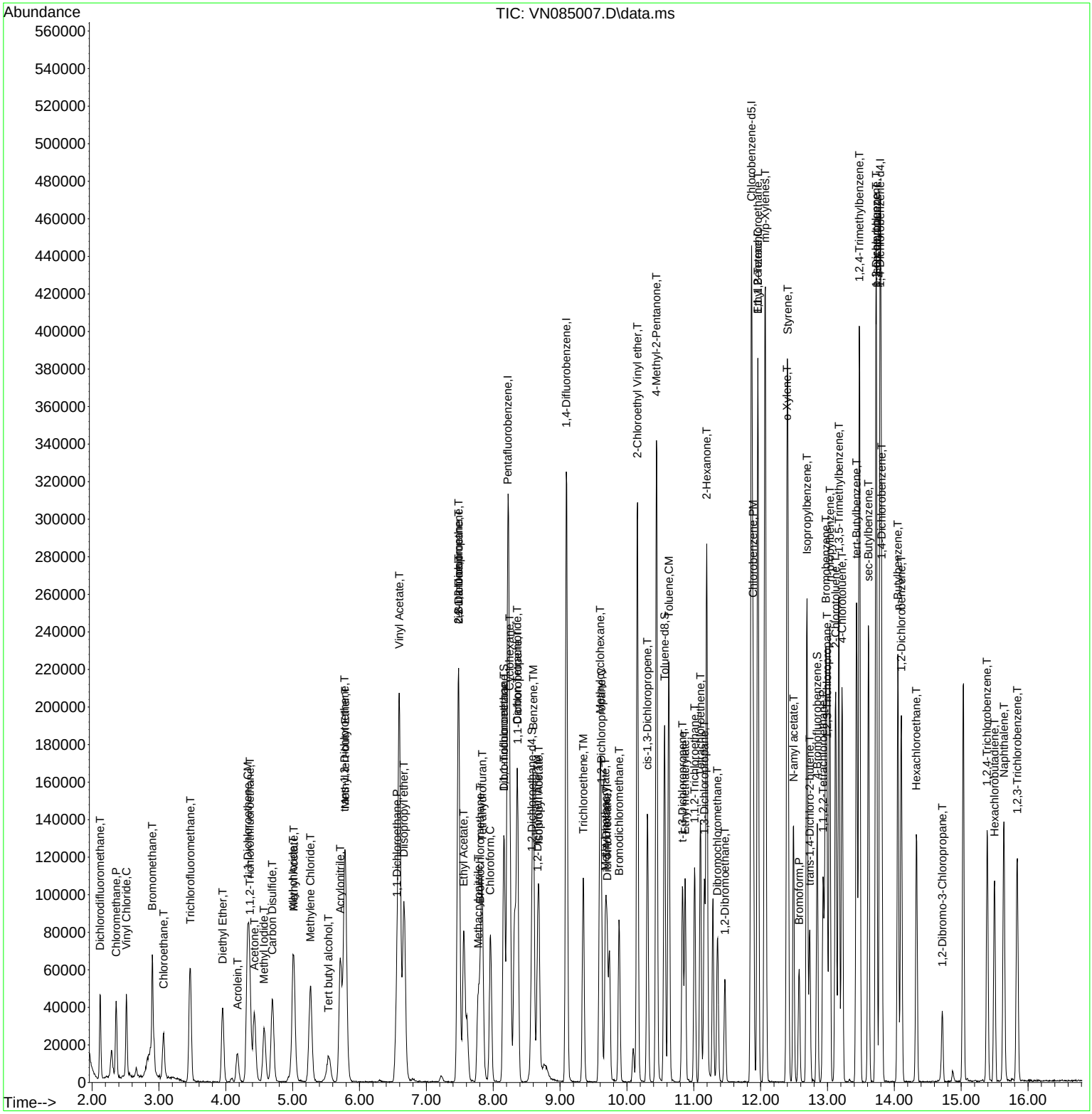
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

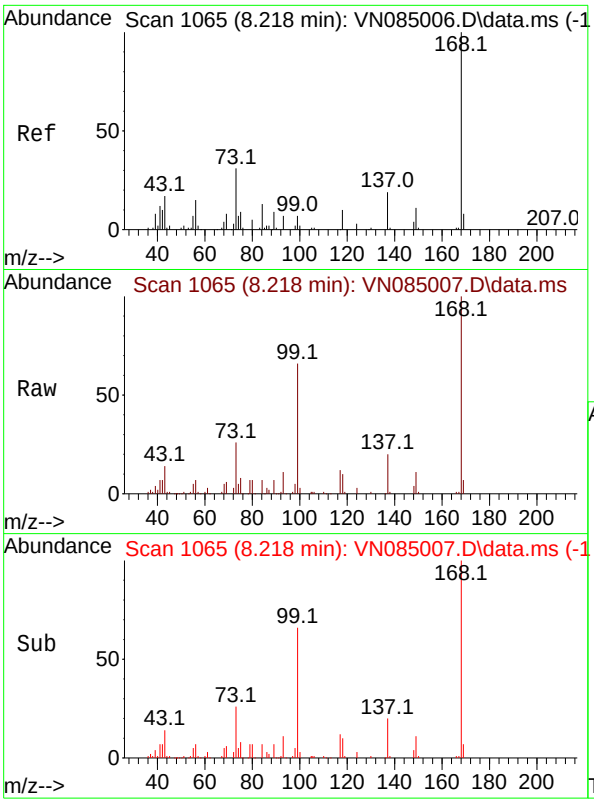
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085007.D
Acq On : 22 Nov 2024 12:10
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Nov 23 01:59:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration



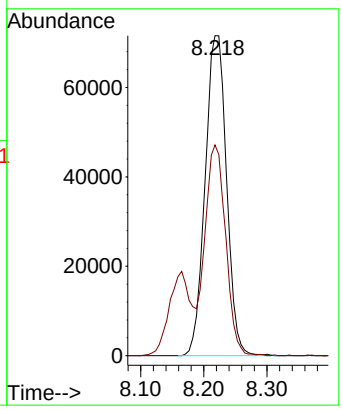


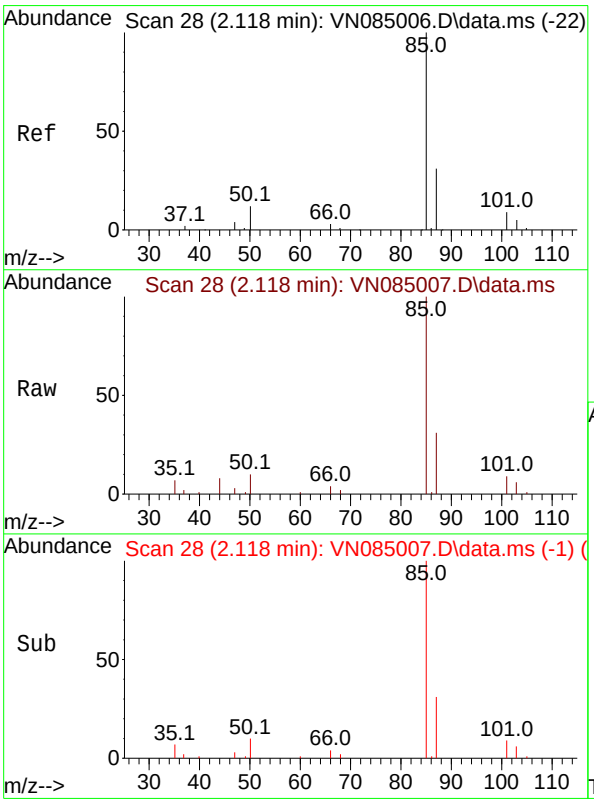
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 168636

Ion	Ratio	Lower	Upper
168	100		
99	65.9	51.2	76.8

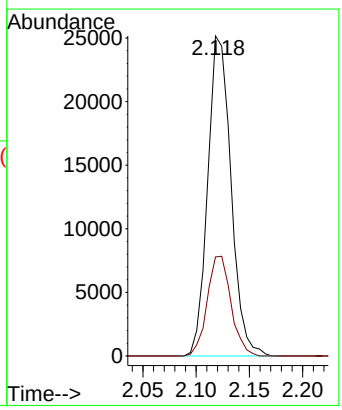


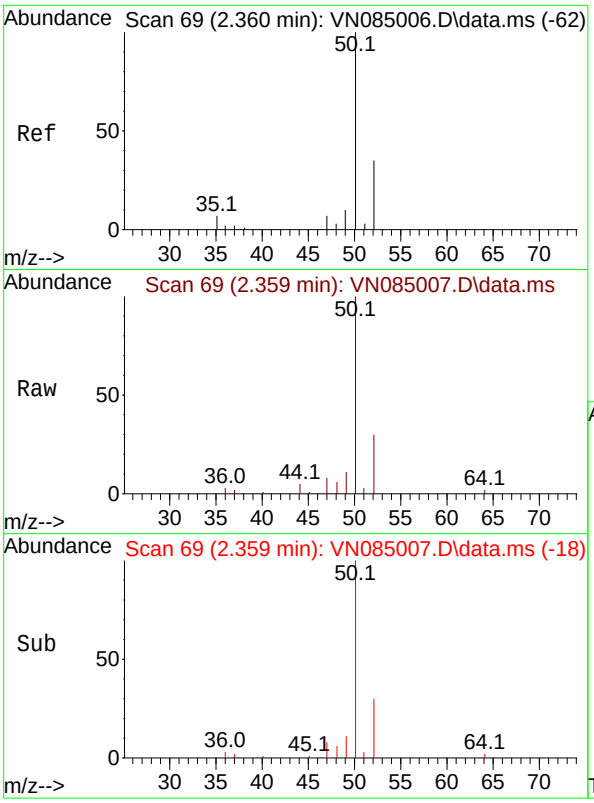


#2
Dichlorodifluoromethane
Concen: 20.048 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 85 Resp: 38229

Ion	Ratio	Lower	Upper
85	100		
87	30.9	15.7	47.1



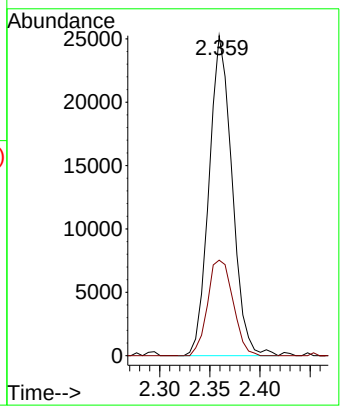


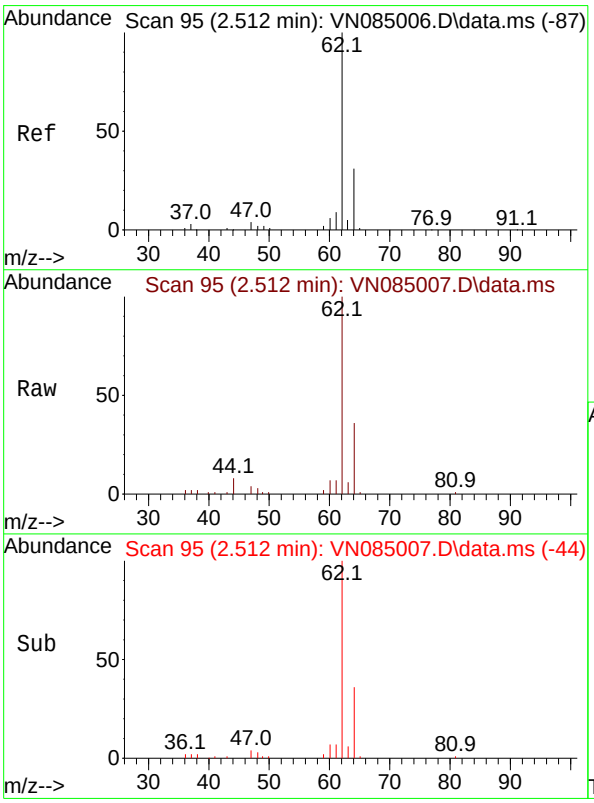
#3
Chloromethane
Concen: 18.269 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 40404

Ion	Ratio	Lower	Upper
50	100		
52	29.9	27.8	41.8

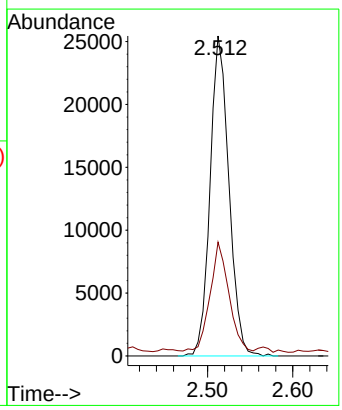


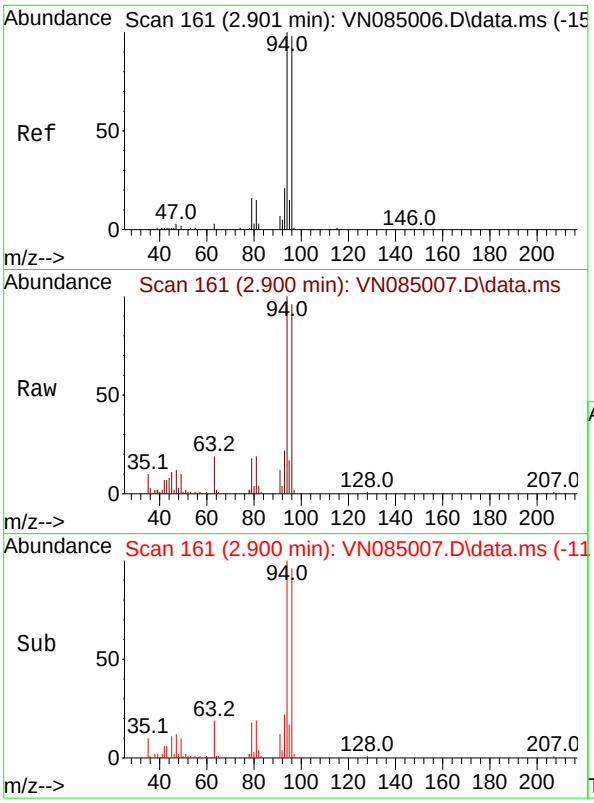


#4
Vinyl Chloride
Concen: 19.658 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 62 Resp: 39070

Ion	Ratio	Lower	Upper
62	100		
64	33.9	24.6	36.8



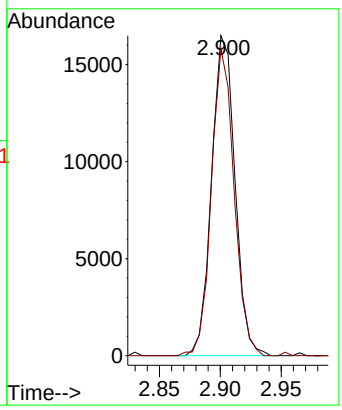


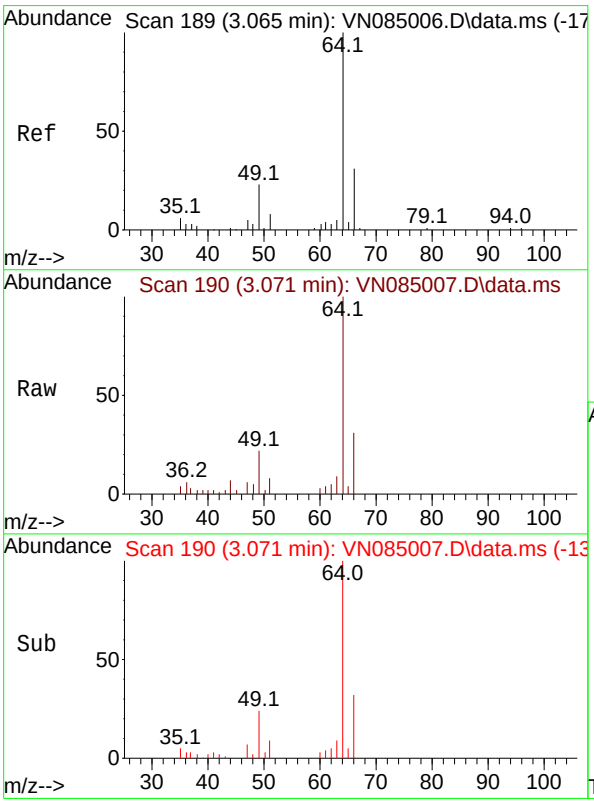
#5
Bromomethane
Concen: 19.817 ug/l
RT: 2.900 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 22076

Ion	Ratio	Lower	Upper
94	100		
96	96.0	78.7	118.1

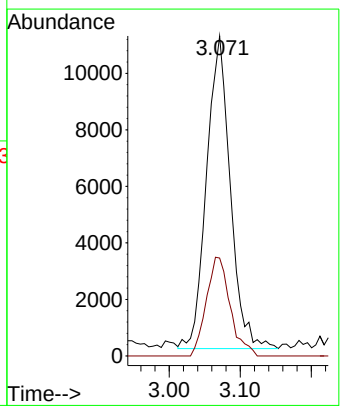


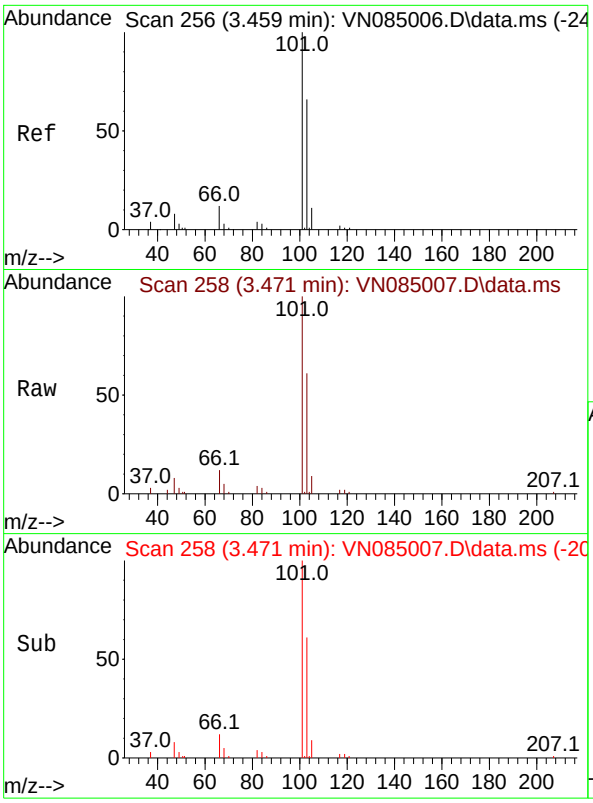


#6
Chloroethane
Concen: 19.141 ug/l
RT: 3.071 min Scan# 190
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 64 Resp: 25643

Ion	Ratio	Lower	Upper
64	100		
66	31.3	24.4	36.6



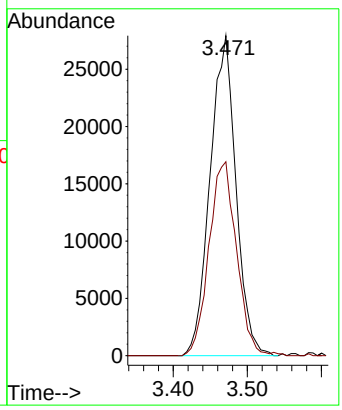


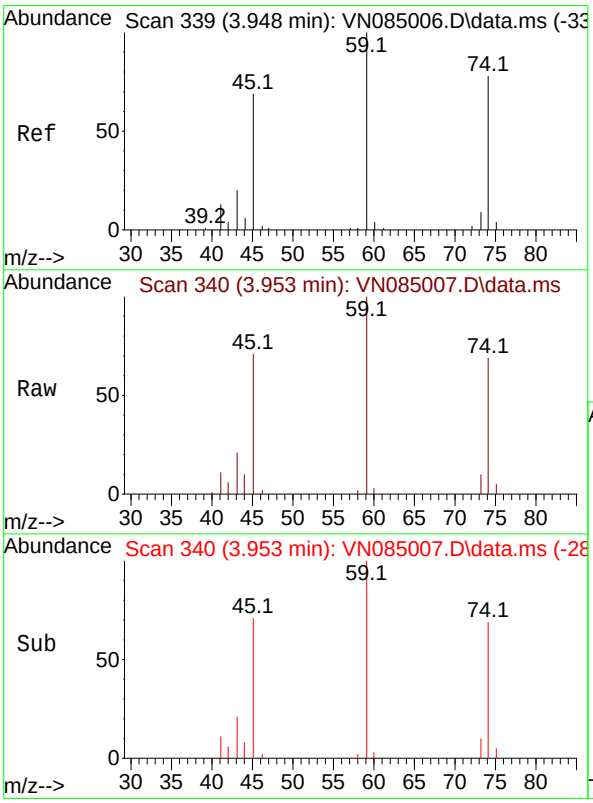
#7
Trichlorofluoromethane
Concen: 20.049 ug/l
RT: 3.471 min Scan# 2
Delta R.T. 0.012 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 67785

Ion	Ratio	Lower	Upper
101	100		
103	60.6	52.6	78.8

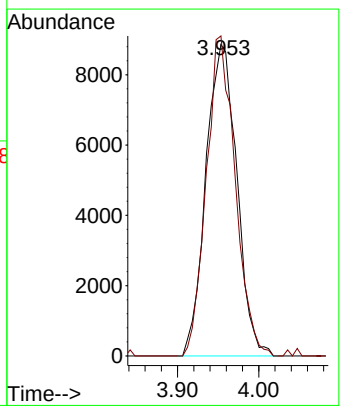


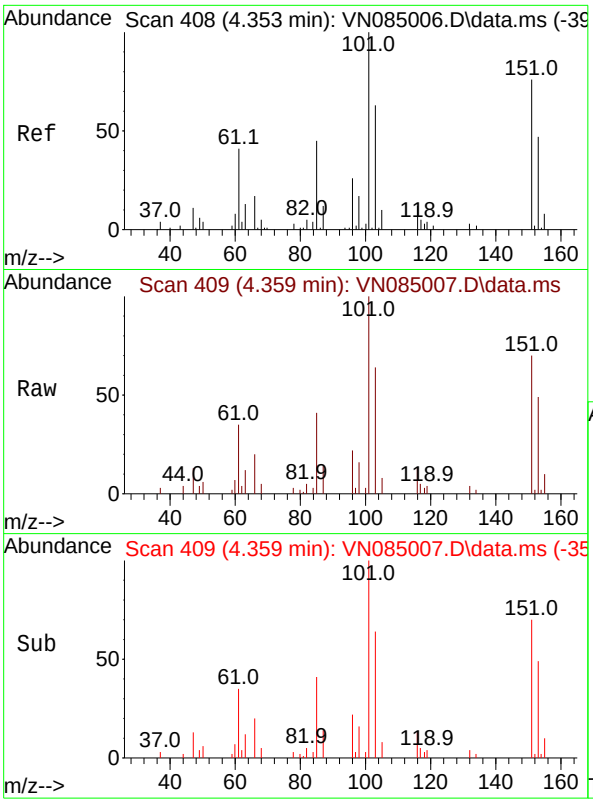


#8
Diethyl Ether
Concen: 20.434 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 74 Resp: 23514

Ion	Ratio	Lower	Upper
74	100		
45	95.8	46.7	140.1



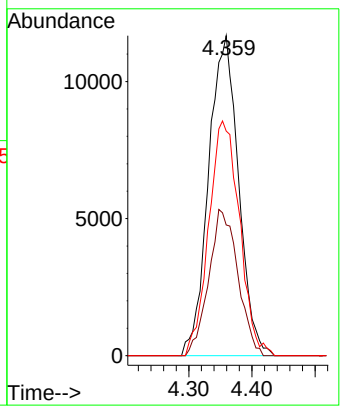


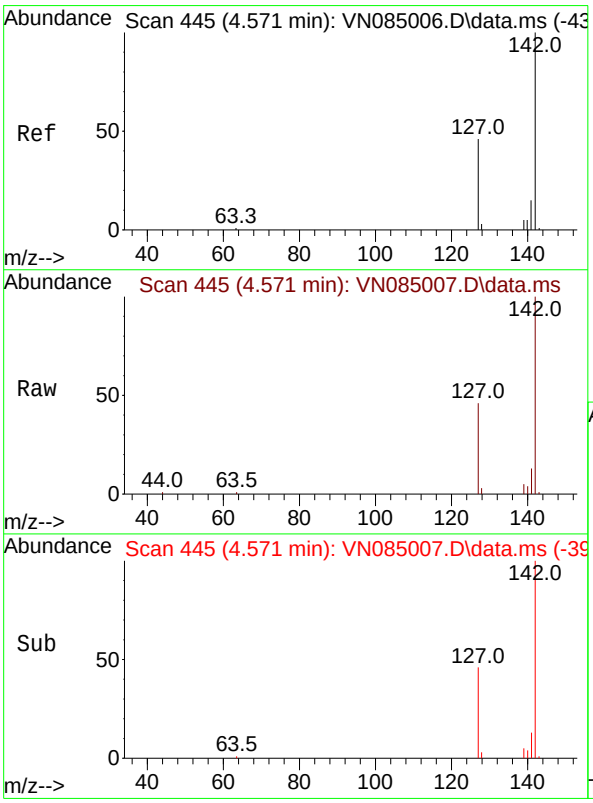
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.031 ug/l
RT: 4.359 min Scan# 4(
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 38412

Ion	Ratio	Lower	Upper
101	100		
85	44.4	36.9	55.3
151	75.5	60.8	91.2

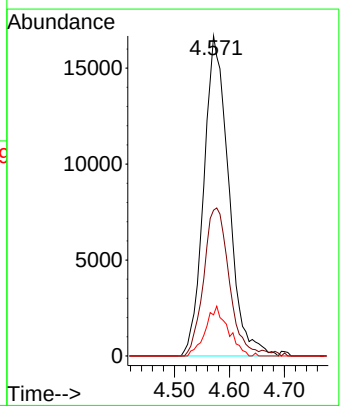


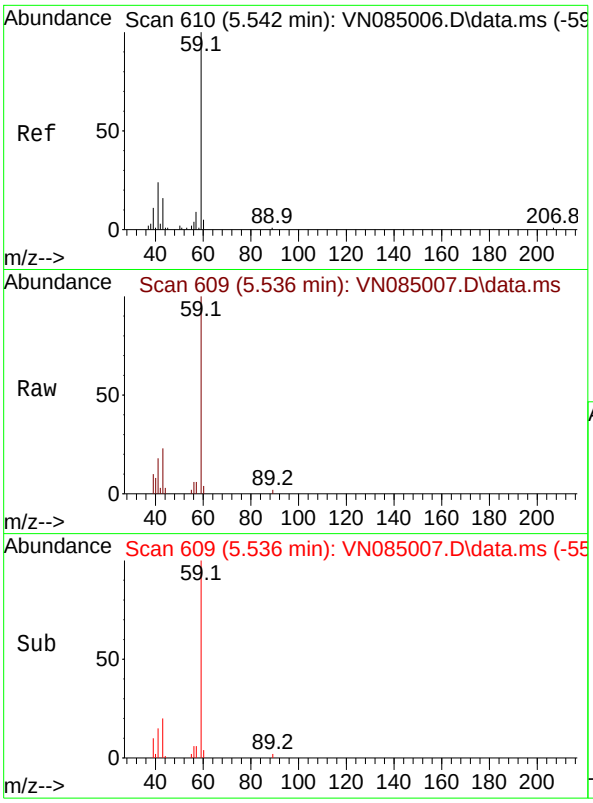


#10
Methyl Iodide
Concen: 20.683 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:142 Resp: 52498

Ion	Ratio	Lower	Upper
142	100		
127	45.5	36.6	54.8
141	12.9	12.2	18.4



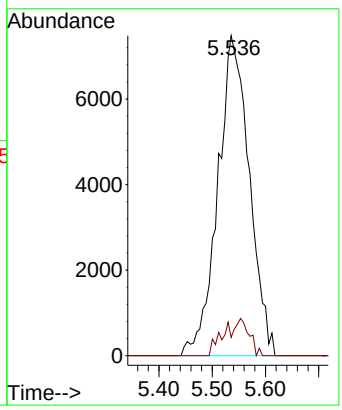


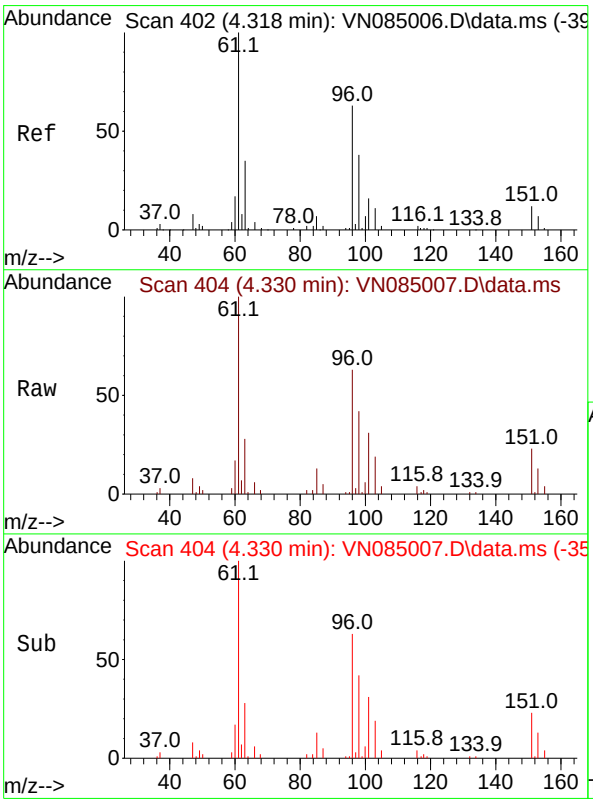
#11
Tert butyl alcohol
Concen: 95.749 ug/l
RT: 5.536 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 30735

Ion	Ratio	Lower	Upper
59	100		
57	3.7	7.4	11.0#

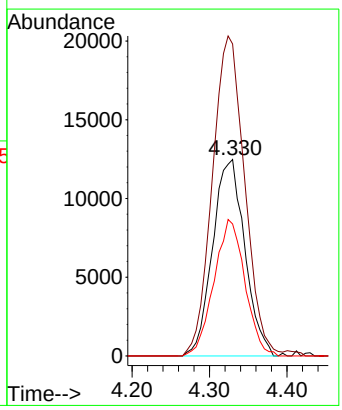


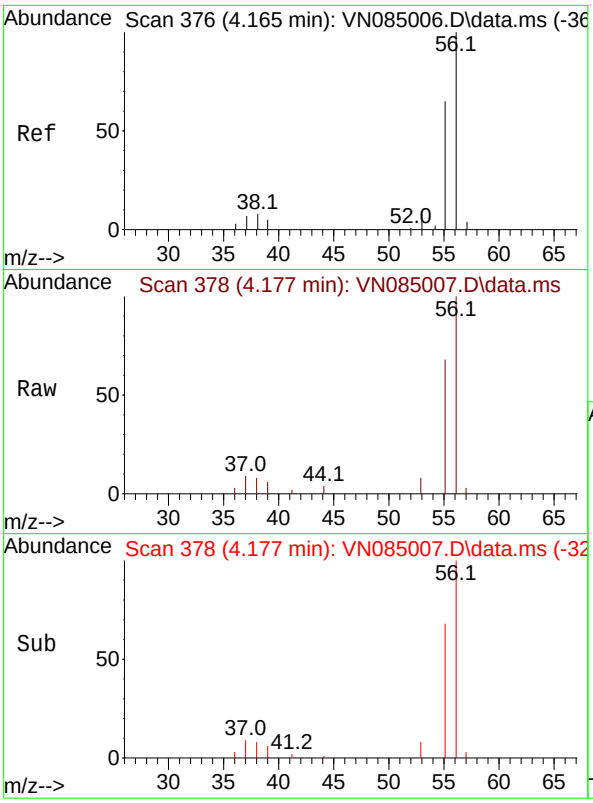


#12
1,1-Dichloroethene
Concen: 20.128 ug/l
RT: 4.330 min Scan# 404
Delta R.T. 0.012 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 96 Resp: 36027

Ion	Ratio	Lower	Upper
96	100		
61	158.7	127.8	191.8
98	67.1	49.2	73.8



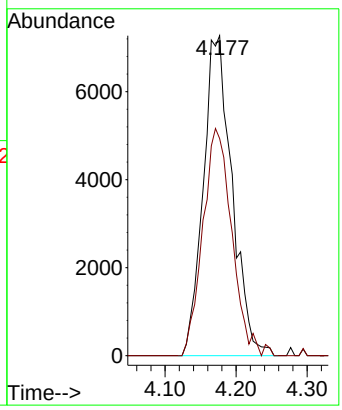


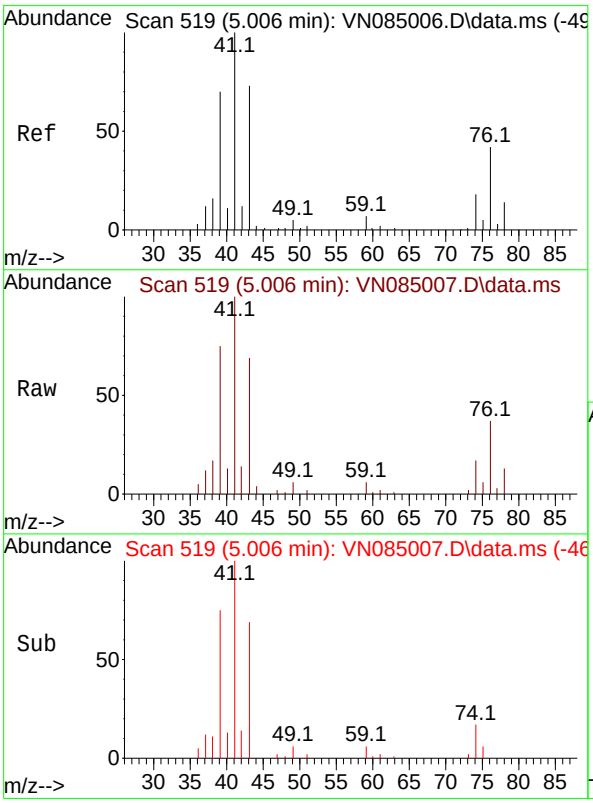
#13
Acrolein
Concen: 95.606 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.012 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 20478

Ion	Ratio	Lower	Upper
56	100		
55	71.2	54.5	81.7

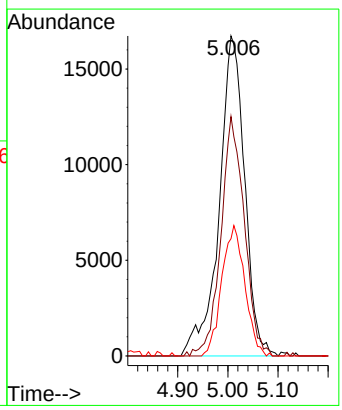


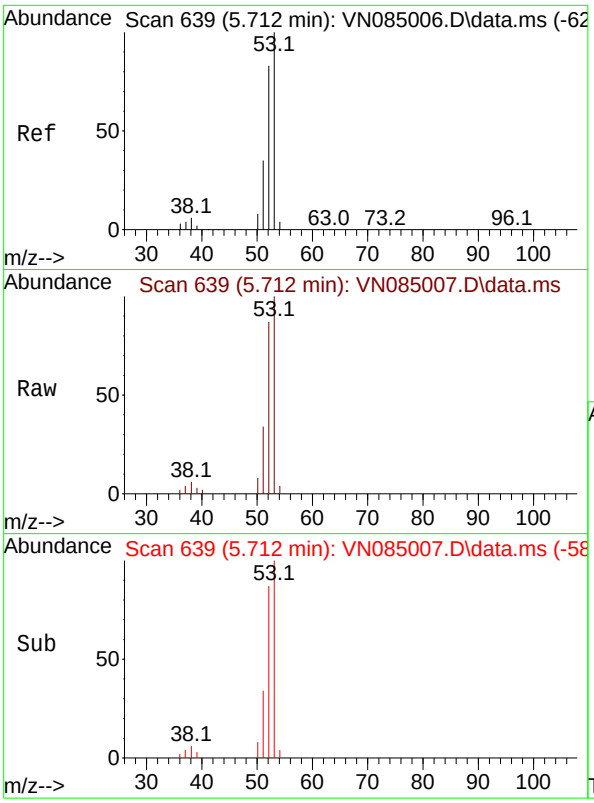


#14
Allyl chloride
Concen: 19.590 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 41 Resp: 59110

Ion	Ratio	Lower	Upper
41	100		
39	68.7	53.8	80.8
76	36.9	29.3	43.9



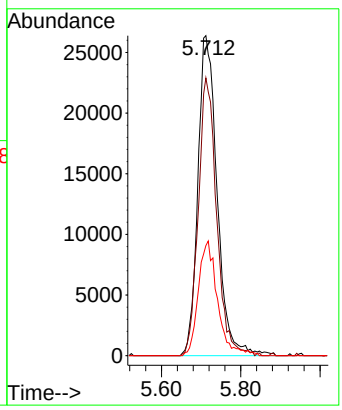


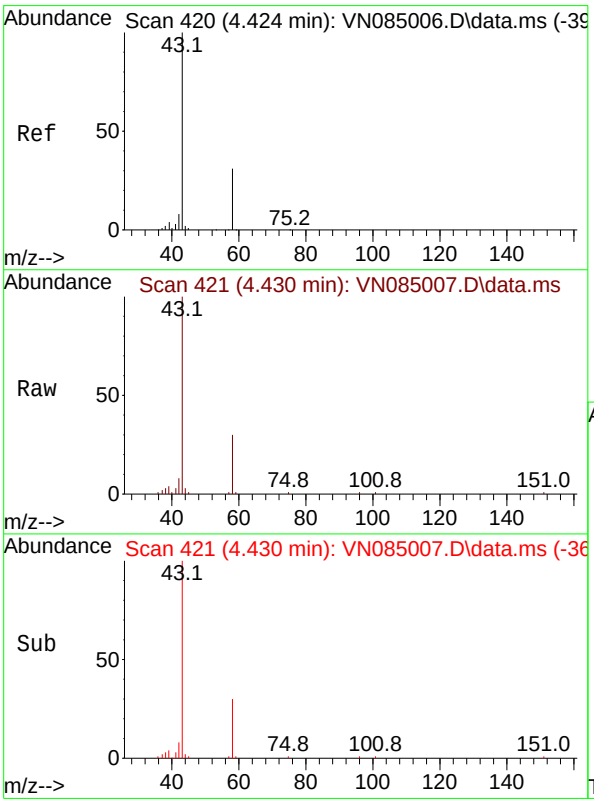
#15
Acrylonitrile
Concen: 98.100 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 89152

Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.5	98.3
51	35.8	28.4	42.6

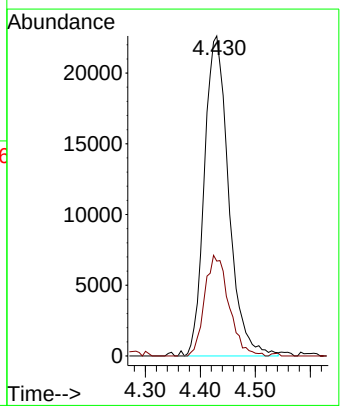


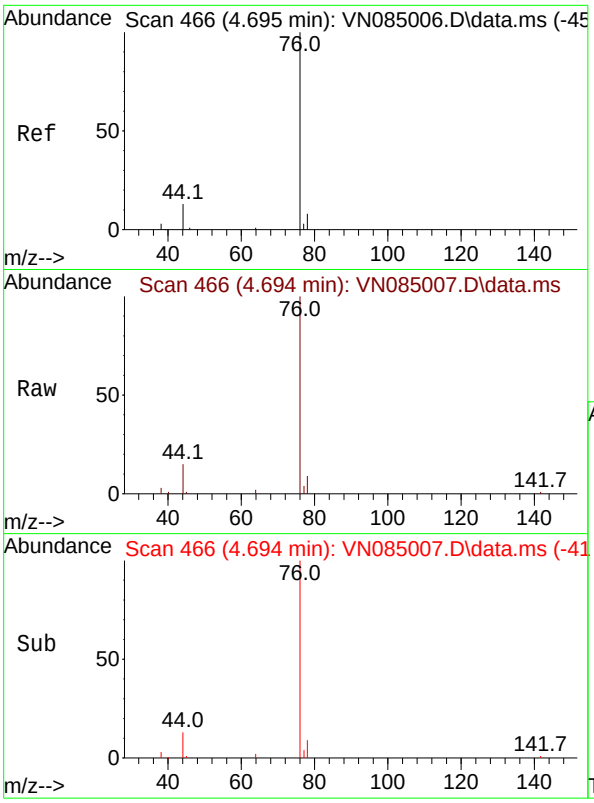


#16
Acetone
Concen: 99.393 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 43 Resp: 69534

Ion	Ratio	Lower	Upper
43	100		
58	29.6	25.4	38.2



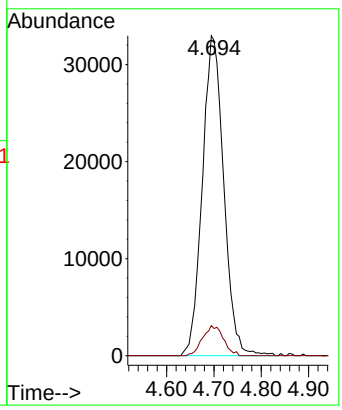


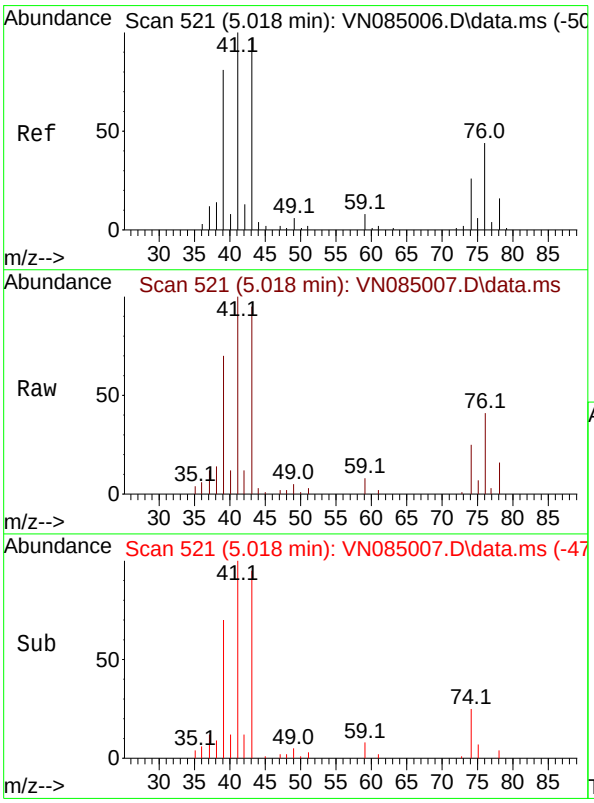
#17
Carbon Disulfide
Concen: 19.602 ug/l
RT: 4.694 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 103559

Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.5	9.7

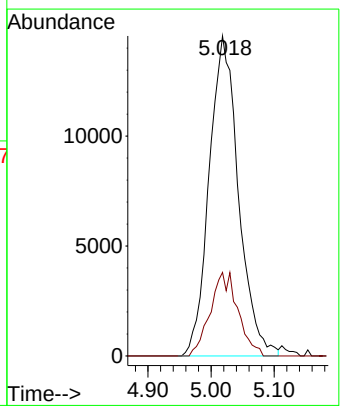


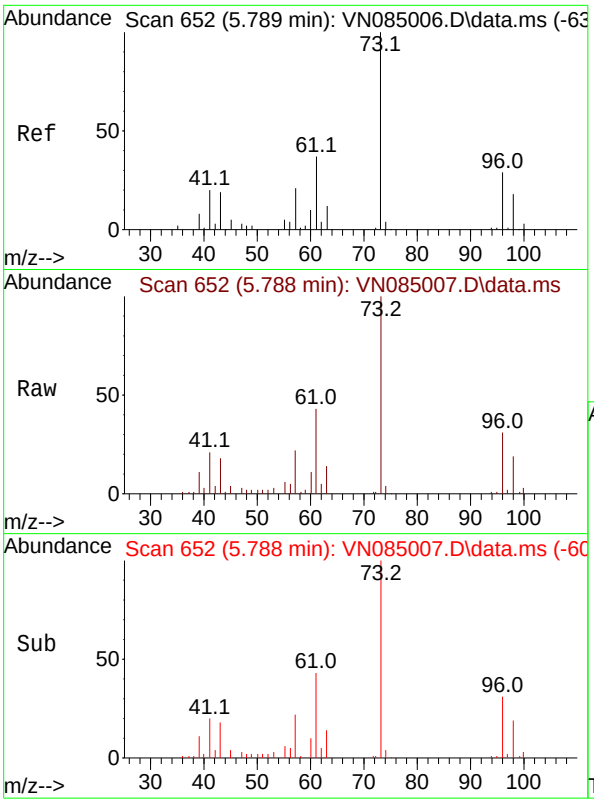


#18
Methyl Acetate
Concen: 20.318 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 43 Resp: 46954

Ion	Ratio	Lower	Upper
43	100		
74	24.7	20.1	30.1



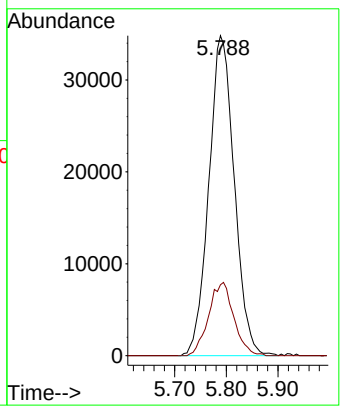


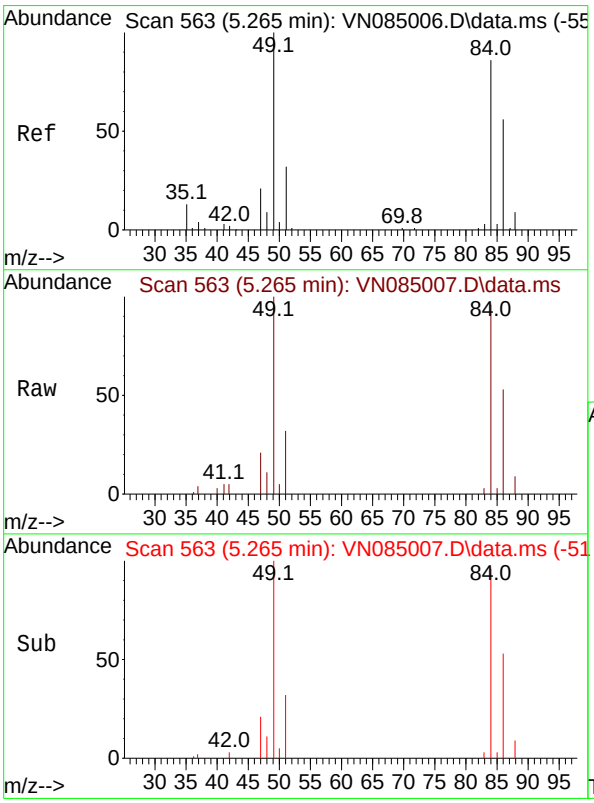
#19
Methyl tert-butyl Ether
Concen: 20.350 ug/l
RT: 5.788 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 119013

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.0	25.4

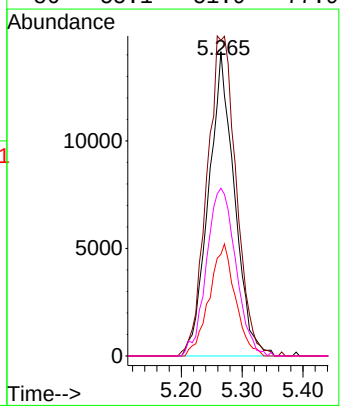


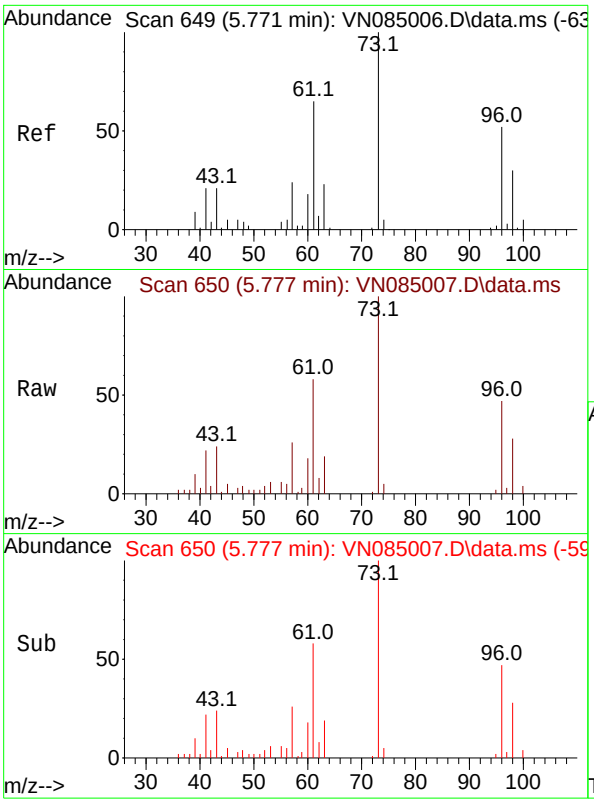


#20
Methylene Chloride
Concen: 19.553 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 84 Resp: 41741

Ion	Ratio	Lower	Upper
84	100		
49	103.7	92.7	139.1
51	33.4	29.4	44.2
86	55.1	51.9	77.9



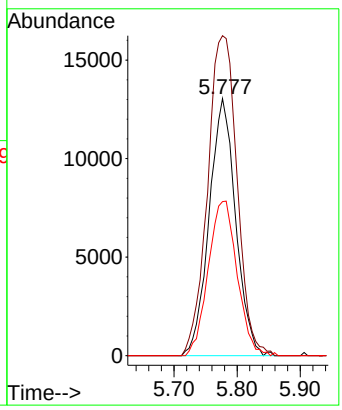


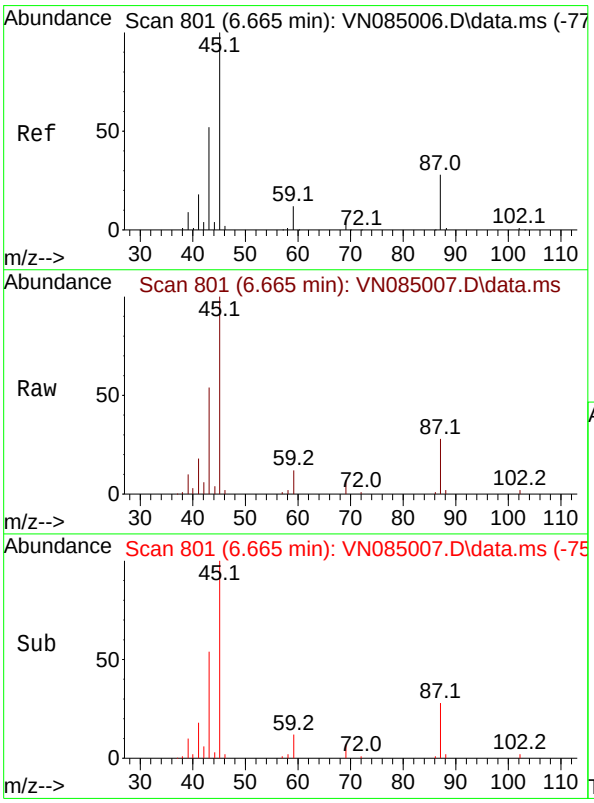
#21
trans-1,2-Dichloroethene
Concen: 20.221 ug/l
RT: 5.777 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 38088

Ion	Ratio	Lower	Upper
96	100		
61	124.5	100.7	151.1
98	60.0	45.8	68.6

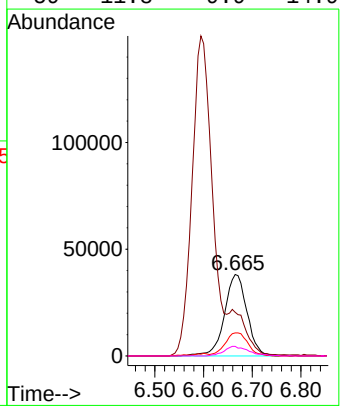


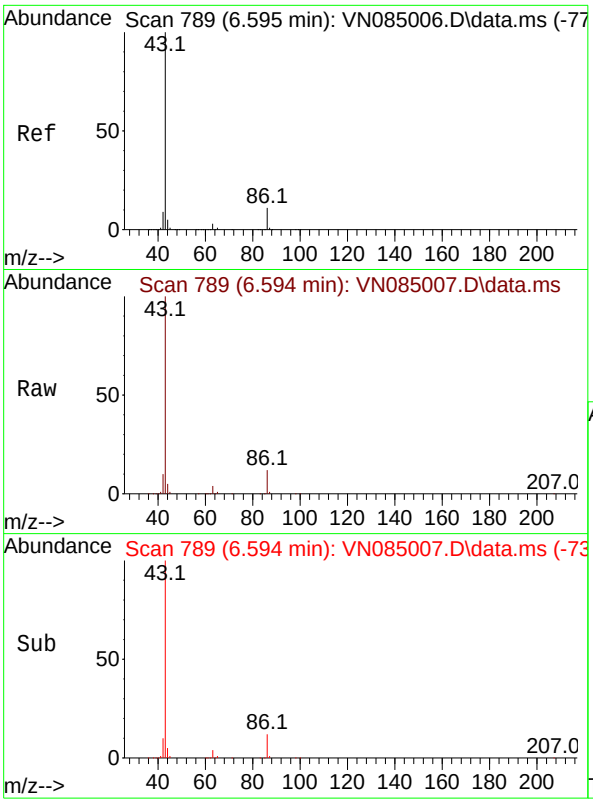


#22
Diisopropyl ether
Concen: 20.162 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 45 Resp: 122443

Ion	Ratio	Lower	Upper
45	100		
43	52.2	42.7	64.1
87	28.2	22.6	34.0
59	11.8	9.9	14.9



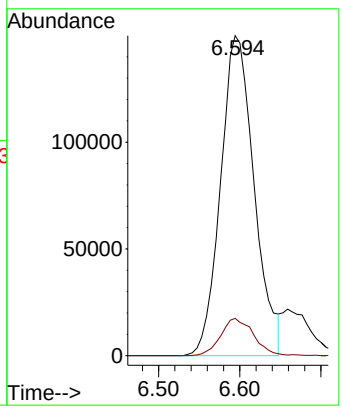


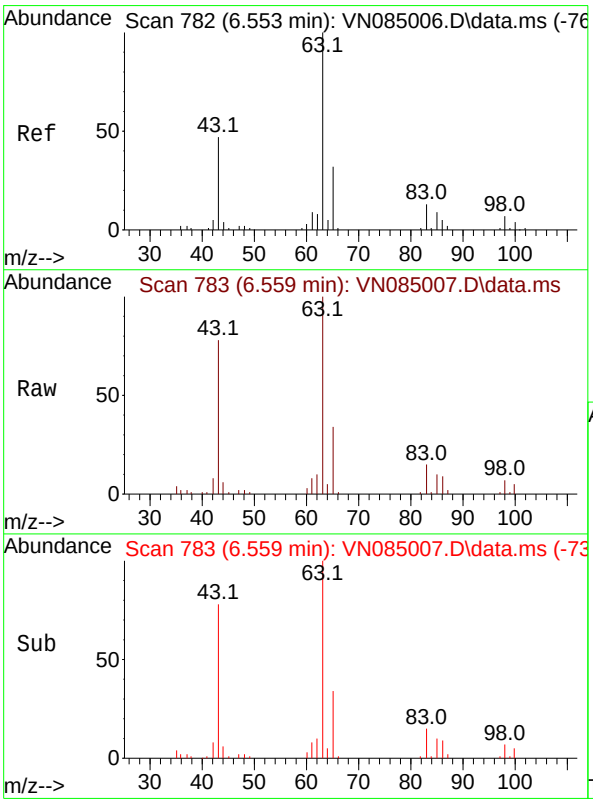
#23
Vinyl Acetate
Concen: 102.948 ug/l
RT: 6.594 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 431313

Ion	Ratio	Lower	Upper
43	100		
86	11.6	8.9	13.3

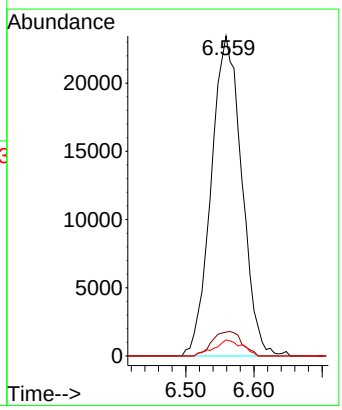


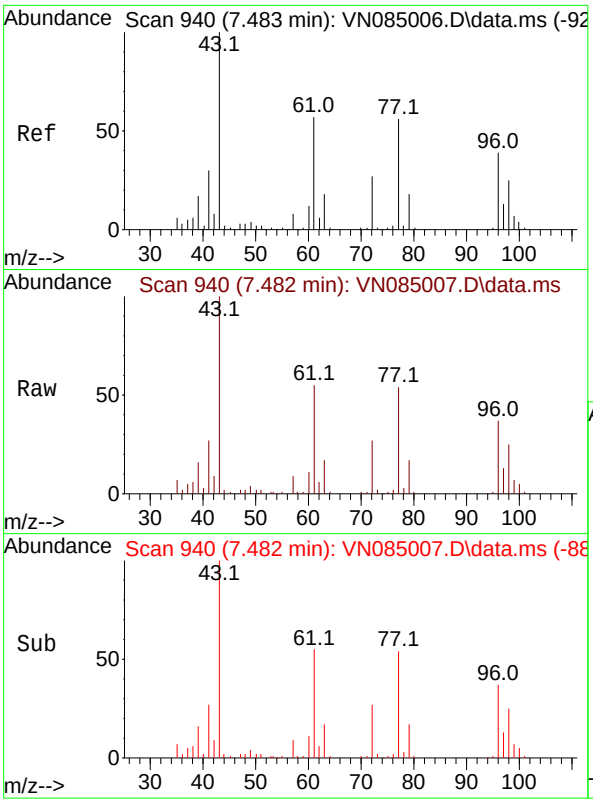


#24
1,1-Dichloroethane
Concen: 20.116 ug/l
RT: 6.559 min Scan# 783
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 63 Resp: 73105

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.3	9.8
100	5.0	2.2	6.6



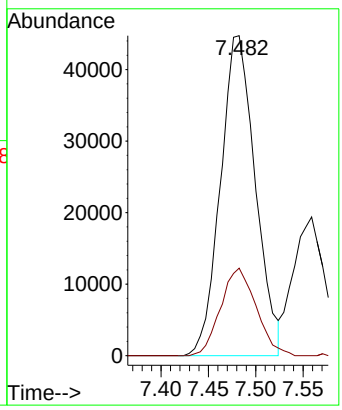


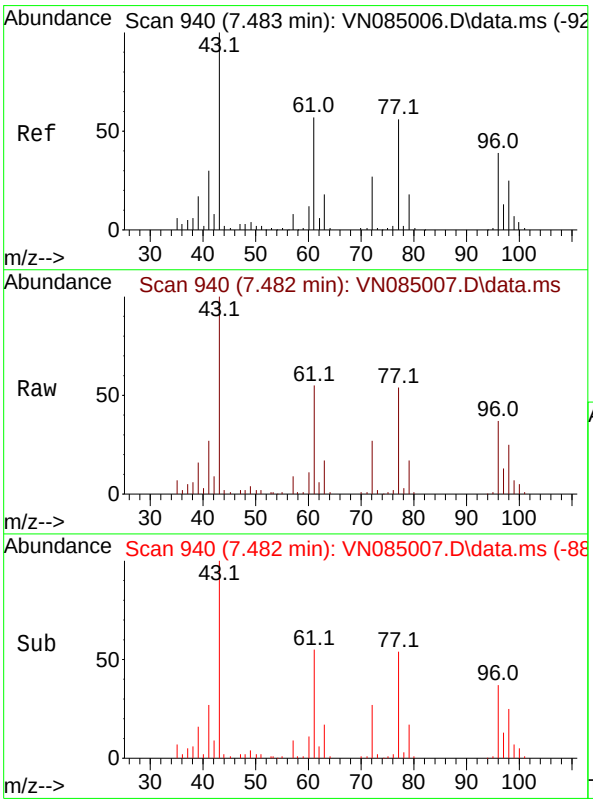
#25
2-Butanone
Concen: 100.226 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 114635

Ion	Ratio	Lower	Upper
43	100		
72	27.4	21.4	32.0

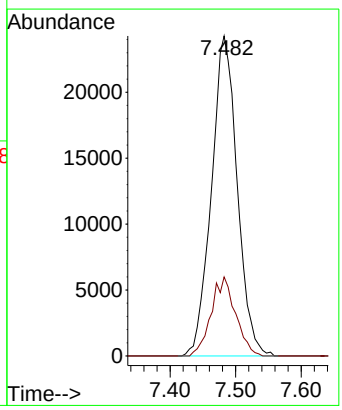


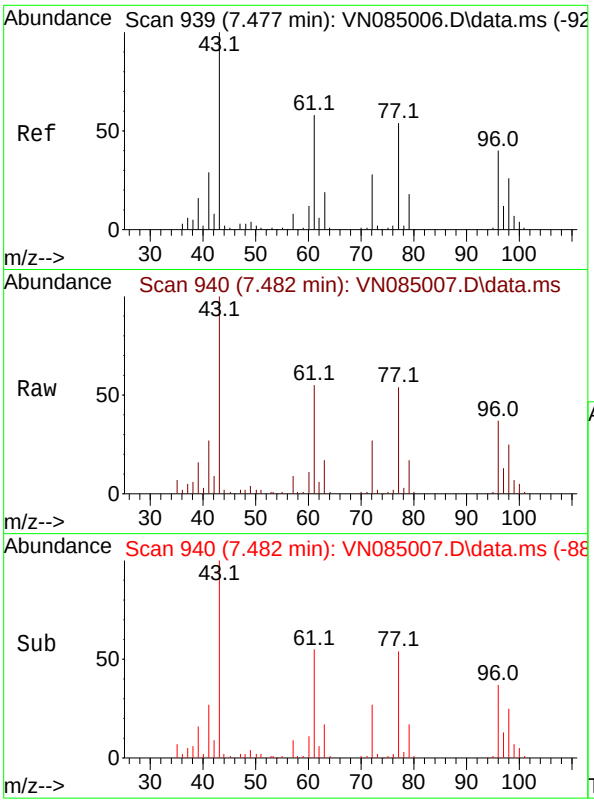


#26
2,2-Dichloropropane
Concen: 19.517 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 77 Resp: 66230

Ion	Ratio	Lower	Upper
77	100		
97	23.4	10.9	32.7



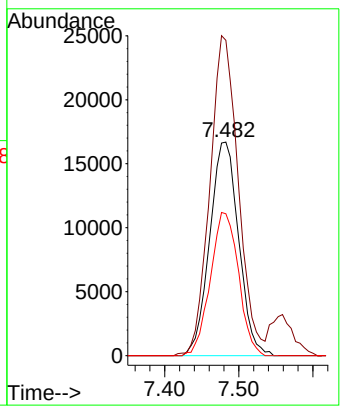


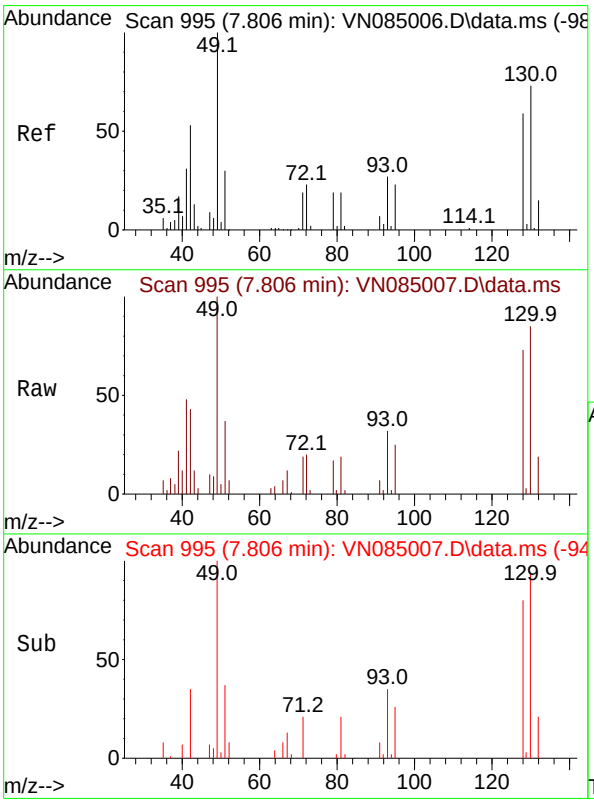
#27
cis-1,2-Dichloroethene
Concen: 19.953 ug/l
RT: 7.482 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 45307

Ion	Ratio	Lower	Upper
96	100		
61	147.1	0.0	291.6
98	65.1	0.0	129.8

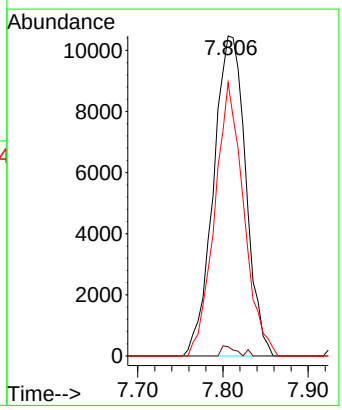


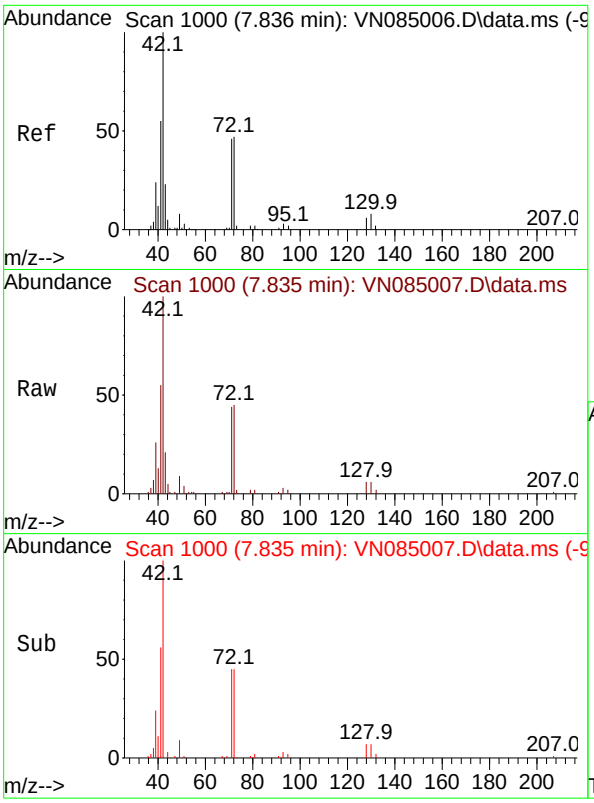


#28
Bromochloromethane
Concen: 20.092 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 49 Resp: 27564

Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.0
130	77.0	60.6	90.8



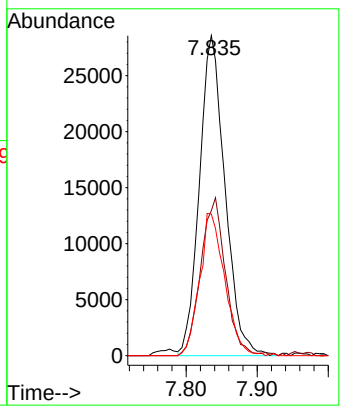


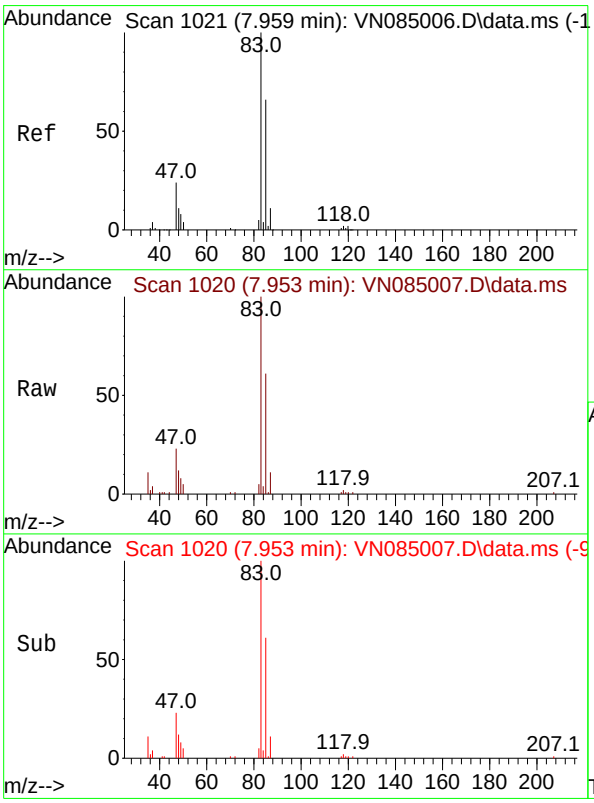
#29
Tetrahydrofuran
Concen: 100.618 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 71566

Ion	Ratio	Lower	Upper
42	100		
72	47.8	37.0	55.4
71	43.8	35.0	52.4

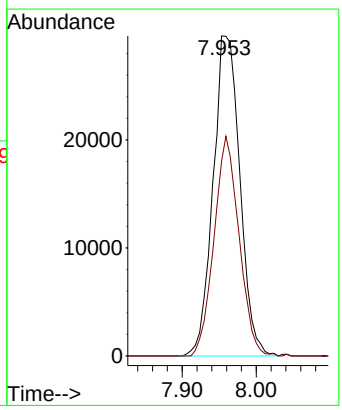


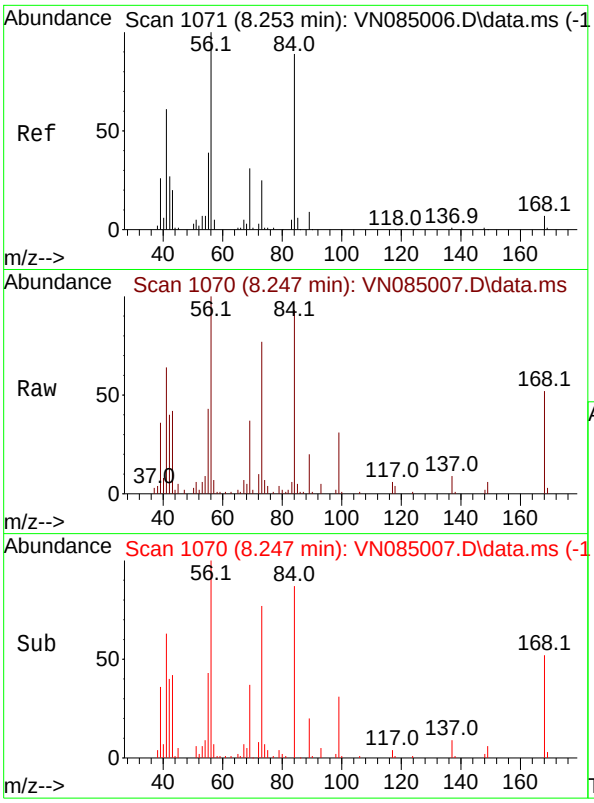


#30
Chloroform
Concen: 19.270 ug/l
RT: 7.953 min Scan# 1020
Delta R.T. -0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 83 Resp: 74495

Ion	Ratio	Lower	Upper
83	100		
85	60.8	52.6	78.8



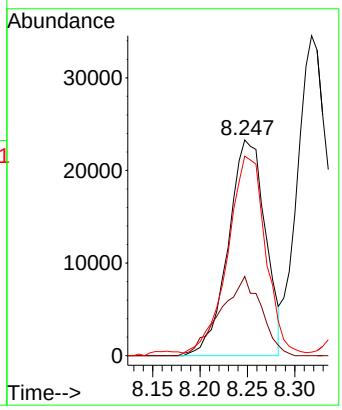


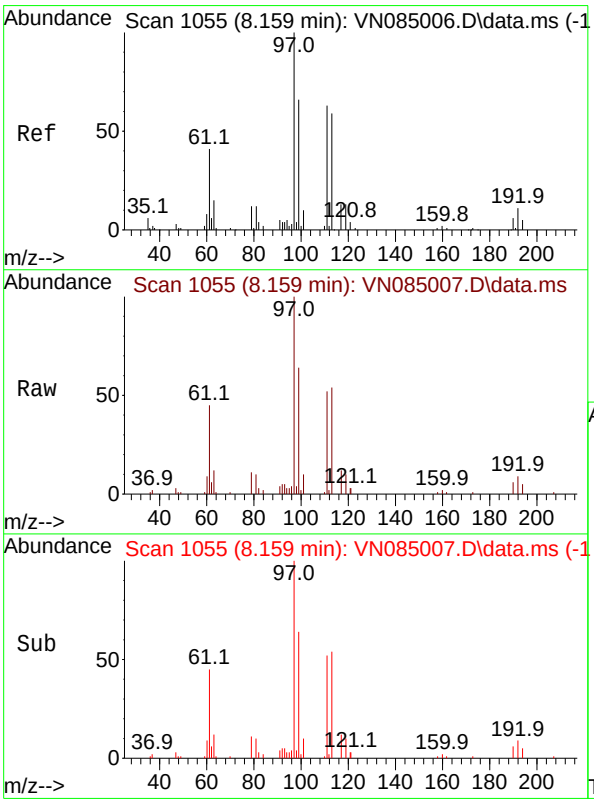
#31
Cyclohexane
Concen: 19.852 ug/l
RT: 8.247 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 63521

Ion	Ratio	Lower	Upper
56	100		
69	36.7	24.6	36.8
84	90.7	71.4	107.2

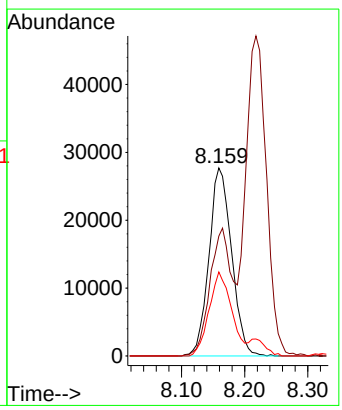


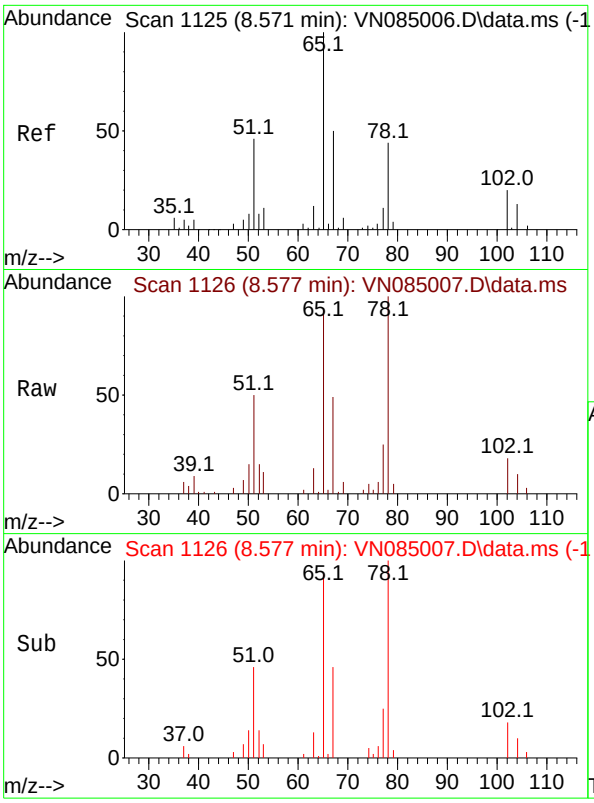


#32
1,1,1-Trichloroethane
Concen: 19.725 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 97 Resp: 68908

Ion	Ratio	Lower	Upper
97	100		
99	67.5	51.0	76.4
61	44.3	36.2	54.2



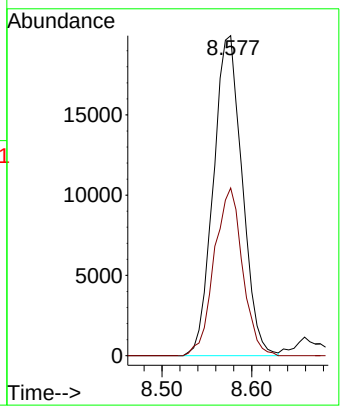


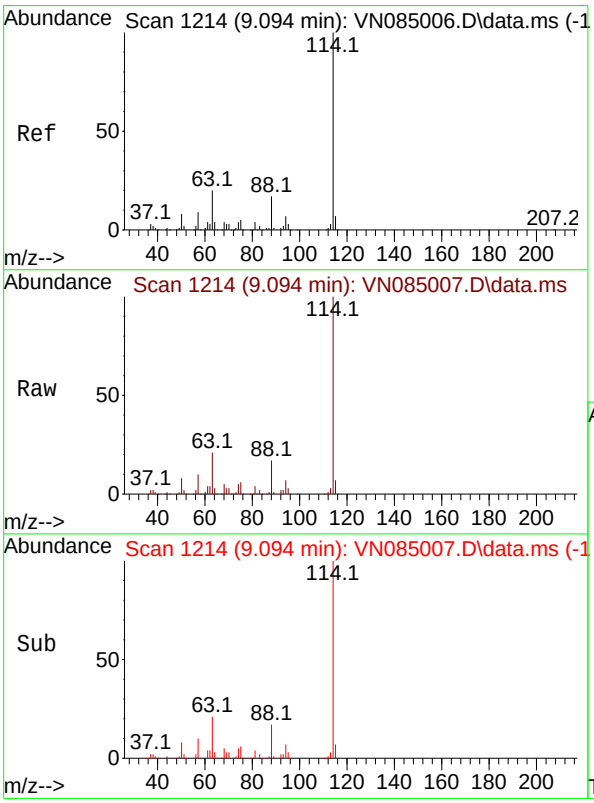
#33
1,2-Dichloroethane-d4
Concen: 18.483 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 44399

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	105.0

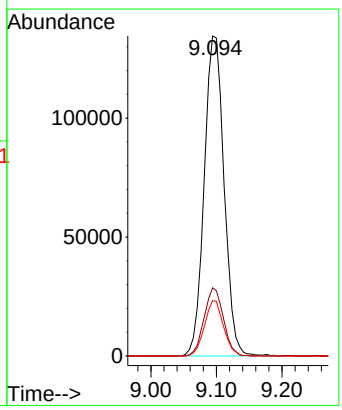


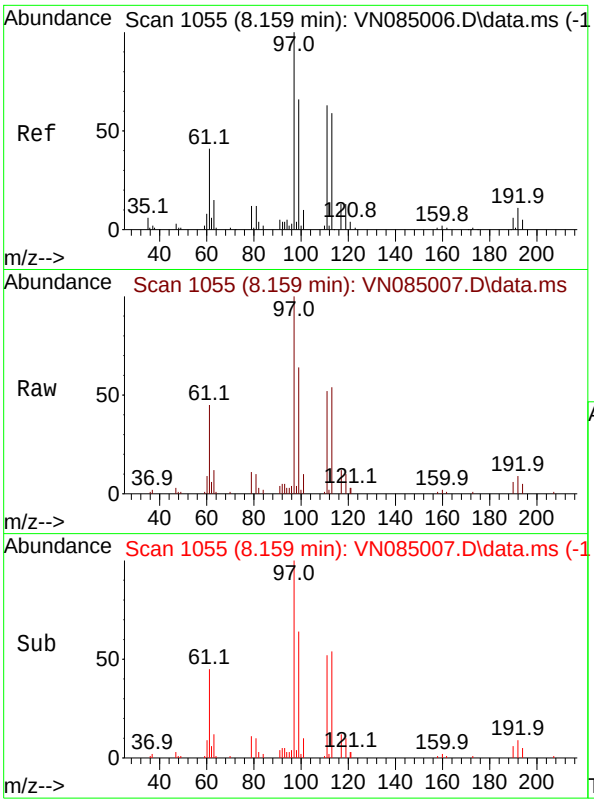


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:114 Resp: 283685

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	41.0
88	17.3	0.0	34.8



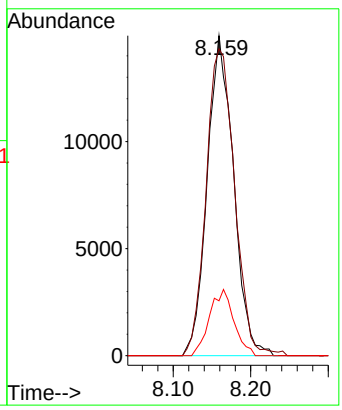


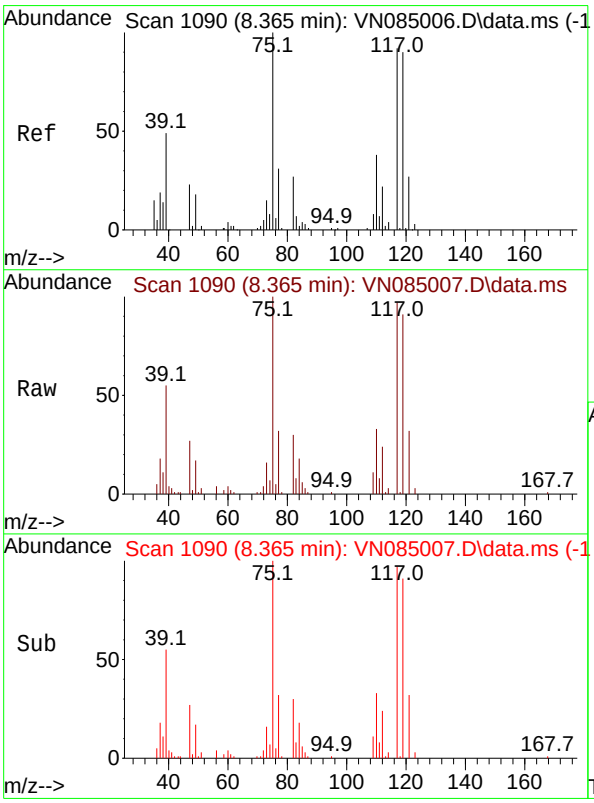
#35
Dibromofluoromethane
Concen: 18.466 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 35327

Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.0	123.0
192	19.2	14.8	22.2

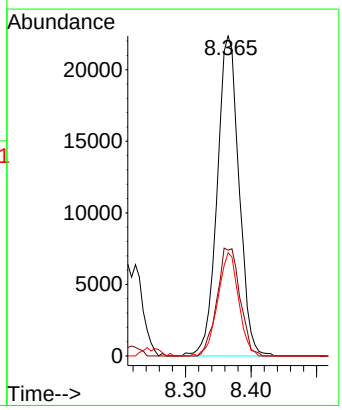


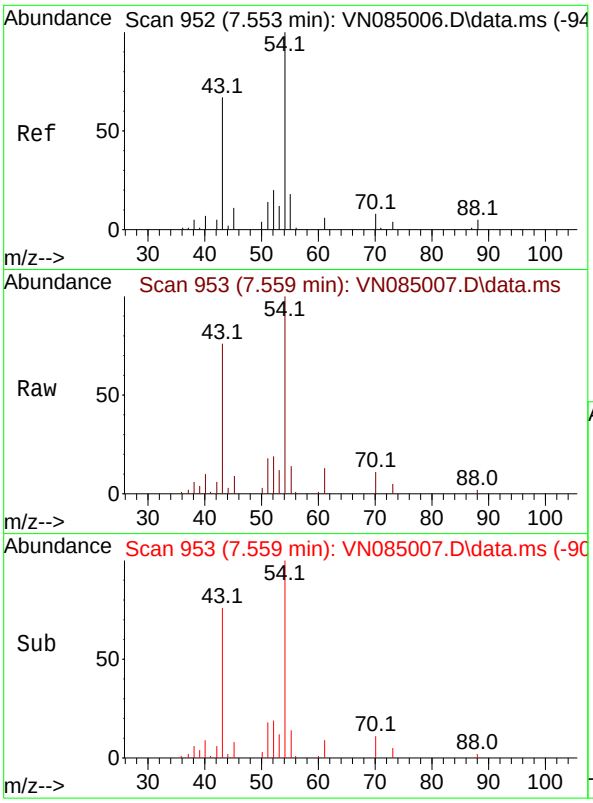


#36
1,1-Dichloropropene
Concen: 19.888 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 75 Resp: 51535

Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.2	51.6
77	30.9	24.2	36.4



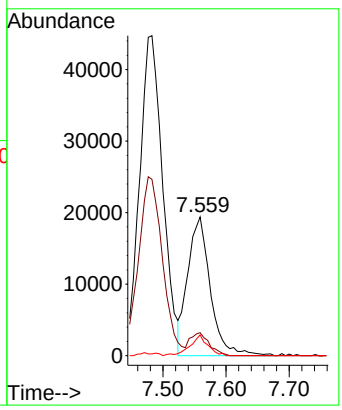


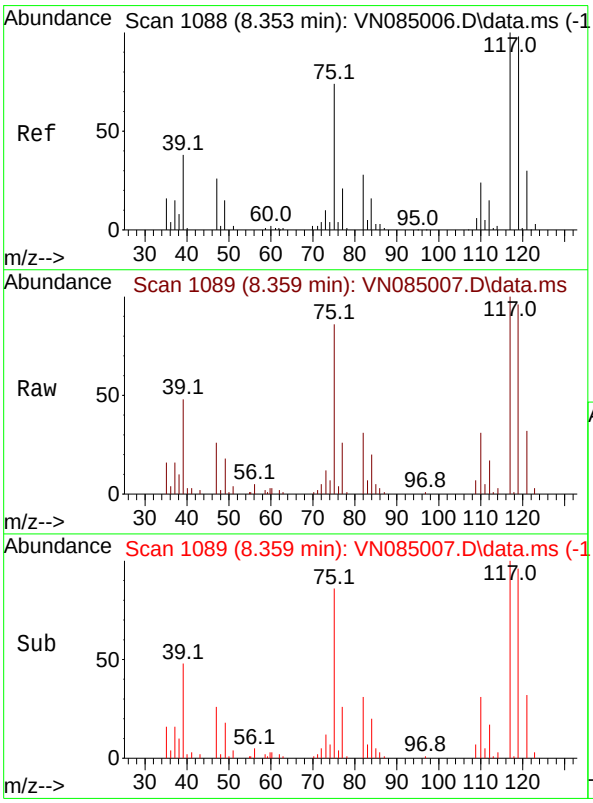
#37
Ethyl Acetate
Concen: 20.561 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 48436

Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.7	17.5
70	11.7	9.3	13.9

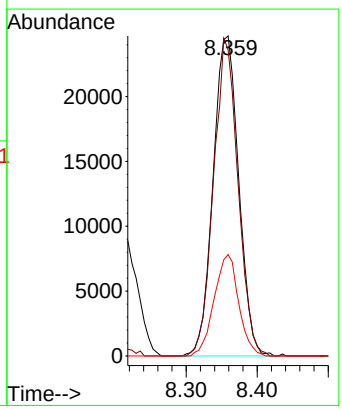


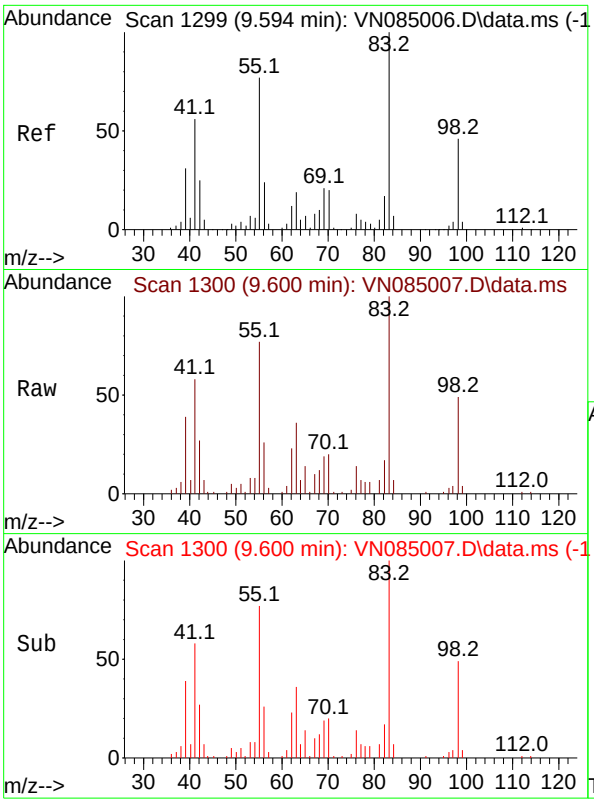


#38
Carbon Tetrachloride
Concen: 20.593 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:117 Resp: 61594

Ion	Ratio	Lower	Upper
117	100		
119	95.7	78.6	117.8
121	31.7	24.2	36.2



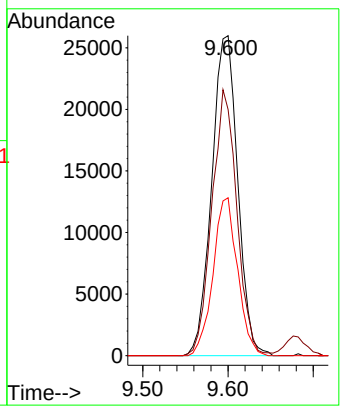


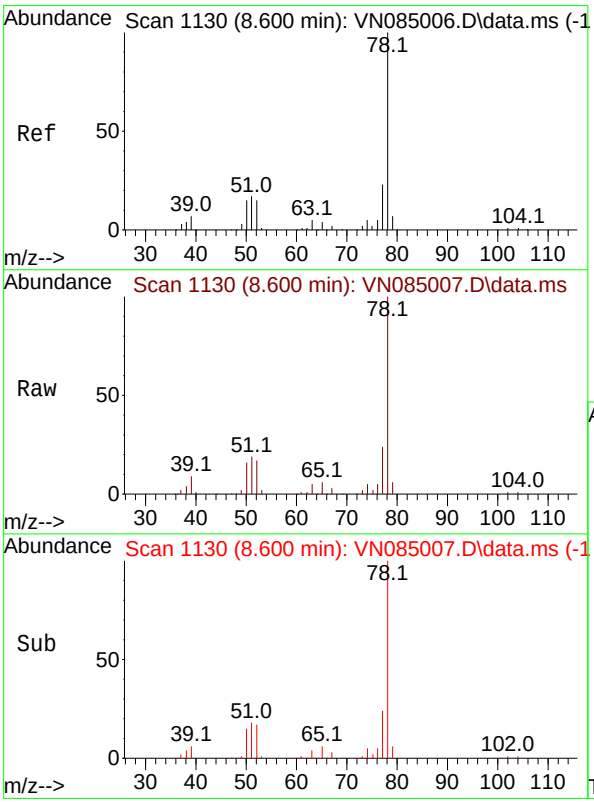
#39
Methylcyclohexane
Concen: 20.464 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 55102

Ion	Ratio	Lower	Upper
83	100		
55	76.9	61.8	92.6
98	49.4	37.0	55.6

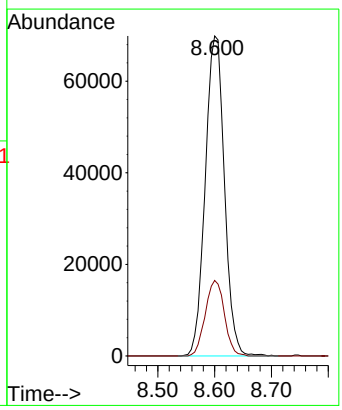


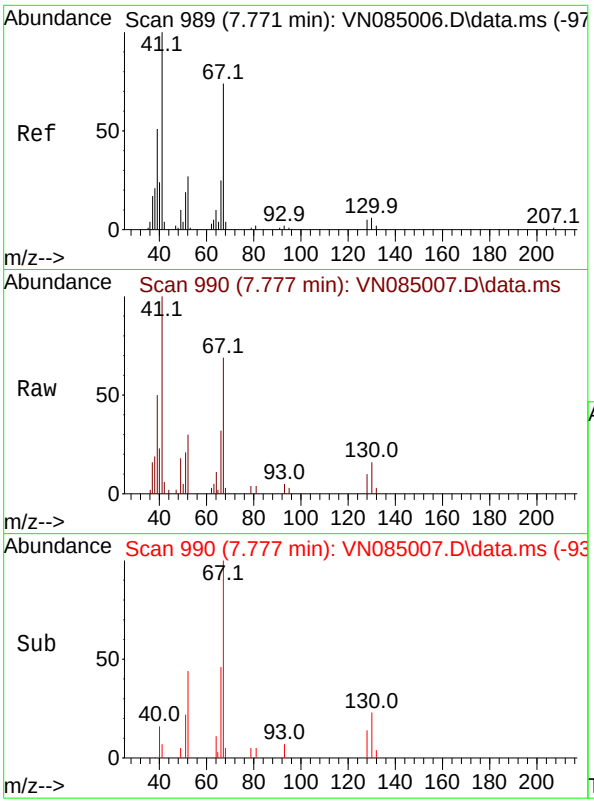


#40
Benzene
Concen: 19.977 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 78 Resp: 163727

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.5	27.7



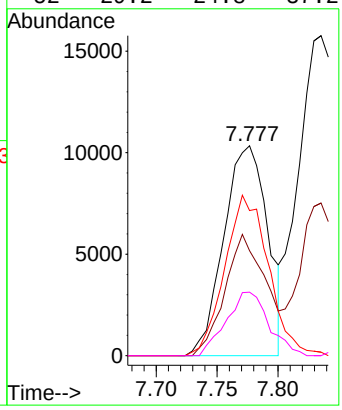


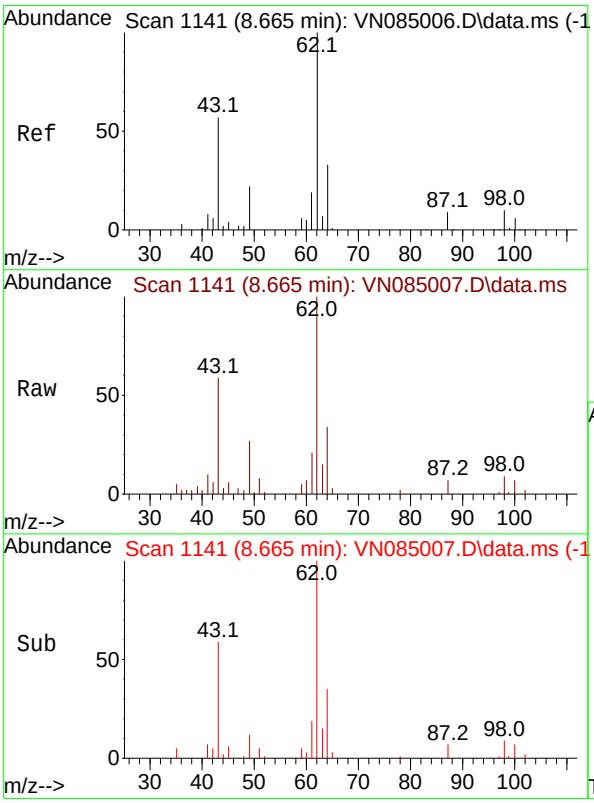
#41
Methacrylonitrile
Concen: 19.942 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 26011

Ion	Ratio	Lower	Upper
41	100		
39	53.0	42.6	63.8
67	75.9	59.9	89.9
52	29.2	24.8	37.2

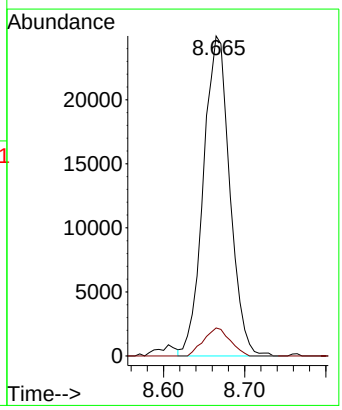


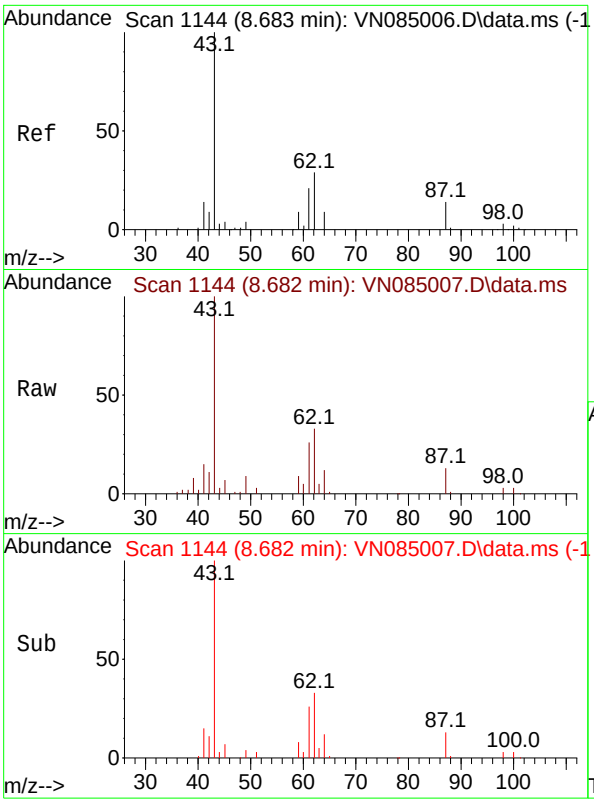


#42
1,2-Dichloroethane
Concen: 20.106 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 62 Resp: 56374

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.2



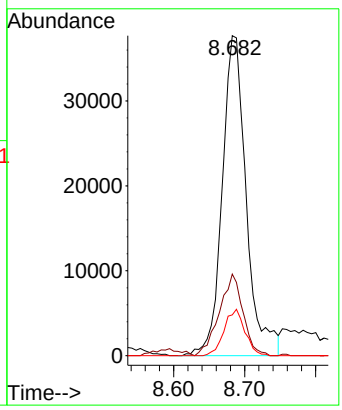


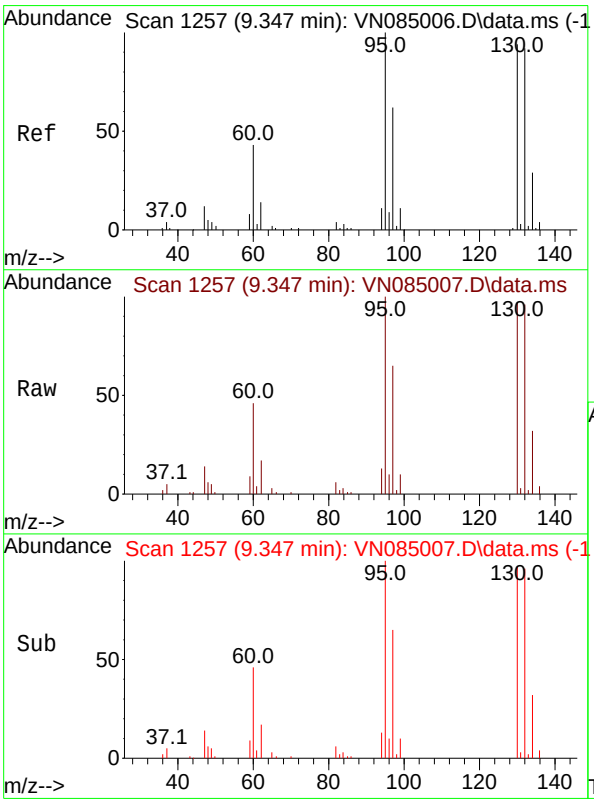
#43
Isopropyl Acetate
Concen: 18.116 ug/l
RT: 8.682 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 88647

Ion	Ratio	Lower	Upper
43	100		
61	25.1	20.6	30.8
87	12.6	11.0	16.4

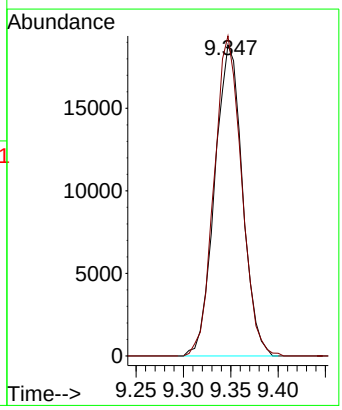


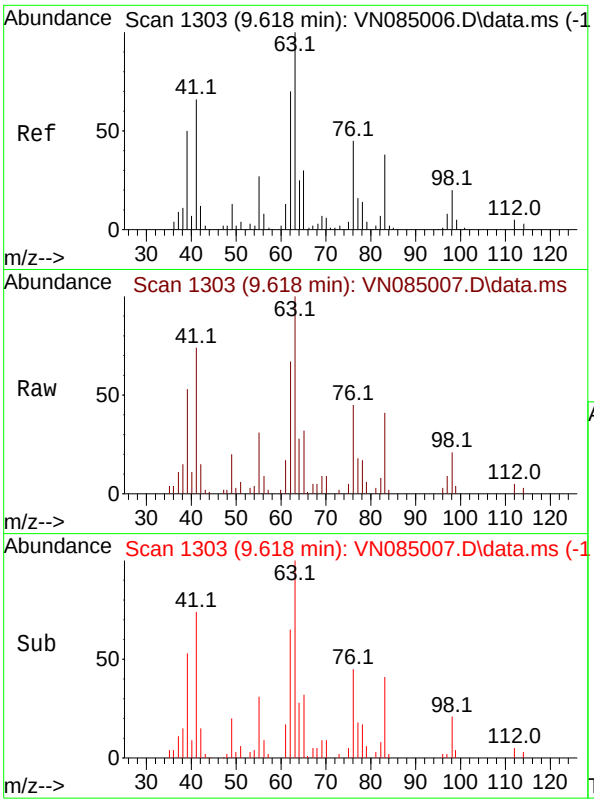


#44
Trichloroethene
Concen: 20.127 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:130 Resp: 38334

Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	213.4



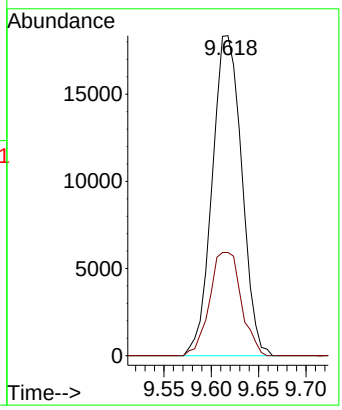


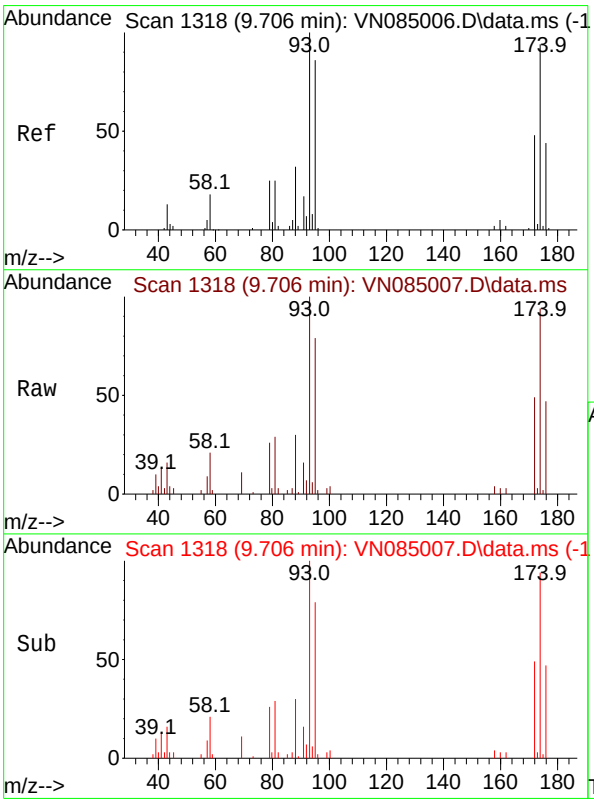
#45
1,2-Dichloropropane
Concen: 19.742 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 39852

Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.0	36.0

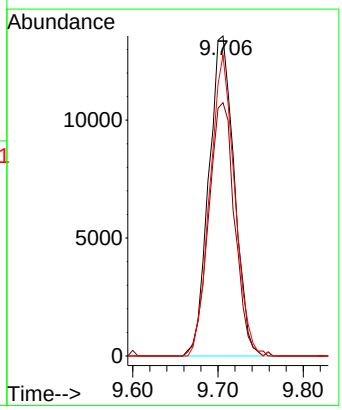


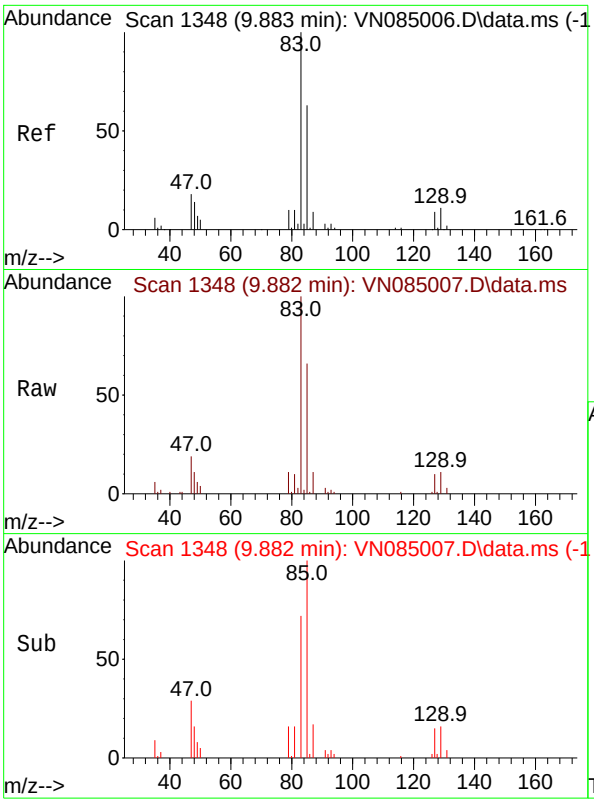


#46
Dibromomethane
Concen: 20.062 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 93 Resp: 28140

Ion	Ratio	Lower	Upper
93	100		
95	81.2	66.2	99.4
174	91.4	74.9	112.3



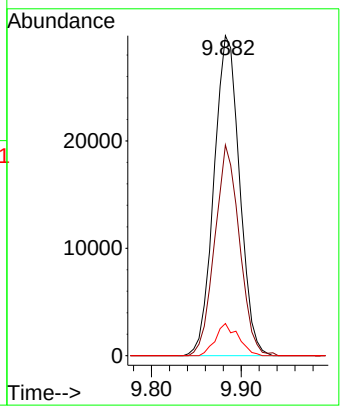


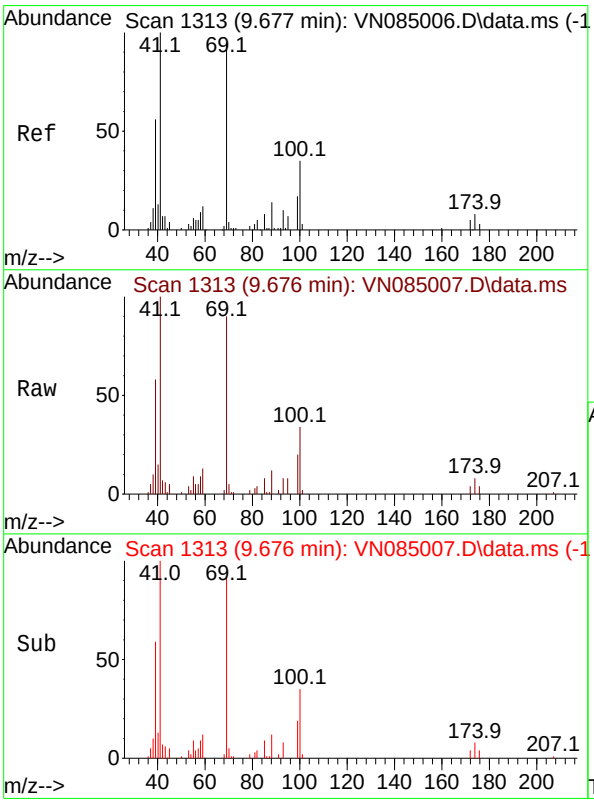
#47
Bromodichloromethane
Concen: 19.849 ug/l
RT: 9.882 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 59008

Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.5	75.7
127	10.0	7.1	10.7

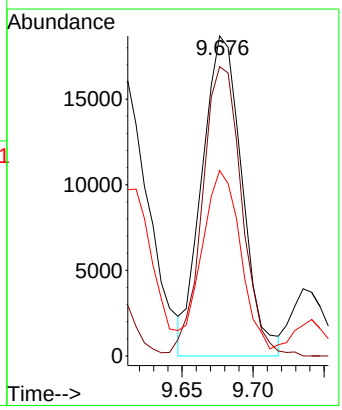


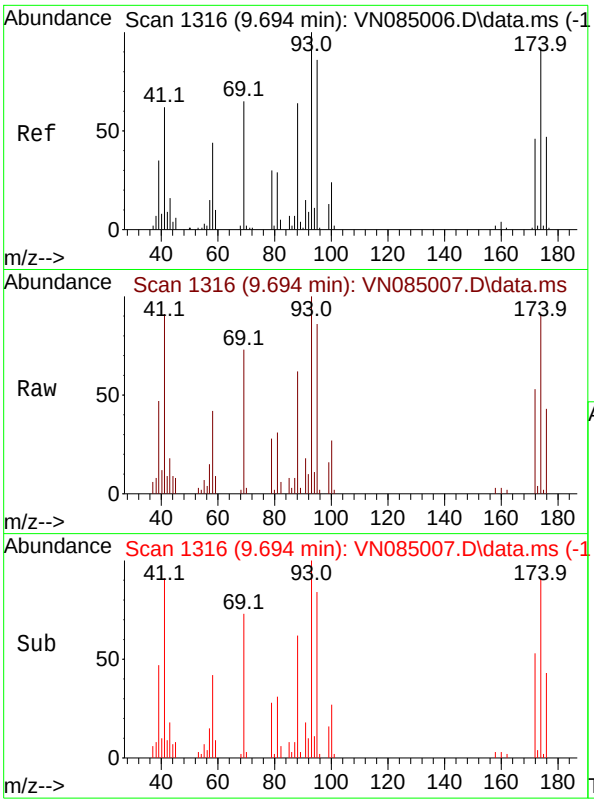


#48
Methyl methacrylate
Concen: 20.148 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 41 Resp: 36687

Ion	Ratio	Lower	Upper
41	100		
69	89.2	73.2	109.8
39	56.9	46.2	69.4



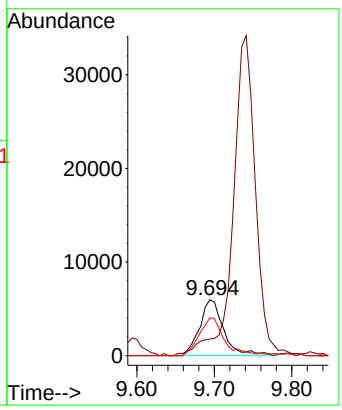


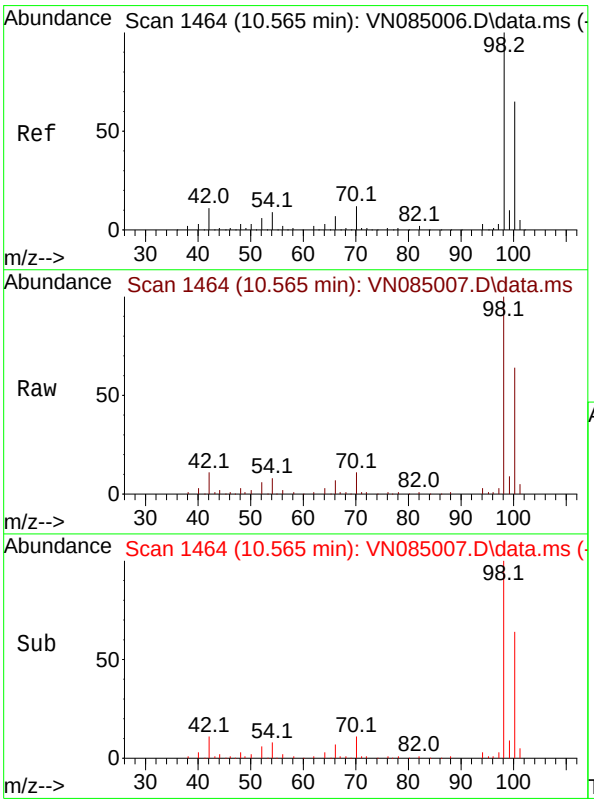
#49
1,4-Dioxane
Concen: 410.958 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 12977

Ion	Ratio	Lower	Upper
88	100		
43	0.0	16.7	25.1#
58	70.3	56.5	84.7

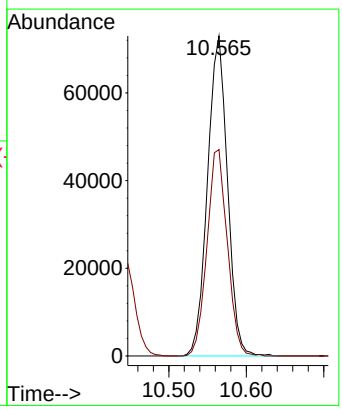


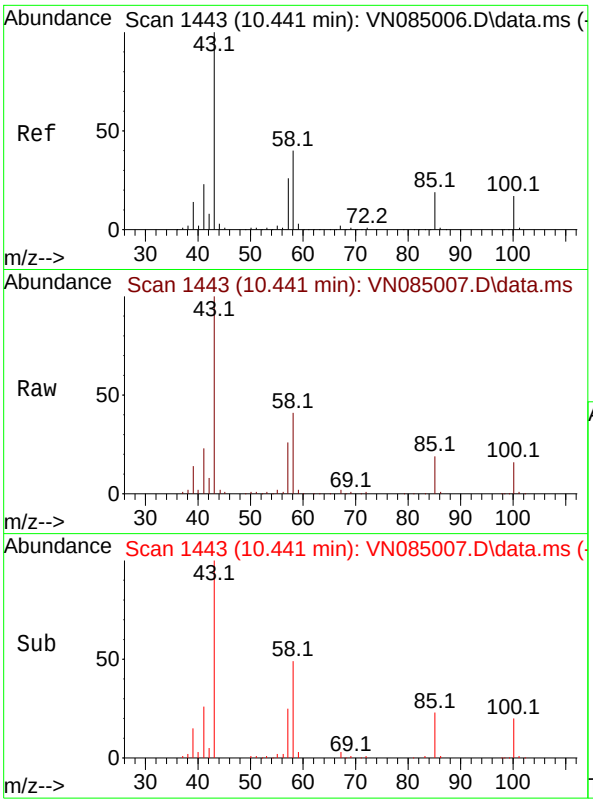


#50
Toluene-d8
Concen: 19.066 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 98 Resp: 130719

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.5	78.7



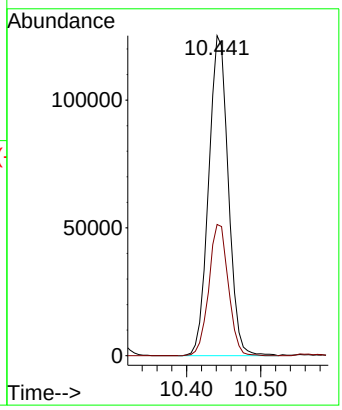


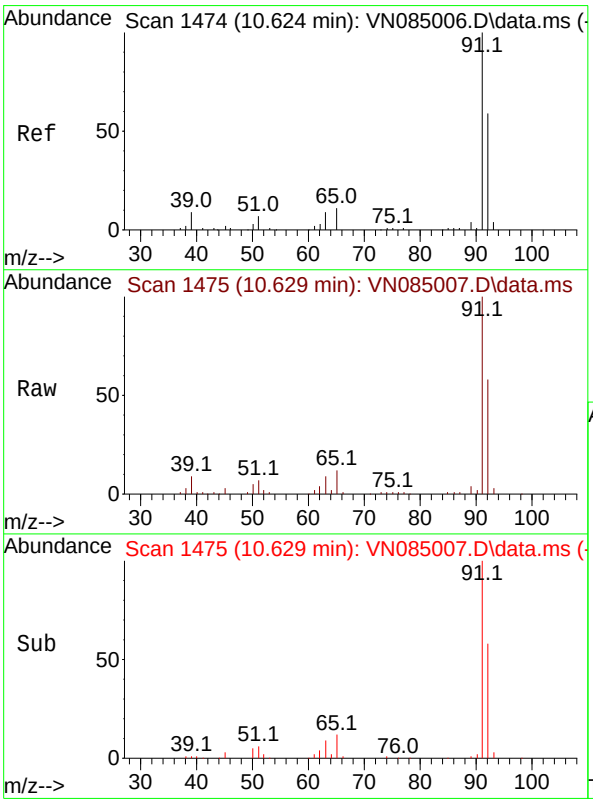
#51
4-Methyl-2-Pentanone
Concen: 103.015 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 230239

Ion	Ratio	Lower	Upper
43	100		
58	40.7	32.1	48.1

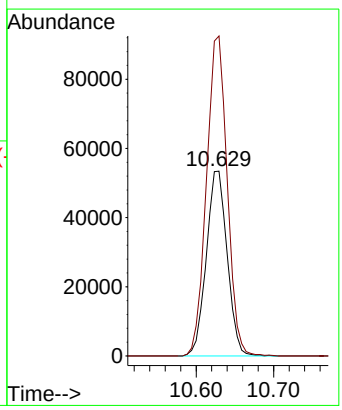


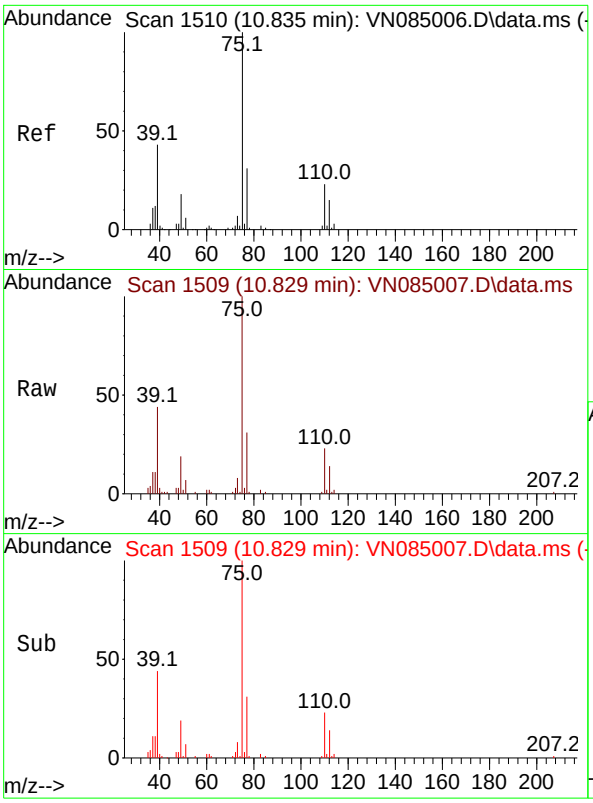


#52
Toluene
Concen: 20.615 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 92 Resp: 100021

Ion	Ratio	Lower	Upper
92	100		
91	171.9	136.7	205.1



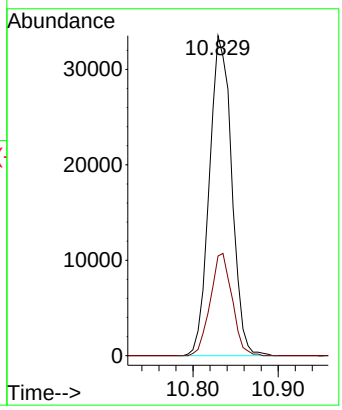


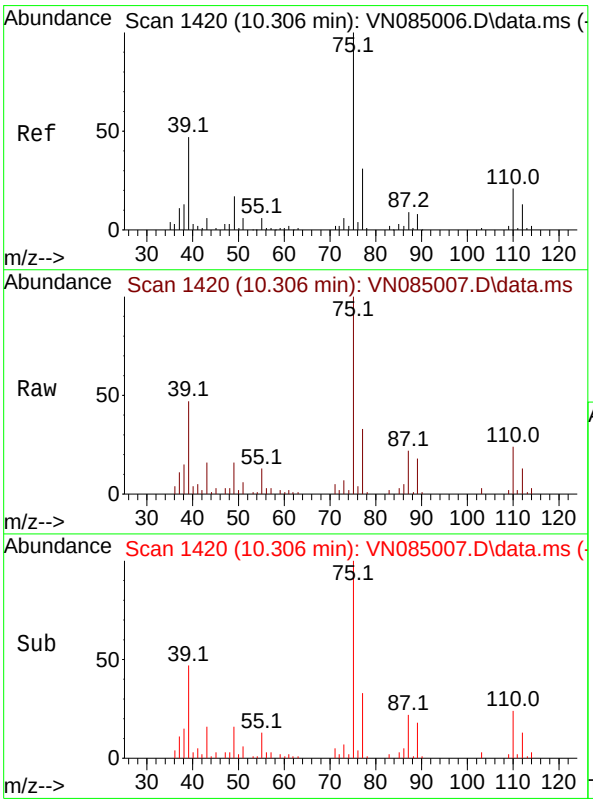
#53
t-1,3-Dichloropropene
Concen: 20.539 ug/l
RT: 10.829 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 61215

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4

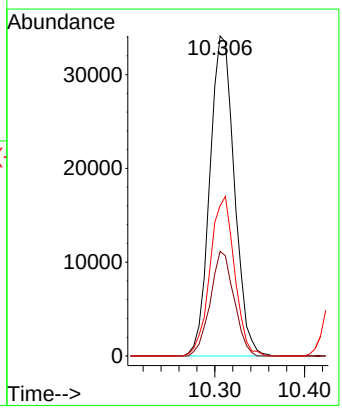


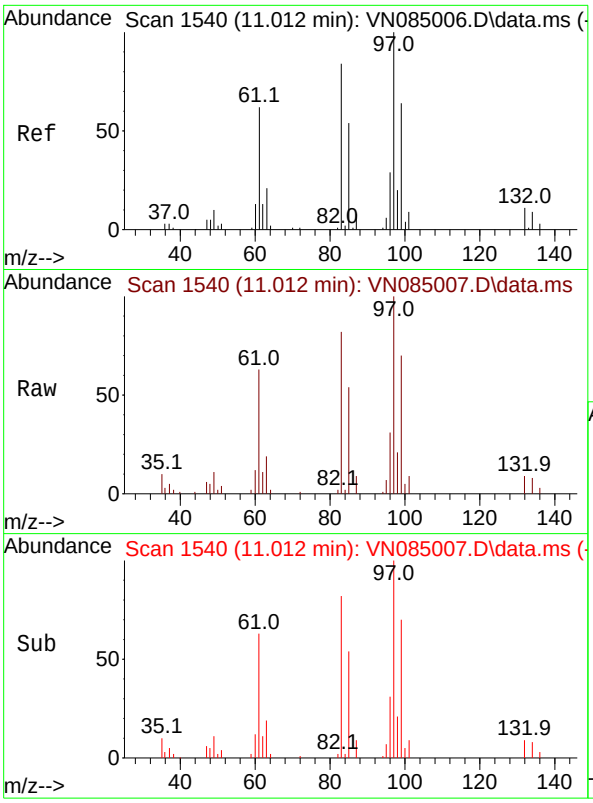


#54
cis-1,3-Dichloropropene
Concen: 20.501 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 75 Resp: 64823

Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.0	37.4
39	47.0	37.6	56.4



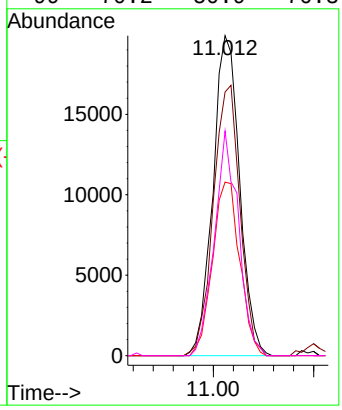


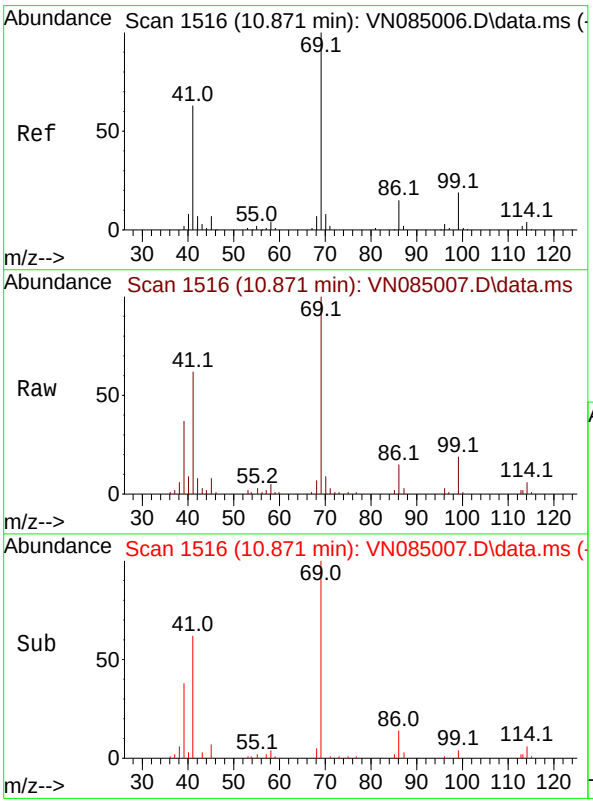
#55
1,1,2-Trichloroethane
Concen: 20.326 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 36732

Ion	Ratio	Lower	Upper
97	100		
83	82.4	67.4	101.2
85	54.3	43.1	64.7
99	70.2	50.9	76.3

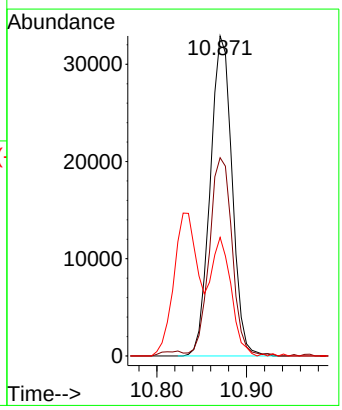


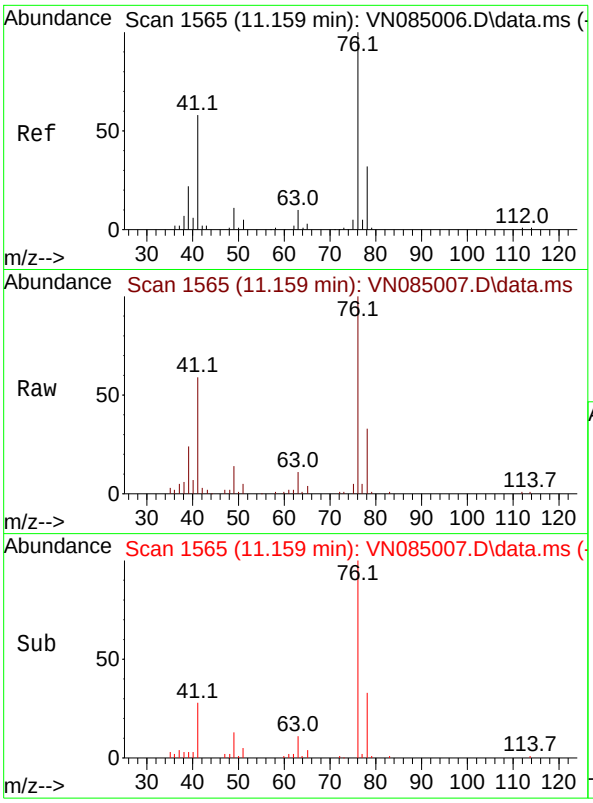


#56
Ethyl methacrylate
Concen: 21.089 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 69 Resp: 55691

Ion	Ratio	Lower	Upper
69	100		
41	64.8	50.0	75.0
39	34.2	27.0	40.6



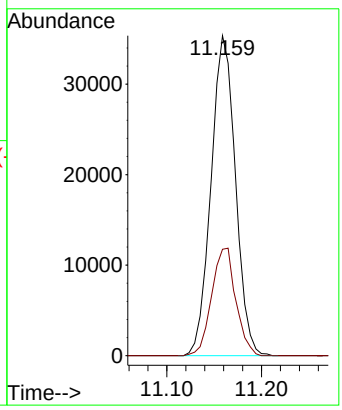


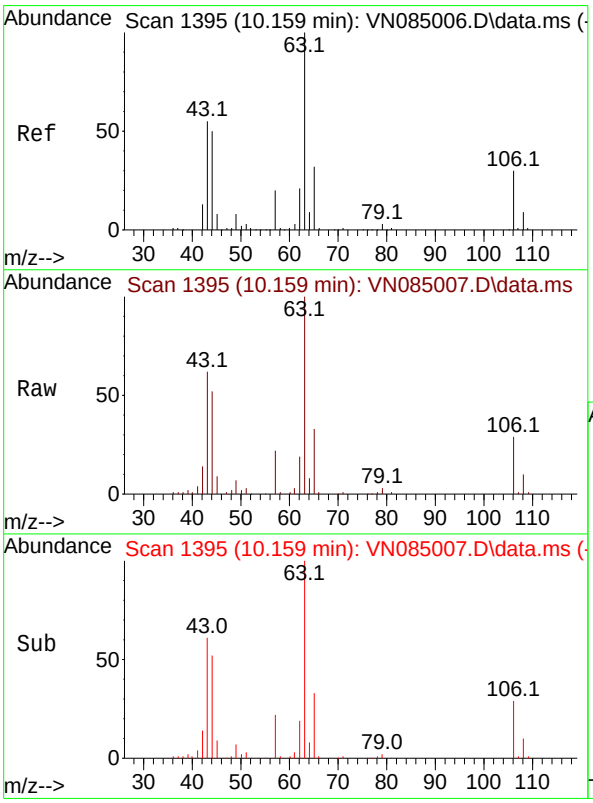
#57
1,3-Dichloropropane
Concen: 19.906 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 63314

Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.1	39.1

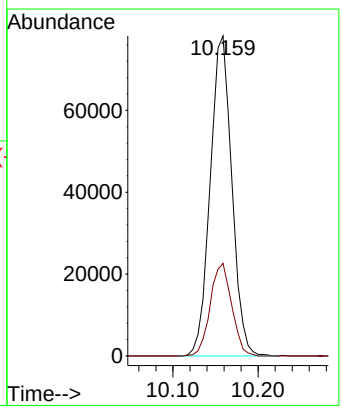


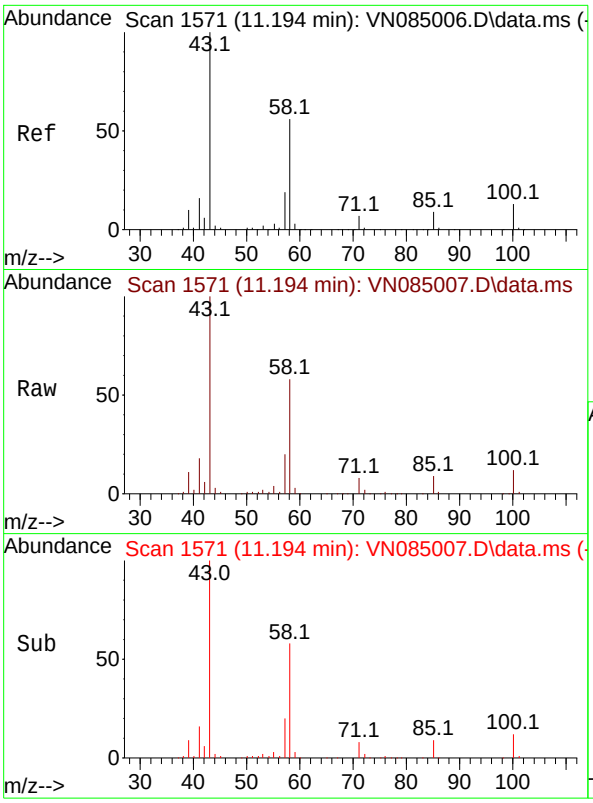


#58
2-Chloroethyl Vinyl ether
Concen: 106.227 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 63 Resp: 137602

Ion	Ratio	Lower	Upper
63	100		
106	28.7	23.0	34.6



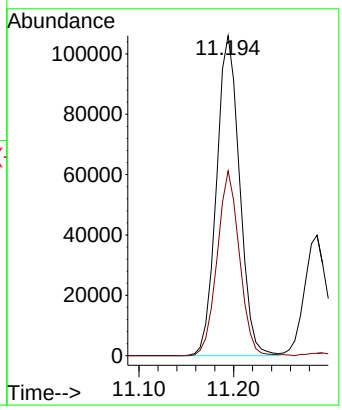


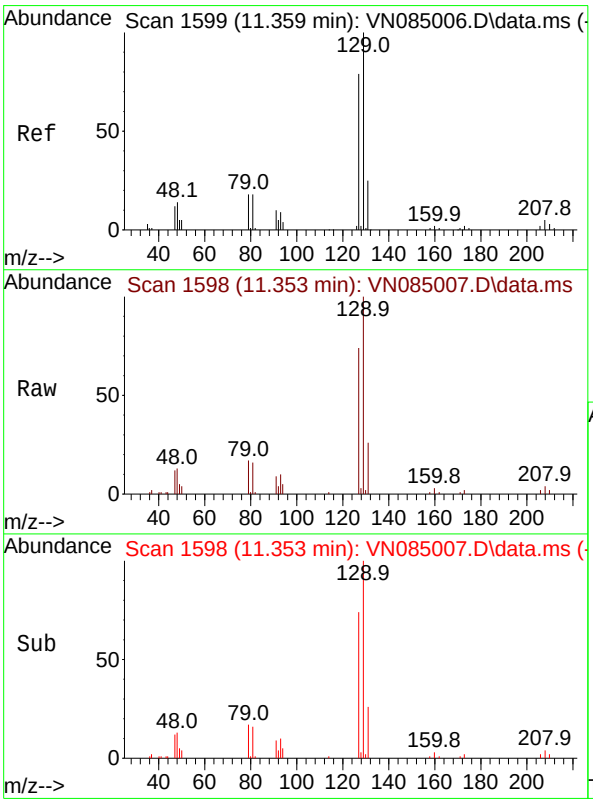
#59
2-Hexanone
Concen: 107.514 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 179717

Ion	Ratio	Lower	Upper
43	100		
58	55.7	28.3	85.0

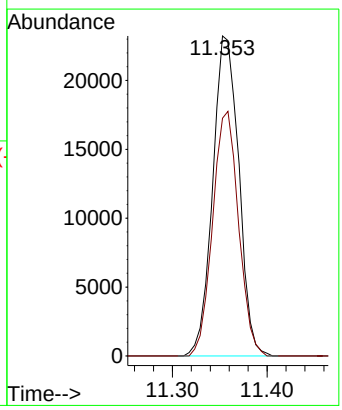


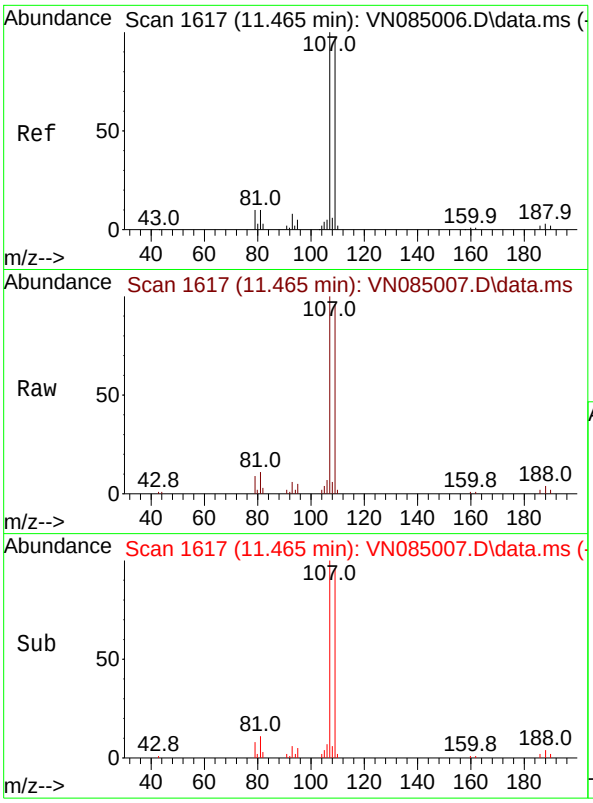


#60
Dibromochloromethane
Concen: 20.126 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:129 Resp: 44450

Ion	Ratio	Lower	Upper
129	100		
127	75.9	39.2	117.6



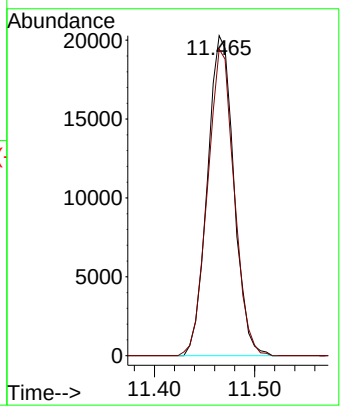


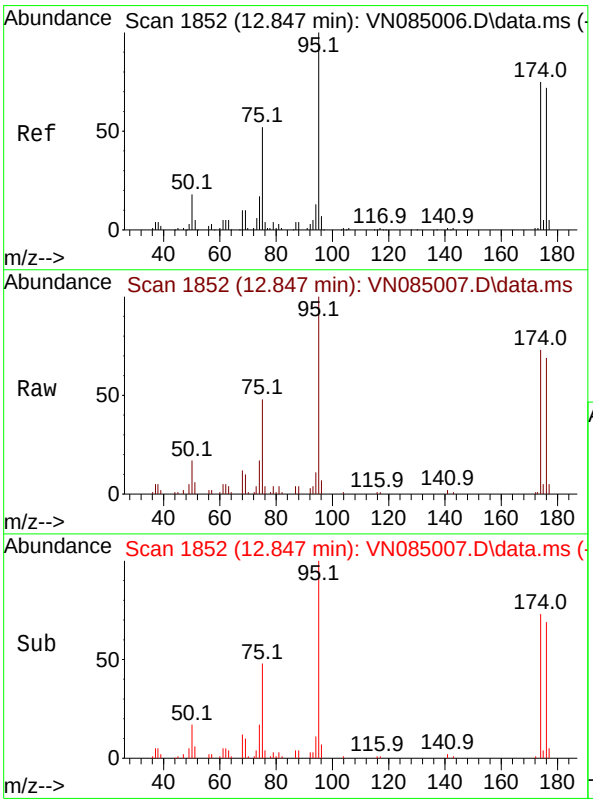
#61
1,2-Dibromoethane
Concen: 19.905 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 37228

Ion	Ratio	Lower	Upper
107	100		
109	96.2	76.1	114.1

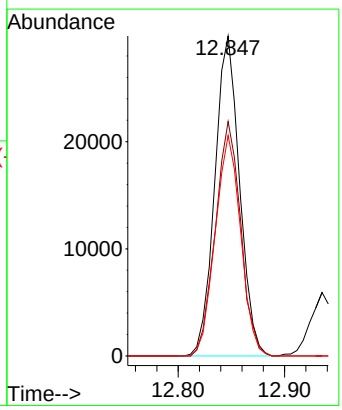


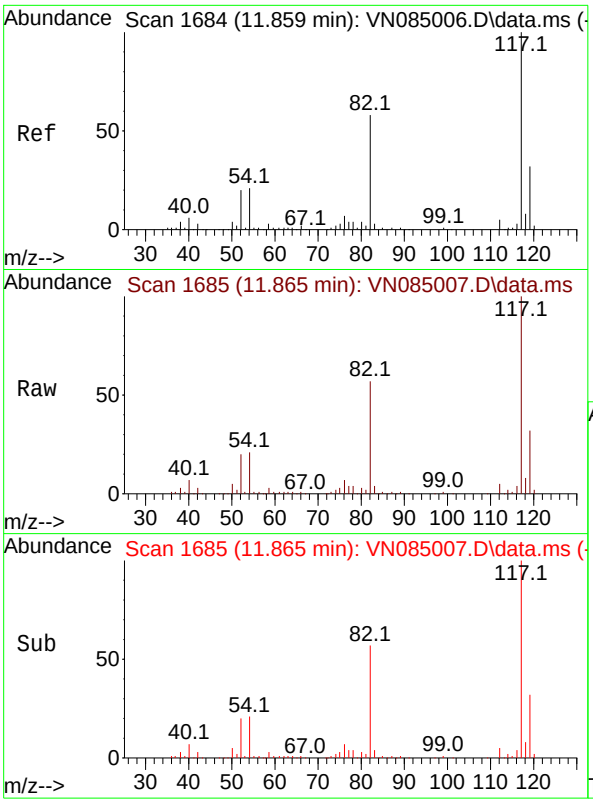


#62
4-Bromofluorobenzene
Concen: 18.797 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 95 Resp: 48193

Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	146.6
176	70.8	0.0	141.8



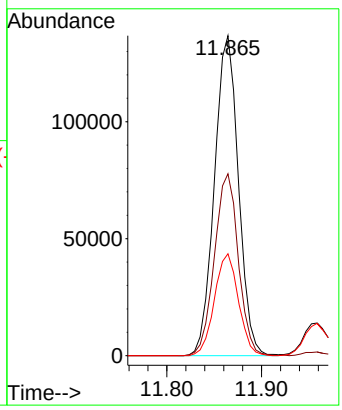


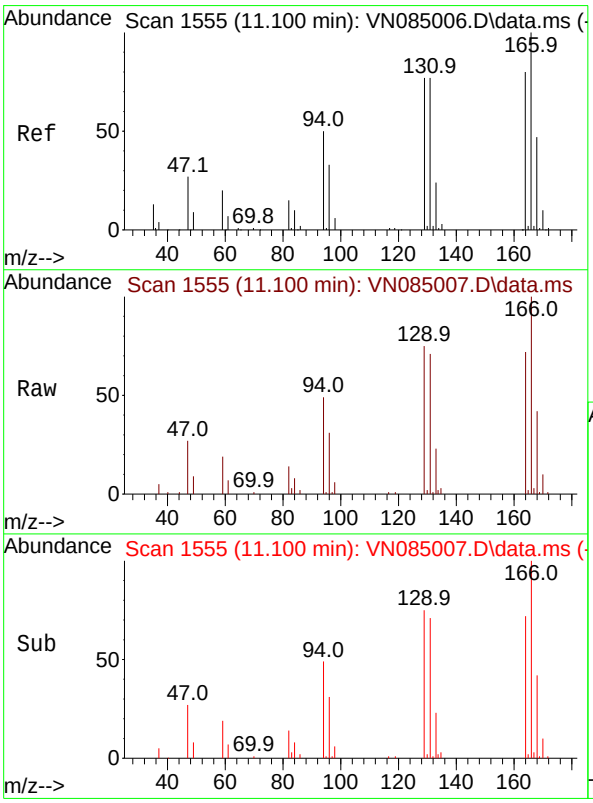
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 240895

Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.0	69.0
119	31.8	25.6	38.4

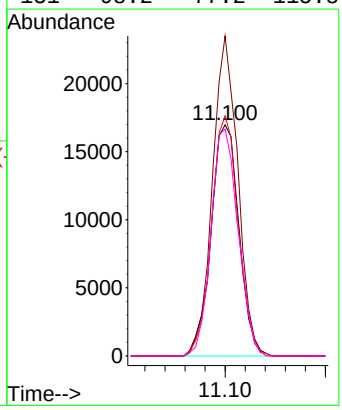


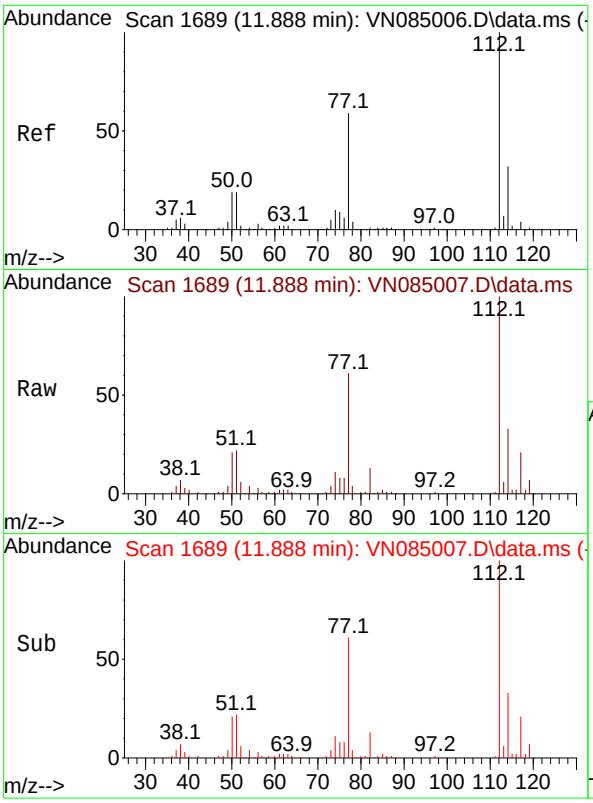


#64
Tetrachloroethene
Concen: 20.155 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:164 Resp: 32716

Ion	Ratio	Lower	Upper
164	100		
166	138.5	100.6	151.0
129	103.9	77.7	116.5
131	98.2	77.2	115.8



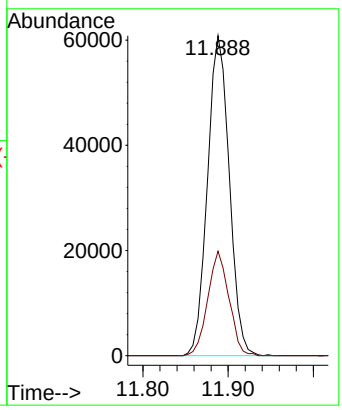


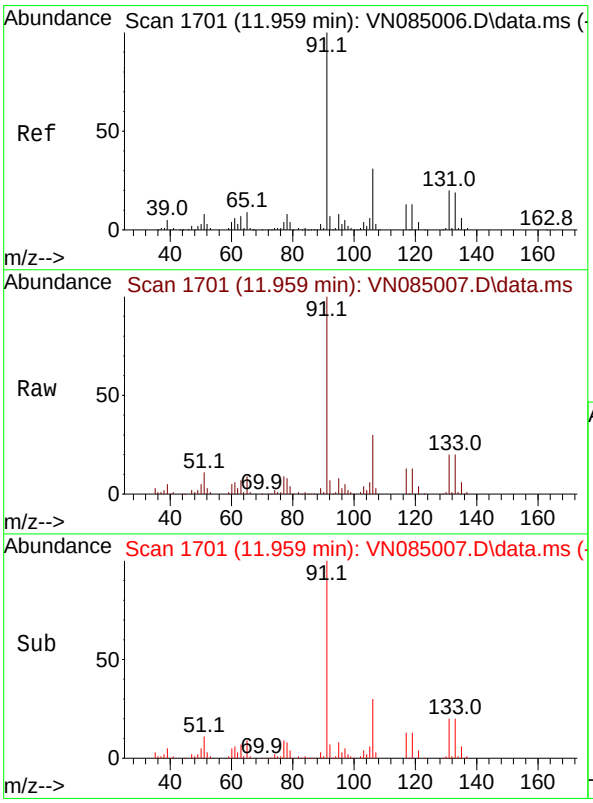
#65
Chlorobenzene
Concen: 19.815 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 108255

Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.8	38.6

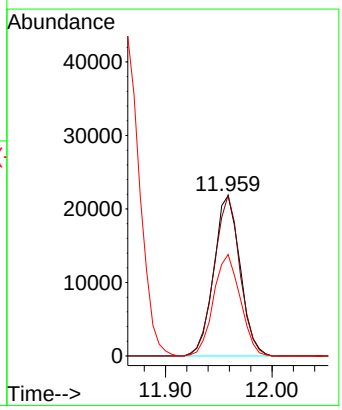


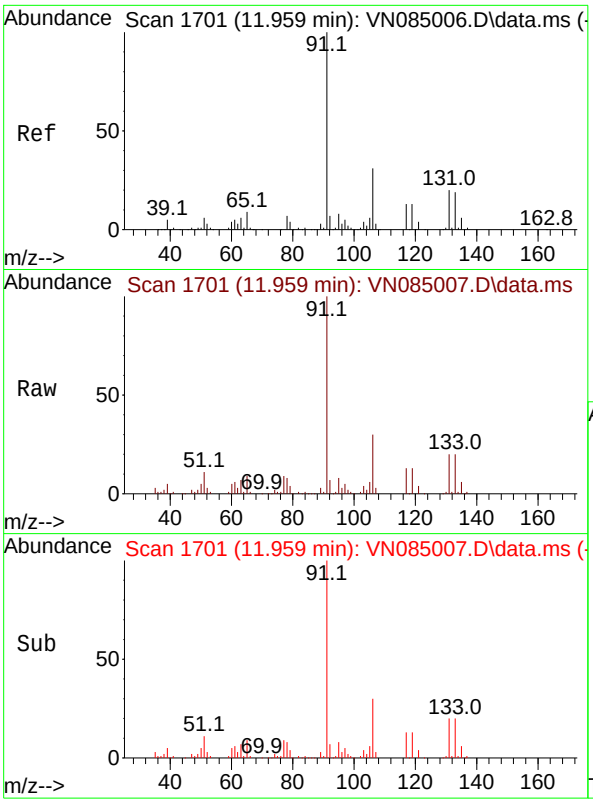


#66
1,1,1,2-Tetrachloroethane
Concen: 19.446 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:131 Resp: 37404

Ion	Ratio	Lower	Upper
131	100		
133	98.4	47.8	143.4
119	64.4	32.1	96.3



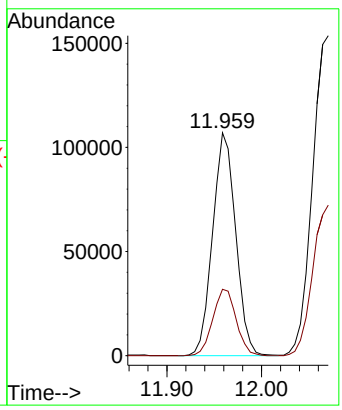


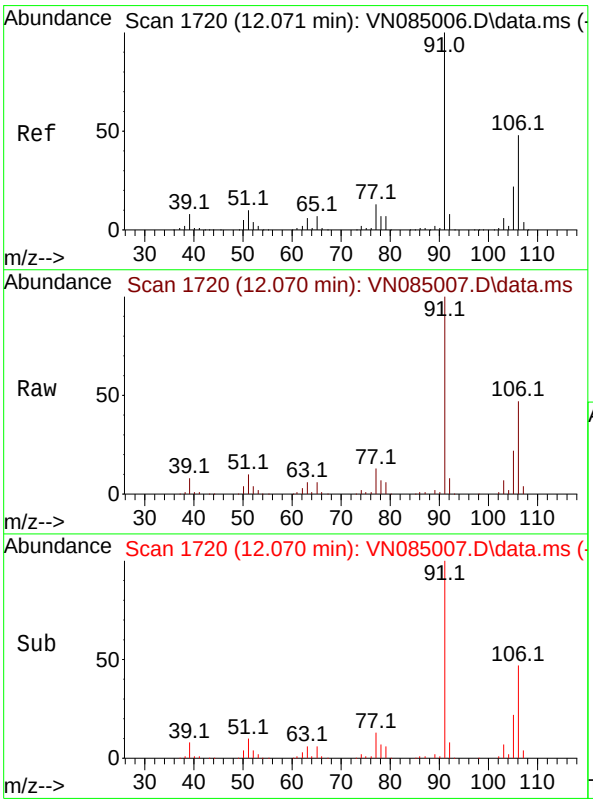
#67
Ethyl Benzene
Concen: 20.440 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 181169

Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.7	37.1

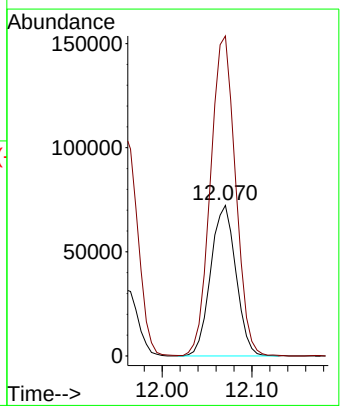


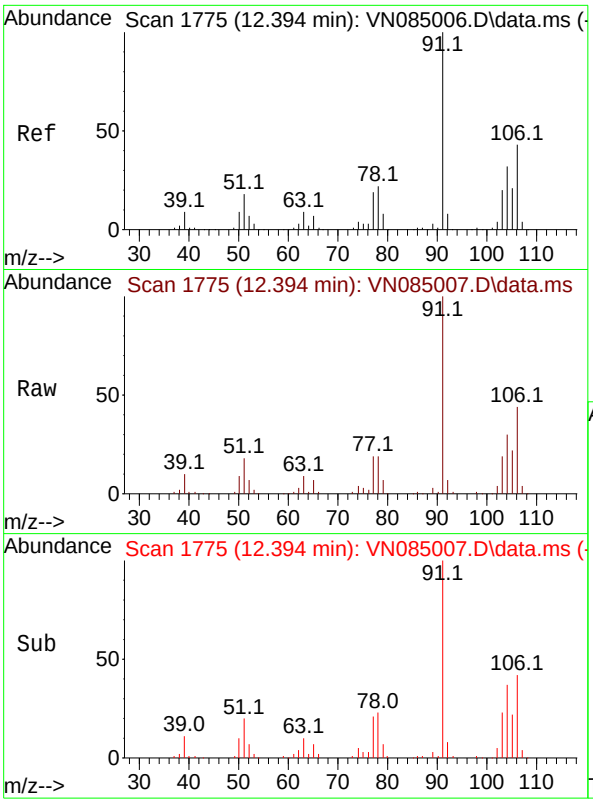


#68
m/p-Xylenes
Concen: 41.824 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:106 Resp: 141133

Ion	Ratio	Lower	Upper
106	100		
91	211.1	168.0	252.0



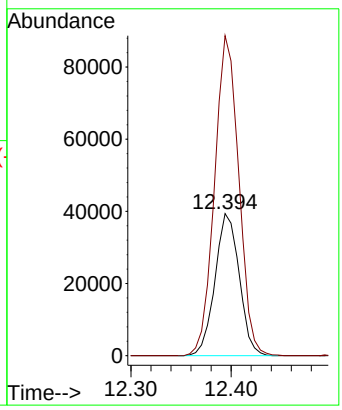


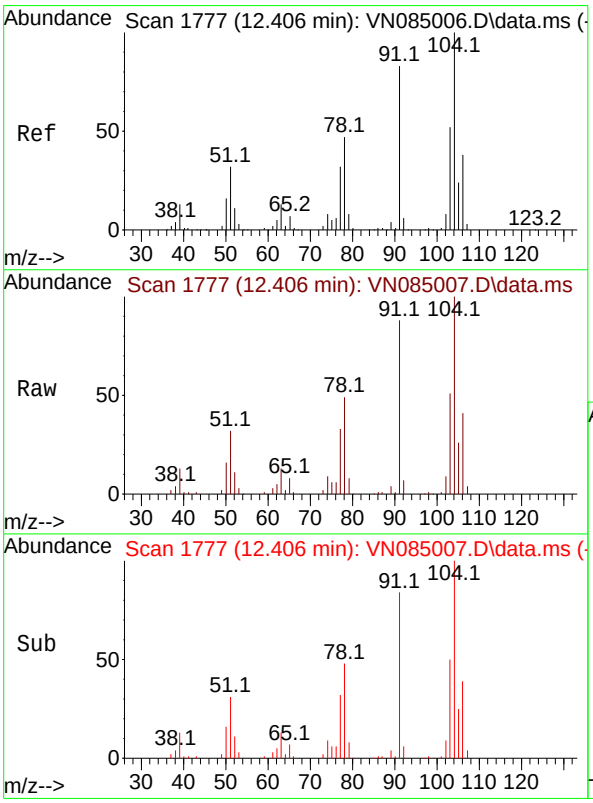
#69
o-Xylene
Concen: 20.565 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 66013

Ion	Ratio	Lower	Upper
106	100		
91	225.4	110.7	331.9

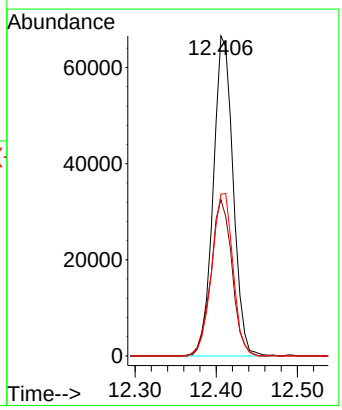


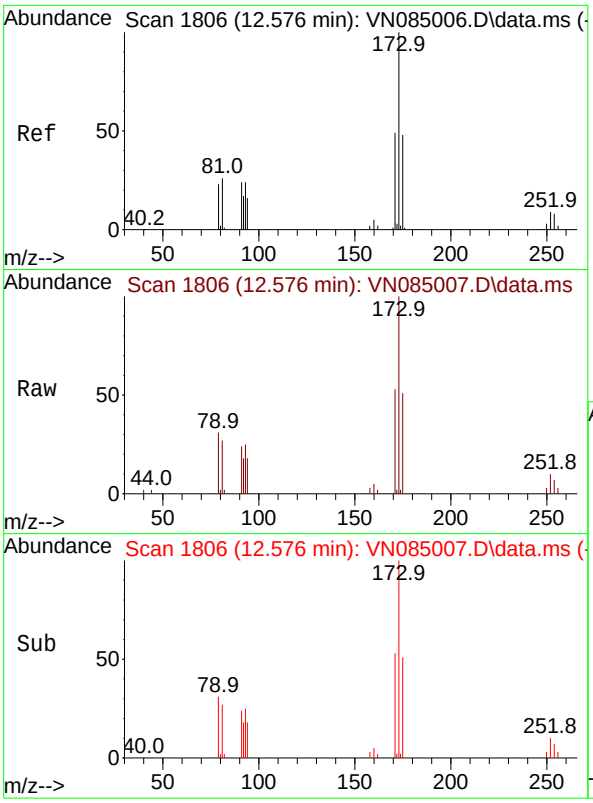


#70
Styrene
Concen: 21.263 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:104 Resp: 113503

Ion	Ratio	Lower	Upper
104	100		
78	51.9	42.3	63.5
103	54.2	44.2	66.2



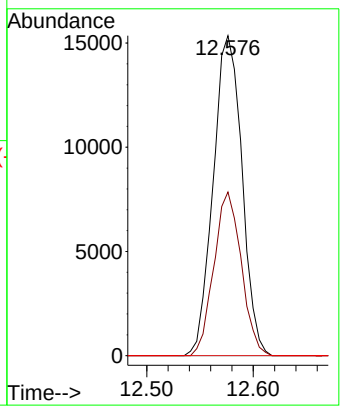


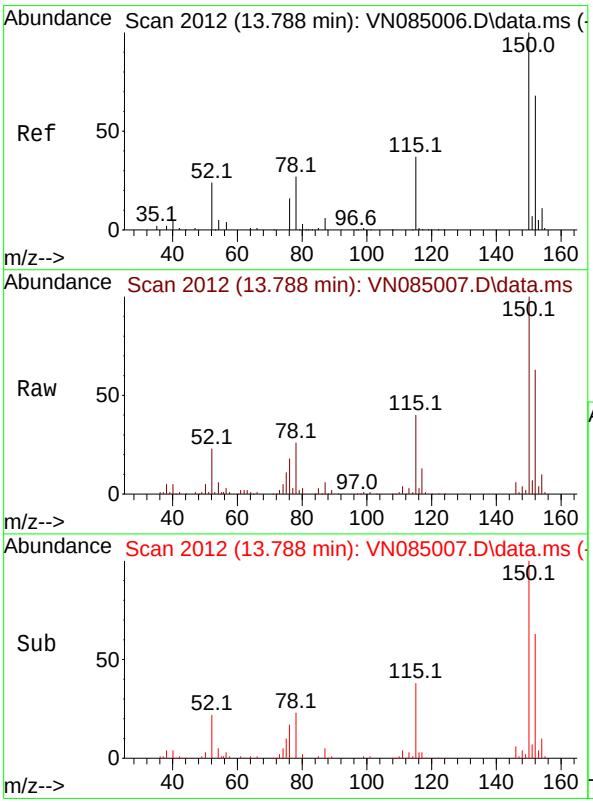
#71
Bromoform
Concen: 20.159 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 28783

Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.8	71.2
254	0.0	0.0	0.0

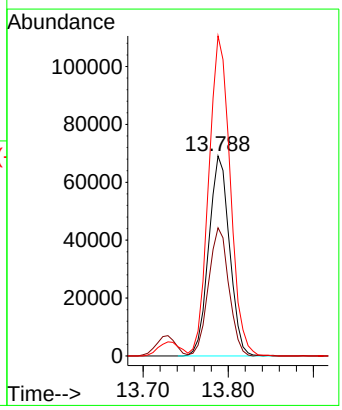


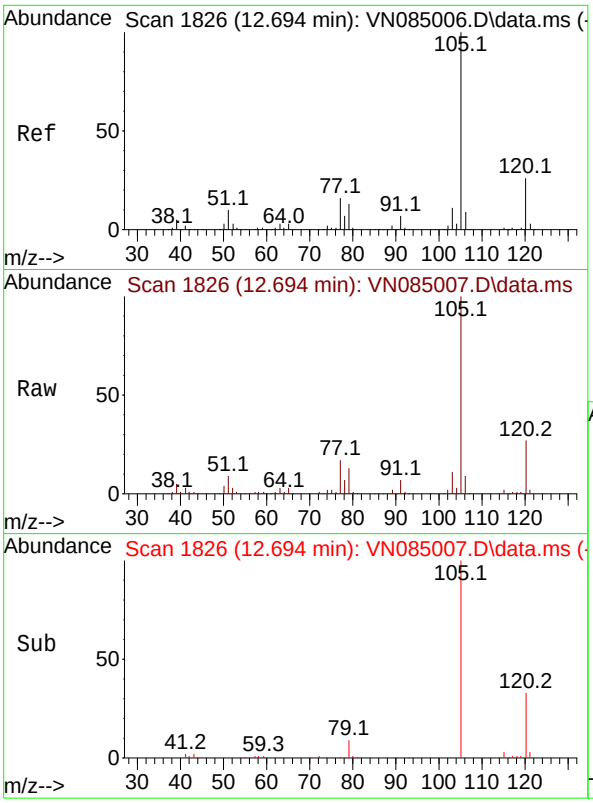


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:152 Resp: 116956

Ion	Ratio	Lower	Upper
152	100		
115	63.0	31.7	95.1
150	165.7	0.0	351.4



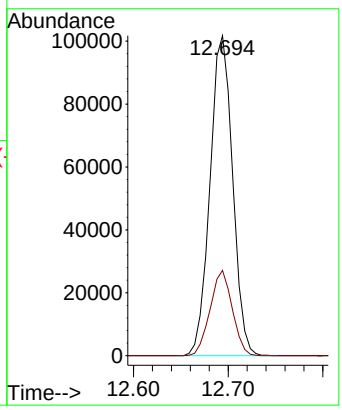


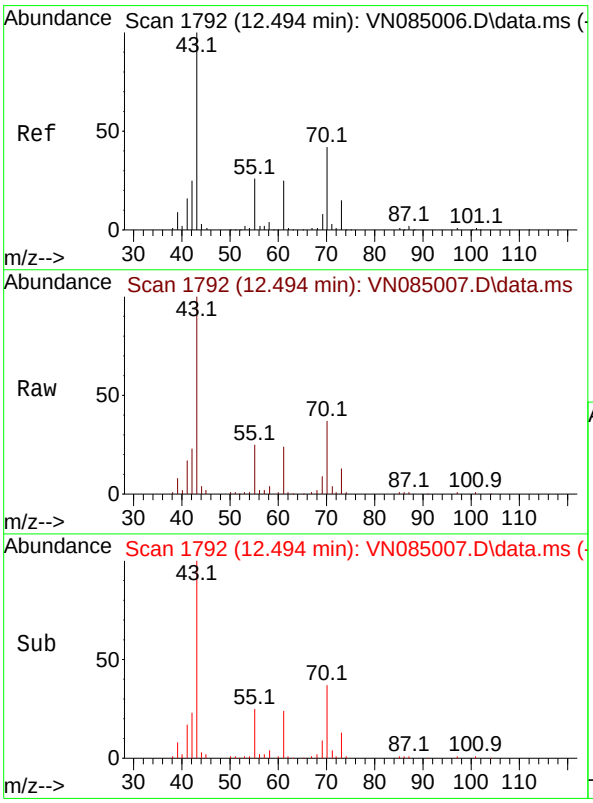
#73
Isopropylbenzene
Concen: 20.438 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 168631

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.0	39.0

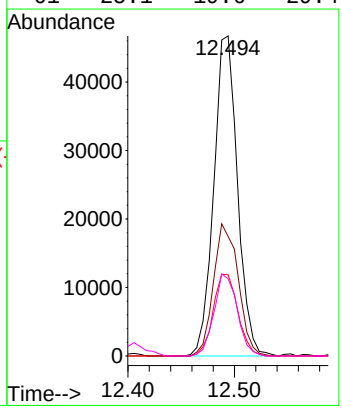


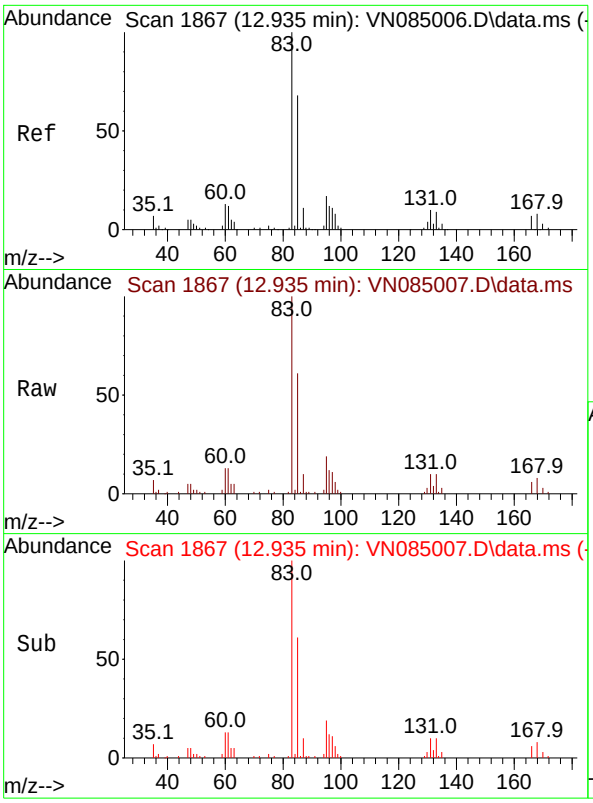


#74
N-amyl acetate
Concen: 21.238 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 43 Resp: 72208

Ion	Ratio	Lower	Upper
43	100		
70	43.1	34.6	51.8
55	26.6	20.5	30.7
61	25.1	19.6	29.4



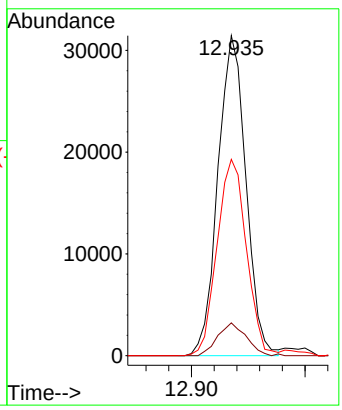


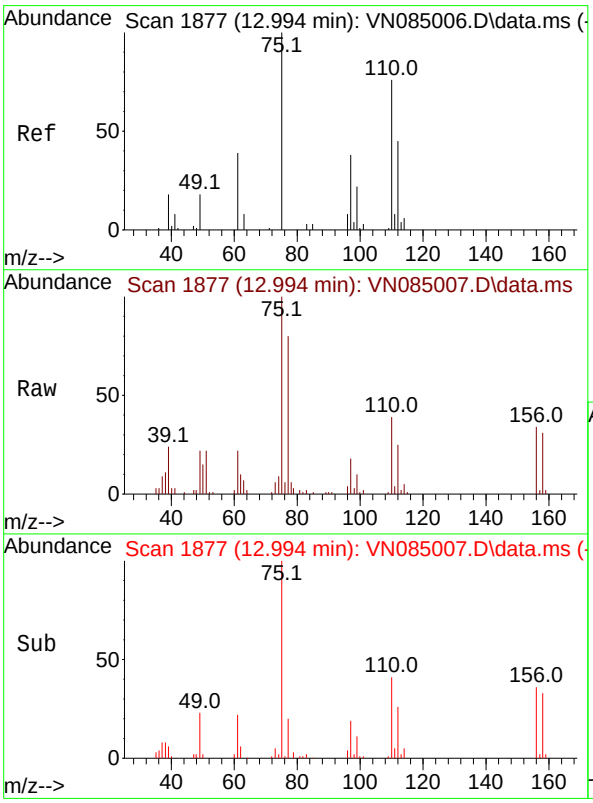
#75
1,1,2,2-Tetrachloroethane
Concen: 19.127 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 53889

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.1	15.4
85	64.1	32.1	96.3

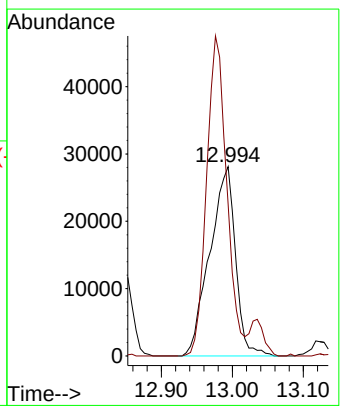


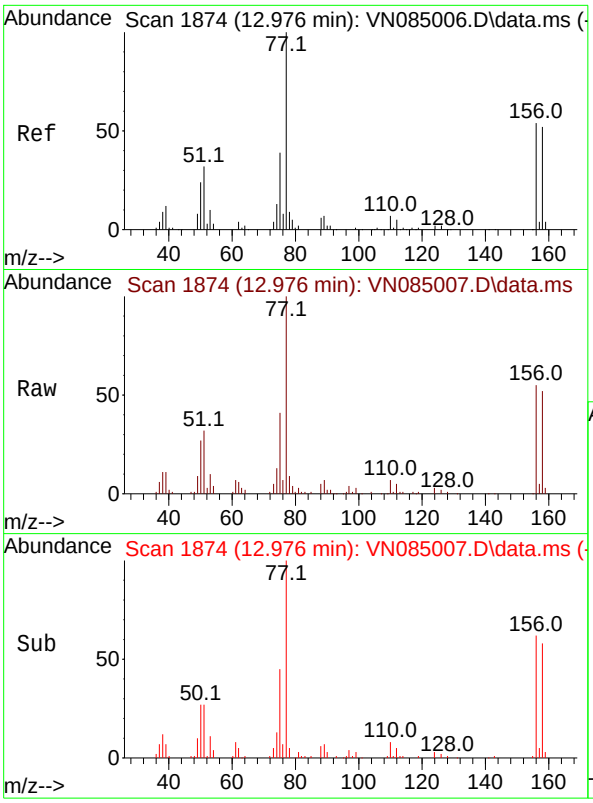


#76
1,2,3-Trichloropropane
Concen: 32.262 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 75 Resp: 70585

Ion	Ratio	Lower	Upper
75	100		
77	133.0	109.1	327.4



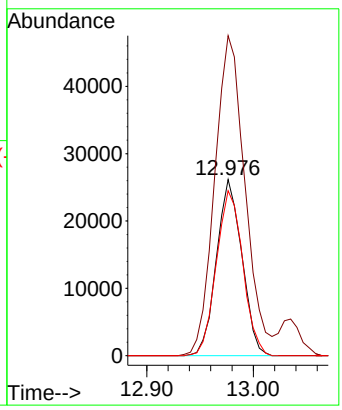


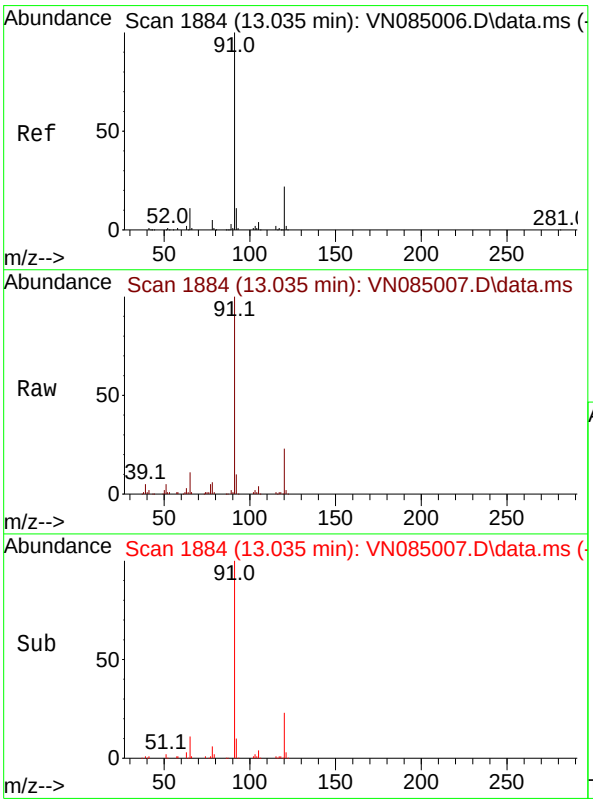
#77
Bromobenzene
Concen: 19.500 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 43298

Ion	Ratio	Lower	Upper
156	100		
77	216.9	107.2	321.6
158	97.6	48.5	145.6

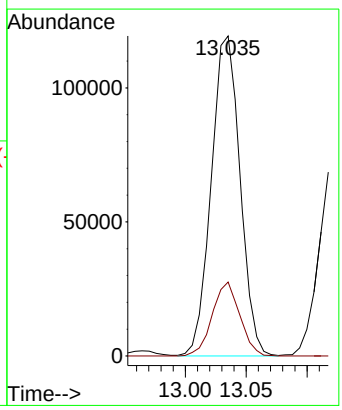


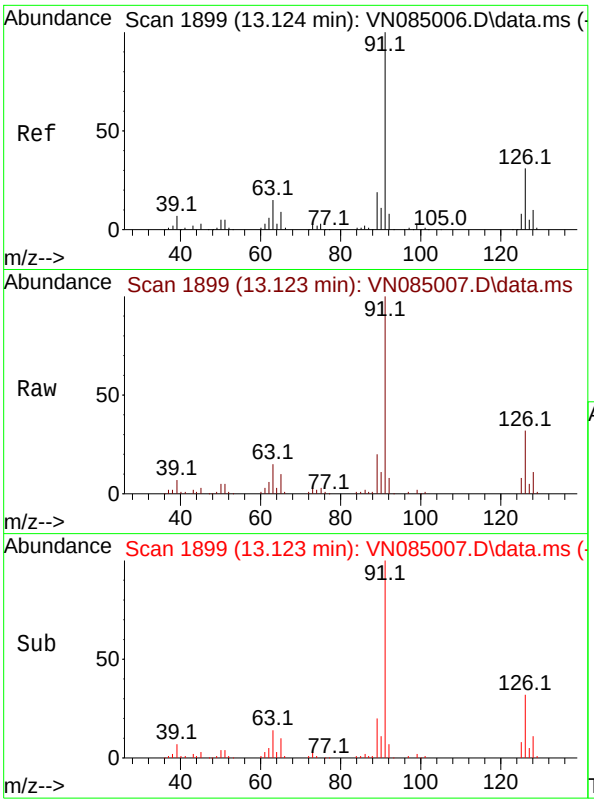


#78
n-propylbenzene
Concen: 20.653 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 91 Resp: 196551

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.3	33.9



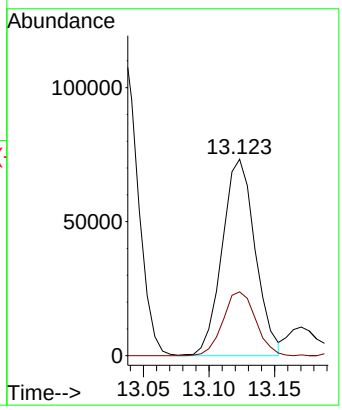


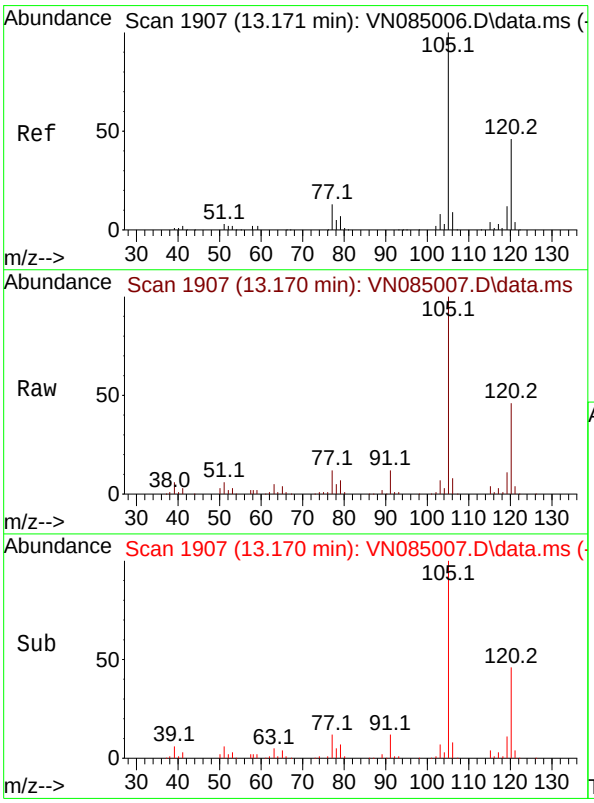
#79
2-Chlorotoluene
Concen: 20.261 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 128714

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.3

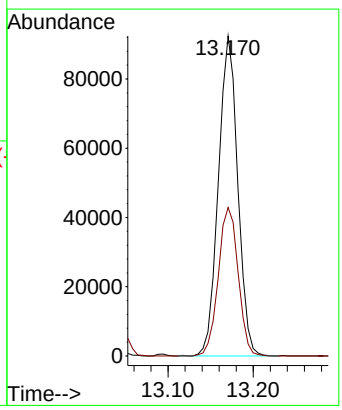


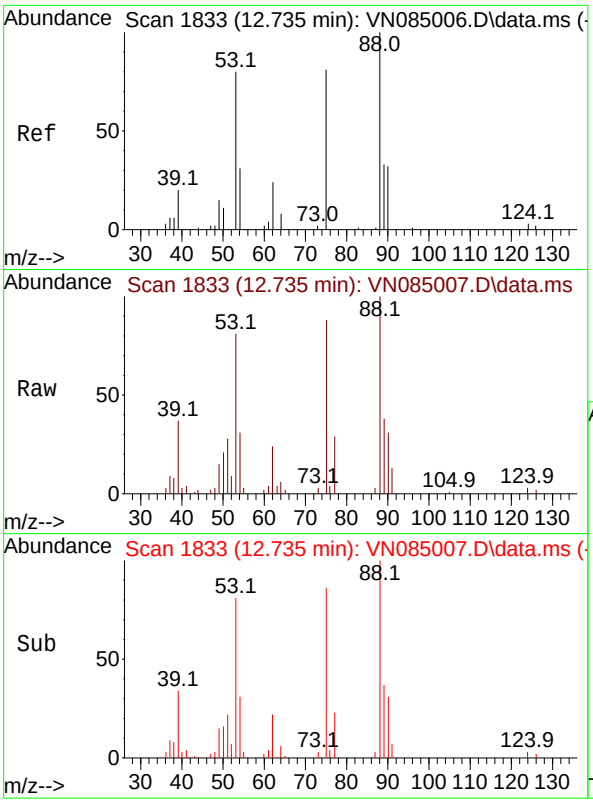


#80
1,3,5-Trimethylbenzene
Concen: 21.048 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:105 Resp: 145726

Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.6	71.0



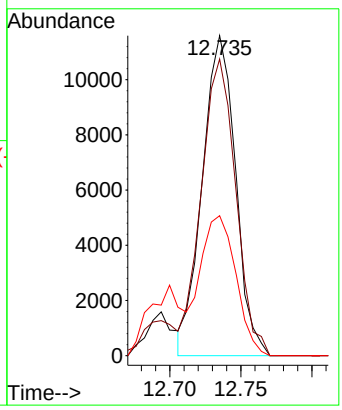


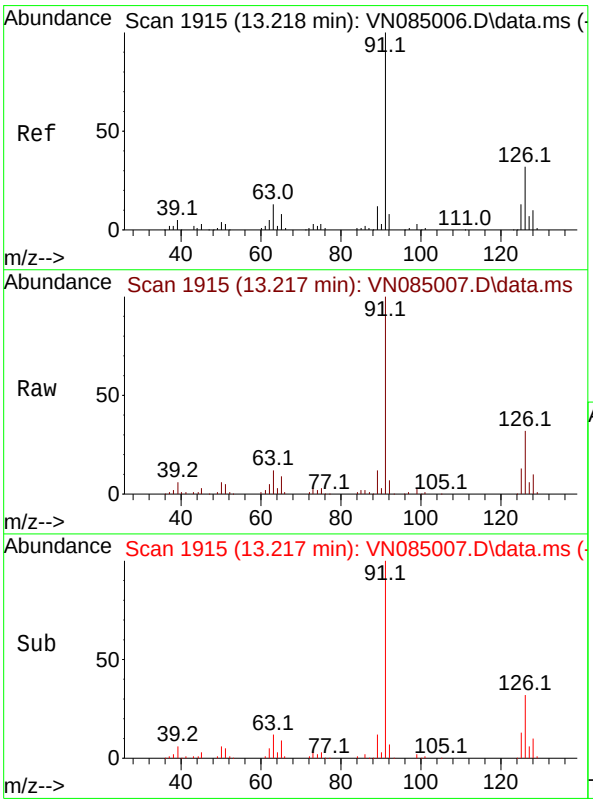
#81
trans-1,4-Dichloro-2-butene
Concen: 20.144 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 18860

Ion	Ratio	Lower	Upper
75	100		
53	96.4	78.2	117.4
89	46.7	37.9	56.9

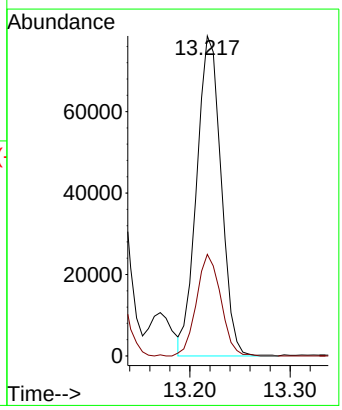


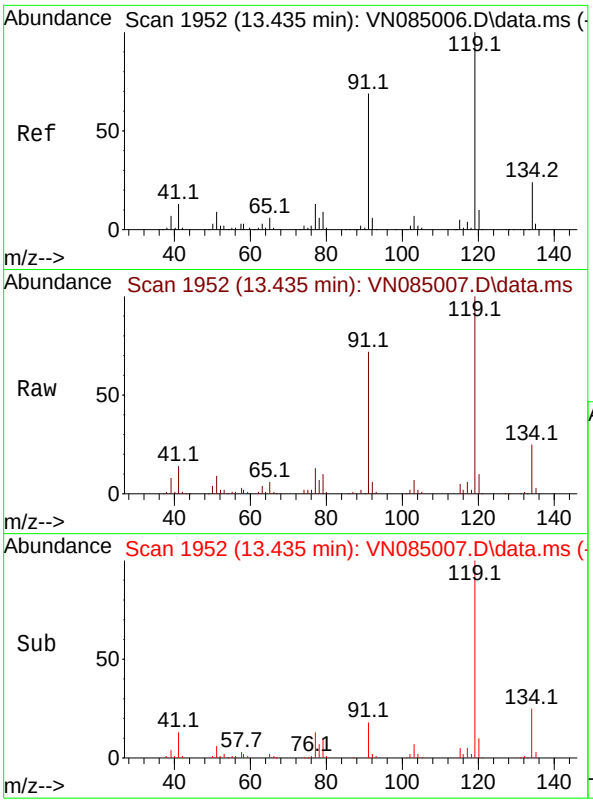


#82
4-Chlorotoluene
Concen: 20.131 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 91 Resp: 133131

Ion	Ratio	Lower	Upper
91	100		
126	31.6	16.1	48.3



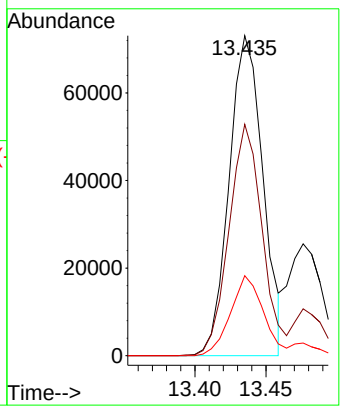


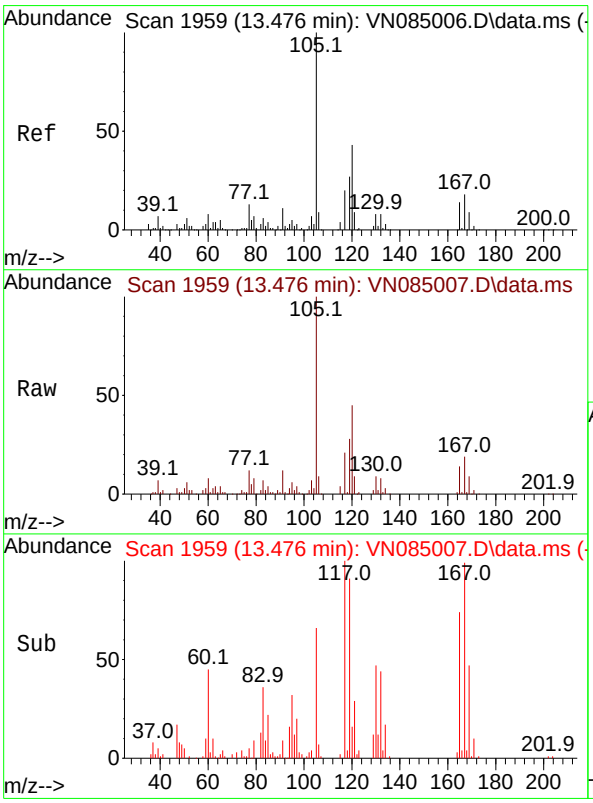
#83
tert-Butylbenzene
Concen: 20.344 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 121188

Ion	Ratio	Lower	Upper
119	100		
91	71.2	35.1	105.5
134	24.3	12.1	36.3

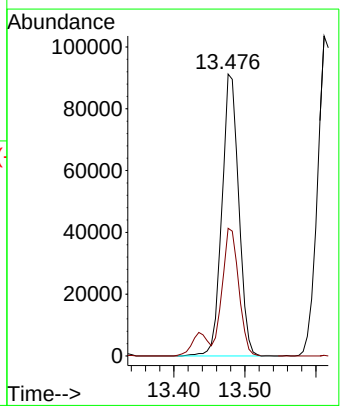


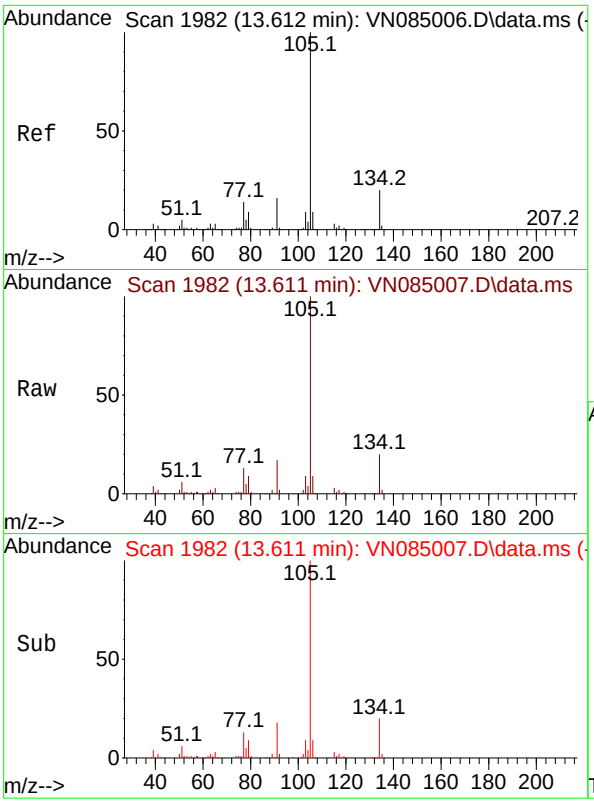


#84
1,2,4-Trimethylbenzene
Concen: 20.974 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:105 Resp: 149479

Ion	Ratio	Lower	Upper
105	100		
120	44.4	21.8	65.4



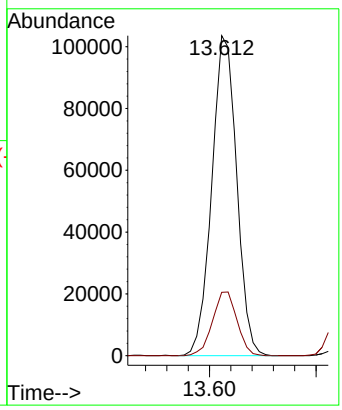


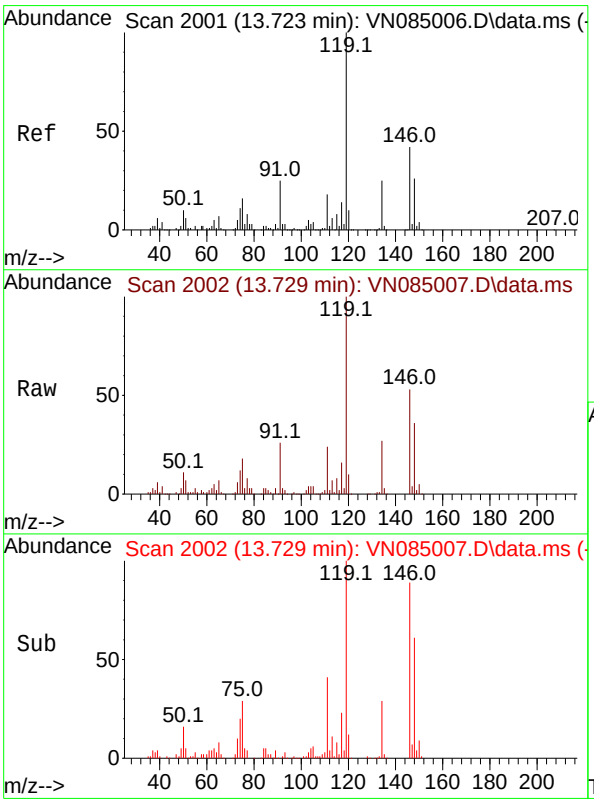
#85
sec-Butylbenzene
Concen: 20.885 ug/l
RT: 13.611 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 168068

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.3

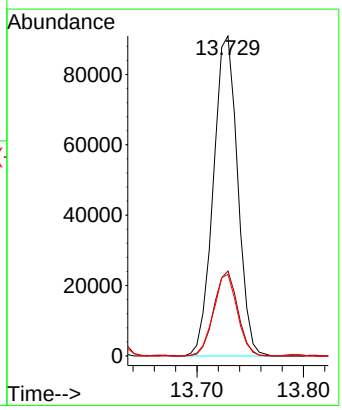


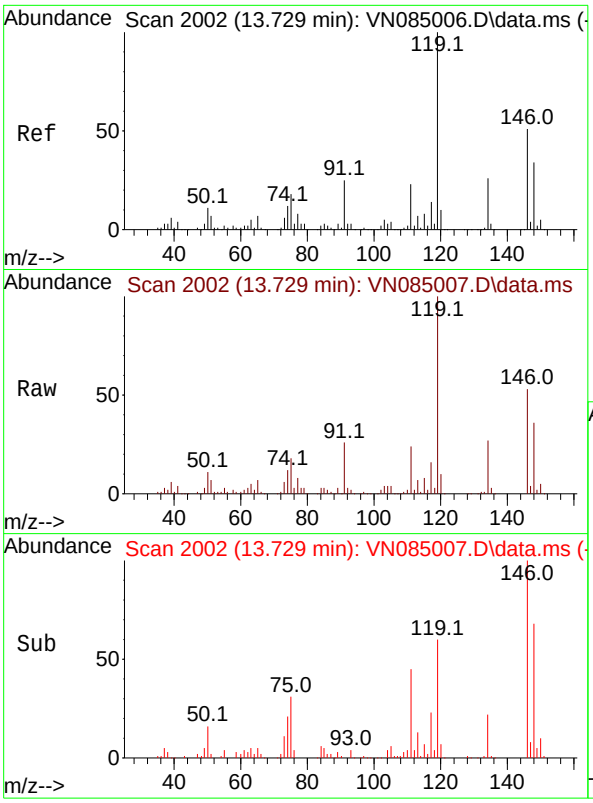


#86
p-Isopropyltoluene
Concen: 21.653 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:119 Resp: 143841

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	39.0
91	25.0	12.8	38.4



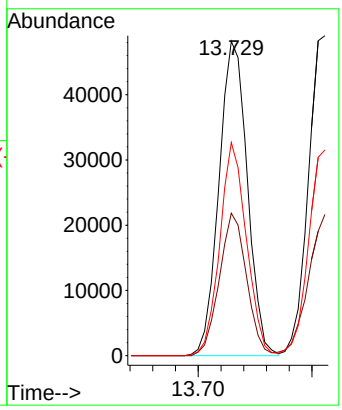


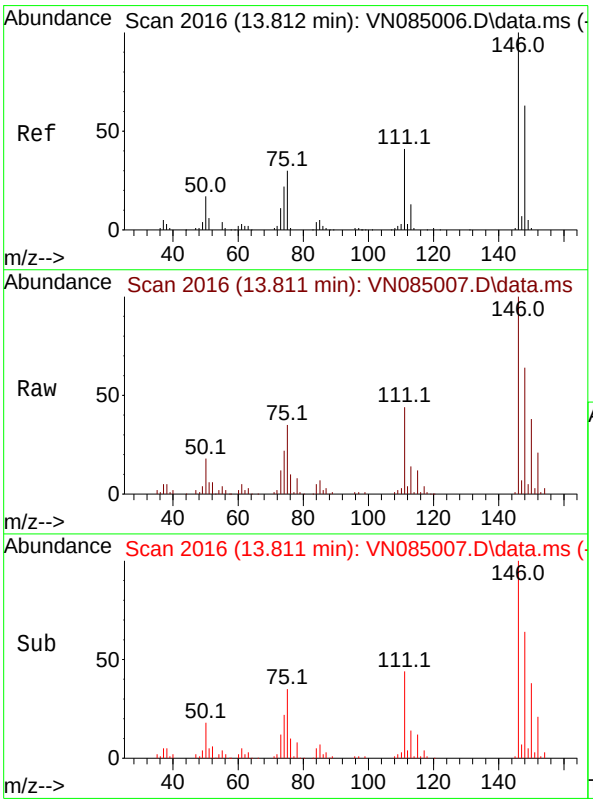
#87
1,3-Dichlorobenzene
Concen: 19.066 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 83500

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.6	65.0
148	63.9	32.2	96.6

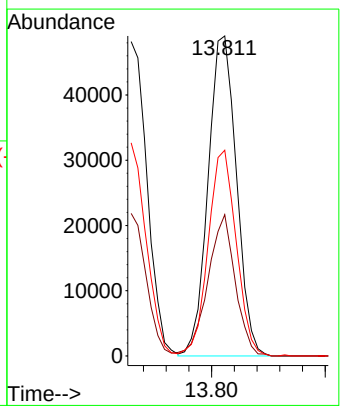


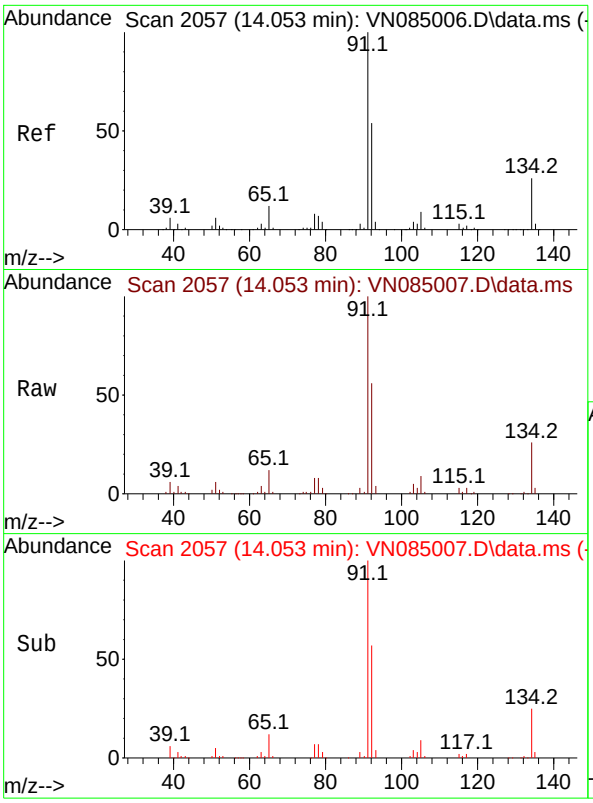


#88
1,4-Dichlorobenzene
Concen: 19.041 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:146 Resp: 85098

Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.9	62.8
148	63.5	31.3	93.9



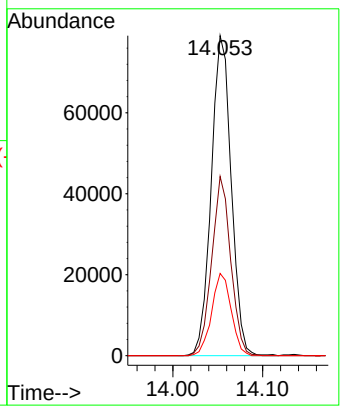


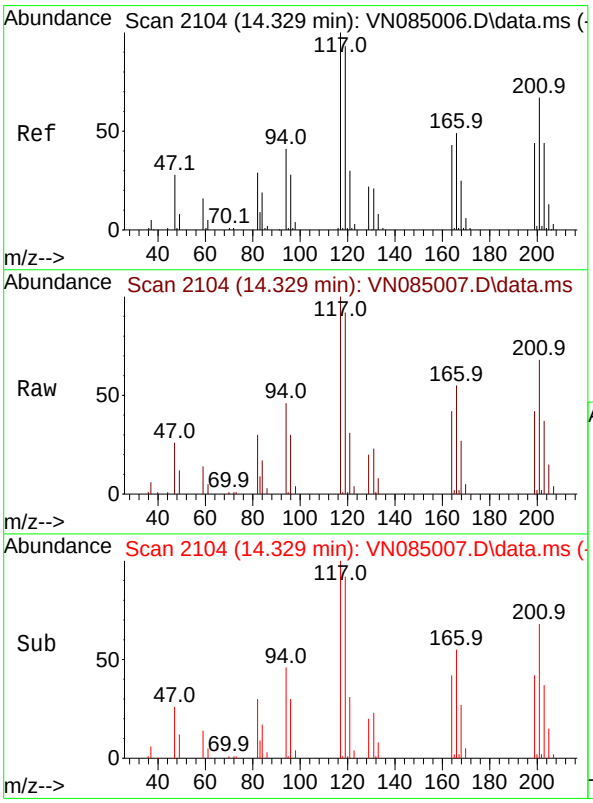
#89
n-Butylbenzene
Concen: 19.790 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 122257

Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.8	80.3
134	25.1	12.8	38.4

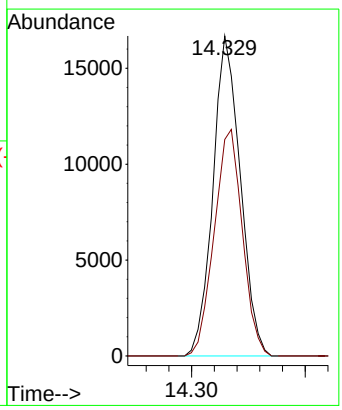


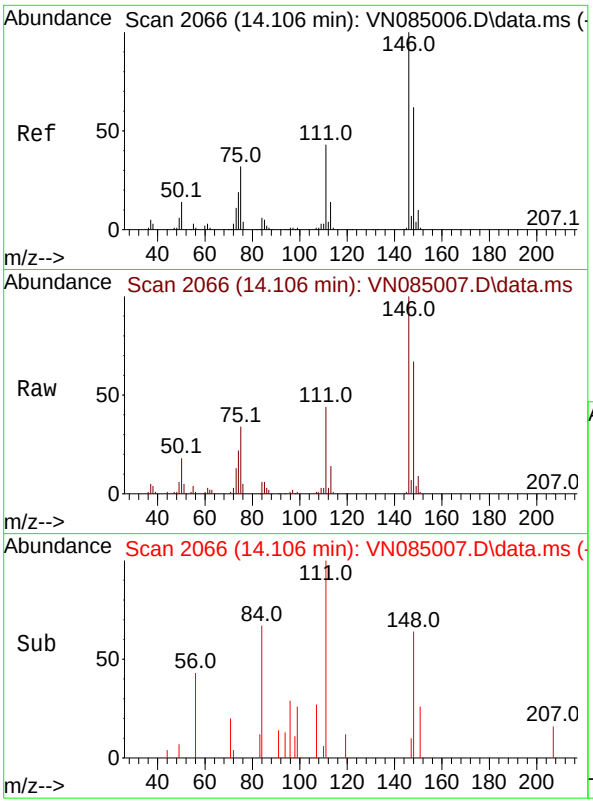


#90
Hexachloroethane
Concen: 19.267 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:117 Resp: 27899

Ion	Ratio	Lower	Upper
117	100		
201	72.9	35.2	105.6



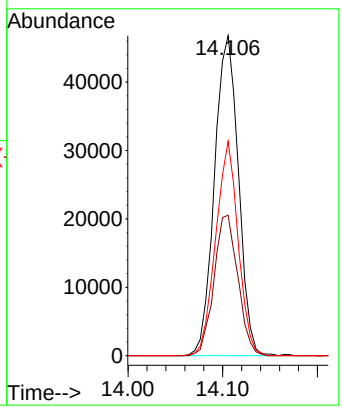


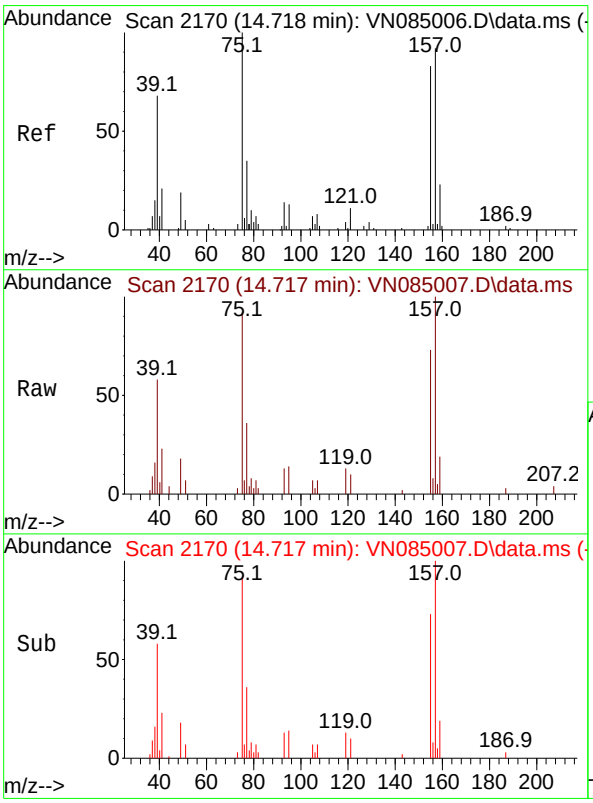
#91
1,2-Dichlorobenzene
Concen: 19.579 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 82164

Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.9	65.8
148	62.9	31.1	93.2

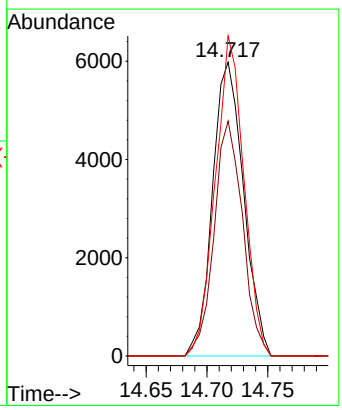


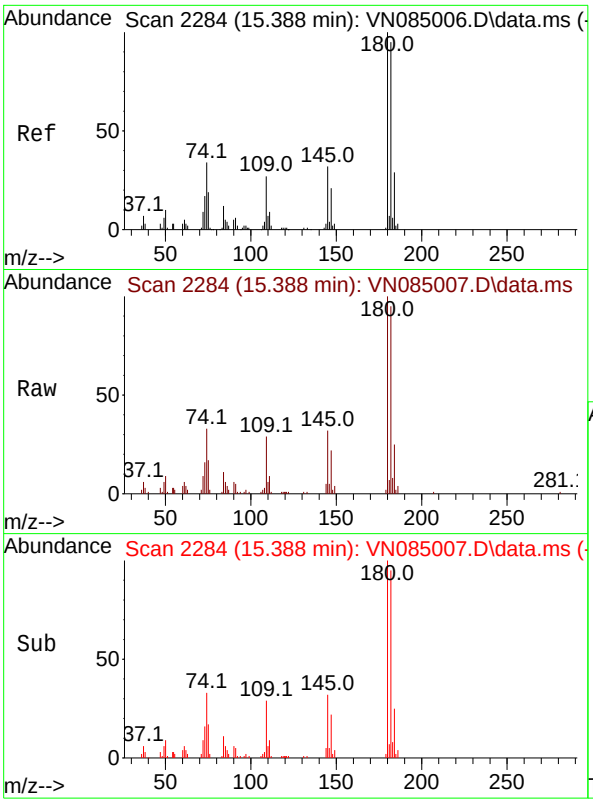


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.517 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 75 Resp: 10633

Ion	Ratio	Lower	Upper
75	100		
155	73.2	38.9	116.7
157	99.9	48.3	144.9



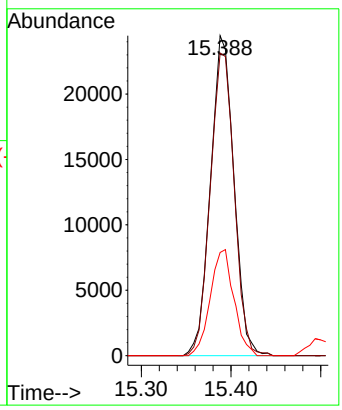


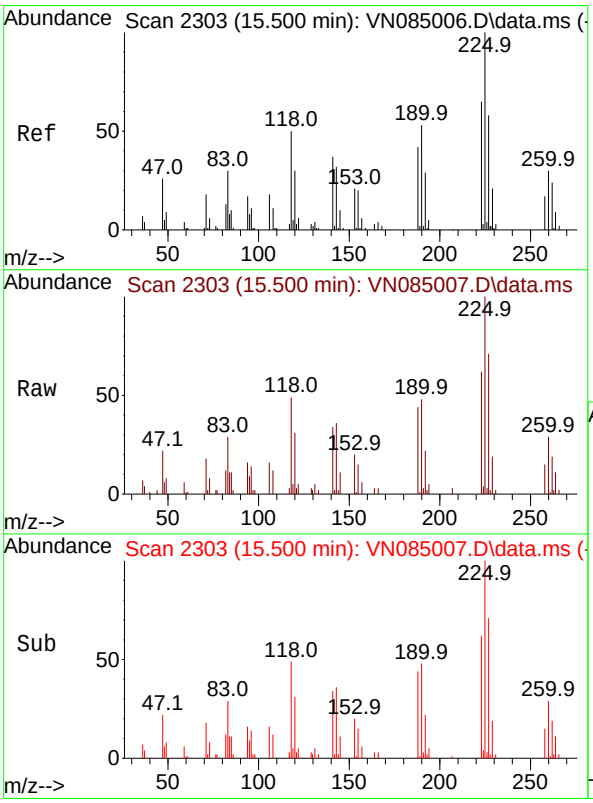
#93
1,2,4-Trichlorobenzene
Concen: 19.467 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 44383

Ion	Ratio	Lower	Upper
180	100		
182	96.5	46.9	140.8
145	33.4	16.3	48.8

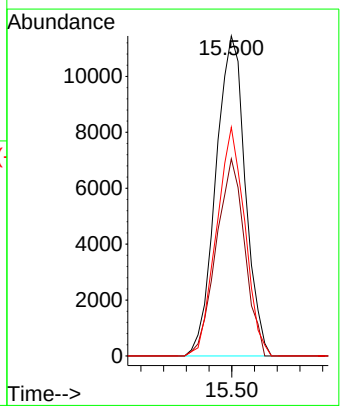


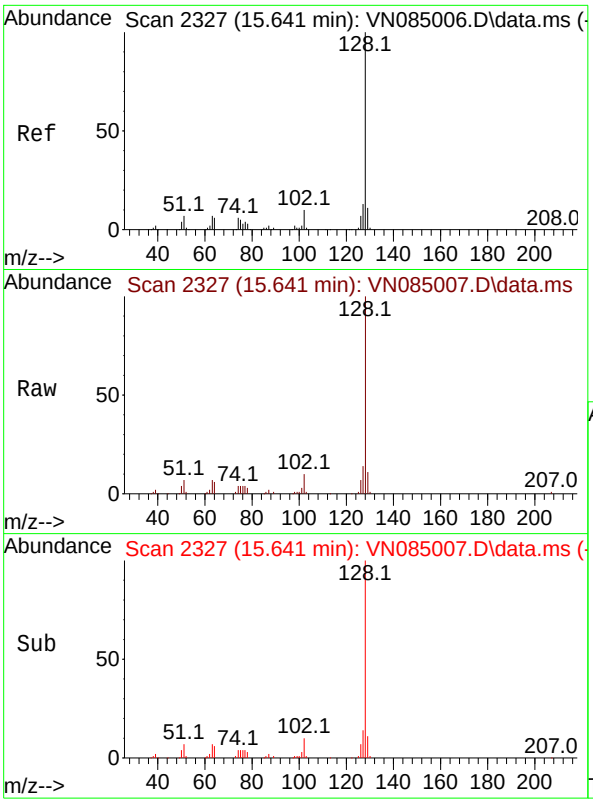


#94
Hexachlorobutadiene
Concen: 19.618 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:225 Resp: 20642

Ion	Ratio	Lower	Upper
225	100		
223	59.6	30.9	92.8
227	68.7	31.5	94.5



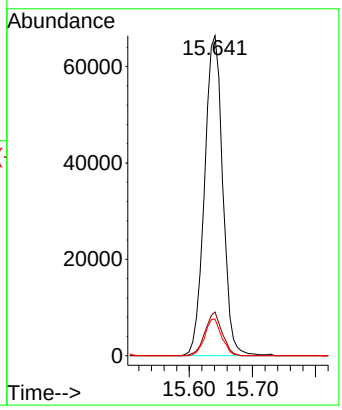


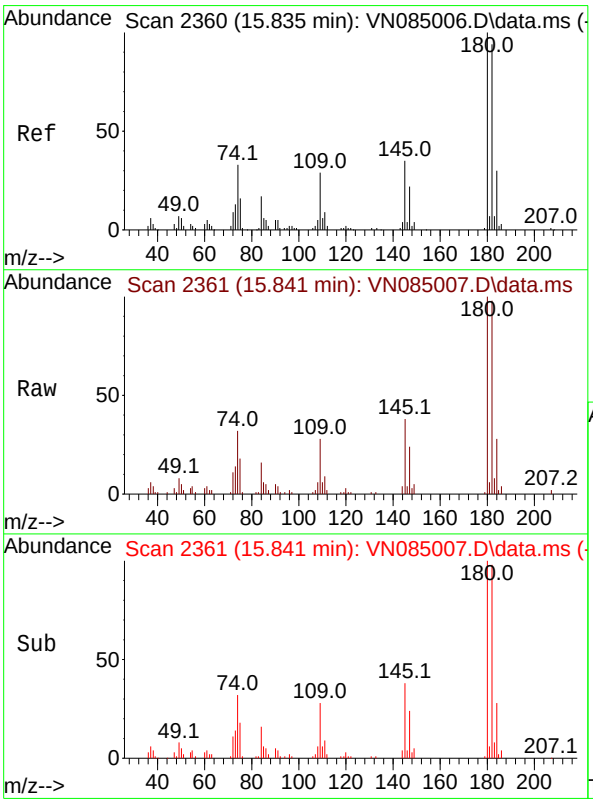
#95
Naphthalene
Concen: 20.454 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 132816

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.6	8.6	12.8

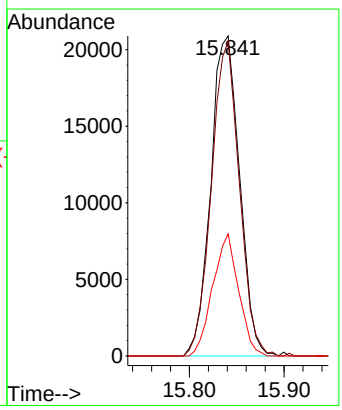




#96
1,2,3-Trichlorobenzene
Concen: 20.293 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:180 Resp: 44145

Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.4	139.2
145	34.3	17.3	52.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085008.D
Acq On : 22 Nov 2024 12:34
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Nov 23 02:00:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.218	168	161407	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.094	114	278264	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	234609	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110358	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.571	65	23734	10.323	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 20.640%#				
35) Dibromofluoromethane	8.159	113	18392	9.801	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 19.600%#				
50) Toluene-d8	10.559	98	64656	9.614	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 19.220%#				
62) 4-Bromofluorobenzene	12.847	95	24371	9.691	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 19.380%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	17355	9.509	ug/l		98
3) Chloromethane	2.359	50	19463	9.194	ug/l		93
4) Vinyl Chloride	2.512	62	18378	9.661	ug/l		99
5) Bromomethane	2.901	94	10681	10.017	ug/l		99
6) Chloroethane	3.077	64	12602	9.828	ug/l	#	88
7) Trichlorofluoromethane	3.477	101	30566	9.445	ug/l		98
8) Diethyl Ether	3.953	74	10394	9.437	ug/l		89
9) 1,1,2-Trichlorotrifluo...	4.353	101	17791	9.693	ug/l		98
10) Methyl Iodide	4.583	142	22722	9.353	ug/l		95
11) Tert butyl alcohol	5.542	59	15491	50.421	ug/l	#	81
12) 1,1-Dichloroethene	4.324	96	16330	9.532	ug/l		93
13) Acrolein	4.183	56	10601	51.710	ug/l		99
14) Allyl chloride	5.006	41	28006	9.697	ug/l		97
15) Acrylonitrile	5.718	53	40469	46.525	ug/l		98
16) Acetone	4.430	43	32743	48.900	ug/l		99
17) Carbon Disulfide	4.700	76	47181	9.331	ug/l	#	93
18) Methyl Acetate	5.018	43	23065	9.856	ug/l		100
19) Methyl tert-butyl Ether	5.795	73	53672	9.589	ug/l		96
20) Methylene Chloride	5.271	84	19680	9.632	ug/l		93
21) trans-1,2-Dichloroethene	5.777	96	16759	9.296	ug/l		92
22) Diisopropyl ether	6.665	45	56475	9.716	ug/l		99
23) Vinyl Acetate	6.594	43	192330	47.962	ug/l		100
24) 1,1-Dichloroethane	6.559	63	33350	9.588	ug/l	#	92
25) 2-Butanone	7.477	43	51223	46.790	ug/l		95
26) 2,2-Dichloropropane	7.477	77	30494	9.388	ug/l		98
27) cis-1,2-Dichloroethene	7.477	96	20469	9.418	ug/l		99
28) Bromochloromethane	7.806	49	12594	9.591	ug/l		95
29) Tetrahydrofuran	7.841	42	32197	47.294	ug/l		99
30) Chloroform	7.959	83	34651	9.365	ug/l		98
31) Cyclohexane	8.253	56	29526	9.641	ug/l		95
32) 1,1,1-Trichloroethane	8.165	97	32054	9.587	ug/l		98
36) 1,1-Dichloropropene	8.371	75	23205	9.130	ug/l		99
37) Ethyl Acetate	7.559	43	22487	9.732	ug/l	#	97
38) Carbon Tetrachloride	8.353	117	26952	9.186	ug/l		97
39) Methylcyclohexane	9.594	83	23924	9.058	ug/l		96
40) Benzene	8.600	78	75597	9.404	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085008.D
Acq On : 22 Nov 2024 12:34
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Nov 23 02:00:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	12417	9.705	ug/l		99
42) 1,2-Dichloroethane	8.659	62	25169	9.152	ug/l		100
43) Isopropyl Acetate	8.688	43	43717	9.108	ug/l		95
44) Trichloroethene	9.347	130	17835	9.547	ug/l		90
45) 1,2-Dichloropropane	9.618	63	18902	9.546	ug/l		98
46) Dibromomethane	9.706	93	12540	9.114	ug/l		96
47) Bromodichloromethane	9.888	83	27136	9.306	ug/l		95
48) Methyl methacrylate	9.677	41	16793	9.402	ug/l		95
49) 1,4-Dioxane	9.694	88	6366	205.527	ug/l	#	90
51) 4-Methyl-2-Pentanone	10.441	43	106422	48.544	ug/l		100
52) Toluene	10.630	92	44072	9.261	ug/l		95
53) t-1,3-Dichloropropene	10.835	75	27040	9.249	ug/l		98
54) cis-1,3-Dichloropropene	10.306	75	28183	9.087	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	17498	9.871	ug/l		98
56) Ethyl methacrylate	10.871	69	24309	9.385	ug/l		99
57) 1,3-Dichloropropane	11.159	76	29257	9.378	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.153	63	61252	48.207	ug/l		97
59) 2-Hexanone	11.194	43	77951	47.542	ug/l		98
60) Dibromochloromethane	11.353	129	19478	8.991	ug/l		97
61) 1,2-Dibromoethane	11.465	107	17673	9.633	ug/l		95
64) Tetrachloroethene	11.100	164	15092	9.547	ug/l		94
65) Chlorobenzene	11.888	112	51106	9.605	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	17966	9.590	ug/l		98
67) Ethyl Benzene	11.959	91	79668	9.229	ug/l		95
68) m/p-Xylenes	12.071	106	62195	18.925	ug/l		98
69) o-Xylene	12.394	106	30067	9.618	ug/l		95
70) Styrene	12.412	104	50150	9.647	ug/l		99
71) Bromoform	12.576	173	12832	9.228	ug/l	#	96
73) Isopropylbenzene	12.694	105	75080	9.644	ug/l		98
74) N-amyl acetate	12.488	43	29811	9.292	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.935	83	25341	9.532	ug/l		98
76) 1,2,3-Trichloropropane	12.988	75	32755	15.866	ug/l		45
77) Bromobenzene	12.976	156	19904	9.500	ug/l		99
78) n-propylbenzene	13.035	91	85642	9.537	ug/l		98
79) 2-Chlorotoluene	13.123	91	58233	9.715	ug/l		98
80) 1,3,5-Trimethylbenzene	13.171	105	63212	9.676	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	8603	9.738	ug/l		99
82) 4-Chlorotoluene	13.218	91	60156	9.640	ug/l		100
83) tert-Butylbenzene	13.435	119	53773	9.566	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	64606	9.607	ug/l		99
85) sec-Butylbenzene	13.618	105	72405	9.535	ug/l		99
86) p-Isopropyltoluene	13.729	119	60467	9.647	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	38501	9.317	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	39471	9.360	ug/l		99
89) n-Butylbenzene	14.059	91	52430	8.994	ug/l		100
90) Hexachloroethane	14.335	117	12541	9.179	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	37183	9.390	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	4917	9.565	ug/l		99
93) 1,2,4-Trichlorobenzene	15.394	180	20285	9.429	ug/l		97
94) Hexachlorobutadiene	15.500	225	9015	9.080	ug/l		98
95) Naphthalene	15.641	128	54191	8.844	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	18745	9.132	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085008.D
Acq On : 22 Nov 2024 12:34
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Nov 23 02:00:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

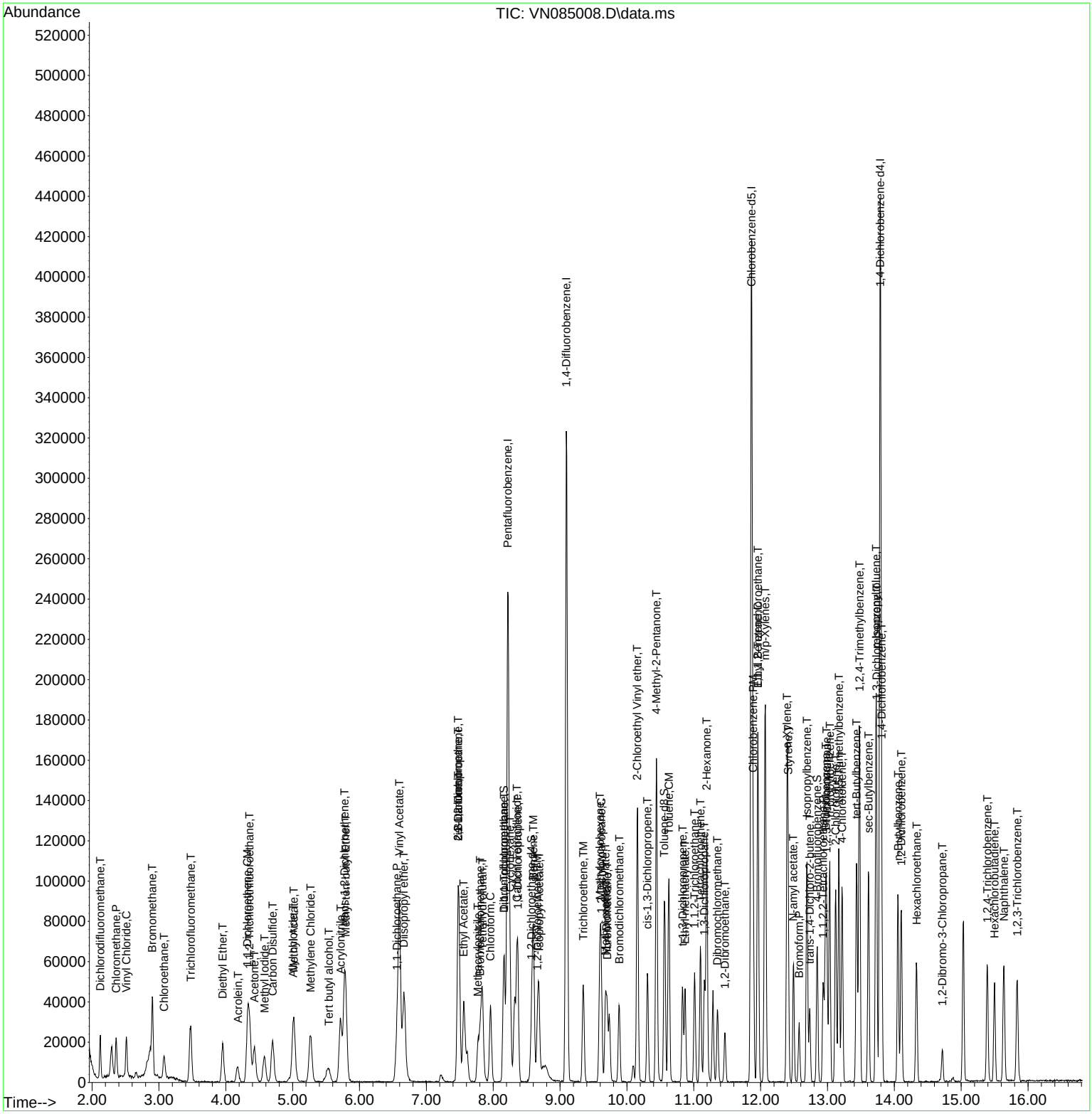
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

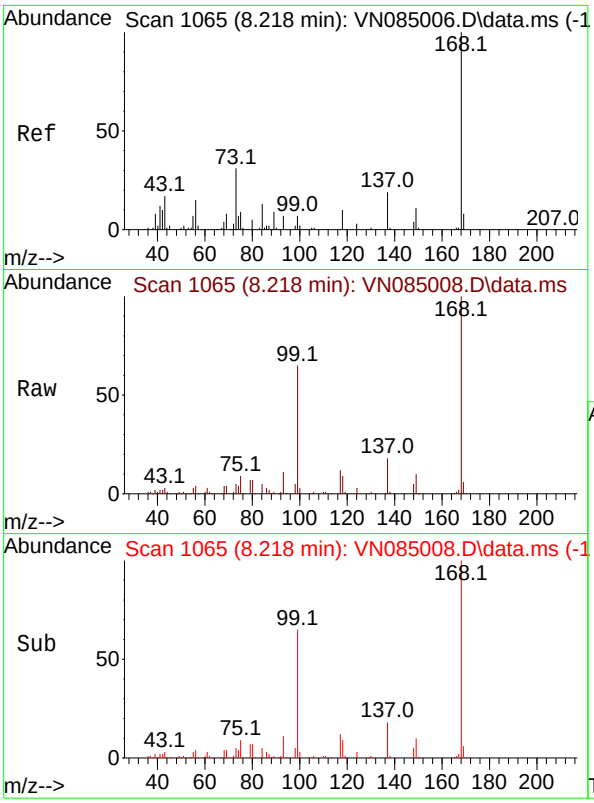
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085008.D
Acq On : 22 Nov 2024 12:34
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Nov 23 02:00:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration



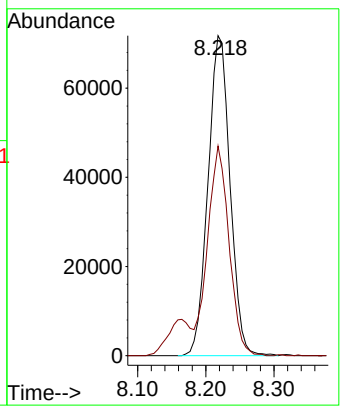


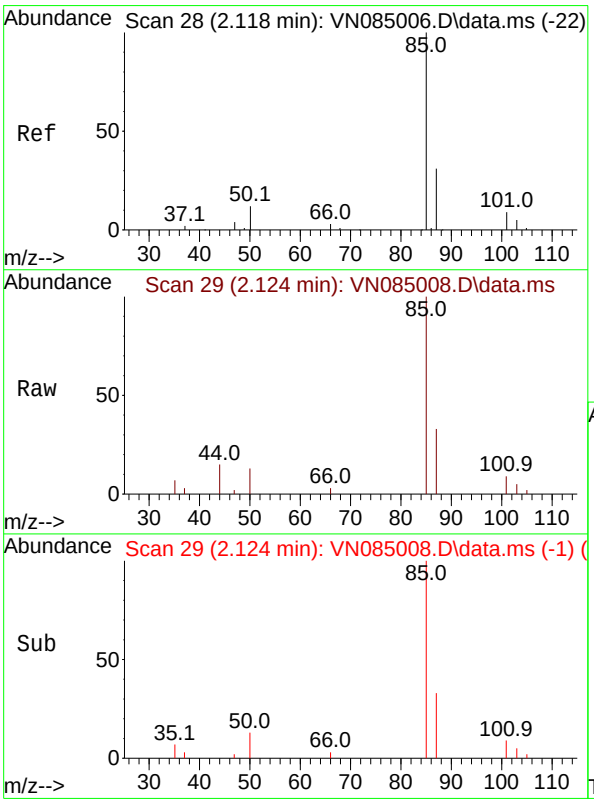
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:168 Resp: 161407

Ion	Ratio	Lower	Upper
168	100		
99	65.2	51.2	76.8

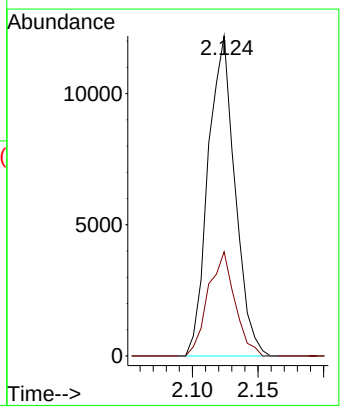


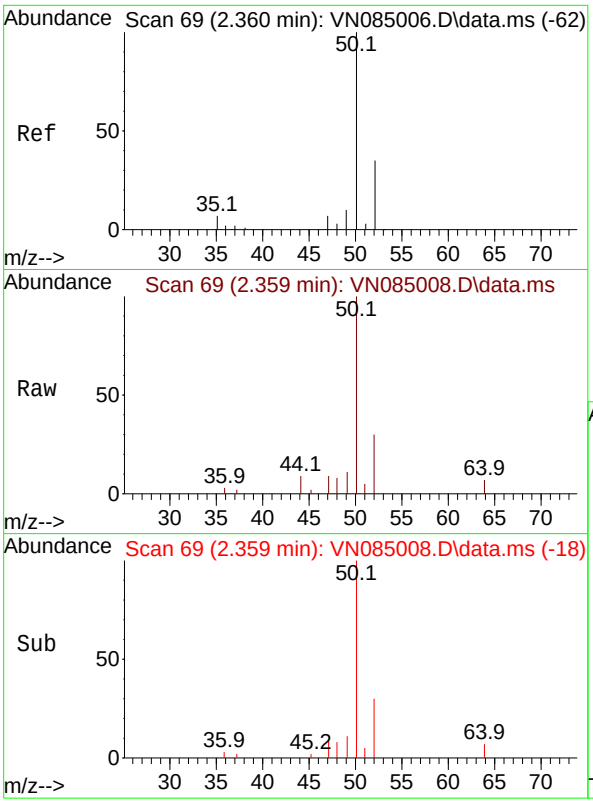


#2
Dichlorodifluoromethane
Concen: 9.509 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 85 Resp: 17355

Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.7	47.1



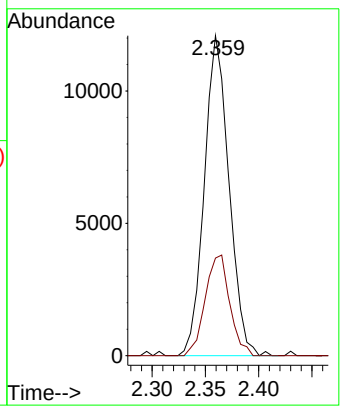


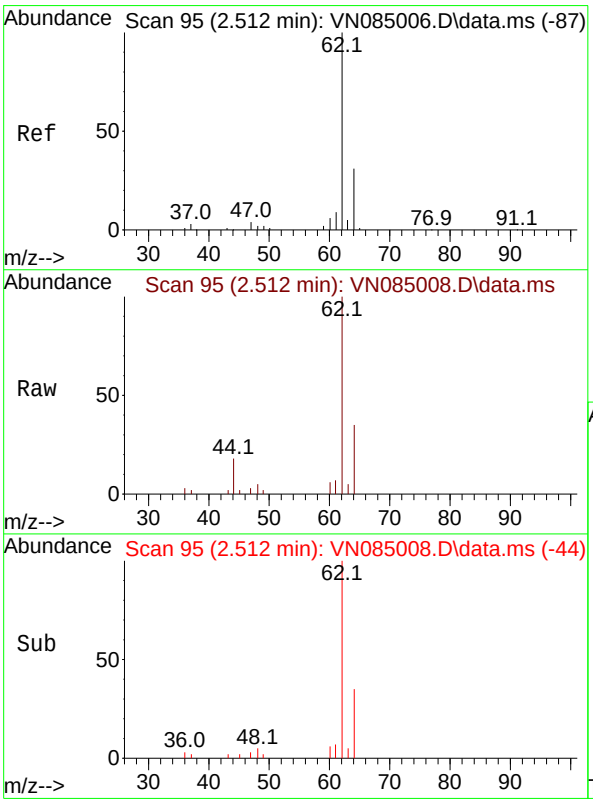
#3
Chloromethane
Concen: 9.194 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 19463

Ion	Ratio	Lower	Upper
50	100		
52	30.5	27.8	41.8

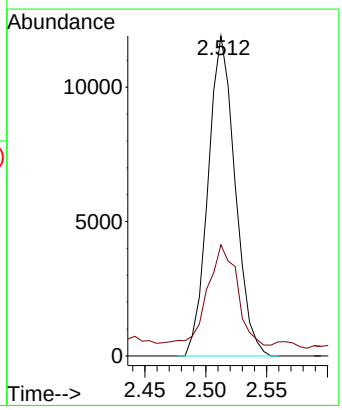


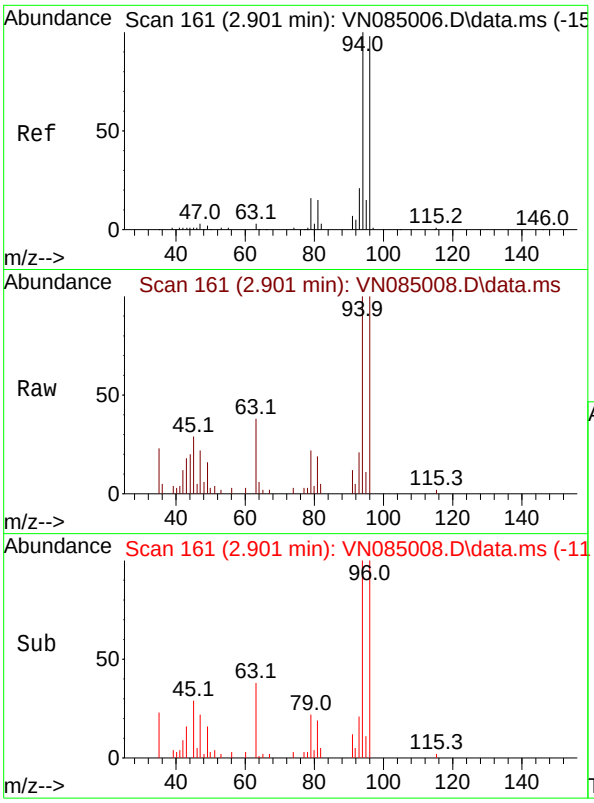


#4
Vinyl Chloride
Concen: 9.661 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 62 Resp: 18378

Ion	Ratio	Lower	Upper
62	100		
64	30.3	24.6	36.8



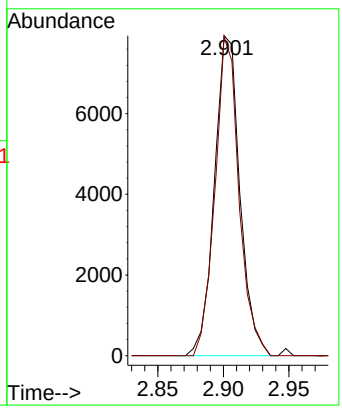


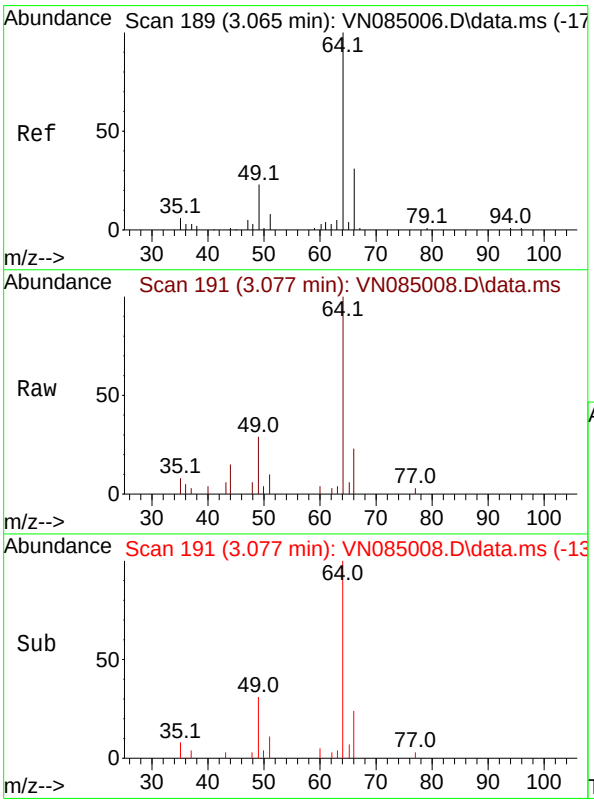
#5
Bromomethane
Concen: 10.017 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 94 Resp: 10681

Ion	Ratio	Lower	Upper
94	100		
96	99.7	78.7	118.1

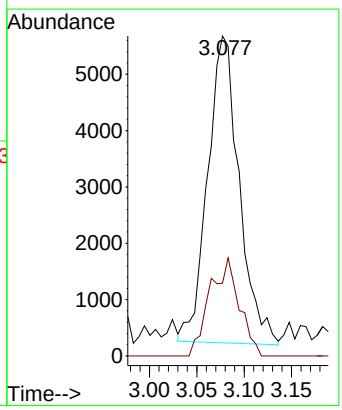


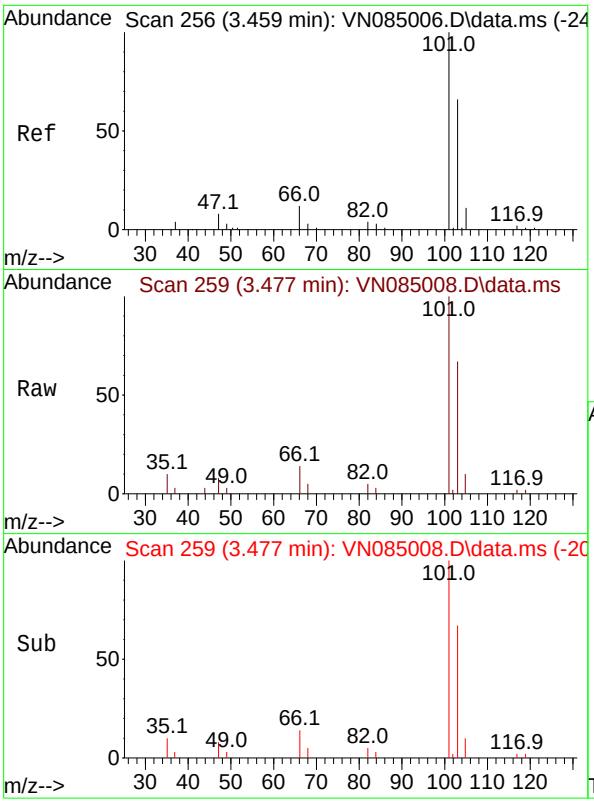


#6
Chloroethane
Concen: 9.828 ug/l
RT: 3.077 min Scan# 191
Delta R.T. 0.012 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 64 Resp: 12602

Ion	Ratio	Lower	Upper
64	100		
66	23.8	24.4	36.6#



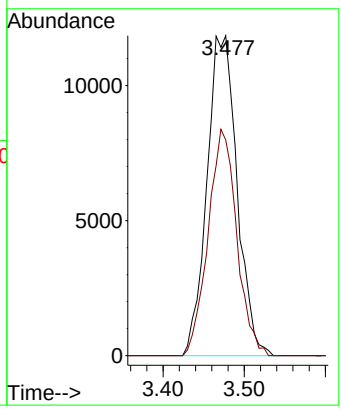


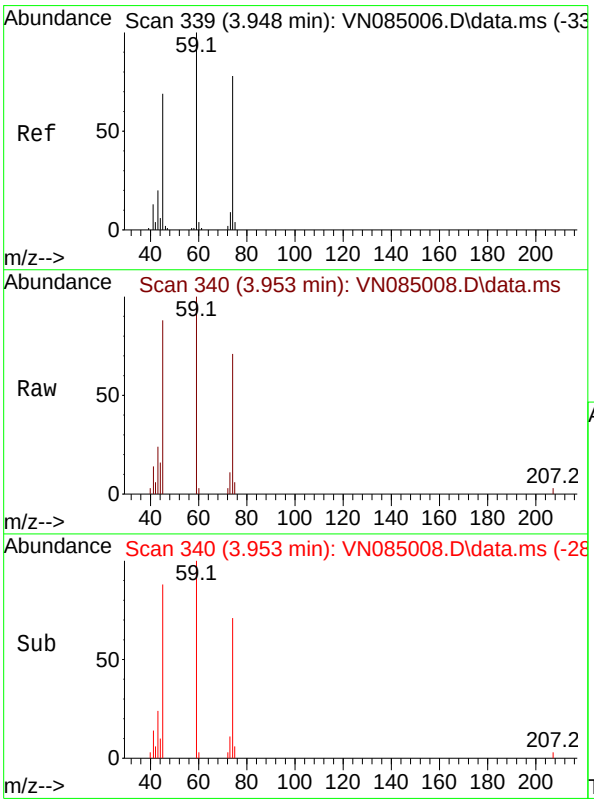
#7
Trichlorofluoromethane
Concen: 9.445 ug/l
RT: 3.477 min Scan# 2
Delta R.T. 0.018 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 30566

Ion	Ratio	Lower	Upper
101	100		
103	67.4	52.6	78.8

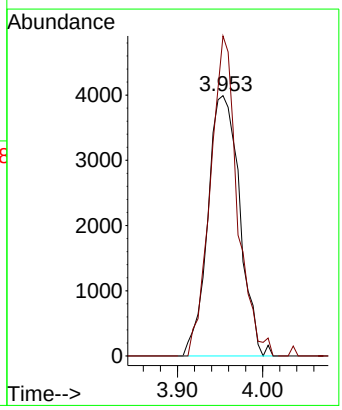


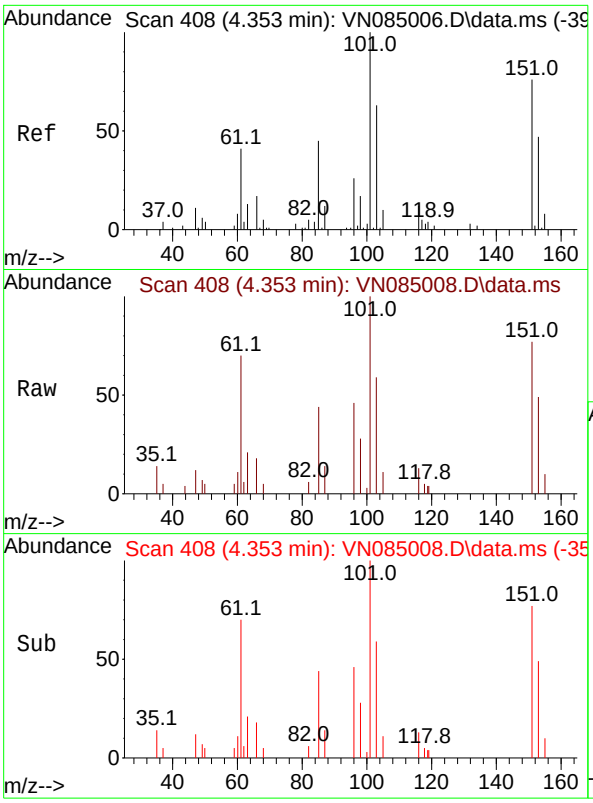


#8
Diethyl Ether
Concen: 9.437 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 74 Resp: 10394

Ion	Ratio	Lower	Upper
74	100		
45	104.3	46.7	140.1



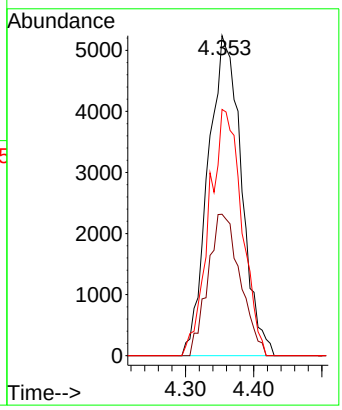


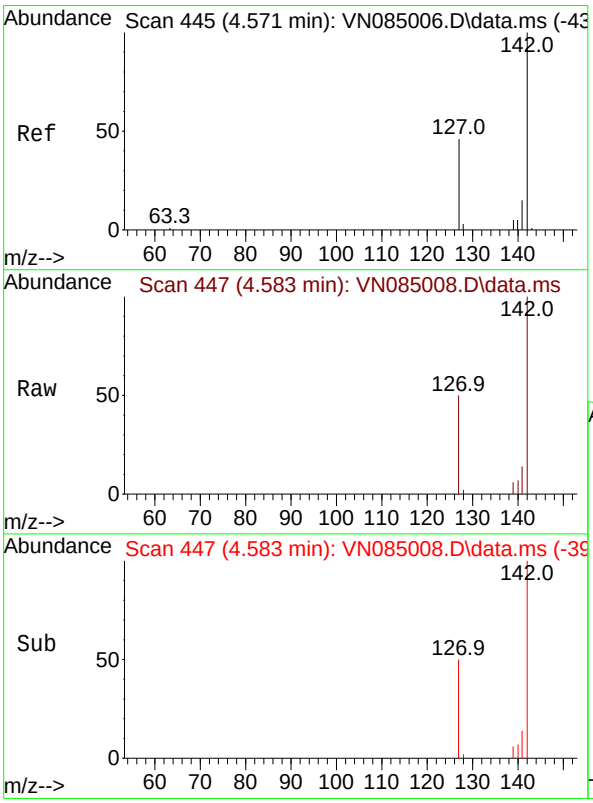
#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.693 ug/l
RT: 4.353 min Scan# 4(
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 17791

Ion	Ratio	Lower	Upper
101	100		
85	42.9	36.9	55.3
151	75.7	60.8	91.2

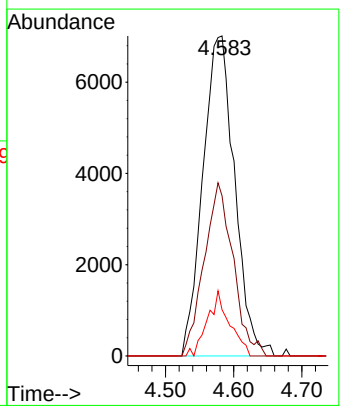


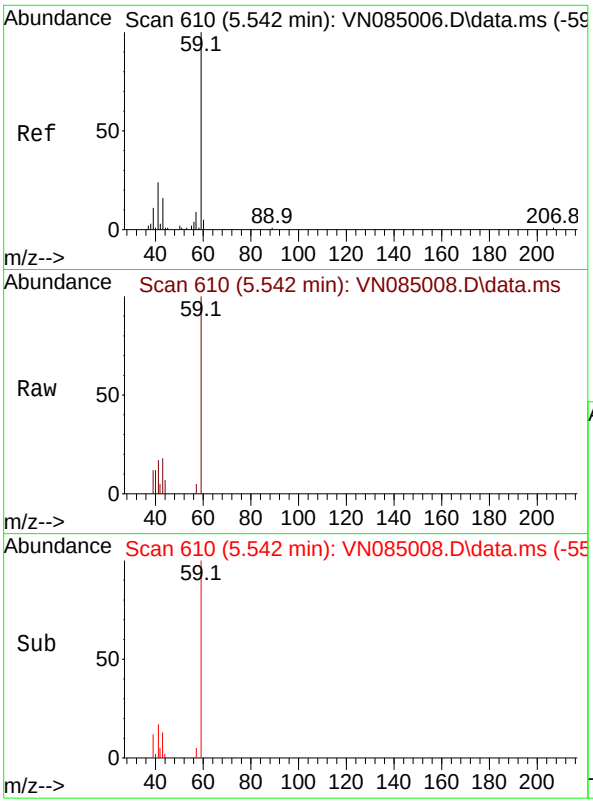


#10
Methyl Iodide
Concen: 9.353 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.012 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:142 Resp: 22722

Ion	Ratio	Lower	Upper
142	100		
127	50.1	36.6	54.8
141	14.5	12.2	18.4



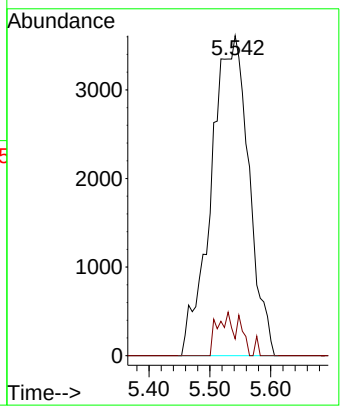


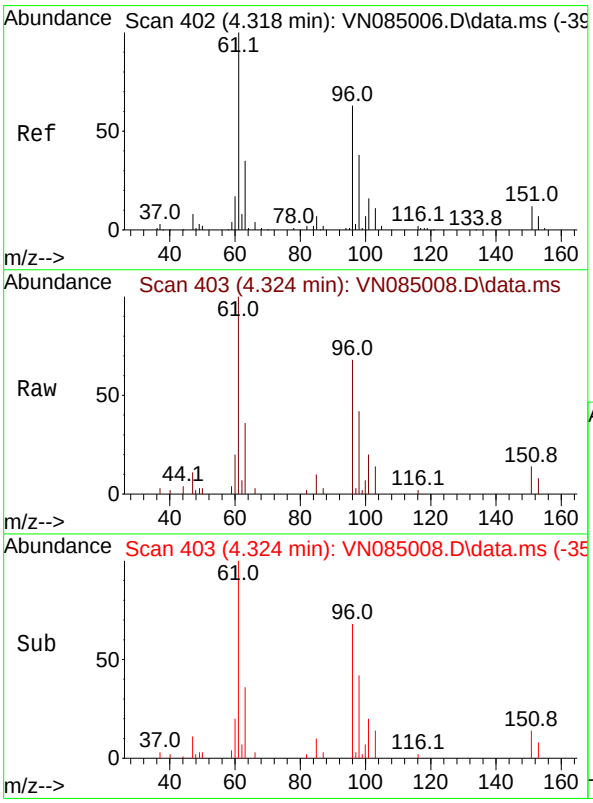
#11
Tert butyl alcohol
Concen: 50.421 ug/l
RT: 5.542 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 59 Resp: 15491

Ion	Ratio	Lower	Upper
59	100		
57	2.2	7.4	11.0#

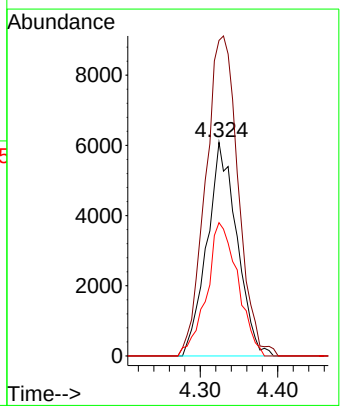


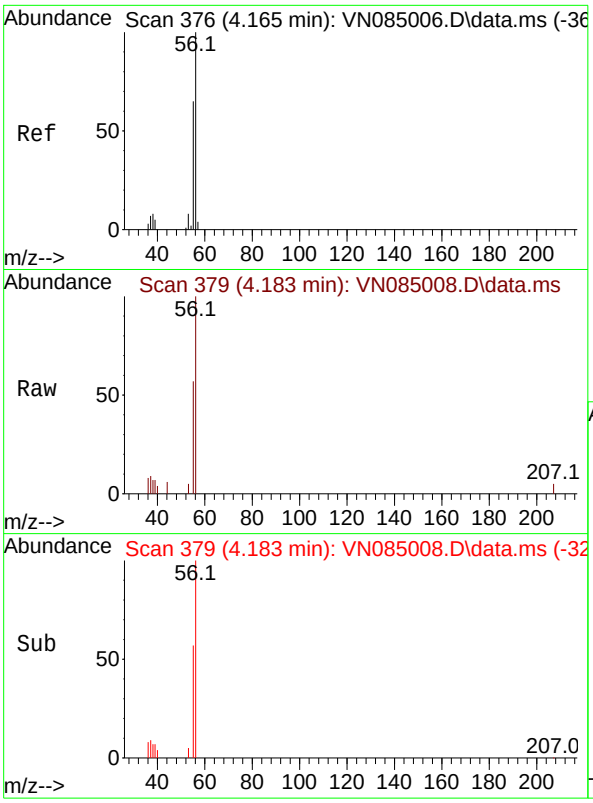


#12
1,1-Dichloroethene
Concen: 9.532 ug/l
RT: 4.324 min Scan# 403
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 96 Resp: 16330

Ion	Ratio	Lower	Upper
96	100		
61	147.7	127.8	191.8
98	62.4	49.2	73.8



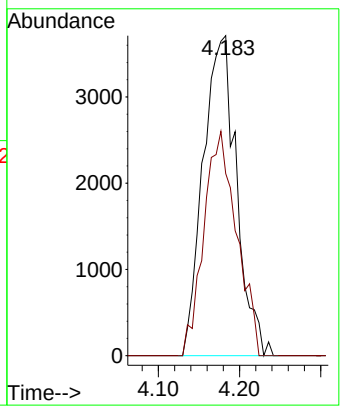


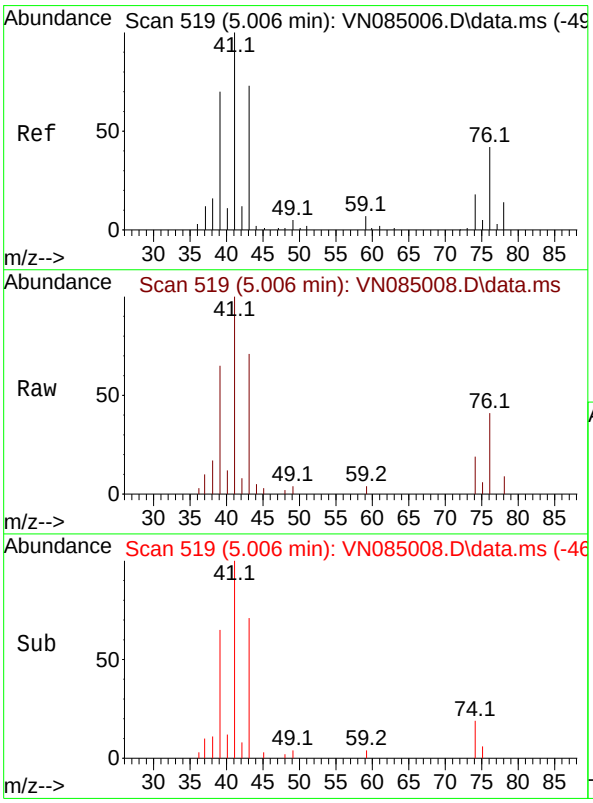
#13
Acrolein
Concen: 51.710 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.018 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 10601

Ion	Ratio	Lower	Upper
56	100		
55	68.7	54.5	81.7

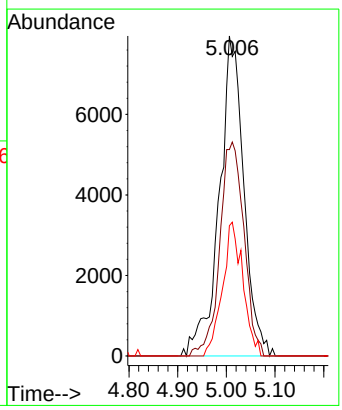


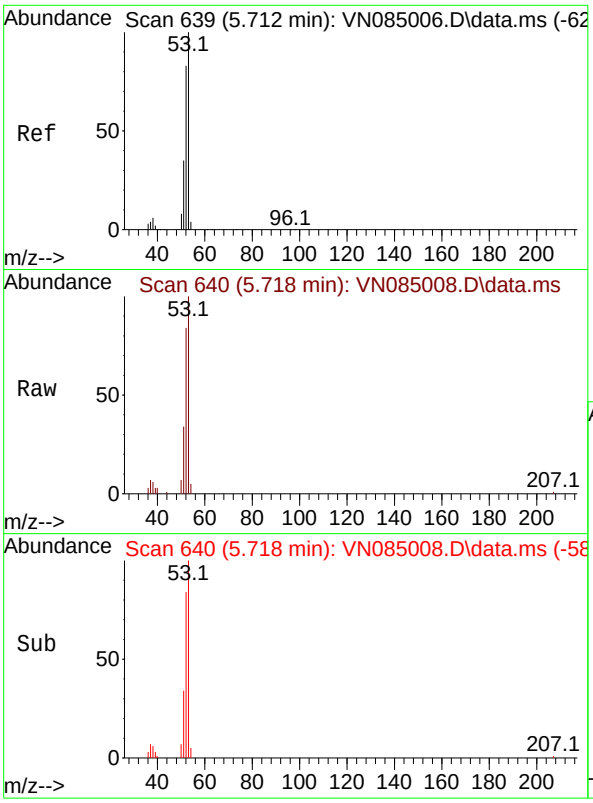


#14
Allyl chloride
Concen: 9.697 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 41 Resp: 28006

Ion	Ratio	Lower	Upper
41	100		
39	65.6	53.8	80.8
76	34.7	29.3	43.9



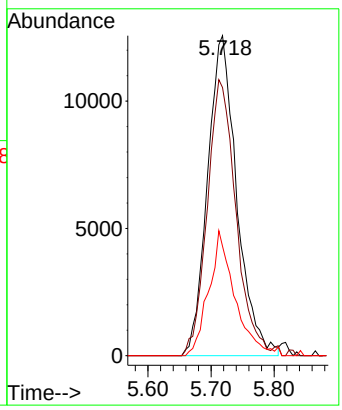


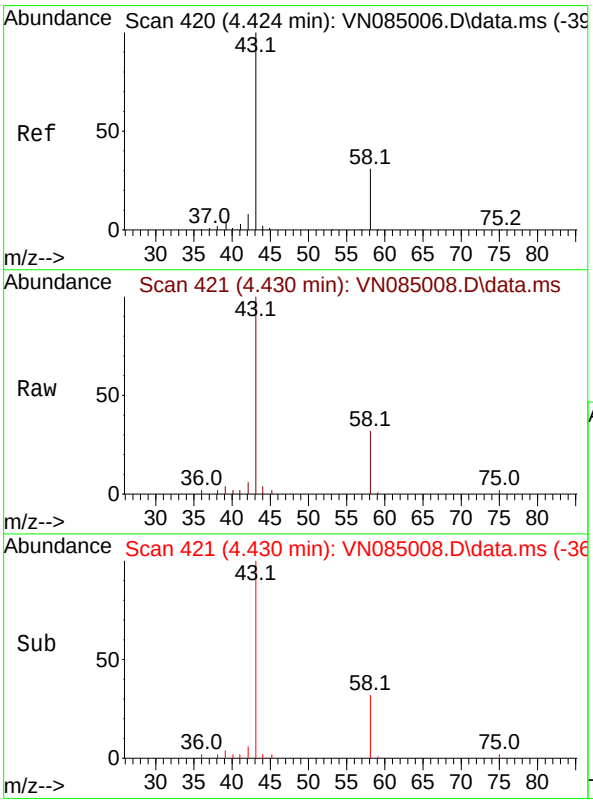
#15
Acrylonitrile
Concen: 46.525 ug/l
RT: 5.718 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 53 Resp: 40469

Ion	Ratio	Lower	Upper
53	100		
52	84.5	65.5	98.3
51	35.0	28.4	42.6

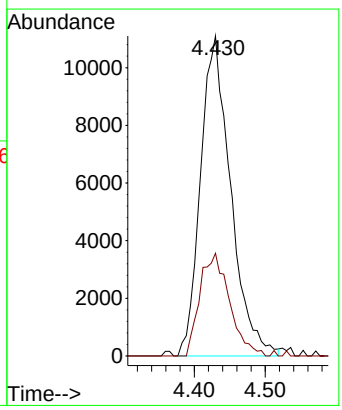


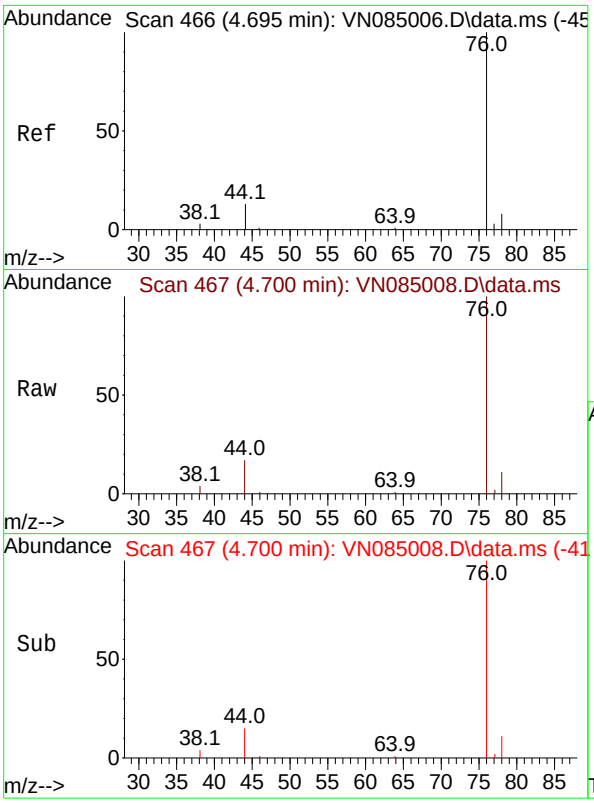


#16
Acetone
Concen: 48.900 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 43 Resp: 32743

Ion	Ratio	Lower	Upper
43	100		
58	32.1	25.4	38.2



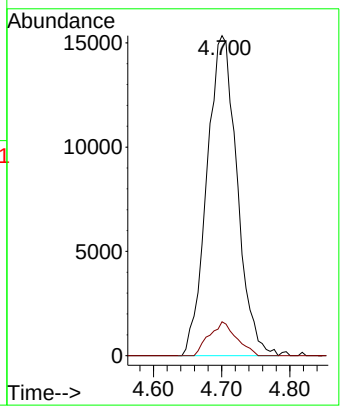


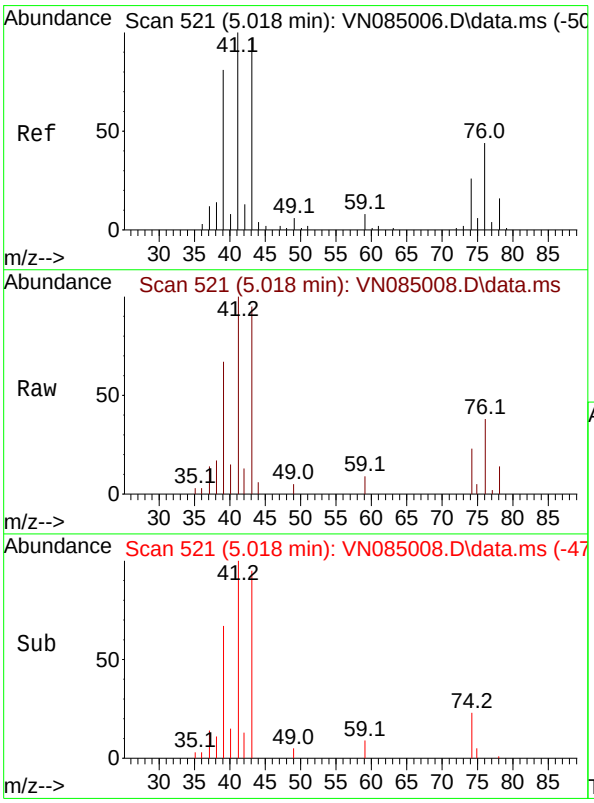
#17
Carbon Disulfide
Concen: 9.331 ug/l
RT: 4.700 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 47181

Ion	Ratio	Lower	Upper
76	100		
78	10.6	6.5	9.7#

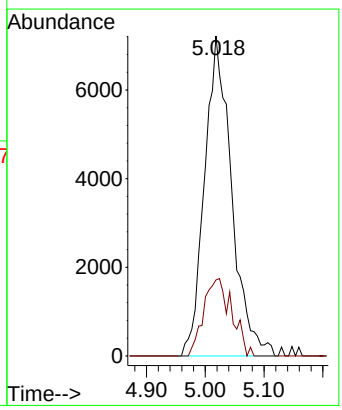


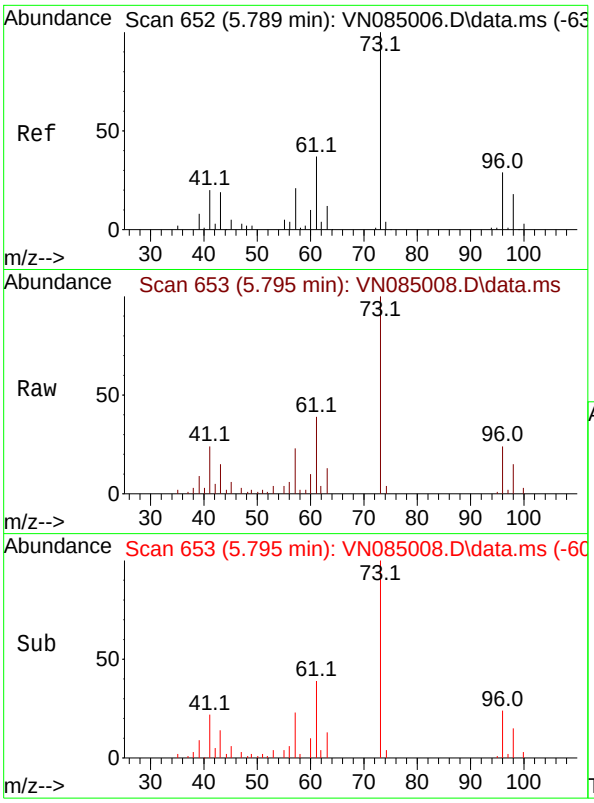


#18
Methyl Acetate
Concen: 9.856 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 43 Resp: 23065

Ion	Ratio	Lower	Upper
43	100		
74	25.0	20.1	30.1



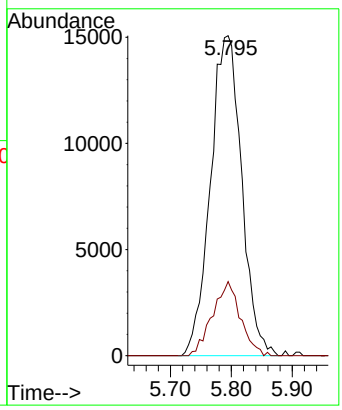


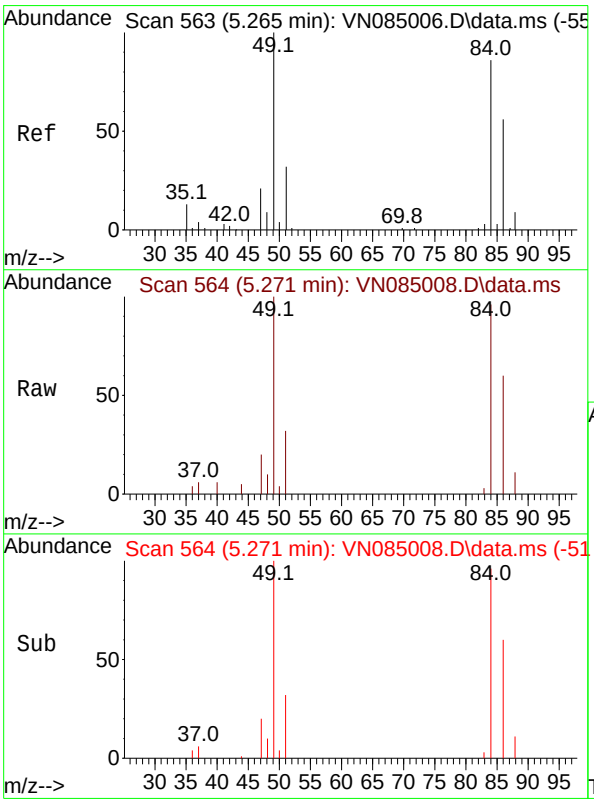
#19
Methyl tert-butyl Ether
Concen: 9.589 ug/l
RT: 5.795 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 73 Resp: 53672

Ion	Ratio	Lower	Upper
73	100		
57	23.1	17.0	25.4

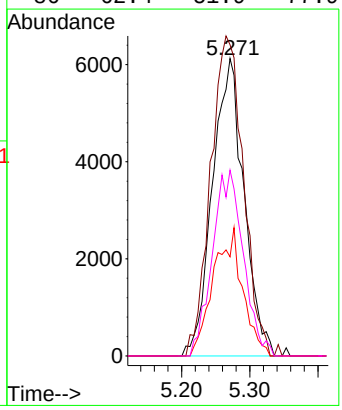


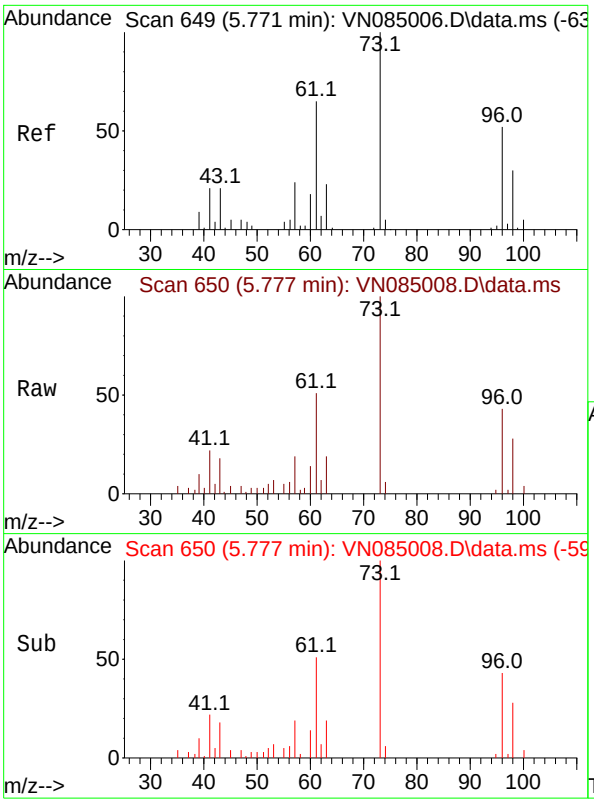


#20
Methylene Chloride
Concen: 9.632 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 84 Resp: 19680

Ion	Ratio	Lower	Upper
84	100		
49	104.6	92.7	139.1
51	33.3	29.4	44.2
86	62.4	51.9	77.9



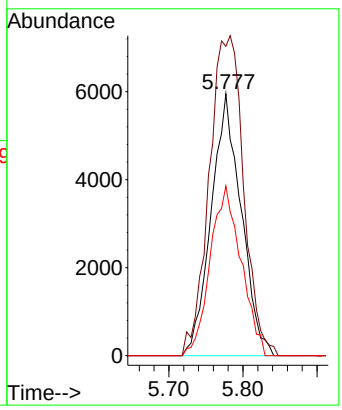


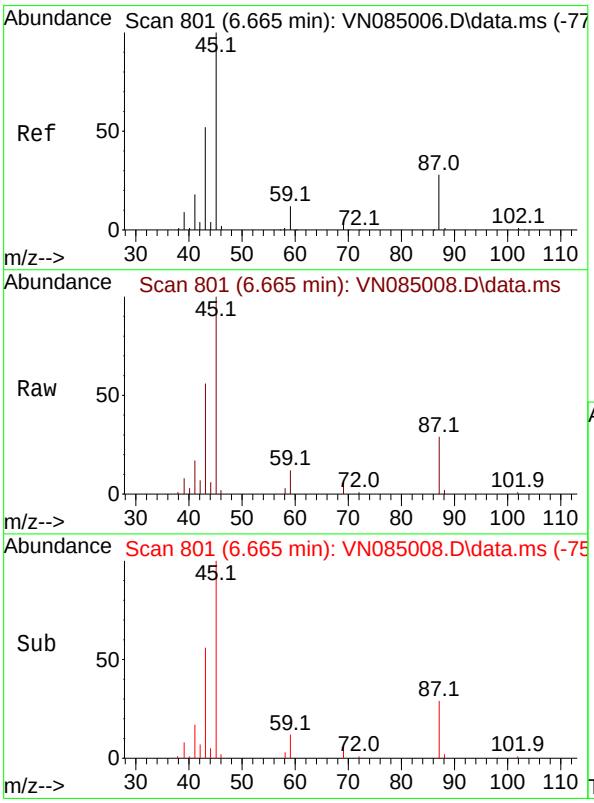
#21
trans-1,2-Dichloroethene
Concen: 9.296 ug/l
RT: 5.777 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 16759

Ion	Ratio	Lower	Upper
96	100		
61	118.2	100.7	151.1
98	64.8	45.8	68.6

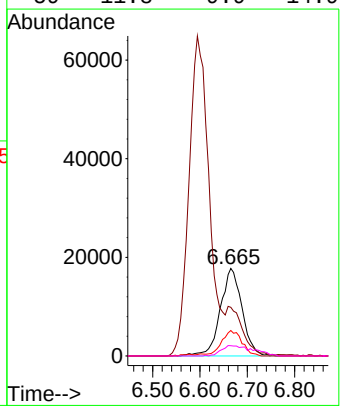


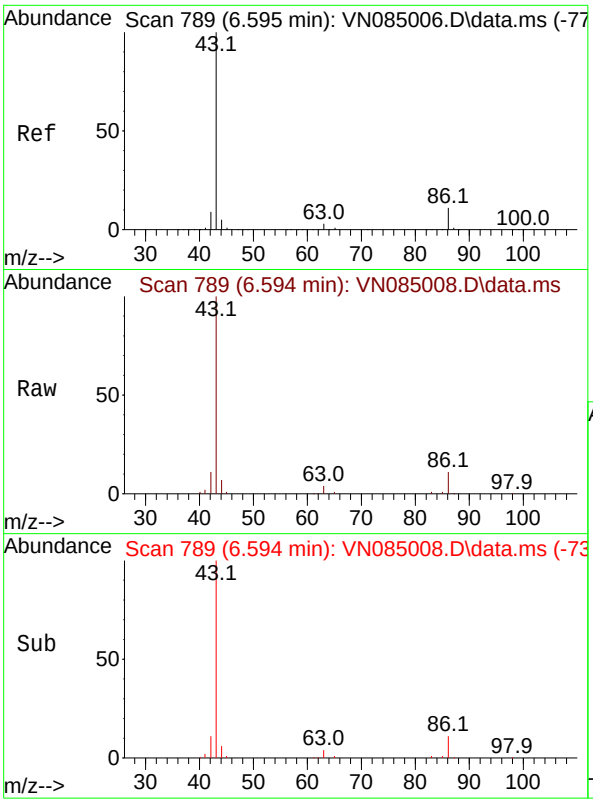


#22
Diisopropyl ether
Concen: 9.716 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 45 Resp: 56475

Ion	Ratio	Lower	Upper
45	100		
43	53.8	42.7	64.1
87	29.0	22.6	34.0
59	11.8	9.9	14.9



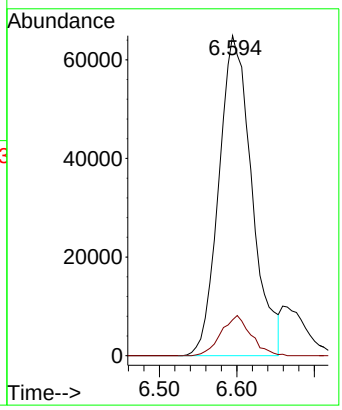


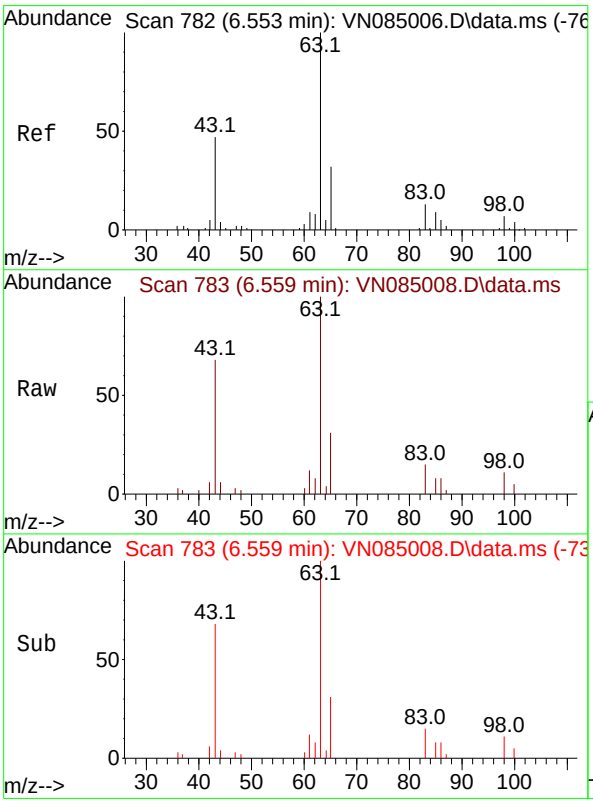
#23
Vinyl Acetate
Concen: 47.962 ug/l
RT: 6.594 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 192330

Ion	Ratio	Lower	Upper
43	100		
86	11.2	8.9	13.3

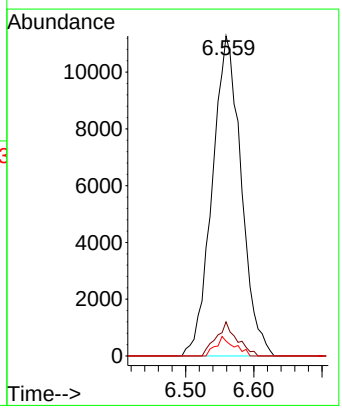


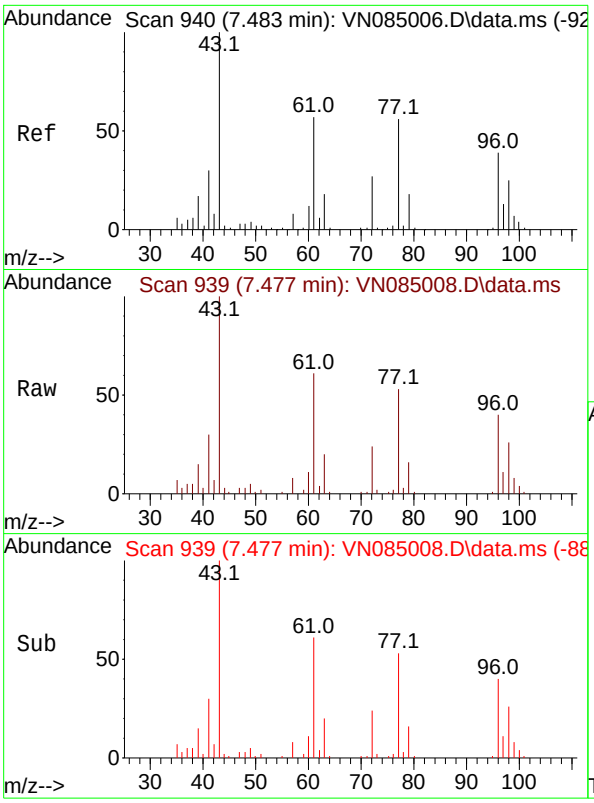


#24
1,1-Dichloroethane
Concen: 9.588 ug/l
RT: 6.559 min Scan# 783
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 63 Resp: 33350

Ion	Ratio	Lower	Upper
63	100		
98	10.7	3.3	9.8#
100	4.7	2.2	6.6



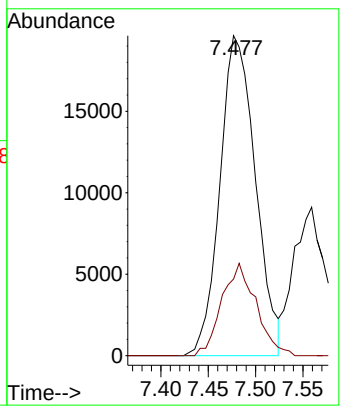


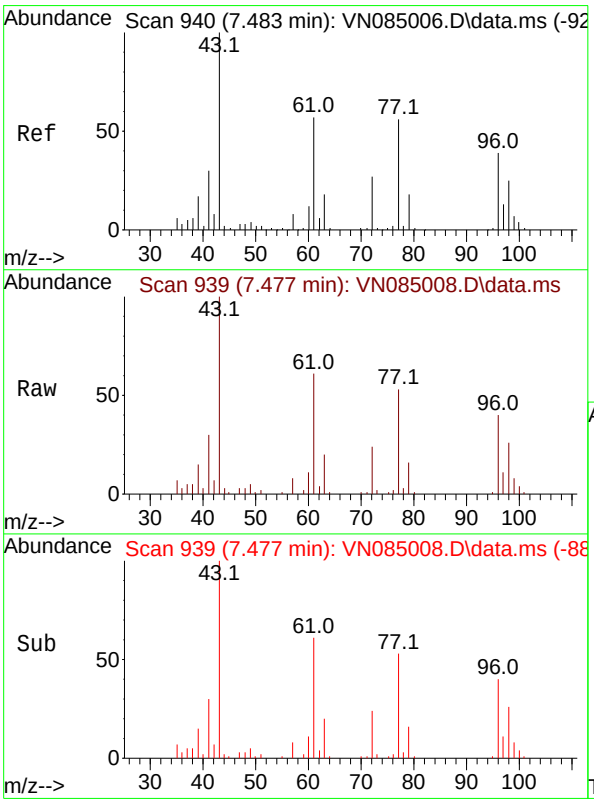
#25
2-Butanone
Concen: 46.790 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 51223

Ion	Ratio	Lower	Upper
43	100		
72	24.0	21.4	32.0

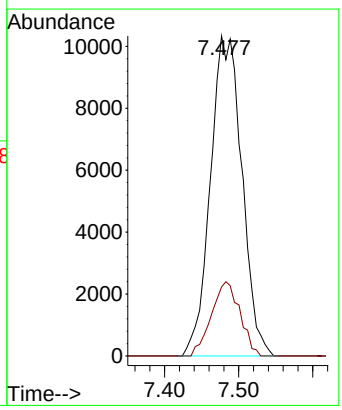


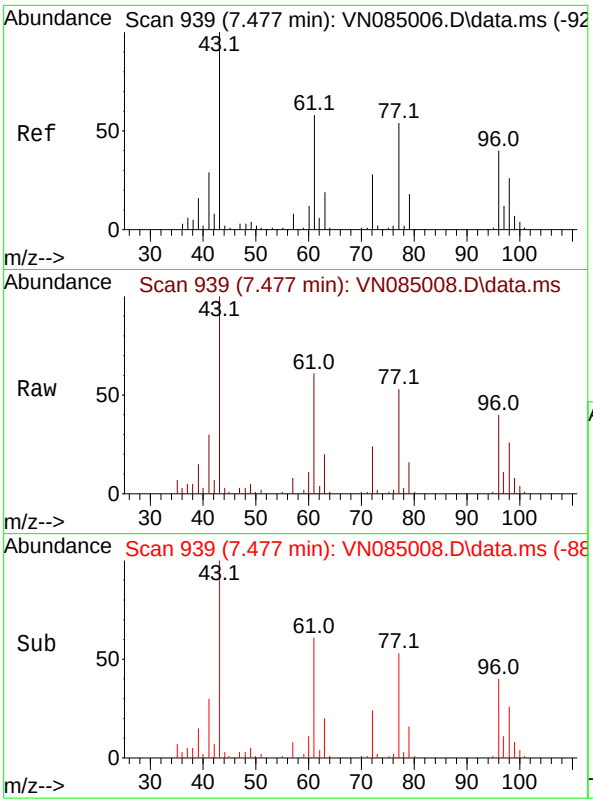


#26
2,2-Dichloropropane
Concen: 9.388 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 77 Resp: 30494

Ion	Ratio	Lower	Upper
77	100		
97	21.0	10.9	32.7



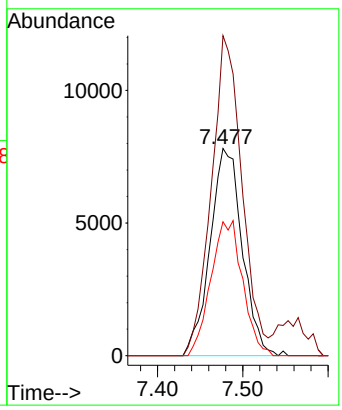


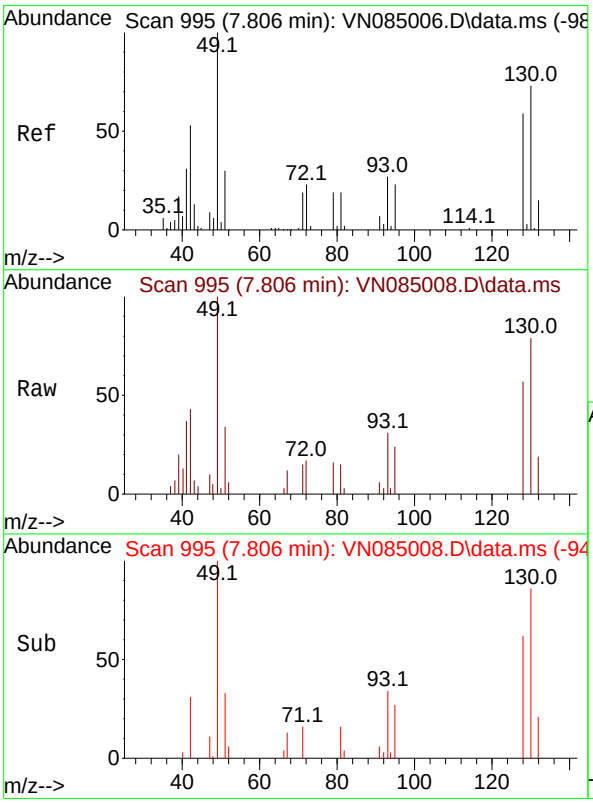
#27
cis-1,2-Dichloroethene
Concen: 9.418 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 20469

Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	291.6
98	64.5	0.0	129.8

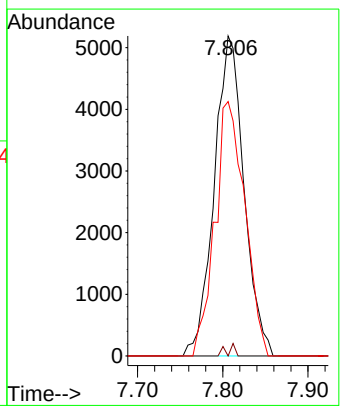


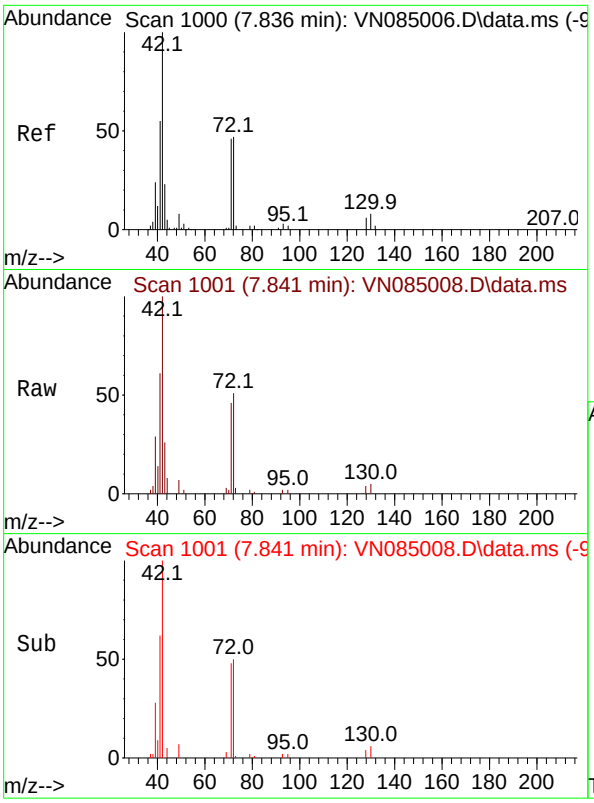


#28
Bromochloromethane
Concen: 9.591 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 49 Resp: 12594

Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	4.0
130	79.8	60.6	90.8



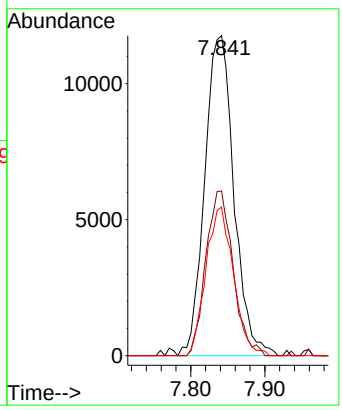


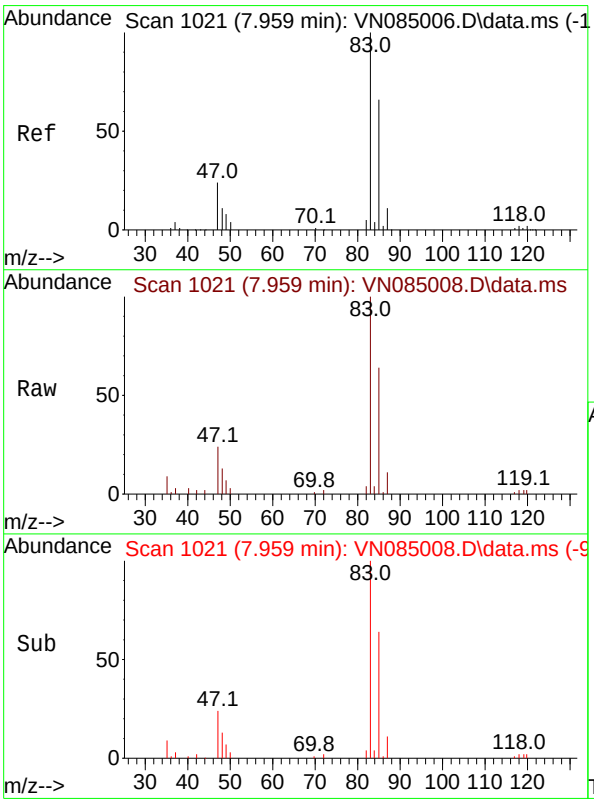
#29
Tetrahydrofuran
Concen: 47.294 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 42 Resp: 32197

Ion	Ratio	Lower	Upper
42	100		
72	47.9	37.0	55.4
71	43.8	35.0	52.4

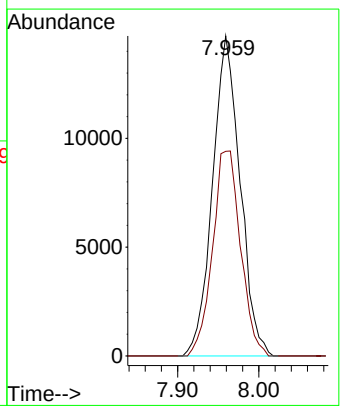


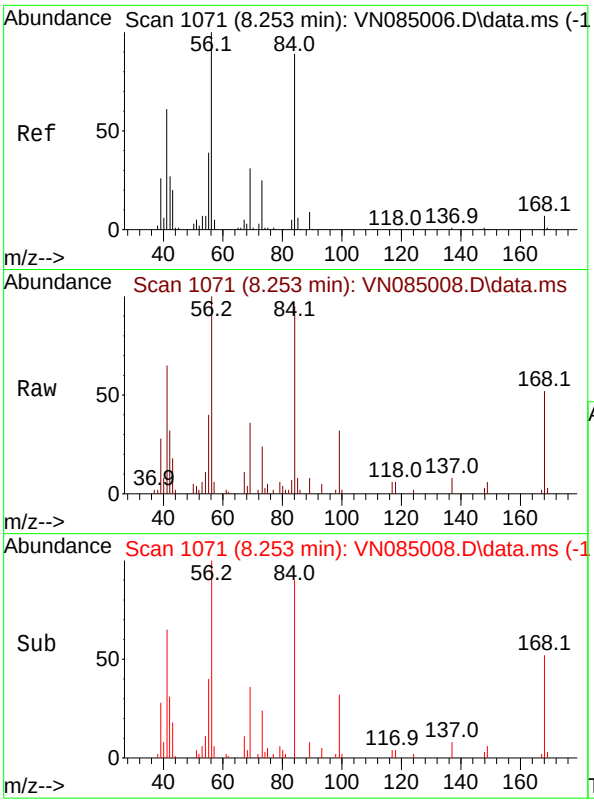


#30
Chloroform
Concen: 9.365 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 83 Resp: 34651

Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.6	78.8



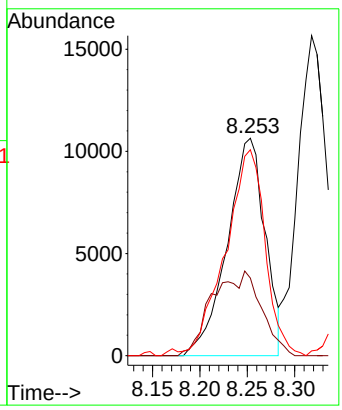


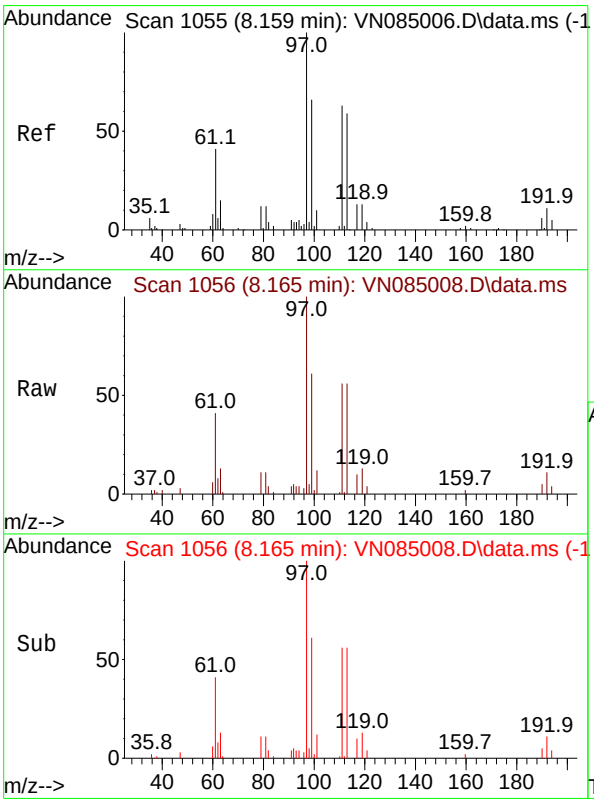
#31
Cyclohexane
Concen: 9.641 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 29526

Ion	Ratio	Lower	Upper
56	100		
69	35.7	24.6	36.8
84	92.9	71.4	107.2

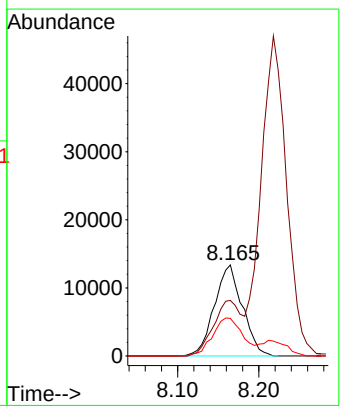


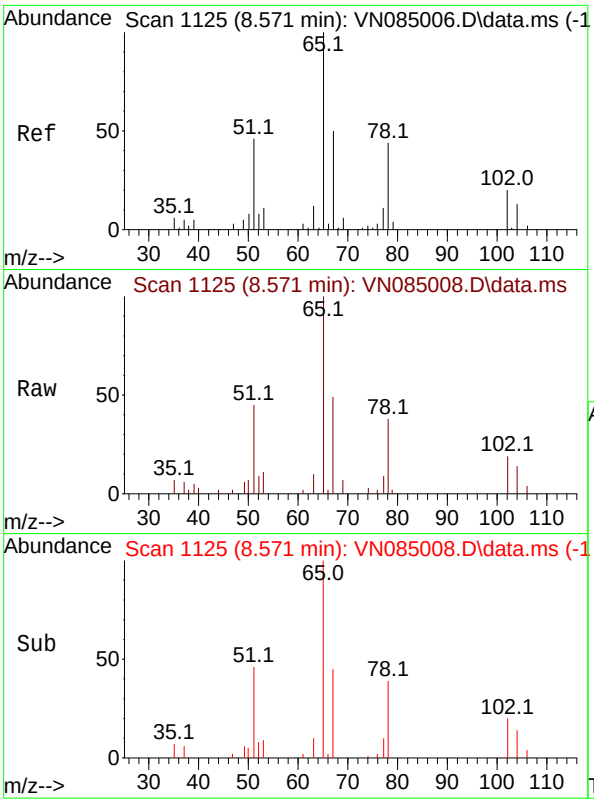


#32
1,1,1-Trichloroethane
Concen: 9.587 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 97 Resp: 32054

Ion	Ratio	Lower	Upper
97	100		
99	61.9	51.0	76.4
61	44.6	36.2	54.2



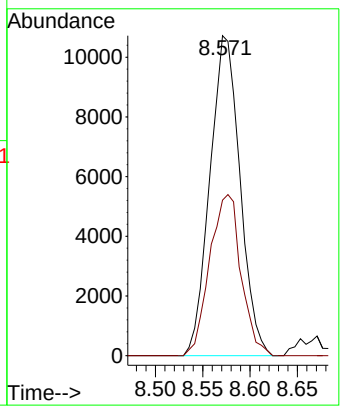


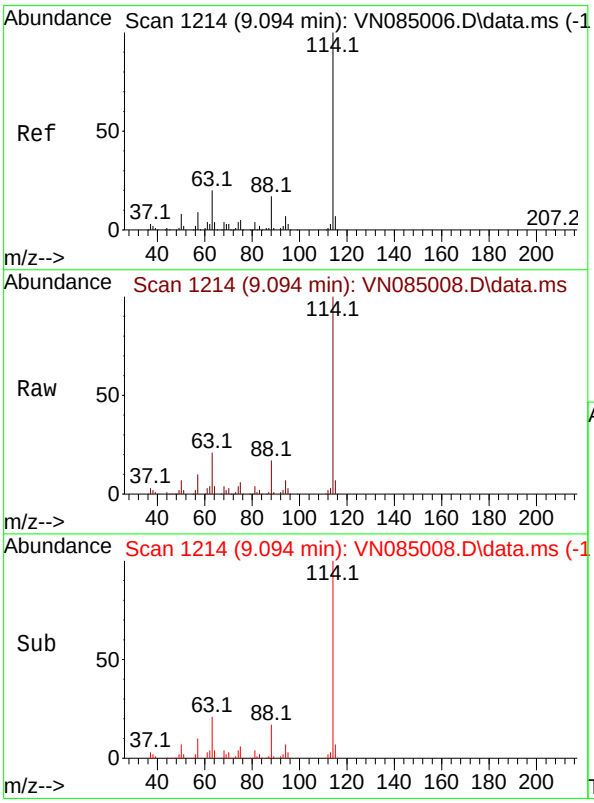
#33
1,2-Dichloroethane-d4
Concen: 10.323 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 65 Resp: 23734

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	105.0

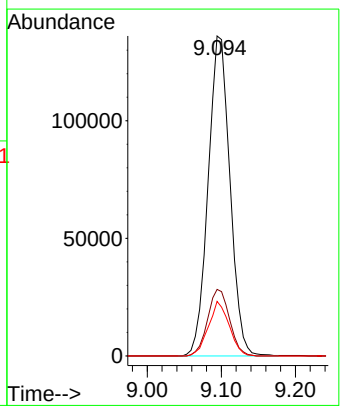


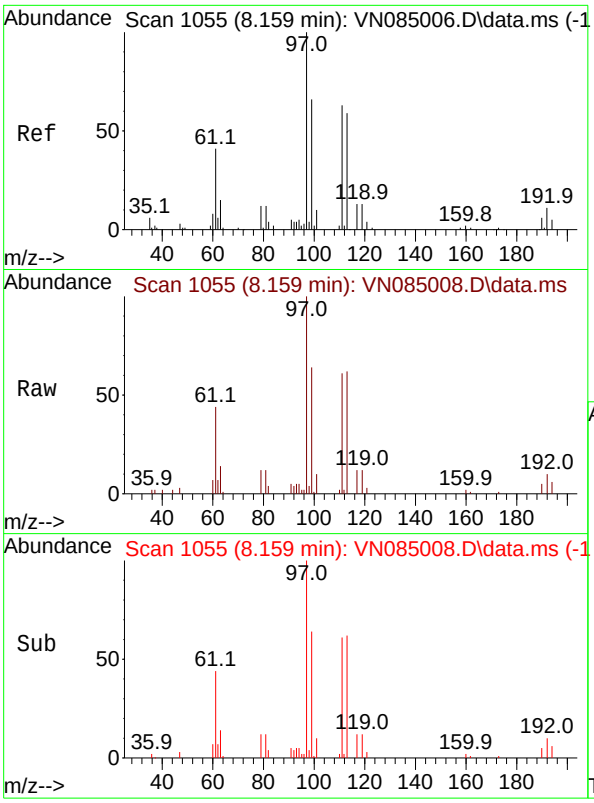


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:114 Resp: 278264

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	41.0
88	17.1	0.0	34.8



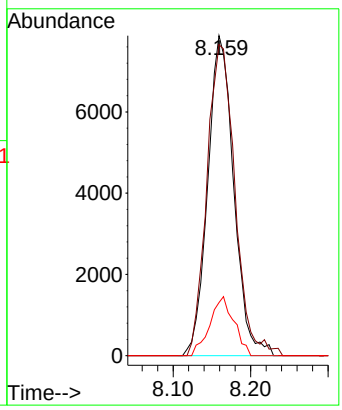


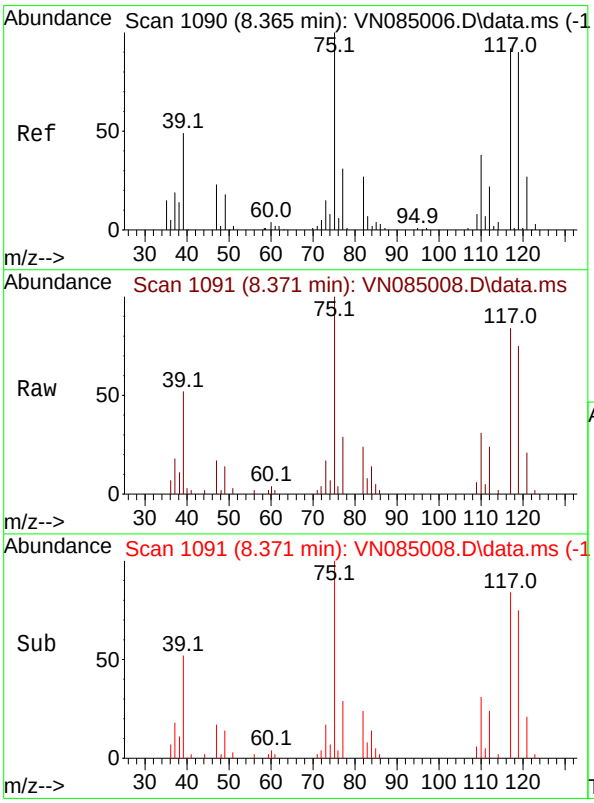
#35
Dibromofluoromethane
Concen: 9.801 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:113 Resp: 18392

Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.0	123.0
192	17.1	14.8	22.2

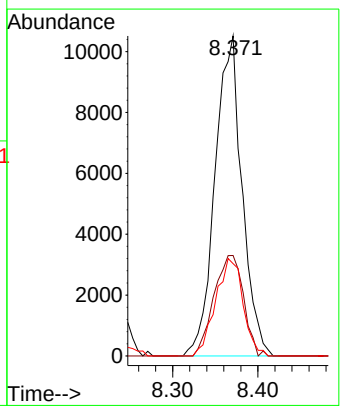


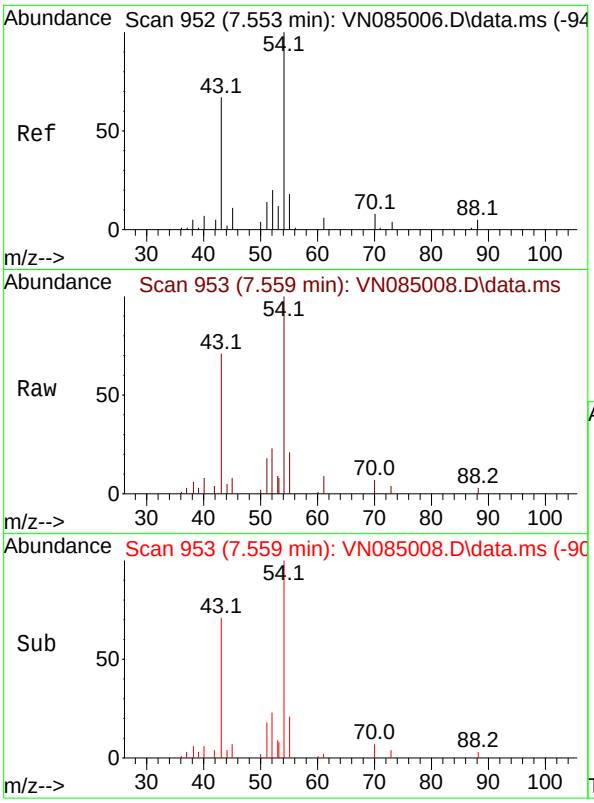


#36
1,1-Dichloropropene
Concen: 9.130 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 75 Resp: 23205

Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.2	51.6
77	30.9	24.2	36.4



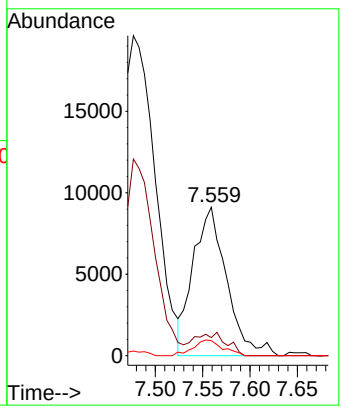


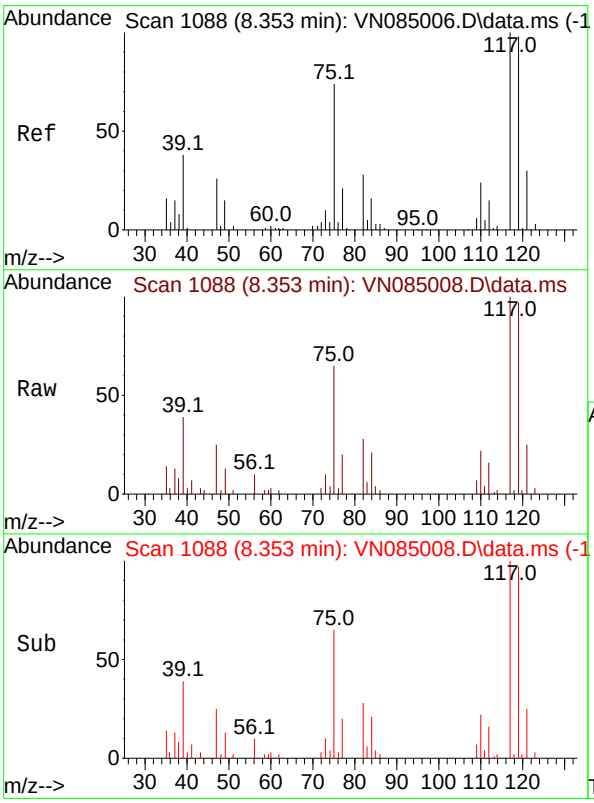
#37
Ethyl Acetate
Concen: 9.732 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 22487

Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.7	17.5
70	9.2	9.3	13.9#

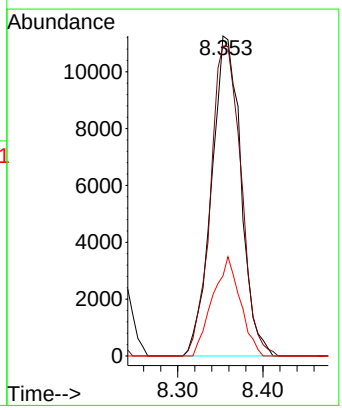


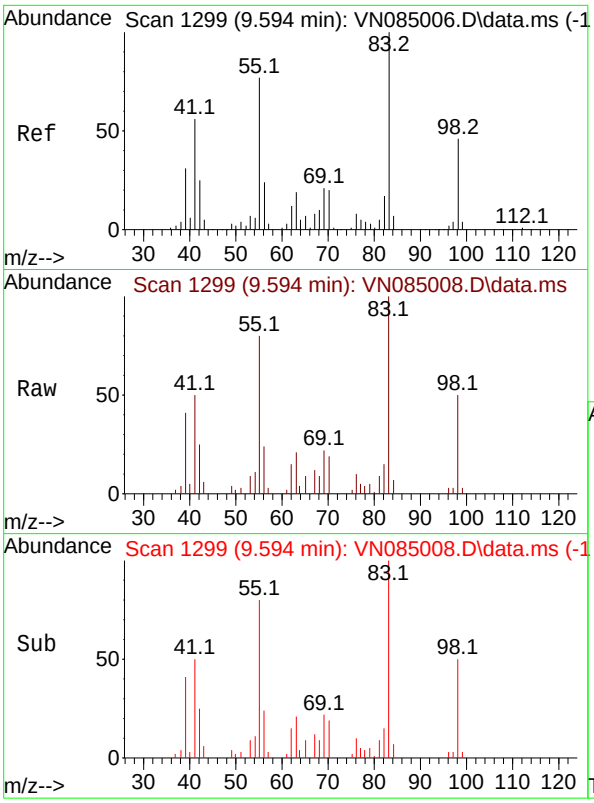


#38
Carbon Tetrachloride
Concen: 9.186 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:117 Resp: 26952

Ion	Ratio	Lower	Upper
117	100		
119	96.8	78.6	117.8
121	25.0	24.2	36.2



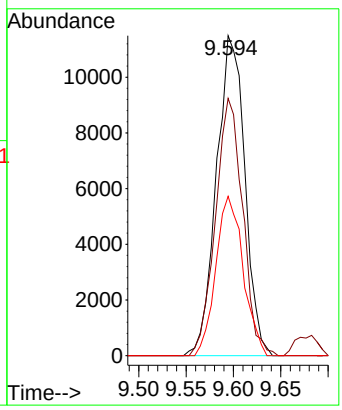


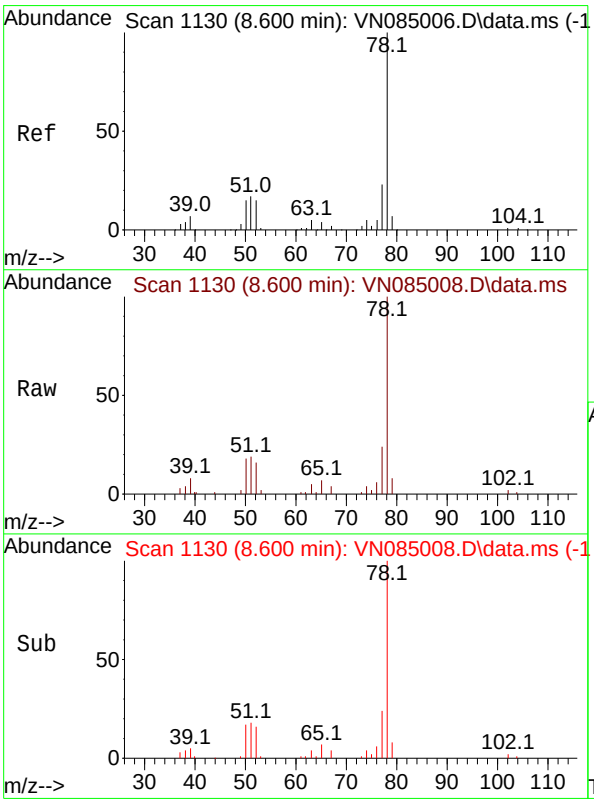
#39
Methylcyclohexane
Concen: 9.058 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 23924

Ion	Ratio	Lower	Upper
83	100		
55	80.4	61.8	92.6
98	49.8	37.0	55.6

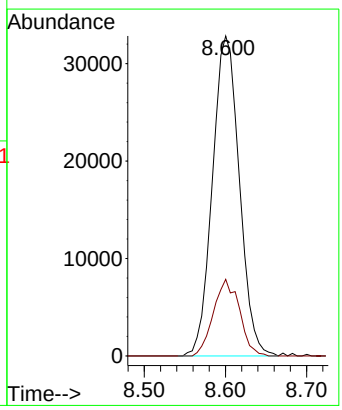


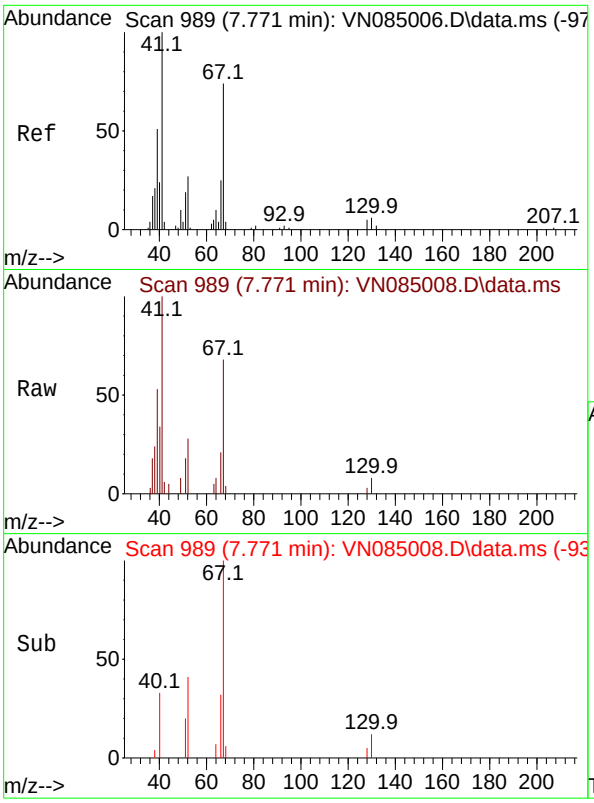


#40
Benzene
Concen: 9.404 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 78 Resp: 75597

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.5	27.7



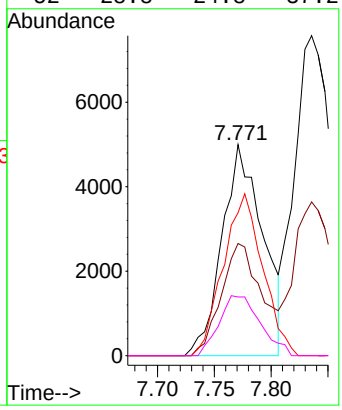


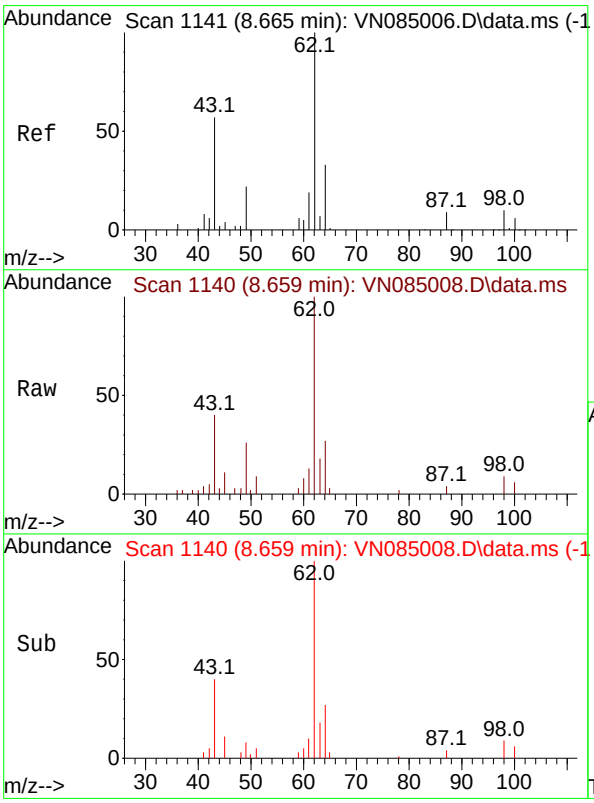
#41
Methacrylonitrile
Concen: 9.705 ug/l
RT: 7.771 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 41 Resp: 12417

Ion	Ratio	Lower	Upper
41	100		
39	53.3	42.6	63.8
67	74.5	59.9	89.9
52	28.8	24.8	37.2

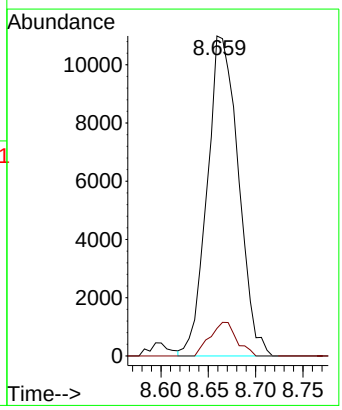


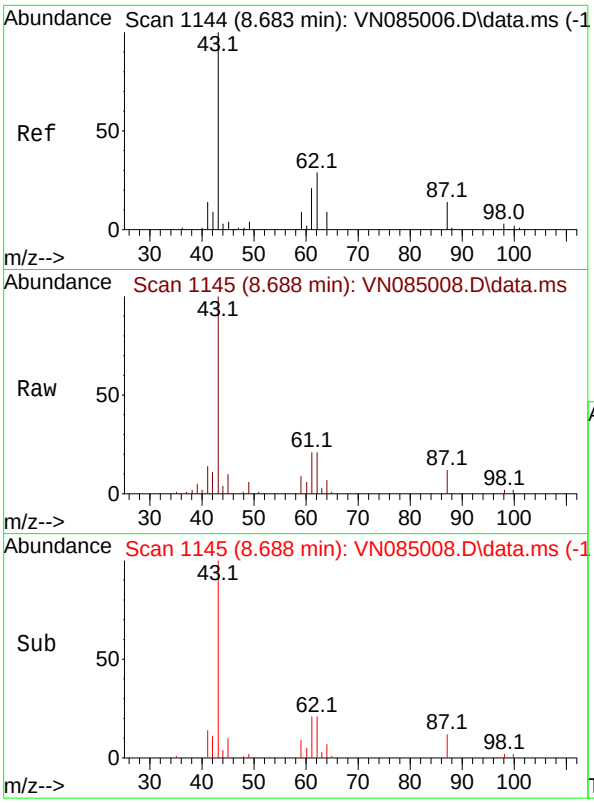


#42
1,2-Dichloroethane
Concen: 9.152 ug/l
RT: 8.659 min Scan# 1140
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 62 Resp: 25169

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2



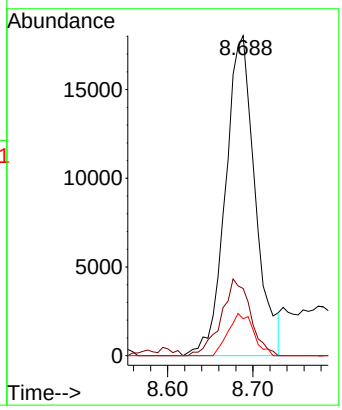


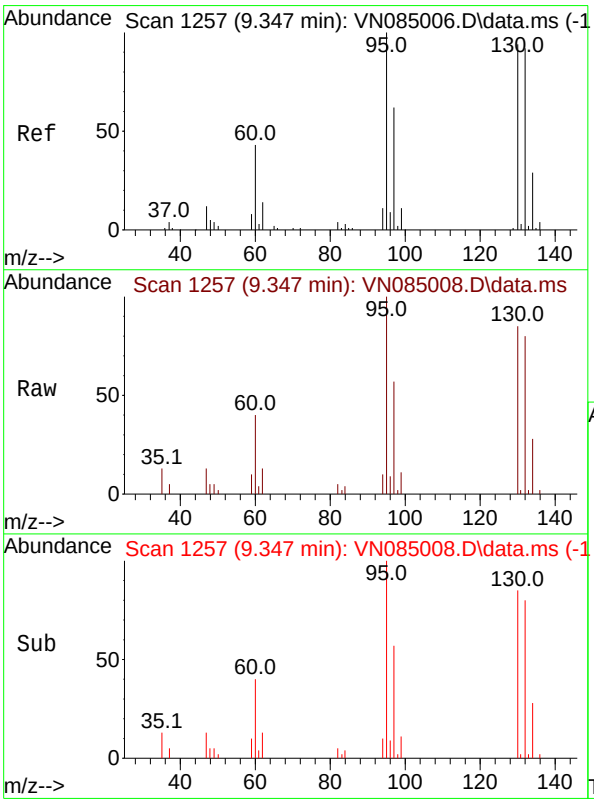
#43
Isopropyl Acetate
Concen: 9.108 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 43717

Ion	Ratio	Lower	Upper
43	100		
61	23.5	20.6	30.8
87	11.2	11.0	16.4

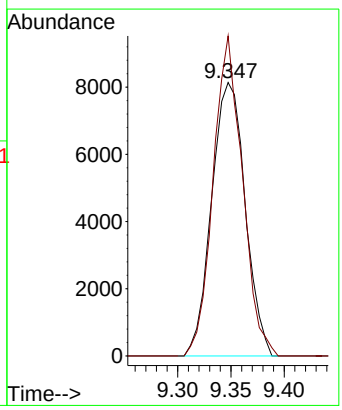


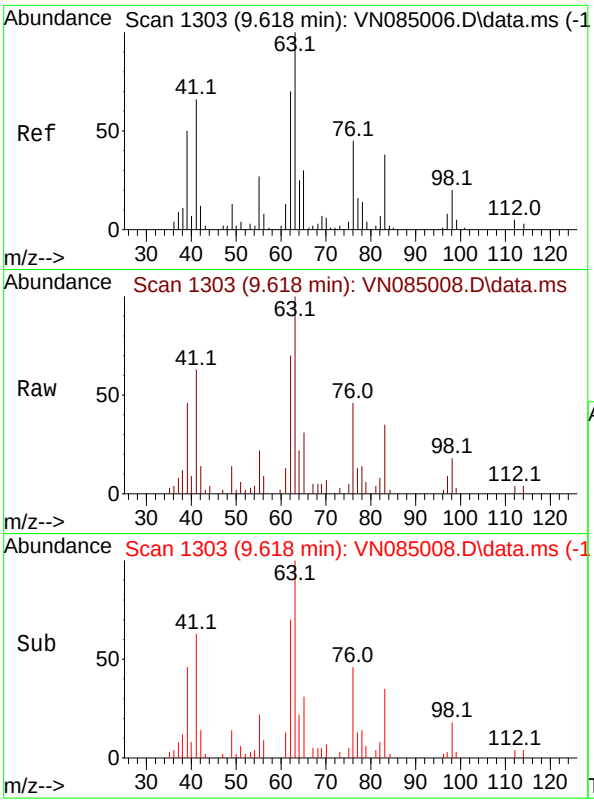


#44
Trichloroethene
Concen: 9.547 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:130 Resp: 17835

Ion	Ratio	Lower	Upper
130	100		
95	117.0	0.0	213.4



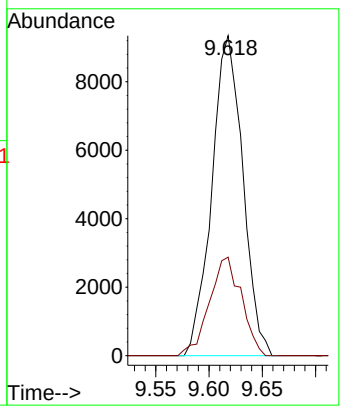


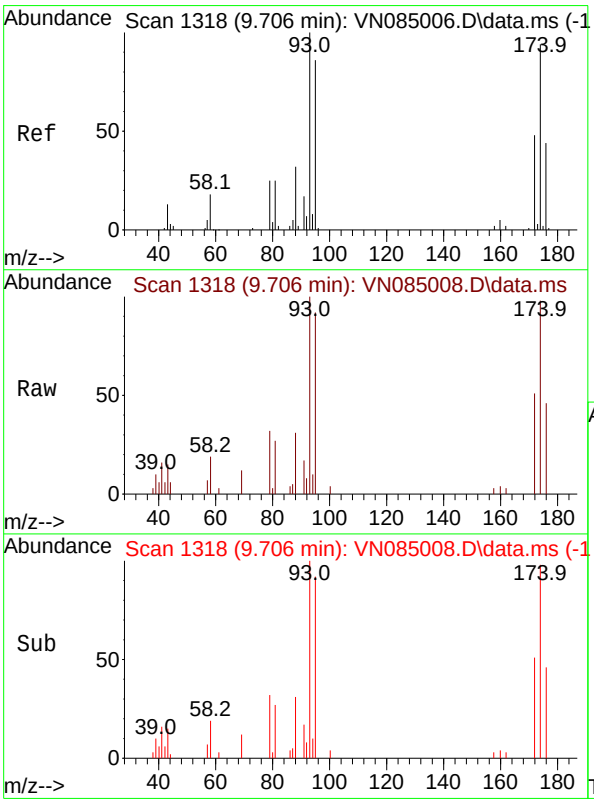
#45
1,2-Dichloropropane
Concen: 9.546 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 63 Resp: 18902

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.0	36.0

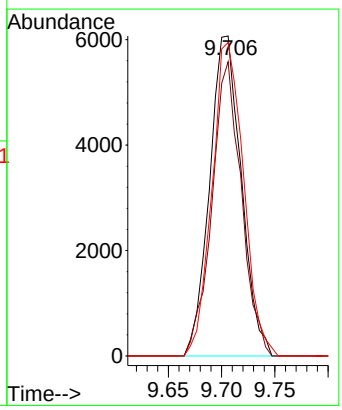


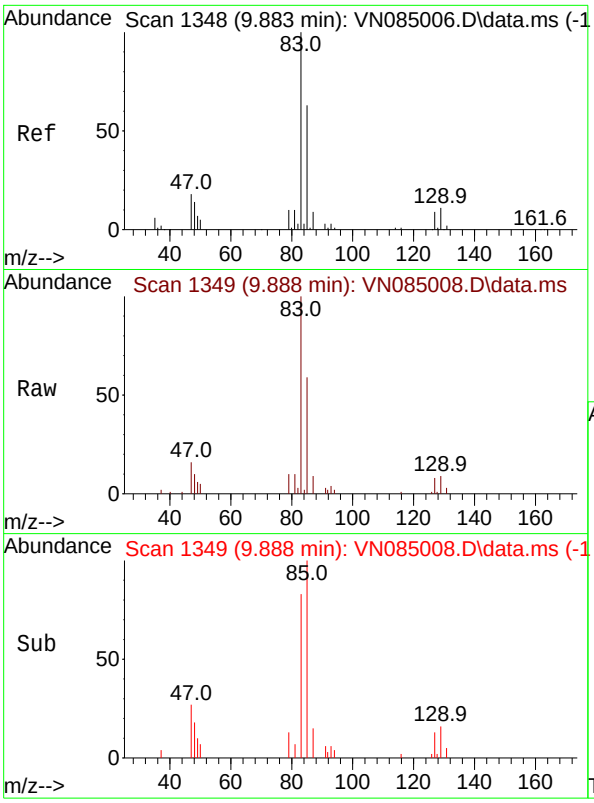


#46
Dibromomethane
Concen: 9.114 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 93 Resp: 12540

Ion	Ratio	Lower	Upper
93	100		
95	85.5	66.2	99.4
174	97.5	74.9	112.3



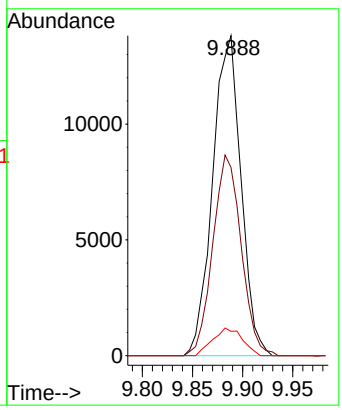


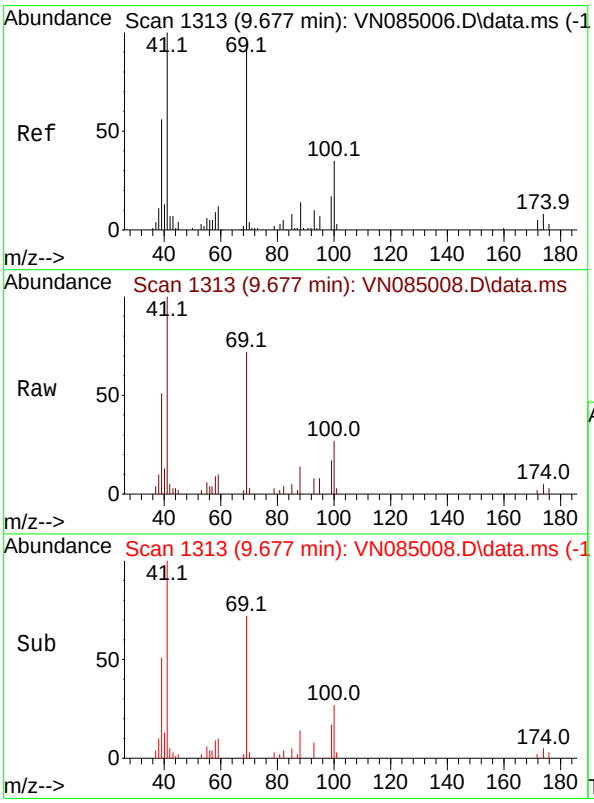
#47
Bromodichloromethane
Concen: 9.306 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 27136

Ion	Ratio	Lower	Upper
83	100		
85	58.8	50.5	75.7
127	7.6	7.1	10.7

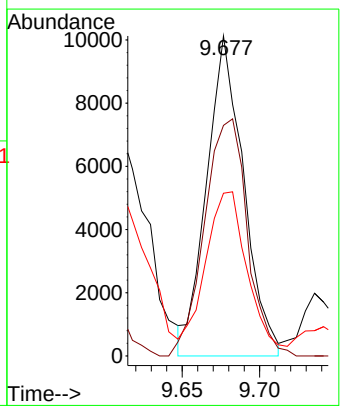


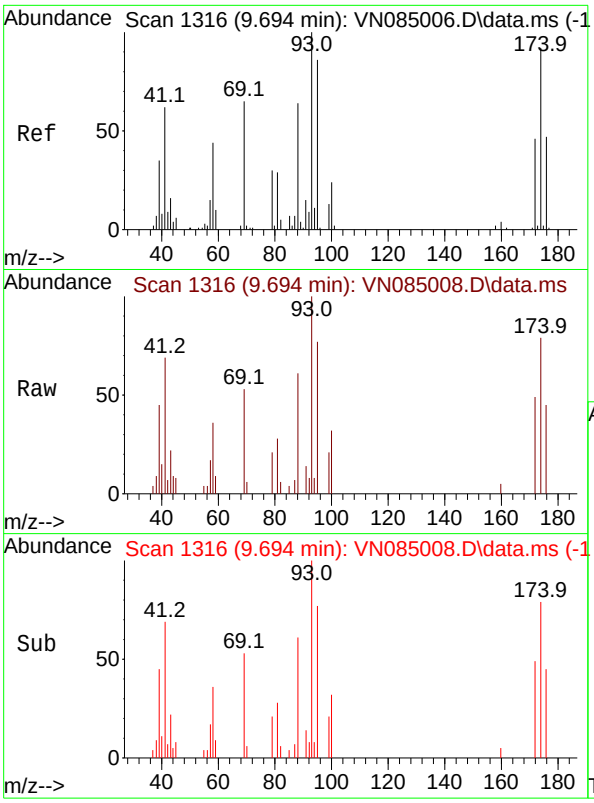


#48
Methyl methacrylate
Concen: 9.402 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 41 Resp: 16793

Ion	Ratio	Lower	Upper
41	100		
69	85.7	73.2	109.8
39	59.4	46.2	69.4



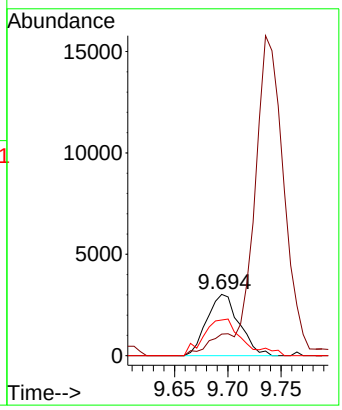


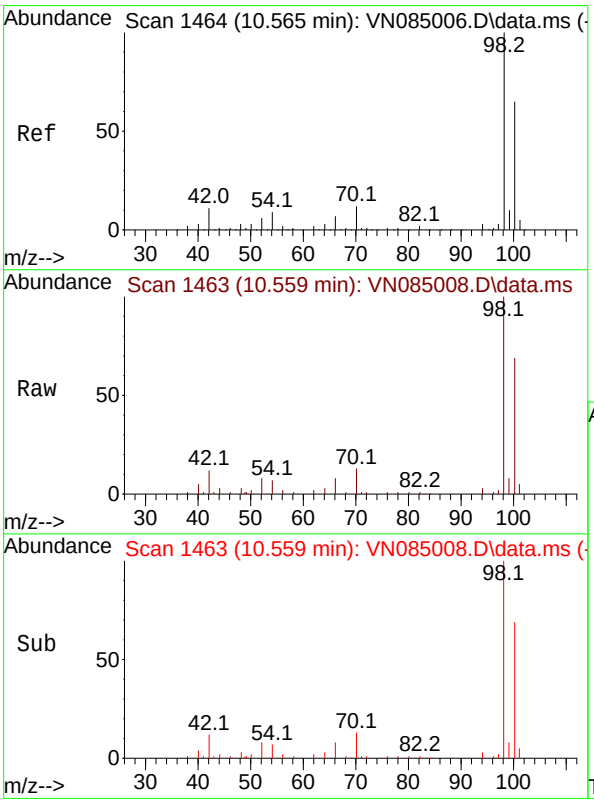
#49
1,4-Dioxane
Concen: 205.527 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 88 Resp: 6366

Ion	Ratio	Lower	Upper
88	100		
43	0.0	16.7	25.1#
58	70.8	56.5	84.7

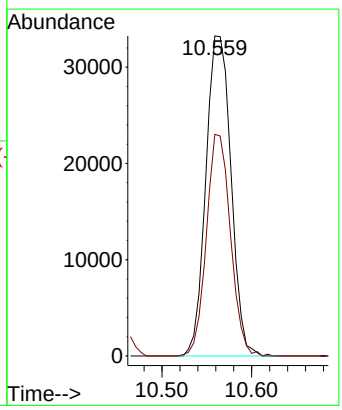


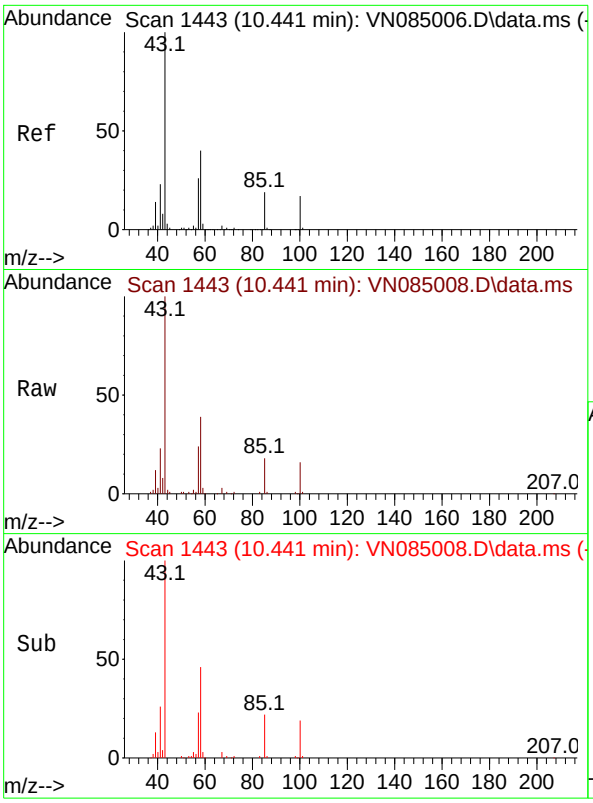


#50
Toluene-d8
Concen: 9.614 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 98 Resp: 64656

Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.5	78.7



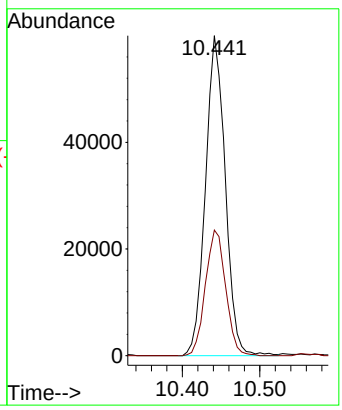


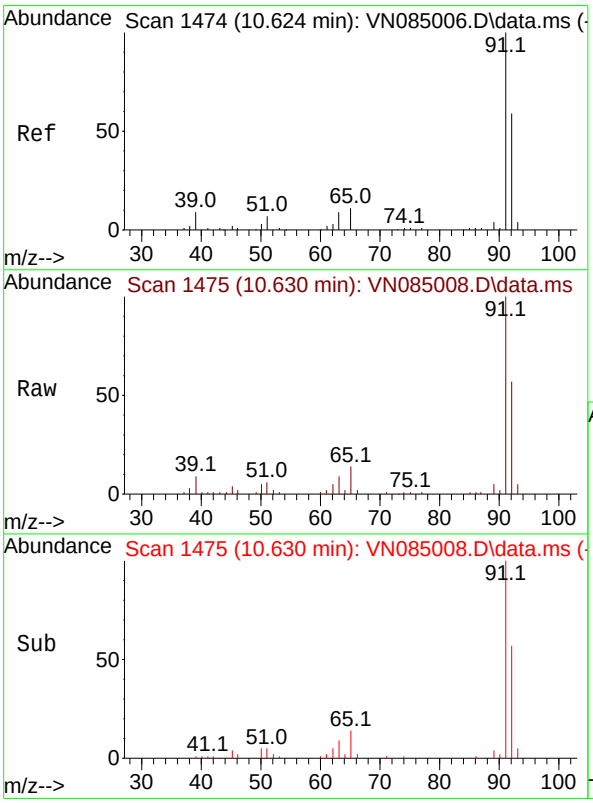
#51
4-Methyl-2-Pentanone
Concen: 48.544 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 106422

Ion	Ratio	Lower	Upper
43	100		
58	40.1	32.1	48.1

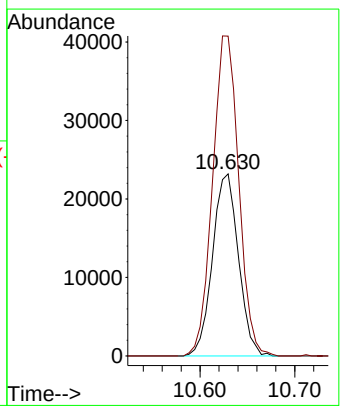


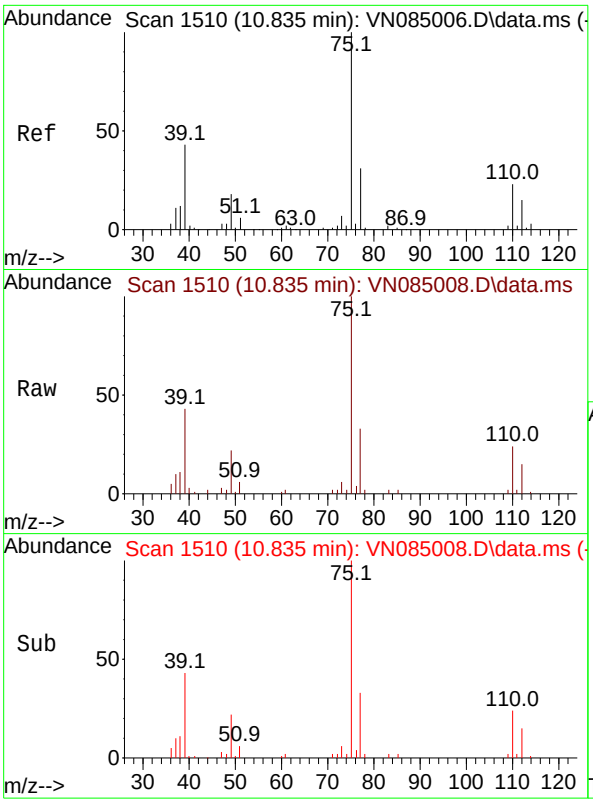


#52
Toluene
Concen: 9.261 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 92 Resp: 44072

Ion	Ratio	Lower	Upper
92	100		
91	177.5	136.7	205.1



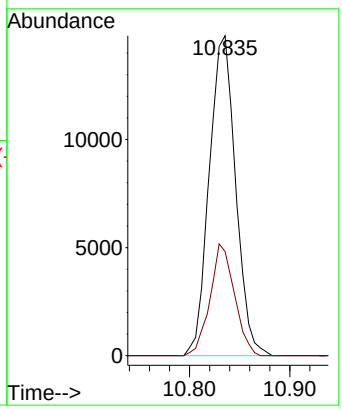


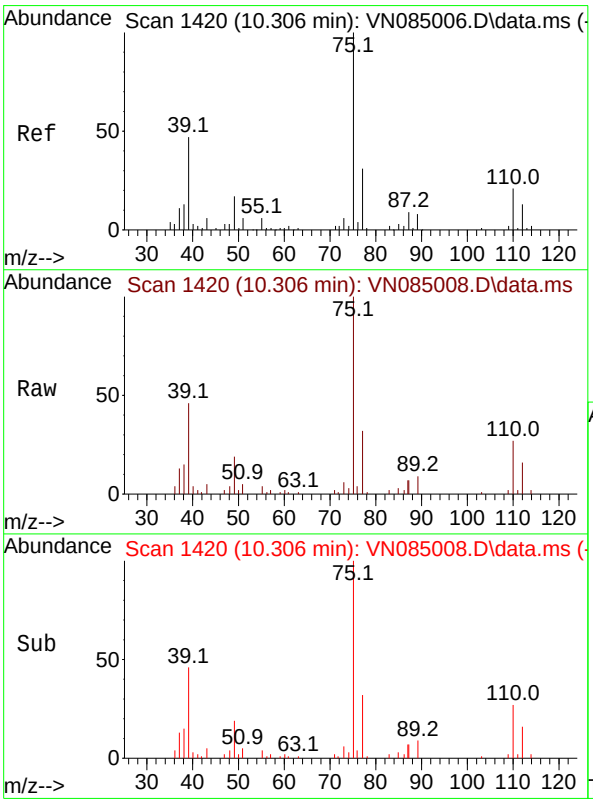
#53
t-1,3-Dichloropropene
Concen: 9.249 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 27040

Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.0	37.4

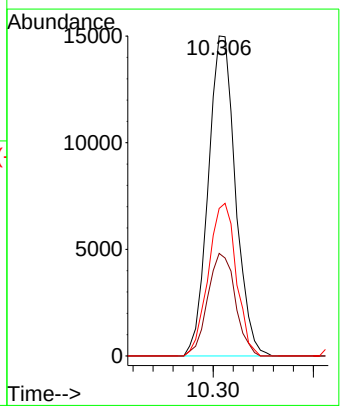


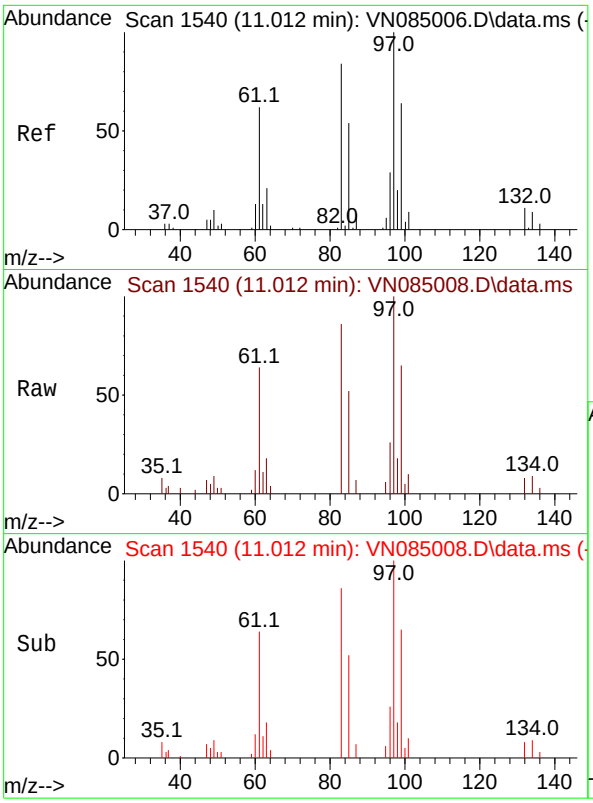


#54
cis-1,3-Dichloropropene
Concen: 9.087 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 75 Resp: 28183

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.0	37.4
39	46.1	37.6	56.4



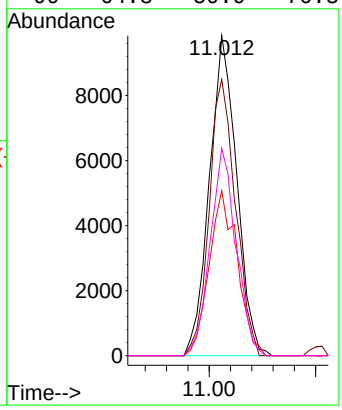


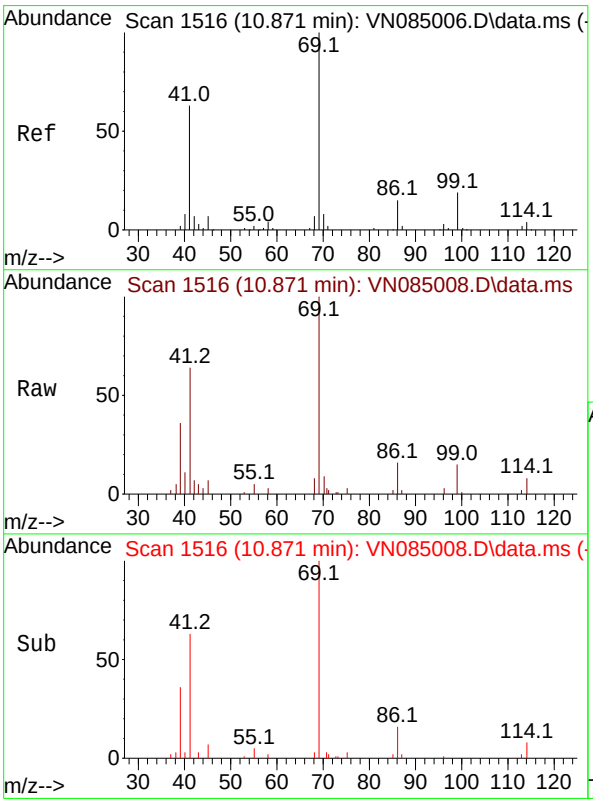
#55
1,1,2-Trichloroethane
Concen: 9.871 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 97 Resp: 17498

Ion	Ratio	Lower	Upper
97	100		
83	86.4	67.4	101.2
85	51.5	43.1	64.7
99	64.8	50.9	76.3

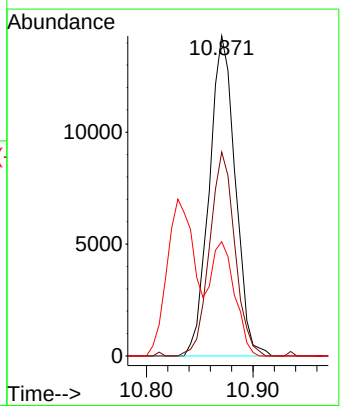


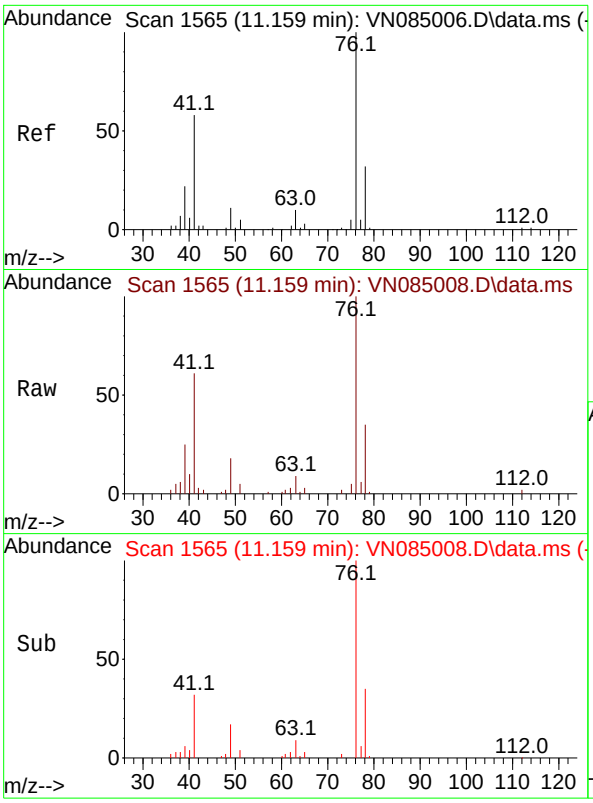


#56
Ethyl methacrylate
Concen: 9.385 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 69 Resp: 24309

Ion	Ratio	Lower	Upper
69	100		
41	61.7	50.0	75.0
39	33.1	27.0	40.6



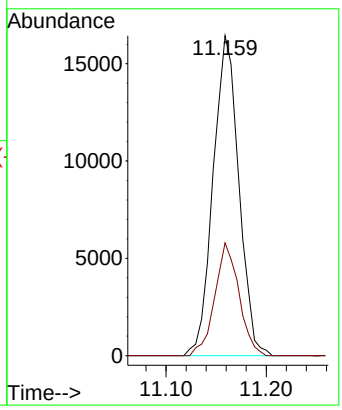


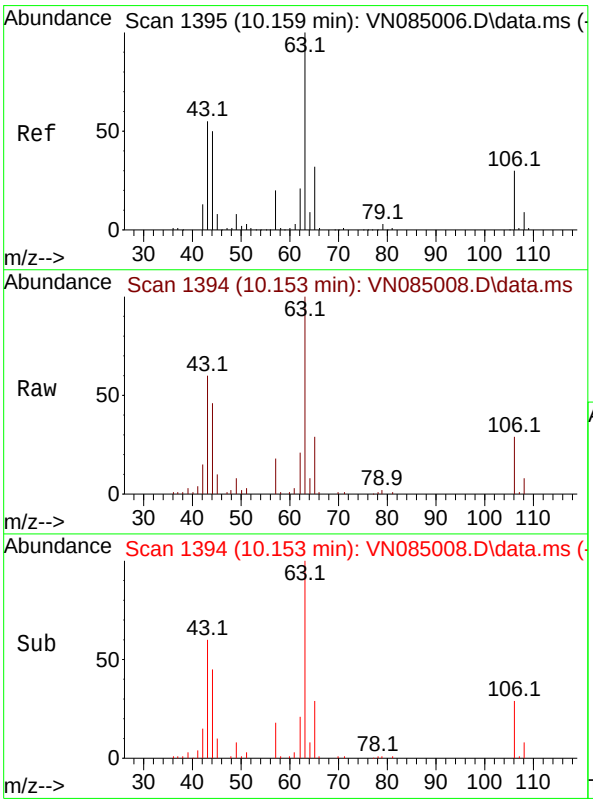
#57
1,3-Dichloropropane
Concen: 9.378 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 29257

Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.1	39.1

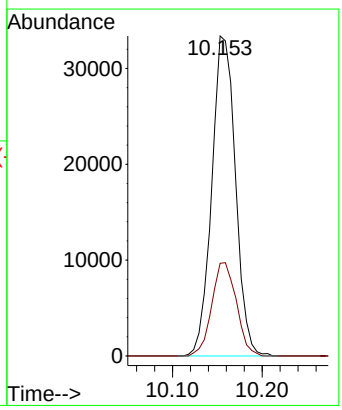


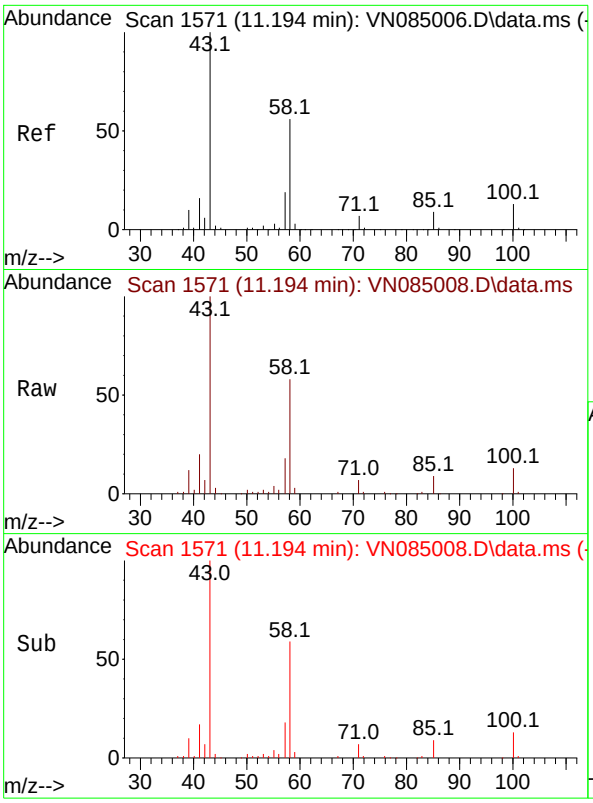


#58
2-Chloroethyl Vinyl ether
Concen: 48.207 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 63 Resp: 61252

Ion	Ratio	Lower	Upper
63	100		
106	30.3	23.0	34.6



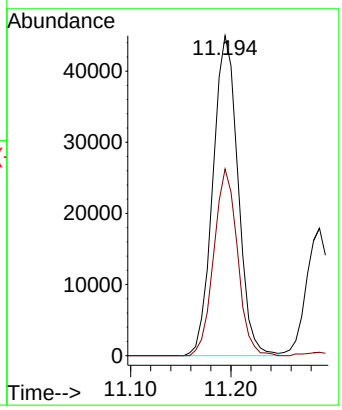


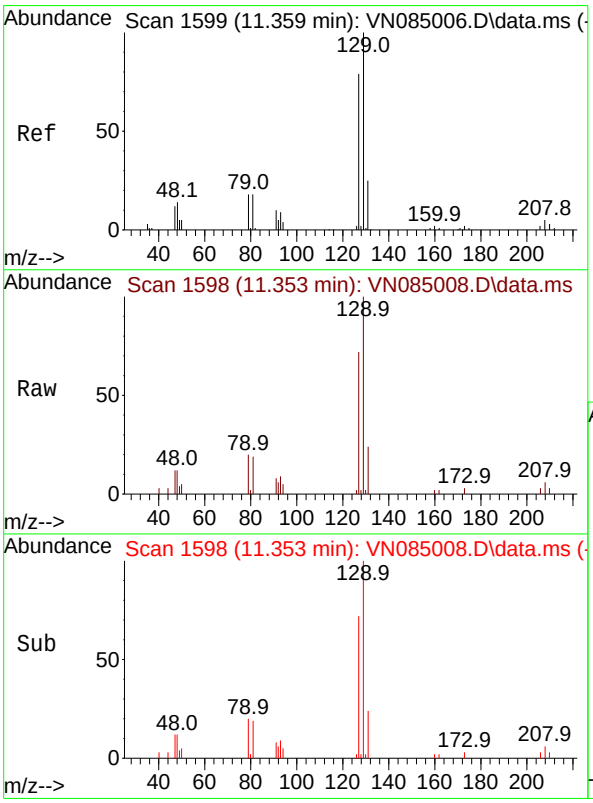
#59
2-Hexanone
Concen: 47.542 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 77951

Ion	Ratio	Lower	Upper
43	100		
58	55.0	28.3	85.0

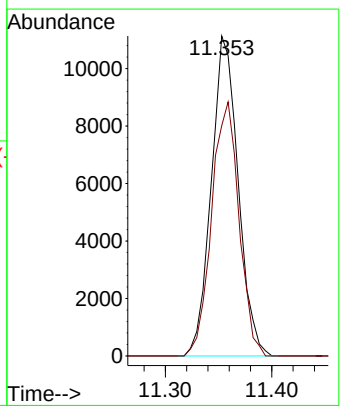


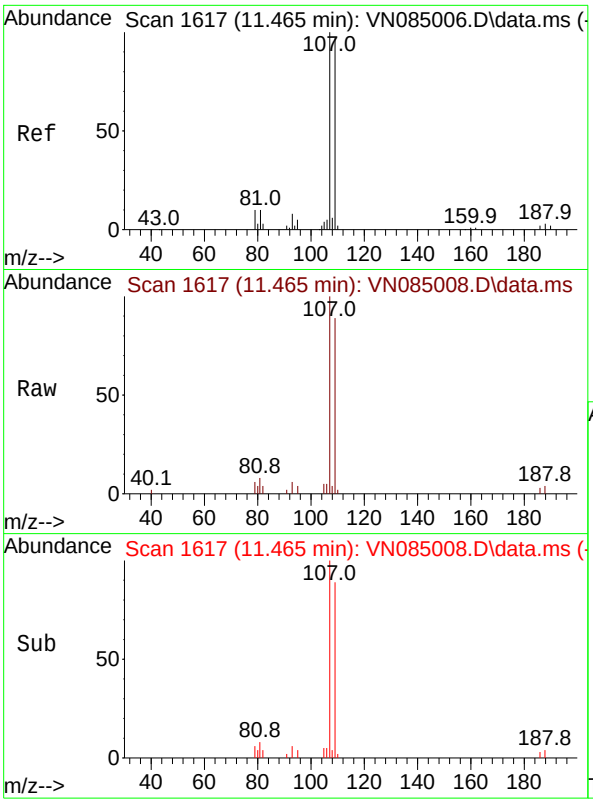


#60
Dibromochloromethane
Concen: 8.991 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:129 Resp: 19478

Ion	Ratio	Lower	Upper
129	100		
127	80.8	39.2	117.6



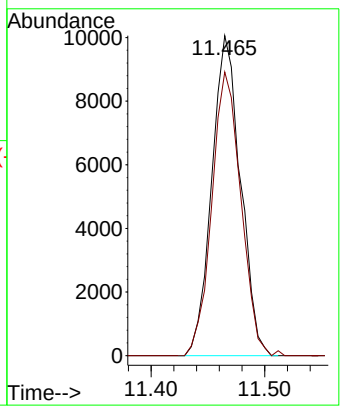


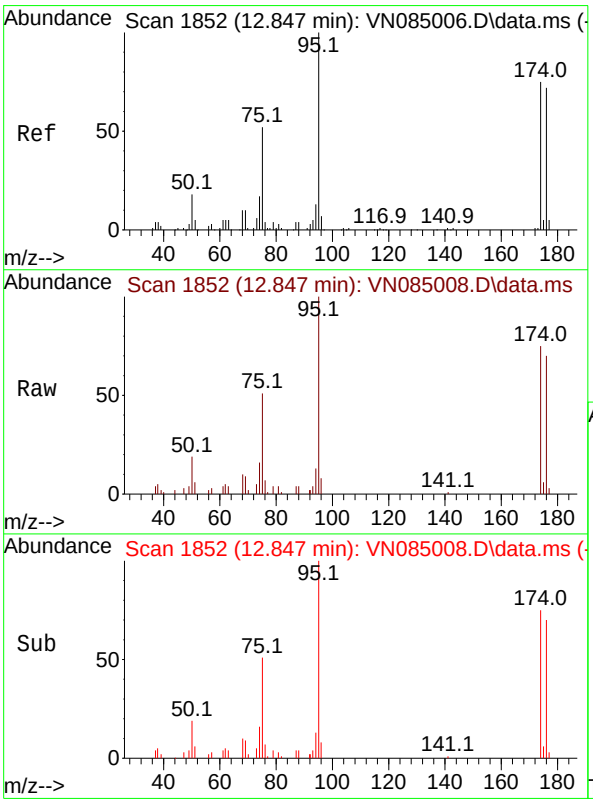
#61
1,2-Dibromoethane
Concen: 9.633 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:107 Resp: 17673

Ion	Ratio	Lower	Upper
107	100		
109	89.8	76.1	114.1

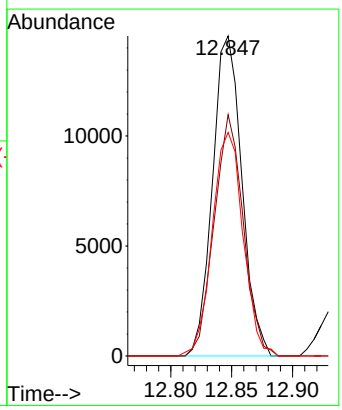


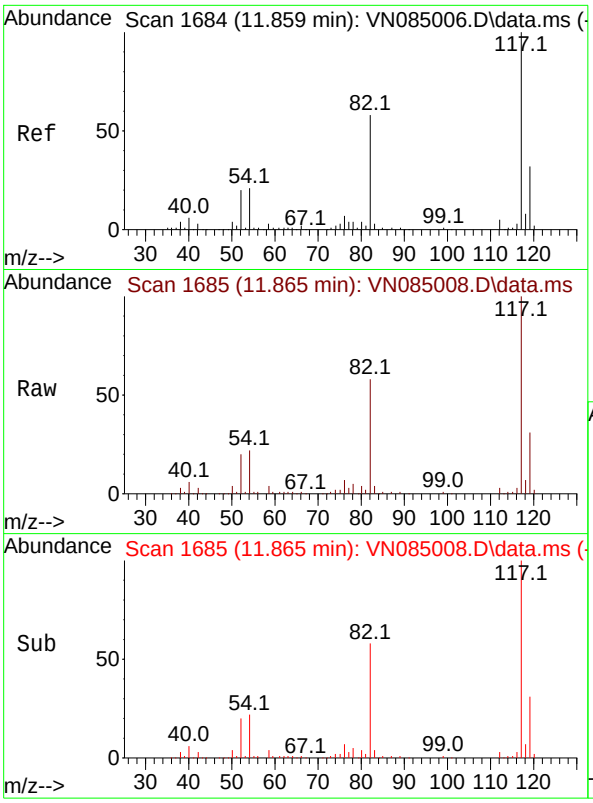


#62
4-Bromofluorobenzene
Concen: 9.691 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 95 Resp: 24371

Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	146.6
176	73.3	0.0	141.8



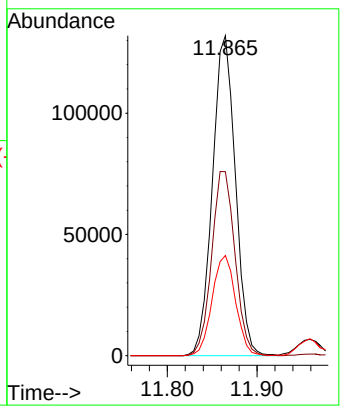


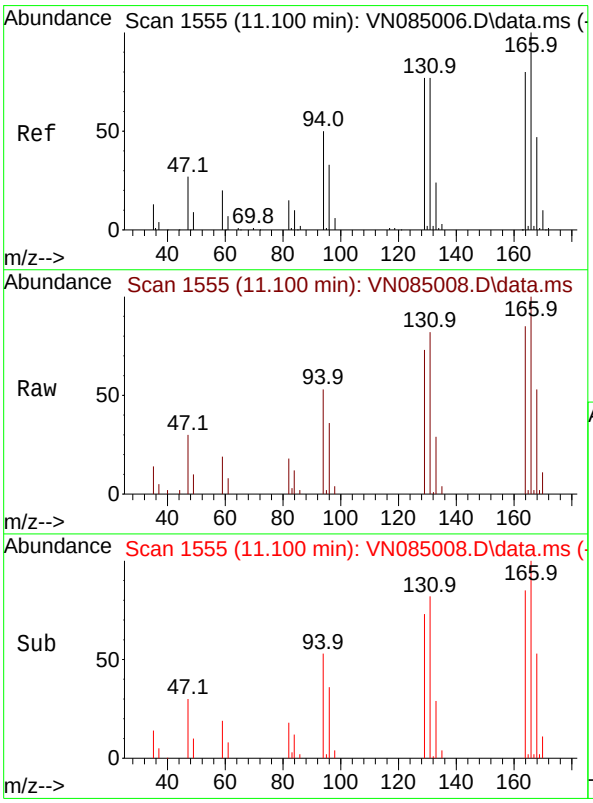
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:117 Resp: 234609

Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.0	69.0
119	31.3	25.6	38.4

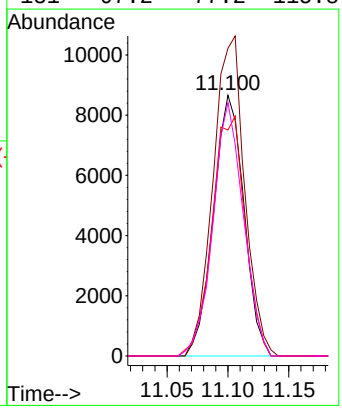


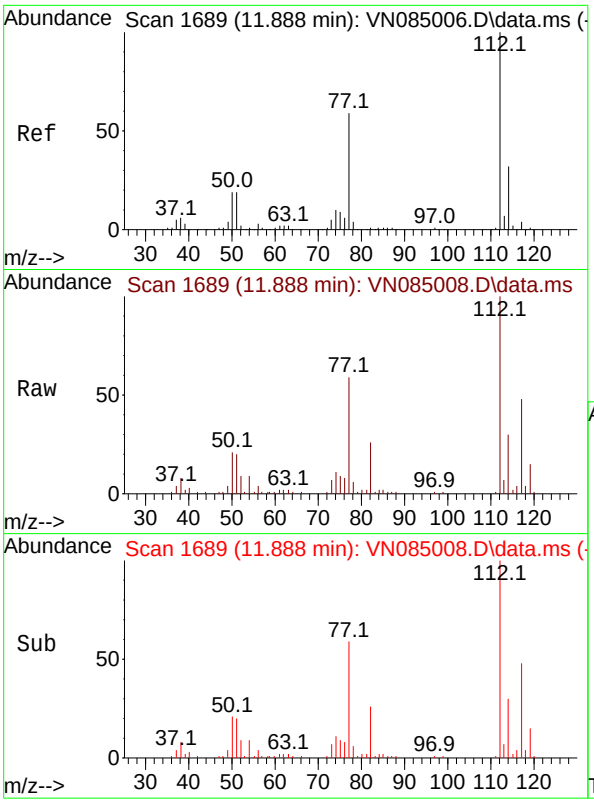


#64
Tetrachloroethene
Concen: 9.547 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:164 Resp: 15092

Ion	Ratio	Lower	Upper
164	100		
166	118.1	100.6	151.0
129	86.6	77.7	116.5
131	97.2	77.2	115.8



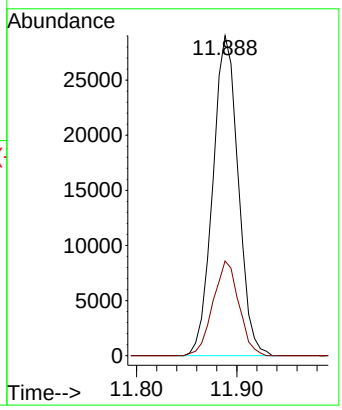


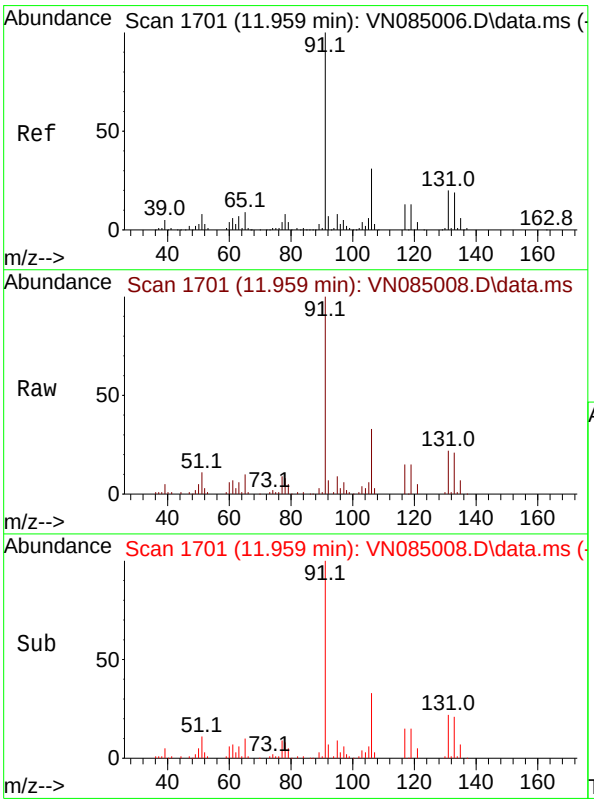
#65
Chlorobenzene
Concen: 9.605 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:112 Resp: 51106

Ion	Ratio	Lower	Upper
112	100		
114	29.6	25.8	38.6

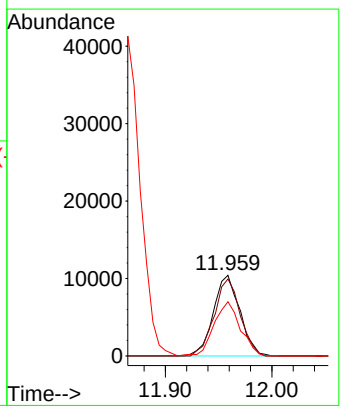


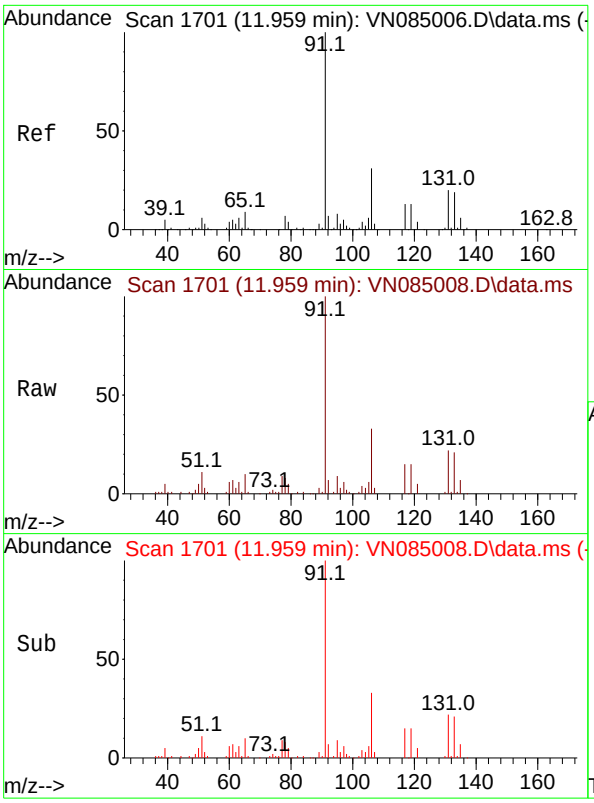


#66
1,1,1,2-Tetrachloroethane
Concen: 9.590 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:131 Resp: 17966

Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.8	143.4
119	66.8	32.1	96.3



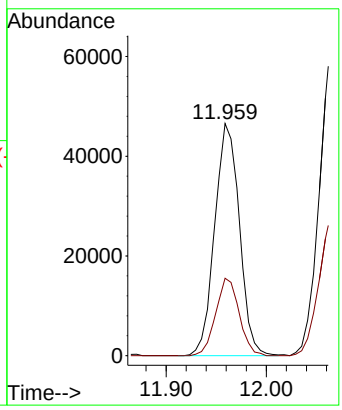


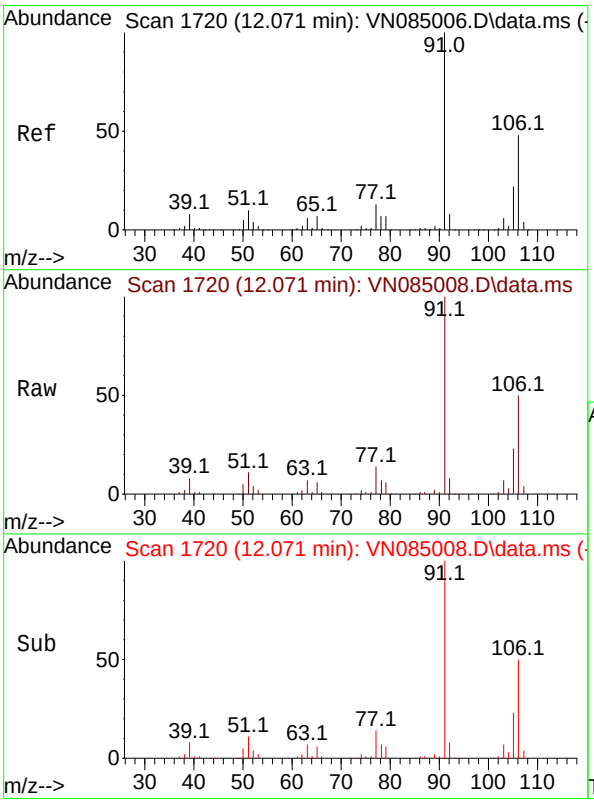
#67
Ethyl Benzene
Concen: 9.229 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 79668

Ion	Ratio	Lower	Upper
91	100		
106	33.4	24.7	37.1

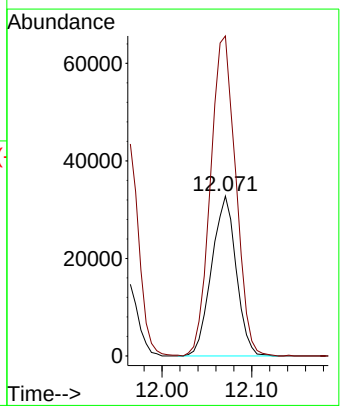


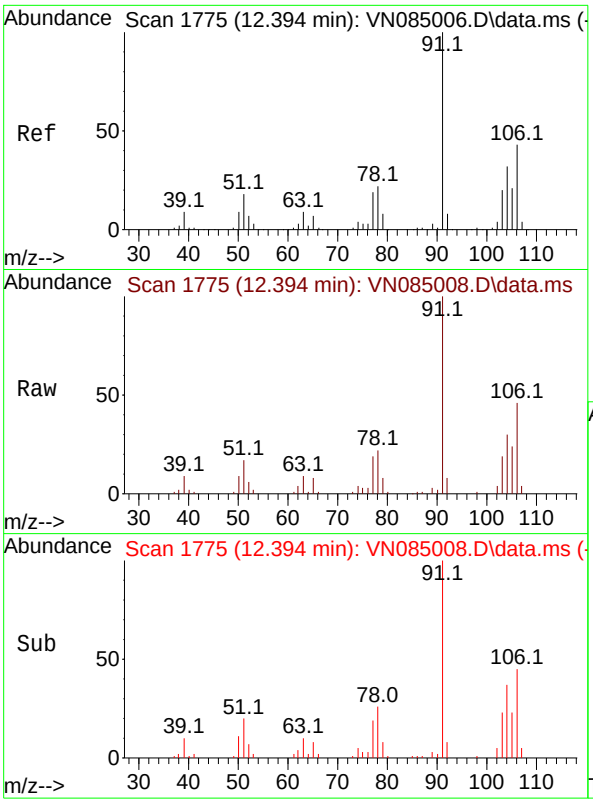


#68
m/p-Xylenes
Concen: 18.925 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:106 Resp: 62195

Ion	Ratio	Lower	Upper
106	100		
91	206.1	168.0	252.0



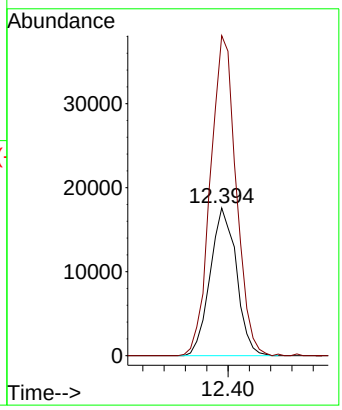


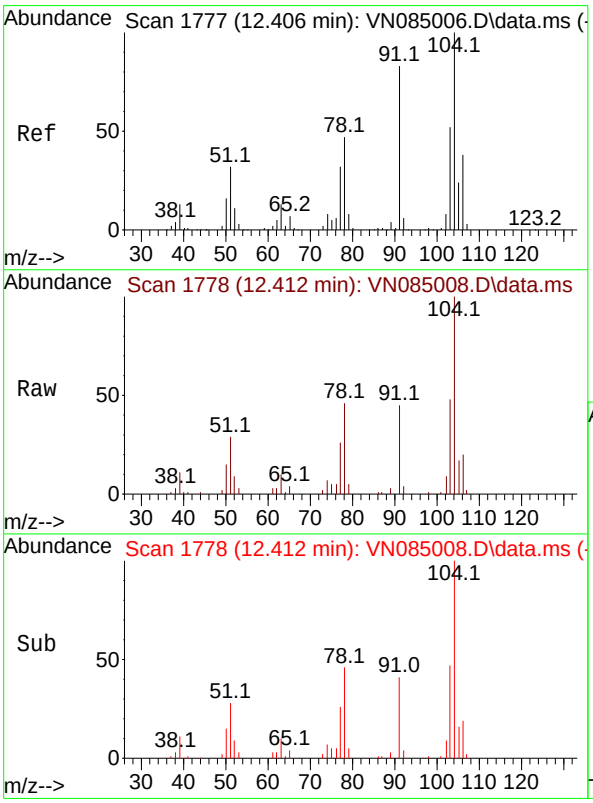
#69
o-Xylene
Concen: 9.618 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:106 Resp: 30067

Ion	Ratio	Lower	Upper
106	100		
91	212.5	110.7	331.9

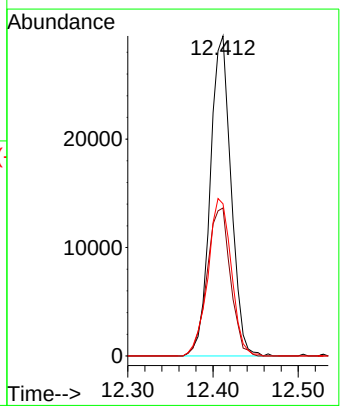


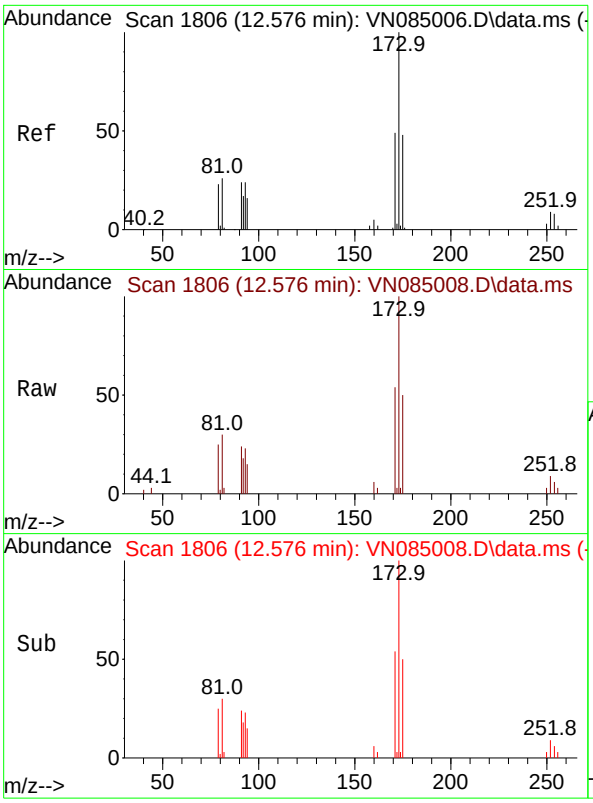


#70
Styrene
Concen: 9.647 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:104 Resp: 50150

Ion	Ratio	Lower	Upper
104	100		
78	51.8	42.3	63.5
103	55.3	44.2	66.2



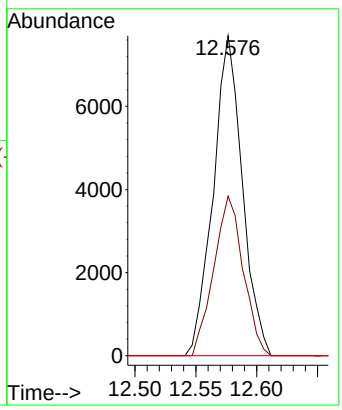


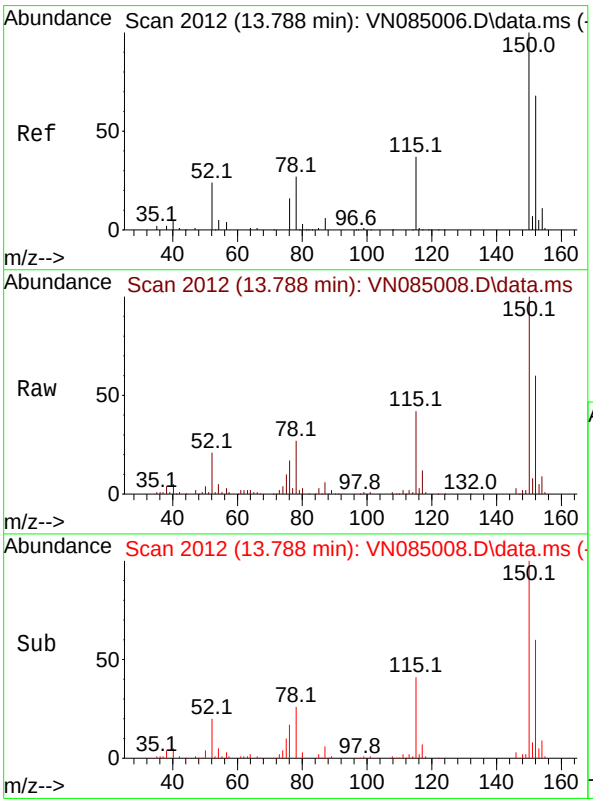
#71
Bromoform
Concen: 9.228 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:173 Resp: 12832

Ion	Ratio	Lower	Upper
173	100		
175	50.4	23.8	71.2
254	0.0	0.0	0.0

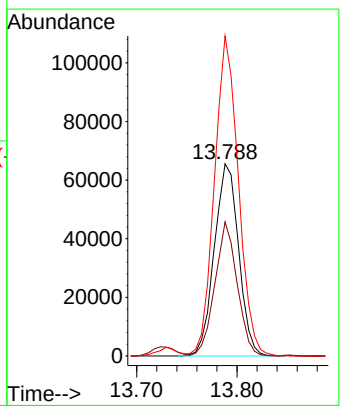


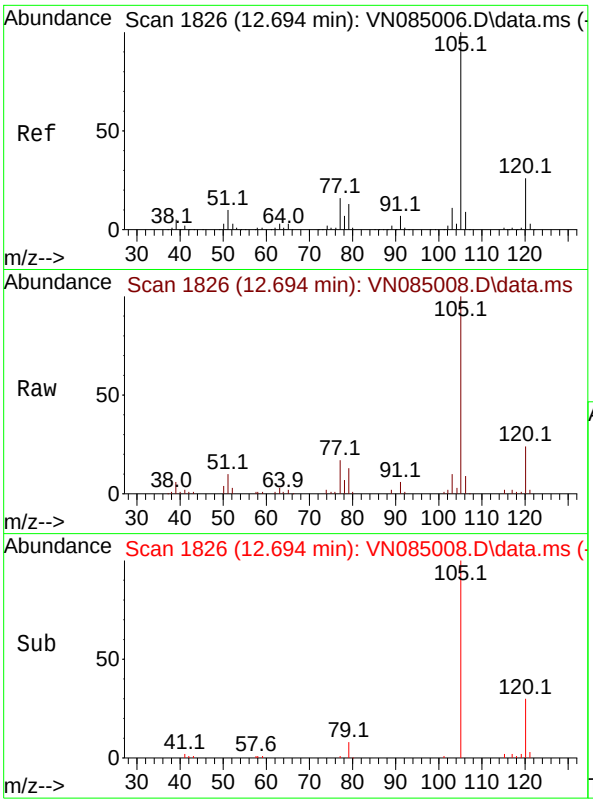


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:152 Resp: 110358

Ion	Ratio	Lower	Upper
152	100		
115	63.9	31.7	95.1
150	163.9	0.0	351.4



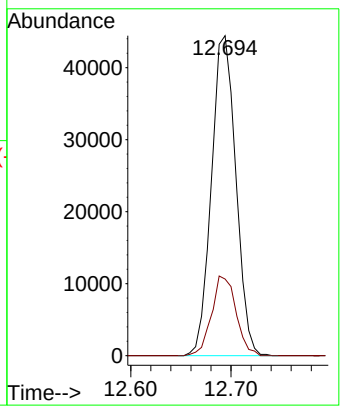


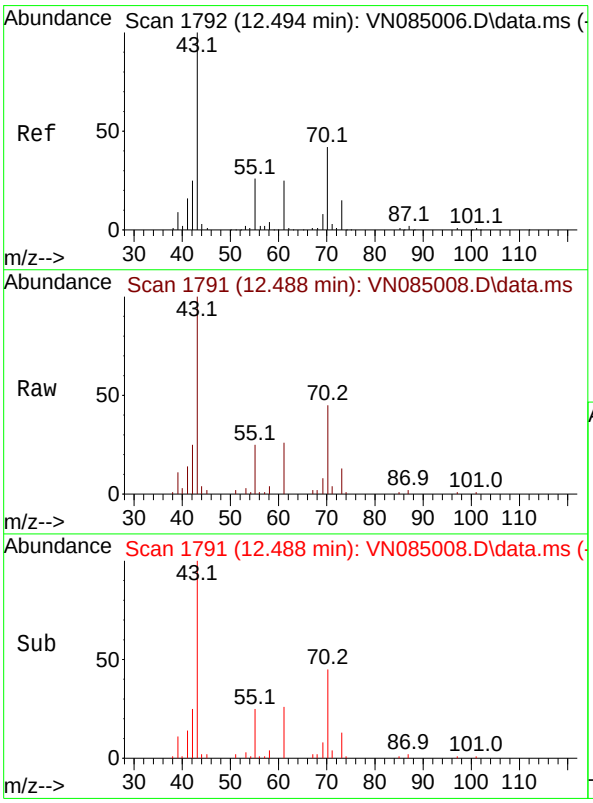
#73
Isopropylbenzene
Concen: 9.644 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 75080

Ion	Ratio	Lower	Upper
105	100		
120	24.9	13.0	39.0

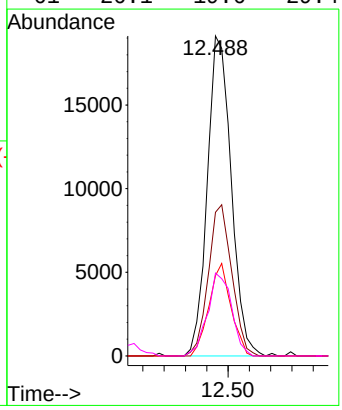


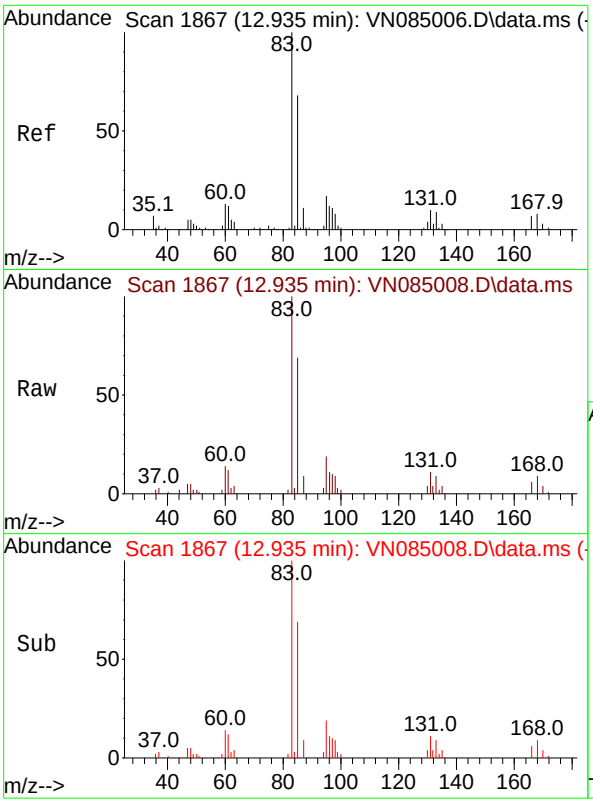


#74
N-amyl acetate
Concen: 9.292 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 43 Resp: 29811

Ion	Ratio	Lower	Upper
43	100		
70	46.4	34.6	51.8
55	26.6	20.5	30.7
61	26.1	19.6	29.4



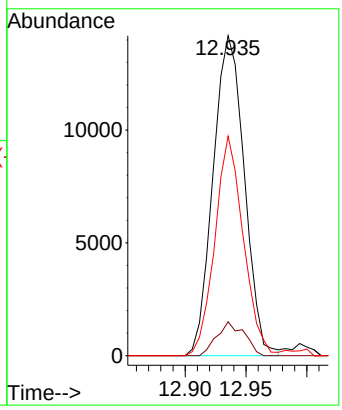


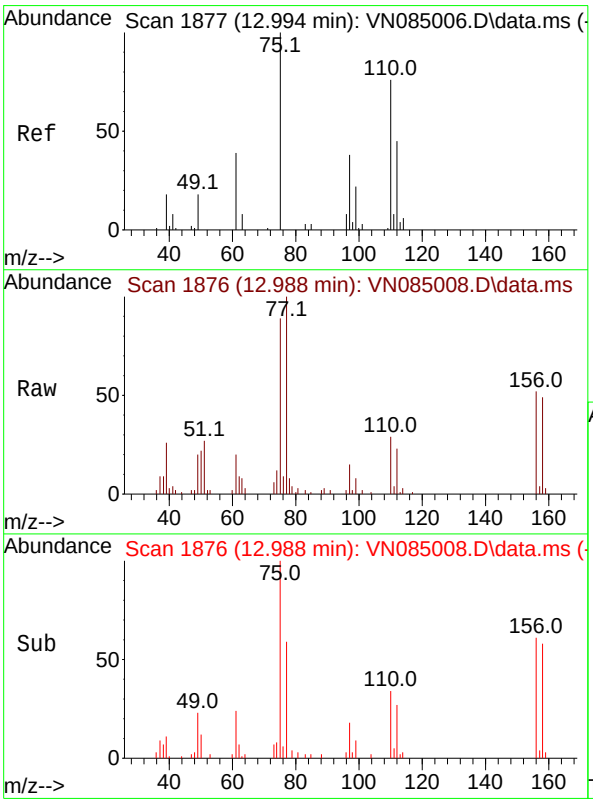
#75
1,1,2,2-Tetrachloroethane
Concen: 9.532 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 25341

Ion	Ratio	Lower	Upper
83	100		
131	9.2	5.1	15.4
85	62.6	32.1	96.3

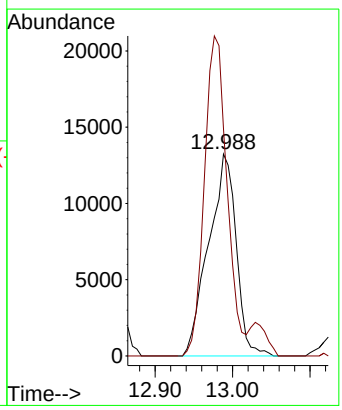


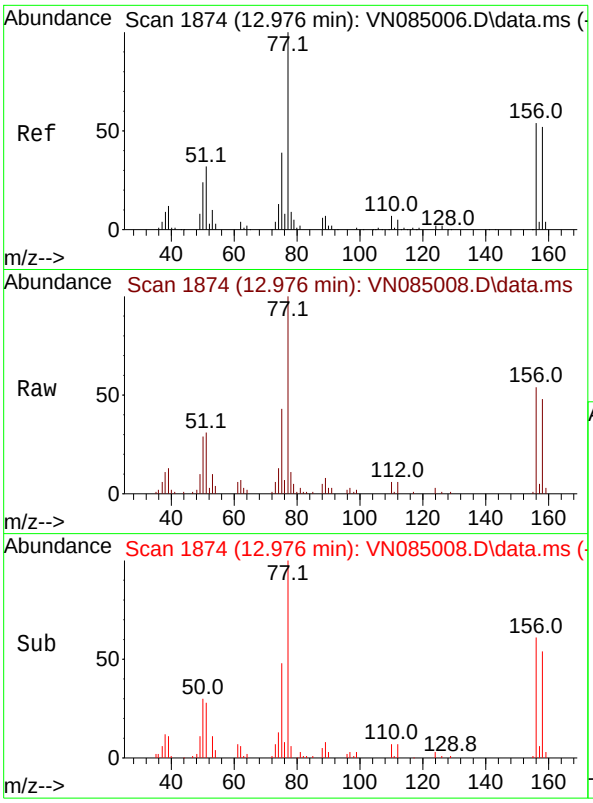


#76
1,2,3-Trichloropropane
Concen: 15.866 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 75 Resp: 32755

Ion	Ratio	Lower	Upper
75	100		
77	130.2	109.1	327.4



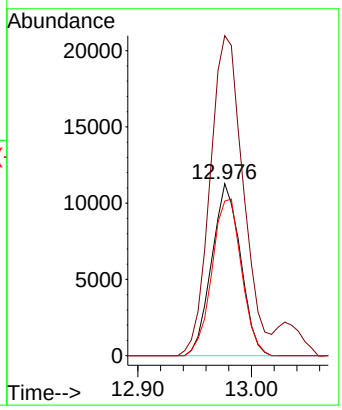


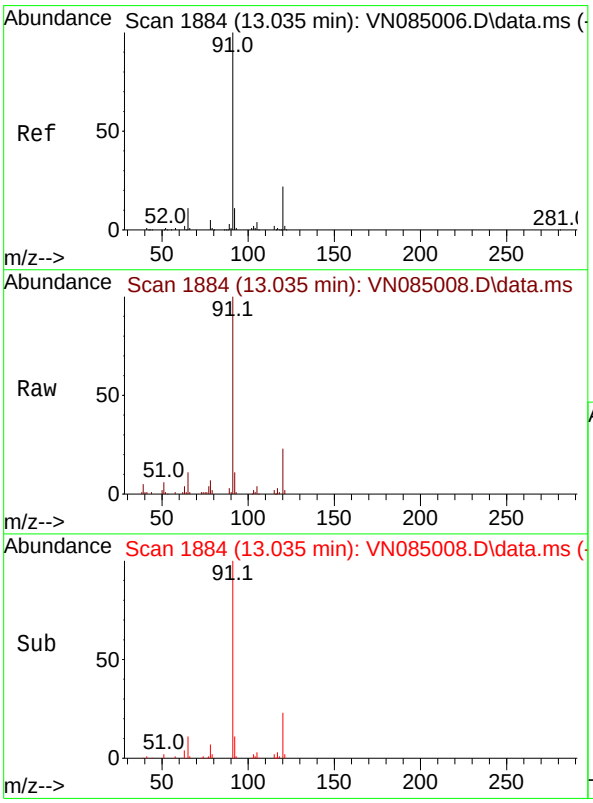
#77
Bromobenzene
Concen: 9.500 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:156 Resp: 19904

Ion	Ratio	Lower	Upper
156	100		
77	214.3	107.2	321.6
158	93.5	48.5	145.6

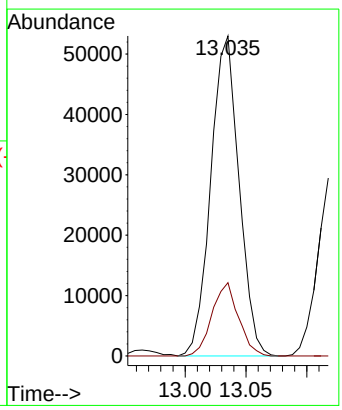


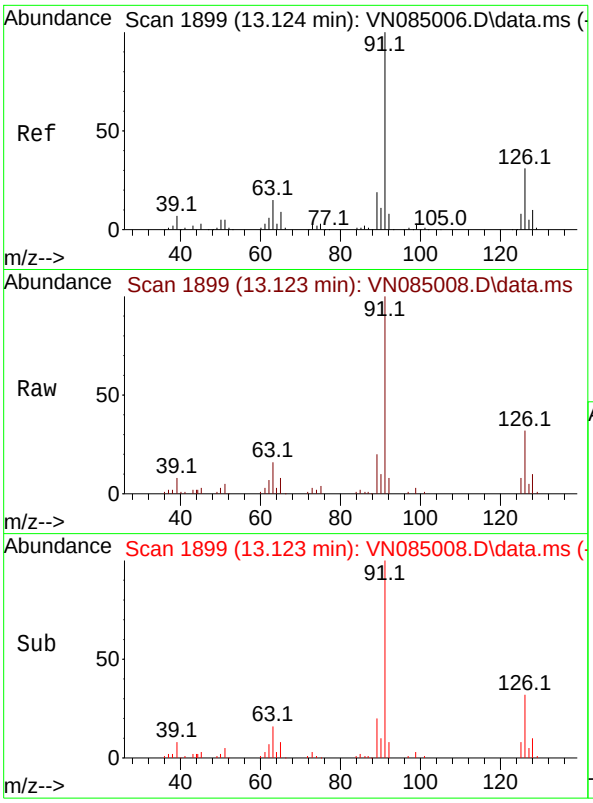


#78
n-propylbenzene
Concen: 9.537 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 91 Resp: 85642

Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.3	33.9



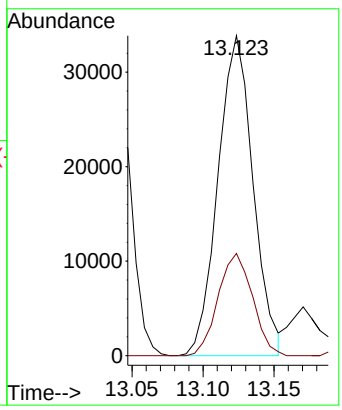


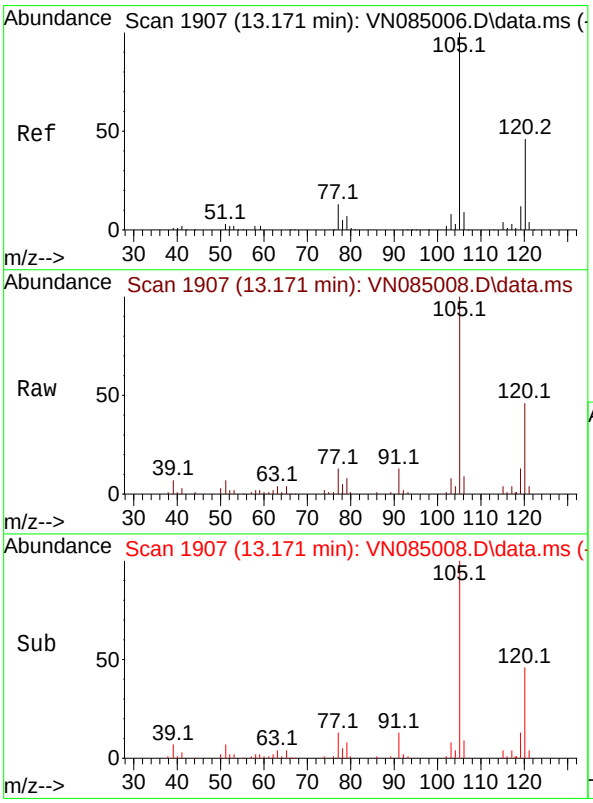
#79
2-Chlorotoluene
Concen: 9.715 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 58233

Ion	Ratio	Lower	Upper
91	100		
126	31.2	16.1	48.3

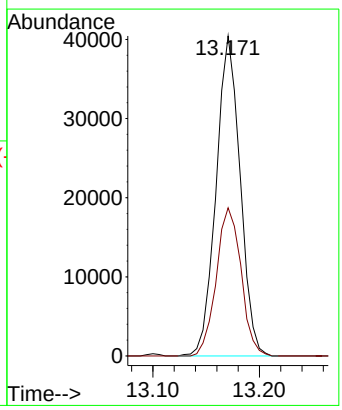


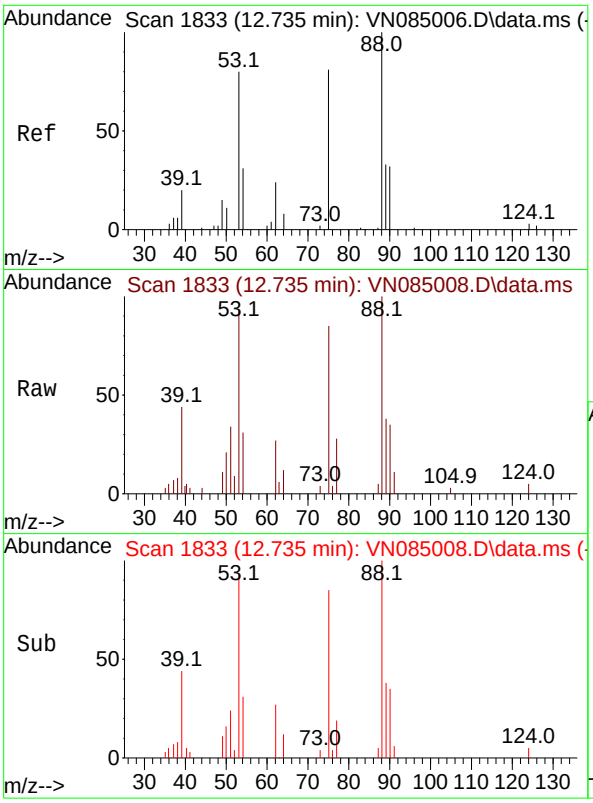


#80
1,3,5-Trimethylbenzene
Concen: 9.676 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:105 Resp: 63212

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.6	71.0



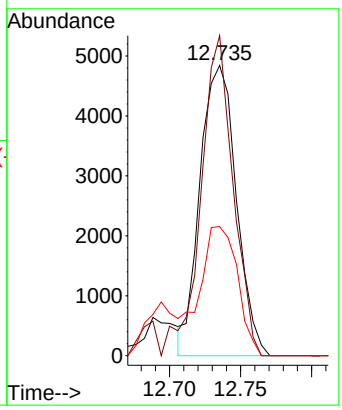


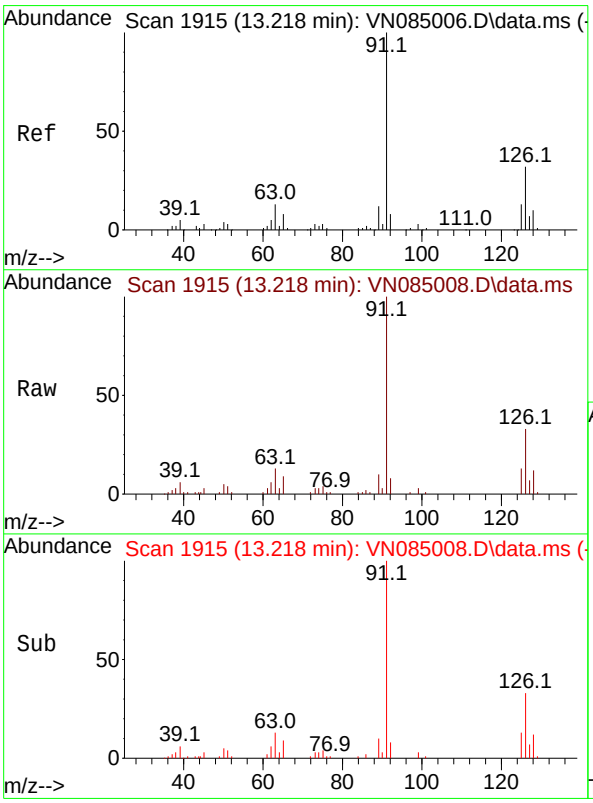
#81
trans-1,4-Dichloro-2-butene
Concen: 9.738 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 8603

Ion	Ratio	Lower	Upper
75	100		
53	97.9	78.2	117.4
89	46.5	37.9	56.9

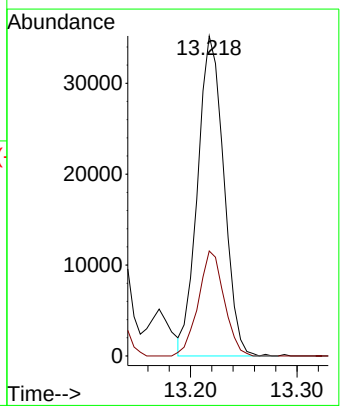


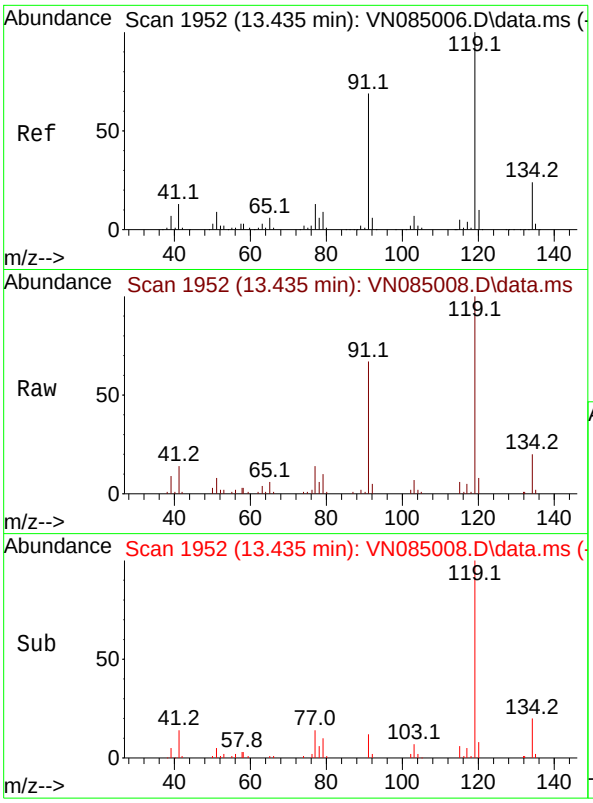


#82
4-Chlorotoluene
Concen: 9.640 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 91 Resp: 60156

Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.1	48.3



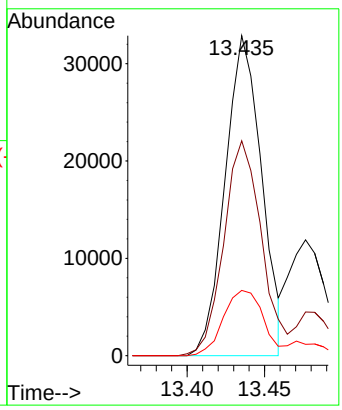


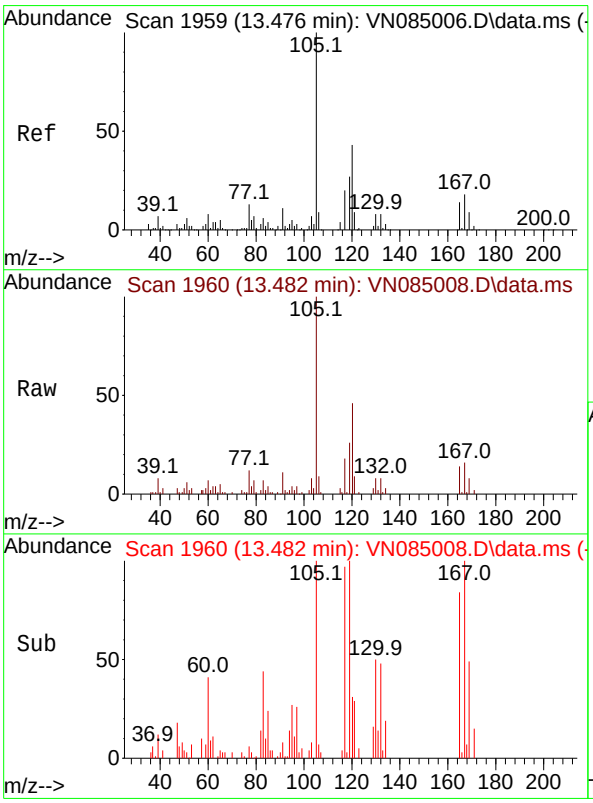
#83
tert-Butylbenzene
Concen: 9.566 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:119 Resp: 53773

Ion	Ratio	Lower	Upper
119	100		
91	69.7	35.1	105.5
134	22.7	12.1	36.3

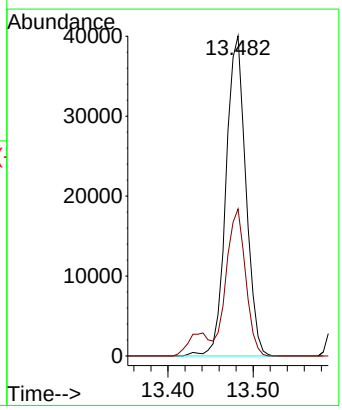


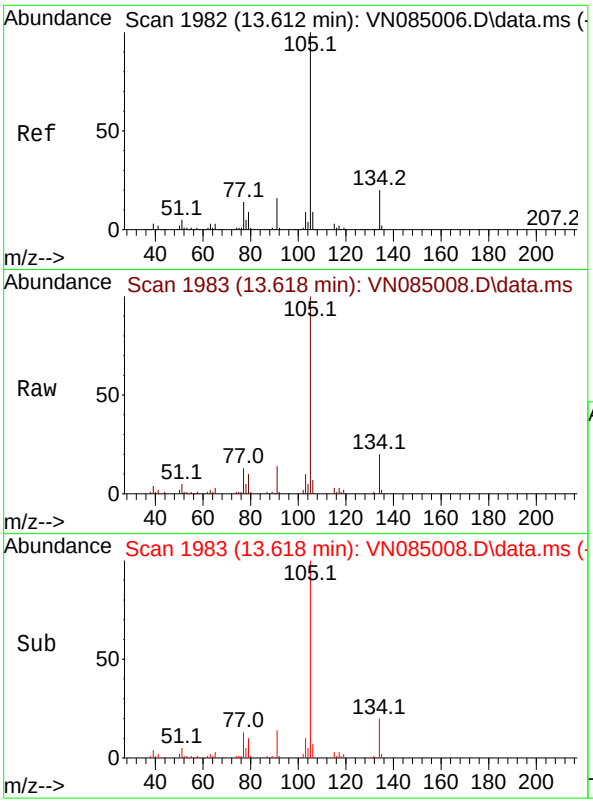


#84
1,2,4-Trimethylbenzene
Concen: 9.607 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:105 Resp: 64606

Ion	Ratio	Lower	Upper
105	100		
120	44.5	21.8	65.4



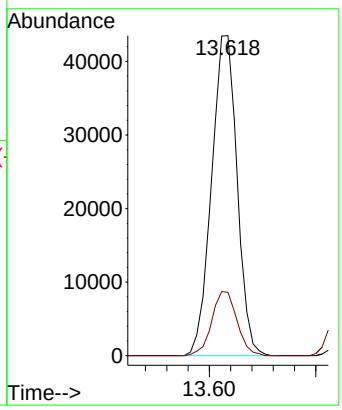


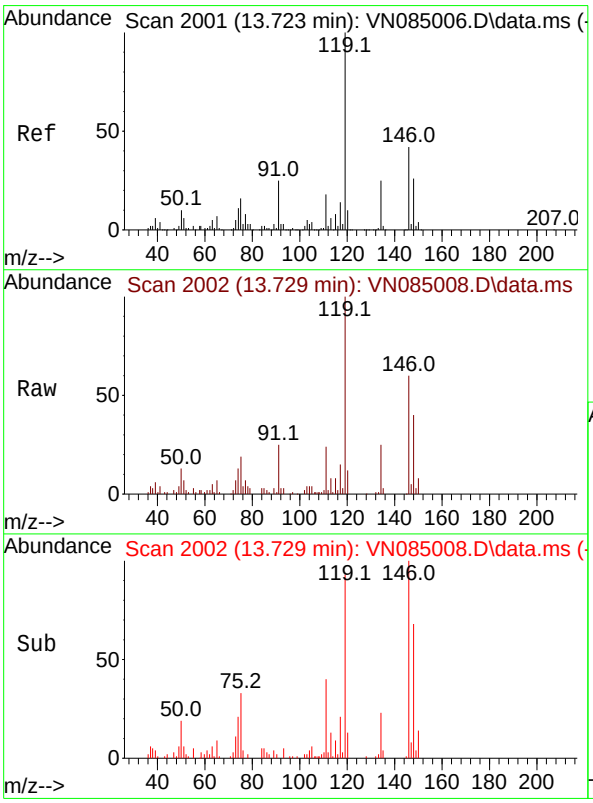
#85
sec-Butylbenzene
Concen: 9.535 ug/l
RT: 13.618 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 72405

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.3

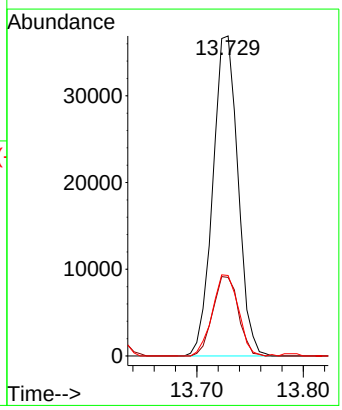


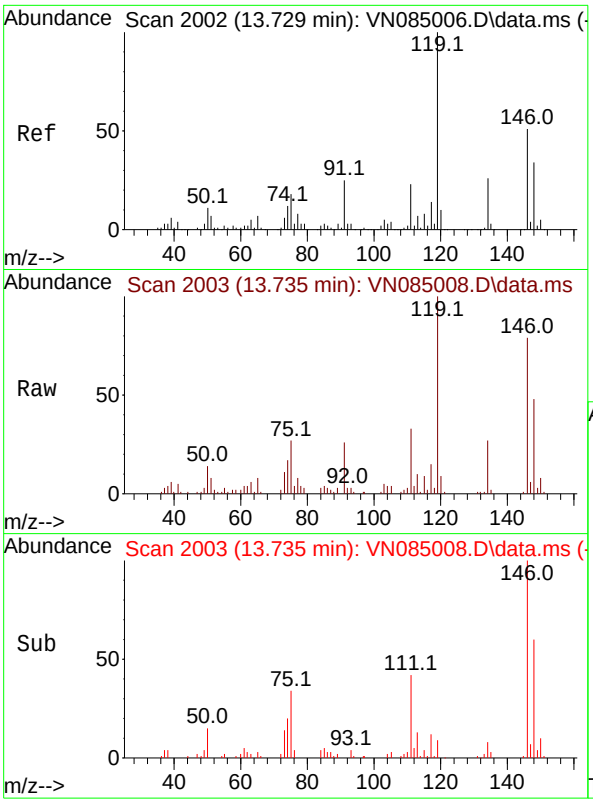


#86
p-Isopropyltoluene
Concen: 9.647 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:119 Resp: 60467

Ion	Ratio	Lower	Upper
119	100		
134	25.2	13.0	39.0
91	26.2	12.8	38.4



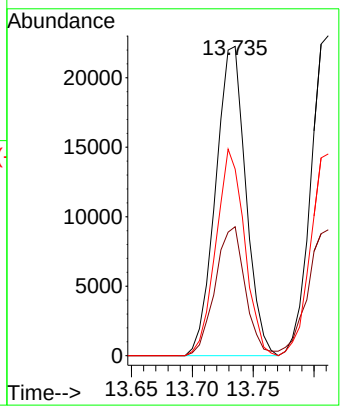


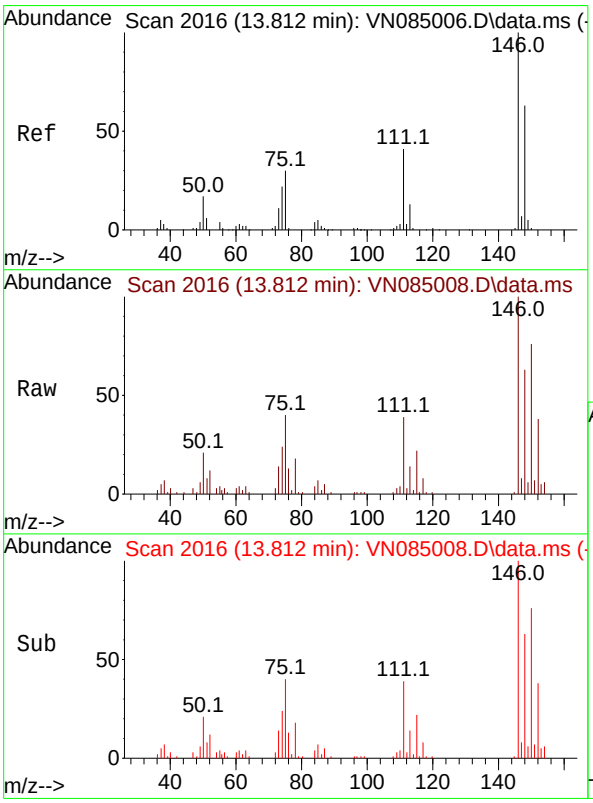
#87
1,3-Dichlorobenzene
Concen: 9.317 ug/l
RT: 13.735 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 38501

Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.6	65.0
148	63.3	32.2	96.6

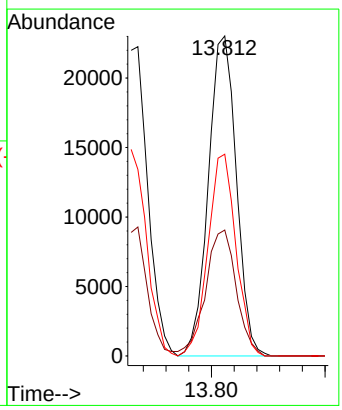


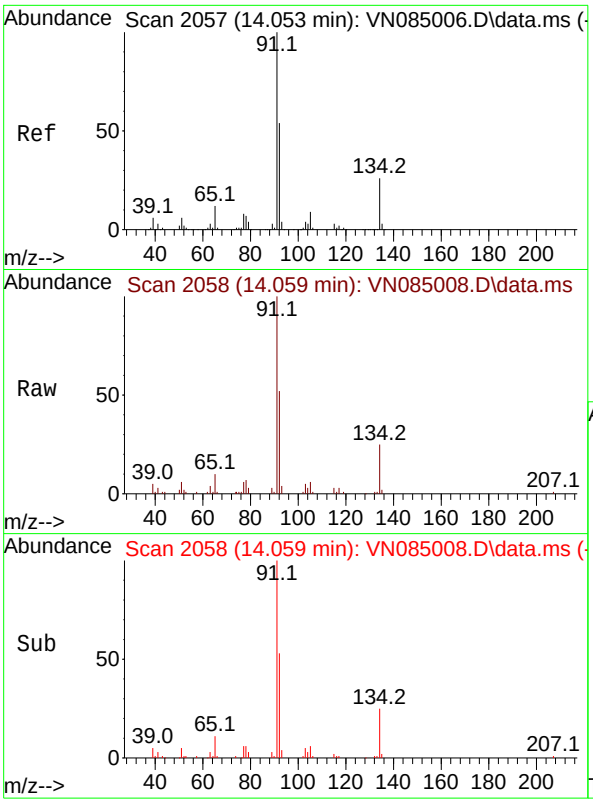


#88
1,4-Dichlorobenzene
Concen: 9.360 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:146 Resp: 39471

Ion	Ratio	Lower	Upper
146	100		
111	43.5	20.9	62.8
148	62.7	31.3	93.9



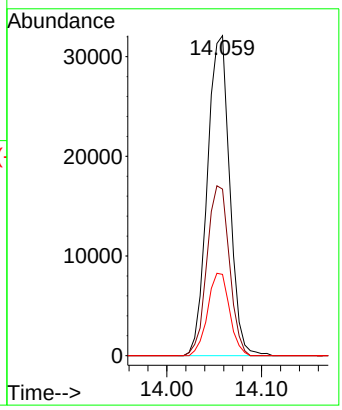


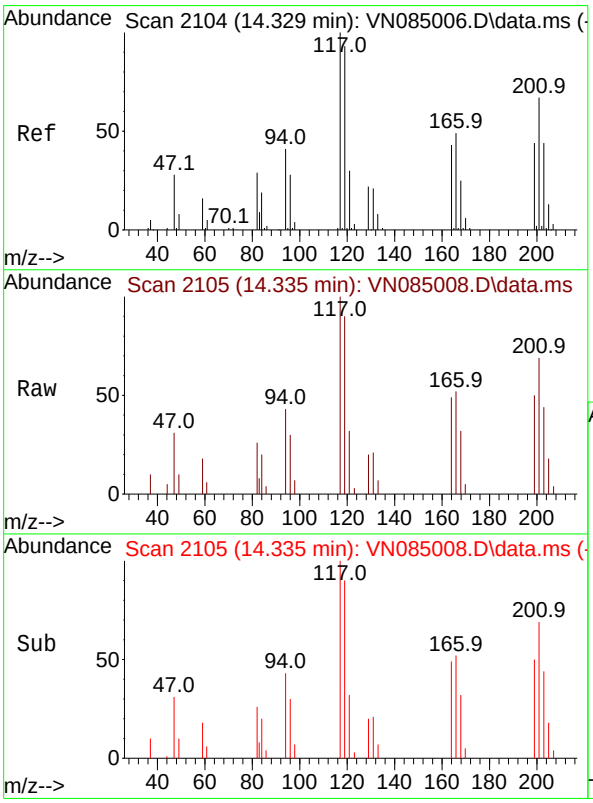
#89
n-Butylbenzene
Concen: 8.994 ug/l
RT: 14.059 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 52430

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.8	80.3
134	25.3	12.8	38.4

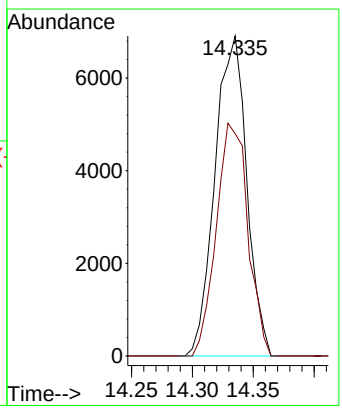


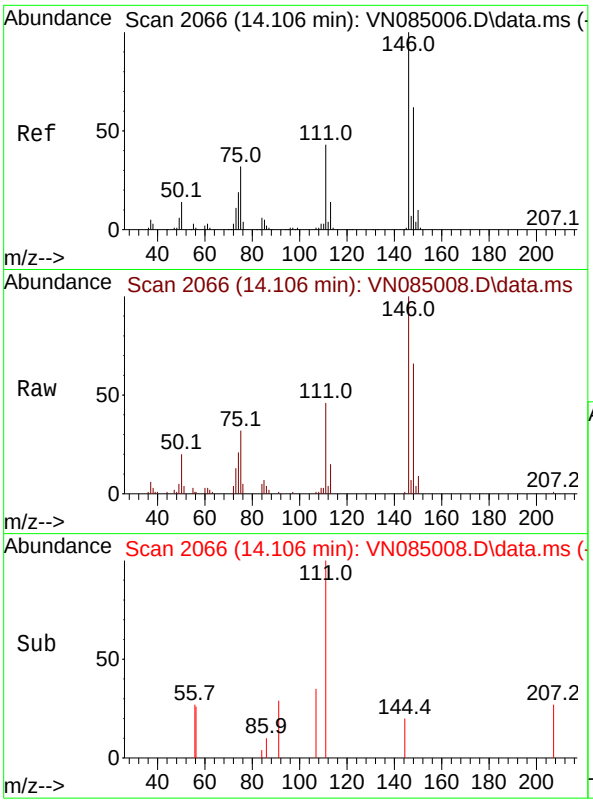


#90
Hexachloroethane
Concen: 9.179 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:117 Resp: 12541

Ion	Ratio	Lower	Upper
117	100		
201	72.3	35.2	105.6



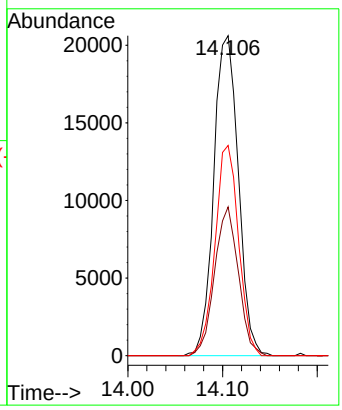


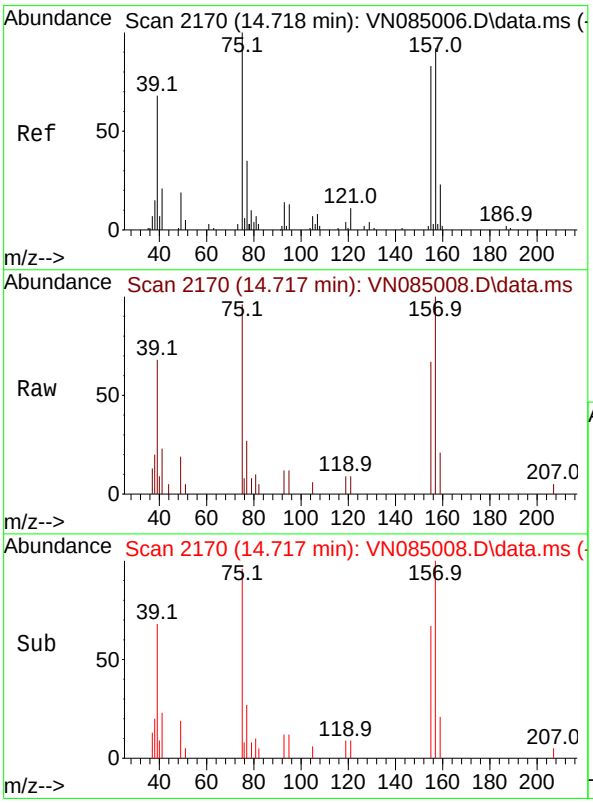
#91
1,2-Dichlorobenzene
Concen: 9.390 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 37183

Ion	Ratio	Lower	Upper
146	100		
111	45.1	21.9	65.8
148	63.1	31.1	93.2

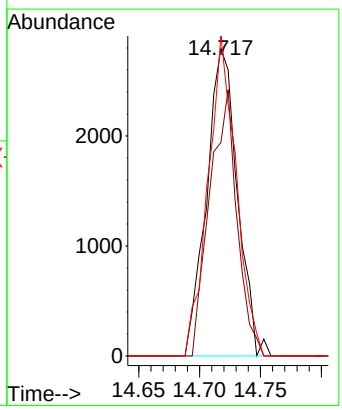


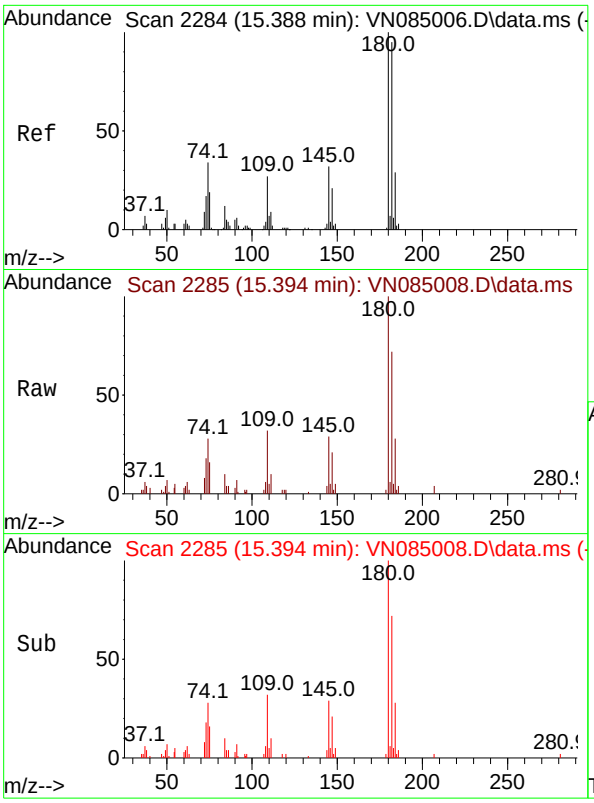


#92
1,2-Dibromo-3-Chloropropane
Concen: 9.565 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 75 Resp: 4917

Ion	Ratio	Lower	Upper
75	100		
155	76.6	38.9	116.7
157	95.3	48.3	144.9



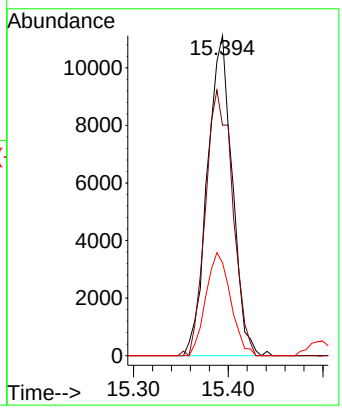


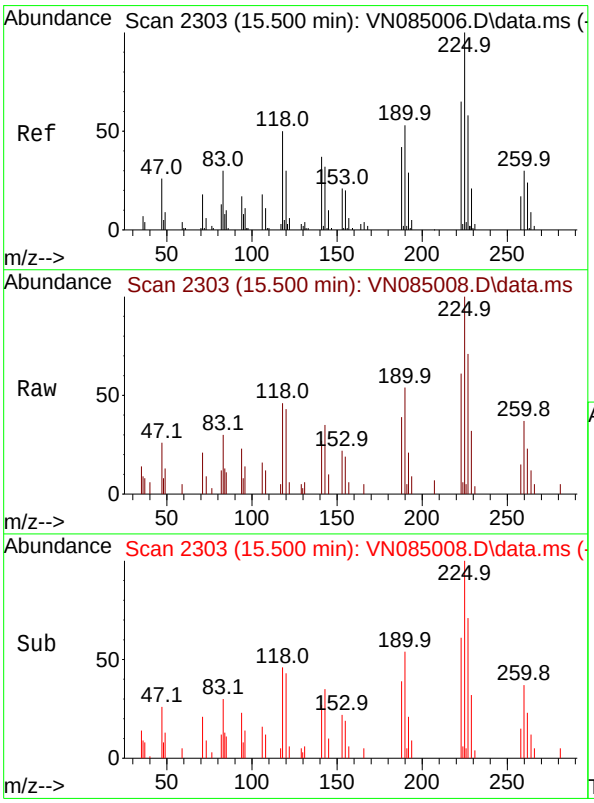
#93
1,2,4-Trichlorobenzene
Concen: 9.429 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:180 Resp: 20285

Ion	Ratio	Lower	Upper
180	100		
182	90.0	46.9	140.8
145	32.0	16.3	48.8

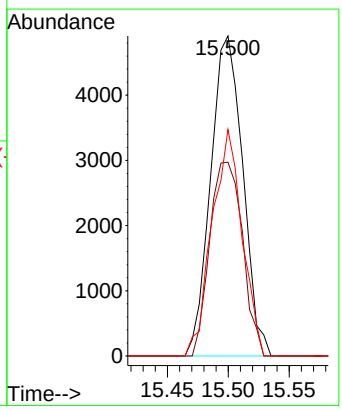


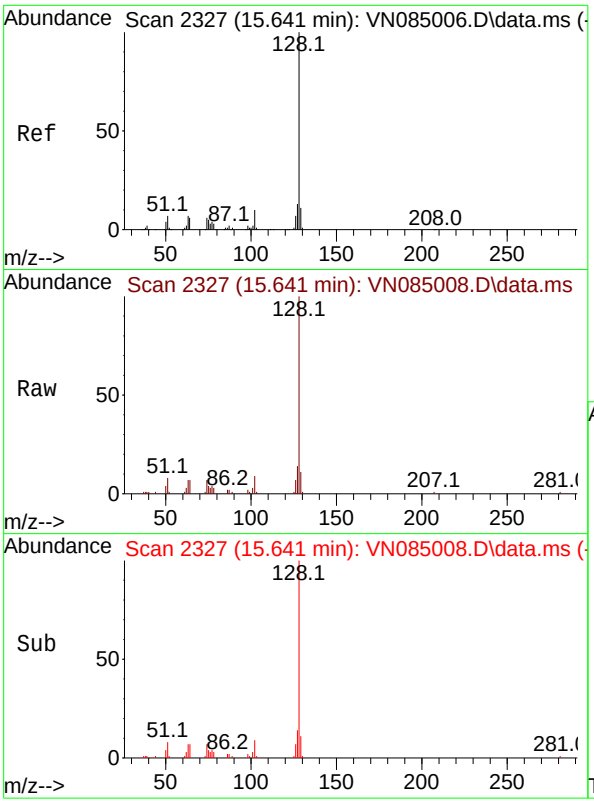


#94
Hexachlorobutadiene
Concen: 9.080 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:225 Resp: 9015

Ion	Ratio	Lower	Upper
225	100		
223	61.7	30.9	92.8
227	66.2	31.5	94.5



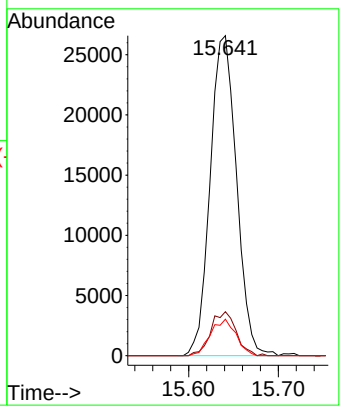


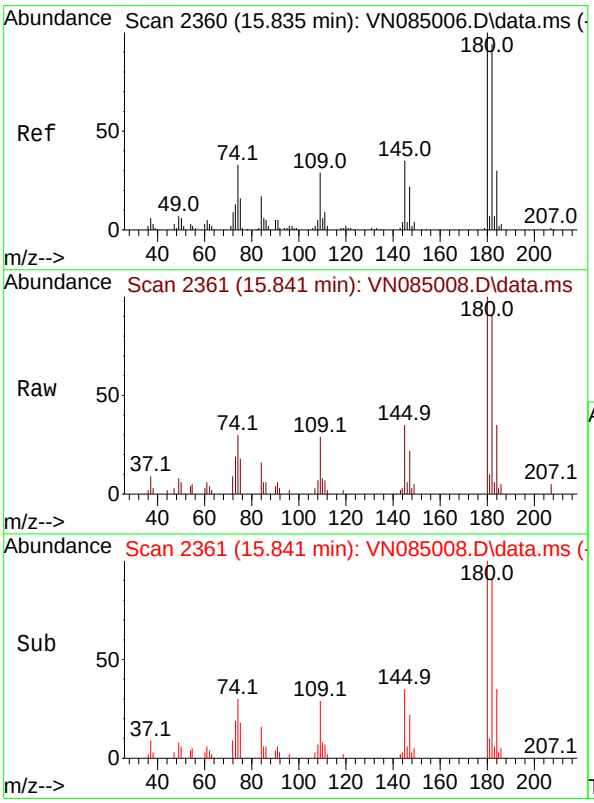
#95
Naphthalene
Concen: 8.844 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:128 Resp: 54191

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	11.0	8.6	12.8

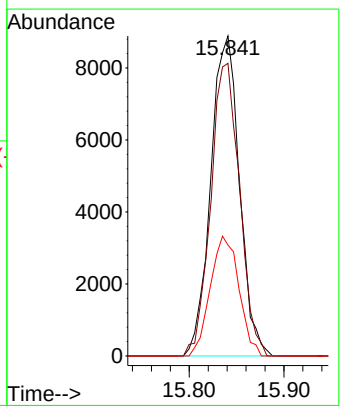




#96
1,2,3-Trichlorobenzene
Concen: 9.132 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:180 Resp: 18745

Ion	Ratio	Lower	Upper
180	100		
182	91.9	46.4	139.2
145	37.3	17.3	52.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085009.D
Acq On : 22 Nov 2024 12:57
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Nov 23 02:01:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.218	168	165285	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.094	114	280025	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.864	117	235767	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	108389	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.571	65	11977	5.087	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.180%#			
35) Dibromofluoromethane	8.159	113	9597	5.082	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.160%#			
50) Toluene-d8	10.559	98	32318	4.775	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.560%#			
62) 4-Bromofluorobenzene	12.847	95	12715	5.024	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	10.040%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	9758	5.221	ug/l		91
3) Chloromethane	2.359	50	10967	5.059	ug/l		97
4) Vinyl Chloride	2.512	62	10043	5.155	ug/l		92
5) Bromomethane	2.900	94	6052	5.543	ug/l		98
6) Chloroethane	3.059	64	6721	5.119	ug/l		93
7) Trichlorofluoromethane	3.465	101	17204	5.192	ug/l		98
8) Diethyl Ether	3.947	74	5696	5.050	ug/l		95
9) 1,1,2-Trichlorotrifluo...	4.353	101	9518	5.064	ug/l		98
10) Methyl Iodide	4.577	142	12631	5.077	ug/l		96
11) Tert butyl alcohol	5.541	59	9684	30.780	ug/l	#	89
12) 1,1-Dichloroethene	4.318	96	8977	5.117	ug/l	#	92
13) Acrolein	4.177	56	4745	22.602	ug/l		95
14) Allyl chloride	5.006	41	14439	4.882	ug/l		97
15) Acrylonitrile	5.712	53	22627	25.403	ug/l		96
16) Acetone	4.430	43	16131	23.525	ug/l		93
17) Carbon Disulfide	4.694	76	26272	5.074	ug/l	#	87
18) Methyl Acetate	5.018	43	14139	5.429	ug/l		98
19) Methyl tert-butyl Ether	5.800	73	27679	4.829	ug/l		95
20) Methylene Chloride	5.271	84	10410	4.975	ug/l	#	88
21) trans-1,2-Dichloroethene	5.765	96	9388	5.085	ug/l		99
22) Diisopropyl ether	6.659	45	30018	5.043	ug/l		97
23) Vinyl Acetate	6.594	43	97507	23.745	ug/l		96
24) 1,1-Dichloroethane	6.559	63	18044	5.066	ug/l		97
25) 2-Butanone	7.482	43	27100	24.174	ug/l		98
26) 2,2-Dichloropropane	7.482	77	16525	4.968	ug/l		99
27) cis-1,2-Dichloroethene	7.482	96	11250	5.055	ug/l		96
28) Bromochloromethane	7.806	49	6592	4.903	ug/l	#	98
29) Tetrahydrofuran	7.841	42	17501	25.104	ug/l		99
30) Chloroform	7.959	83	18837	4.971	ug/l		91
31) Cyclohexane	8.247	56	18036	5.751	ug/l		97
32) 1,1,1-Trichloroethane	8.165	97	16611	4.851	ug/l		97
36) 1,1-Dichloropropene	8.371	75	13147	5.140	ug/l		98
37) Ethyl Acetate	7.553	43	11891	5.114	ug/l	#	79
38) Carbon Tetrachloride	8.359	117	14827	5.022	ug/l		96
39) Methylcyclohexane	9.594	83	13143	4.945	ug/l		95
40) Benzene	8.600	78	40657	5.026	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085009.D
Acq On : 22 Nov 2024 12:57
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Nov 23 02:01:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.782	41	5687	4.417 ug/l	93
42) 1,2-Dichloroethane	8.671	62	14824	5.356 ug/l	99
43) Isopropyl Acetate	8.688	43	23894	4.947 ug/l	95
44) Trichloroethene	9.347	130	9711	5.165 ug/l	100
45) 1,2-Dichloropropane	9.618	63	9859	4.948 ug/l	99
46) Dibromomethane	9.706	93	6962	5.028 ug/l	98
47) Bromodichloromethane	9.888	83	14562	4.962 ug/l #	96
48) Methyl methacrylate	9.676	41	8840	4.918 ug/l	94
49) 1,4-Dioxane	9.694	88	2953	94.738 ug/l #	83
51) 4-Methyl-2-Pentanone	10.441	43	55176	25.010 ug/l	100
52) Toluene	10.629	92	24051	5.022 ug/l	98
53) t-1,3-Dichloropropene	10.835	75	13412	4.559 ug/l	91
54) cis-1,3-Dichloropropene	10.312	75	14917	4.779 ug/l	95
55) 1,1,2-Trichloroethane	11.017	97	8791	4.928 ug/l	96
56) Ethyl methacrylate	10.876	69	12004	4.605 ug/l	93
57) 1,3-Dichloropropane	11.159	76	15736	5.012 ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	27177	21.254 ug/l	100
59) 2-Hexanone	11.194	43	41641	25.237 ug/l	95
60) Dibromochloromethane	11.359	129	10844	4.974 ug/l	98
61) 1,2-Dibromoethane	11.465	107	9468	5.128 ug/l	96
64) Tetrachloroethene	11.100	164	8826	5.556 ug/l	89
65) Chlorobenzene	11.888	112	26717	4.997 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	9904	5.261 ug/l	96
67) Ethyl Benzene	11.959	91	42642	4.916 ug/l	96
68) m/p-Xylenes	12.070	106	31421	9.514 ug/l	99
69) o-Xylene	12.400	106	14935	4.754 ug/l	98
70) Styrene	12.412	104	24480	4.686 ug/l	99
71) Bromoform	12.576	173	7040	5.038 ug/l #	100
73) Isopropylbenzene	12.694	105	37544	4.910 ug/l	97
74) N-amyl acetate	12.494	43	14995	4.759 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	13341	5.109 ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	16152	7.966 ug/l	56
77) Bromobenzene	12.976	156	10485	5.095 ug/l	94
78) n-propylbenzene	13.035	91	43493	4.931 ug/l	99
79) 2-Chlorotoluene	13.123	91	29037	4.932 ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	30809	4.802 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	4774	5.502 ug/l #	88
82) 4-Chlorotoluene	13.217	91	30558	4.986 ug/l	97
83) tert-Butylbenzene	13.435	119	26485	4.797 ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	31328	4.743 ug/l	98
85) sec-Butylbenzene	13.611	105	35183	4.718 ug/l	99
86) p-Isopropyltoluene	13.729	119	28019	4.551 ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	21043	5.185 ug/l	96
88) 1,4-Dichlorobenzene	13.806	146	22041	5.322 ug/l	93
89) n-Butylbenzene	14.053	91	27093	4.732 ug/l	99
90) Hexachloroethane	14.329	117	6869	5.119 ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	19670	5.058 ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.711	75	2703	5.353 ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	10547	4.992 ug/l	98
94) Hexachlorobutadiene	15.494	225	5141	5.272 ug/l	96
95) Naphthalene	15.641	128	29077	4.832 ug/l	97
96) 1,2,3-Trichlorobenzene	15.835	180	10042	4.981 ug/l	94

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085009.D
Acq On : 22 Nov 2024 12:57
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Nov 23 02:01:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

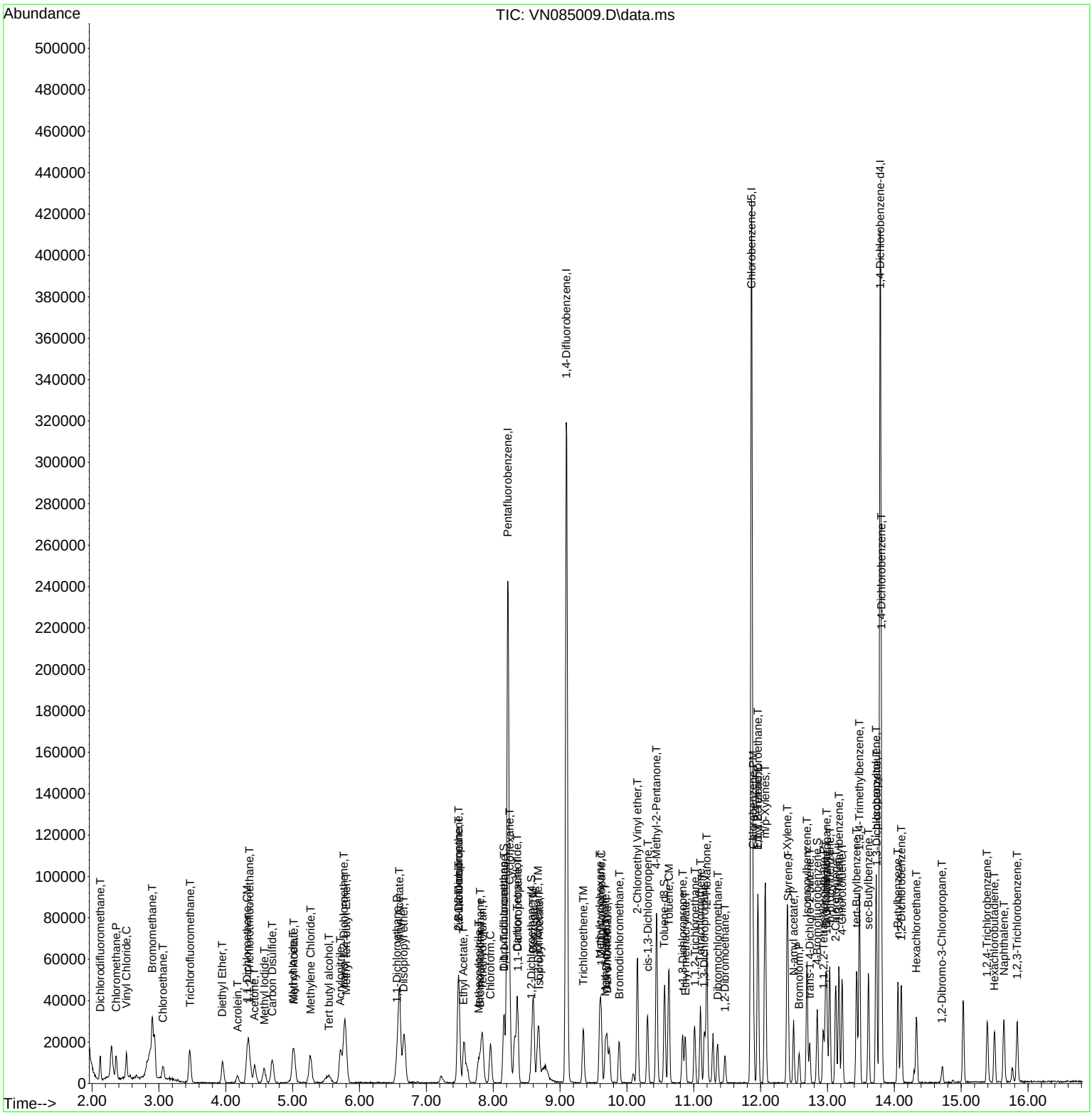
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

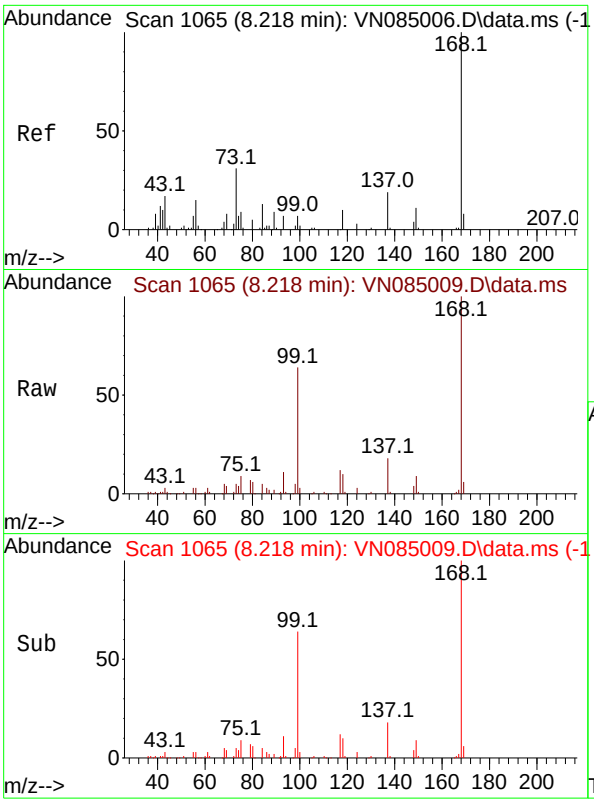
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085009.D
Acq On : 22 Nov 2024 12:57
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Nov 23 02:01:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration



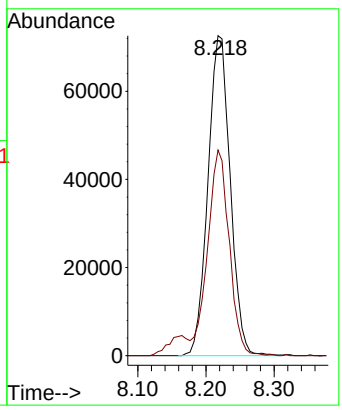


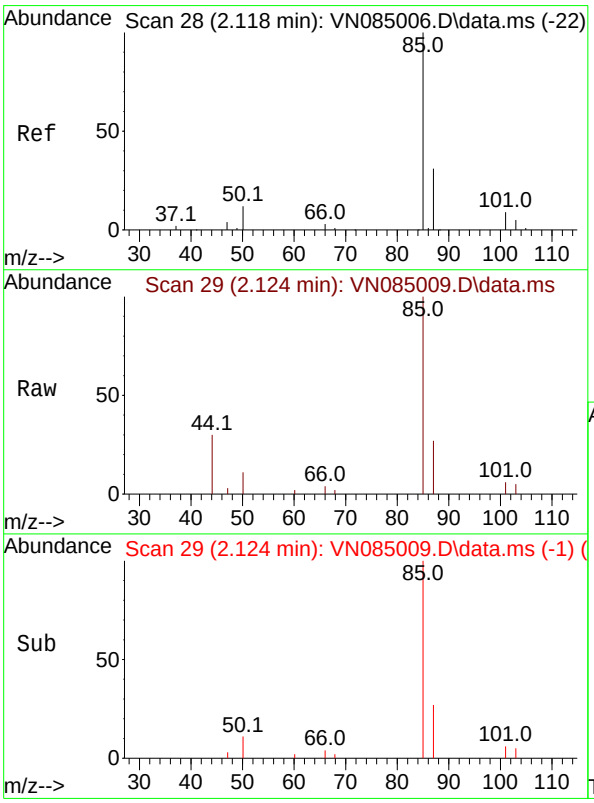
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 165285

Ion	Ratio	Lower	Upper
168	100		
99	64.2	51.2	76.8

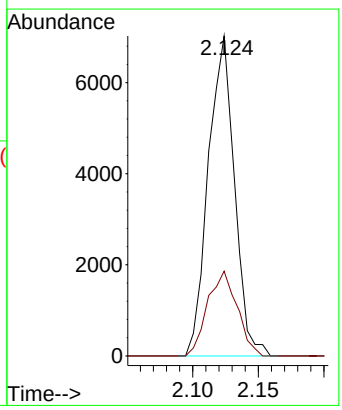


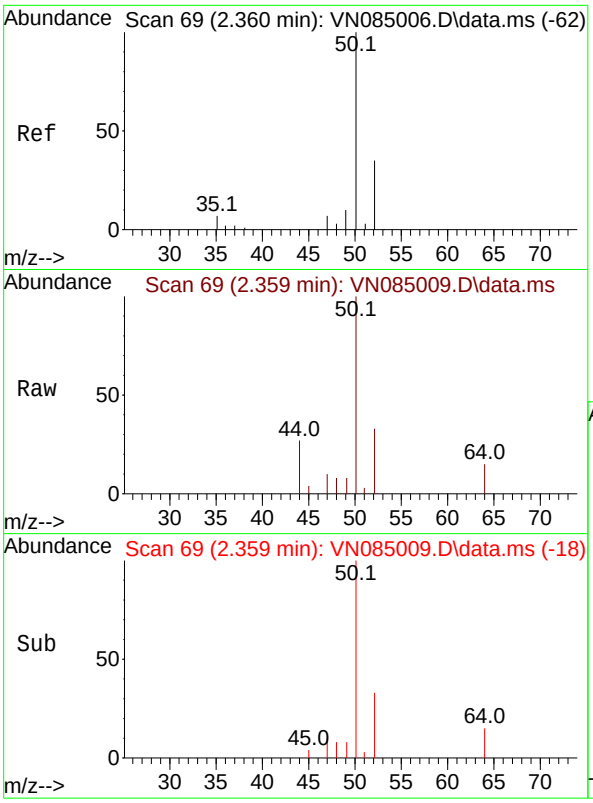


#2
Dichlorodifluoromethane
Concen: 5.221 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 85 Resp: 9758

Ion	Ratio	Lower	Upper
85	100		
87	26.5	15.7	47.1



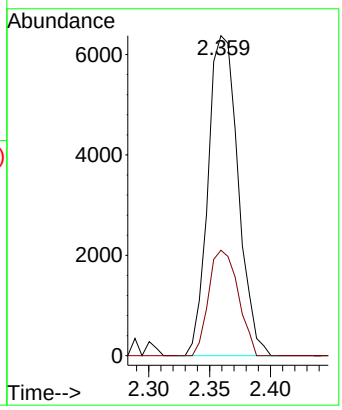


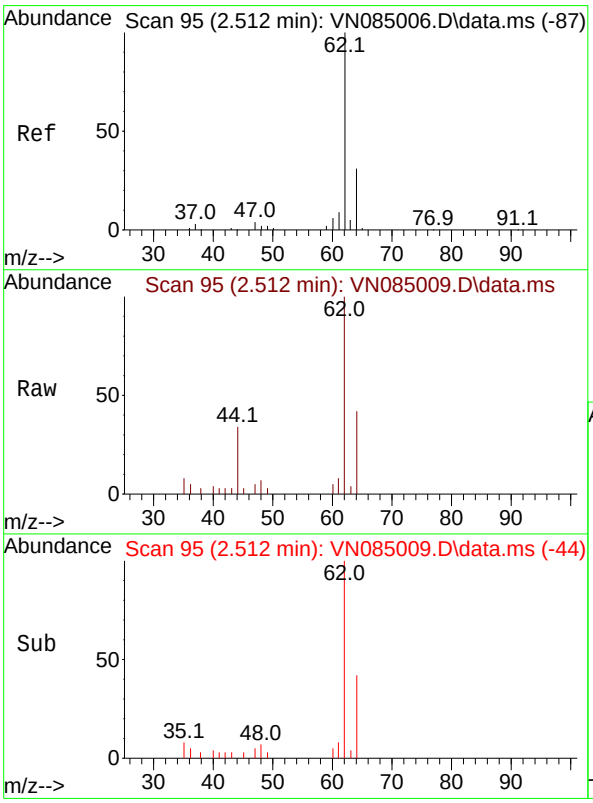
#3
Chloromethane
Concen: 5.059 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 10967

Ion	Ratio	Lower	Upper
50	100		
52	33.0	27.8	41.8

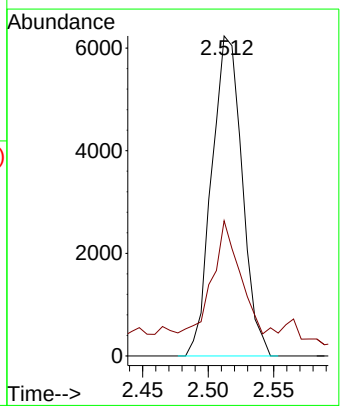


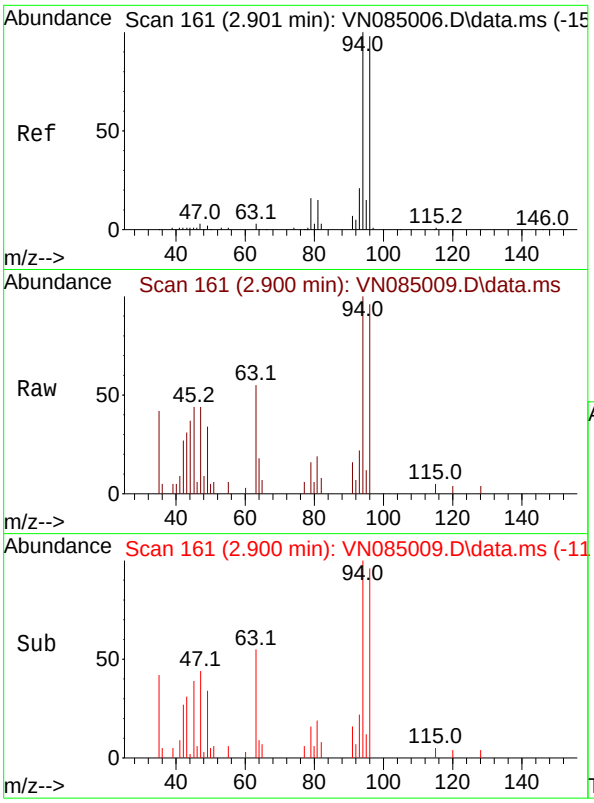


#4
Vinyl Chloride
Concen: 5.155 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 62 Resp: 10043

Ion	Ratio	Lower	Upper
62	100		
64	35.1	24.6	36.8



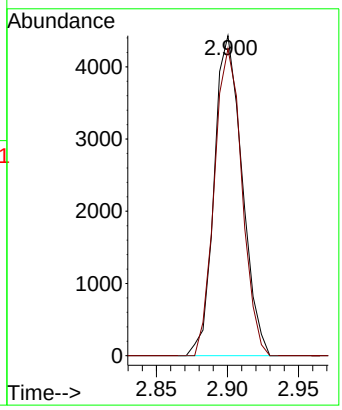


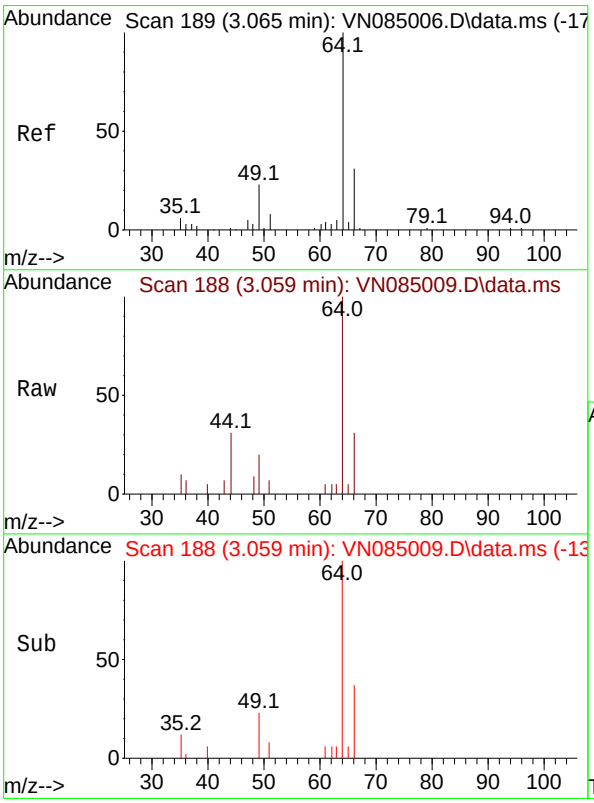
#5
Bromomethane
Concen: 5.543 ug/l
RT: 2.900 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 6052

Ion	Ratio	Lower	Upper
94	100		
96	95.9	78.7	118.1

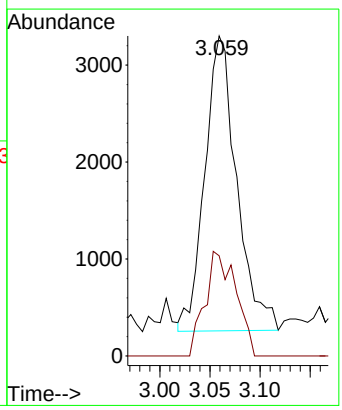


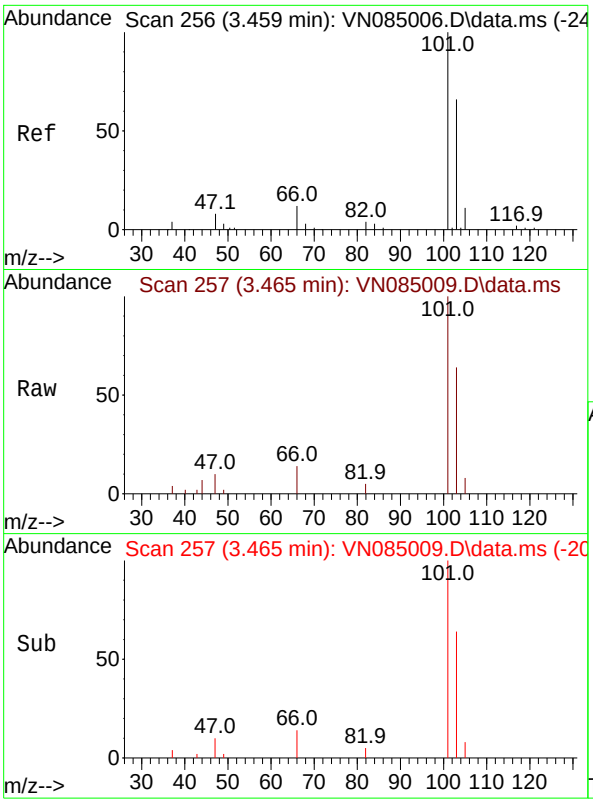


#6
Chloroethane
Concen: 5.119 ug/l
RT: 3.059 min Scan# 188
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 64 Resp: 6721

Ion	Ratio	Lower	Upper
64	100		
66	34.1	24.4	36.6



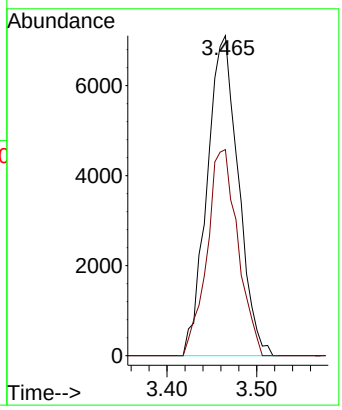


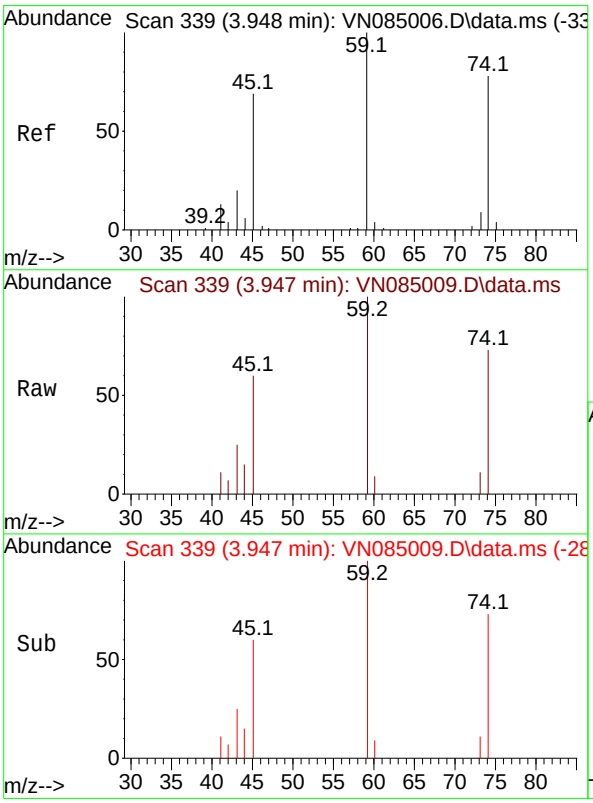
#7
Trichlorofluoromethane
Concen: 5.192 ug/l
RT: 3.465 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 17204

Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.6	78.8

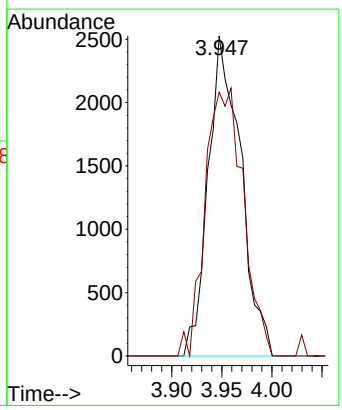


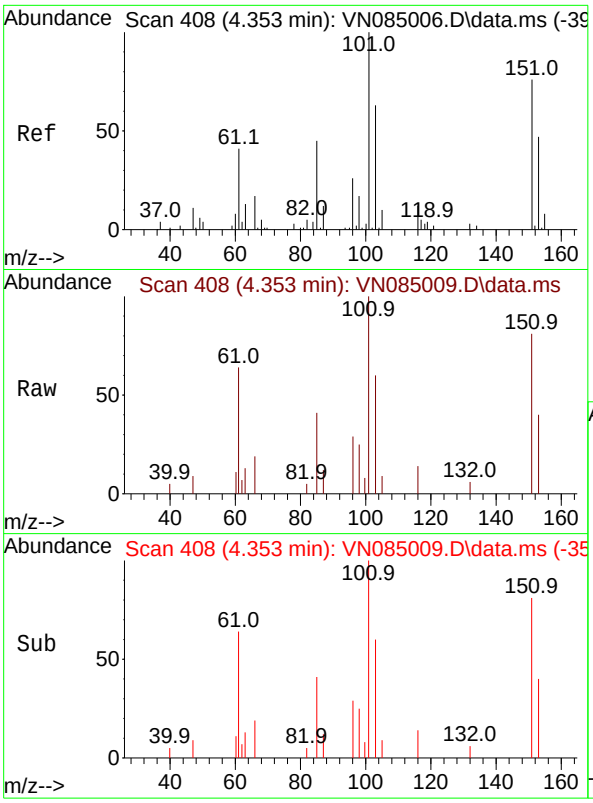


#8
Diethyl Ether
Concen: 5.050 ug/l
RT: 3.947 min Scan# 339
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 74 Resp: 5696

Ion	Ratio	Lower	Upper
74	100		
45	97.8	46.7	140.1



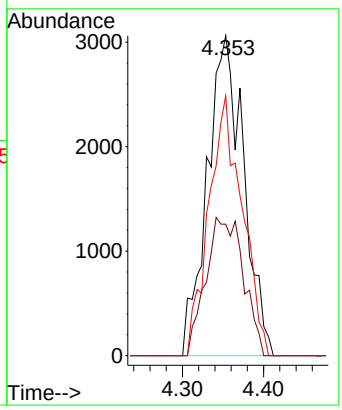


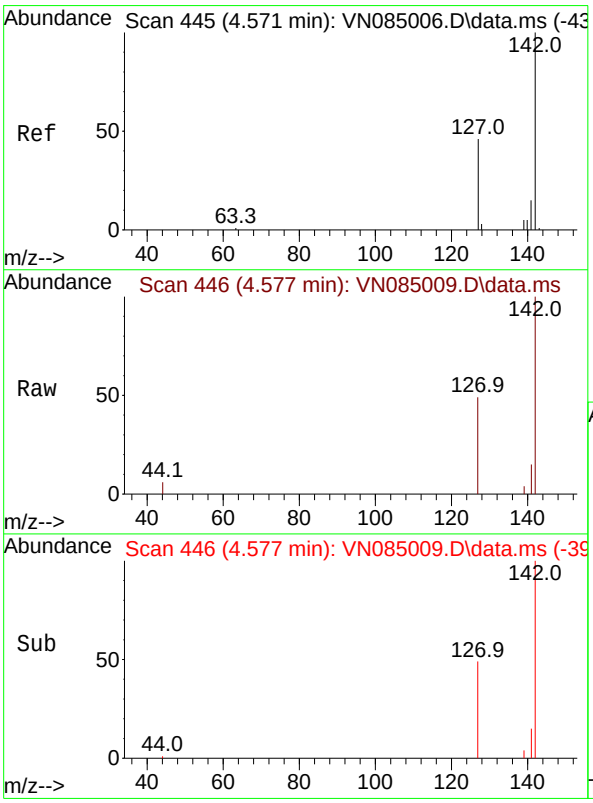
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.064 ug/l
RT: 4.353 min Scan# 4(
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 9518

Ion	Ratio	Lower	Upper
101	100		
85	44.7	36.9	55.3
151	74.5	60.8	91.2

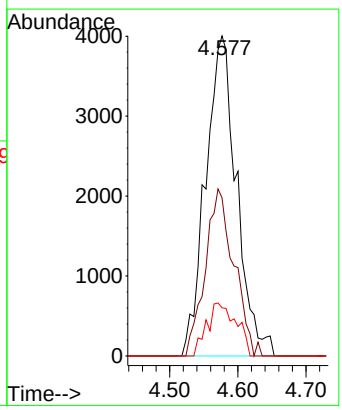


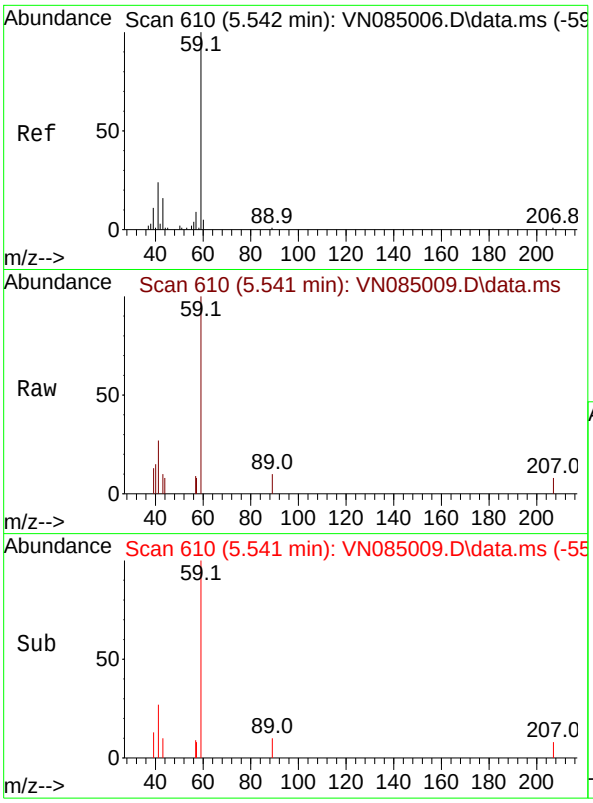


#10
Methyl Iodide
Concen: 5.077 ug/l
RT: 4.577 min Scan# 446
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:142 Resp: 12631

Ion	Ratio	Lower	Upper
142	100		
127	49.4	36.6	54.8
141	15.0	12.2	18.4



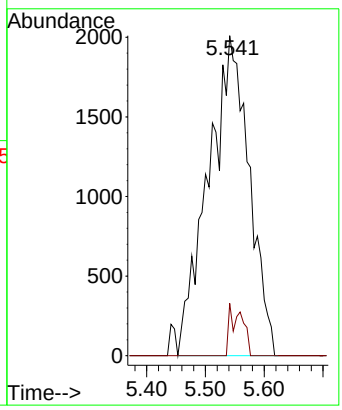


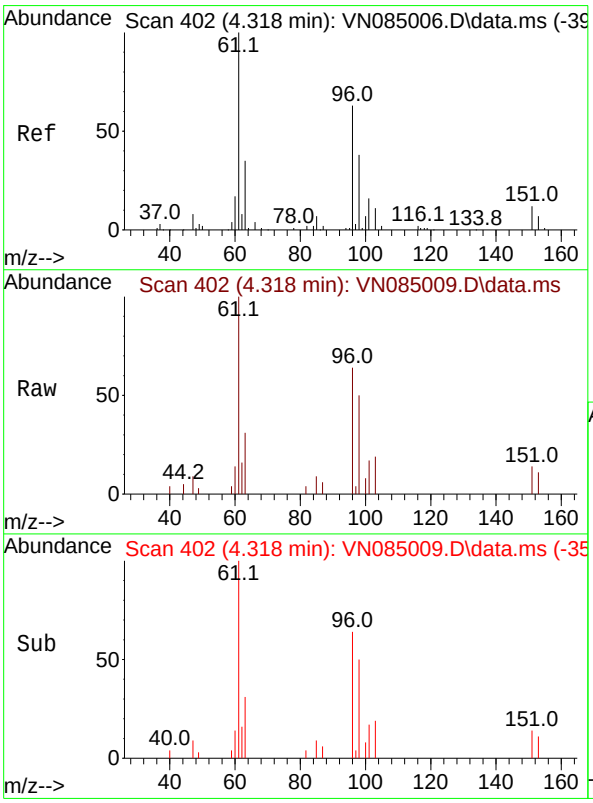
#11
Tert butyl alcohol
Concen: 30.780 ug/l
RT: 5.541 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 9684

Ion	Ratio	Lower	Upper
59	100		
57	5.0	7.4	11.0#

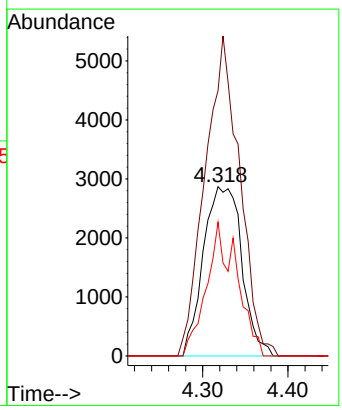


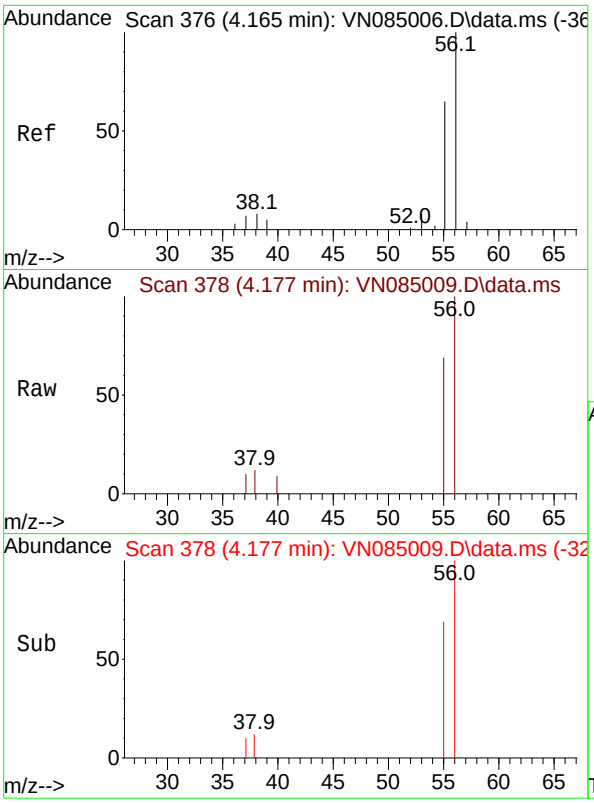


#12
1,1-Dichloroethene
Concen: 5.117 ug/l
RT: 4.318 min Scan# 402
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 96 Resp: 8977

Ion	Ratio	Lower	Upper
96	100		
61	156.7	127.8	191.8
98	79.1	49.2	73.8#



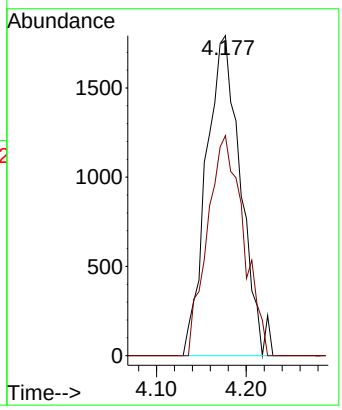


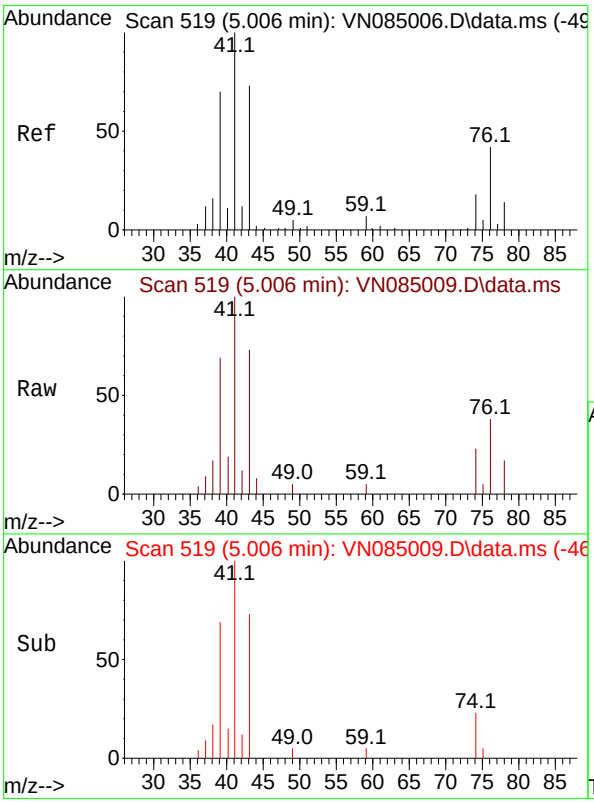
#13
Acrolein
Concen: 22.602 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.011 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 4745

Ion	Ratio	Lower	Upper
56	100		
55	72.5	54.5	81.7

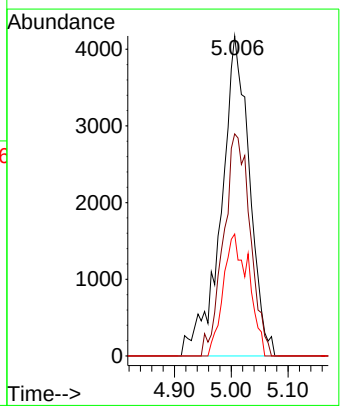


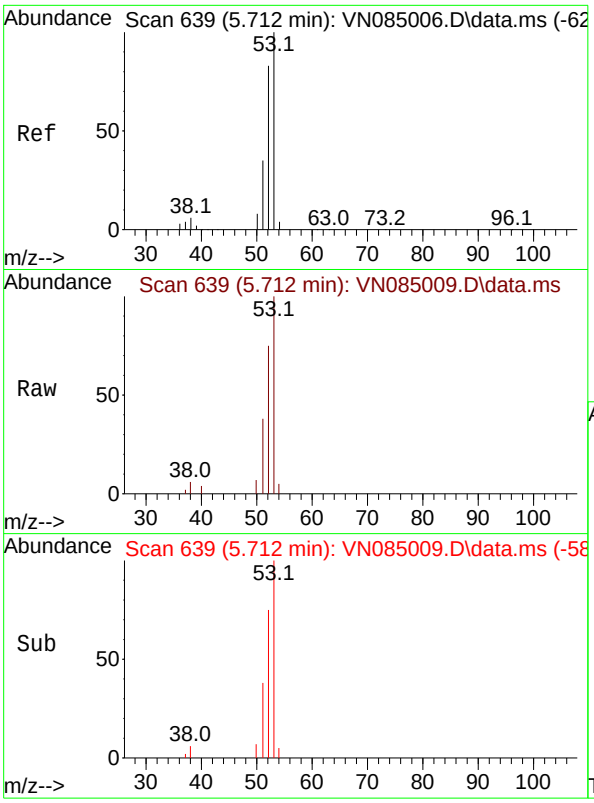


#14
Allyl chloride
Concen: 4.882 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 41 Resp: 14439

Ion	Ratio	Lower	Upper
41	100		
39	65.5	53.8	80.8
76	34.3	29.3	43.9



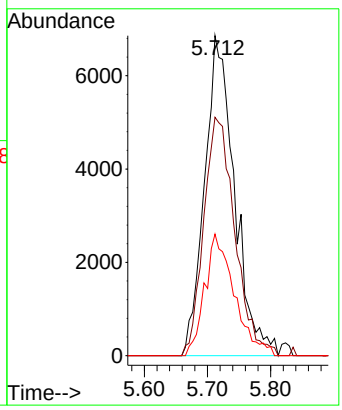


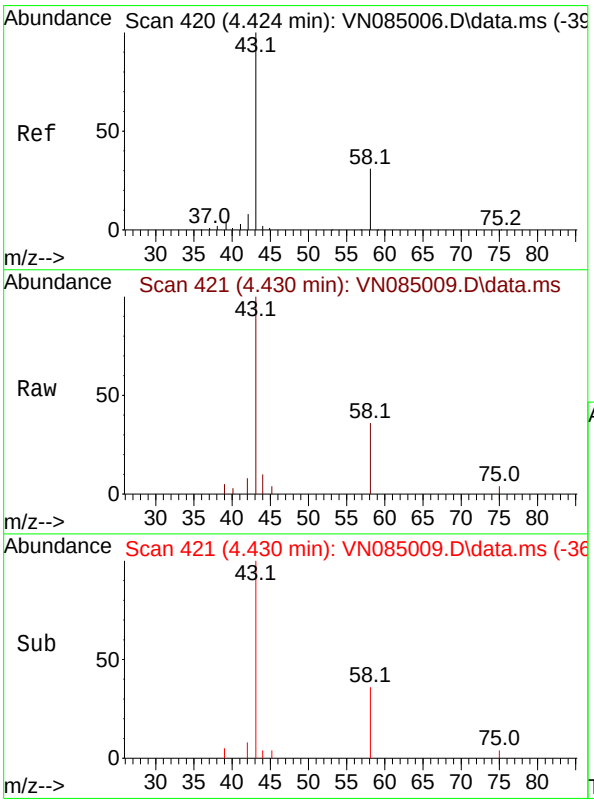
#15
Acrylonitrile
Concen: 25.403 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 22627

Ion	Ratio	Lower	Upper
53	100		
52	77.5	65.5	98.3
51	37.5	28.4	42.6

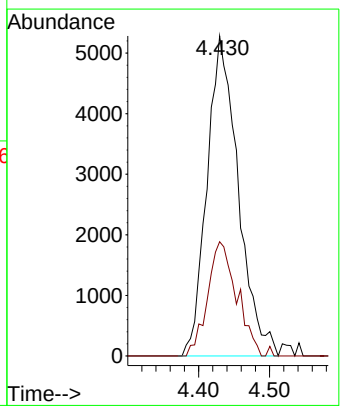


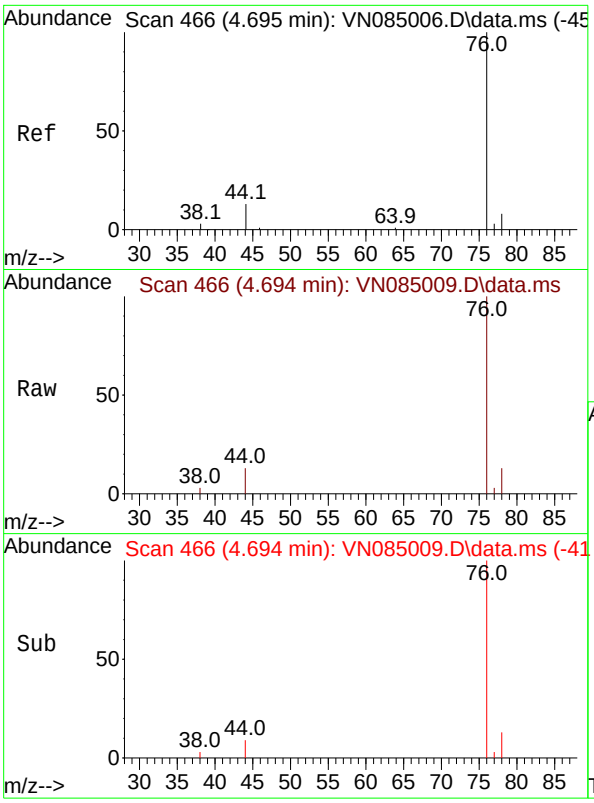


#16
Acetone
Concen: 23.525 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 43 Resp: 16131

Ion	Ratio	Lower	Upper
43	100		
58	35.7	25.4	38.2



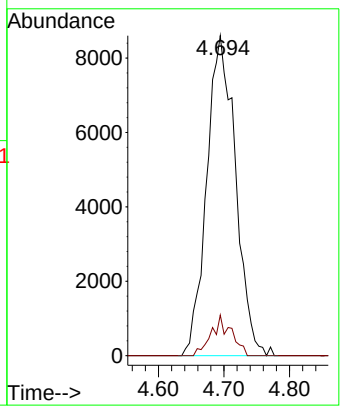


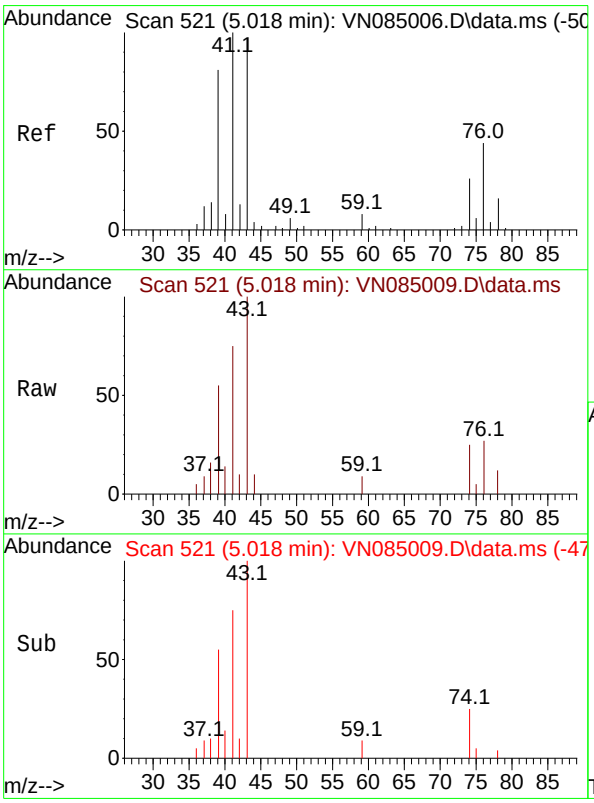
#17
Carbon Disulfide
Concen: 5.074 ug/l
RT: 4.694 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 26272

Ion	Ratio	Lower	Upper
76	100		
78	12.7	6.5	9.7#

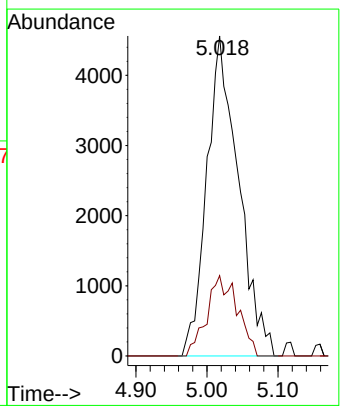


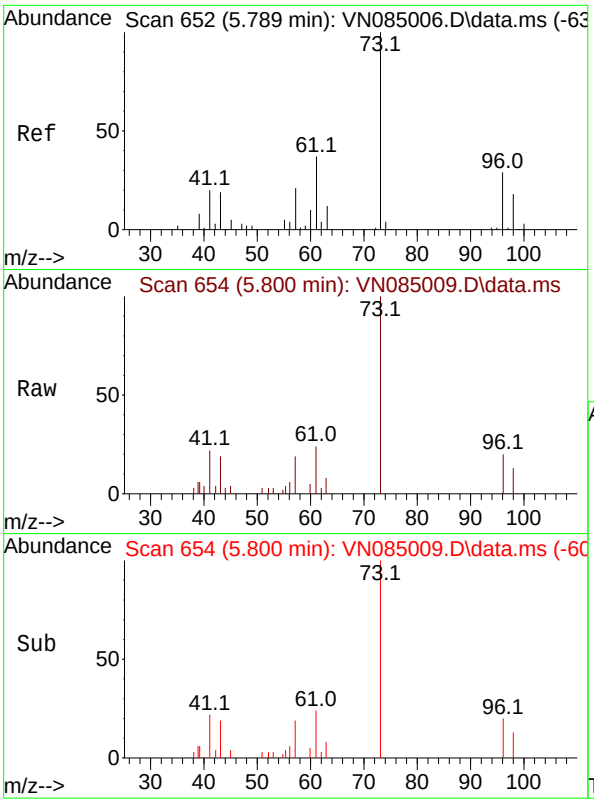


#18
Methyl Acetate
Concen: 5.429 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 43 Resp: 14139

Ion	Ratio	Lower	Upper
43	100		
74	24.2	20.1	30.1



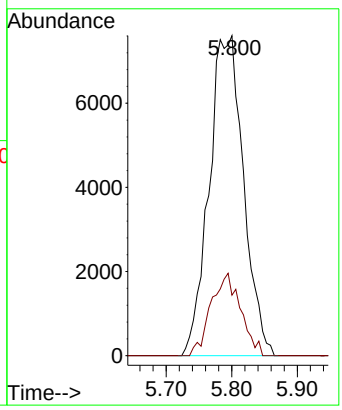


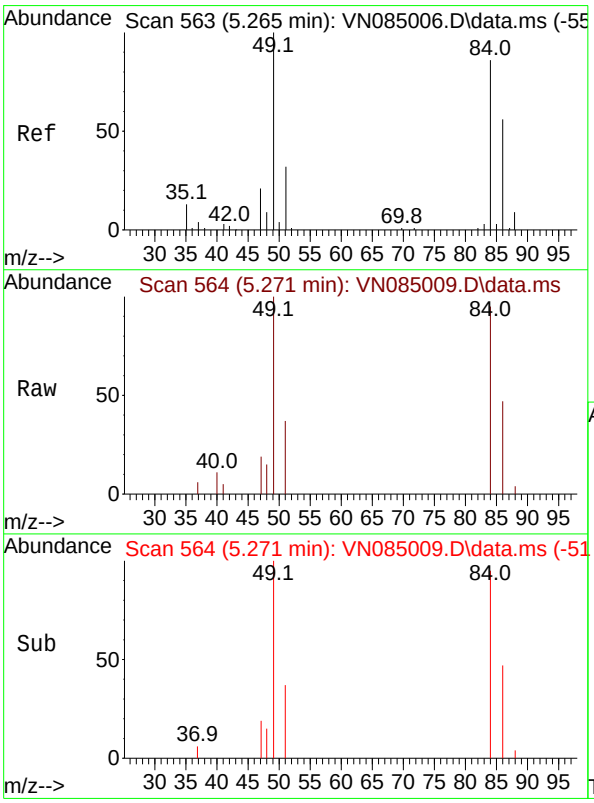
#19
Methyl tert-butyl Ether
Concen: 4.829 ug/l
RT: 5.800 min Scan# 6
Delta R.T. 0.011 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 27679

Ion	Ratio	Lower	Upper
73	100		
57	18.9	17.0	25.4

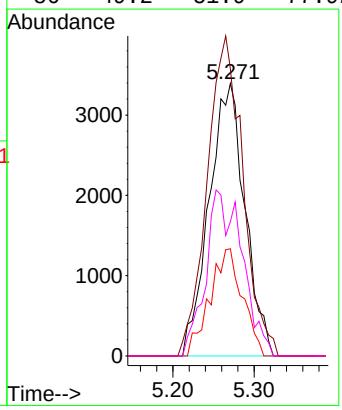


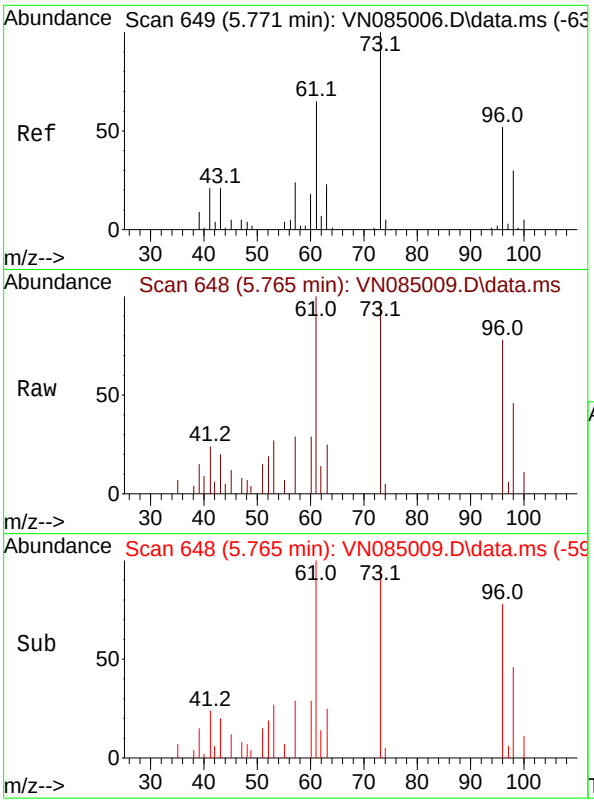


#20
Methylene Chloride
Concen: 4.975 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 84 Resp: 10410

Ion	Ratio	Lower	Upper
84	100		
49	105.4	92.7	139.1
51	39.4	29.4	44.2
86	49.2	51.9	77.9#



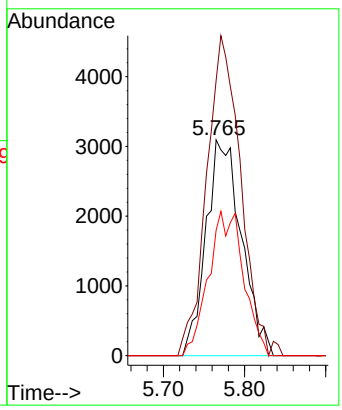


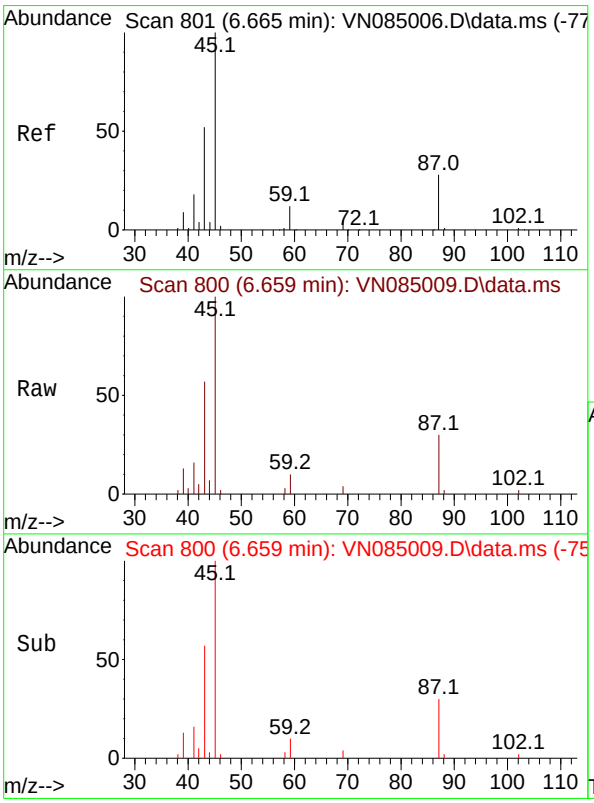
#21
trans-1,2-Dichloroethene
Concen: 5.085 ug/l
RT: 5.765 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 9388

Ion	Ratio	Lower	Upper
96	100		
61	127.5	100.7	151.1
98	58.1	45.8	68.6

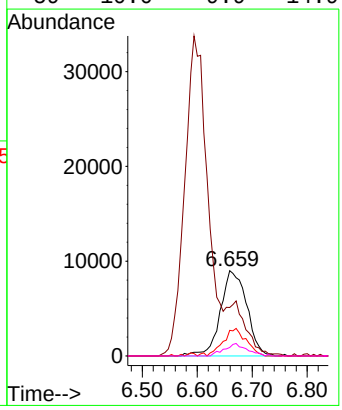


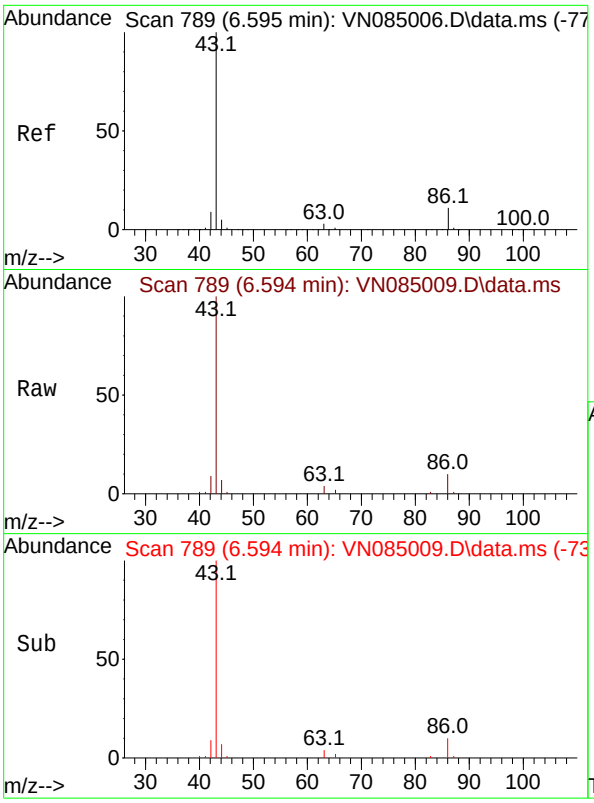


#22
Diisopropyl ether
Concen: 5.043 ug/l
RT: 6.659 min Scan# 800
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 45 Resp: 30018

Ion	Ratio	Lower	Upper
45	100		
43	54.4	42.7	64.1
87	29.9	22.6	34.0
59	10.0	9.9	14.9



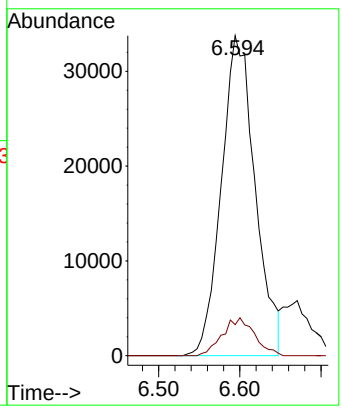


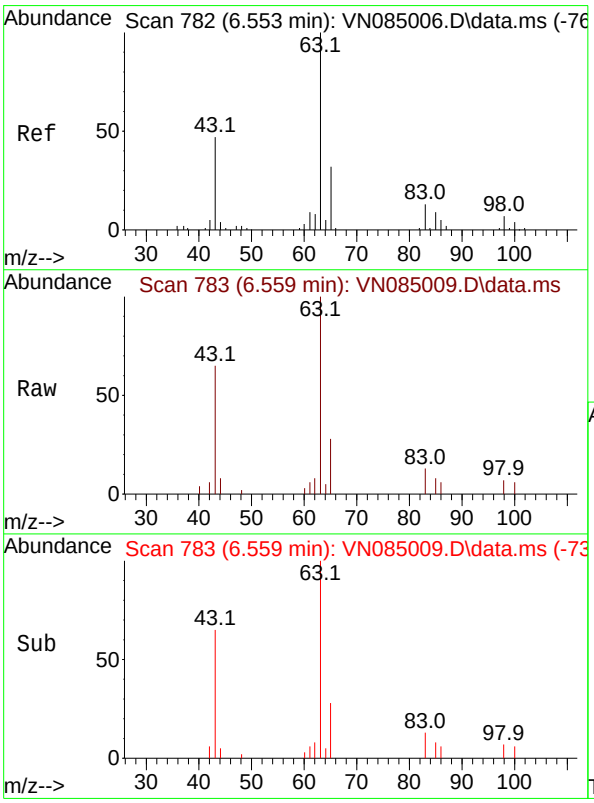
#23
Vinyl Acetate
Concen: 23.745 ug/l
RT: 6.594 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 97507

Ion	Ratio	Lower	Upper
43	100		
86	9.7	8.9	13.3

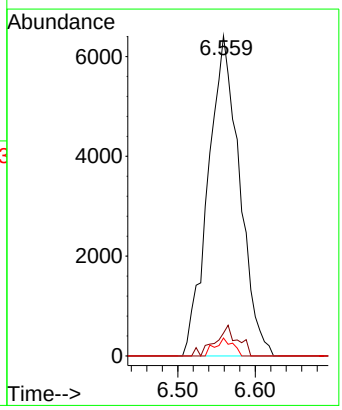


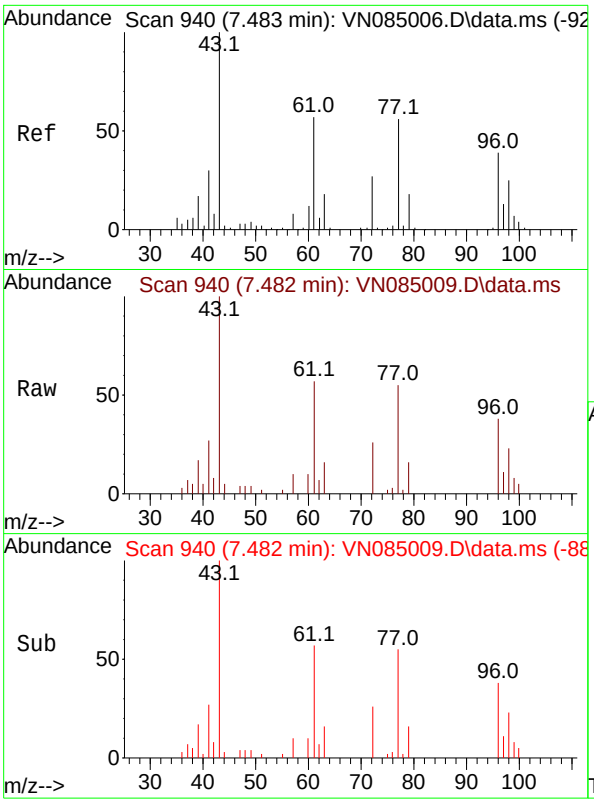


#24
1,1-Dichloroethane
Concen: 5.066 ug/l
RT: 6.559 min Scan# 783
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 63 Resp: 18044

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.3	9.8
100	5.6	2.2	6.6



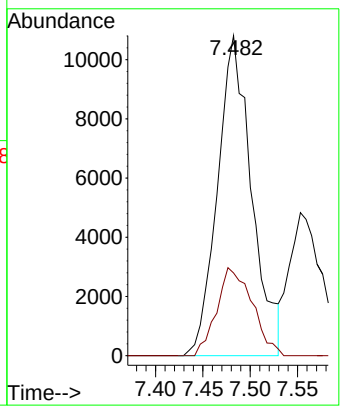


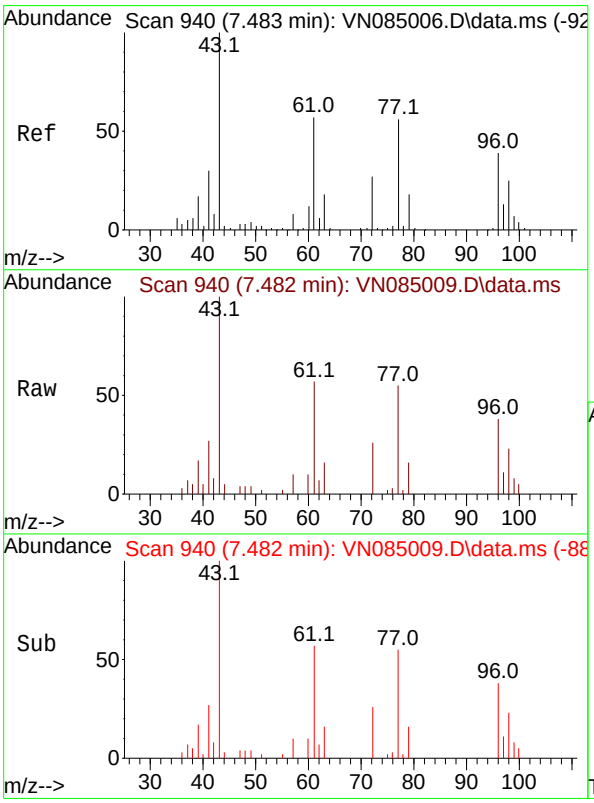
#25
2-Butanone
Concen: 24.174 ug/l
RT: 7.482 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 27100

Ion	Ratio	Lower	Upper
43	100		
72	25.9	21.4	32.0

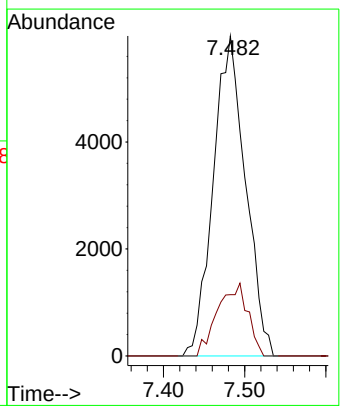


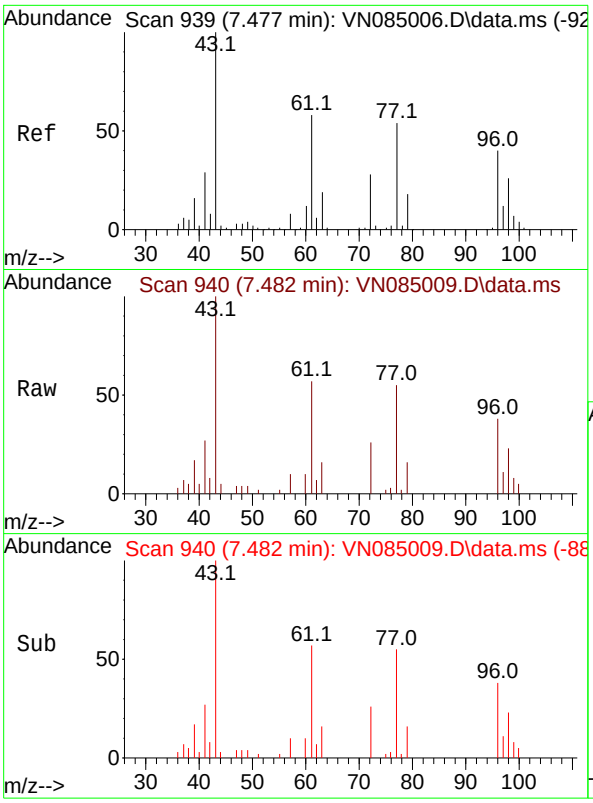


#26
2,2-Dichloropropane
Concen: 4.968 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 77 Resp: 16525

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.9	32.7



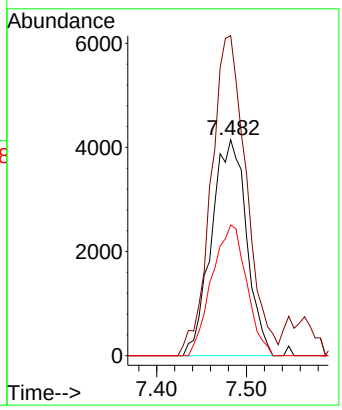


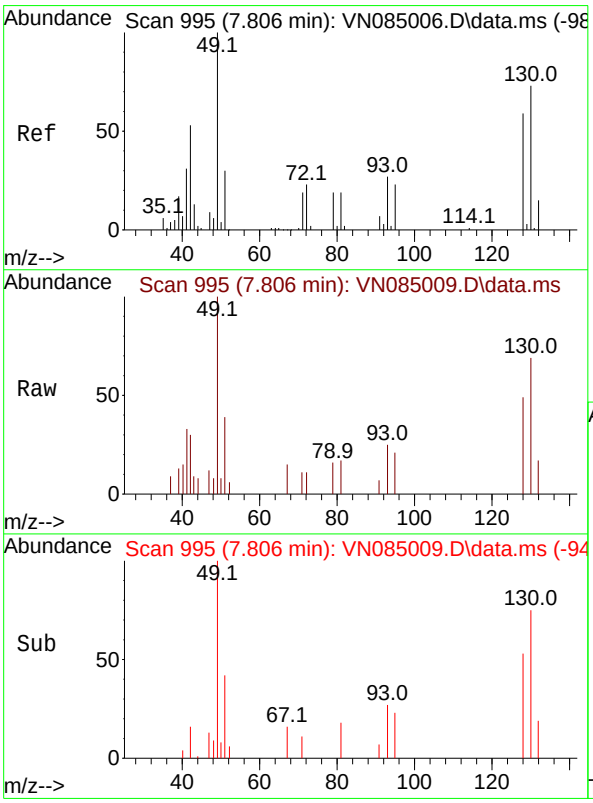
#27
cis-1,2-Dichloroethene
Concen: 5.055 ug/l
RT: 7.482 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 11250

Ion	Ratio	Lower	Upper
96	100		
61	148.7	0.0	291.6
98	59.8	0.0	129.8

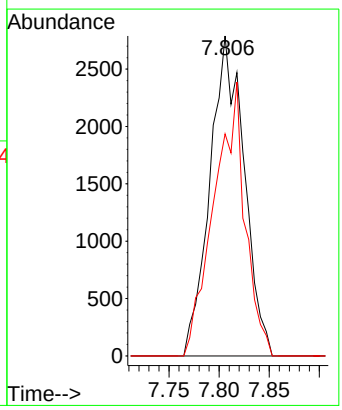


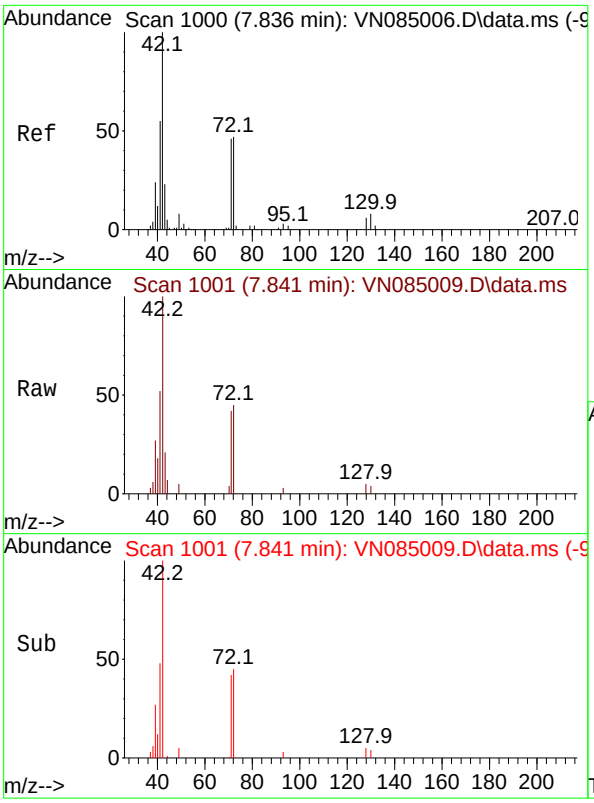


#28
Bromochloromethane
Concen: 4.903 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 49 Resp: 6592

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	77.4	60.6	90.8



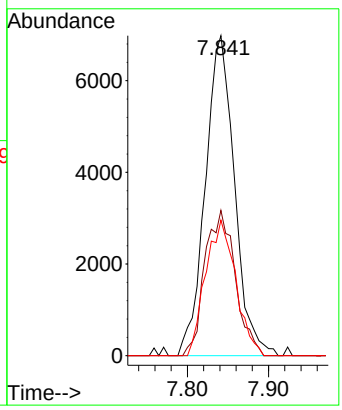


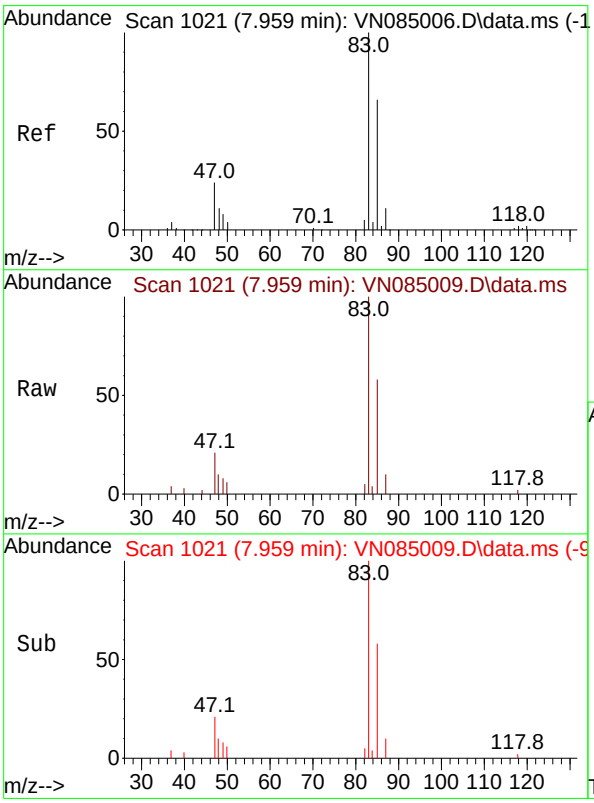
#29
Tetrahydrofuran
Concen: 25.104 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 17501

Ion	Ratio	Lower	Upper
42	100		
72	47.1	37.0	55.4
71	43.6	35.0	52.4

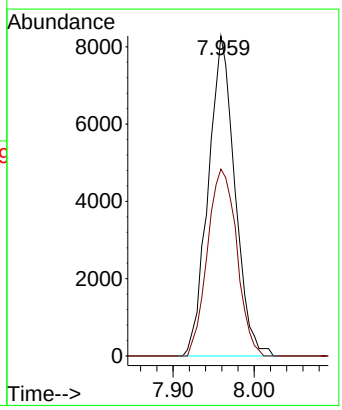


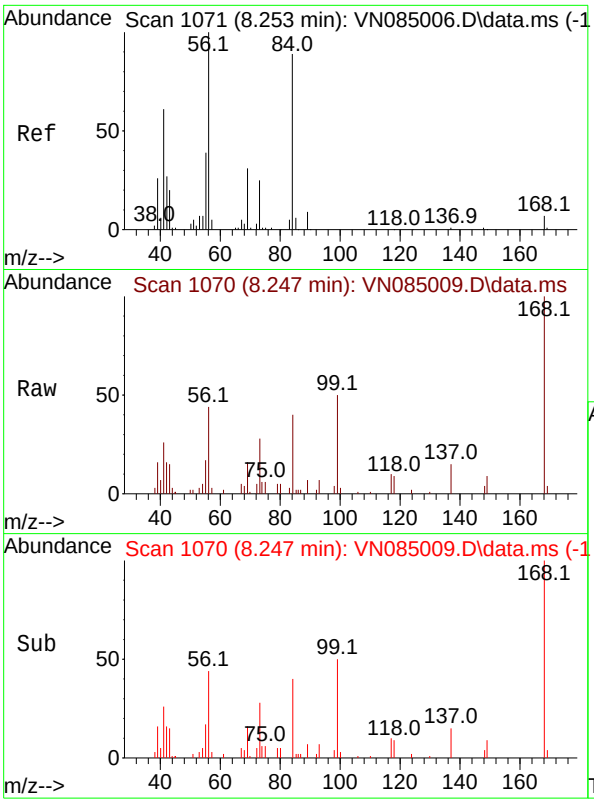


#30
Chloroform
Concen: 4.971 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 83 Resp: 18837

Ion	Ratio	Lower	Upper
83	100		
85	58.4	52.6	78.8



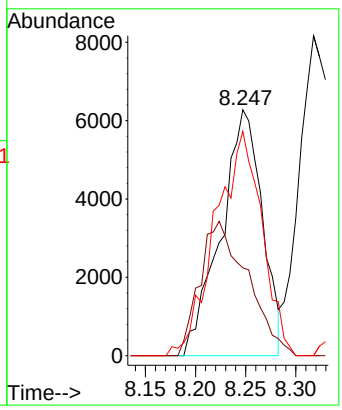


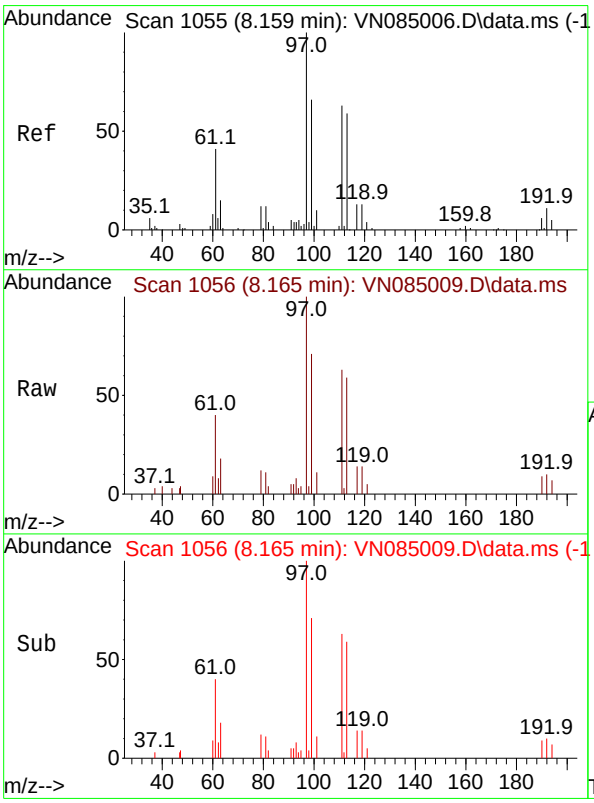
#31
Cyclohexane
Concen: 5.751 ug/l
RT: 8.247 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 18036

Ion	Ratio	Lower	Upper
56	100		
69	35.7	24.6	36.8
84	88.0	71.4	107.2

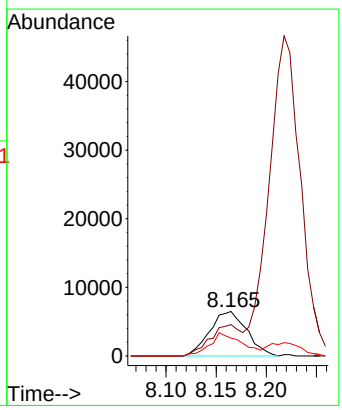


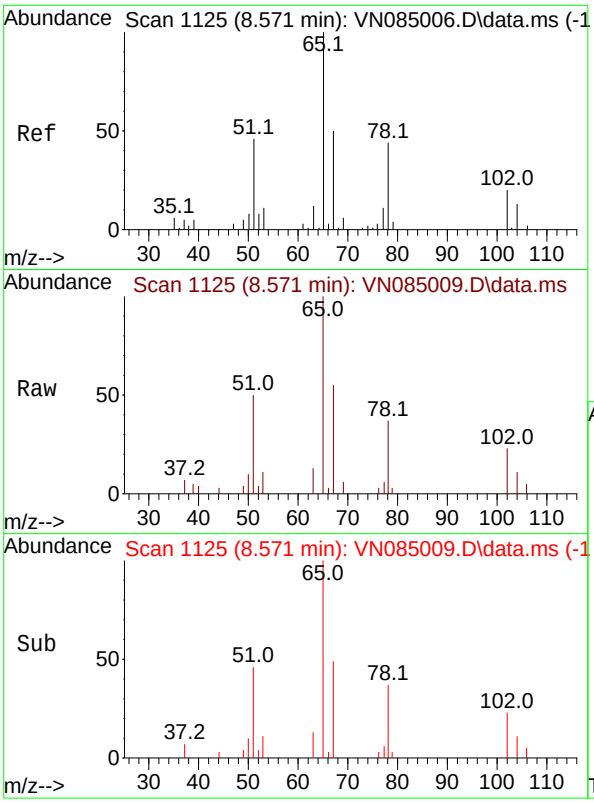


#32
1,1,1-Trichloroethane
Concen: 4.851 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 97 Resp: 16611

Ion	Ratio	Lower	Upper
97	100		
99	59.1	51.0	76.4
61	45.2	36.2	54.2



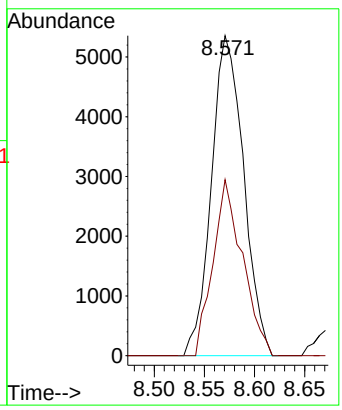


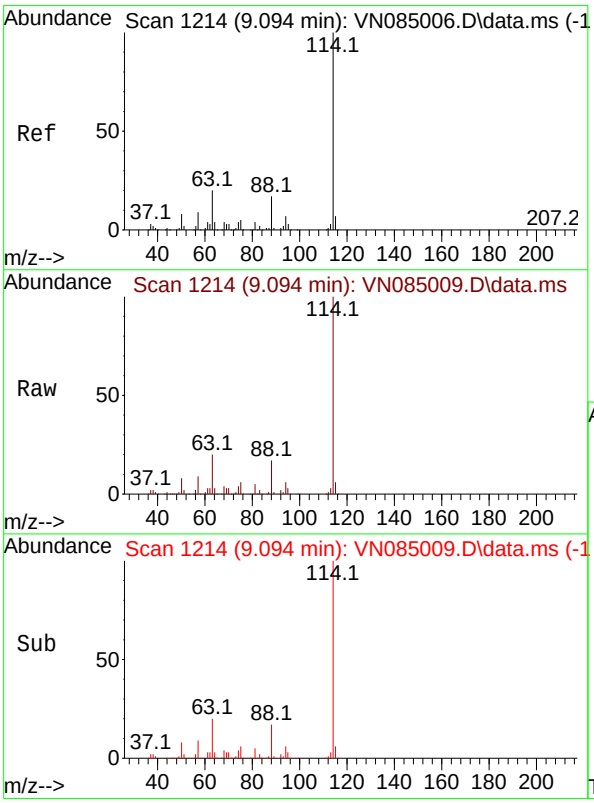
#33
1,2-Dichloroethane-d4
Concen: 5.087 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 11977

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	105.0

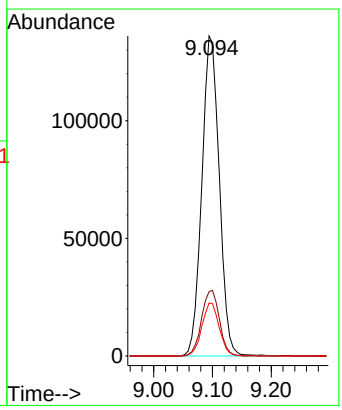


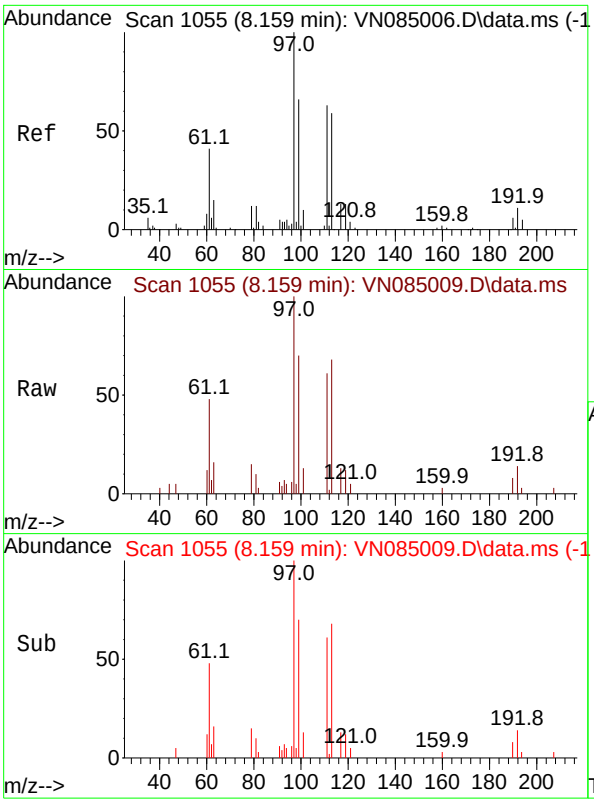


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:114 Resp: 280025

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	41.0
88	16.6	0.0	34.8



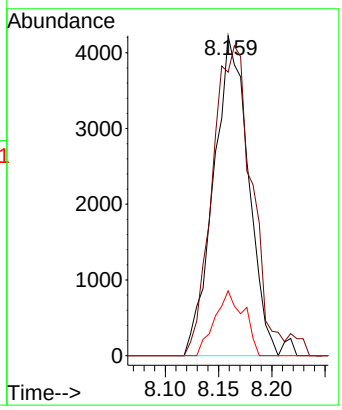


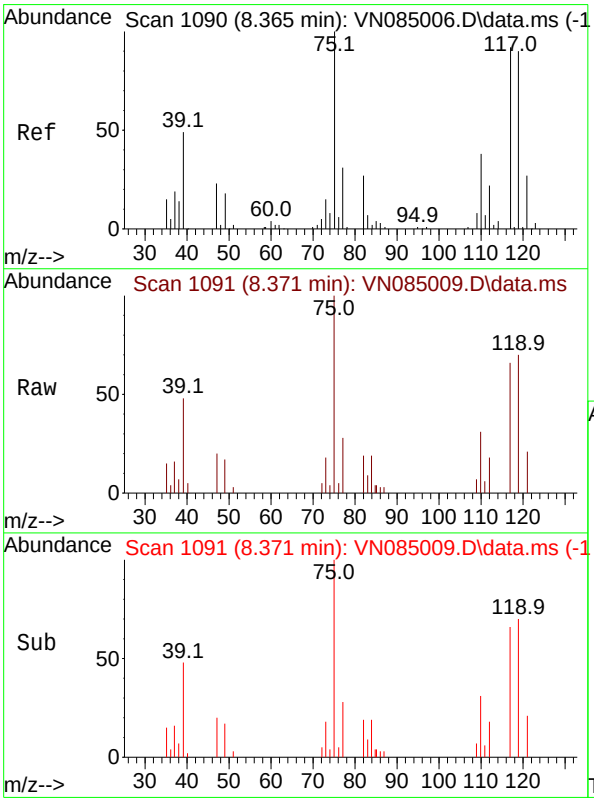
#35
Dibromofluoromethane
Concen: 5.082 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 9597

Ion	Ratio	Lower	Upper
113	100		
111	109.7	82.0	123.0
192	17.0	14.8	22.2

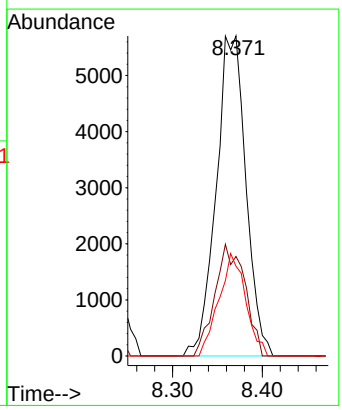


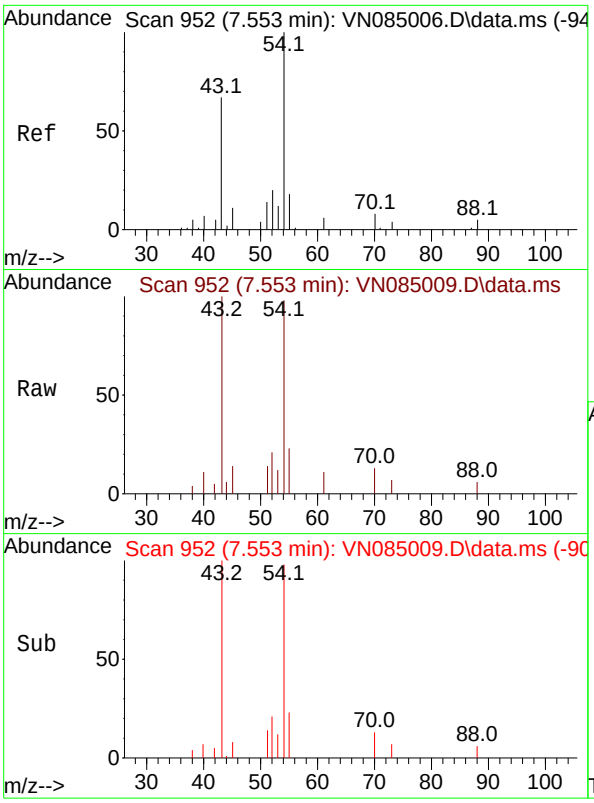


#36
1,1-Dichloropropene
Concen: 5.140 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 75 Resp: 13147

Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.2	51.6
77	28.9	24.2	36.4



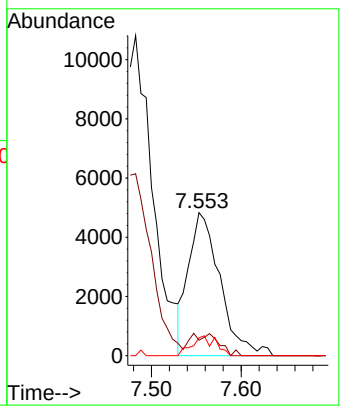


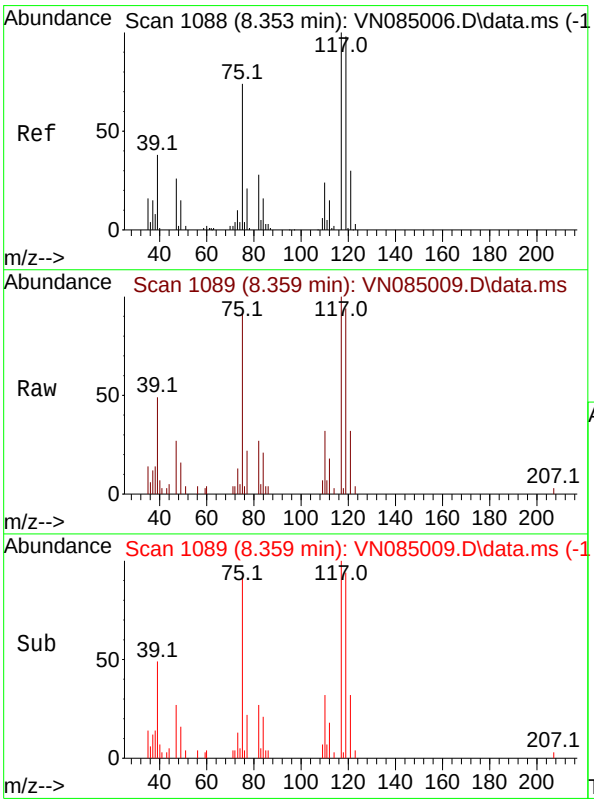
#37
Ethyl Acetate
Concen: 5.114 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 11891

Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.7	17.5#
70	10.4	9.3	13.9

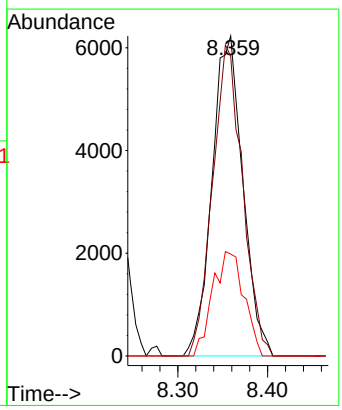


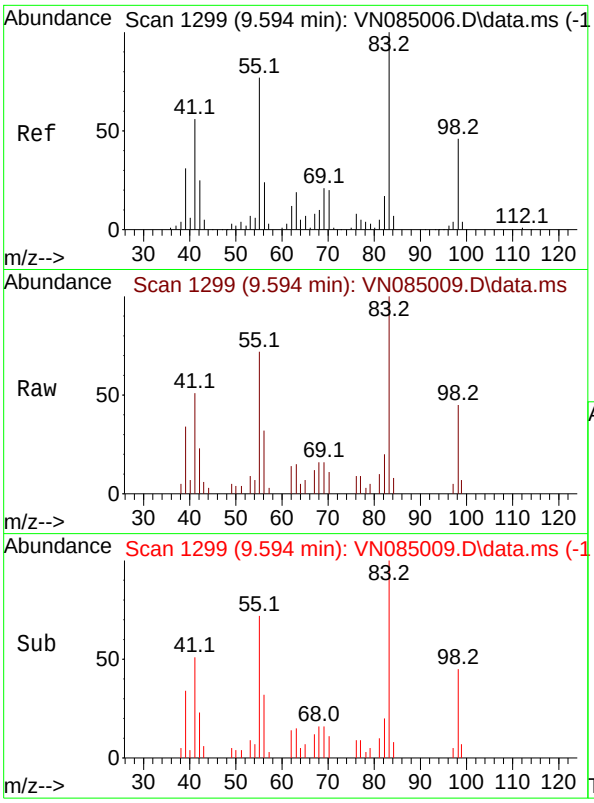


#38
Carbon Tetrachloride
Concen: 5.022 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:117 Resp: 14827

Ion	Ratio	Lower	Upper
117	100		
119	93.7	78.6	117.8
121	31.8	24.2	36.2



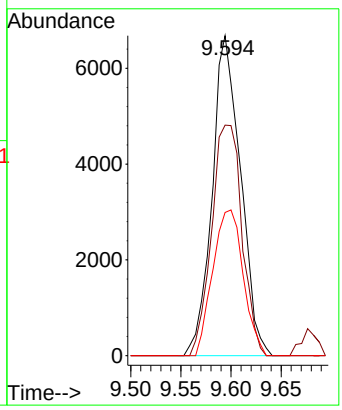


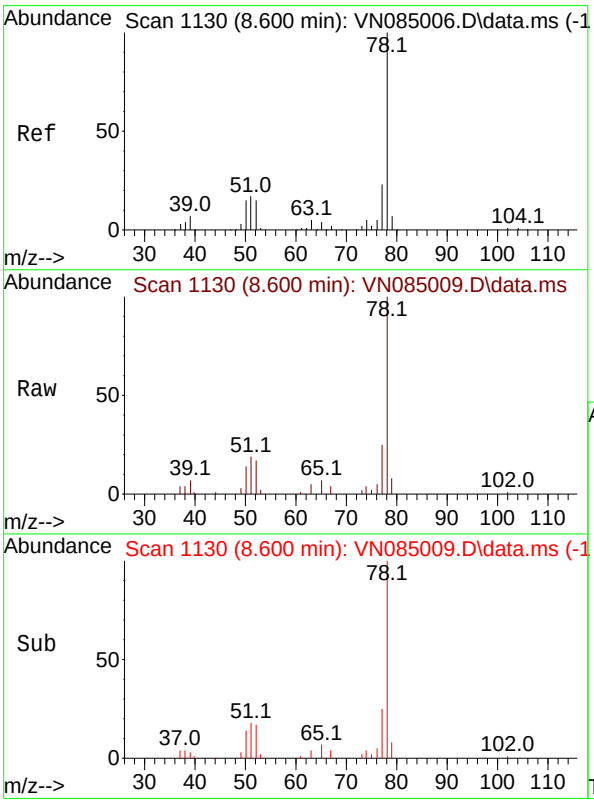
#39
Methylcyclohexane
Concen: 4.945 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 13143

Ion	Ratio	Lower	Upper
83	100		
55	72.1	61.8	92.6
98	44.8	37.0	55.6

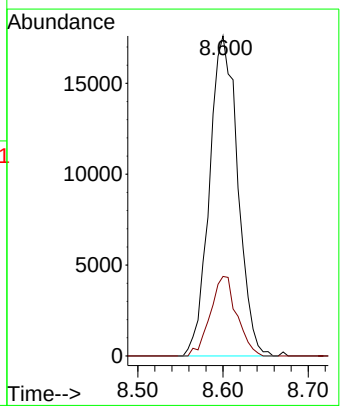


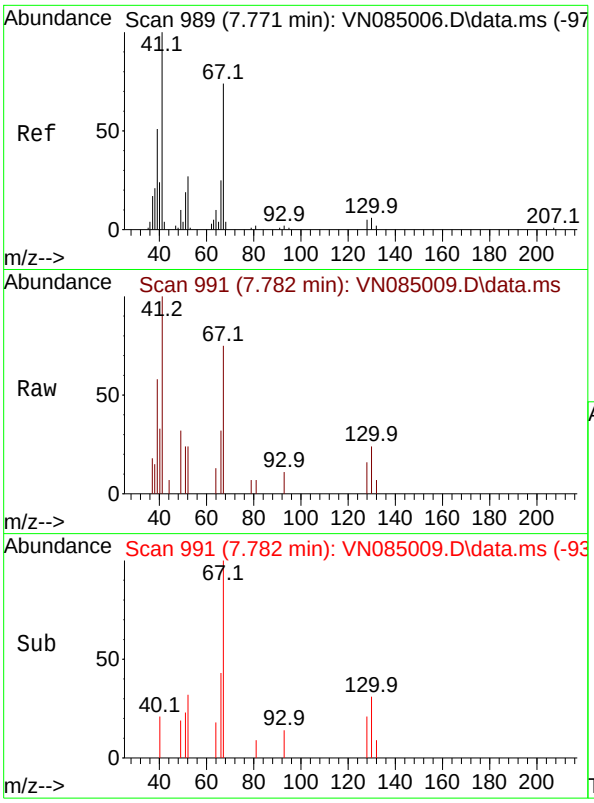


#40
Benzene
Concen: 5.026 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 78 Resp: 40657

Ion	Ratio	Lower	Upper
78	100		
77	24.8	18.5	27.7



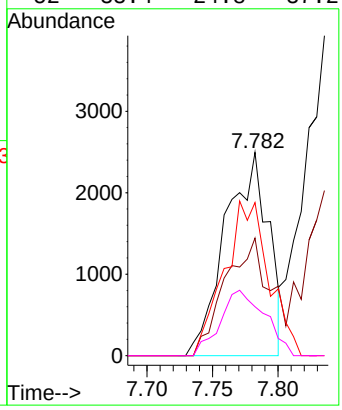


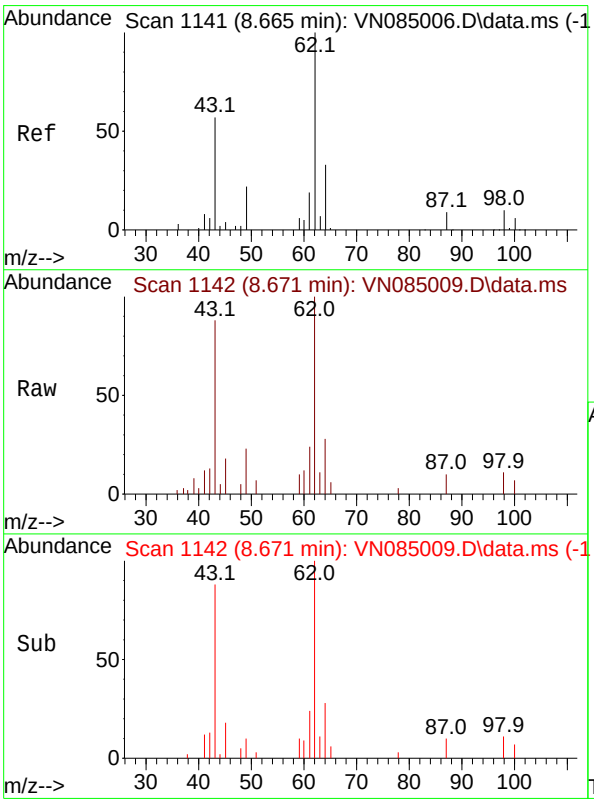
#41
Methacrylonitrile
Concen: 4.417 ug/l
RT: 7.782 min Scan# 9
Delta R.T. 0.011 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 5687

Ion	Ratio	Lower	Upper
41	100		
39	60.9	42.6	63.8
67	78.7	59.9	89.9
52	33.4	24.8	37.2

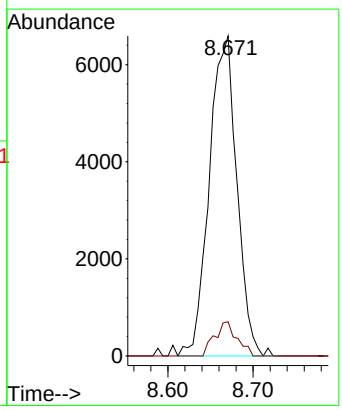


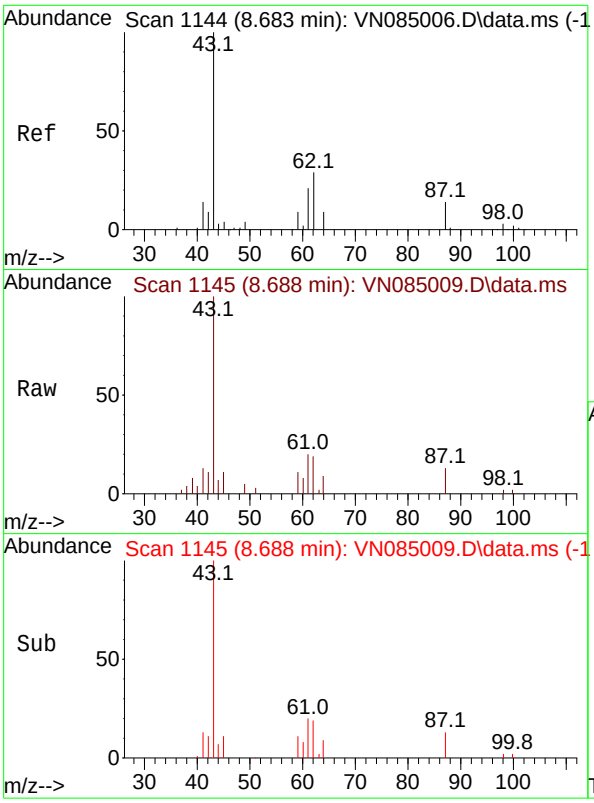


#42
1,2-Dichloroethane
Concen: 5.356 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 62 Resp: 14824

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.2



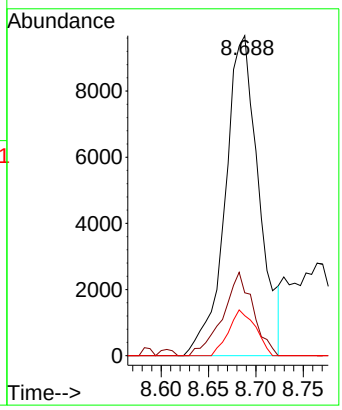


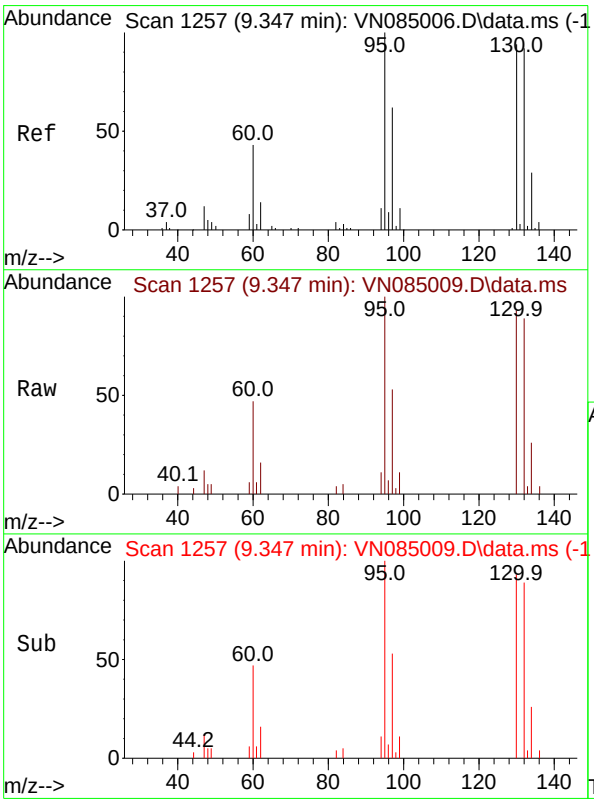
#43
Isopropyl Acetate
Concen: 4.947 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 23894

Ion	Ratio	Lower	Upper
43	100		
61	23.4	20.6	30.8
87	11.4	11.0	16.4

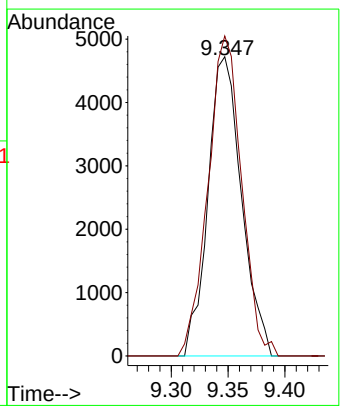


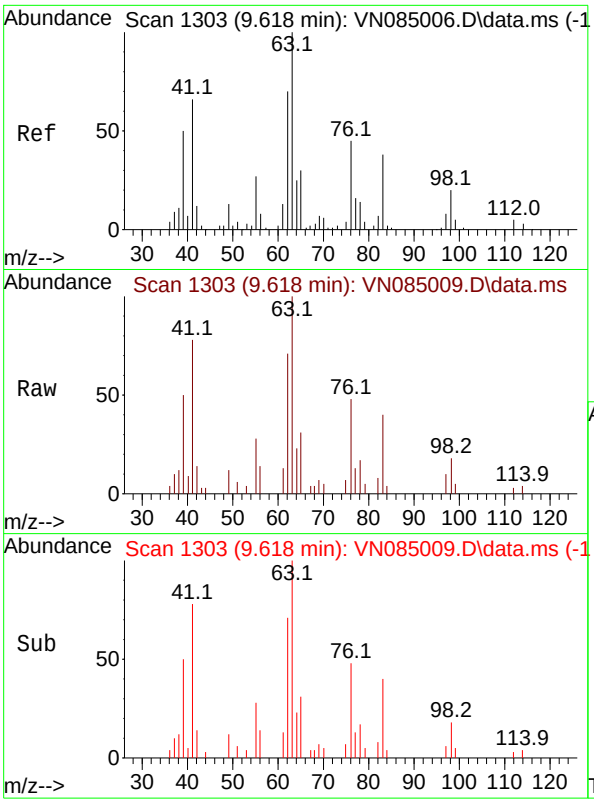


#44
Trichloroethene
Concen: 5.165 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:130 Resp: 9711

Ion	Ratio	Lower	Upper
130	100		
95	107.0	0.0	213.4



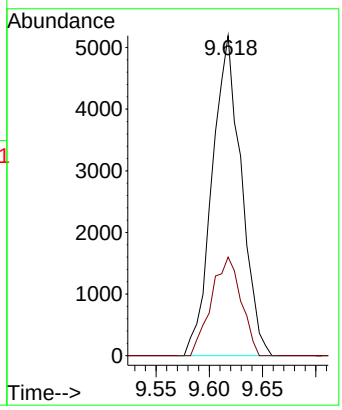


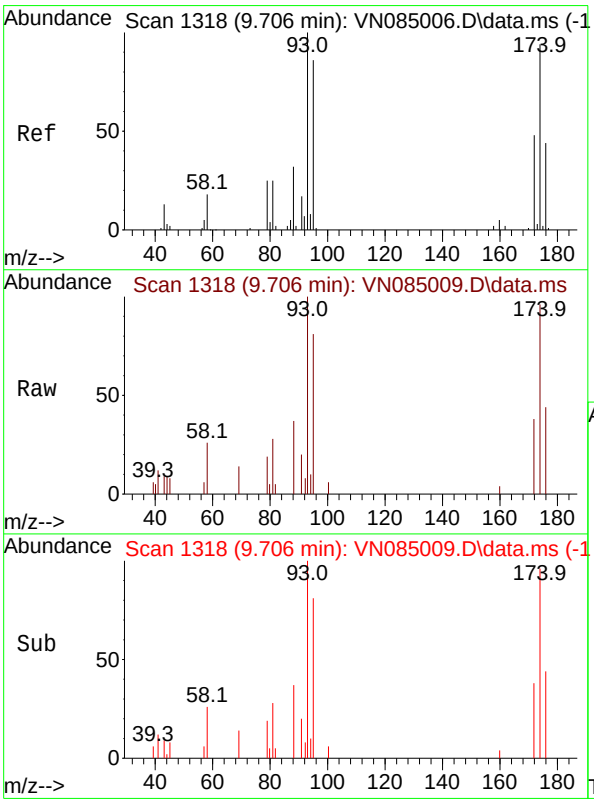
#45
1,2-Dichloropropane
Concen: 4.948 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 9859

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.0	36.0

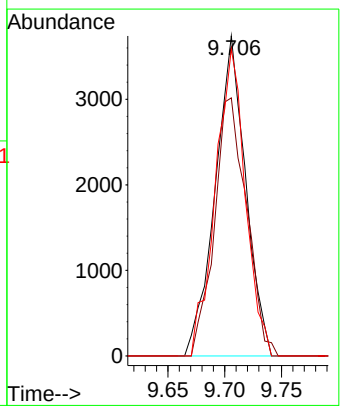


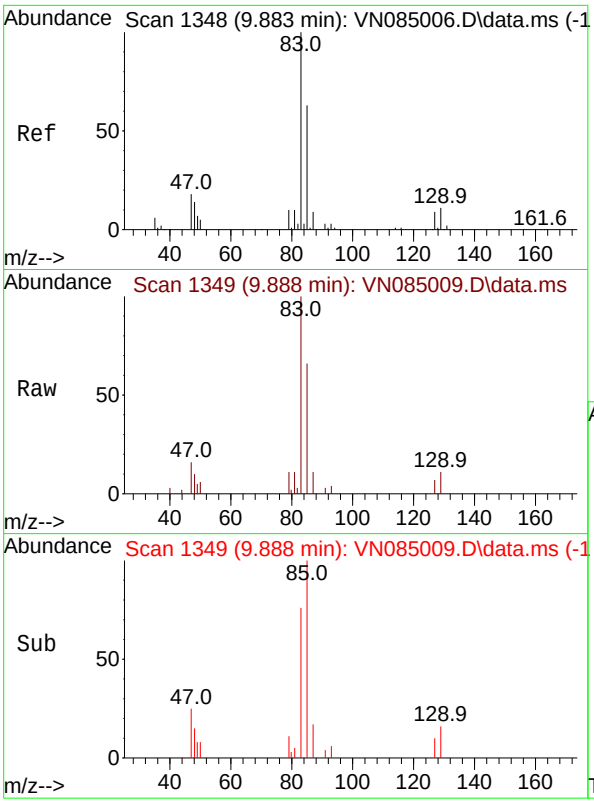


#46
Dibromomethane
Concen: 5.028 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 93 Resp: 6962

Ion	Ratio	Lower	Upper
93	100		
95	85.5	66.2	99.4
174	94.3	74.9	112.3



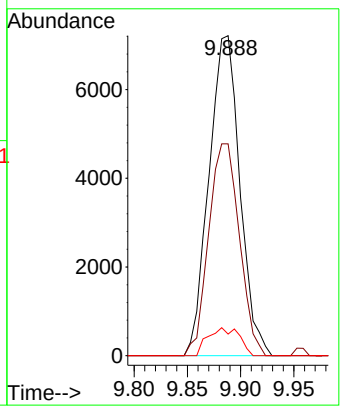


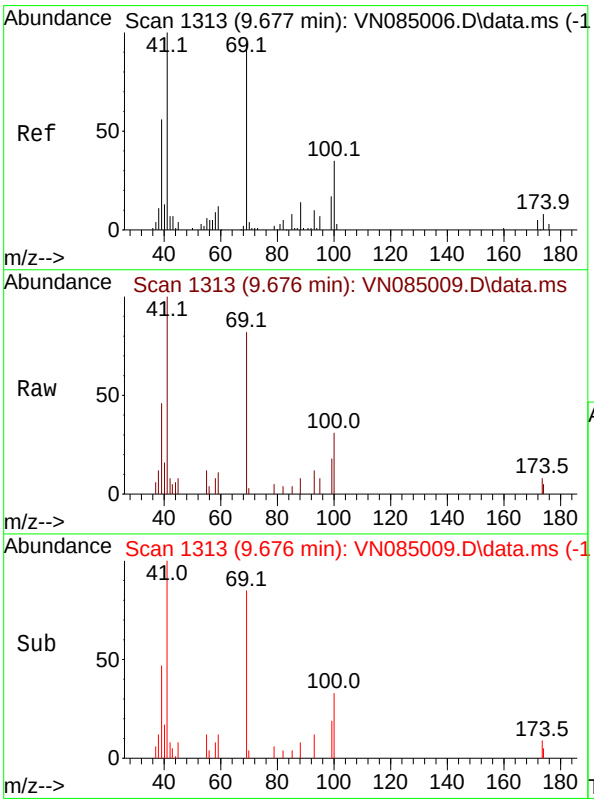
#47
Bromodichloromethane
Concen: 4.962 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 14562

Ion	Ratio	Lower	Upper
83	100		
85	66.2	50.5	75.7
127	6.8	7.1	10.7#

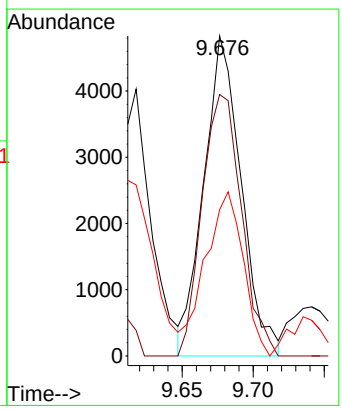


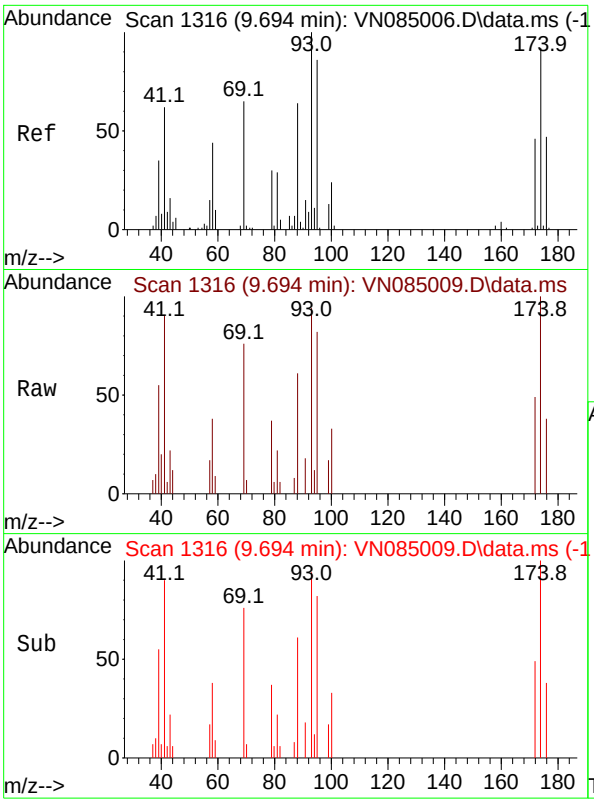


#48
Methyl methacrylate
Concen: 4.918 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 41 Resp: 8840

Ion	Ratio	Lower	Upper
41	100		
69	86.1	73.2	109.8
39	52.3	46.2	69.4



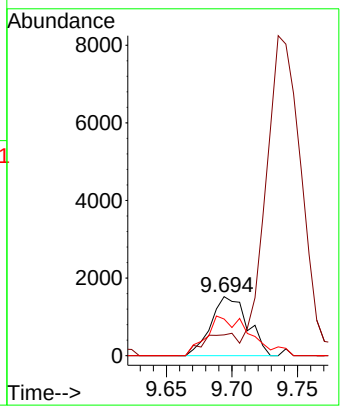


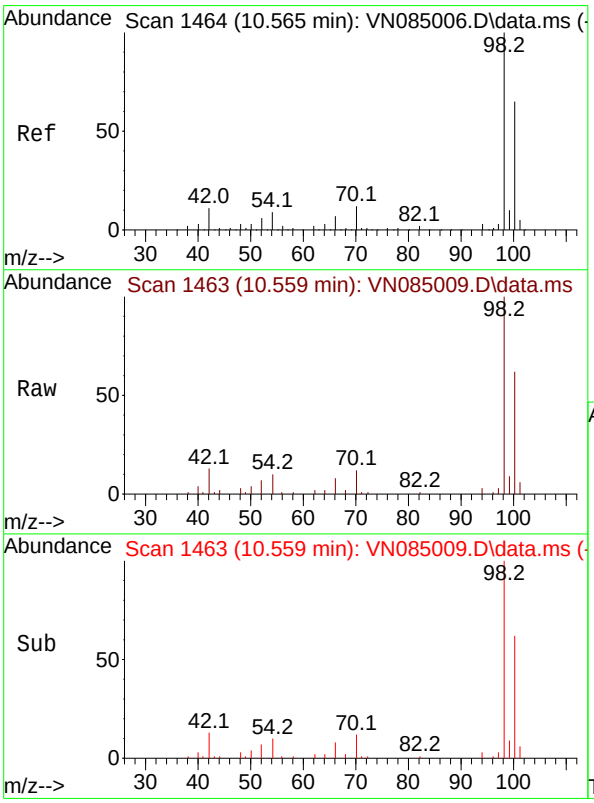
#49
1,4-Dioxane
Concen: 94.738 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 2953

Ion	Ratio	Lower	Upper
88	100		
43	35.6	16.7	25.1#
58	80.8	56.5	84.7

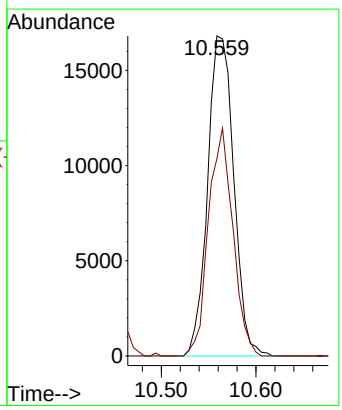


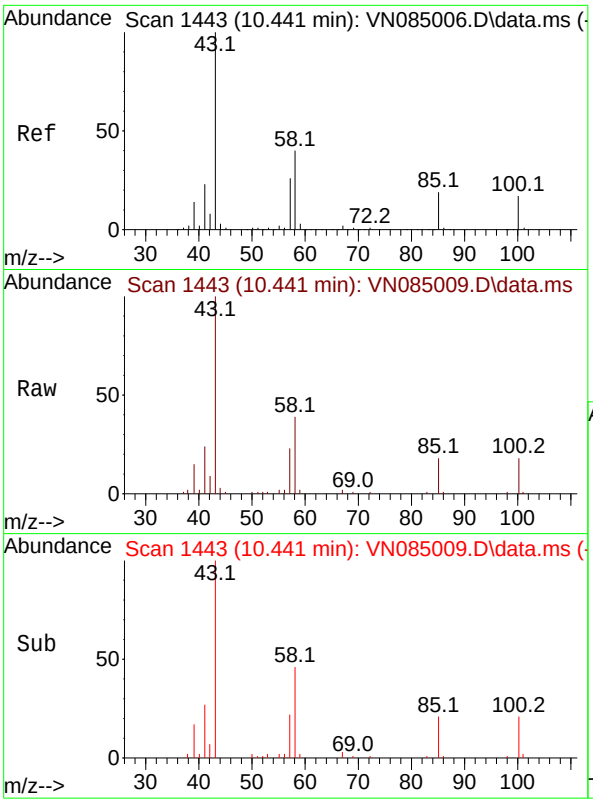


#50
Toluene-d8
Concen: 4.775 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 98 Resp: 32318

Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.5	78.7



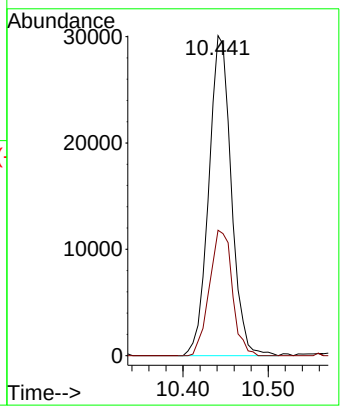


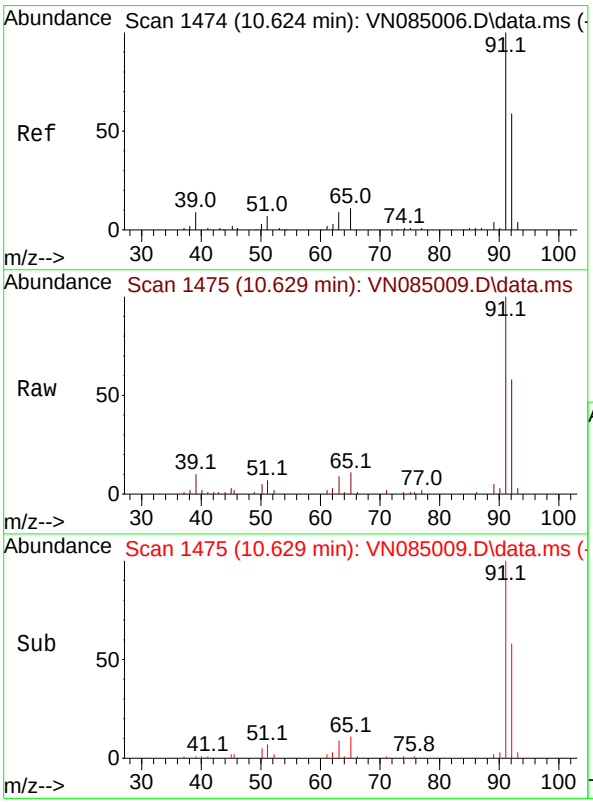
#51
4-Methyl-2-Pentanone
Concen: 25.010 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 55176

Ion	Ratio	Lower	Upper
43	100		
58	39.8	32.1	48.1

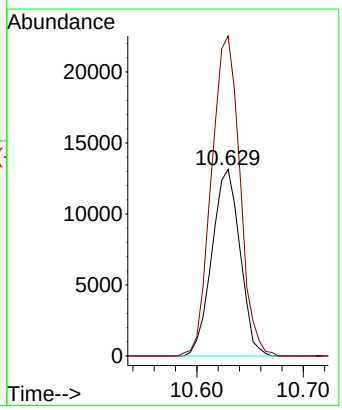


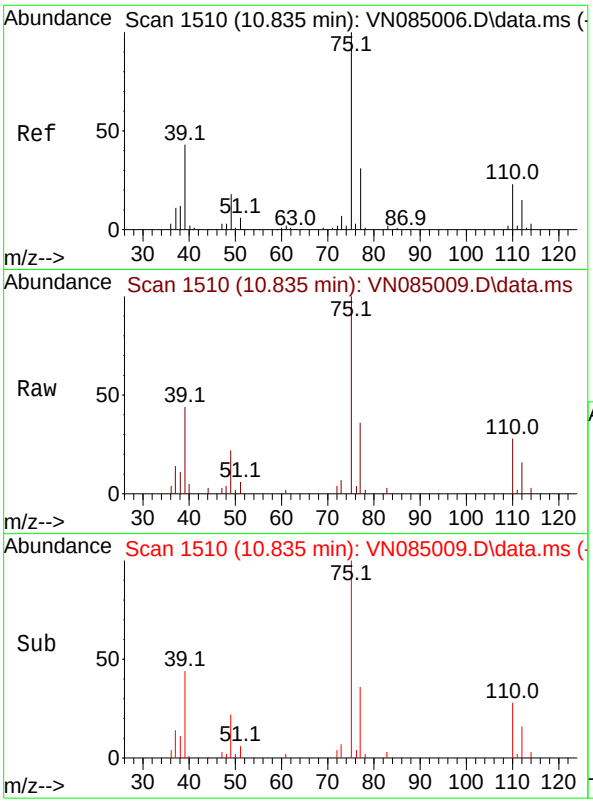


#52
Toluene
Concen: 5.022 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 92 Resp: 24051

Ion	Ratio	Lower	Upper
92	100		
91	173.6	136.7	205.1



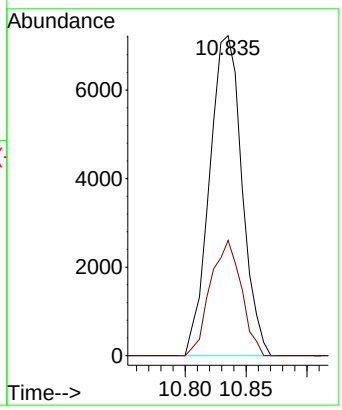


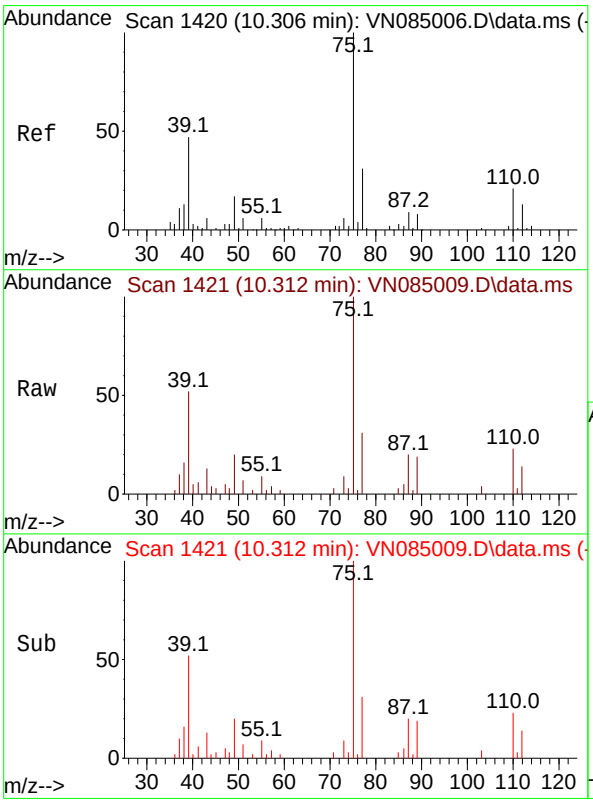
#53
t-1,3-Dichloropropene
Concen: 4.559 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 13412

Ion	Ratio	Lower	Upper
75	100		
77	36.0	25.0	37.4

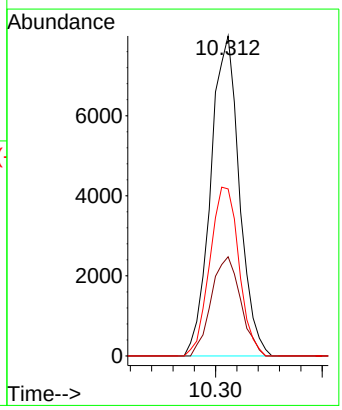


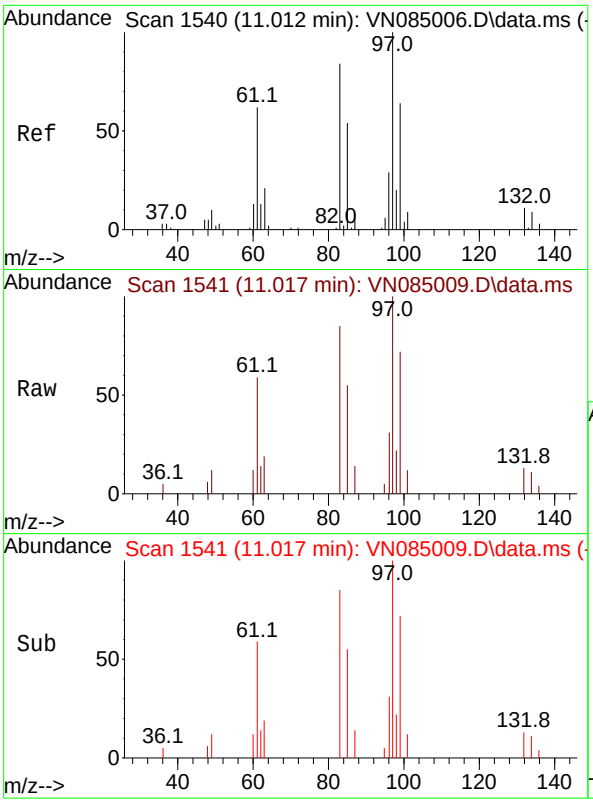


#54
cis-1,3-Dichloropropene
Concen: 4.779 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 75 Resp: 14917

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.0	37.4
39	52.2	37.6	56.4



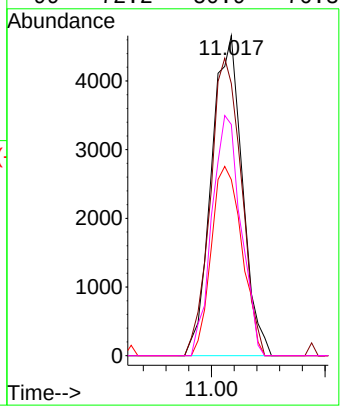


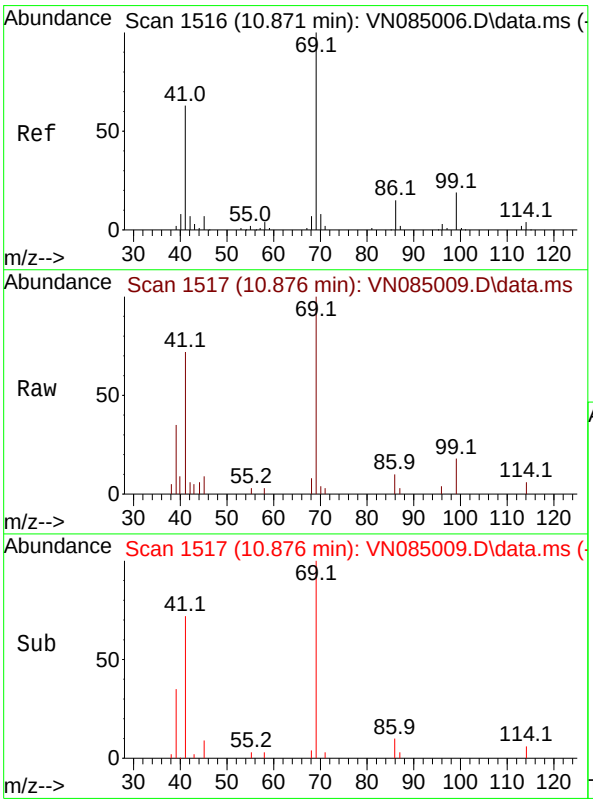
#55
1,1,2-Trichloroethane
Concen: 4.928 ug/l
RT: 11.017 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 8791

Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.4	101.2
85	55.0	43.1	64.7
99	72.2	50.9	76.3

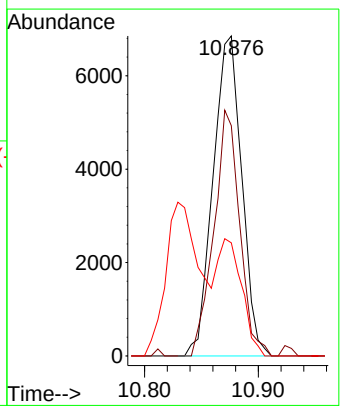


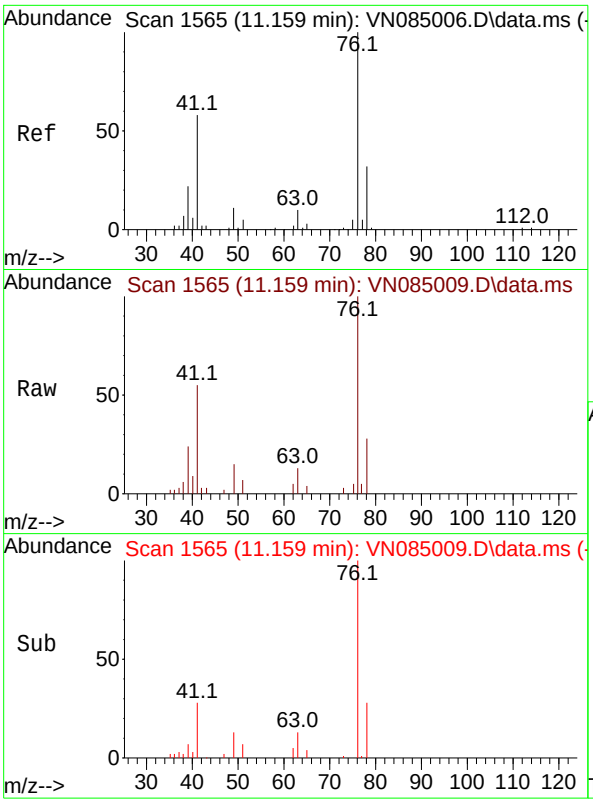


#56
Ethyl methacrylate
Concen: 4.605 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 69 Resp: 12004

Ion	Ratio	Lower	Upper
69	100		
41	69.4	50.0	75.0
39	31.3	27.0	40.6



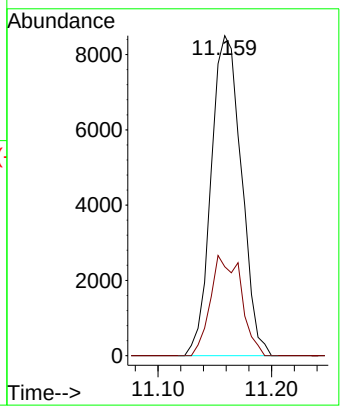


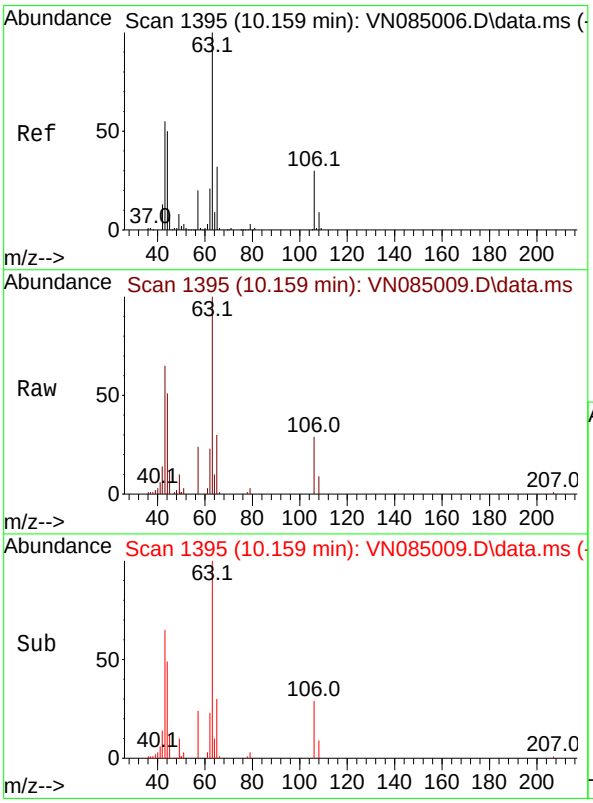
#57
1,3-Dichloropropane
Concen: 5.012 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 15736

Ion	Ratio	Lower	Upper
76	100		
78	31.7	26.1	39.1

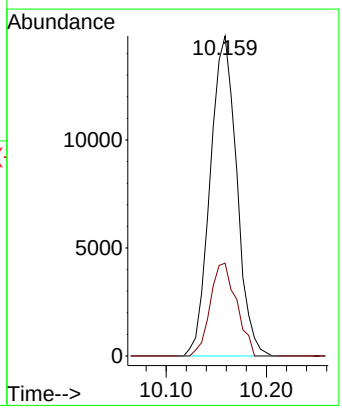


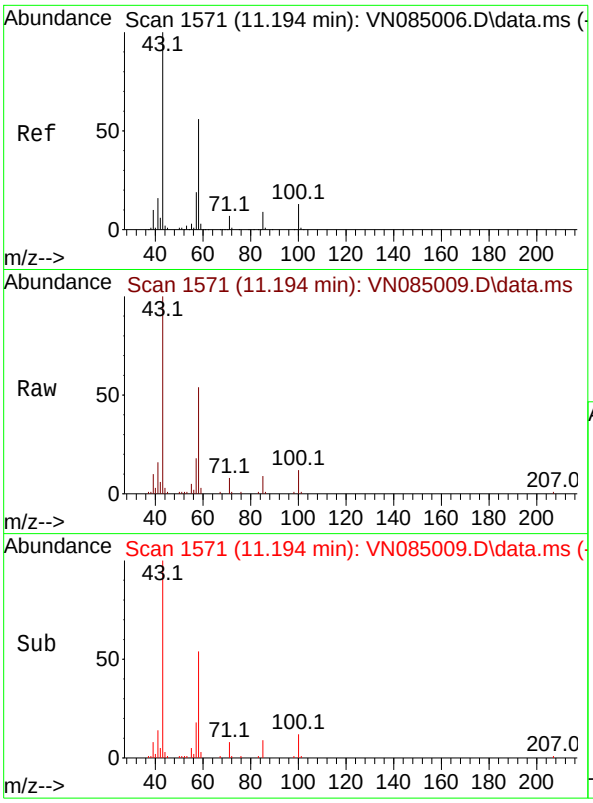


#58
2-Chloroethyl Vinyl ether
Concen: 21.254 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 63 Resp: 27177

Ion	Ratio	Lower	Upper
63	100		
106	28.8	23.0	34.6



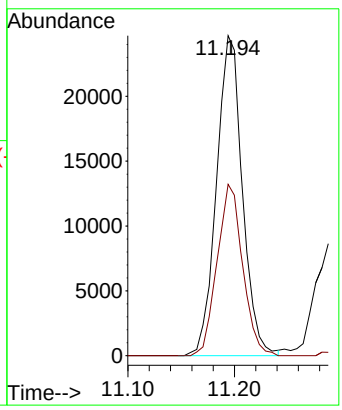


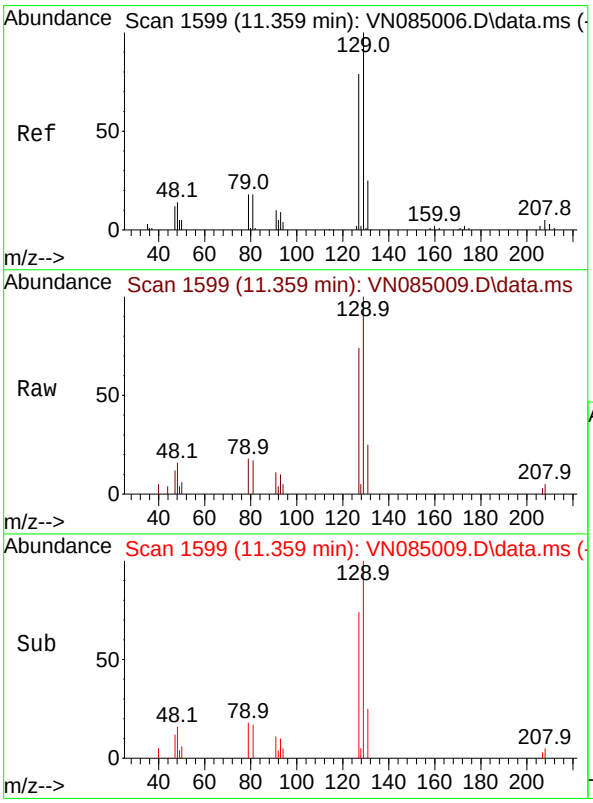
#59
2-Hexanone
Concen: 25.237 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 41641

Ion	Ratio	Lower	Upper
43	100		
58	52.8	28.3	85.0

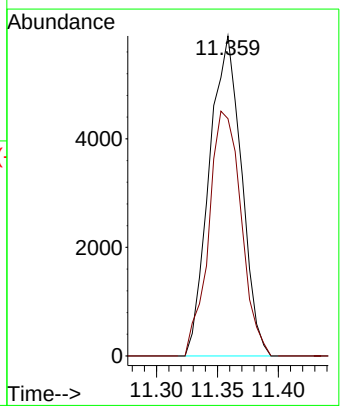


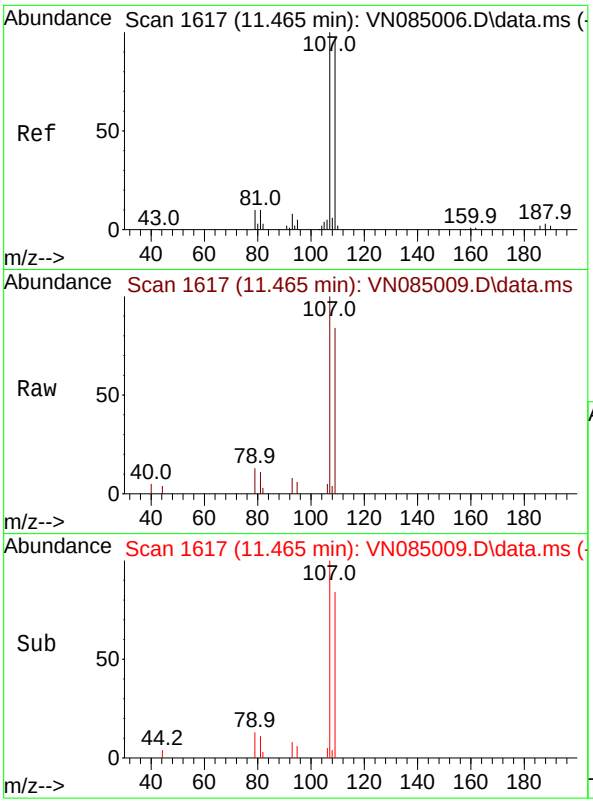


#60
Dibromochloromethane
Concen: 4.974 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:129 Resp: 10844

Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.2	117.6



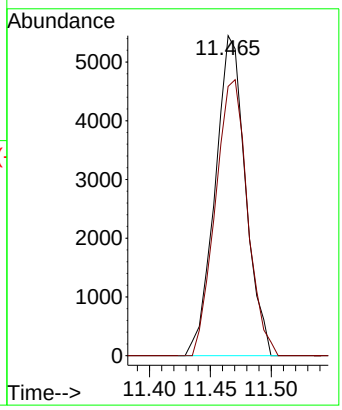


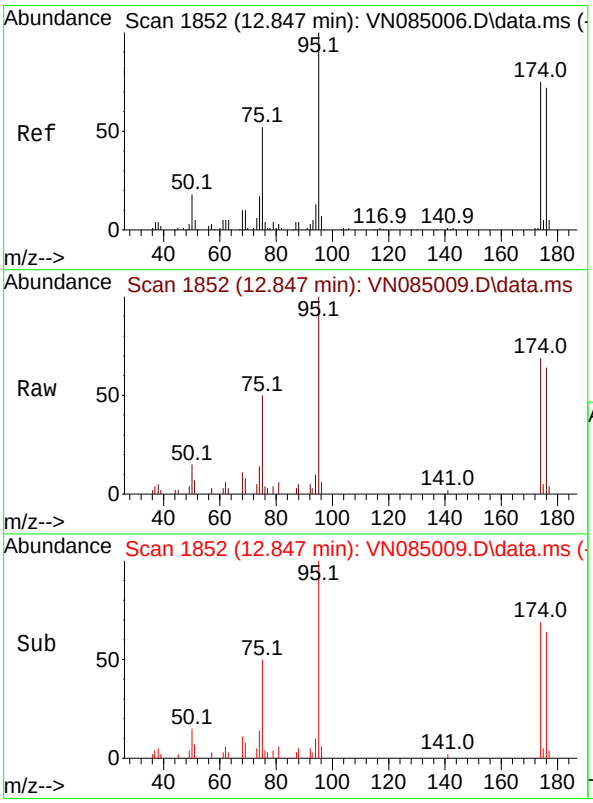
#61
1,2-Dibromoethane
Concen: 5.128 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 9468

Ion	Ratio	Lower	Upper
107	100		
109	90.8	76.1	114.1

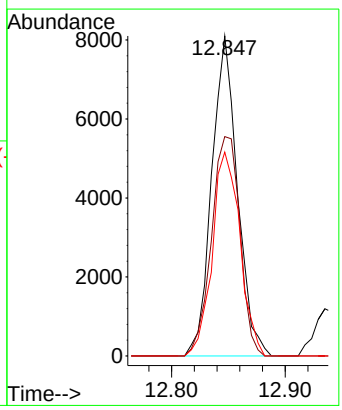


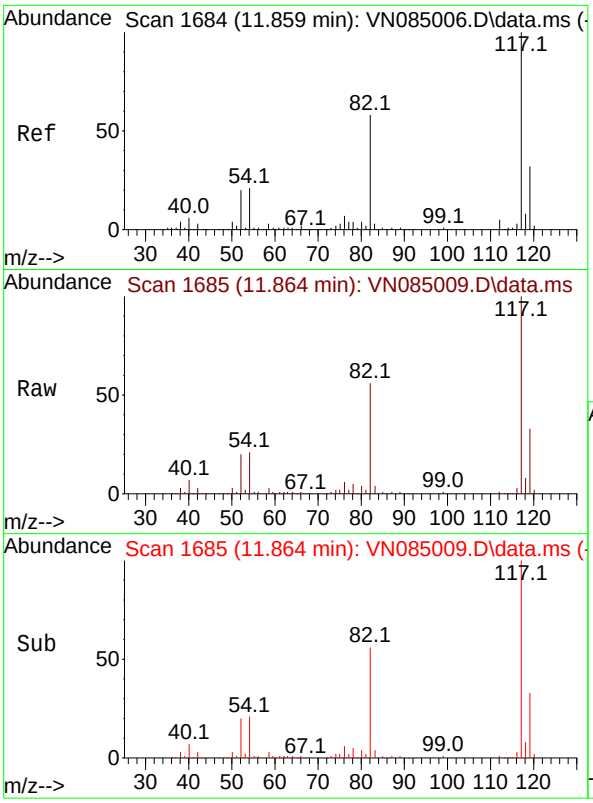


#62
4-Bromofluorobenzene
Concen: 5.024 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 95 Resp: 12715

Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	146.6
176	68.8	0.0	141.8



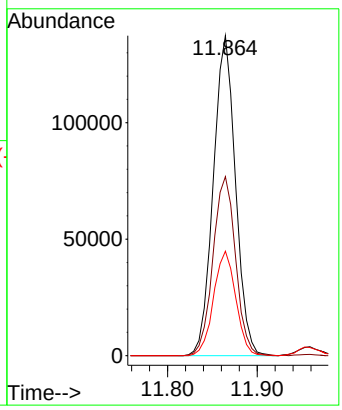


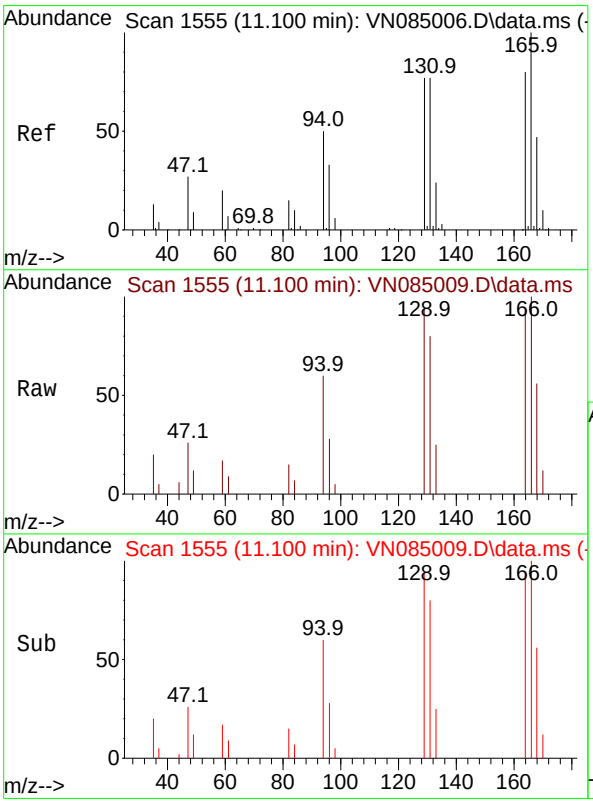
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 235767

Ion	Ratio	Lower	Upper
117	100		
82	55.9	46.0	69.0
119	32.7	25.6	38.4

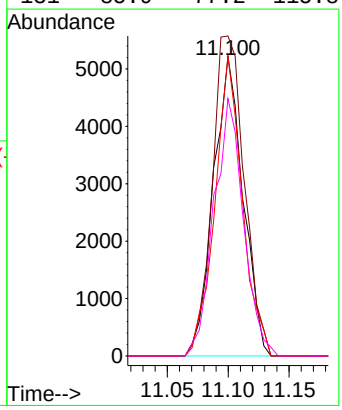


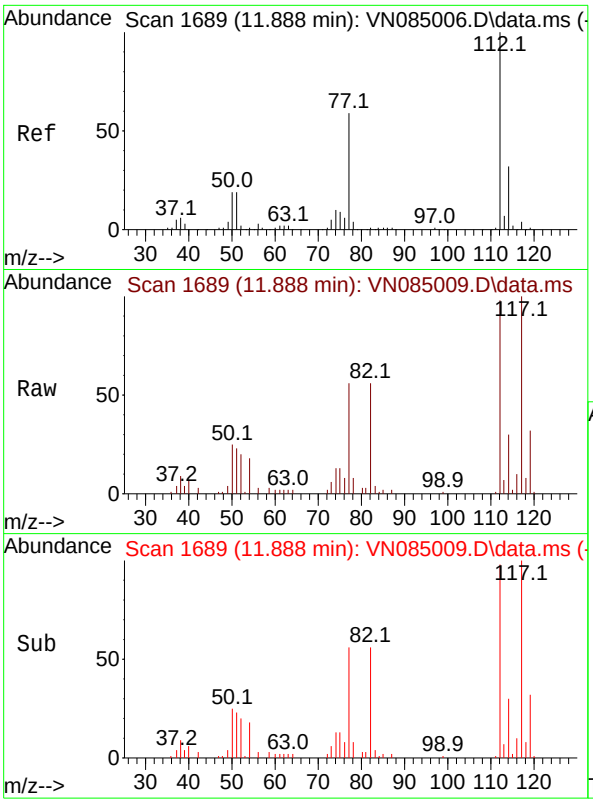


#64
Tetrachloroethene
Concen: 5.556 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:164 Resp: 8826

Ion	Ratio	Lower	Upper
164	100		
166	106.8	100.6	151.0
129	99.9	77.7	116.5
131	85.9	77.2	115.8



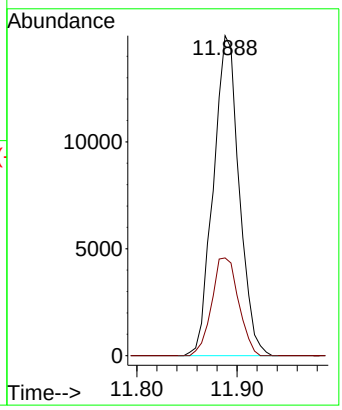


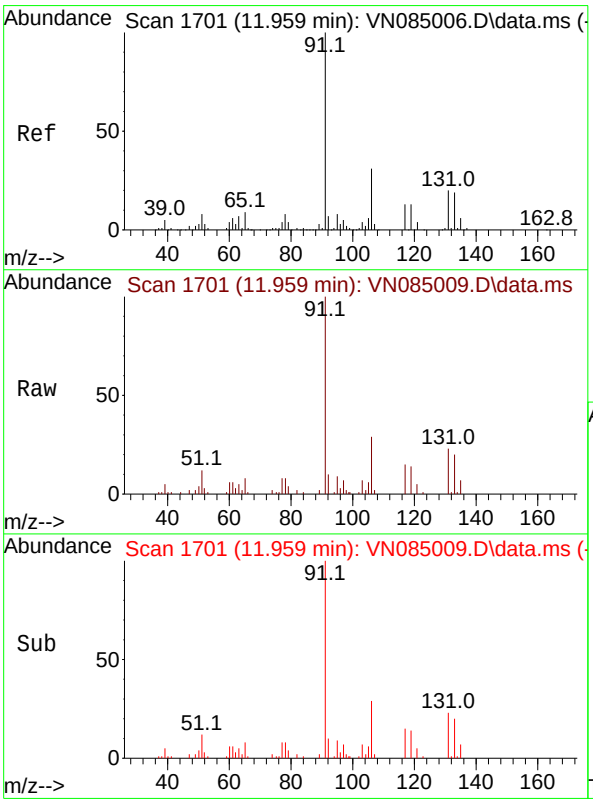
#65
Chlorobenzene
Concen: 4.997 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 26717

Ion	Ratio	Lower	Upper
112	100		
114	30.6	25.8	38.6

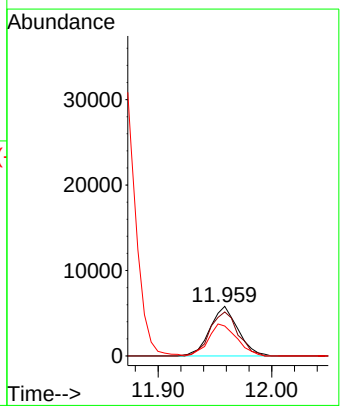


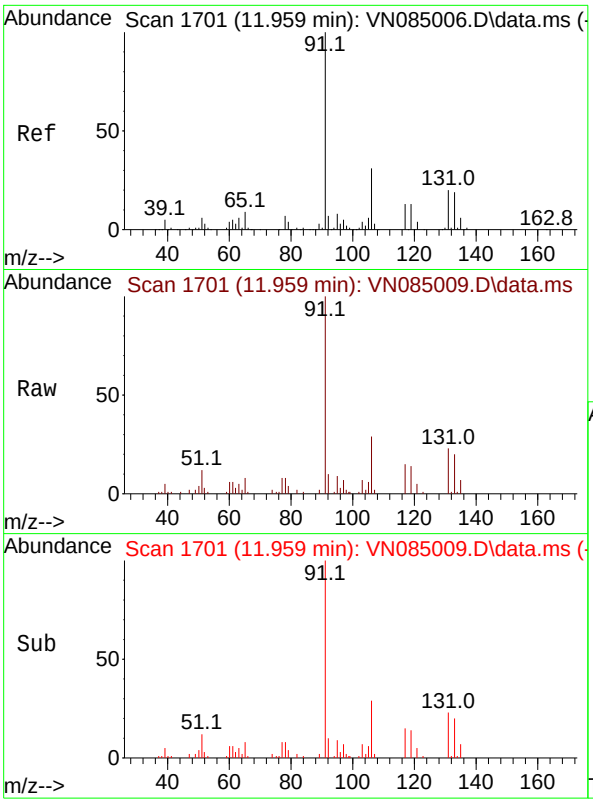


#66
1,1,1,2-Tetrachloroethane
Concen: 5.261 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:131 Resp: 9904

Ion	Ratio	Lower	Upper
131	100		
133	89.9	47.8	143.4
119	65.0	32.1	96.3



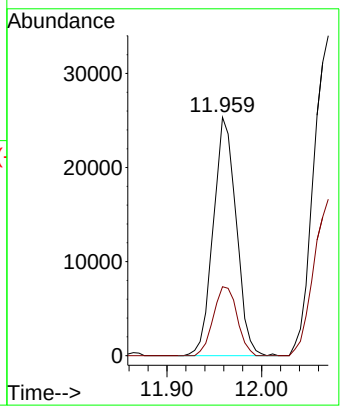


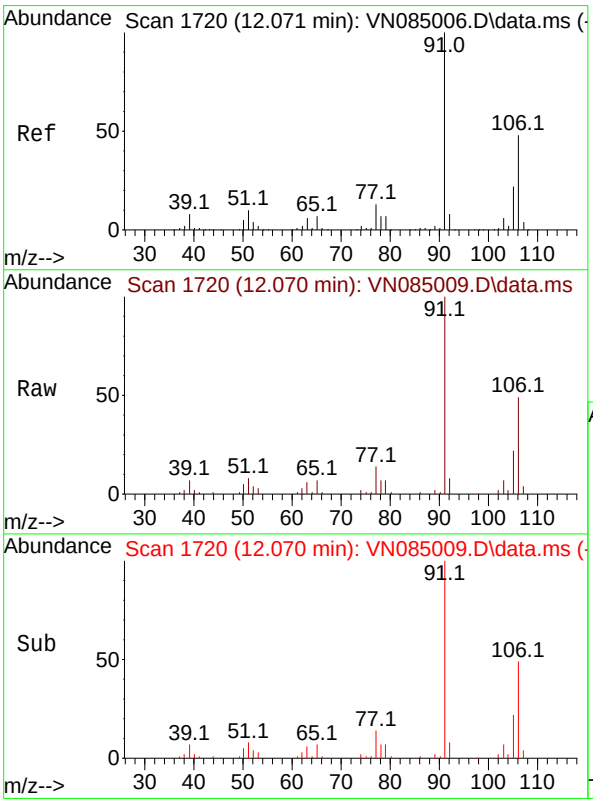
#67
Ethyl Benzene
Concen: 4.916 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 42642

Ion	Ratio	Lower	Upper
91	100		
106	28.9	24.7	37.1

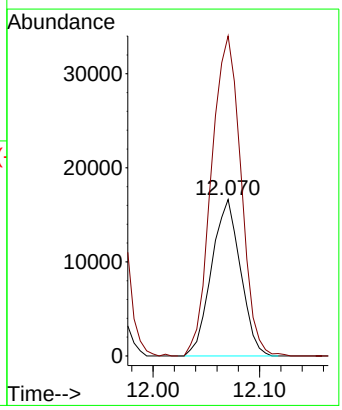


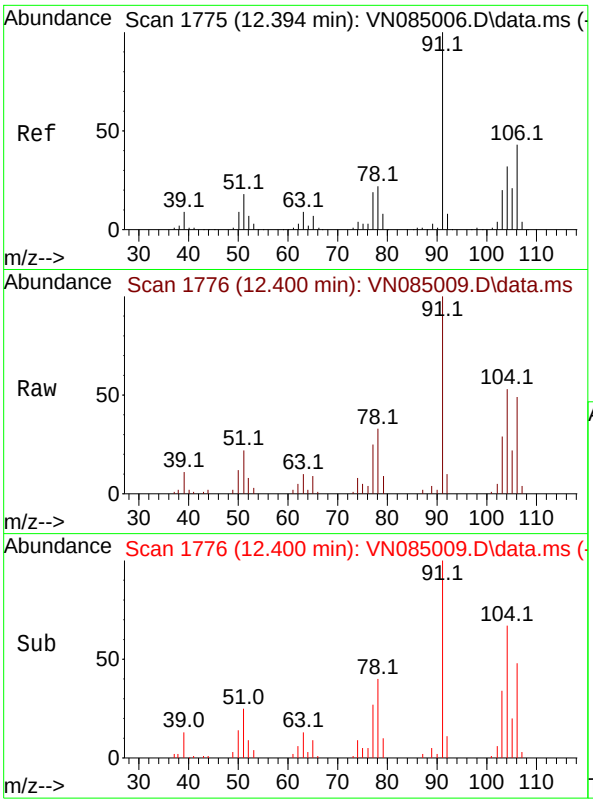


#68
m/p-Xylenes
Concen: 9.514 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:106 Resp: 31421

Ion	Ratio	Lower	Upper
106	100		
91	208.8	168.0	252.0



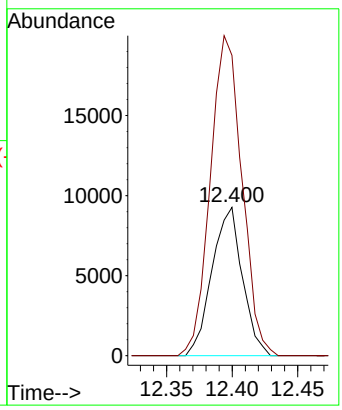


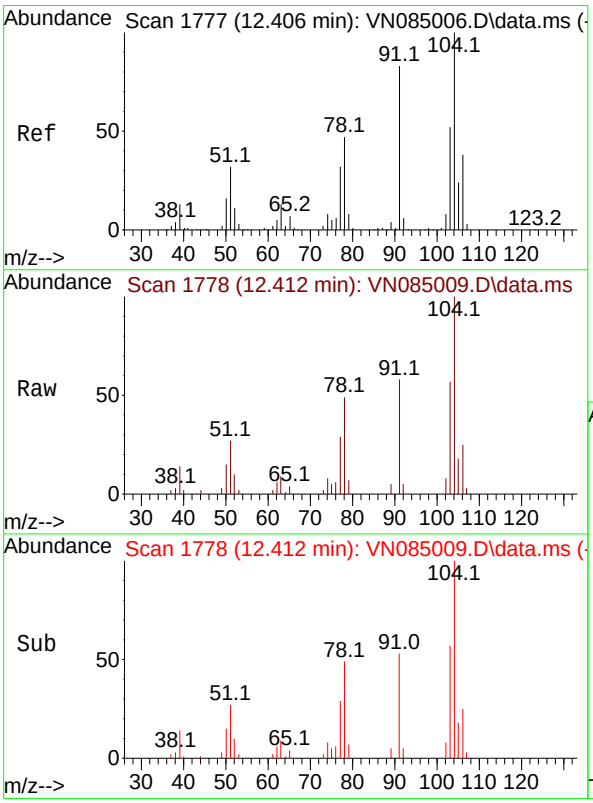
#69
o-Xylene
Concen: 4.754 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 14935

Ion	Ratio	Lower	Upper
106	100		
91	224.5	110.7	331.9

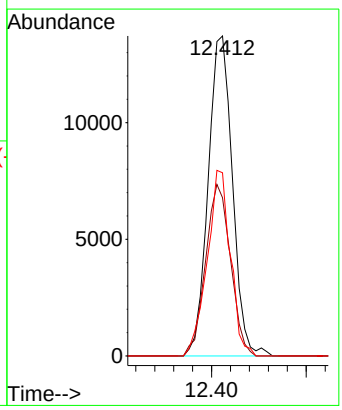


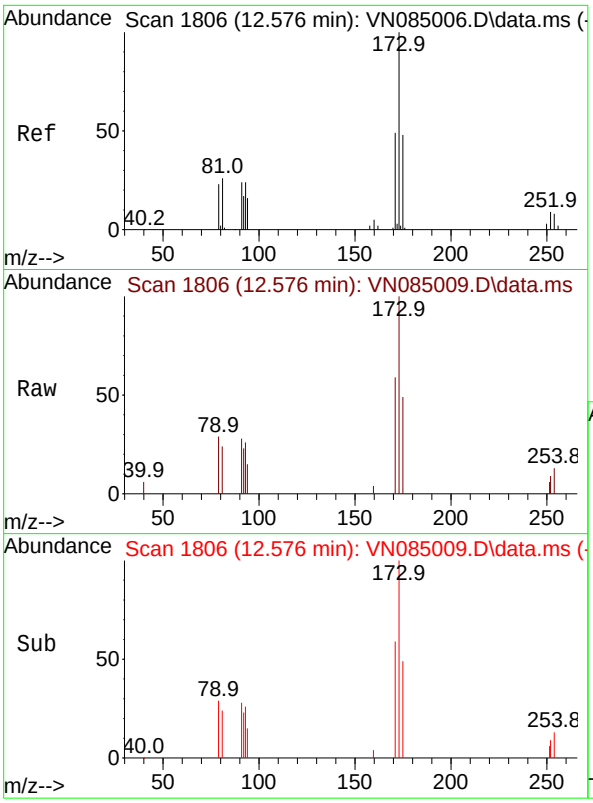


#70
Styrene
Concen: 4.686 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:104 Resp: 24480

Ion	Ratio	Lower	Upper
104	100		
78	54.8	42.3	63.5
103	55.3	44.2	66.2



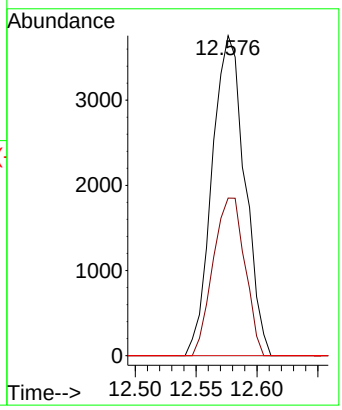


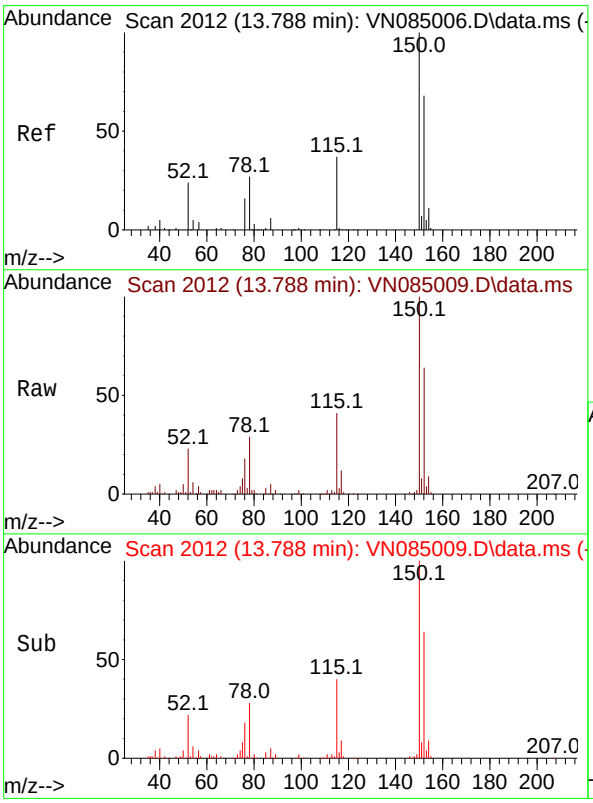
#71
Bromoform
Concen: 5.038 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 7040

Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.8	71.2
254	0.0	0.0	0.0

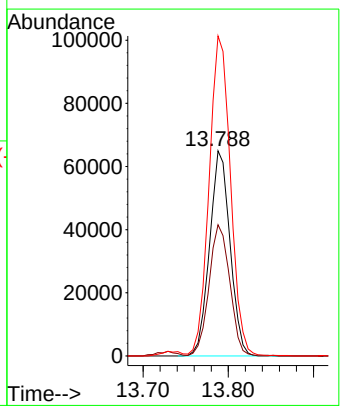


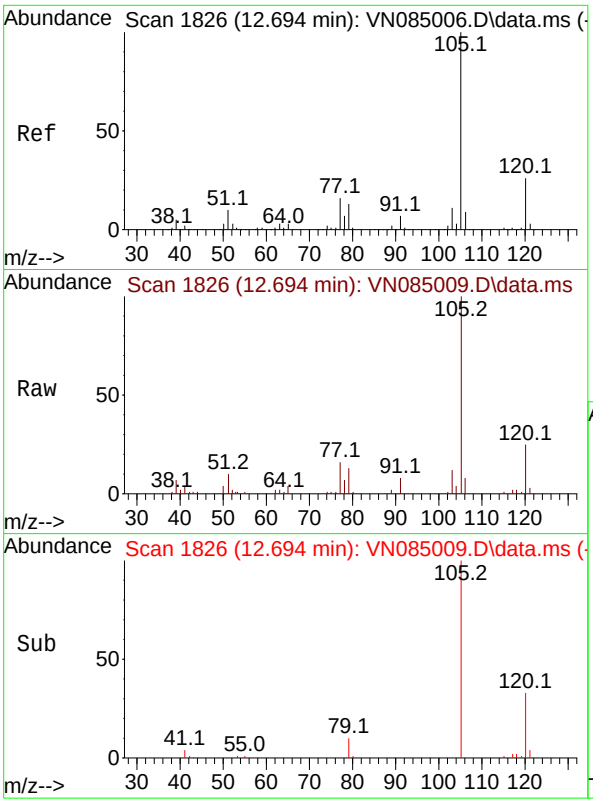


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:152 Resp: 108389

Ion	Ratio	Lower	Upper
152	100		
115	64.7	31.7	95.1
150	162.8	0.0	351.4



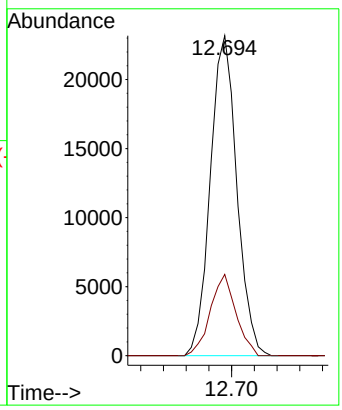


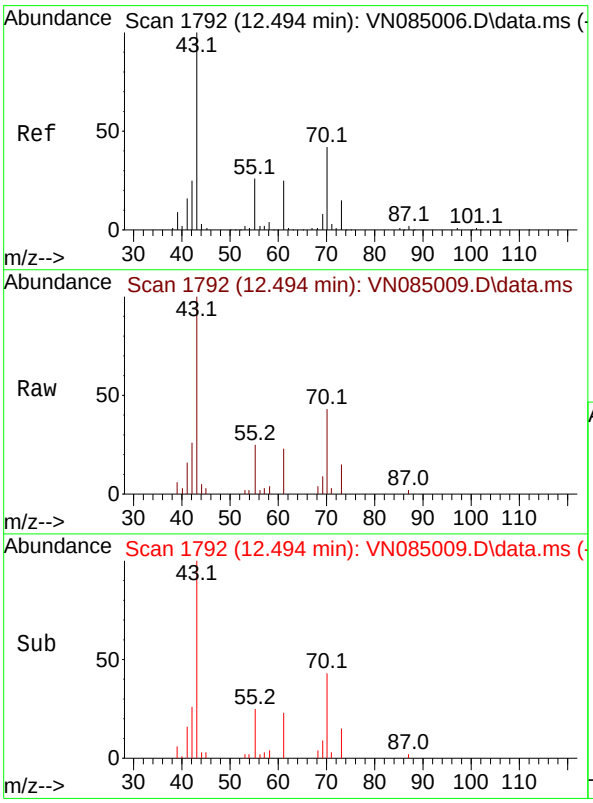
#73
Isopropylbenzene
Concen: 4.910 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 37544

Ion	Ratio	Lower	Upper
105	100		
120	24.6	13.0	39.0

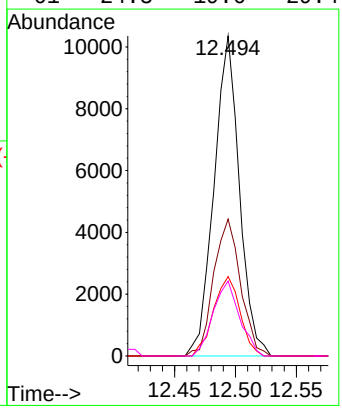


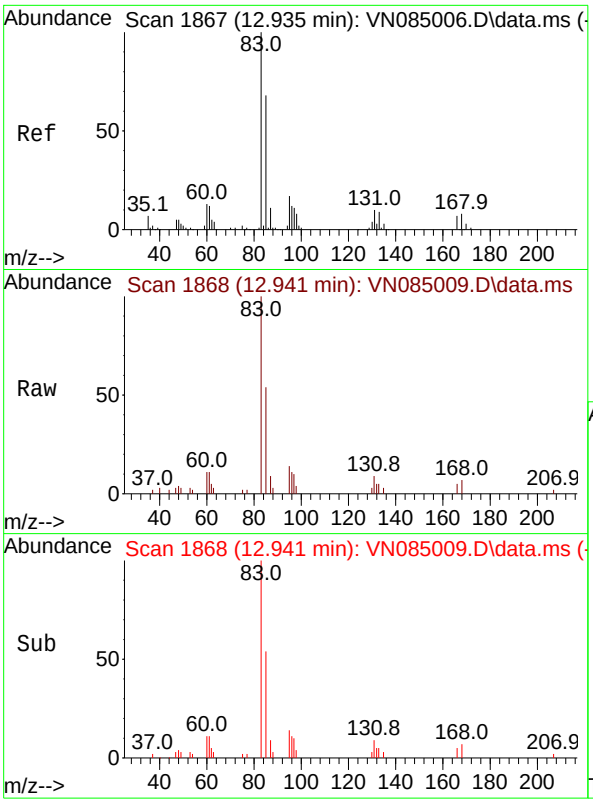


#74
N-amyl acetate
Concen: 4.759 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 43 Resp: 14995

Ion	Ratio	Lower	Upper
43	100		
70	45.3	34.6	51.8
55	26.0	20.5	30.7
61	24.3	19.6	29.4



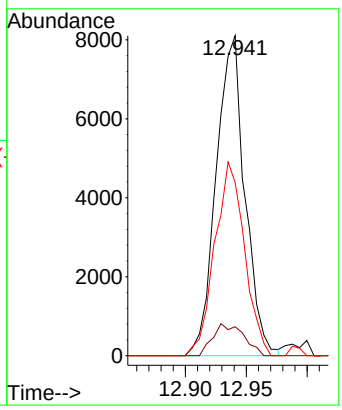


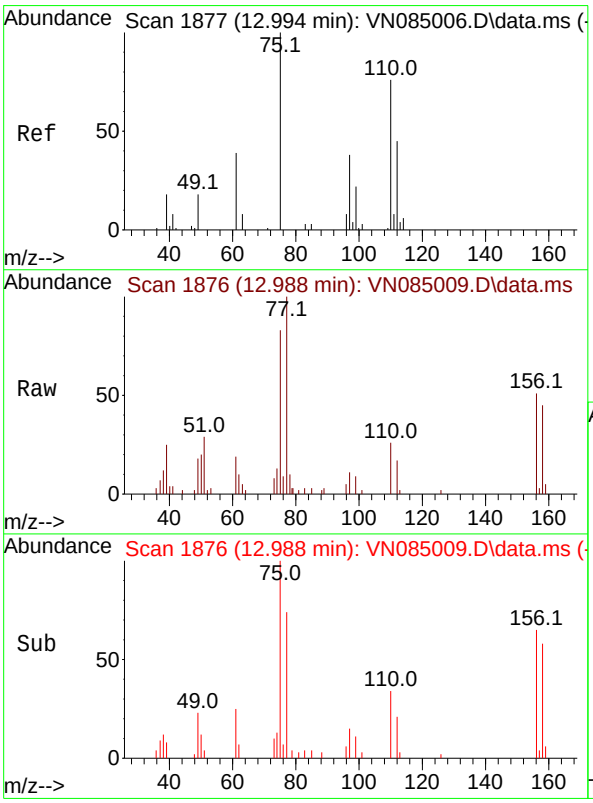
#75
1,1,2,2-Tetrachloroethane
Concen: 5.109 ug/l
RT: 12.941 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 13341

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.1	15.4
85	62.6	32.1	96.3

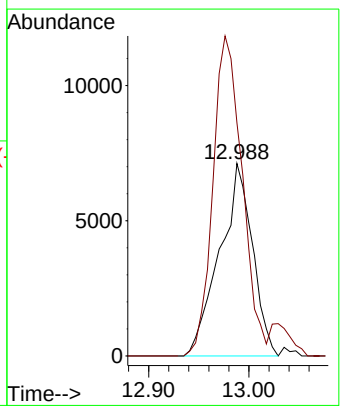


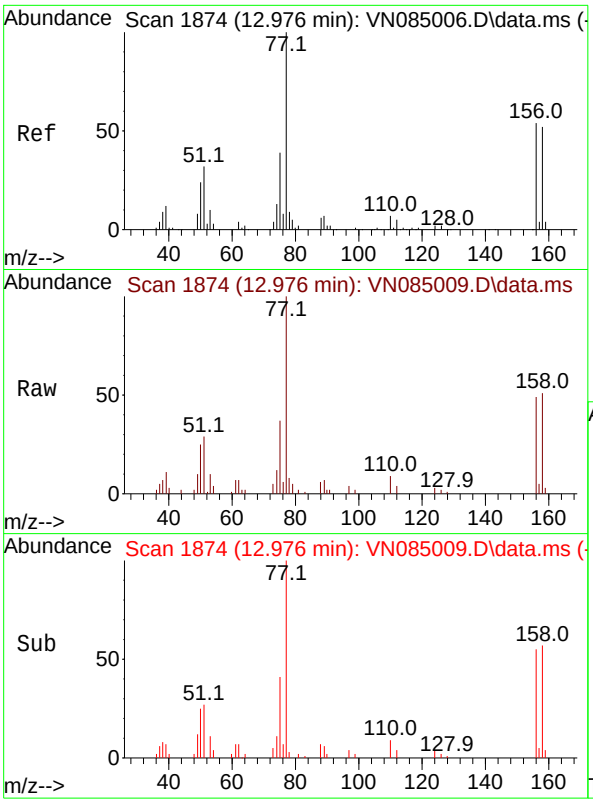


#76
1,2,3-Trichloropropane
Concen: 7.966 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 75 Resp: 16152

Ion	Ratio	Lower	Upper
75	100		
77	148.5	109.1	327.4



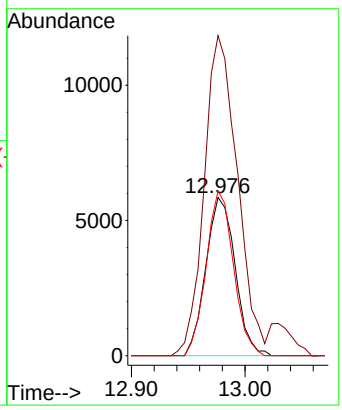


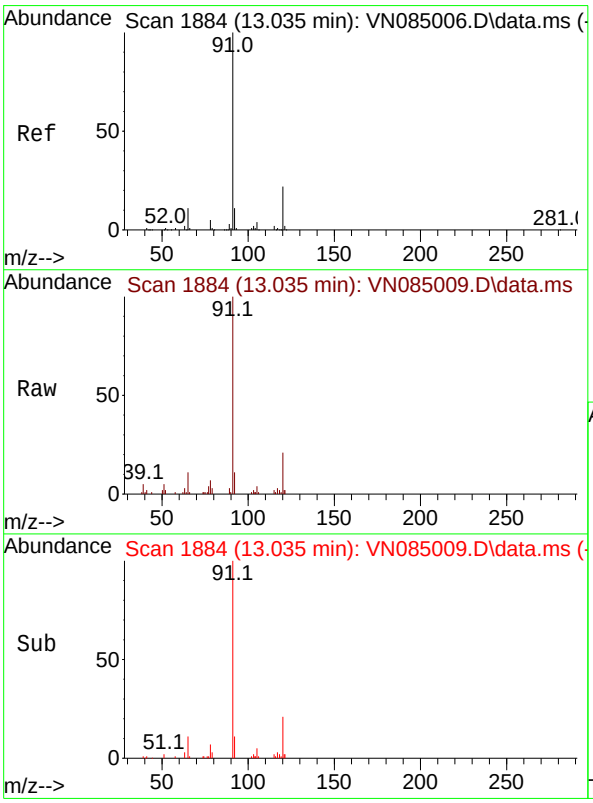
#77
Bromobenzene
Concen: 5.095 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 10485

Ion	Ratio	Lower	Upper
156	100		
77	228.7	107.2	321.6
158	97.2	48.5	145.6

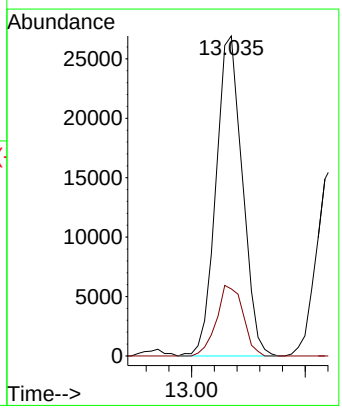


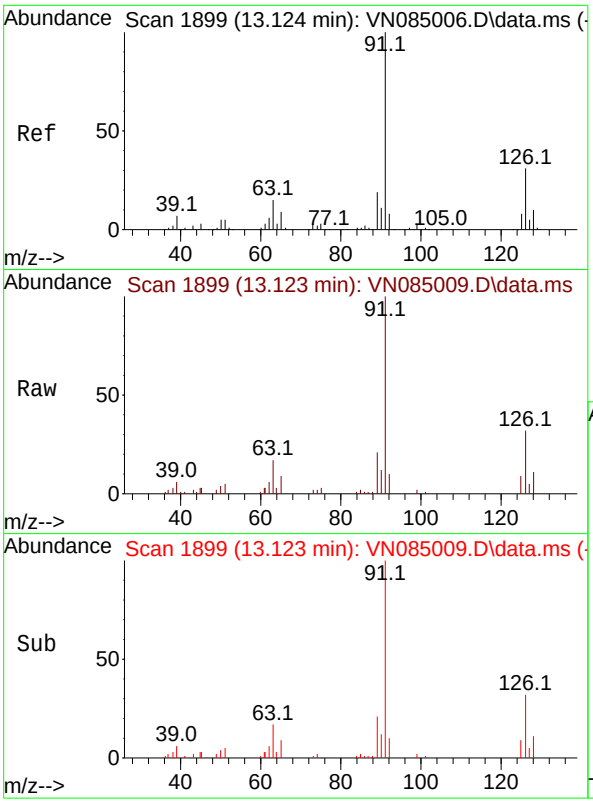


#78
n-propylbenzene
Concen: 4.931 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 91 Resp: 43493

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.3	33.9



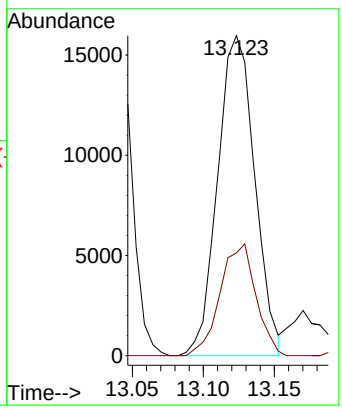


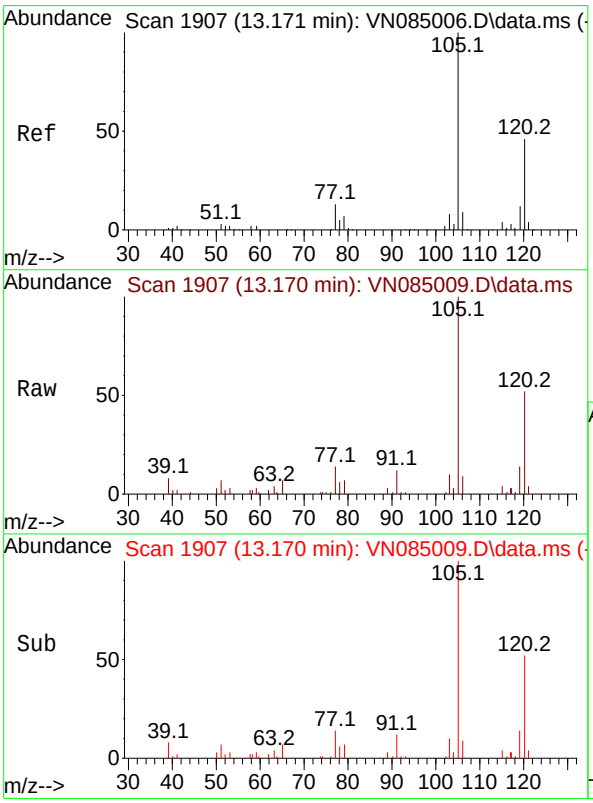
#79
2-Chlorotoluene
Concen: 4.932 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 29037

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.1	48.3

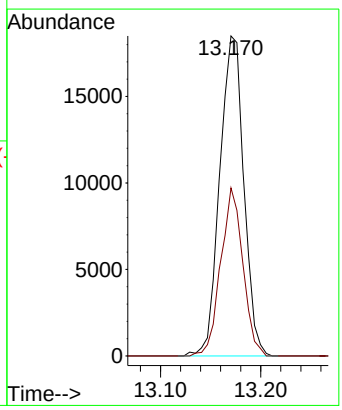


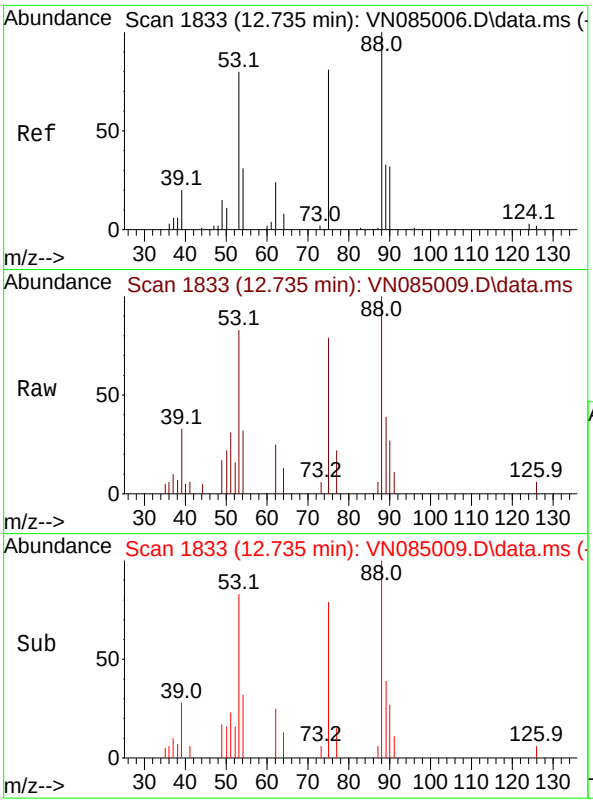


#80
1,3,5-Trimethylbenzene
Concen: 4.802 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:105 Resp: 30809

Ion	Ratio	Lower	Upper
105	100		
120	48.4	23.6	71.0



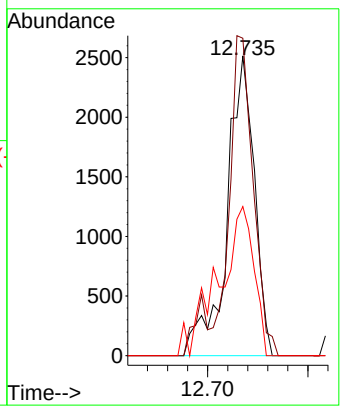


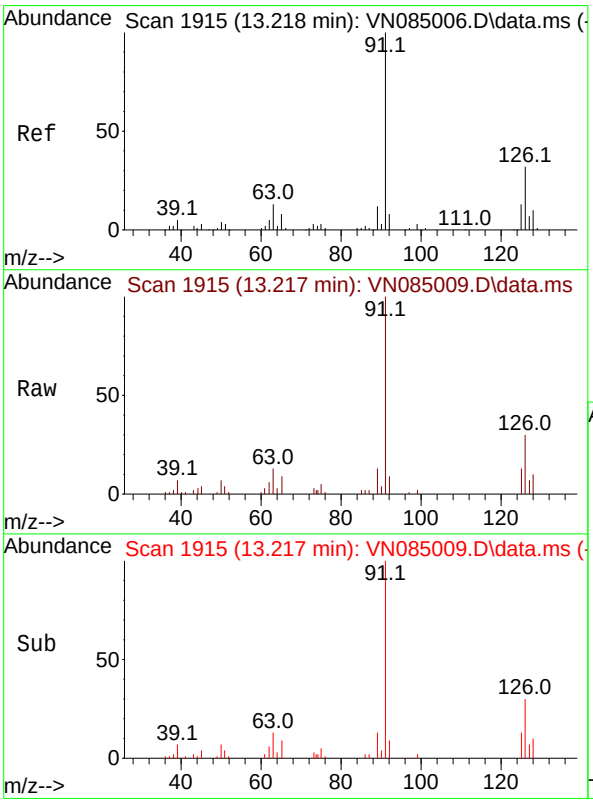
#81
trans-1,4-Dichloro-2-butene
Concen: 5.502 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 4774

Ion	Ratio	Lower	Upper
75	100		
53	92.4	78.2	117.4
89	64.5	37.9	56.9#

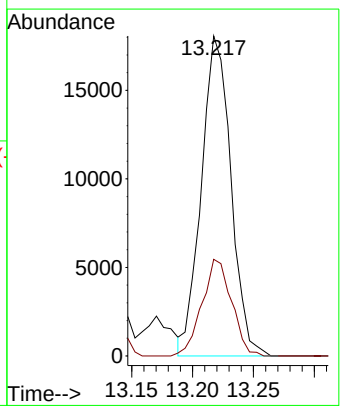


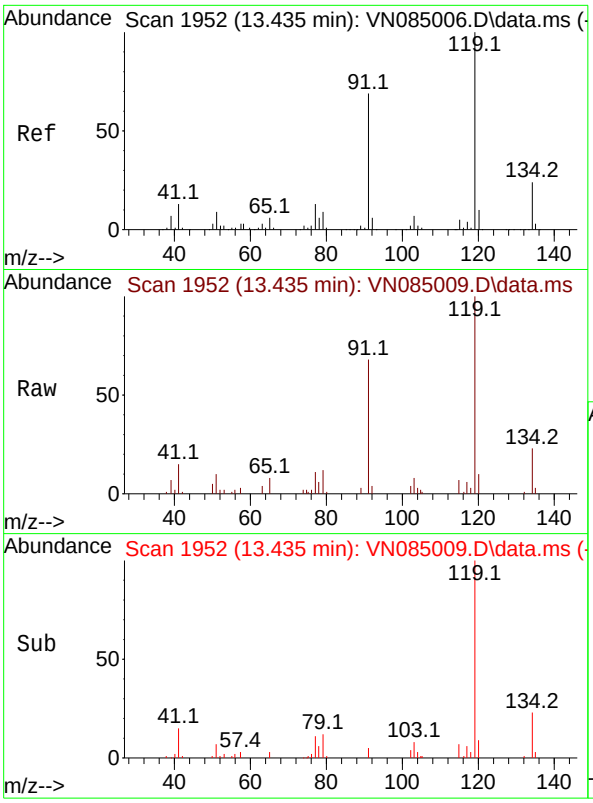


#82
4-Chlorotoluene
Concen: 4.986 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 91 Resp: 30558

Ion	Ratio	Lower	Upper
91	100		
126	30.2	16.1	48.3



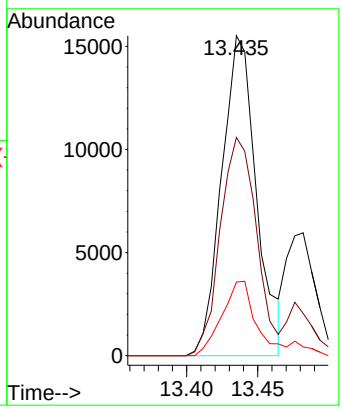


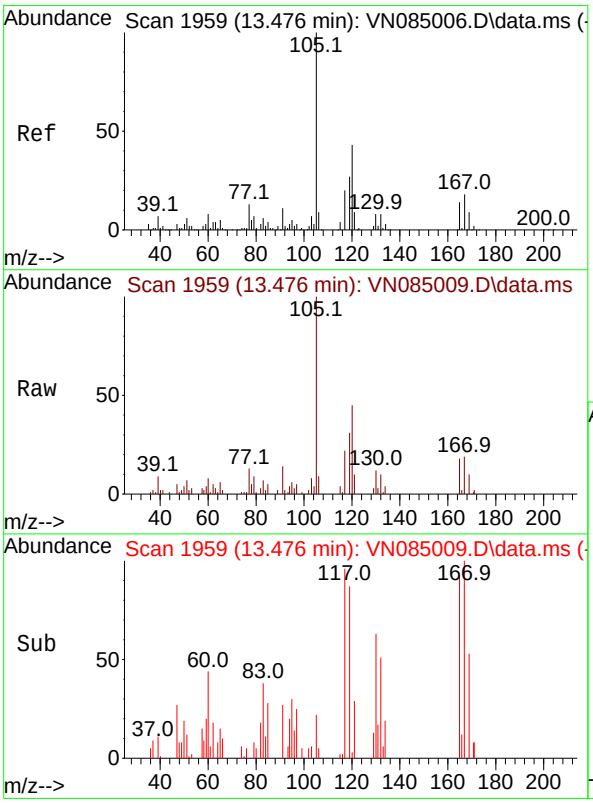
#83
tert-Butylbenzene
Concen: 4.797 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 26485

Ion	Ratio	Lower	Upper
119	100		
91	71.1	35.1	105.5
134	22.9	12.1	36.3

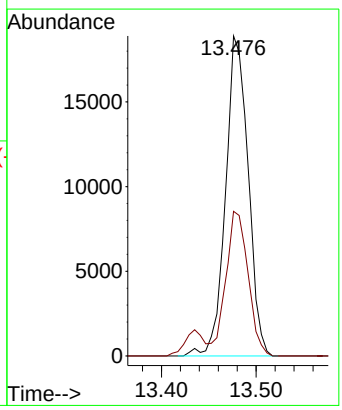


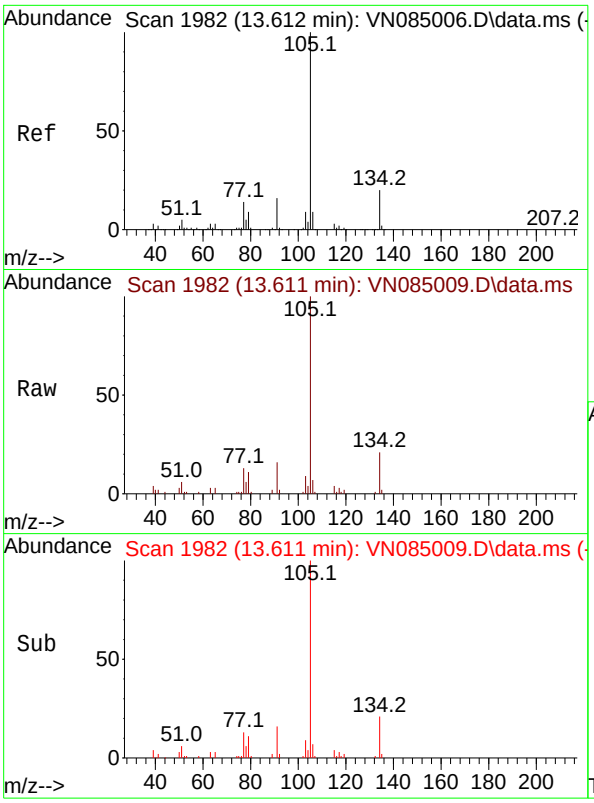


#84
1,2,4-Trimethylbenzene
Concen: 4.743 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:105 Resp: 31328

Ion	Ratio	Lower	Upper
105	100		
120	45.0	21.8	65.4



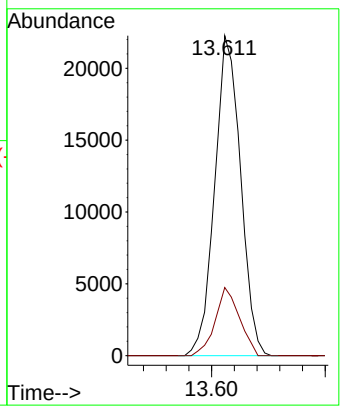


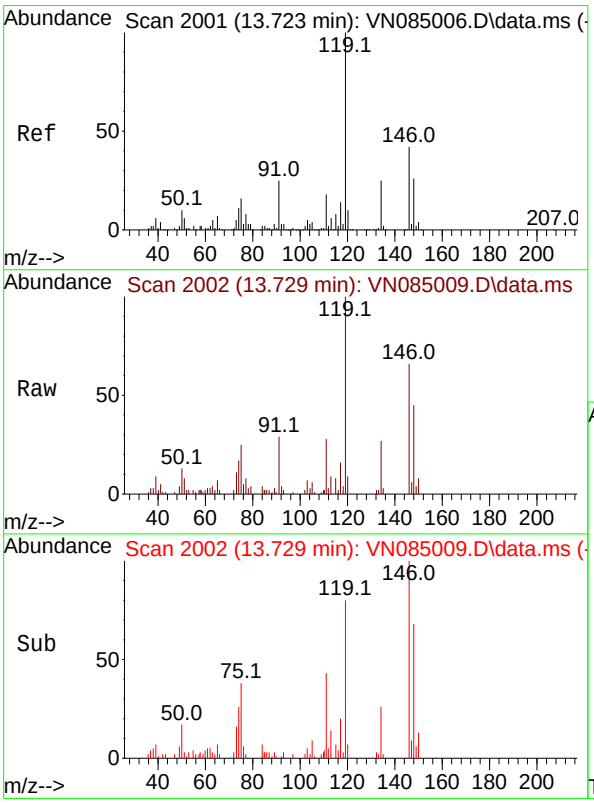
#85
sec-Butylbenzene
Concen: 4.718 ug/l
RT: 13.611 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 35183

Ion	Ratio	Lower	Upper
105	100		
134	20.0	9.8	29.3

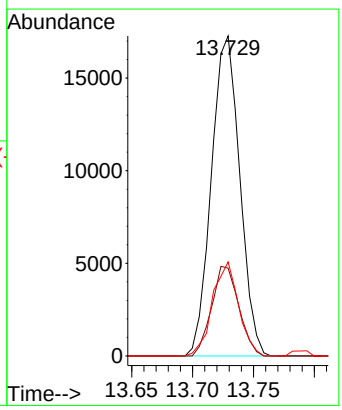


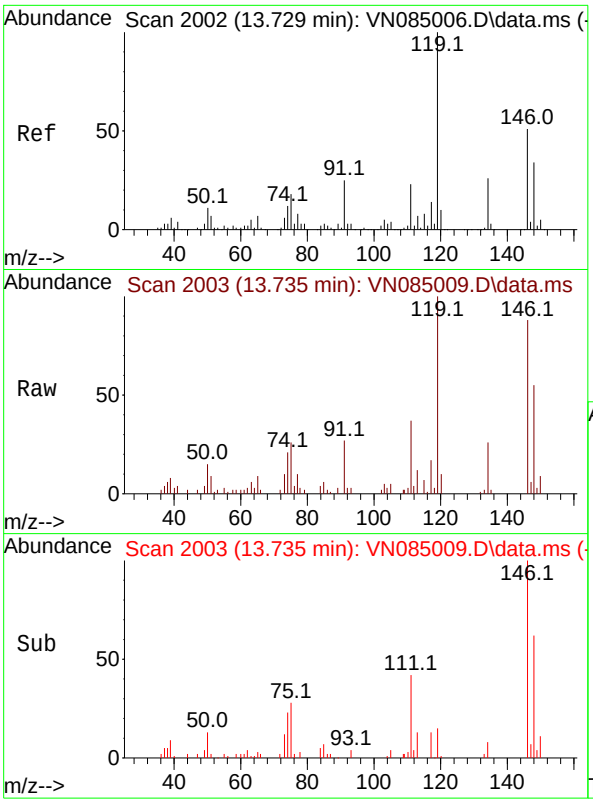


#86
p-Isopropyltoluene
Concen: 4.551 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:119 Resp: 28019

Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.0	39.0
91	27.0	12.8	38.4



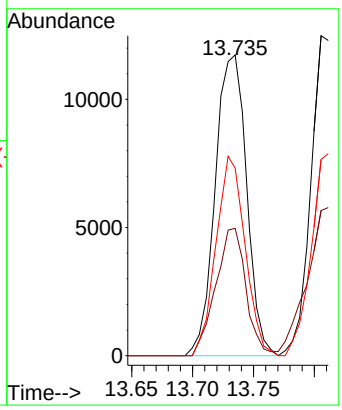


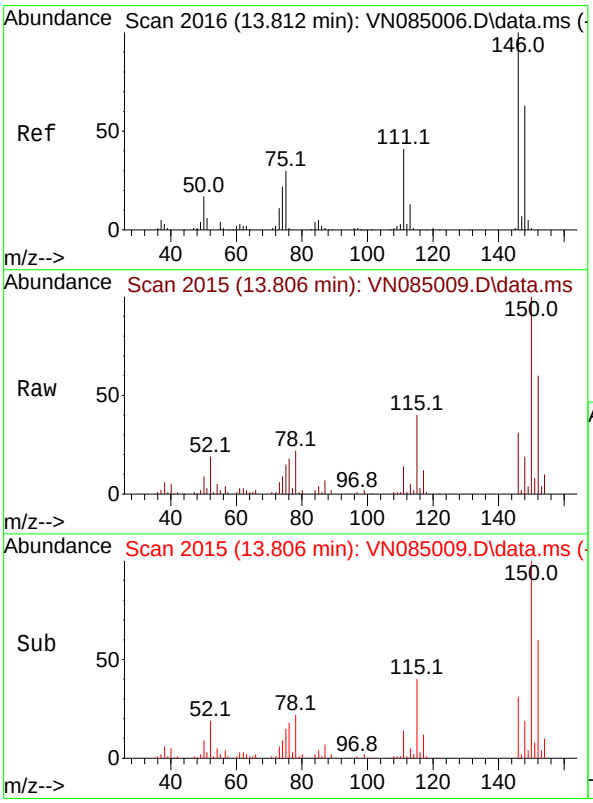
#87
1,3-Dichlorobenzene
Concen: 5.185 ug/l
RT: 13.735 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 21043

Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.6	65.0
148	61.6	32.2	96.6

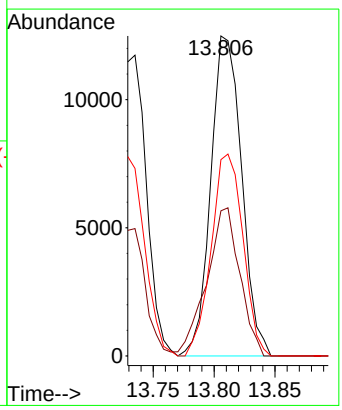


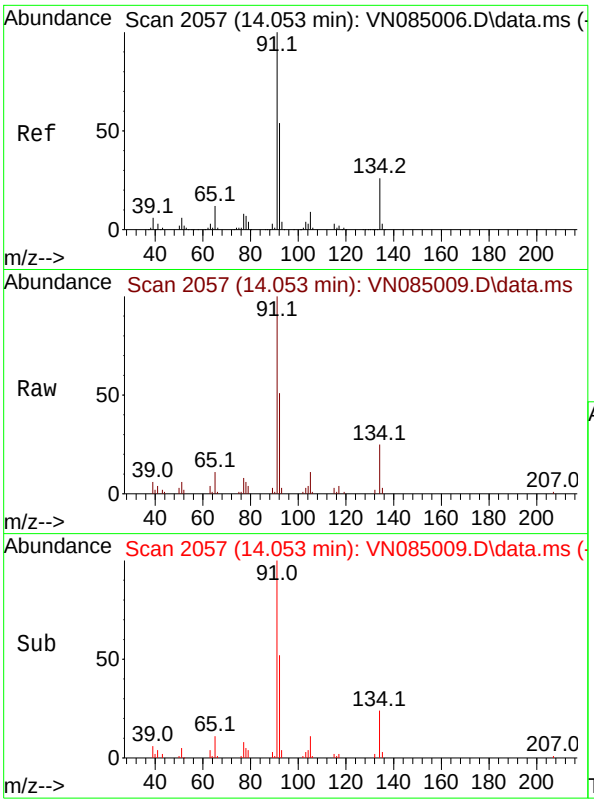


#88
1,4-Dichlorobenzene
Concen: 5.322 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:146 Resp: 22041

Ion	Ratio	Lower	Upper
146	100		
111	49.8	20.9	62.8
148	65.0	31.3	93.9



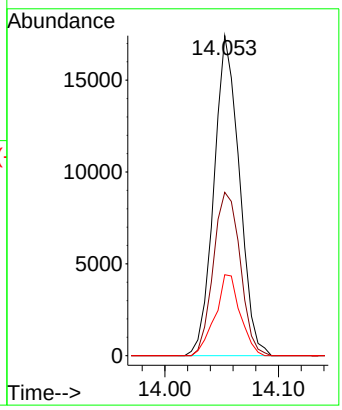


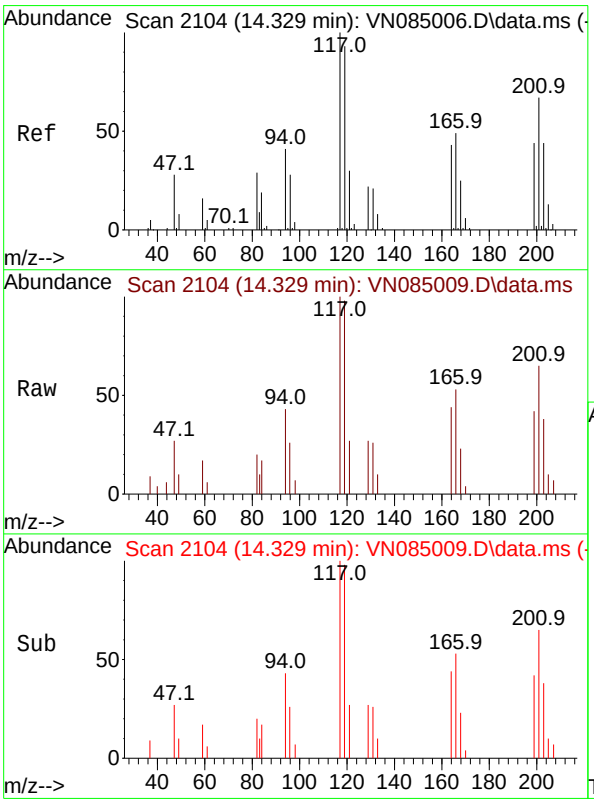
#89
n-Butylbenzene
Concen: 4.732 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 27093

Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.8	80.3
134	24.9	12.8	38.4

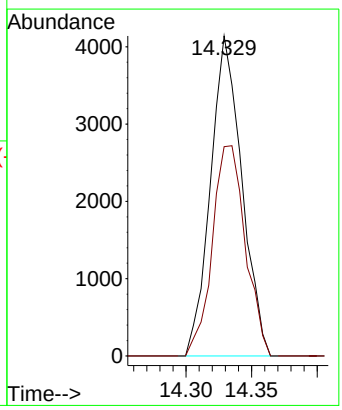


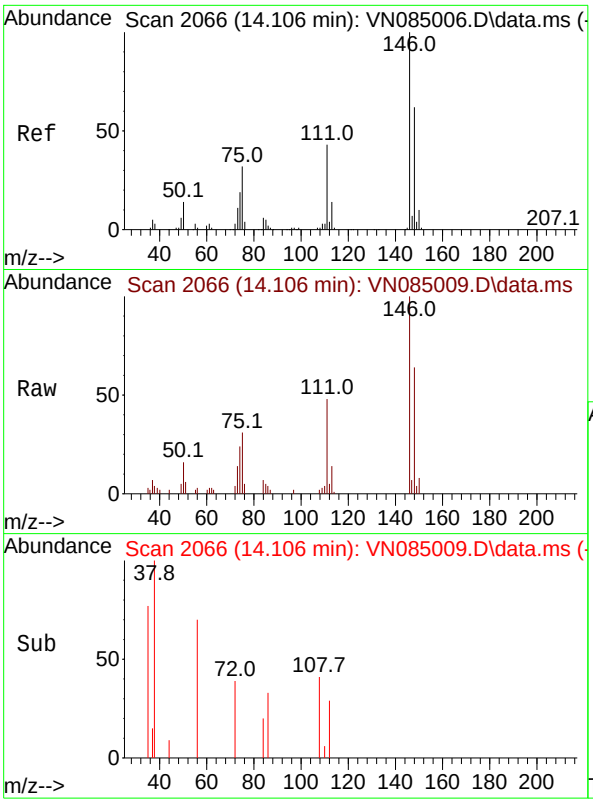


#90
Hexachloroethane
Concen: 5.119 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:117 Resp: 6869

Ion	Ratio	Lower	Upper
117	100		
201	69.4	35.2	105.6



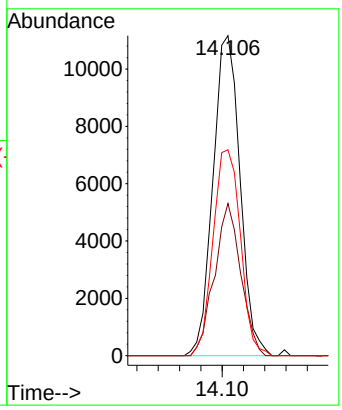


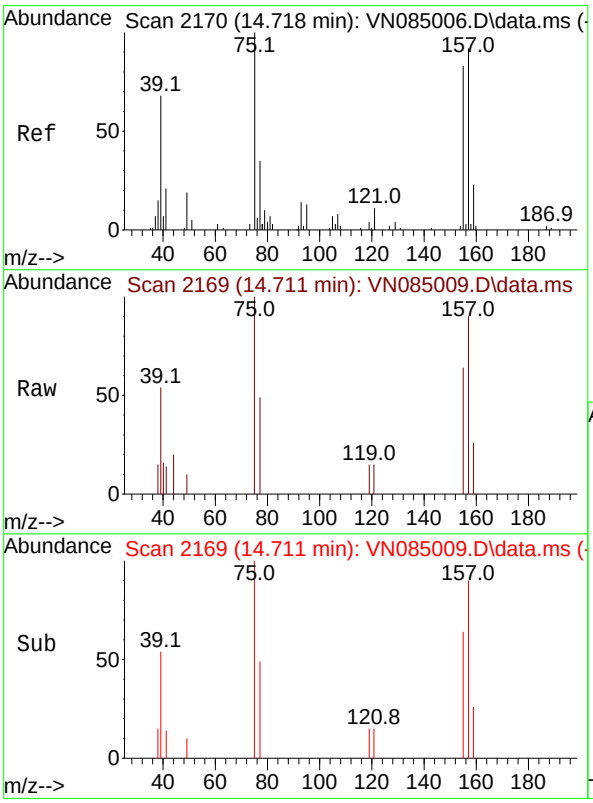
#91
1,2-Dichlorobenzene
Concen: 5.058 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 19670

Ion	Ratio	Lower	Upper
146	100		
111	46.4	21.9	65.8
148	65.1	31.1	93.2

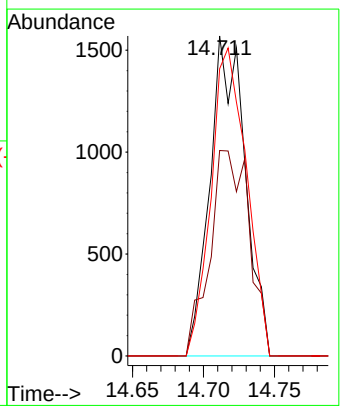


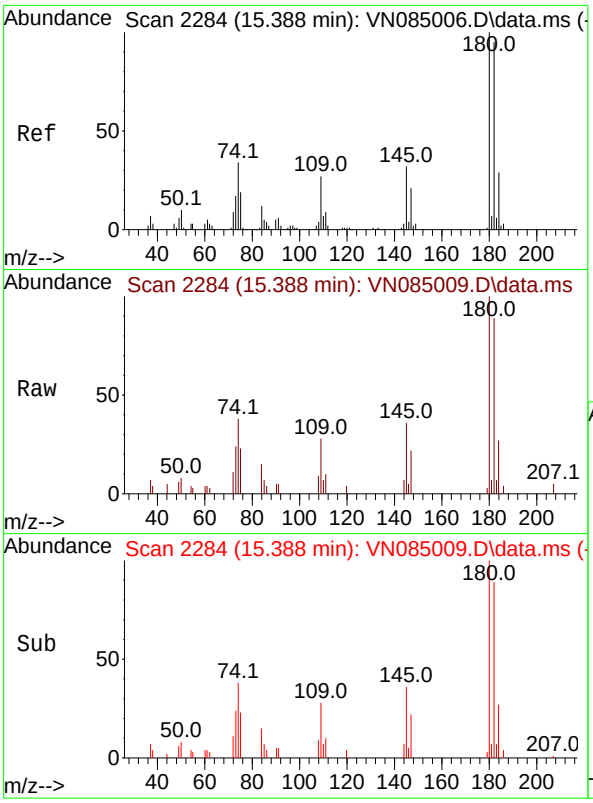


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.353 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 75 Resp: 2703

Ion	Ratio	Lower	Upper
75	100		
155	71.9	38.9	116.7
157	97.4	48.3	144.9



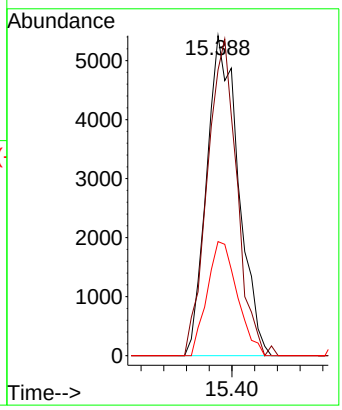


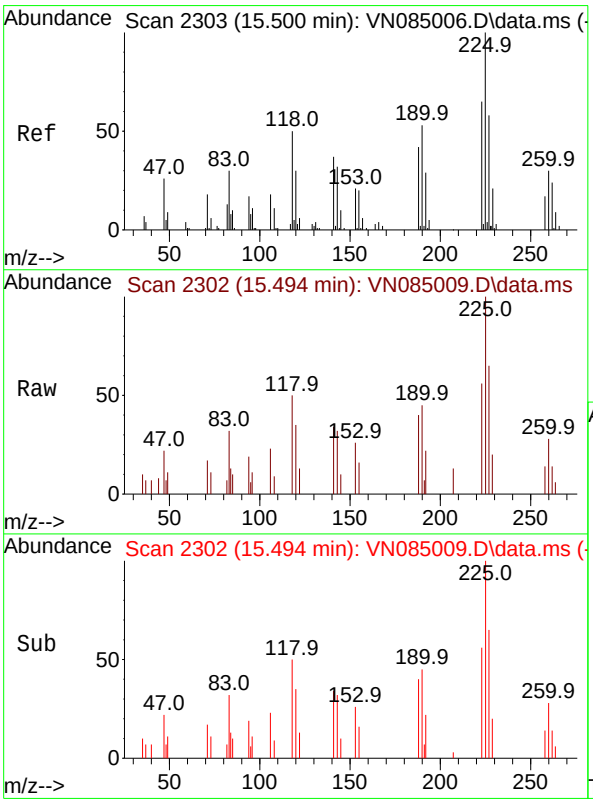
#93
1,2,4-Trichlorobenzene
Concen: 4.992 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 10547

Ion	Ratio	Lower	Upper
180	100		
182	92.0	46.9	140.8
145	33.7	16.3	48.8

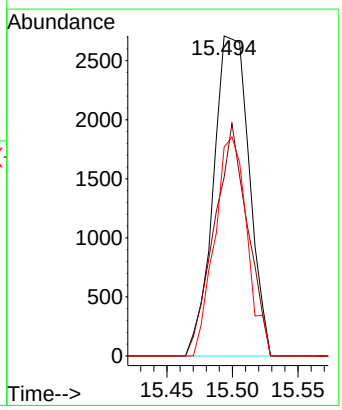


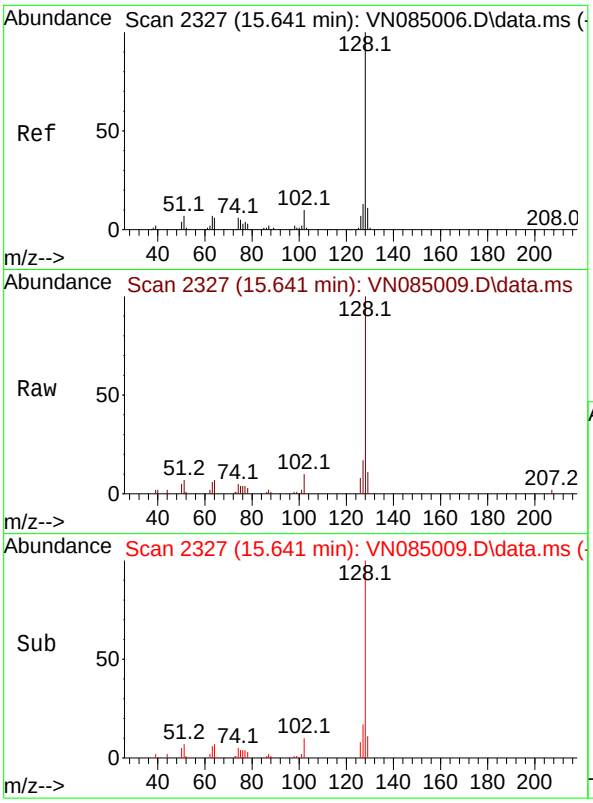


#94
Hexachlorobutadiene
Concen: 5.272 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:225 Resp: 5141

Ion	Ratio	Lower	Upper
225	100		
223	67.7	30.9	92.8
227	62.0	31.5	94.5



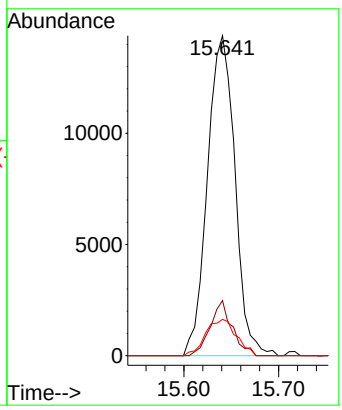


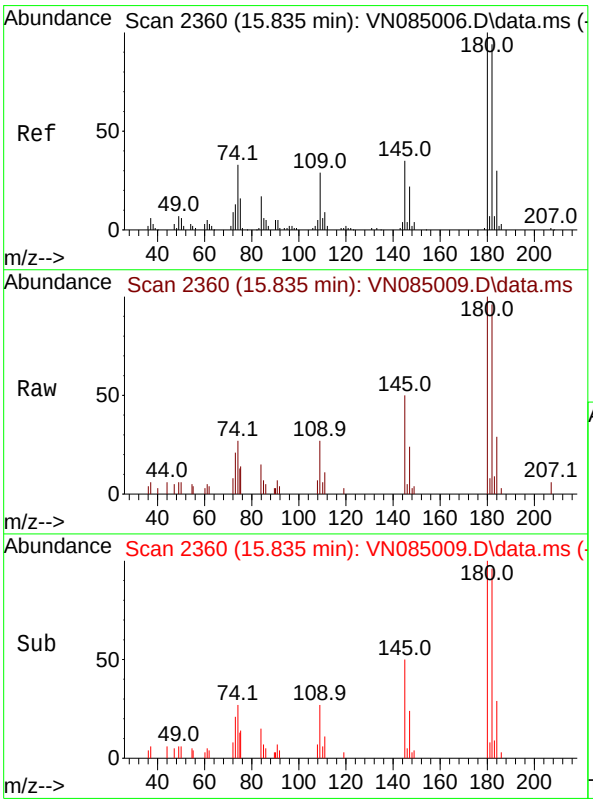
#95
Naphthalene
Concen: 4.832 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 29077

Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	16.0
129	12.6	8.6	12.8

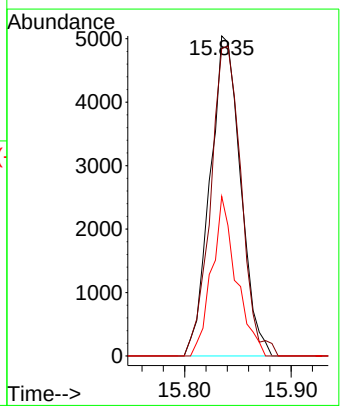




#96
1,2,3-Trichlorobenzene
Concen: 4.981 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:180 Resp: 10042

Ion	Ratio	Lower	Upper
180	100		
182	96.9	46.4	139.2
145	40.1	17.3	52.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085010.D
Acq On : 22 Nov 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Nov 23 02:01:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	142307	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	255159	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	210265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	88784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	2374	1.171	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	2.340%#		
35) Dibromofluoromethane	8.165	113	1949	1.133	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	2.260%#		
50) Toluene-d8	10.565	98	6206	1.006	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	2.020%#		
62) 4-Bromofluorobenzene	12.847	95	2351	1.019	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	2.040%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	1589	0.987	ug/l	91
3) Chloromethane	2.359	50	2580	1.382	ug/l #	86
4) Vinyl Chloride	2.518	62	1730	1.031	ug/l #	81
5) Bromomethane	2.900	94	1231	1.309	ug/l #	62
6) Chloroethane	3.077	64	2258	1.997	ug/l #	81
7) Trichlorofluoromethane	3.453	101	2950	1.034	ug/l	99
8) Diethyl Ether	3.953	74	898	0.925	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.365	101	1031	0.637	ug/l #	78
10) Methyl Iodide	4.565	142	1019	0.476	ug/l #	81
11) Tert butyl alcohol	5.541	59	962	3.551	ug/l #	75
12) 1,1-Dichloroethene	4.324	96	1511	1.000	ug/l #	61
13) Acrolein	4.189	56	1041	5.759	ug/l #	78
14) Allyl chloride	5.012	41	2663	1.046	ug/l	98
15) Acrylonitrile	5.718	53	4314	5.625	ug/l #	75
16) Acetone	4.442	43	2973	5.036	ug/l #	69
17) Carbon Disulfide	4.694	76	5206	1.168	ug/l #	84
18) Methyl Acetate	5.018	43	1793	Below Cal		99
19) Methyl tert-butyl Ether	5.789	73	2724	0.552	ug/l	96
20) Methylene Chloride	5.271	84	1379	0.765	ug/l #	78
21) trans-1,2-Dichloroethene	5.783	96	1624	1.022	ug/l	95
22) Diisopropyl ether	6.665	45	5194	1.014	ug/l	96
23) Vinyl Acetate	6.600	43	16519	4.672	ug/l	99
24) 1,1-Dichloroethane	6.559	63	3177	1.036	ug/l #	83
25) 2-Butanone	7.477	43	5363	5.556	ug/l #	89
26) 2,2-Dichloropropane	7.494	77	3083	1.077	ug/l	86
27) cis-1,2-Dichloroethene	7.477	96	2074	1.082	ug/l	88
28) Bromochloromethane	7.806	49	1248	1.078	ug/l #	94
29) Tetrahydrofuran	7.835	42	3038	5.061	ug/l	90
30) Chloroform	7.959	83	3824	1.172	ug/l	97
31) Cyclohexane	8.218	56	2861	1.060	ug/l #	1
32) 1,1,1-Trichloroethane	8.165	97	3231	1.096	ug/l #	48
36) 1,1-Dichloropropene	8.365	75	2304	0.989	ug/l #	87
37) Ethyl Acetate	7.547	43	2101	0.992	ug/l #	67
38) Carbon Tetrachloride	8.359	117	2554	0.949	ug/l	92
39) Methylcyclohexane	9.600	83	1948	0.804	ug/l	89
40) Benzene	8.600	78	7459	1.012	ug/l #	83

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085010.D
Acq On : 22 Nov 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Nov 23 02:01:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	1263	1.077 ug/l #	70
42) 1,2-Dichloroethane	8.671	62	2512	0.996 ug/l	81
43) Isopropyl Acetate	8.688	43	8014	1.821 ug/l #	77
44) Trichloroethene	9.347	130	1685	0.984 ug/l	74
45) 1,2-Dichloropropane	9.618	63	1911	1.053 ug/l	97
46) Dibromomethane	9.706	93	1327	1.052 ug/l	100
47) Bromodichloromethane	9.894	83	2757	1.031 ug/l #	72
48) Methyl methacrylate	9.682	41	1550	0.946 ug/l	91
49) 1,4-Dioxane	9.700	88	553	19.470 ug/l #	54
51) 4-Methyl-2-Pentanone	10.441	43	9203	4.578 ug/l	93
52) Toluene	10.624	92	3979	0.912 ug/l	92
53) t-1,3-Dichloropropene	10.829	75	2680	1.000 ug/l	89
54) cis-1,3-Dichloropropene	10.312	75	2759	0.970 ug/l	94
55) 1,1,2-Trichloroethane	11.012	97	1536	0.945 ug/l #	79
56) Ethyl methacrylate	10.876	69	1888	0.795 ug/l	97
57) 1,3-Dichloropropane	11.165	76	2917	1.020 ug/l	97
58) 2-Chloroethyl Vinyl ether	10.159	63	4254	3.651 ug/l	98
59) 2-Hexanone	11.200	43	6264	4.166 ug/l	90
60) Dibromochloromethane	11.359	129	2099	1.057 ug/l	93
61) 1,2-Dibromoethane	11.465	107	1648	0.980 ug/l	98
64) Tetrachloroethene	11.100	164	1291	0.911 ug/l #	88
65) Chlorobenzene	11.888	112	5217	1.094 ug/l #	81
66) 1,1,1,2-Tetrachloroethane	11.965	131	1639	0.976 ug/l #	62
67) Ethyl Benzene	11.959	91	6914	0.894 ug/l #	85
68) m/p-Xylenes	12.070	106	5269	1.789 ug/l	91
69) o-Xylene	12.400	106	2514	0.897 ug/l	82
70) Styrene	12.406	104	3871	0.831 ug/l	99
71) Bromoform	12.576	173	1215	0.975 ug/l #	92
73) Isopropylbenzene	12.688	105	5637	0.900 ug/l	99
74) N-amyl acetate	12.494	43	2377	0.921 ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.929	83	2694	1.260 ug/l #	82
76) 1,2,3-Trichloropropane	12.988	75	3232	1.946 ug/l	54
77) Bromobenzene	12.982	156	1903	1.129 ug/l	86
78) n-propylbenzene	13.029	91	6275	0.869 ug/l	97
79) 2-Chlorotoluene	13.123	91	4935	1.023 ug/l	94
80) 1,3,5-Trimethylbenzene	13.170	105	4473	0.851 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	619	0.871 ug/l #	79
82) 4-Chlorotoluene	13.223	91	5286	1.053 ug/l	92
83) tert-Butylbenzene	13.435	119	4357	0.963 ug/l	91
84) 1,2,4-Trimethylbenzene	13.482	105	4802	0.888 ug/l	100
85) sec-Butylbenzene	13.612	105	5284	0.865 ug/l	99
86) p-Isopropyltoluene	13.729	119	4047	0.803 ug/l	88
87) 1,3-Dichlorobenzene	13.729	146	4131	1.243 ug/l	86
88) 1,4-Dichlorobenzene	13.729	146	4131	1.218 ug/l	88
89) n-Butylbenzene	14.053	91	4981	1.062 ug/l	92
90) Hexachloroethane	14.329	117	1217	1.107 ug/l #	52
91) 1,2-Dichlorobenzene	14.100	146	3830	1.202 ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	470	1.136 ug/l	98
93) 1,2,4-Trichlorobenzene	15.400	180	2092	1.209 ug/l	93
94) Hexachlorobutadiene	15.494	225	987	1.236 ug/l	80
95) Naphthalene	15.641	128	5242	1.063 ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	1849	1.120 ug/l	94

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085010.D
Acq On : 22 Nov 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Nov 23 02:01:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

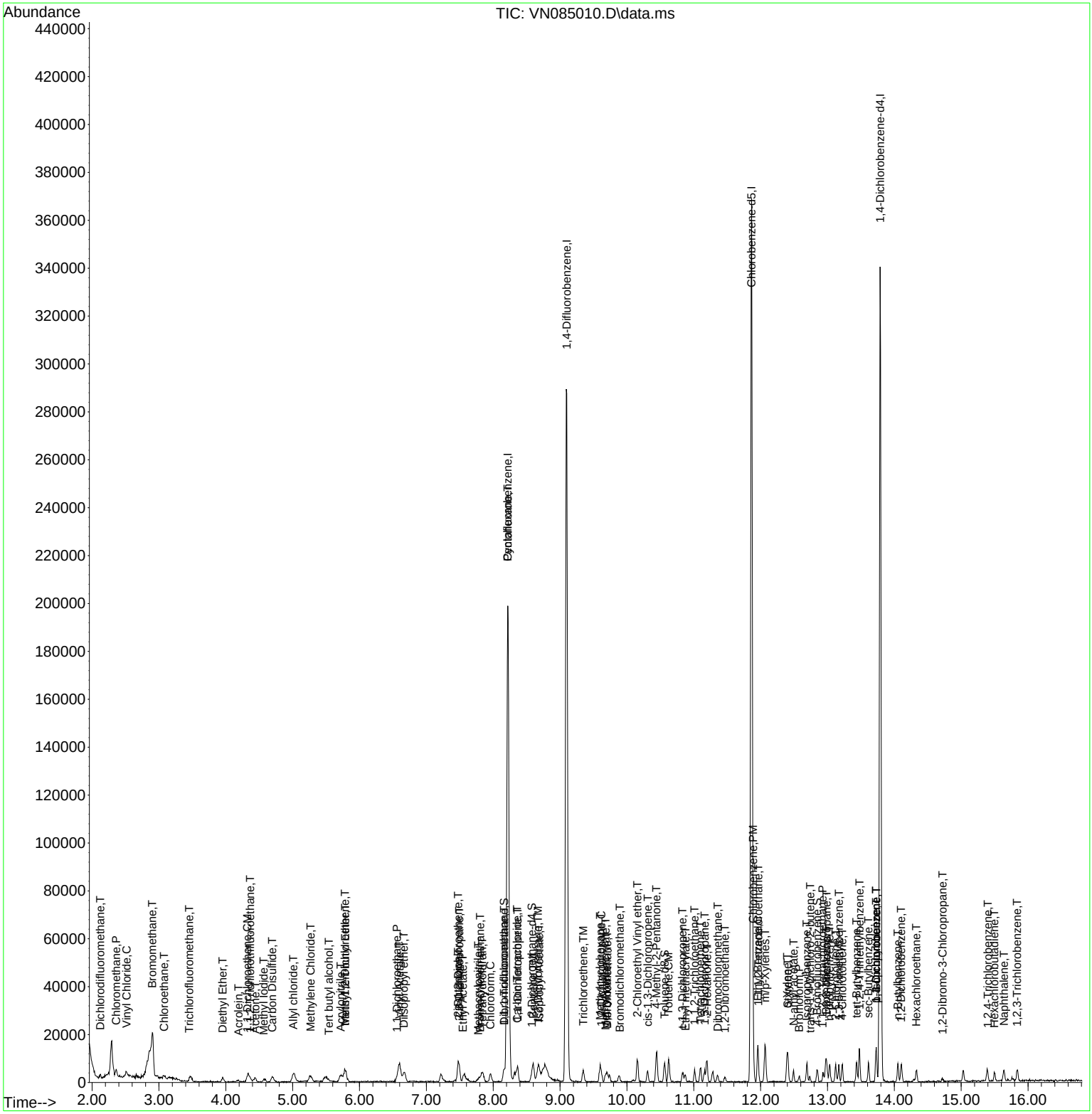
(#) = qualifier out of range (m) = manual integration (+) = signals summed

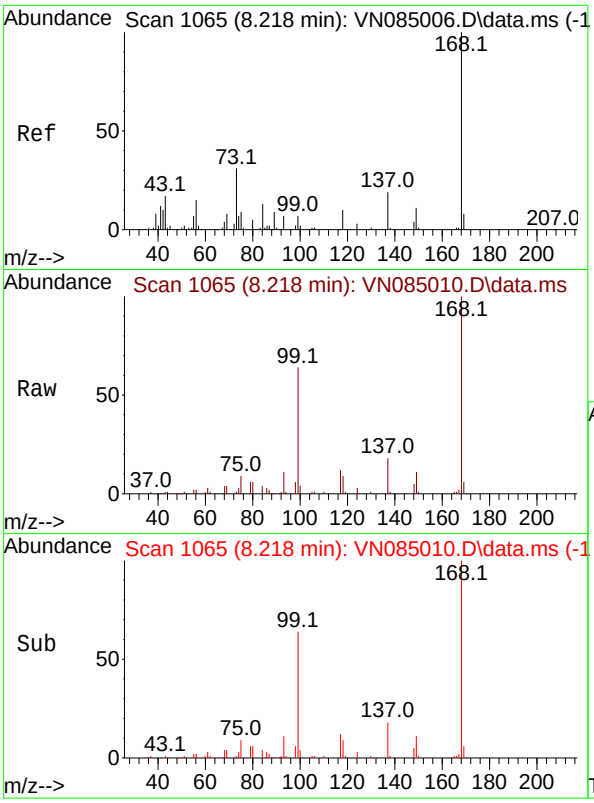
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085010.D
Acq On : 22 Nov 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Nov 23 02:01:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration



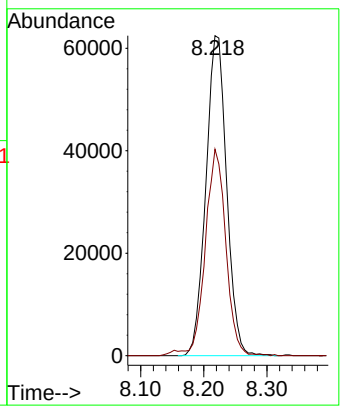


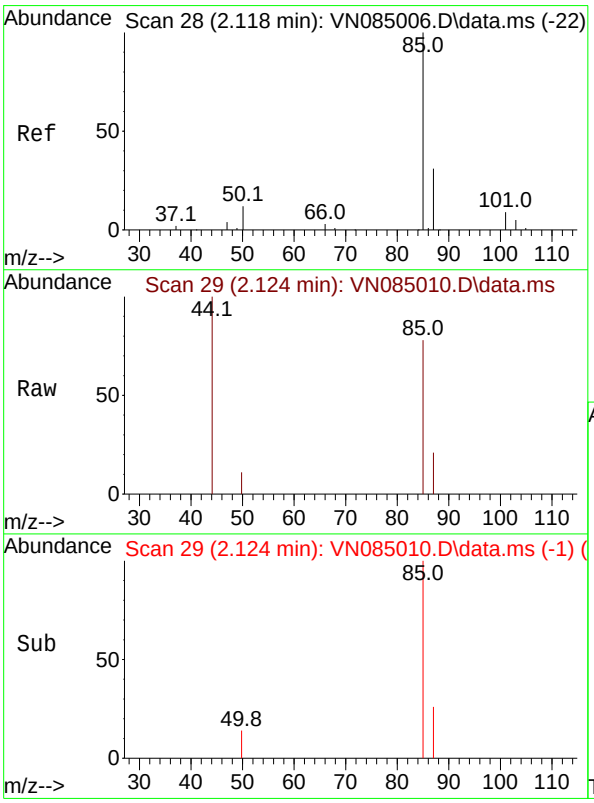
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 142307

Ion	Ratio	Lower	Upper
168	100		
99	64.5	51.2	76.8

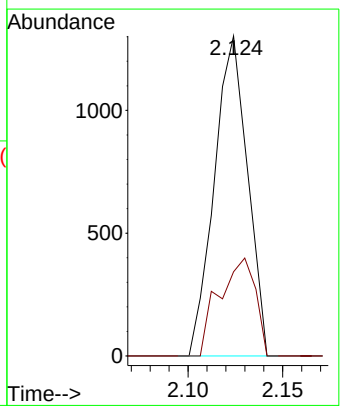


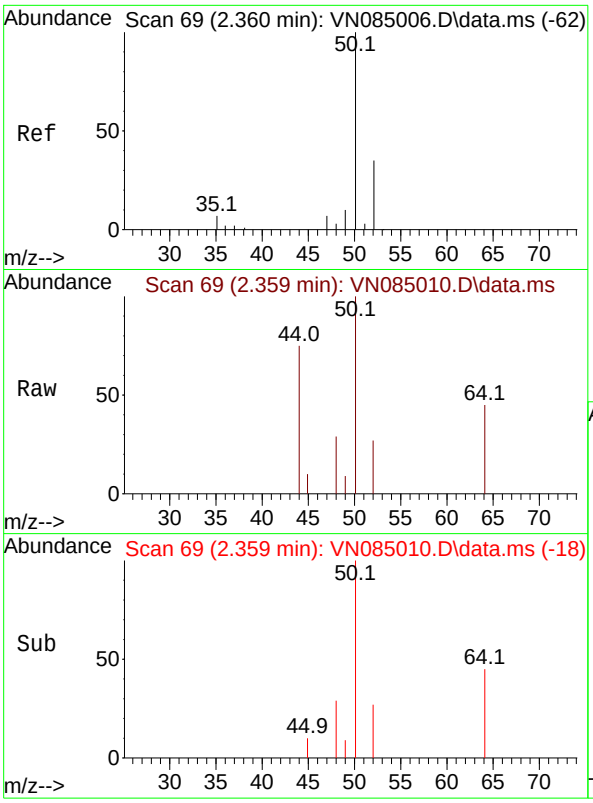


#2
Dichlorodifluoromethane
Concen: 0.987 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 85 Resp: 1589

Ion	Ratio	Lower	Upper
85	100		
87	26.3	15.7	47.1



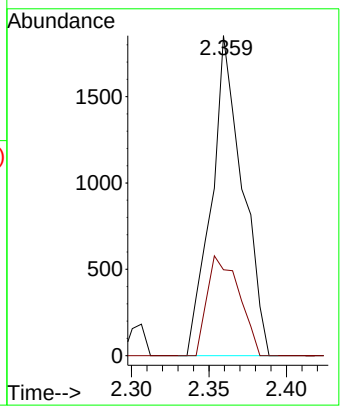


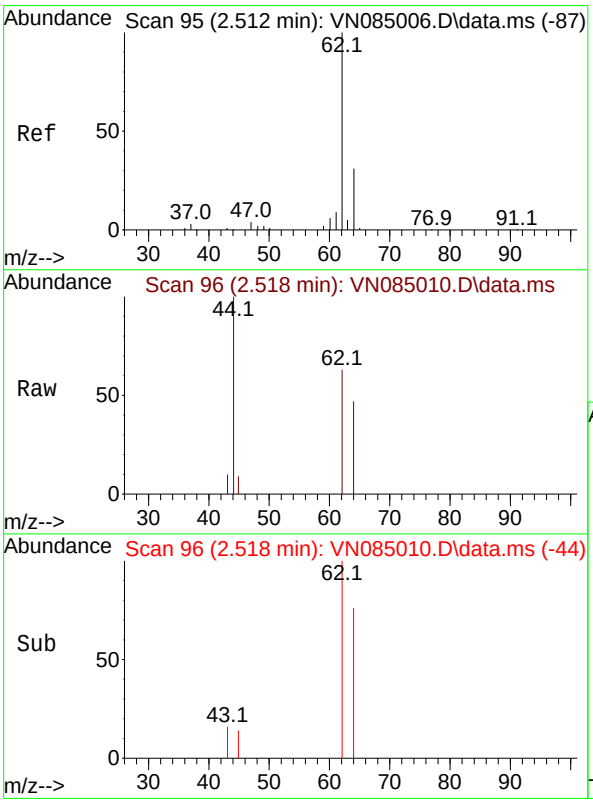
#3
Chloromethane
Concen: 1.382 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 2580

Ion	Ratio	Lower	Upper
50	100		
52	26.8	27.8	41.8#

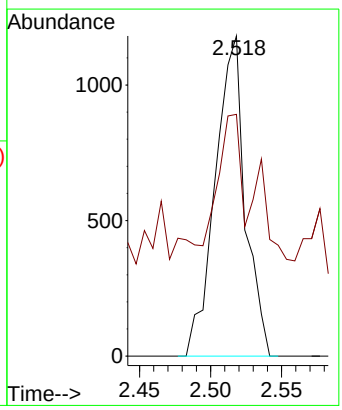


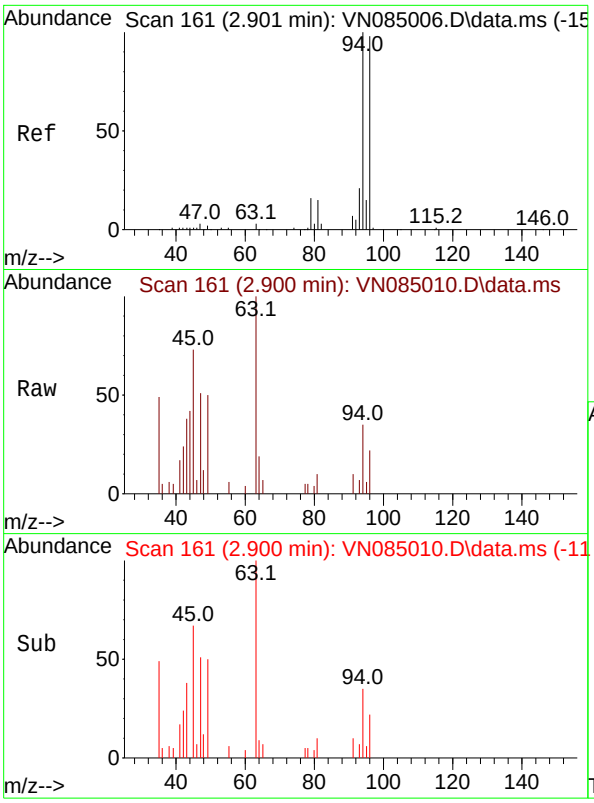


#4
Vinyl Chloride
Concen: 1.031 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 62 Resp: 1730

Ion	Ratio	Lower	Upper
62	100		
64	40.9	24.6	36.8#



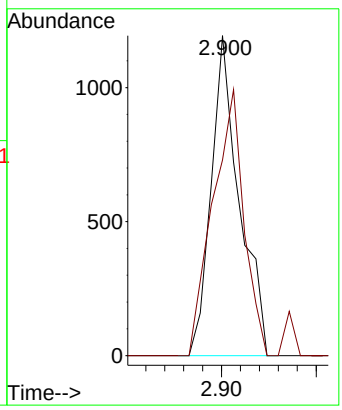


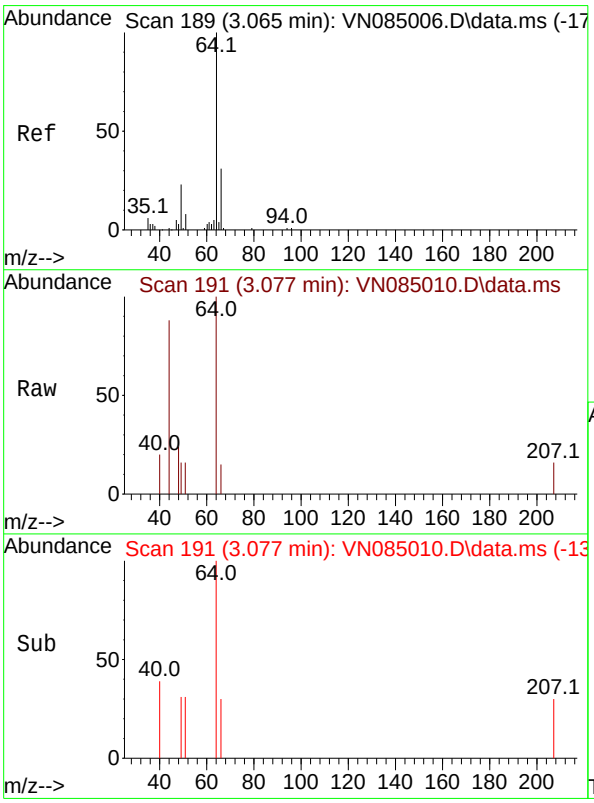
#5
Bromomethane
Concen: 1.309 ug/l
RT: 2.900 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 1231

Ion	Ratio	Lower	Upper
94	100		
96	61.1	78.7	118.1#

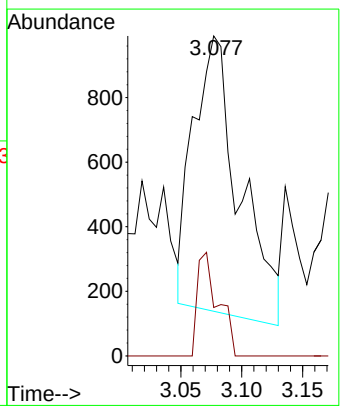


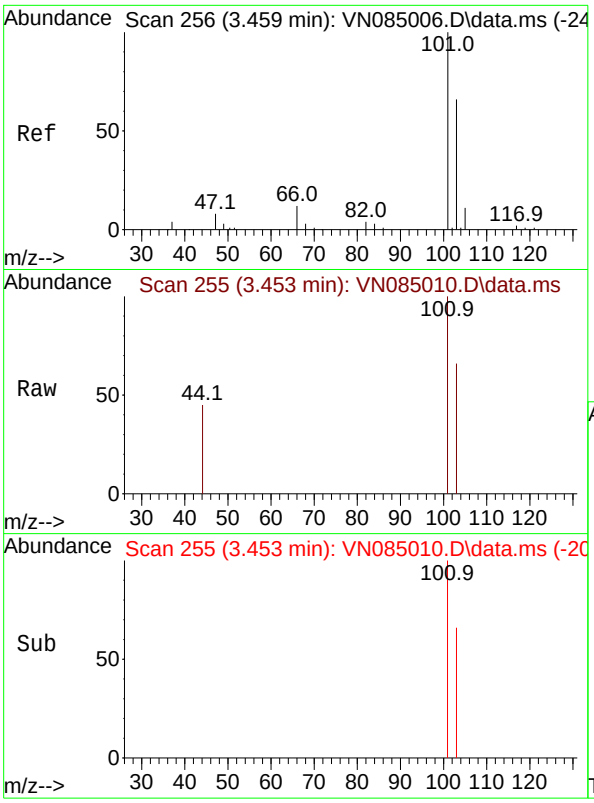


#6
Chloroethane
Concen: 1.997 ug/l
RT: 3.077 min Scan# 191
Delta R.T. 0.012 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 64 Resp: 2258

Ion	Ratio	Lower	Upper
64	100		
66	20.2	24.4	36.6#



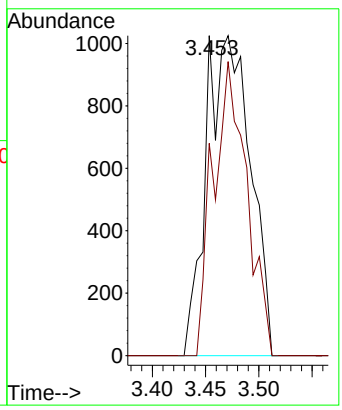


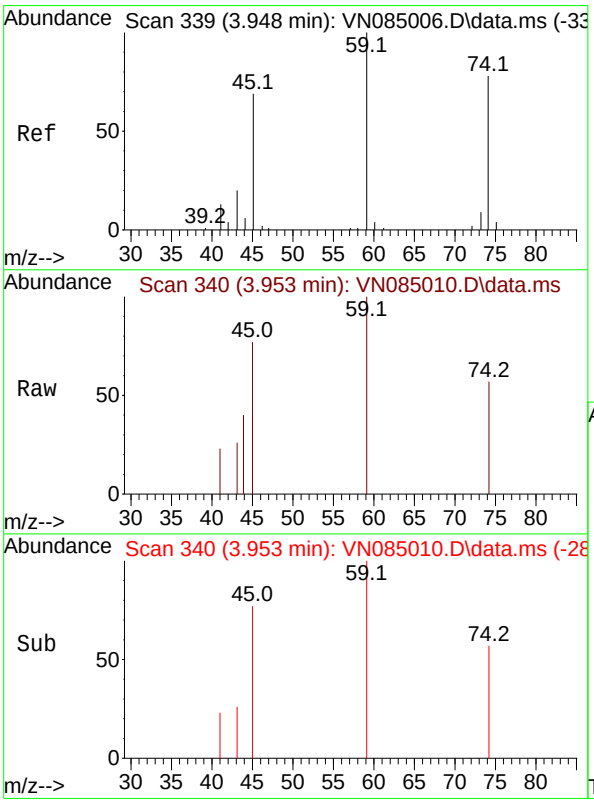
#7
Trichlorofluoromethane
Concen: 1.034 ug/l
RT: 3.453 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 2950

Ion	Ratio	Lower	Upper
101	100		
103	66.3	52.6	78.8

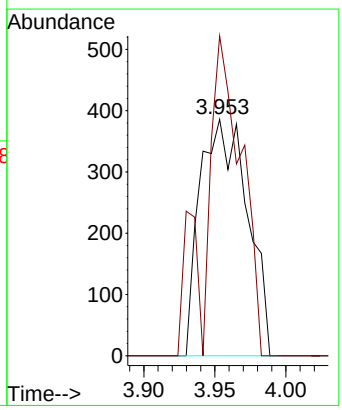


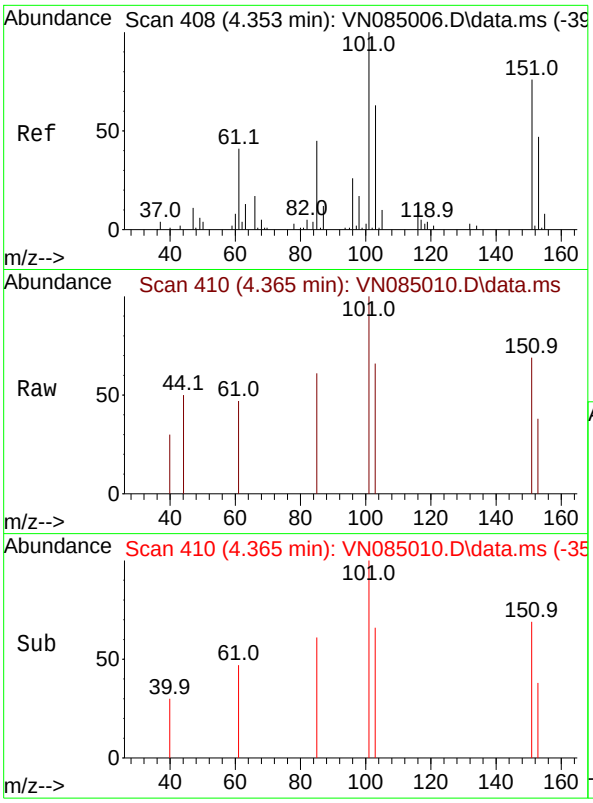


#8
Diethyl Ether
Concen: 0.925 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 74 Resp: 898

Ion	Ratio	Lower	Upper
74	100		
45	103.3	46.7	140.1



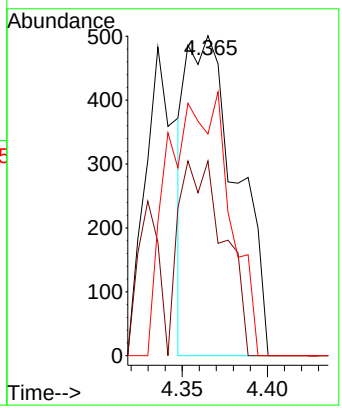


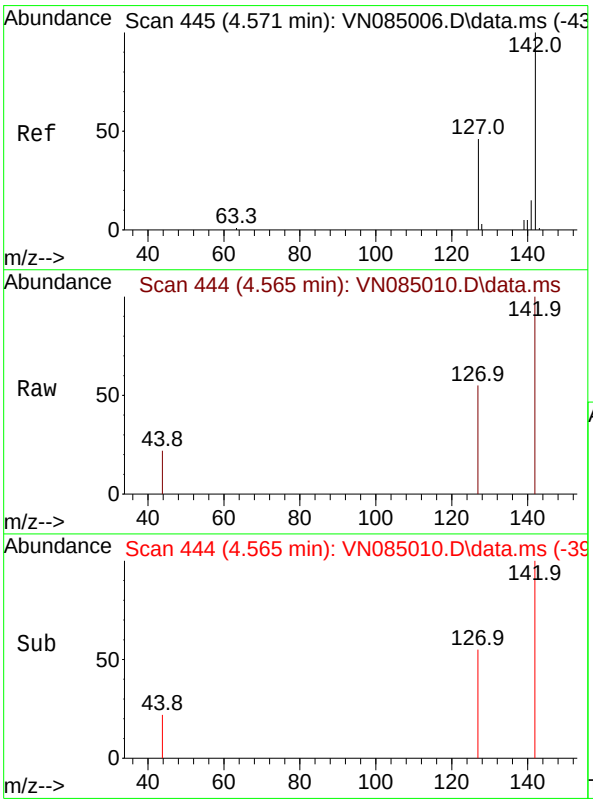
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.637 ug/l
RT: 4.365 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 1031

Ion	Ratio	Lower	Upper
101	100		
85	55.3	36.9	55.3
151	99.6	60.8	91.2#

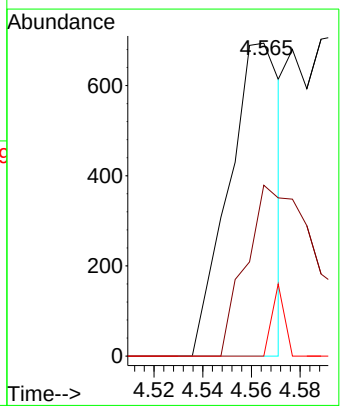


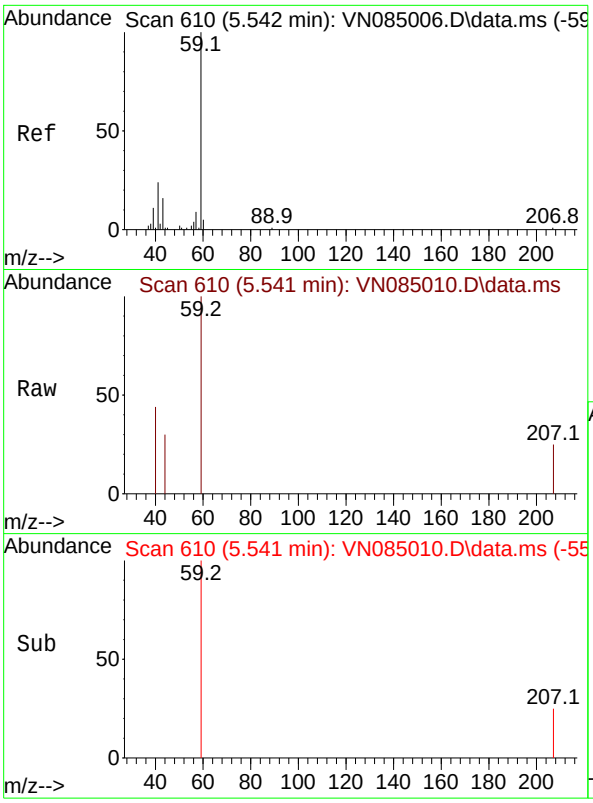


#10
Methyl Iodide
Concen: 0.476 ug/l
RT: 4.565 min Scan# 444
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:142 Resp: 1019

Ion	Ratio	Lower	Upper
142	100		
127	54.6	36.6	54.8
141	0.0	12.2	18.4#



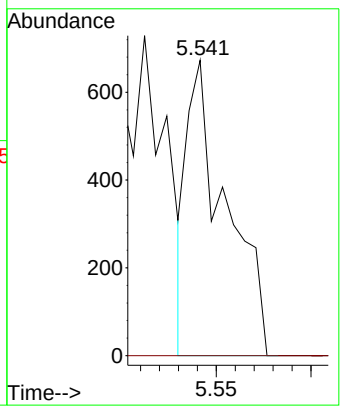


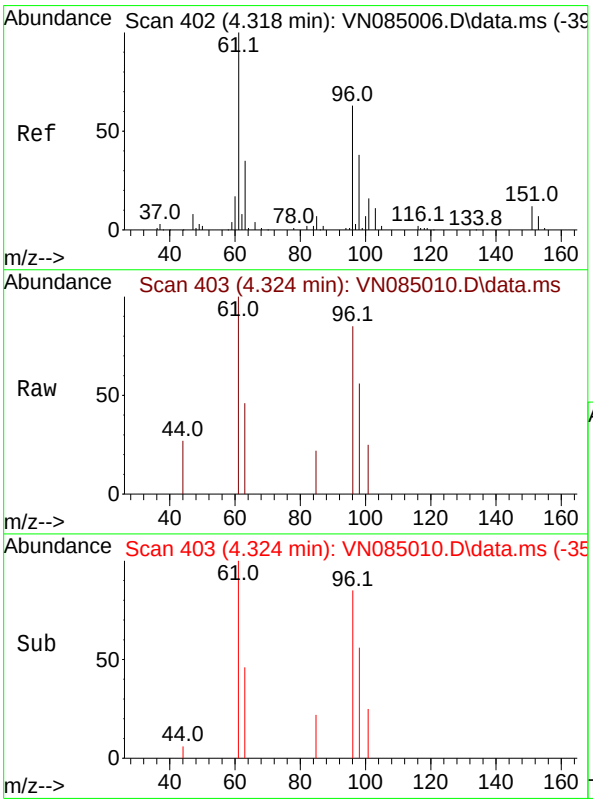
#11
Tert butyl alcohol
Concen: 3.551 ug/l
RT: 5.541 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 962

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.4	11.0#

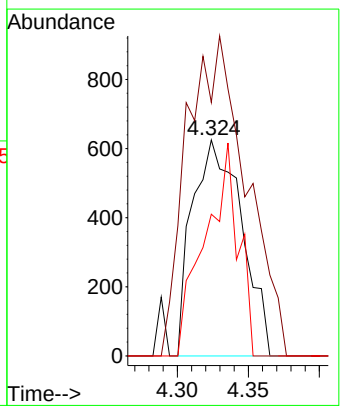


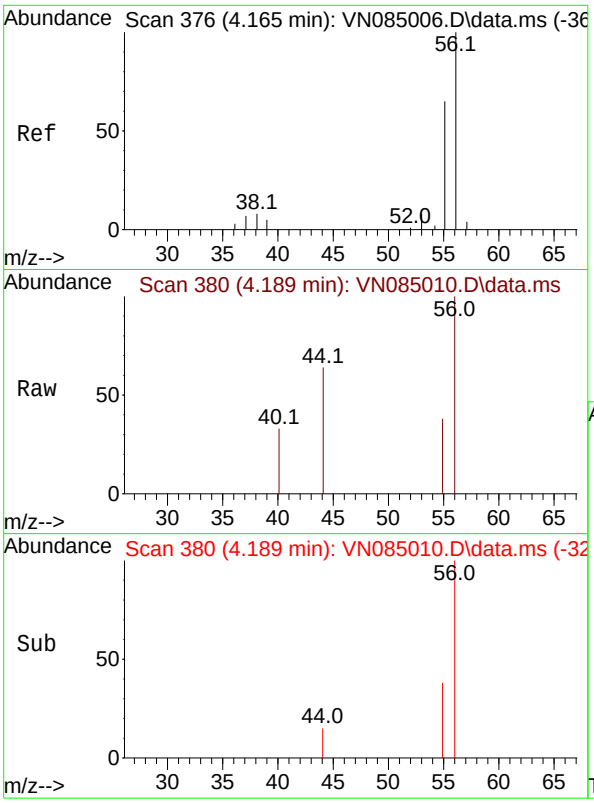


#12
1,1-Dichloroethene
Concen: 1.000 ug/l
RT: 4.324 min Scan# 403
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 96 Resp: 1511

Ion	Ratio	Lower	Upper
96	100		
61	90.6	127.8	191.8#
98	65.6	49.2	73.8



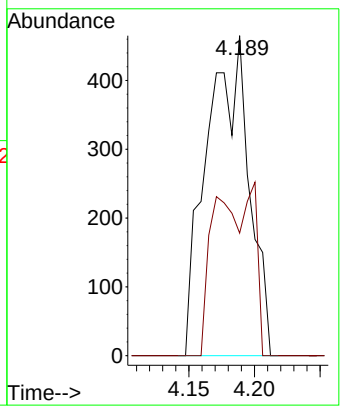


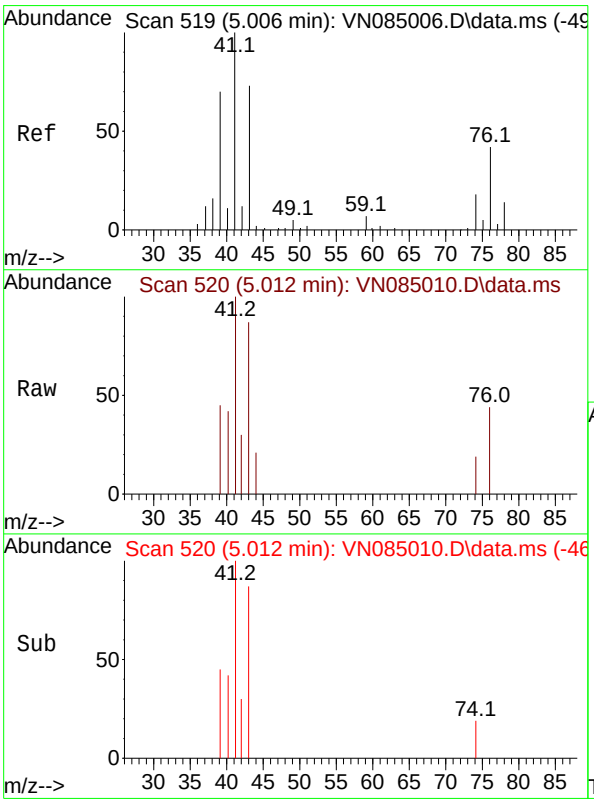
#13
Acrolein
Concen: 5.759 ug/l
RT: 4.189 min Scan# 3
Delta R.T. 0.023 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 1041

Ion	Ratio	Lower	Upper
56	100		
55	50.4	54.5	81.7#

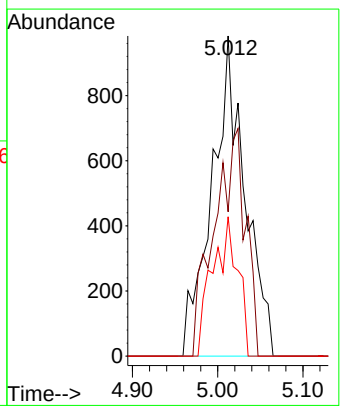


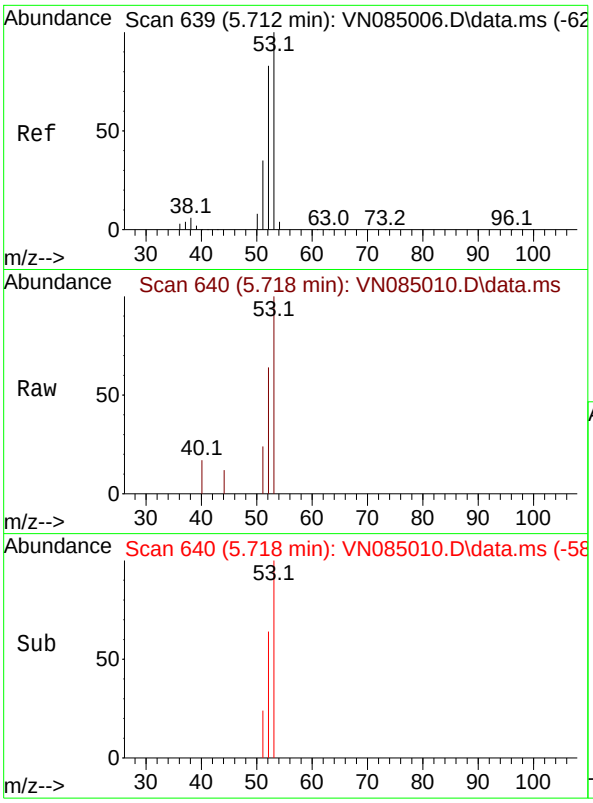


#14
Allyl chloride
Concen: 1.046 ug/l
RT: 5.012 min Scan# 520
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 41 Resp: 2663

Ion	Ratio	Lower	Upper
41	100		
39	67.4	53.8	80.8
76	33.0	29.3	43.9



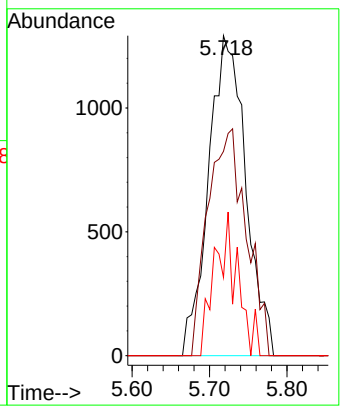


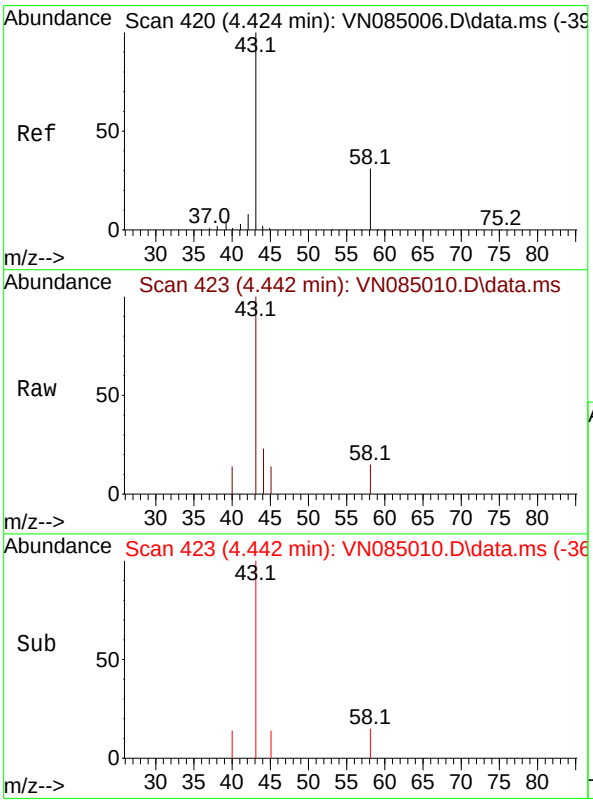
#15
Acrylonitrile
Concen: 5.625 ug/l
RT: 5.718 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 53 Resp: 4314

Ion	Ratio	Lower	Upper
53	100		
52	73.5	65.5	98.3
51	0.0	28.4	42.6#

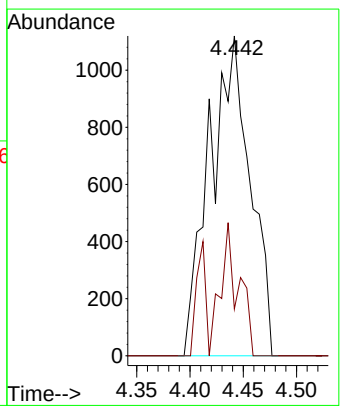


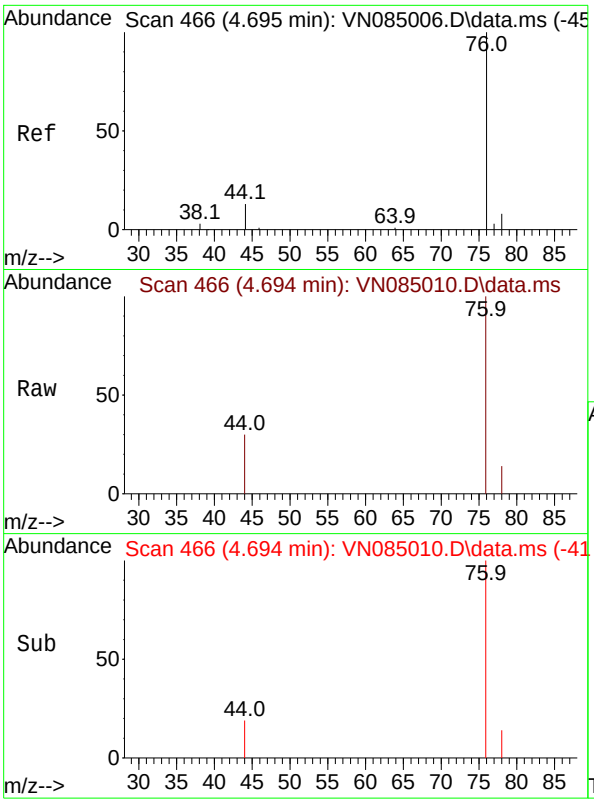


#16
Acetone
Concen: 5.036 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 43 Resp: 2973

Ion	Ratio	Lower	Upper
43	100		
58	14.6	25.4	38.2#



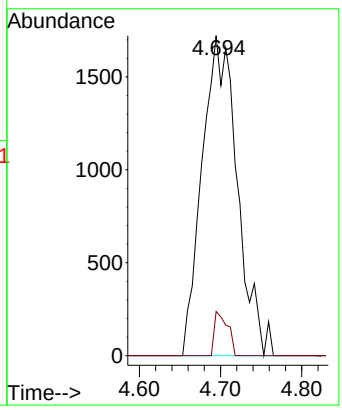


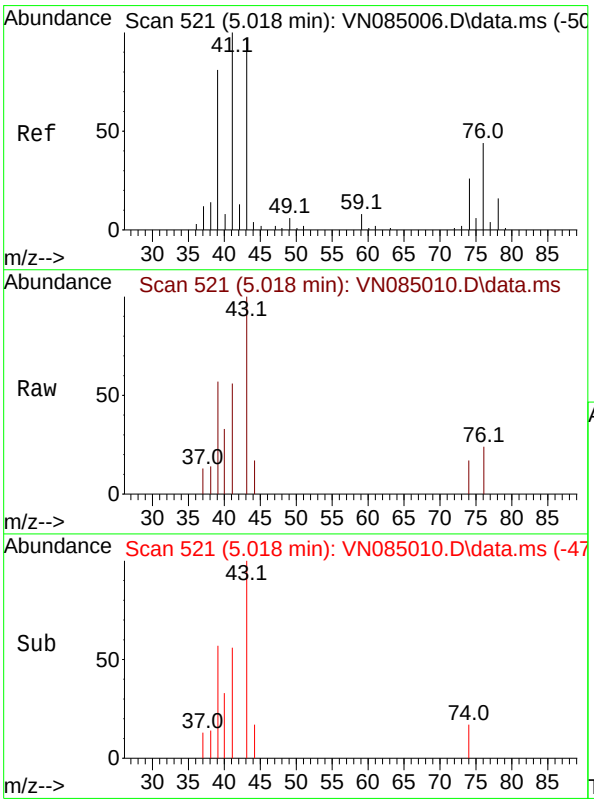
#17
Carbon Disulfide
Concen: 1.168 ug/l
RT: 4.694 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 5206

Ion	Ratio	Lower	Upper
76	100		
78	13.8	6.5	9.7#

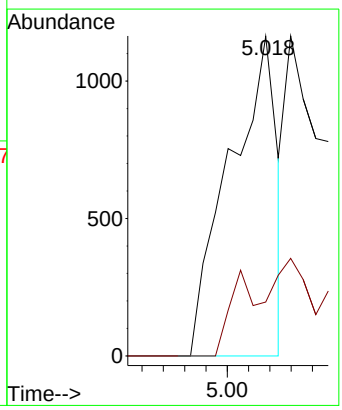


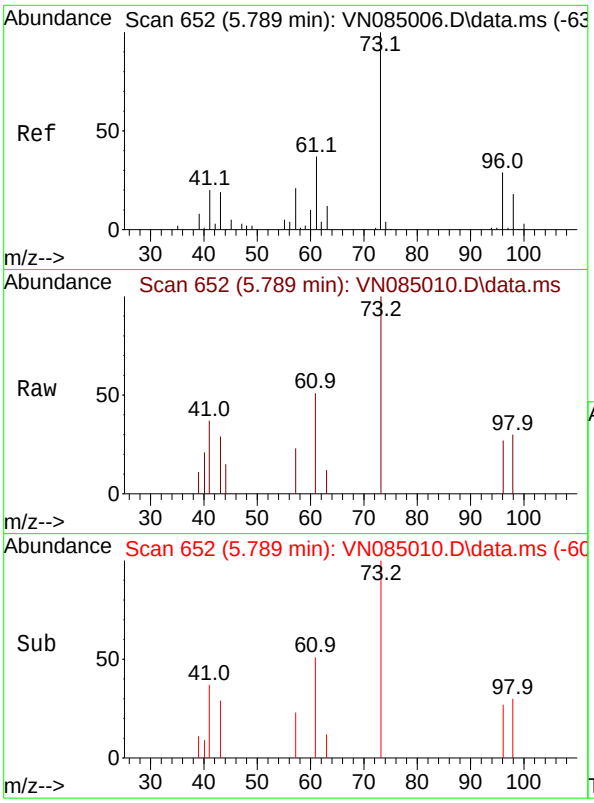


#18
Methyl Acetate
Concen: Below Cal
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 43 Resp: 1793

Ion	Ratio	Lower	Upper
43	100		
74	25.8	20.1	30.1



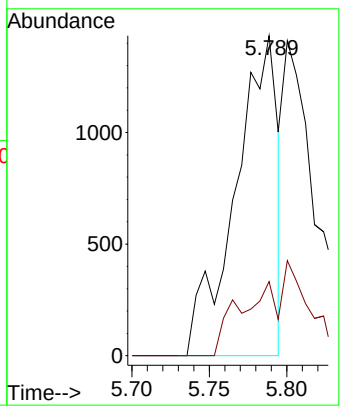


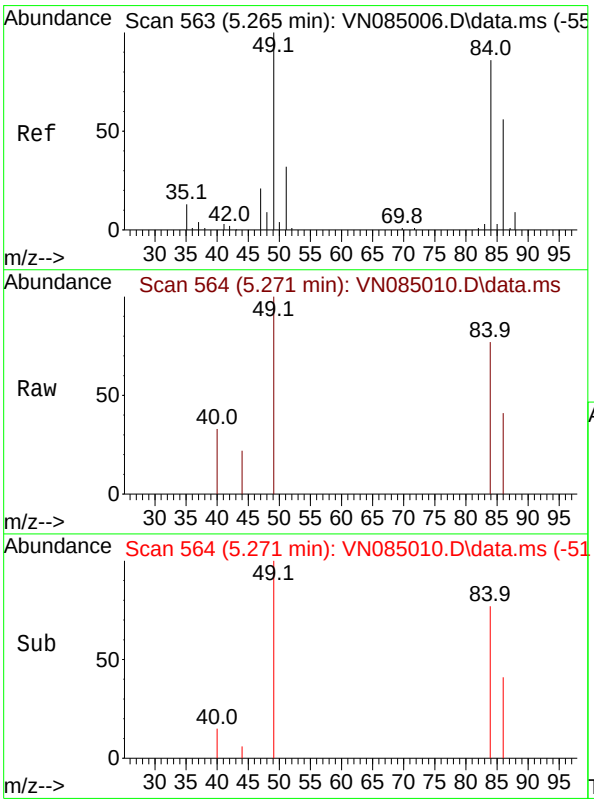
#19
Methyl tert-butyl Ether
Concen: 0.552 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 2724

Ion	Ratio	Lower	Upper
73	100		
57	23.2	17.0	25.4

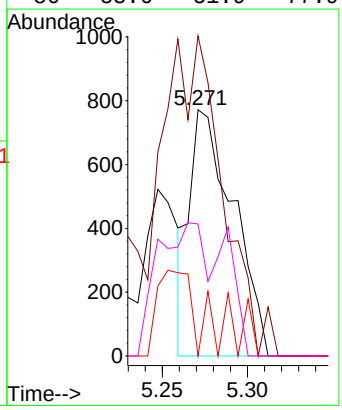


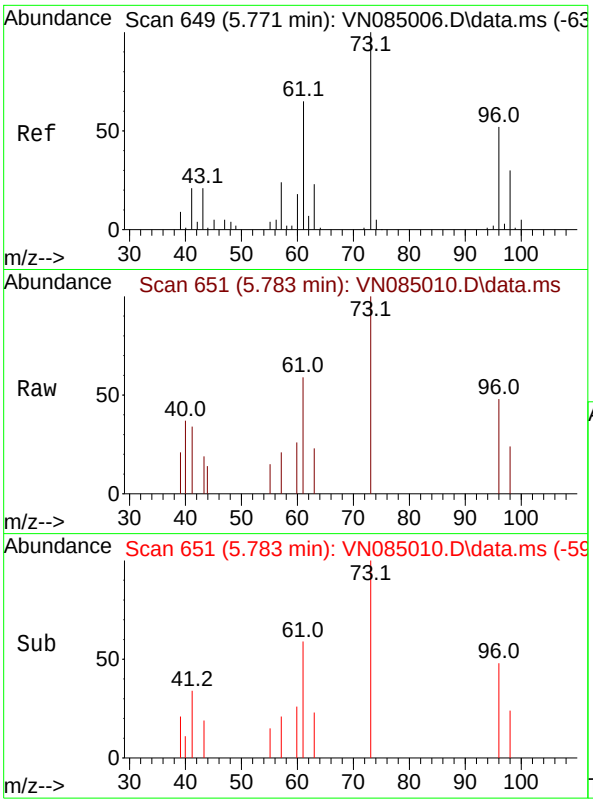


#20
Methylene Chloride
Concen: 0.765 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 84 Resp: 1379

Ion	Ratio	Lower	Upper
84	100		
49	129.9	92.7	139.1
51	0.0	29.4	44.2#
86	53.6	51.9	77.9



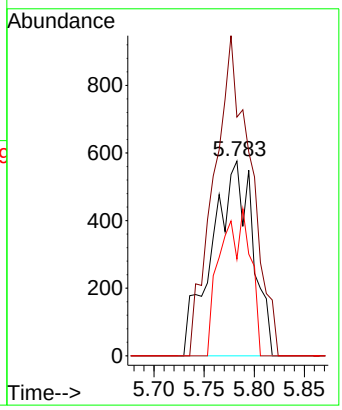


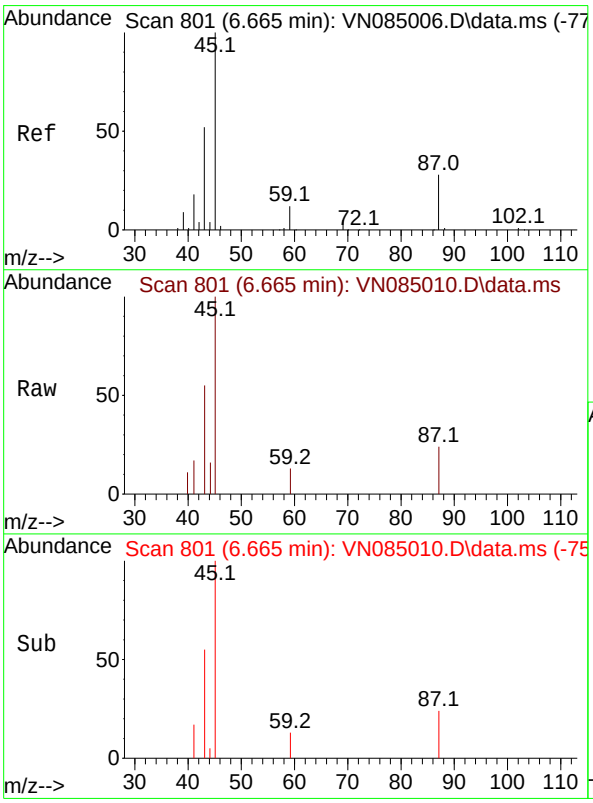
#21
trans-1,2-Dichloroethene
Concen: 1.022 ug/l
RT: 5.783 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 1624

Ion	Ratio	Lower	Upper
96	100		
61	122.6	100.7	151.1
98	49.7	45.8	68.6

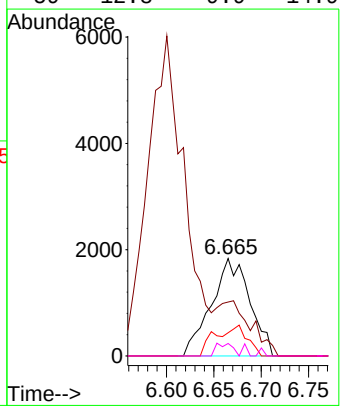


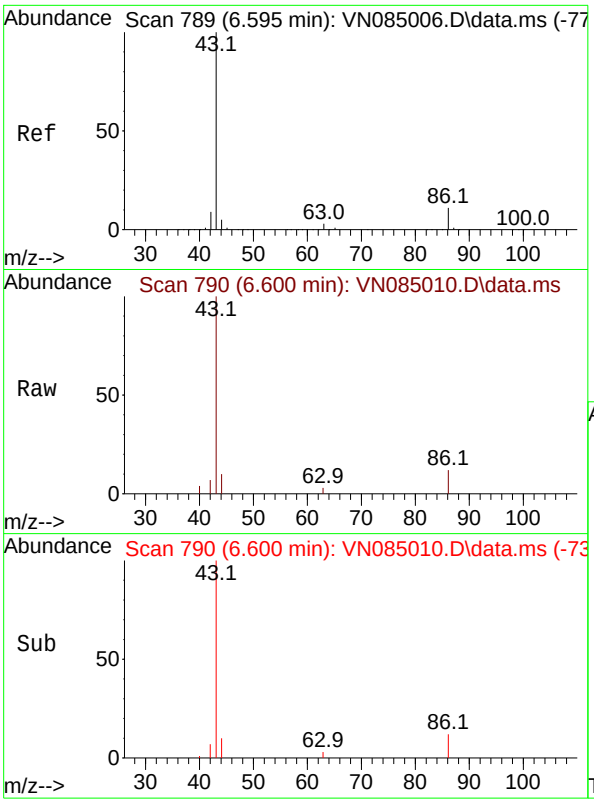


#22
Diisopropyl ether
Concen: 1.014 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 45 Resp: 5194

Ion	Ratio	Lower	Upper
45	100		
43	55.3	42.7	64.1
87	23.7	22.6	34.0
59	12.8	9.9	14.9



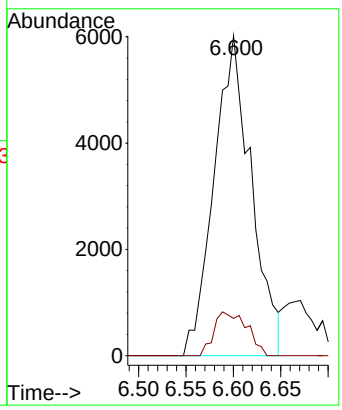


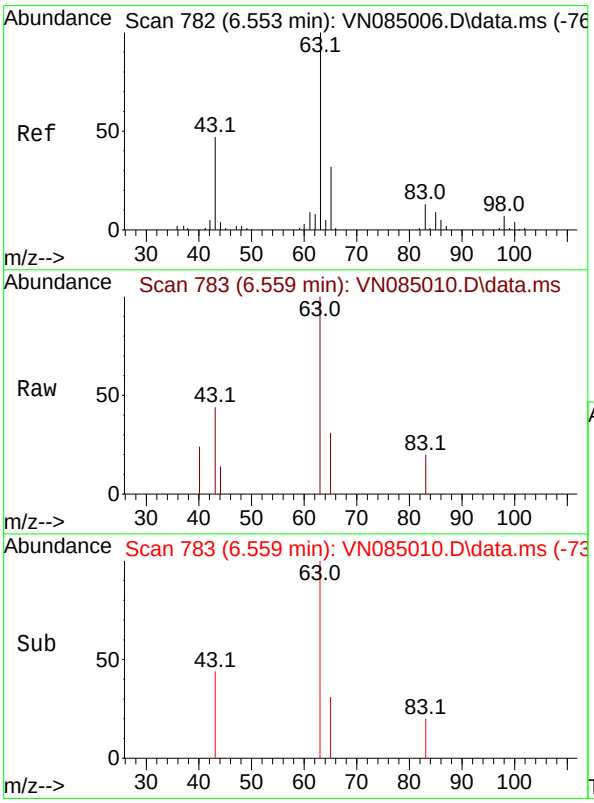
#23
Vinyl Acetate
Concen: 4.672 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 16519

Ion	Ratio	Lower	Upper
43	100		
86	11.6	8.9	13.3

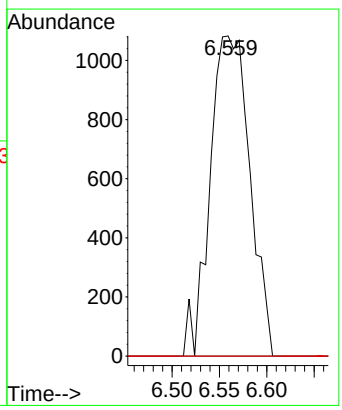


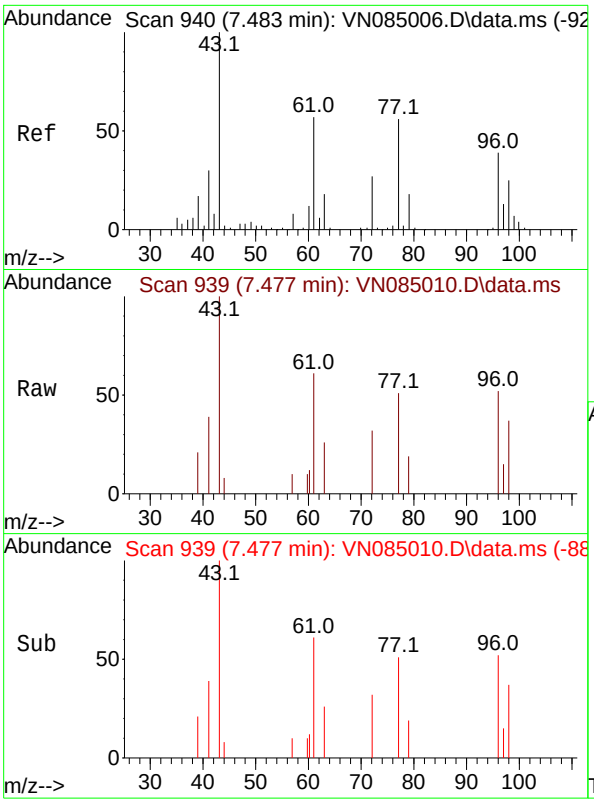


#24
1,1-Dichloroethane
Concen: 1.036 ug/l
RT: 6.559 min Scan# 783
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 63 Resp: 3177

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.3	9.8#
100	0.0	2.2	6.6#



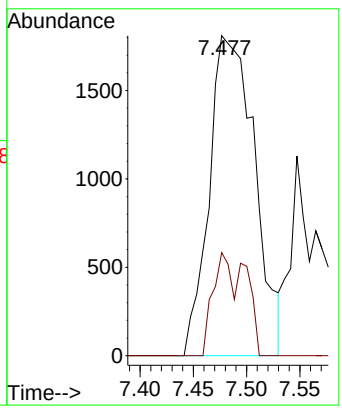


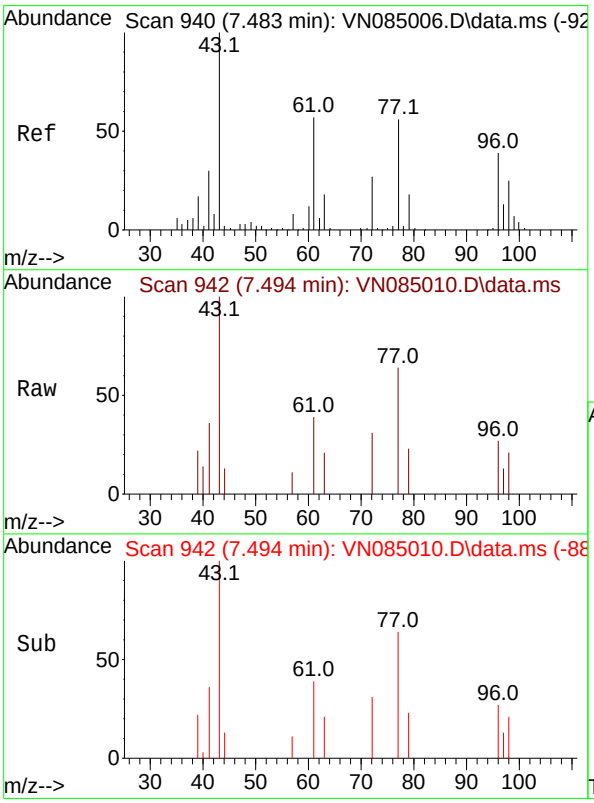
#25
2-Butanone
Concen: 5.556 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 5363

Ion	Ratio	Lower	Upper
43	100		
72	32.2	21.4	32.0#

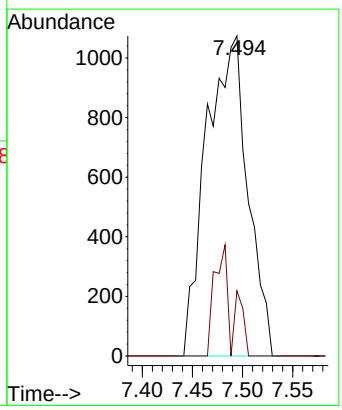


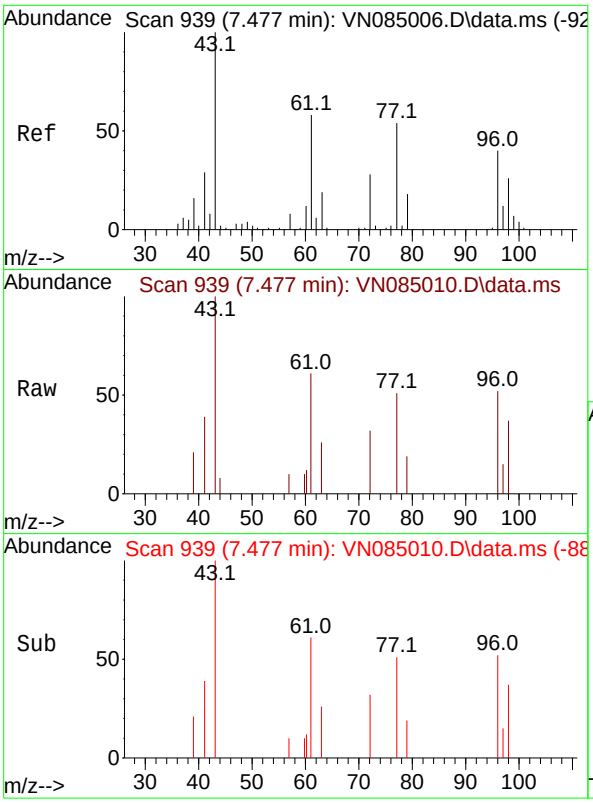


#26
2,2-Dichloropropane
Concen: 1.077 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 77 Resp: 3083

Ion	Ratio	Lower	Upper
77	100		
97	15.0	10.9	32.7



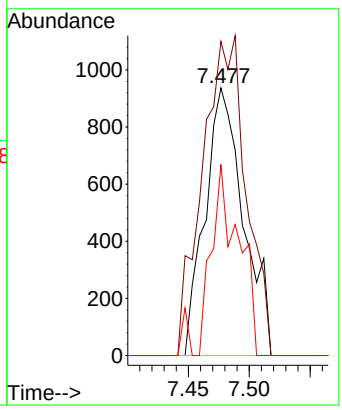


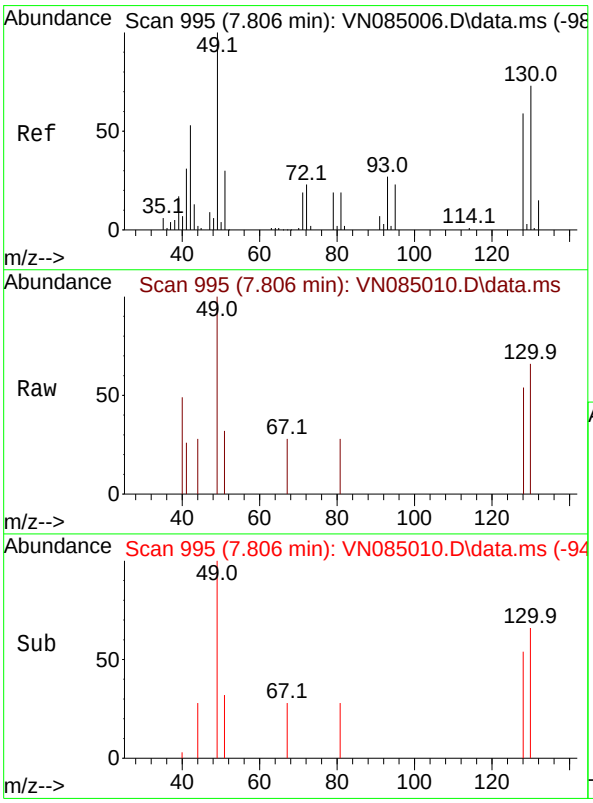
#27
cis-1,2-Dichloroethene
Concen: 1.082 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 2074

Ion	Ratio	Lower	Upper
96	100		
61	135.1	0.0	291.6
98	50.5	0.0	129.8

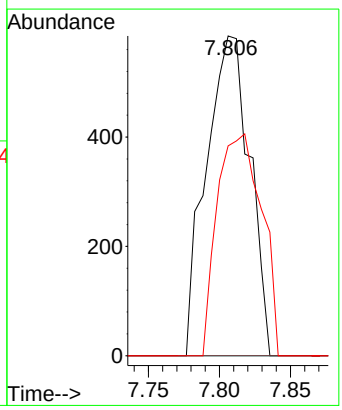


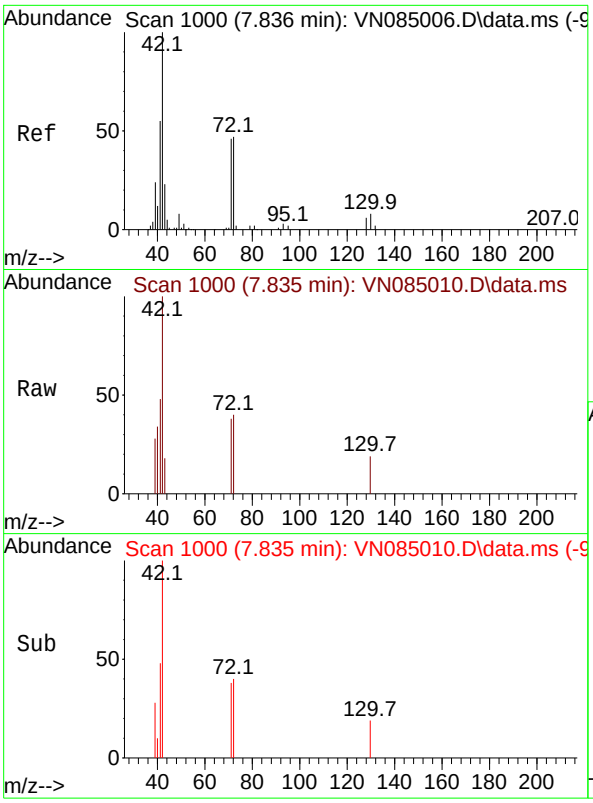


#28
Bromochloromethane
Concen: 1.078 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 49 Resp: 1248

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	70.8	60.6	90.8



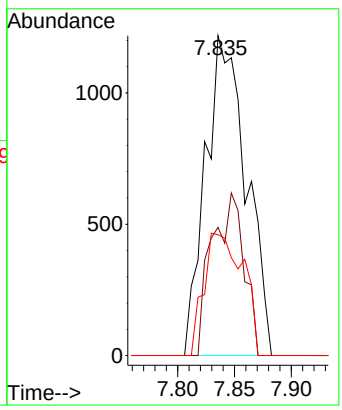


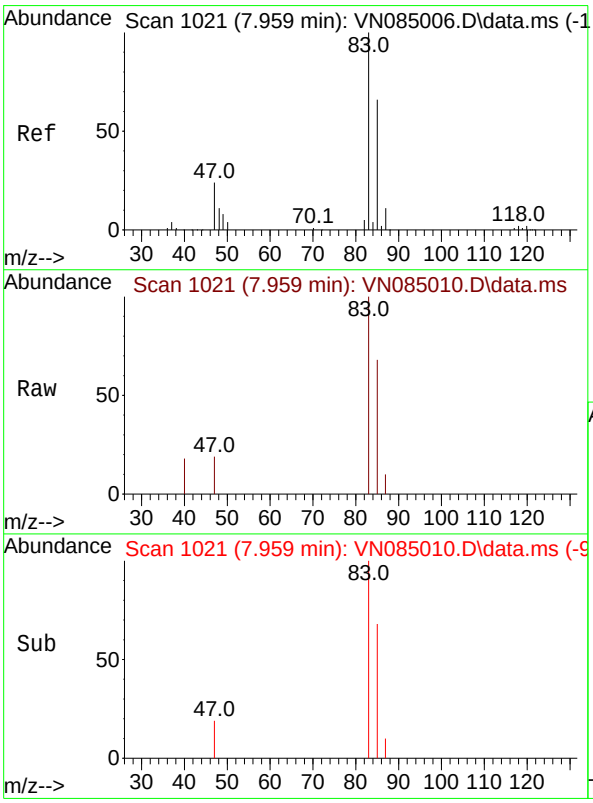
#29
Tetrahydrofuran
Concen: 5.061 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 3038

Ion	Ratio	Lower	Upper
42	100		
72	40.1	37.0	55.4
71	36.8	35.0	52.4

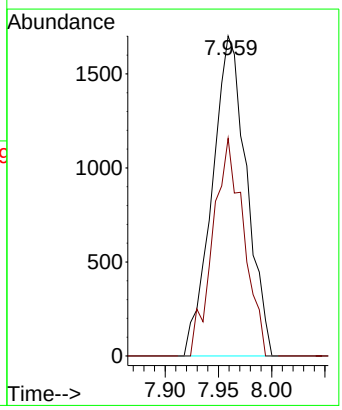


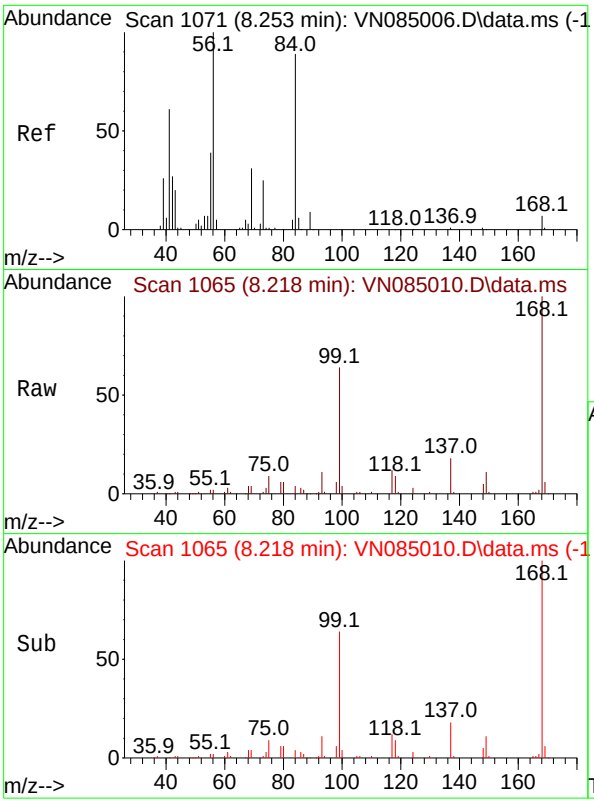


#30
Chloroform
Concen: 1.172 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 83 Resp: 3824

Ion	Ratio	Lower	Upper
83	100		
85	68.0	52.6	78.8



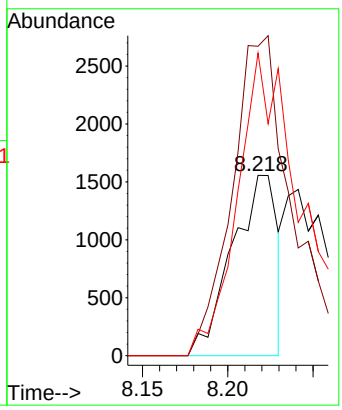


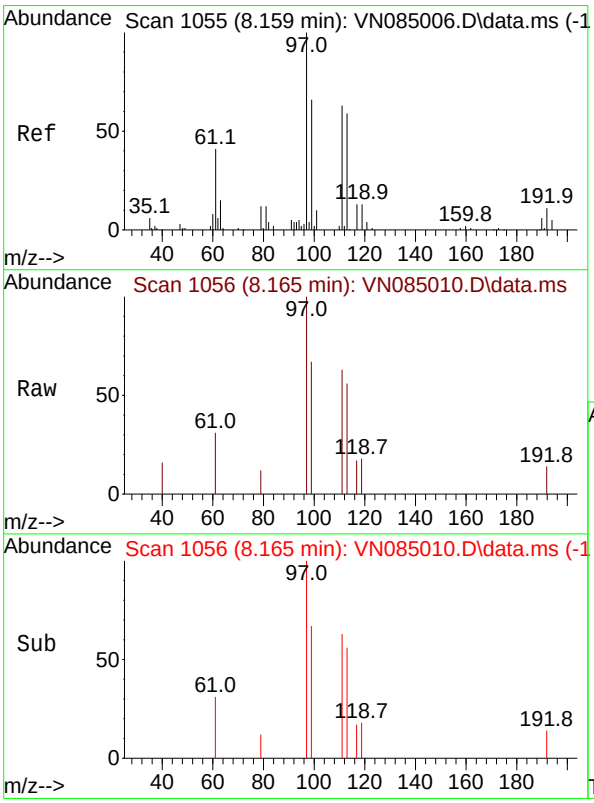
#31
Cyclohexane
Concen: 1.060 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.035 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 2861

Ion	Ratio	Lower	Upper
56	100		
69	171.7	24.6	36.8#
84	167.8	71.4	107.2#

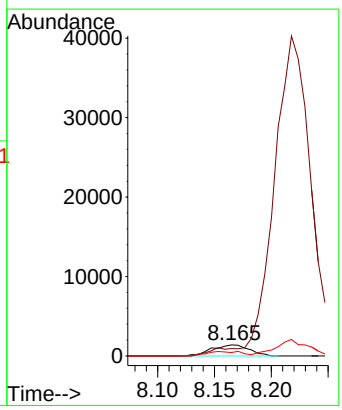


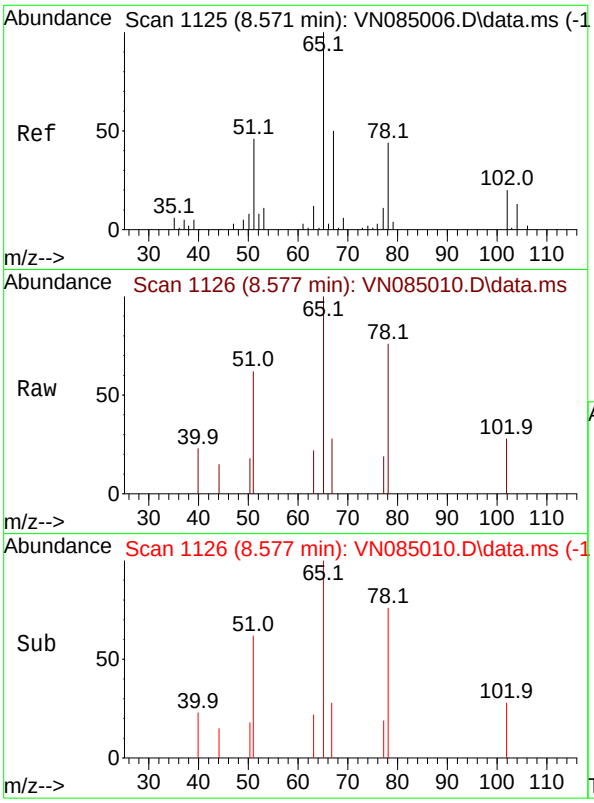


#32
1,1,1-Trichloroethane
Concen: 1.096 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 97 Resp: 3231

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.0	76.4#
61	38.6	36.2	54.2



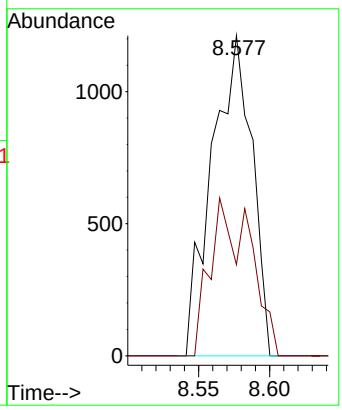


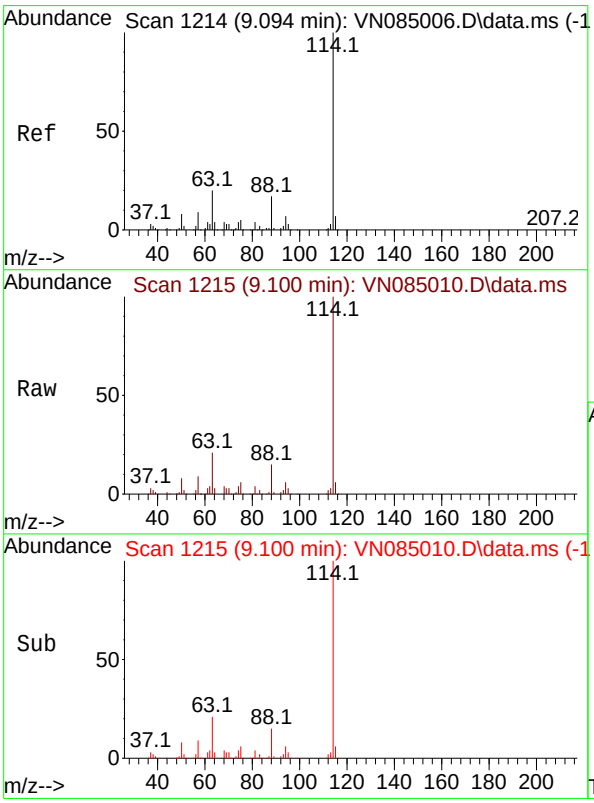
#33
1,2-Dichloroethane-d4
Concen: 1.171 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 2374

Ion	Ratio	Lower	Upper
65	100		
67	30.2	0.0	105.0

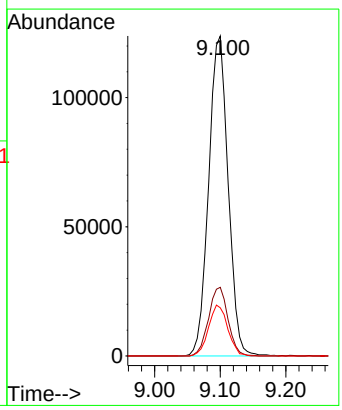


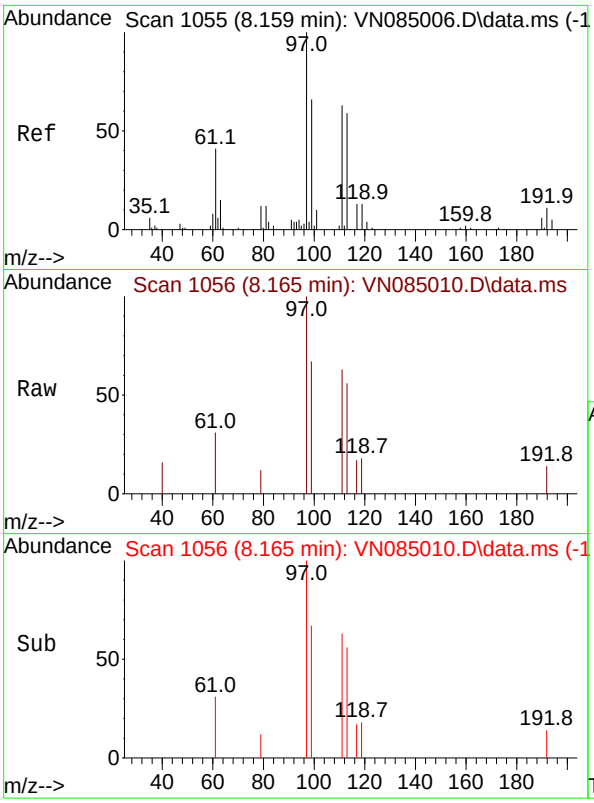


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:114 Resp: 255159

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	41.0
88	15.0	0.0	34.8



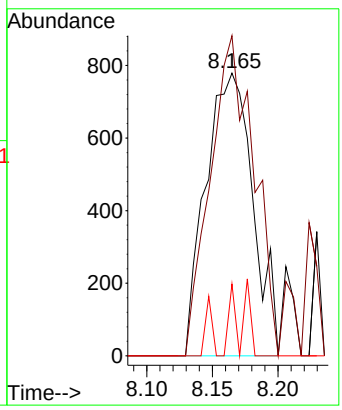


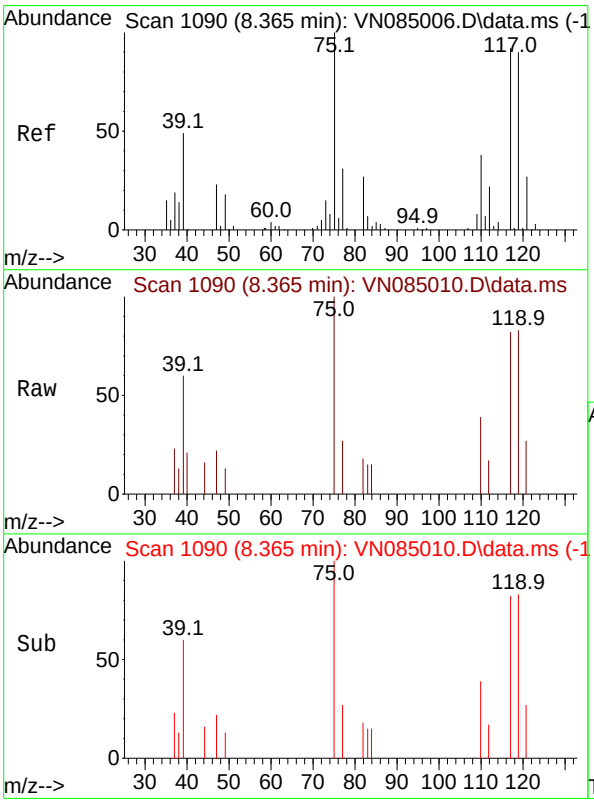
#35
Dibromofluoromethane
Concen: 1.133 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:113 Resp: 1949

Ion	Ratio	Lower	Upper
113	100		
111	104.5	82.0	123.0
192	7.4	14.8	22.2#

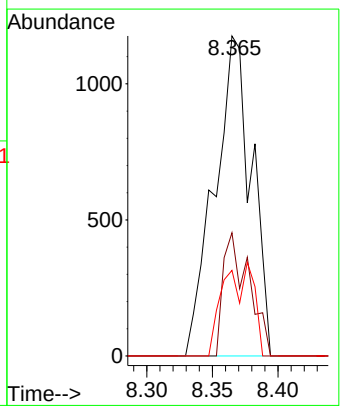


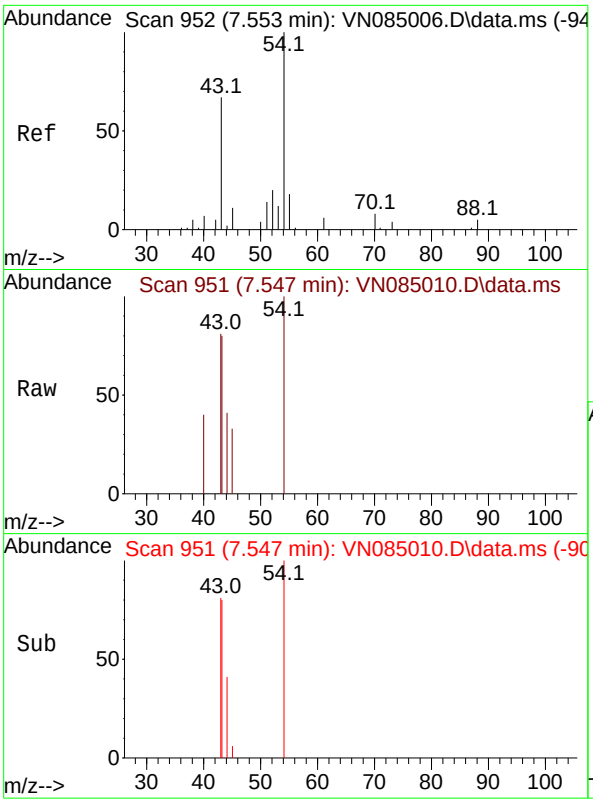


#36
1,1-Dichloropropene
Concen: 0.989 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 75 Resp: 2304

Ion	Ratio	Lower	Upper
75	100		
110	26.6	17.2	51.6
77	23.8	24.2	36.4#



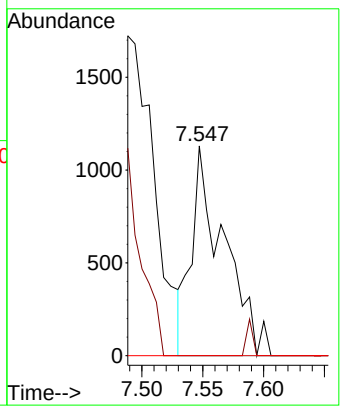


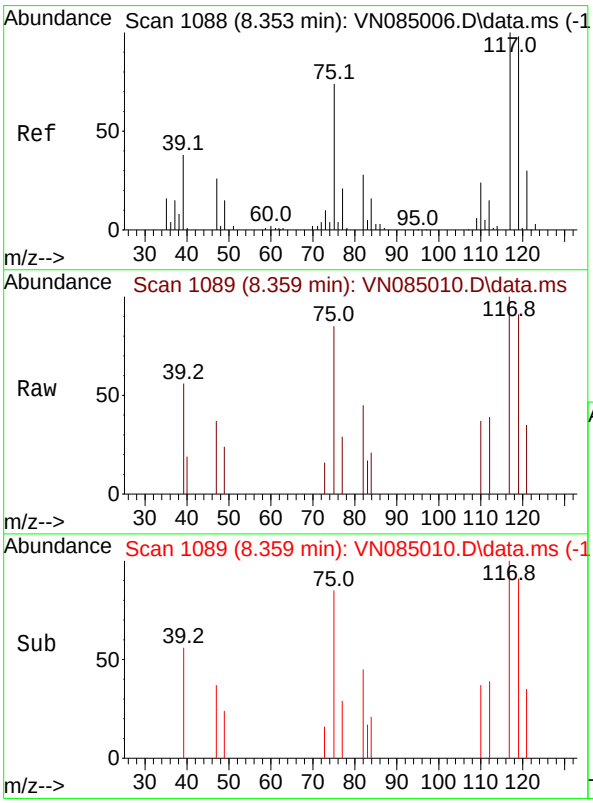
#37
Ethyl Acetate
Concen: 0.992 ug/l
RT: 7.547 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 2101

Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.7	17.5#
70	0.0	9.3	13.9#

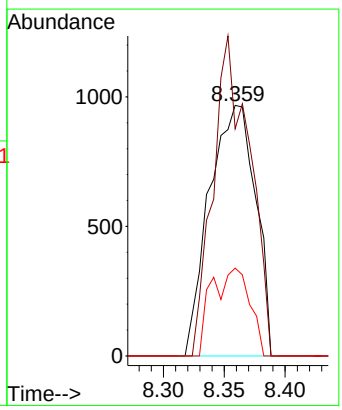


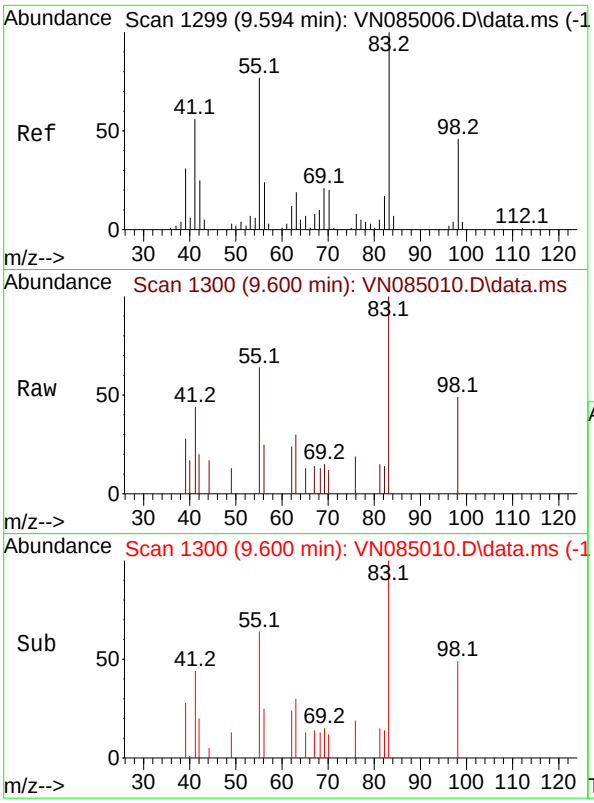


#38
Carbon Tetrachloride
Concen: 0.949 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:117 Resp: 2554

Ion	Ratio	Lower	Upper
117	100		
119	90.7	78.6	117.8
121	35.1	24.2	36.2



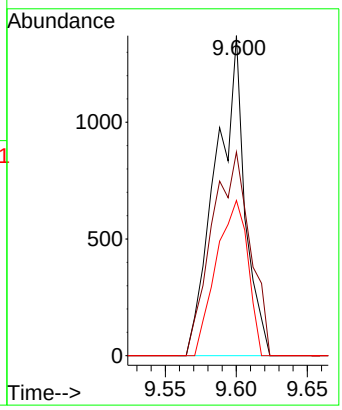


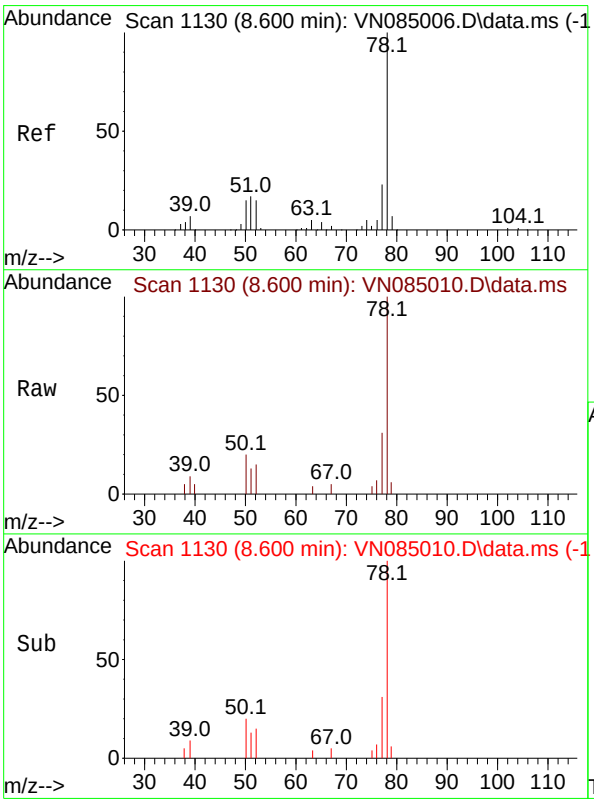
#39
Methylcyclohexane
Concen: 0.804 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 1948

Ion	Ratio	Lower	Upper
83	100		
55	63.7	61.8	92.6
98	48.5	37.0	55.6

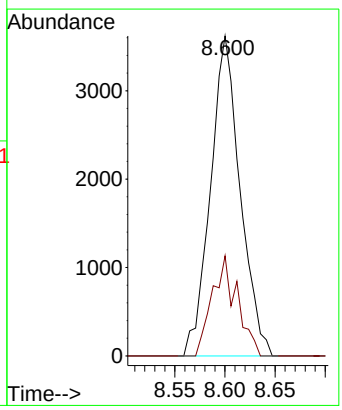


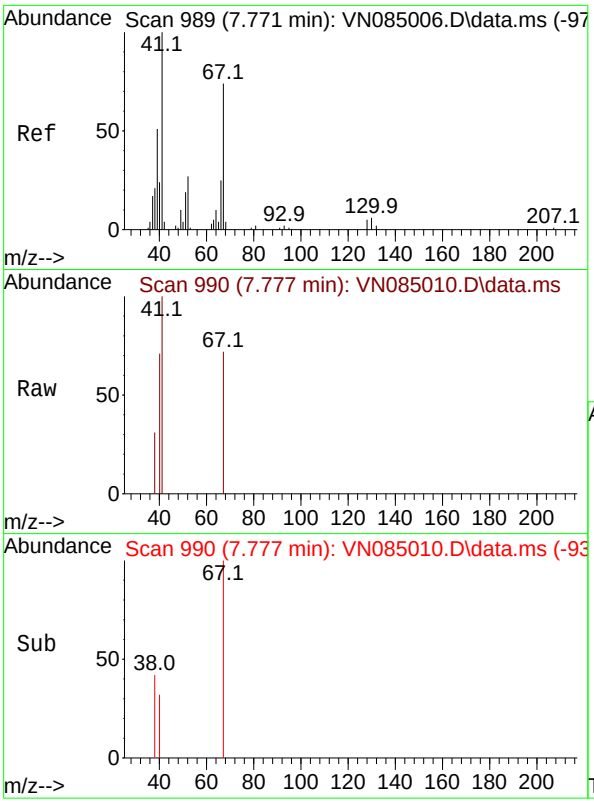


#40
Benzene
Concen: 1.012 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 78 Resp: 7459

Ion	Ratio	Lower	Upper
78	100		
77	31.3	18.5	27.7#



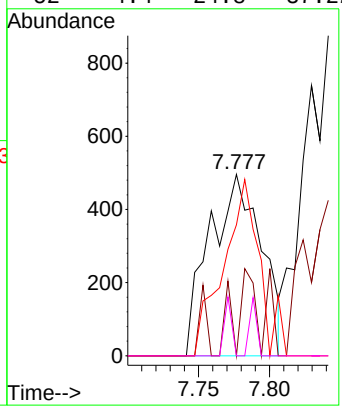


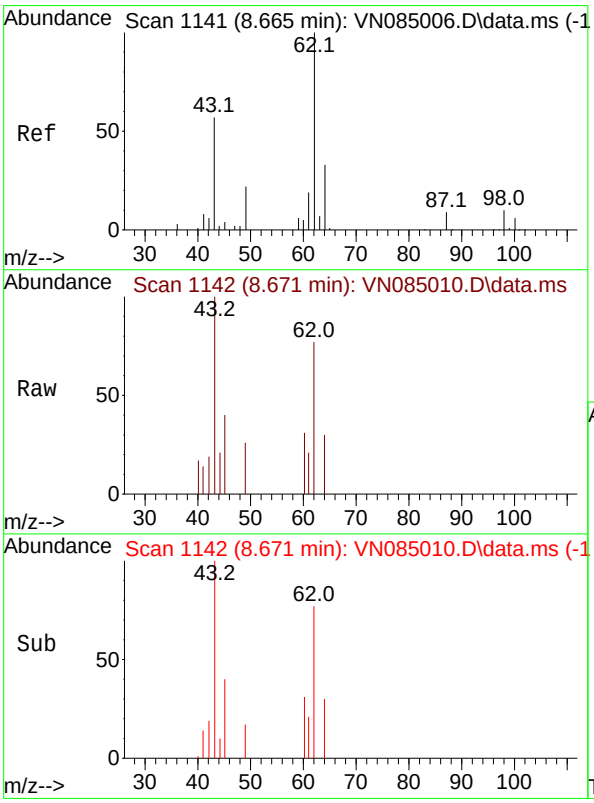
#41
Methacrylonitrile
Concen: 1.077 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 1263

Ion	Ratio	Lower	Upper
41	100		
39	17.9	42.6	63.8#
67	67.1	59.9	89.9
52	4.4	24.8	37.2#

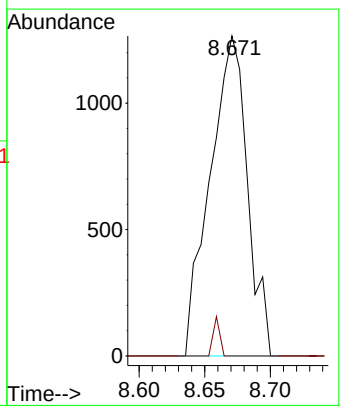


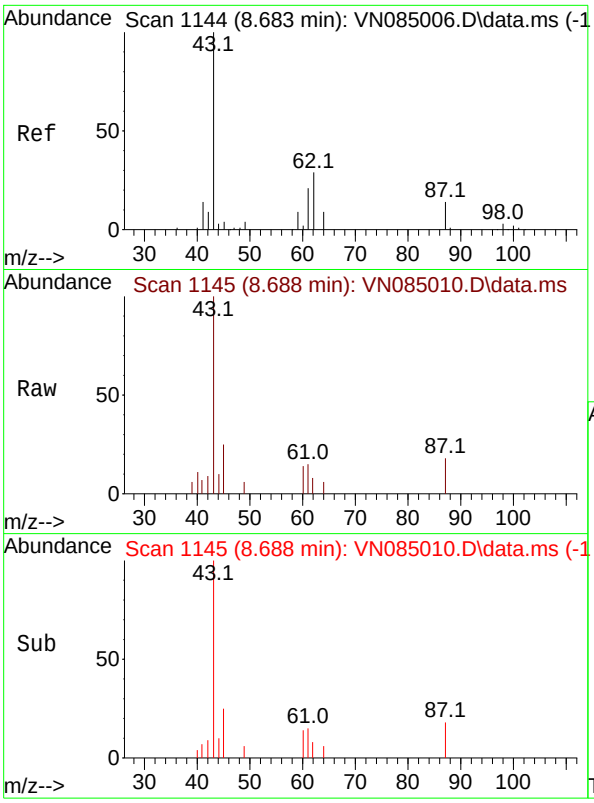


#42
1,2-Dichloroethane
Concen: 0.996 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 62 Resp: 2512

Ion	Ratio	Lower	Upper
62	100		
98	2.2	0.0	18.2



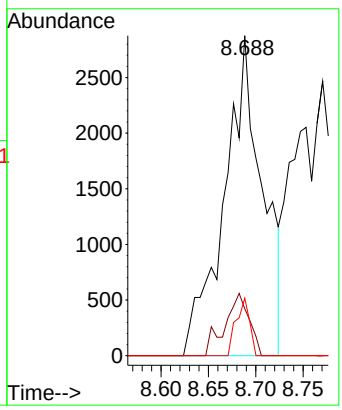


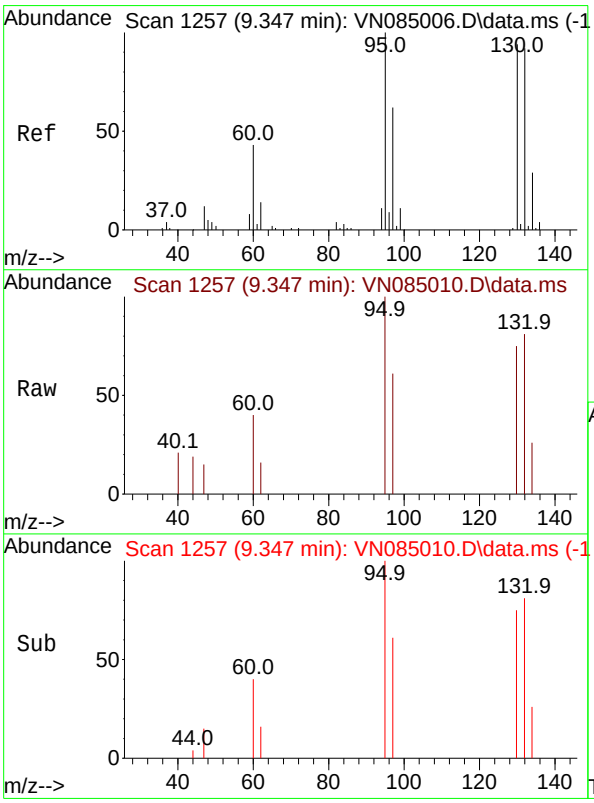
#43
Isopropyl Acetate
Concen: 1.821 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 8014

Ion	Ratio	Lower	Upper
43	100		
61	12.5	20.6	30.8#
87	6.3	11.0	16.4#

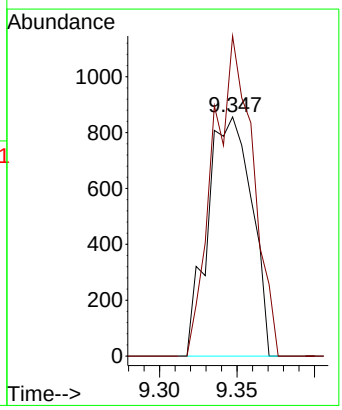


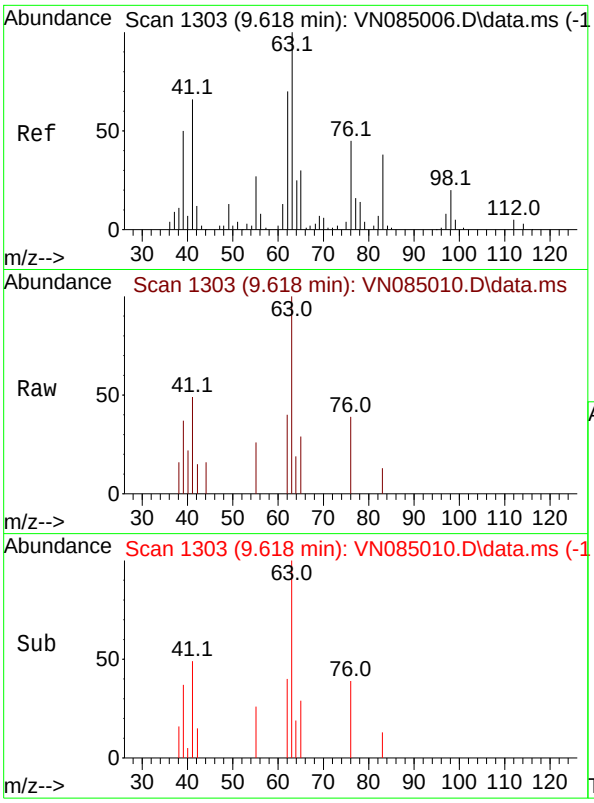


#44
Trichloroethene
Concen: 0.984 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:130 Resp: 1685

Ion	Ratio	Lower	Upper
130	100		
95	133.9	0.0	213.4



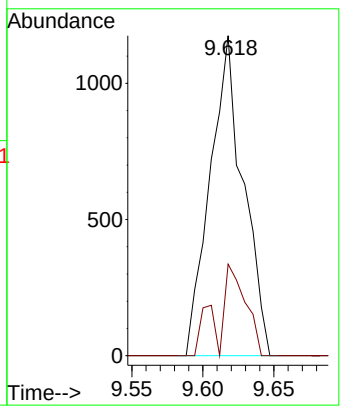


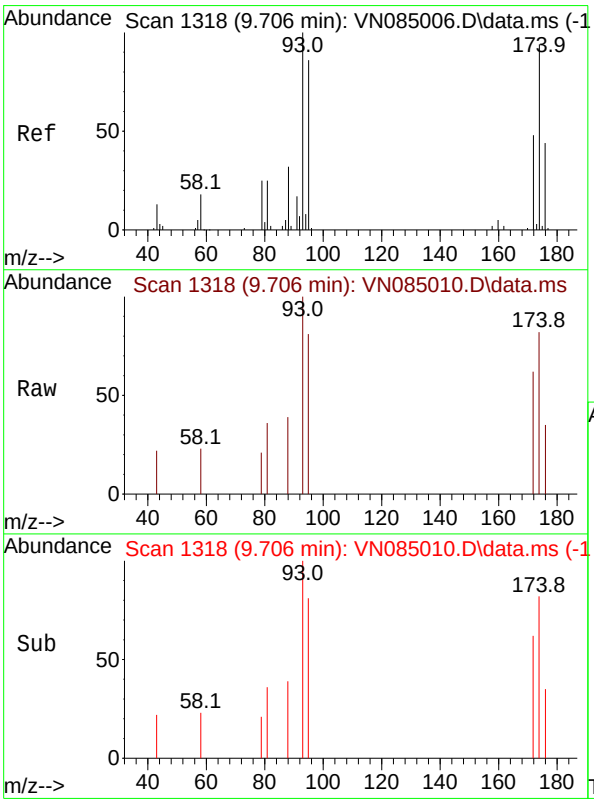
#45
1,2-Dichloropropane
Concen: 1.053 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 1911

Ion	Ratio	Lower	Upper
63	100		
65	28.6	24.0	36.0

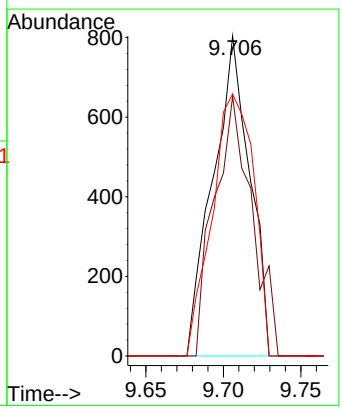


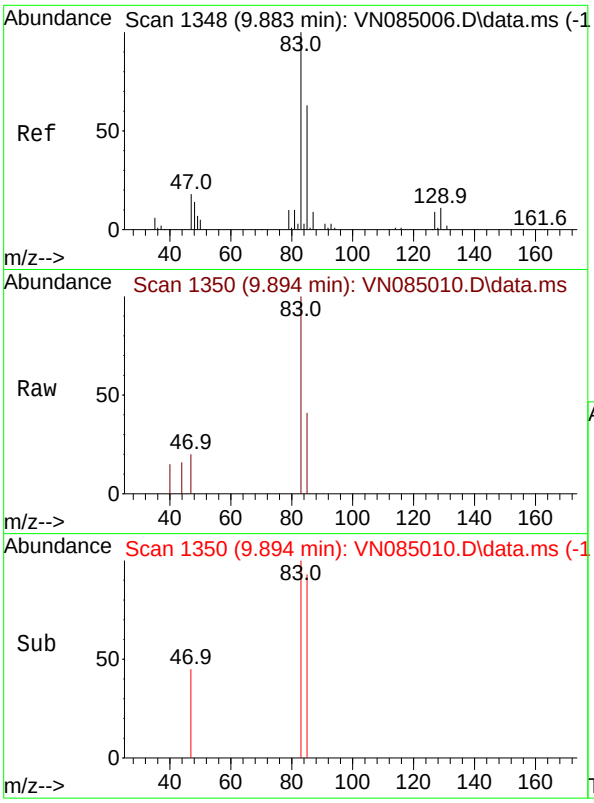


#46
Dibromomethane
Concen: 1.052 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 93 Resp: 1327

Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.2	99.4
174	92.9	74.9	112.3



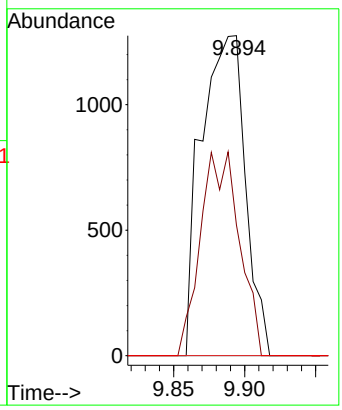


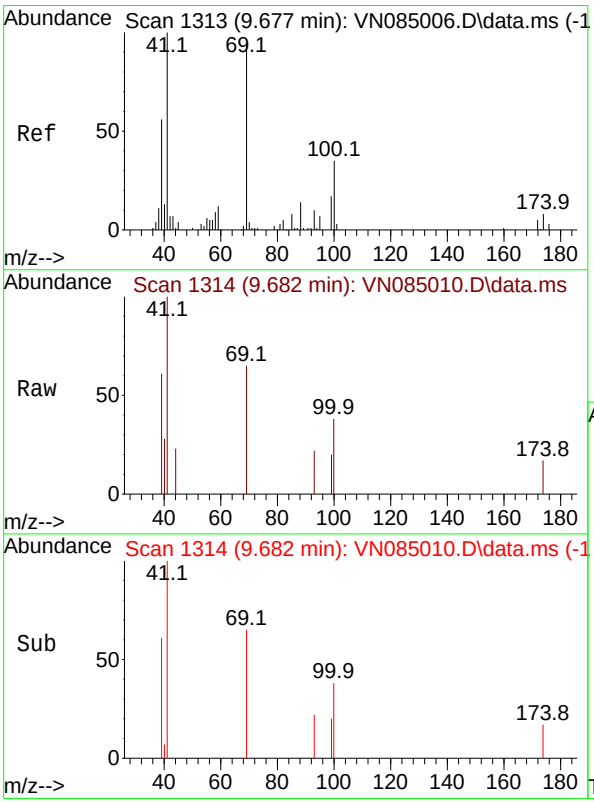
#47
Bromodichloromethane
Concen: 1.031 ug/l
RT: 9.894 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 2757

Ion	Ratio	Lower	Upper
83	100		
85	40.9	50.5	75.7#
127	0.0	7.1	10.7#

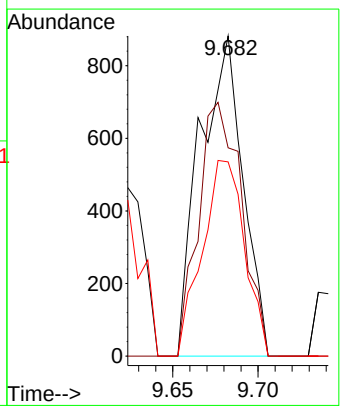


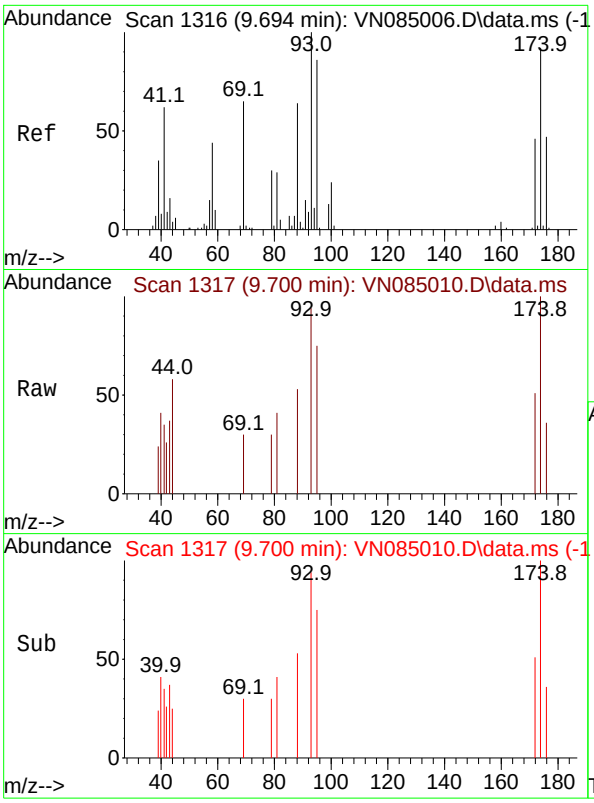


#48
Methyl methacrylate
Concen: 0.946 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 41 Resp: 1550

Ion	Ratio	Lower	Upper
41	100		
69	79.2	73.2	109.8
39	60.1	46.2	69.4



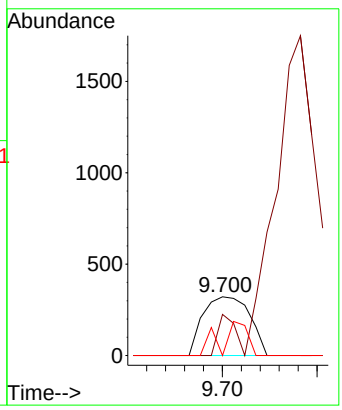


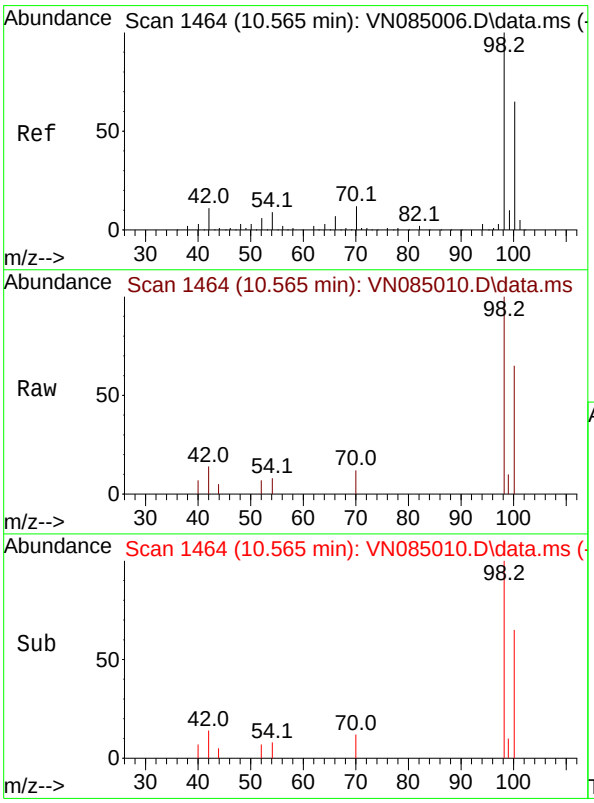
#49
1,4-Dioxane
Concen: 19.470 ug/l
RT: 9.700 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 88 Resp: 553

Ion	Ratio	Lower	Upper
88	100		
43	0.0	16.7	25.1#
58	32.4	56.5	84.7#

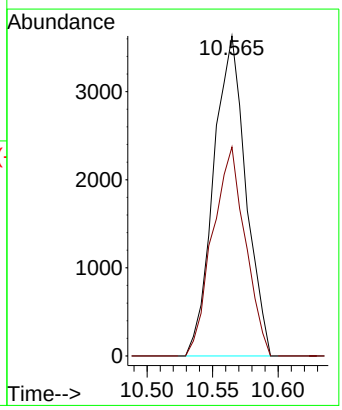


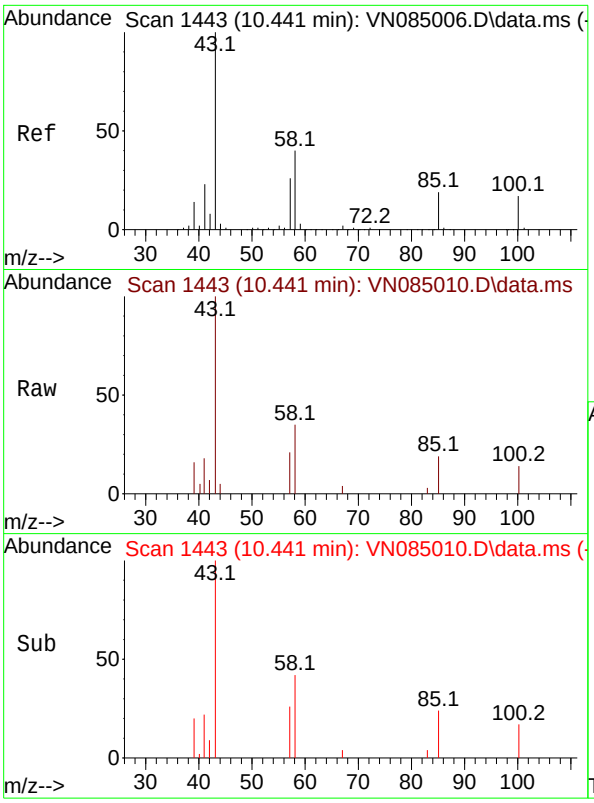


#50
Toluene-d8
Concen: 1.006 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 98 Resp: 6206

Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.5	78.7



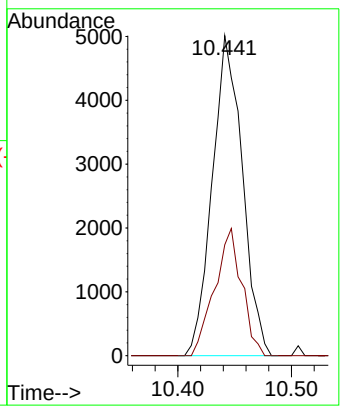


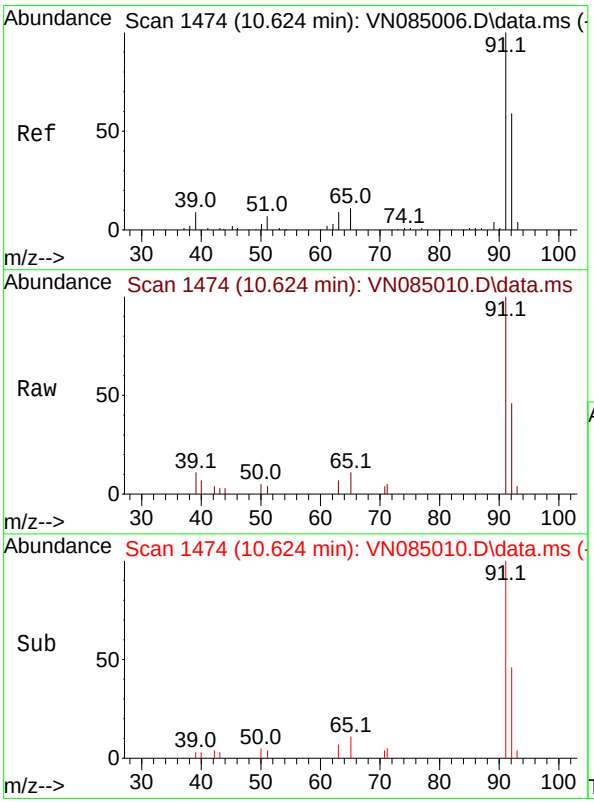
#51
4-Methyl-2-Pentanone
Concen: 4.578 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 9203

Ion	Ratio	Lower	Upper
43	100		
58	36.0	32.1	48.1

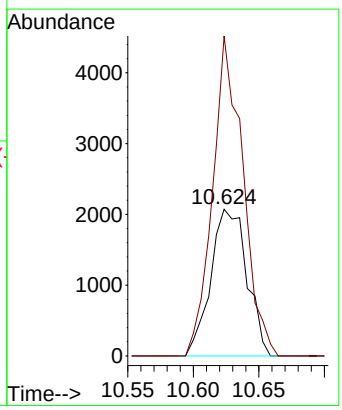


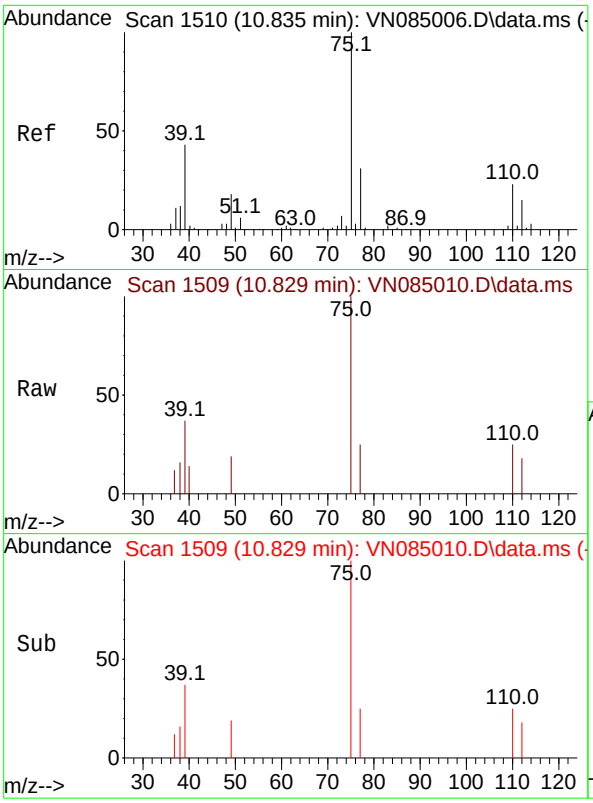


#52
Toluene
Concen: 0.912 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 92 Resp: 3979

Ion	Ratio	Lower	Upper
92	100		
91	182.5	136.7	205.1



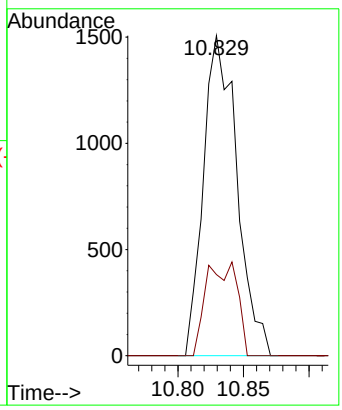


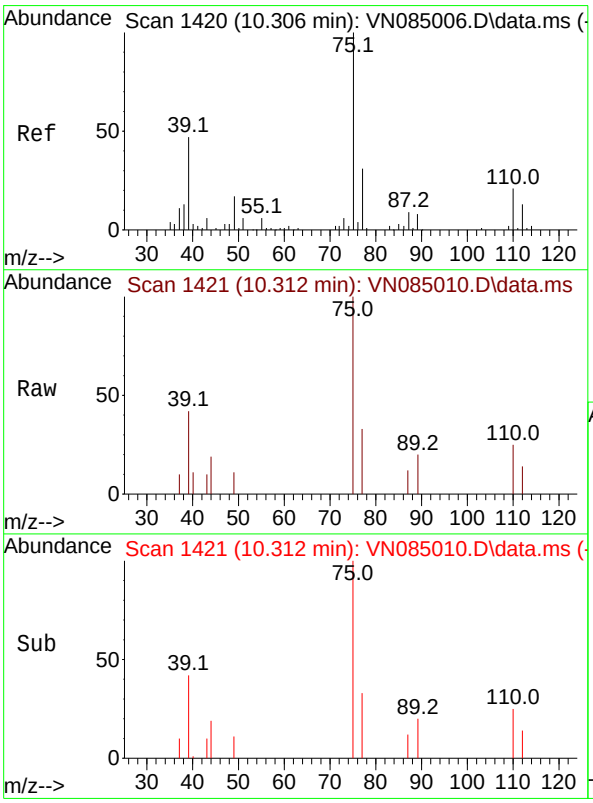
#53
t-1,3-Dichloropropene
Concen: 1.000 ug/l
RT: 10.829 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 2680

Ion	Ratio	Lower	Upper
75	100		
77	25.3	25.0	37.4

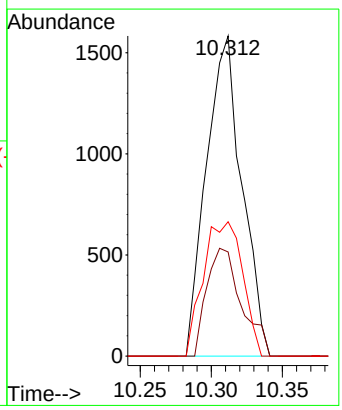


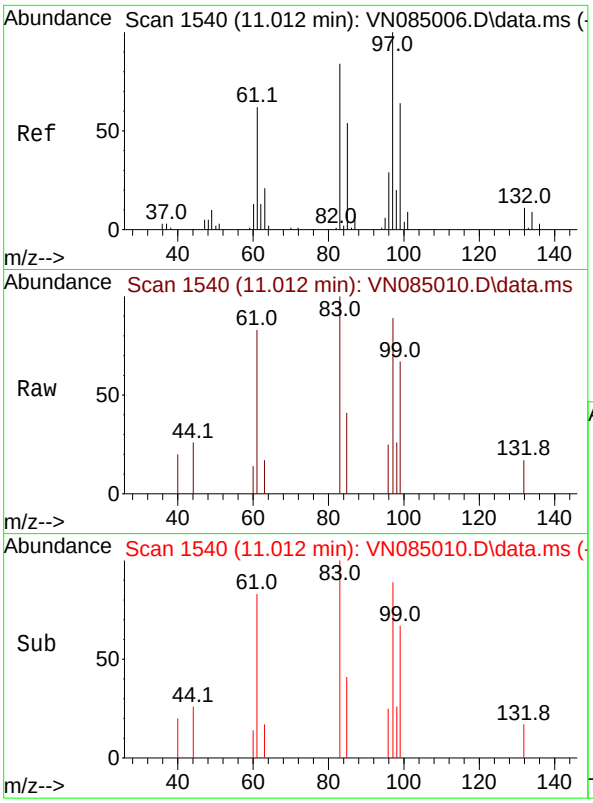


#54
cis-1,3-Dichloropropene
Concen: 0.970 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 75 Resp: 2759

Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.0	37.4
39	41.9	37.6	56.4



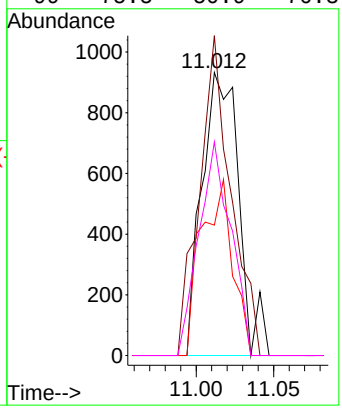


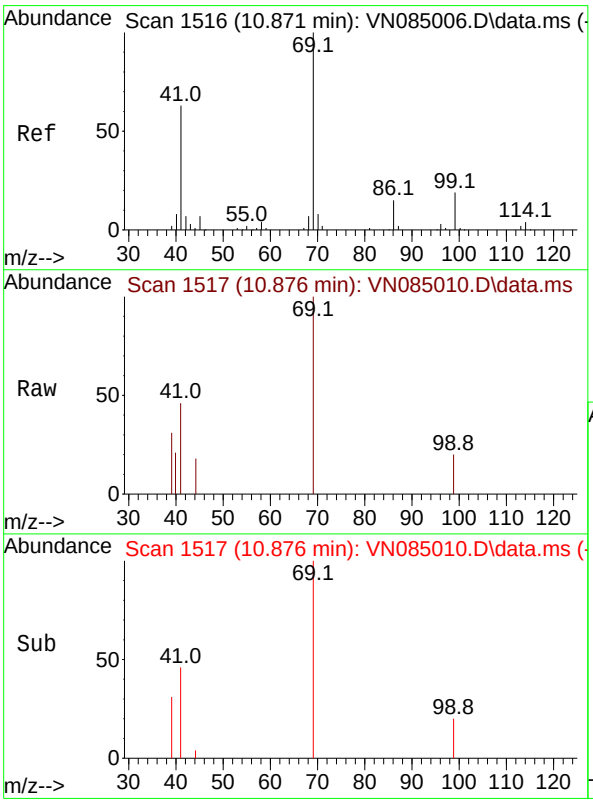
#55
1,1,2-Trichloroethane
Concen: 0.945 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 1536

Ion	Ratio	Lower	Upper
97	100		
83	113.0	67.4	101.2#
85	46.1	43.1	64.7
99	75.5	50.9	76.3

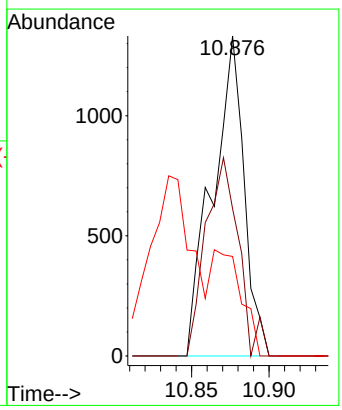


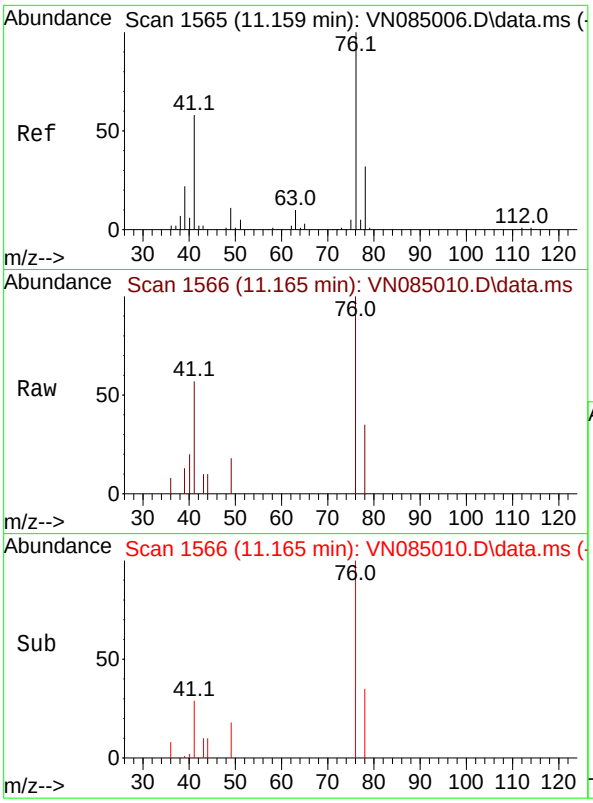


#56
Ethyl methacrylate
Concen: 0.795 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 69 Resp: 1888

Ion	Ratio	Lower	Upper
69	100		
41	64.1	50.0	75.0
39	31.6	27.0	40.6



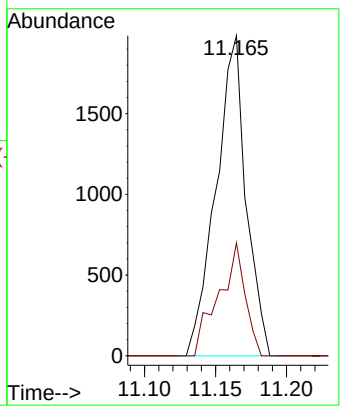


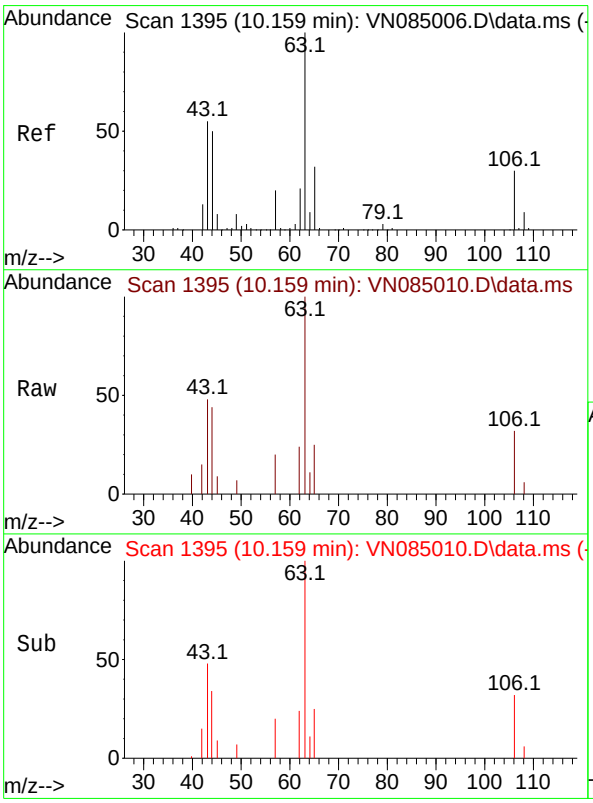
#57
1,3-Dichloropropane
Concen: 1.020 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 2917

Ion	Ratio	Lower	Upper
76	100		
78	31.1	26.1	39.1

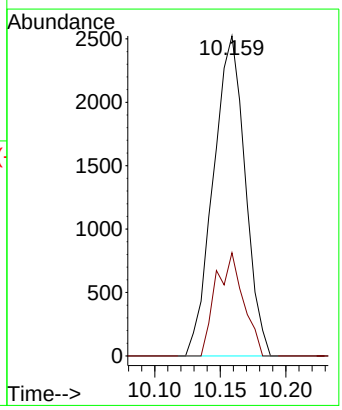


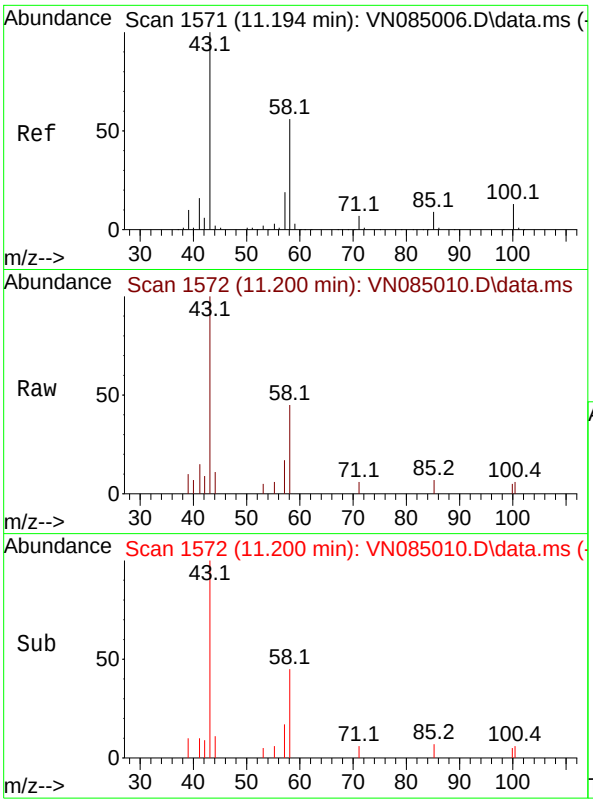


#58
2-Chloroethyl Vinyl ether
Concen: 3.651 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 63 Resp: 4254

Ion	Ratio	Lower	Upper
63	100		
106	28.0	23.0	34.6



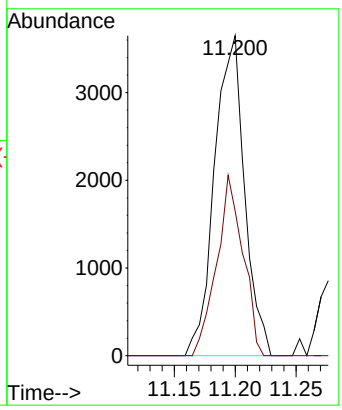


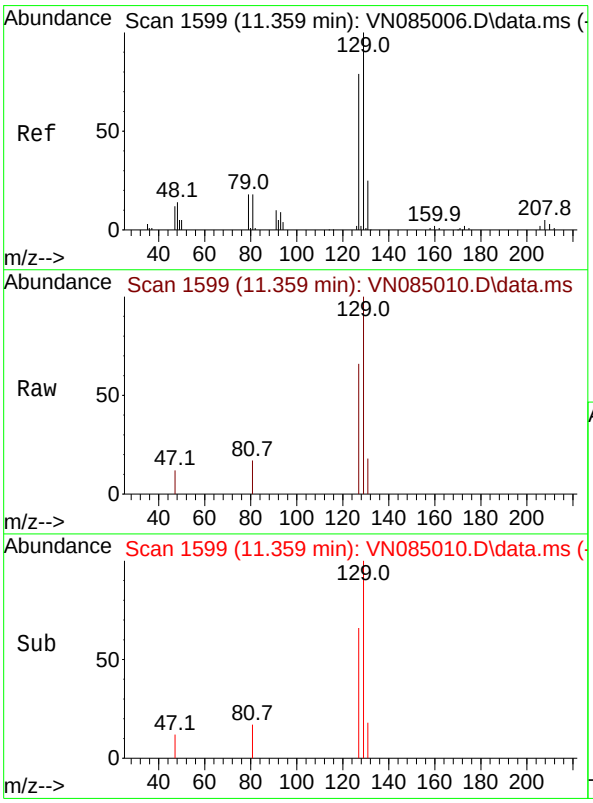
#59
2-Hexanone
Concen: 4.166 ug/l
RT: 11.200 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 6264

Ion	Ratio	Lower	Upper
43	100		
58	49.4	28.3	85.0

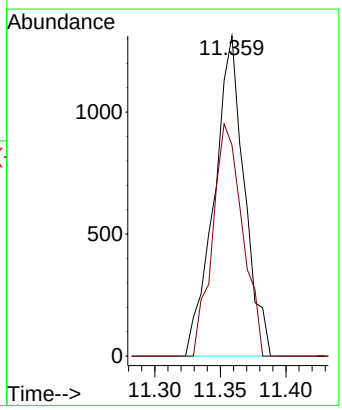


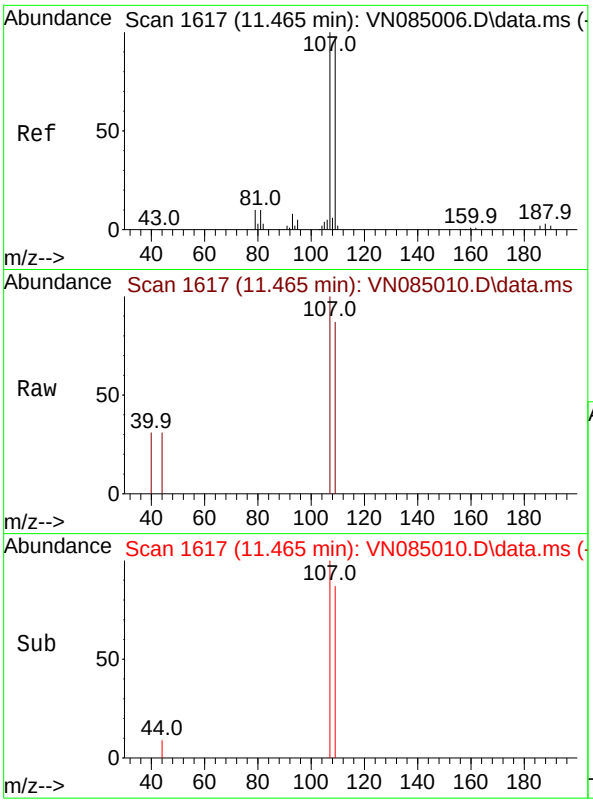


#60
Dibromochloromethane
Concen: 1.057 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:129 Resp: 2099

Ion	Ratio	Lower	Upper
129	100		
127	72.0	39.2	117.6



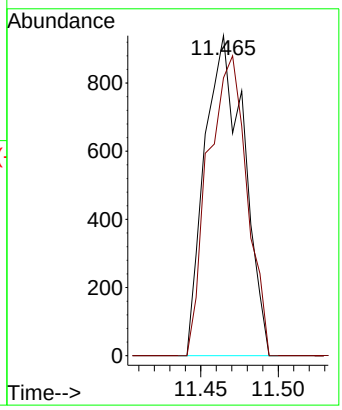


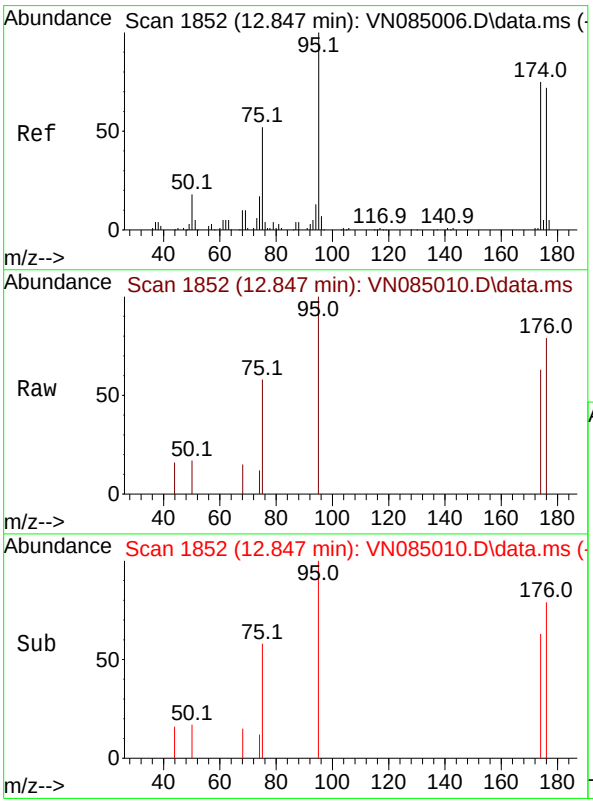
#61
1,2-Dibromoethane
Concen: 0.980 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 1648

Ion	Ratio	Lower	Upper
107	100		
109	93.0	76.1	114.1

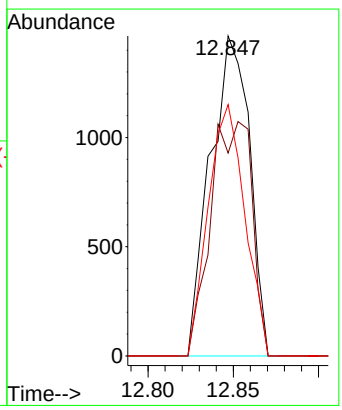


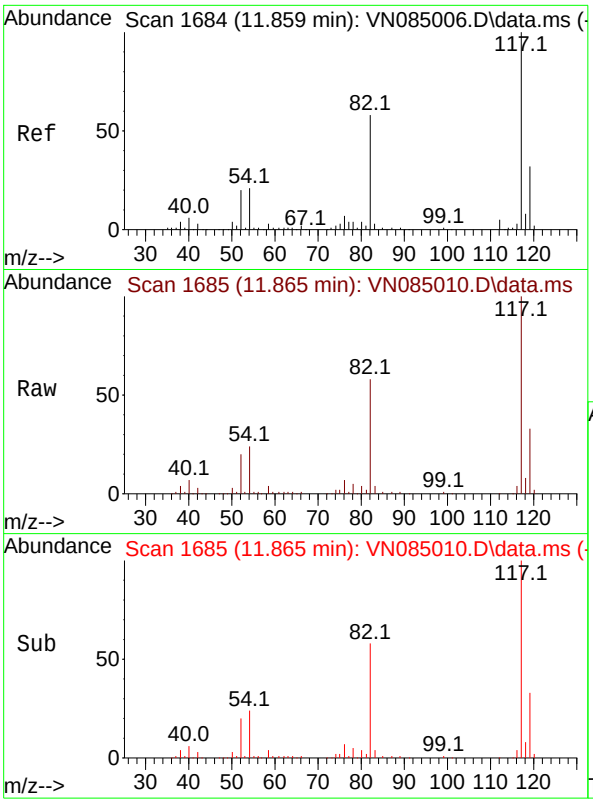


#62
4-Bromofluorobenzene
Concen: 1.019 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 95 Resp: 2351

Ion	Ratio	Lower	Upper
95	100		
174	77.2	0.0	146.6
176	73.4	0.0	141.8



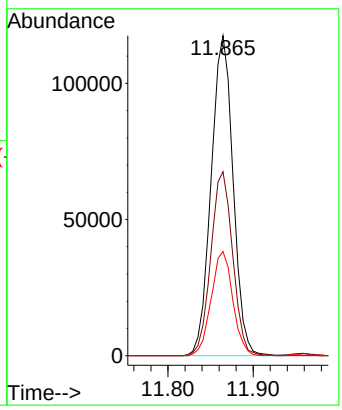


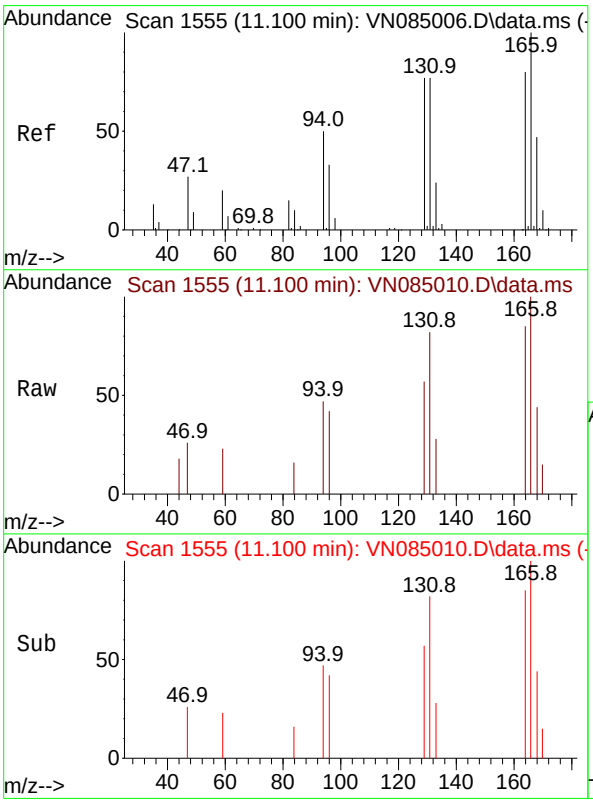
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 210265

Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.0	69.0
119	32.5	25.6	38.4

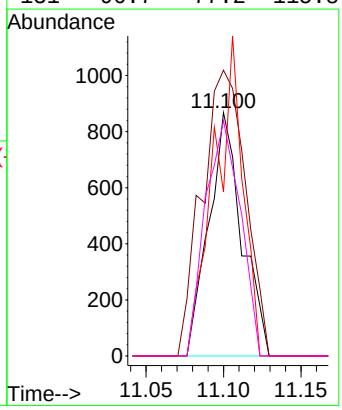


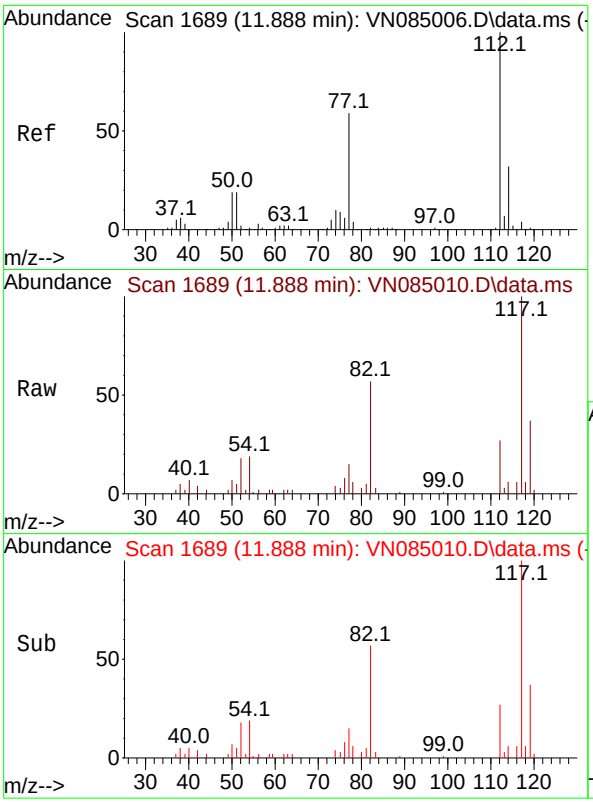


#64
Tetrachloroethene
Concen: 0.911 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:164 Resp: 1291

Ion	Ratio	Lower	Upper
164	100		
166	117.4	100.6	151.0
129	67.4	77.7	116.5#
131	96.7	77.2	115.8



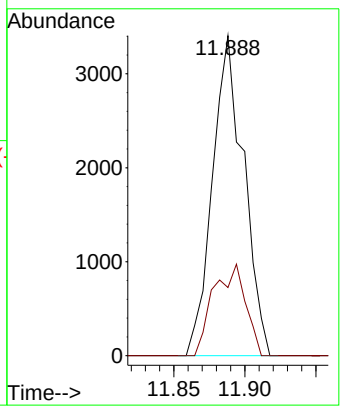


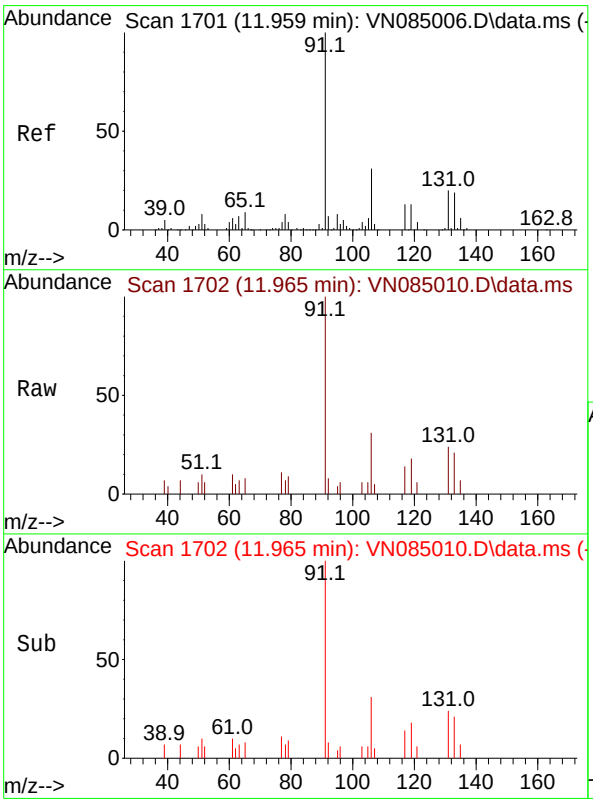
#65
Chlorobenzene
Concen: 1.094 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 5217

Ion	Ratio	Lower	Upper
112	100		
114	21.3	25.8	38.6#

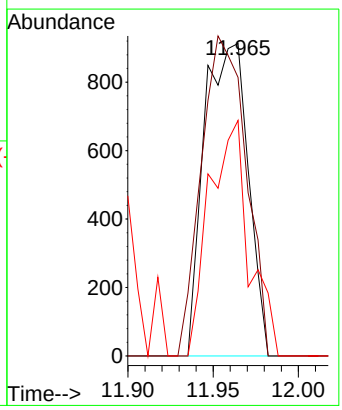


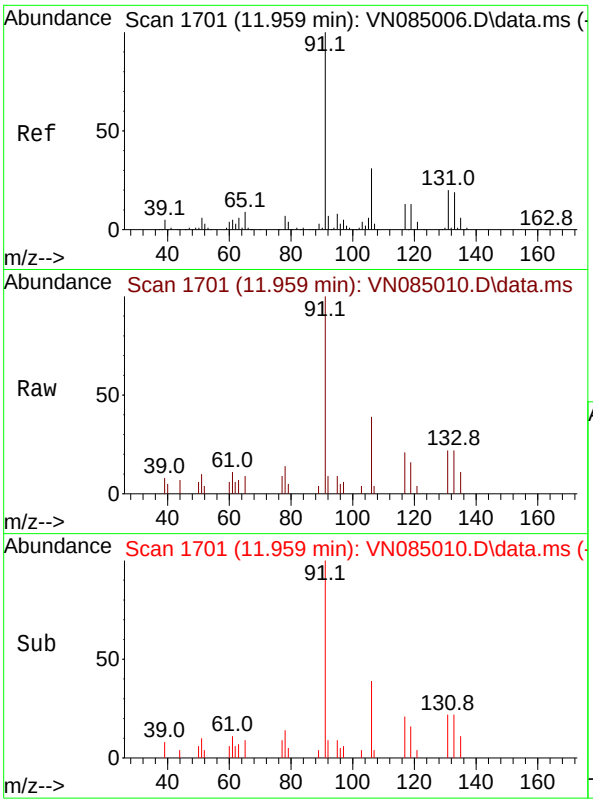


#66
1,1,1,2-Tetrachloroethane
Concen: 0.976 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:131 Resp: 1639

Ion	Ratio	Lower	Upper
131	100		
133	104.3	47.8	143.4
119	0.0	32.1	96.3#



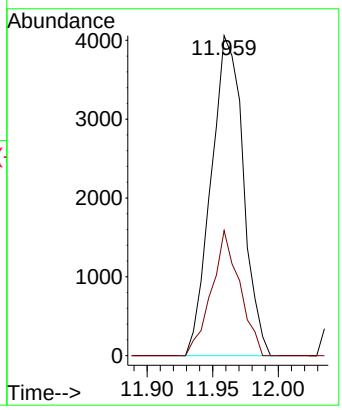


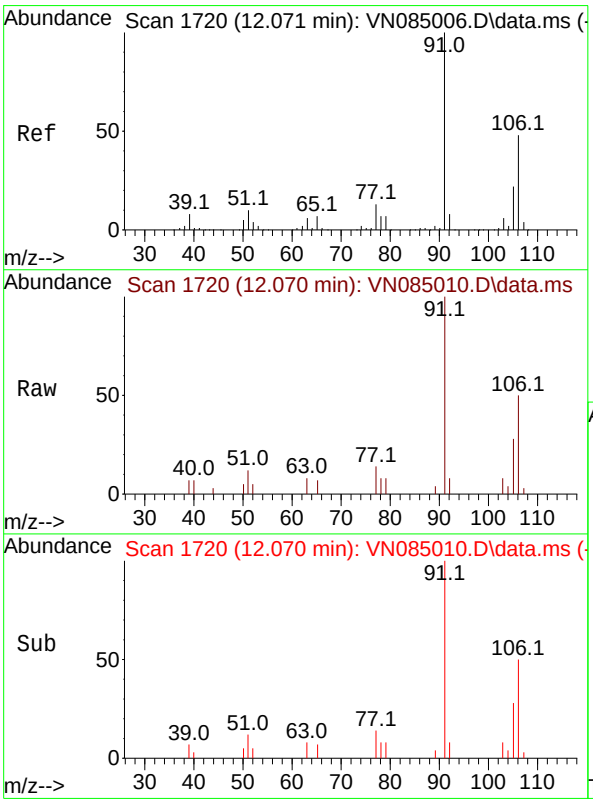
#67
Ethyl Benzene
Concen: 0.894 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 6914

Ion	Ratio	Lower	Upper
91	100		
106	39.1	24.7	37.1#

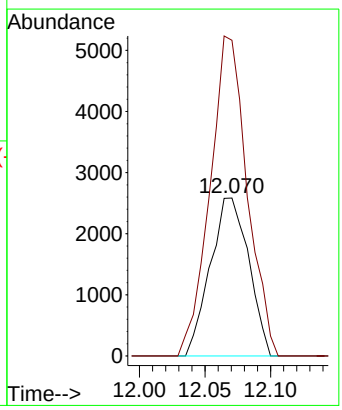


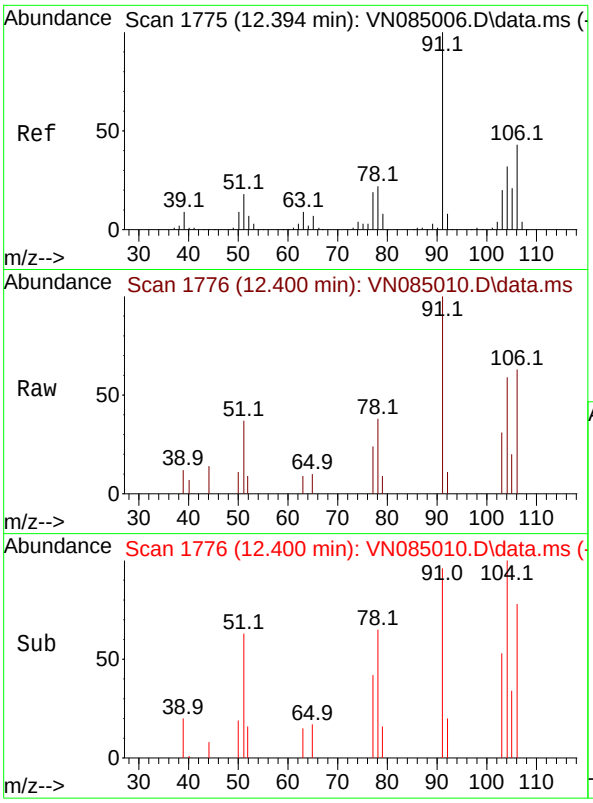


#68
m/p-Xylenes
Concen: 1.789 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:106 Resp: 5269

Ion	Ratio	Lower	Upper
106	100		
91	195.9	168.0	252.0



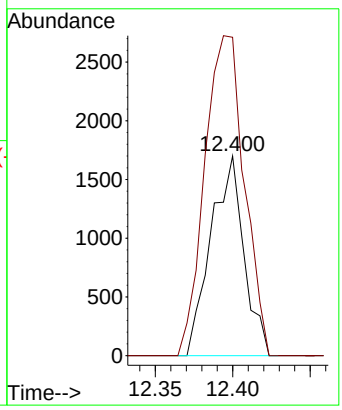


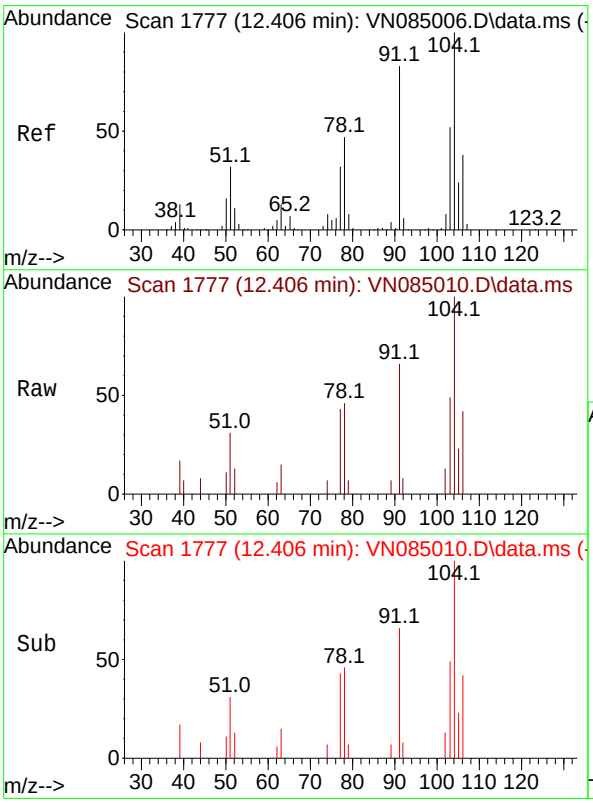
#69
o-Xylene
Concen: 0.897 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 2514

Ion	Ratio	Lower	Upper
106	100		
91	192.8	110.7	331.9

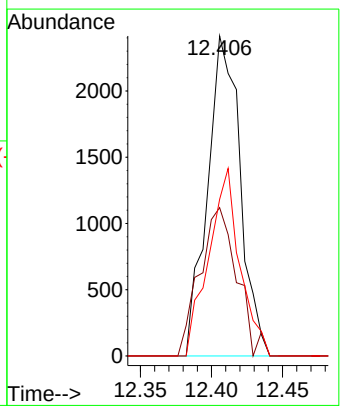


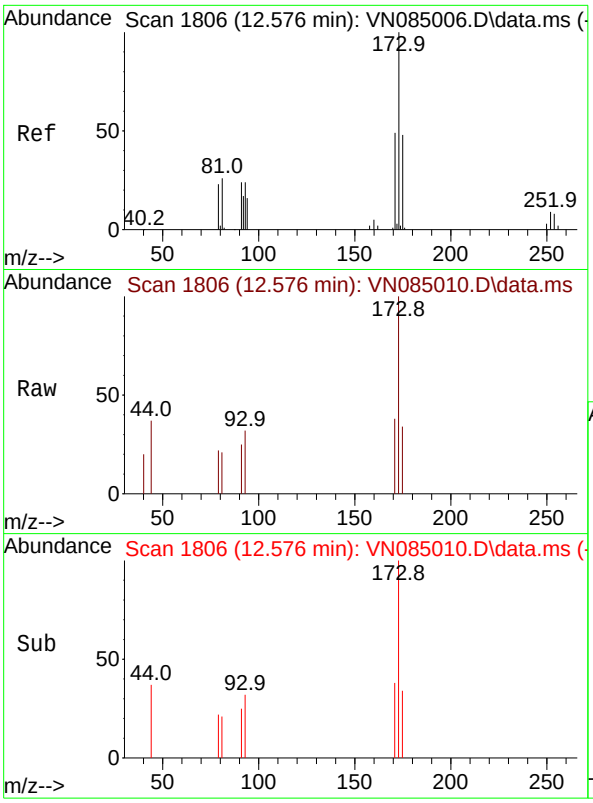


#70
Styrene
Concen: 0.831 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:104 Resp: 3871

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.3	63.5
103	56.0	44.2	66.2



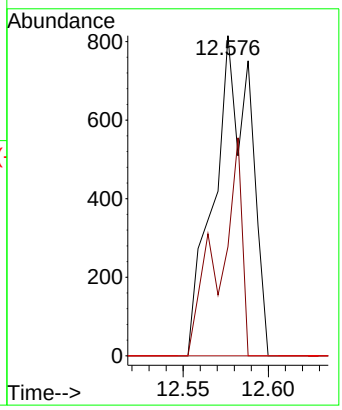


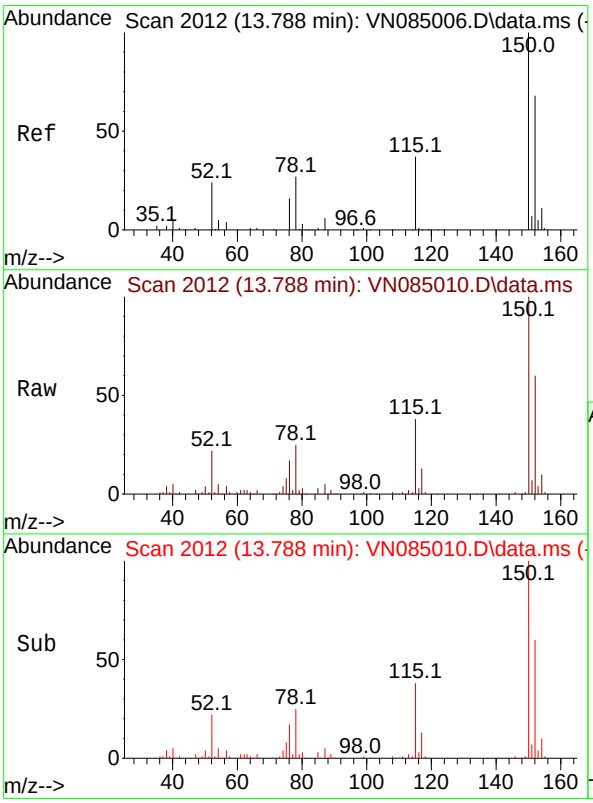
#71
Bromoform
Concen: 0.975 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 1215

Ion	Ratio	Lower	Upper
173	100		
175	42.1	23.8	71.2
254	0.0	0.0	0.0

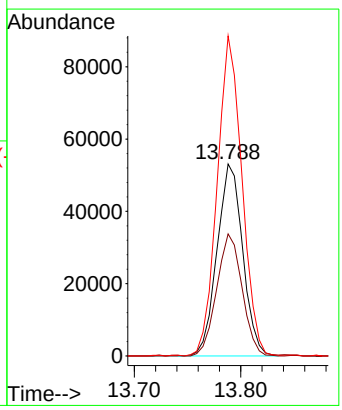


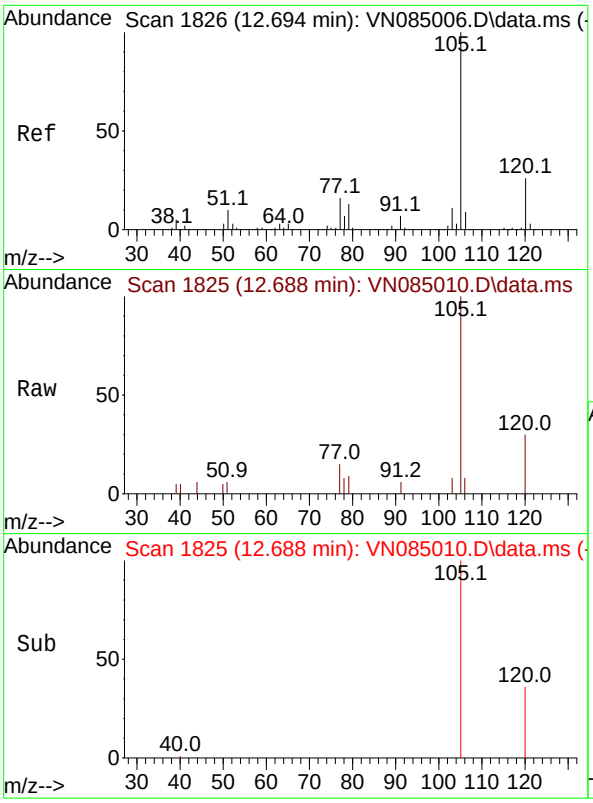


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:152 Resp: 88784

Ion	Ratio	Lower	Upper
152	100		
115	62.8	31.7	95.1
150	161.6	0.0	351.4



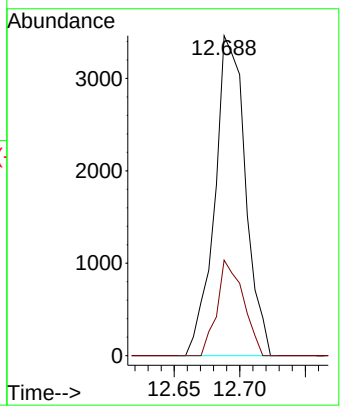


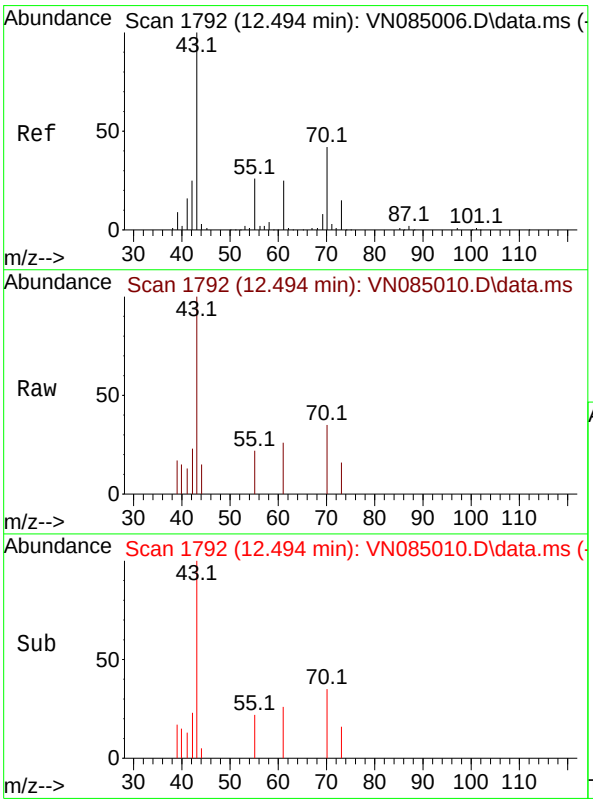
#73
Isopropylbenzene
Concen: 0.900 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 5637

Ion	Ratio	Lower	Upper
105	100		
120	25.5	13.0	39.0

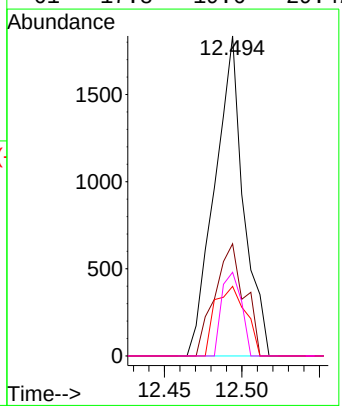


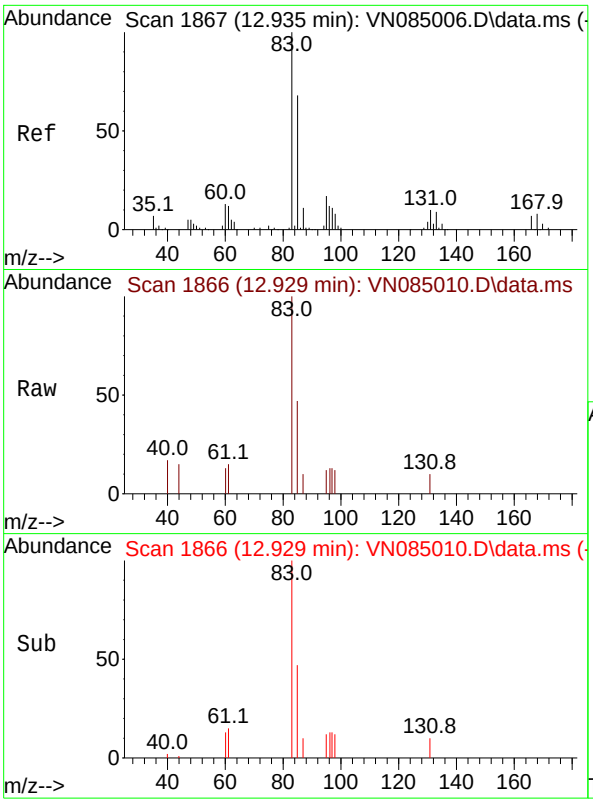


#74
N-amyl acetate
Concen: 0.921 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 43 Resp: 2377

Ion	Ratio	Lower	Upper
43	100		
70	36.0	34.6	51.8
55	23.1	20.5	30.7
61	17.8	19.6	29.4#



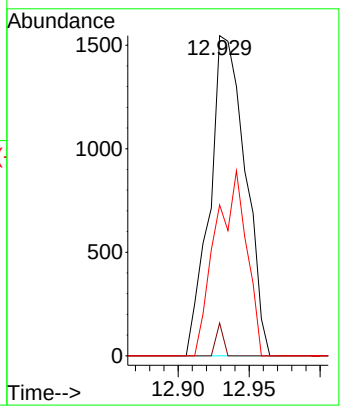


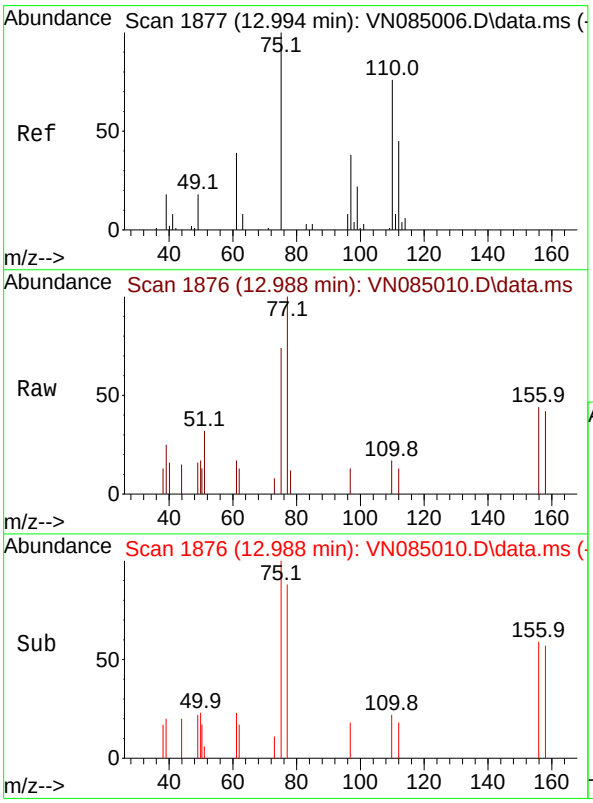
#75
1,1,2,2-Tetrachloroethane
Concen: 1.260 ug/l
RT: 12.929 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 2694

Ion	Ratio	Lower	Upper
83	100		
131	2.1	5.1	15.4#
85	50.6	32.1	96.3

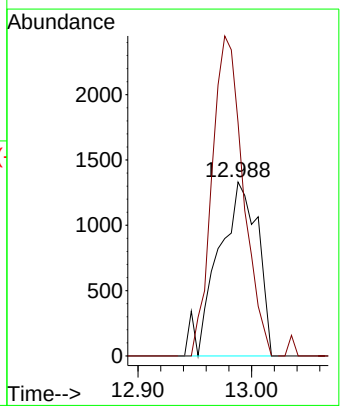


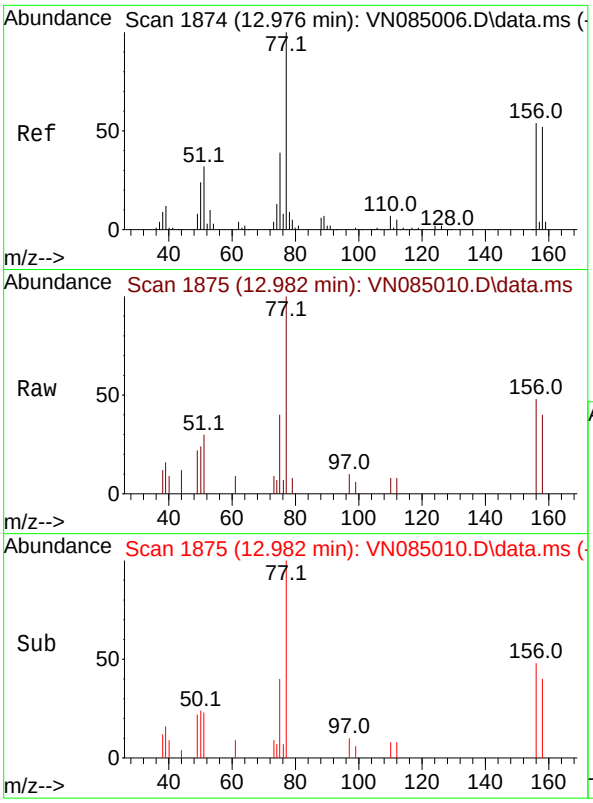


#76
1,2,3-Trichloropropane
Concen: 1.946 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 75 Resp: 3232

Ion	Ratio	Lower	Upper
75	100		
77	144.6	109.1	327.4



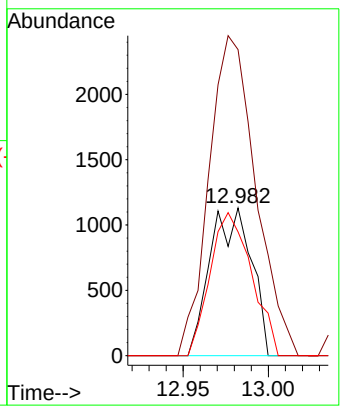


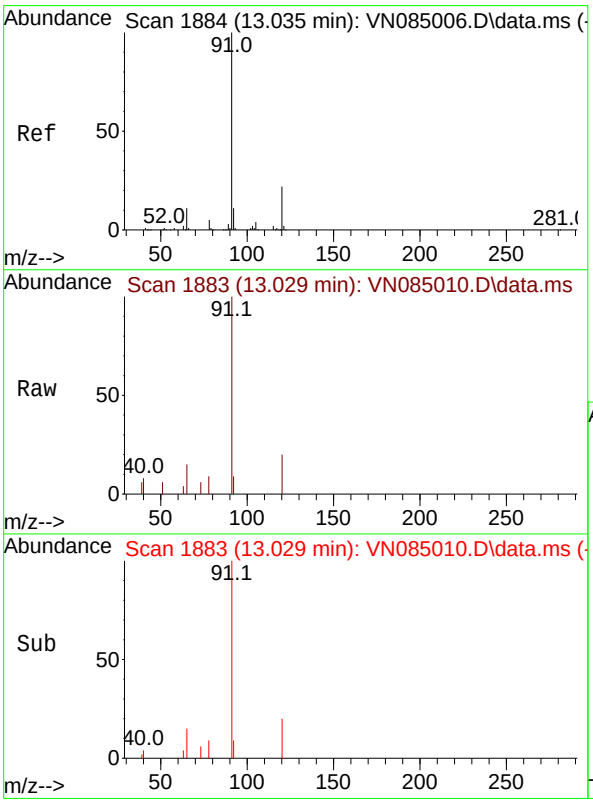
#77
Bromobenzene
Concen: 1.129 ug/l
RT: 12.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:156 Resp: 1903

Ion	Ratio	Lower	Upper
156	100		
77	245.7	107.2	321.6
158	97.5	48.5	145.6

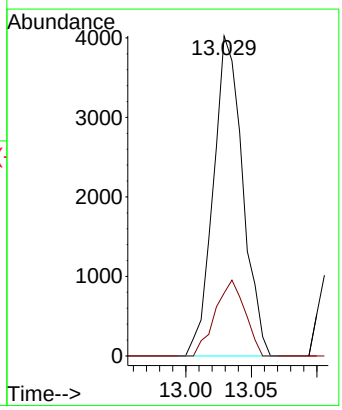


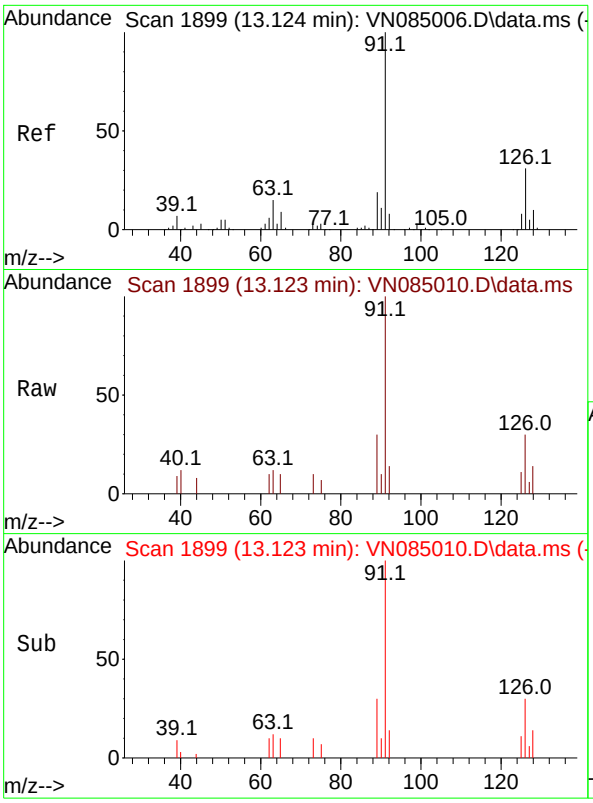


#78
n-propylbenzene
Concen: 0.869 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 91 Resp: 6275

Ion	Ratio	Lower	Upper
91	100		
120	24.0	11.3	33.9



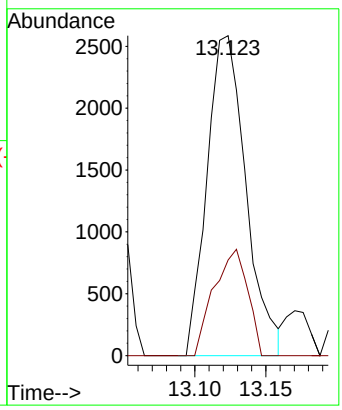


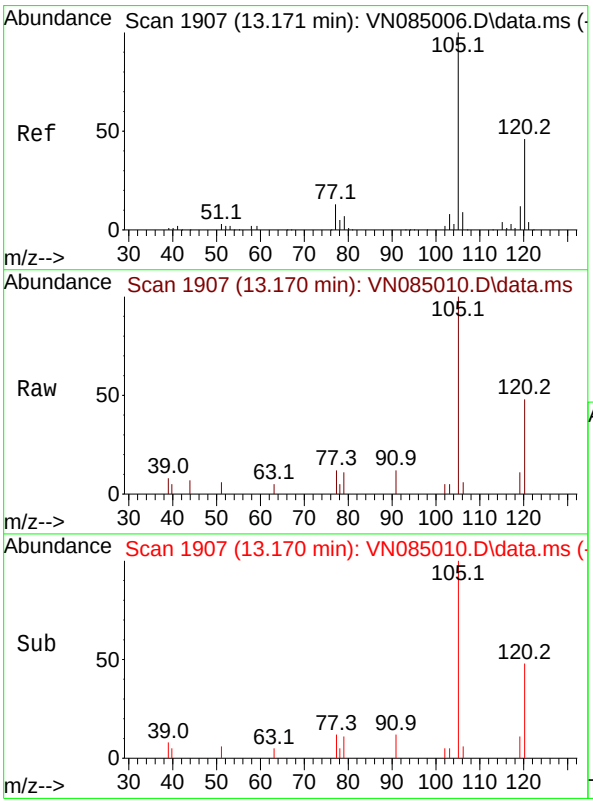
#79
2-Chlorotoluene
Concen: 1.023 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 4935

Ion	Ratio	Lower	Upper
91	100		
126	28.8	16.1	48.3

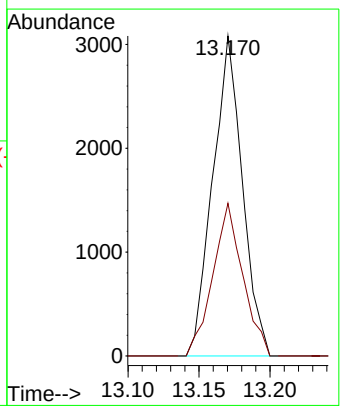


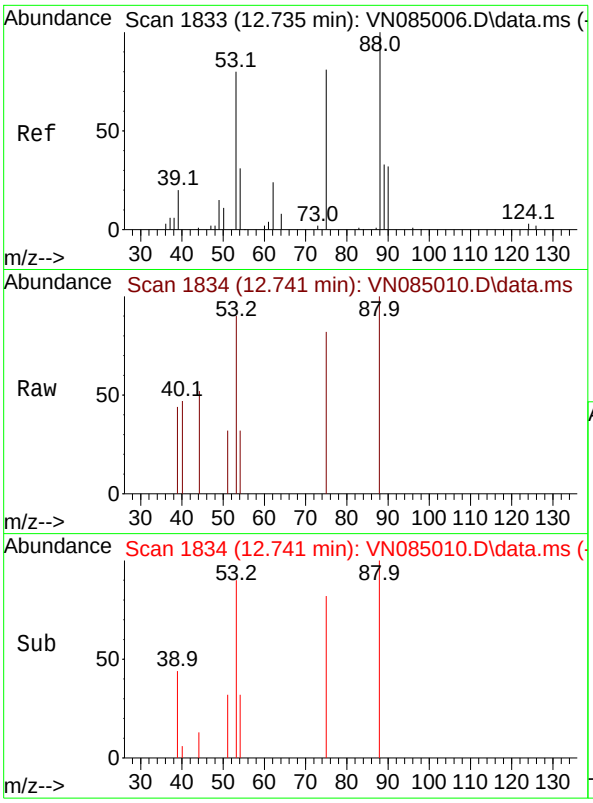


#80
1,3,5-Trimethylbenzene
Concen: 0.851 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:105 Resp: 4473

Ion	Ratio	Lower	Upper
105	100		
120	48.3	23.6	71.0



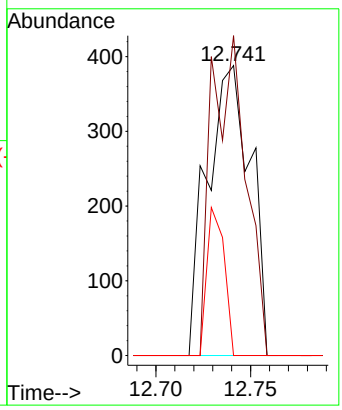


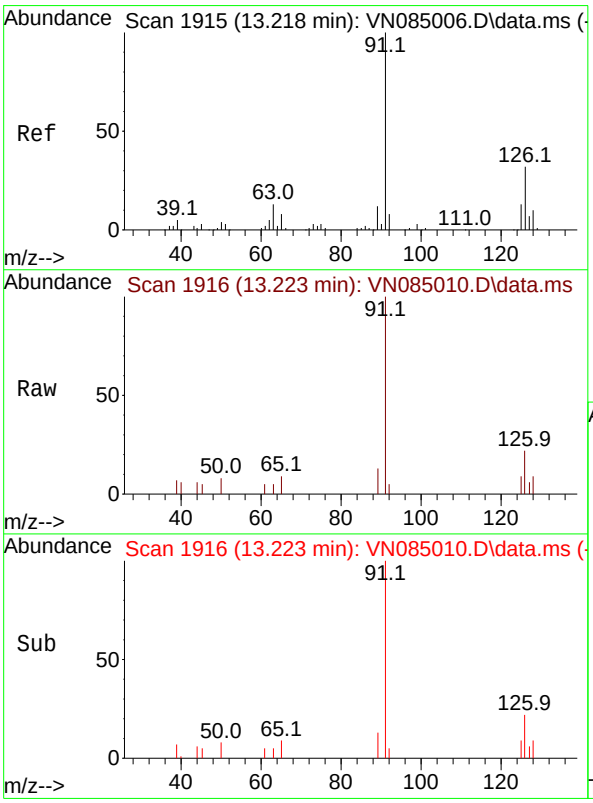
#81
trans-1,4-Dichloro-2-butene
Concen: 0.871 ug/l
RT: 12.741 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 619

Ion	Ratio	Lower	Upper
75	100		
53	86.9	78.2	117.4
89	20.4	37.9	56.9#

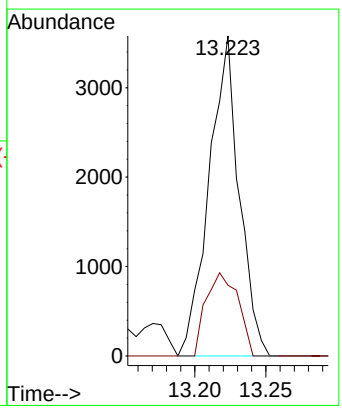


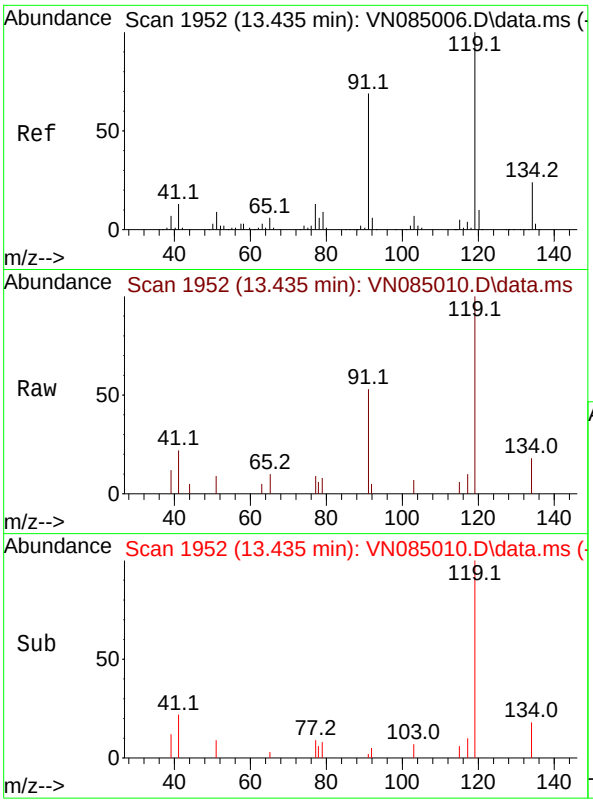


#82
4-Chlorotoluene
Concen: 1.053 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 91 Resp: 5286

Ion	Ratio	Lower	Upper
91	100		
126	27.6	16.1	48.3



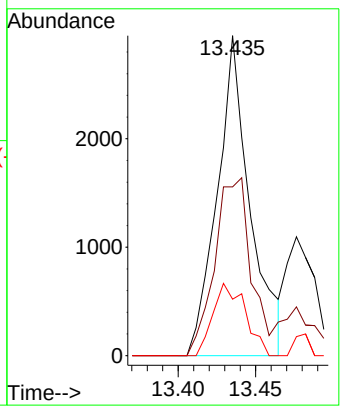


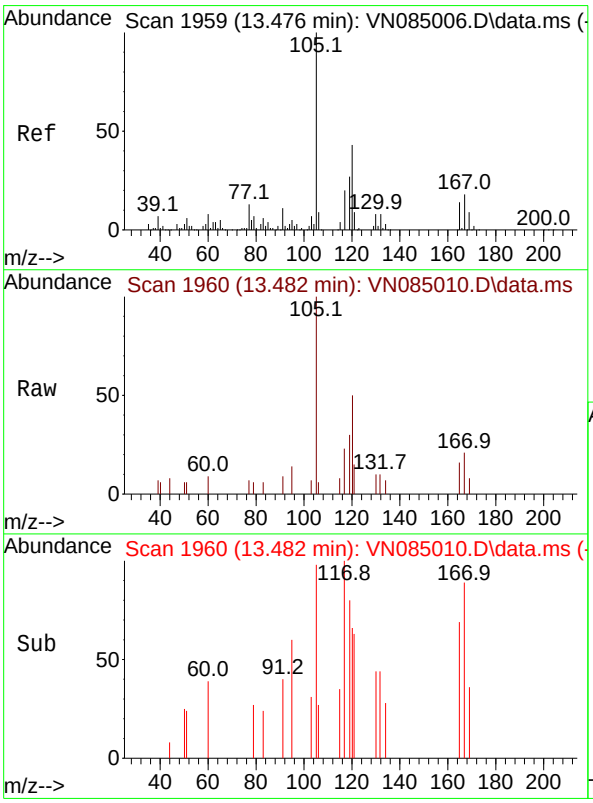
#83
tert-Butylbenzene
Concen: 0.963 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 4357

Ion	Ratio	Lower	Upper
119	100		
91	61.2	35.1	105.5
134	22.2	12.1	36.3

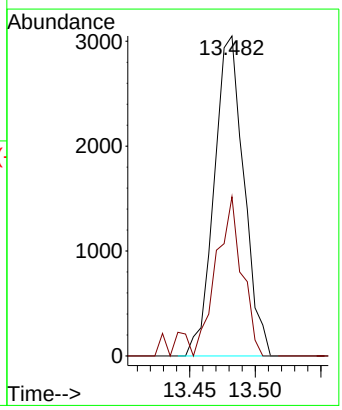


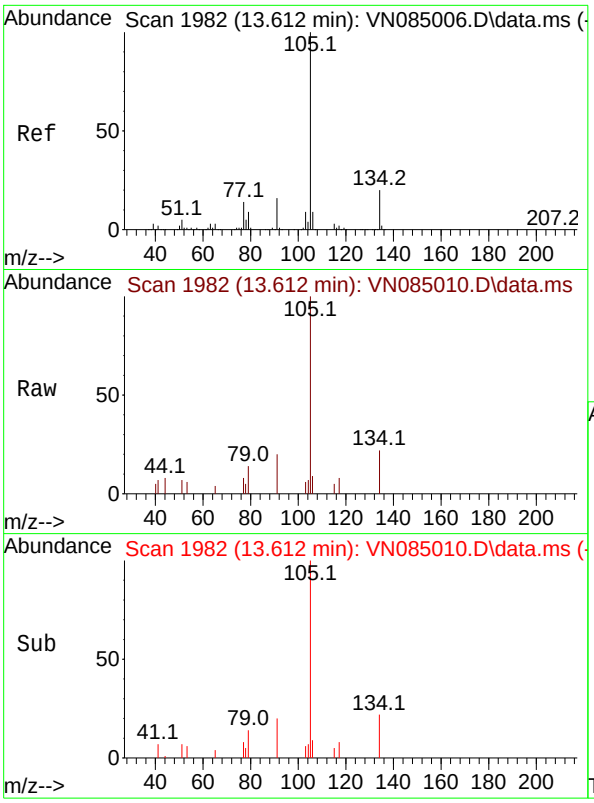


#84
1,2,4-Trimethylbenzene
Concen: 0.888 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:105 Resp: 4802

Ion	Ratio	Lower	Upper
105	100		
120	43.4	21.8	65.4



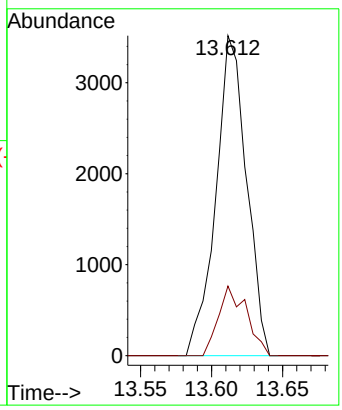


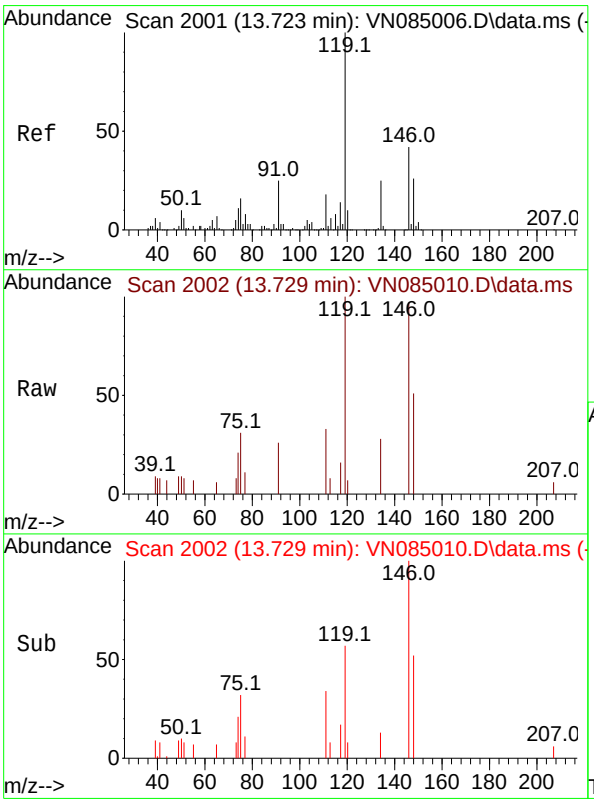
#85
sec-Butylbenzene
Concen: 0.865 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 5284

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.3

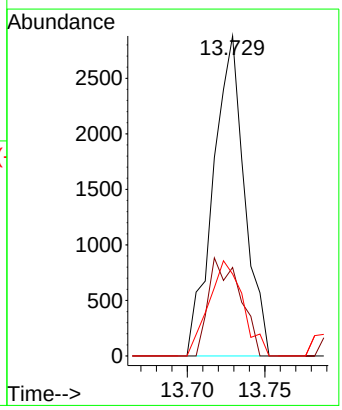


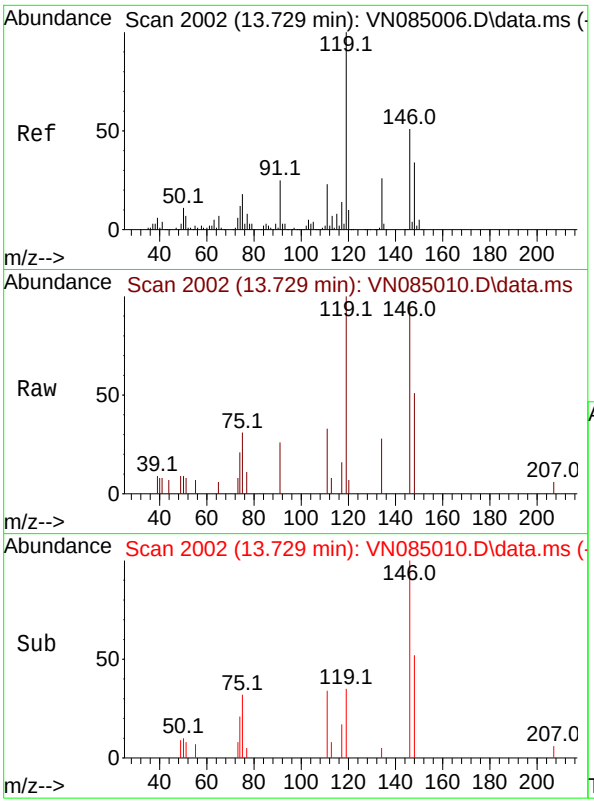


#86
p-Isopropyltoluene
Concen: 0.803 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:119 Resp: 4047

Ion	Ratio	Lower	Upper
119	100		
134	31.1	13.0	39.0
91	32.5	12.8	38.4



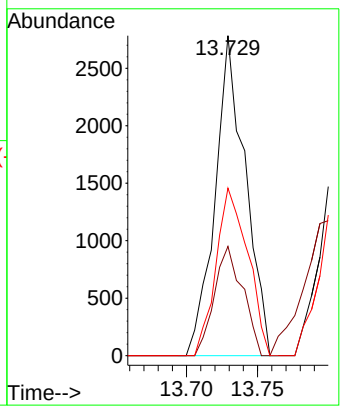


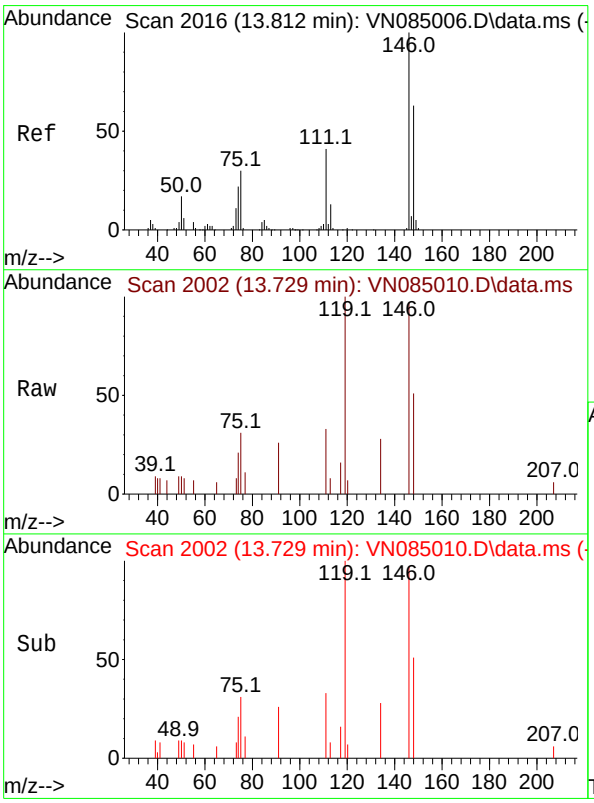
#87
1,3-Dichlorobenzene
Concen: 1.243 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 4131

Ion	Ratio	Lower	Upper
146	100		
111	32.0	21.6	65.0
148	54.9	32.2	96.6

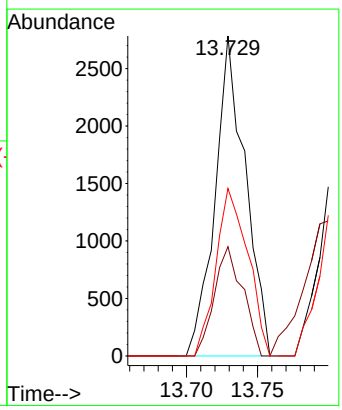


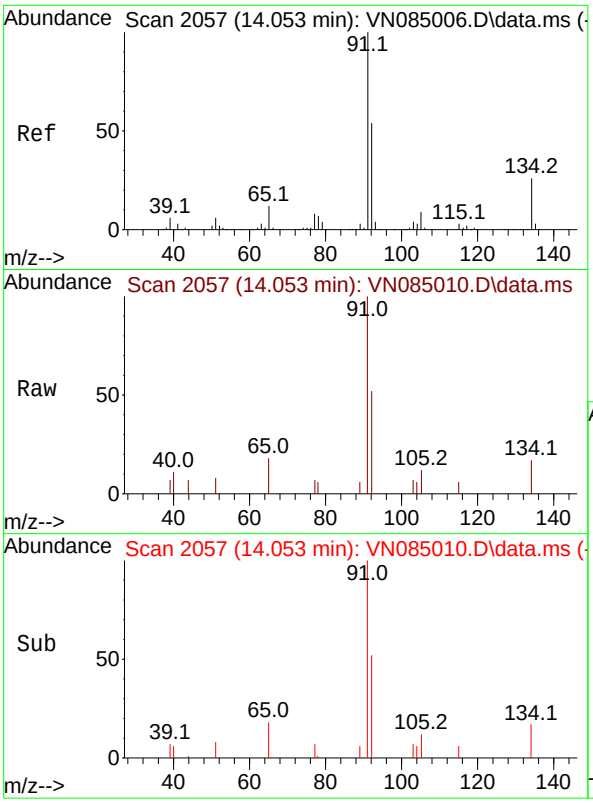


#88
1,4-Dichlorobenzene
Concen: 1.218 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.083 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:146 Resp: 4131

Ion	Ratio	Lower	Upper
146	100		
111	32.0	20.9	62.8
148	54.9	31.3	93.9



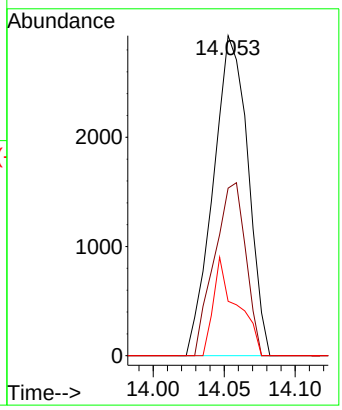


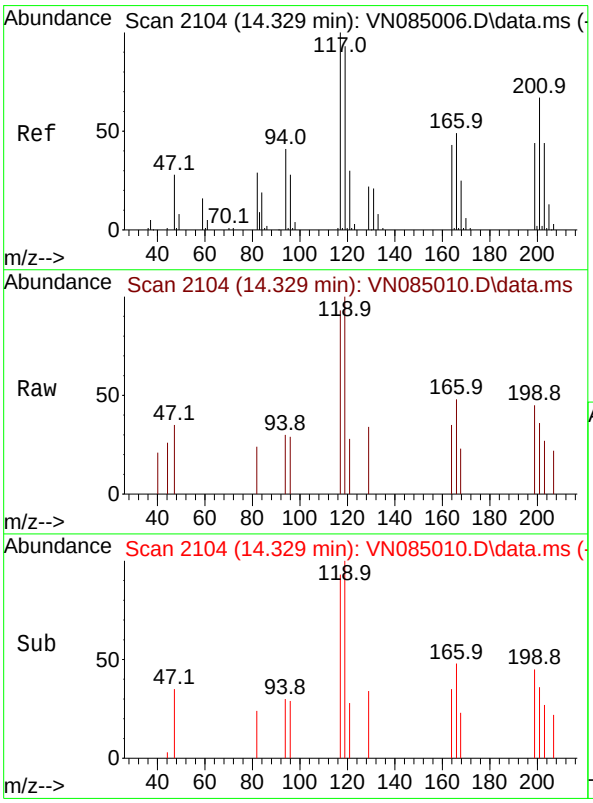
#89
n-Butylbenzene
Concen: 1.062 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 4981

Ion	Ratio	Lower	Upper
91	100		
92	48.8	26.8	80.3
134	20.8	12.8	38.4

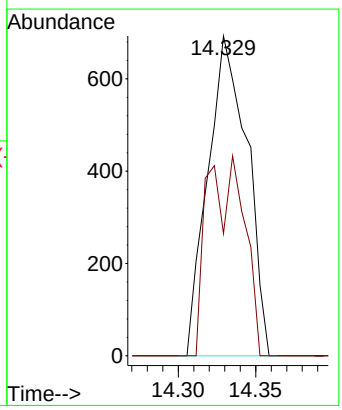


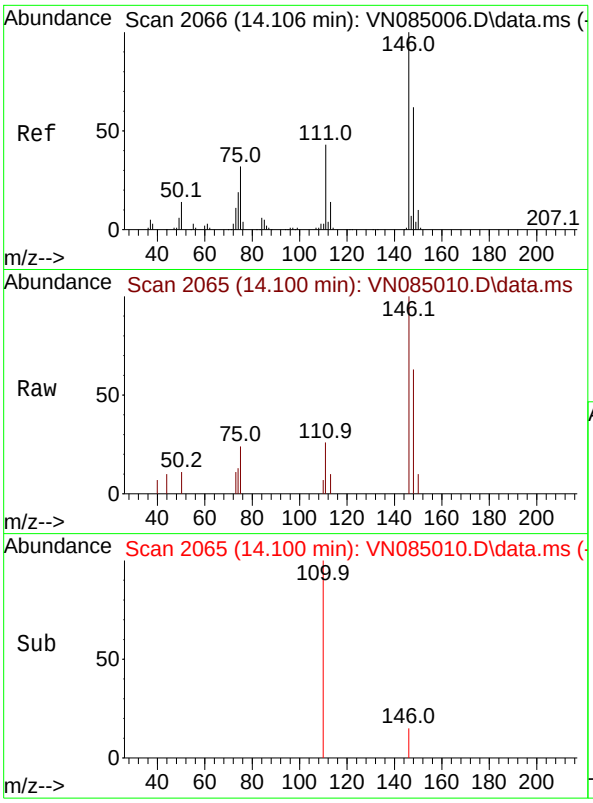


#90
Hexachloroethane
Concen: 1.107 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:117 Resp: 1217

Ion	Ratio	Lower	Upper
117	100		
201	30.8	35.2	105.6#



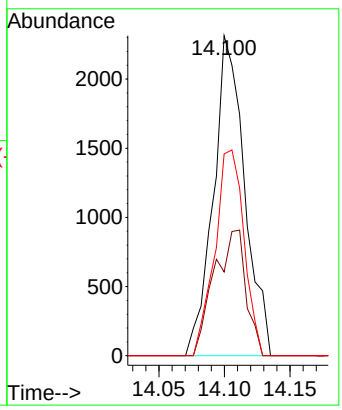


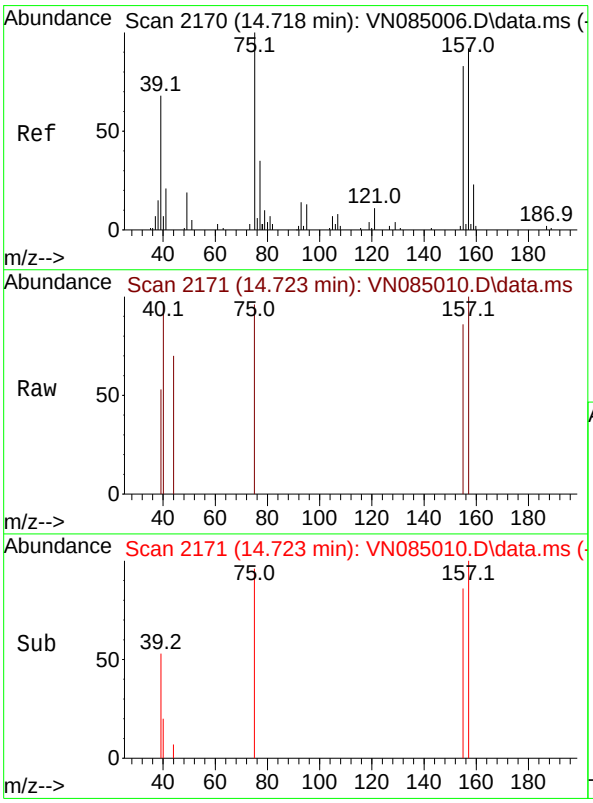
#91
1,2-Dichlorobenzene
Concen: 1.202 ug/l
RT: 14.100 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 3830

Ion	Ratio	Lower	Upper
146	100		
111	40.0	21.9	65.8
148	60.1	31.1	93.2

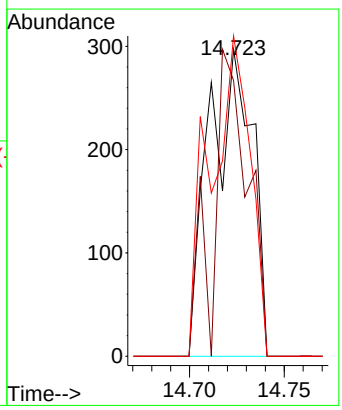


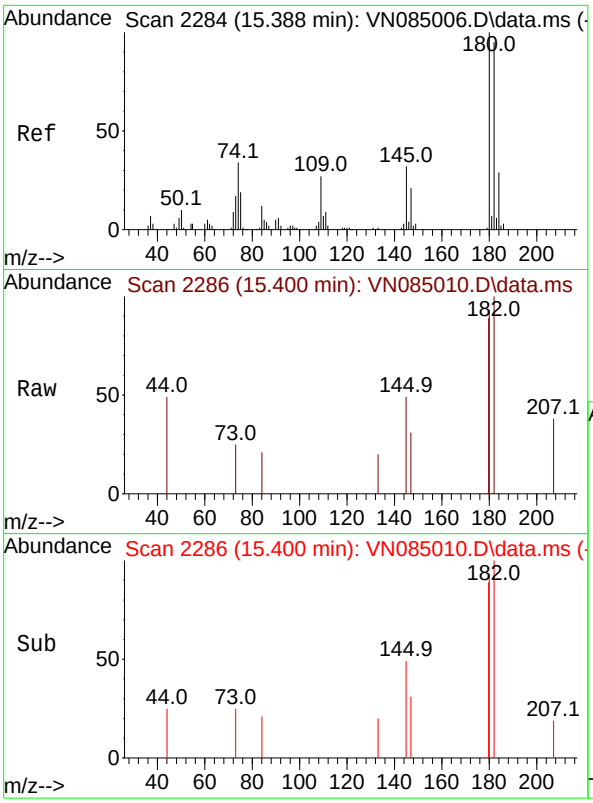


#92
1,2-Dibromo-3-Chloropropane
Concen: 1.136 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 75 Resp: 470

Ion	Ratio	Lower	Upper
75	100		
155	80.4	38.9	116.7
157	96.2	48.3	144.9



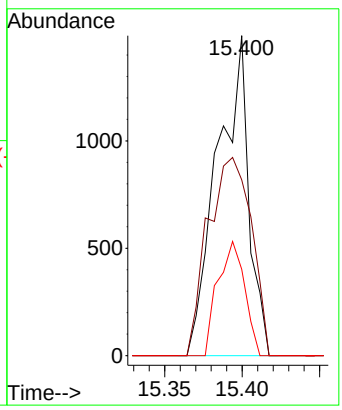


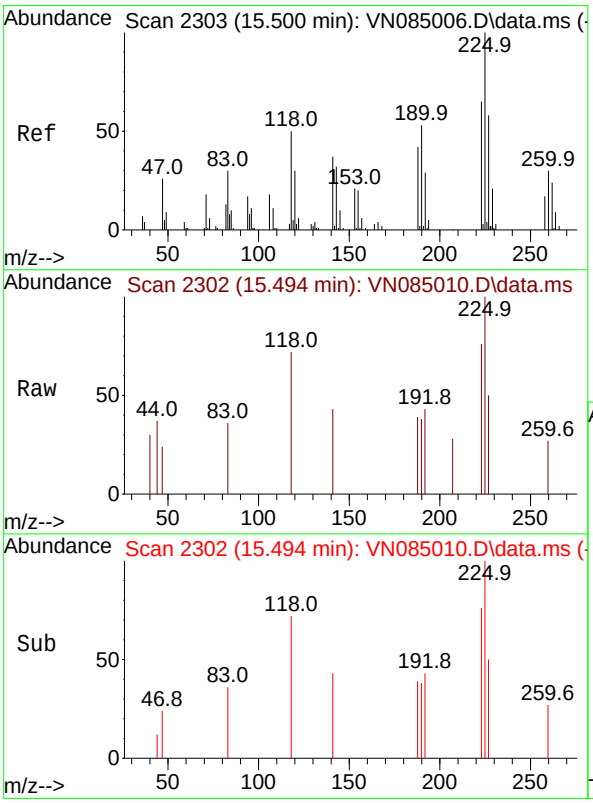
#93
1,2,4-Trichlorobenzene
Concen: 1.209 ug/l
RT: 15.400 min Scan# 2
Delta R.T. 0.012 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 2092

Ion	Ratio	Lower	Upper
180	100		
182	86.2	46.9	140.8
145	30.5	16.3	48.8

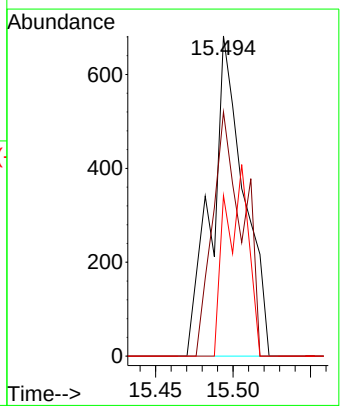


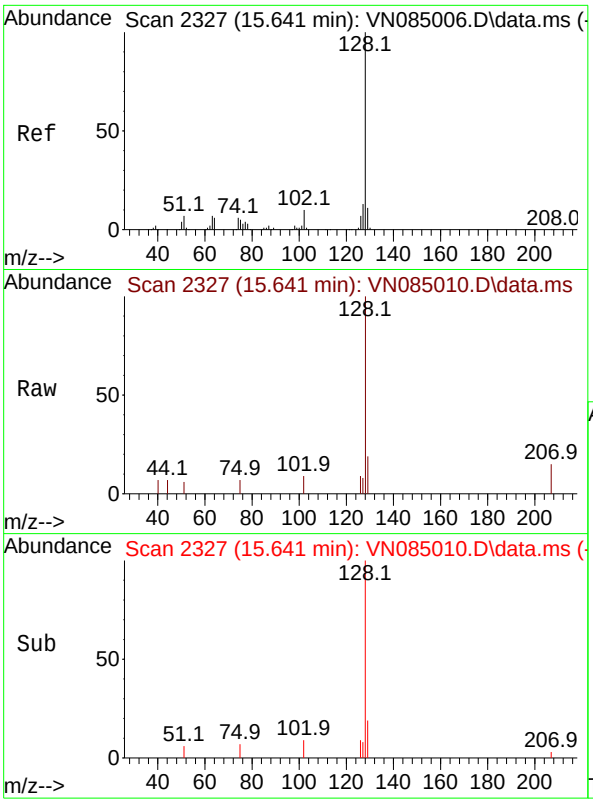


#94
Hexachlorobutadiene
Concen: 1.236 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:225 Resp: 987

Ion	Ratio	Lower	Upper
225	100		
223	71.1	30.9	92.8
227	42.1	31.5	94.5



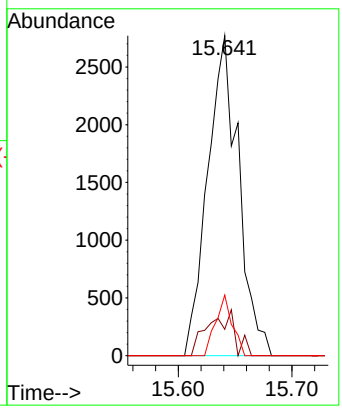


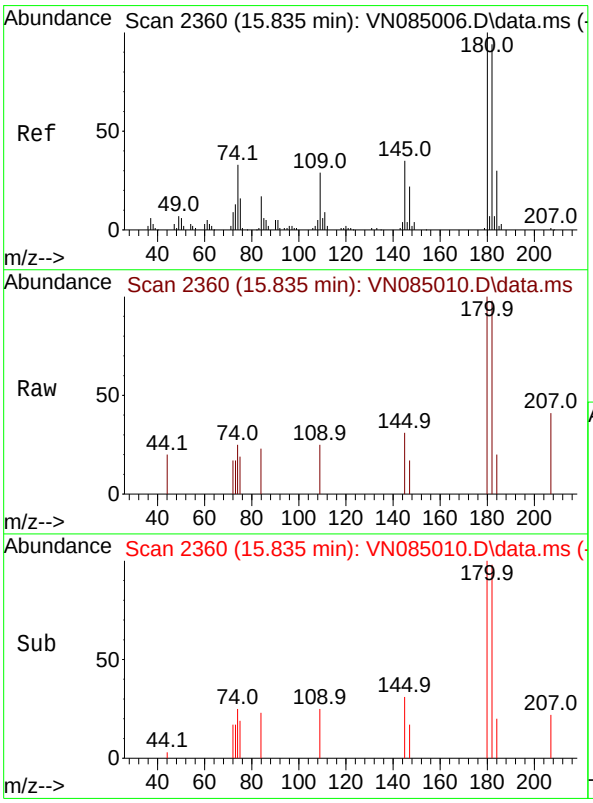
#95
Naphthalene
Concen: 1.063 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 5242

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.6	16.0
129	10.2	8.6	12.8

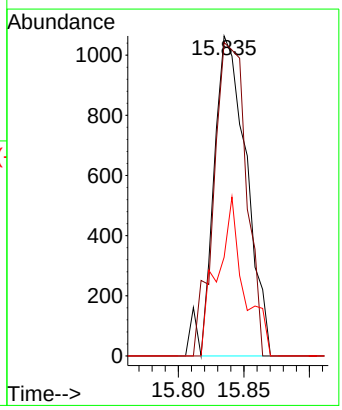




#96
1,2,3-Trichlorobenzene
Concen: 1.120 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:180 Resp: 1849

Ion	Ratio	Lower	Upper
180	100		
182	97.3	46.4	139.2
145	40.6	17.3	52.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	180278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	293712	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	254182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	128770	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	129855	50.568	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.140%			
35) Dibromofluoromethane	8.159	113	102148	51.572	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.140%			
50) Toluene-d8	10.559	98	379679	53.488	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.980%			
62) 4-Bromofluorobenzene	12.847	95	141423	53.276	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	95019	46.612	ug/l	99
3) Chloromethane	2.359	50	99689	42.164	ug/l	98
4) Vinyl Chloride	2.512	62	97145	45.721	ug/l	95
5) Bromomethane	2.900	94	53525	44.945	ug/l	91
6) Chloroethane	3.077	64	59473	41.527	ug/l	94
7) Trichlorofluoromethane	3.477	101	165959	45.916	ug/l	94
8) Diethyl Ether	3.953	74	58978	47.942	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	93701	45.709	ug/l	99
10) Methyl Iodide	4.577	142	127705	47.063	ug/l	97
11) Tert butyl alcohol	5.536	59	74416	216.857	ug/l	97
12) 1,1-Dichloroethene	4.330	96	89314	46.677	ug/l	97
13) Acrolein	4.171	56	58781	256.710	ug/l	99
14) Allyl chloride	5.012	41	152182	47.178	ug/l	99
15) Acrylonitrile	5.712	53	225423	232.029	ug/l	99
16) Acetone	4.424	43	188963	252.665	ug/l	99
17) Carbon Disulfide	4.700	76	244899	43.362	ug/l #	94
18) Methyl Acetate	5.018	43	111346	46.500	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	303857	48.602	ug/l	98
20) Methylene Chloride	5.271	84	98339	43.090	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	92234	45.805	ug/l #	89
22) Diisopropyl ether	6.665	45	306957	47.281	ug/l	98
23) Vinyl Acetate	6.594	43	1108786	247.560	ug/l	100
24) 1,1-Dichloroethane	6.559	63	177343	45.647	ug/l	99
25) 2-Butanone	7.477	43	294434	240.802	ug/l	100
26) 2,2-Dichloropropane	7.488	77	168144	46.349	ug/l	98
27) cis-1,2-Dichloroethene	7.477	96	110716	45.609	ug/l	97
28) Bromochloromethane	7.812	49	67335	45.913	ug/l	97
29) Tetrahydrofuran	7.835	42	183433	241.241	ug/l	100
30) Chloroform	7.959	83	188550	45.623	ug/l	95
31) Cyclohexane	8.253	56	157639	46.084	ug/l	97
32) 1,1,1-Trichloroethane	8.159	97	170723	45.714	ug/l	99
36) 1,1-Dichloropropene	8.365	75	129026	48.093	ug/l	99
37) Ethyl Acetate	7.553	43	113781	46.651	ug/l	100
38) Carbon Tetrachloride	8.359	117	151265	48.846	ug/l	98
39) Methylcyclohexane	9.594	83	145286	52.114	ug/l	98
40) Benzene	8.600	78	404536	47.675	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	66590	49.311	ug/l		98
42) 1,2-Dichloroethane	8.665	62	136508	47.025	ug/l		100
43) Isopropyl Acetate	8.688	43	210623	41.574	ug/l		99
44) Trichloroethene	9.347	130	93086	47.205	ug/l		98
45) 1,2-Dichloropropane	9.618	63	98380	47.073	ug/l		95
46) Dibromomethane	9.706	93	69575	47.909	ug/l		99
47) Bromodichloromethane	9.882	83	146603	47.631	ug/l		97
48) Methyl methacrylate	9.676	41	95959	50.900	ug/l		97
49) 1,4-Dioxane	9.694	88	31078	950.585	ug/l	#	87
51) 4-Methyl-2-Pentanone	10.441	43	582480	251.720	ug/l		100
52) Toluene	10.629	92	249568	49.682	ug/l		99
53) t-1,3-Dichloropropene	10.829	75	150836	48.881	ug/l		97
54) cis-1,3-Dichloropropene	10.306	75	164009	50.100	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	92219	49.287	ug/l		99
56) Ethyl methacrylate	10.871	69	149537	54.694	ug/l		98
57) 1,3-Dichloropropane	11.159	76	158000	47.980	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	315602	235.323	ug/l		99
59) 2-Hexanone	11.194	43	444749	256.983	ug/l		100
60) Dibromochloromethane	11.359	129	108961	47.650	ug/l		99
61) 1,2-Dibromoethane	11.465	107	94657	48.883	ug/l		96
64) Tetrachloroethene	11.100	164	82753	48.316	ug/l		97
65) Chlorobenzene	11.888	112	264798	45.936	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	95374	46.991	ug/l		98
67) Ethyl Benzene	11.959	91	477400	51.046	ug/l		96
68) m/p-Xylenes	12.065	106	363006	101.951	ug/l		99
69) o-Xylene	12.394	106	173028	51.086	ug/l		98
70) Styrene	12.406	104	296759	52.687	ug/l		99
71) Bromoform	12.576	173	73244	48.617	ug/l	#	98
73) Isopropylbenzene	12.694	105	445261	49.014	ug/l		100
74) N-amyl acetate	12.494	43	184990	49.418	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	132755	42.796	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	172673	73.722	ug/l		48
77) Bromobenzene	12.976	156	108566	44.410	ug/l		99
78) n-propylbenzene	13.035	91	525567	50.160	ug/l		98
79) 2-Chlorotoluene	13.123	91	324611	46.409	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	382819	50.220	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	49617	46.764	ug/l		98
82) 4-Chlorotoluene	13.217	91	331271	45.496	ug/l		99
83) tert-Butylbenzene	13.435	119	320979	48.939	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	392031	49.962	ug/l		99
85) sec-Butylbenzene	13.612	105	444471	50.166	ug/l		99
86) p-Isopropyltoluene	13.729	119	378270	51.719	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	204731	42.459	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	202930	41.240	ug/l		97
89) n-Butylbenzene	14.053	91	325752	47.892	ug/l		100
90) Hexachloroethane	14.335	117	72271	45.332	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	200864	43.472	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26503	44.183	ug/l		99
93) 1,2,4-Trichlorobenzene	15.394	180	107707	42.908	ug/l		99
94) Hexachlorobutadiene	15.500	225	49330	42.581	ug/l		99
95) Naphthalene	15.641	128	329352	46.067	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	102829	42.932	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

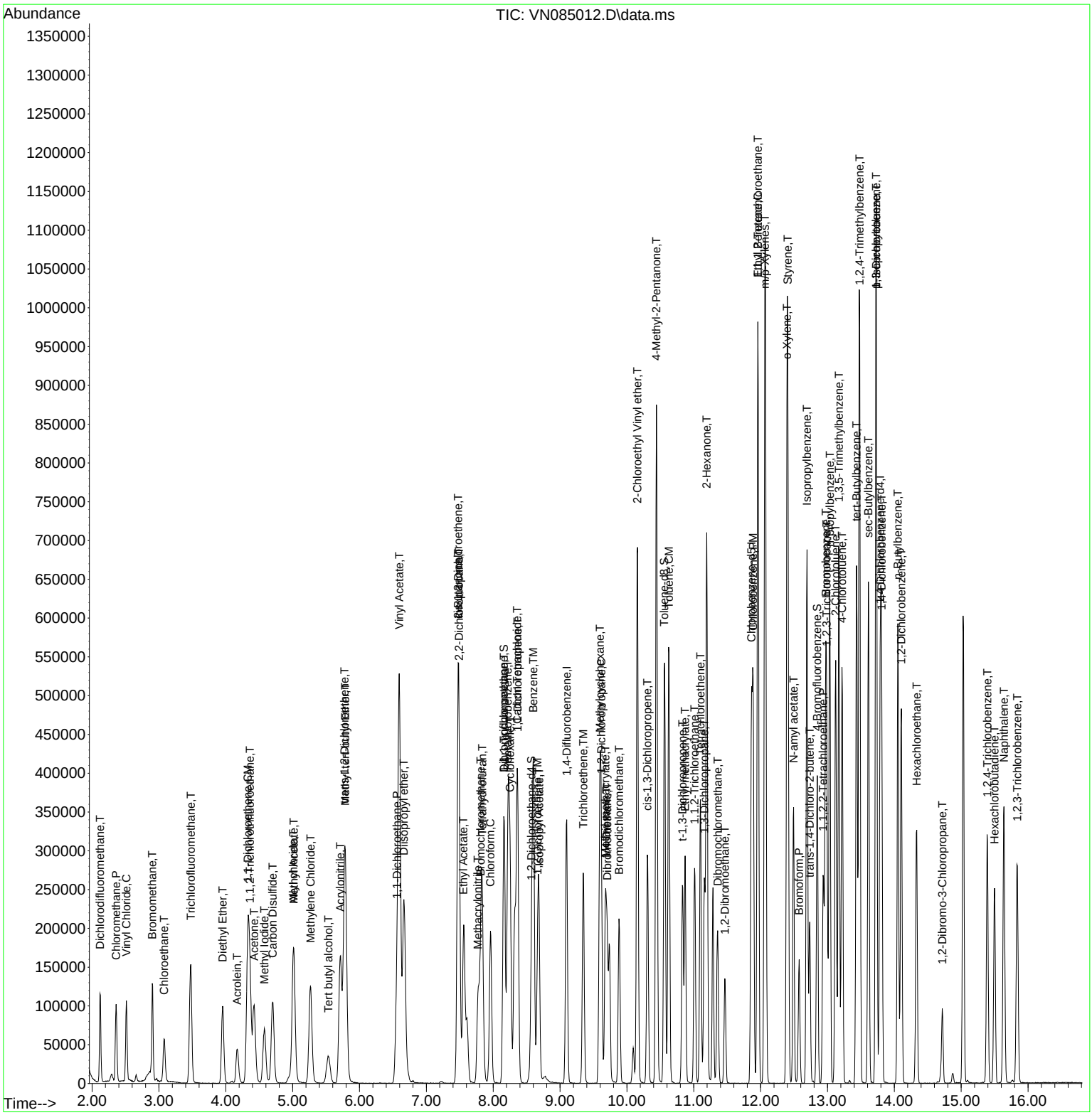
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

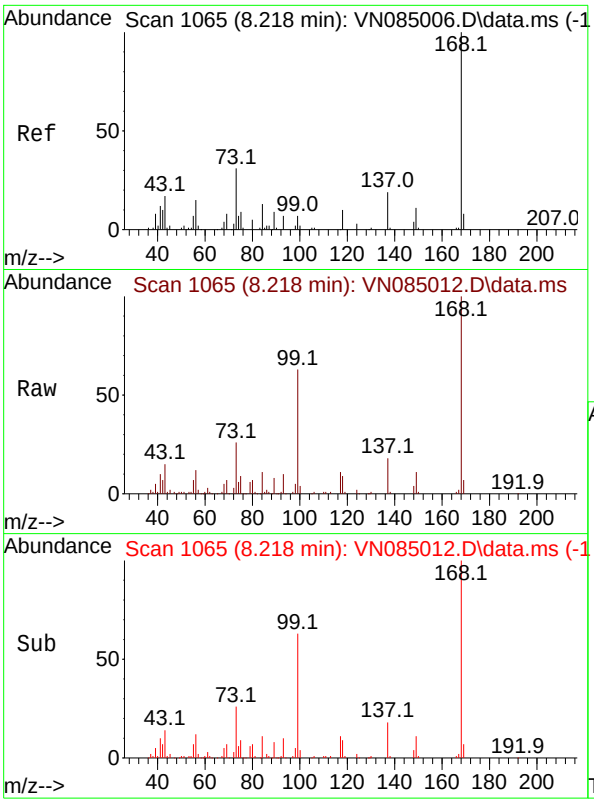
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



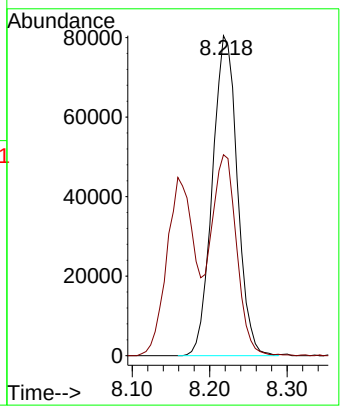


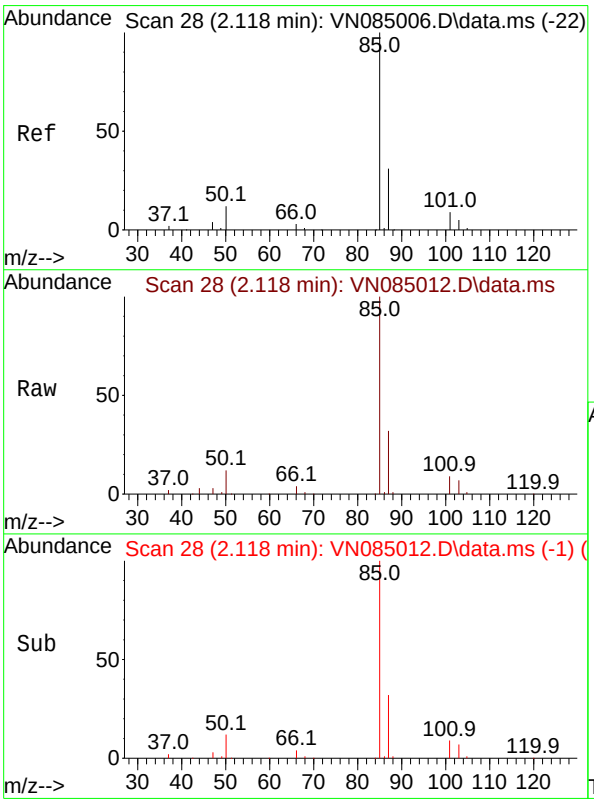
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion:168 Resp: 180278

Ion	Ratio	Lower	Upper
168	100		
99	62.4	51.2	76.8

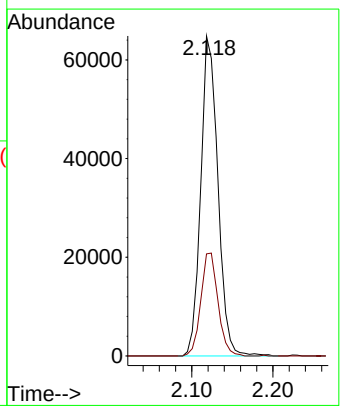


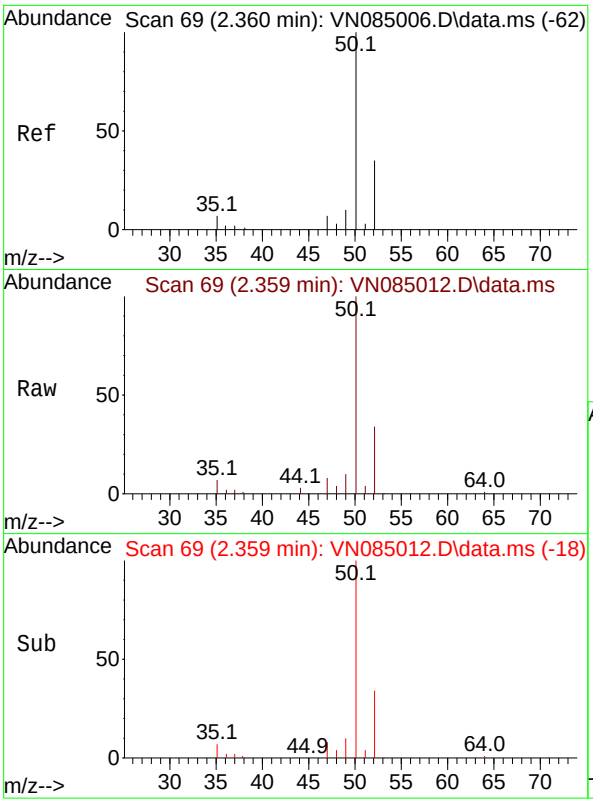


#2
Dichlorodifluoromethane
Concen: 46.612 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 85 Resp: 95019

Ion	Ratio	Lower	Upper
85	100		
87	31.9	15.7	47.1



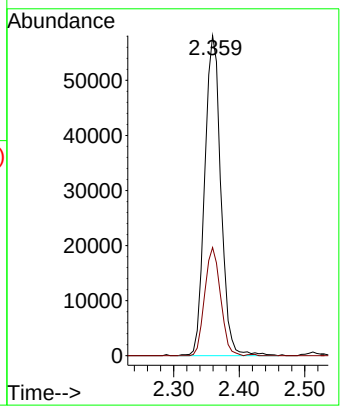


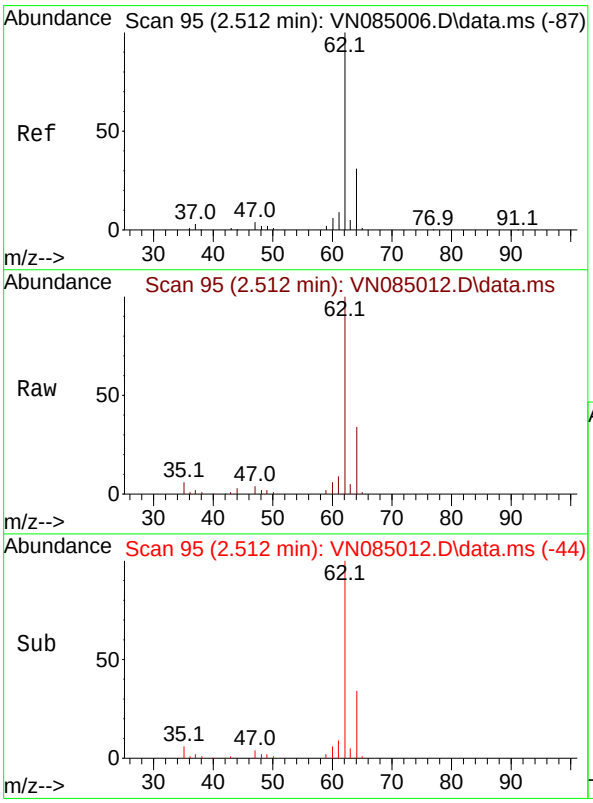
#3
Chloromethane
Concen: 42.164 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 50 Resp: 99689

Ion	Ratio	Lower	Upper
50	100		
52	33.8	27.8	41.8

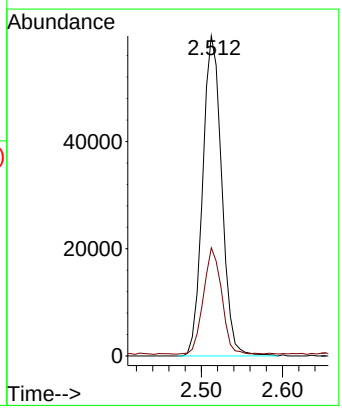


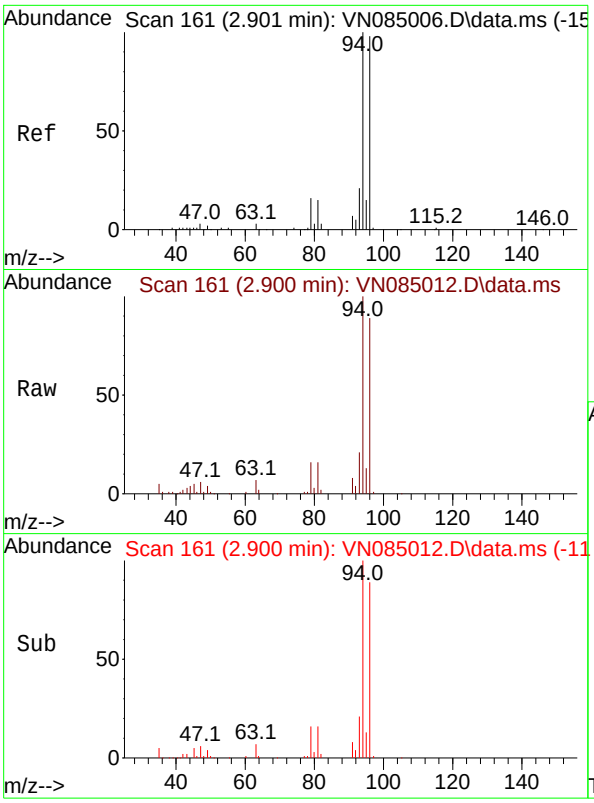


#4
Vinyl Chloride
Concen: 45.721 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 62 Resp: 97145

Ion	Ratio	Lower	Upper
62	100		
64	33.2	24.6	36.8



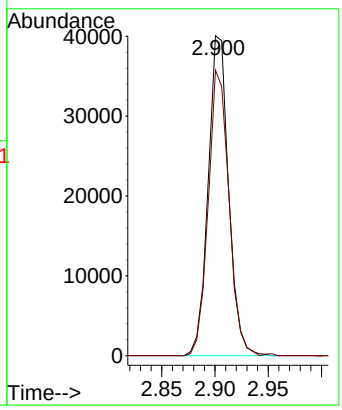


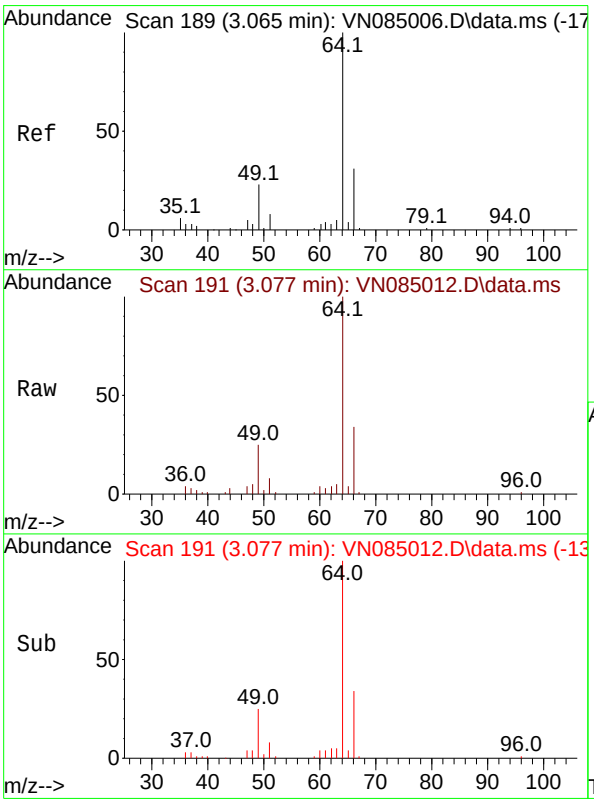
#5
Bromomethane
Concen: 44.945 ug/l
RT: 2.900 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 94 Resp: 53525

Ion	Ratio	Lower	Upper
94	100		
96	89.2	78.7	118.1

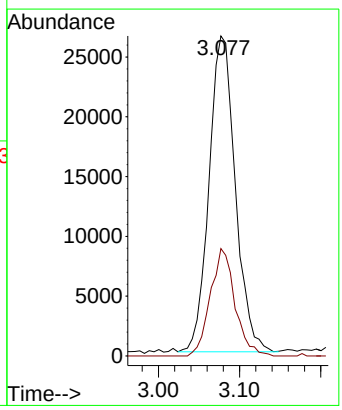


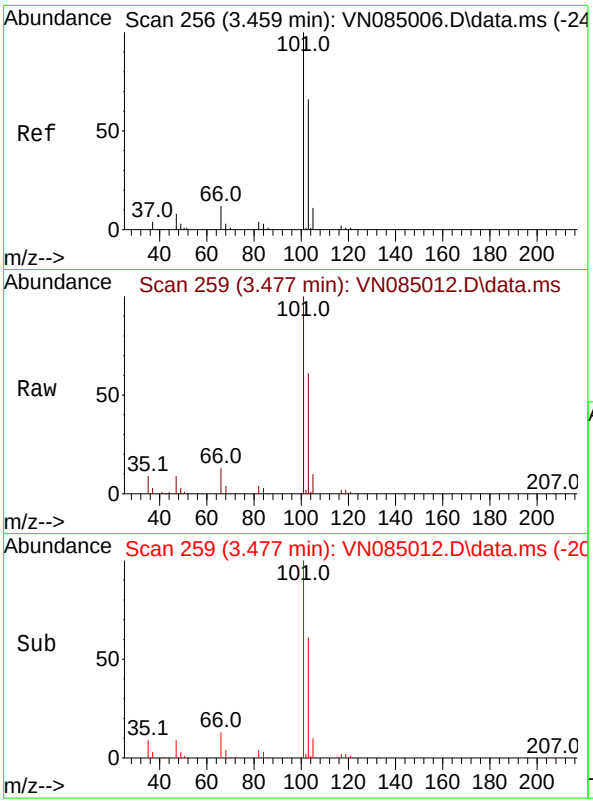


#6
Chloroethane
Concen: 41.527 ug/l
RT: 3.077 min Scan# 191
Delta R.T. 0.012 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 64 Resp: 59473

Ion	Ratio	Lower	Upper
64	100		
66	34.0	24.4	36.6



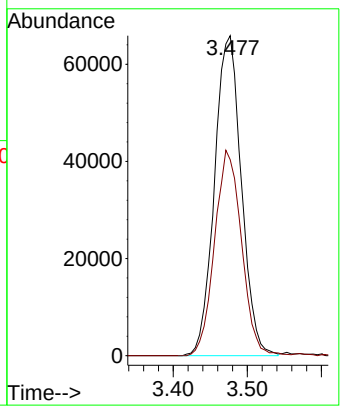


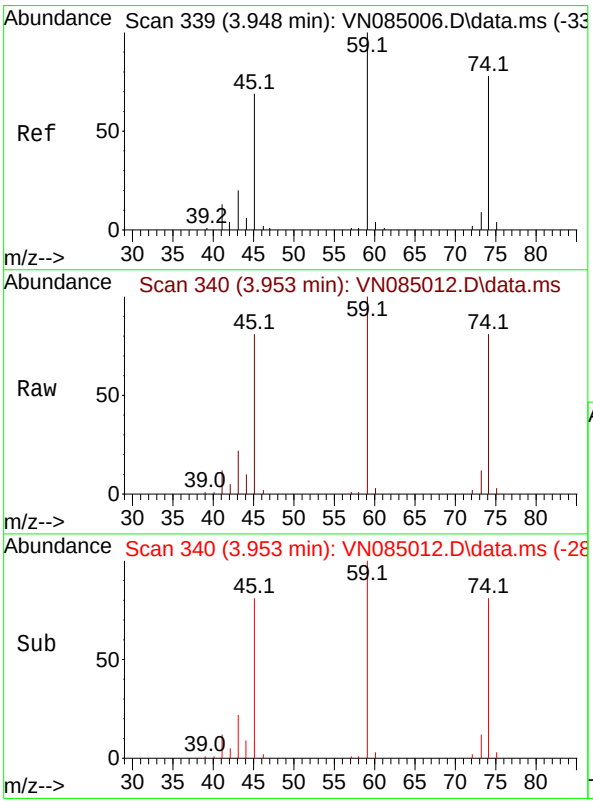
#7
Trichlorofluoromethane
Concen: 45.916 ug/l
RT: 3.477 min Scan# 2
Delta R.T. 0.017 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion:101 Resp: 165959

Ion	Ratio	Lower	Upper
101	100		
103	61.3	52.6	78.8

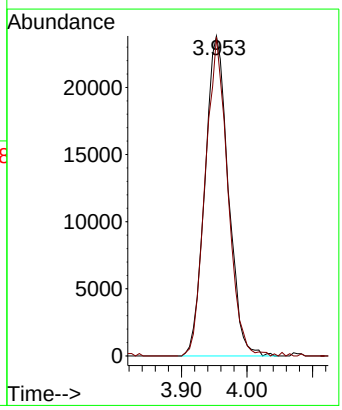


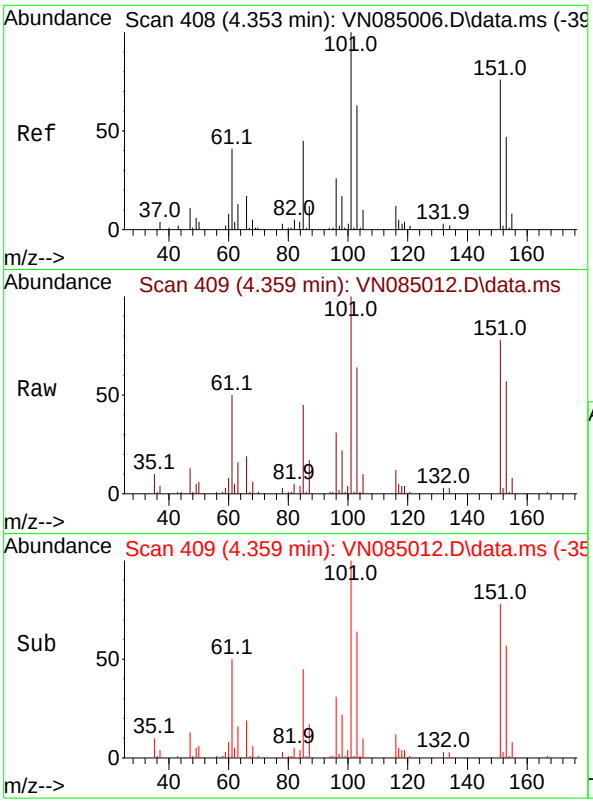


#8
Diethyl Ether
Concen: 47.942 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 74 Resp: 58978

Ion	Ratio	Lower	Upper
74	100		
45	95.6	46.7	140.1



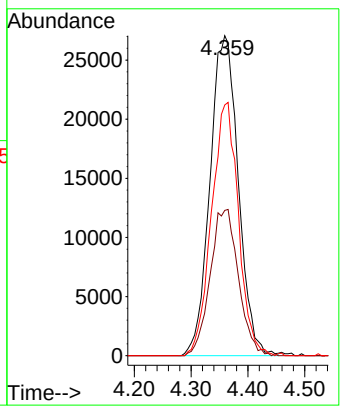


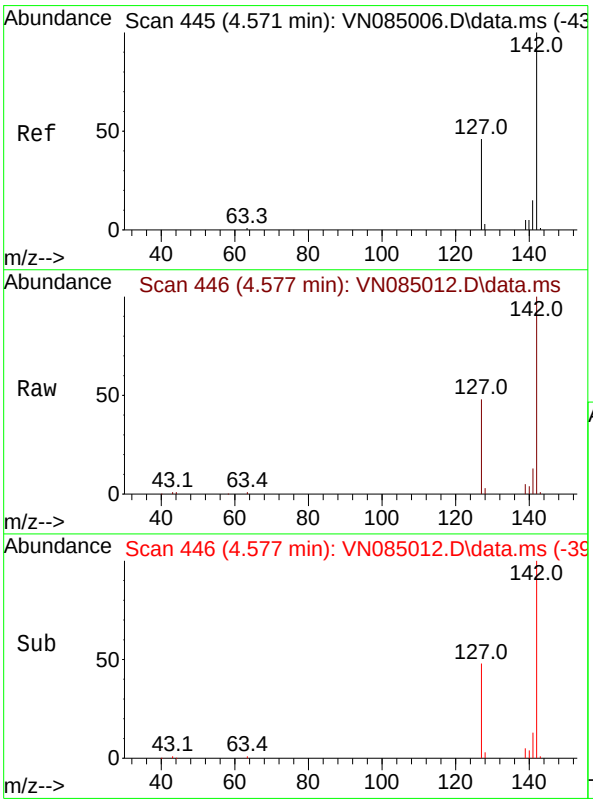
#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.709 ug/l
RT: 4.359 min Scan# 4(
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion:101 Resp: 93701

Ion	Ratio	Lower	Upper
101	100		
85	45.7	36.9	55.3
151	75.2	60.8	91.2

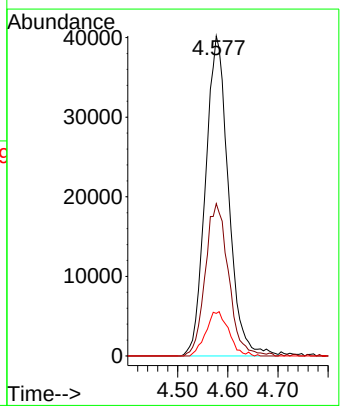


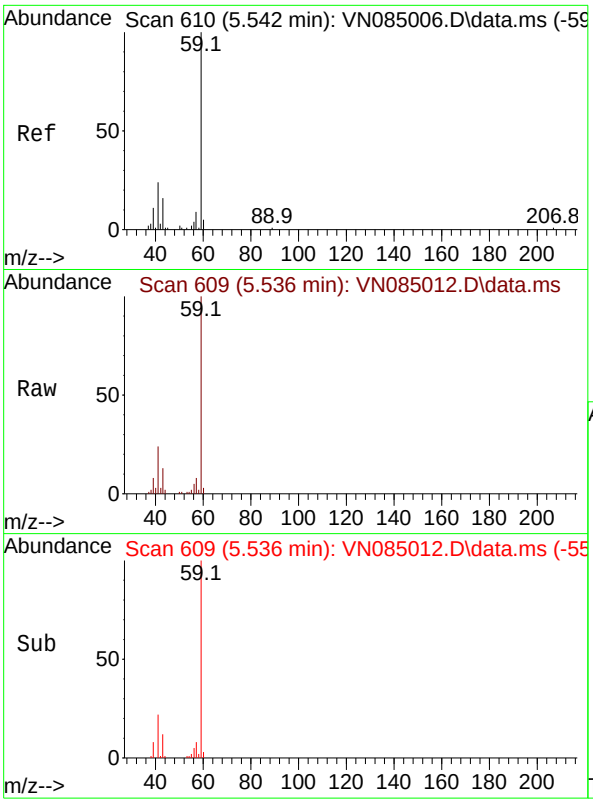


#10
Methyl Iodide
Concen: 47.063 ug/l
RT: 4.577 min Scan# 446
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:142 Resp: 127705

Ion	Ratio	Lower	Upper
142	100		
127	47.6	36.6	54.8
141	13.3	12.2	18.4



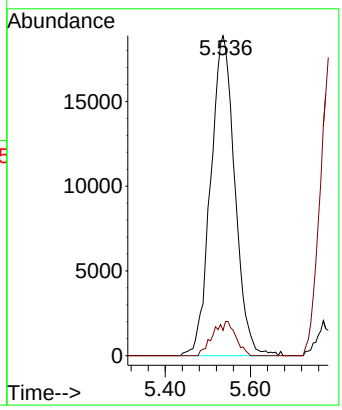


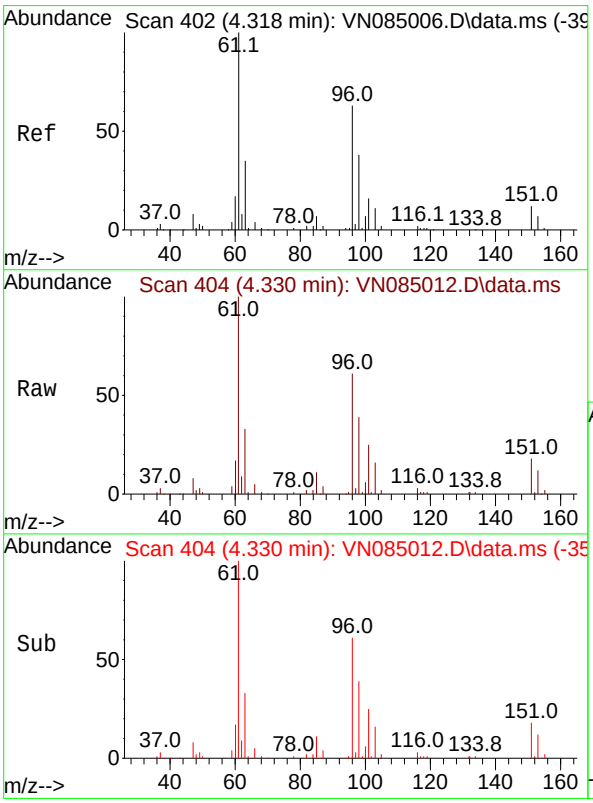
#11
Tert butyl alcohol
Concen: 216.857 ug/l
RT: 5.536 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 59 Resp: 74416

Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.4	11.0

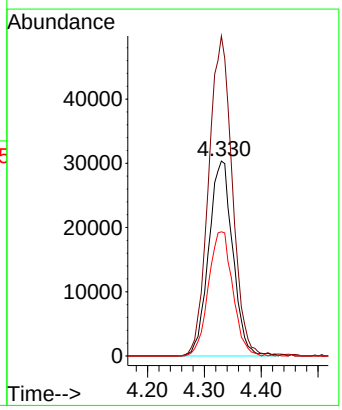


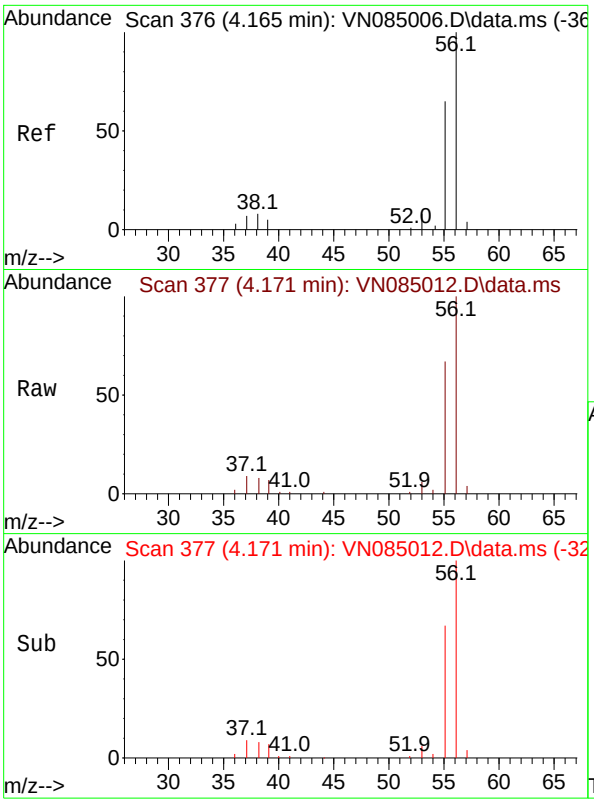


#12
1,1-Dichloroethene
Concen: 46.677 ug/l
RT: 4.330 min Scan# 404
Delta R.T. 0.012 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 96 Resp: 89314

Ion	Ratio	Lower	Upper
96	100		
61	164.2	127.8	191.8
98	63.7	49.2	73.8



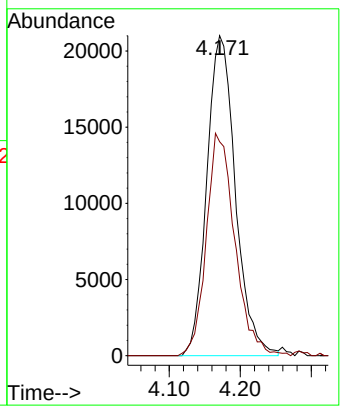


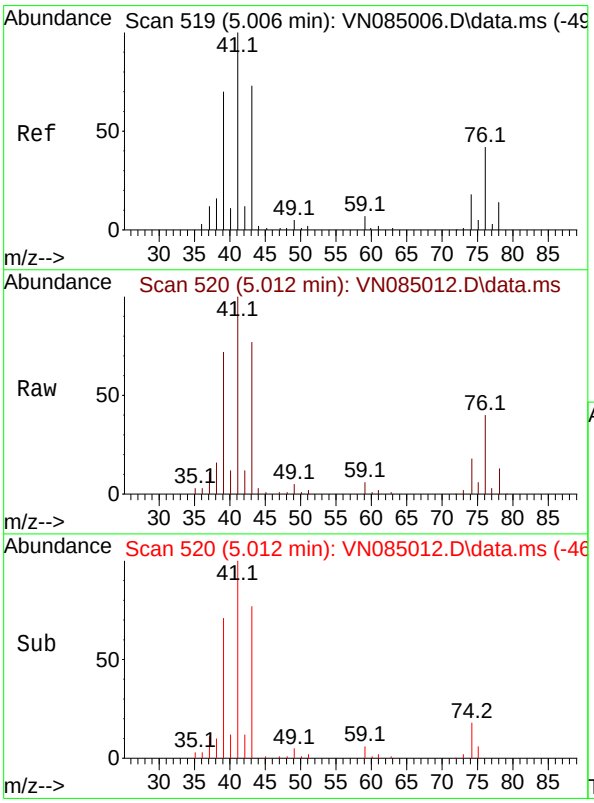
#13
Acrolein
Concen: 256.710 ug/l
RT: 4.171 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 56 Resp: 58781

Ion	Ratio	Lower	Upper
56	100		
55	69.2	54.5	81.7

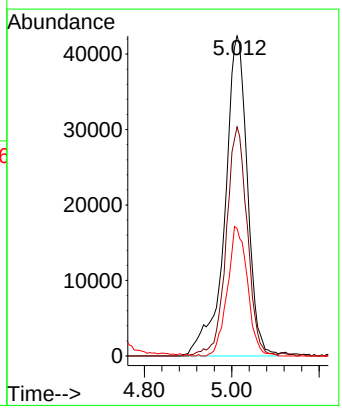


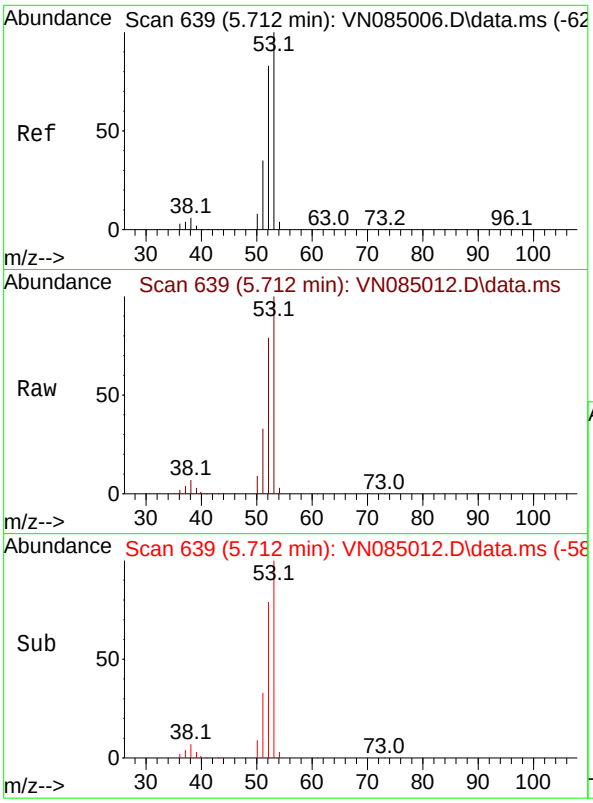


#14
Allyl chloride
Concen: 47.178 ug/l
RT: 5.012 min Scan# 520
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 41 Resp: 152182

Ion	Ratio	Lower	Upper
41	100		
39	66.6	53.8	80.8
76	35.9	29.3	43.9



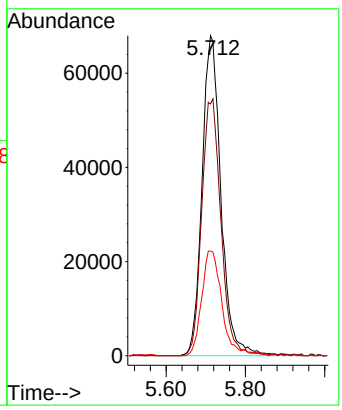


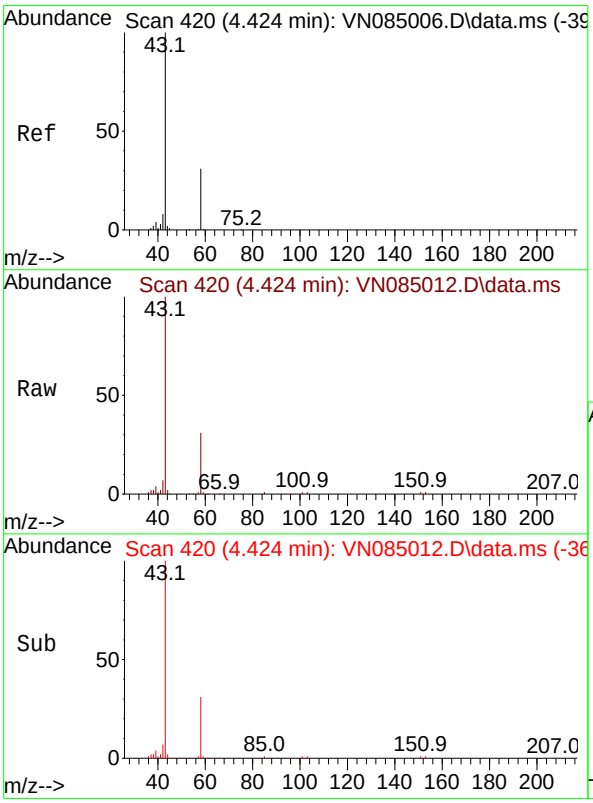
#15
Acrylonitrile
Concen: 232.029 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 53 Resp: 225423

Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.5	98.3
51	34.6	28.4	42.6

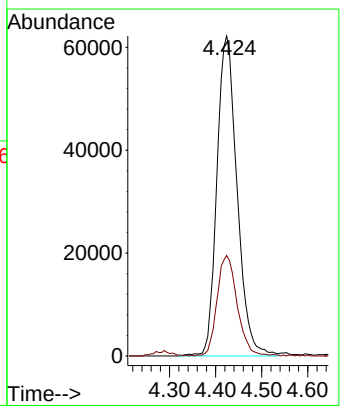


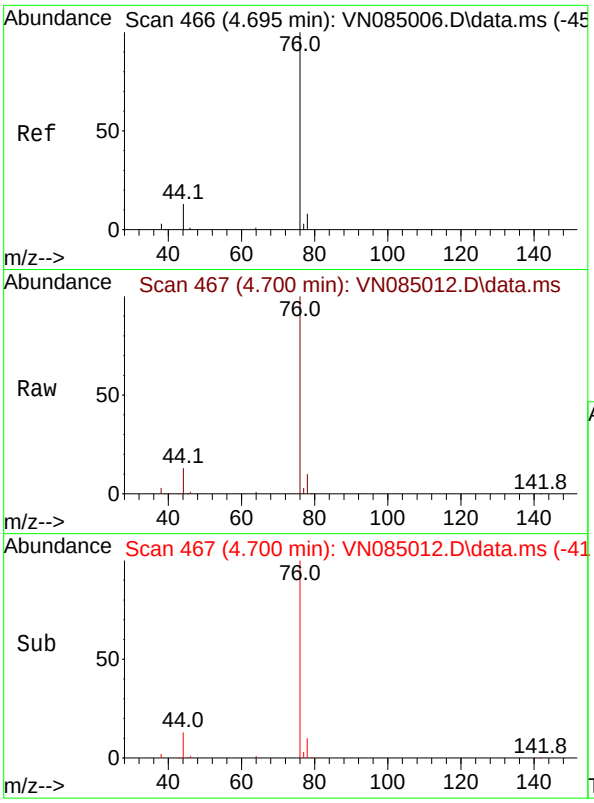


#16
Acetone
Concen: 252.665 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 43 Resp: 188963

Ion	Ratio	Lower	Upper
43	100		
58	31.1	25.4	38.2



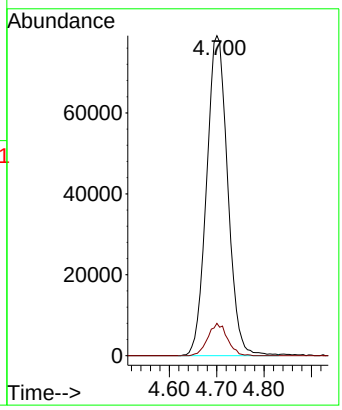


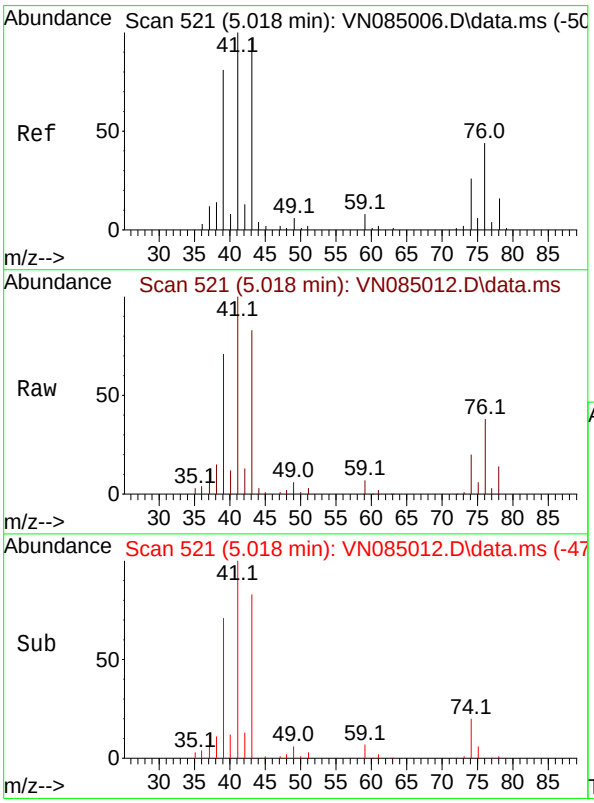
#17
Carbon Disulfide
Concen: 43.362 ug/l
RT: 4.700 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 76 Resp: 244899

Ion	Ratio	Lower	Upper
76	100		
78	10.1	6.5	9.7#

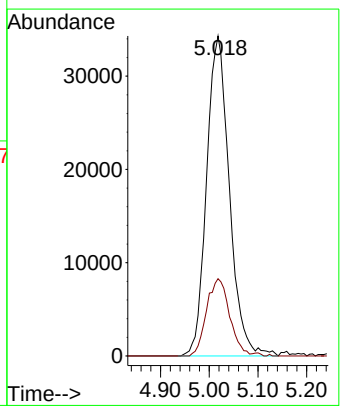


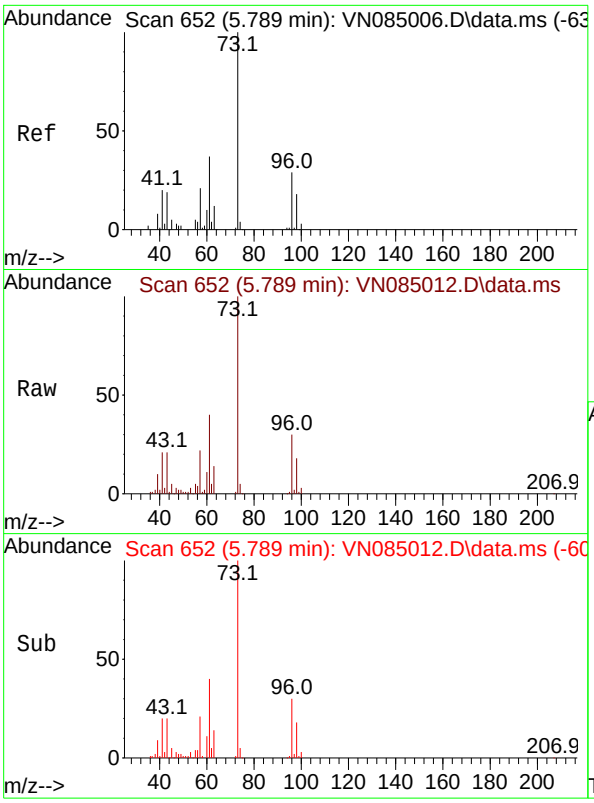


#18
Methyl Acetate
Concen: 46.500 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 43 Resp: 111346

Ion	Ratio	Lower	Upper
43	100		
74	24.4	20.1	30.1



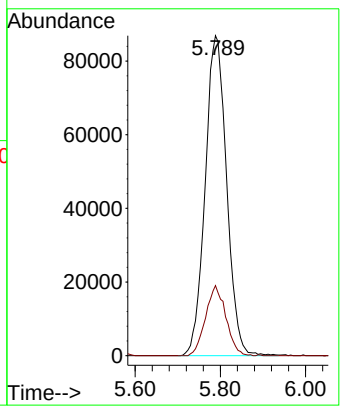


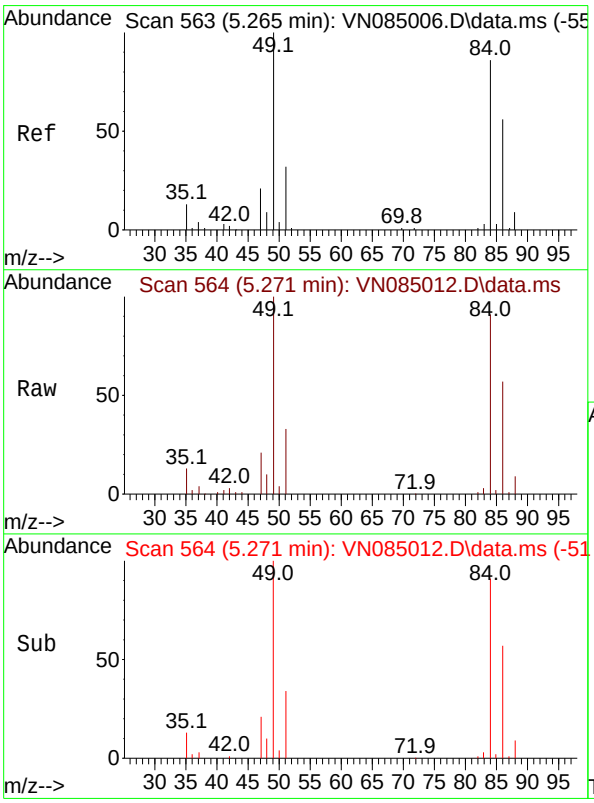
#19
Methyl tert-butyl Ether
Concen: 48.602 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 73 Resp: 303857

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.0	25.4

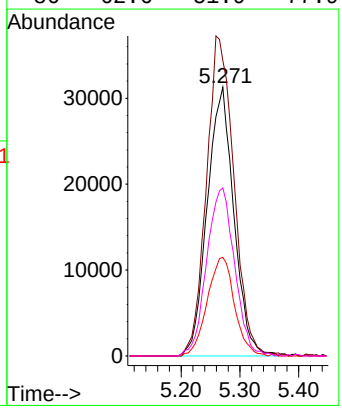


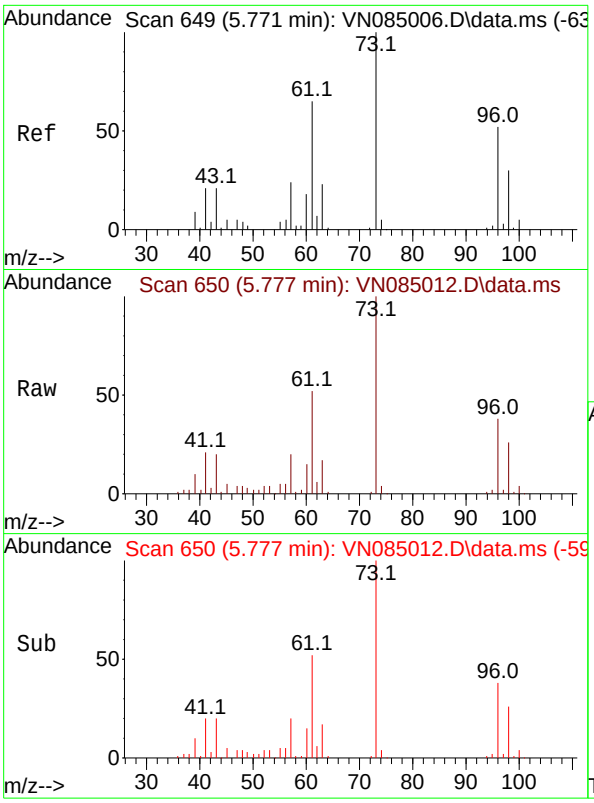


#20
Methylene Chloride
Concen: 43.090 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 84 Resp: 98339

Ion	Ratio	Lower	Upper
84	100		
49	110.0	92.7	139.1
51	36.7	29.4	44.2
86	62.6	51.9	77.9



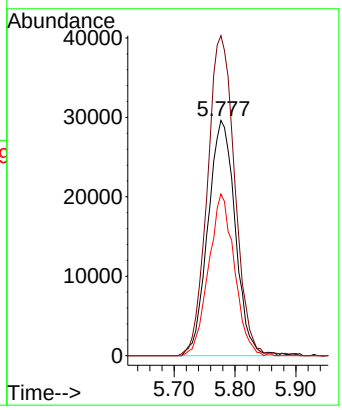


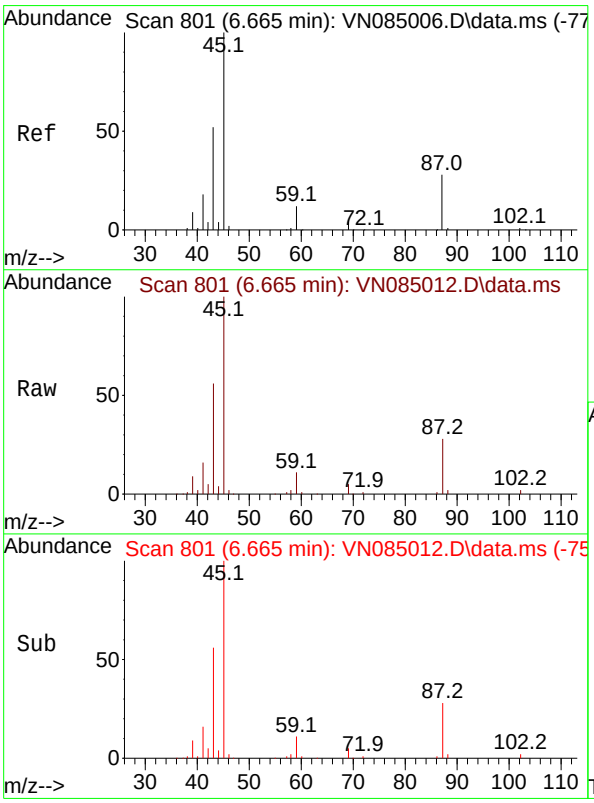
#21
trans-1,2-Dichloroethene
Concen: 45.805 ug/l
RT: 5.777 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 96 Resp: 92234

Ion	Ratio	Lower	Upper
96	100		
61	136.1	100.7	151.1
98	68.7	45.8	68.6#

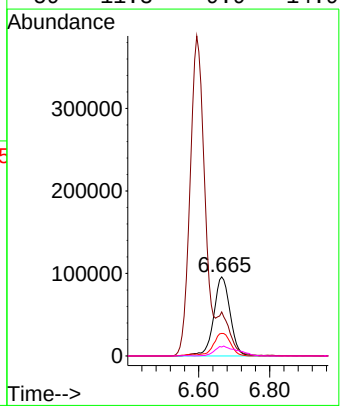


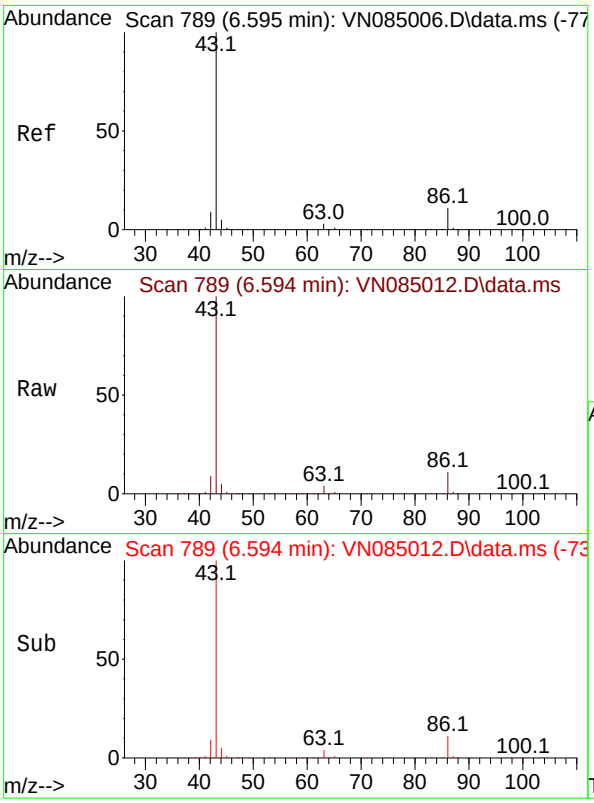


#22
Diisopropyl ether
Concen: 47.281 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 45 Resp: 306957

Ion	Ratio	Lower	Upper
45	100		
43	55.0	42.7	64.1
87	28.5	22.6	34.0
59	11.3	9.9	14.9



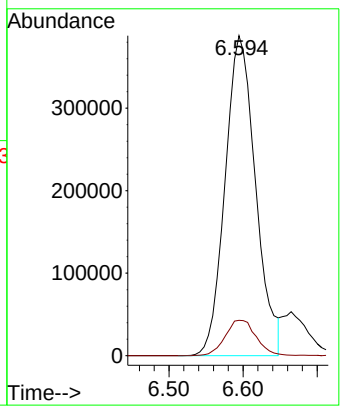


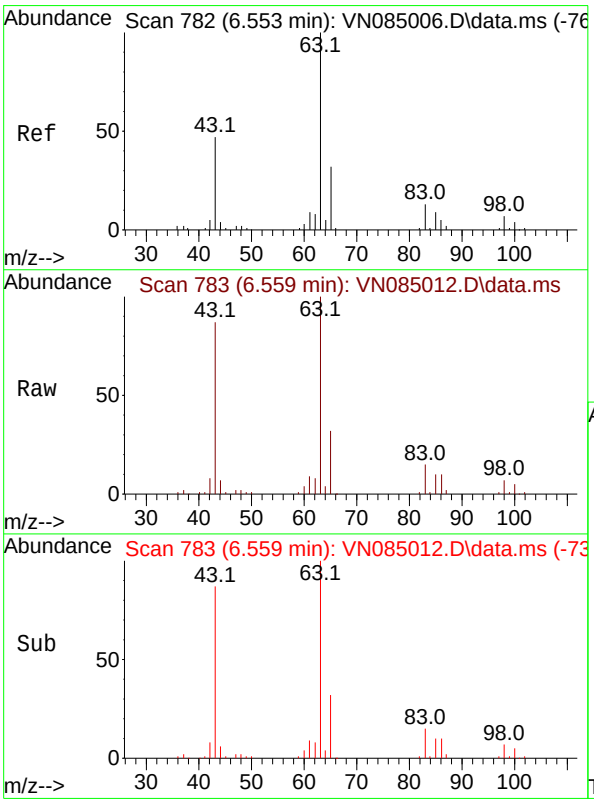
#23
Vinyl Acetate
Concen: 247.560 ug/l
RT: 6.594 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 43 Resp: 1108786

Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.9	13.3

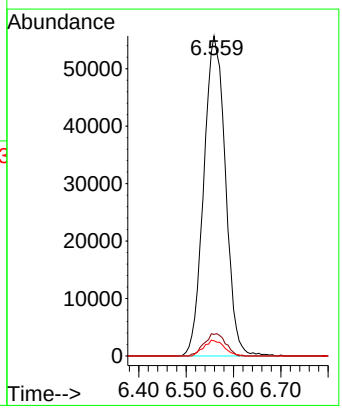


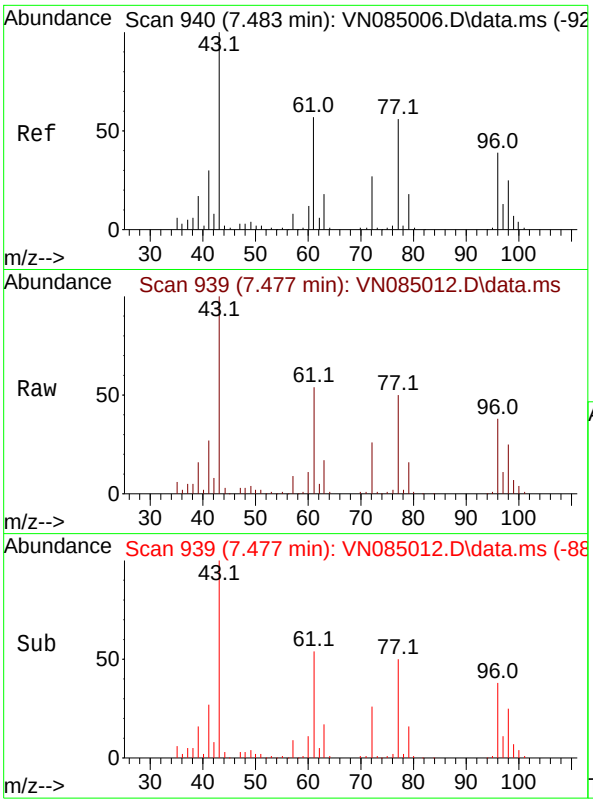


#24
1,1-Dichloroethane
Concen: 45.647 ug/l
RT: 6.559 min Scan# 783
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 63 Resp: 177343

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.3	9.8
100	4.8	2.2	6.6



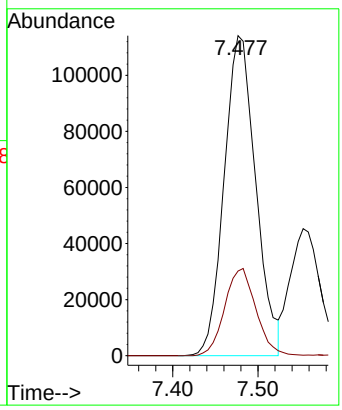


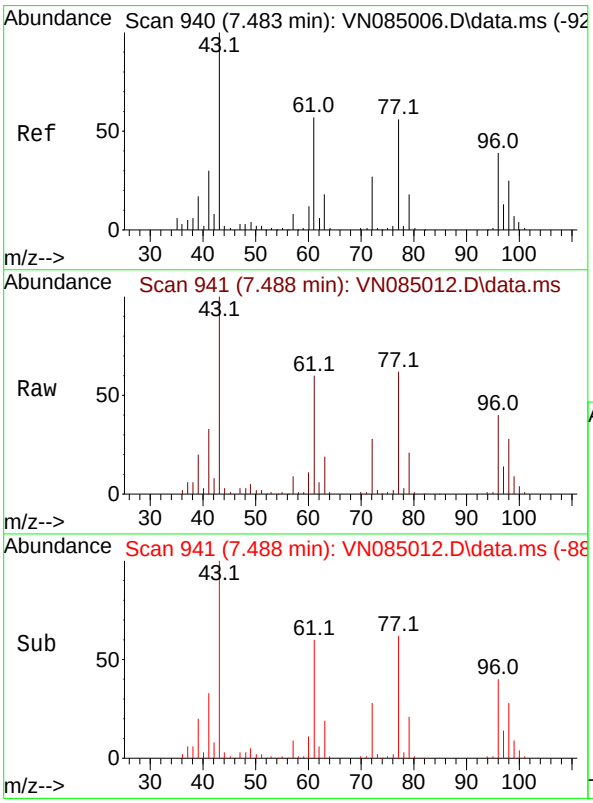
#25
2-Butanone
Concen: 240.802 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 43 Resp: 294434

Ion	Ratio	Lower	Upper
43	100		
72	26.5	21.4	32.0

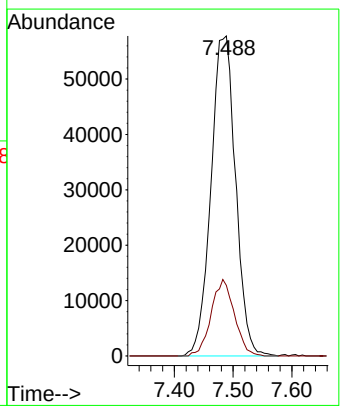


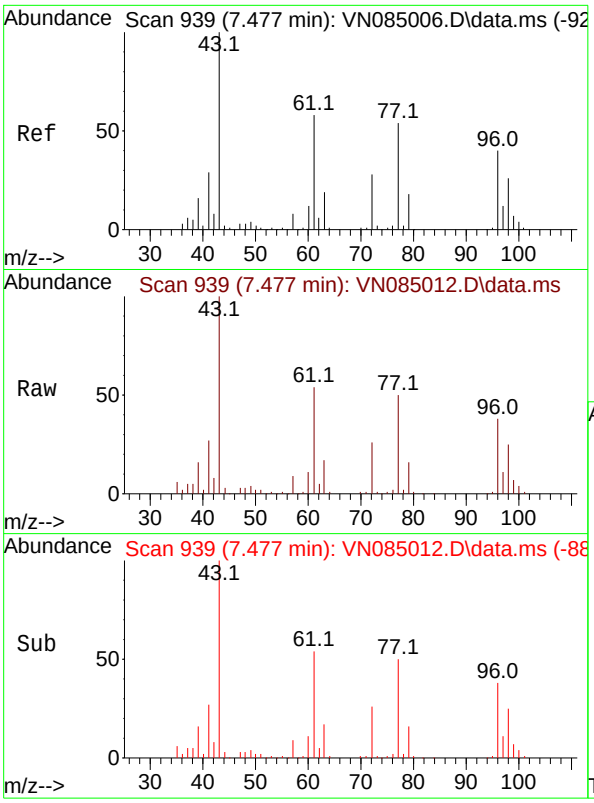


#26
2,2-Dichloropropane
Concen: 46.349 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 77 Resp: 168144

Ion	Ratio	Lower	Upper
77	100		
97	22.5	10.9	32.7



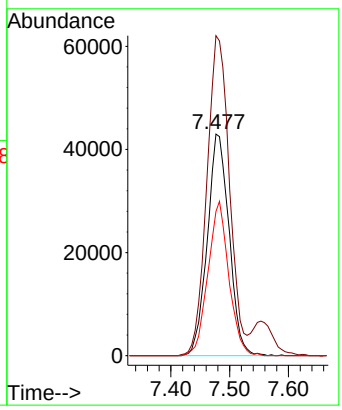


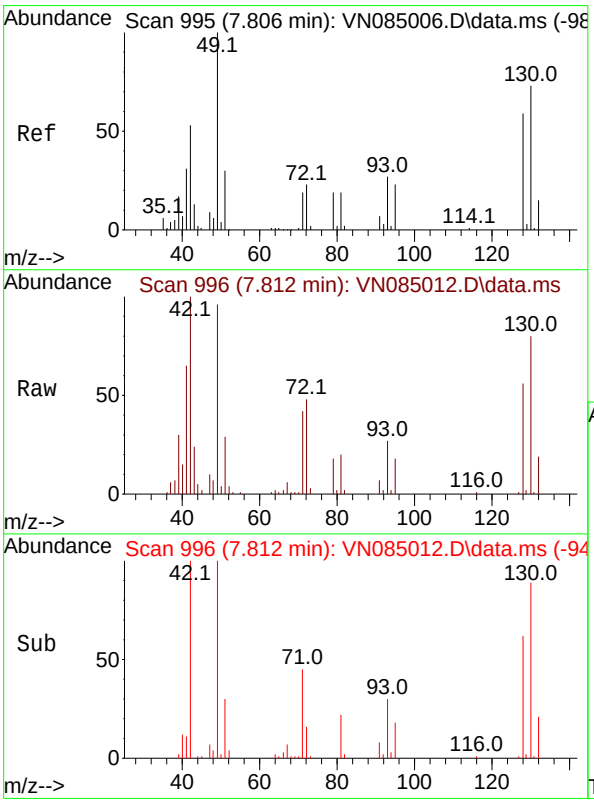
#27
cis-1,2-Dichloroethene
Concen: 45.609 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 96 Resp: 110716

Ion	Ratio	Lower	Upper
96	100		
61	149.3	0.0	291.6
98	66.6	0.0	129.8

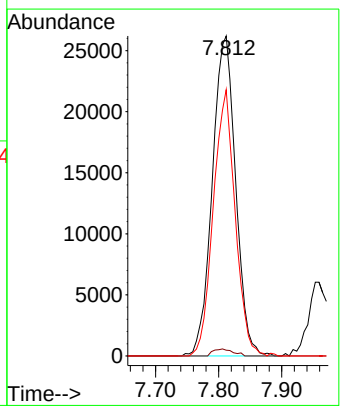


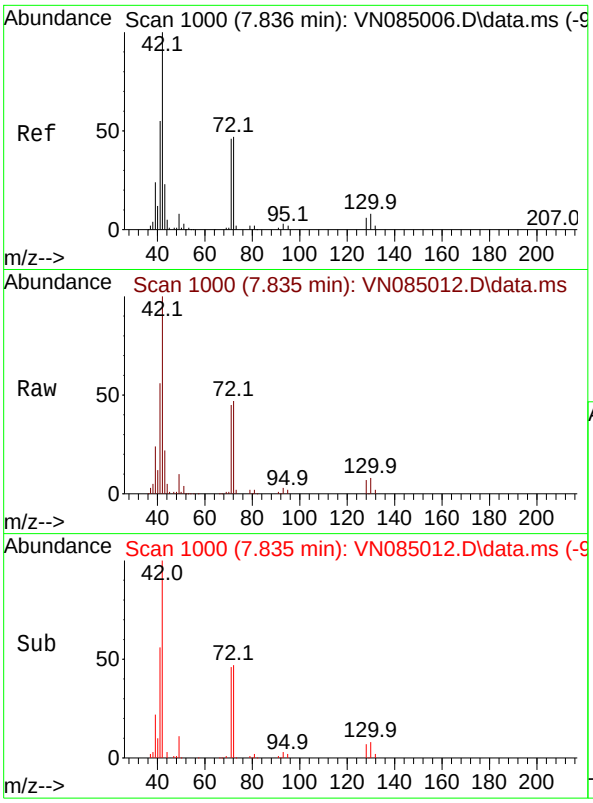


#28
Bromochloromethane
Concen: 45.913 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 49 Resp: 67335

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	78.0	60.6	90.8



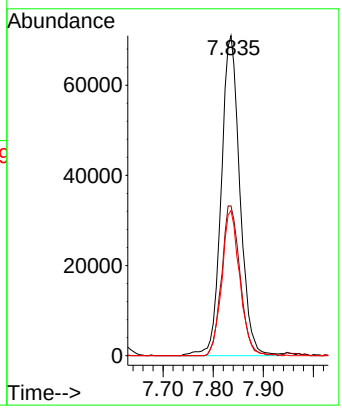


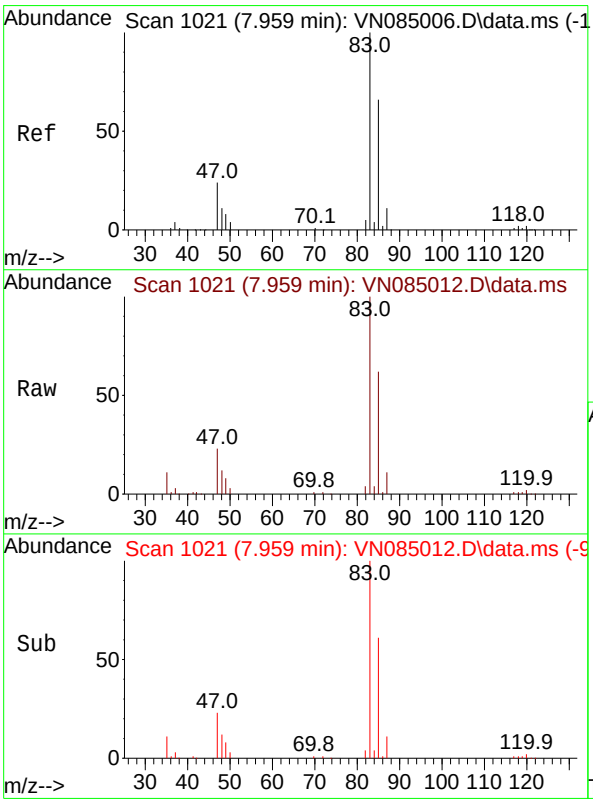
#29
Tetrahydrofuran
Concen: 241.241 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 42 Resp: 183433

Ion	Ratio	Lower	Upper
42	100		
72	46.4	37.0	55.4
71	43.6	35.0	52.4

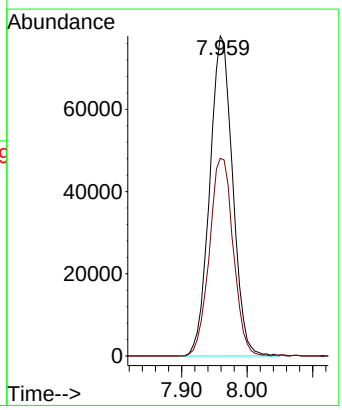


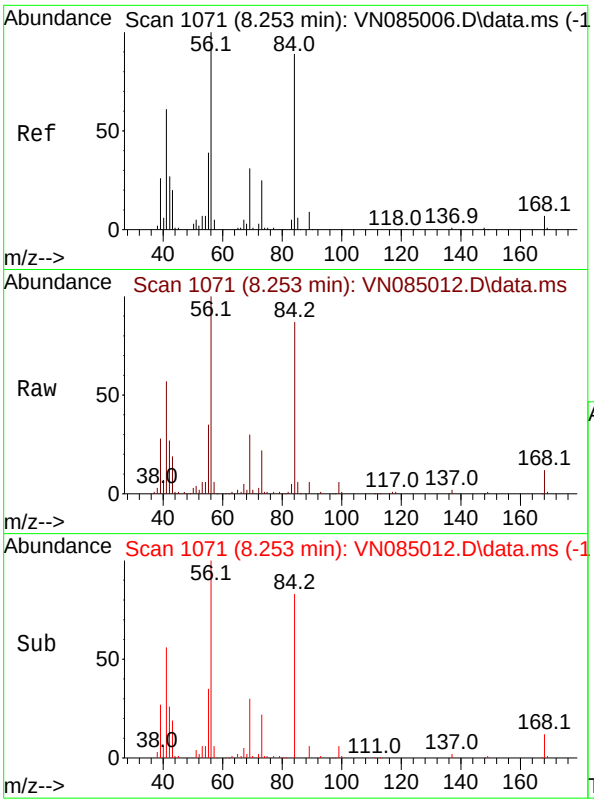


#30
Chloroform
Concen: 45.623 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 83 Resp: 188550

Ion	Ratio	Lower	Upper
83	100		
85	61.8	52.6	78.8



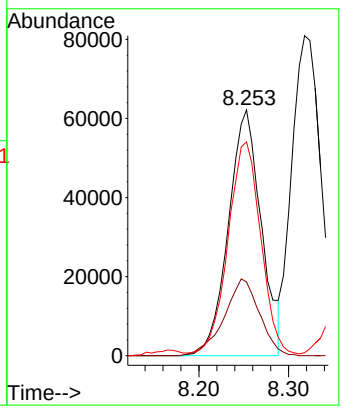


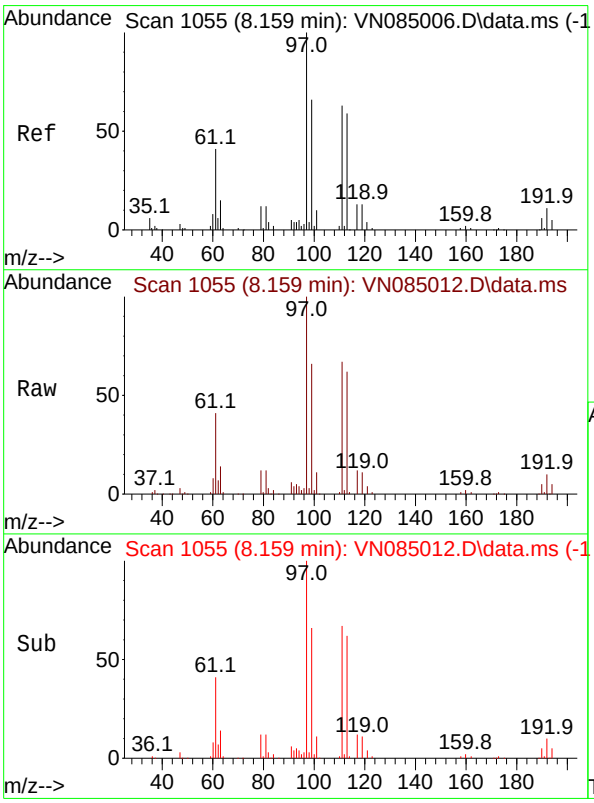
#31
Cyclohexane
Concen: 46.084 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 56 Resp: 157639

Ion	Ratio	Lower	Upper
56	100		
69	30.0	24.6	36.8
84	85.3	71.4	107.2

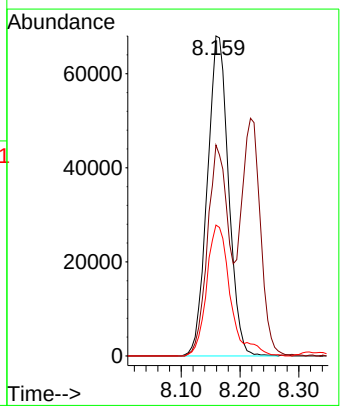


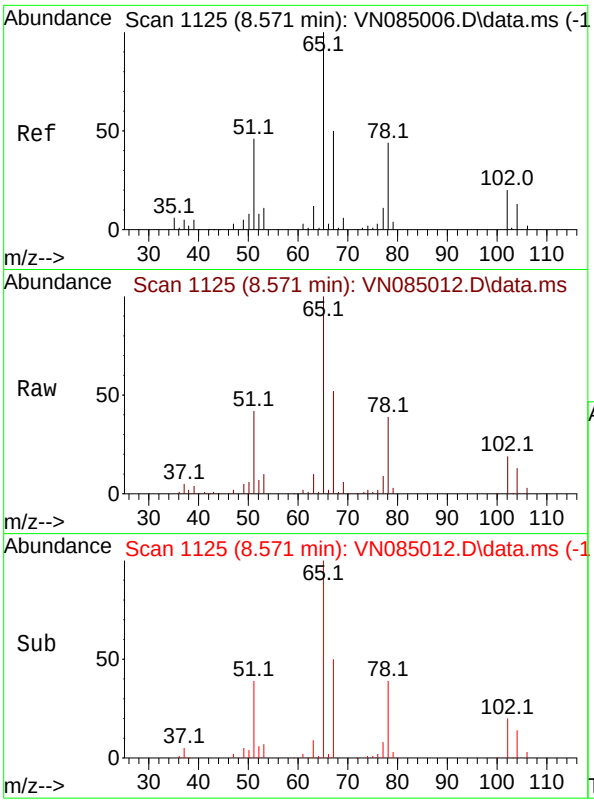


#32
1,1,1-Trichloroethane
Concen: 45.714 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 97 Resp: 170723

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.4
61	45.6	36.2	54.2



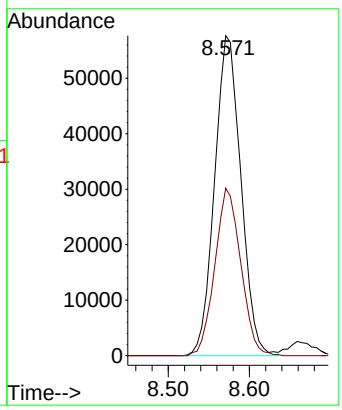


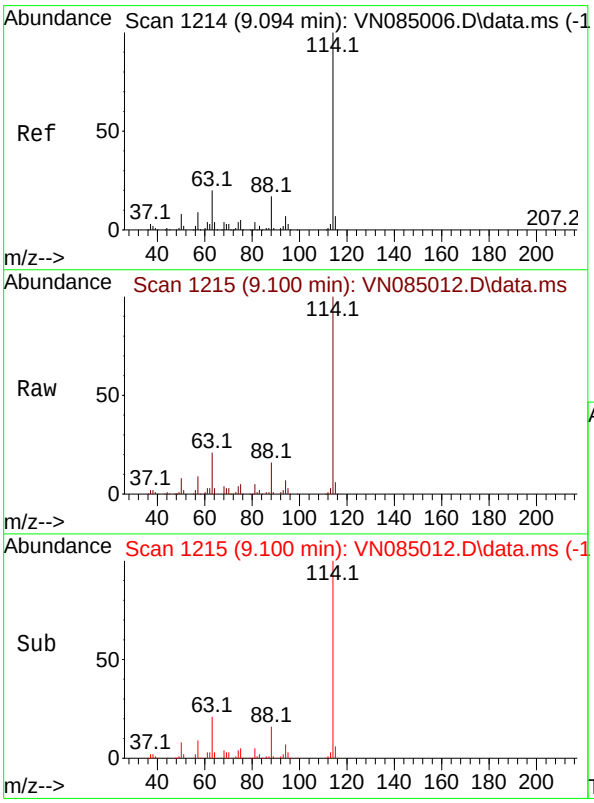
#33
1,2-Dichloroethane-d4
Concen: 50.568 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 65 Resp: 129855

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	105.0

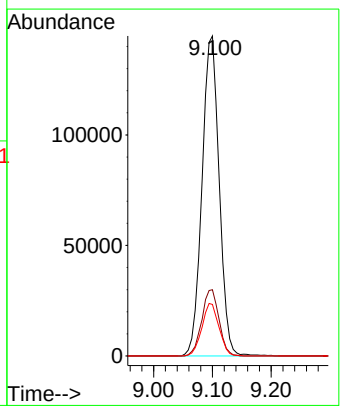


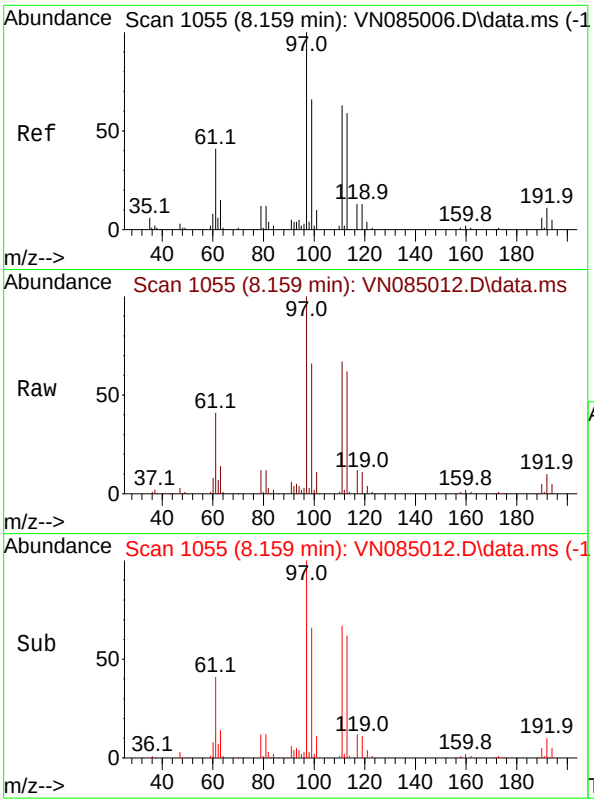


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:114 Resp: 293712

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	41.0
88	16.1	0.0	34.8



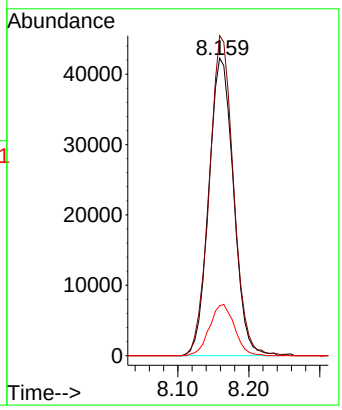


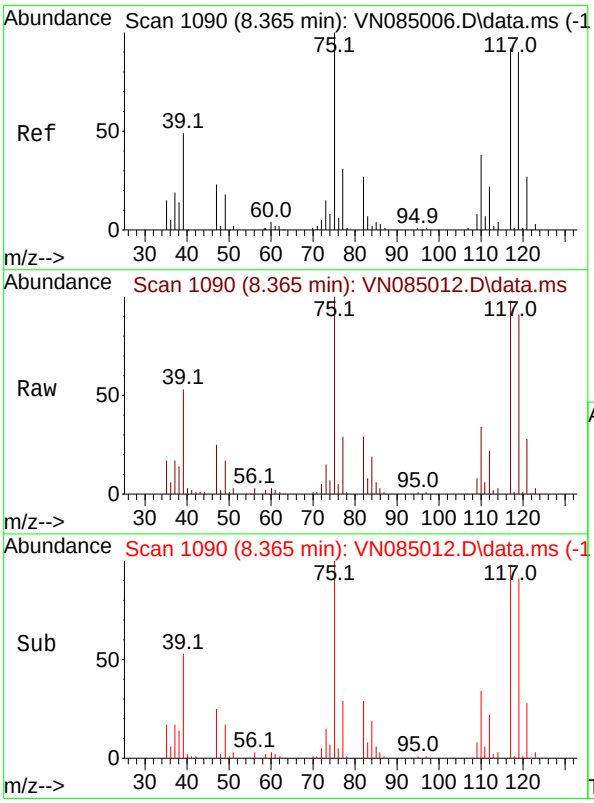
#35
Dibromofluoromethane
Concen: 51.572 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion:113 Resp: 102148

Ion	Ratio	Lower	Upper
113	100		
111	105.3	82.0	123.0
192	17.4	14.8	22.2

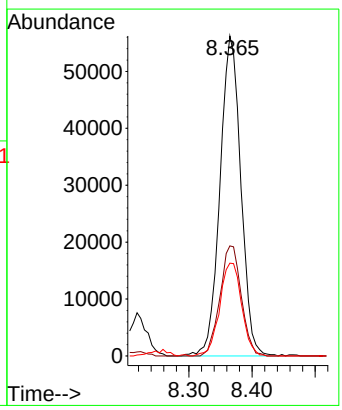


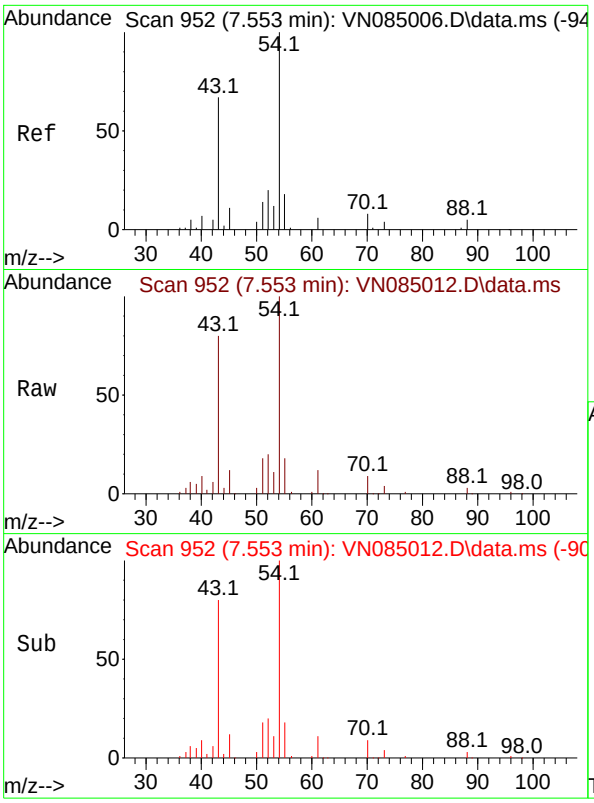


#36
1,1-Dichloropropene
Concen: 48.093 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 75 Resp: 129026

Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.2	51.6
77	30.7	24.2	36.4



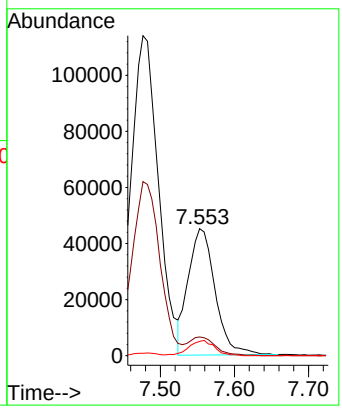


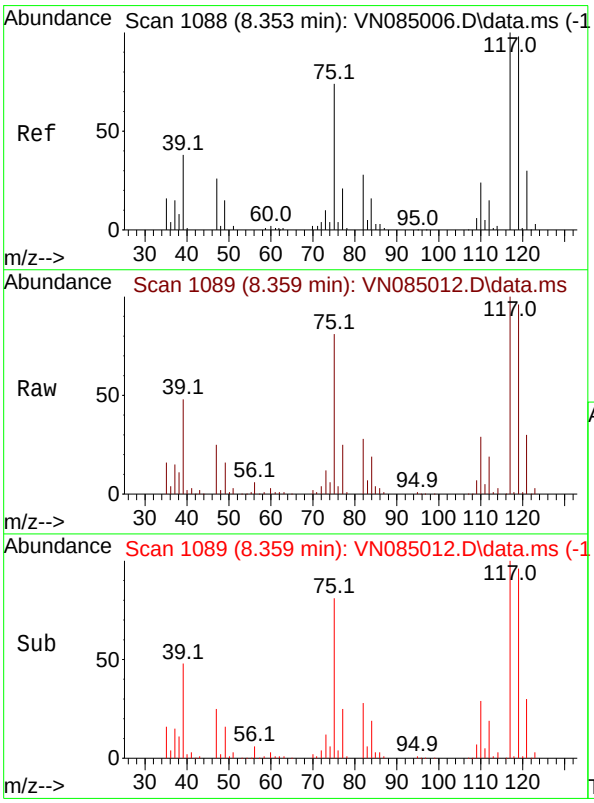
#37
Ethyl Acetate
Concen: 46.651 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 43 Resp: 113781

Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.7	17.5
70	11.5	9.3	13.9

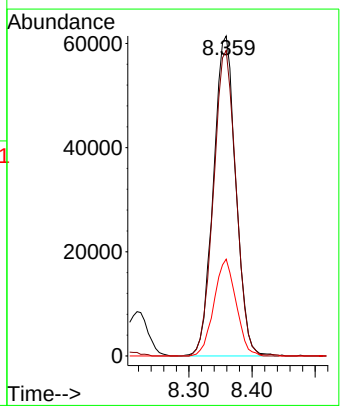


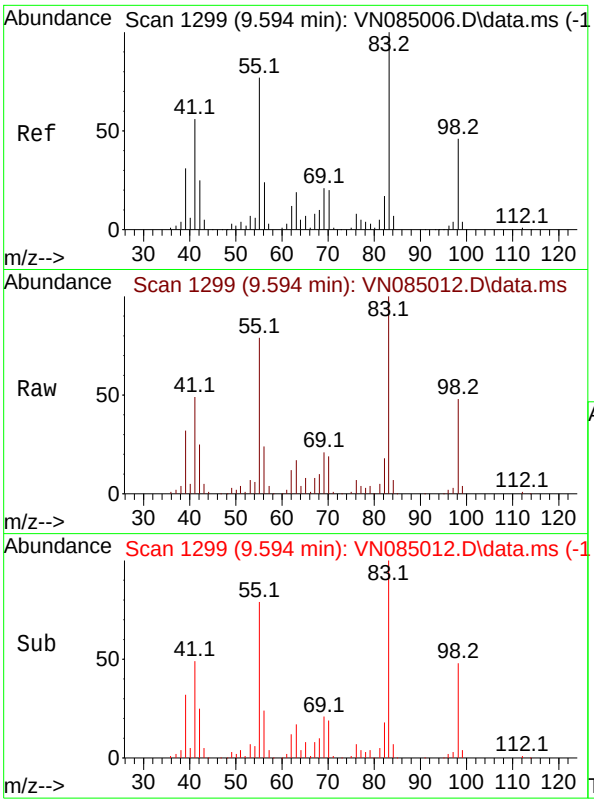


#38
Carbon Tetrachloride
Concen: 48.846 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:117 Resp: 151265

Ion	Ratio	Lower	Upper
117	100		
119	95.5	78.6	117.8
121	30.3	24.2	36.2



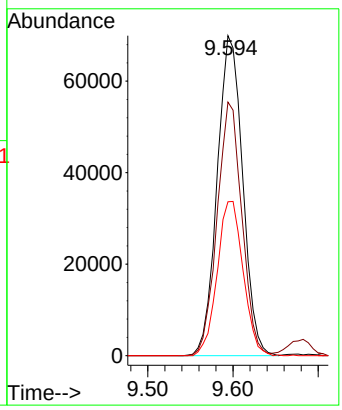


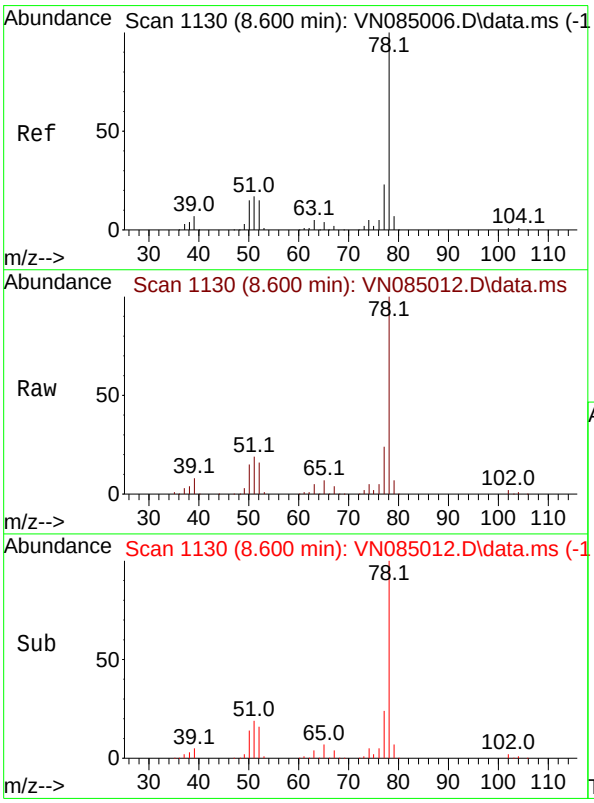
#39
Methylcyclohexane
Concen: 52.114 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 83 Resp: 145286

Ion	Ratio	Lower	Upper
83	100		
55	79.2	61.8	92.6
98	48.1	37.0	55.6

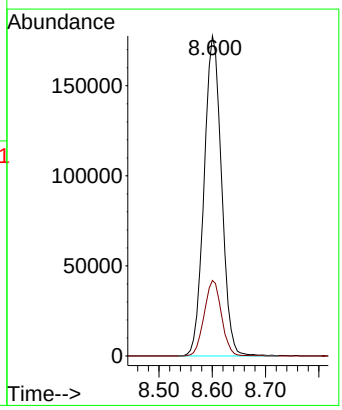


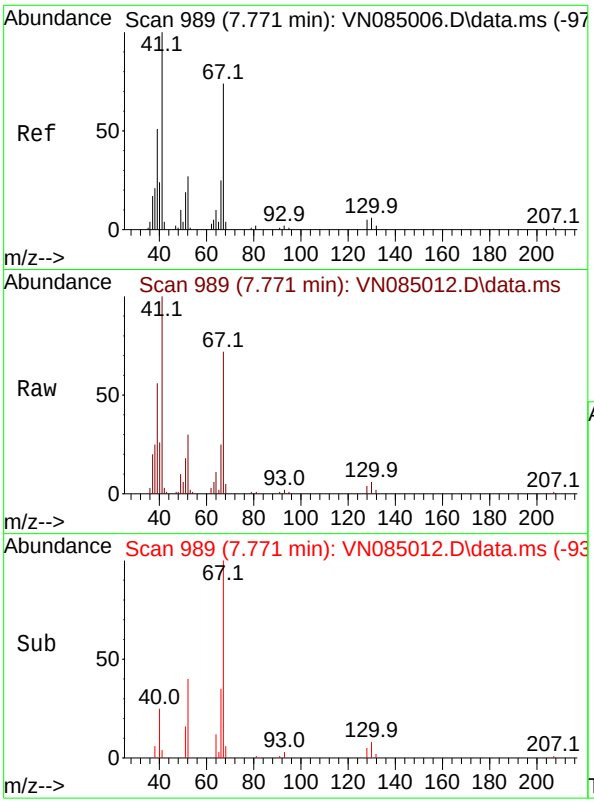


#40
Benzene
Concen: 47.675 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 78 Resp: 404536

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.5	27.7



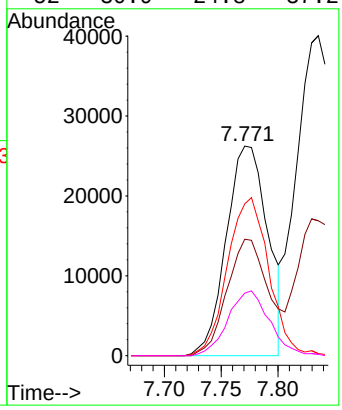


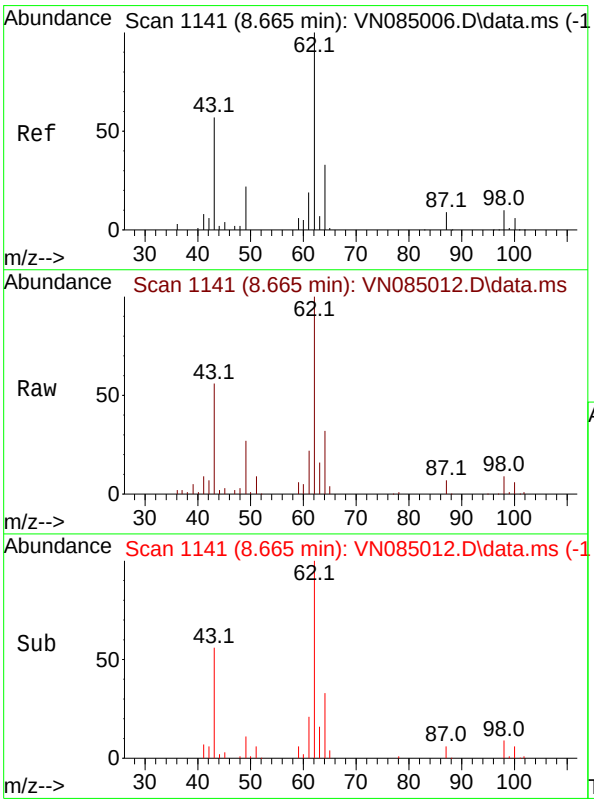
#41
Methacrylonitrile
Concen: 49.311 ug/l
RT: 7.771 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 41 Resp: 66590

Ion	Ratio	Lower	Upper
41	100		
39	56.6	42.6	63.8
67	75.5	59.9	89.9
52	30.9	24.8	37.2

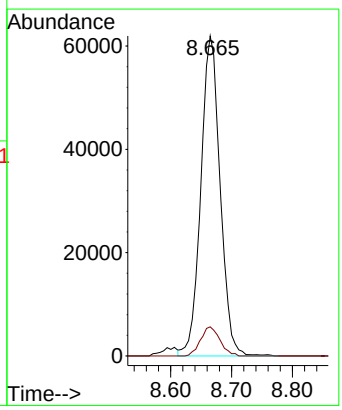


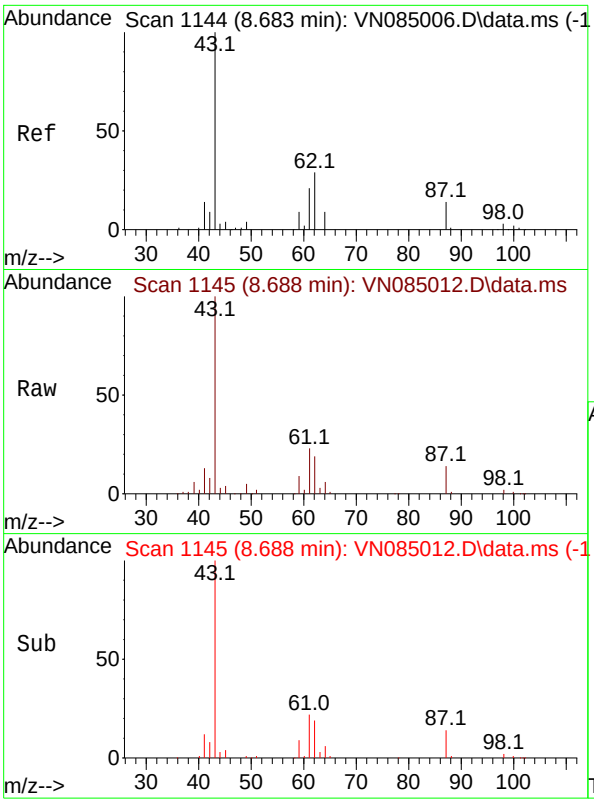


#42
1,2-Dichloroethane
Concen: 47.025 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 62 Resp: 136508

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2



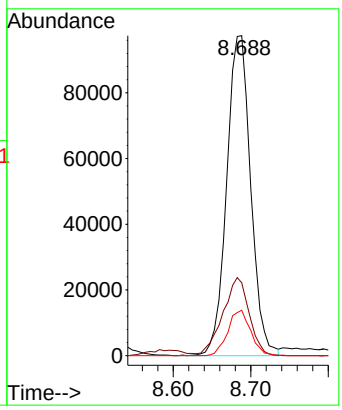


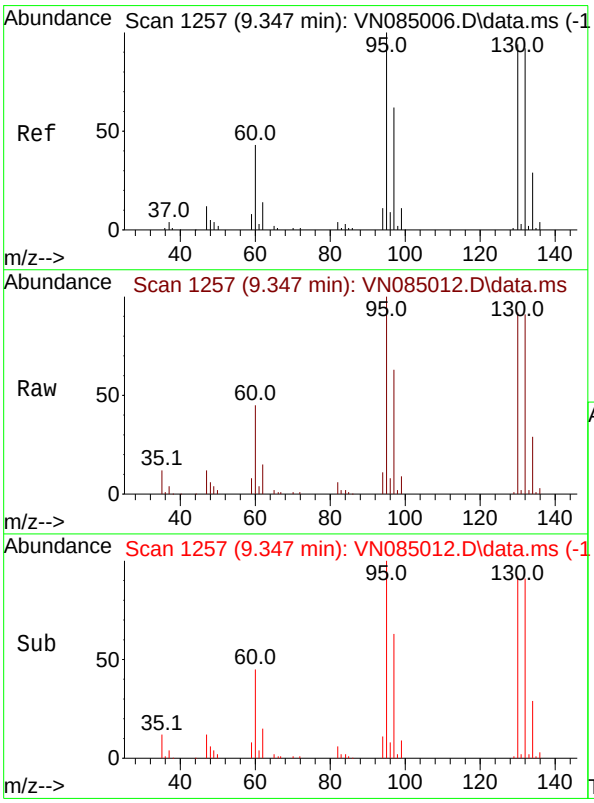
#43
Isopropyl Acetate
Concen: 41.574 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 43 Resp: 210623

Ion	Ratio	Lower	Upper
43	100		
61	26.7	20.6	30.8
87	13.5	11.0	16.4

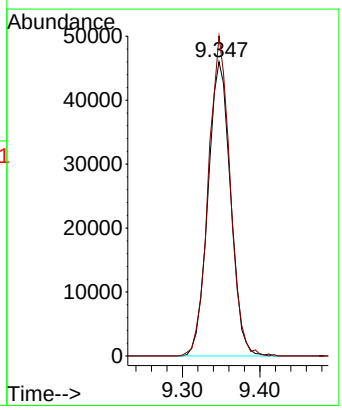


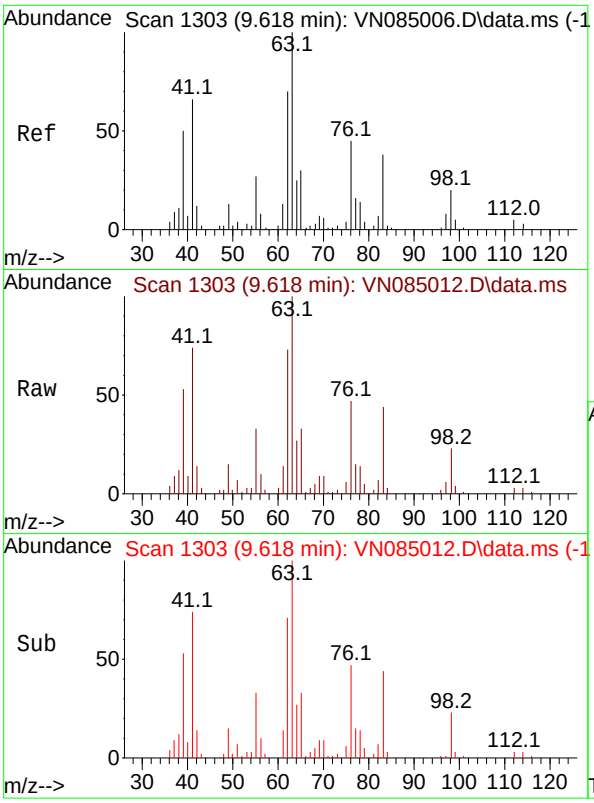


#44
Trichloroethene
Concen: 47.205 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:130 Resp: 93086

Ion	Ratio	Lower	Upper
130	100		
95	108.7	0.0	213.4



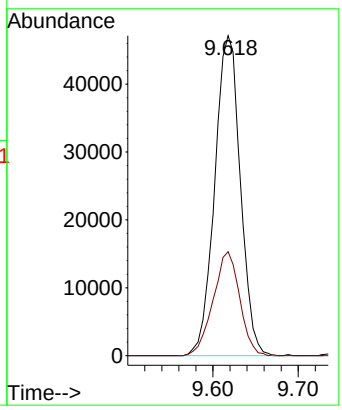


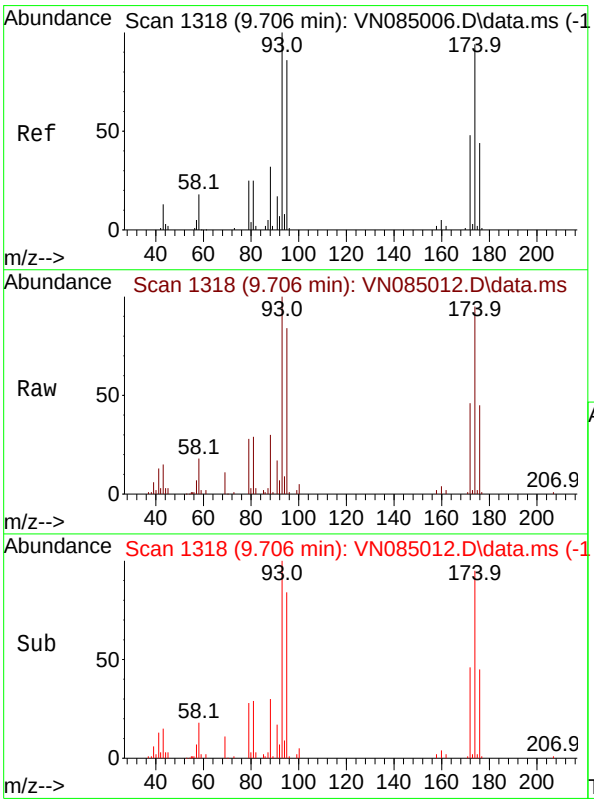
#45
1,2-Dichloropropane
Concen: 47.073 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 63 Resp: 98380

Ion	Ratio	Lower	Upper
63	100		
65	32.5	24.0	36.0

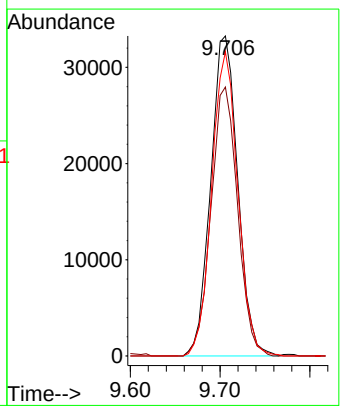


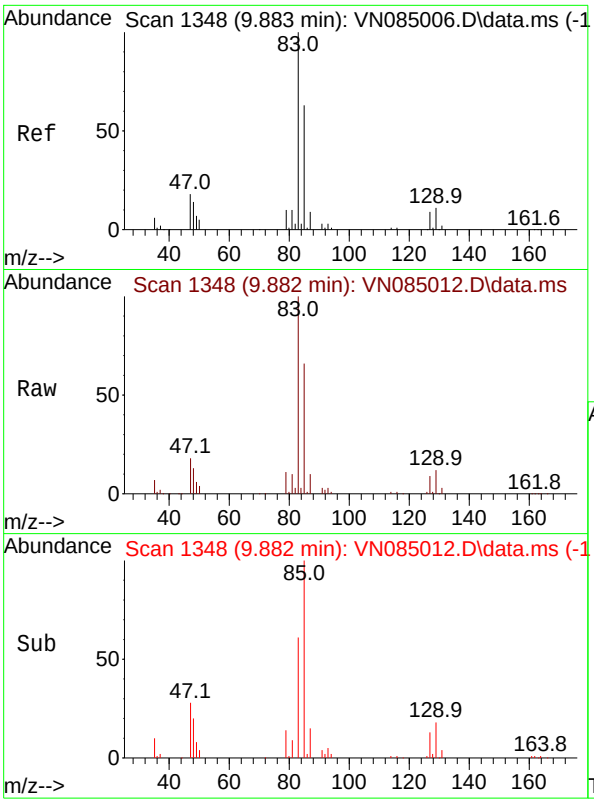


#46
Dibromomethane
Concen: 47.909 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 93 Resp: 69575

Ion	Ratio	Lower	Upper
93	100		
95	82.9	66.2	99.4
174	91.9	74.9	112.3



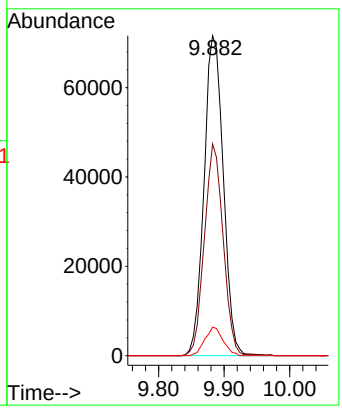


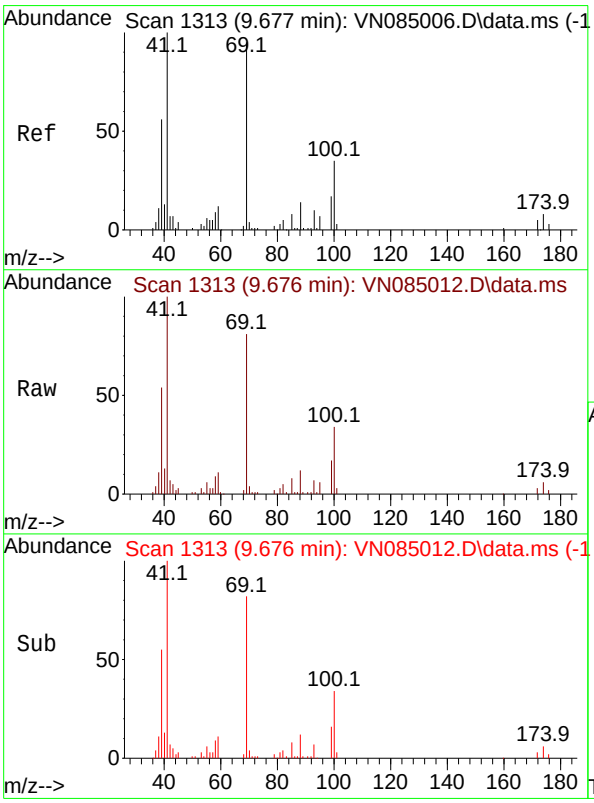
#47
Bromodichloromethane
Concen: 47.631 ug/l
RT: 9.882 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 83 Resp: 146603

Ion	Ratio	Lower	Upper
83	100		
85	66.2	50.5	75.7
127	8.9	7.1	10.7

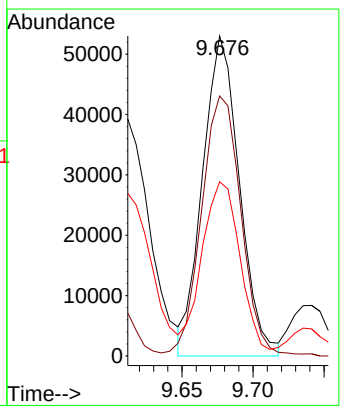


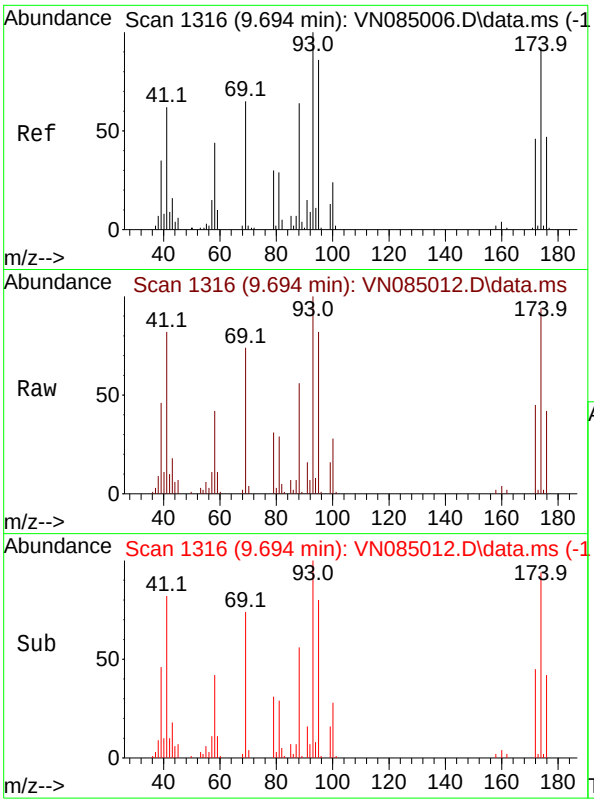


#48
Methyl methacrylate
Concen: 50.900 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 41 Resp: 95959

Ion	Ratio	Lower	Upper
41	100		
69	86.9	73.2	109.8
39	57.0	46.2	69.4



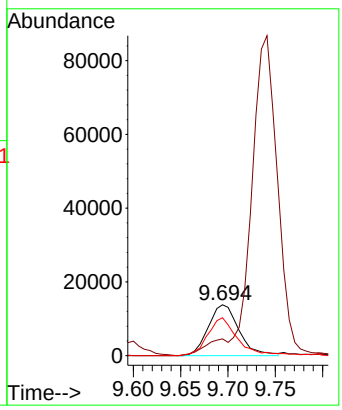


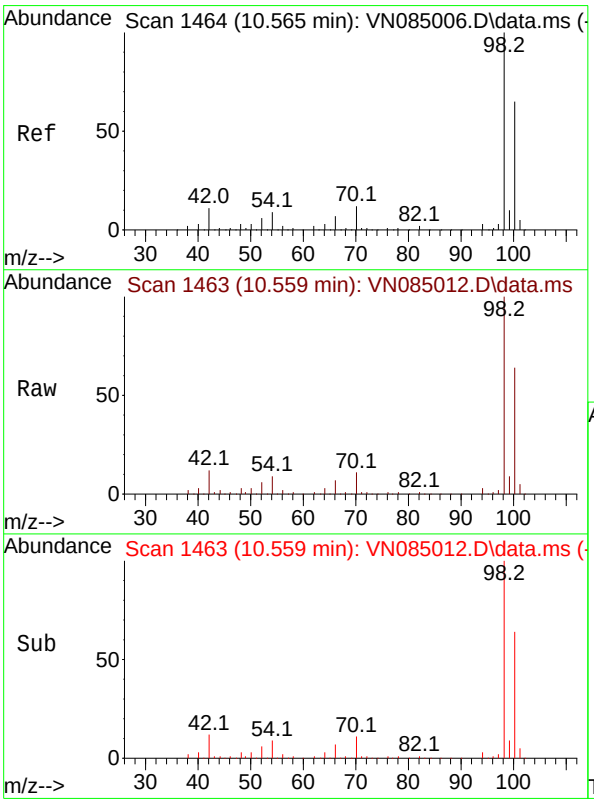
#49
1,4-Dioxane
Concen: 950.585 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 88 Resp: 31078

Ion	Ratio	Lower	Upper
88	100		
43	0.0	16.7	25.1#
58	73.0	56.5	84.7

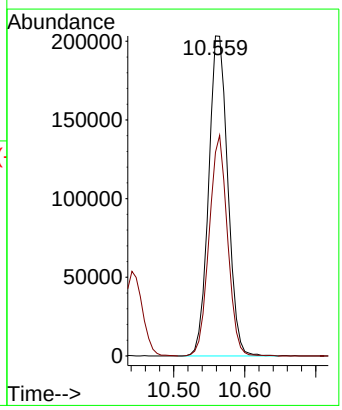


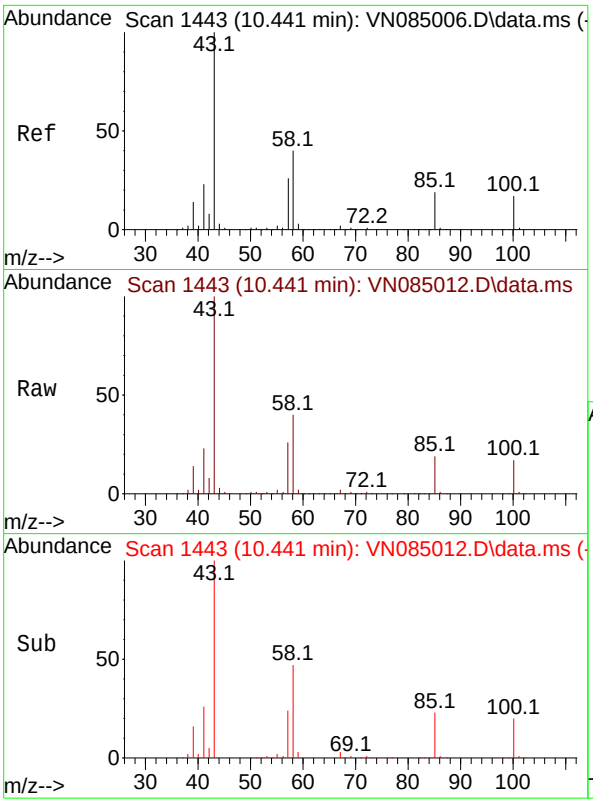


#50
Toluene-d8
Concen: 53.488 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 98 Resp: 379679

Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.5	78.7



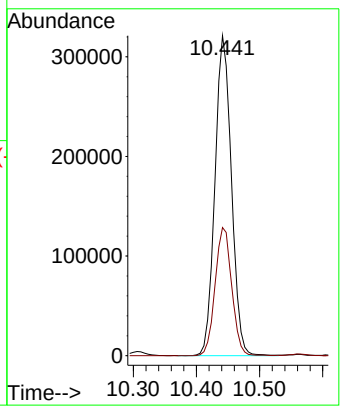


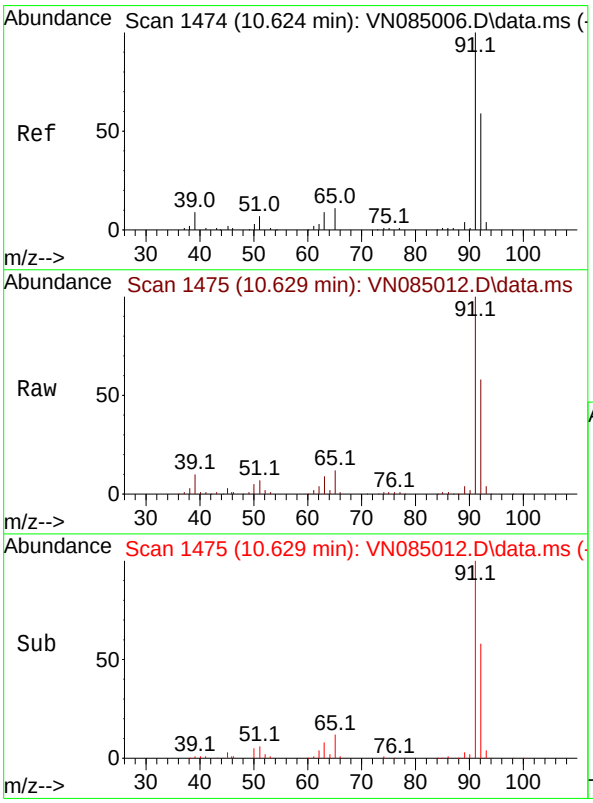
#51
4-Methyl-2-Pentanone
Concen: 251.720 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 43 Resp: 582480

Ion	Ratio	Lower	Upper
43	100		
58	40.4	32.1	48.1

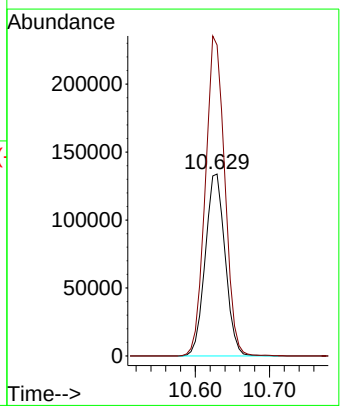


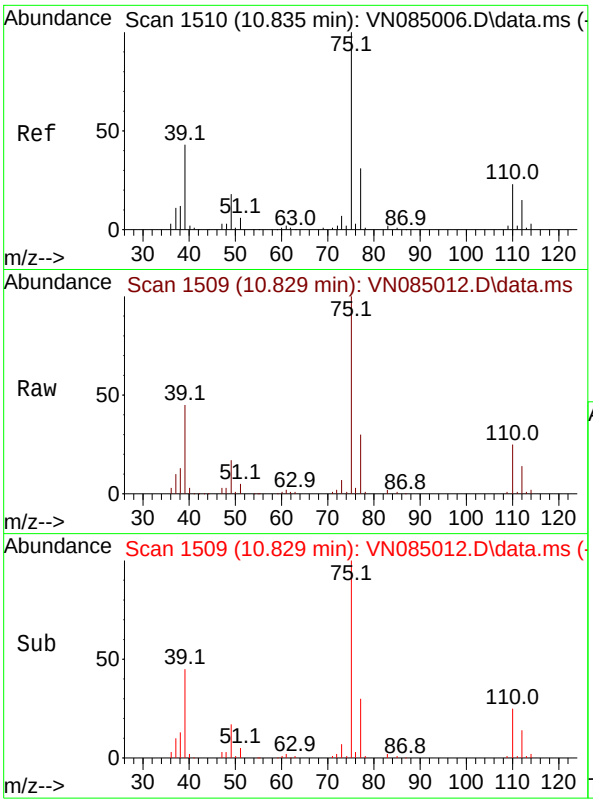


#52
Toluene
Concen: 49.682 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 92 Resp: 249568

Ion	Ratio	Lower	Upper
92	100		
91	171.9	136.7	205.1



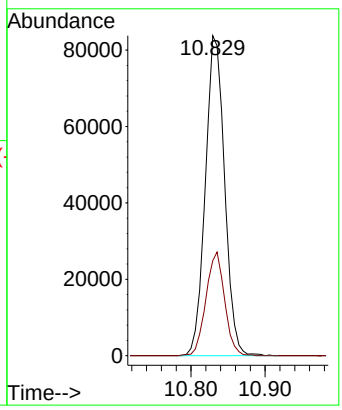


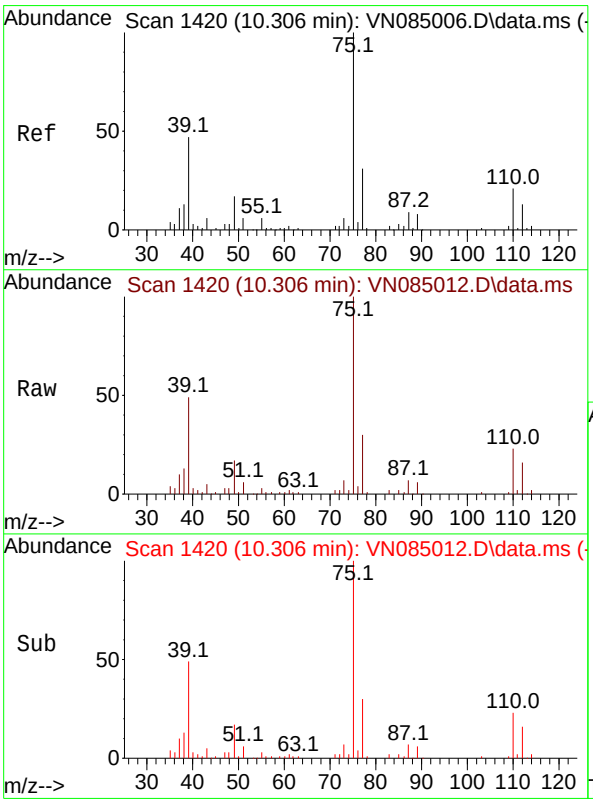
#53
t-1,3-Dichloropropene
Concen: 48.881 ug/l
RT: 10.829 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 75 Resp: 150836

Ion	Ratio	Lower	Upper
75	100		
77	29.7	25.0	37.4

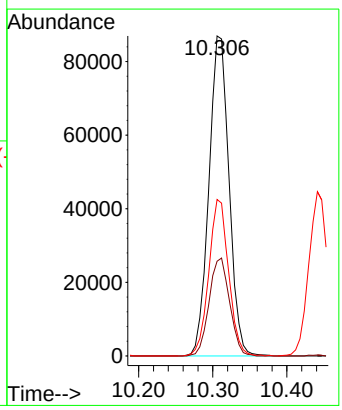


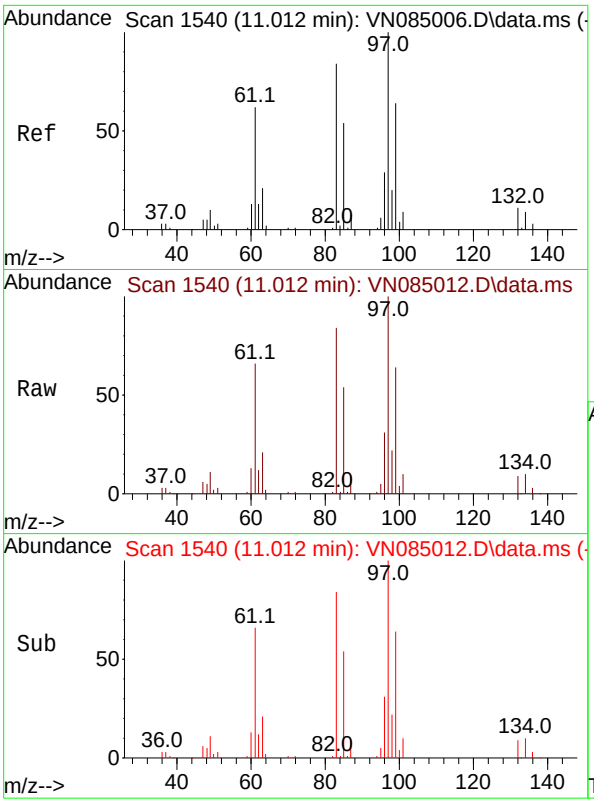


#54
cis-1,3-Dichloropropene
Concen: 50.100 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 75 Resp: 164009

Ion	Ratio	Lower	Upper
75	100		
77	29.6	25.0	37.4
39	48.9	37.6	56.4



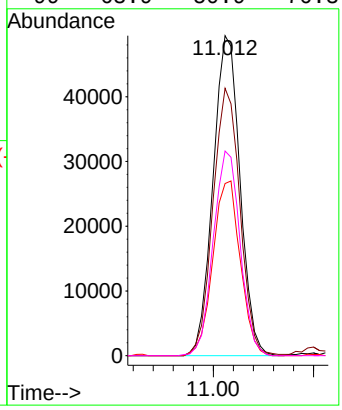


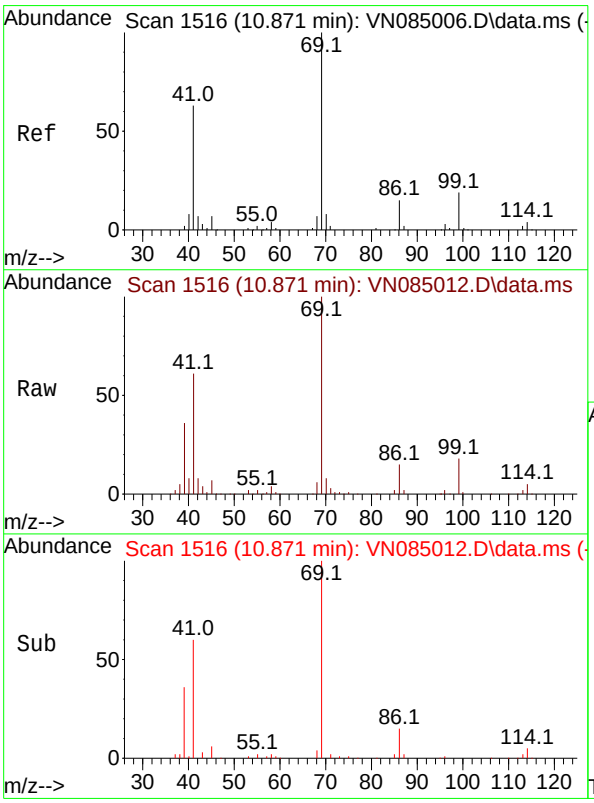
#55
1,1,2-Trichloroethane
Concen: 49.287 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 97 Resp: 92219

Ion	Ratio	Lower	Upper
97	100		
83	83.5	67.4	101.2
85	53.8	43.1	64.7
99	63.9	50.9	76.3

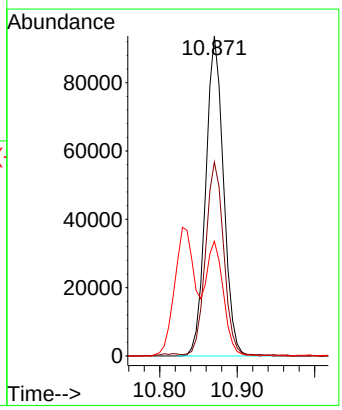


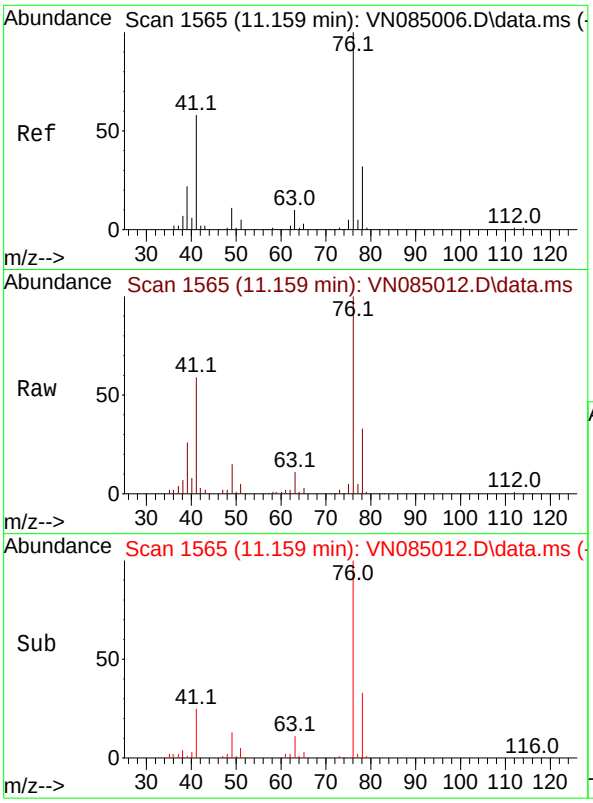


#56
Ethyl methacrylate
Concen: 54.694 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 69 Resp: 149537

Ion	Ratio	Lower	Upper
69	100		
41	61.1	50.0	75.0
39	34.6	27.0	40.6



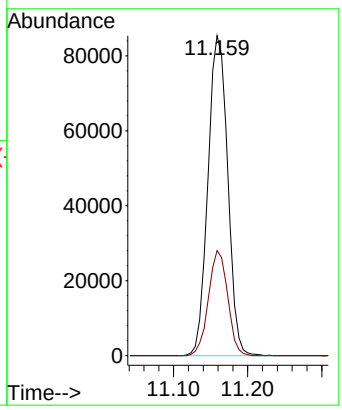


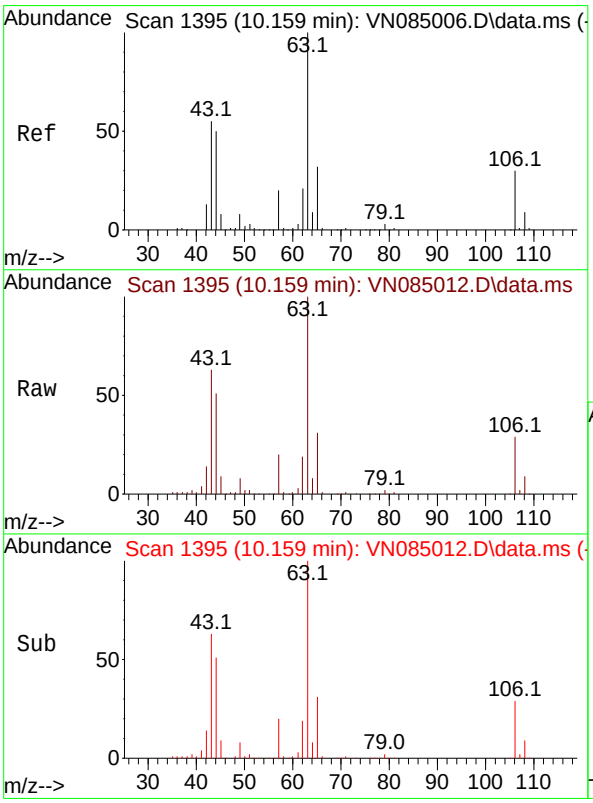
#57
1,3-Dichloropropane
Concen: 47.980 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 76 Resp: 158000

Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.1	39.1

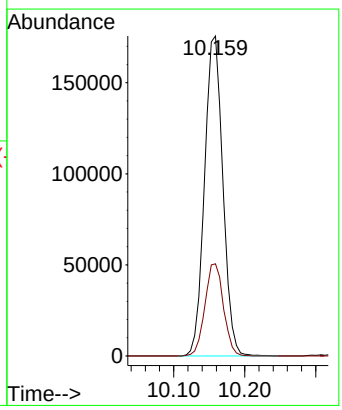


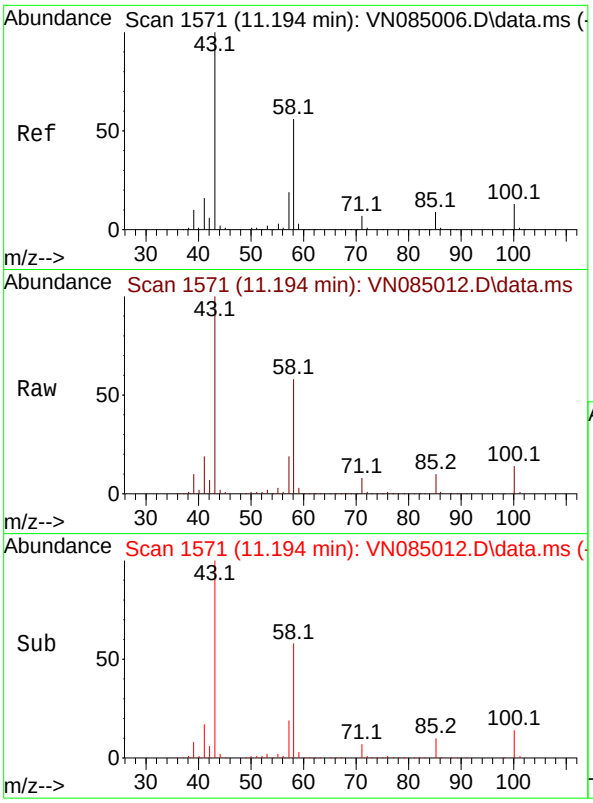


#58
2-Chloroethyl Vinyl ether
Concen: 235.323 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 63 Resp: 315602

Ion	Ratio	Lower	Upper
63	100		
106	29.1	23.0	34.6



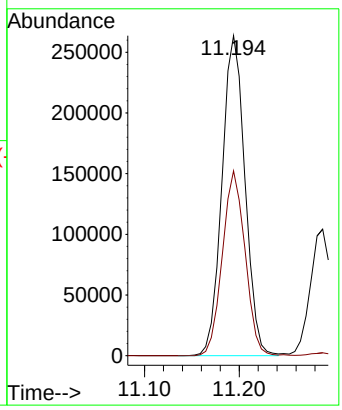


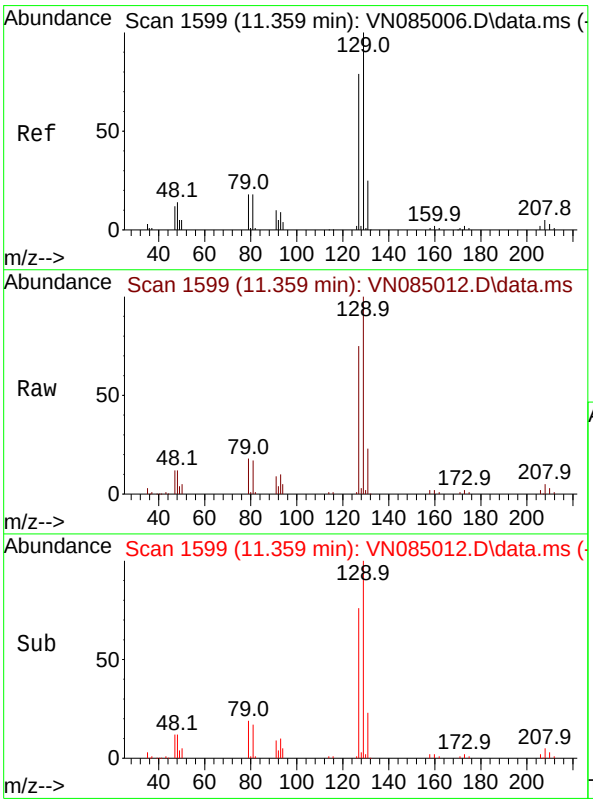
#59
2-Hexanone
Concen: 256.983 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 43 Resp: 444749

Ion	Ratio	Lower	Upper
43	100		
58	56.9	28.3	85.0

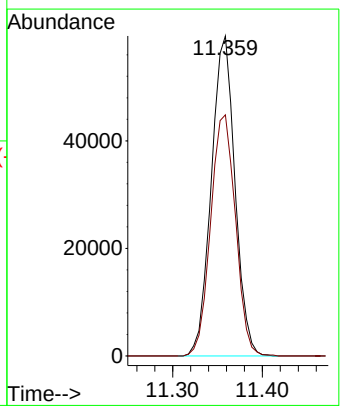


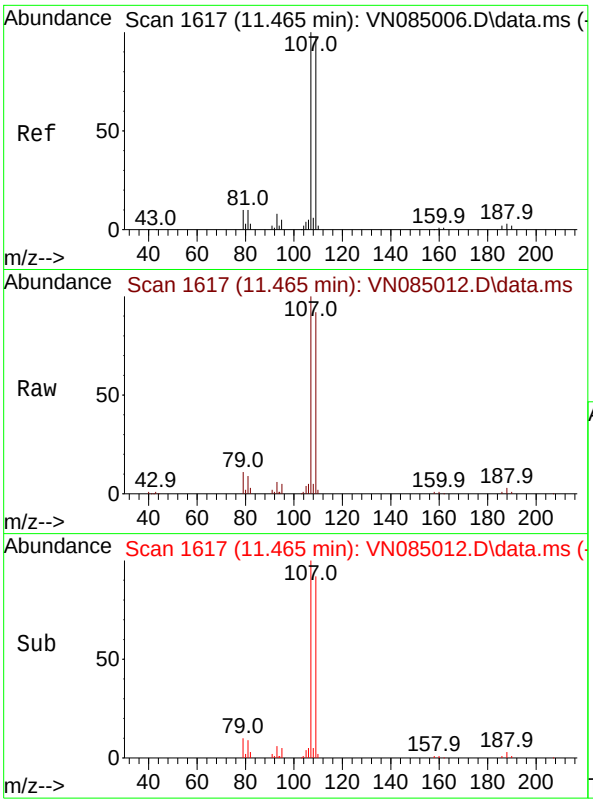


#60
Dibromochloromethane
Concen: 47.650 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:129 Resp: 108961

Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.2	117.6



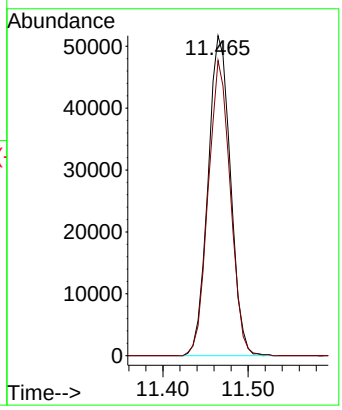


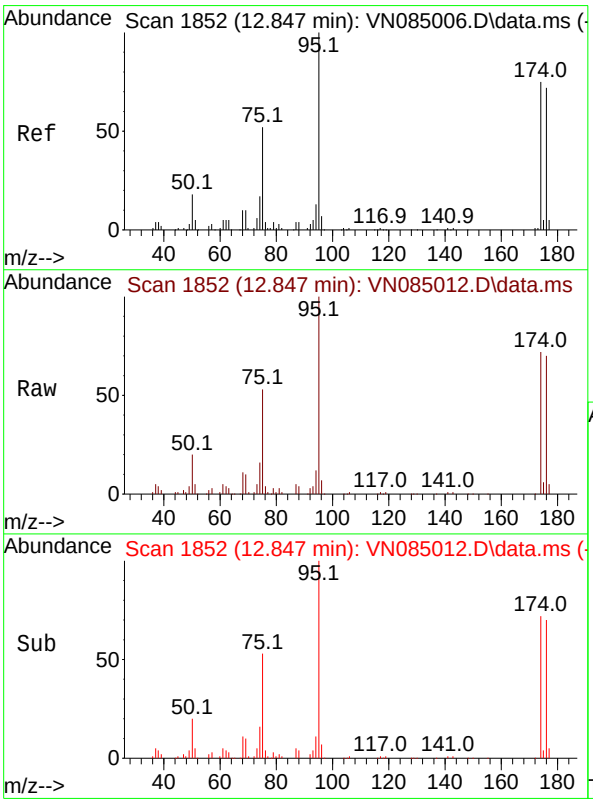
#61
1,2-Dibromoethane
Concen: 48.883 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion:107 Resp: 94657

Ion	Ratio	Lower	Upper
107	100		
109	90.8	76.1	114.1

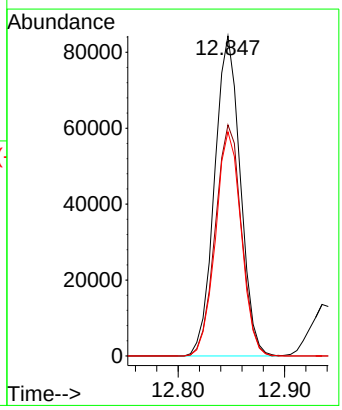


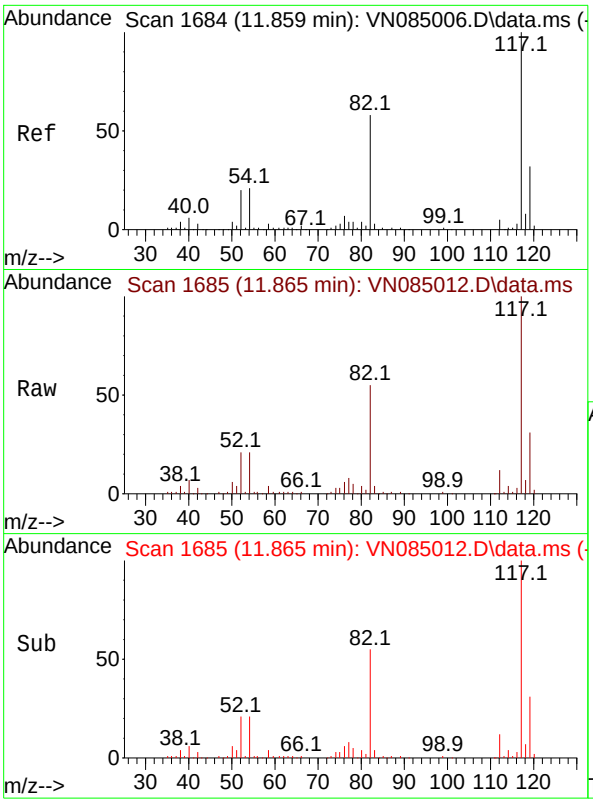


#62
4-Bromofluorobenzene
Concen: 53.276 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 95 Resp: 141423

Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	146.6
176	69.8	0.0	141.8



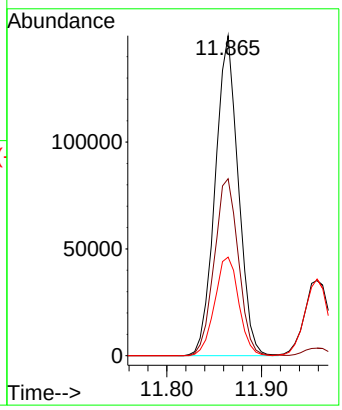


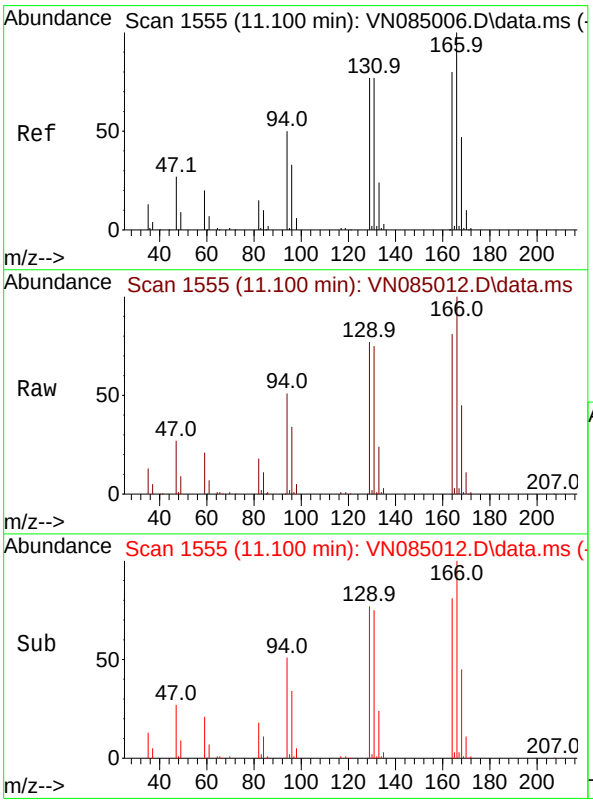
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion:117 Resp: 254182

Ion	Ratio	Lower	Upper
117	100		
82	55.3	46.0	69.0
119	30.8	25.6	38.4

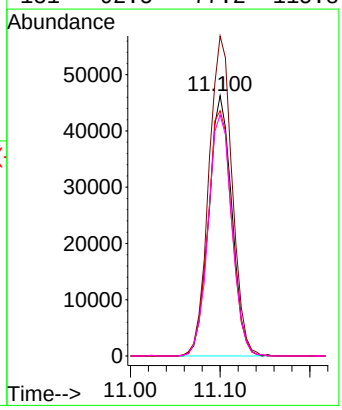


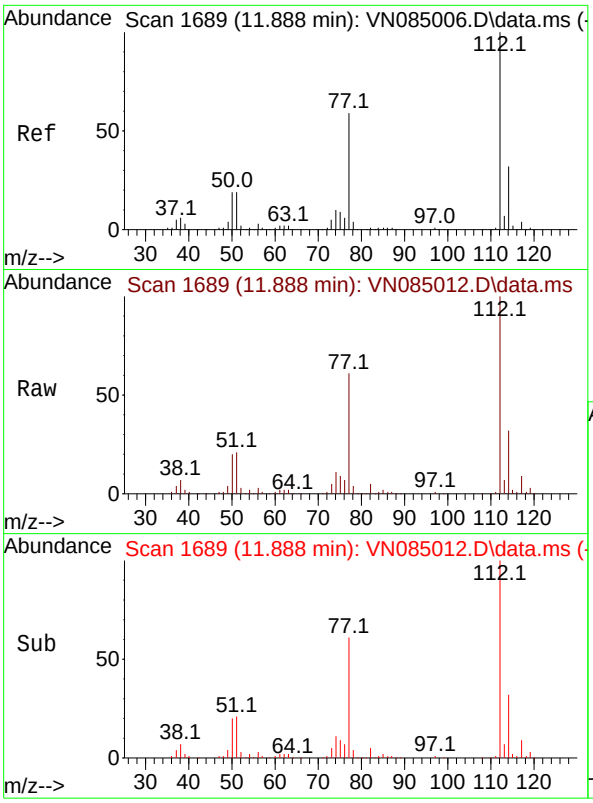


#64
Tetrachloroethene
Concen: 48.316 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:164 Resp: 82753

Ion	Ratio	Lower	Upper
164	100		
166	122.9	100.6	151.0
129	94.2	77.7	116.5
131	92.5	77.2	115.8



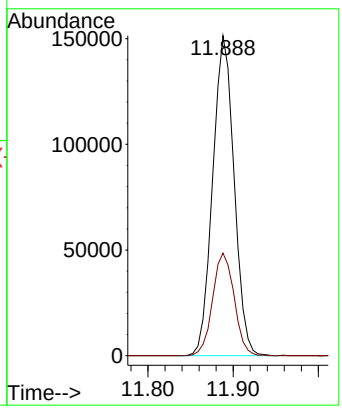


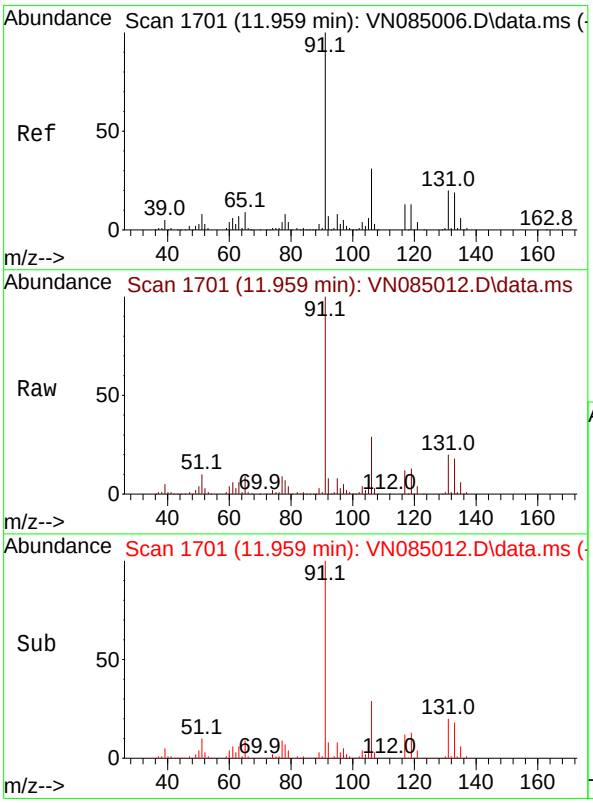
#65
Chlorobenzene
Concen: 45.936 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion:112 Resp: 264798

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.8	38.6

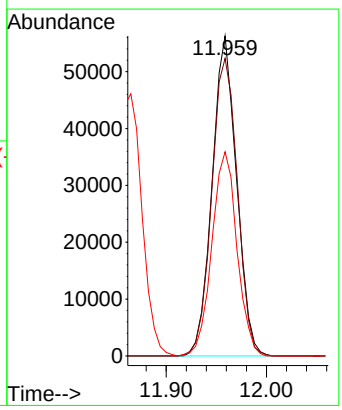


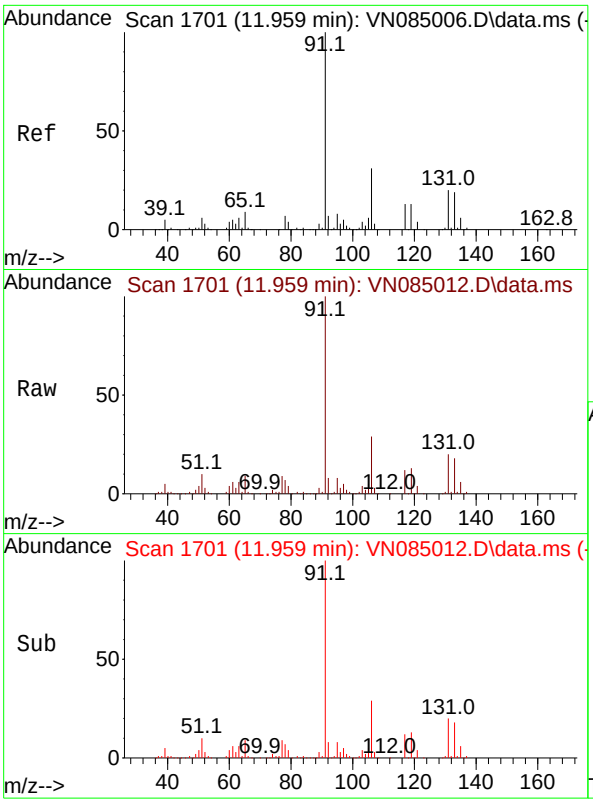


#66
1,1,1,2-Tetrachloroethane
Concen: 46.991 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:131 Resp: 95374

Ion	Ratio	Lower	Upper
131	100		
133	97.7	47.8	143.4
119	65.5	32.1	96.3



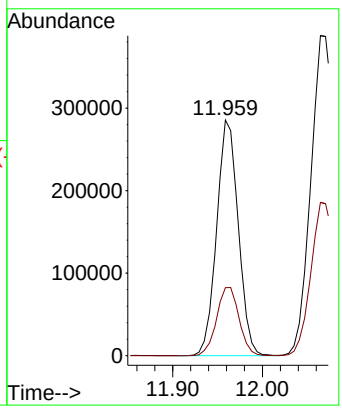


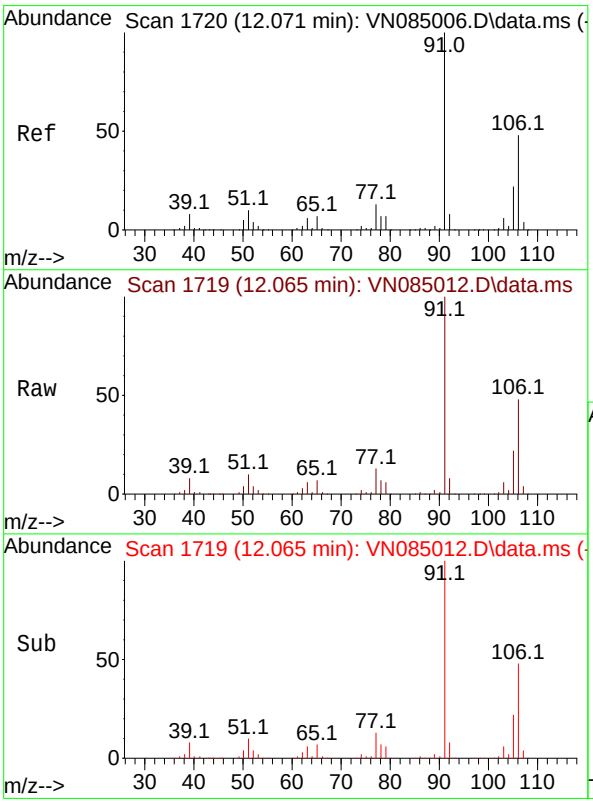
#67
Ethyl Benzene
Concen: 51.046 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 91 Resp: 477400

Ion	Ratio	Lower	Upper
91	100		
106	28.8	24.7	37.1

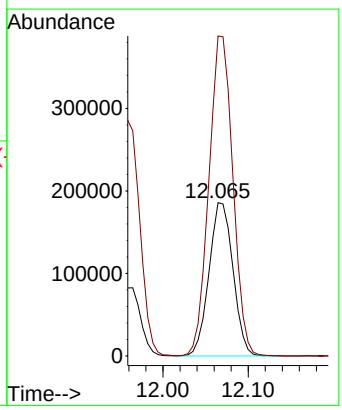


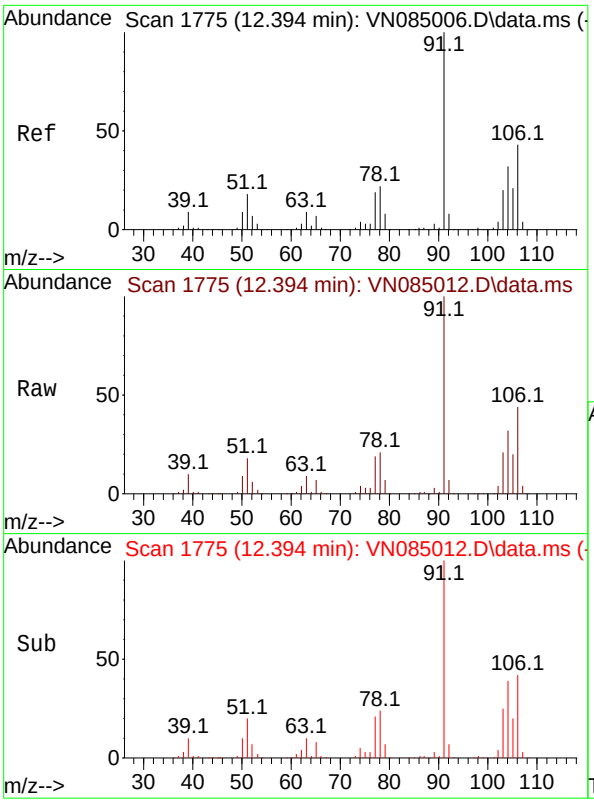


#68
m/p-Xylenes
Concen: 101.951 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:106 Resp: 363006

Ion	Ratio	Lower	Upper
106	100		
91	209.0	168.0	252.0



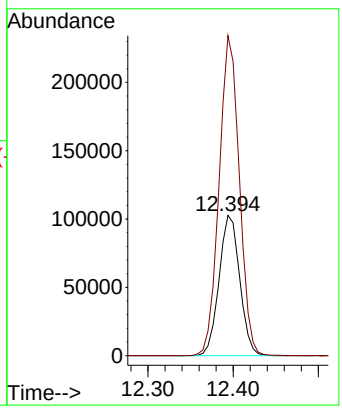


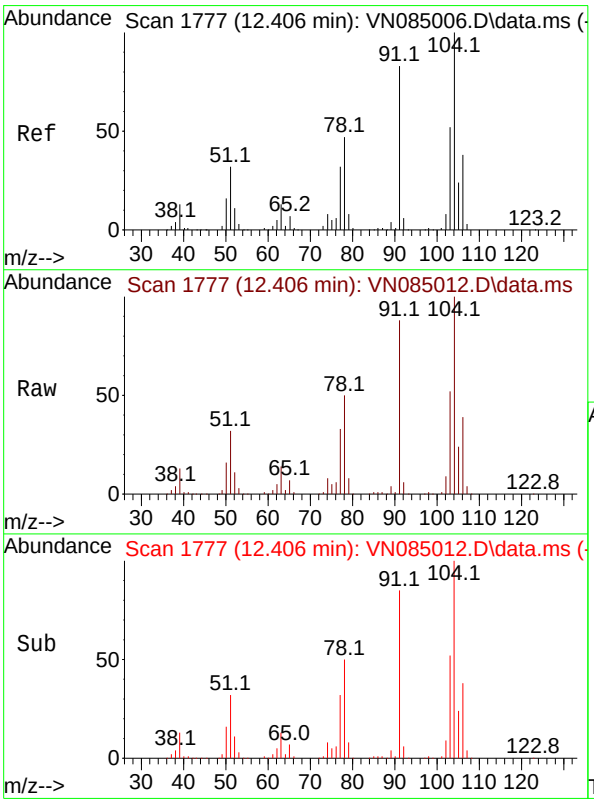
#69
o-Xylene
Concen: 51.086 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion:106 Resp: 173028

Ion	Ratio	Lower	Upper
106	100		
91	223.8	110.7	331.9

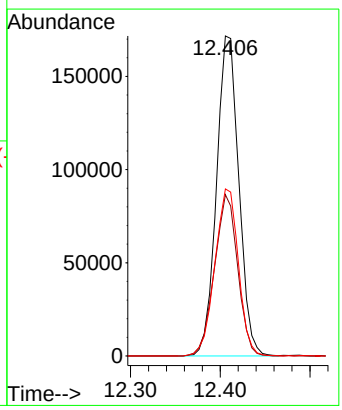


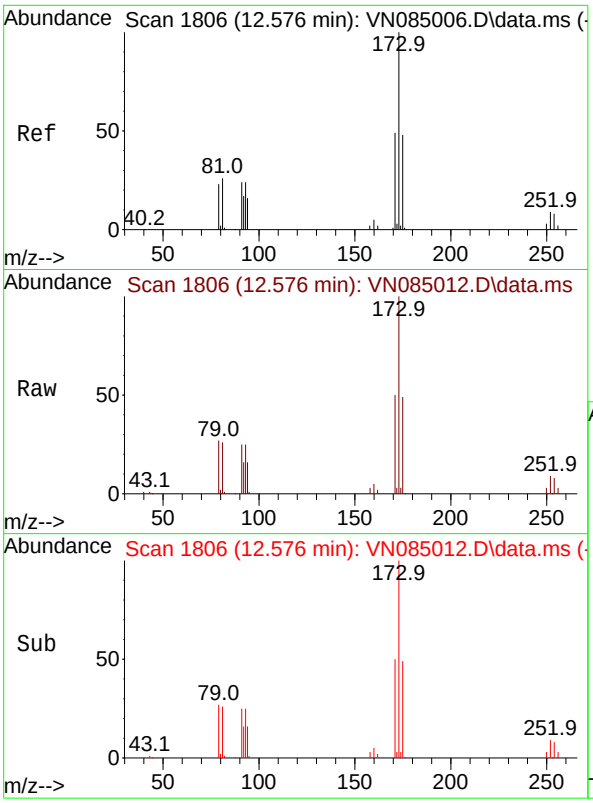


#70
Styrene
Concen: 52.687 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:104 Resp: 296759

Ion	Ratio	Lower	Upper
104	100		
78	52.3	42.3	63.5
103	55.0	44.2	66.2



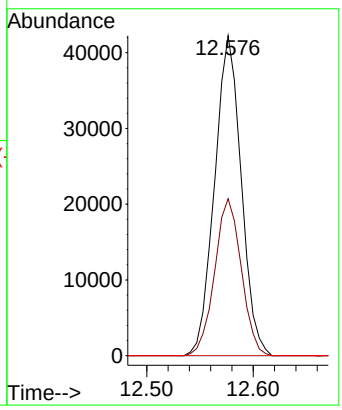


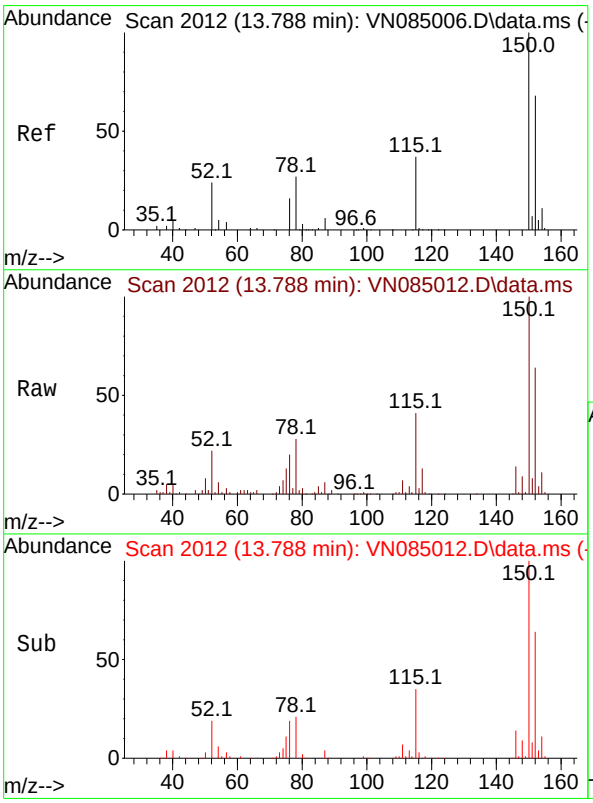
#71
Bromoform
Concen: 48.617 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion:173 Resp: 73244

Ion	Ratio	Lower	Upper
173	100		
175	49.0	23.8	71.2
254	0.0	0.0	0.0

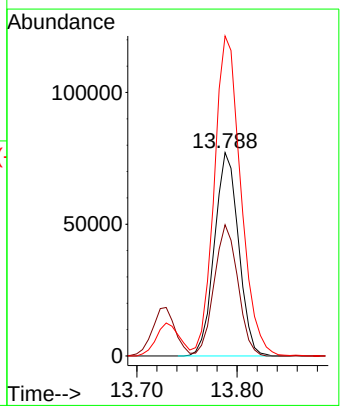


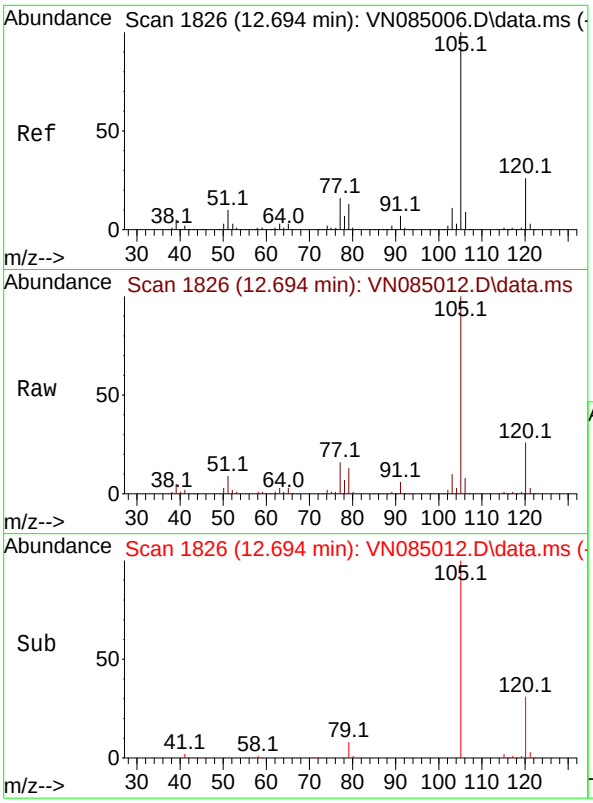


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:152 Resp: 128770

Ion	Ratio	Lower	Upper
152	100		
115	63.6	31.7	95.1
150	173.6	0.0	351.4



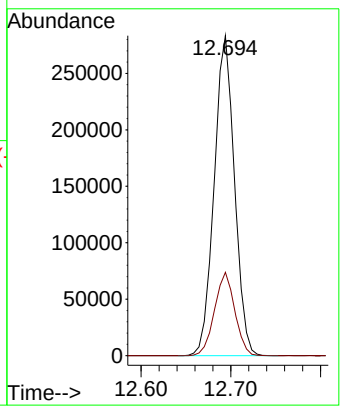


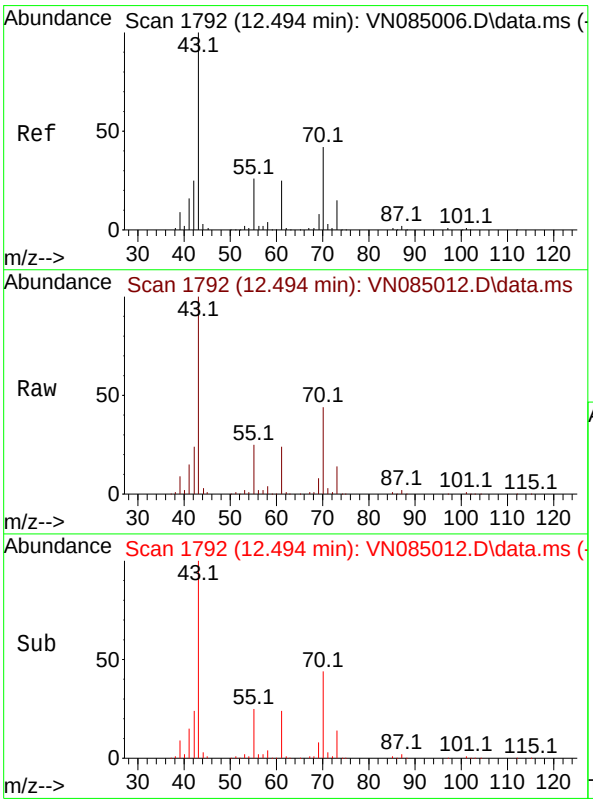
#73
Isopropylbenzene
Concen: 49.014 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion:105 Resp: 445261

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	39.0

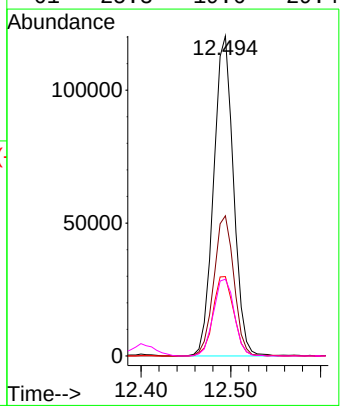


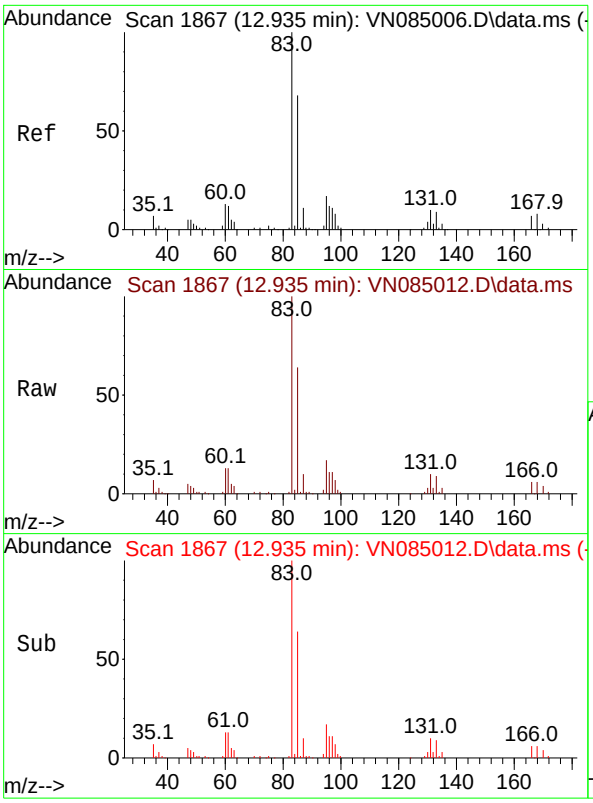


#74
N-amyl acetate
Concen: 49.418 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 43 Resp: 184990

Ion	Ratio	Lower	Upper
43	100		
70	44.4	34.6	51.8
55	25.8	20.5	30.7
61	25.3	19.6	29.4



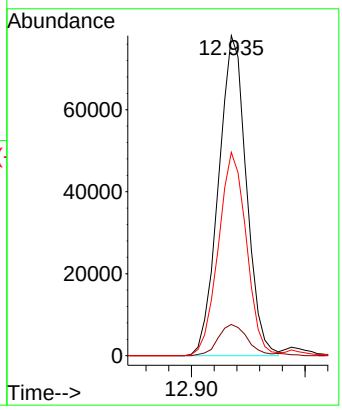


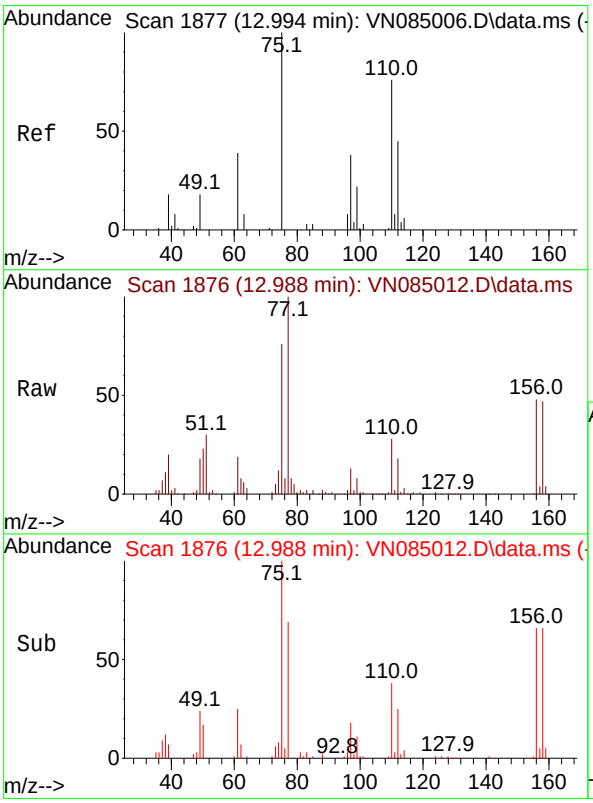
#75
1,1,2,2-Tetrachloroethane
Concen: 42.796 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 83 Resp: 132755

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.4
85	64.0	32.1	96.3

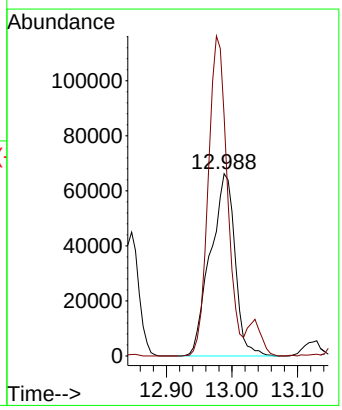


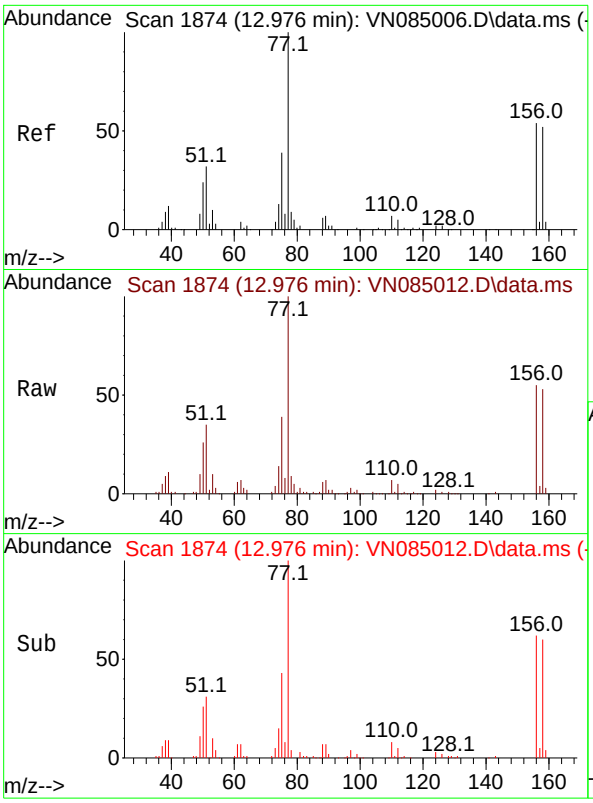


#76
1,2,3-Trichloropropane
Concen: 73.722 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 75 Resp: 172673

Ion	Ratio	Lower	Upper
75	100		
77	135.8	109.1	327.4



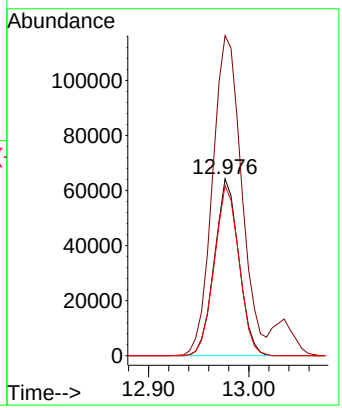


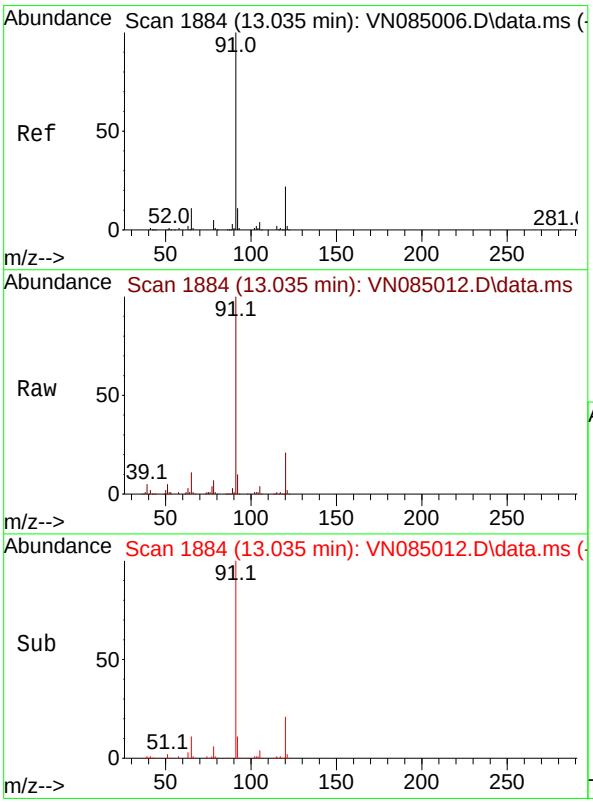
#77
Bromobenzene
Concen: 44.410 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion:156 Resp: 108566

Ion	Ratio	Lower	Upper
156	100		
77	216.1	107.2	321.6
158	97.6	48.5	145.6

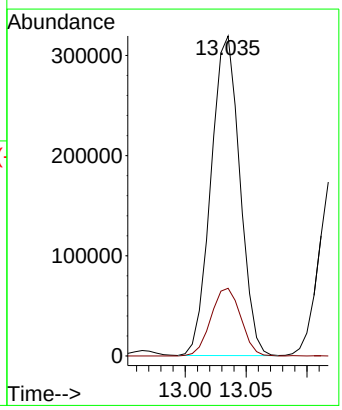


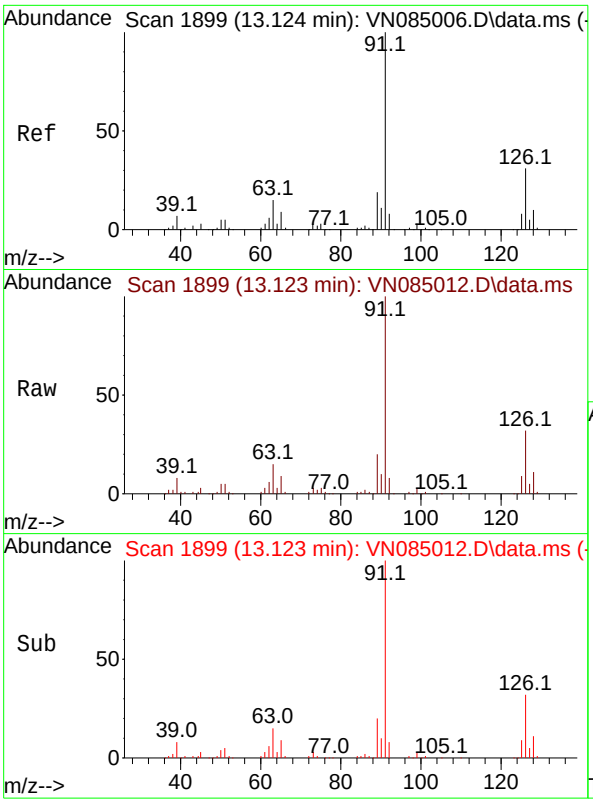


#78
n-propylbenzene
Concen: 50.160 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 91 Resp: 525567

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.3	33.9



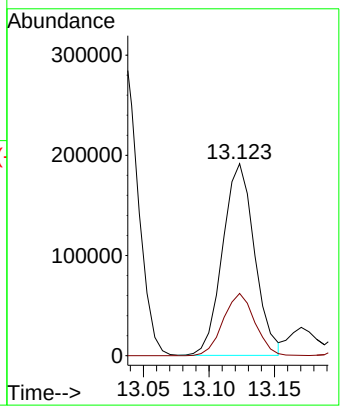


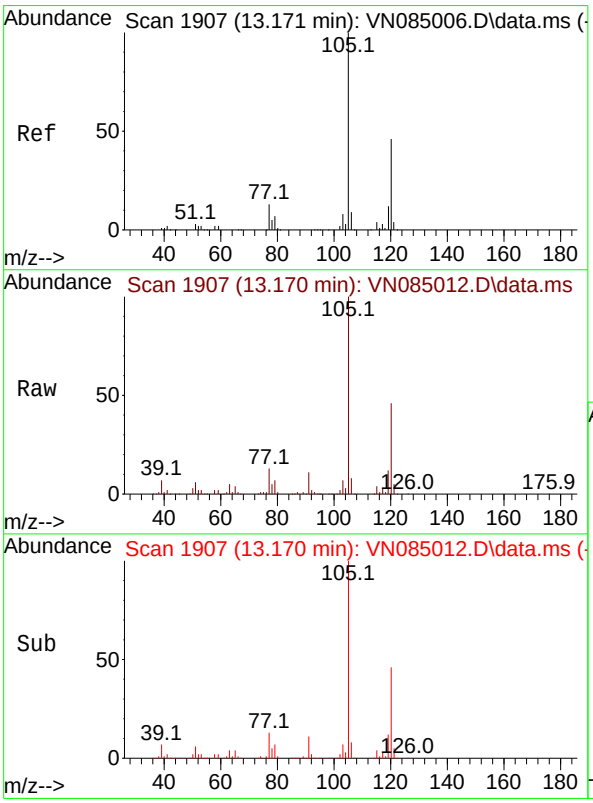
#79
2-Chlorotoluene
Concen: 46.409 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 91 Resp: 324611

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.3

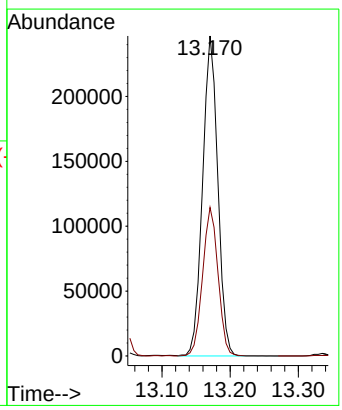


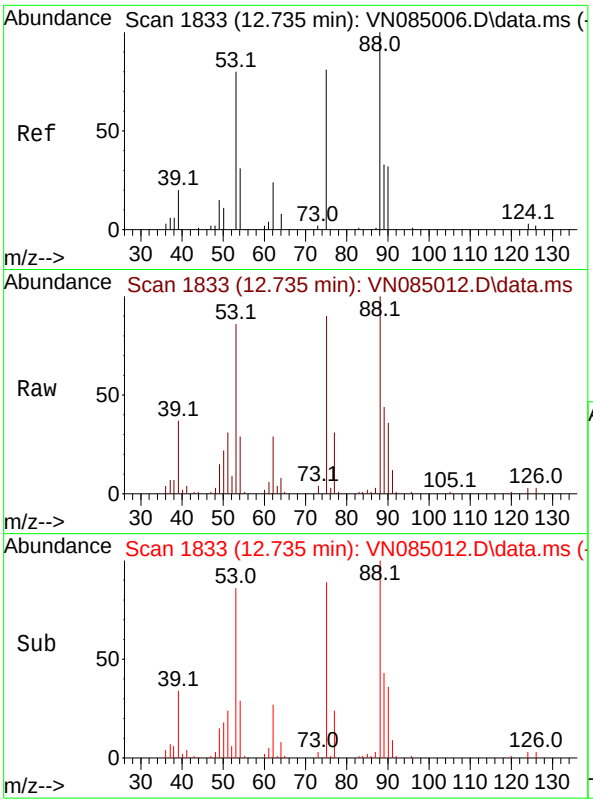


#80
1,3,5-Trimethylbenzene
Concen: 50.220 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:105 Resp: 382819

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.6	71.0



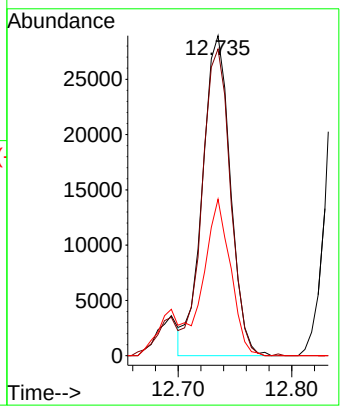


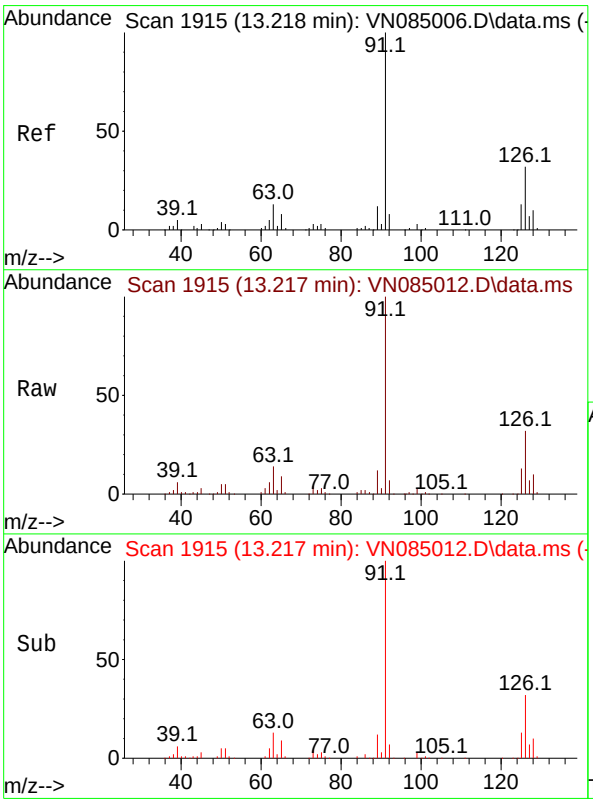
#81
trans-1,4-Dichloro-2-butene
Concen: 46.764 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 75 Resp: 49617

Ion	Ratio	Lower	Upper
75	100		
53	96.8	78.2	117.4
89	44.2	37.9	56.9

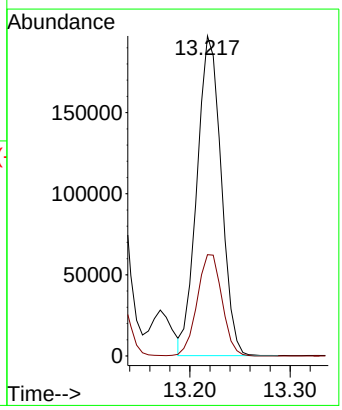


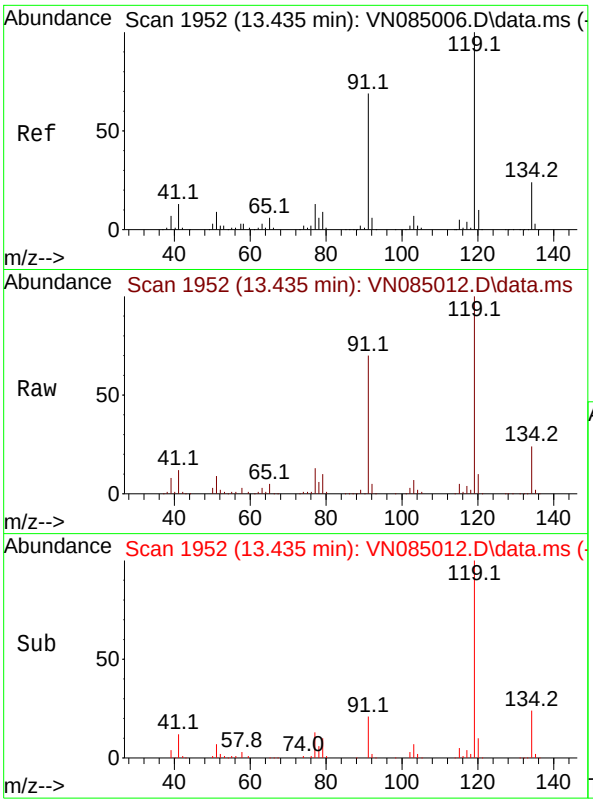


#82
4-Chlorotoluene
Concen: 45.496 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 91 Resp: 331271

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3



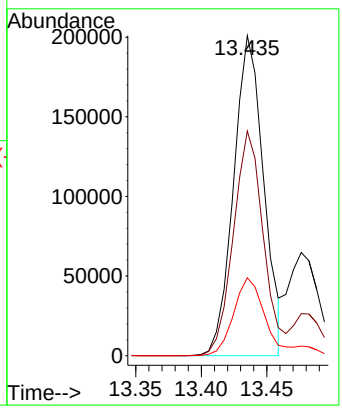


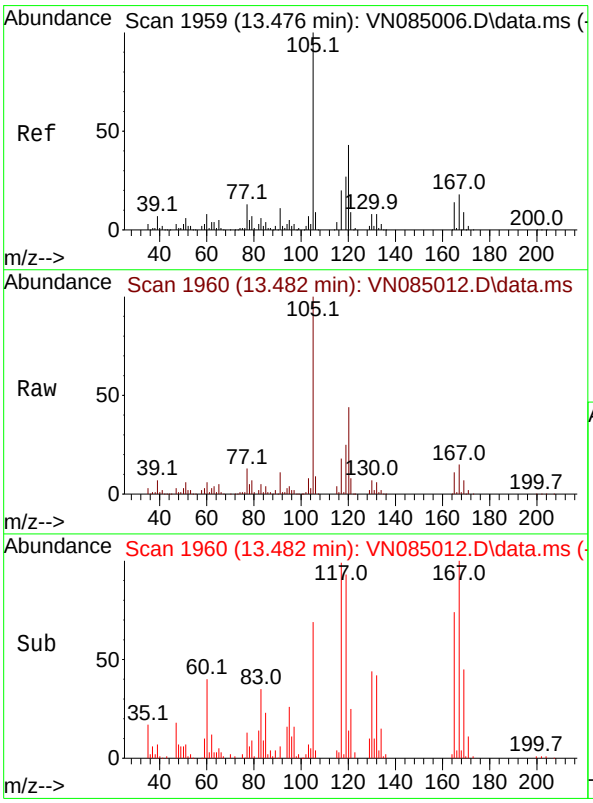
#83
tert-Butylbenzene
Concen: 48.939 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion:119 Resp: 320979

Ion	Ratio	Lower	Upper
119	100		
91	70.2	35.1	105.5
134	27.2	12.1	36.3

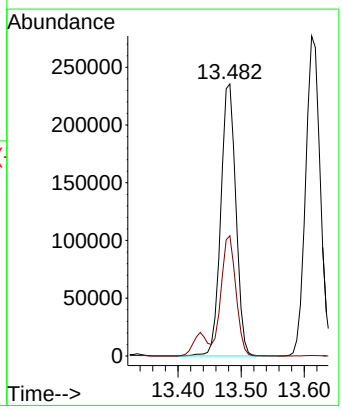


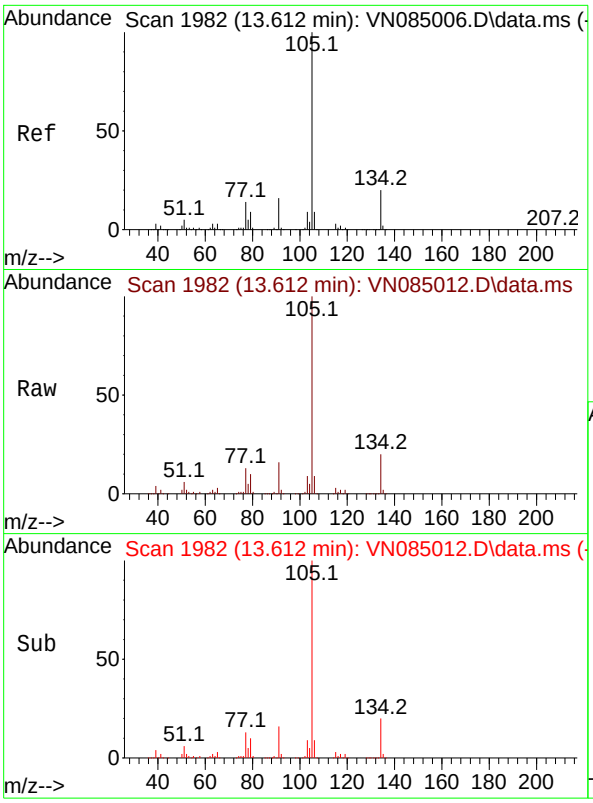


#84
1,2,4-Trimethylbenzene
Concen: 49.962 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:105 Resp: 392031

Ion	Ratio	Lower	Upper
105	100		
120	43.1	21.8	65.4



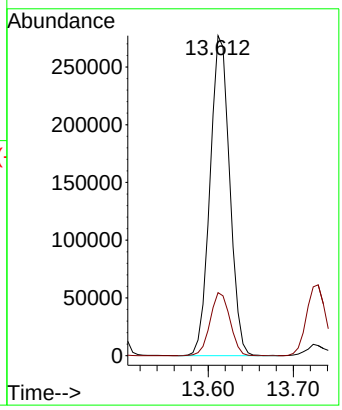


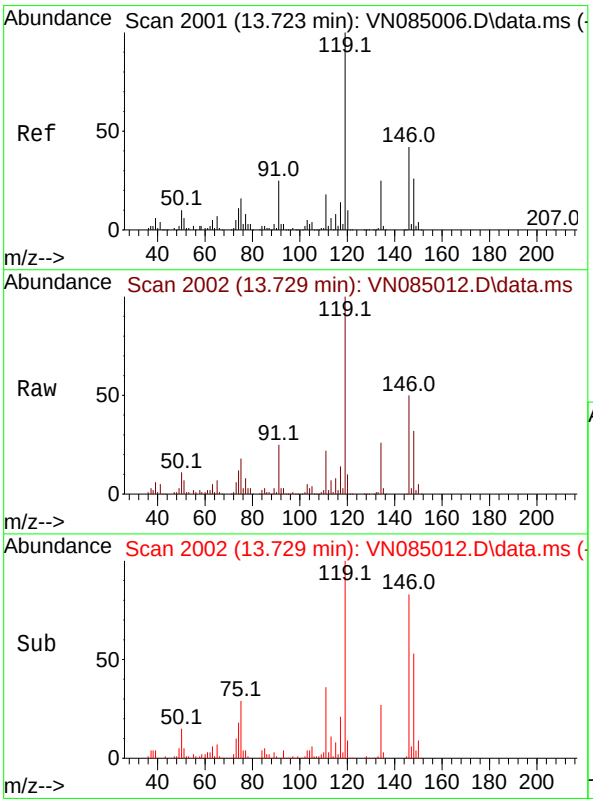
#85
sec-Butylbenzene
Concen: 50.166 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion:105 Resp: 444471

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.3

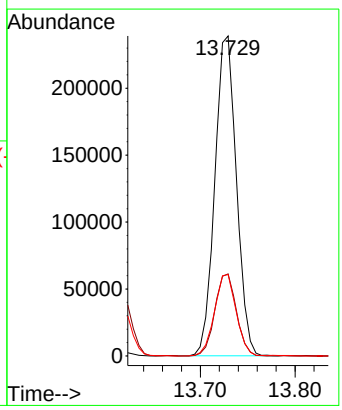


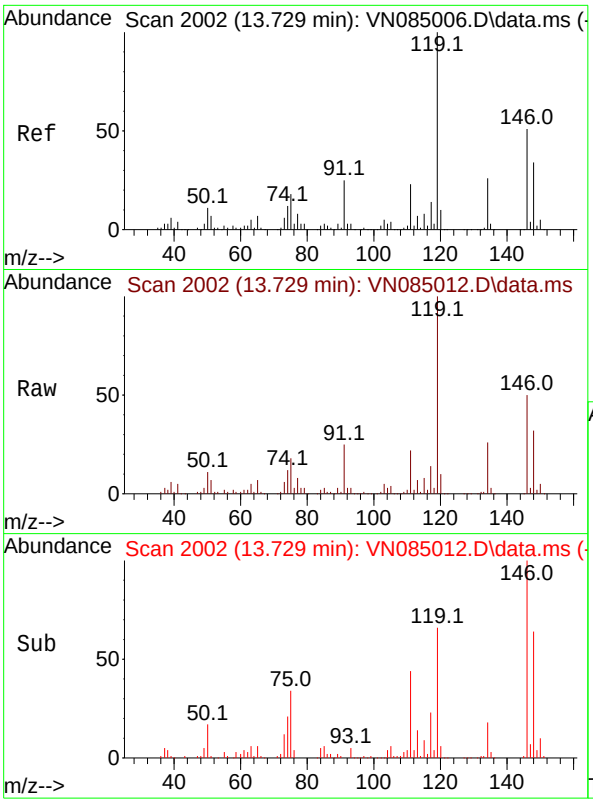


#86
p-Isopropyltoluene
Concen: 51.719 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:119 Resp: 378270

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	39.0
91	25.6	12.8	38.4



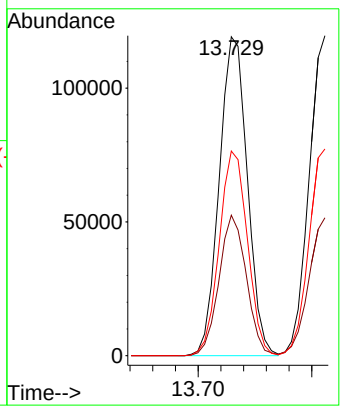


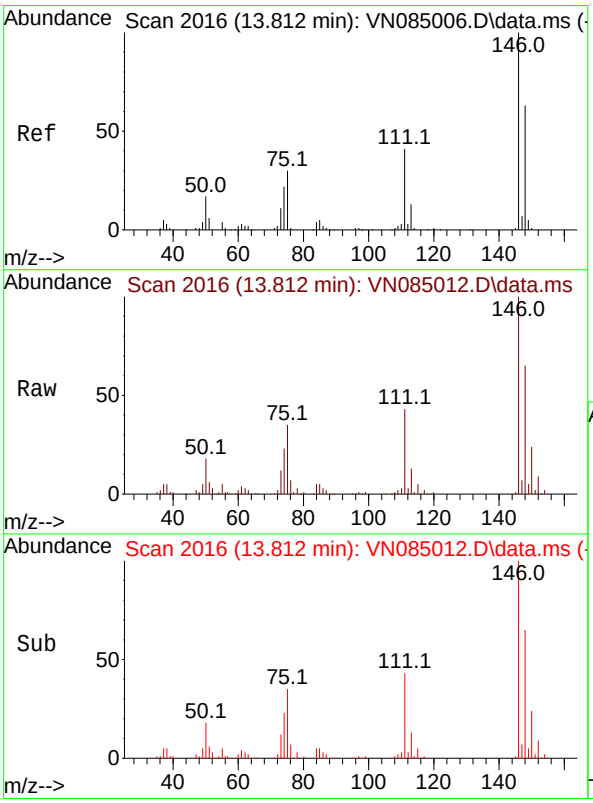
#87
1,3-Dichlorobenzene
Concen: 42.459 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion:146 Resp: 204731

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.6	65.0
148	64.4	32.2	96.6

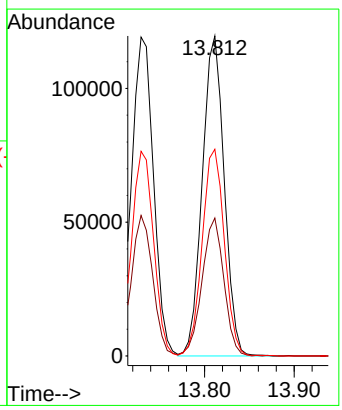


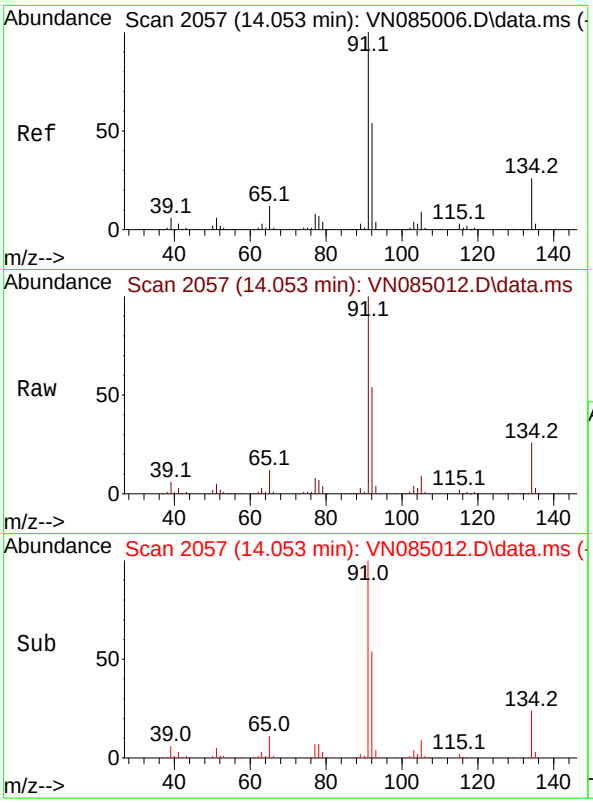


#88
1,4-Dichlorobenzene
Concen: 41.240 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:146 Resp: 202930

Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.9	62.8
148	65.1	31.3	93.9



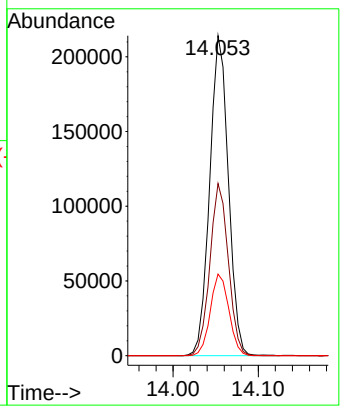


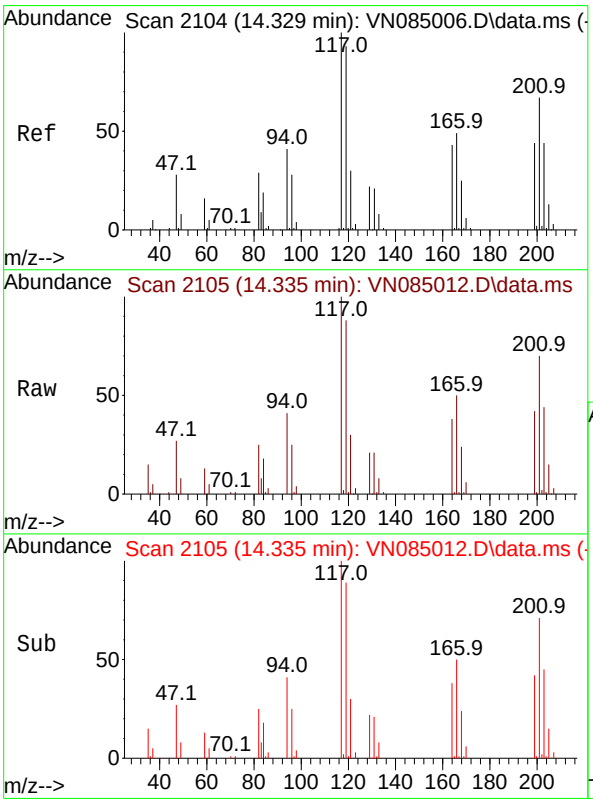
#89
n-Butylbenzene
Concen: 47.892 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 91 Resp: 325752

Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.8	80.3
134	25.4	12.8	38.4

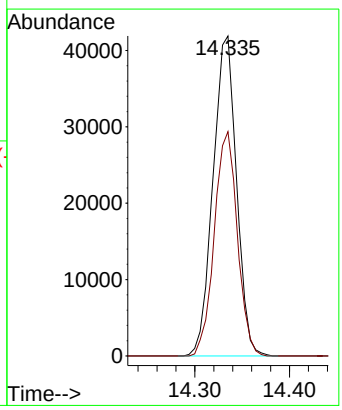


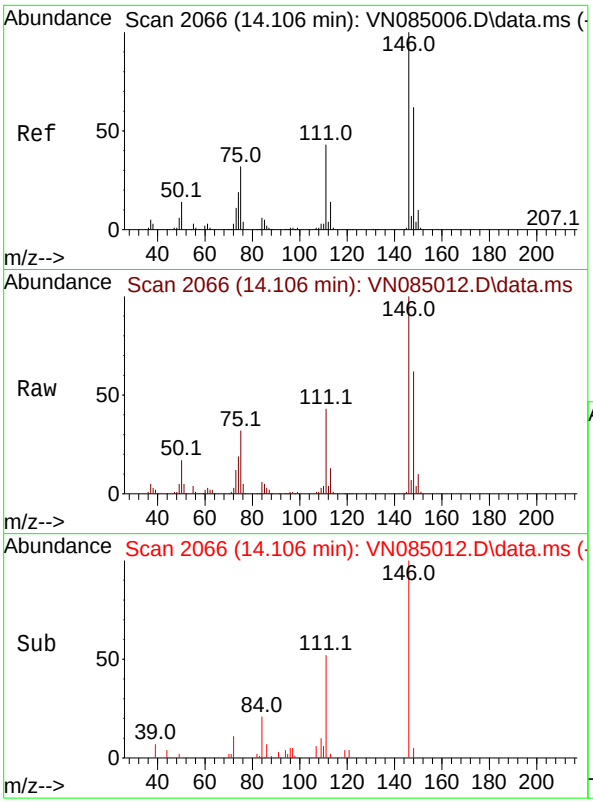


#90
Hexachloroethane
Concen: 45.332 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:117 Resp: 72271

Ion	Ratio	Lower	Upper
117	100		
201	68.7	35.2	105.6



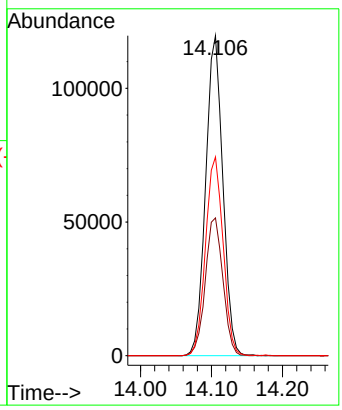


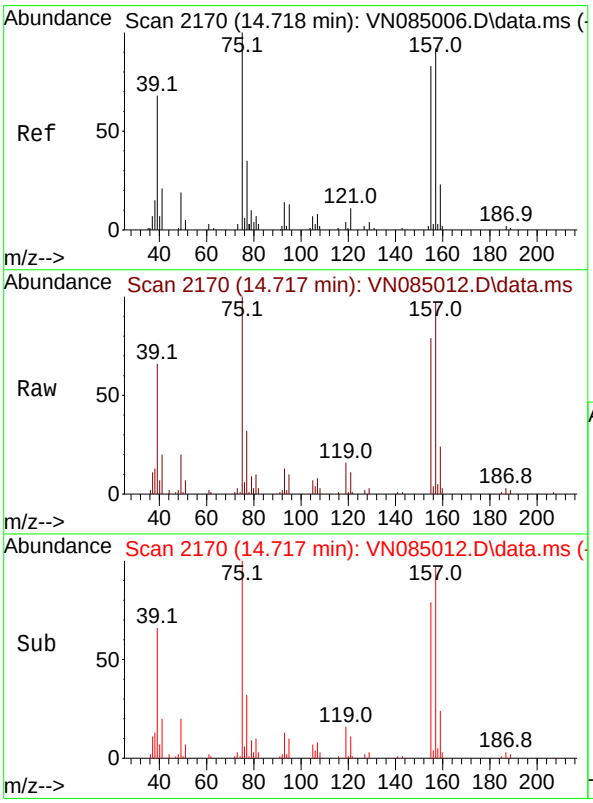
#91
1,2-Dichlorobenzene
Concen: 43.472 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion:146 Resp: 200864

Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.9	65.8
148	63.7	31.1	93.2

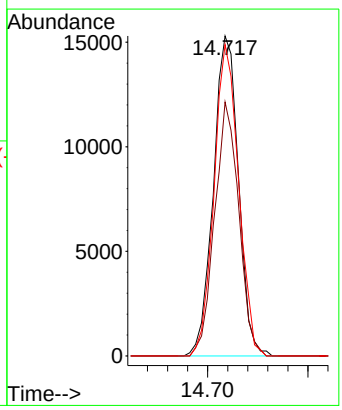


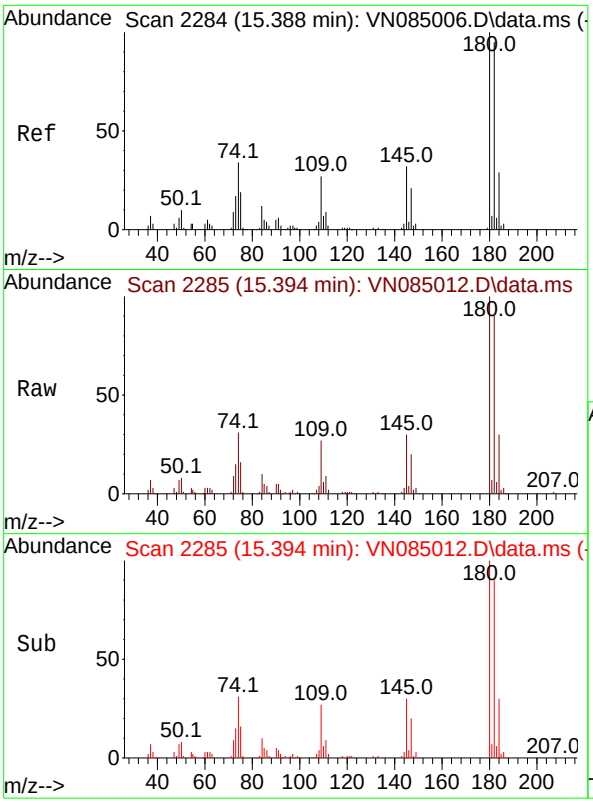


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.183 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 75 Resp: 26503

Ion	Ratio	Lower	Upper
75	100		
155	76.6	38.9	116.7
157	95.3	48.3	144.9



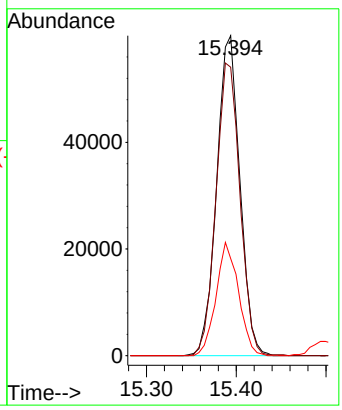


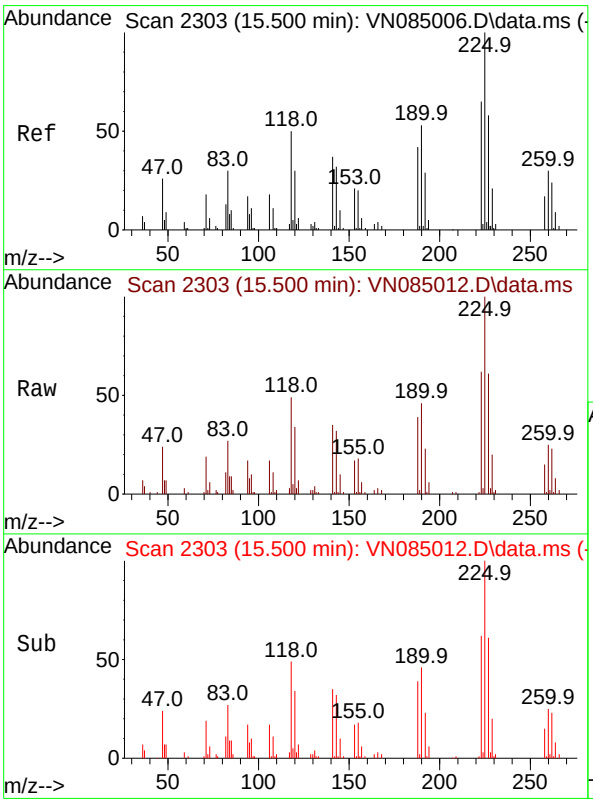
#93
1,2,4-Trichlorobenzene
Concen: 42.908 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion:180 Resp: 107707

Ion	Ratio	Lower	Upper
180	100		
182	94.4	46.9	140.8
145	34.3	16.3	48.8

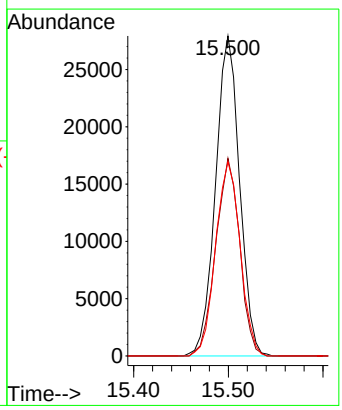


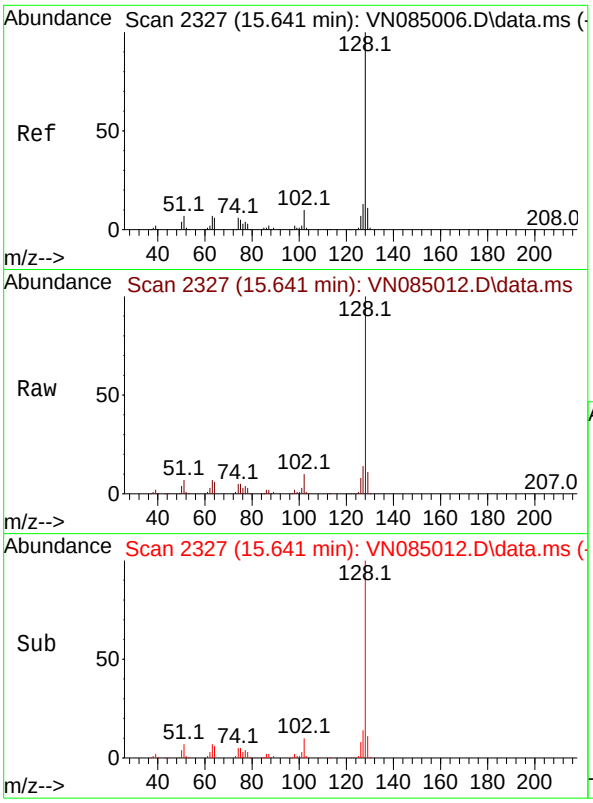


#94
Hexachlorobutadiene
Concen: 42.581 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:225 Resp: 49330

Ion	Ratio	Lower	Upper
225	100		
223	61.4	30.9	92.8
227	61.9	31.5	94.5



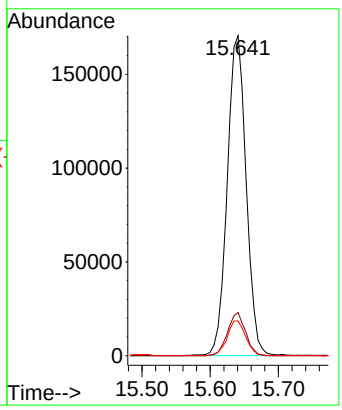


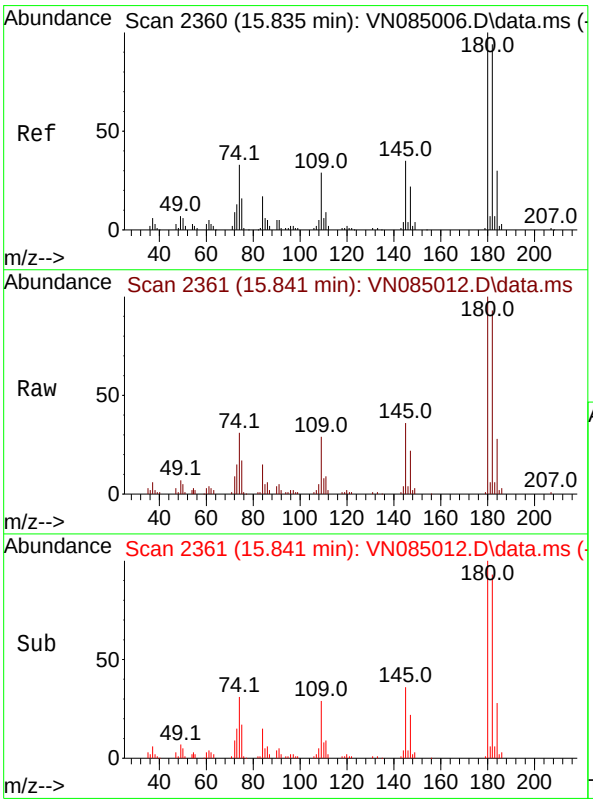
#95
Naphthalene
Concen: 46.067 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion:128 Resp: 329352

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.7	8.6	12.8

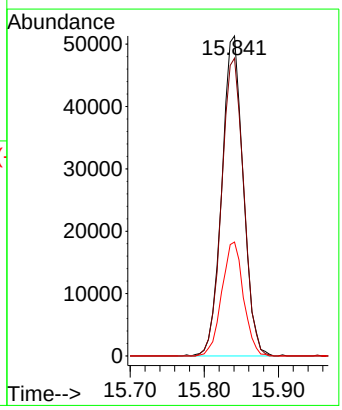




#96
1,2,3-Trichlorobenzene
Concen: 42.932 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:180 Resp: 102829

Ion	Ratio	Lower	Upper
180	100		
182	95.9	46.4	139.2
145	36.1	17.3	52.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085014.D
Acq On : 22 Nov 2024 18:05
Operator : JC\MD
Sample : VN1122WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Quant Time: Nov 23 03:23:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	185321	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	303227	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	265687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	132118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	126044	47.748	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.500%			
35) Dibromofluoromethane	8.159	113	98907	48.369	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.740%			
50) Toluene-d8	10.565	98	365634	49.893	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.780%			
62) 4-Bromofluorobenzene	12.847	95	137582	50.202	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	46364	22.125	ug/l	100
3) Chloromethane	2.359	50	49242	20.260	ug/l	94
4) Vinyl Chloride	2.512	62	47554	21.772	ug/l	99
5) Bromomethane	2.906	94	25524	20.849	ug/l	93
6) Chloroethane	3.083	64	30153	20.482	ug/l	95
7) Trichlorofluoromethane	3.477	101	82253	22.138	ug/l	95
8) Diethyl Ether	3.953	74	29003	22.934	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.359	101	47137	22.368	ug/l	98
10) Methyl Iodide	4.583	142	61826	22.164	ug/l	95
11) Tert butyl alcohol	5.524	59	37391	105.997	ug/l	97
12) 1,1-Dichloroethene	4.324	96	43856	22.296	ug/l	92
13) Acrolein	4.171	56	25492	108.300	ug/l	98
14) Allyl chloride	5.006	41	72929	21.993	ug/l	99
15) Acrylonitrile	5.712	53	112125	112.270	ug/l	99
16) Acetone	4.424	43	97740	127.133	ug/l	100
17) Carbon Disulfide	4.700	76	115482	19.891	ug/l	98
18) Methyl Acetate	5.018	43	57461	22.759	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	148177	23.056	ug/l	99
20) Methylene Chloride	5.259	84	50288	21.436	ug/l	98
21) trans-1,2-Dichloroethene	5.777	96	45570	22.015	ug/l	93
22) Diisopropyl ether	6.665	45	154166	23.100	ug/l	99
23) Vinyl Acetate	6.595	43	537133	116.663	ug/l	99
24) 1,1-Dichloroethane	6.565	63	88675	22.203	ug/l	99
25) 2-Butanone	7.477	43	150172	119.476	ug/l	98
26) 2,2-Dichloropropane	7.483	77	82980	22.251	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	55551	22.261	ug/l	99
28) Bromochloromethane	7.812	49	26201	17.379	ug/l	97
29) Tetrahydrofuran	7.836	42	91619	117.214	ug/l	99
30) Chloroform	7.959	83	92175	21.697	ug/l	98
31) Cyclohexane	8.253	56	77046	21.911	ug/l	90
32) 1,1,1-Trichloroethane	8.159	97	84738	22.073	ug/l	99
36) 1,1-Dichloropropene	8.365	75	62276	22.484	ug/l	100
37) Ethyl Acetate	7.553	43	58707	23.315	ug/l	99
38) Carbon Tetrachloride	8.359	117	73184	22.891	ug/l	97
39) Methylcyclohexane	9.594	83	68614	23.840	ug/l	97
40) Benzene	8.600	78	199910	22.820	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085014.D
Acq On : 22 Nov 2024 18:05
Operator : JC\MD
Sample : VN1122WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Quant Time: Nov 23 03:23:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	31809	22.816	ug/l		94
42) 1,2-Dichloroethane	8.665	62	68359	22.810	ug/l		99
43) Isopropyl Acetate	8.683	43	110881	21.200	ug/l		97
44) Trichloroethene	9.347	130	45534	22.366	ug/l		99
45) 1,2-Dichloropropane	9.618	63	48072	22.280	ug/l		93
46) Dibromomethane	9.706	93	33600	22.411	ug/l		98
47) Bromodichloromethane	9.883	83	72806	22.912	ug/l		93
48) Methyl methacrylate	9.677	41	47665	24.490	ug/l		96
49) 1,4-Dioxane	9.694	88	15379	455.638	ug/l	#	91
51) 4-Methyl-2-Pentanone	10.441	43	294939	123.459	ug/l		100
52) Toluene	10.624	92	121997	23.524	ug/l		99
53) t-1,3-Dichloropropene	10.830	75	72346	22.709	ug/l		98
54) cis-1,3-Dichloropropene	10.306	75	78468	23.218	ug/l		96
55) 1,1,2-Trichloroethane	11.012	97	46329	23.984	ug/l		98
56) Ethyl methacrylate	10.871	69	70594	25.010	ug/l		99
57) 1,3-Dichloropropane	11.159	76	78133	22.982	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	147192	106.307	ug/l		100
59) 2-Hexanone	11.194	43	224080	125.414	ug/l		100
60) Dibromochloromethane	11.359	129	54461	23.069	ug/l		97
61) 1,2-Dibromoethane	11.465	107	46584	23.302	ug/l		96
64) Tetrachloroethene	11.100	164	39229	21.912	ug/l		96
65) Chlorobenzene	11.888	112	128475	21.322	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	47122	22.212	ug/l		99
67) Ethyl Benzene	11.959	91	221527	22.661	ug/l		99
68) m/p-Xylenes	12.071	106	171105	45.974	ug/l		99
69) o-Xylene	12.394	106	82572	23.324	ug/l		100
70) Styrene	12.412	104	140988	23.947	ug/l		98
71) Bromoform	12.576	173	35645	22.635	ug/l	#	97
73) Isopropylbenzene	12.694	105	211166	22.656	ug/l		99
74) N-amyl acetate	12.494	43	86413	22.499	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	67742	21.284	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	85991	35.783	ug/l		46
77) Bromobenzene	12.982	156	51251	20.433	ug/l		96
78) n-propylbenzene	13.035	91	241081	22.425	ug/l		99
79) 2-Chlorotoluene	13.123	91	155771	21.706	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	177473	22.692	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	23051	21.175	ug/l		93
82) 4-Chlorotoluene	13.218	91	158323	21.193	ug/l		99
83) tert-Butylbenzene	13.435	119	149265	22.181	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	185826	23.082	ug/l		98
85) sec-Butylbenzene	13.612	105	208641	22.952	ug/l		99
86) p-Isopropyltoluene	13.729	119	175205	23.348	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	97891	19.787	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	97493	19.311	ug/l		99
89) n-Butylbenzene	14.053	91	148417	21.267	ug/l		98
90) Hexachloroethane	14.329	117	33677	20.589	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	95083	20.057	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	13061	21.222	ug/l		99
93) 1,2,4-Trichlorobenzene	15.388	180	48028	18.648	ug/l		95
94) Hexachlorobutadiene	15.500	225	23471	19.747	ug/l		98
95) Naphthalene	15.641	128	147280	20.078	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	48372	19.684	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085014.D
Acq On : 22 Nov 2024 18:05
Operator : JC\MD
Sample : VN1122WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Quant Time: Nov 23 03:23:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

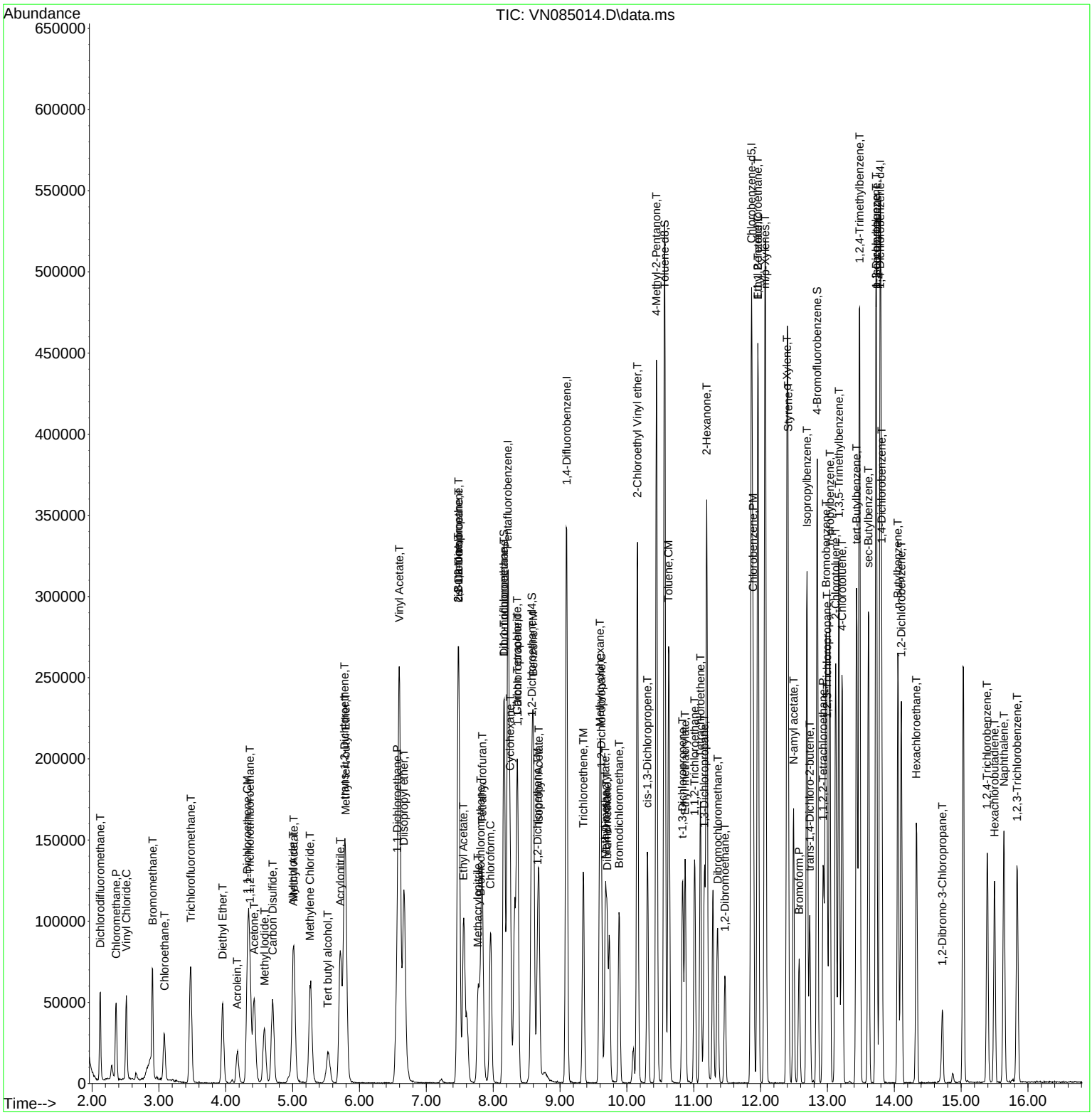
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

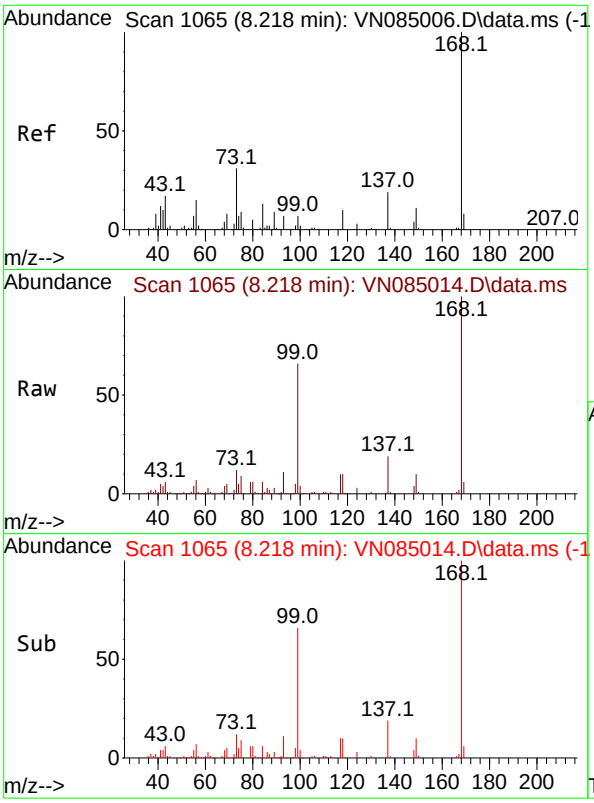
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085014.D
Acq On : 22 Nov 2024 18:05
Operator : JC\MD
Sample : VN1122WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Quant Time: Nov 23 03:23:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



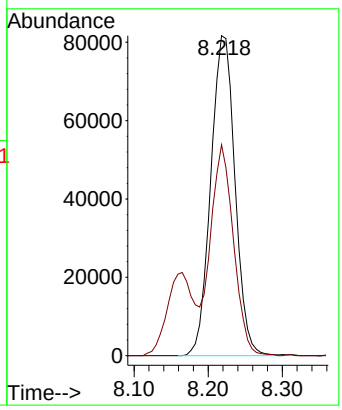


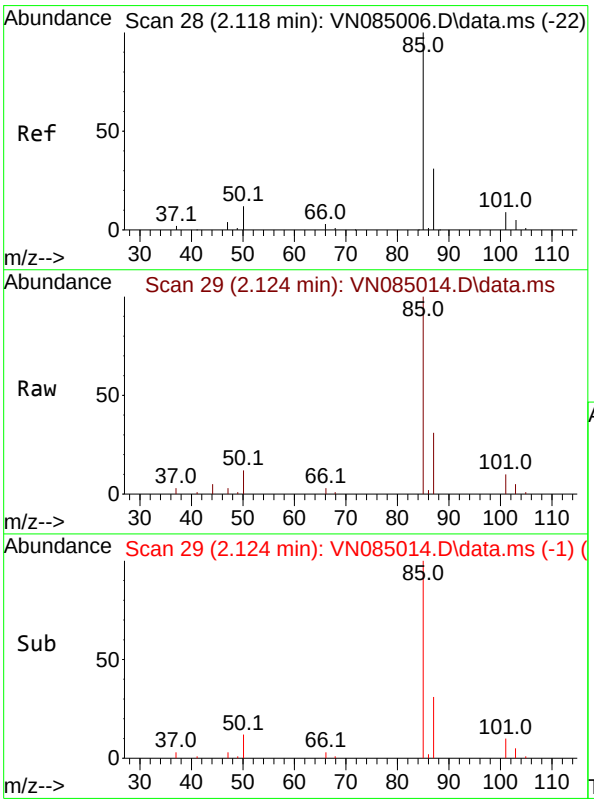
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion:168 Resp: 185321

Ion	Ratio	Lower	Upper
168	100		
99	65.9	51.2	76.8

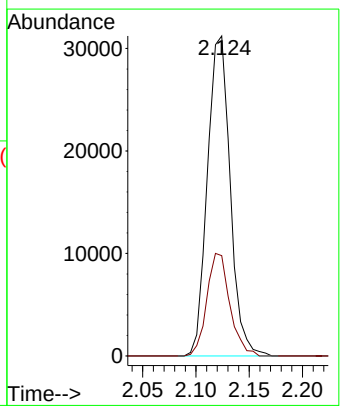


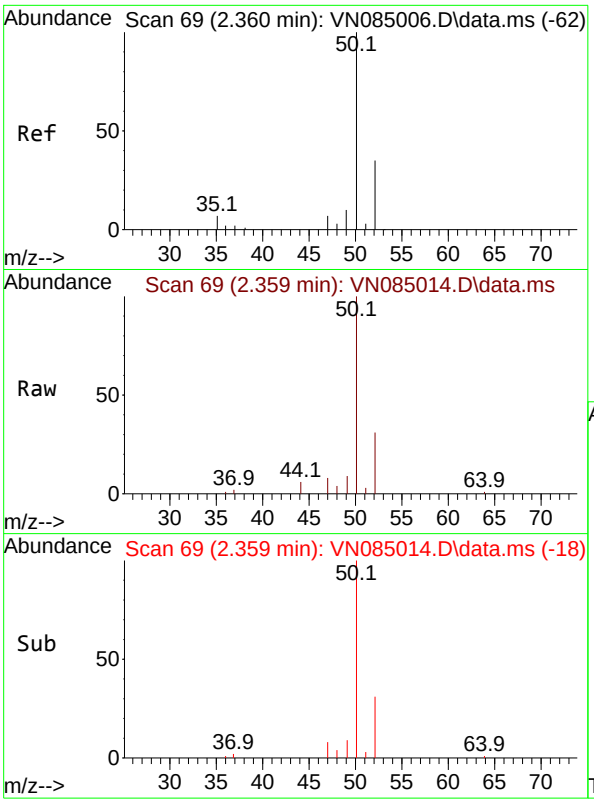


#2
Dichlorodifluoromethane
Concen: 22.125 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 85 Resp: 46364

Ion	Ratio	Lower	Upper
85	100		
87	31.3	15.7	47.1



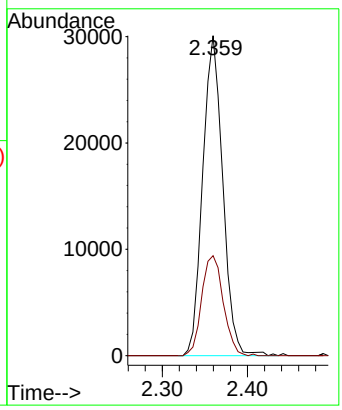


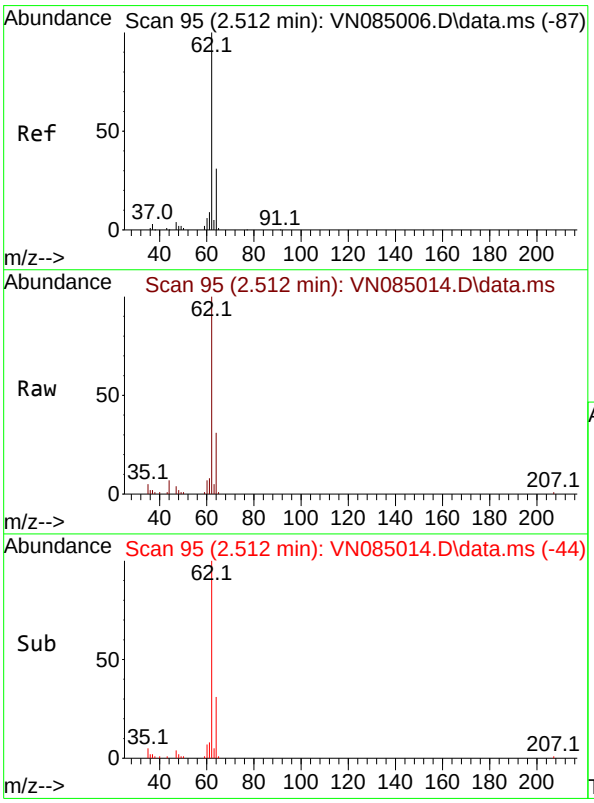
#3
Chloromethane
Concen: 20.260 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion: 50 Resp: 49242

Ion	Ratio	Lower	Upper
50	100		
52	31.3	27.8	41.8

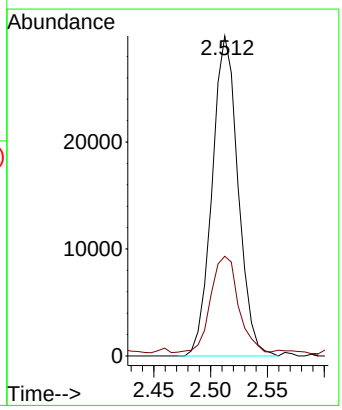


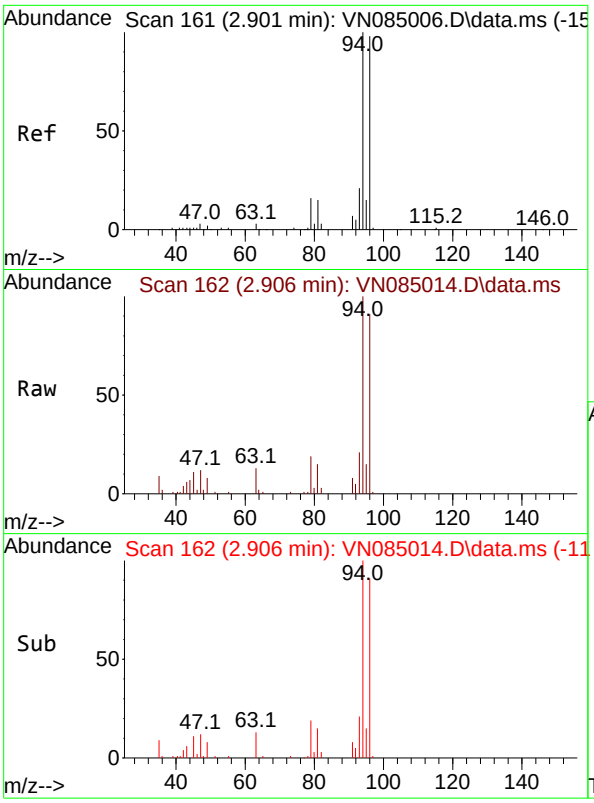


#4
Vinyl Chloride
Concen: 21.772 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 62 Resp: 47554

Ion	Ratio	Lower	Upper
62	100		
64	30.0	24.6	36.8



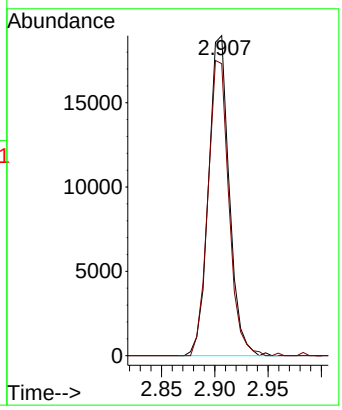


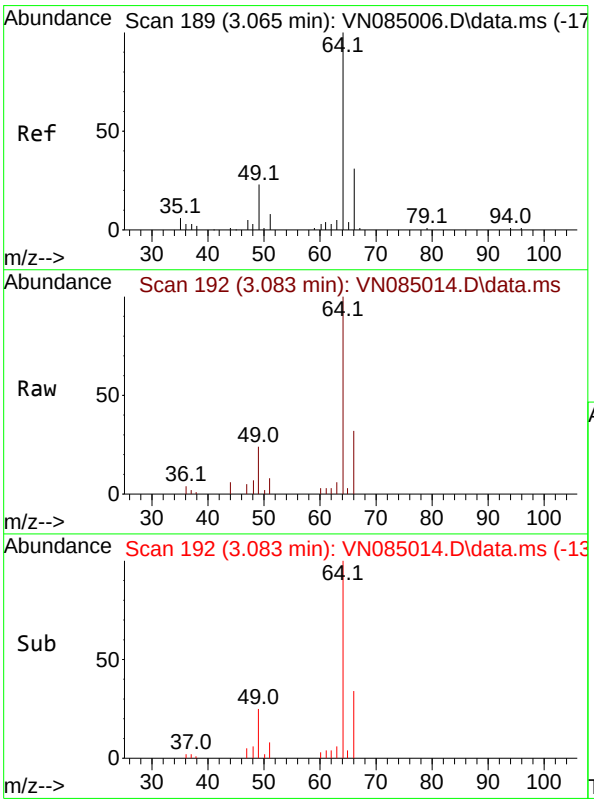
#5
Bromomethane
Concen: 20.849 ug/l
RT: 2.906 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion: 94 Resp: 25524

Ion	Ratio	Lower	Upper
94	100		
96	91.2	78.7	118.1

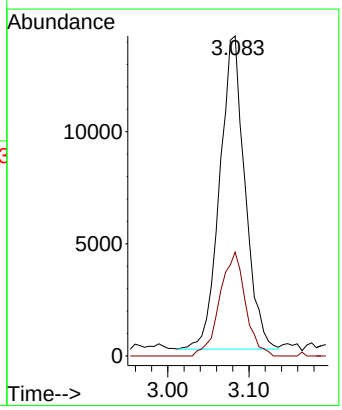


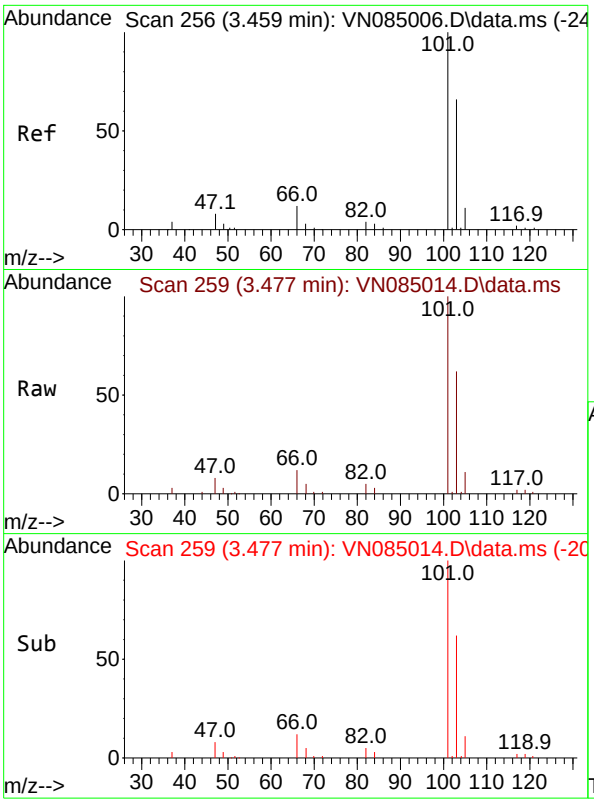


#6
Chloroethane
Concen: 20.482 ug/l
RT: 3.083 min Scan# 192
Delta R.T. 0.018 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 64 Resp: 30153

Ion	Ratio	Lower	Upper
64	100		
66	33.1	24.4	36.6



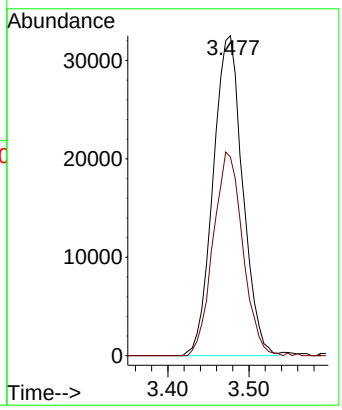


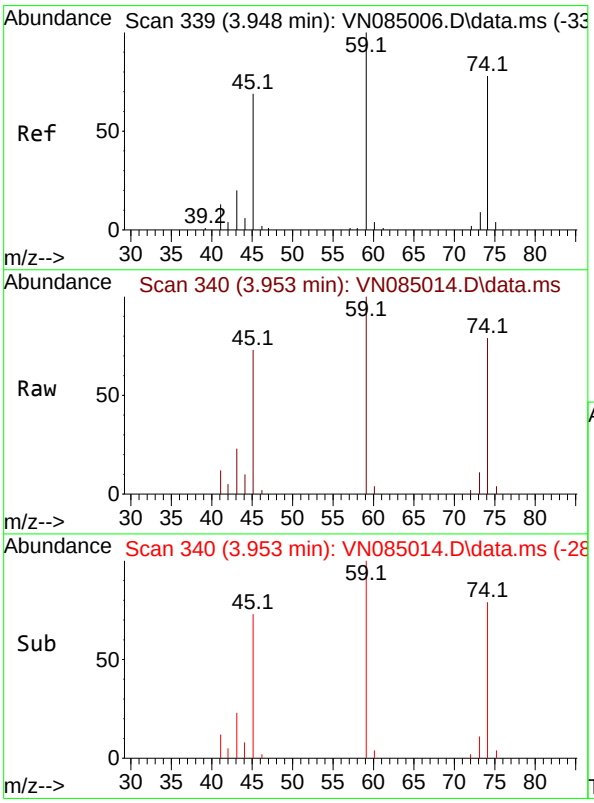
#7
Trichlorofluoromethane
Concen: 22.138 ug/l
RT: 3.477 min Scan# 2
Delta R.T. 0.018 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion:101 Resp: 82253

Ion	Ratio	Lower	Upper
101	100		
103	62.0	52.6	78.8

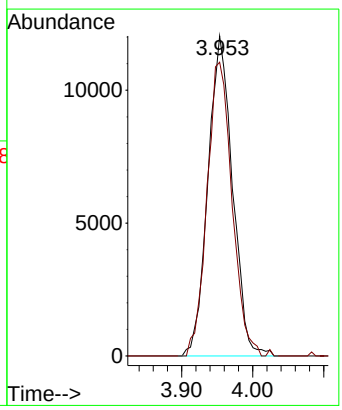


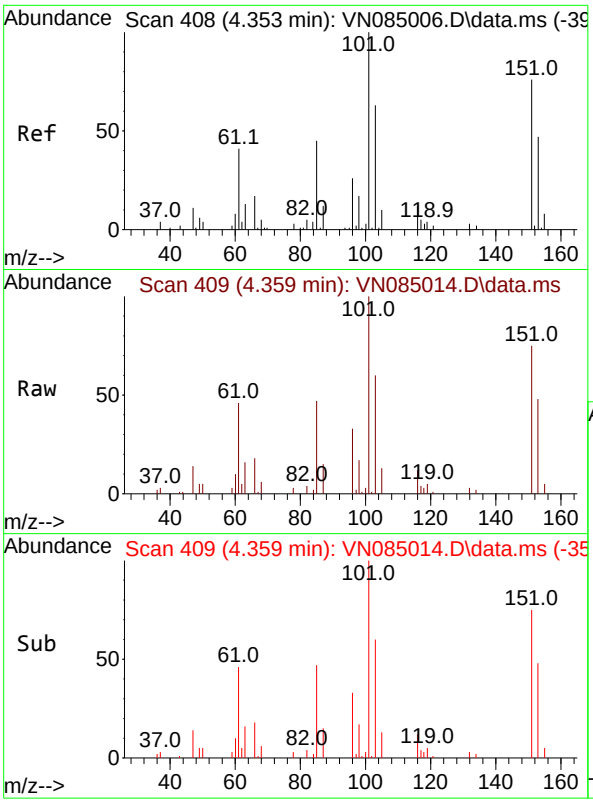


#8
Diethyl Ether
Concen: 22.934 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 74 Resp: 29003

Ion	Ratio	Lower	Upper
74	100		
45	93.4	46.7	140.1



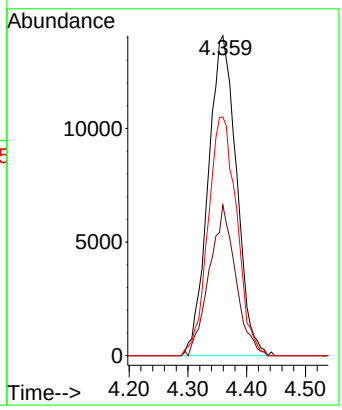


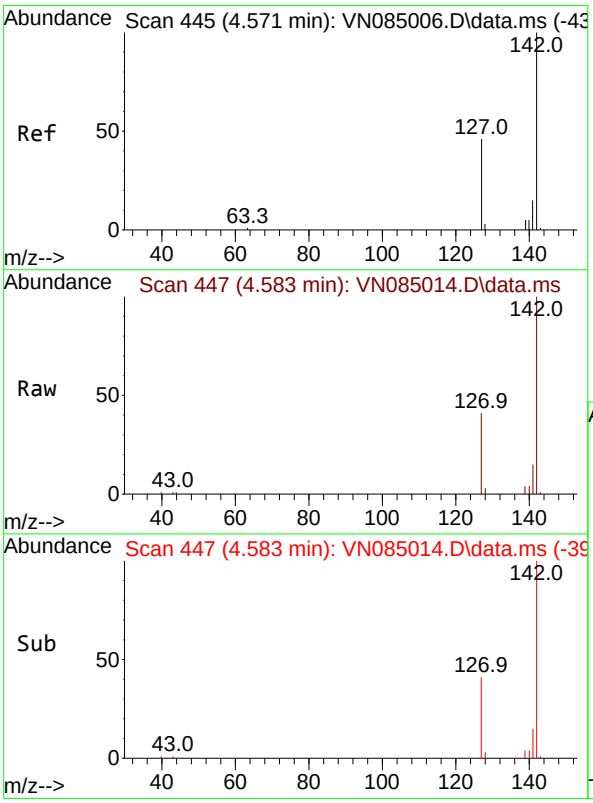
#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.368 ug/l
RT: 4.359 min Scan# 4(
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion:101 Resp: 47137

Ion	Ratio	Lower	Upper
101	100		
85	43.7	36.9	55.3
151	75.6	60.8	91.2

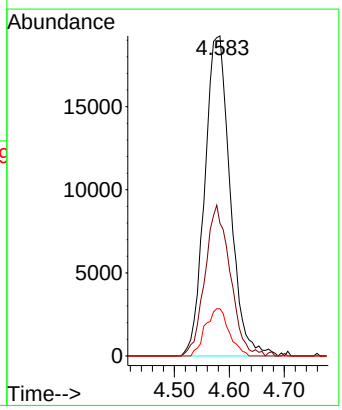


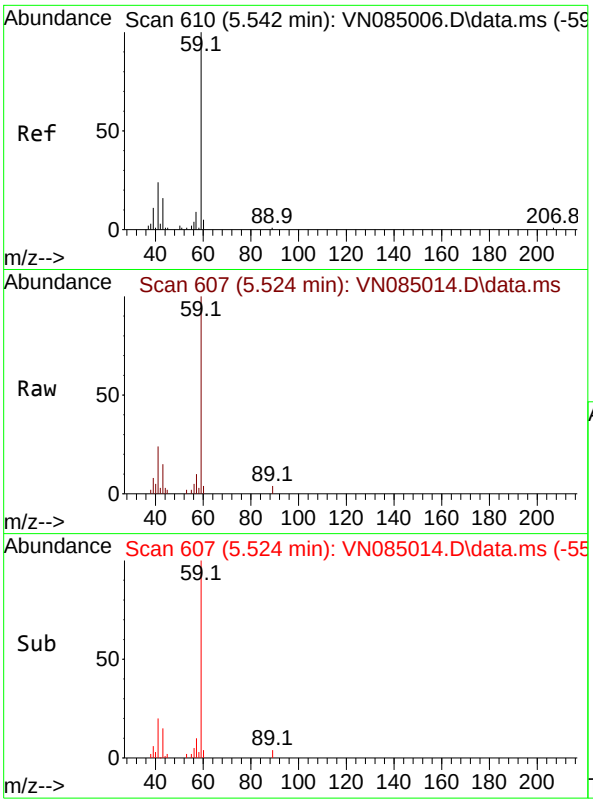


#10
Methyl Iodide
Concen: 22.164 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.012 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:142 Resp: 61826

Ion	Ratio	Lower	Upper
142	100		
127	41.4	36.6	54.8
141	14.7	12.2	18.4



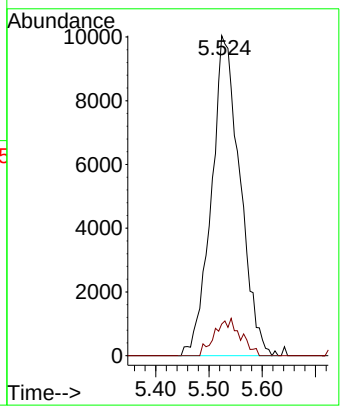


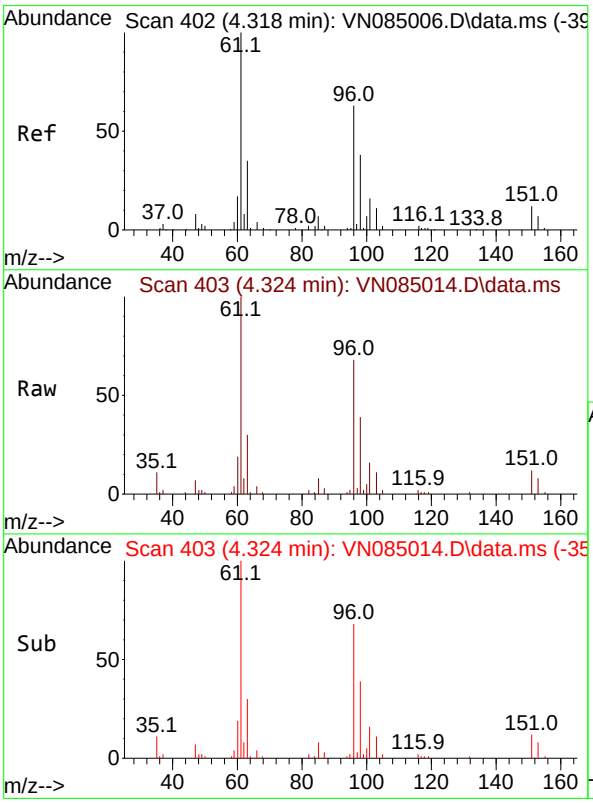
#11
Tert butyl alcohol
Concen: 105.997 ug/l
RT: 5.524 min Scan# 6
Delta R.T. -0.018 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion: 59 Resp: 37391

Ion	Ratio	Lower	Upper
59	100		
57	10.5	7.4	11.0

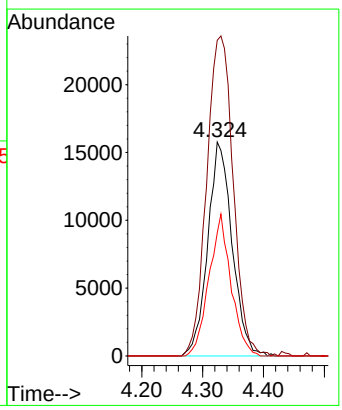


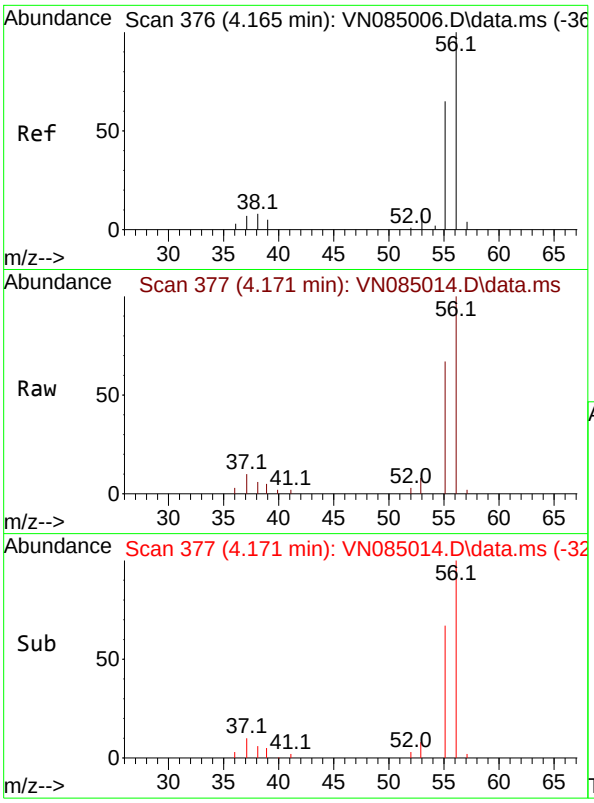


#12
1,1-Dichloroethene
Concen: 22.296 ug/l
RT: 4.324 min Scan# 403
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 96 Resp: 43856

Ion	Ratio	Lower	Upper
96	100		
61	147.6	127.8	191.8
98	57.5	49.2	73.8



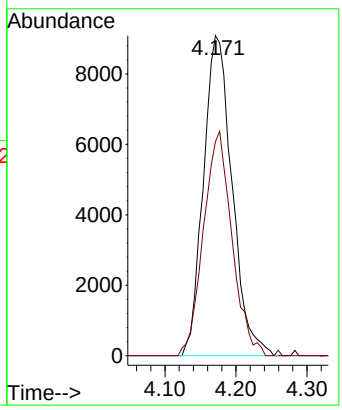


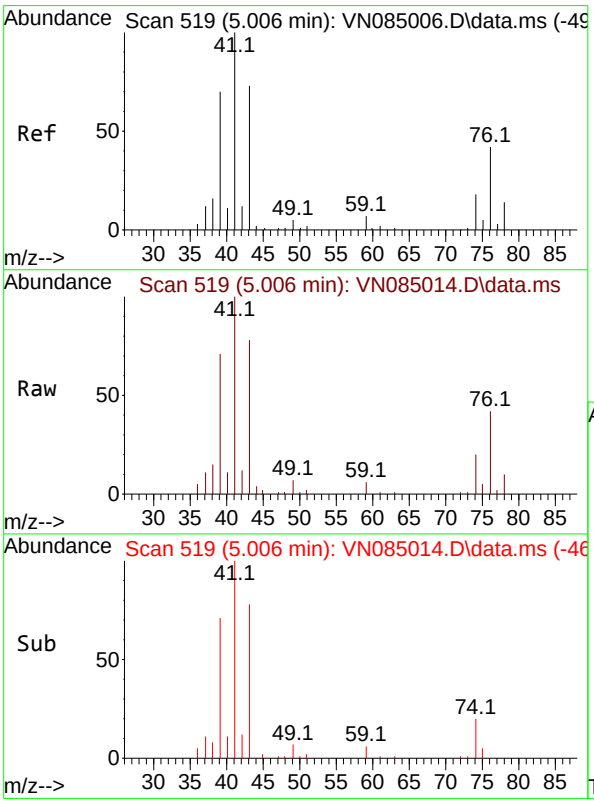
#13
Acrolein
Concen: 108.300 ug/l
RT: 4.171 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion: 56 Resp: 25492

Ion	Ratio	Lower	Upper
56	100		
55	69.6	54.5	81.7

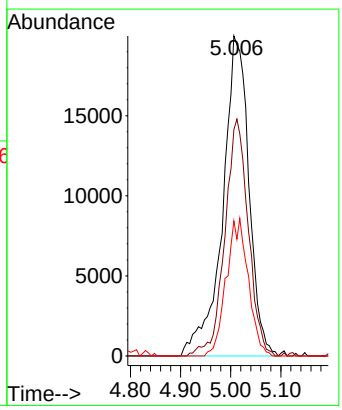


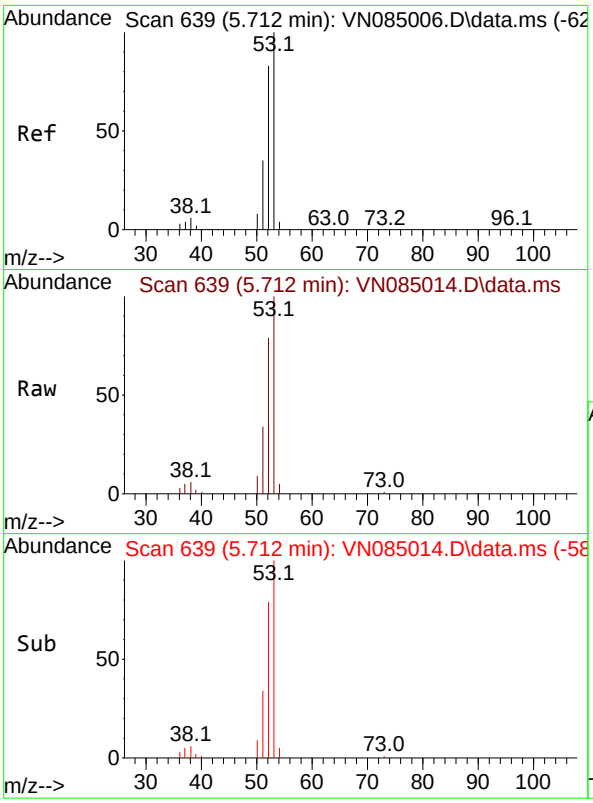


#14
Allyl chloride
Concen: 21.993 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 41 Resp: 72929

Ion	Ratio	Lower	Upper
41	100		
39	65.9	53.8	80.8
76	36.1	29.3	43.9



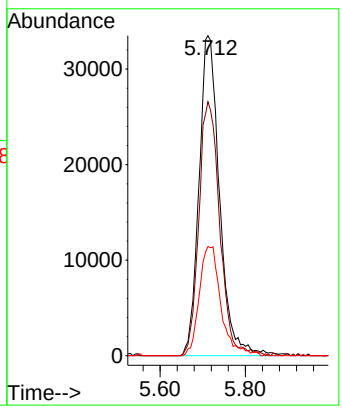


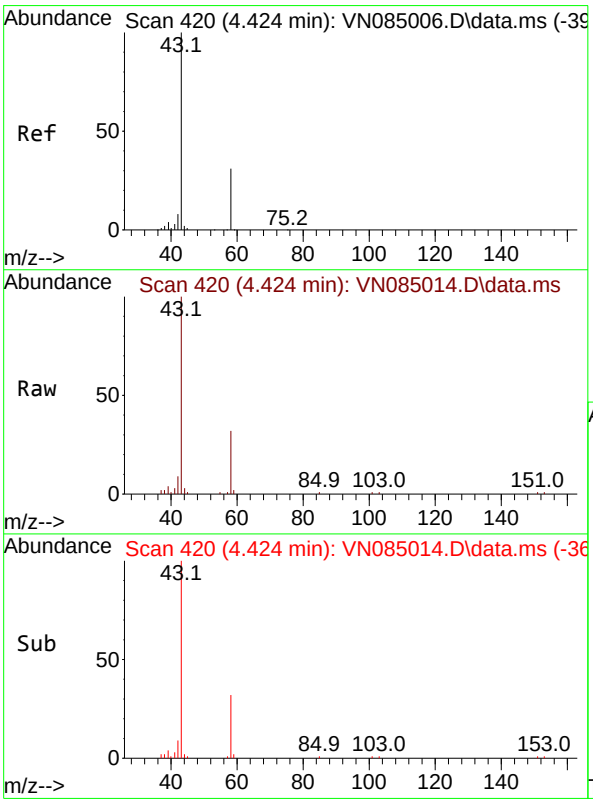
#15
Acrylonitrile
Concen: 112.270 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion: 53 Resp: 112125

Ion	Ratio	Lower	Upper
53	100		
52	80.5	65.5	98.3
51	36.0	28.4	42.6

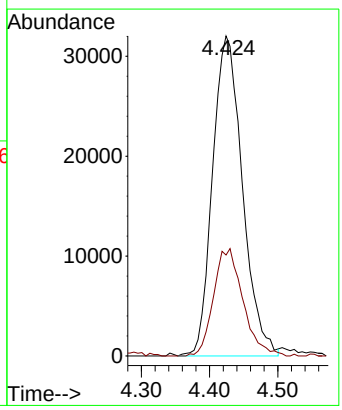


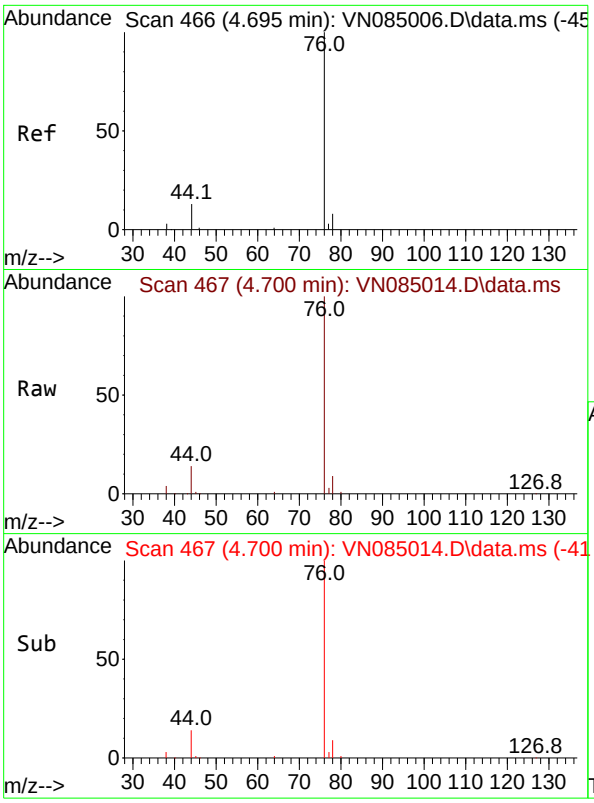


#16
Acetone
Concen: 127.133 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 43 Resp: 97740

Ion	Ratio	Lower	Upper
43	100		
58	31.6	25.4	38.2



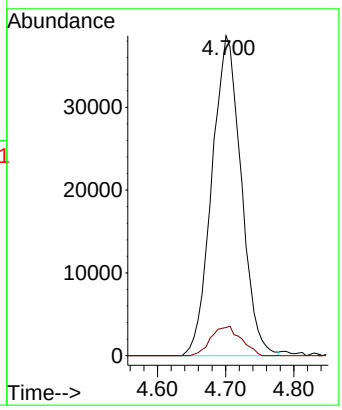


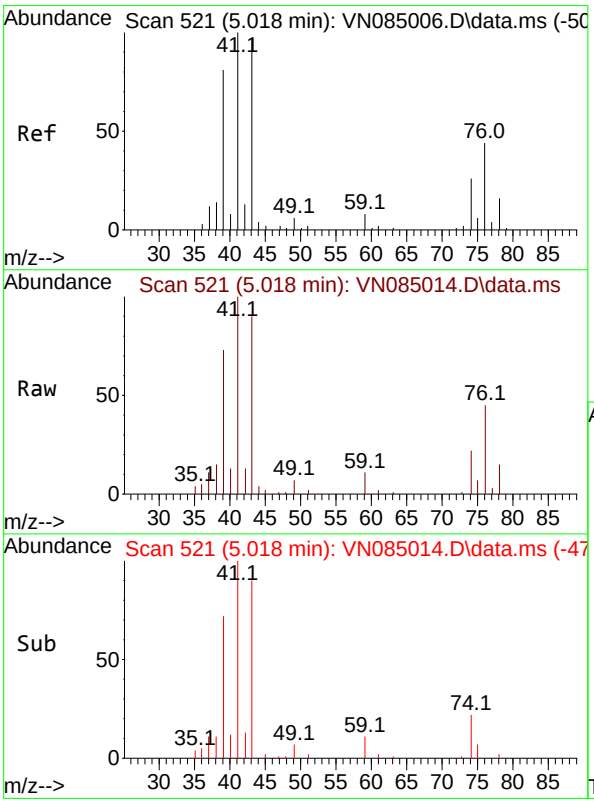
#17
Carbon Disulfide
Concen: 19.891 ug/l
RT: 4.700 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion: 76 Resp: 115482

Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.5	9.7

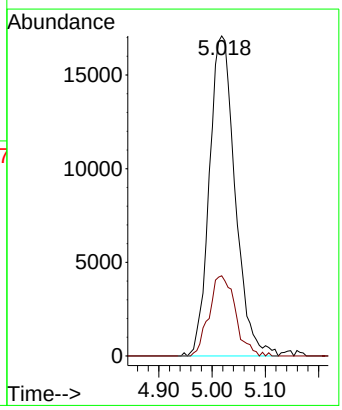


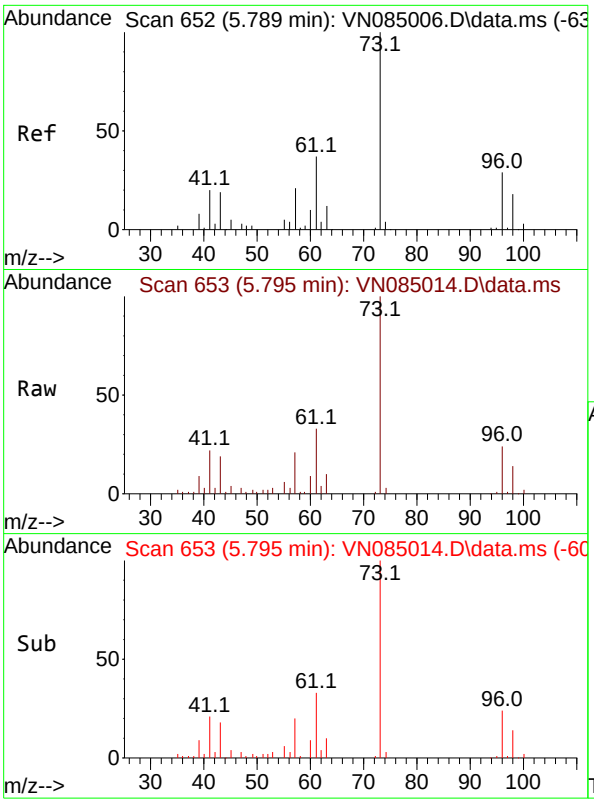


#18
Methyl Acetate
Concen: 22.759 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 43 Resp: 57461

Ion	Ratio	Lower	Upper
43	100		
74	25.3	20.1	30.1



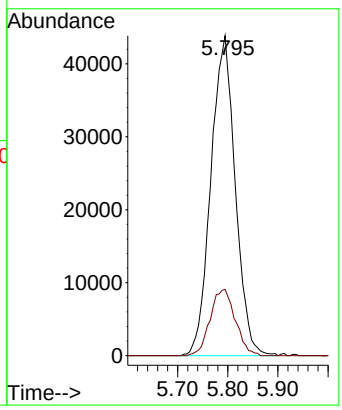


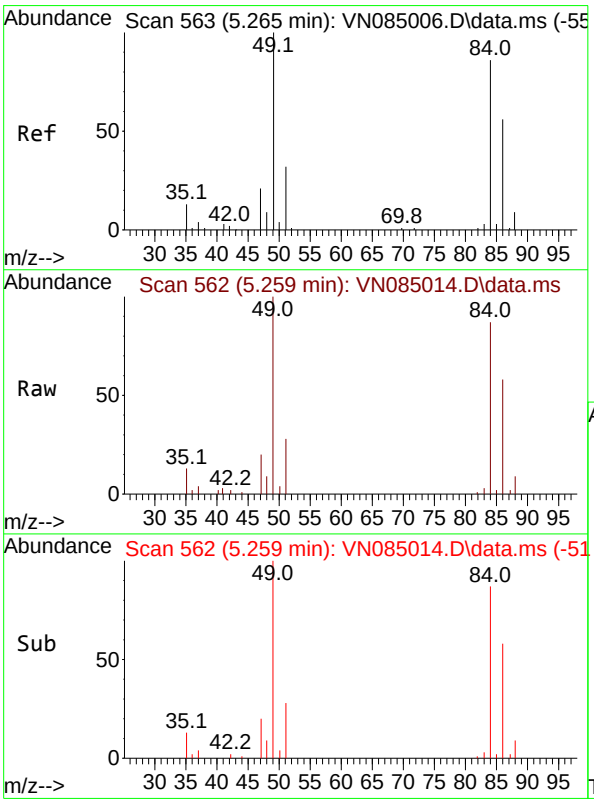
#19
Methyl tert-butyl Ether
Concen: 23.056 ug/l
RT: 5.795 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion: 73 Resp: 148177

Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.0	25.4

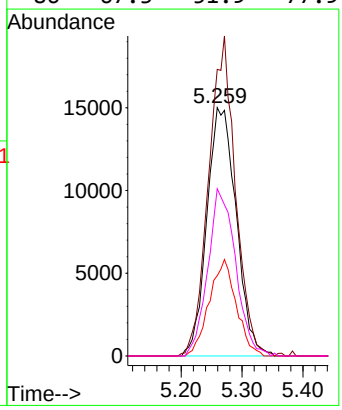


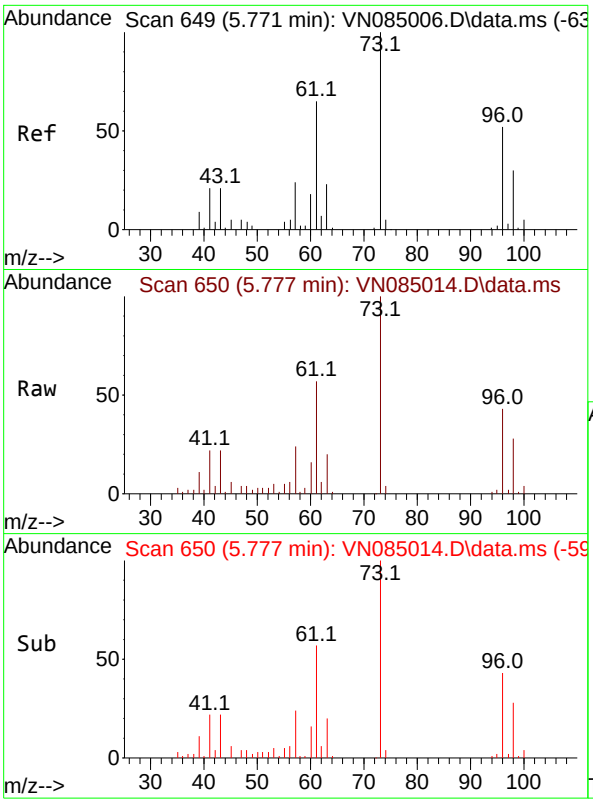


#20
Methylene Chloride
Concen: 21.436 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 84 Resp: 50288

Ion	Ratio	Lower	Upper
84	100		
49	115.4	92.7	139.1
51	32.3	29.4	44.2
86	67.3	51.9	77.9



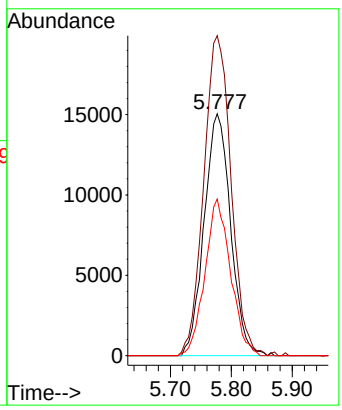


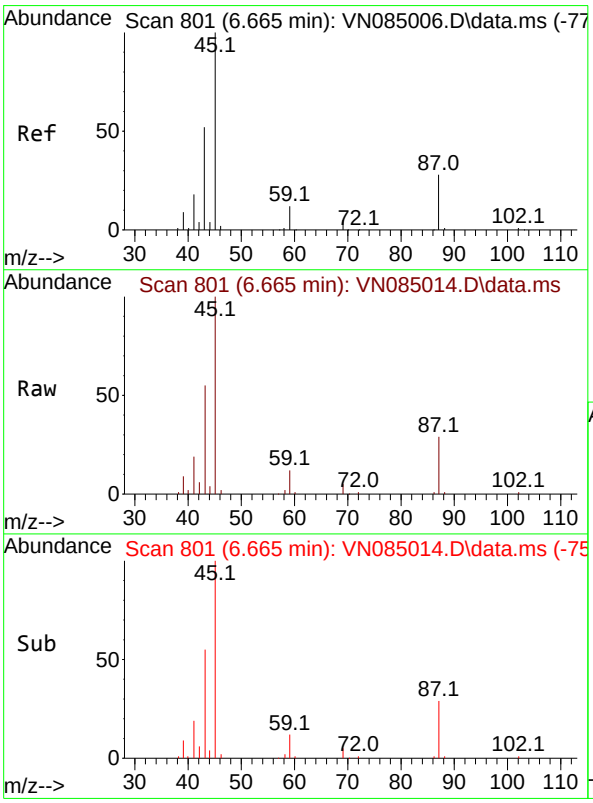
#21
trans-1,2-Dichloroethene
Concen: 22.015 ug/l
RT: 5.777 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion: 96 Resp: 45570

Ion	Ratio	Lower	Upper
96	100		
61	132.2	100.7	151.1
98	64.8	45.8	68.6

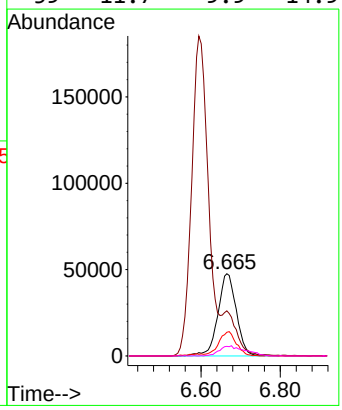


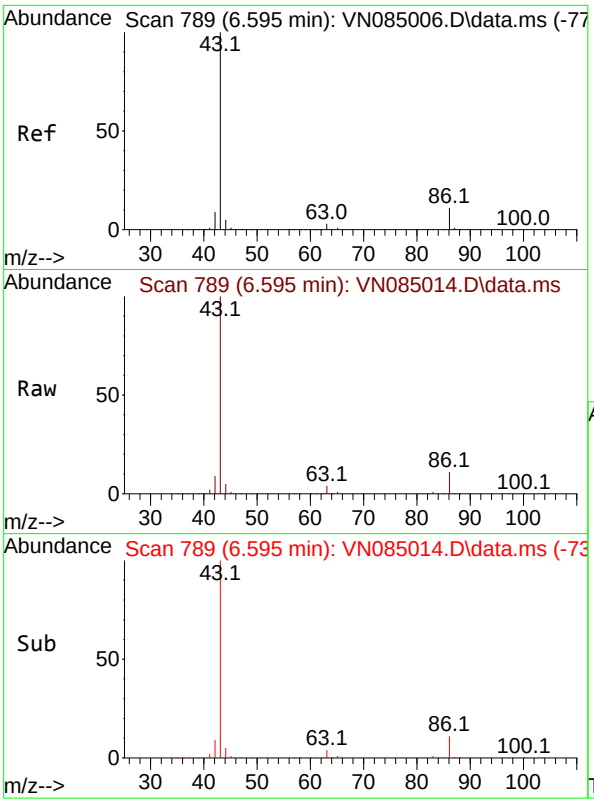


#22
Diisopropyl ether
Concen: 23.100 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 45 Resp: 154166

Ion	Ratio	Lower	Upper
45	100		
43	53.9	42.7	64.1
87	28.9	22.6	34.0
59	11.7	9.9	14.9



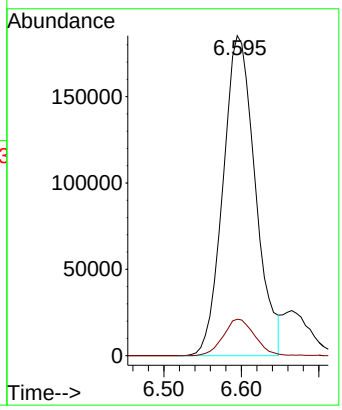


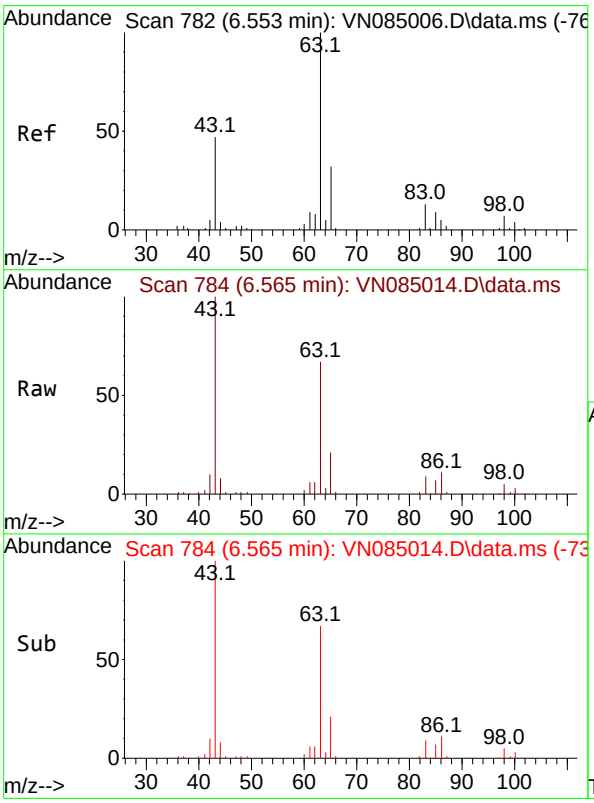
#23
Vinyl Acetate
Concen: 116.663 ug/l
RT: 6.595 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion: 43 Resp: 537133

Ion	Ratio	Lower	Upper
43	100		
86	11.4	8.9	13.3

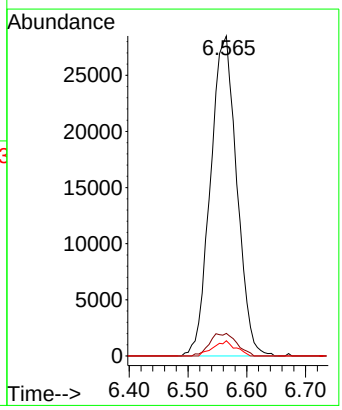


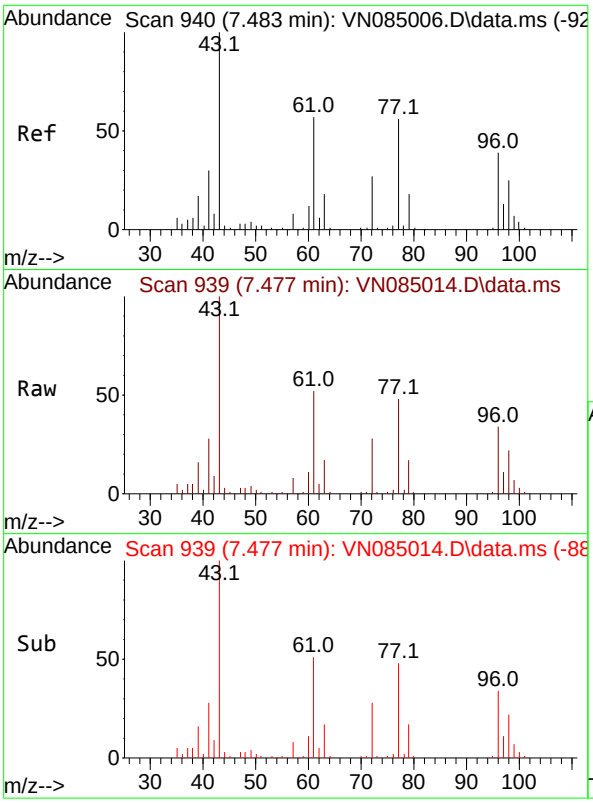


#24
1,1-Dichloroethane
Concen: 22.203 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.012 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 63 Resp: 88675

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.3	9.8
100	4.8	2.2	6.6



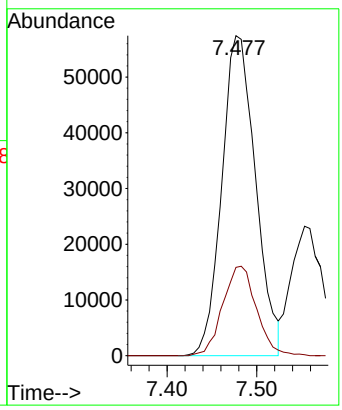


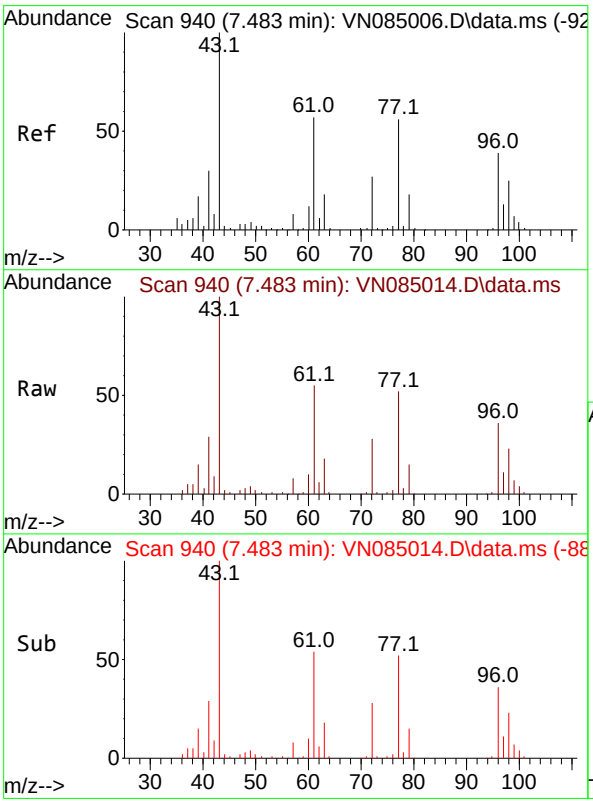
#25
2-Butanone
Concen: 119.476 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion: 43 Resp: 150172

Ion	Ratio	Lower	Upper
43	100		
72	27.6	21.4	32.0

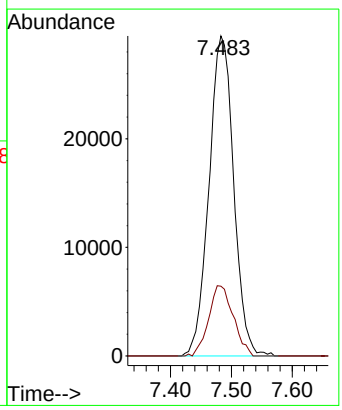


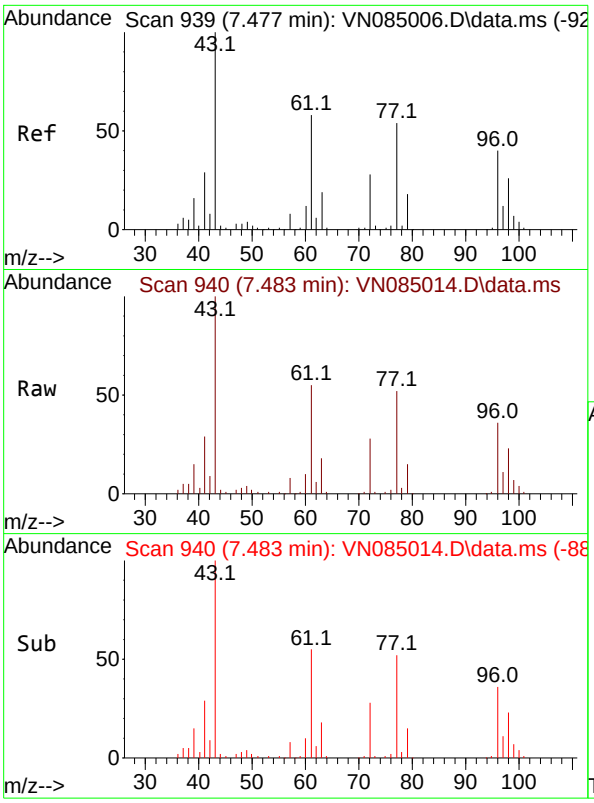


#26
2,2-Dichloropropane
Concen: 22.251 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 77 Resp: 82980

Ion	Ratio	Lower	Upper
77	100		
97	21.9	10.9	32.7



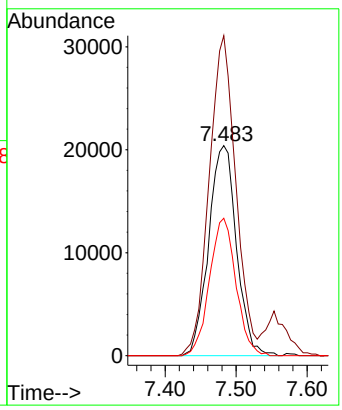


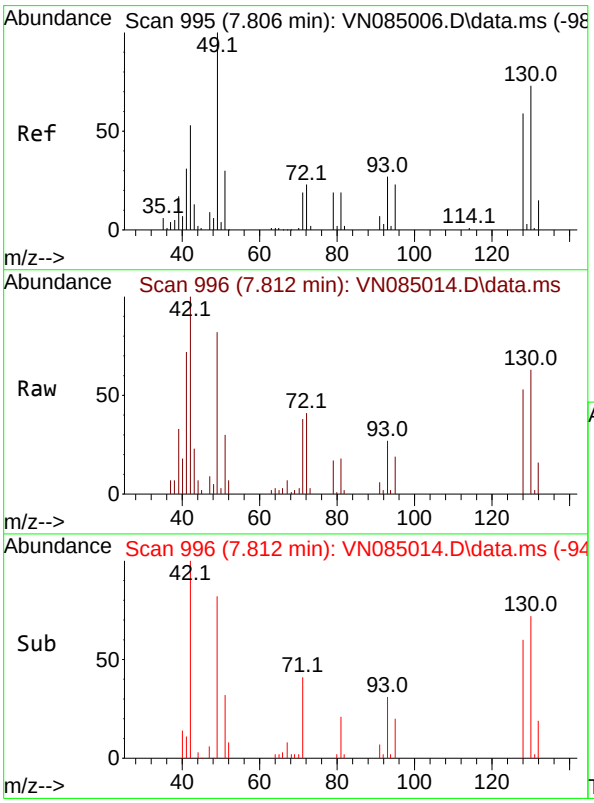
#27
cis-1,2-Dichloroethene
Concen: 22.261 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion: 96 Resp: 55551

Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	291.6
98	62.0	0.0	129.8

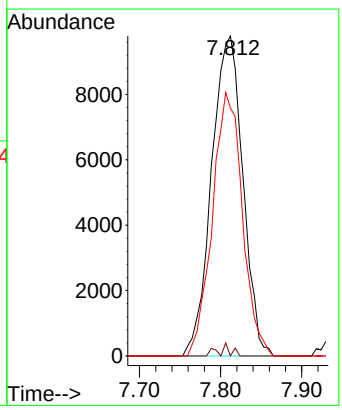


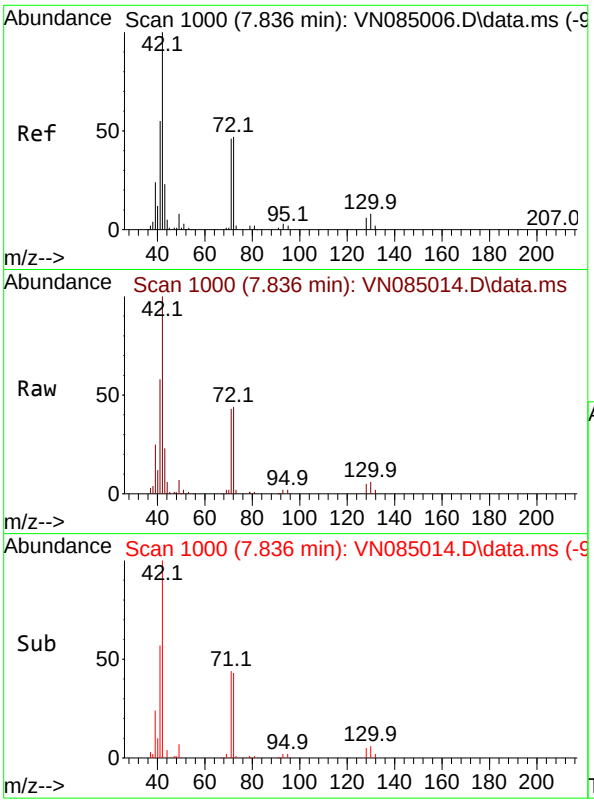


#28
Bromochloromethane
Concen: 17.379 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 49 Resp: 26201

Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	4.0
130	78.7	60.6	90.8



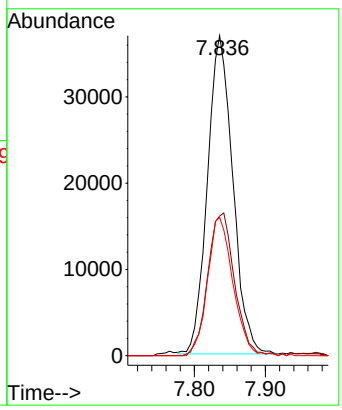


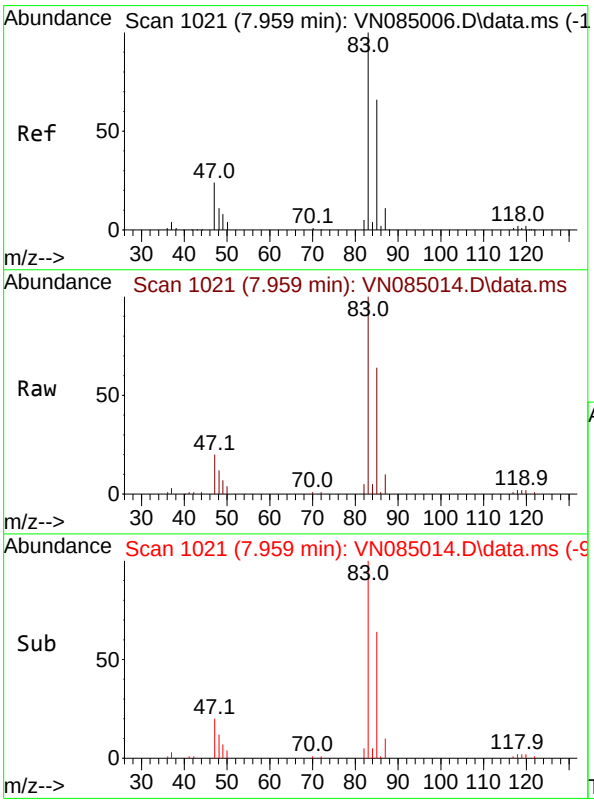
#29
Tetrahydrofuran
Concen: 117.214 ug/l
RT: 7.836 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion: 42 Resp: 91619

Ion	Ratio	Lower	Upper
42	100		
72	47.3	37.0	55.4
71	43.5	35.0	52.4

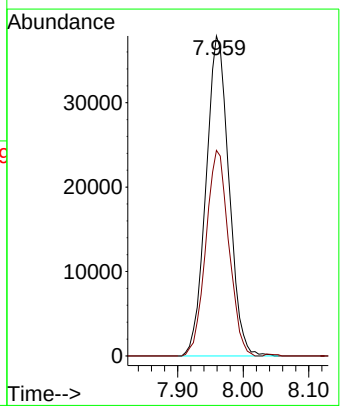


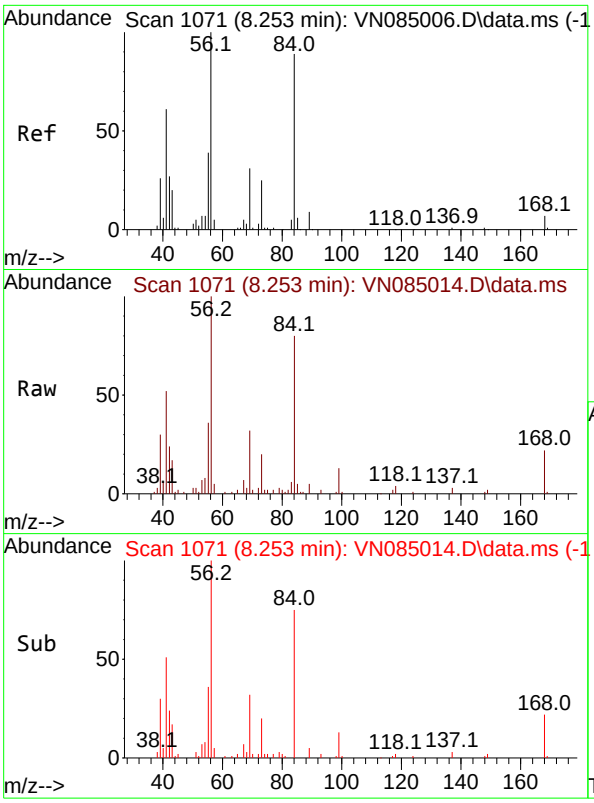


#30
Chloroform
Concen: 21.697 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 83 Resp: 92175

Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.6	78.8



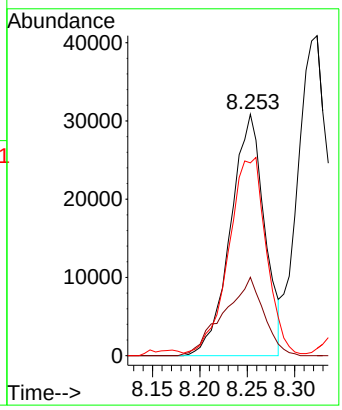


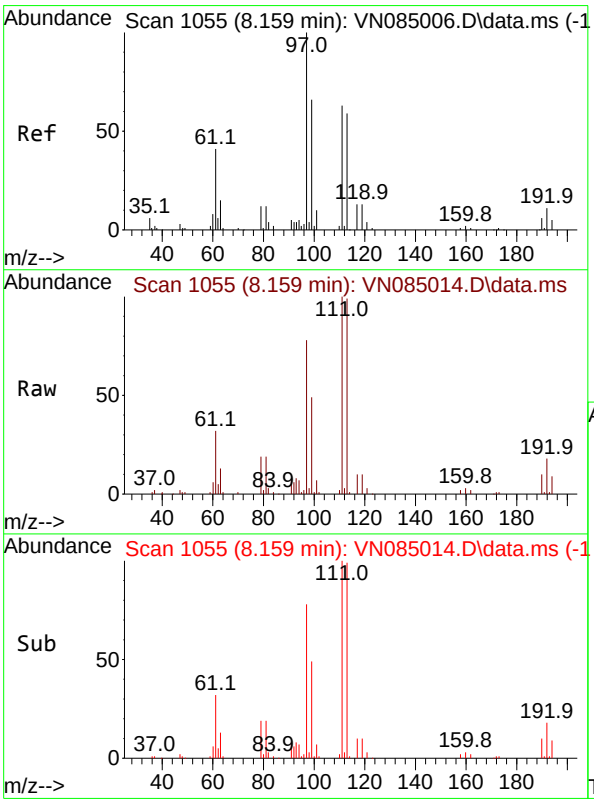
#31
Cyclohexane
Concen: 21.911 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion: 56 Resp: 77046

Ion	Ratio	Lower	Upper
56	100		
69	32.4	24.6	36.8
84	78.0	71.4	107.2

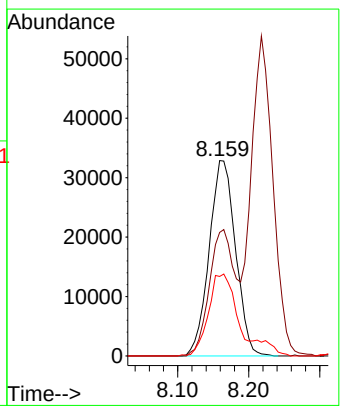


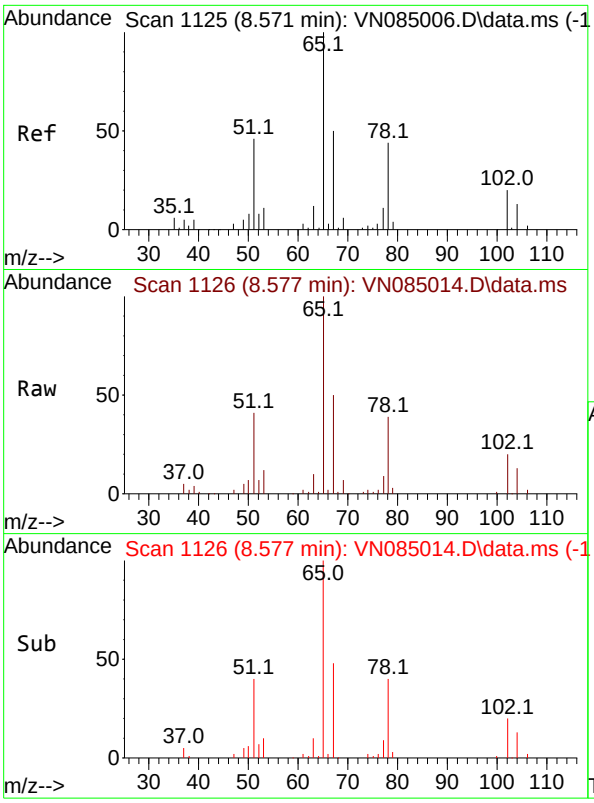


#32
1,1,1-Trichloroethane
Concen: 22.073 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 97 Resp: 84738

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.4
61	44.4	36.2	54.2



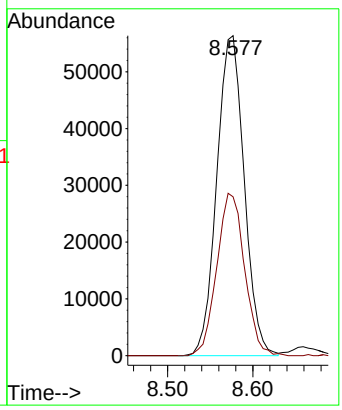


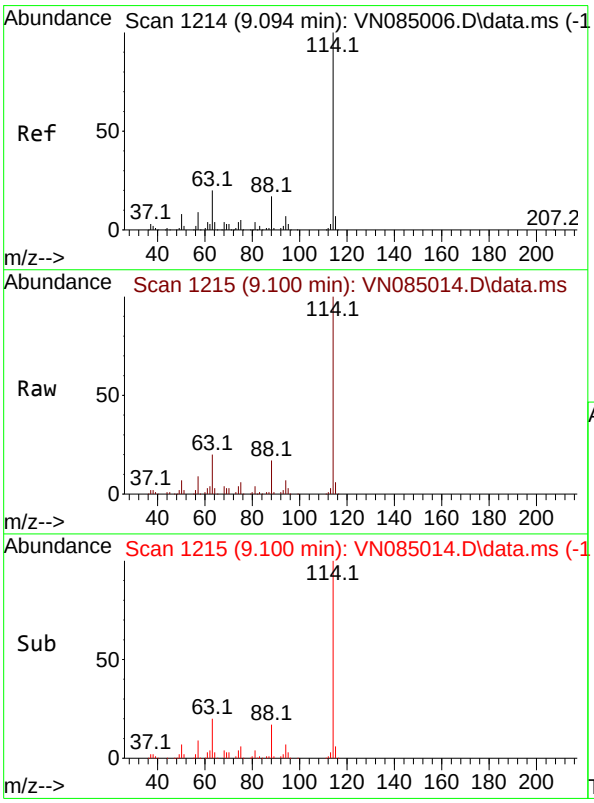
#33
1,2-Dichloroethane-d4
Concen: 47.748 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion: 65 Resp: 126044

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	105.0

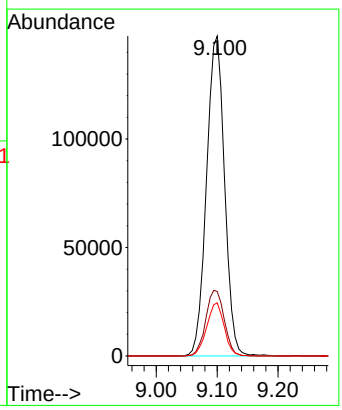


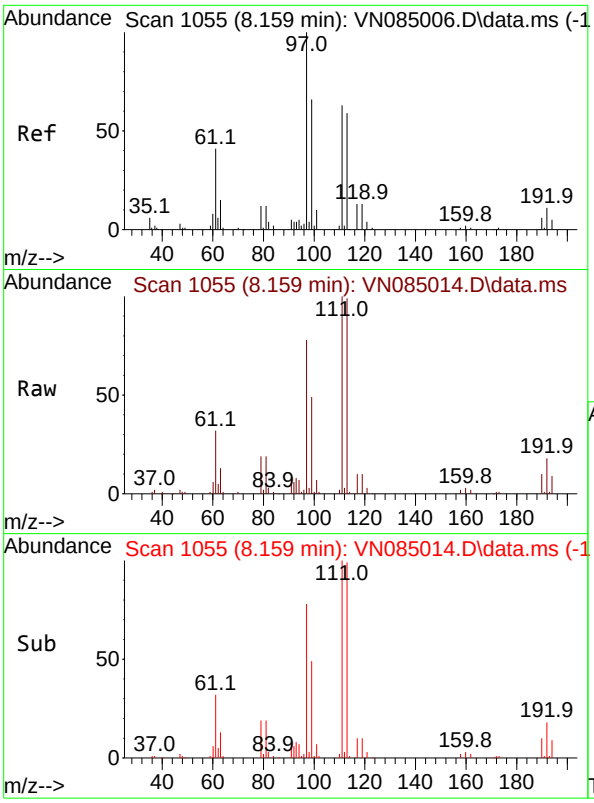


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:114 Resp: 303227

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	41.0
88	16.6	0.0	34.8



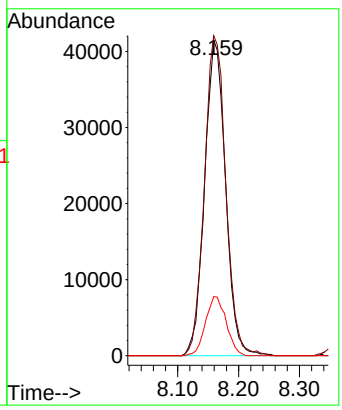


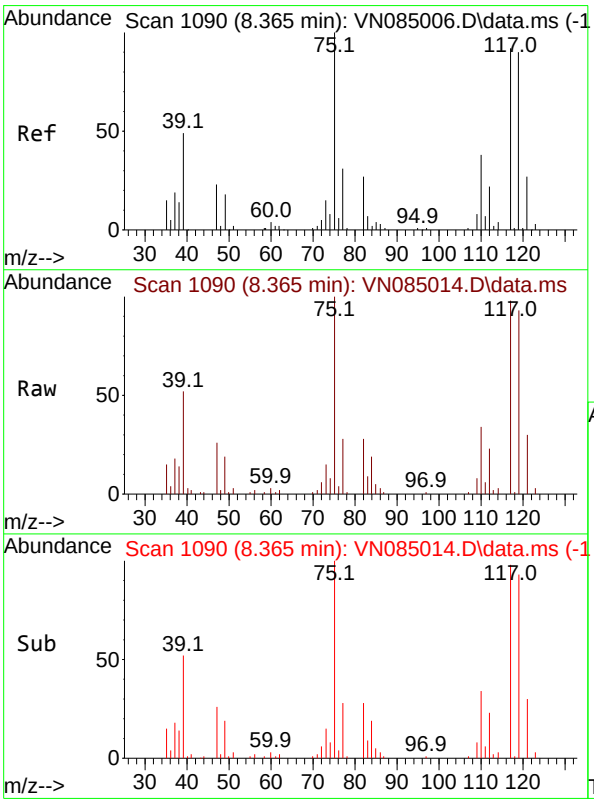
#35
Dibromofluoromethane
Concen: 48.369 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion:113 Resp: 98907

Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.0	123.0
192	18.5	14.8	22.2

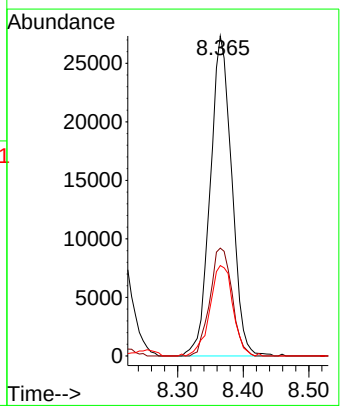


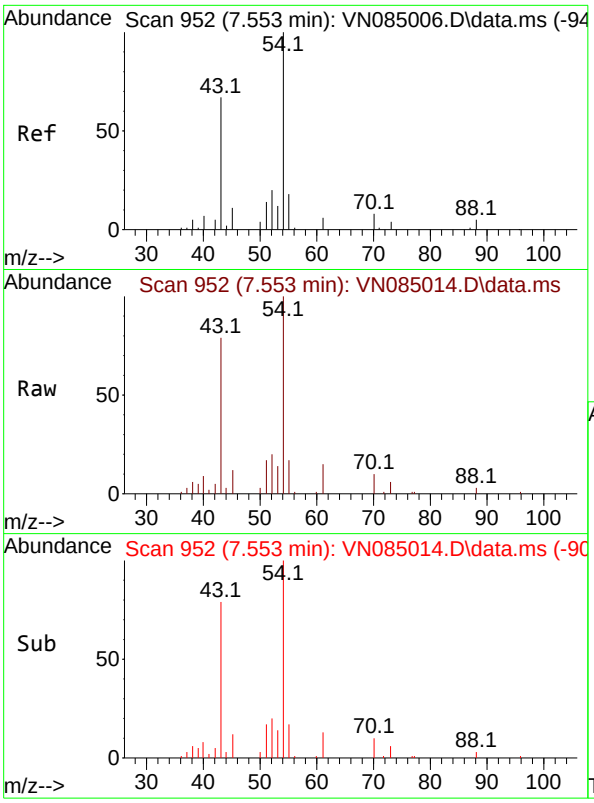


#36
1,1-Dichloropropene
Concen: 22.484 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 75 Resp: 62276

Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.2	51.6
77	30.3	24.2	36.4



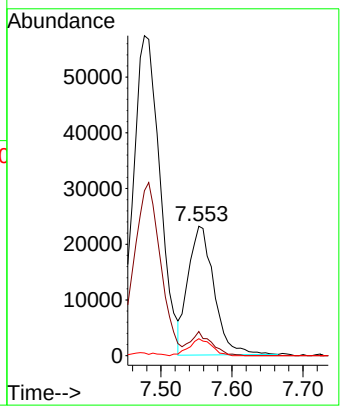


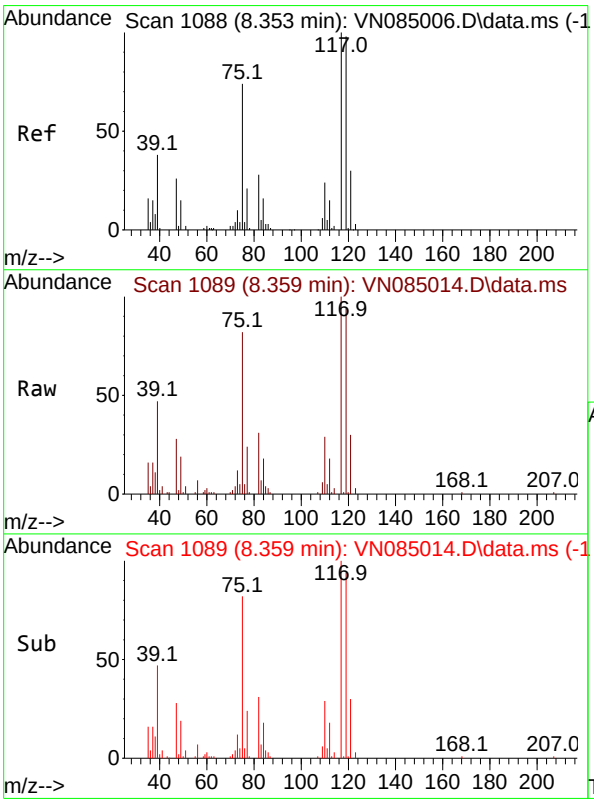
#37
Ethyl Acetate
Concen: 23.315 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion: 43 Resp: 58707

Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.7	17.5
70	11.5	9.3	13.9

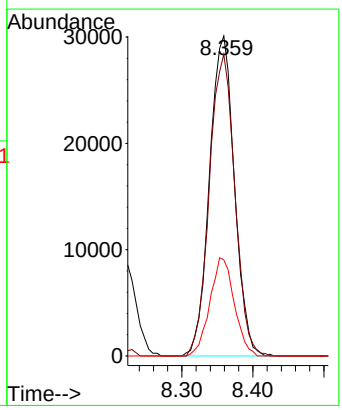


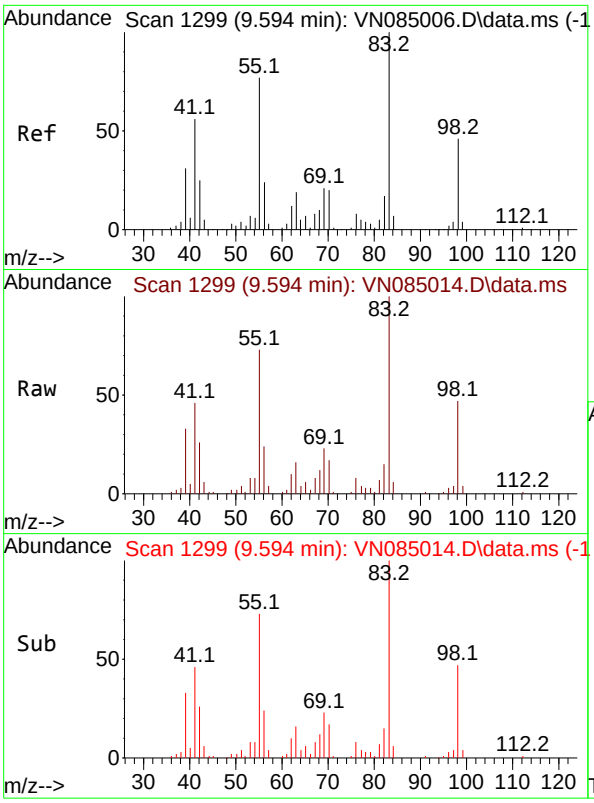


#38
Carbon Tetrachloride
Concen: 22.891 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:117 Resp: 73184

Ion	Ratio	Lower	Upper
117	100		
119	94.2	78.6	117.8
121	30.0	24.2	36.2



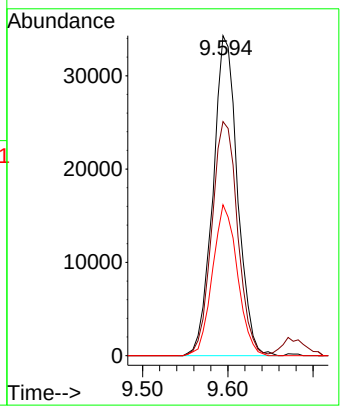


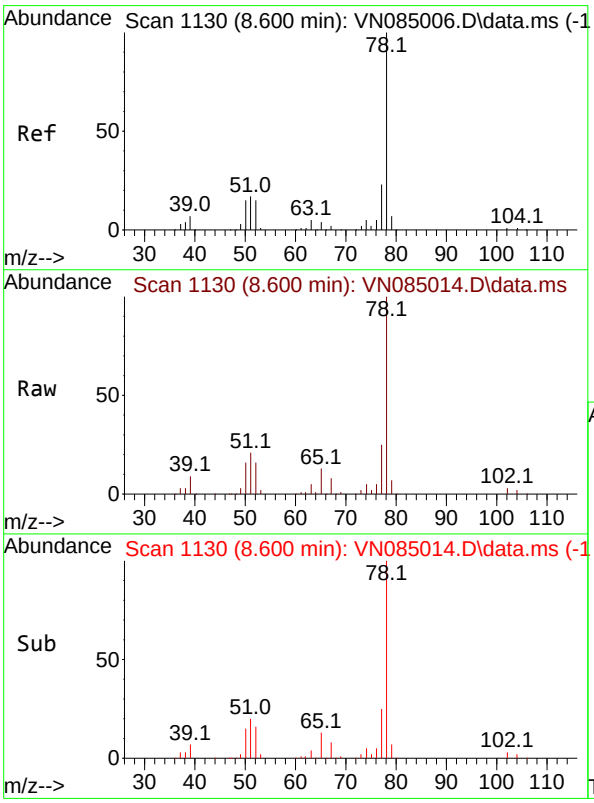
#39
Methylcyclohexane
Concen: 23.840 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion: 83 Resp: 68614

Ion	Ratio	Lower	Upper
83	100		
55	73.2	61.8	92.6
98	47.2	37.0	55.6

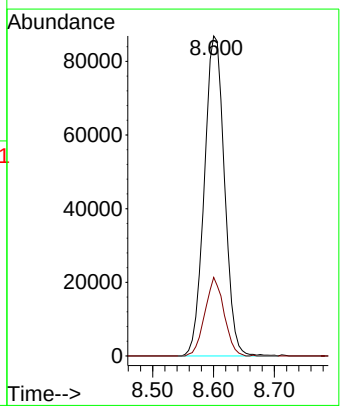


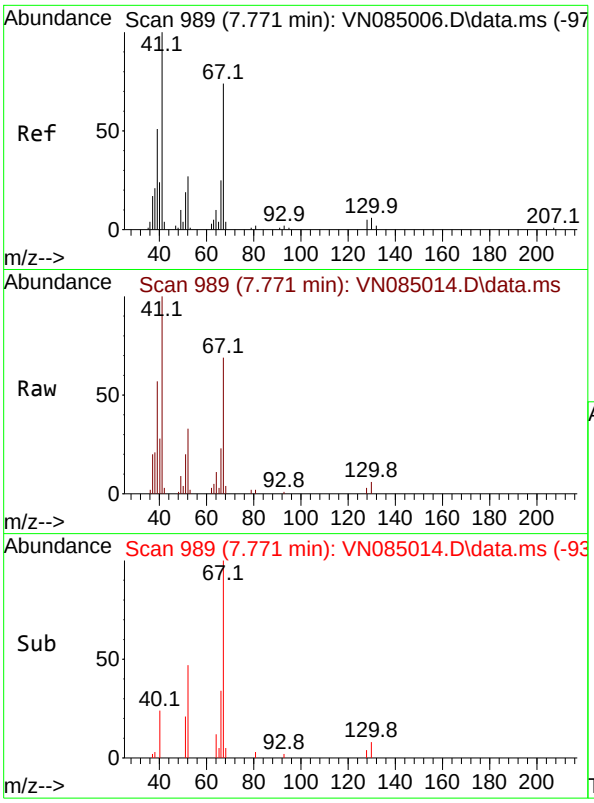


#40
Benzene
Concen: 22.820 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 78 Resp: 199910

Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.5	27.7



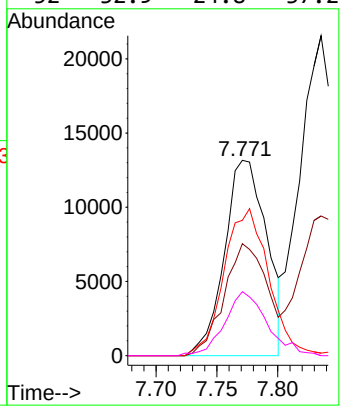


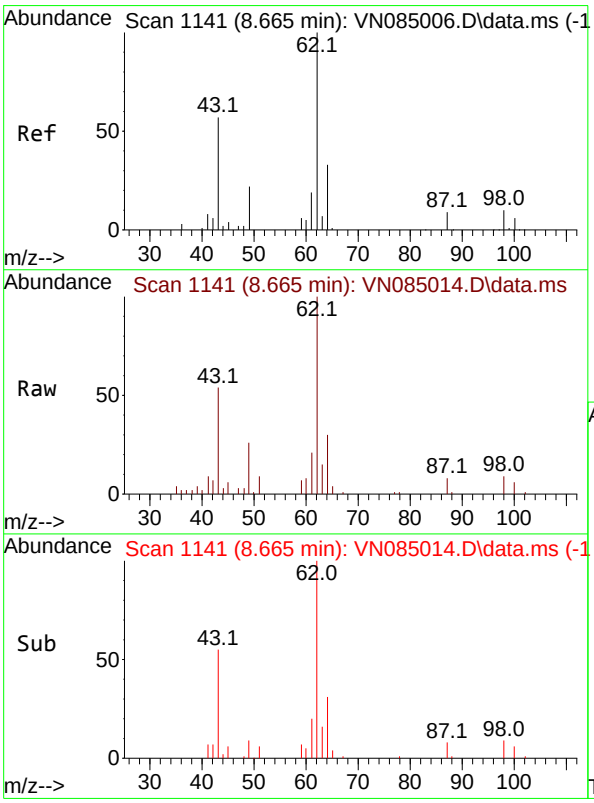
#41
Methacrylonitrile
Concen: 22.816 ug/l
RT: 7.771 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion: 41 Resp: 31809

Ion	Ratio	Lower	Upper
41	100		
39	57.8	42.6	63.8
67	79.8	59.9	89.9
52	32.9	24.8	37.2

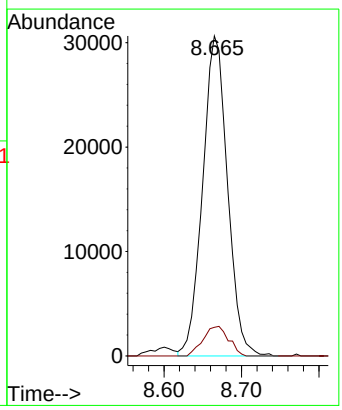


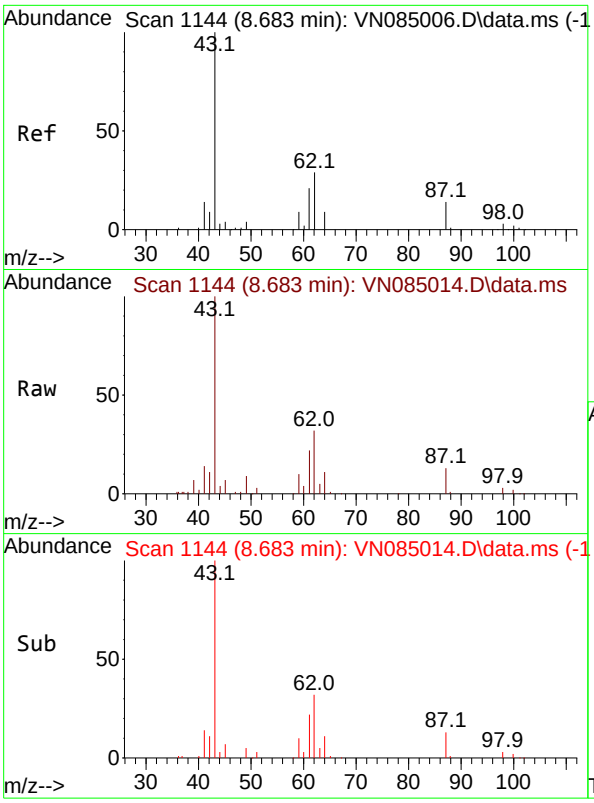


#42
1,2-Dichloroethane
Concen: 22.810 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 62 Resp: 68359

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2



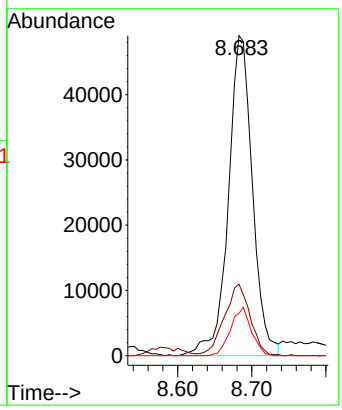


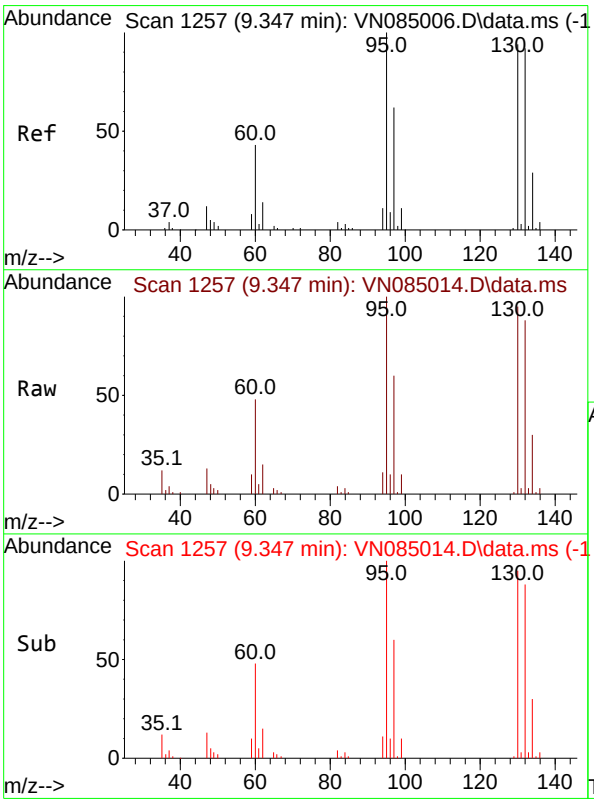
#43
Isopropyl Acetate
Concen: 21.200 ug/l
RT: 8.683 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion: 43 Resp: 110881

Ion	Ratio	Lower	Upper
43	100		
61	23.9	20.6	30.8
87	13.0	11.0	16.4

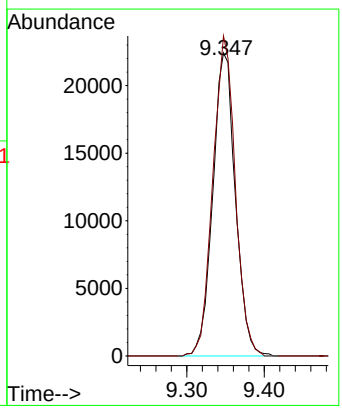


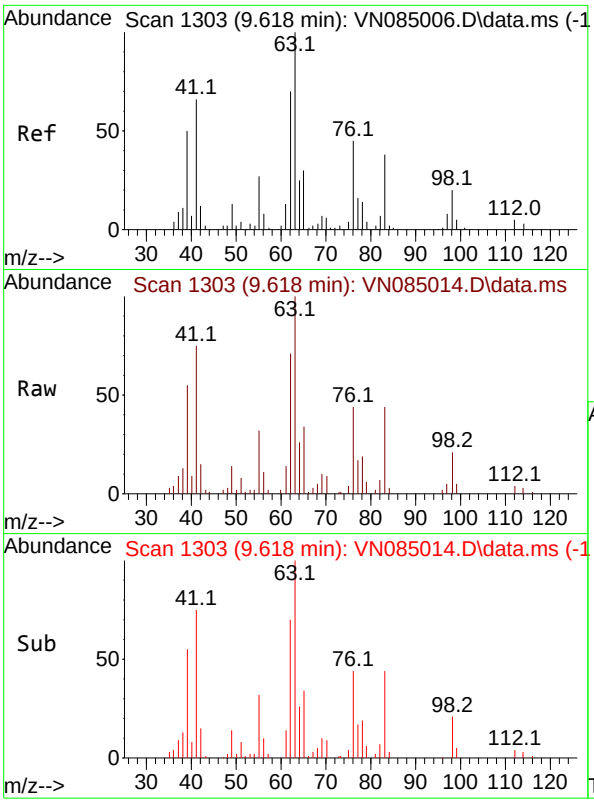


#44
Trichloroethene
Concen: 22.366 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:130 Resp: 45534

Ion	Ratio	Lower	Upper
130	100		
95	105.6	0.0	213.4



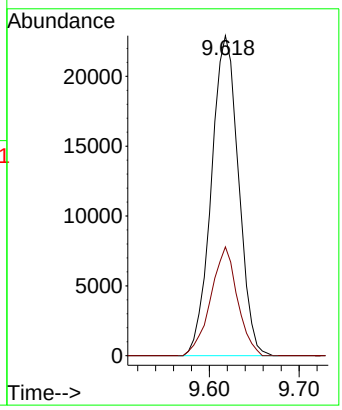


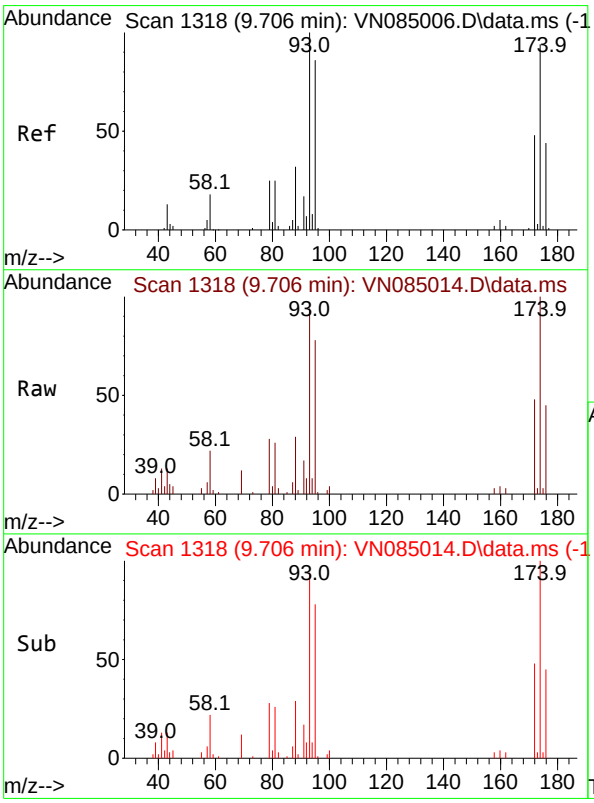
#45
1,2-Dichloropropane
Concen: 22.280 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion: 63 Resp: 48072

Ion	Ratio	Lower	Upper
63	100		
65	34.0	24.0	36.0

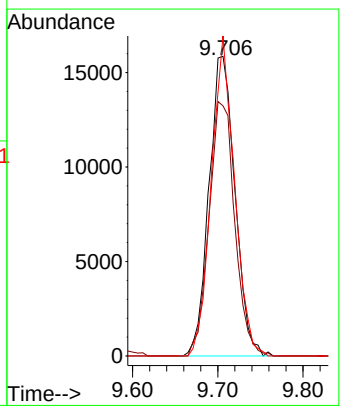


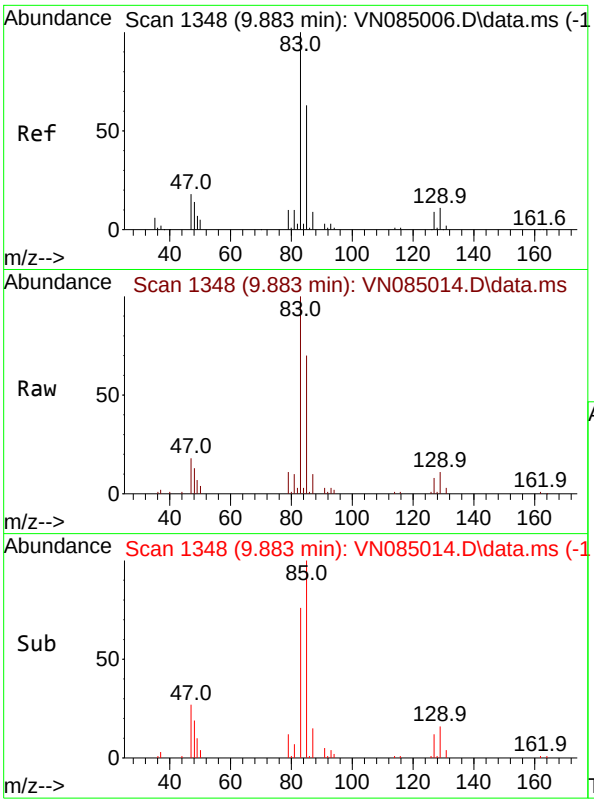


#46
Dibromomethane
Concen: 22.411 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 93 Resp: 33600

Ion	Ratio	Lower	Upper
93	100		
95	84.1	66.2	99.4
174	95.2	74.9	112.3



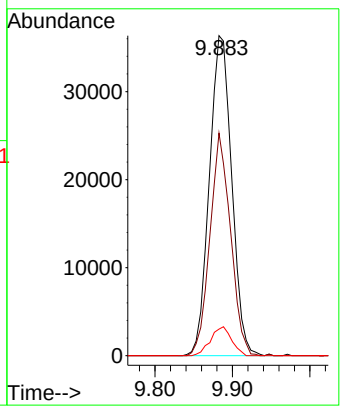


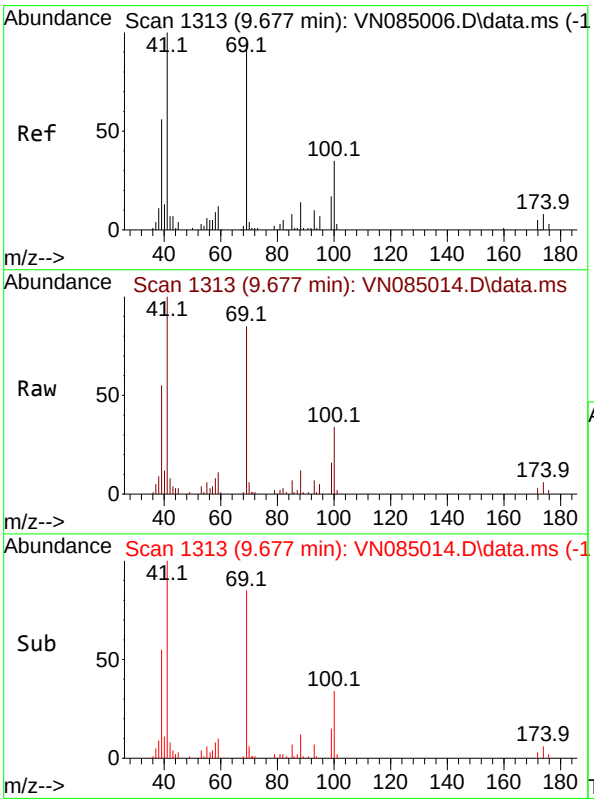
#47
Bromodichloromethane
Concen: 22.912 ug/l
RT: 9.883 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion: 83 Resp: 72806

Ion	Ratio	Lower	Upper
83	100		
85	69.5	50.5	75.7
127	8.3	7.1	10.7

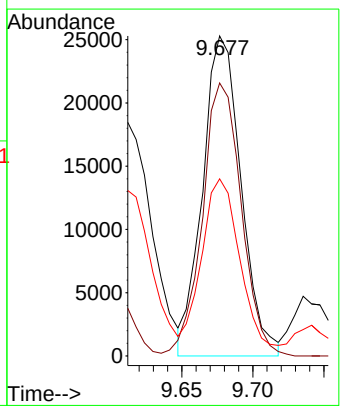


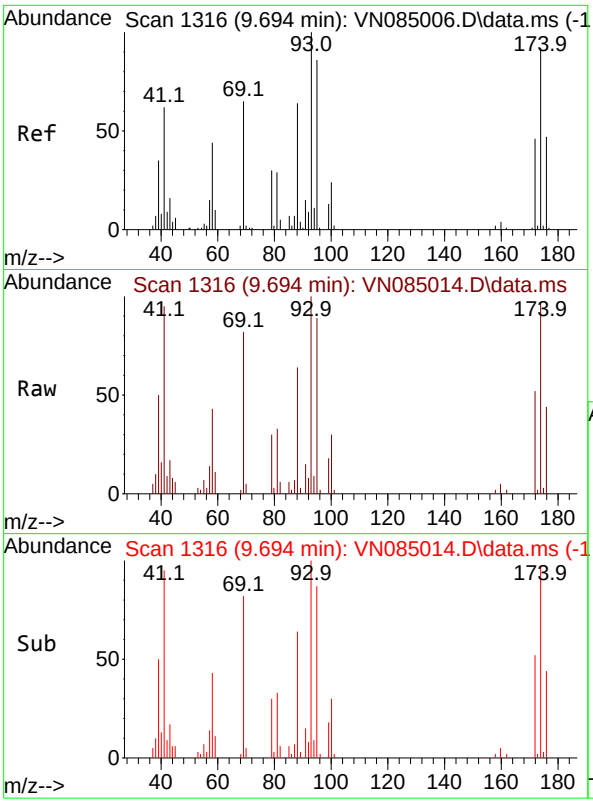


#48
Methyl methacrylate
Concen: 24.490 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 41 Resp: 47665

Ion	Ratio	Lower	Upper
41	100		
69	86.5	73.2	109.8
39	56.6	46.2	69.4



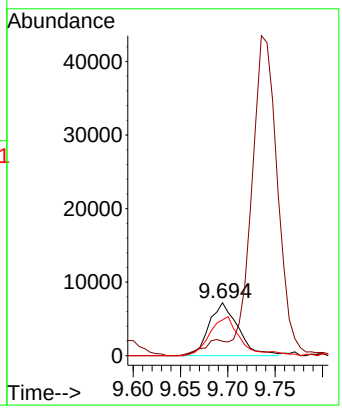


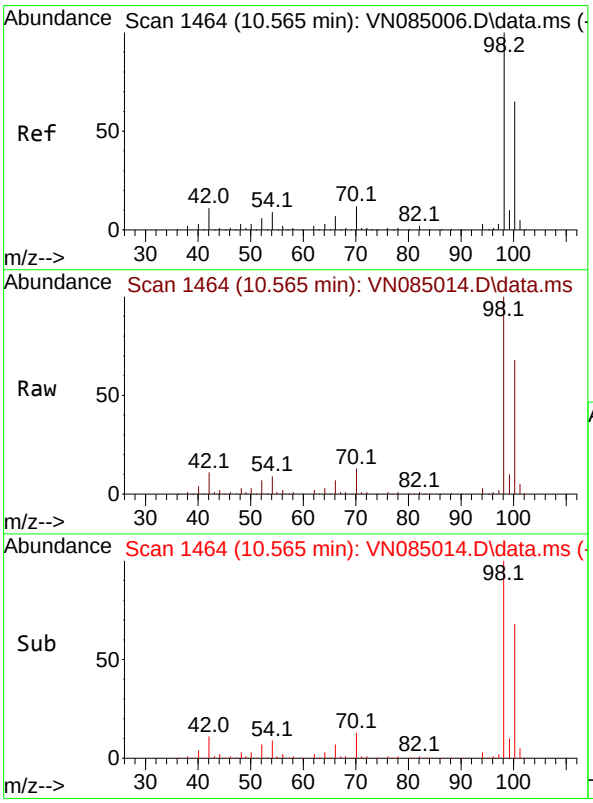
#49
1,4-Dioxane
Concen: 455.638 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion: 88 Resp: 15379

Ion	Ratio	Lower	Upper
88	100		
43	26.0	16.7	25.1#
58	77.4	56.5	84.7

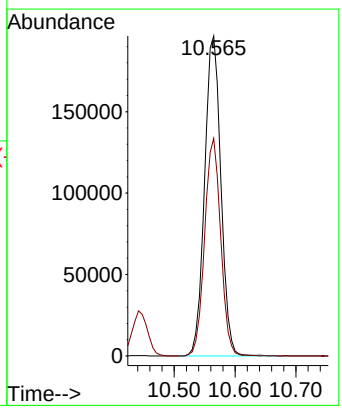


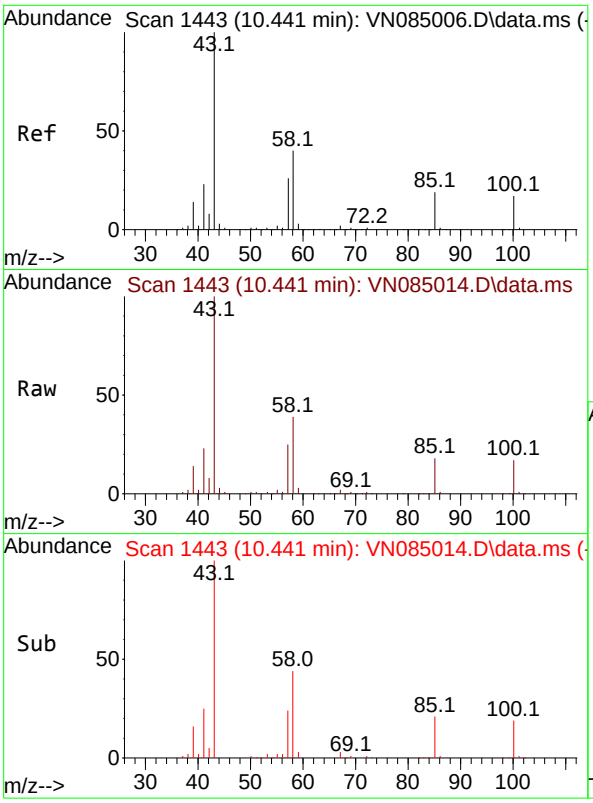


#50
Toluene-d8
Concen: 49.893 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 98 Resp: 365634

Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.5	78.7



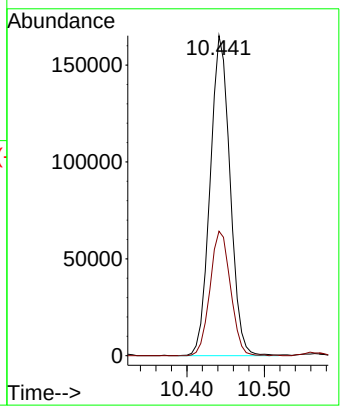


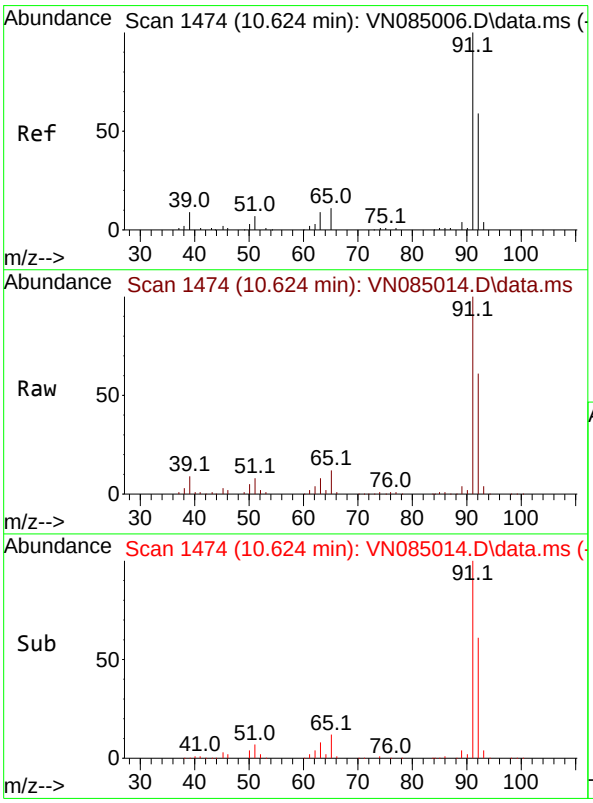
#51
4-Methyl-2-Pentanone
Concen: 123.459 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion: 43 Resp: 294939

Ion	Ratio	Lower	Upper
43	100		
58	39.9	32.1	48.1

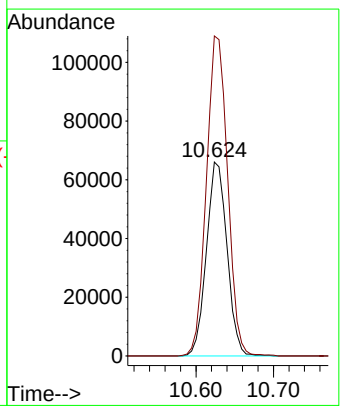


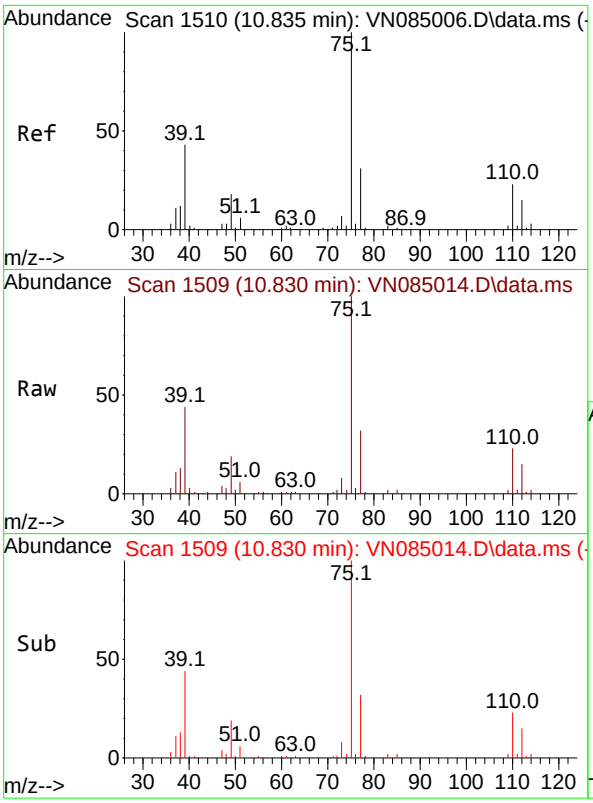


#52
Toluene
Concen: 23.524 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 92 Resp: 121997

Ion	Ratio	Lower	Upper
92	100		
91	169.9	136.7	205.1



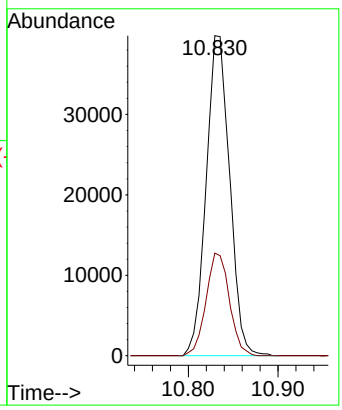


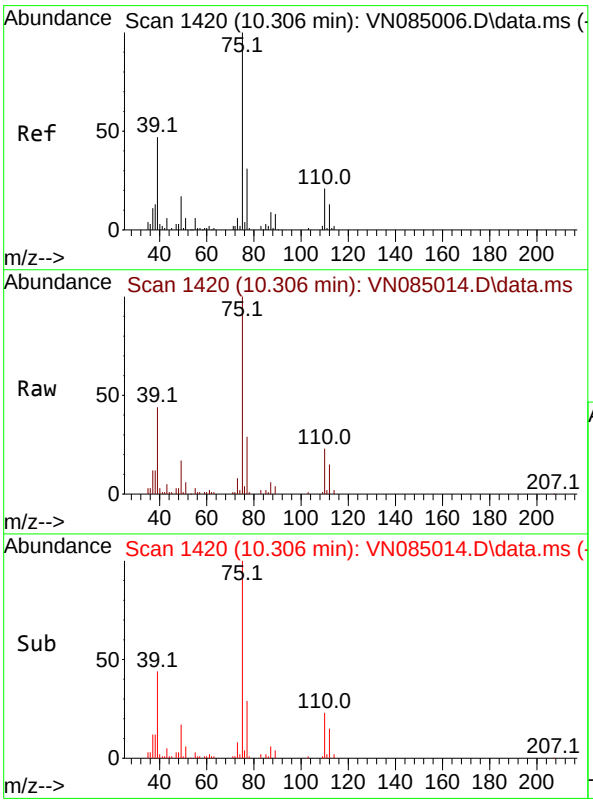
#53
t-1,3-Dichloropropene
Concen: 22.709 ug/l
RT: 10.830 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion: 75 Resp: 72346

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.0	37.4

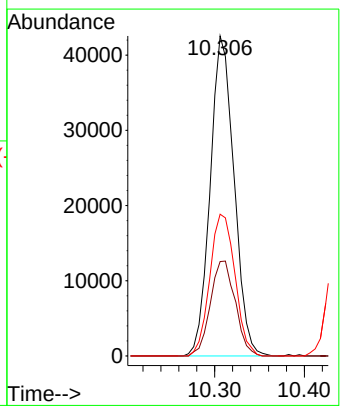


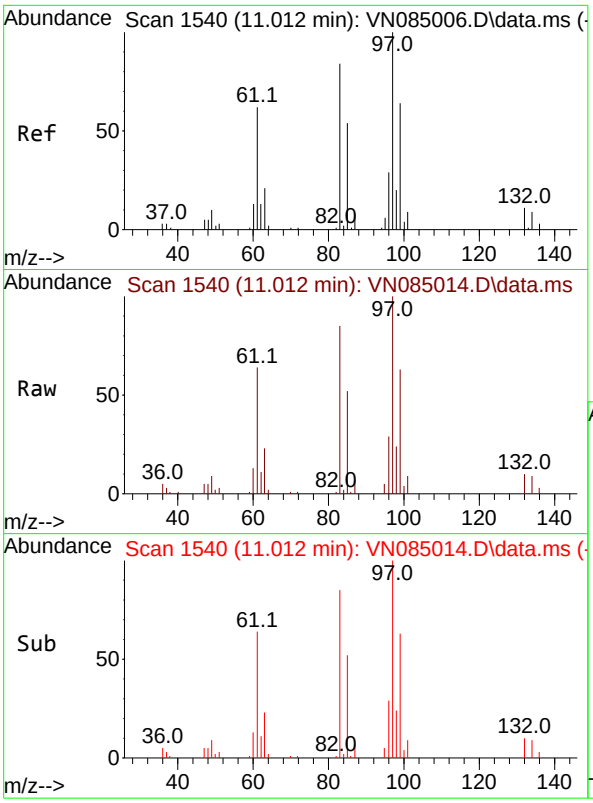


#54
cis-1,3-Dichloropropene
Concen: 23.218 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 75 Resp: 78468

Ion	Ratio	Lower	Upper
75	100		
77	29.5	25.0	37.4
39	44.3	37.6	56.4



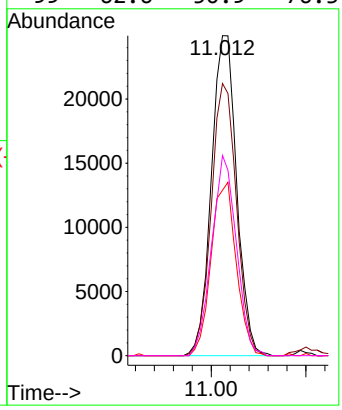


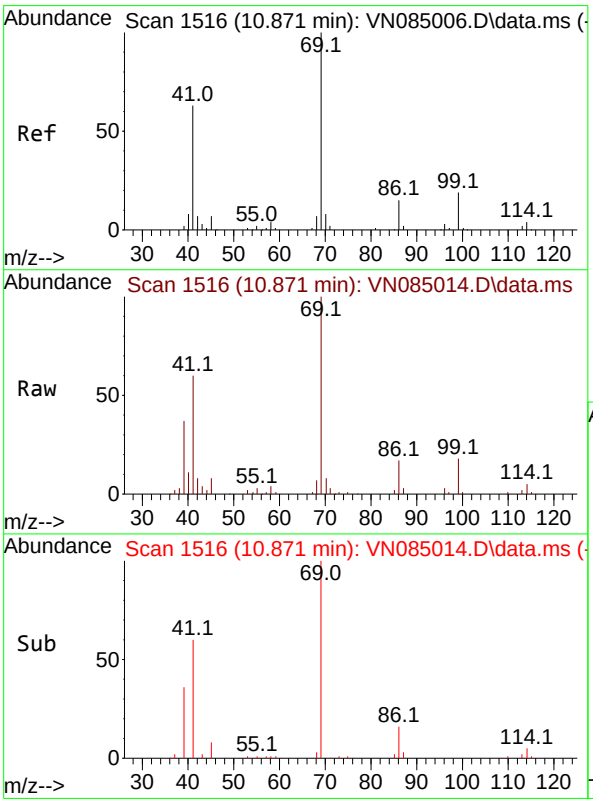
#55
1,1,2-Trichloroethane
Concen: 23.984 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion: 97 Resp: 46329

Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.4	101.2
85	51.7	43.1	64.7
99	62.6	50.9	76.3

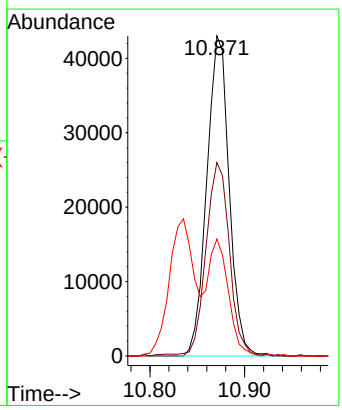


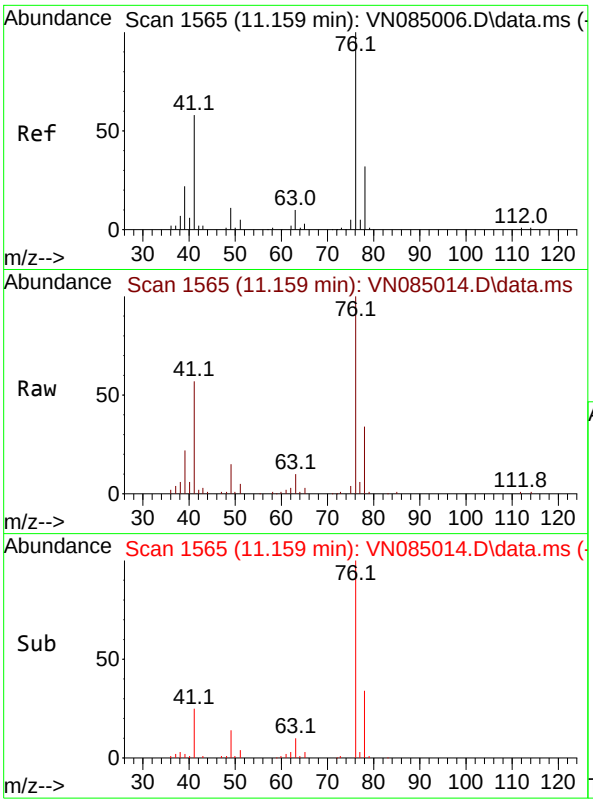


#56
Ethyl methacrylate
Concen: 25.010 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 69 Resp: 70594

Ion	Ratio	Lower	Upper
69	100		
41	63.9	50.0	75.0
39	34.0	27.0	40.6



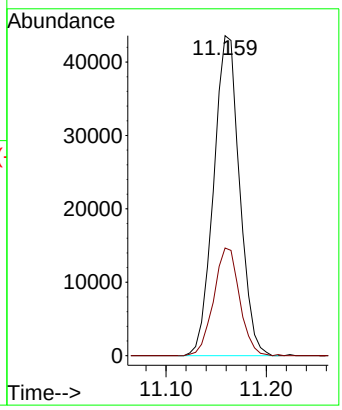


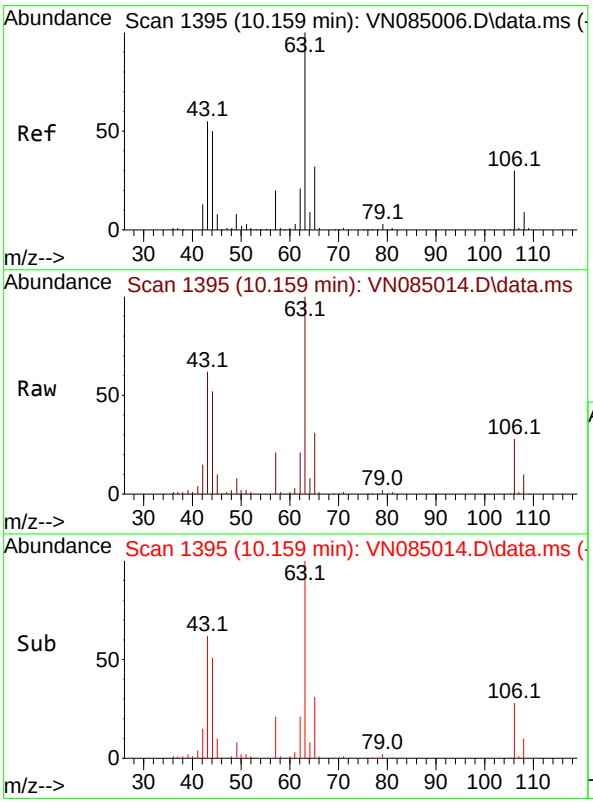
#57
1,3-Dichloropropane
Concen: 22.982 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion: 76 Resp: 78133

Ion	Ratio	Lower	Upper
76	100		
78	33.7	26.1	39.1

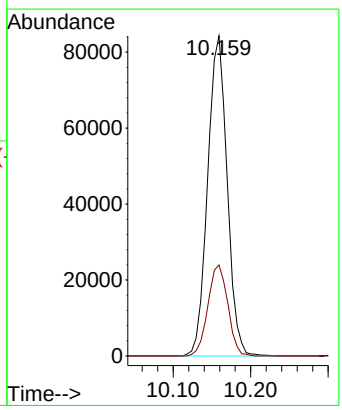


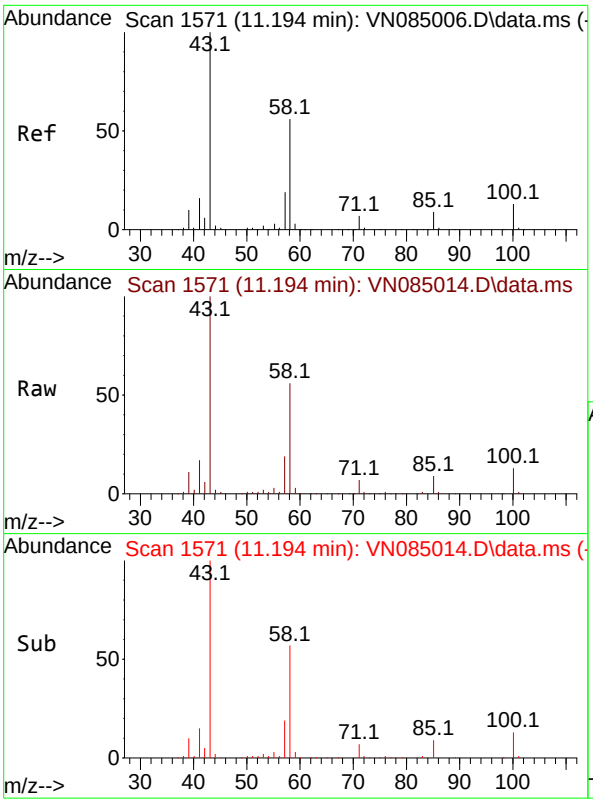


#58
2-Chloroethyl Vinyl ether
Concen: 106.307 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 63 Resp: 147192

Ion	Ratio	Lower	Upper
63	100		
106	29.0	23.0	34.6



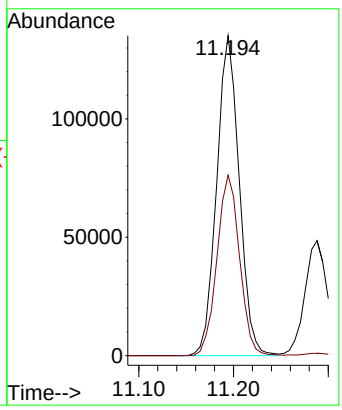


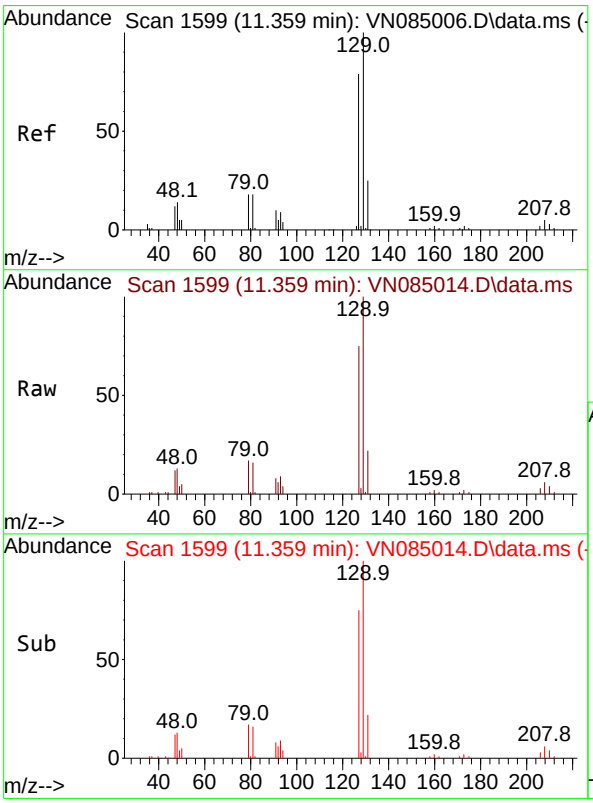
#59
2-Hexanone
Concen: 125.414 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion: 43 Resp: 224080

Ion	Ratio	Lower	Upper
43	100		
58	56.4	28.3	85.0

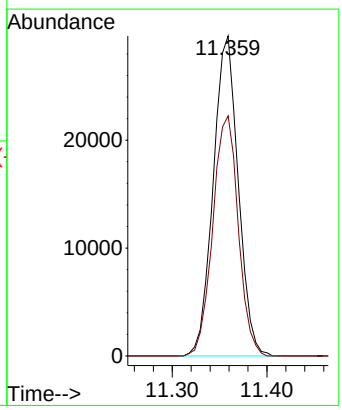


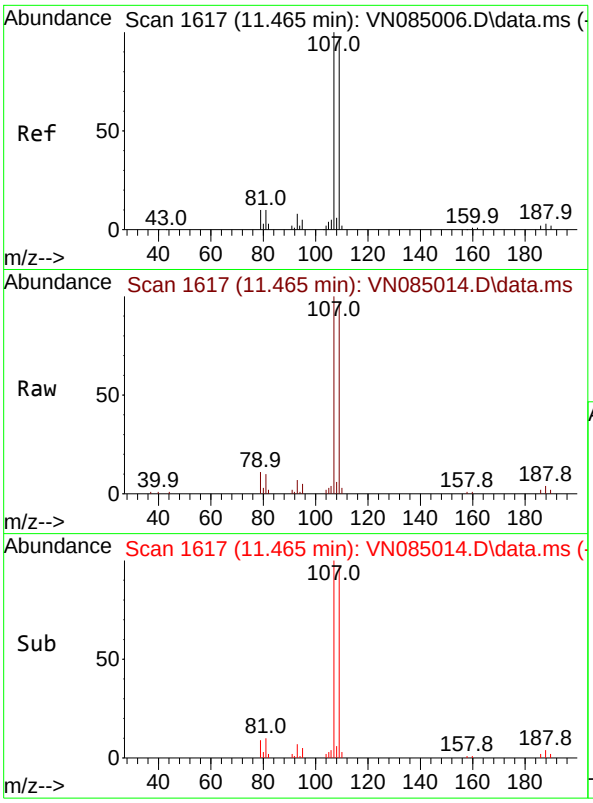


#60
Dibromochloromethane
Concen: 23.069 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:129 Resp: 54461

Ion	Ratio	Lower	Upper
129	100		
127	76.2	39.2	117.6



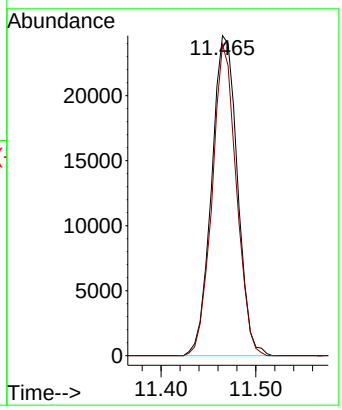


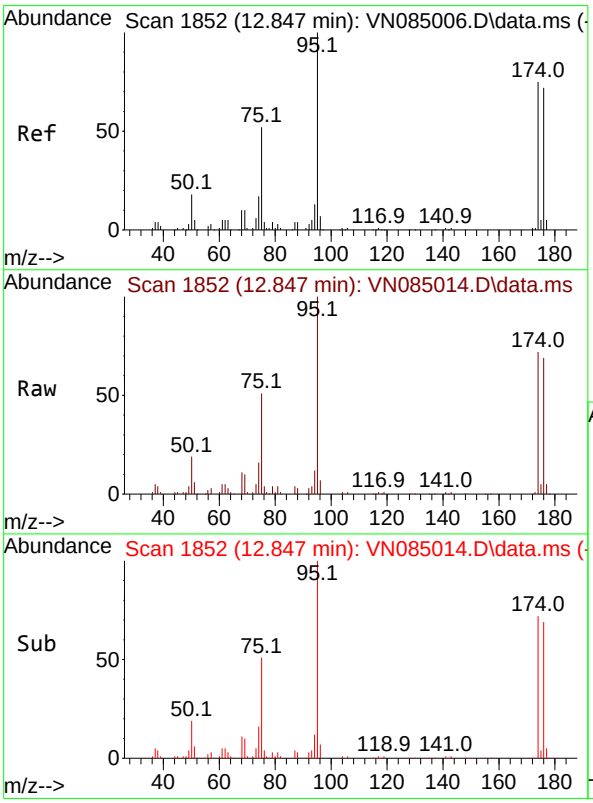
#61
1,2-Dibromoethane
Concen: 23.302 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion:107 Resp: 46584

Ion	Ratio	Lower	Upper
107	100		
109	91.2	76.1	114.1

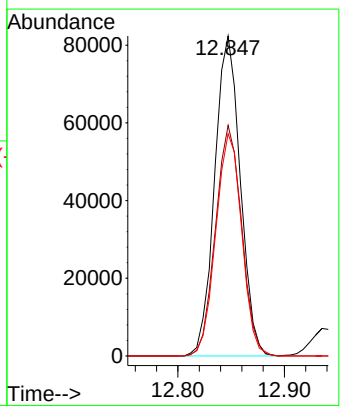


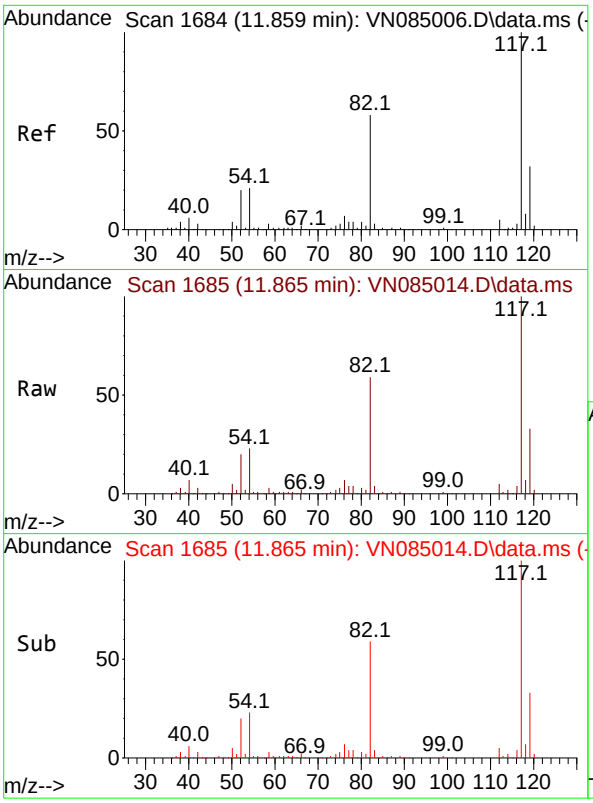


#62
4-Bromofluorobenzene
Concen: 50.202 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 95 Resp: 137582

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	146.6
176	70.2	0.0	141.8



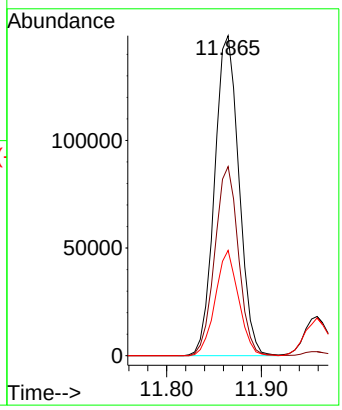


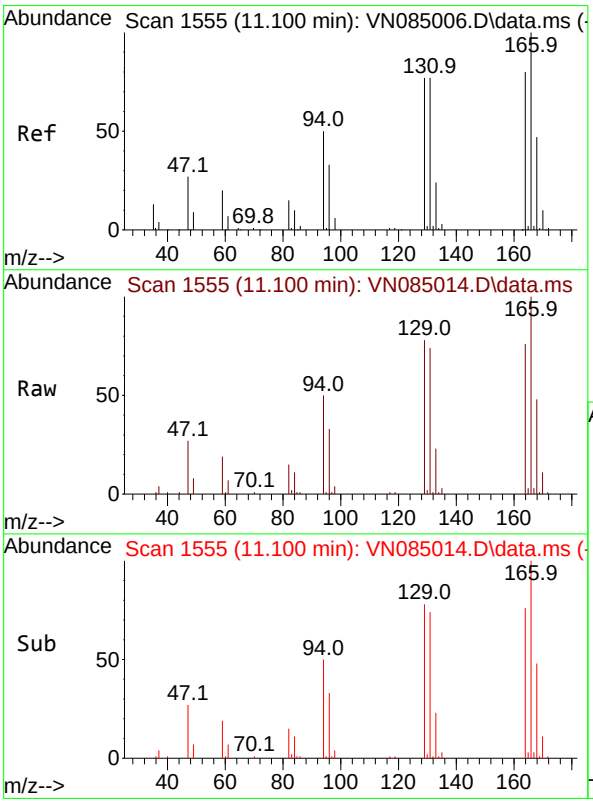
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion:117 Resp: 265687

Ion	Ratio	Lower	Upper
117	100		
82	59.1	46.0	69.0
119	32.9	25.6	38.4

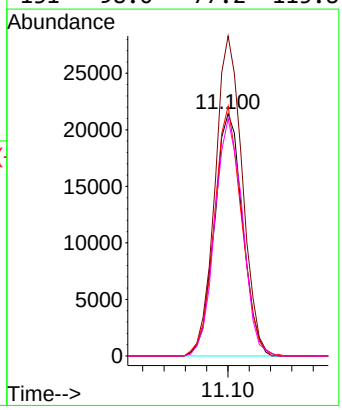


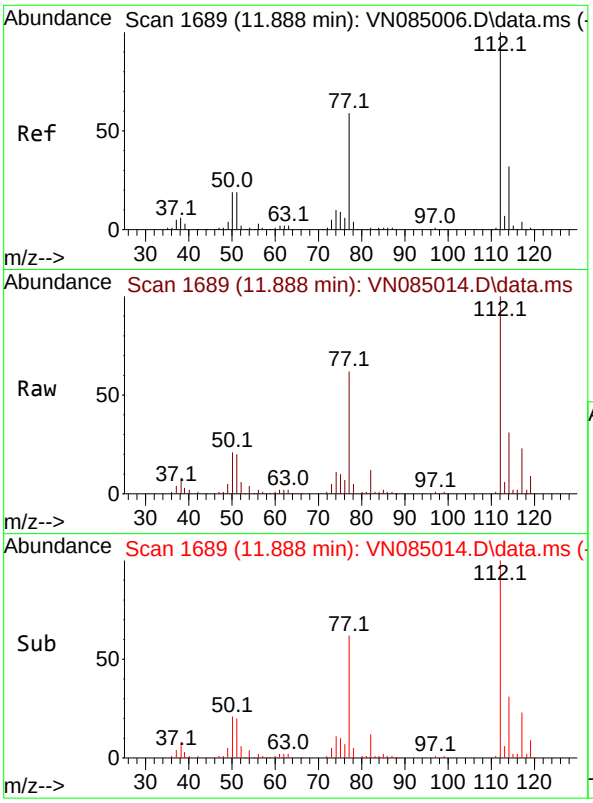


#64
Tetrachloroethene
Concen: 21.912 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:164 Resp: 39229

Ion	Ratio	Lower	Upper
164	100		
166	132.1	100.6	151.0
129	103.1	77.7	116.5
131	98.0	77.2	115.8



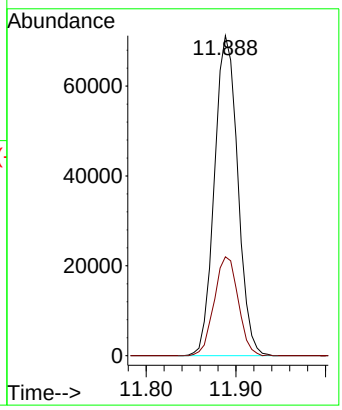


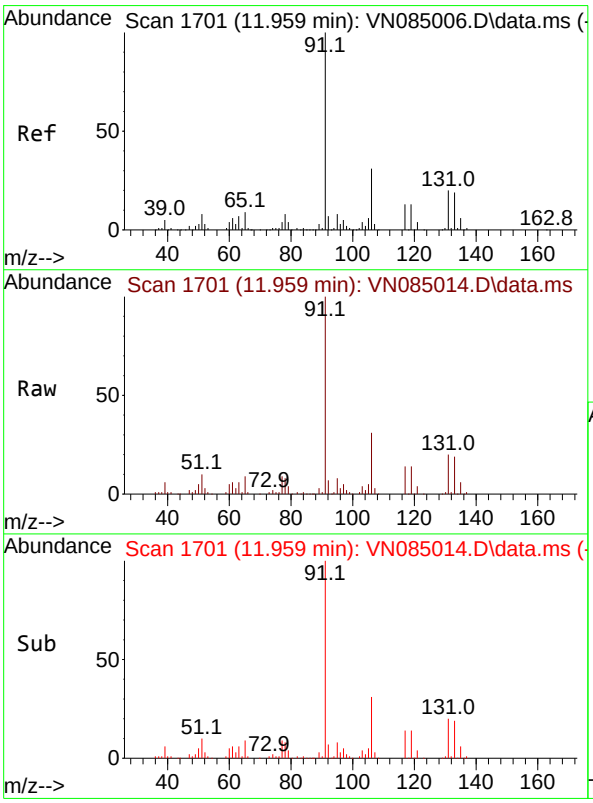
#65
Chlorobenzene
Concen: 21.322 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion:112 Resp: 128475

Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.8	38.6

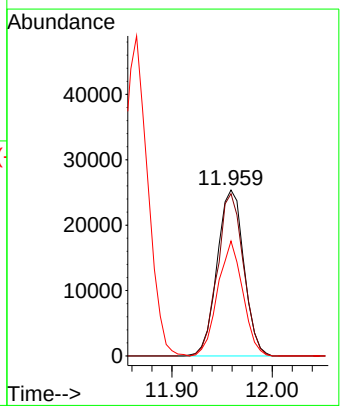


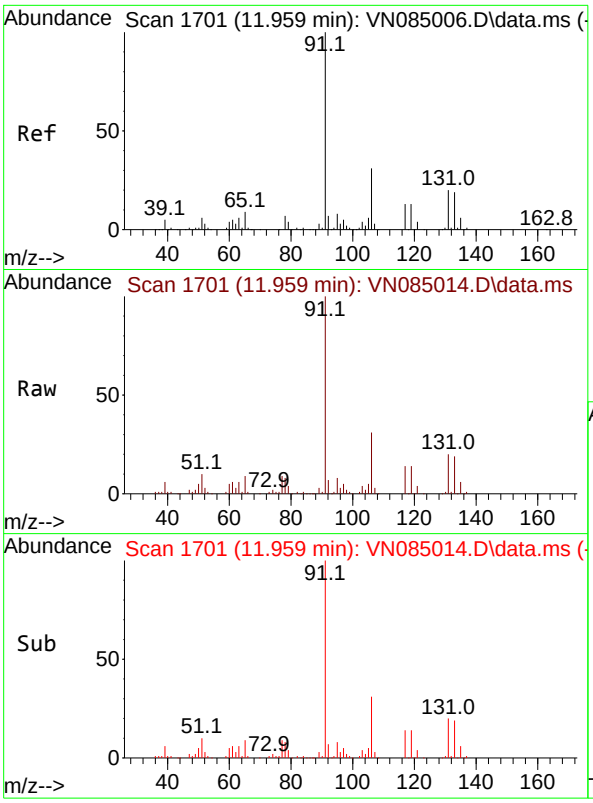


#66
1,1,1,2-Tetrachloroethane
Concen: 22.212 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:131 Resp: 47122

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.8	143.4
119	64.8	32.1	96.3



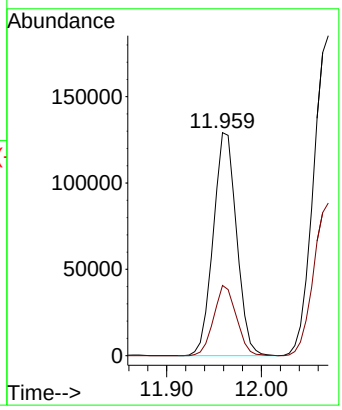


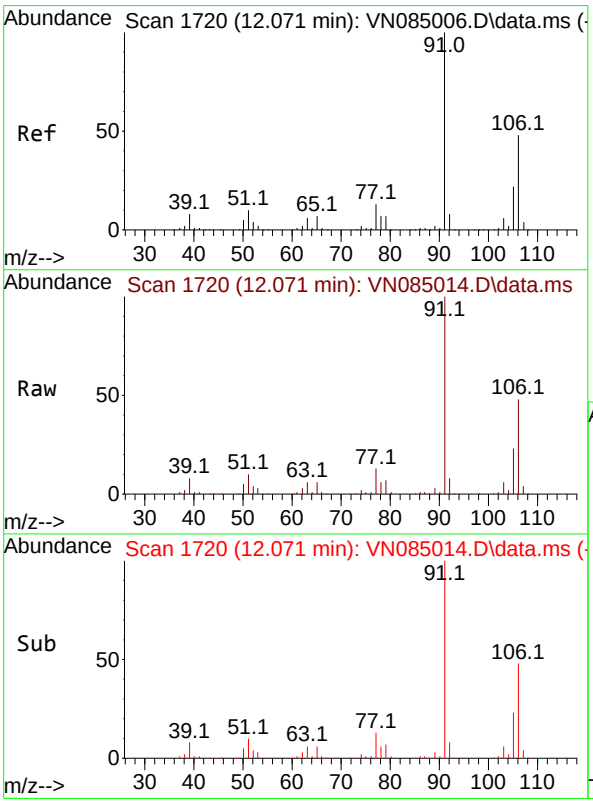
#67
Ethyl Benzene
Concen: 22.661 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion: 91 Resp: 221527

Ion	Ratio	Lower	Upper
91	100		
106	31.4	24.7	37.1

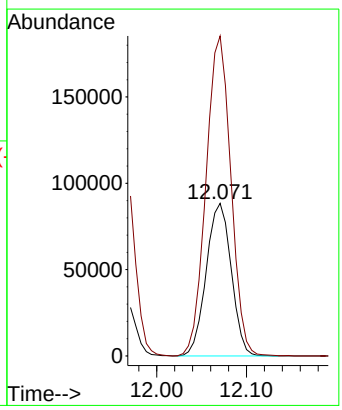


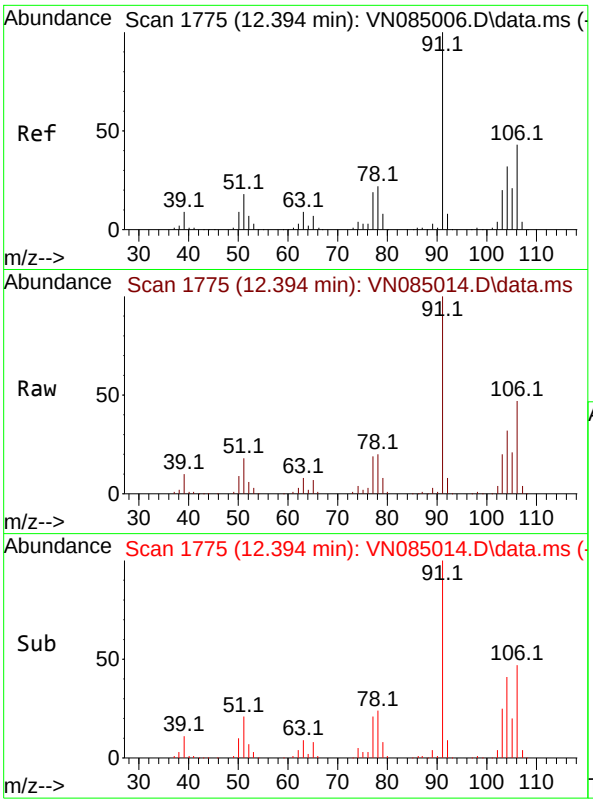


#68
m/p-Xylenes
Concen: 45.974 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:106 Resp: 171105

Ion	Ratio	Lower	Upper
106	100		
91	208.7	168.0	252.0



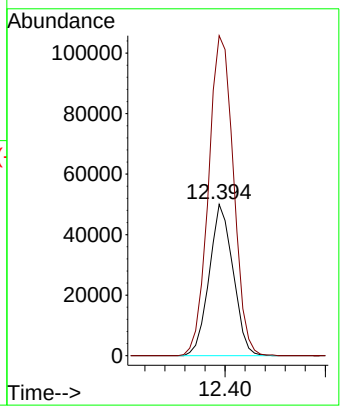


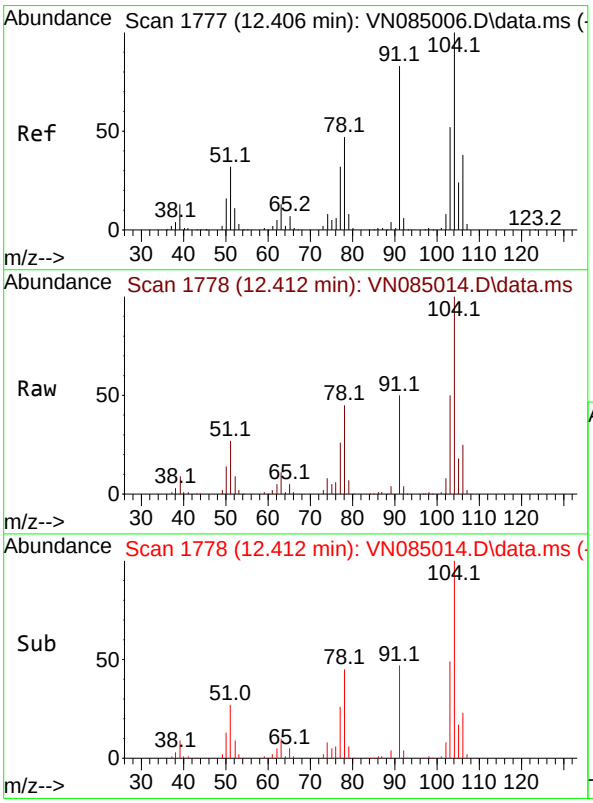
#69
o-Xylene
Concen: 23.324 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion:106 Resp: 82572

Ion	Ratio	Lower	Upper
106	100		
91	221.7	110.7	331.9

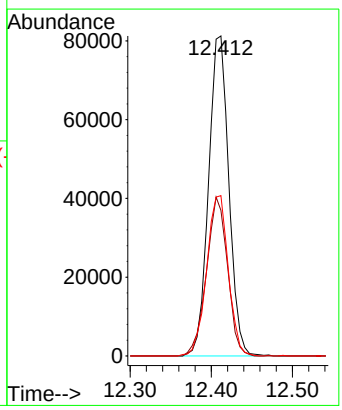


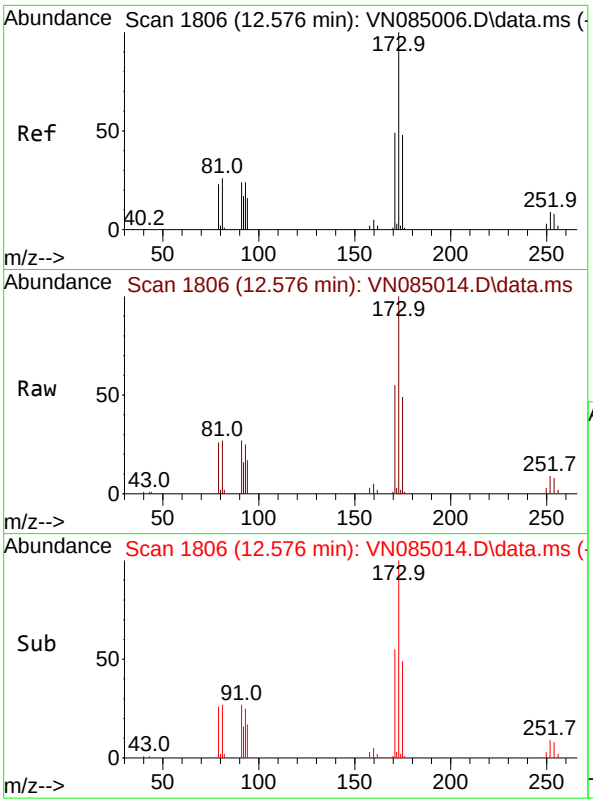


#70
Styrene
Concen: 23.947 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:104 Resp: 140988

Ion	Ratio	Lower	Upper
104	100		
78	51.3	42.3	63.5
103	53.5	44.2	66.2



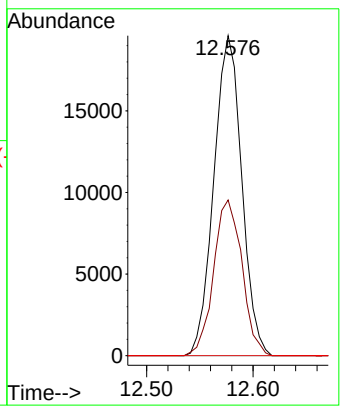


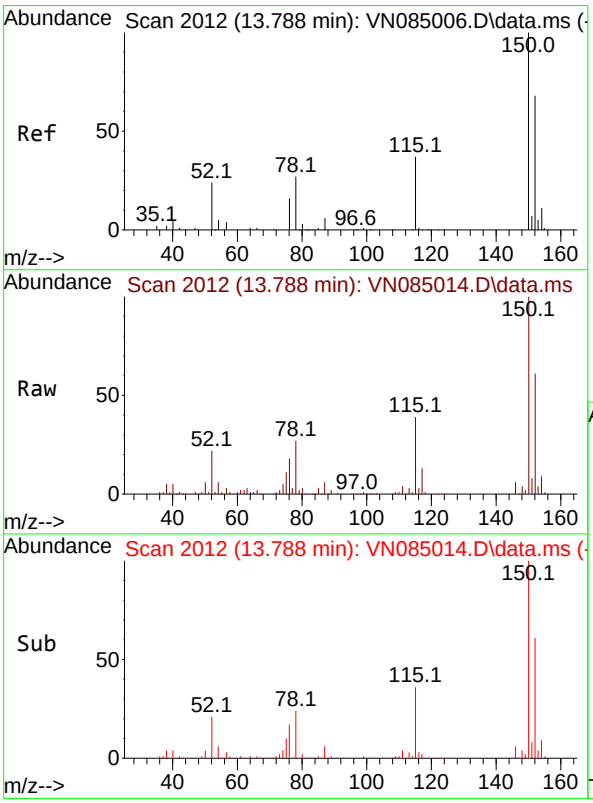
#71
Bromoform
Concen: 22.635 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion:173 Resp: 35645

Ion	Ratio	Lower	Upper
173	100		
175	49.5	23.8	71.2
254	0.0	0.0	0.0

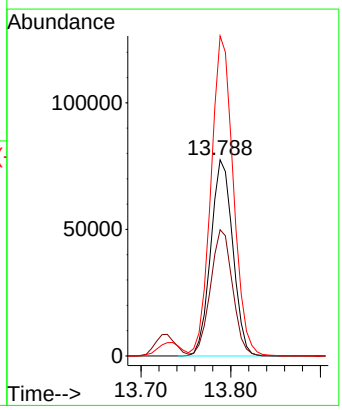


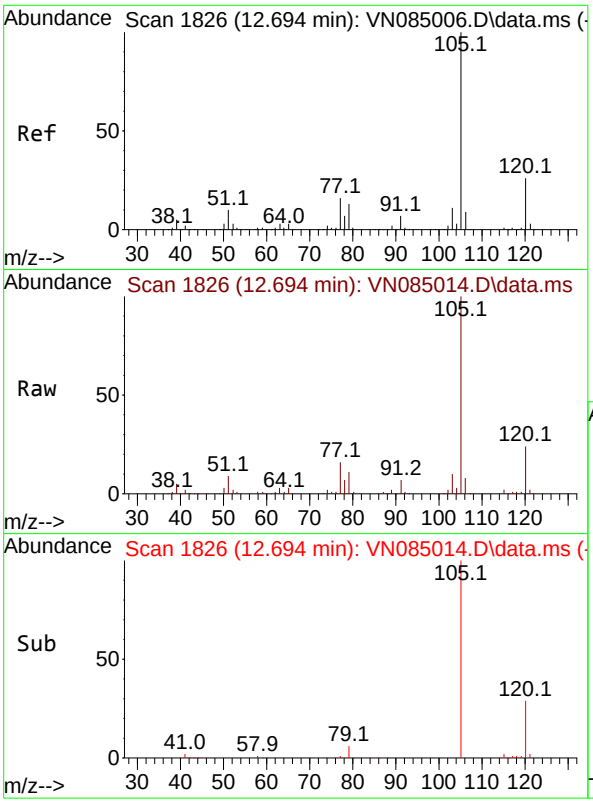


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:152 Resp: 132118

Ion	Ratio	Lower	Upper
152	100		
115	64.6	31.7	95.1
150	165.5	0.0	351.4



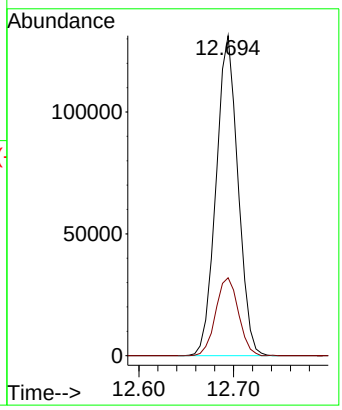


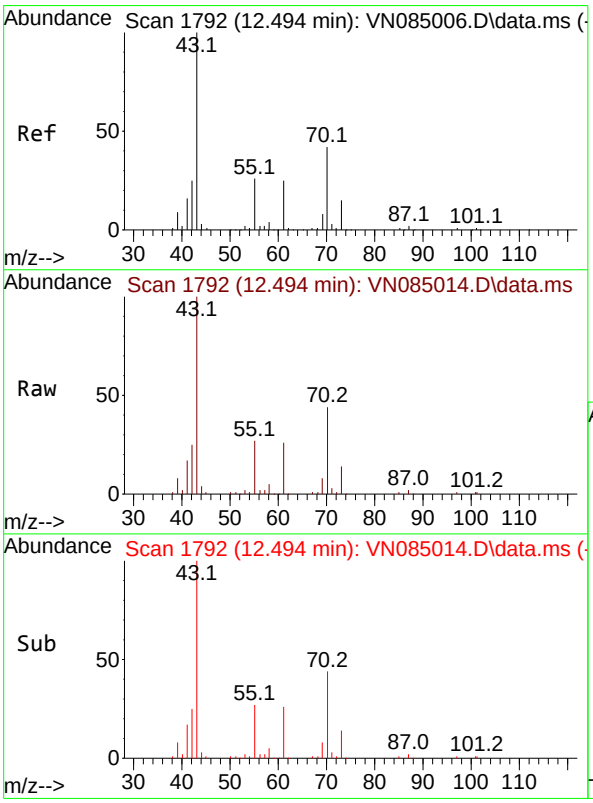
#73
Isopropylbenzene
Concen: 22.656 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion:105 Resp: 211166

Ion	Ratio	Lower	Upper
105	100		
120	25.2	13.0	39.0

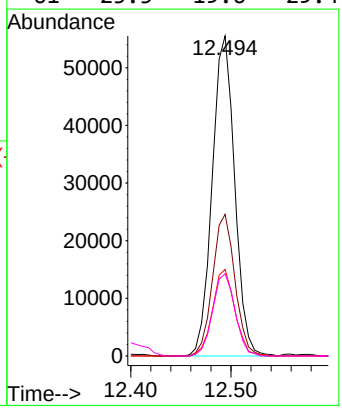


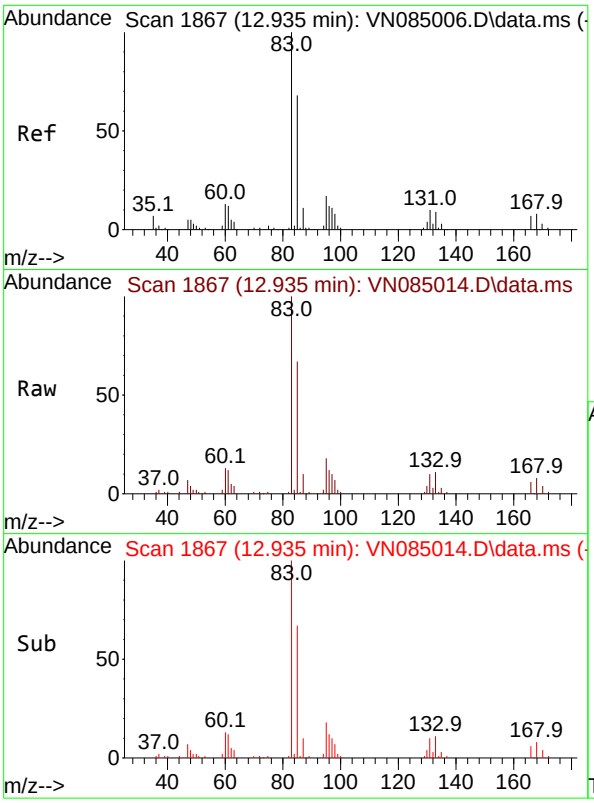


#74
N-amyl acetate
Concen: 22.499 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 43 Resp: 86413

Ion	Ratio	Lower	Upper
43	100		
70	44.0	34.6	51.8
55	26.9	20.5	30.7
61	25.5	19.6	29.4



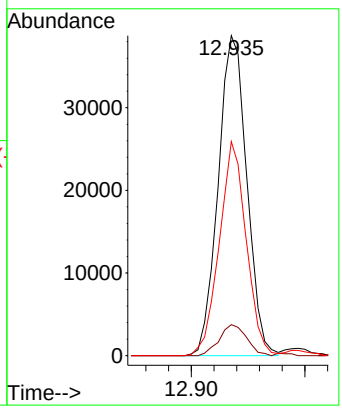


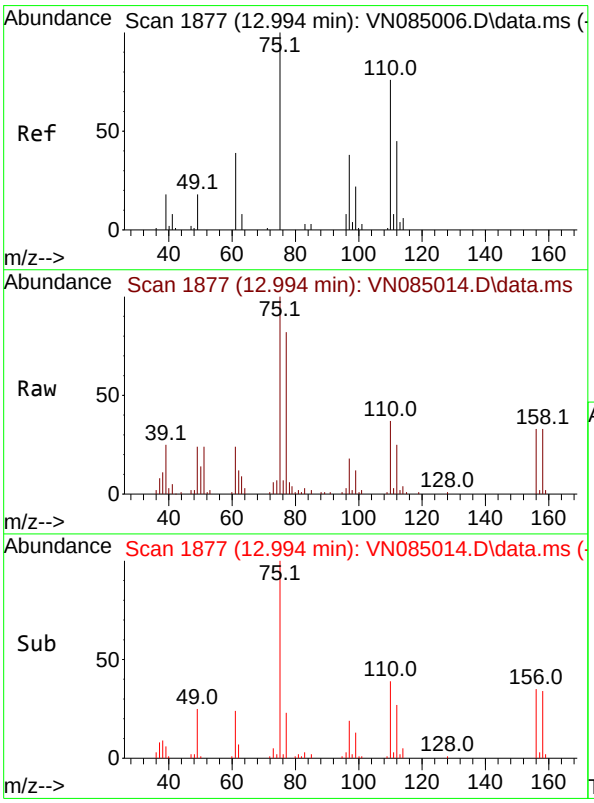
#75
1,1,2,2-Tetrachloroethane
Concen: 21.284 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion: 83 Resp: 67742

Ion	Ratio	Lower	Upper
83	100		
131	9.3	5.1	15.4
85	62.9	32.1	96.3

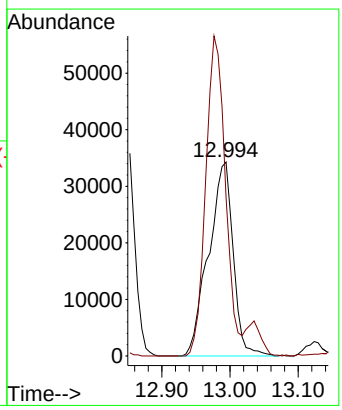


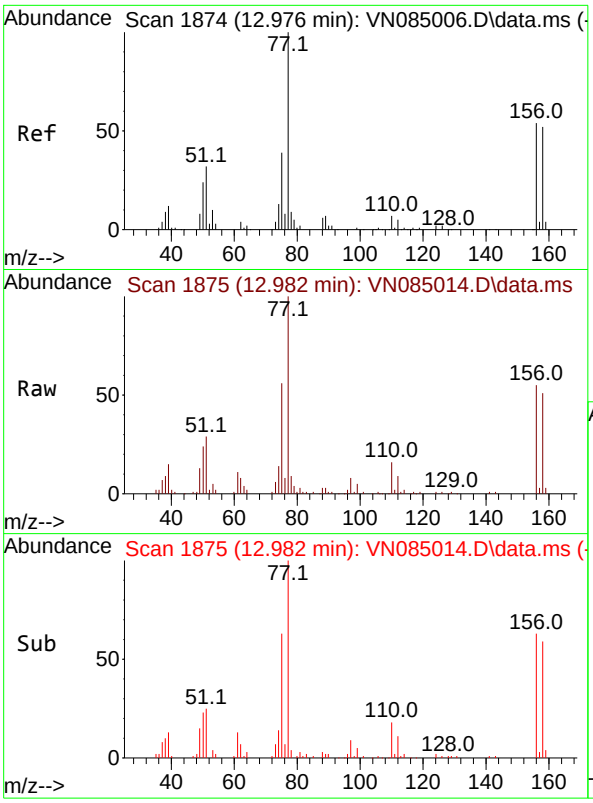


#76
1,2,3-Trichloropropane
Concen: 35.783 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 75 Resp: 85991

Ion	Ratio	Lower	Upper
75	100		
77	132.2	109.1	327.4



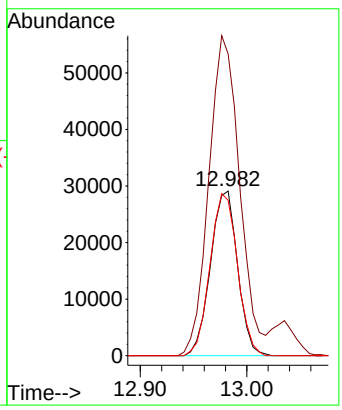


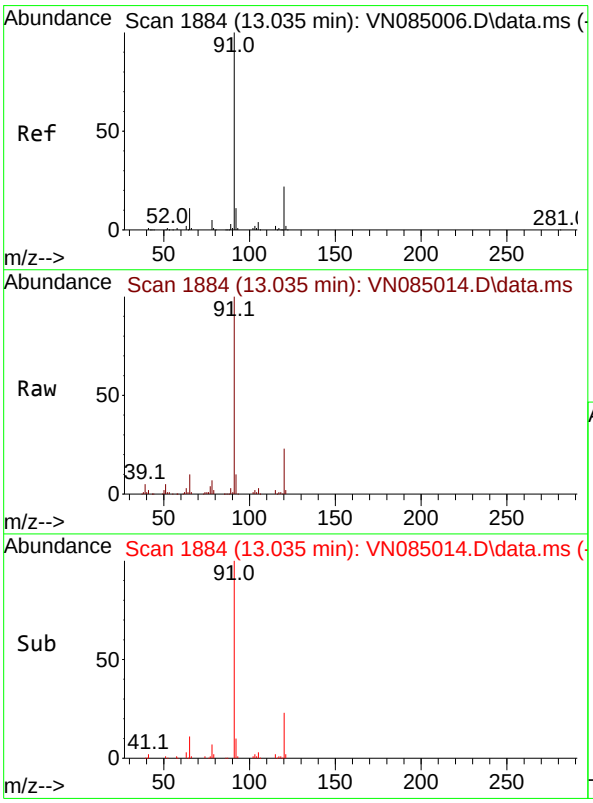
#77
Bromobenzene
Concen: 20.433 ug/l
RT: 12.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion:156 Resp: 51251

Ion	Ratio	Lower	Upper
156	100		
77	221.8	107.2	321.6
158	99.9	48.5	145.6

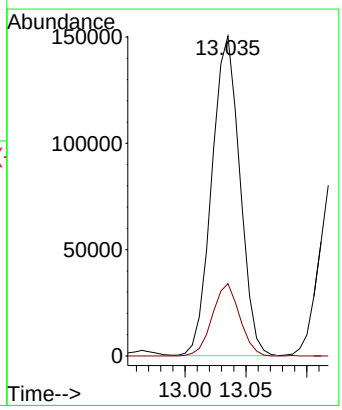


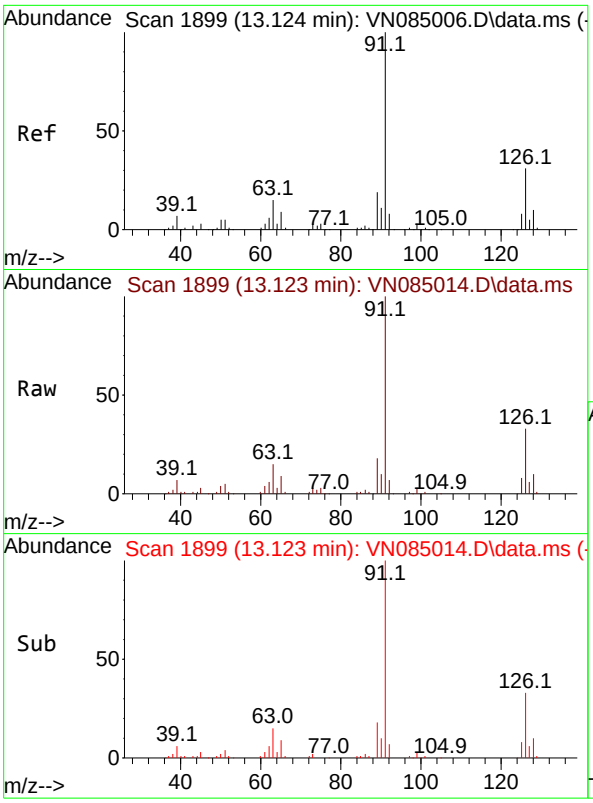


#78
n-propylbenzene
Concen: 22.425 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 91 Resp: 241081

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.3	33.9



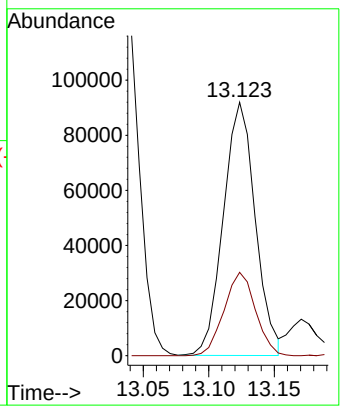


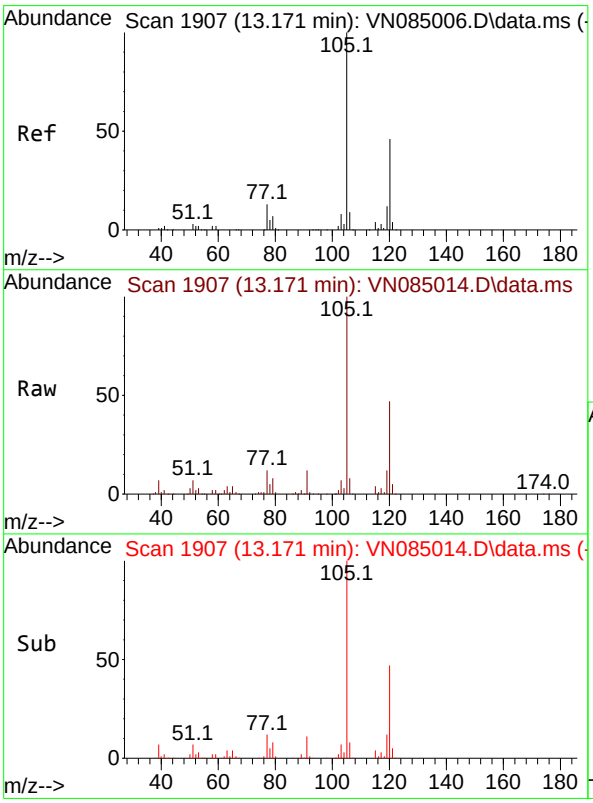
#79
2-Chlorotoluene
Concen: 21.706 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion: 91 Resp: 155771

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.1	48.3

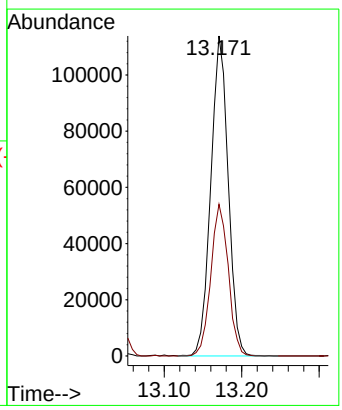


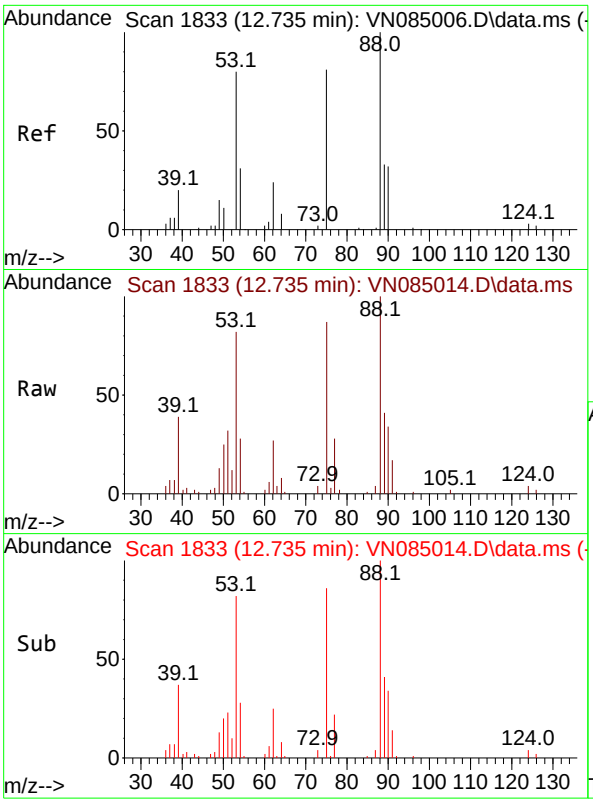


#80
1,3,5-Trimethylbenzene
Concen: 22.692 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:105 Resp: 177473

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.6	71.0



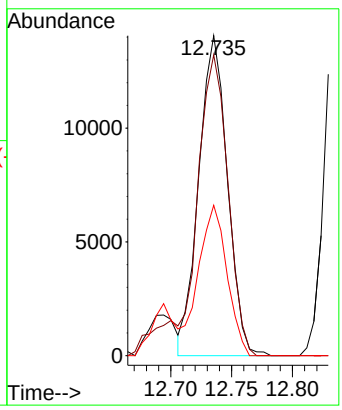


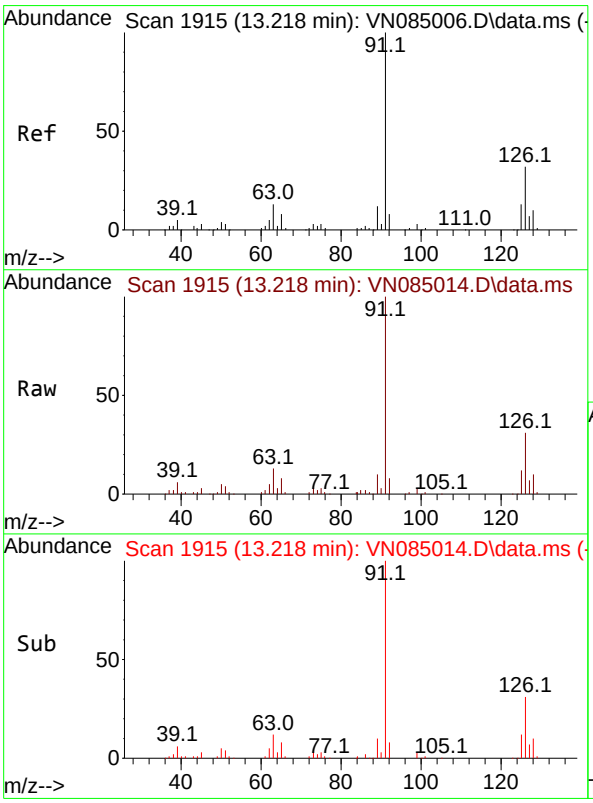
#81
trans-1,4-Dichloro-2-butene
Concen: 21.175 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion: 75 Resp: 23051

Ion	Ratio	Lower	Upper
75	100		
53	108.1	78.2	117.4
89	47.2	37.9	56.9

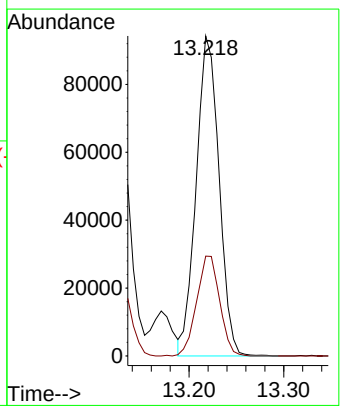


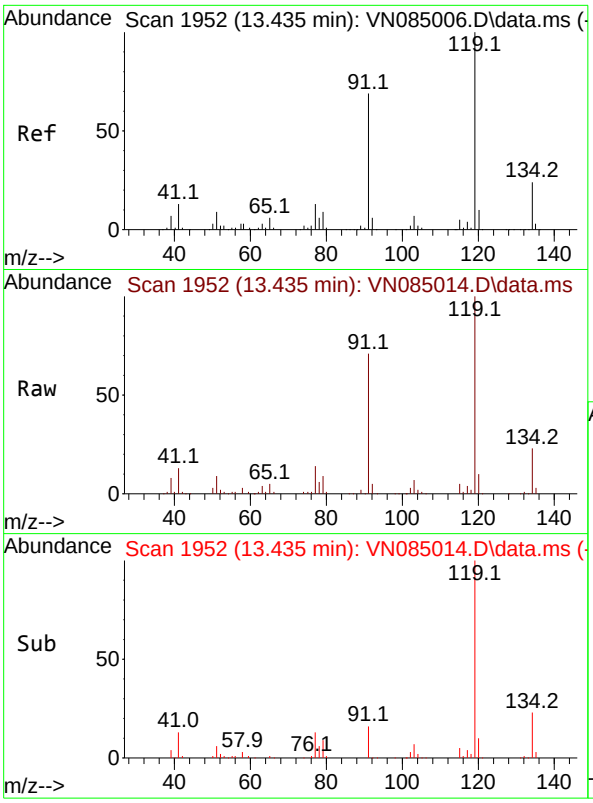


#82
4-Chlorotoluene
Concen: 21.193 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 91 Resp: 158323

Ion	Ratio	Lower	Upper
91	100		
126	31.4	16.1	48.3



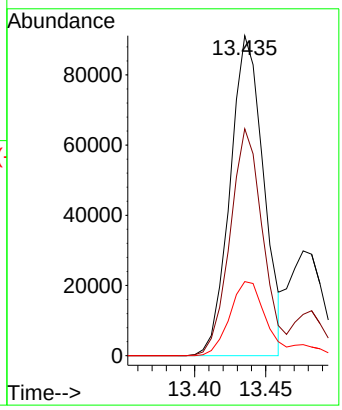


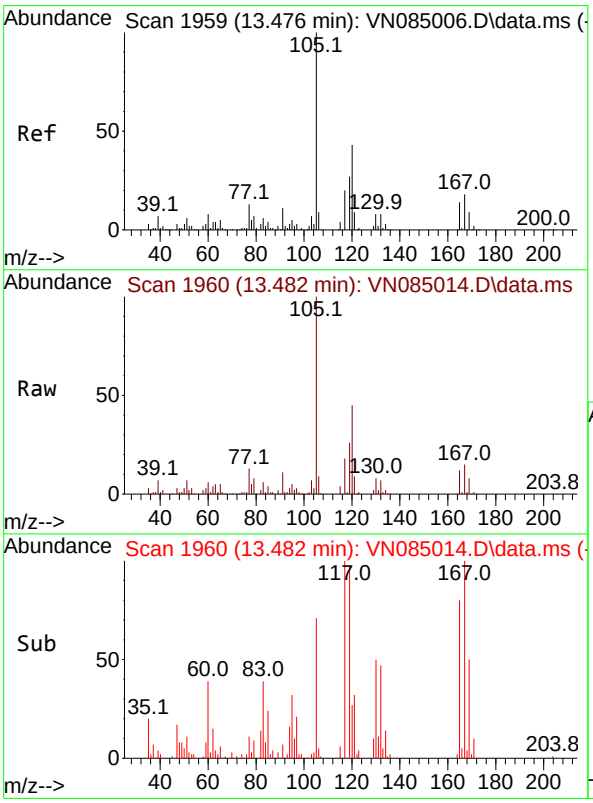
#83
tert-Butylbenzene
Concen: 22.181 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion:119 Resp: 149265

Ion	Ratio	Lower	Upper
119	100		
91	69.7	35.1	105.5
134	27.2	12.1	36.3

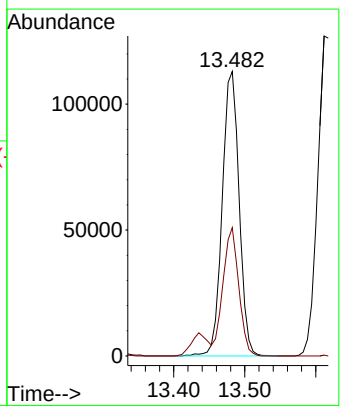


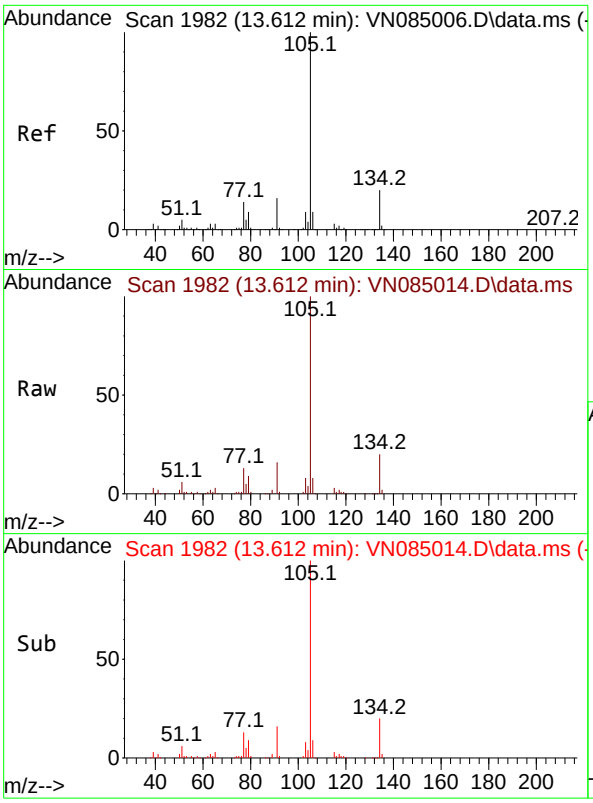


#84
1,2,4-Trimethylbenzene
Concen: 23.082 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:105 Resp: 185826

Ion	Ratio	Lower	Upper
105	100		
120	42.5	21.8	65.4



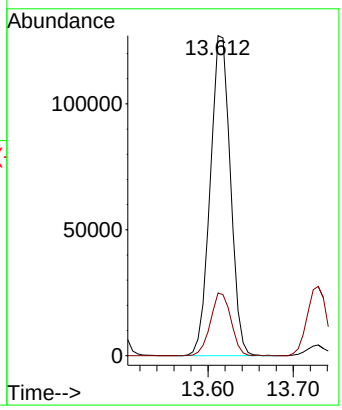


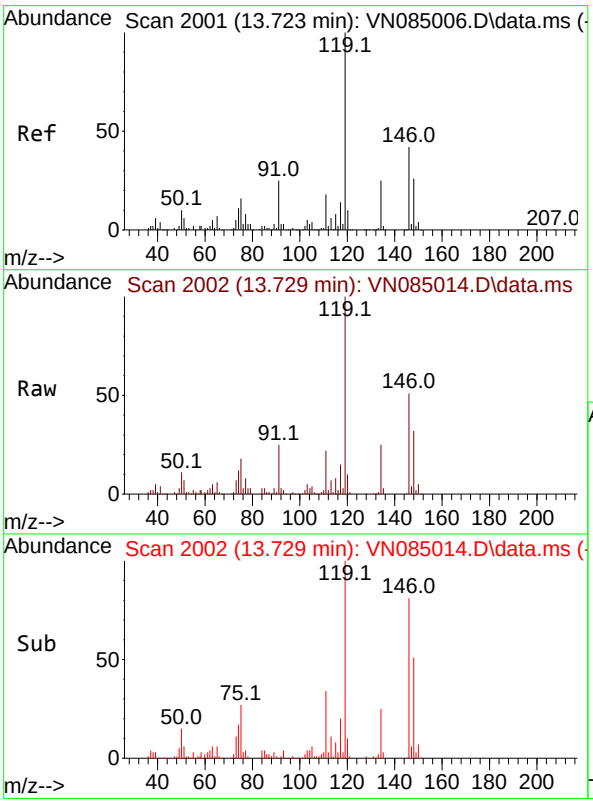
#85
sec-Butylbenzene
Concen: 22.952 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion:105 Resp: 208641

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.3

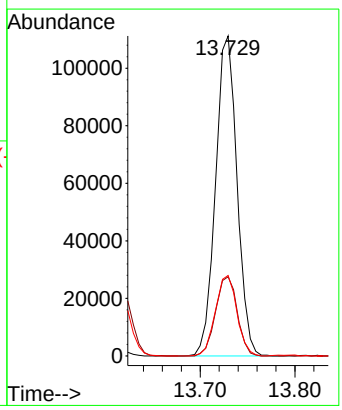


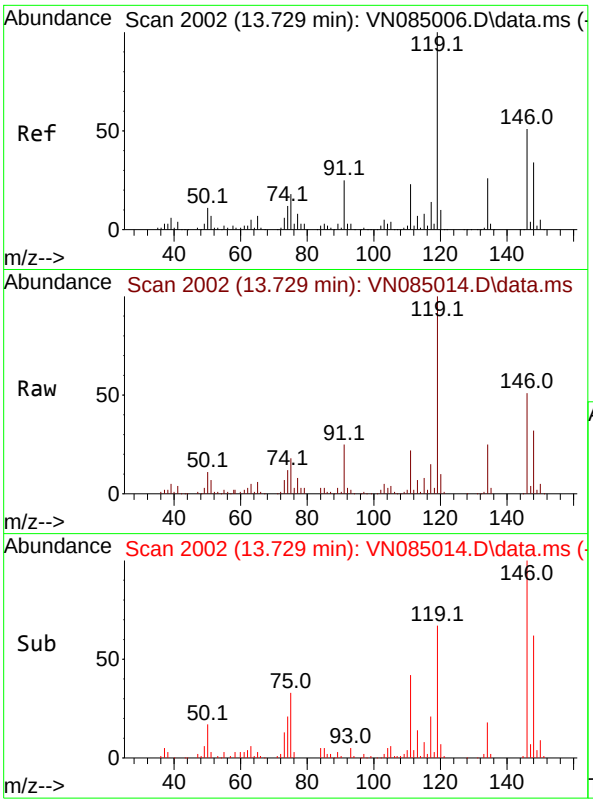


#86
p-Isopropyltoluene
Concen: 23.348 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:119 Resp: 175205

Ion	Ratio	Lower	Upper
119	100		
134	25.0	13.0	39.0
91	25.2	12.8	38.4



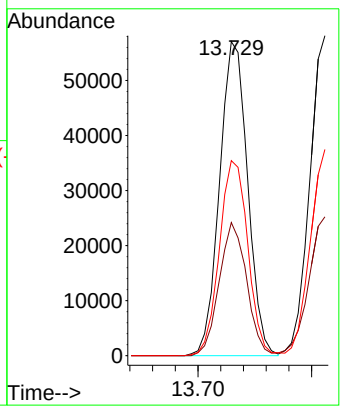


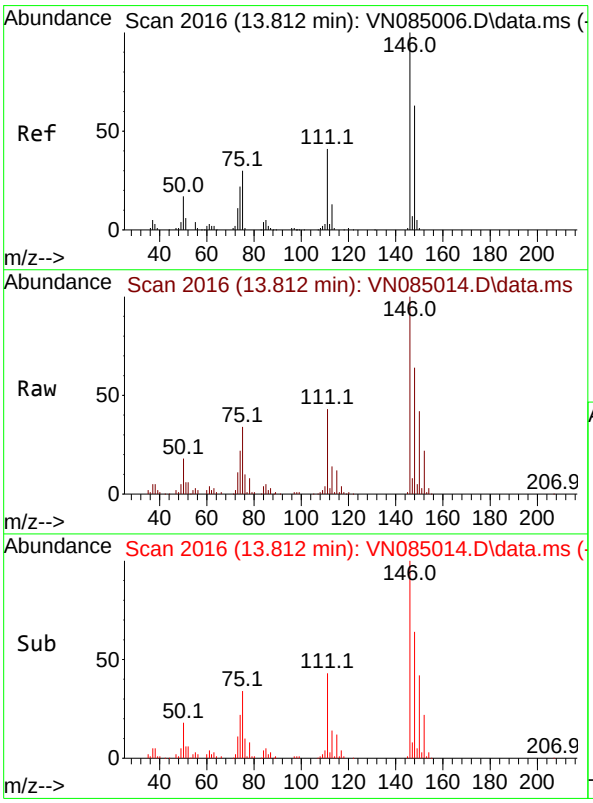
#87
1,3-Dichlorobenzene
Concen: 19.787 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion:146 Resp: 97891

Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.6	65.0
148	63.2	32.2	96.6

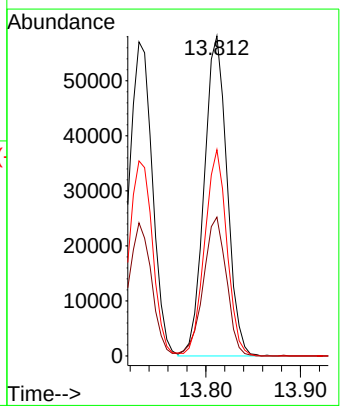


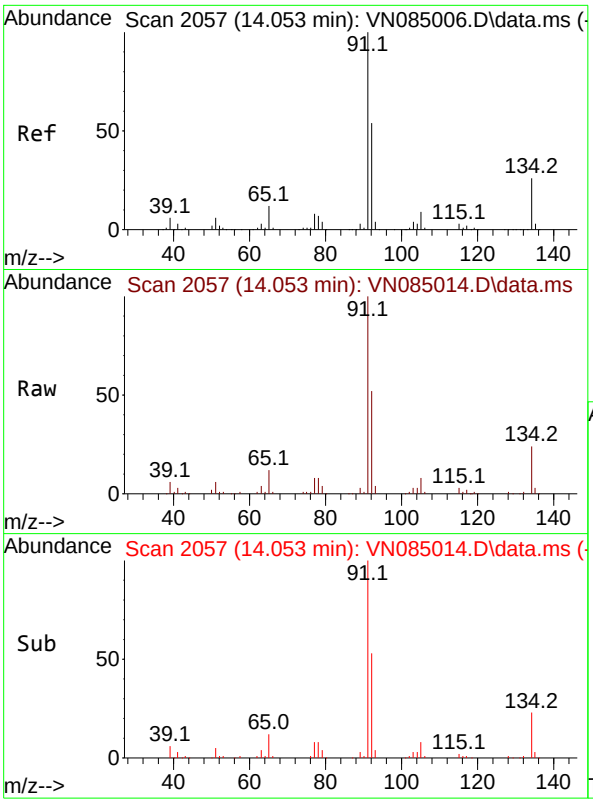


#88
1,4-Dichlorobenzene
Concen: 19.311 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:146 Resp: 97493

Ion	Ratio	Lower	Upper
146	100		
111	44.1	20.9	62.8
148	62.6	31.3	93.9



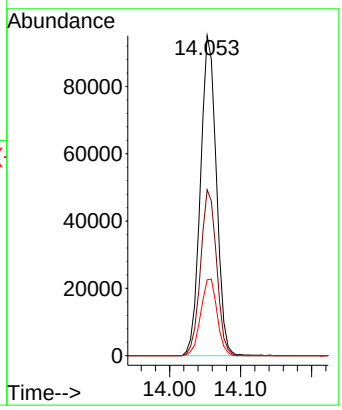


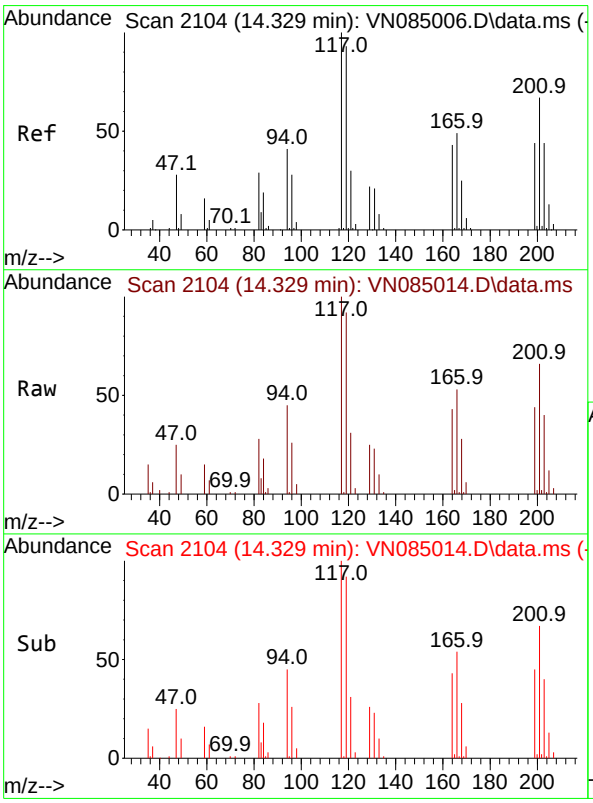
#89
n-Butylbenzene
Concen: 21.267 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion: 91 Resp: 148417

Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.8	80.3
134	24.6	12.8	38.4

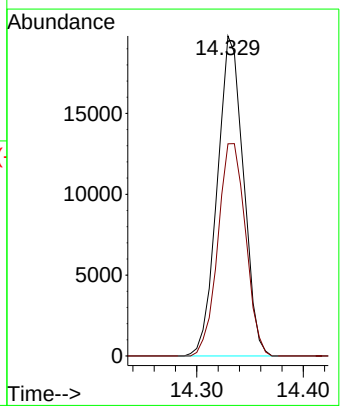


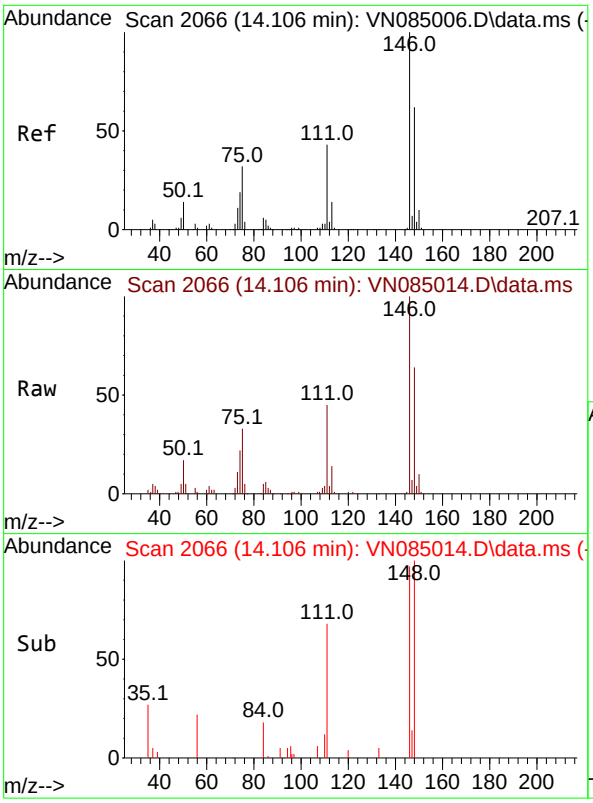


#90
Hexachloroethane
Concen: 20.589 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:117 Resp: 33677

Ion	Ratio	Lower	Upper
117	100		
201	70.4	35.2	105.6



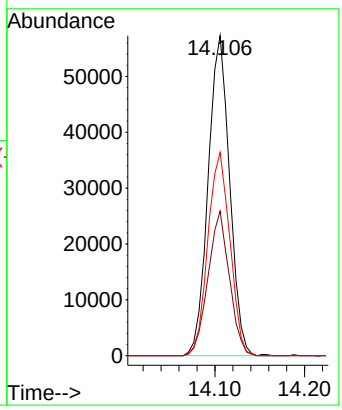


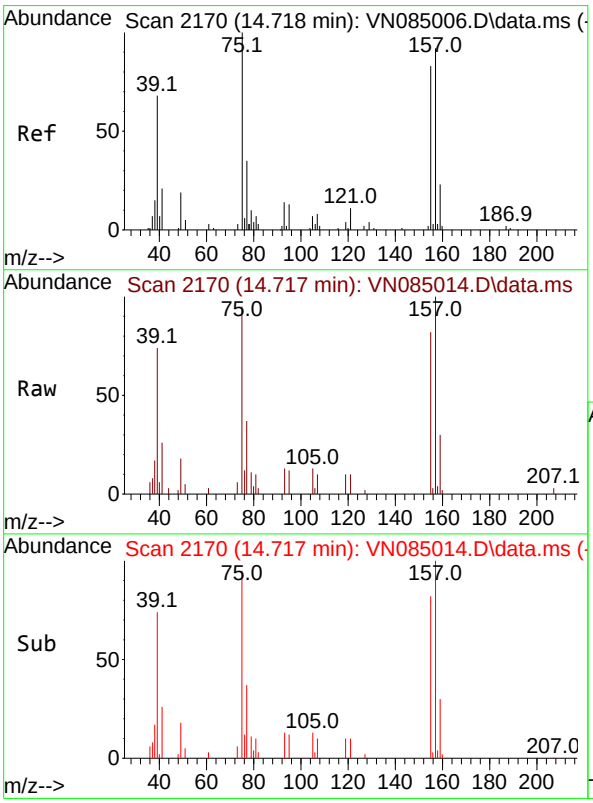
#91
1,2-Dichlorobenzene
Concen: 20.057 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion:146 Resp: 95083

Ion	Ratio	Lower	Upper
146	100		
111	45.0	21.9	65.8
148	65.2	31.1	93.2

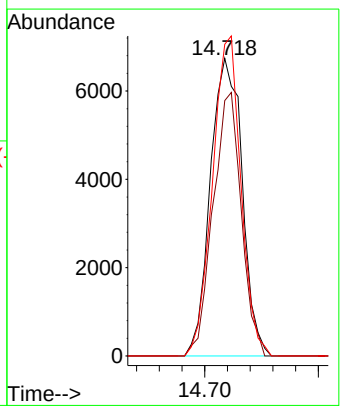


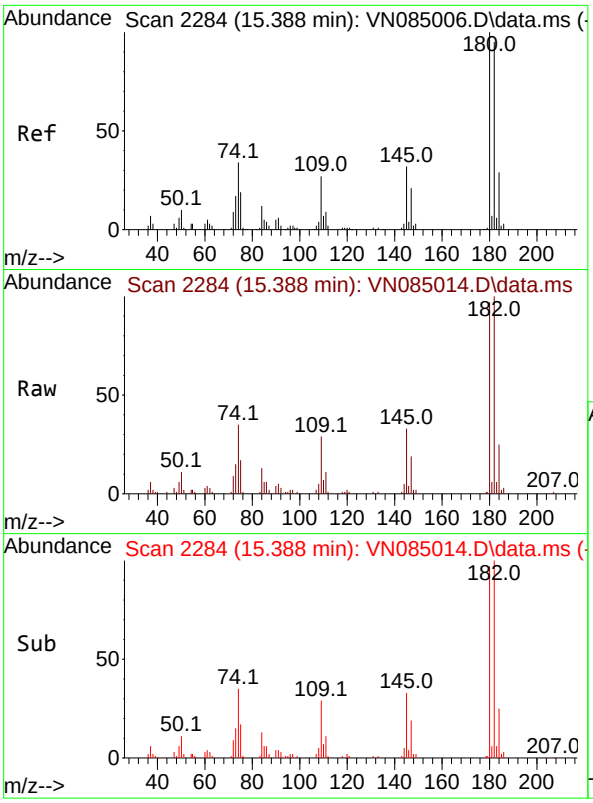


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.222 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion: 75 Resp: 13061

Ion	Ratio	Lower	Upper
75	100		
155	79.1	38.9	116.7
157	96.5	48.3	144.9



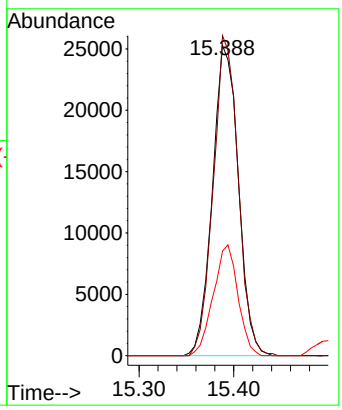


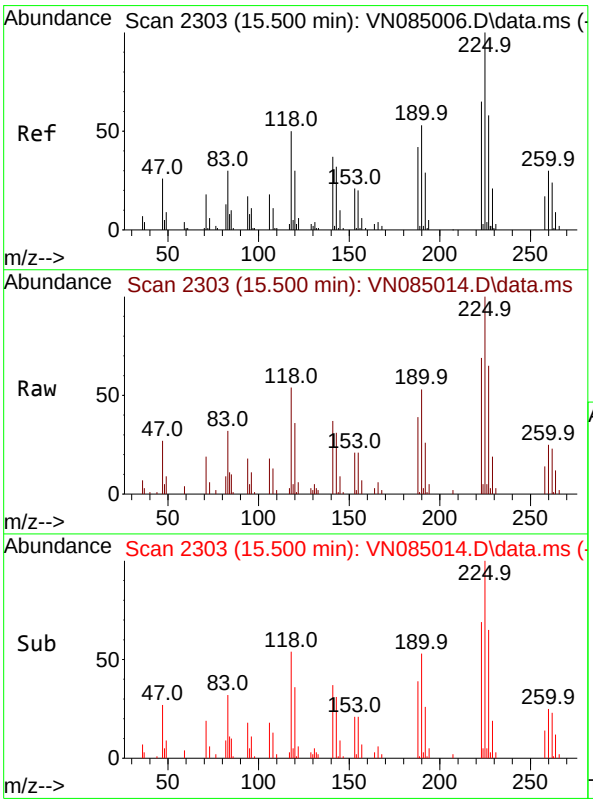
#93
1,2,4-Trichlorobenzene
Concen: 18.648 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion:180 Resp: 48028

Ion	Ratio	Lower	Upper
180	100		
182	99.0	46.9	140.8
145	34.0	16.3	48.8

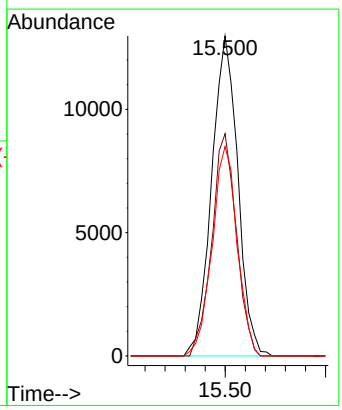


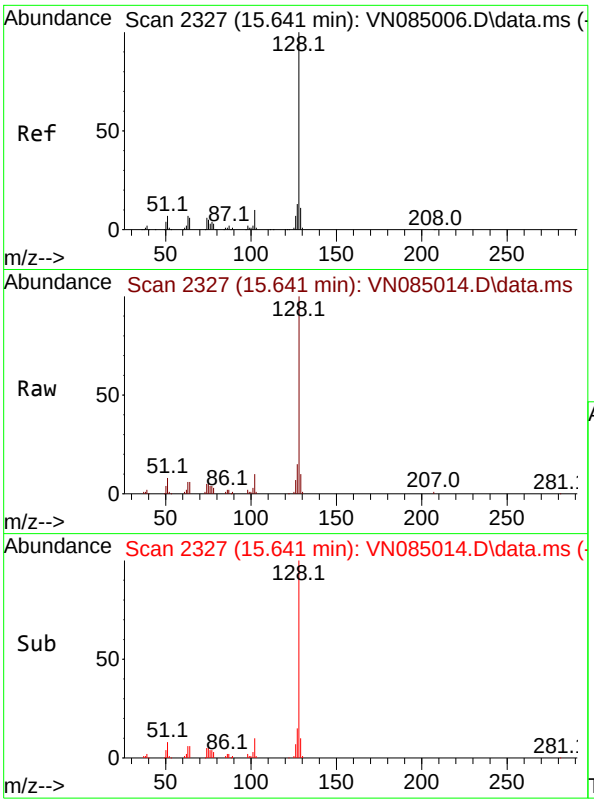


#94
Hexachlorobutadiene
Concen: 19.747 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:225 Resp: 23471

Ion	Ratio	Lower	Upper
225	100		
223	65.3	30.9	92.8
227	62.9	31.5	94.5



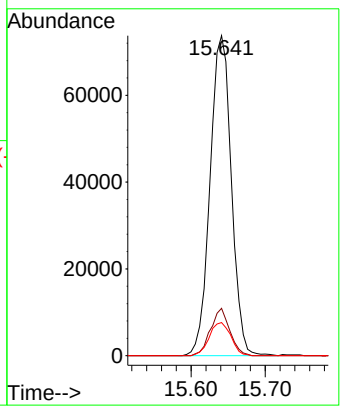


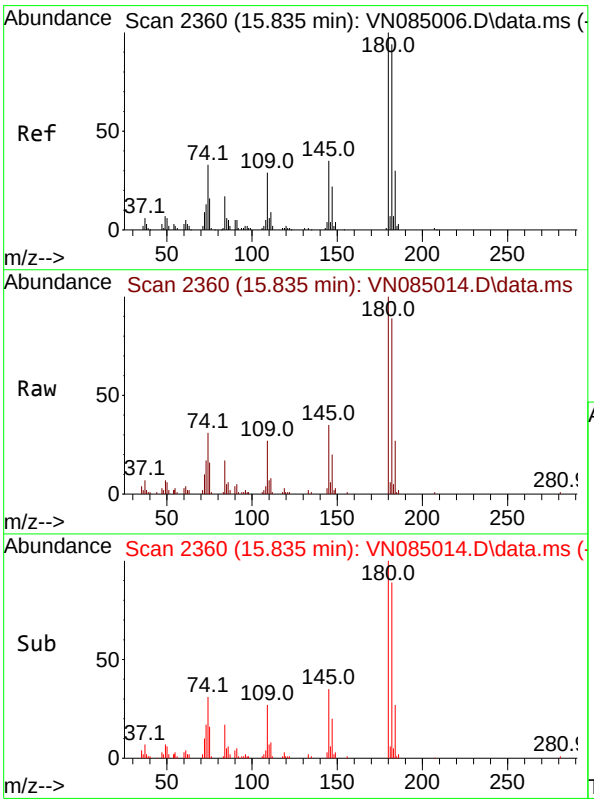
#95
Naphthalene
Concen: 20.078 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tgt Ion:128 Resp: 147280

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	10.5	8.6	12.8

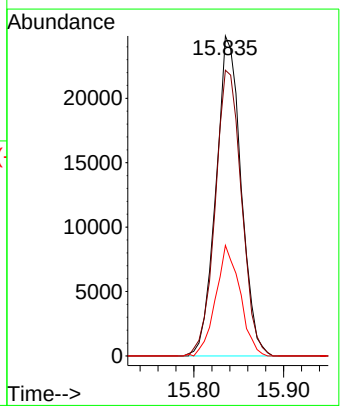




#96
1,2,3-Trichlorobenzene
Concen: 19.684 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085014.D
Acq: 22 Nov 2024 18:05

Tgt Ion:180 Resp: 48372

Ion	Ratio	Lower	Upper
180	100		
182	93.3	46.4	139.2
145	33.4	17.3	52.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085016.D
Acq On : 22 Nov 2024 19:17
Operator : JC\MD
Sample : P4845-21
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Quant Time: Nov 23 03:25:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	152210	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	264627	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	222942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	99476	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	109942	50.708	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.420%			
35) Dibromofluoromethane	8.159	113	86430	48.432	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.860%			
50) Toluene-d8	10.565	98	305909	47.832	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.660%			
62) 4-Bromofluorobenzene	12.847	95	109809	45.913	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.820%			
Target Compounds						Qvalue
3) Chloromethane	2.348	50	691	0.346	ug/l #	40
5) Bromomethane	2.906	94	572	0.569	ug/l #	80
11) Tert butyl alcohol	5.500	59	607	2.095	ug/l #	75
13) Acrolein	4.183	56	54	0.279	ug/l #	16
16) Acetone	4.436	43	1636	2.591	ug/l #	43
17) Carbon Disulfide	4.706	76	2245	0.471	ug/l #	77
18) Methyl Acetate	5.018	43	1255	Below Cal	#	59
21) trans-1,2-Dichloroethene	5.783	96	387	0.228	ug/l #	51
31) Cyclohexane	8.218	56	3466	1.200	ug/l #	18
32) 1,1,1-Trichloroethane	8.159	97	8990	2.851	ug/l #	52
36) 1,1-Dichloropropene	8.224	75	12620	5.221	ug/l #	50
38) Carbon Tetrachloride	8.359	117	727	0.261	ug/l #	60
39) Methylcyclohexane	9.347	83	2493	0.993	ug/l #	1
44) Trichloroethene	9.347	130	205953	115.921	ug/l	94
45) 1,2-Dichloropropane	9.347	63	538	0.286	ug/l #	1
53) t-1,3-Dichloropropene	10.835	75	1095	0.394	ug/l #	77
59) 2-Hexanone	11.200	43	814	0.522	ug/l	69
64) Tetrachloroethene	11.094	164	1116	0.743	ug/l #	73
65) Chlorobenzene	11.894	112	2367	0.468	ug/l #	67
67) Ethyl Benzene	11.965	91	2890	0.352	ug/l #	81
68) m/p-Xylenes	12.059	106	2123	0.680	ug/l	99
70) Styrene	12.412	104	2323	0.470	ug/l	96
73) Isopropylbenzene	12.700	105	1944	0.277	ug/l	94
74) N-amyl acetate	12.494	43	810	0.280	ug/l #	54
76) 1,2,3-Trichloropropane	12.847	75	58203	32.167	ug/l #	1
77) Bromobenzene	12.976	156	1257	0.666	ug/l	90
78) n-propylbenzene	13.035	91	4245	0.524	ug/l	91
79) 2-Chlorotoluene	13.123	91	2644	0.489	ug/l	96
80) 1,3,5-Trimethylbenzene	13.164	105	1728	0.293	ug/l	80
81) trans-1,4-Dichloro-2-b...	12.847	75	58203	71.011	ug/l #	10
82) 4-Chlorotoluene	13.217	91	4423	0.786	ug/l	92
83) tert-Butylbenzene	13.441	119	1357	0.268	ug/l #	86
84) 1,2,4-Trimethylbenzene	13.476	105	2178	0.359	ug/l	99
85) sec-Butylbenzene	13.617	105	2677	0.391	ug/l	93
86) p-Isopropyltoluene	13.729	119	2258	0.400	ug/l	87
87) 1,3-Dichlorobenzene	13.735	146	3542	0.951	ug/l	93

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085016.D
Acq On : 22 Nov 2024 19:17
Operator : JC\MD
Sample : P4845-21
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Quant Time: Nov 23 03:25:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

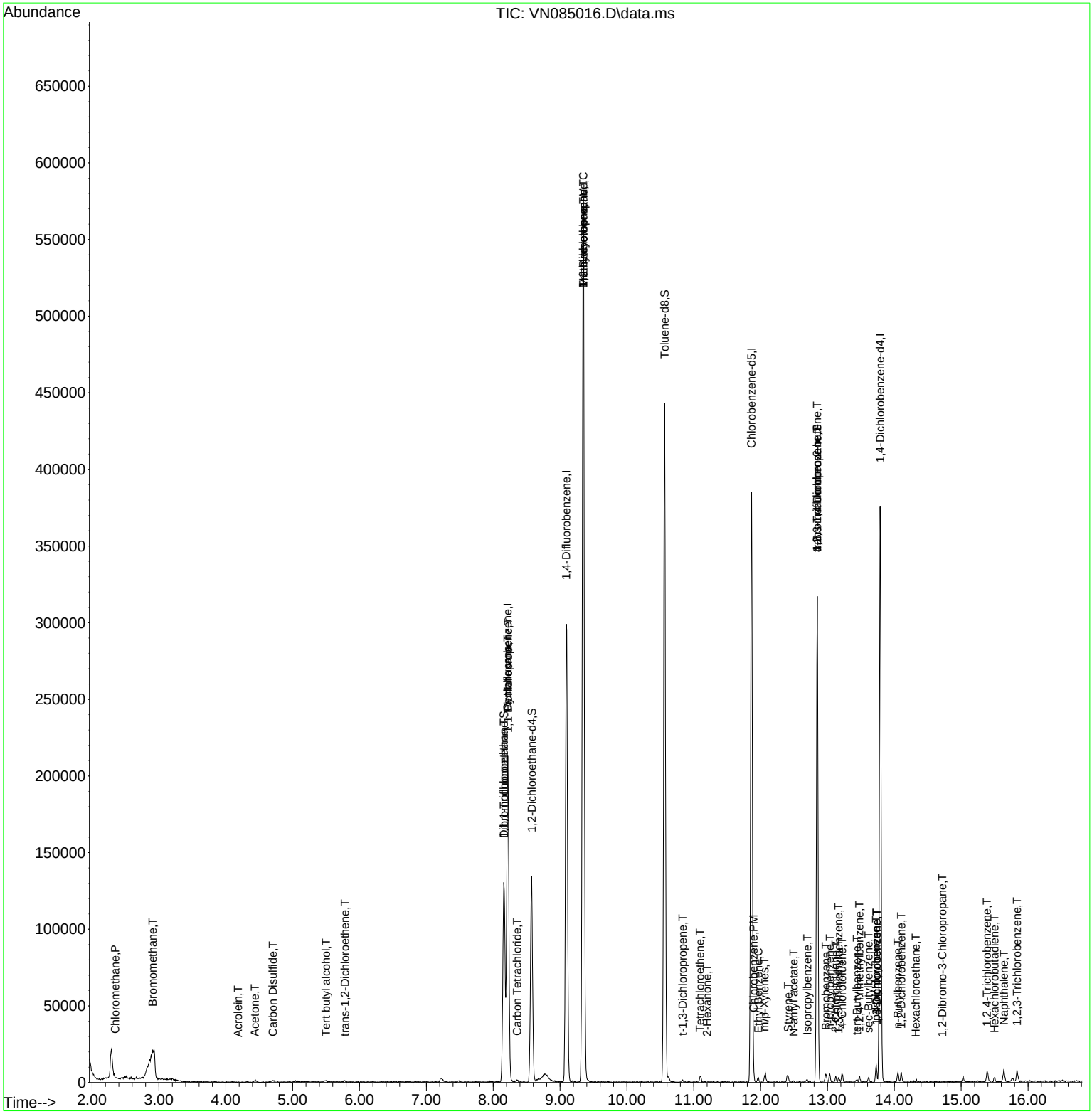
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
88) 1,4-Dichlorobenzene	13.735	146	3542	0.932	ug/l		93
89) n-Butylbenzene	14.053	91	4361	0.830	ug/l		92
90) Hexachloroethane	14.323	117	346	0.281	ug/l		73
91) 1,2-Dichlorobenzene	14.106	146	3116	0.873	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	142	0.306	ug/l	#	51
93) 1,2,4-Trichlorobenzene	15.388	180	2790	1.439	ug/l		92
94) Hexachlorobutadiene	15.500	225	769	0.859	ug/l		88
95) Naphthalene	15.641	128	7791	1.411	ug/l	#	90
96) 1,2,3-Trichlorobenzene	15.835	180	2827	1.528	ug/l		87

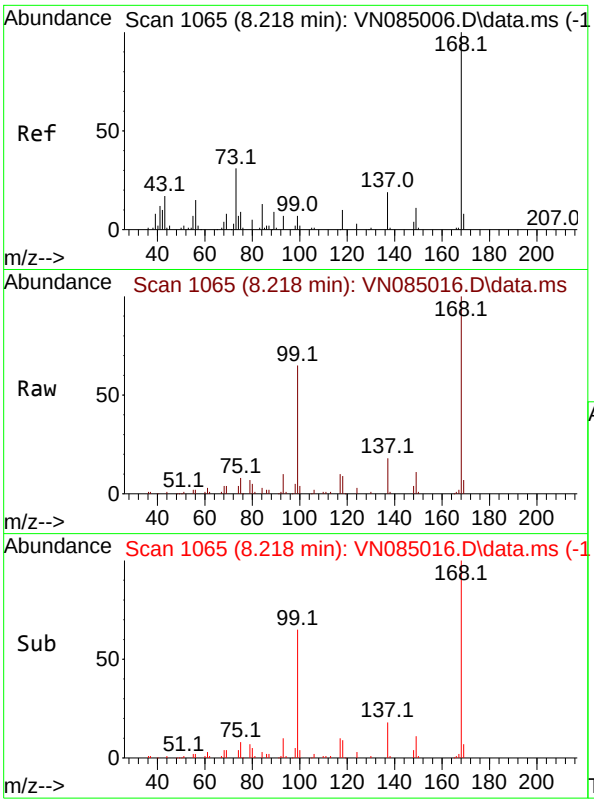
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085016.D
Acq On : 22 Nov 2024 19:17
Operator : JC\MD
Sample : P4845-21
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Quant Time: Nov 23 03:25:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



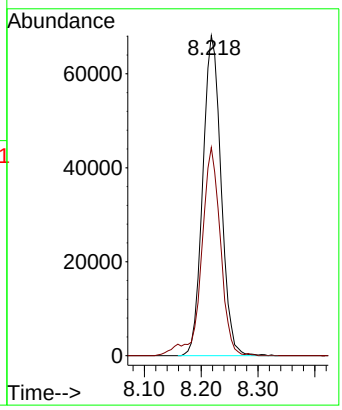


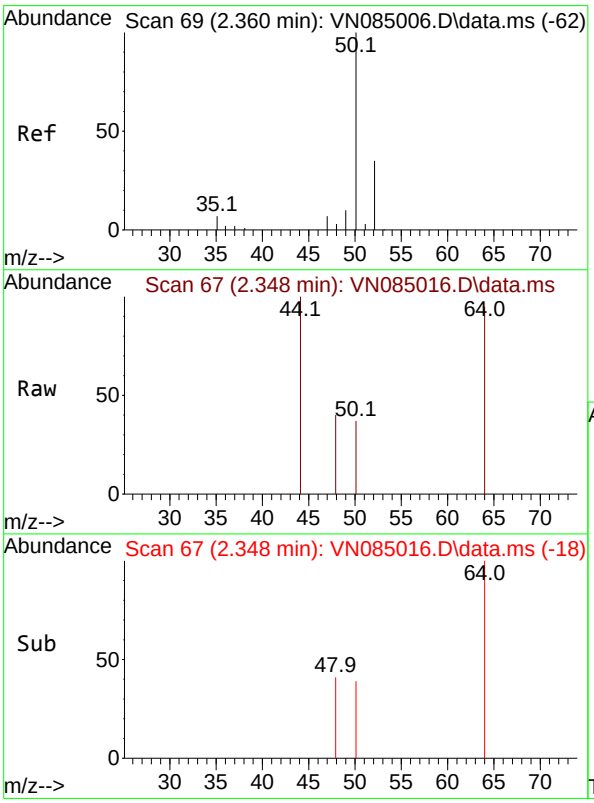
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Tgt Ion:168 Resp: 152210

Ion	Ratio	Lower	Upper
168	100		
99	65.0	51.2	76.8

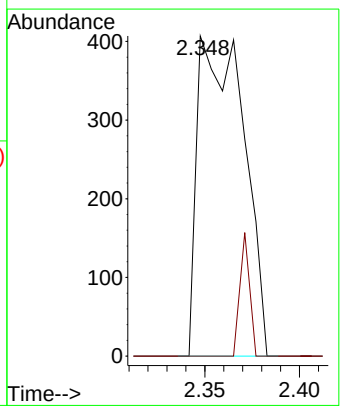


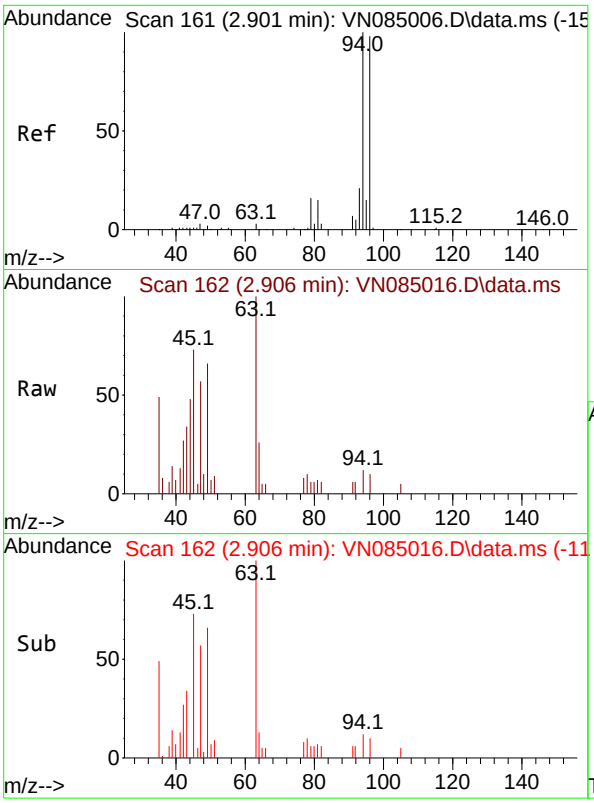


#3
Chloromethane
Concen: 0.346 ug/l
RT: 2.348 min Scan# 67
Delta R.T. -0.012 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Tgt Ion: 50 Resp: 691

Ion	Ratio	Lower	Upper
50	100		
52	0.0	27.8	41.8#



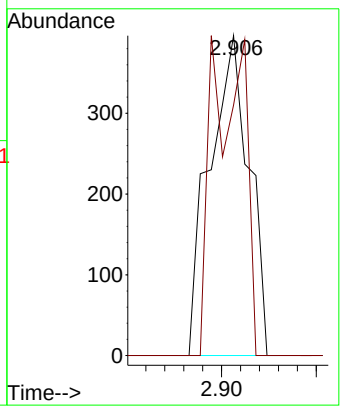


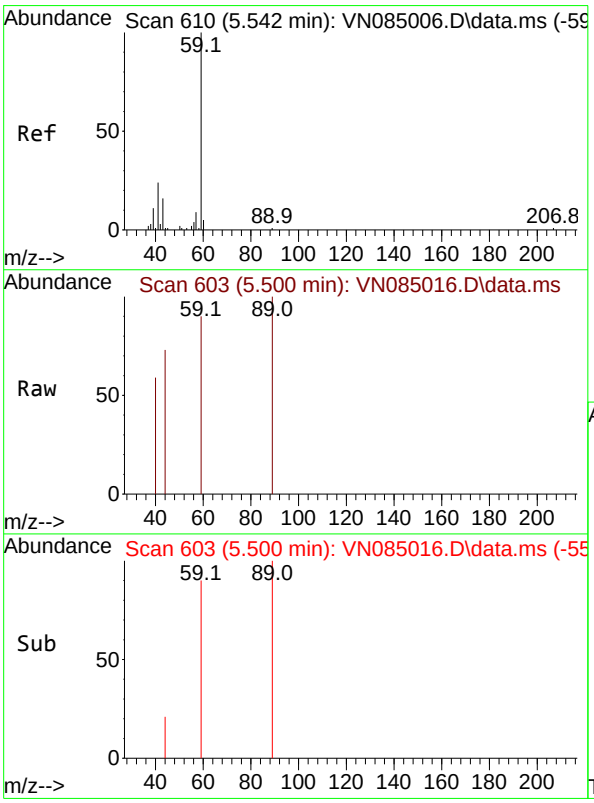
#5
Bromomethane
Concen: 0.569 ug/l
RT: 2.906 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Tgt Ion: 94 Resp: 572

Ion	Ratio	Lower	Upper
94	100		
96	78.3	78.7	118.1#

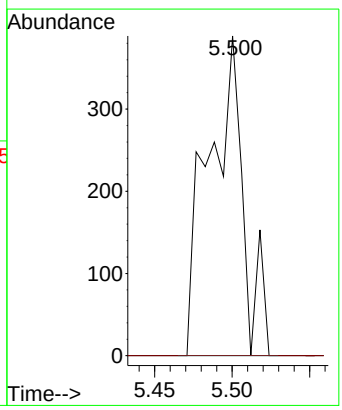


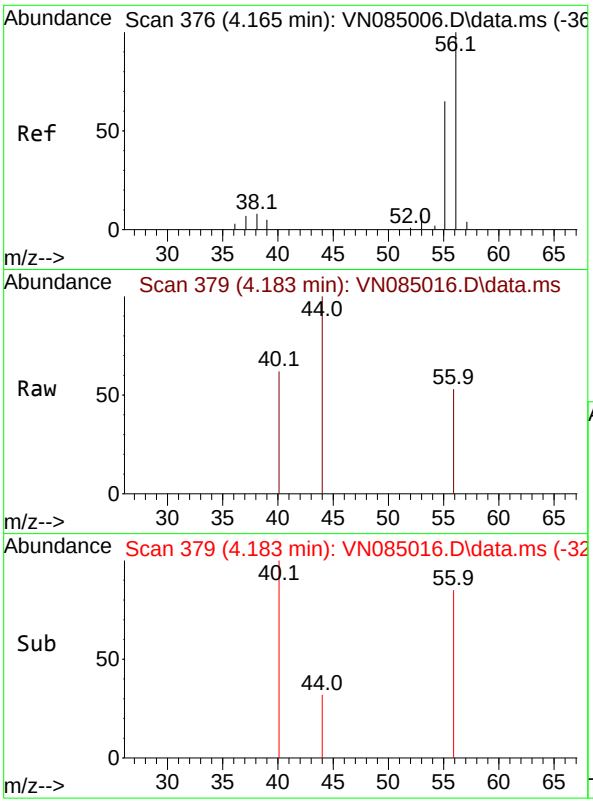


#11
Tert butyl alcohol
Concen: 2.095 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.041 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Tgt Ion: 59 Resp: 607

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.4	11.0#



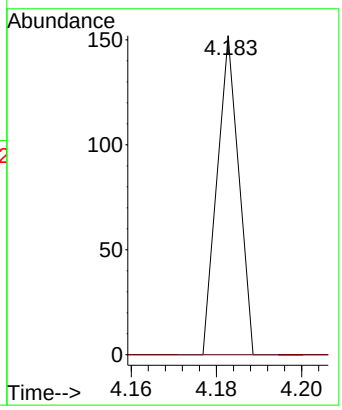


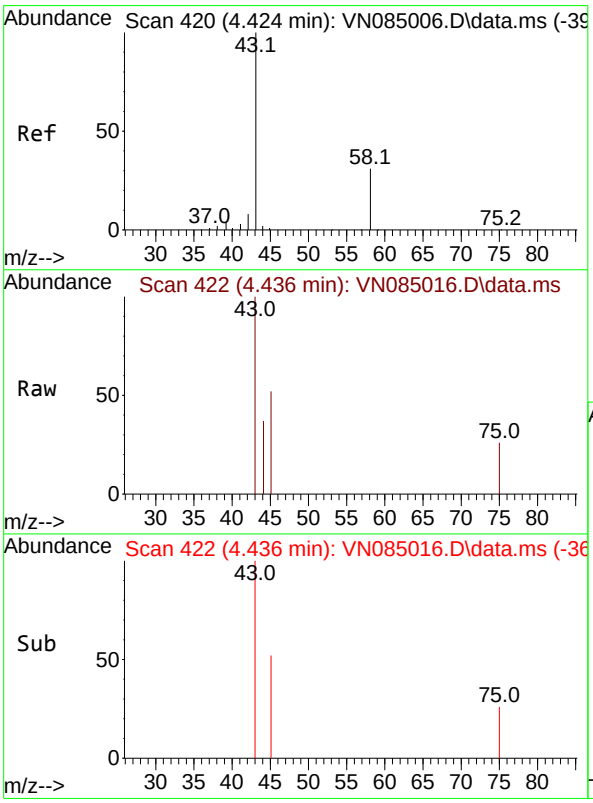
#13
Acrolein
Concen: 0.279 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.017 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Tgt Ion: 56 Resp: 54

Ion	Ratio	Lower	Upper
56	100		
55	0.0	54.5	81.7#

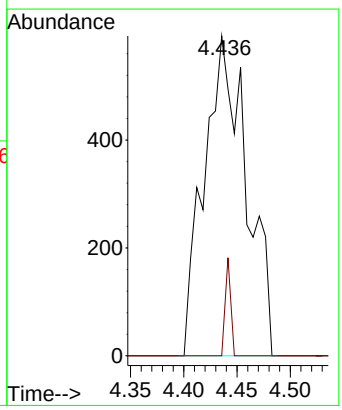


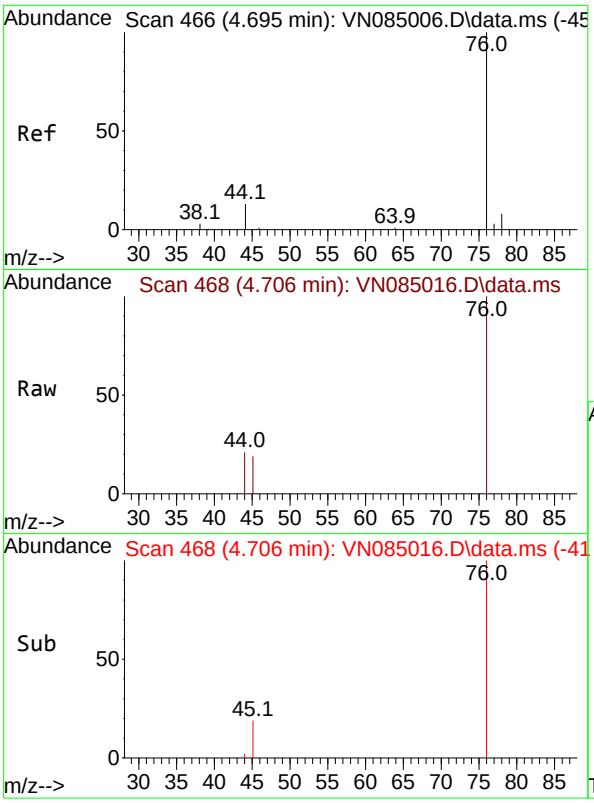


#16
Acetone
Concen: 2.591 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Tgt Ion: 43 Resp: 1636

Ion	Ratio	Lower	Upper
43	100		
58	0.0	25.4	38.2#



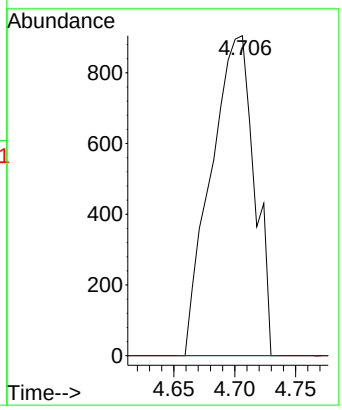


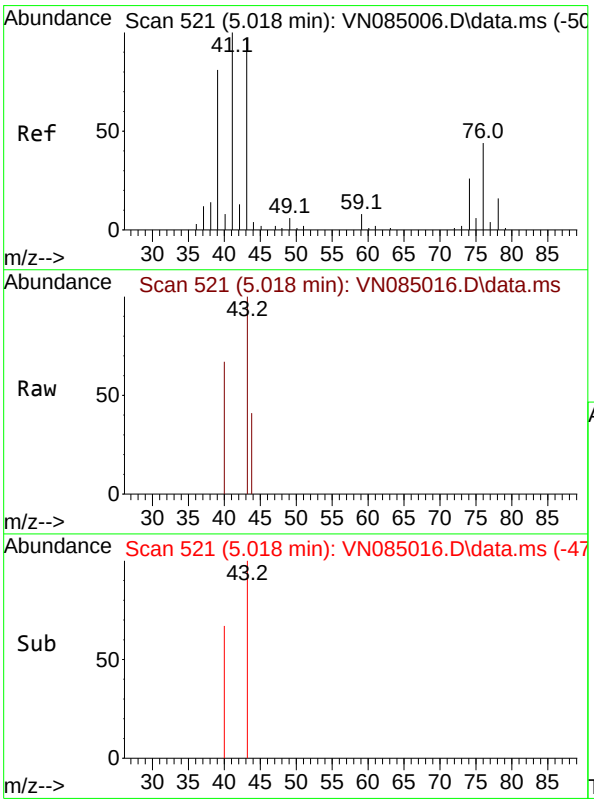
#17
Carbon Disulfide
Concen: 0.471 ug/l
RT: 4.706 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Tgt Ion: 76 Resp: 2245

Ion	Ratio	Lower	Upper
76	100		
78	0.0	6.5	9.7#

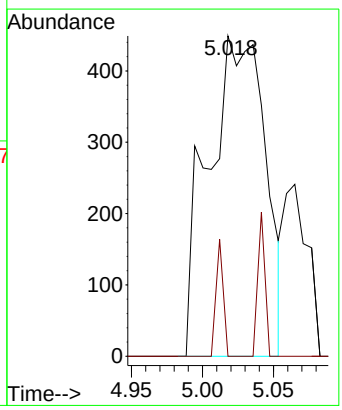


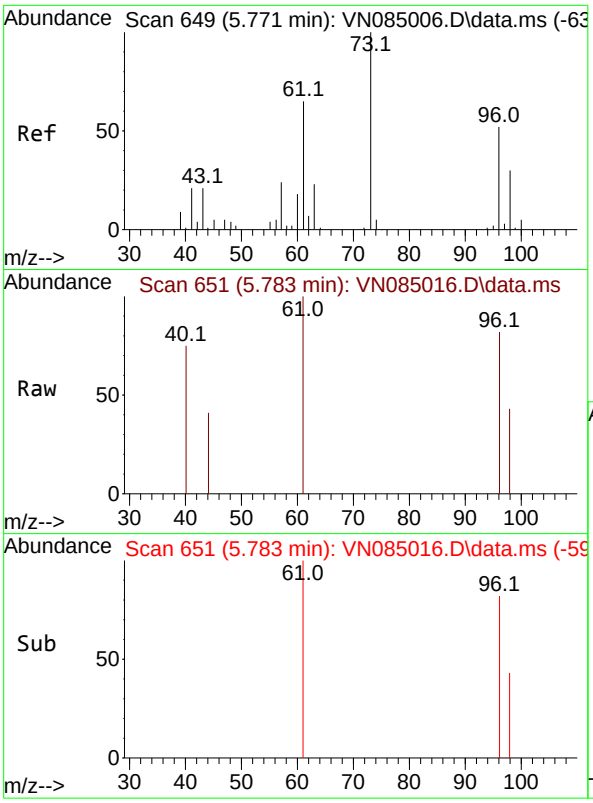


#18
Methyl Acetate
Concen: Below Cal
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Tgt Ion: 43 Resp: 1255

Ion	Ratio	Lower	Upper
43	100		
74	4.6	20.1	30.1#



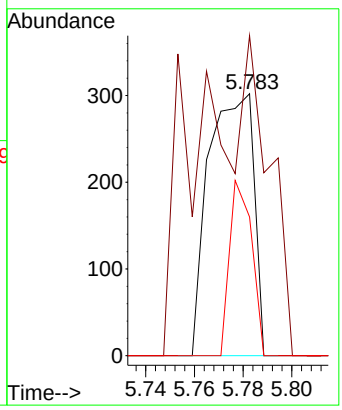


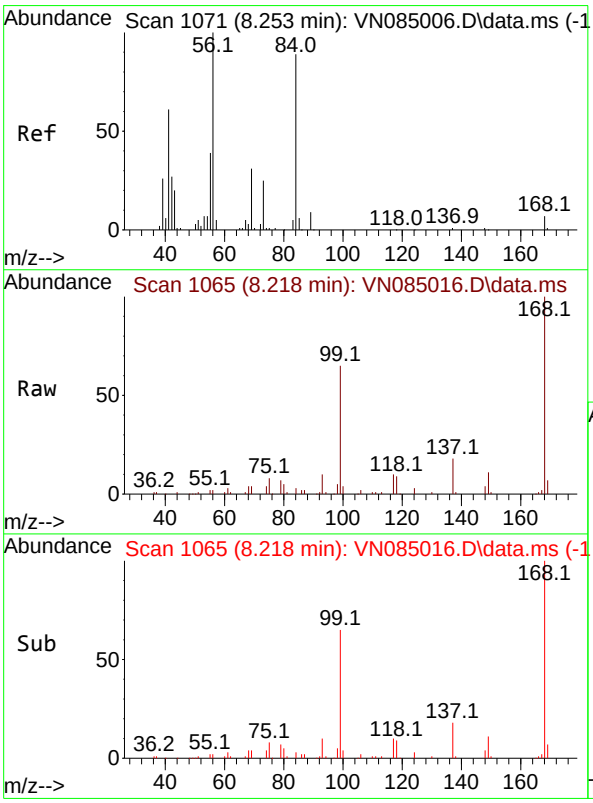
#21
trans-1,2-Dichloroethene
Concen: 0.228 ug/l
RT: 5.783 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Tgt Ion: 96 Resp: 387

Ion	Ratio	Lower	Upper
96	100		
61	46.7	100.7	151.1#
98	53.0	45.8	68.6

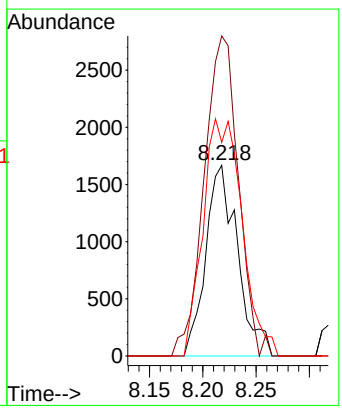


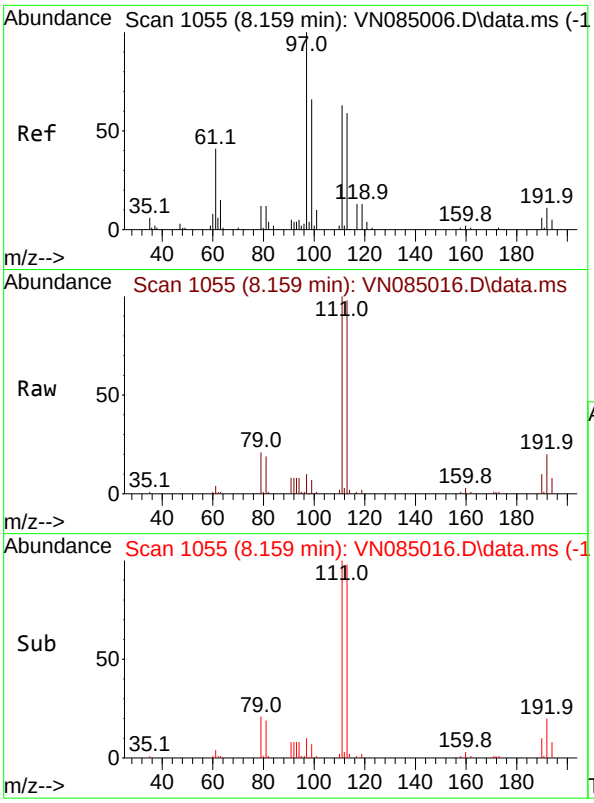


#31
Cyclohexane
Concen: 1.200 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Tgt Ion: 56 Resp: 3466

Ion	Ratio	Lower	Upper
56	100		
69	167.9	24.6	36.8#
84	112.1	71.4	107.2#



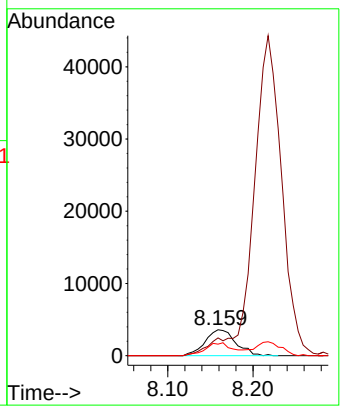


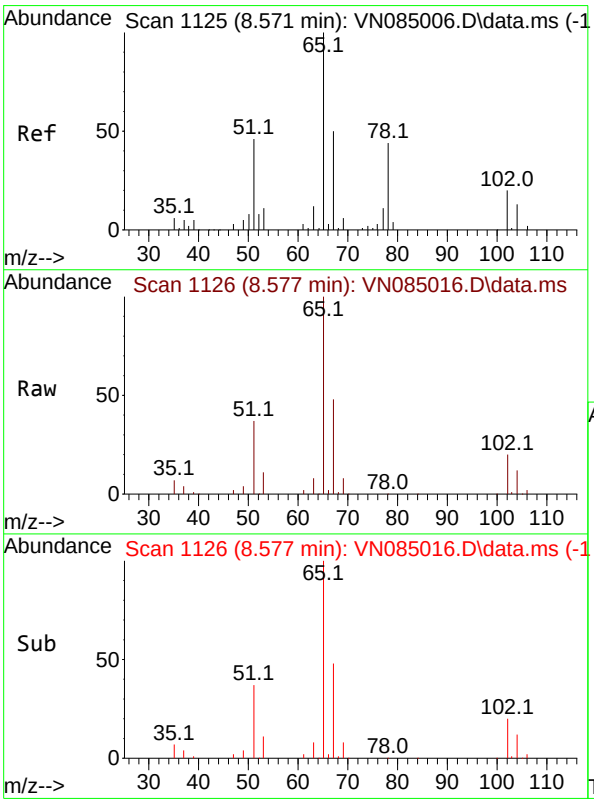
#32
1,1,1-Trichloroethane
Concen: 2.851 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Tgt Ion: 97 Resp: 8990

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.0	76.4#
61	45.1	36.2	54.2

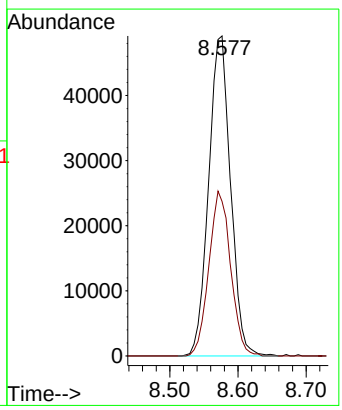


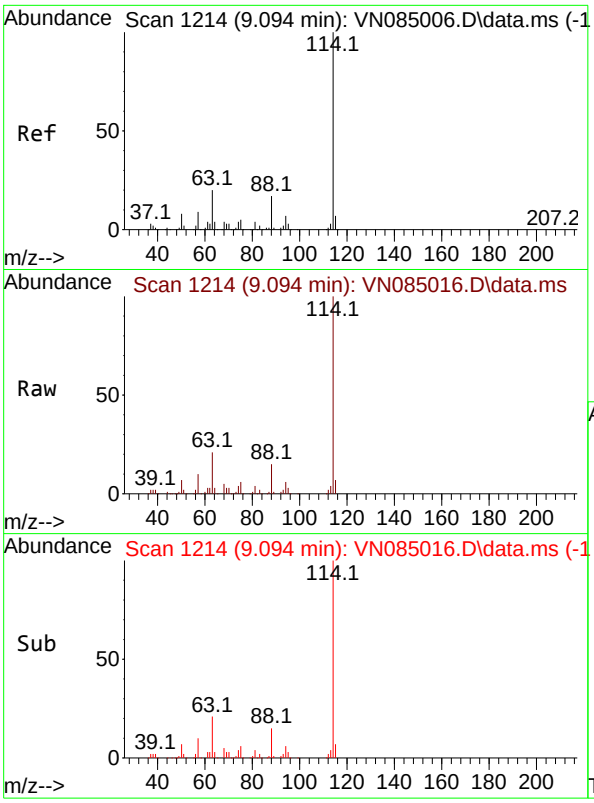


#33
1,2-Dichloroethane-d4
Concen: 50.708 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Tgt Ion: 65 Resp: 109942

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	105.0



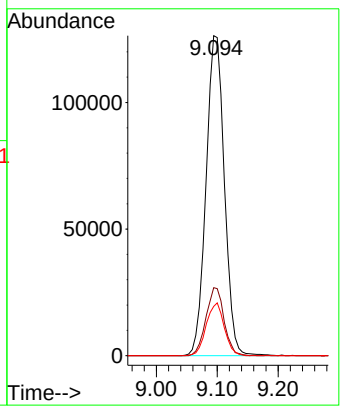


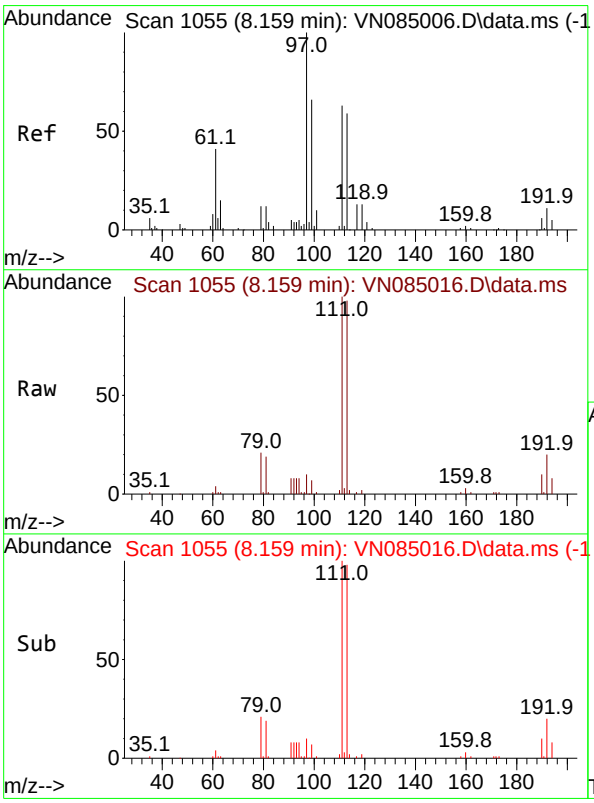
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Tgt Ion:114 Resp: 264627

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	41.0
88	15.4	0.0	34.8

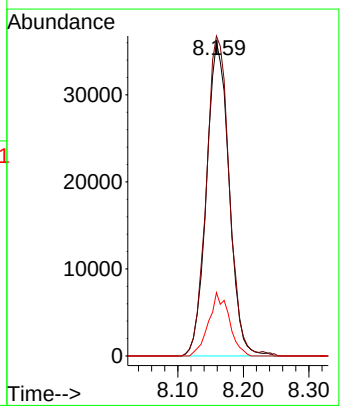


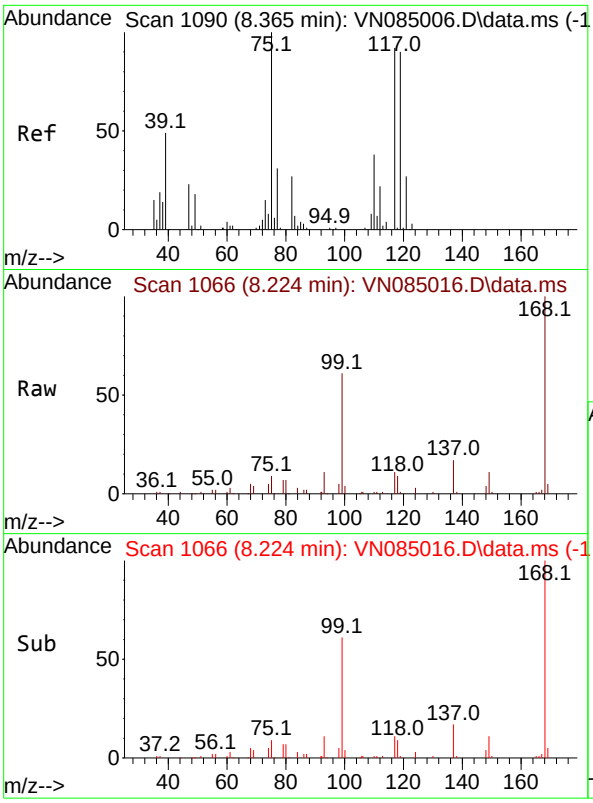


#35
Dibromofluoromethane
Concen: 48.432 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Tgt Ion:113 Resp: 86430

Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.0	123.0
192	18.4	14.8	22.2



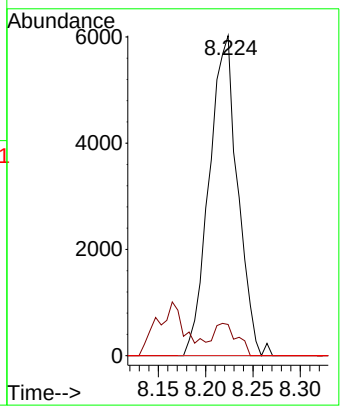


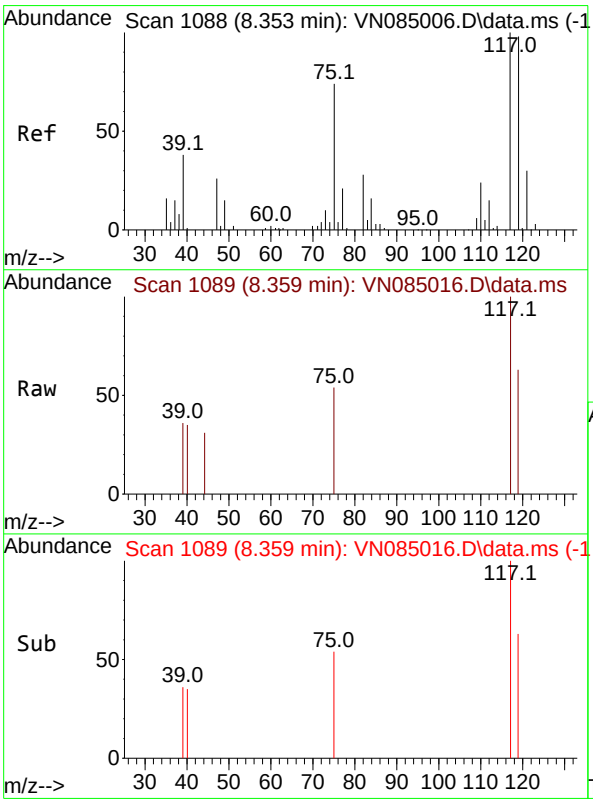
#36
1,1-Dichloropropene
Concen: 5.221 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.141 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Tgt Ion: 75 Resp: 12620

Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.2	51.6#
77	0.0	24.2	36.4#

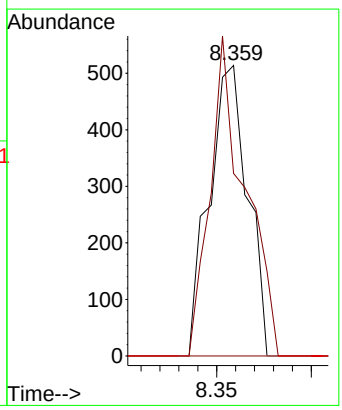


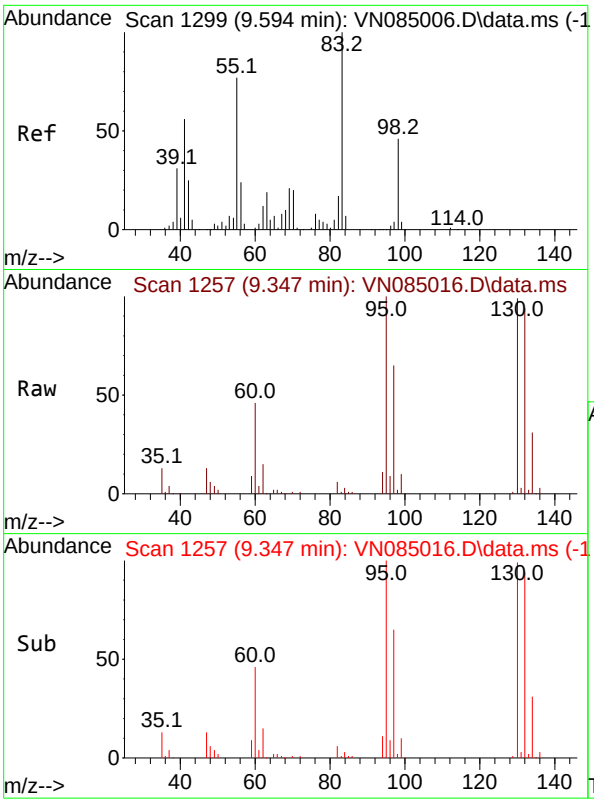


#38
Carbon Tetrachloride
Concen: 0.261 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Tgt Ion:117 Resp: 727

Ion	Ratio	Lower	Upper
117	100		
119	62.8	78.6	117.8#
121	0.0	24.2	36.2#



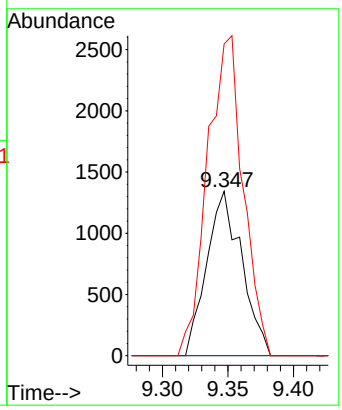


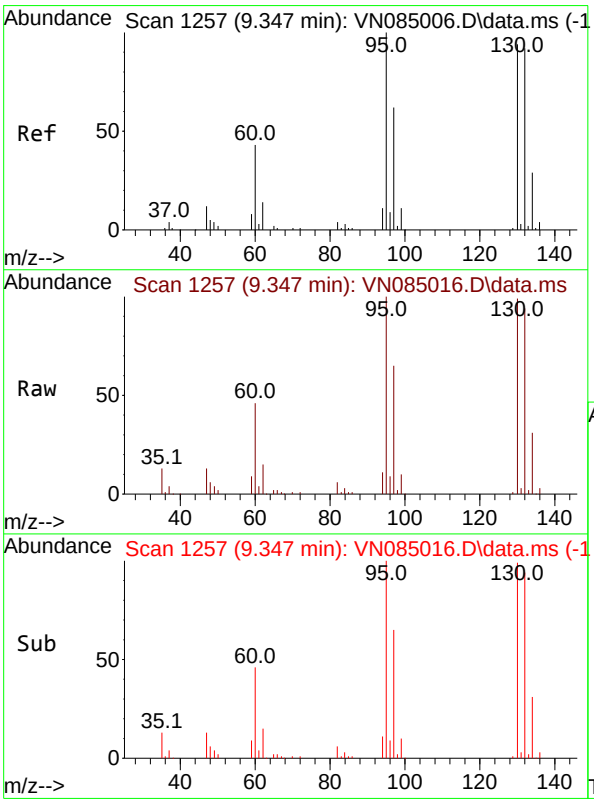
#39
Methylcyclohexane
Concen: 0.993 ug/l
RT: 9.347 min Scan# 1
Delta R.T. -0.247 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Tgt Ion: 83 Resp: 2493

Ion	Ratio	Lower	Upper
83	100		
55	0.0	61.8	92.6#
98	189.7	37.0	55.6#

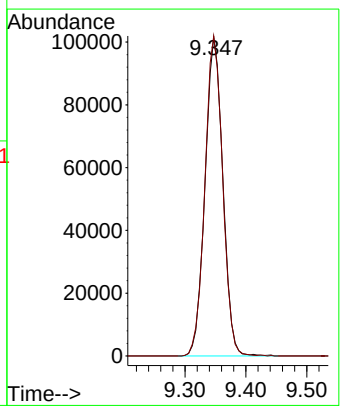


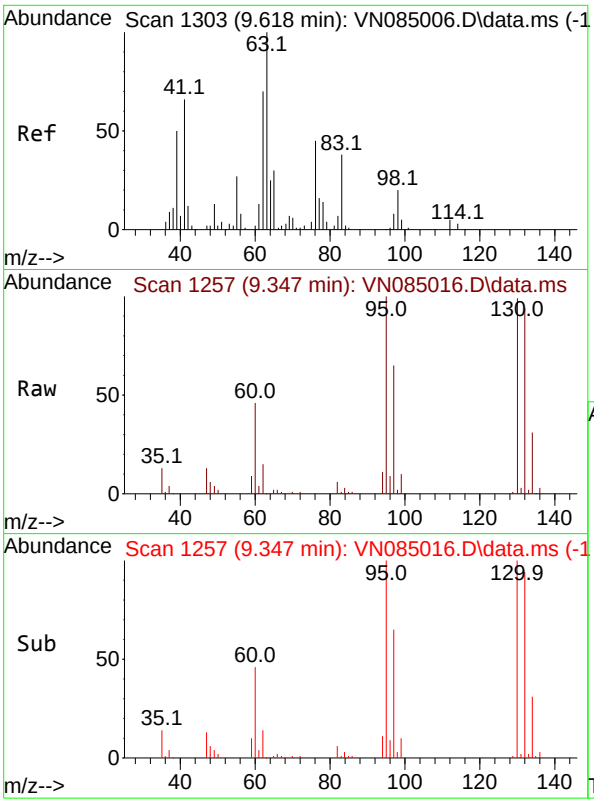


#44
Trichloroethene
Concen: 115.921 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Tgt Ion:130 Resp: 205953

Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	213.4



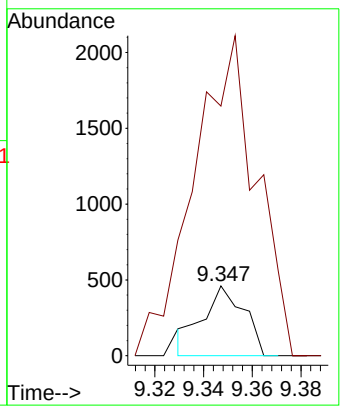


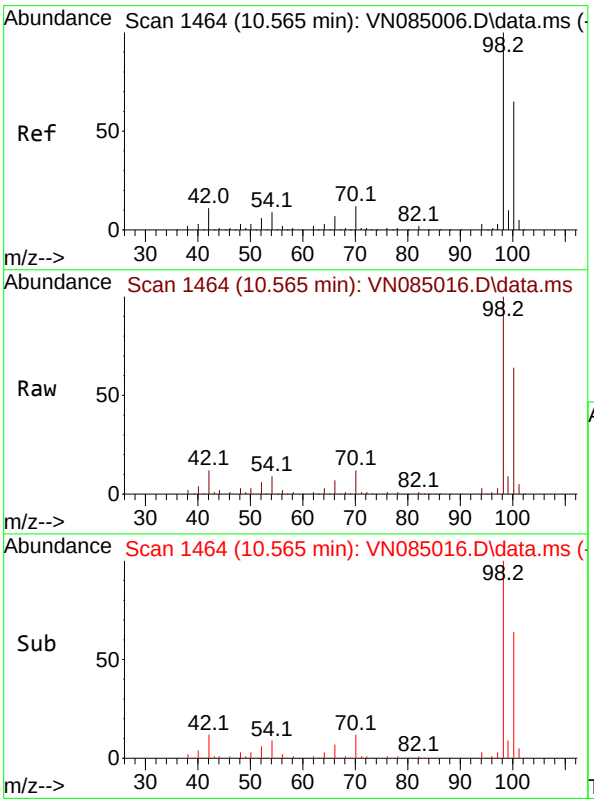
#45
1,2-Dichloropropane
Concen: 0.286 ug/l
RT: 9.347 min Scan# 1
Delta R.T. -0.271 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Tgt Ion: 63 Resp: 538

Ion	Ratio	Lower	Upper
63	100		
65	236.1	24.0	36.0#

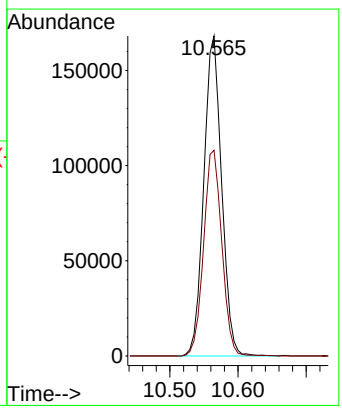


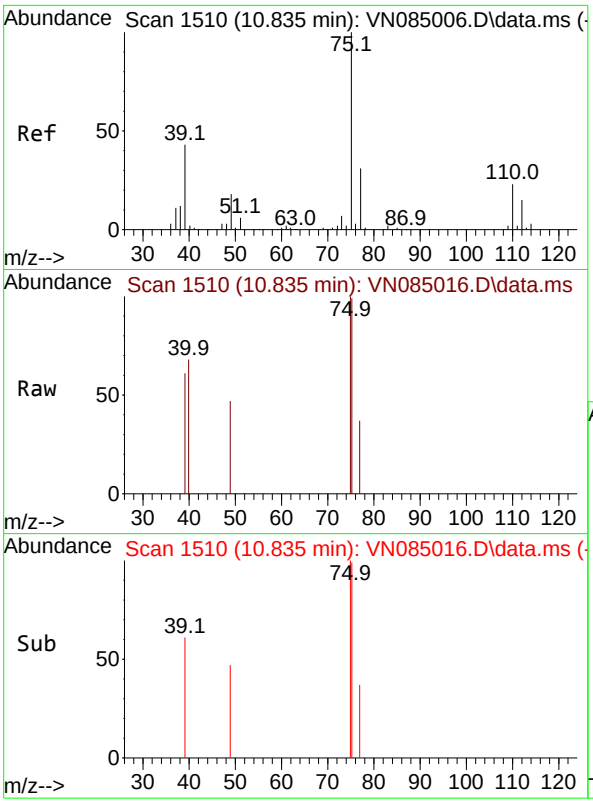


#50
Toluene-d8
Concen: 47.832 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Tgt Ion: 98 Resp: 305909

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.5	78.7



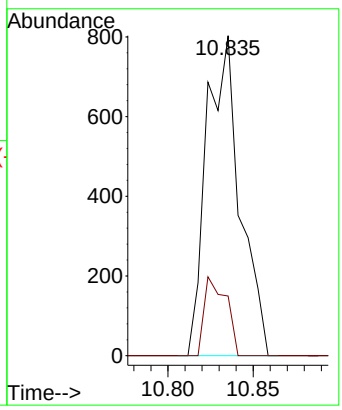


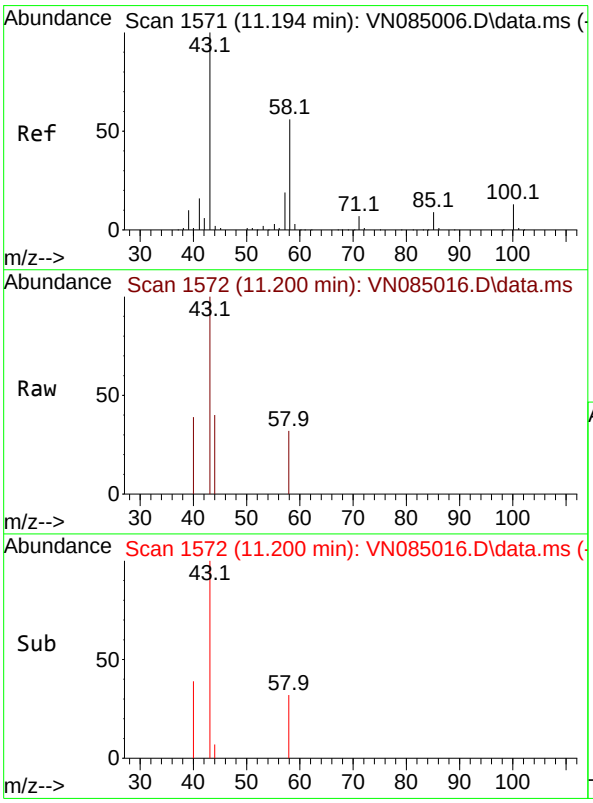
#53
t-1,3-Dichloropropene
Concen: 0.394 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Tgt Ion: 75 Resp: 1095

Ion	Ratio	Lower	Upper
75	100		
77	18.7	25.0	37.4#

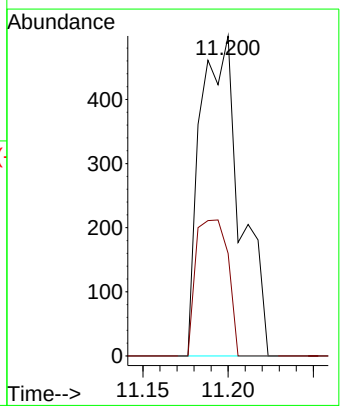


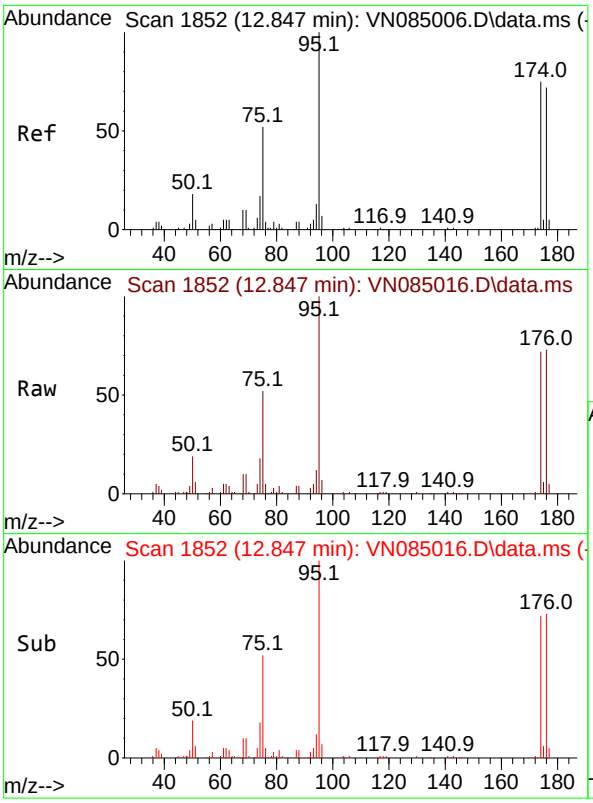


#59
2-Hexanone
Concen: 0.522 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Tgt Ion: 43 Resp: 814

Ion	Ratio	Lower	Upper
43	100		
58	33.9	28.3	85.0



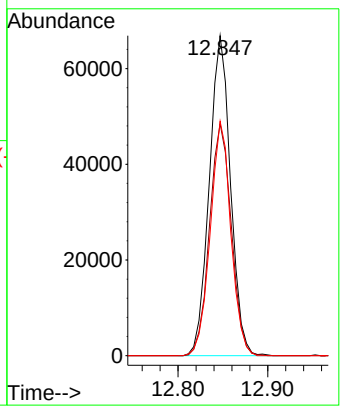


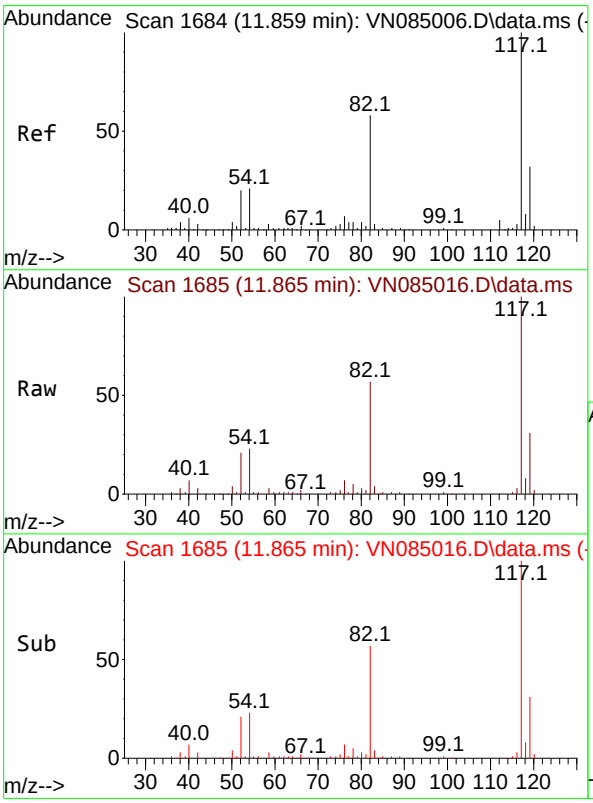
#62
4-Bromofluorobenzene
Concen: 45.913 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Tgt Ion: 95 Resp: 109809

Ion	Ratio	Lower	Upper
95	100		
174	74.4	0.0	146.6
176	70.9	0.0	141.8

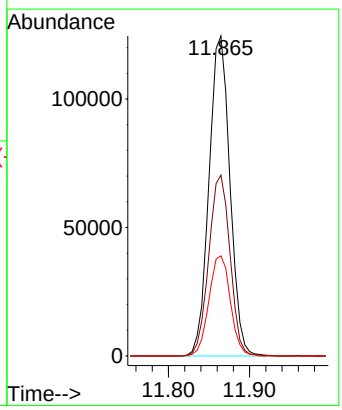


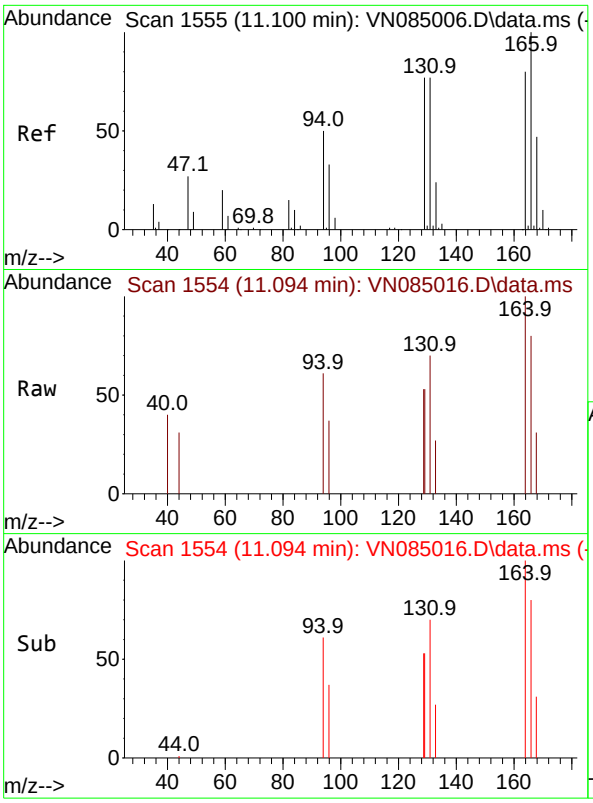


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Tgt Ion:117 Resp: 222942

Ion	Ratio	Lower	Upper
117	100		
82	56.5	46.0	69.0
119	31.3	25.6	38.4



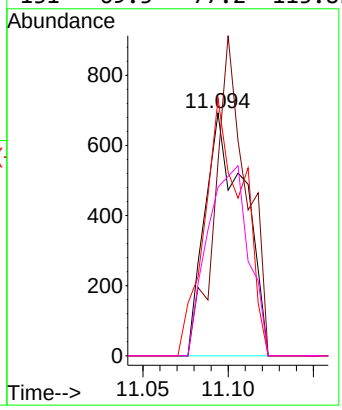


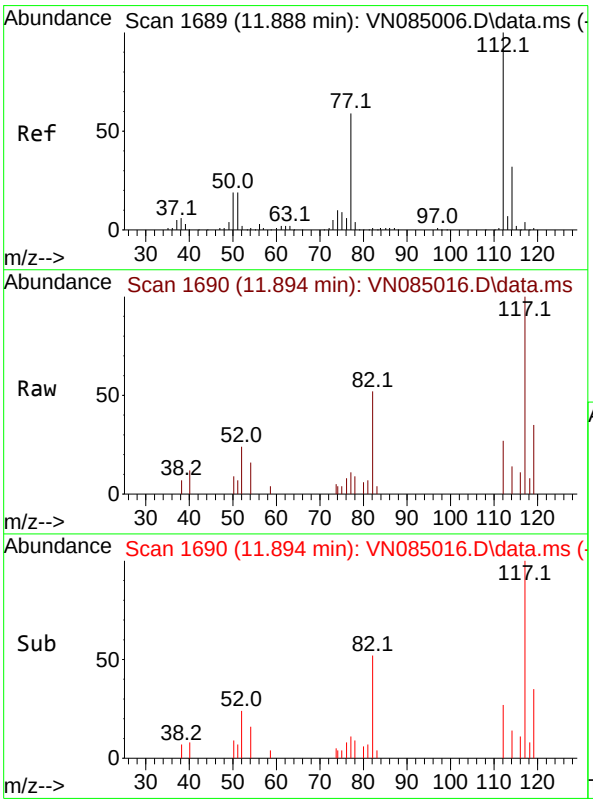
#64
Tetrachloroethene
Concen: 0.743 ug/l
RT: 11.094 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Tgt Ion:164 Resp: 1116

Ion	Ratio	Lower	Upper
164	100		
166	79.9	100.6	151.0#
129	106.1	77.7	116.5
131	69.5	77.2	115.8#

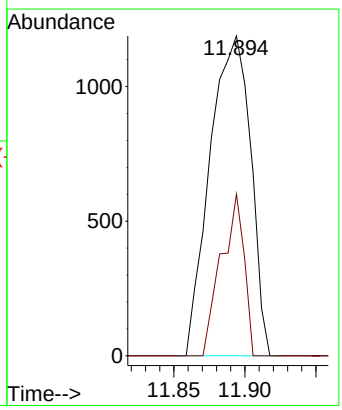


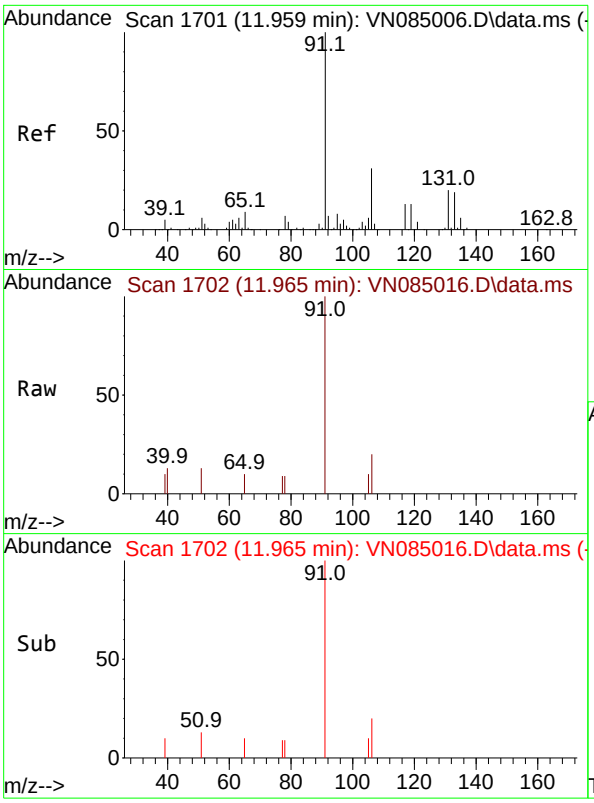


#65
Chlorobenzene
Concen: 0.468 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.006 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Tgt Ion:112 Resp: 2367

Ion	Ratio	Lower	Upper
112	100		
114	50.6	25.8	38.6#



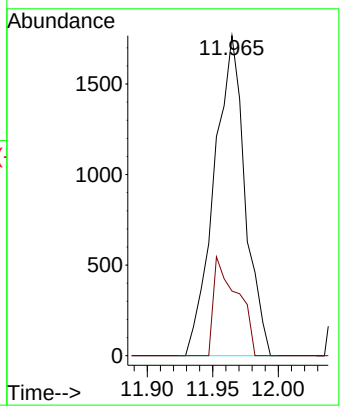


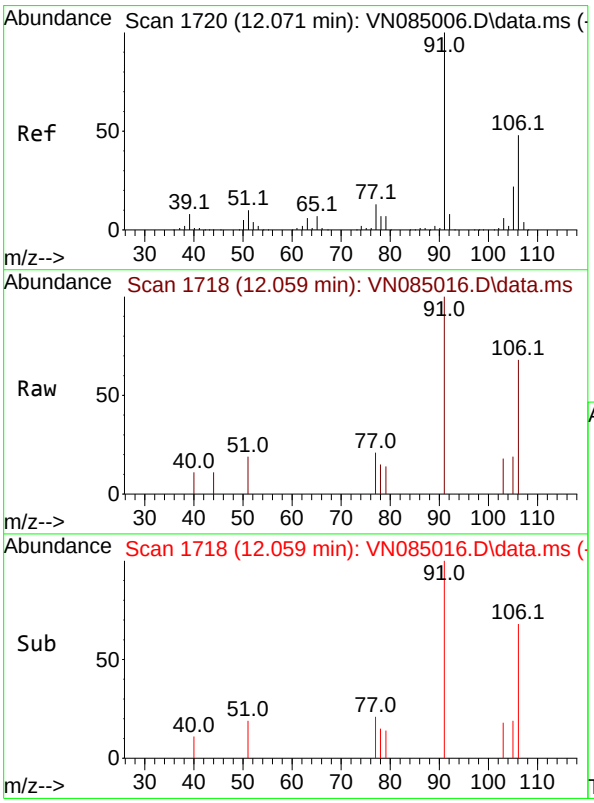
#67
Ethyl Benzene
Concen: 0.352 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Tgt Ion: 91 Resp: 2890

Ion	Ratio	Lower	Upper
91	100		
106	20.2	24.7	37.1#

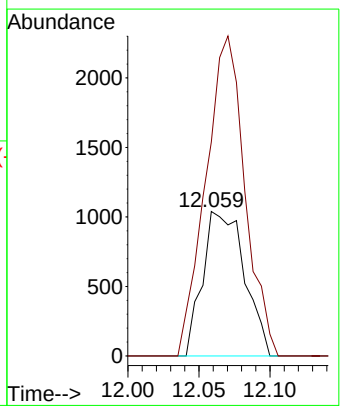


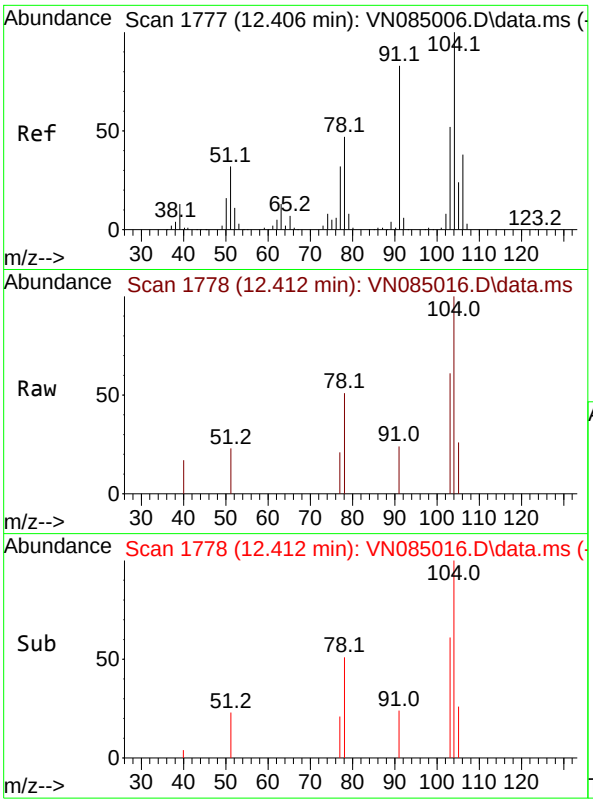


#68
m/p-Xylenes
Concen: 0.680 ug/l
RT: 12.059 min Scan# 1718
Delta R.T. -0.012 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Tgt Ion:106 Resp: 2123

Ion	Ratio	Lower	Upper
106	100		
91	208.3	168.0	252.0



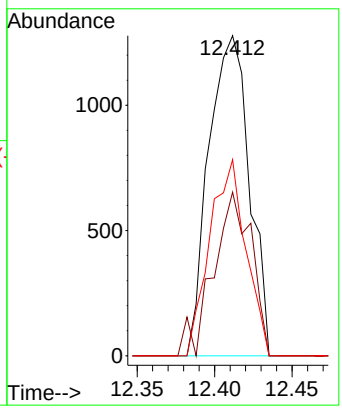


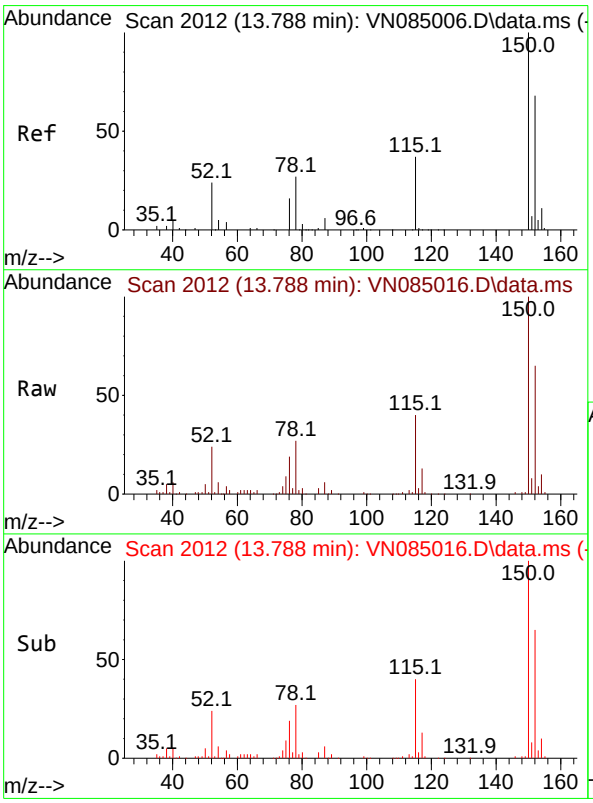
#70
Styrene
Concen: 0.470 ug/l
RT: 12.412 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Tgt Ion:104 Resp: 2323

Ion	Ratio	Lower	Upper
104	100		
78	48.1	42.3	63.5
103	54.5	44.2	66.2

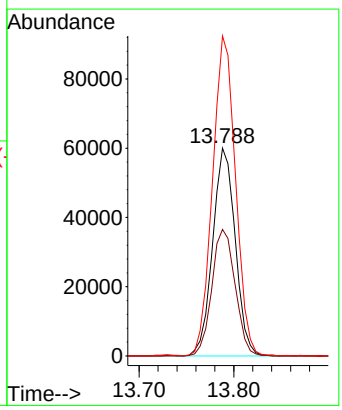


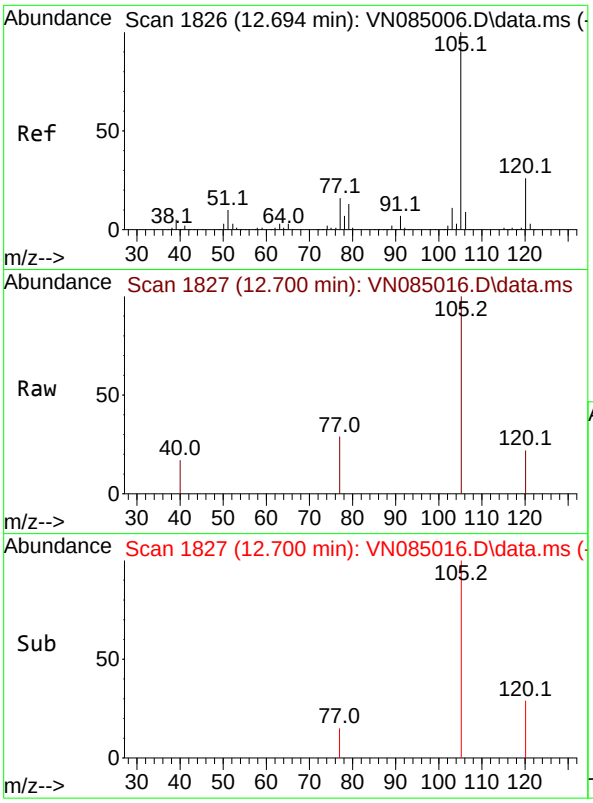


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Tgt Ion:152 Resp: 99476

Ion	Ratio	Lower	Upper
152	100		
115	62.8	31.7	95.1
150	157.0	0.0	351.4



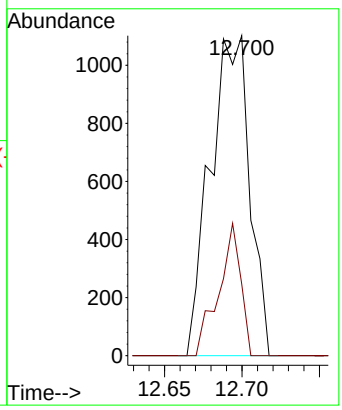


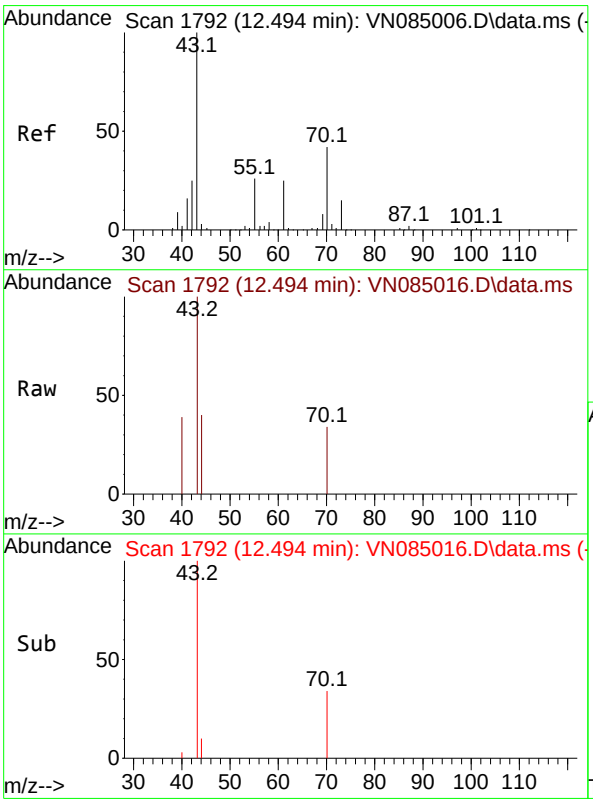
#73
Isopropylbenzene
Concen: 0.277 ug/l
RT: 12.700 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Tgt Ion:105 Resp: 1944

Ion	Ratio	Lower	Upper
105	100		
120	23.1	13.0	39.0

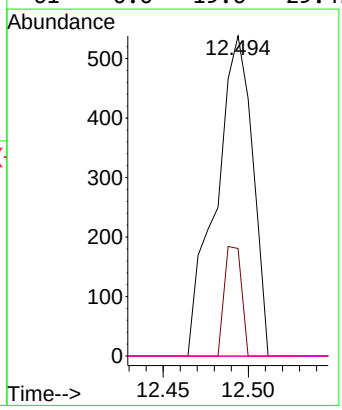


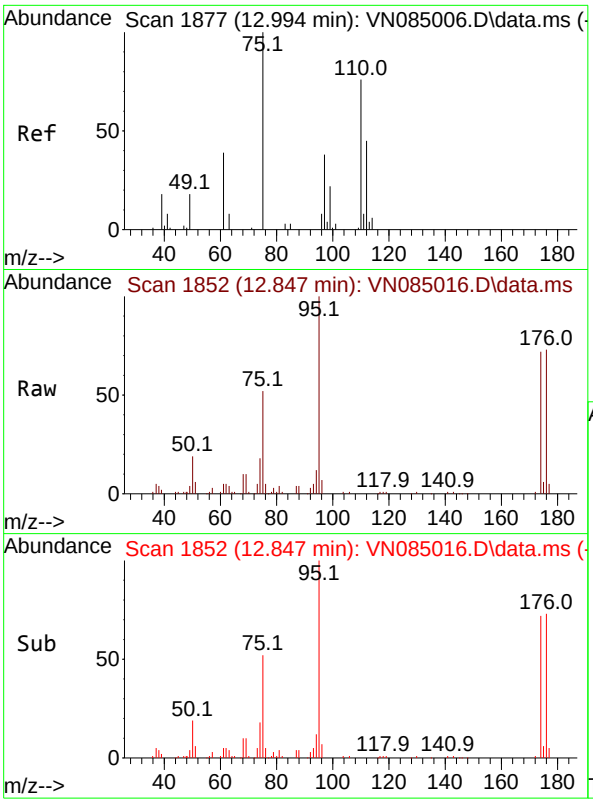


#74
N-amyl acetate
Concen: 0.280 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Tgt Ion: 43 Resp: 810

Ion	Ratio	Lower	Upper
43	100		
70	15.9	34.6	51.8#
55	0.0	20.5	30.7#
61	0.0	19.6	29.4#



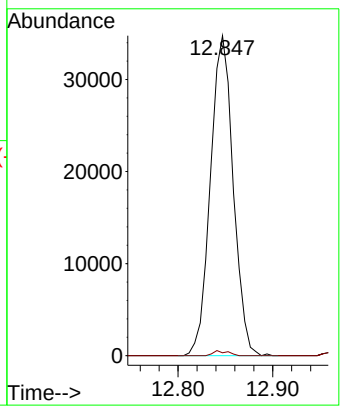


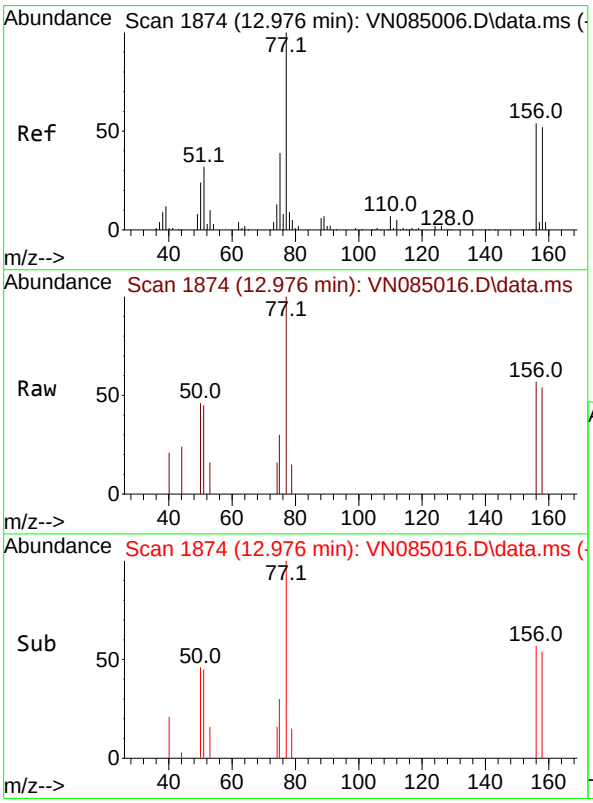
#76
1,2,3-Trichloropropane
Concen: 32.167 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.147 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Tgt Ion: 75 Resp: 58203

Ion	Ratio	Lower	Upper
75	100		
77	1.0	109.1	327.4#

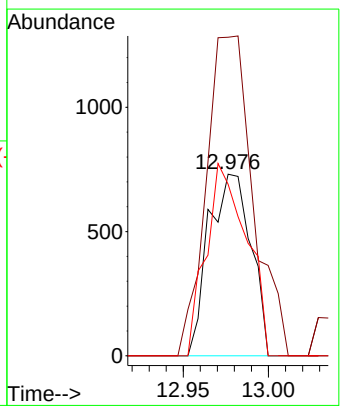


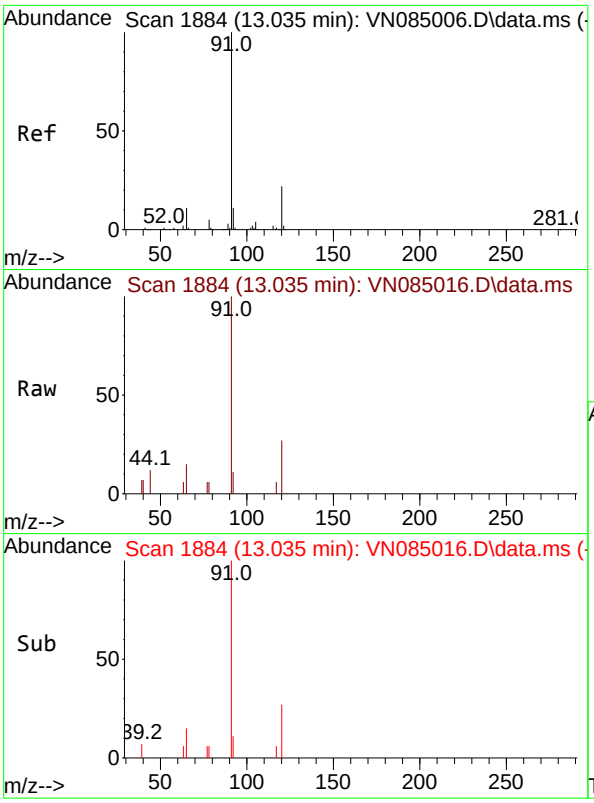


#77
Bromobenzene
Concen: 0.666 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Tgt Ion:156 Resp: 1257

Ion	Ratio	Lower	Upper
156	100		
77	195.8	107.2	321.6
158	101.8	48.5	145.6



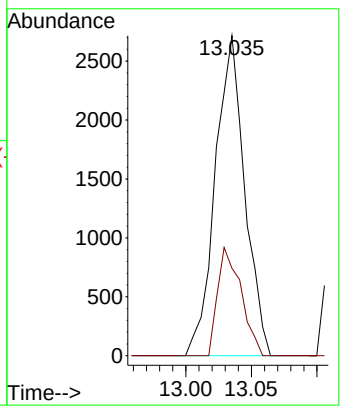


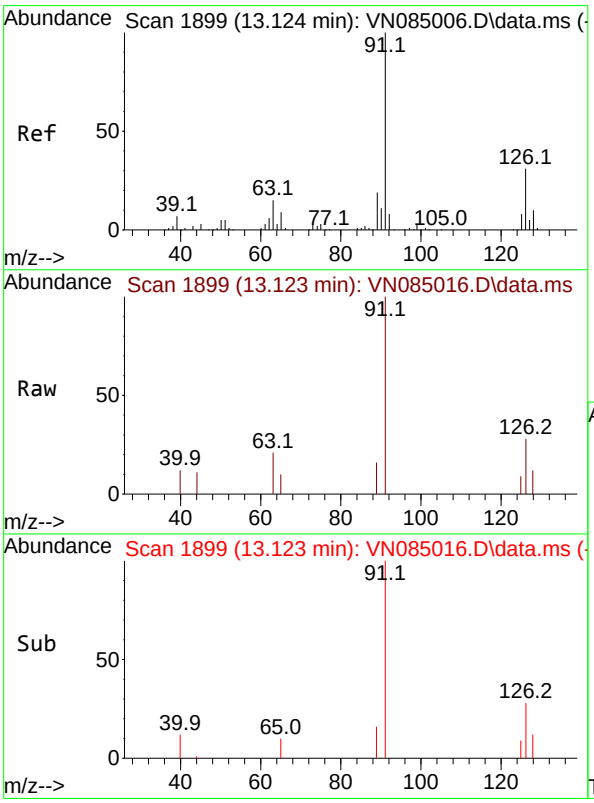
#78
n-propylbenzene
Concen: 0.524 ug/l
RT: 13.035 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Tgt Ion: 91 Resp: 4245

Ion	Ratio	Lower	Upper
91	100		
120	26.9	11.3	33.9

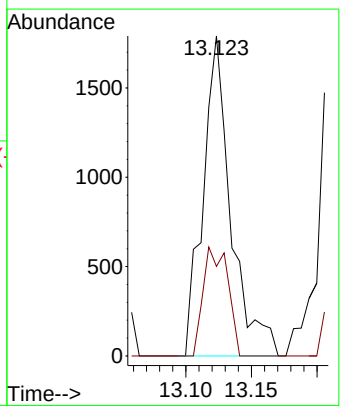


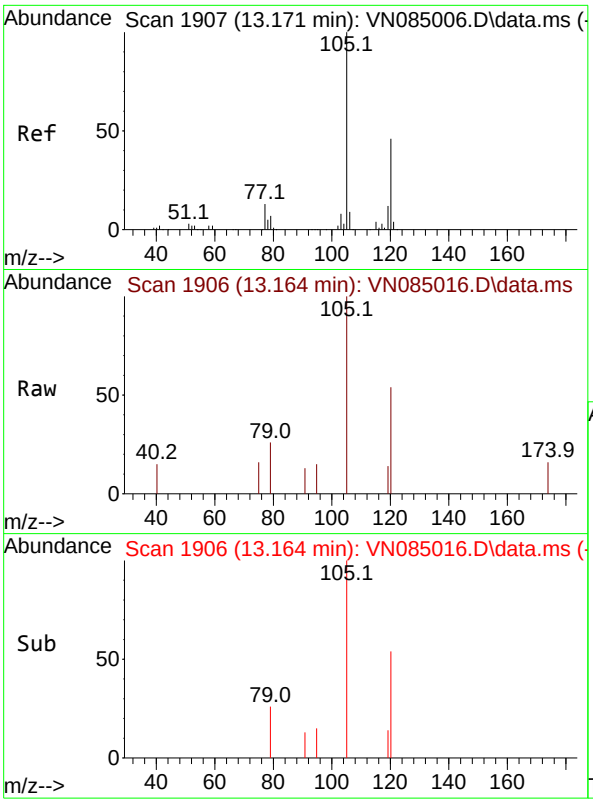


#79
2-Chlorotoluene
Concen: 0.489 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Tgt Ion: 91 Resp: 2644

Ion	Ratio	Lower	Upper
91	100		
126	30.0	16.1	48.3



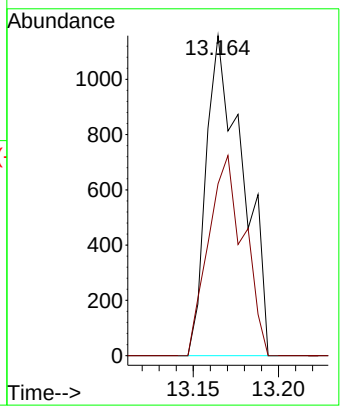


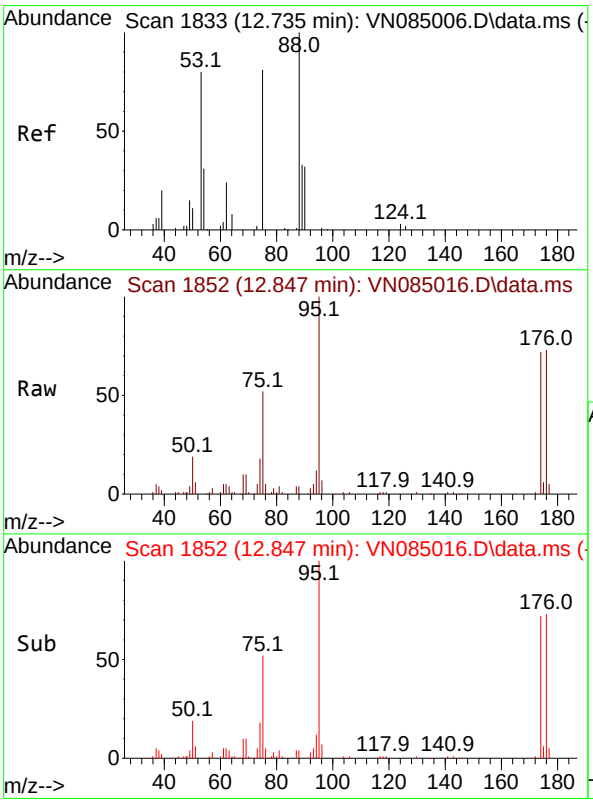
#80
1,3,5-Trimethylbenzene
Concen: 0.293 ug/l
RT: 13.164 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Tgt Ion:105 Resp: 1728

Ion	Ratio	Lower	Upper
105	100		
120	60.6	23.6	71.0

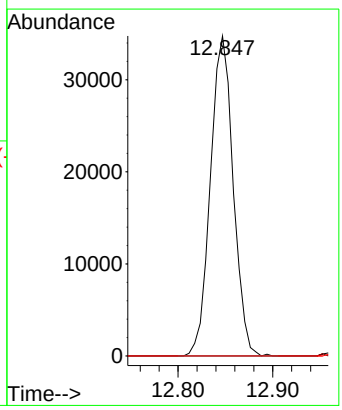


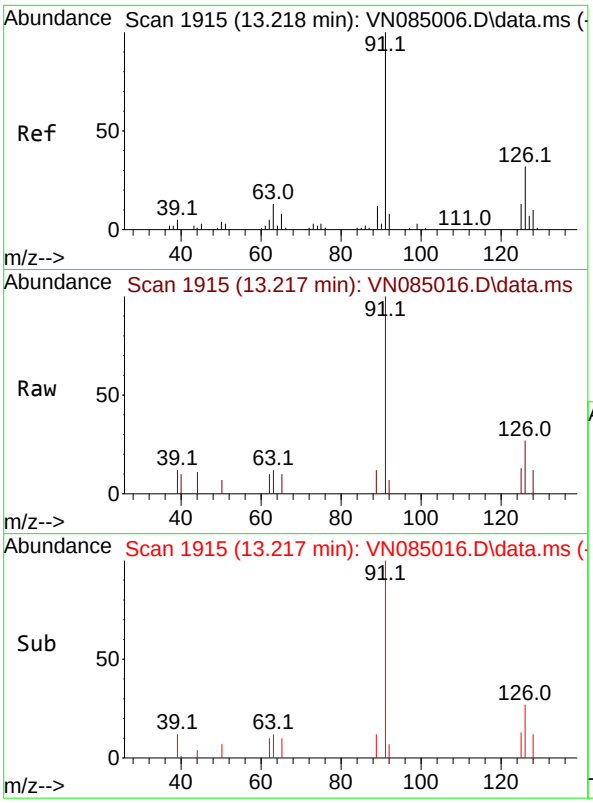


#81
trans-1,4-Dichloro-2-butene
Concen: 71.011 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Tgt Ion: 75 Resp: 58203

Ion	Ratio	Lower	Upper
75	100		
53	0.0	78.2	117.4#
89	0.0	37.9	56.9#



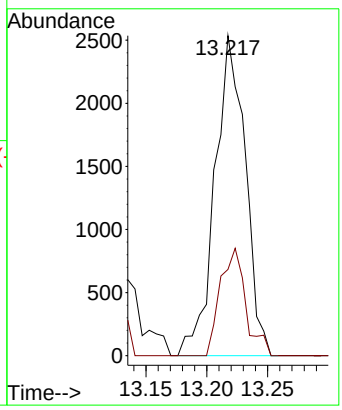


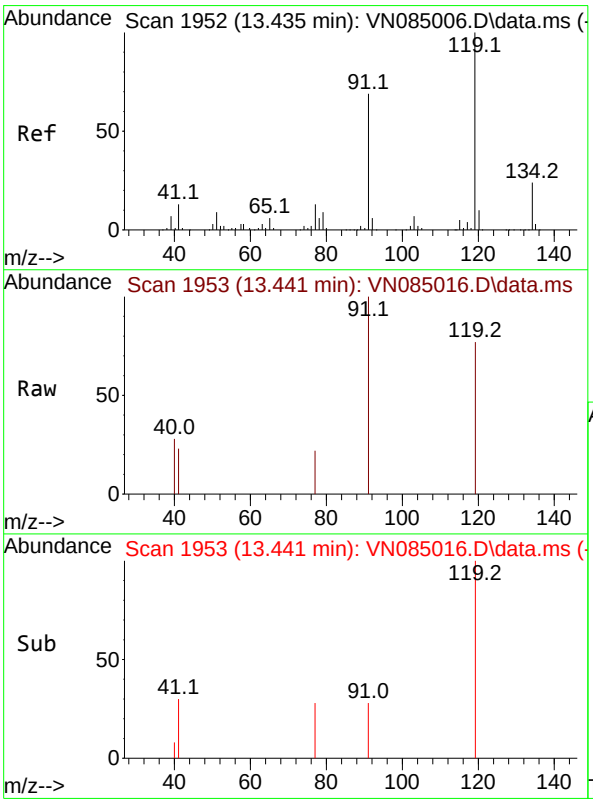
#82
4-Chlorotoluene
Concen: 0.786 ug/l
RT: 13.217 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Tgt Ion: 91 Resp: 4423

Ion	Ratio	Lower	Upper
91	100		
126	28.0	16.1	48.3

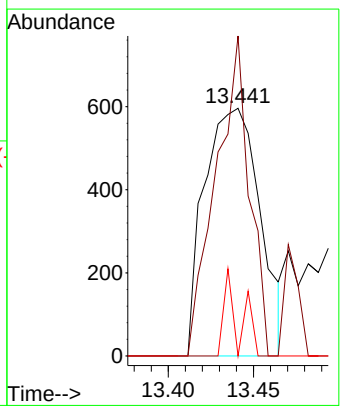


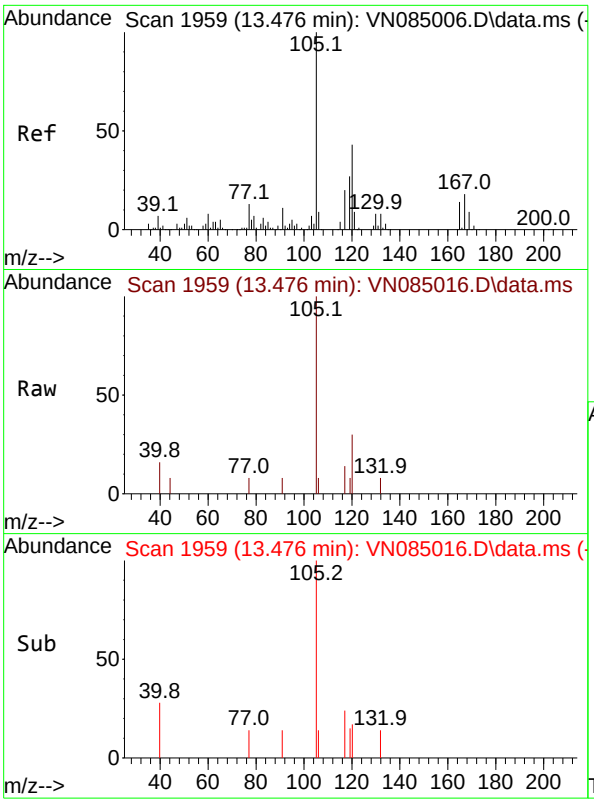


#83
tert-Butylbenzene
Concen: 0.268 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.006 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Tgt Ion:119 Resp: 1357

Ion	Ratio	Lower	Upper
119	100		
91	77.5	35.1	105.5
134	9.5	12.1	36.3#



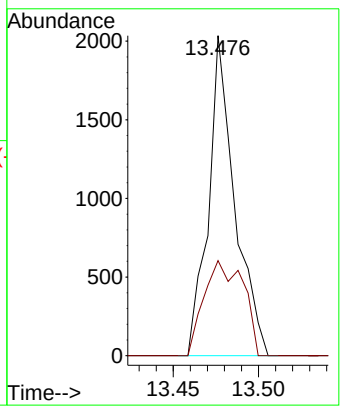


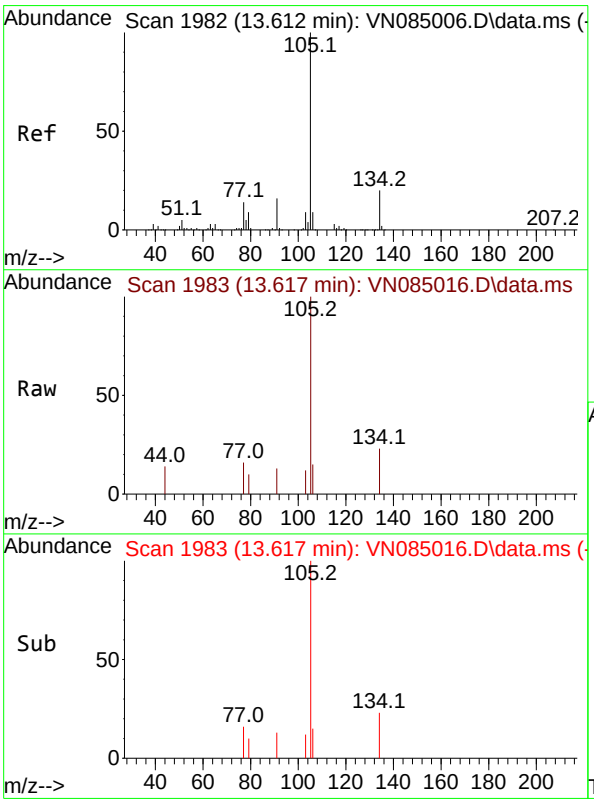
#84
1,2,4-Trimethylbenzene
Concen: 0.359 ug/l
RT: 13.476 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Tgt Ion:105 Resp: 2178

Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.8	65.4

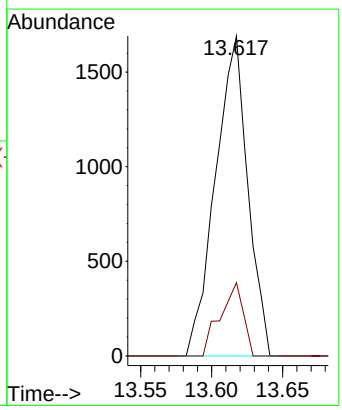


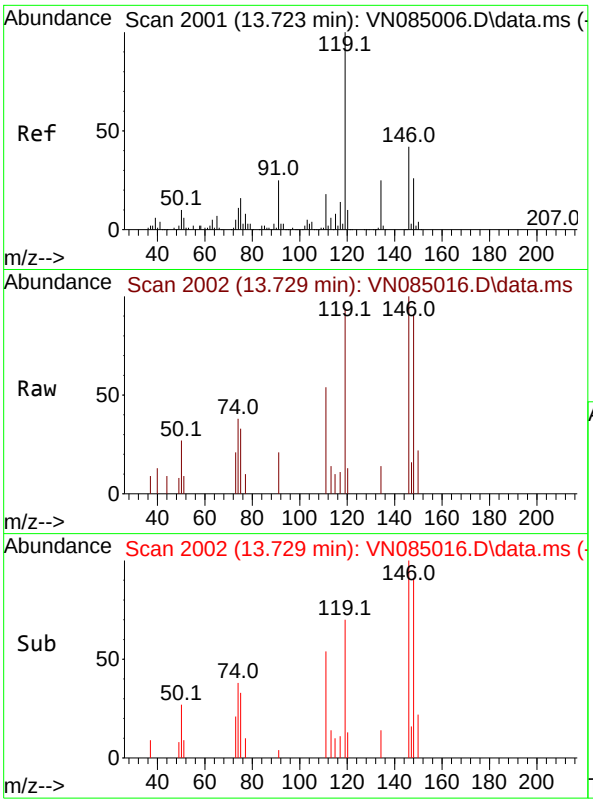


#85
sec-Butylbenzene
Concen: 0.391 ug/l
RT: 13.617 min Scan# 1983
Delta R.T. 0.006 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Tgt Ion:105 Resp: 2677

Ion	Ratio	Lower	Upper
105	100		
134	16.4	9.8	29.3



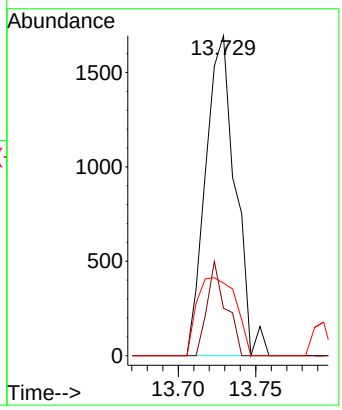


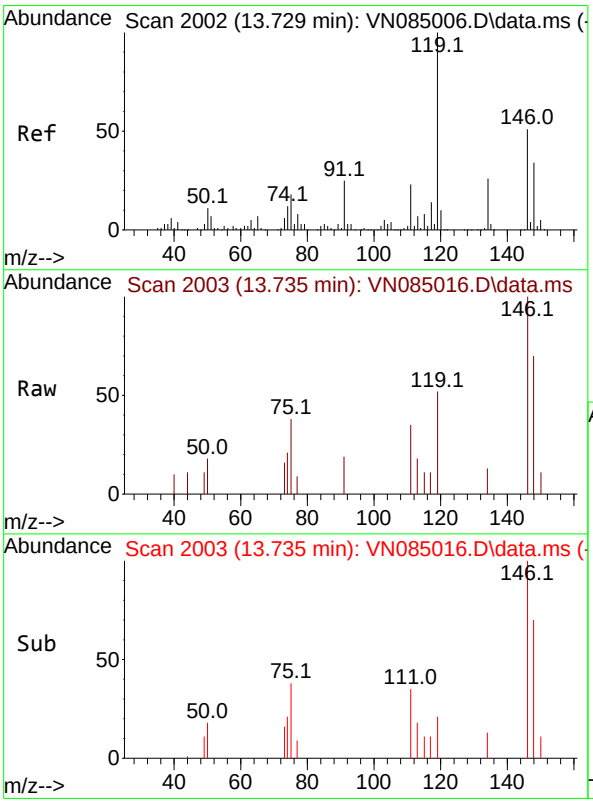
#86
p-Isopropyltoluene
Concen: 0.400 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Tgt Ion:119 Resp: 2258

Ion	Ratio	Lower	Upper
119	100		
134	18.6	13.0	39.0
91	31.7	12.8	38.4

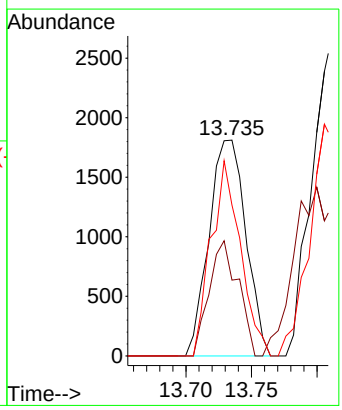


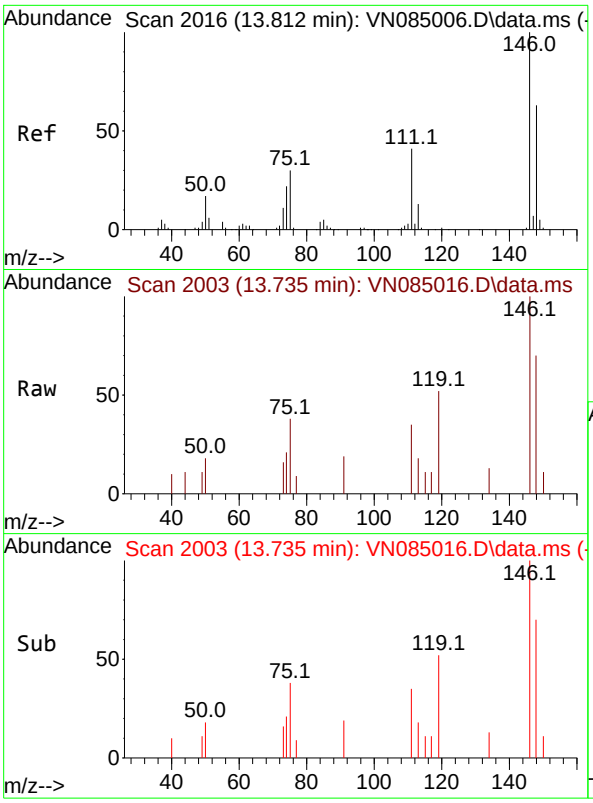


#87
1,3-Dichlorobenzene
Concen: 0.951 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.006 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Tgt Ion:146 Resp: 3542

Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.6	65.0
148	72.1	32.2	96.6



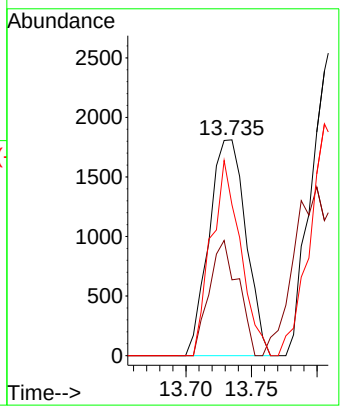


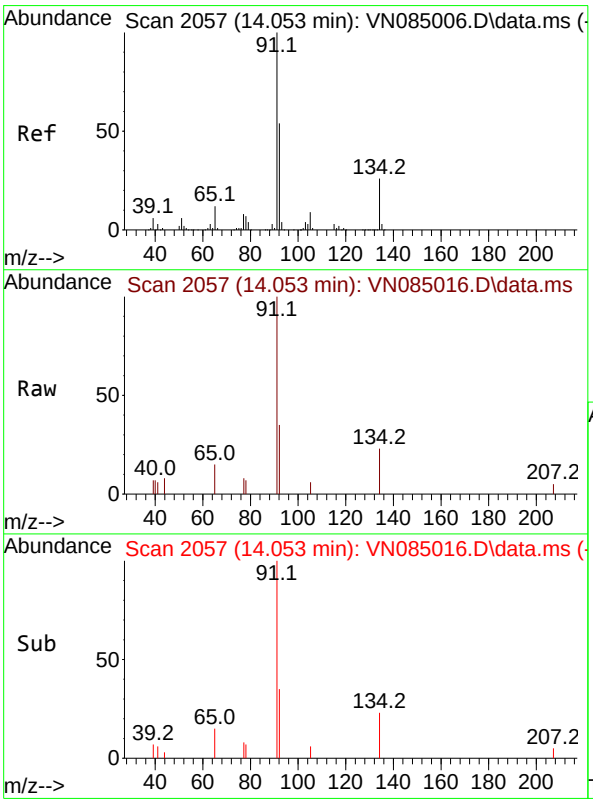
#88
1,4-Dichlorobenzene
Concen: 0.932 ug/l
RT: 13.735 min Scan# 2
Delta R.T. -0.077 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Tgt Ion:146 Resp: 3542

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.9	62.8
148	72.1	31.3	93.9

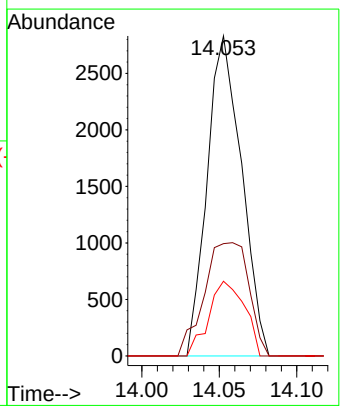


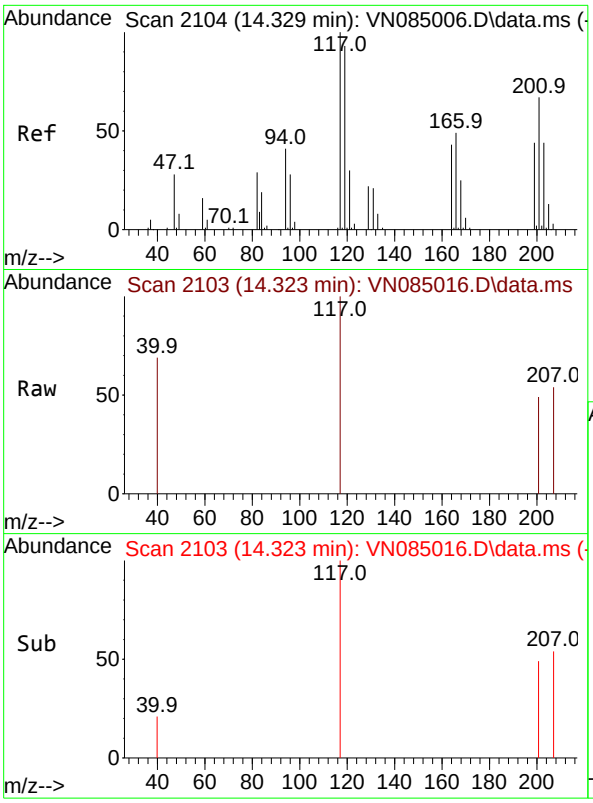


#89
n-Butylbenzene
Concen: 0.830 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Tgt Ion: 91 Resp: 4361

Ion	Ratio	Lower	Upper
91	100		
92	46.0	26.8	80.3
134	24.3	12.8	38.4



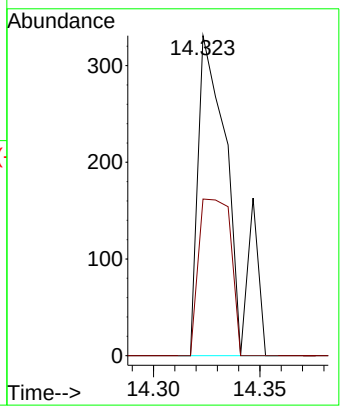


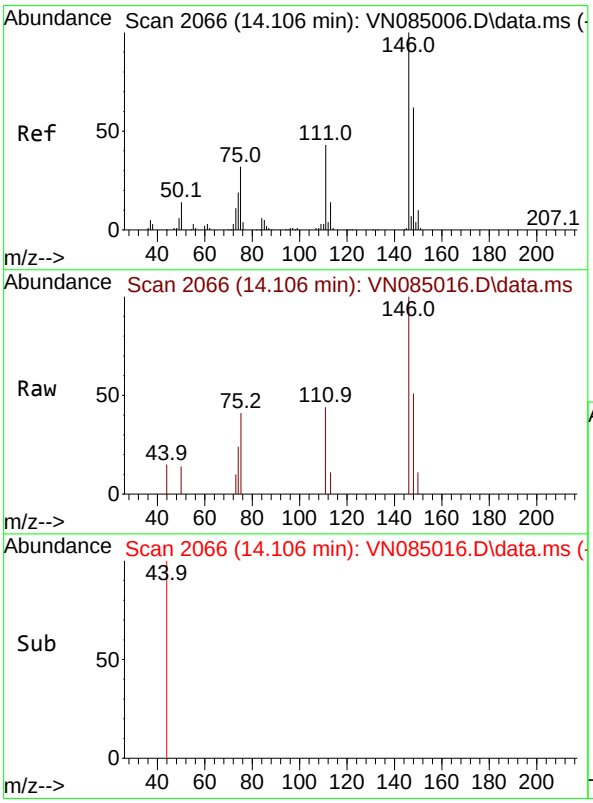
#90
Hexachloroethane
Concen: 0.281 ug/l
RT: 14.323 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Tgt Ion:117 Resp: 346

Ion	Ratio	Lower	Upper
117	100		
201	48.6	35.2	105.6

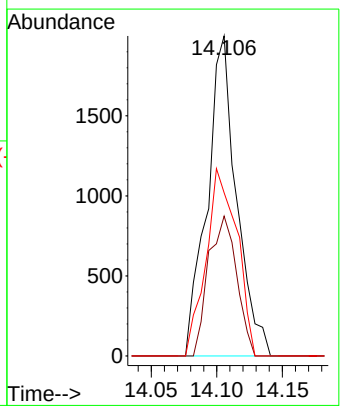


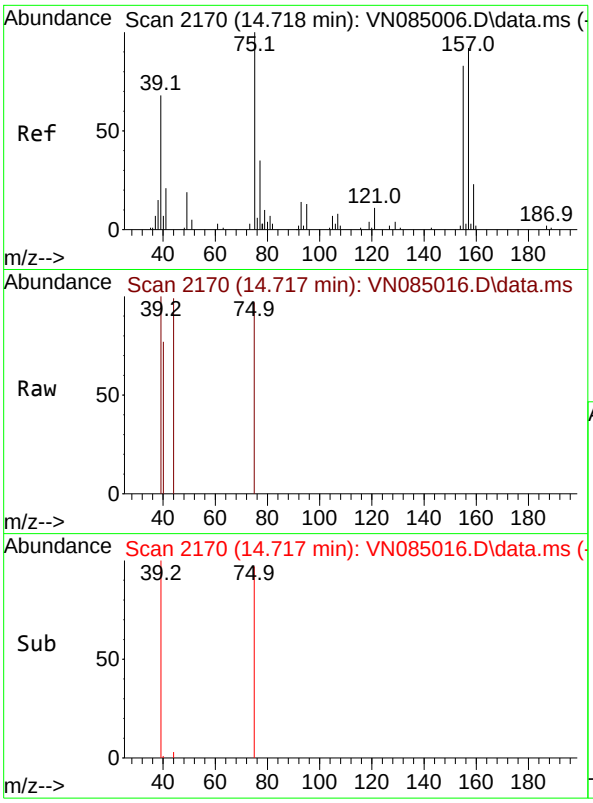


#91
1,2-Dichlorobenzene
Concen: 0.873 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Tgt Ion:146 Resp: 3116

Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.9	65.8
148	61.5	31.1	93.2



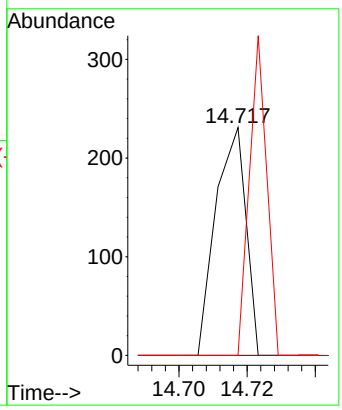


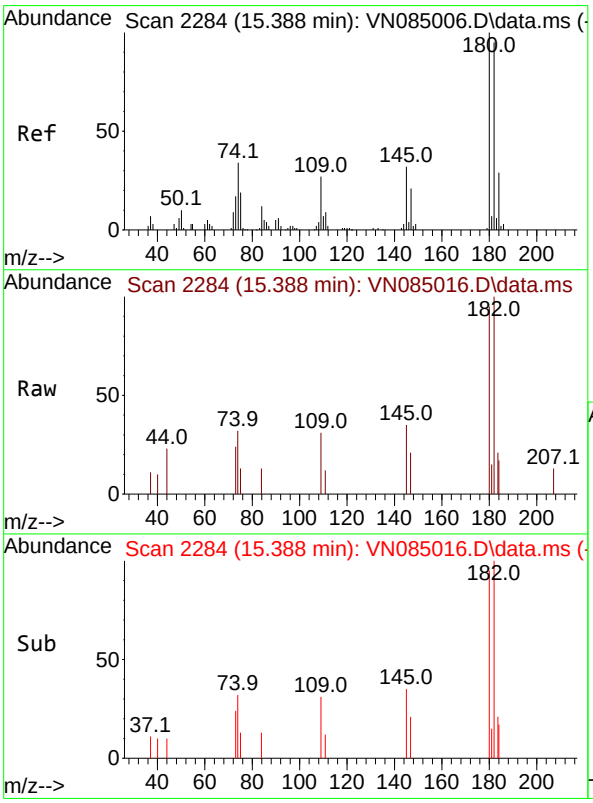
#92
1,2-Dibromo-3-Chloropropane
Concen: 0.306 ug/l
RT: 14.717 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Tgt Ion: 75 Resp: 142

Ion	Ratio	Lower	Upper
75	100		
155	0.0	38.9	116.7#
157	80.3	48.3	144.9

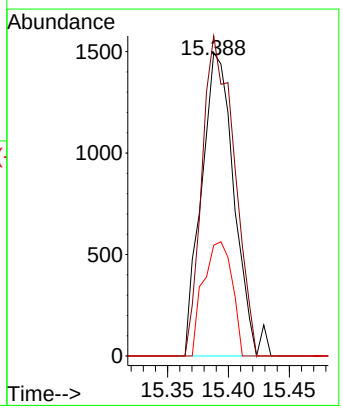


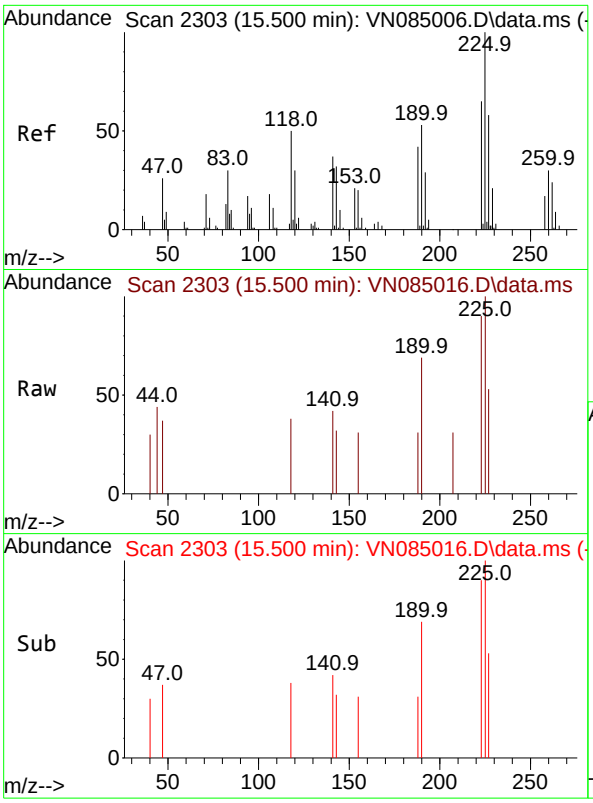


#93
1,2,4-Trichlorobenzene
Concen: 1.439 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.000 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Tgt Ion:180 Resp: 2790

Ion	Ratio	Lower	Upper
180	100		
182	103.8	46.9	140.8
145	33.1	16.3	48.8



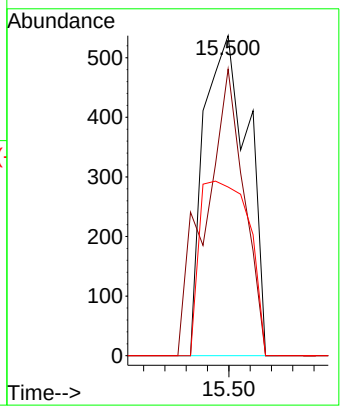


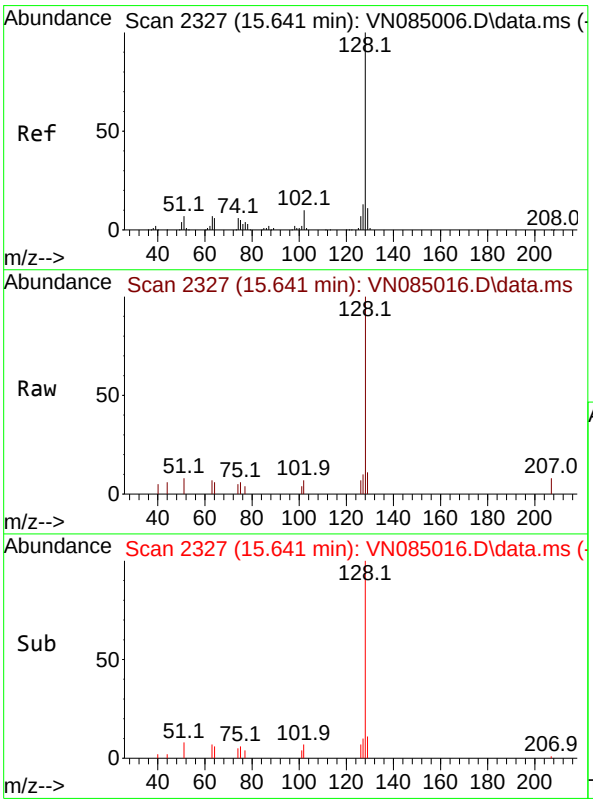
#94
Hexachlorobutadiene
Concen: 0.859 ug/l
RT: 15.500 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Tgt Ion:225 Resp: 769

Ion	Ratio	Lower	Upper
225	100		
223	78.5	30.9	92.8
227	61.4	31.5	94.5

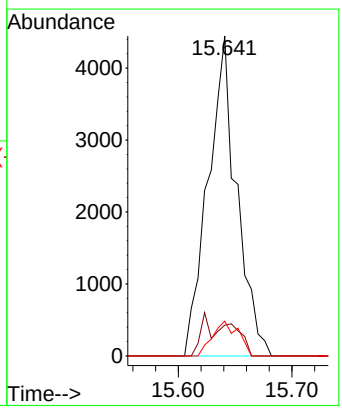


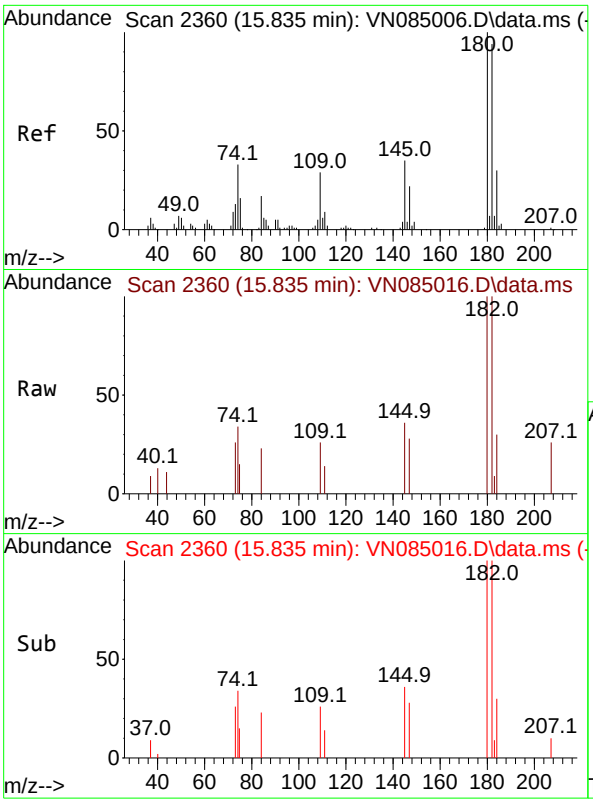


#95
Naphthalene
Concen: 1.411 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Tgt Ion:128 Resp: 7791

Ion	Ratio	Lower	Upper
128	100		
127	6.8	10.6	16.0#
129	9.7	8.6	12.8



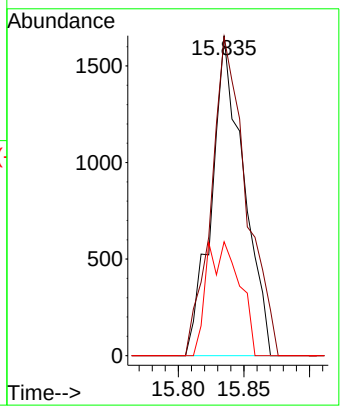


#96
1,2,3-Trichlorobenzene
Concen: 1.528 ug/l
RT: 15.835 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085016.D
Acq: 22 Nov 2024 19:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-13-20241112

Tgt Ion:180 Resp: 2827

Ion	Ratio	Lower	Upper
180	100		
182	108.5	46.4	139.2
145	36.4	17.3	52.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085018.D
Acq On : 22 Nov 2024 20:05
Operator : JC\MD
Sample : P4845-23
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-20241112

Quant Time: Nov 23 03:26:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

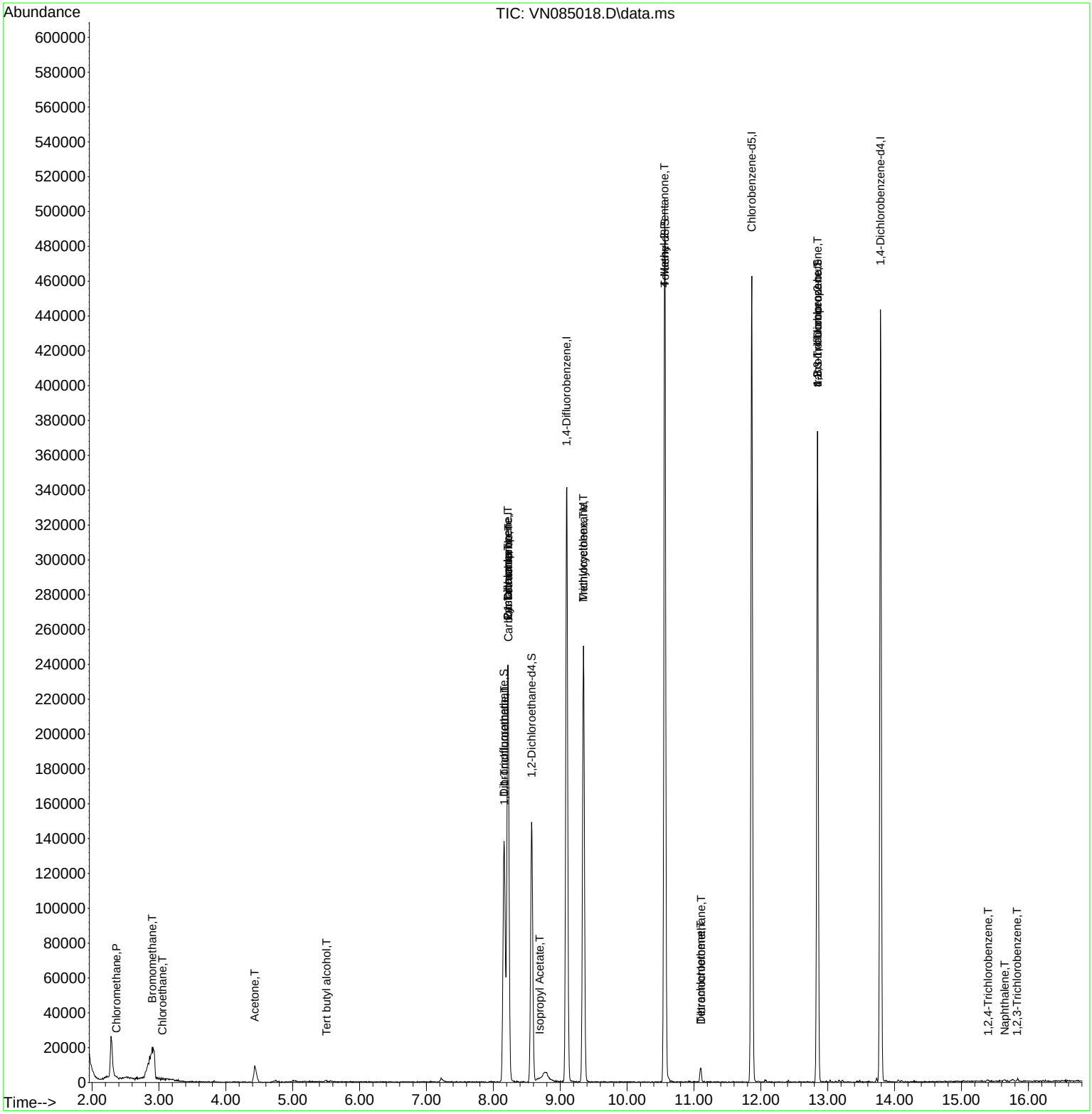
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	169757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	301590	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	265028	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	117323	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	124950	51.674	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.340%			
35) Dibromofluoromethane	8.159	113	99028	48.691	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.380%			
50) Toluene-d8	10.565	98	346771	47.576	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.160%			
62) 4-Bromofluorobenzene	12.847	95	127974	46.950	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.900%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	577	0.259	ug/l #	40
5) Bromomethane	2.901	94	337	0.301	ug/l	96
6) Chloroethane	3.054	64	276	0.205	ug/l #	44
11) Tert butyl alcohol	5.506	59	290	0.897	ug/l #	75
16) Acetone	4.430	43	1137	1.615	ug/l	98
18) Methyl Acetate	5.018	43	1149	Below Cal	#	65
31) Cyclohexane	8.218	56	3709	1.151	ug/l #	1
32) 1,1,1-Trichloroethane	8.165	97	1999	0.568	ug/l #	46
36) 1,1-Dichloropropene	8.218	75	14814	5.378	ug/l #	51
38) Carbon Tetrachloride	8.224	117	19017	5.980	ug/l #	14
39) Methylcyclohexane	9.347	83	1290	0.451	ug/l #	1
43) Isopropyl Acetate	8.694	43	1266	0.243	ug/l #	55
44) Trichloroethene	9.347	130	88308	43.613	ug/l	90
51) 4-Methyl-2-Pentanone	10.559	43	1483	0.624	ug/l #	1
60) Dibromochloromethane	11.106	129	2078	0.885	ug/l #	10
64) Tetrachloroethene	11.100	164	2087	1.169	ug/l #	87
76) 1,2,3-Trichloropropane	12.847	75	67665	31.708	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67665	69.997	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.400	180	581	0.254	ug/l	92
95) Naphthalene	15.647	128	1736	0.267	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.829	180	485	0.222	ug/l	76

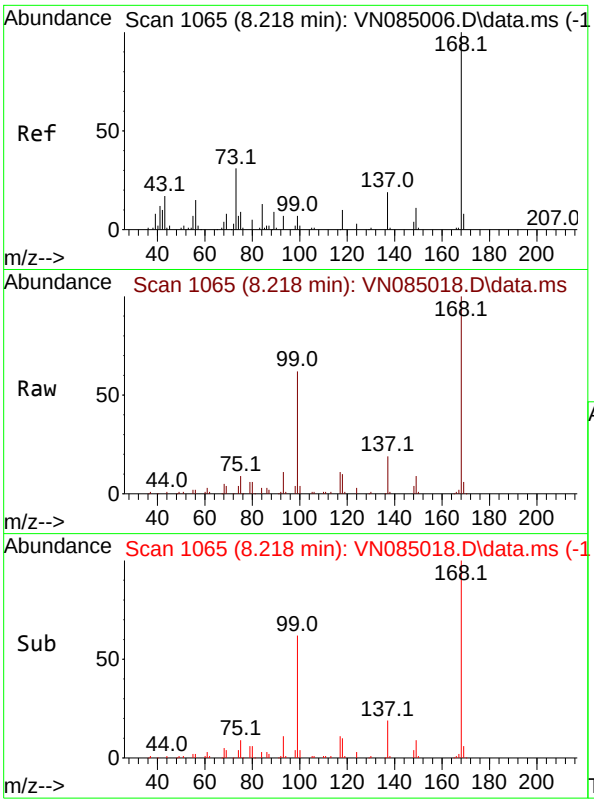
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085018.D
Acq On : 22 Nov 2024 20:05
Operator : JC\MD
Sample : P4845-23
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-20241112

Quant Time: Nov 23 03:26:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



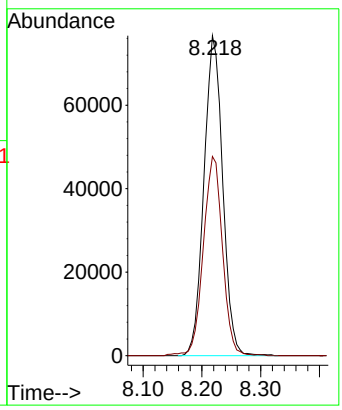


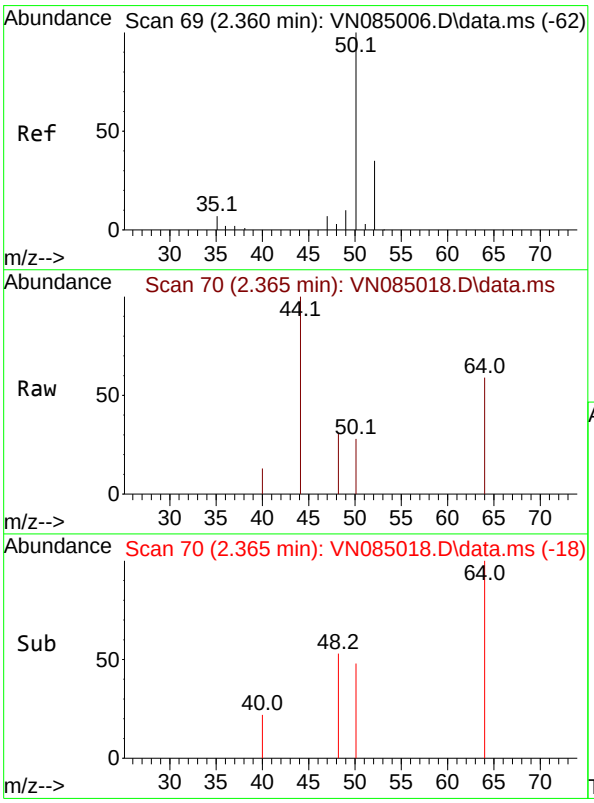
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-20241112

Tgt Ion:168 Resp: 169757

Ion	Ratio	Lower	Upper
168	100		
99	62.2	51.2	76.8

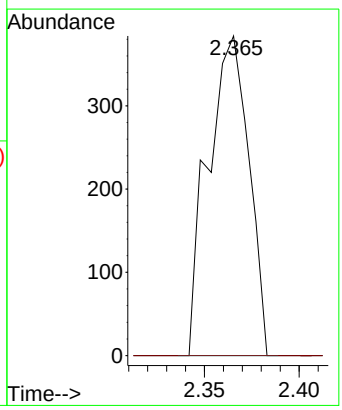


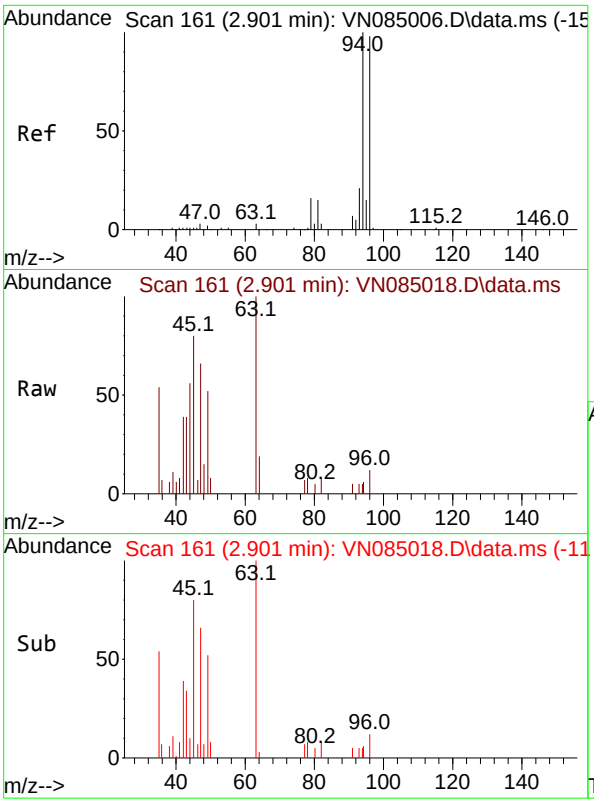


#3
Chloromethane
Concen: 0.259 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Tgt Ion: 50 Resp: 577

Ion	Ratio	Lower	Upper
50	100		
52	0.0	27.8	41.8#



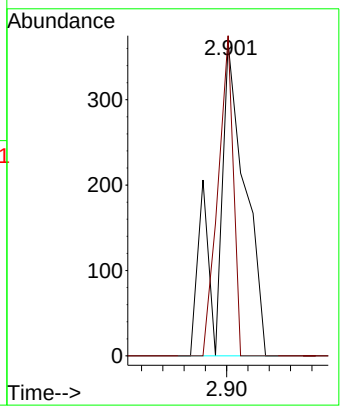


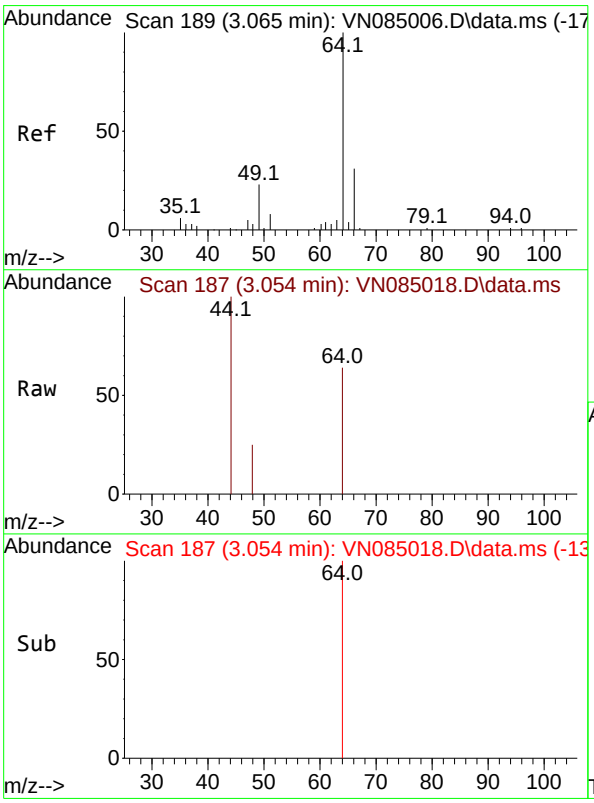
#5
Bromomethane
Concen: 0.301 ug/l
RT: 2.901 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-20241112

Tgt Ion: 94 Resp: 337

Ion	Ratio	Lower	Upper
94	100		
96	102.2	78.7	118.1

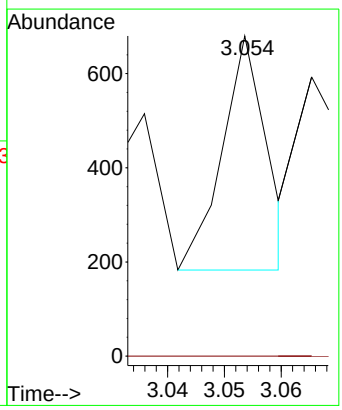


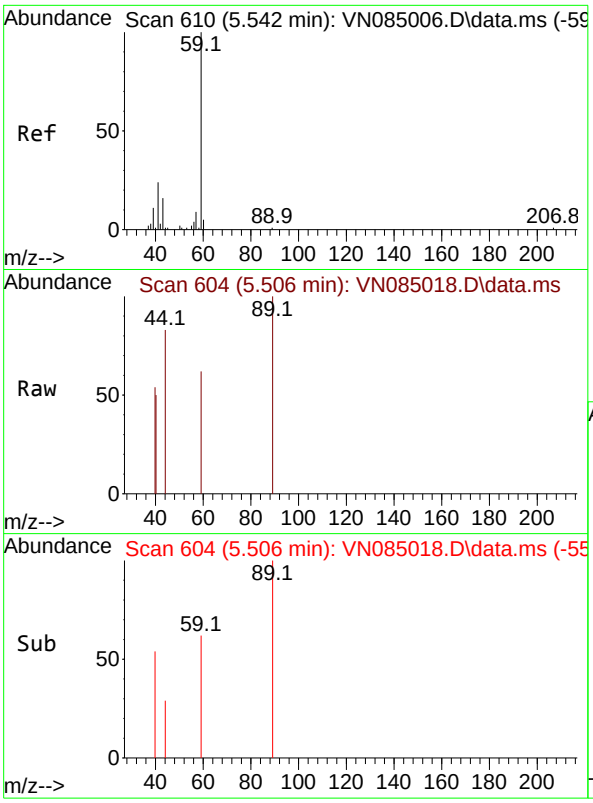


#6
Chloroethane
Concen: 0.205 ug/l
RT: 3.054 min Scan# 187
Delta R.T. -0.012 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Tgt Ion: 64 Resp: 276

Ion	Ratio	Lower	Upper
64	100		
66	0.0	24.4	36.6#



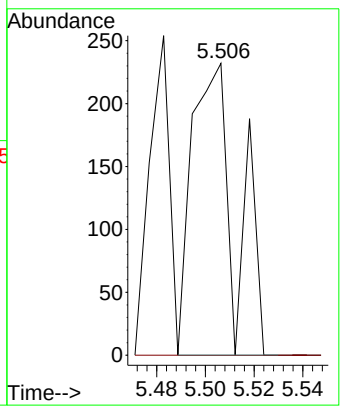


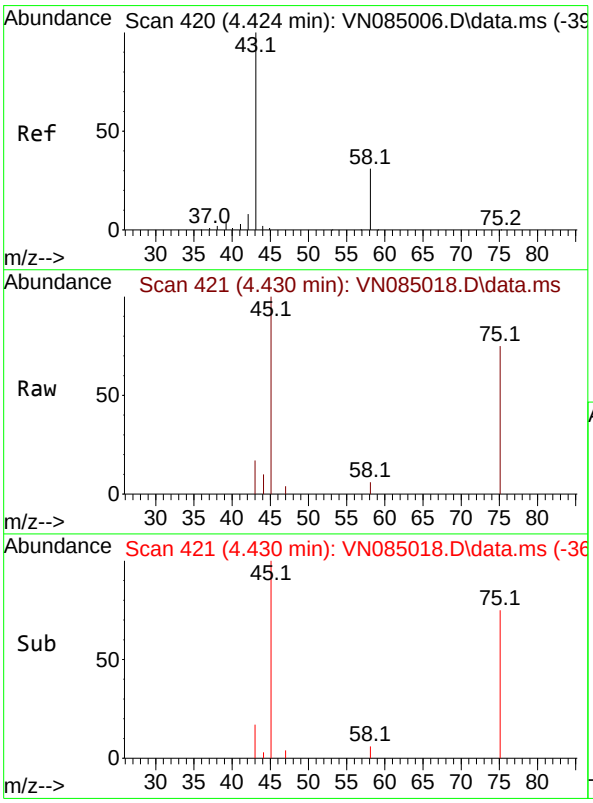
#11
Tert butyl alcohol
Concen: 0.897 ug/l
RT: 5.506 min Scan# 6
Delta R.T. -0.035 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-20241112

Tgt Ion: 59 Resp: 290

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.4	11.0#

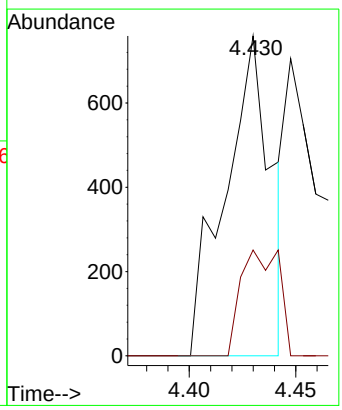


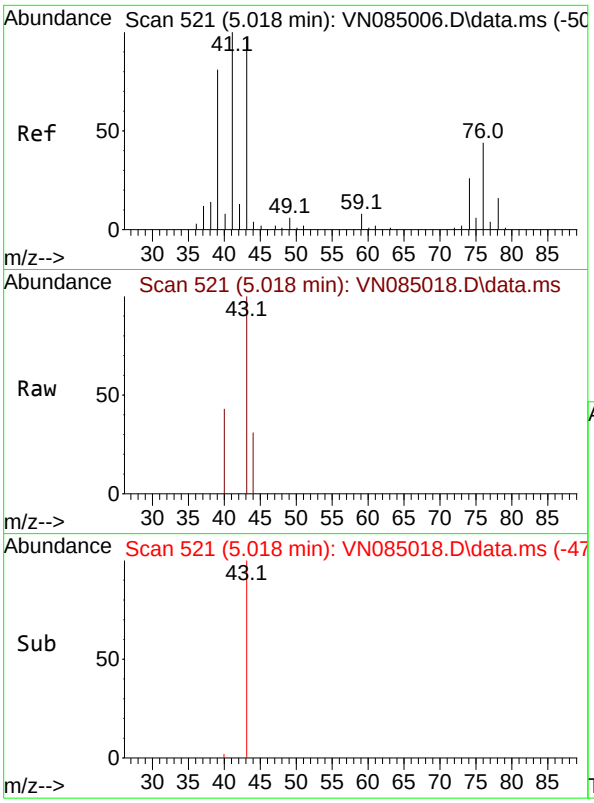


#16
Acetone
Concen: 1.615 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Tgt Ion: 43 Resp: 1137

Ion	Ratio	Lower	Upper
43	100		
58	33.1	25.4	38.2



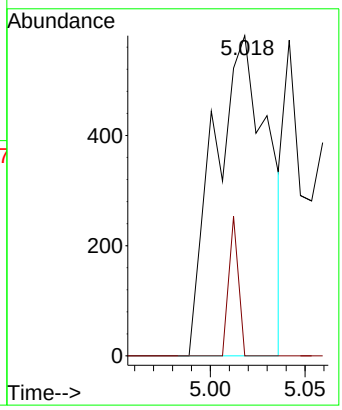


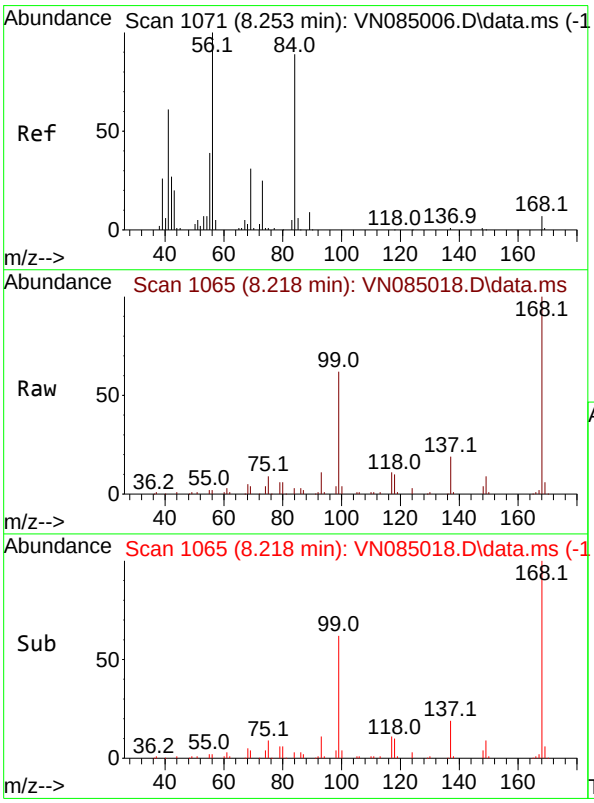
#18
Methyl Acetate
Concen: Below Cal
RT: 5.018 min Scan# 5
Delta R.T. -0.000 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-20241112

Tgt Ion: 43 Resp: 1149

Ion	Ratio	Lower	Upper
43	100		
74	7.7	20.1	30.1#

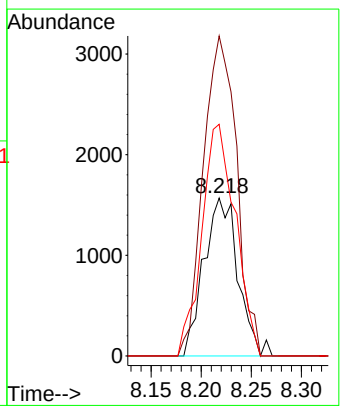


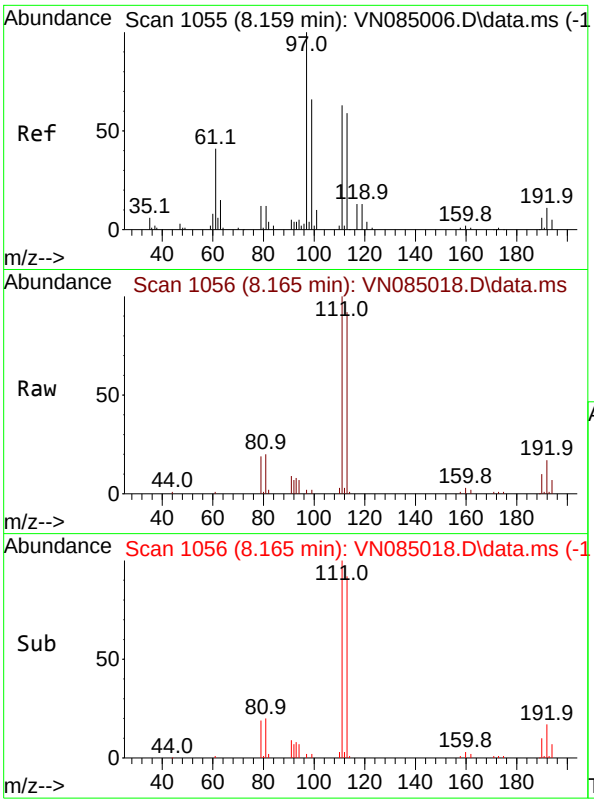


#31
Cyclohexane
Concen: 1.151 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Tgt Ion: 56 Resp: 3709

Ion	Ratio	Lower	Upper
56	100		
69	202.7	24.6	36.8#
84	146.8	71.4	107.2#



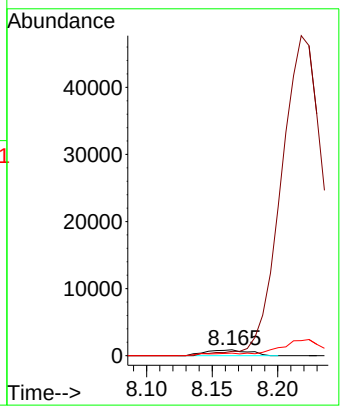


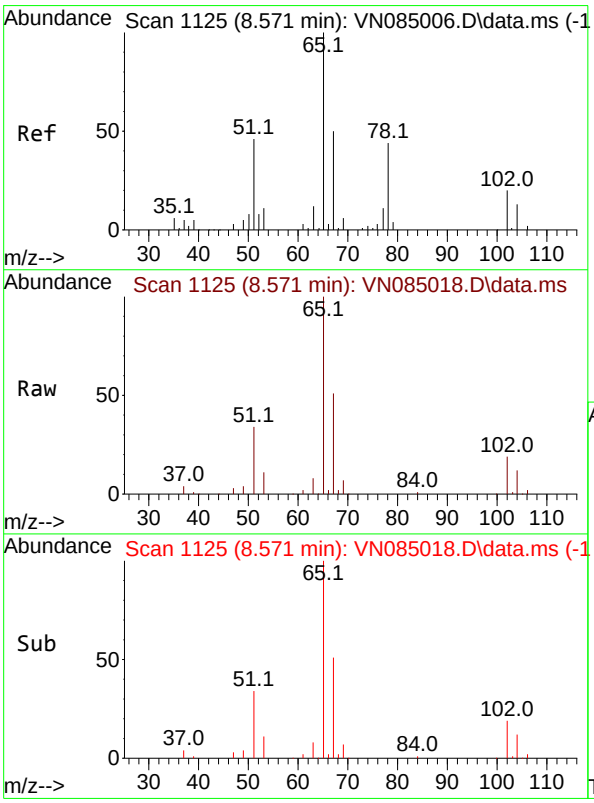
#32
1,1,1-Trichloroethane
Concen: 0.568 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-20241112

Tgt Ion: 97 Resp: 1999

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.0	76.4#
61	34.8	36.2	54.2#

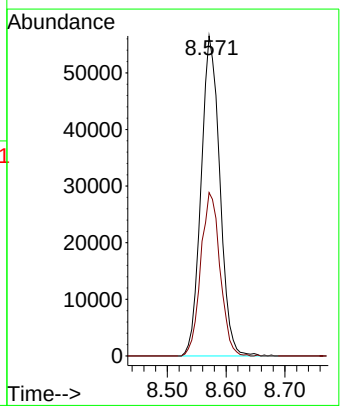


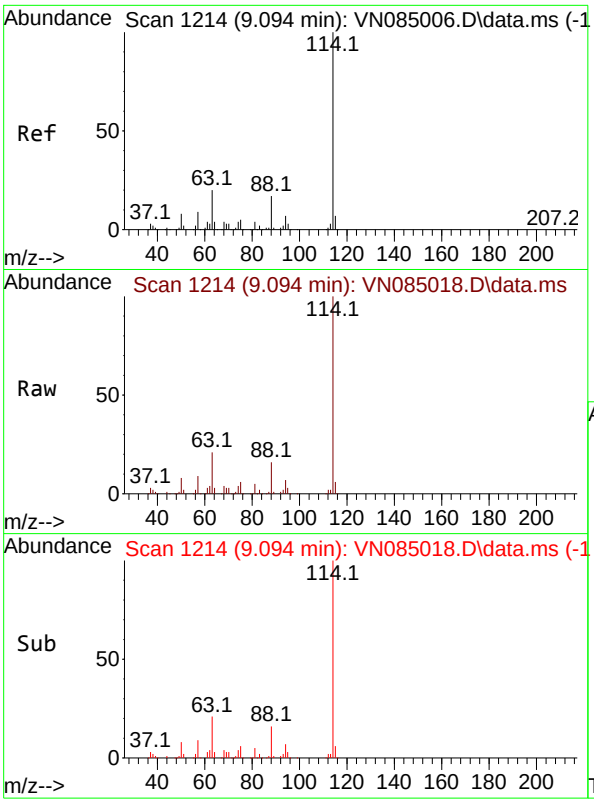


#33
1,2-Dichloroethane-d4
Concen: 51.674 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.000 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Tgt Ion: 65 Resp: 124950

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	105.0



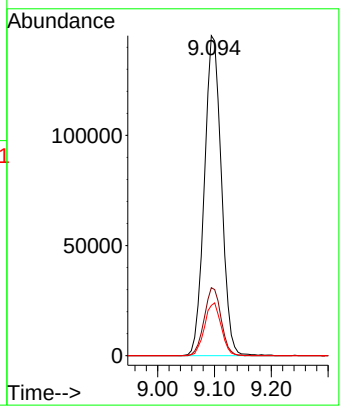


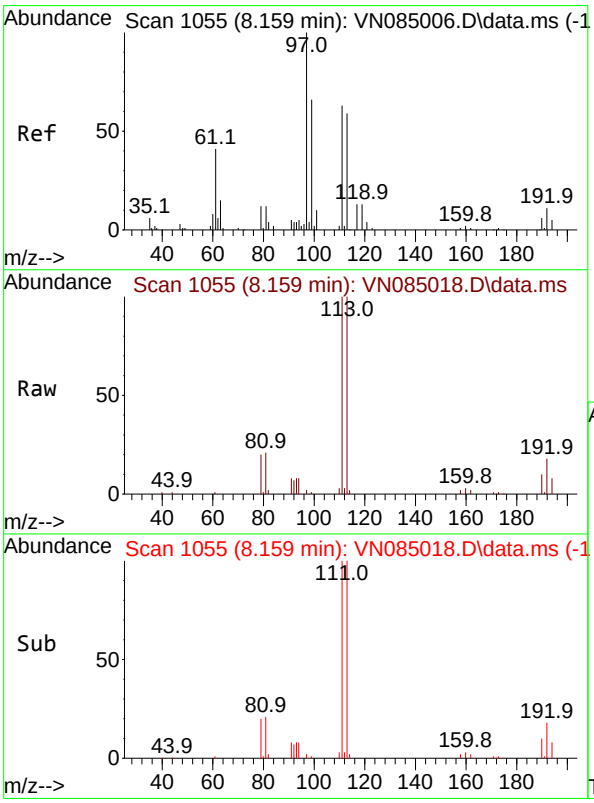
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-20241112

Tgt Ion:114 Resp: 301590

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	41.0
88	15.7	0.0	34.8

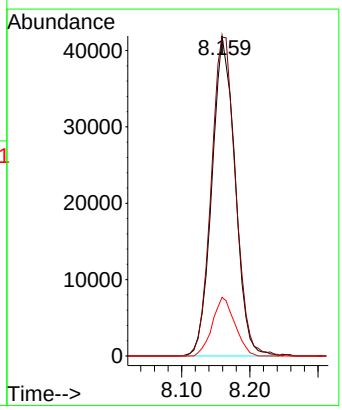


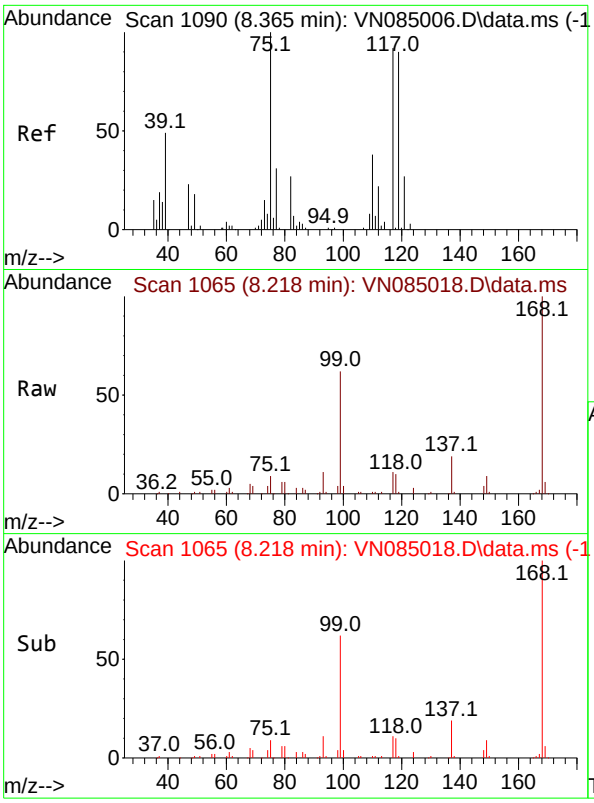


#35
Dibromofluoromethane
Concen: 48.691 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Tgt Ion:113 Resp: 99028

Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.0	123.0
192	17.8	14.8	22.2



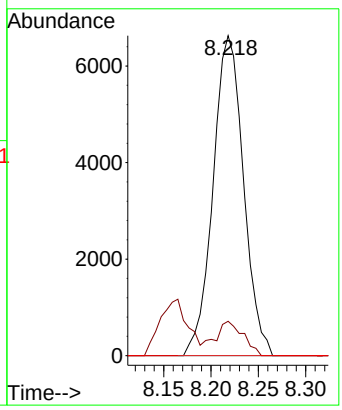


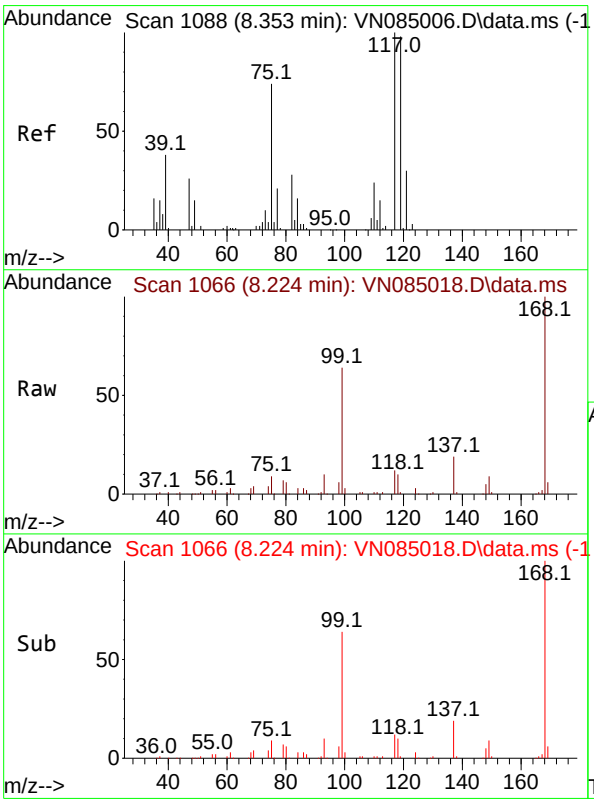
#36
1,1-Dichloropropene
Concen: 5.378 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.147 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-20241112

Tgt Ion: 75 Resp: 14814

Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.2	51.6#
77	0.0	24.2	36.4#

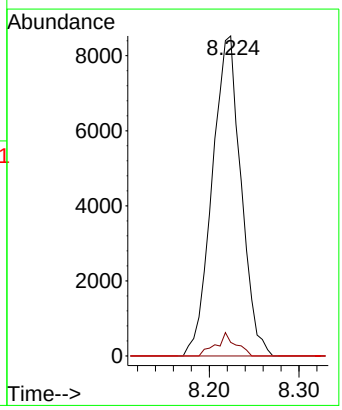


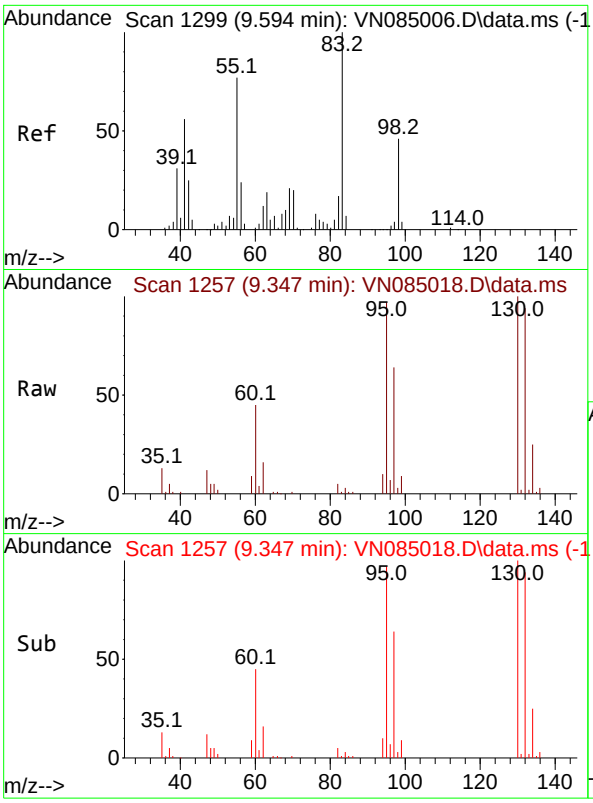


#38
Carbon Tetrachloride
Concen: 5.980 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.129 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Tgt Ion:117 Resp: 19017

Ion	Ratio	Lower	Upper
117	100		
119	4.3	78.6	117.8#
121	0.0	24.2	36.2#



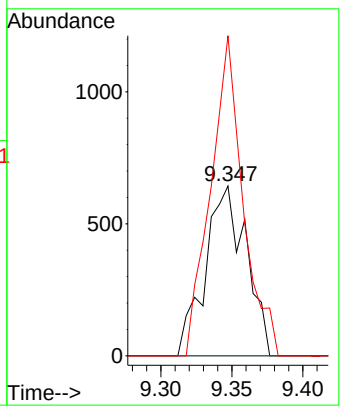


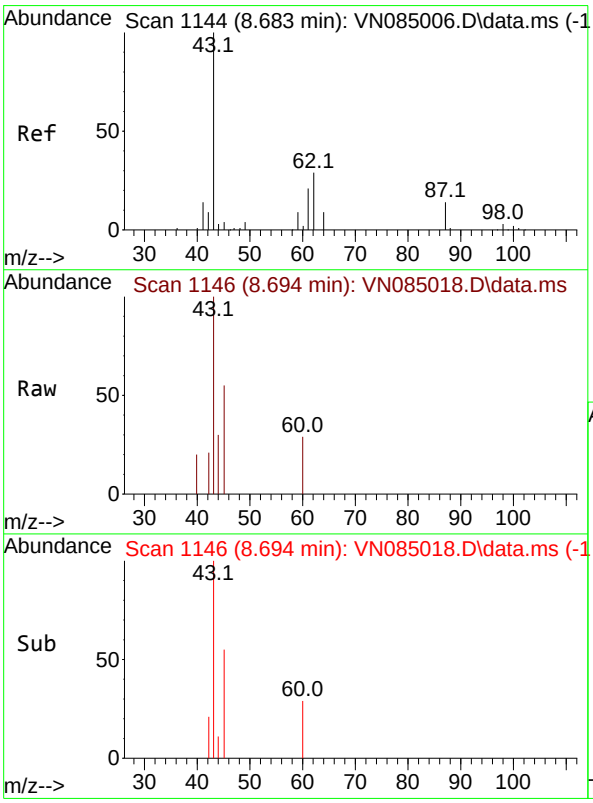
#39
Methylcyclohexane
Concen: 0.451 ug/l
RT: 9.347 min Scan# 1
Delta R.T. -0.247 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-20241112

Tgt Ion: 83 Resp: 1290

Ion	Ratio	Lower	Upper
83	100		
55	0.0	61.8	92.6#
98	188.6	37.0	55.6#

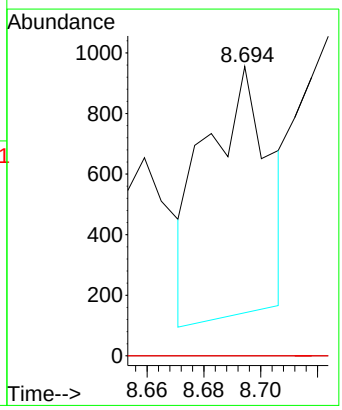


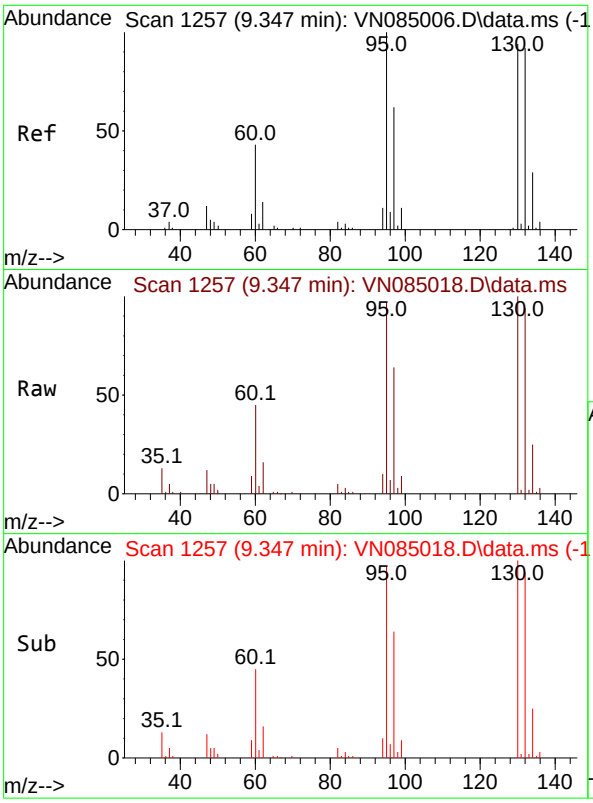


#43
Isopropyl Acetate
Concen: 0.243 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.012 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Tgt Ion: 43 Resp: 1266

Ion	Ratio	Lower	Upper
43	100		
61	0.0	20.6	30.8#
87	0.0	11.0	16.4#



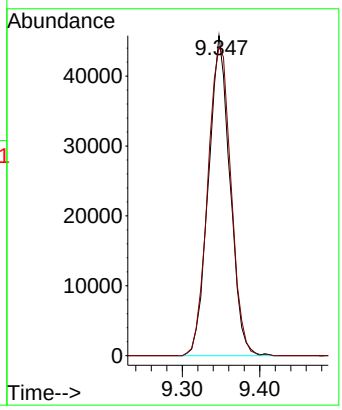


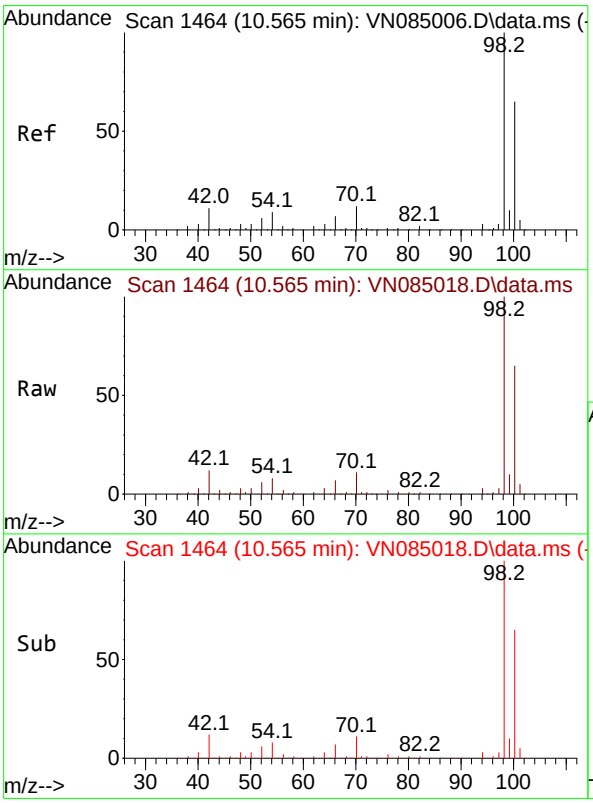
#44
Trichloroethene
Concen: 43.613 ug/l
RT: 9.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-20241112

Tgt Ion:130 Resp: 88308

Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	213.4

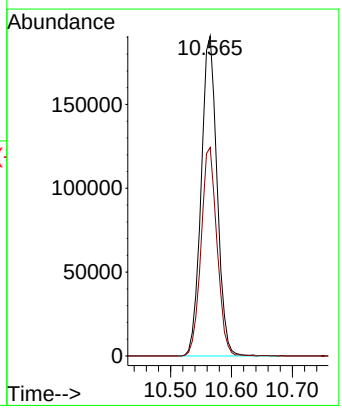


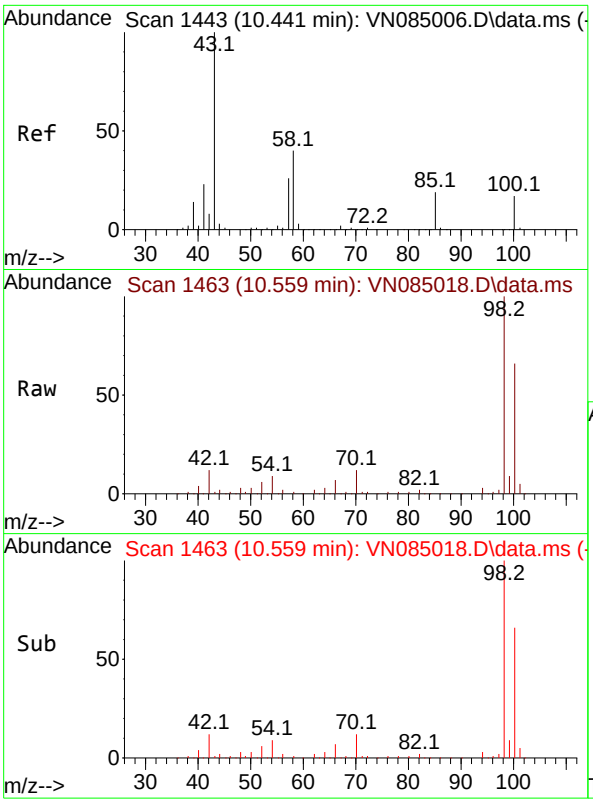


#50
Toluene-d8
Concen: 47.576 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Tgt Ion: 98 Resp: 346771

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.5	78.7



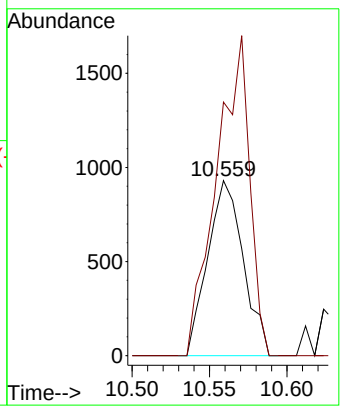


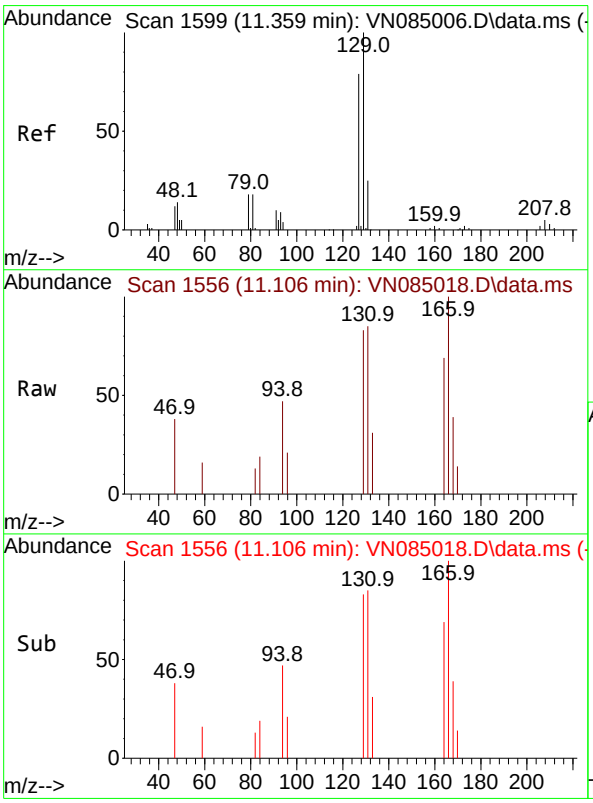
#51
4-Methyl-2-Pentanone
Concen: 0.624 ug/l
RT: 10.559 min Scan# 14
Delta R.T. 0.118 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-20241112

Tgt Ion: 43 Resp: 1483

Ion	Ratio	Lower	Upper
43	100		
58	170.3	32.1	48.1#

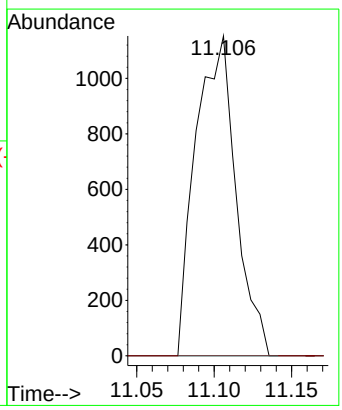


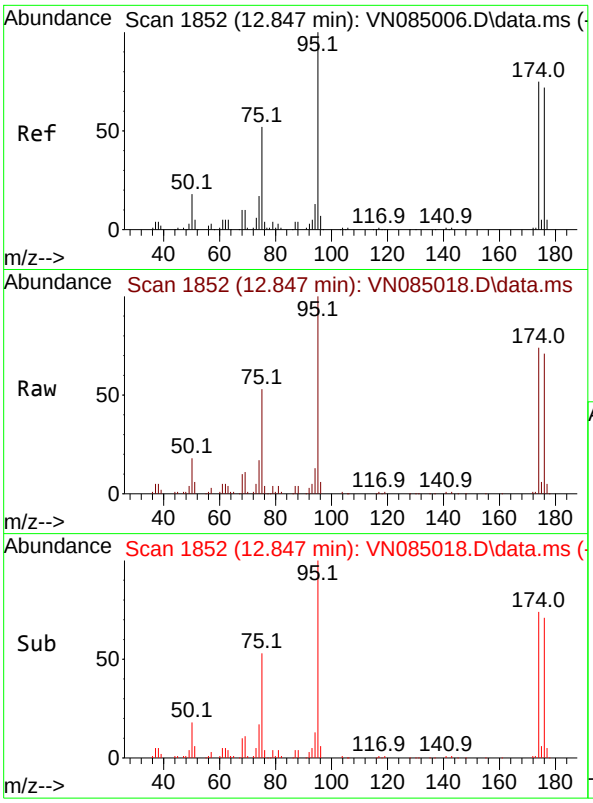


#60
Dibromochloromethane
Concen: 0.885 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.253 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Tgt Ion:129 Resp: 2078

Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.2	117.6#



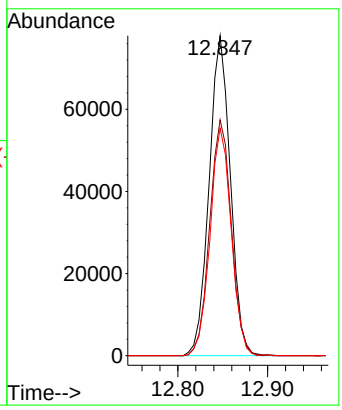


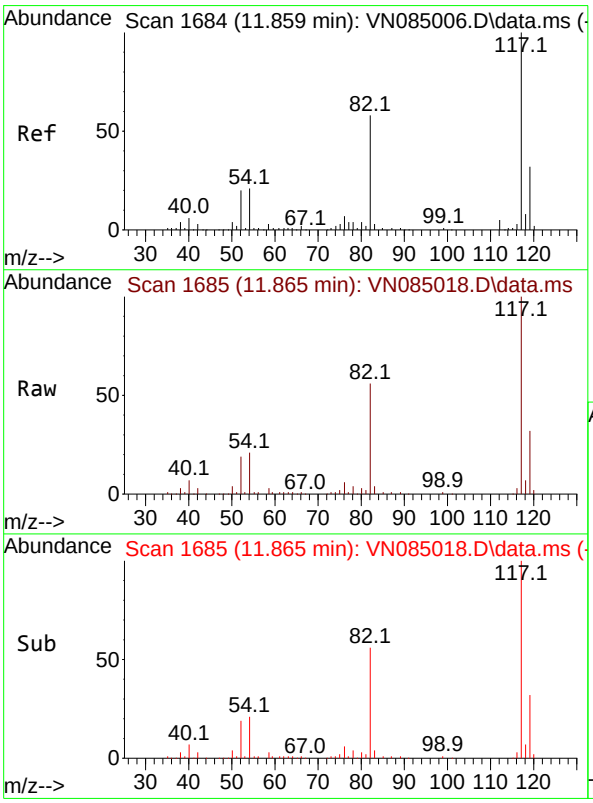
#62
4-Bromofluorobenzene
Concen: 46.950 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-20241112

Tgt Ion: 95 Resp: 127974

Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	146.6
176	70.9	0.0	141.8

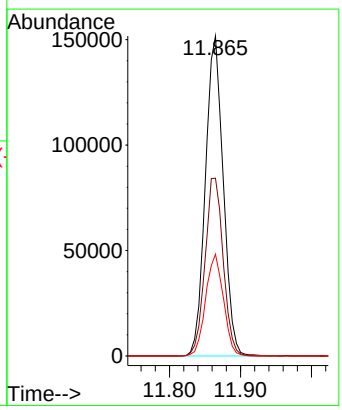


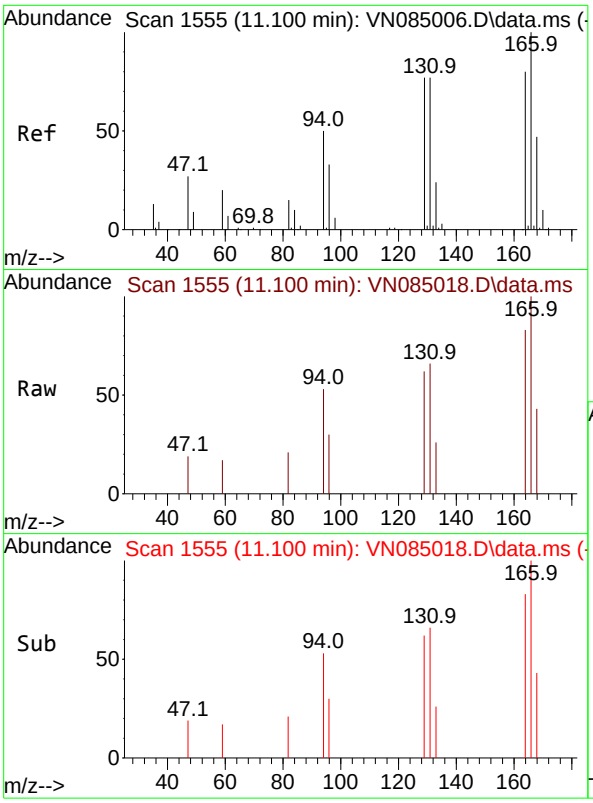


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Tgt Ion:117 Resp: 265028

Ion	Ratio	Lower	Upper
117	100		
82	55.5	46.0	69.0
119	31.8	25.6	38.4



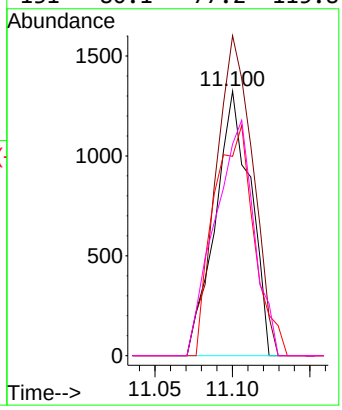


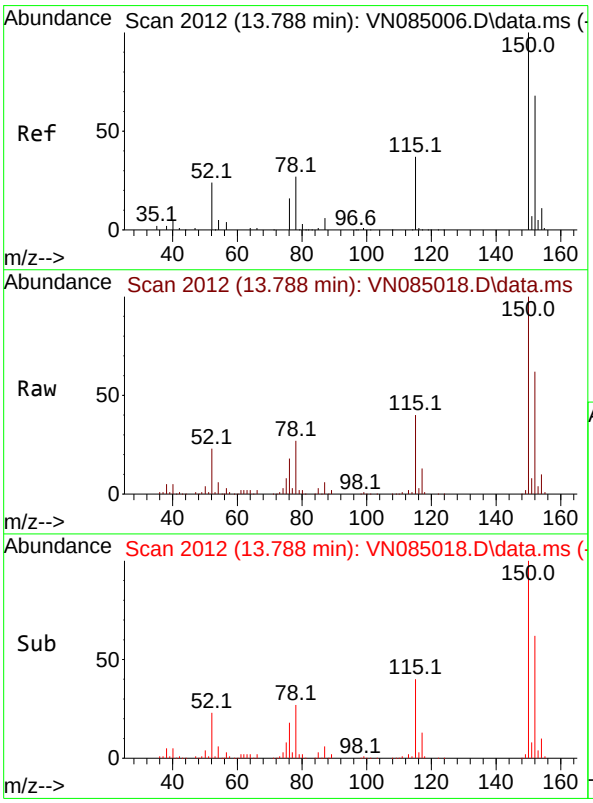
#64
Tetrachloroethene
Concen: 1.169 ug/l
RT: 11.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-20241112

Tgt Ion:164 Resp: 2087

Ion	Ratio	Lower	Upper
164	100		
166	121.0	100.6	151.0
129	75.4	77.7	116.5#
131	80.1	77.2	115.8

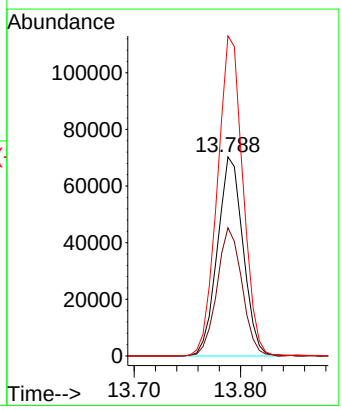


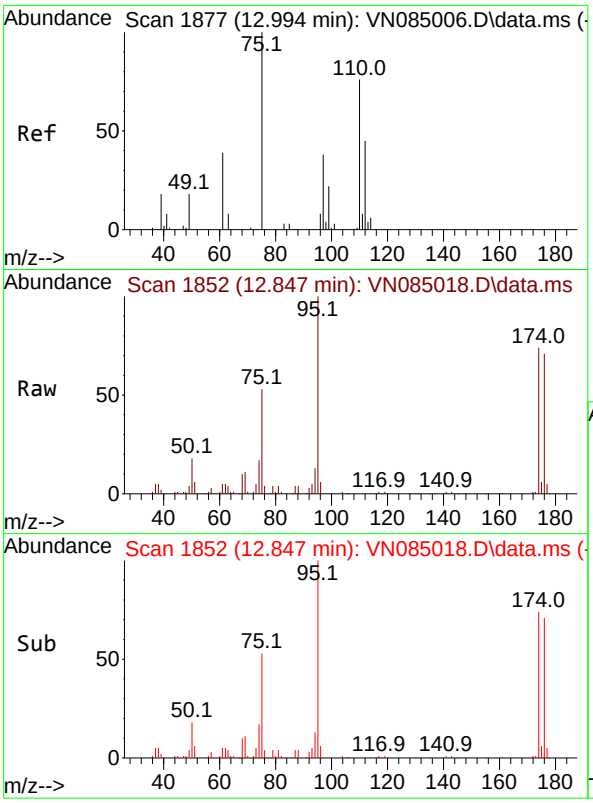


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Tgt Ion:152 Resp: 117323

Ion	Ratio	Lower	Upper
152	100		
115	62.8	31.7	95.1
150	160.3	0.0	351.4



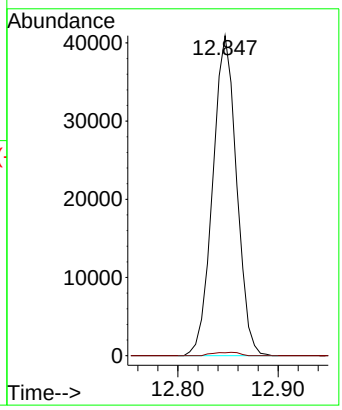


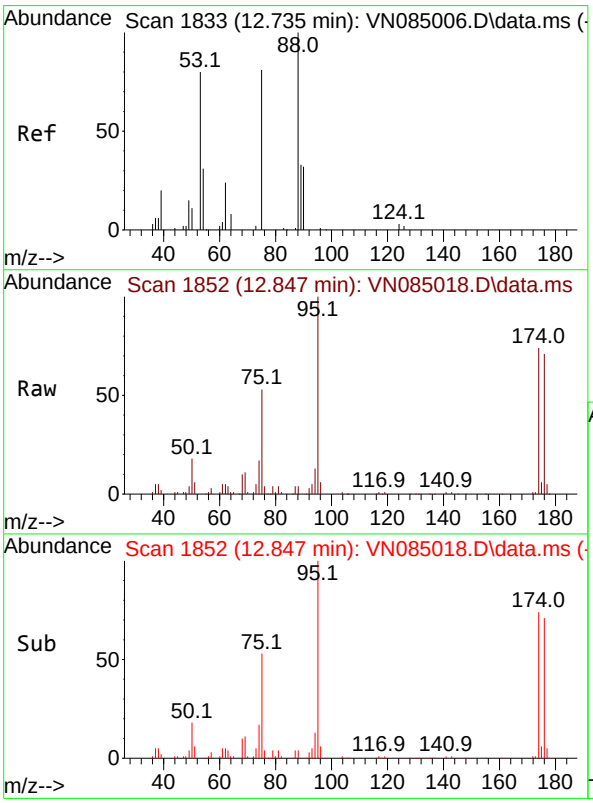
#76
1,2,3-Trichloropropane
Concen: 31.708 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.147 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-20241112

Tgt Ion: 75 Resp: 67665

Ion	Ratio	Lower	Upper
75	100		
77	1.2	109.1	327.4#

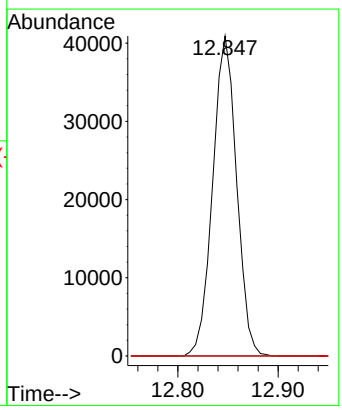


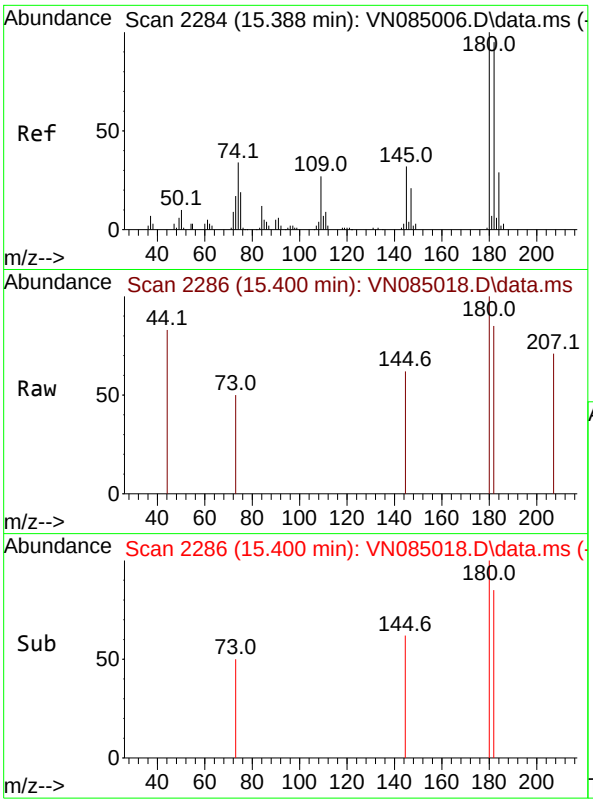


#81
trans-1,4-Dichloro-2-butene
Concen: 69.997 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Tgt Ion: 75 Resp: 67665

Ion	Ratio	Lower	Upper
75	100		
53	0.0	78.2	117.4#
89	0.0	37.9	56.9#



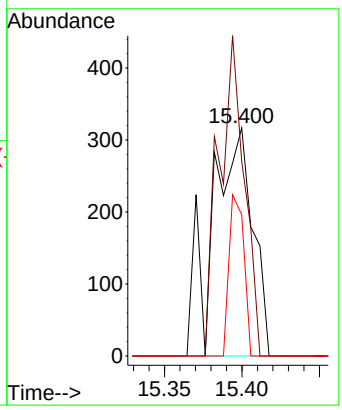


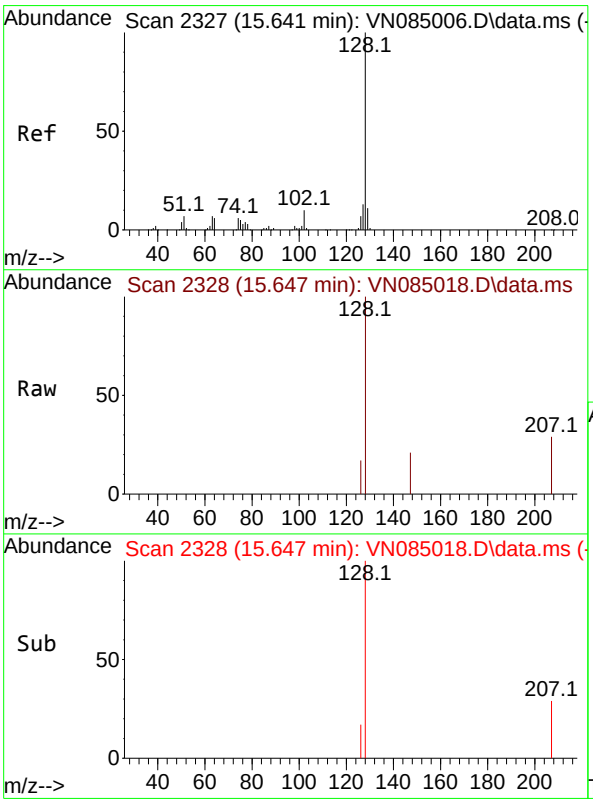
#93
1,2,4-Trichlorobenzene
Concen: 0.254 ug/l
RT: 15.400 min Scan# 2
Delta R.T. 0.012 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-20241112

Tgt Ion:180 Resp: 581

Ion	Ratio	Lower	Upper
180	100		
182	87.3	46.9	140.8
145	25.5	16.3	48.8

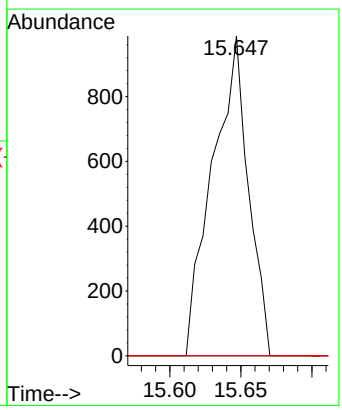


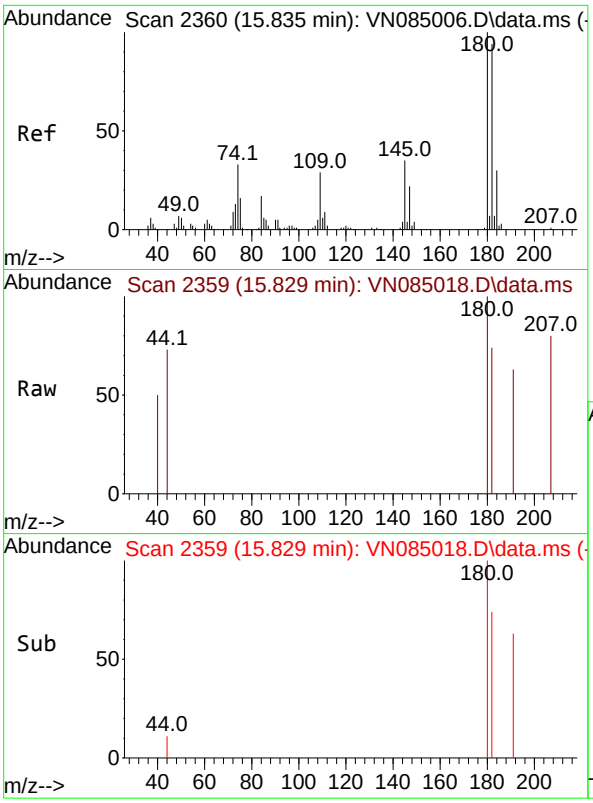


#95
Naphthalene
Concen: 0.267 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Tgt Ion:128 Resp: 1736

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	12.8#



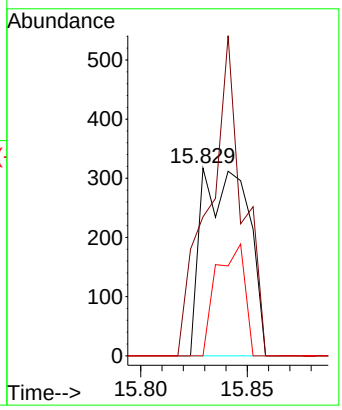


#96
1,2,3-Trichlorobenzene
Concen: 0.222 ug/l
RT: 15.829 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-18-20241112

Tgt Ion:180 Resp: 485

Ion	Ratio	Lower	Upper
180	100		
182	123.5	46.4	139.2
145	36.1	17.3	52.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085019.D
Acq On : 22 Nov 2024 20:29
Operator : JC\MD
Sample : P4845-24
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-20-20241112

Quant Time: Nov 23 03:27:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

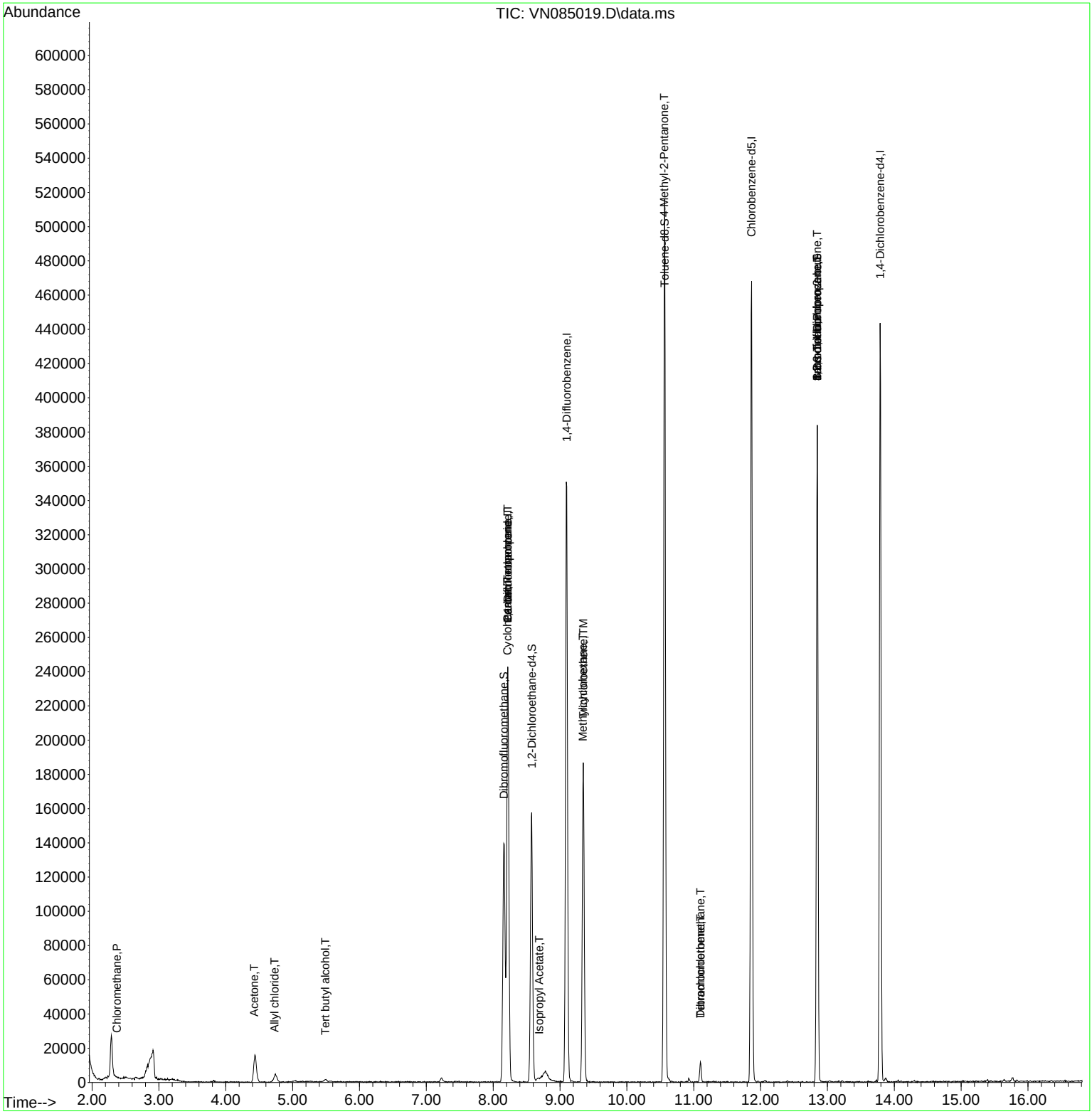
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	172730	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	301491	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	267127	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	119597	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127888	51.978	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.960%			
35) Dibromofluoromethane	8.159	113	100722	49.540	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.080%			
50) Toluene-d8	10.565	98	349119	47.914	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.820%			
62) 4-Bromofluorobenzene	12.847	95	135797	49.836	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.680%			
Target Compounds						Qvalue
3) Chloromethane	2.371	50	570	0.252	ug/l #	40
11) Tert butyl alcohol	5.489	59	1359	4.133	ug/l #	75
14) Allyl chloride	4.730	41	727	0.235	ug/l #	61
16) Acetone	4.424	43	1376	1.920	ug/l #	77
18) Methyl Acetate	5.024	43	1631	Below Cal	#	65
31) Cyclohexane	8.212	56	3879	1.184	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14845	5.391	ug/l #	51
38) Carbon Tetrachloride	8.218	117	18578	5.844	ug/l #	15
39) Methylcyclohexane	9.341	83	909	0.318	ug/l #	1
43) Isopropyl Acetate	8.688	43	2401	0.462	ug/l #	55
44) Trichloroethene	9.347	130	67963	33.576	ug/l	98
51) 4-Methyl-2-Pentanone	10.559	43	1512	0.637	ug/l #	1
60) Dibromochloromethane	11.100	129	2625	1.118	ug/l #	10
64) Tetrachloroethene	11.100	164	2648	1.471	ug/l	96
71) Bromoform	12.847	173	1035	0.654	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	70147	32.246	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70147	71.185	ug/l #	10

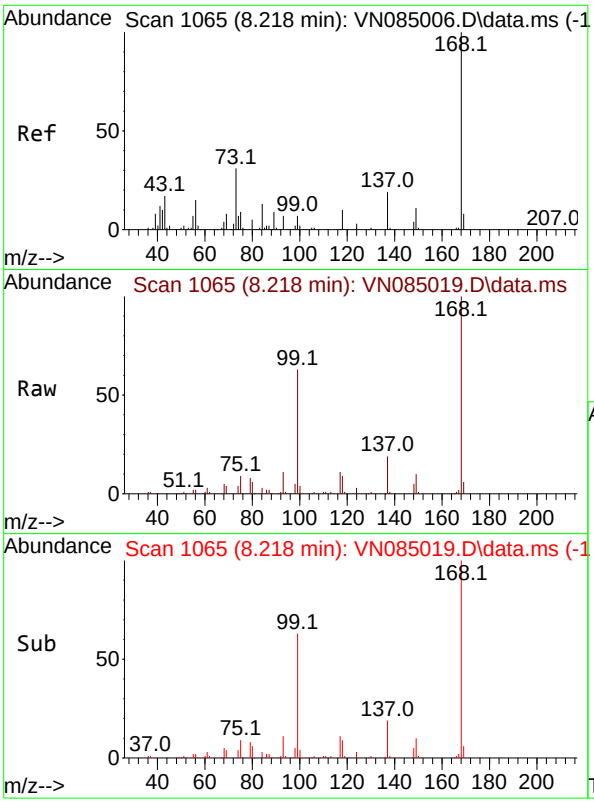
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085019.D
Acq On : 22 Nov 2024 20:29
Operator : JC\MD
Sample : P4845-24
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-20-20241112

Quant Time: Nov 23 03:27:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



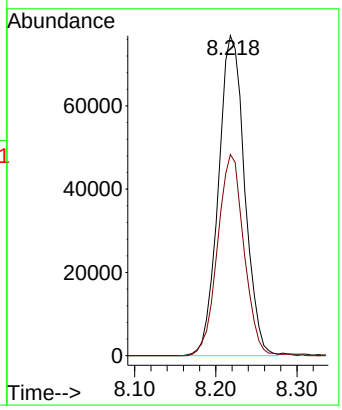


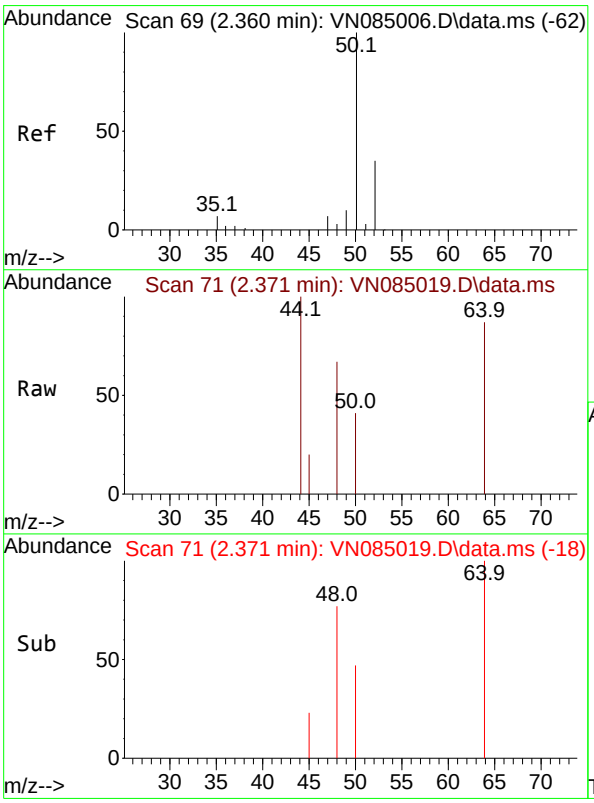
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-20-20241112

Tgt Ion:168 Resp: 172730

Ion	Ratio	Lower	Upper
168	100		
99	62.8	51.2	76.8

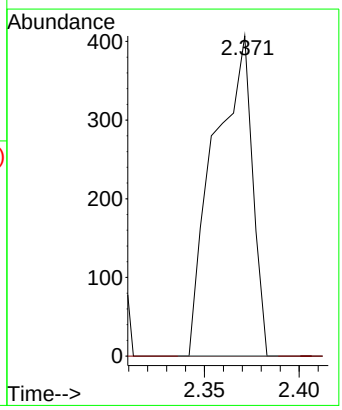


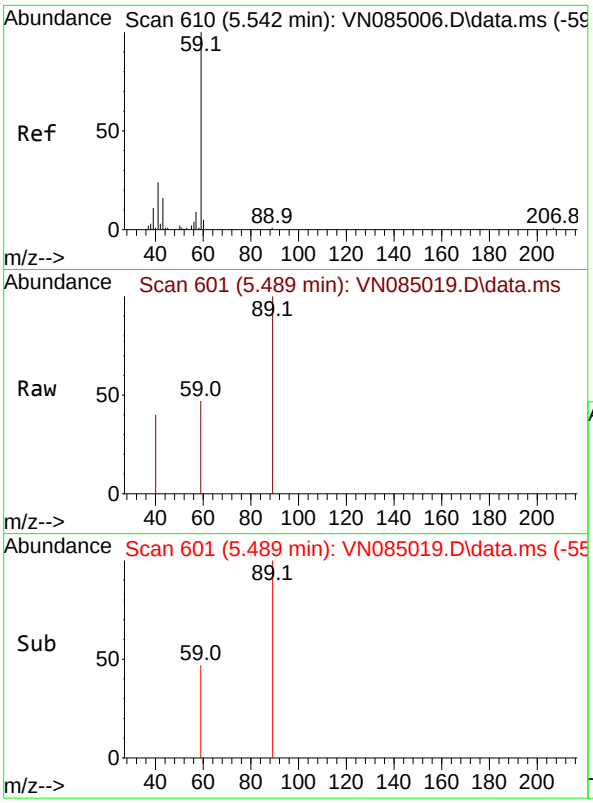


#3
Chloromethane
Concen: 0.252 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Tgt Ion: 50 Resp: 570

Ion	Ratio	Lower	Upper
50	100		
52	0.0	27.8	41.8#



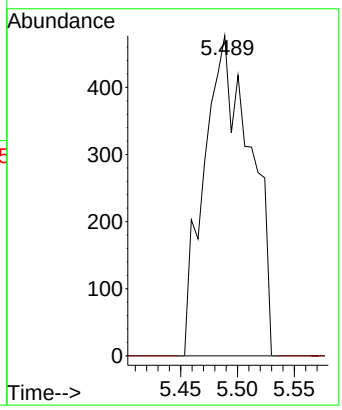


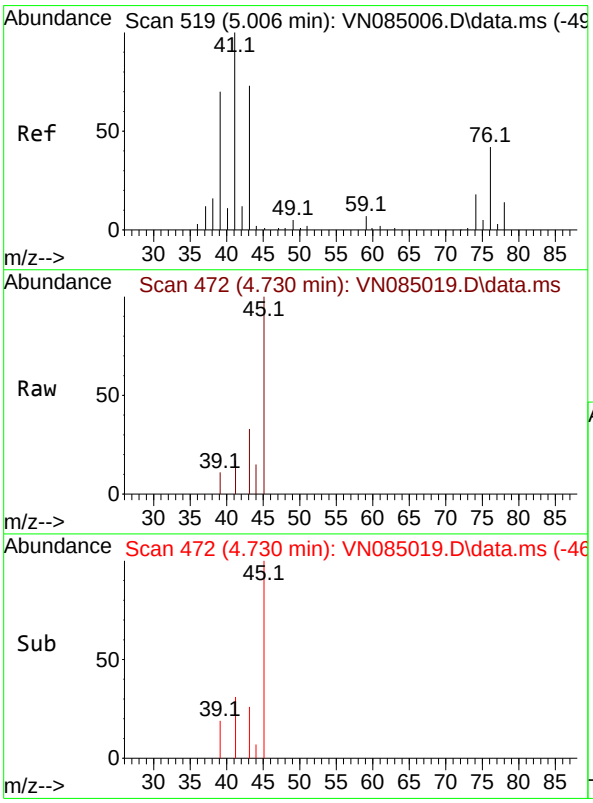
#11
Tert butyl alcohol
Concen: 4.133 ug/l
RT: 5.489 min Scan# 6
Delta R.T. -0.053 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-20-20241112

Tgt Ion: 59 Resp: 1359

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.4	11.0#

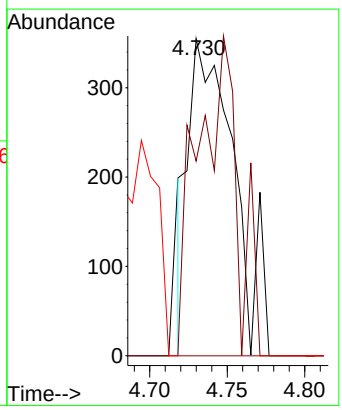


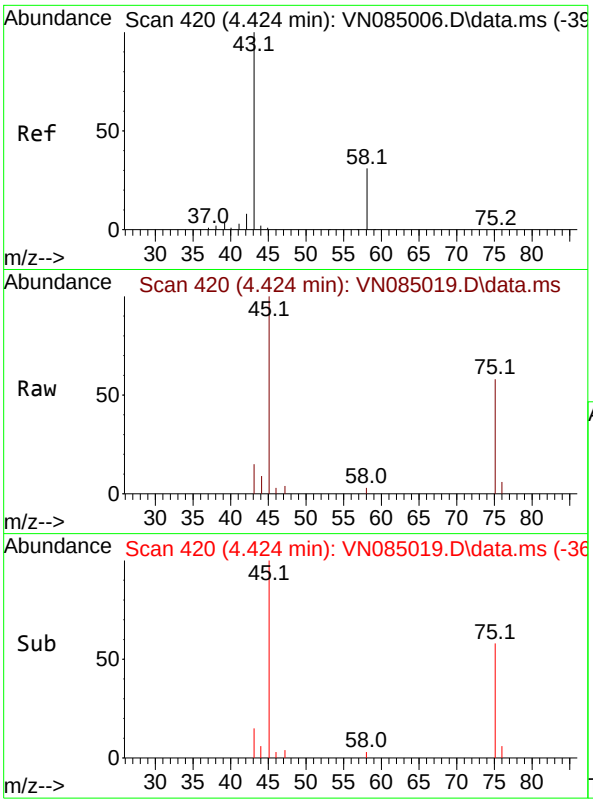


#14
Allyl chloride
Concen: 0.235 ug/l
RT: 4.730 min Scan# 472
Delta R.T. -0.276 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Tgt Ion: 41 Resp: 727

Ion	Ratio	Lower	Upper
41	100		
39	88.4	53.8	80.8#
76	0.0	29.3	43.9#



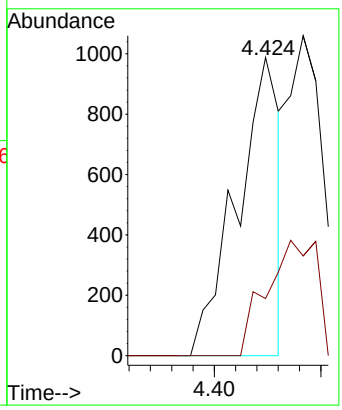


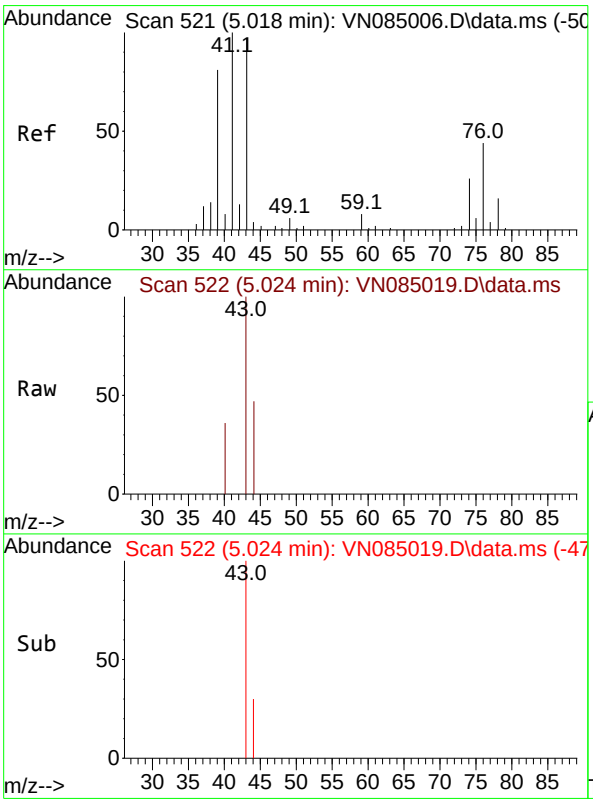
#16
Acetone
Concen: 1.920 ug/l
RT: 4.424 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-20-20241112

Tgt Ion: 43 Resp: 1376

Ion	Ratio	Lower	Upper
43	100		
58	19.1	25.4	38.2#

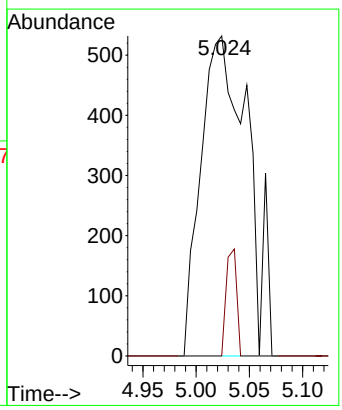


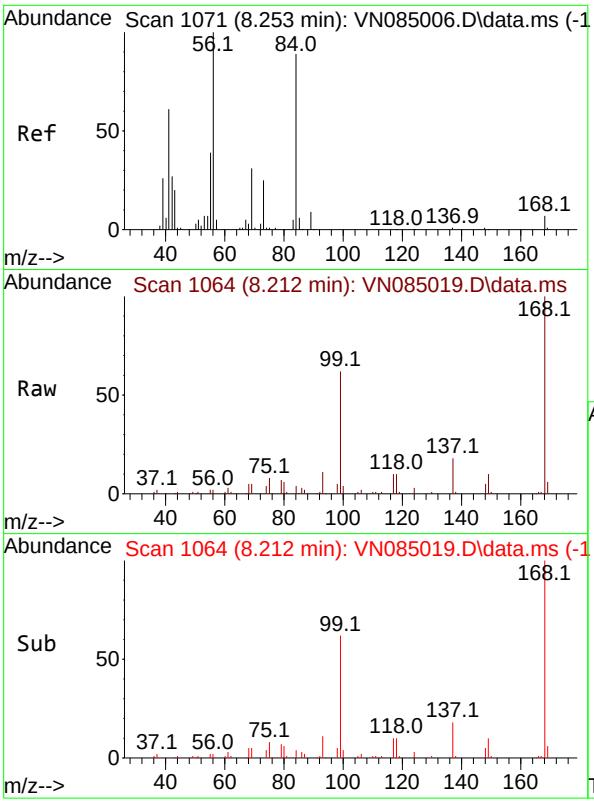


#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Tgt Ion: 43 Resp: 1631

Ion	Ratio	Lower	Upper
43	100		
74	7.4	20.1	30.1#



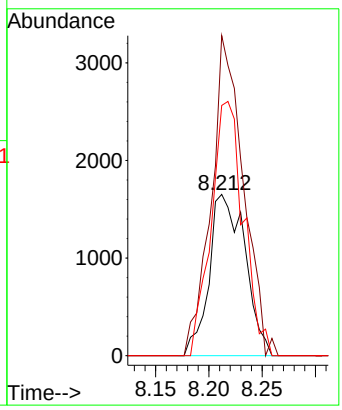


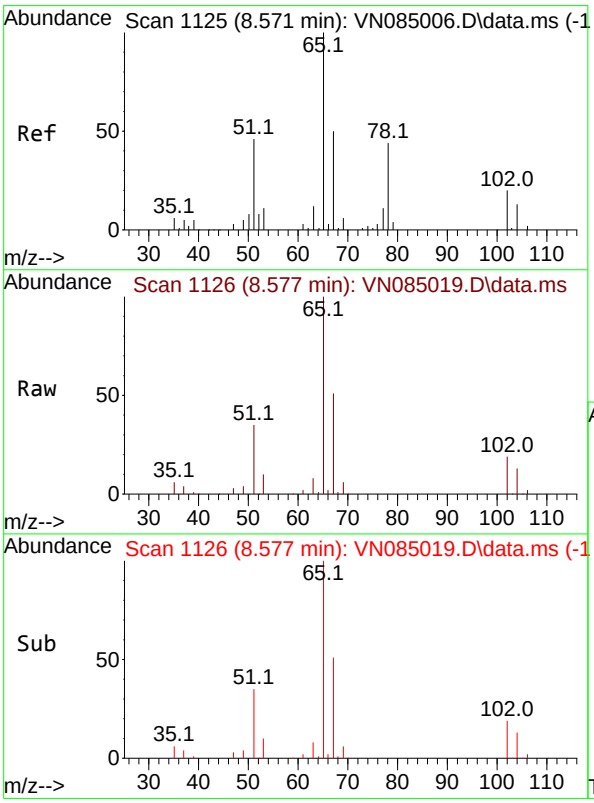
#31
Cyclohexane
Concen: 1.184 ug/l
RT: 8.212 min Scan# 1
Delta R.T. -0.041 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-20-20241112

Tgt Ion: 56 Resp: 3879

Ion	Ratio	Lower	Upper
56	100		
69	198.4	24.6	36.8#
84	155.2	71.4	107.2#

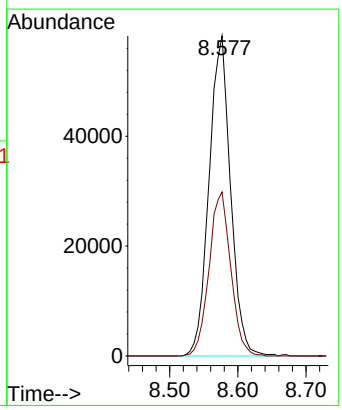


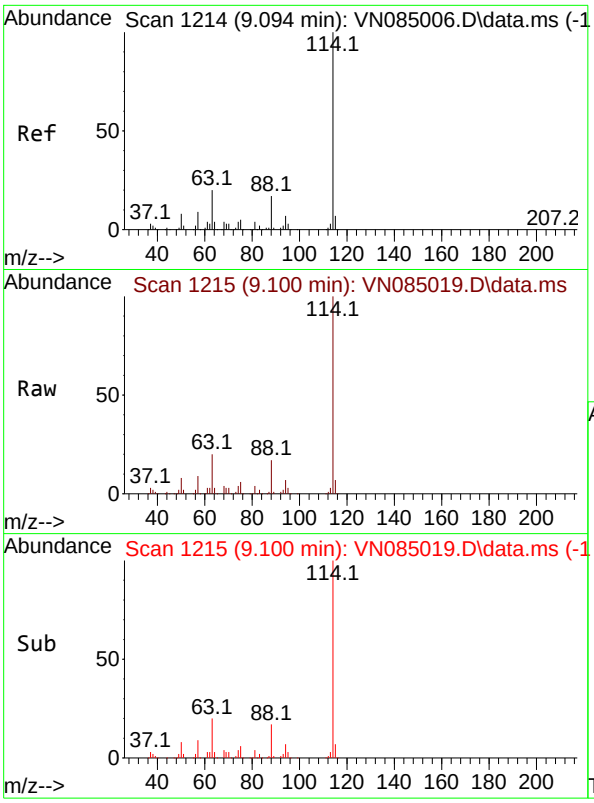


#33
1,2-Dichloroethane-d4
Concen: 51.978 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Tgt Ion: 65 Resp: 127888

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	105.0



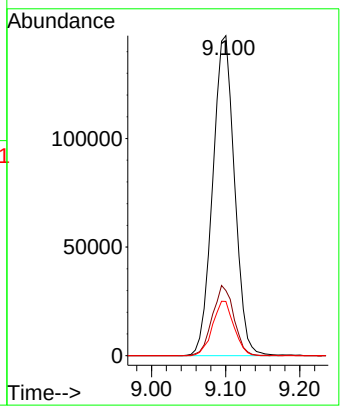


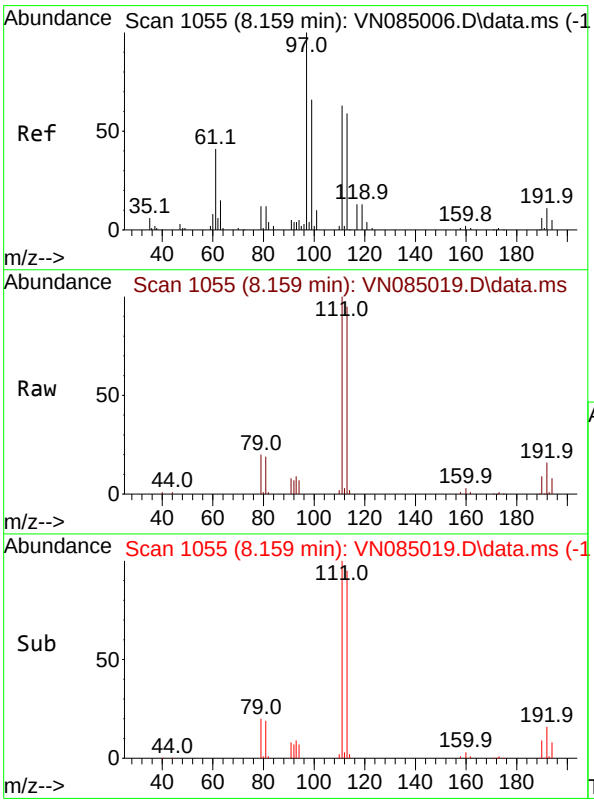
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-20-20241112

Tgt Ion:114 Resp: 301491

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	41.0
88	16.9	0.0	34.8

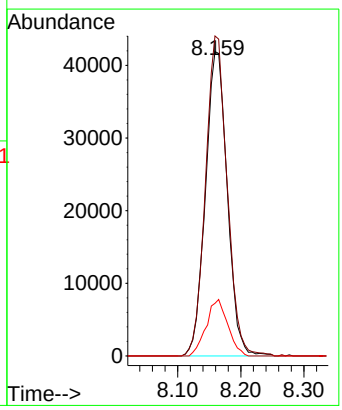


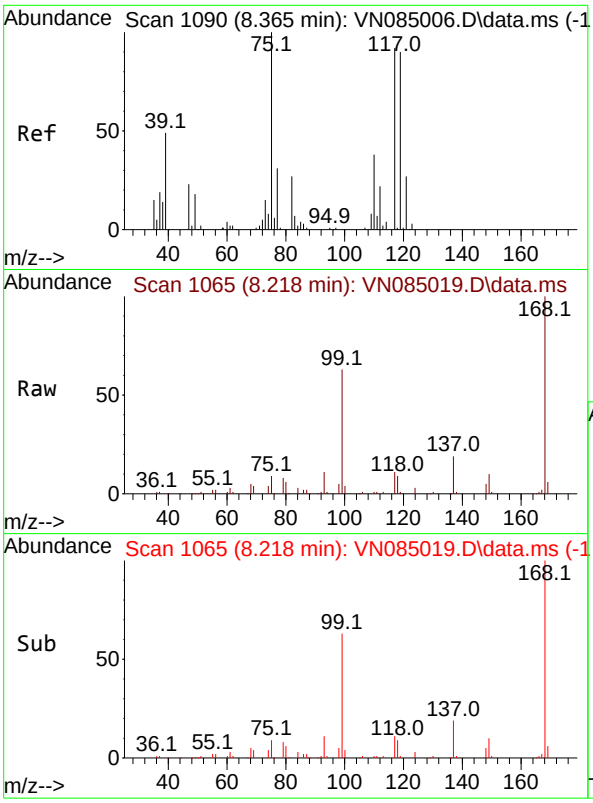


#35
Dibromofluoromethane
Concen: 49.540 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Tgt Ion:113 Resp: 100722

Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.0	123.0
192	18.3	14.8	22.2



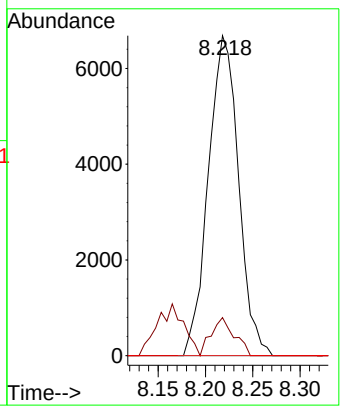


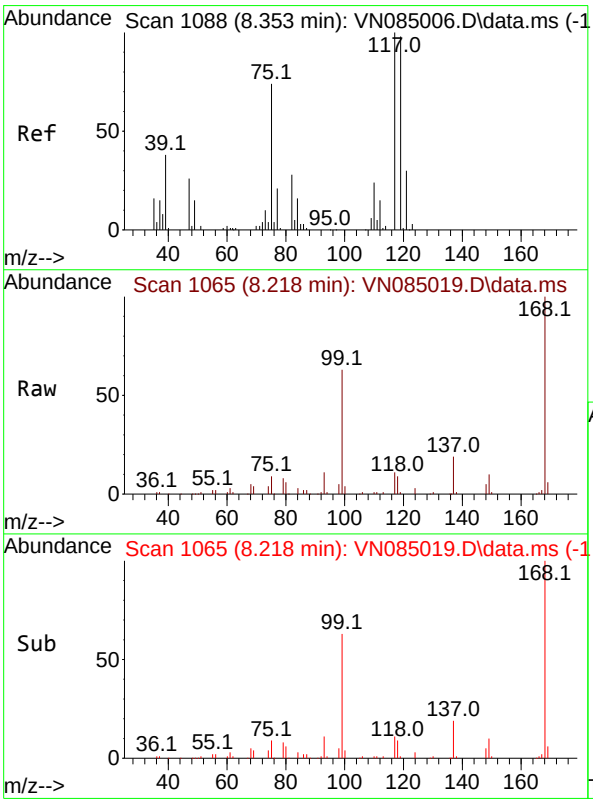
#36
1,1-Dichloropropene
Concen: 5.391 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.147 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-20-20241112

Tgt Ion: 75 Resp: 14845

Ion	Ratio	Lower	Upper
75	100		
110	9.1	17.2	51.6#
77	0.0	24.2	36.4#

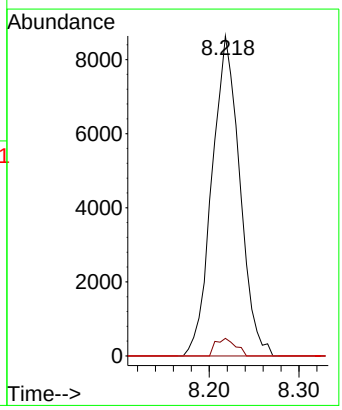


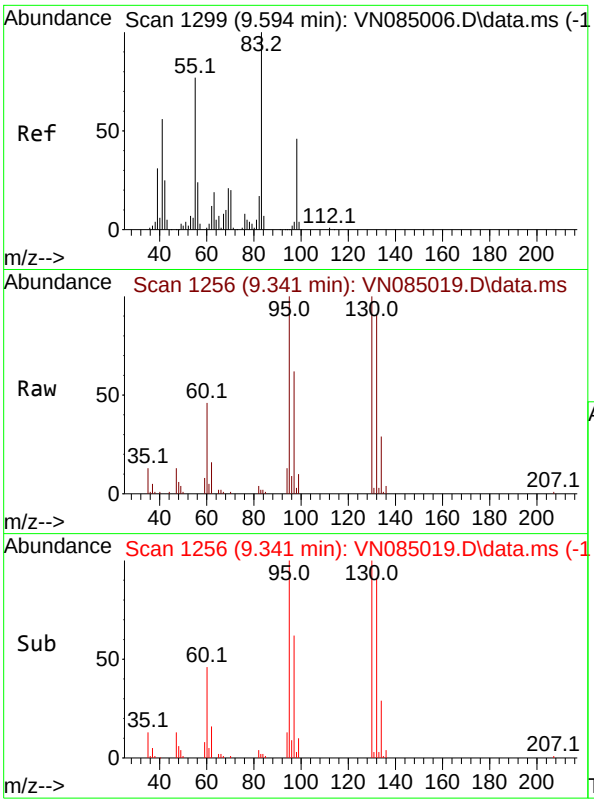


#38
Carbon Tetrachloride
Concen: 5.844 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.135 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Tgt Ion:117 Resp: 18578

Ion	Ratio	Lower	Upper
117	100		
119	5.5	78.6	117.8#
121	0.0	24.2	36.2#



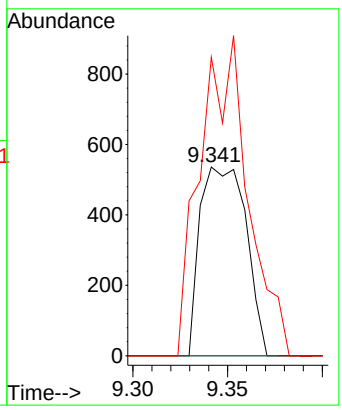


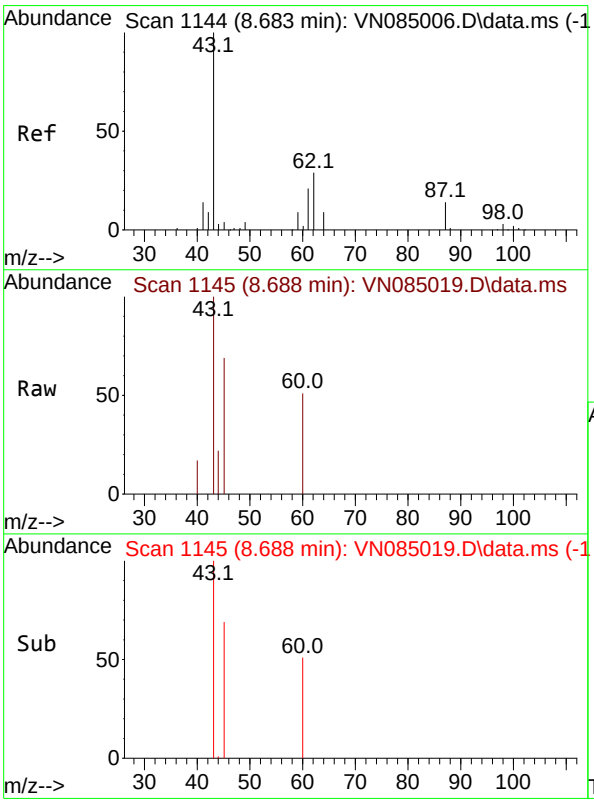
#39
Methylcyclohexane
Concen: 0.318 ug/l
RT: 9.341 min Scan# 1
Delta R.T. -0.253 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-20-20241112

Tgt Ion: 83 Resp: 909

Ion	Ratio	Lower	Upper
83	100		
55	0.0	61.8	92.6#
98	158.2	37.0	55.6#

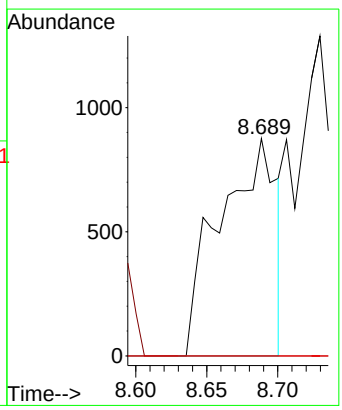


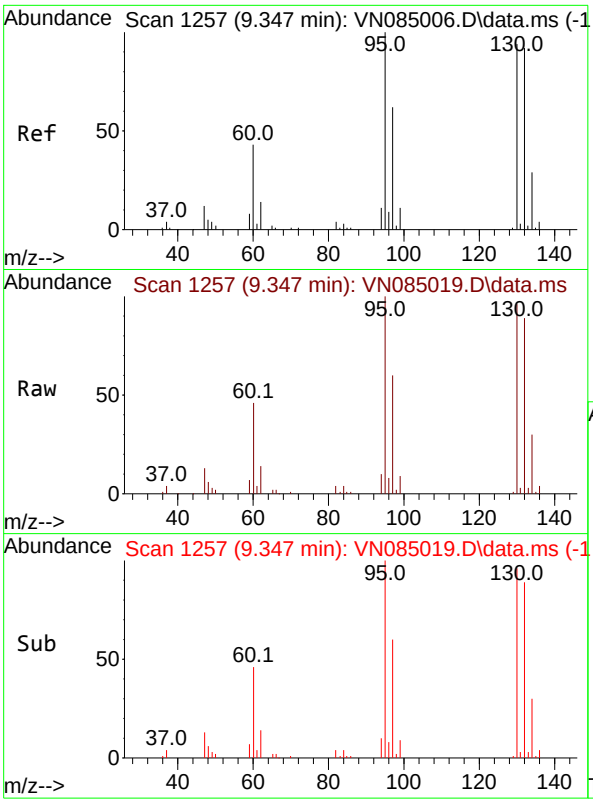


#43
Isopropyl Acetate
Concen: 0.462 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Tgt Ion: 43 Resp: 2401

Ion	Ratio	Lower	Upper
43	100		
61	0.0	20.6	30.8#
87	0.0	11.0	16.4#



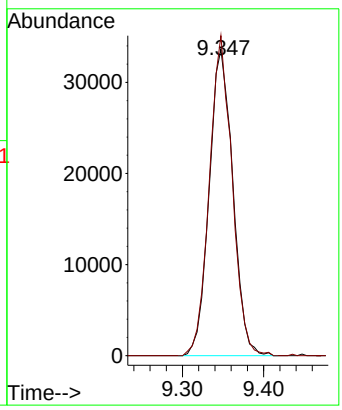


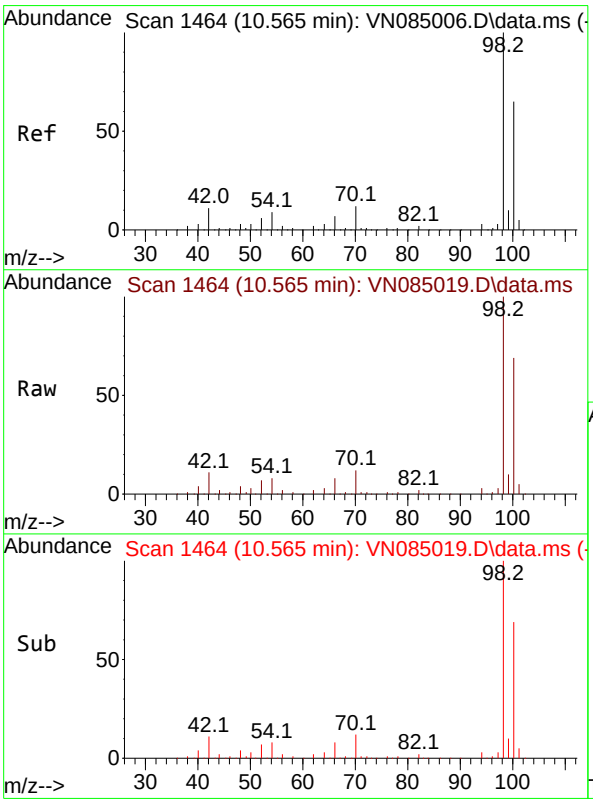
#44
Trichloroethene
Concen: 33.576 ug/l
RT: 9.347 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-20-20241112

Tgt Ion:130 Resp: 67963

Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	213.4

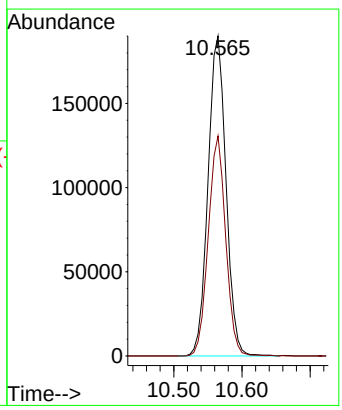


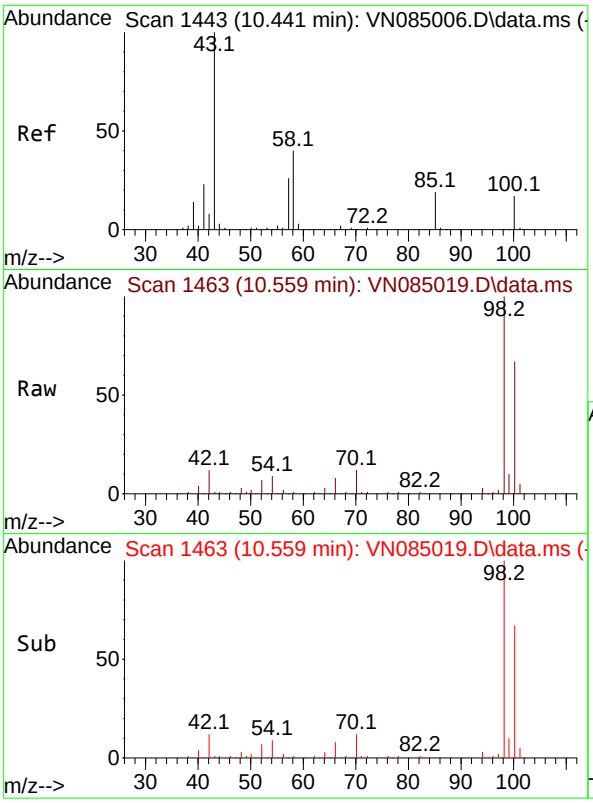


#50
Toluene-d8
Concen: 47.914 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Tgt Ion: 98 Resp: 349119

Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.5	78.7



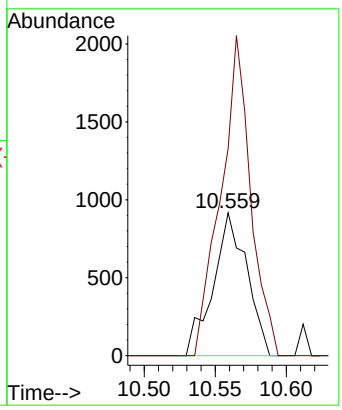


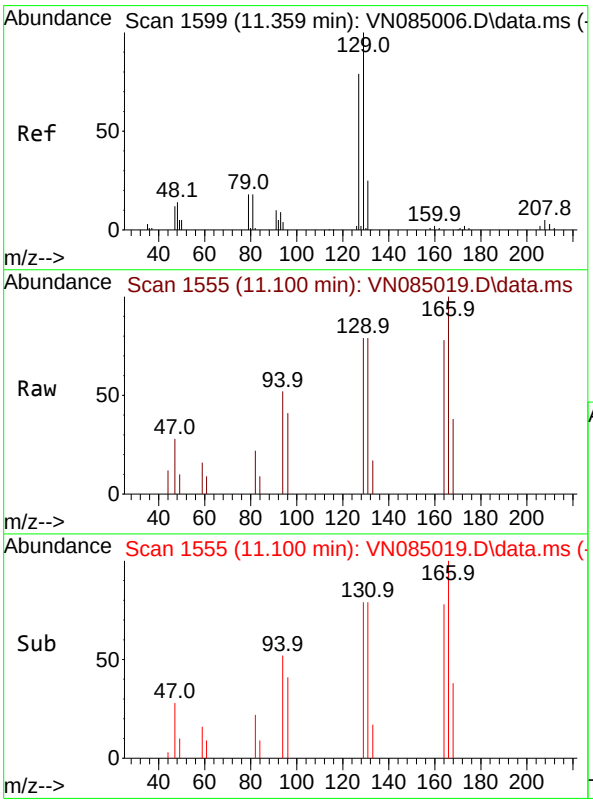
#51
4-Methyl-2-Pentanone
Concen: 0.637 ug/l
RT: 10.559 min Scan# 14
Delta R.T. 0.118 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-20-20241112

Tgt Ion: 43 Resp: 1512

Ion	Ratio	Lower	Upper
43	100		
58	198.7	32.1	48.1#

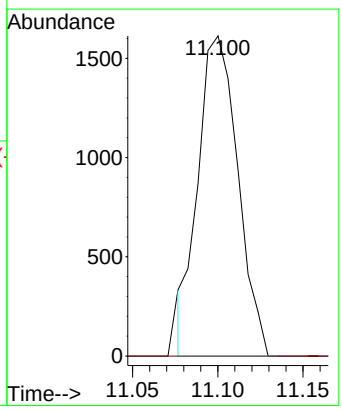


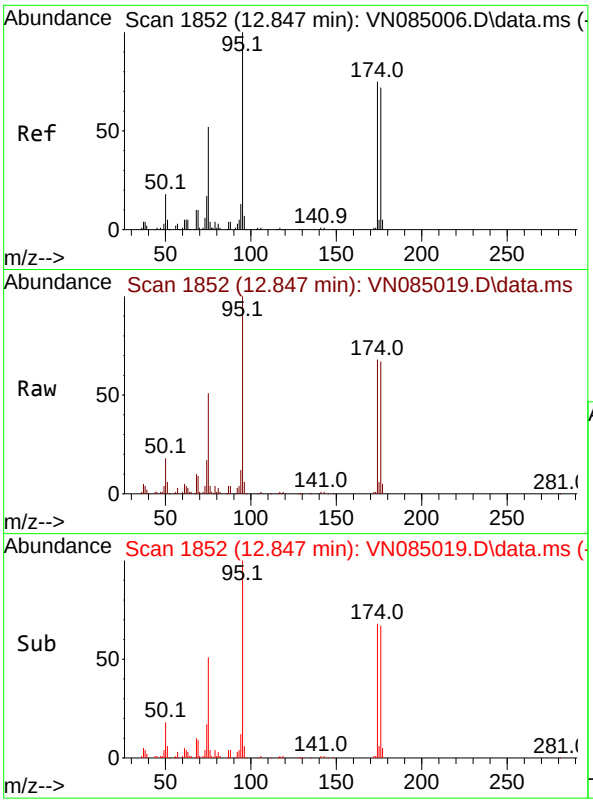


#60
Dibromochloromethane
Concen: 1.118 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.259 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Tgt Ion:129 Resp: 2625

Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.2	117.6#



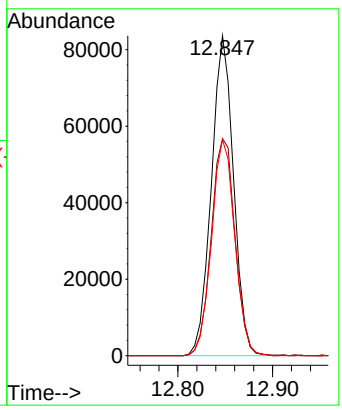


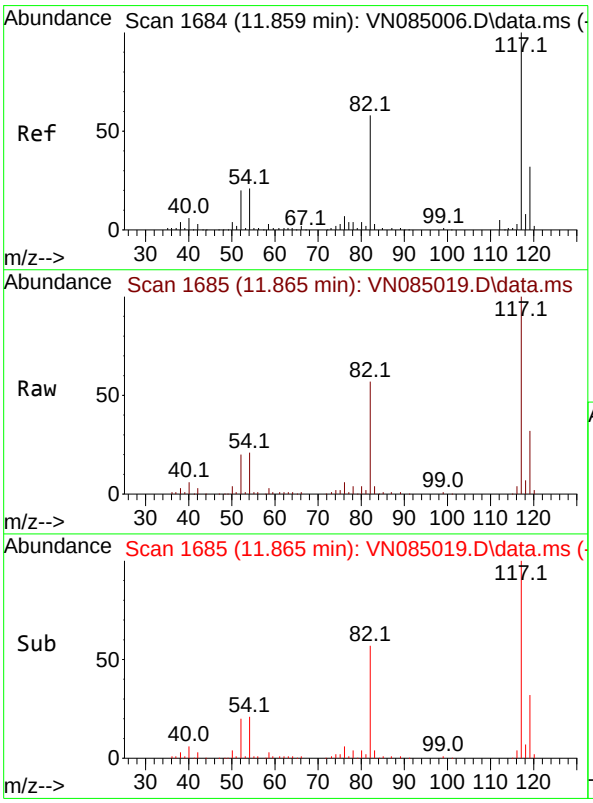
#62
4-Bromofluorobenzene
Concen: 49.836 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-20-20241112

Tgt Ion: 95 Resp: 135797

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	146.6
176	70.7	0.0	141.8

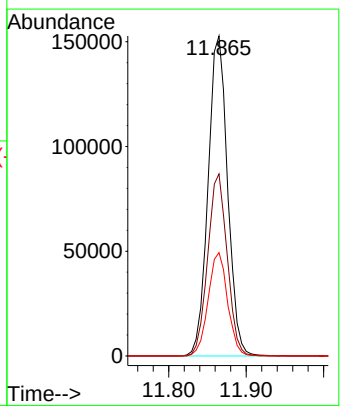


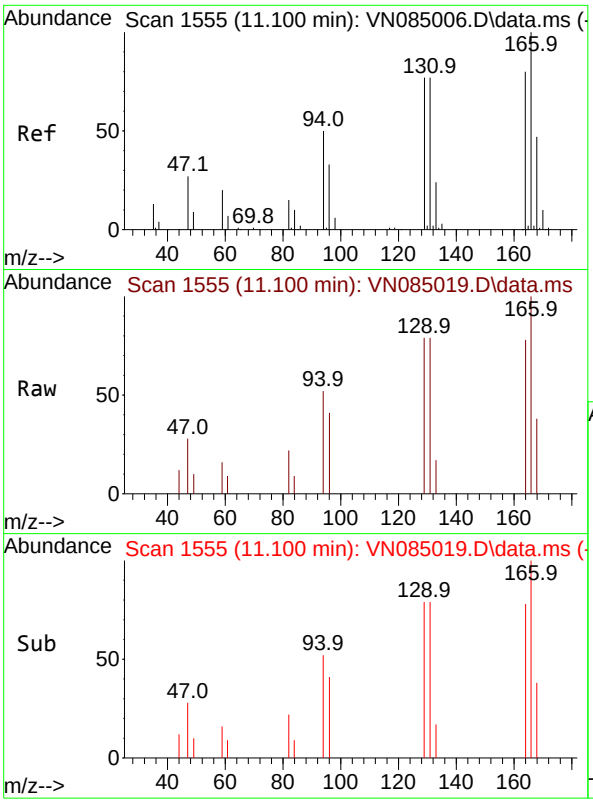


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Tgt Ion:117 Resp: 267127

Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.0	69.0
119	32.3	25.6	38.4



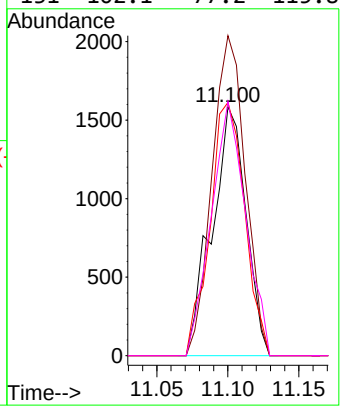


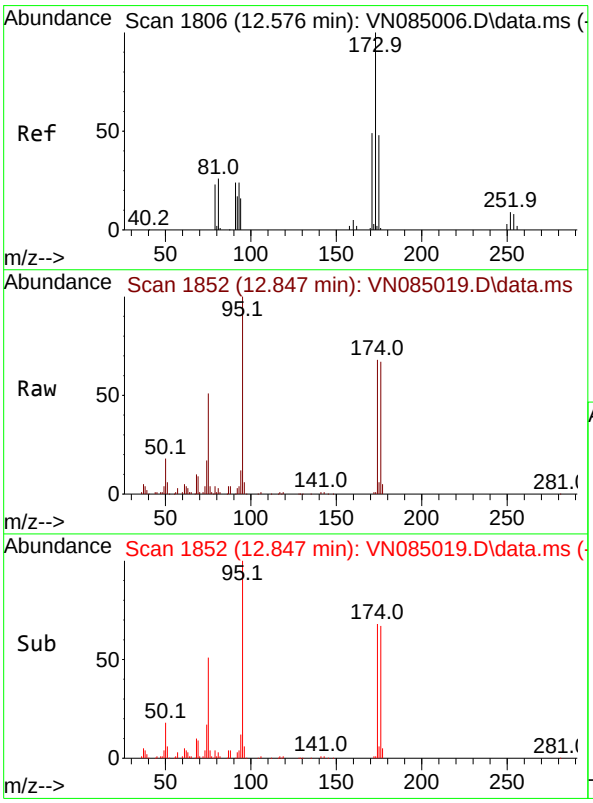
#64
Tetrachloroethene
Concen: 1.471 ug/l
RT: 11.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-20-20241112

Tgt Ion:164 Resp: 2648

Ion	Ratio	Lower	Upper
164	100		
166	128.6	100.6	151.0
129	101.8	77.7	116.5
131	102.1	77.2	115.8

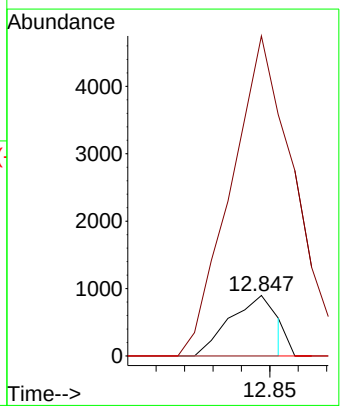


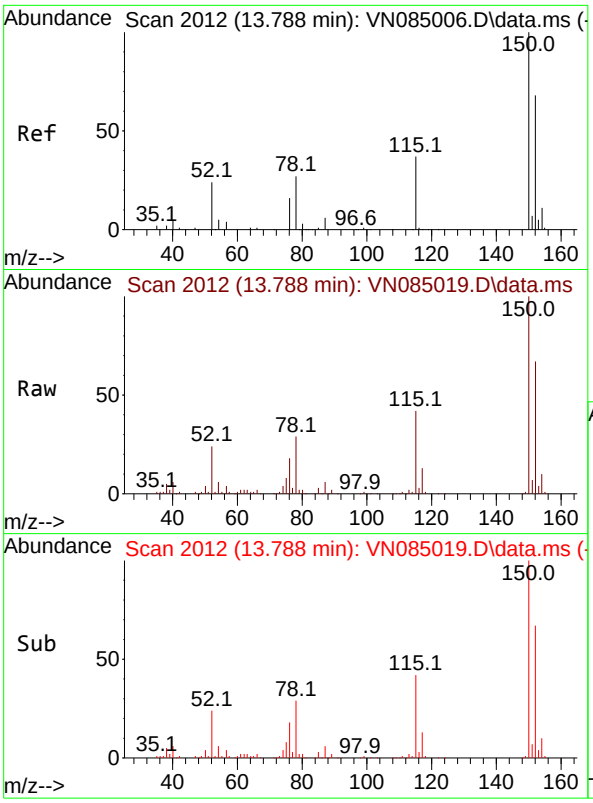


#71
Bromoform
Concen: 0.654 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Tgt Ion:173 Resp: 1035

Ion	Ratio	Lower	Upper
173	100		
175	542.4	23.8	71.2#
254	0.0	0.0	0.0



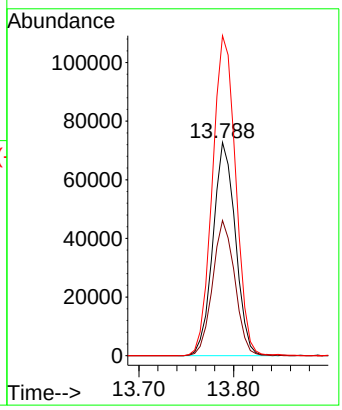


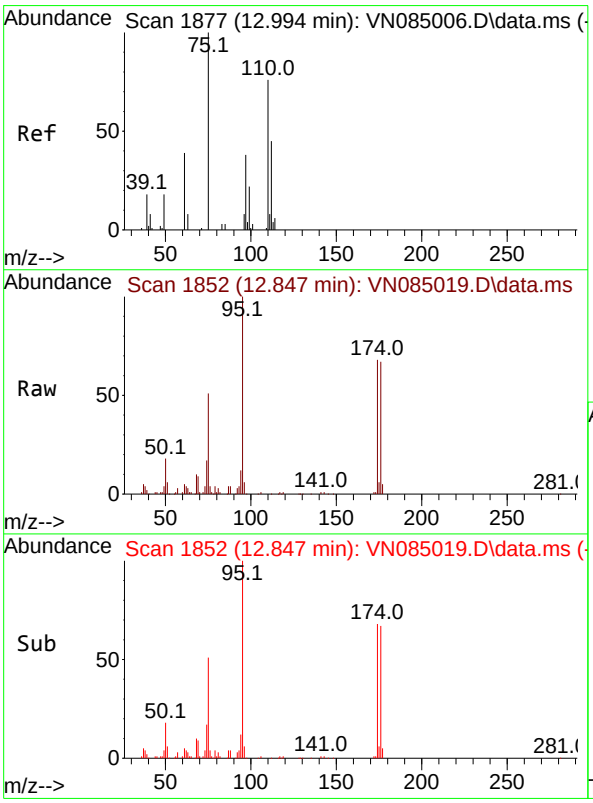
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-20-20241112

Tgt Ion:152 Resp: 119597

Ion	Ratio	Lower	Upper
152	100		
115	62.8	31.7	95.1
150	156.0	0.0	351.4

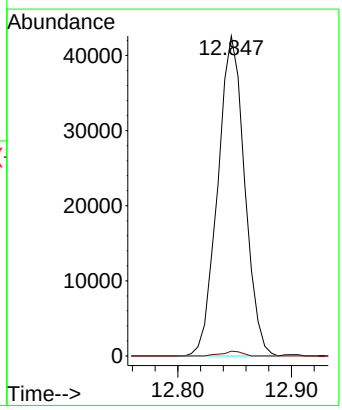


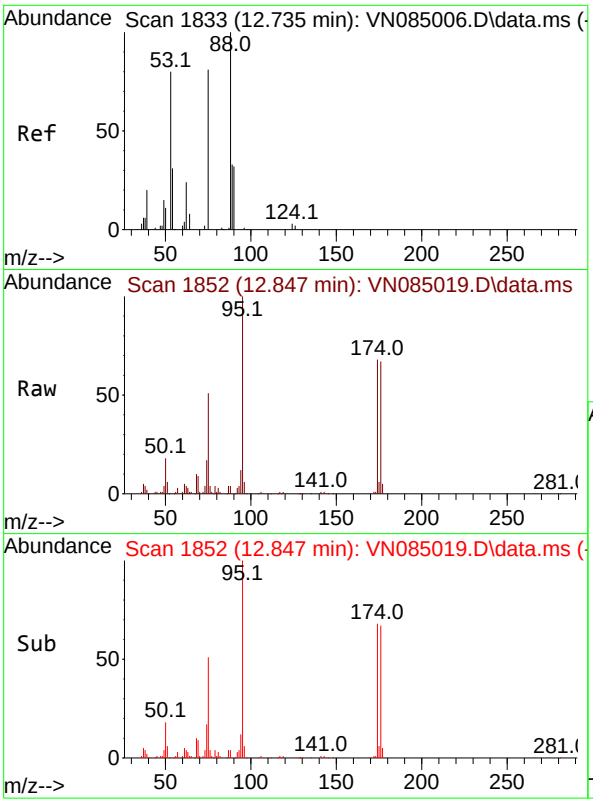


#76
1,2,3-Trichloropropane
Concen: 32.246 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Tgt Ion: 75 Resp: 70147

Ion	Ratio	Lower	Upper
75	100		
77	1.1	109.1	327.4#



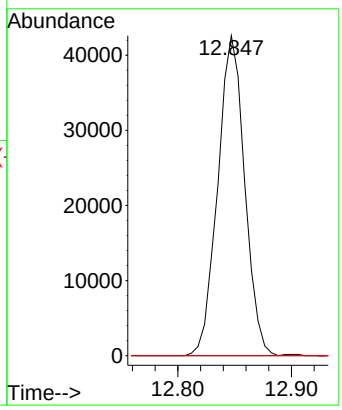


#81
trans-1,4-Dichloro-2-butene
Concen: 71.185 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.112 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-20-20241112

Tgt Ion: 75 Resp: 70147

Ion	Ratio	Lower	Upper
75	100		
53	0.0	78.2	117.4#
89	0.0	37.9	56.9#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085020.D
Acq On : 22 Nov 2024 20:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 23 03:27:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	165807	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	282273	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	244375	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126177	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	119484	50.590	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.180%			
35) Dibromofluoromethane	8.159	113	95064	49.940	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.880%			
50) Toluene-d8	10.565	98	348915	51.146	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.300%			
62) 4-Bromofluorobenzene	12.847	95	138876	54.436	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.880%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	85037	45.356	ug/l	100
3) Chloromethane	2.359	50	90354	41.551	ug/l	100
4) Vinyl Chloride	2.512	62	88359	45.215	ug/l	97
5) Bromomethane	2.901	94	48080	43.896	ug/l	97
6) Chloroethane	3.071	64	56281	42.728	ug/l	97
7) Trichlorofluoromethane	3.471	101	154195	46.385	ug/l	100
8) Diethyl Ether	3.953	74	55012	48.621	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.353	101	85855	45.536	ug/l	99
10) Methyl Iodide	4.577	142	120548	48.302	ug/l	99
11) Tert butyl alcohol	5.542	59	72462	229.593	ug/l	95
12) 1,1-Dichloroethene	4.324	96	82751	47.021	ug/l	98
13) Acrolein	4.171	56	63713	302.534	ug/l	98
14) Allyl chloride	5.012	41	139522	47.028	ug/l	98
15) Acrylonitrile	5.712	53	223045	249.618	ug/l	100
16) Acetone	4.424	43	183436	266.681	ug/l	99
17) Carbon Disulfide	4.700	76	220134	42.378	ug/l	98
18) Methyl Acetate	5.018	43	112511	51.203	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	282308	49.096	ug/l	99
20) Methylene Chloride	5.271	84	92544	44.090	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	84073	45.396	ug/l	93
22) Diisopropyl ether	6.665	45	281533	47.149	ug/l	99
23) Vinyl Acetate	6.594	43	1045904	253.901	ug/l	99
24) 1,1-Dichloroethane	6.559	63	167707	46.934	ug/l	100
25) 2-Butanone	7.483	43	281528	250.342	ug/l	99
26) 2,2-Dichloropropane	7.483	77	144671	43.359	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	103058	46.160	ug/l	99
28) Bromochloromethane	7.806	49	62601	46.411	ug/l	97
29) Tetrahydrofuran	7.835	42	182820	261.419	ug/l	99
30) Chloroform	7.959	83	171833	45.207	ug/l	94
31) Cyclohexane	8.253	56	135845	43.179	ug/l	99
32) 1,1,1-Trichloroethane	8.159	97	159613	46.470	ug/l	97
36) 1,1-Dichloropropene	8.365	75	115546	44.814	ug/l	99
37) Ethyl Acetate	7.553	43	113589	48.460	ug/l	99
38) Carbon Tetrachloride	8.359	117	139395	46.837	ug/l	95
39) Methylcyclohexane	9.594	83	125188	46.725	ug/l	97
40) Benzene	8.600	78	375189	46.008	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085020.D
Acq On : 22 Nov 2024 20:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 23 03:27:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	65615	50.558	ug/l		99
42) 1,2-Dichloroethane	8.665	62	128351	46.006	ug/l		99
43) Isopropyl Acetate	8.688	43	202380	41.566	ug/l		98
44) Trichloroethene	9.347	130	86845	45.825	ug/l		94
45) 1,2-Dichloropropane	9.618	63	90723	45.168	ug/l		97
46) Dibromomethane	9.706	93	63403	45.429	ug/l		100
47) Bromodichloromethane	9.882	83	138510	46.825	ug/l		98
48) Methyl methacrylate	9.677	41	92223	50.901	ug/l		98
49) 1,4-Dioxane	9.688	88	30357	966.160	ug/l	#	88
51) 4-Methyl-2-Pentanone	10.441	43	596300	268.135	ug/l		99
52) Toluene	10.624	92	231070	47.864	ug/l		99
53) t-1,3-Dichloropropene	10.829	75	134544	45.368	ug/l		97
54) cis-1,3-Dichloropropene	10.306	75	145629	46.288	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	86336	48.013	ug/l		98
56) Ethyl methacrylate	10.871	69	143775	54.717	ug/l		99
57) 1,3-Dichloropropane	11.159	76	149304	47.176	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	342109	265.424	ug/l		100
59) 2-Hexanone	11.194	43	443144	266.432	ug/l		100
60) Dibromochloromethane	11.359	129	101844	46.342	ug/l		99
61) 1,2-Dibromoethane	11.465	107	86818	46.652	ug/l		99
64) Tetrachloroethene	11.100	164	71306	43.303	ug/l		91
65) Chlorobenzene	11.888	112	240742	43.438	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	88250	45.226	ug/l		99
67) Ethyl Benzene	11.959	91	433345	48.195	ug/l		100
68) m/p-Xylenes	12.070	106	331642	96.880	ug/l		99
69) o-Xylene	12.394	106	159889	49.101	ug/l		99
70) Styrene	12.406	104	273009	50.416	ug/l		100
71) Bromoform	12.576	173	71427	49.313	ug/l	#	99
73) Isopropylbenzene	12.694	105	409728	46.030	ug/l		99
74) N-amyl acetate	12.494	43	178643	48.703	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	127388	41.909	ug/l		98
76) 1,2,3-Trichloropropane	12.988	75	167755	73.094	ug/l		46
77) Bromobenzene	12.976	156	100357	41.895	ug/l		97
78) n-propylbenzene	13.035	91	473235	46.093	ug/l		100
79) 2-Chlorotoluene	13.123	91	302969	44.205	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	355712	47.623	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	45040	43.323	ug/l		99
82) 4-Chlorotoluene	13.217	91	304819	42.723	ug/l		100
83) tert-Butylbenzene	13.435	119	298778	46.490	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	361290	46.990	ug/l		99
85) sec-Butylbenzene	13.612	105	403676	46.498	ug/l		100
86) p-Isopropyltoluene	13.723	119	343655	47.952	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	181798	38.478	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	180327	37.400	ug/l		99
89) n-Butylbenzene	14.053	91	279110	41.878	ug/l		98
90) Hexachloroethane	14.329	117	66086	42.304	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	177360	39.174	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	25395	43.206	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	83838	34.085	ug/l		98
94) Hexachlorobutadiene	15.500	225	39524	34.818	ug/l		99
95) Naphthalene	15.635	128	283029	40.401	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	86482	36.849	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085020.D
Acq On : 22 Nov 2024 20:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 23 03:27:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

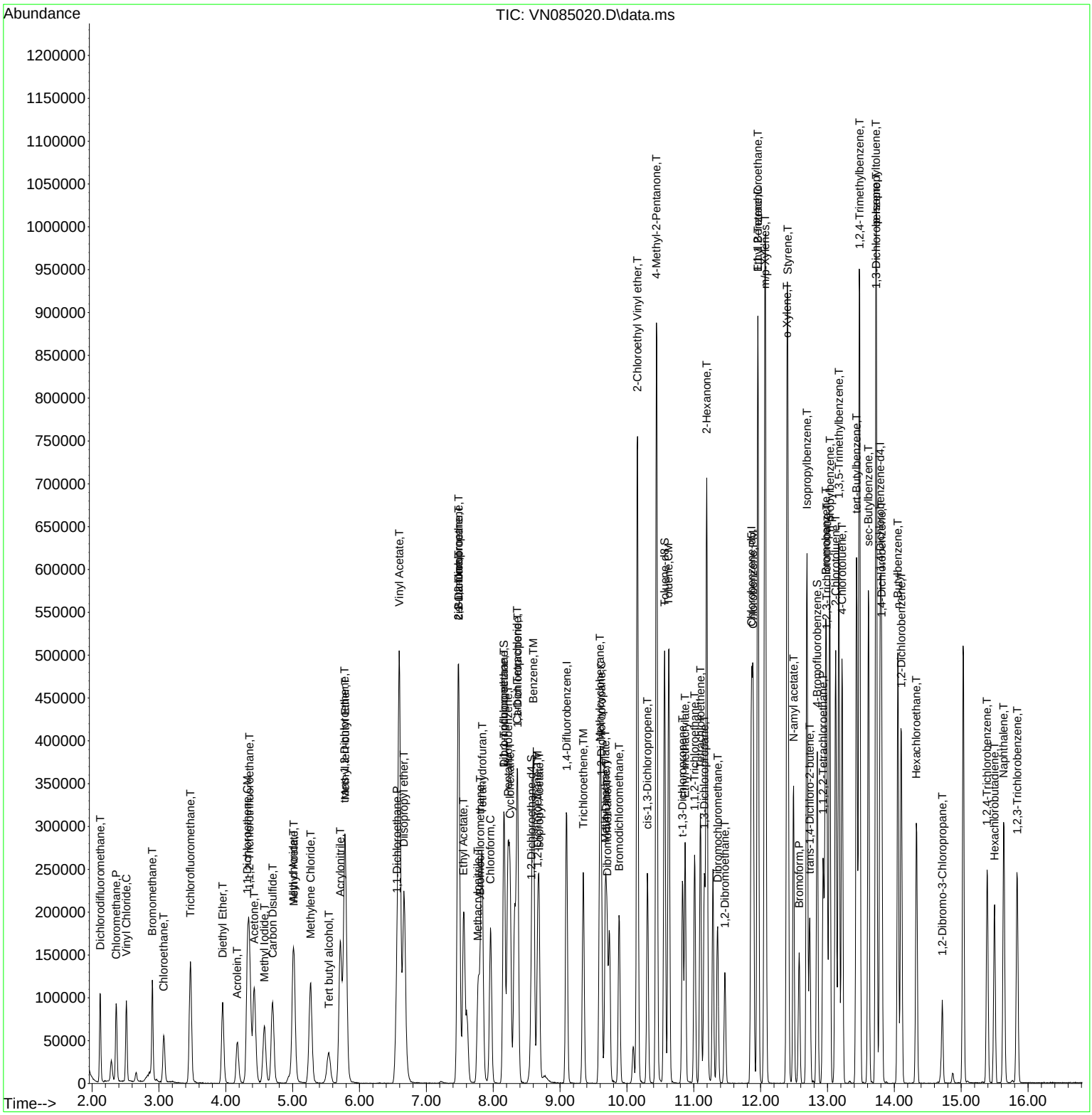
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

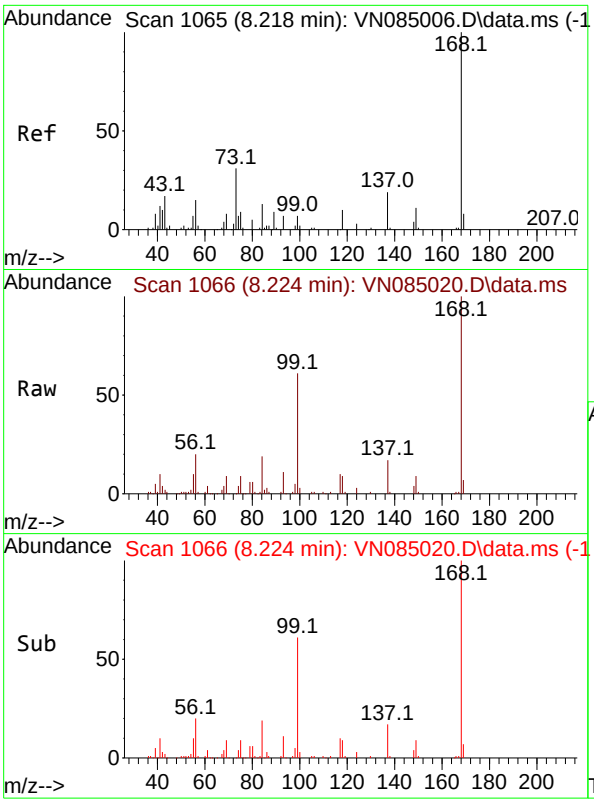
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085020.D
Acq On : 22 Nov 2024 20:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 23 03:27:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



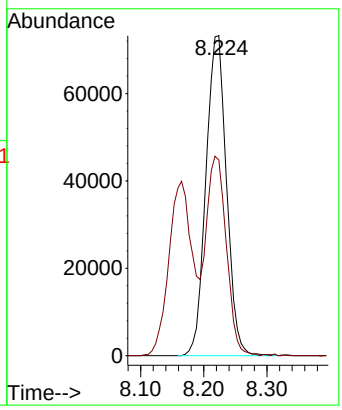


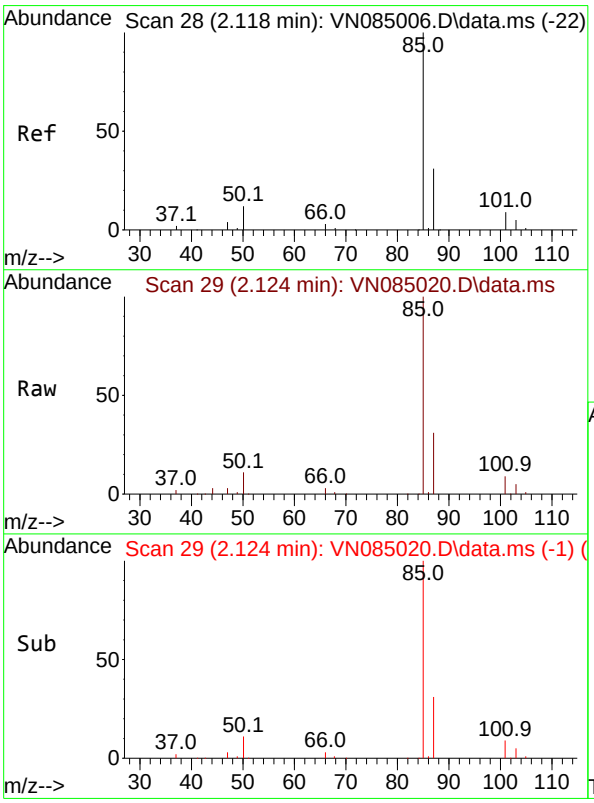
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 165807

Ion	Ratio	Lower	Upper
168	100		
99	61.2	51.2	76.8

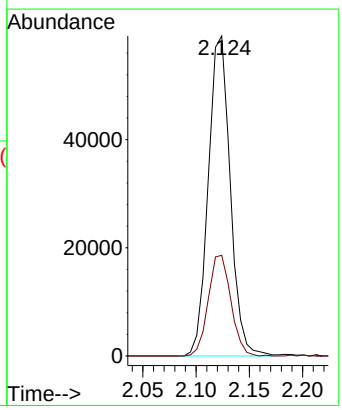


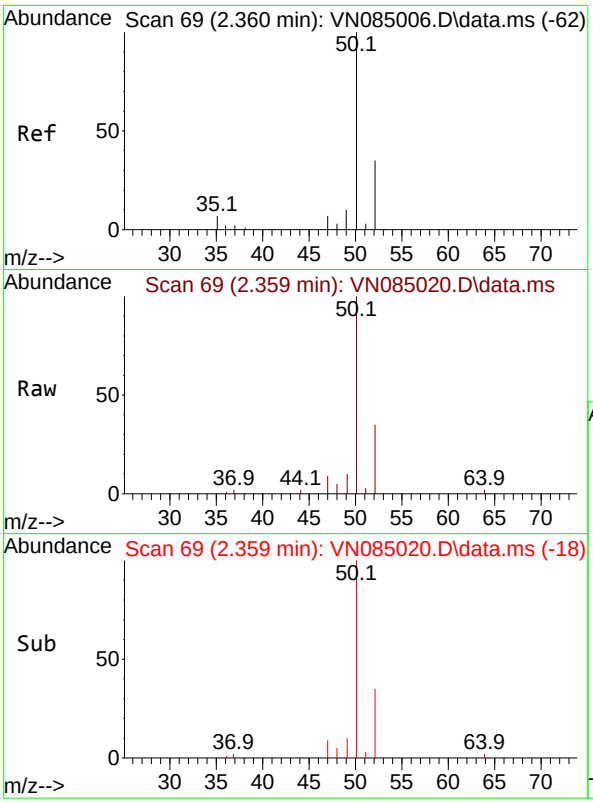


#2
Dichlorodifluoromethane
Concen: 45.356 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 85 Resp: 85037

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.7	47.1



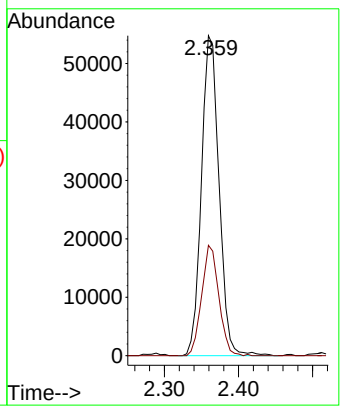


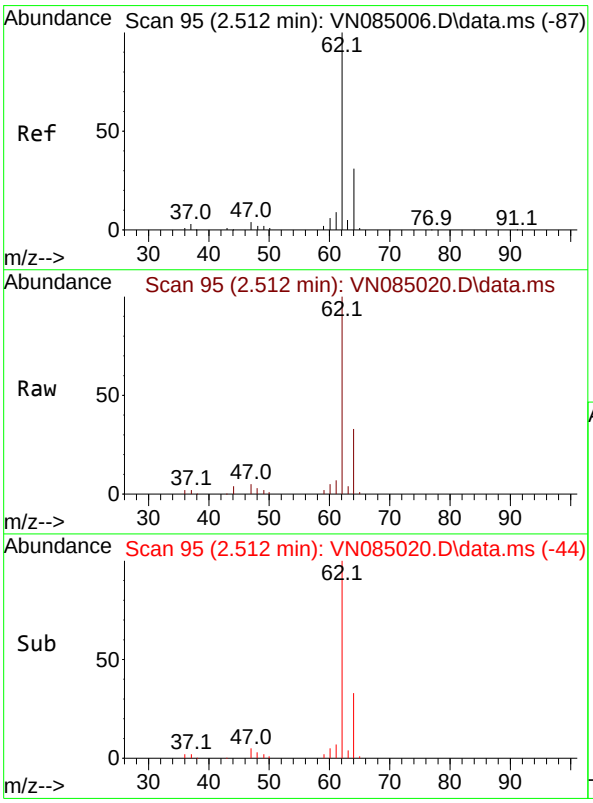
#3
Chloromethane
Concen: 41.551 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 90354

Ion	Ratio	Lower	Upper
50	100		
52	34.5	27.8	41.8

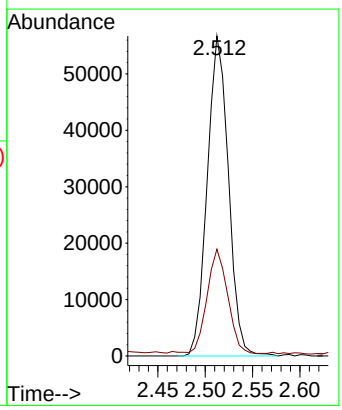


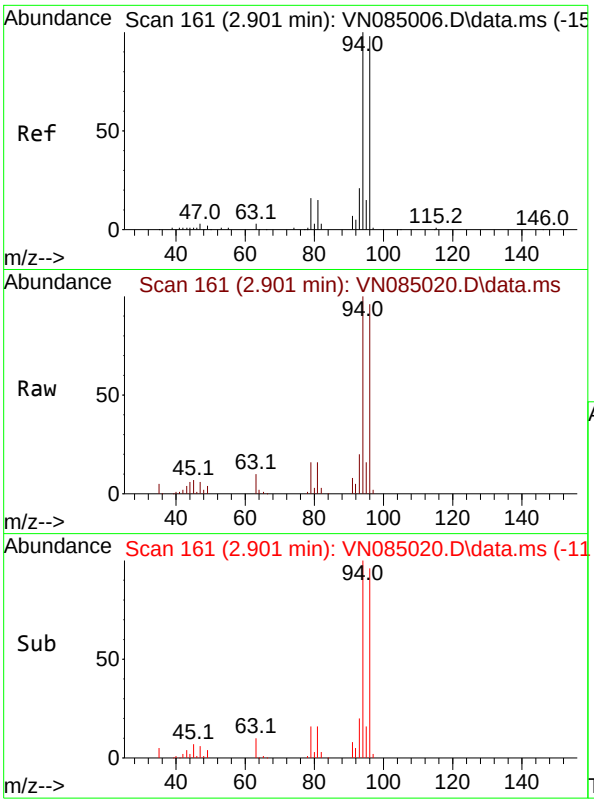


#4
Vinyl Chloride
Concen: 45.215 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 62 Resp: 88359

Ion	Ratio	Lower	Upper
62	100		
64	32.6	24.6	36.8



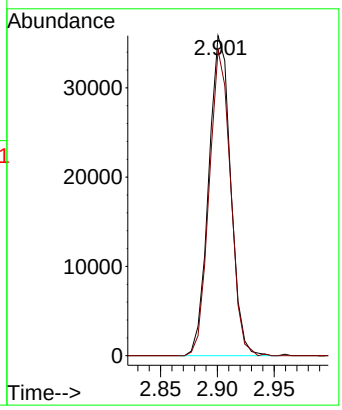


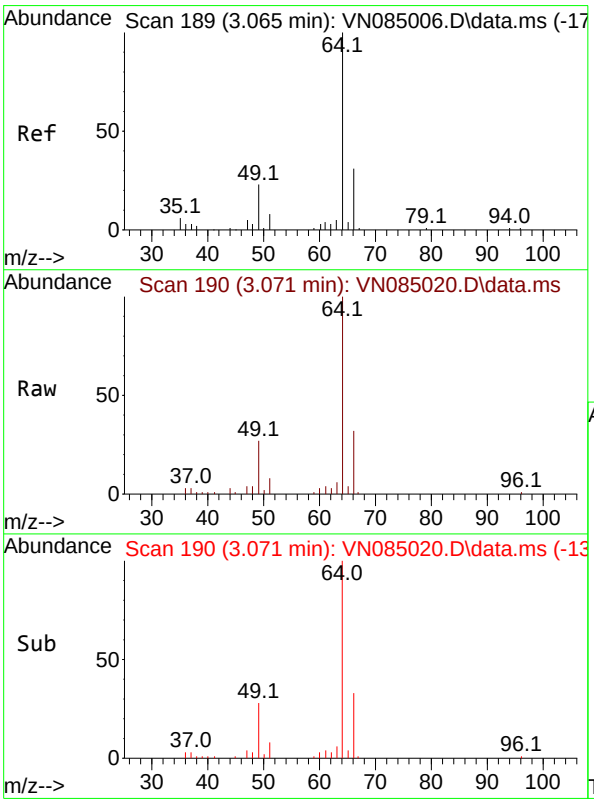
#5
Bromomethane
Concen: 43.896 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 48080

Ion	Ratio	Lower	Upper
94	100		
96	95.5	78.7	118.1

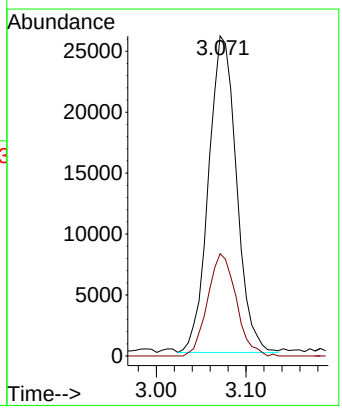


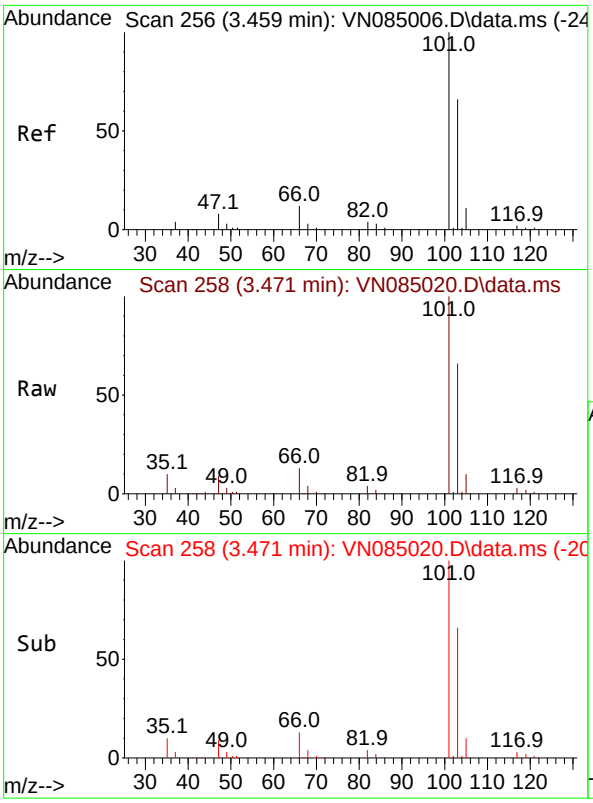


#6
Chloroethane
Concen: 42.728 ug/l
RT: 3.071 min Scan# 190
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 64 Resp: 56281

Ion	Ratio	Lower	Upper
64	100		
66	32.3	24.4	36.6



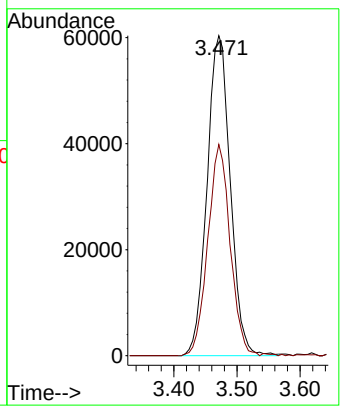


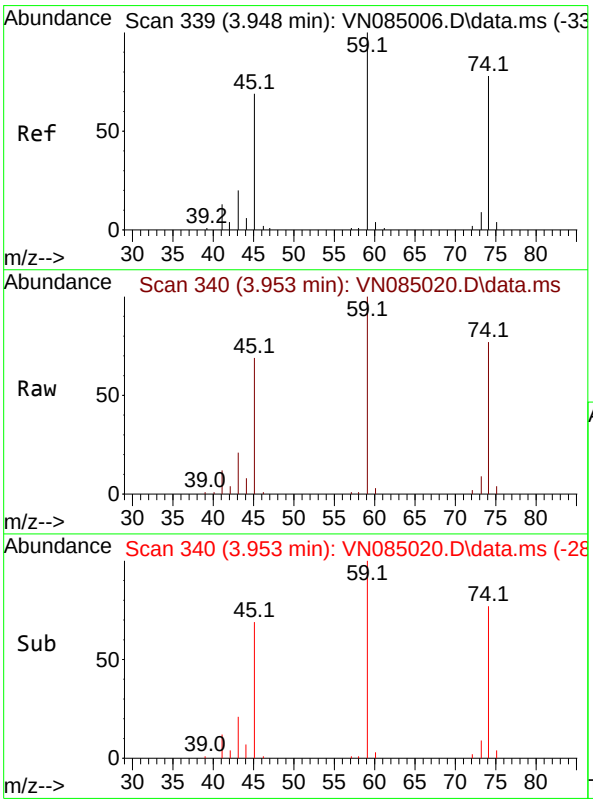
#7
Trichlorofluoromethane
Concen: 46.385 ug/l
RT: 3.471 min Scan# 2
Delta R.T. 0.012 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 154195

Ion	Ratio	Lower	Upper
101	100		
103	66.0	52.6	78.8

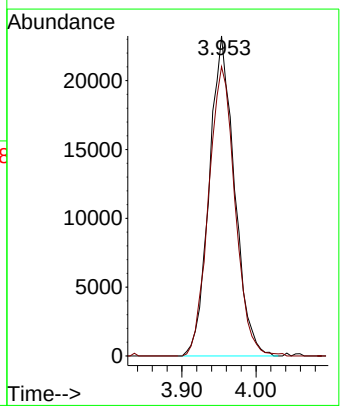


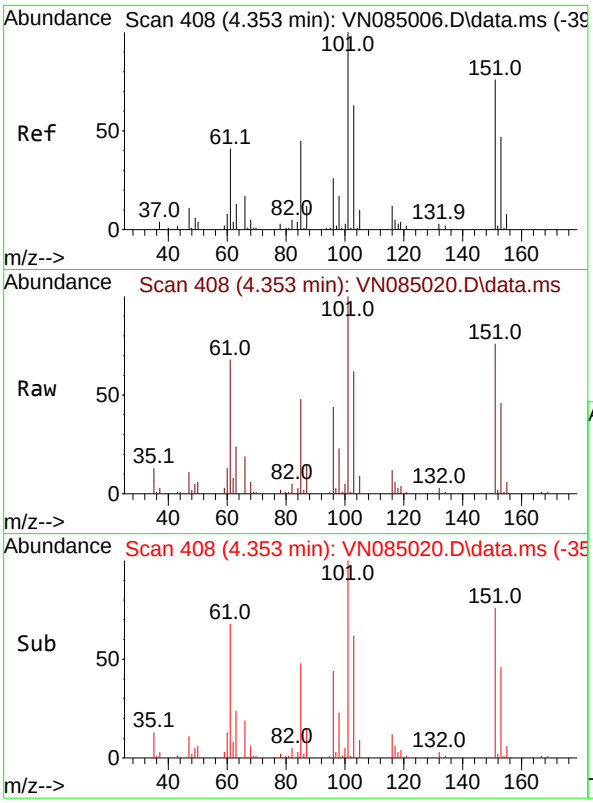


#8
Diethyl Ether
Concen: 48.621 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 74 Resp: 55012

Ion	Ratio	Lower	Upper
74	100		
45	94.5	46.7	140.1



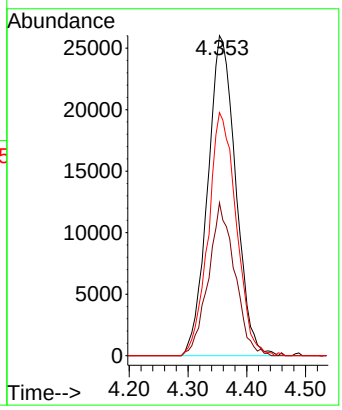


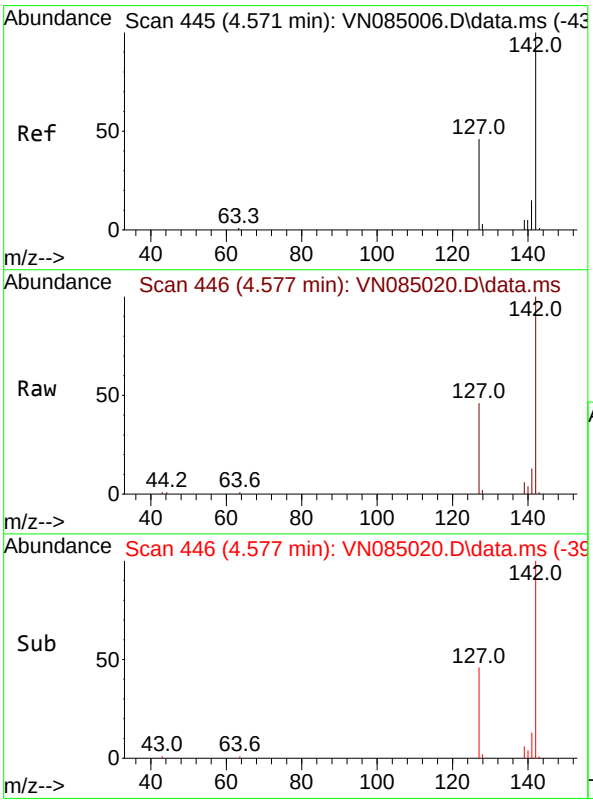
#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.536 ug/l
RT: 4.353 min Scan# 4(
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 85855

Ion	Ratio	Lower	Upper
101	100		
85	45.0	36.9	55.3
151	76.0	60.8	91.2

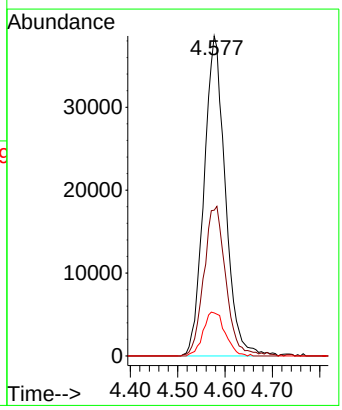


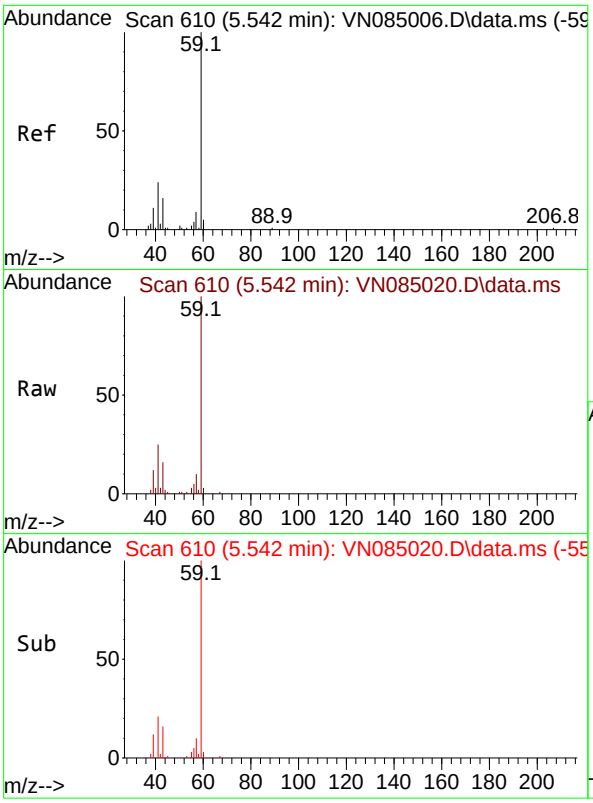


#10
Methyl Iodide
Concen: 48.302 ug/l
RT: 4.577 min Scan# 446
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:142 Resp: 120548

Ion	Ratio	Lower	Upper
142	100		
127	45.6	36.6	54.8
141	13.5	12.2	18.4



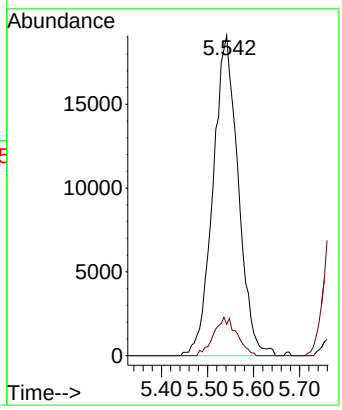


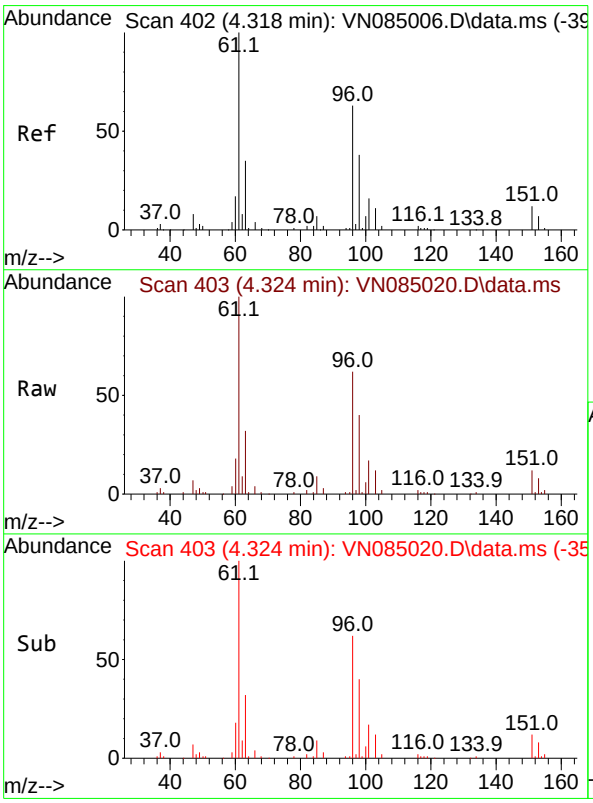
#11
Tert butyl alcohol
Concen: 229.593 ug/l
RT: 5.542 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 72462

Ion	Ratio	Lower	Upper
59	100		
57	10.9	7.4	11.0

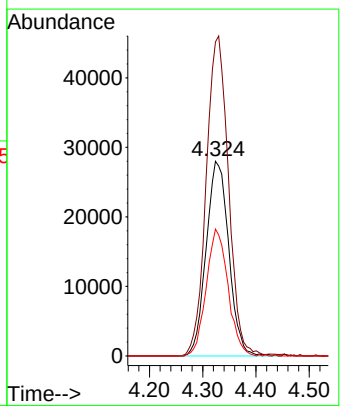


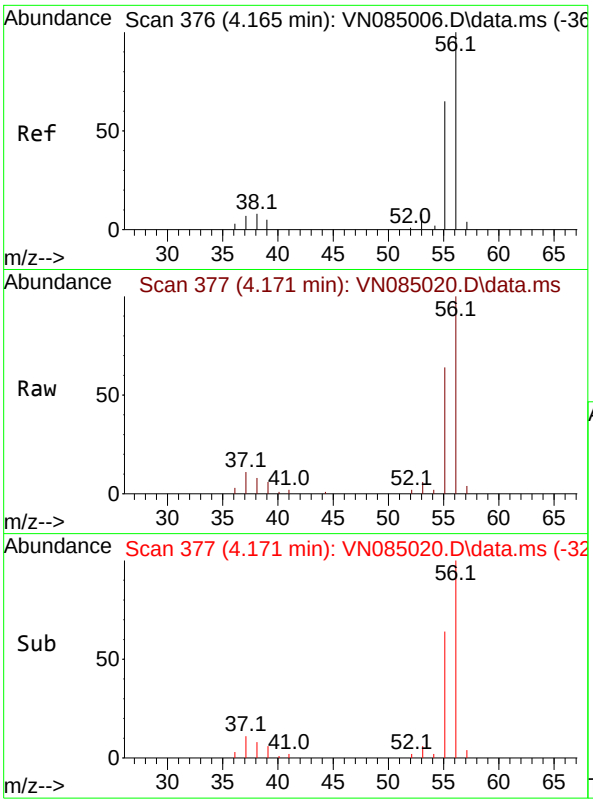


#12
1,1-Dichloroethene
Concen: 47.021 ug/l
RT: 4.324 min Scan# 403
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 96 Resp: 82751

Ion	Ratio	Lower	Upper
96	100		
61	161.3	127.8	191.8
98	65.2	49.2	73.8



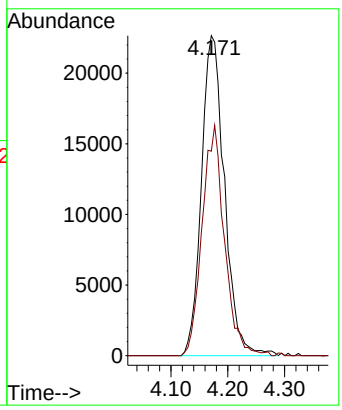


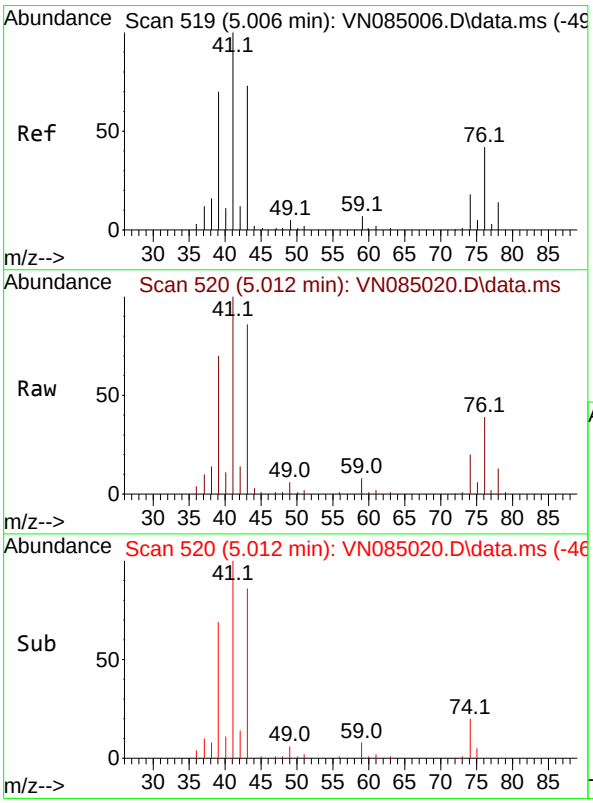
#13
Acrolein
Concen: 302.534 ug/l
RT: 4.171 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 63713

Ion	Ratio	Lower	Upper
56	100		
55	69.8	54.5	81.7

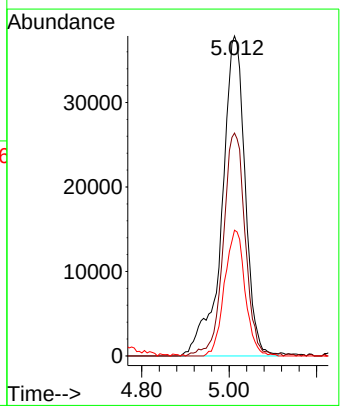


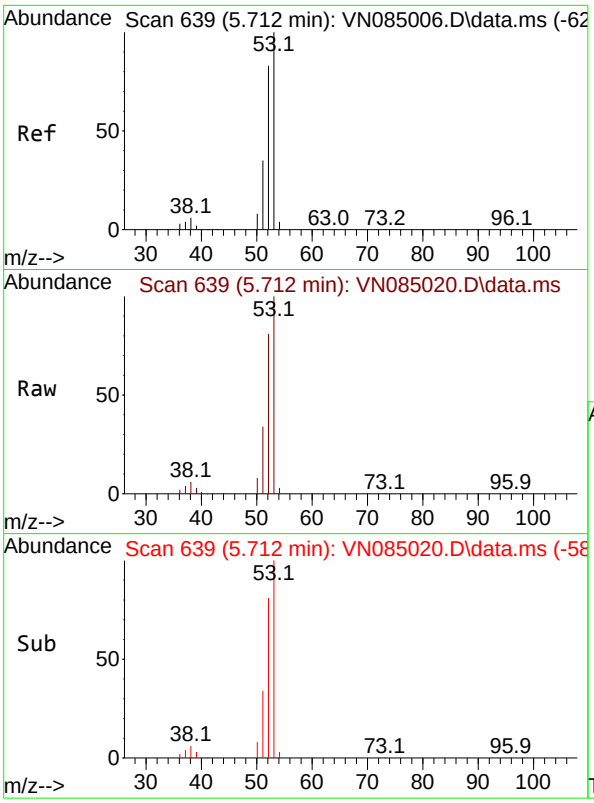


#14
Allyl chloride
Concen: 47.028 ug/l
RT: 5.012 min Scan# 520
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 41 Resp: 139522

Ion	Ratio	Lower	Upper
41	100		
39	65.6	53.8	80.8
76	35.1	29.3	43.9



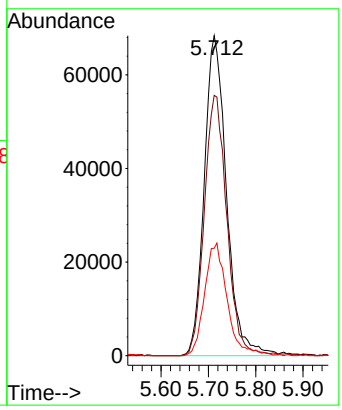


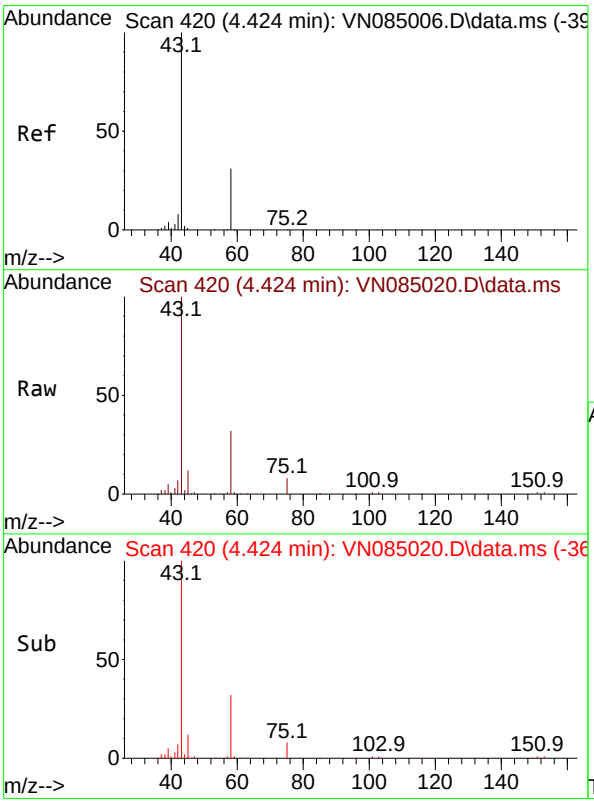
#15
Acrylonitrile
Concen: 249.618 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 223045

Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.5	98.3
51	35.7	28.4	42.6

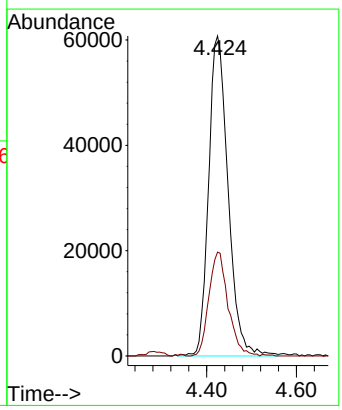


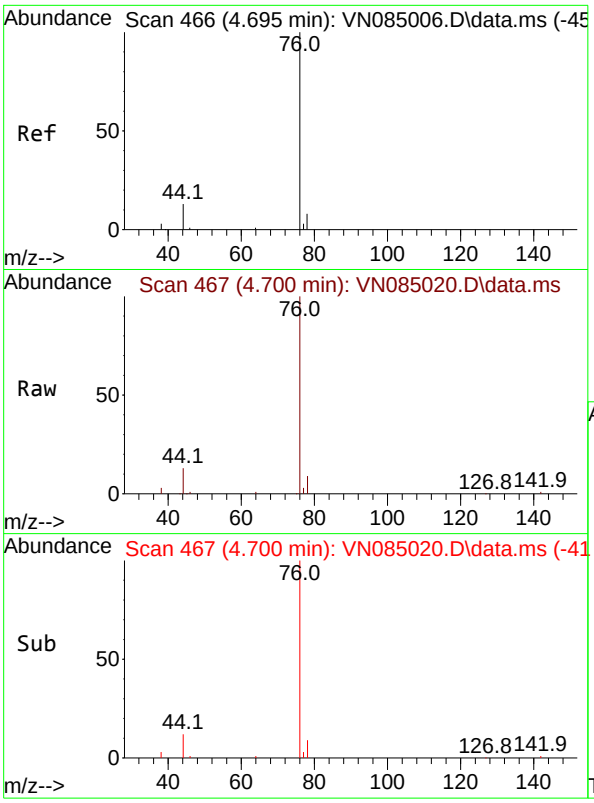


#16
Acetone
Concen: 266.681 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 43 Resp: 183436

Ion	Ratio	Lower	Upper
43	100		
58	32.5	25.4	38.2



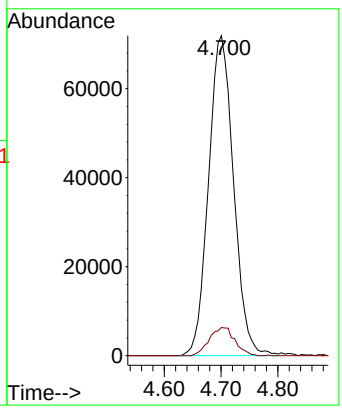


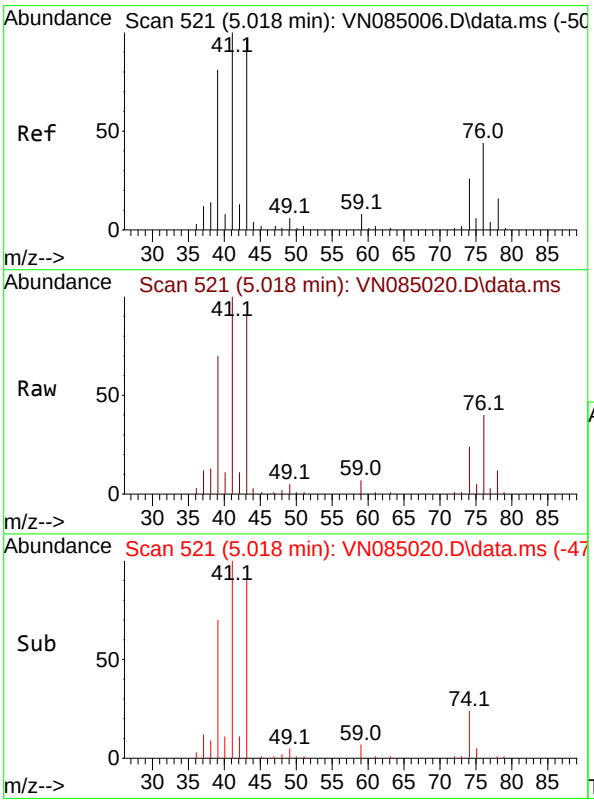
#17
Carbon Disulfide
Concen: 42.378 ug/l
RT: 4.700 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 220134

Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.5	9.7

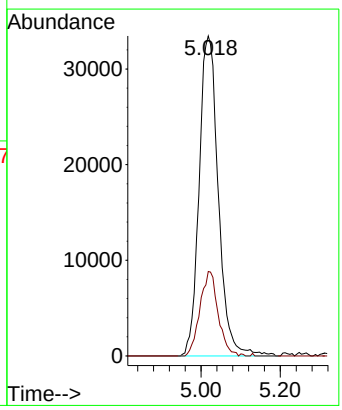


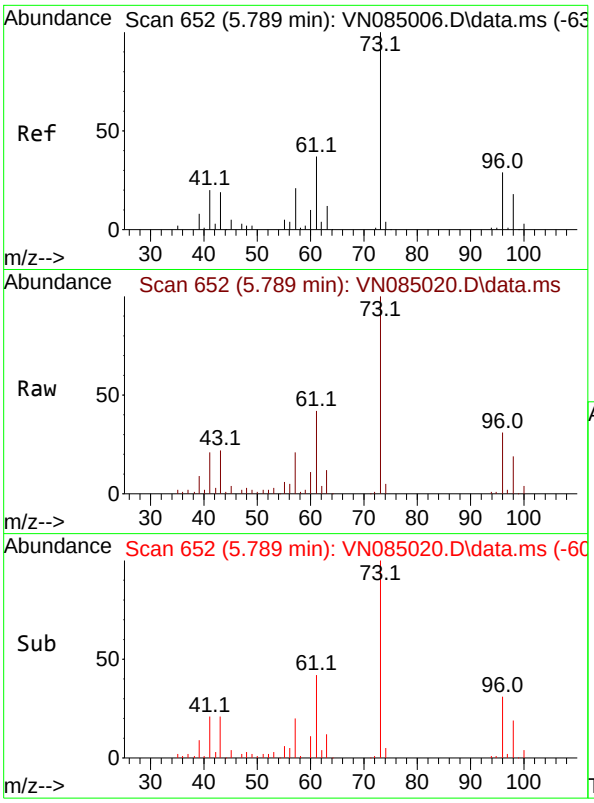


#18
Methyl Acetate
Concen: 51.203 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 43 Resp: 112511

Ion	Ratio	Lower	Upper
43	100		
74	25.0	20.1	30.1



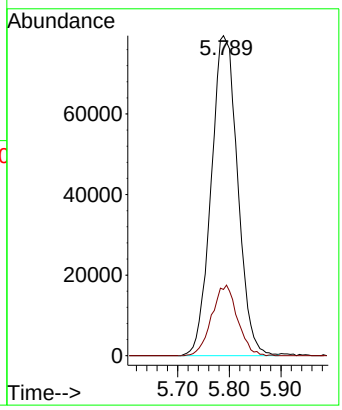


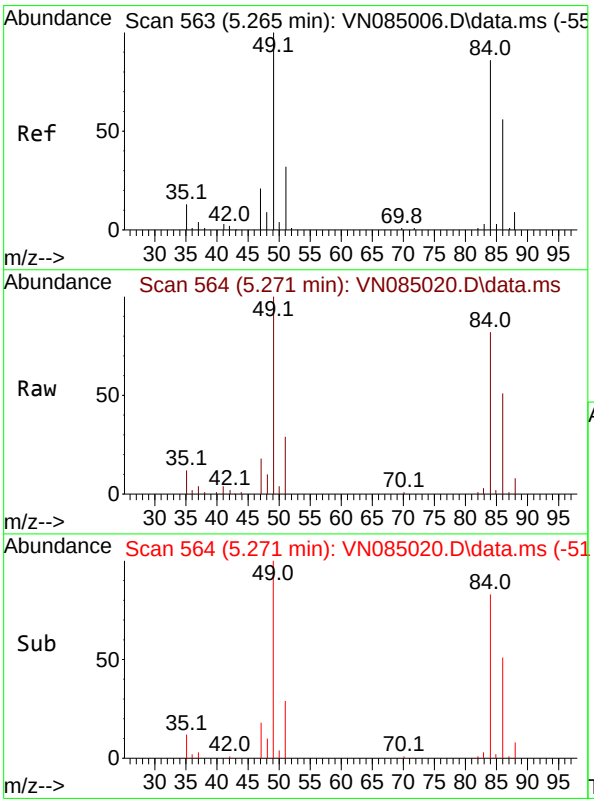
#19
Methyl tert-butyl Ether
Concen: 49.096 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 282308

Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.0	25.4

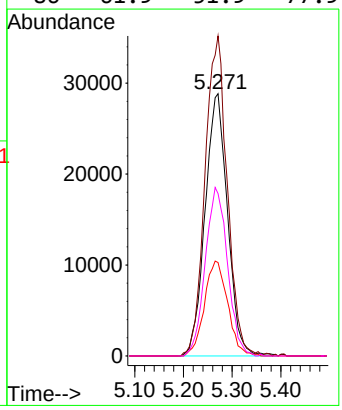


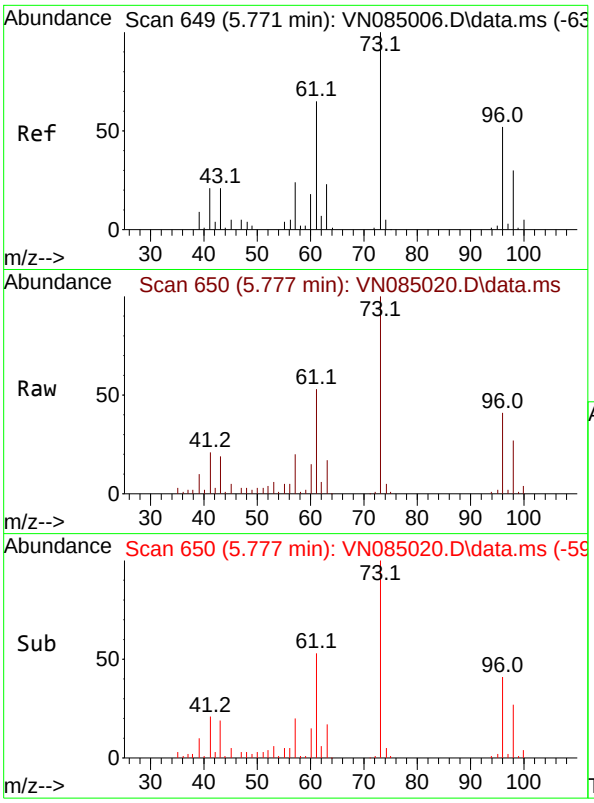


#20
Methylene Chloride
Concen: 44.090 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 84 Resp: 92544

Ion	Ratio	Lower	Upper
84	100		
49	122.0	92.7	139.1
51	35.6	29.4	44.2
86	61.9	51.9	77.9



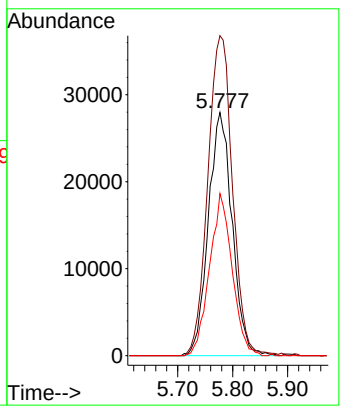


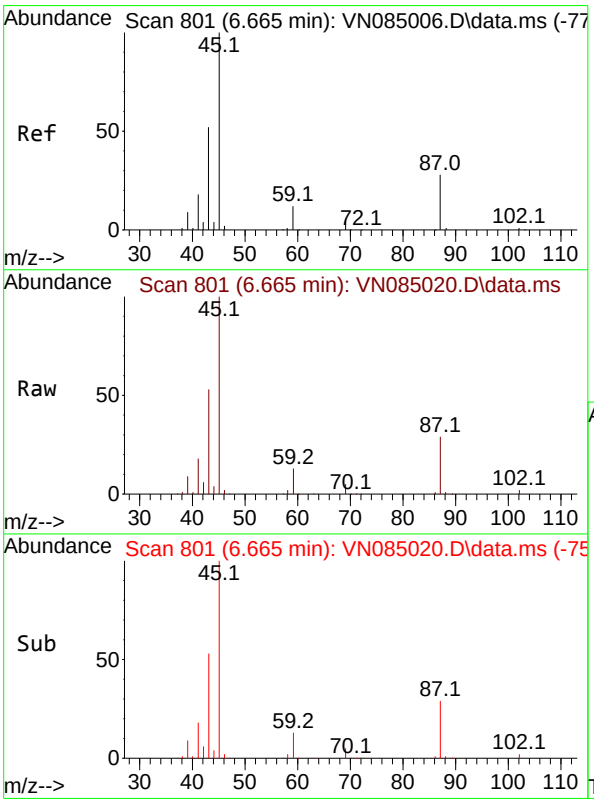
#21
trans-1,2-Dichloroethene
Concen: 45.396 ug/l
RT: 5.777 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 84073

Ion	Ratio	Lower	Upper
96	100		
61	131.6	100.7	151.1
98	66.6	45.8	68.6

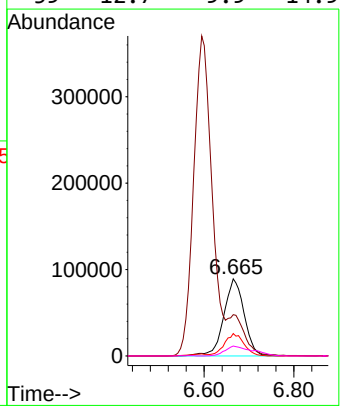


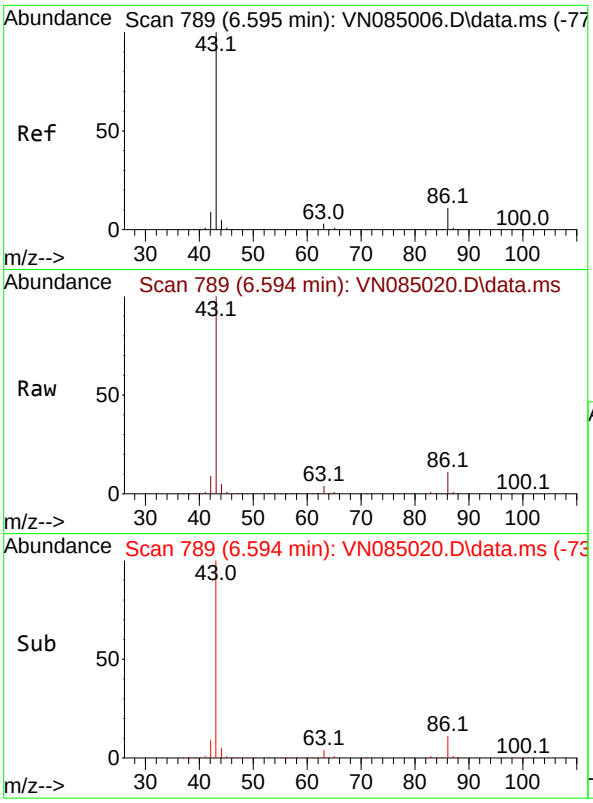


#22
Diisopropyl ether
Concen: 47.149 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 45 Resp: 281533

Ion	Ratio	Lower	Upper
45	100		
43	52.6	42.7	64.1
87	29.0	22.6	34.0
59	12.7	9.9	14.9



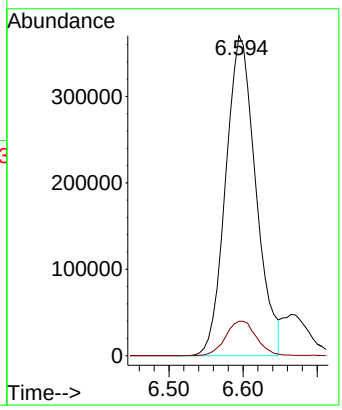


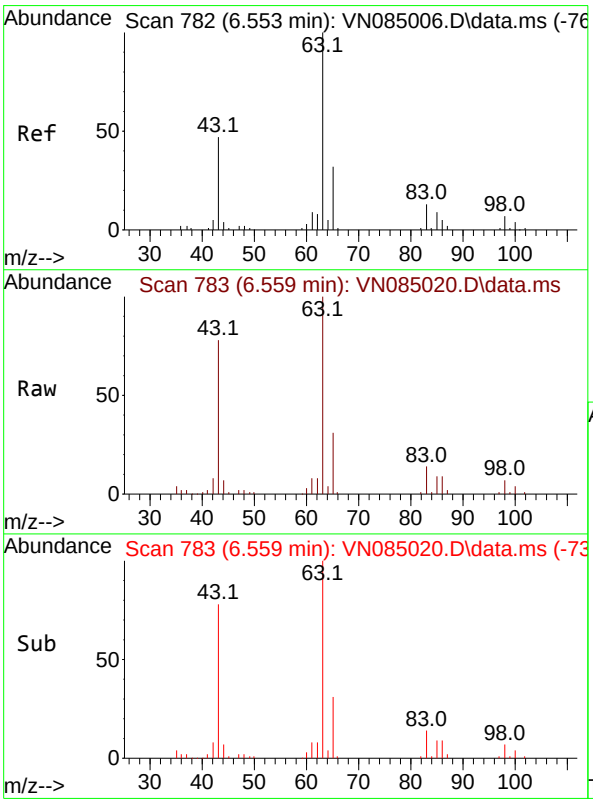
#23
Vinyl Acetate
Concen: 253.901 ug/l
RT: 6.594 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1045904

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.9	13.3

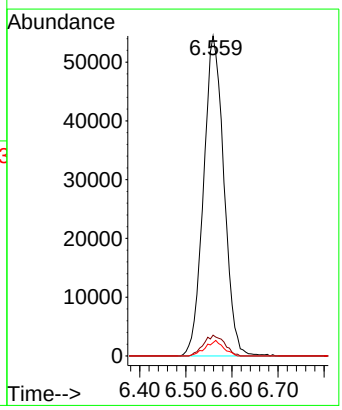


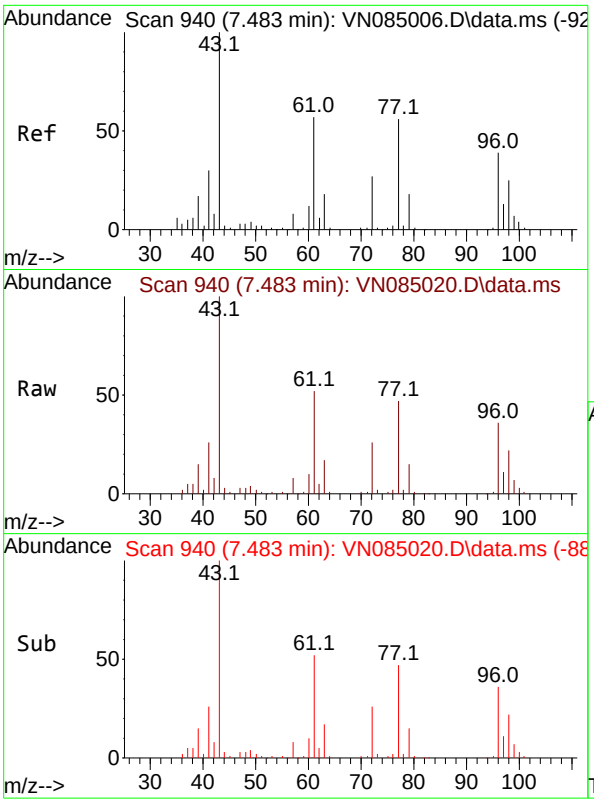


#24
1,1-Dichloroethane
Concen: 46.934 ug/l
RT: 6.559 min Scan# 783
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 63 Resp: 167707

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.3	9.8
100	4.2	2.2	6.6



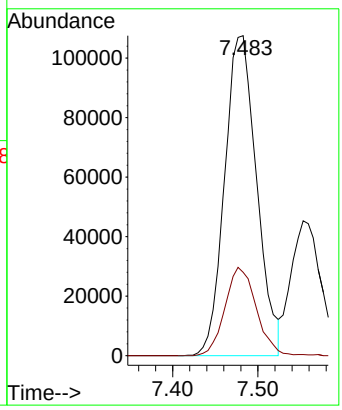


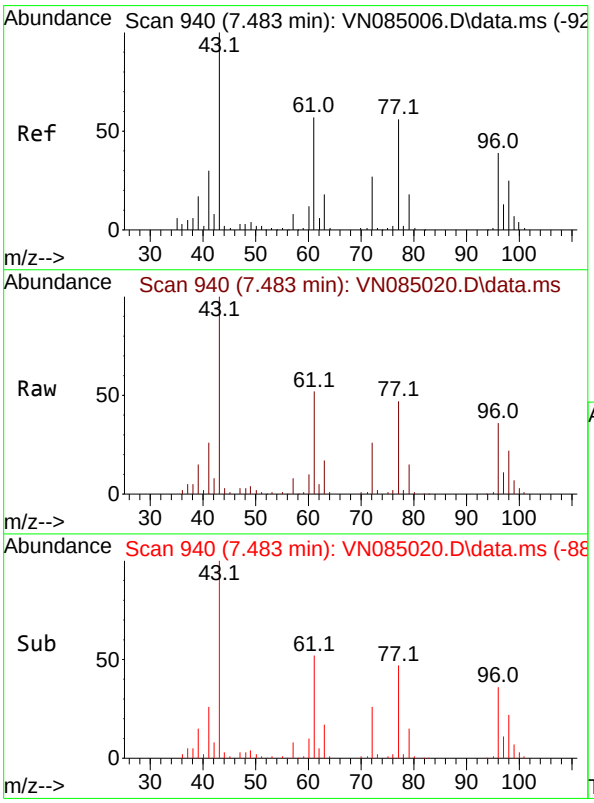
#25
2-Butanone
Concen: 250.342 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 281528

Ion	Ratio	Lower	Upper
43	100		
72	26.1	21.4	32.0

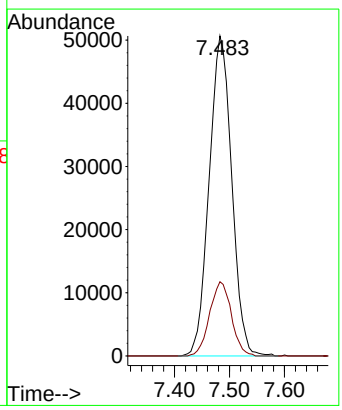


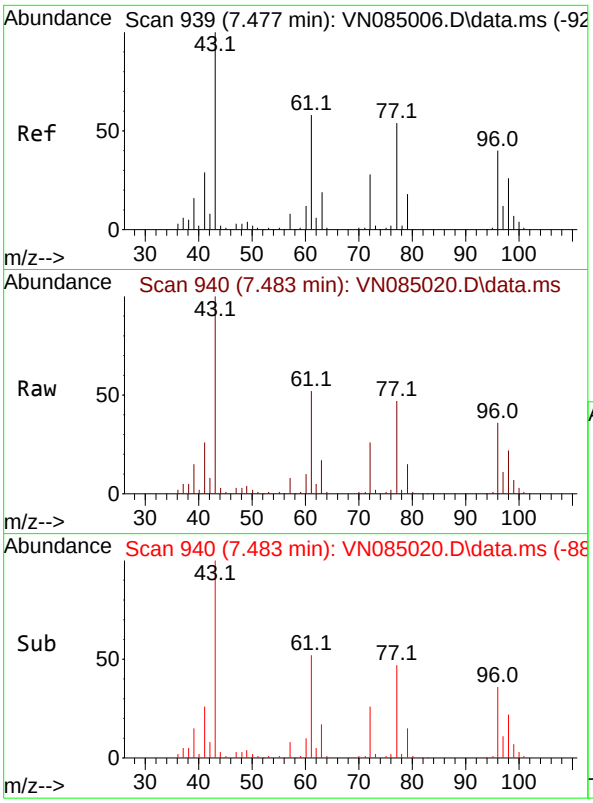


#26
2,2-Dichloropropane
Concen: 43.359 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 77 Resp: 144671

Ion	Ratio	Lower	Upper
77	100		
97	22.3	10.9	32.7



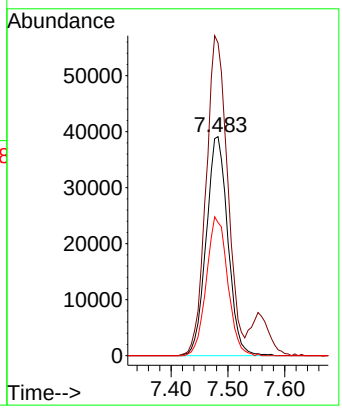


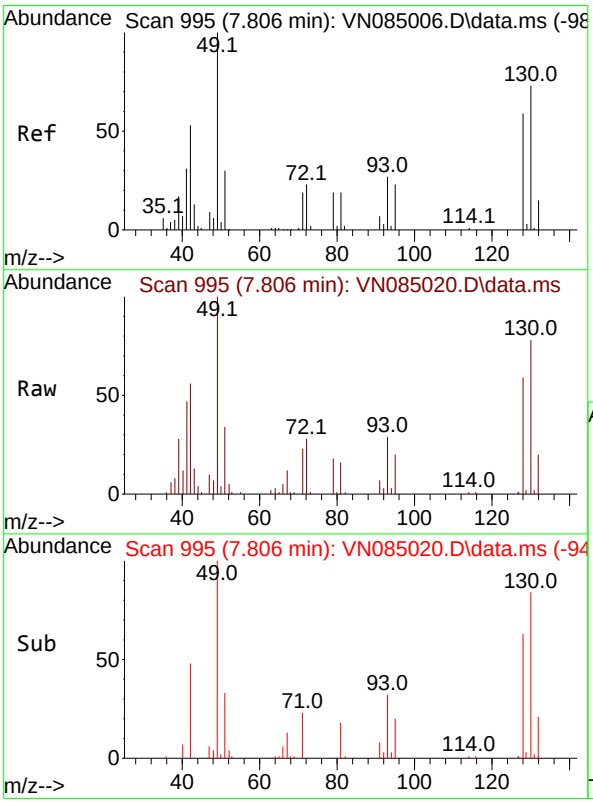
#27
cis-1,2-Dichloroethene
Concen: 46.160 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 103058

Ion	Ratio	Lower	Upper
96	100		
61	145.6	0.0	291.6
98	62.6	0.0	129.8

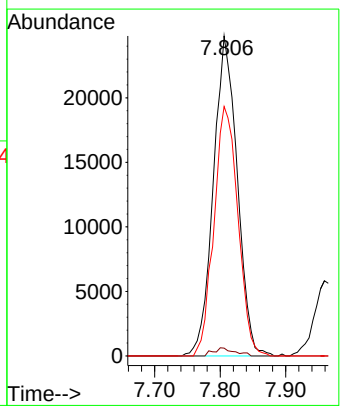


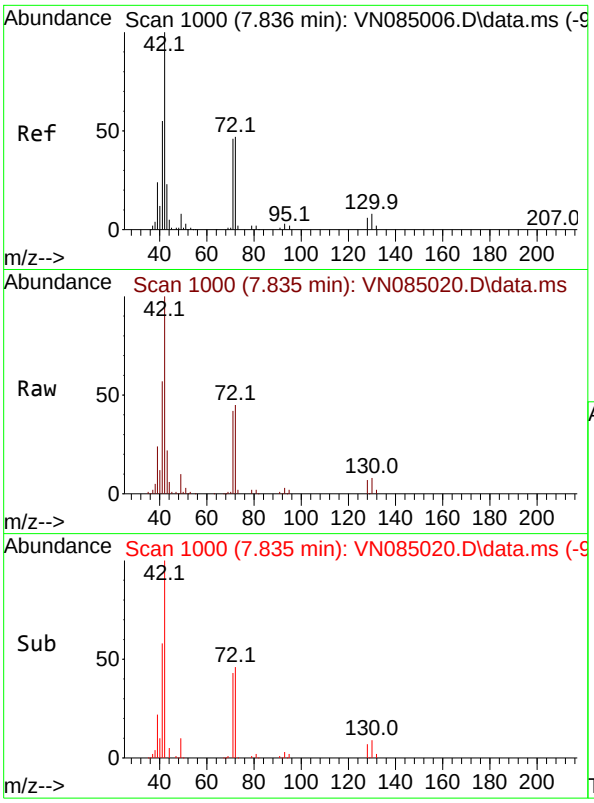


#28
Bromochloromethane
Concen: 46.411 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 49 Resp: 62601

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.0
130	78.2	60.6	90.8



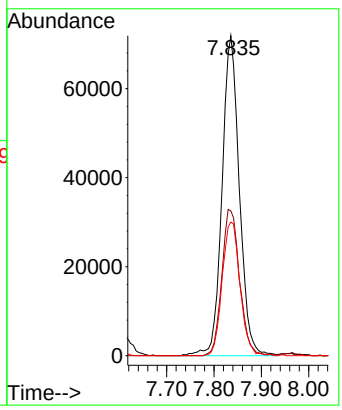


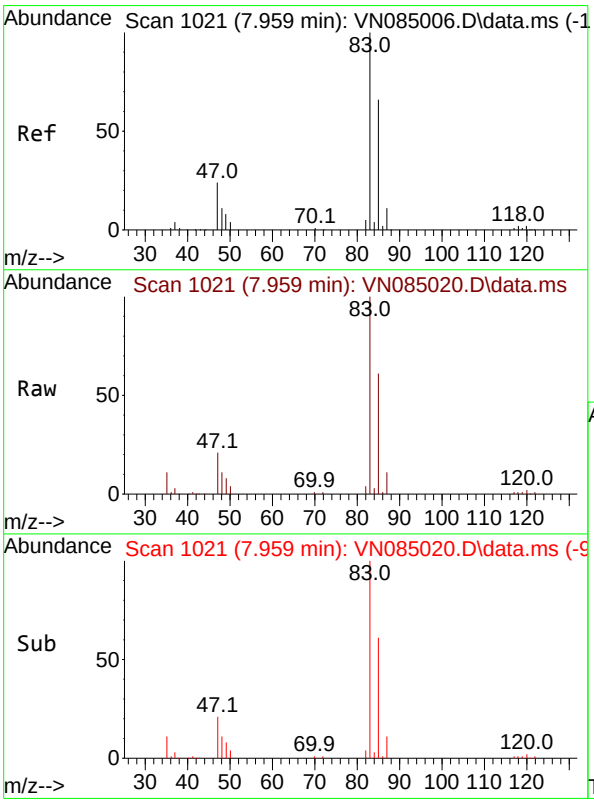
#29
Tetrahydrofuran
Concen: 261.419 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 182820

Ion	Ratio	Lower	Upper
42	100		
72	46.7	37.0	55.4
71	43.0	35.0	52.4

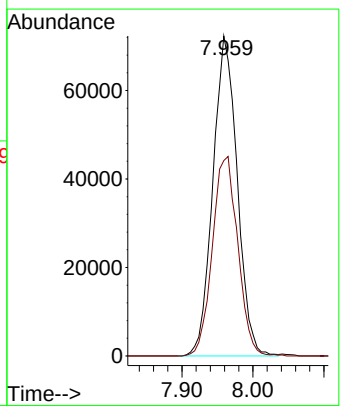


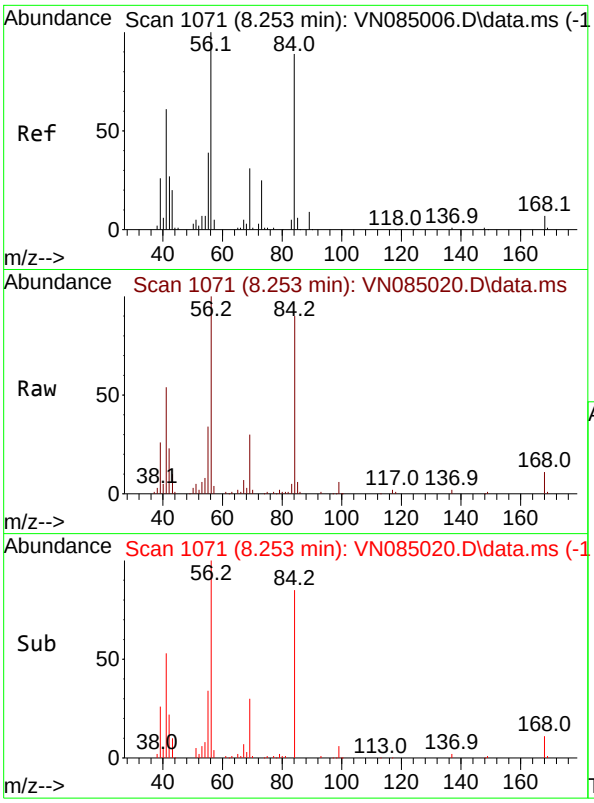


#30
Chloroform
Concen: 45.207 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 83 Resp: 171833

Ion	Ratio	Lower	Upper
83	100		
85	61.0	52.6	78.8



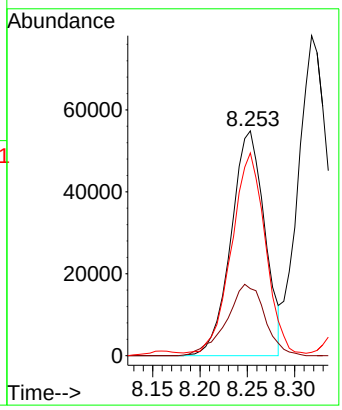


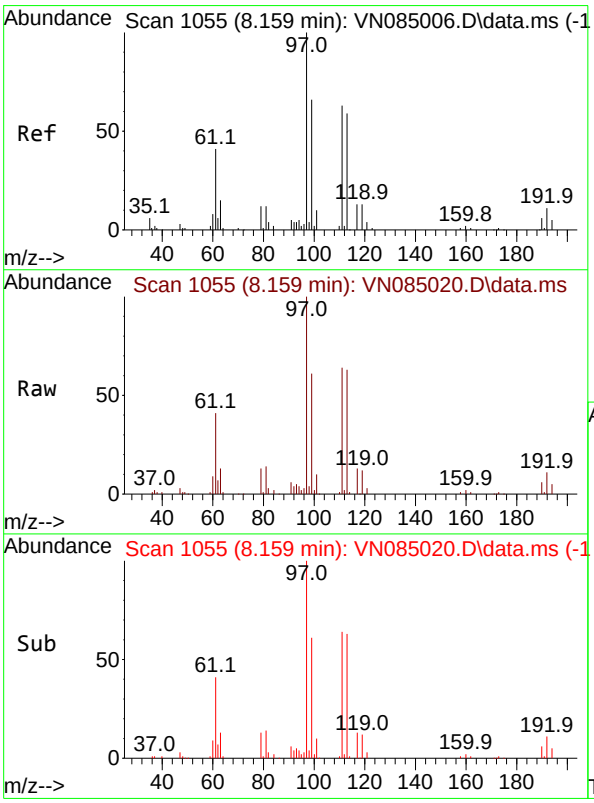
#31
Cyclohexane
Concen: 43.179 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 135845

Ion	Ratio	Lower	Upper
56	100		
69	29.8	24.6	36.8
84	88.8	71.4	107.2

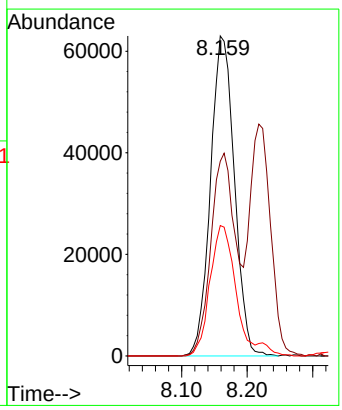


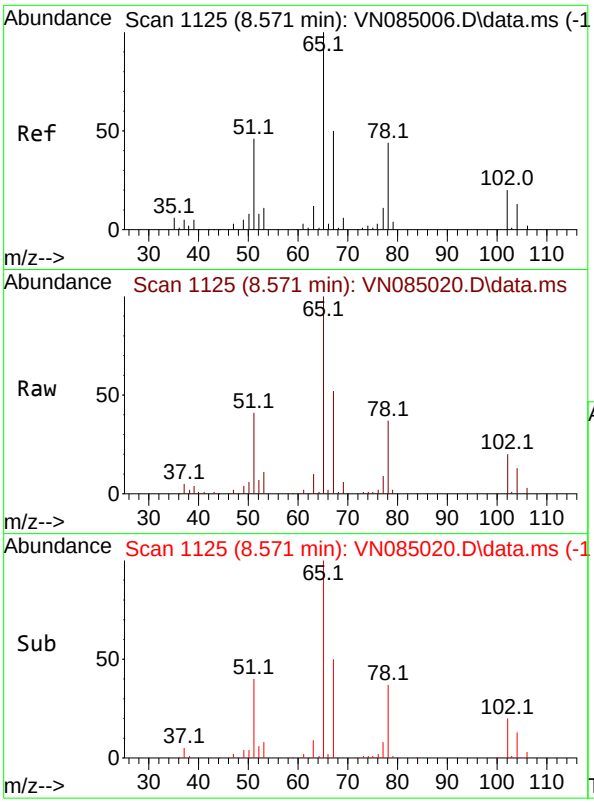


#32
1,1,1-Trichloroethane
Concen: 46.470 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 97 Resp: 159613

Ion	Ratio	Lower	Upper
97	100		
99	66.3	51.0	76.4
61	42.9	36.2	54.2



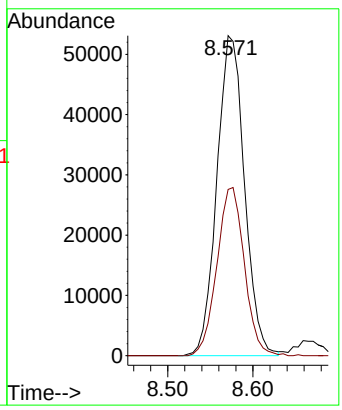


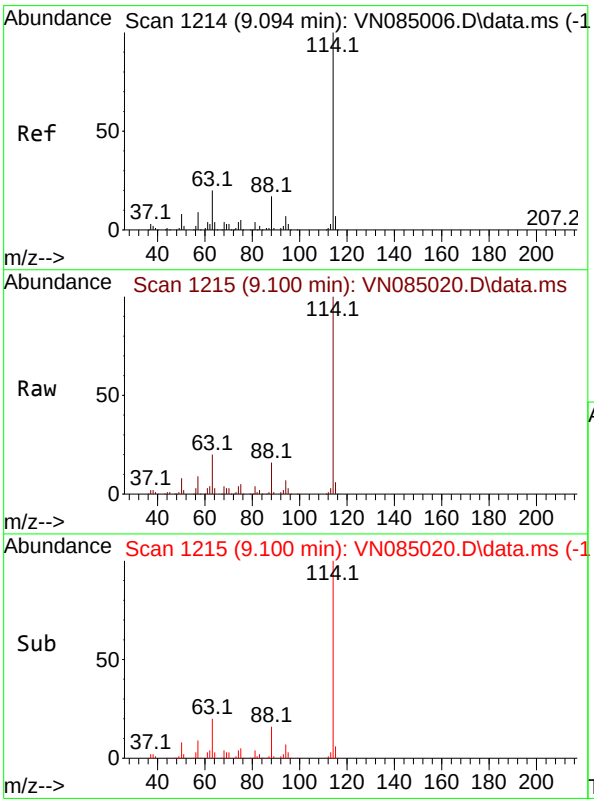
#33
1,2-Dichloroethane-d4
Concen: 50.590 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 119484

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	105.0

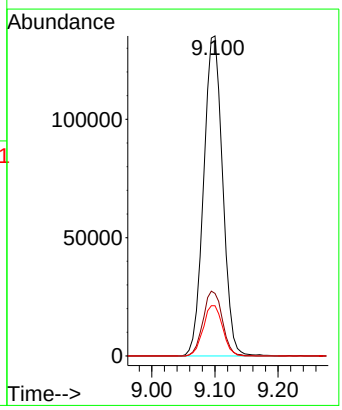


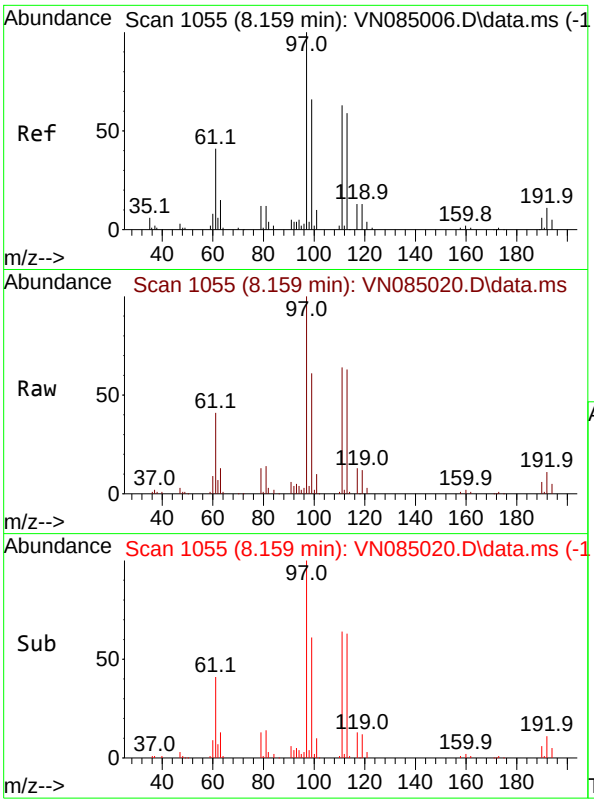


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:114 Resp: 282273

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	41.0
88	15.7	0.0	34.8



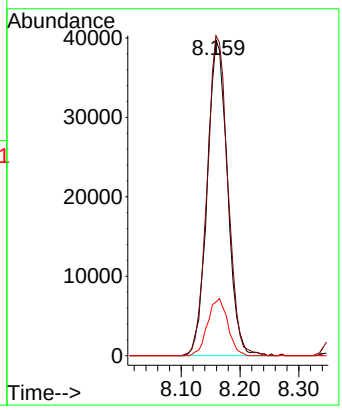


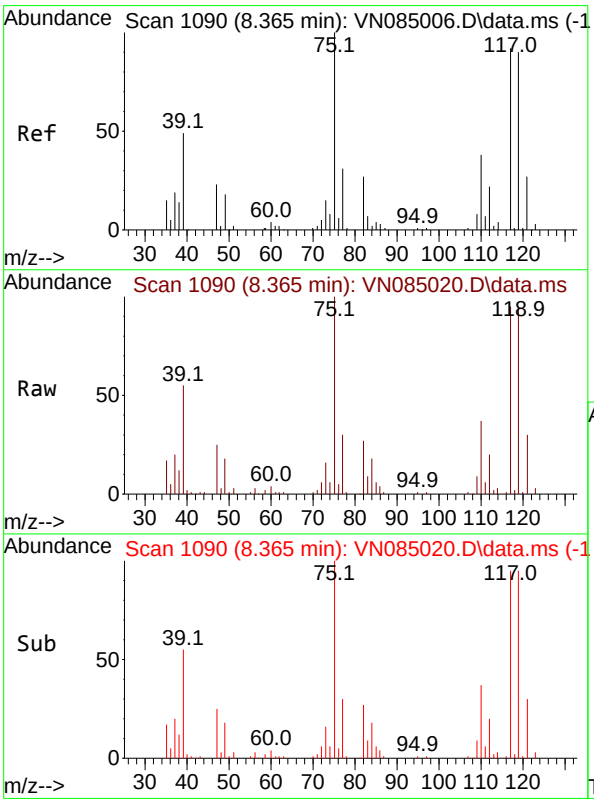
#35
Dibromofluoromethane
Concen: 49.940 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 95064

Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.0	123.0
192	18.0	14.8	22.2

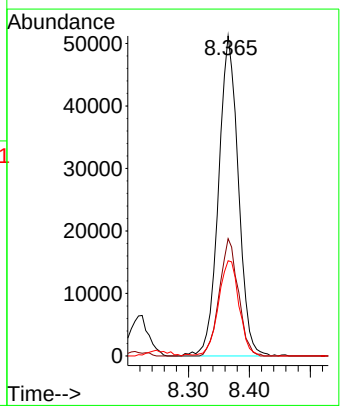


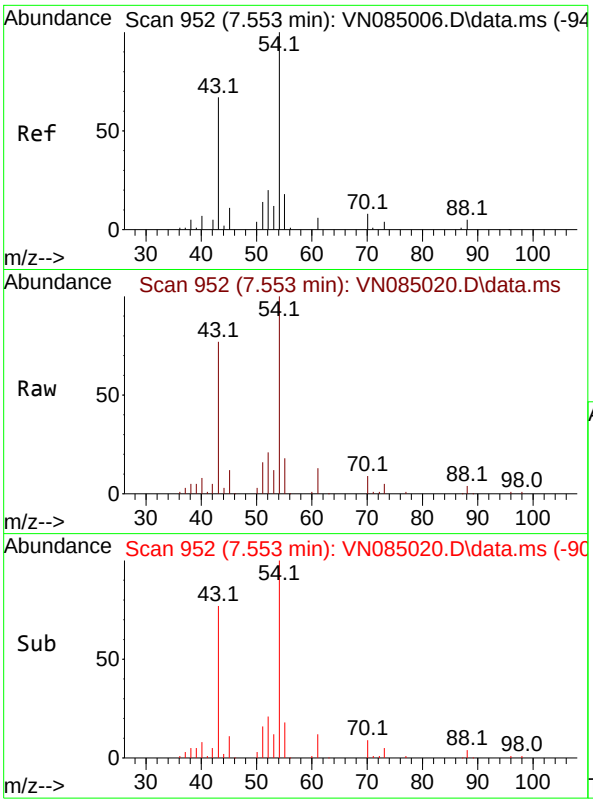


#36
1,1-Dichloropropene
Concen: 44.814 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 75 Resp: 115546

Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.2	51.6
77	31.1	24.2	36.4



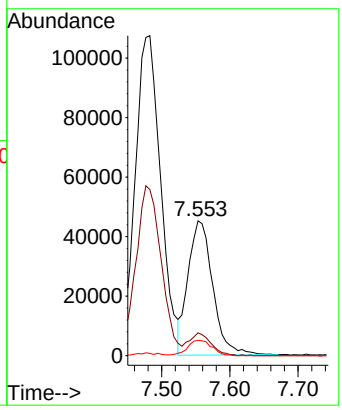


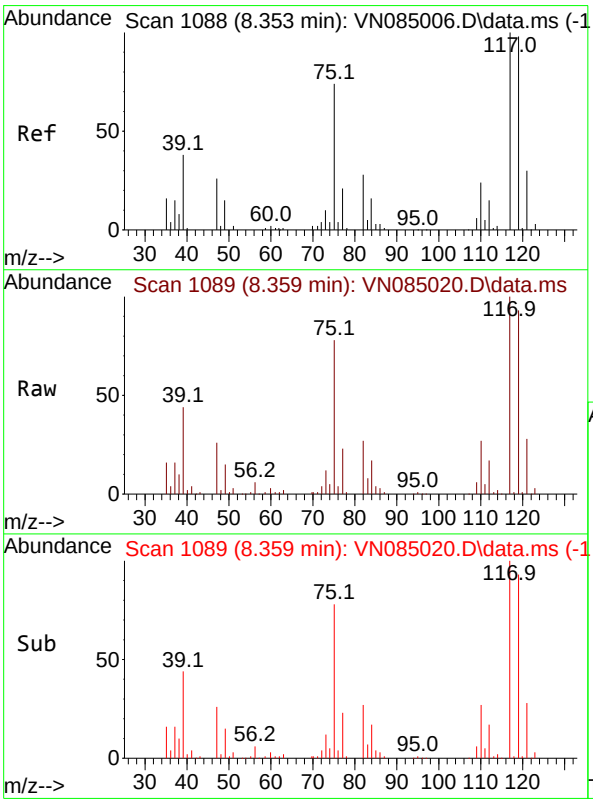
#37
Ethyl Acetate
Concen: 48.460 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 113589

Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.7	17.5
70	11.4	9.3	13.9

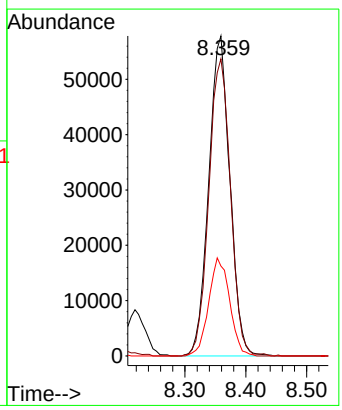


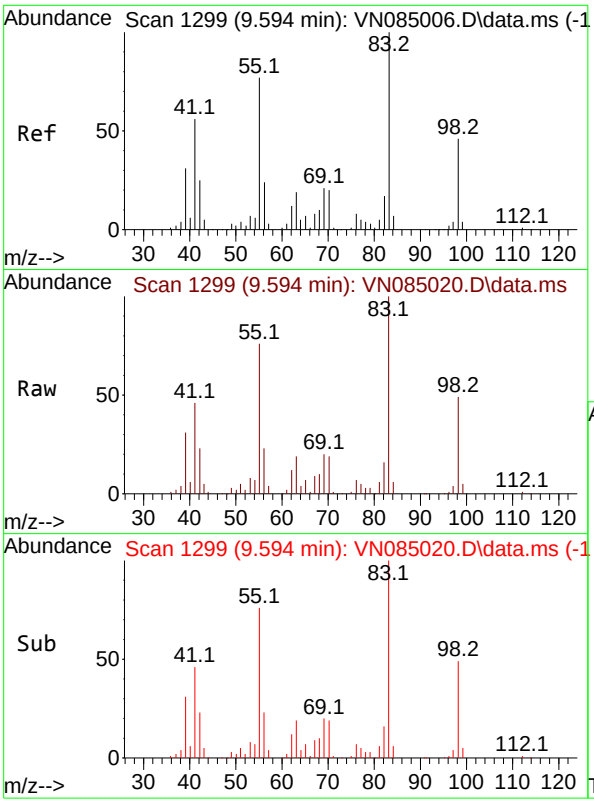


#38
Carbon Tetrachloride
Concen: 46.837 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:117 Resp: 139395

Ion	Ratio	Lower	Upper
117	100		
119	92.8	78.6	117.8
121	28.1	24.2	36.2



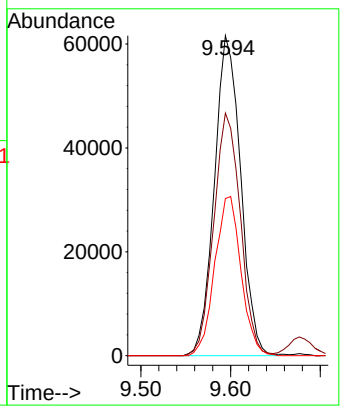


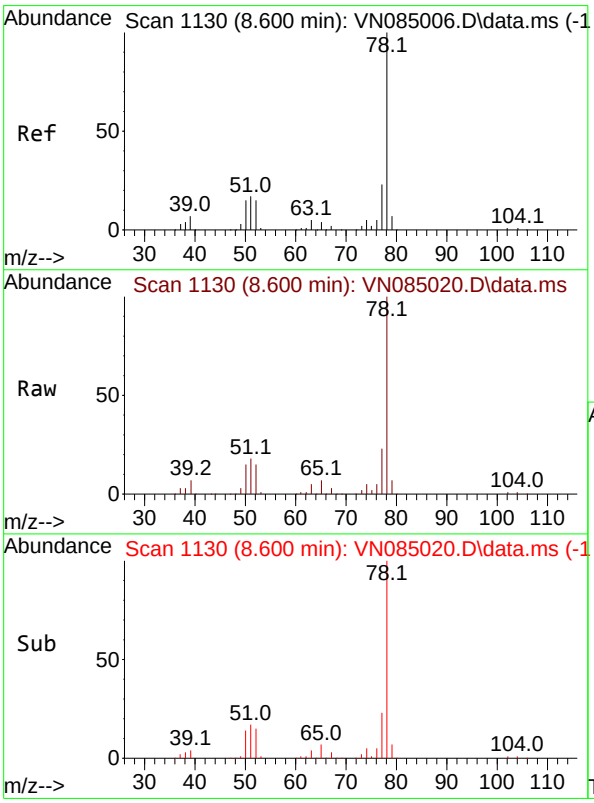
#39
Methylcyclohexane
Concen: 46.725 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 125188

Ion	Ratio	Lower	Upper
83	100		
55	75.8	61.8	92.6
98	49.1	37.0	55.6

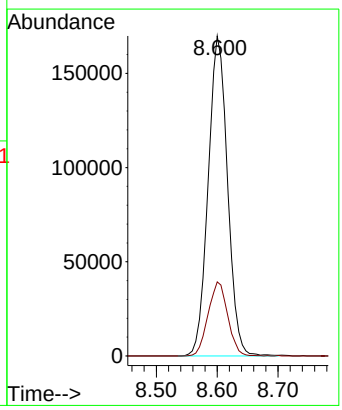


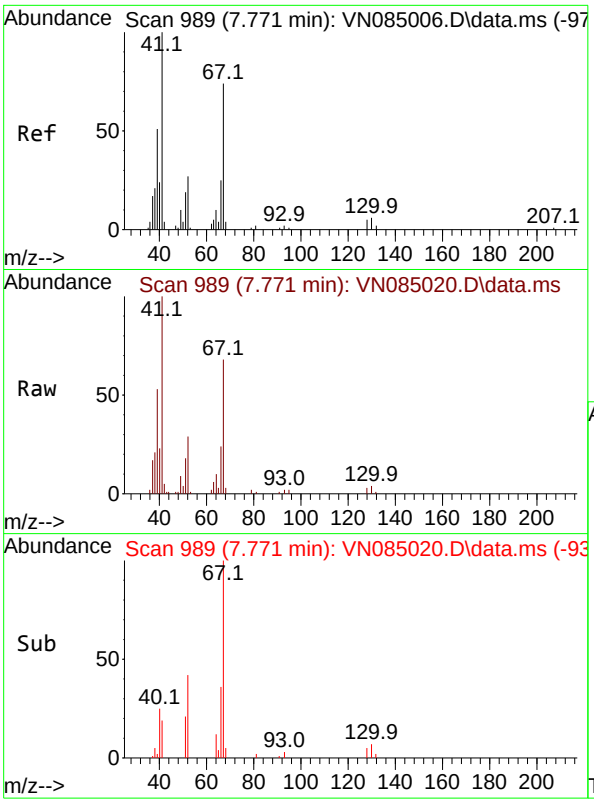


#40
Benzene
Concen: 46.008 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 78 Resp: 375189

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.5	27.7



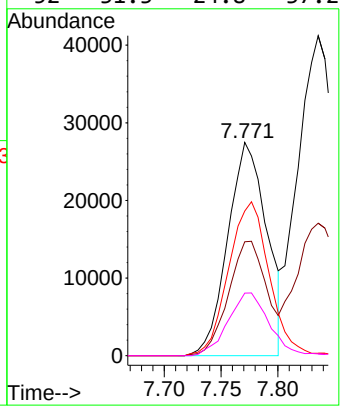


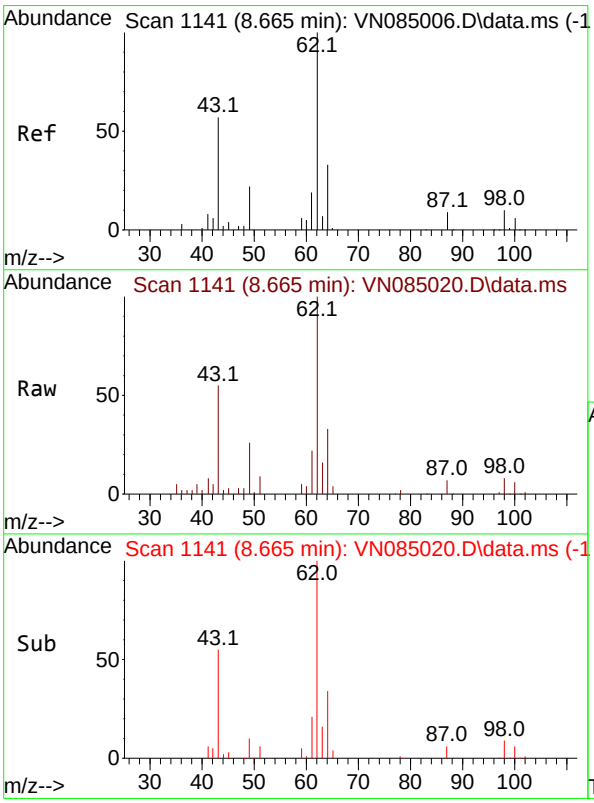
#41
Methacrylonitrile
Concen: 50.558 ug/l
RT: 7.771 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 65615

Ion	Ratio	Lower	Upper
41	100		
39	52.8	42.6	63.8
67	75.3	59.9	89.9
52	31.3	24.8	37.2

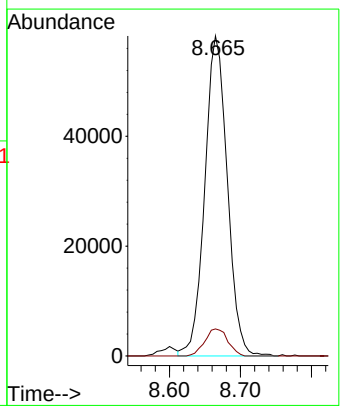


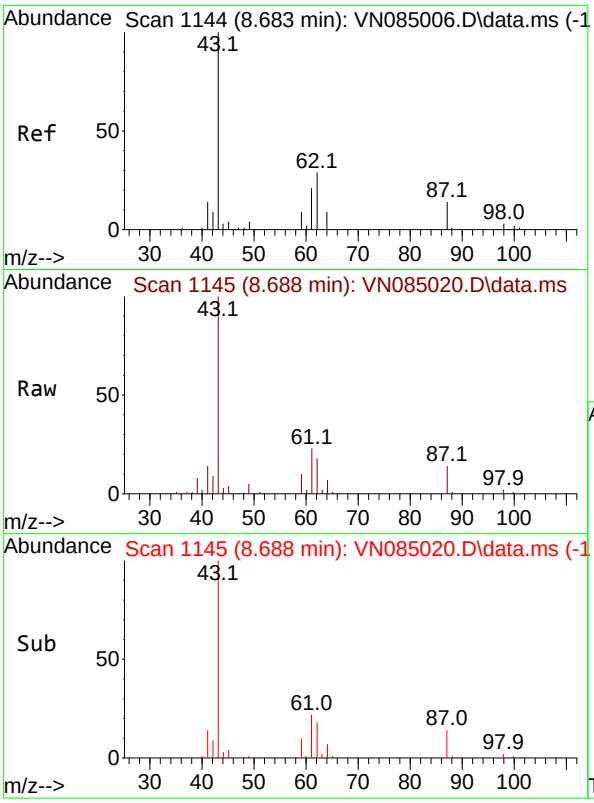


#42
1,2-Dichloroethane
Concen: 46.006 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 62 Resp: 128351

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.2



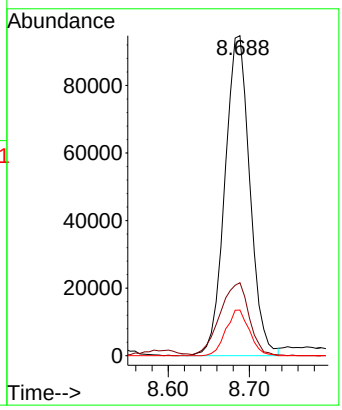


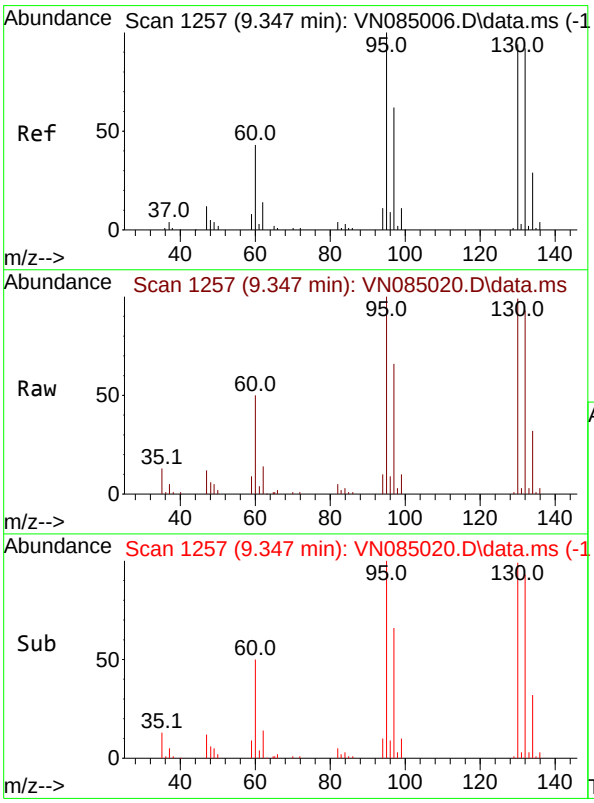
#43
Isopropyl Acetate
Concen: 41.566 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 202380

Ion	Ratio	Lower	Upper
43	100		
61	26.8	20.6	30.8
87	13.4	11.0	16.4

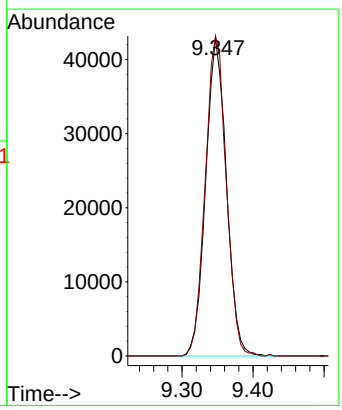


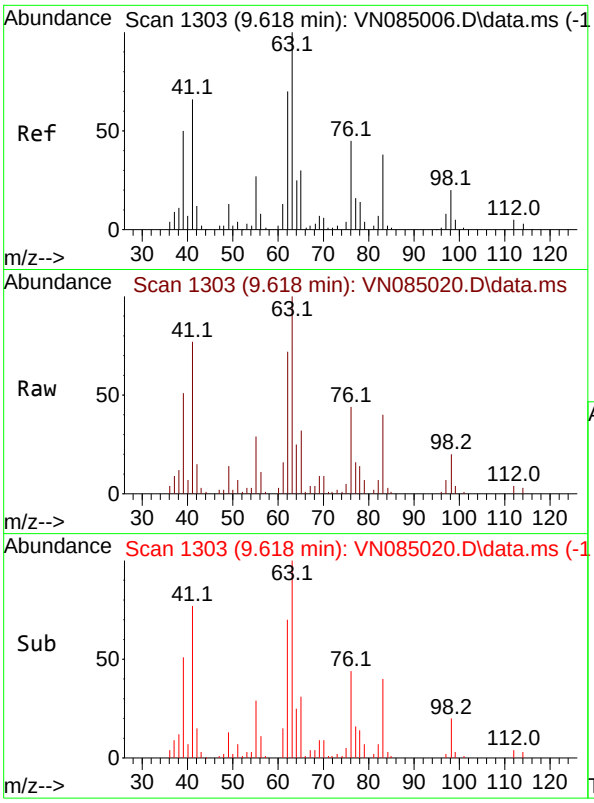


#44
Trichloroethene
Concen: 45.825 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:130 Resp: 86845

Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	213.4



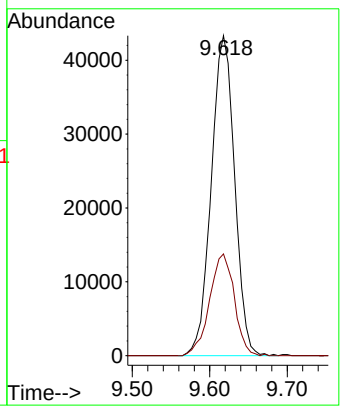


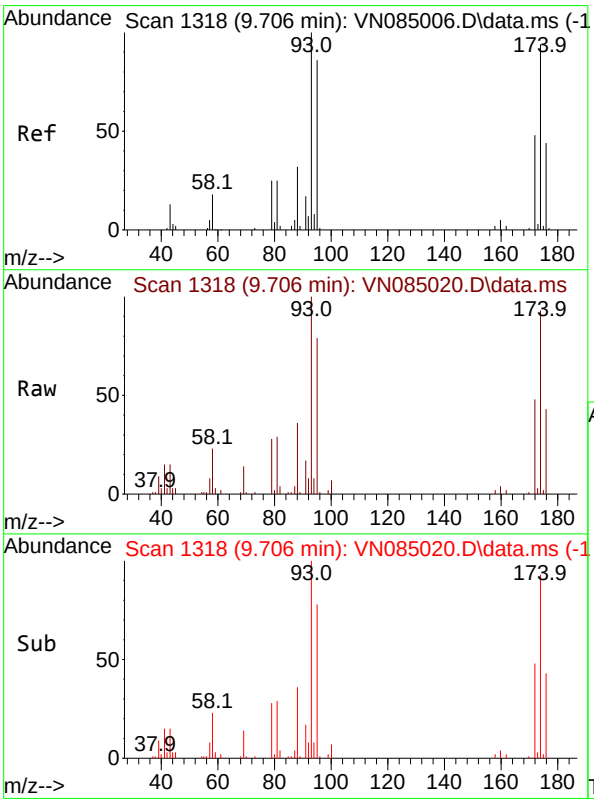
#45
1,2-Dichloropropane
Concen: 45.168 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 90723

Ion	Ratio	Lower	Upper
63	100		
65	31.8	24.0	36.0

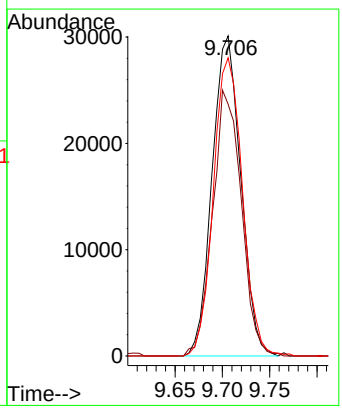


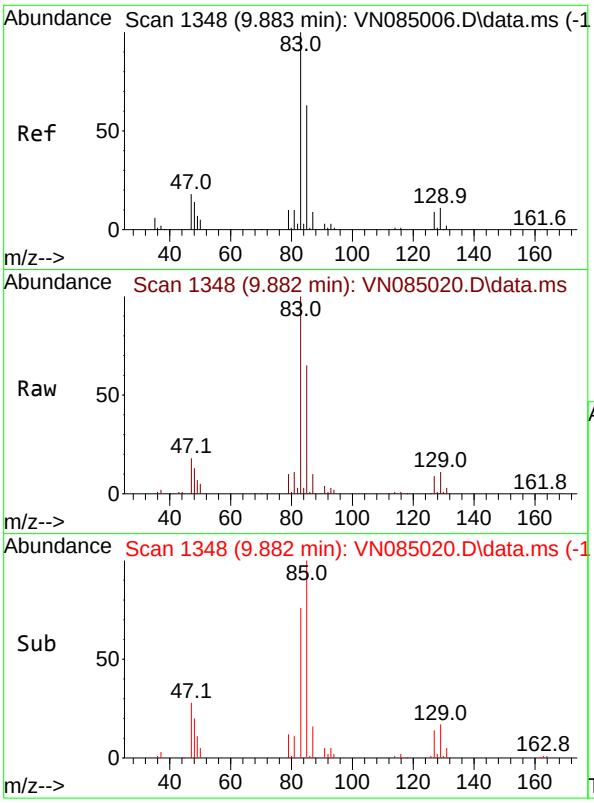


#46
Dibromomethane
Concen: 45.429 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 93 Resp: 63403

Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.2	99.4
174	94.2	74.9	112.3



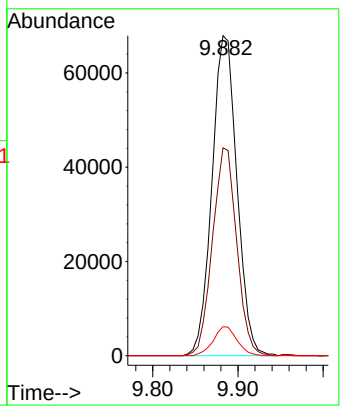


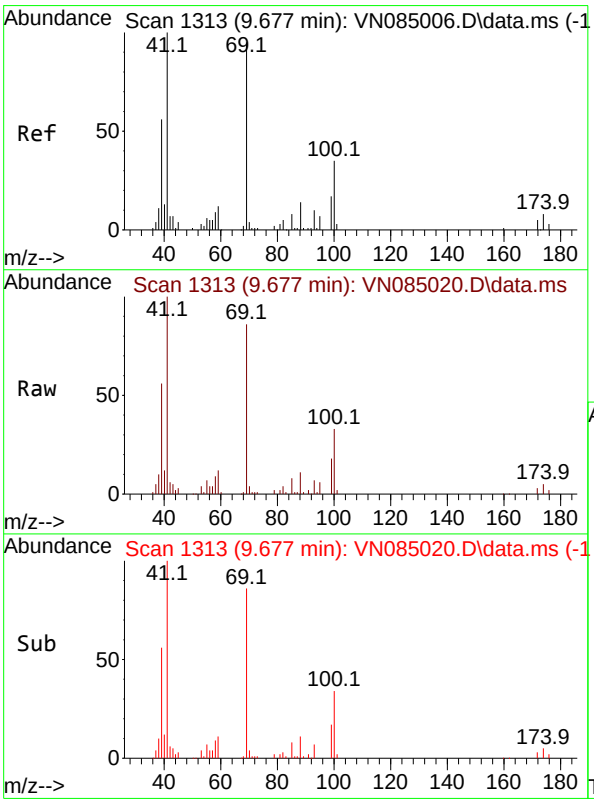
#47
Bromodichloromethane
Concen: 46.825 ug/l
RT: 9.882 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 138510

Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.5	75.7
127	9.1	7.1	10.7

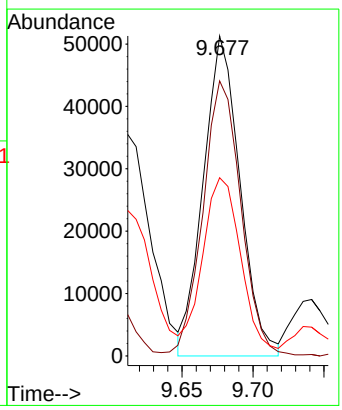


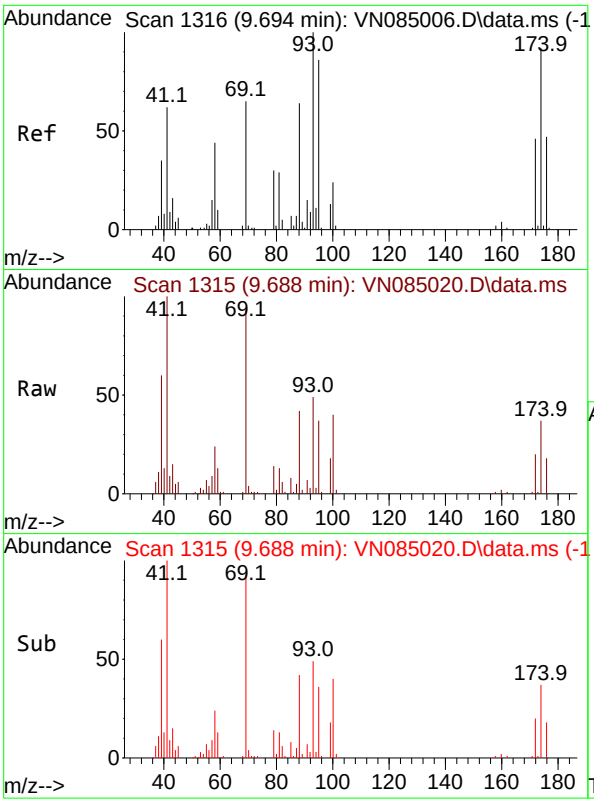


#48
Methyl methacrylate
Concen: 50.901 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 41 Resp: 92223

Ion	Ratio	Lower	Upper
41	100		
69	89.4	73.2	109.8
39	59.1	46.2	69.4



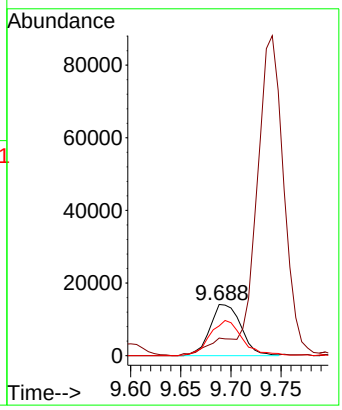


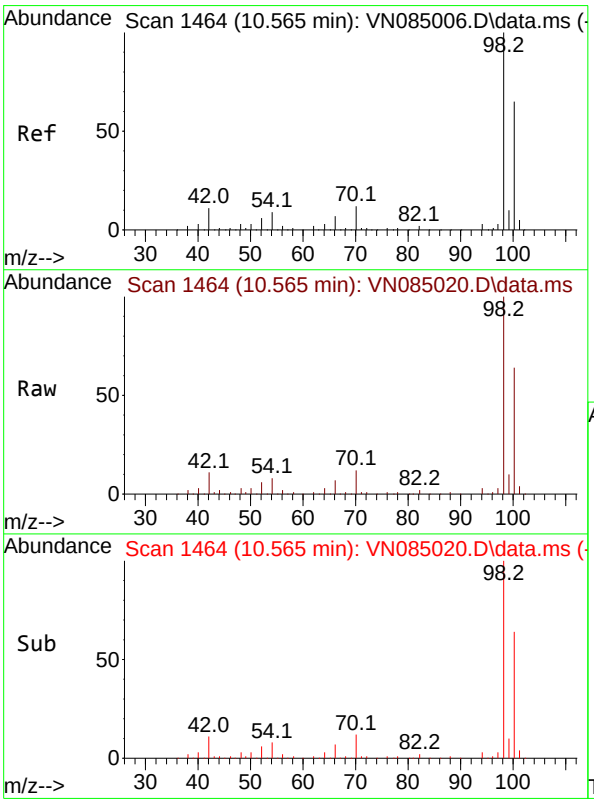
#49
1,4-Dioxane
Concen: 966.160 ug/l
RT: 9.688 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 30357

Ion	Ratio	Lower	Upper
88	100		
43	0.0	16.7	25.1#
58	73.0	56.5	84.7

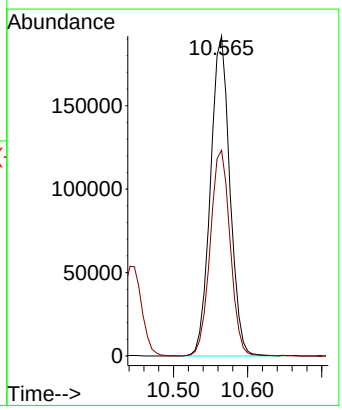


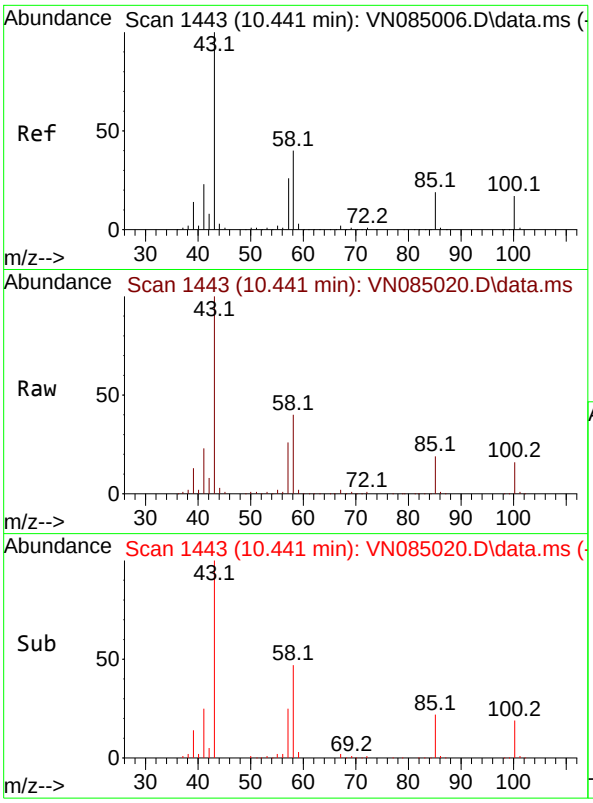


#50
Toluene-d8
Concen: 51.146 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 98 Resp: 348915

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.5	78.7



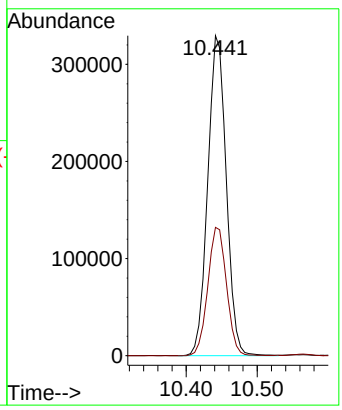


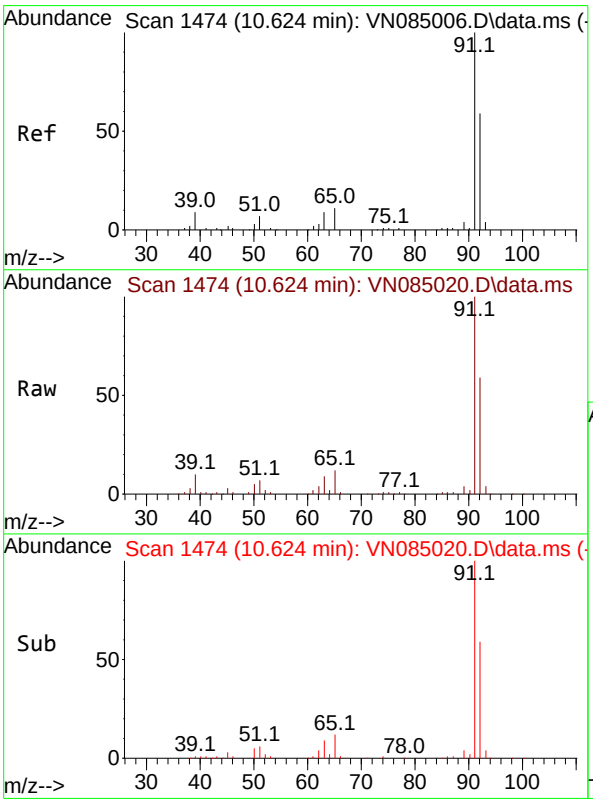
#51
4-Methyl-2-Pentanone
Concen: 268.135 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 596300

Ion	Ratio	Lower	Upper
43	100		
58	40.6	32.1	48.1

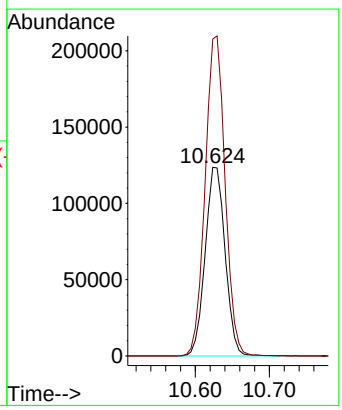


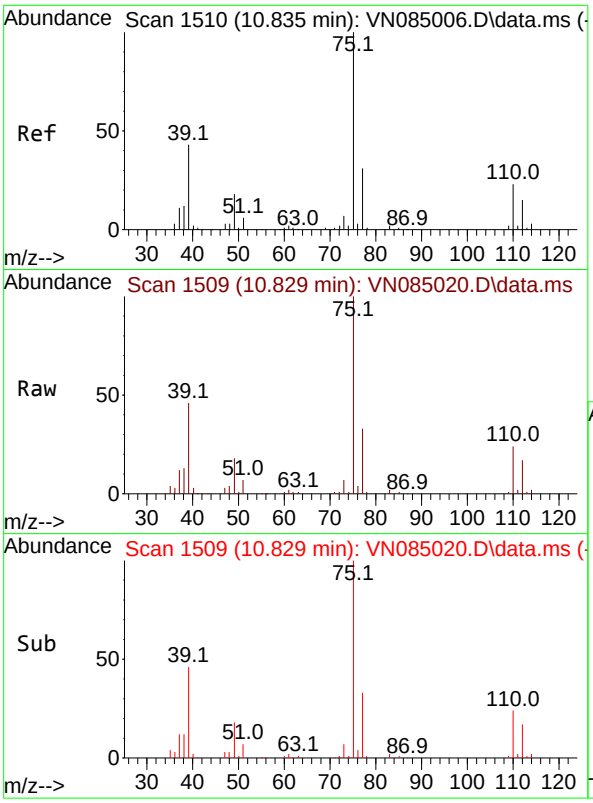


#52
Toluene
Concen: 47.864 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 92 Resp: 231070

Ion	Ratio	Lower	Upper
92	100		
91	169.8	136.7	205.1



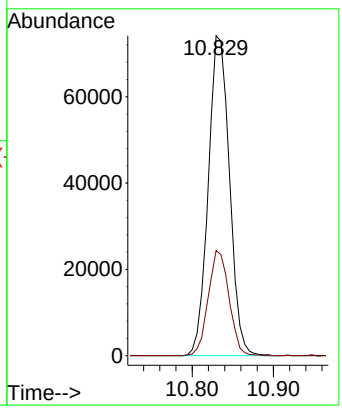


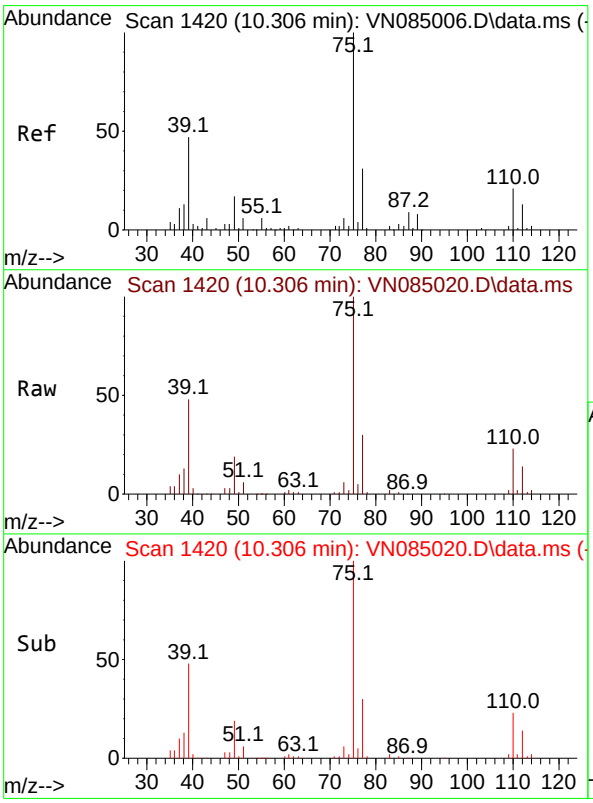
#53
t-1,3-Dichloropropene
Concen: 45.368 ug/l
RT: 10.829 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 134544

Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.0	37.4

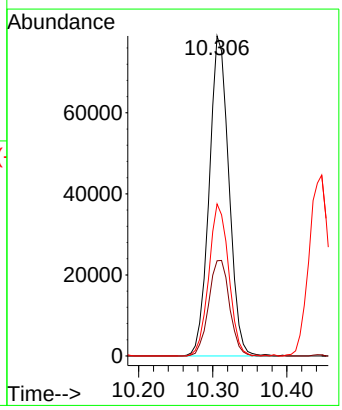


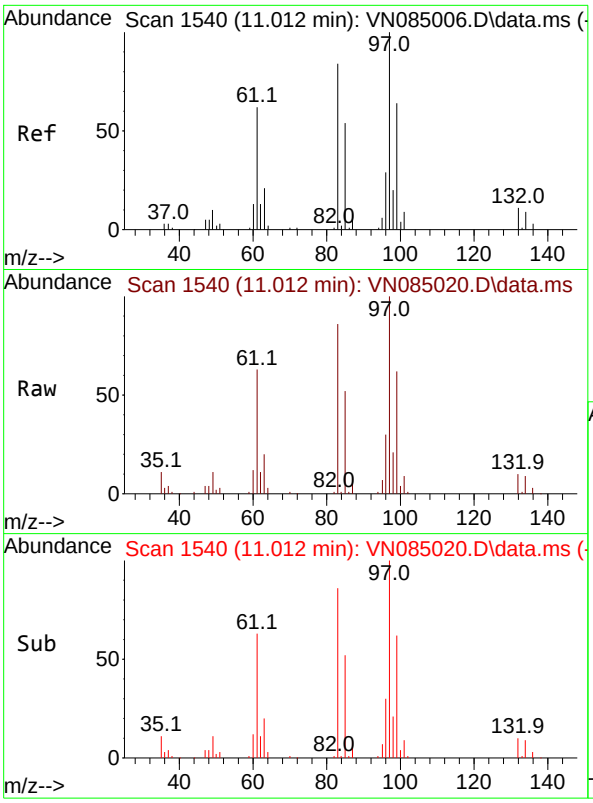


#54
cis-1,3-Dichloropropene
Concen: 46.288 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 75 Resp: 145629

Ion	Ratio	Lower	Upper
75	100		
77	29.8	25.0	37.4
39	47.5	37.6	56.4



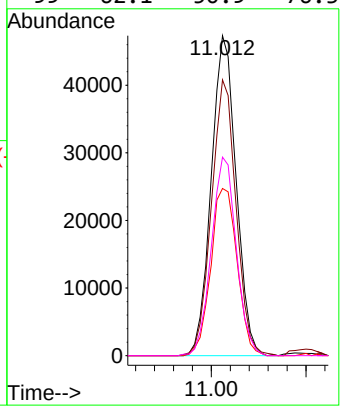


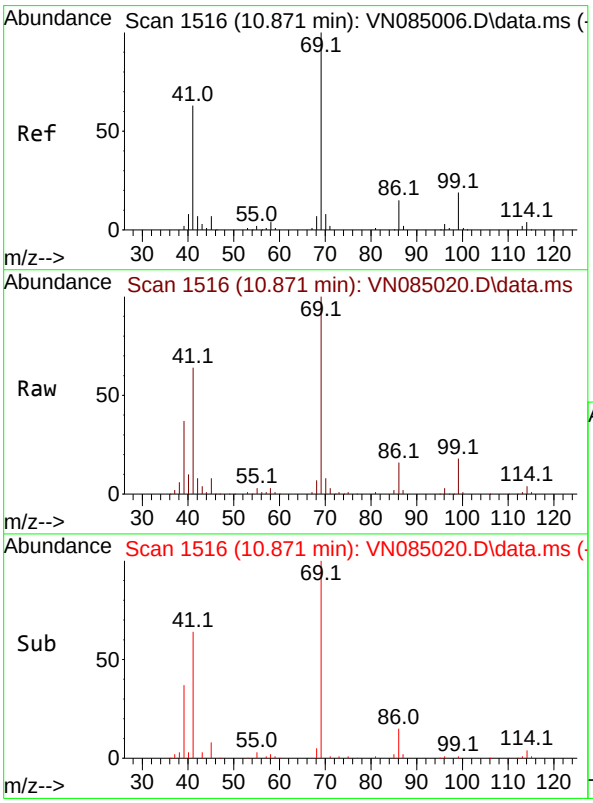
#55
1,1,2-Trichloroethane
Concen: 48.013 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 86336

Ion	Ratio	Lower	Upper
97	100		
83	86.2	67.4	101.2
85	52.2	43.1	64.7
99	62.1	50.9	76.3

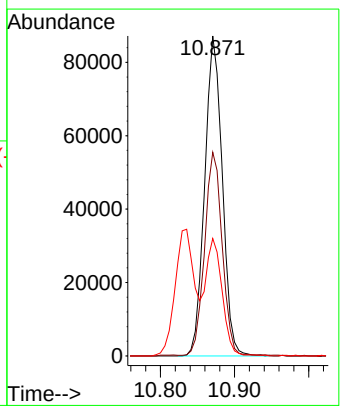


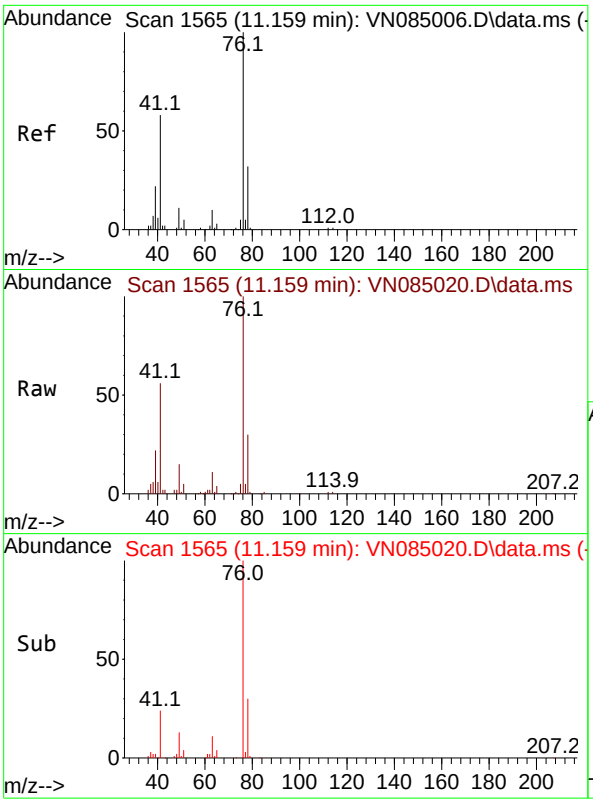


#56
Ethyl methacrylate
Concen: 54.717 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 69 Resp: 143775

Ion	Ratio	Lower	Upper
69	100		
41	63.2	50.0	75.0
39	34.6	27.0	40.6



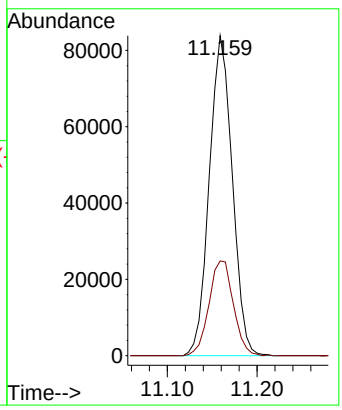


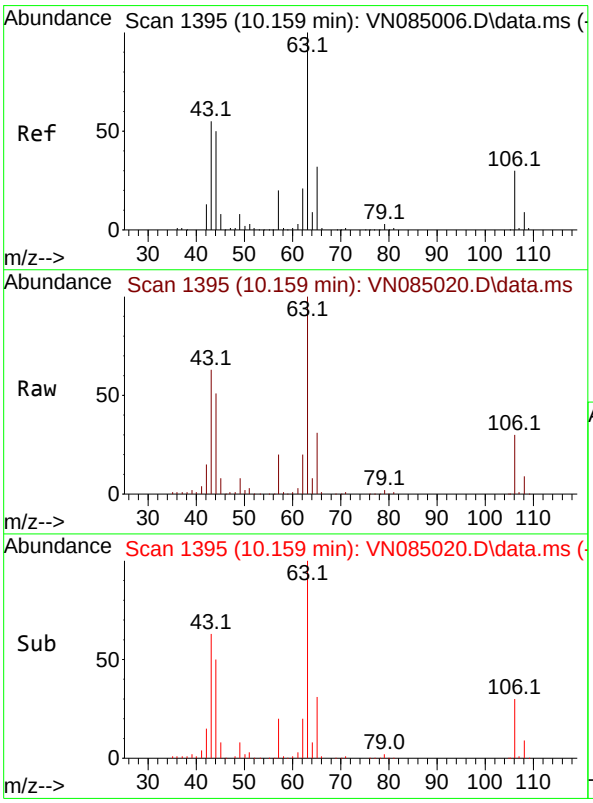
#57
1,3-Dichloropropane
Concen: 47.176 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 149304

Ion	Ratio	Lower	Upper
76	100		
78	31.4	26.1	39.1

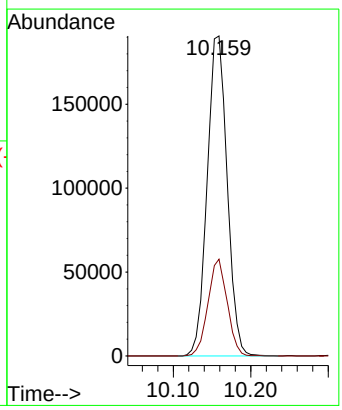


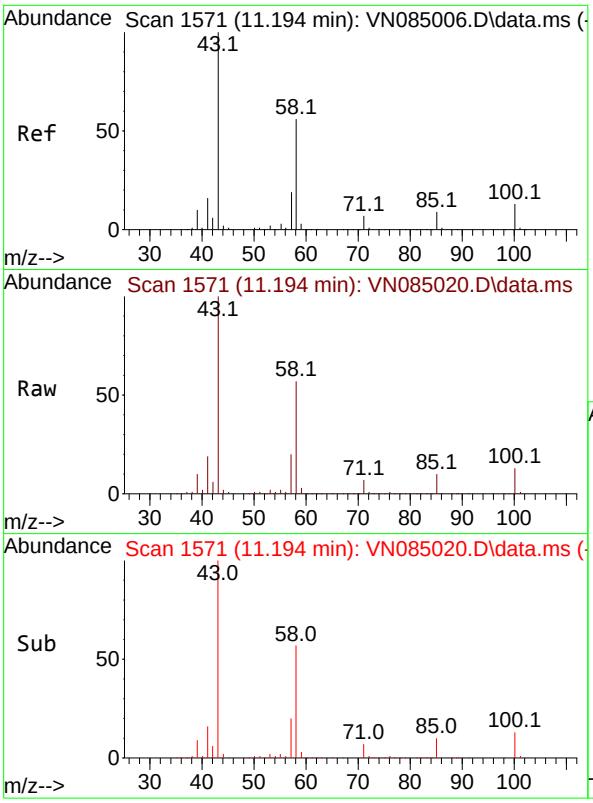


#58
2-Chloroethyl Vinyl ether
Concen: 265.424 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 63 Resp: 342109

Ion	Ratio	Lower	Upper
63	100		
106	29.1	23.0	34.6



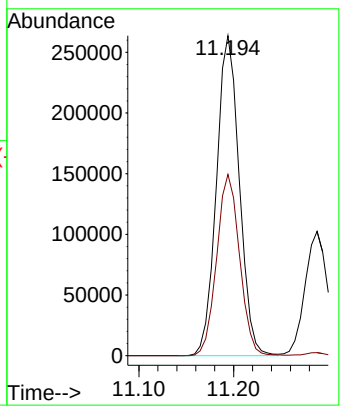


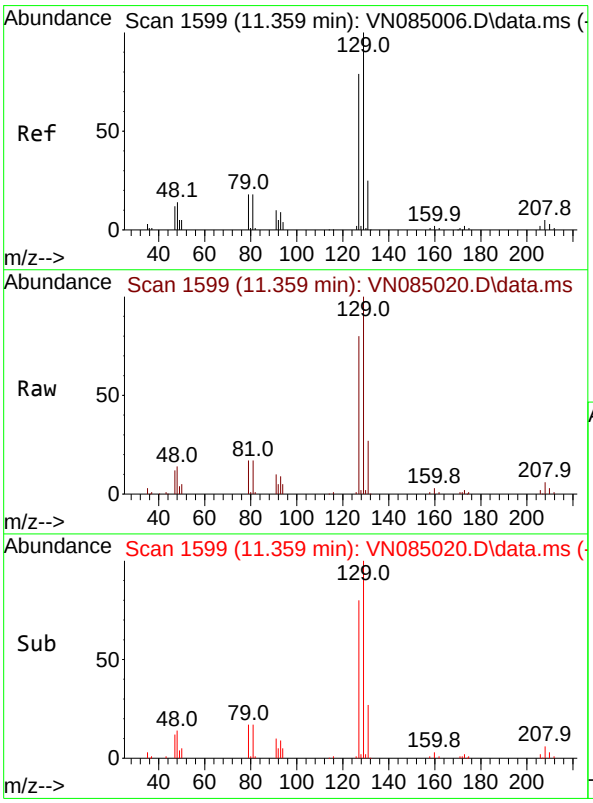
#59
2-Hexanone
Concen: 266.432 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 443144

Ion	Ratio	Lower	Upper
43	100		
58	56.6	28.3	85.0

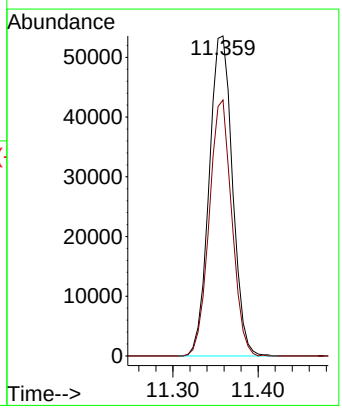


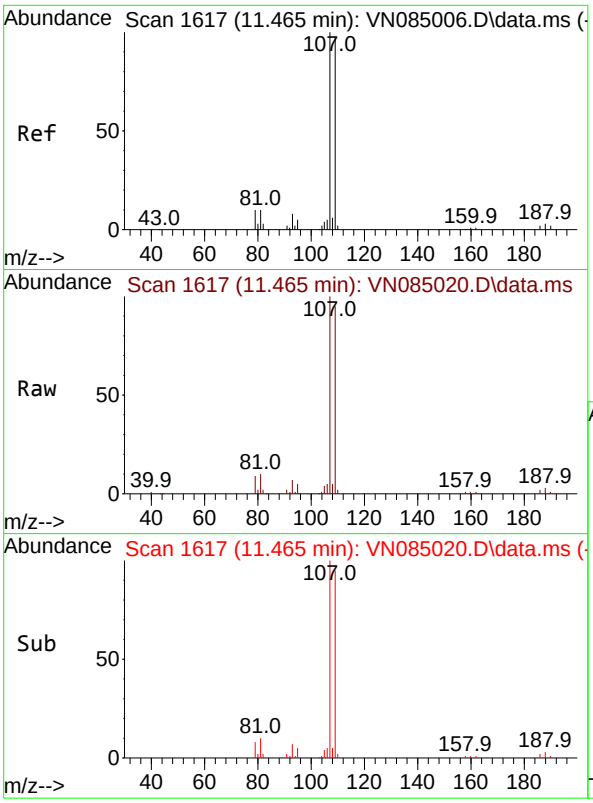


#60
Dibromochloromethane
Concen: 46.342 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:129 Resp: 101844

Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.2	117.6



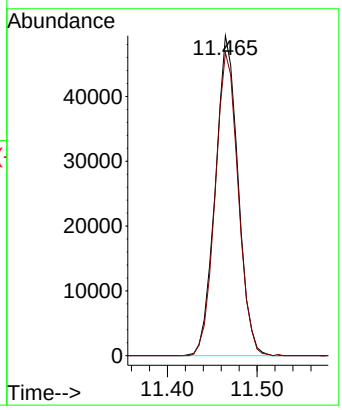


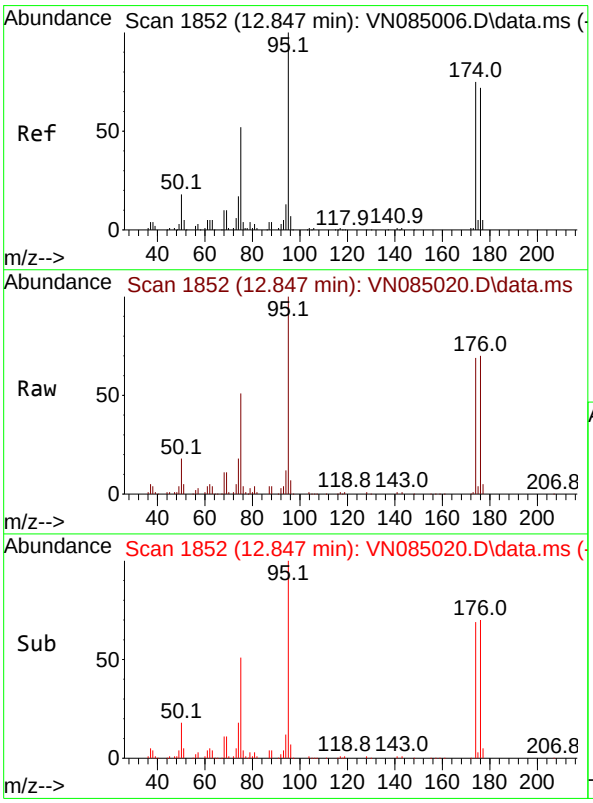
#61
1,2-Dibromoethane
Concen: 46.652 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 86818

Ion	Ratio	Lower	Upper
107	100		
109	95.9	76.1	114.1

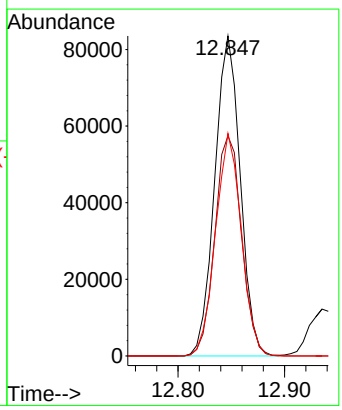


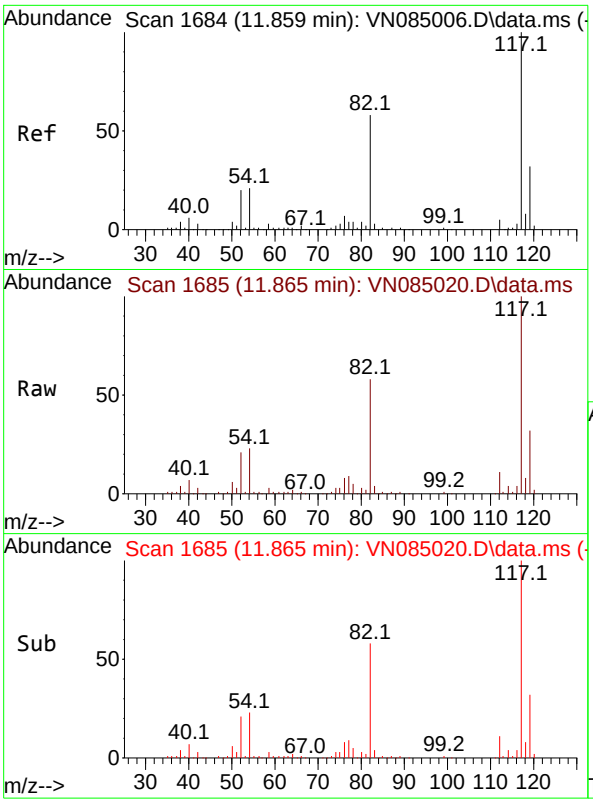


#62
4-Bromofluorobenzene
Concen: 54.436 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 95 Resp: 138876

Ion	Ratio	Lower	Upper
95	100		
174	72.0	0.0	146.6
176	70.2	0.0	141.8



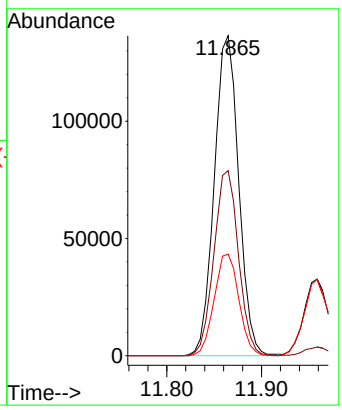


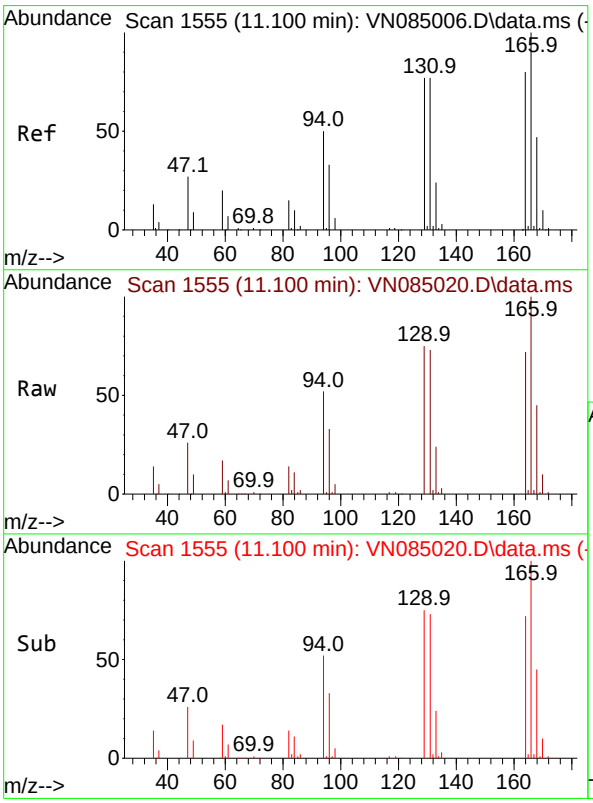
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 244375

Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.0	69.0
119	31.7	25.6	38.4

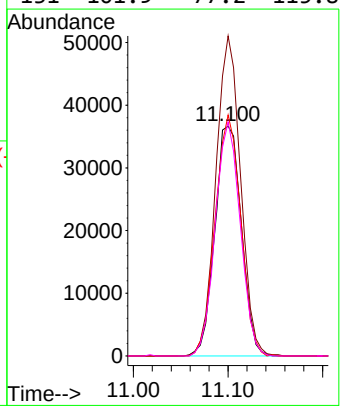


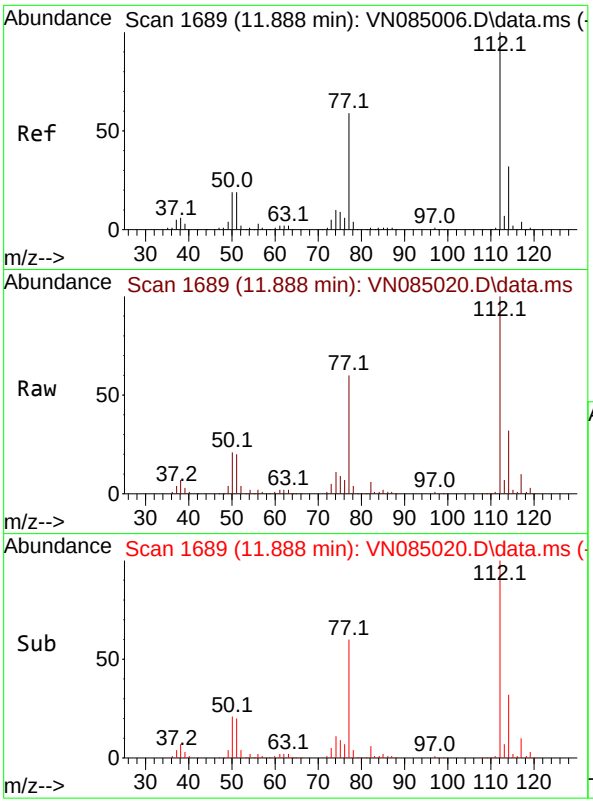


#64
Tetrachloroethene
Concen: 43.303 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:164 Resp: 71306

Ion	Ratio	Lower	Upper
164	100		
166	139.3	100.6	151.0
129	104.9	77.7	116.5
131	101.9	77.2	115.8



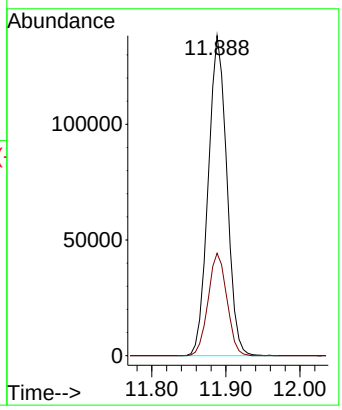


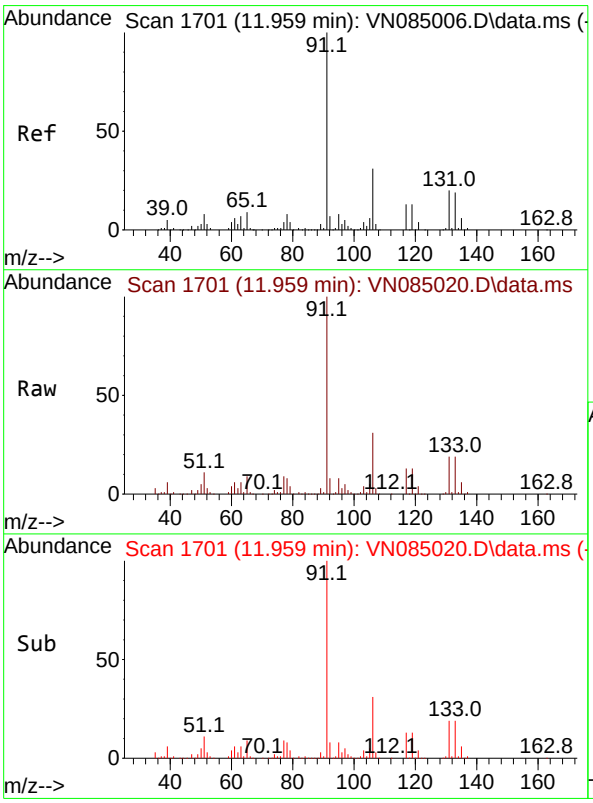
#65
Chlorobenzene
Concen: 43.438 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 240742

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.8	38.6

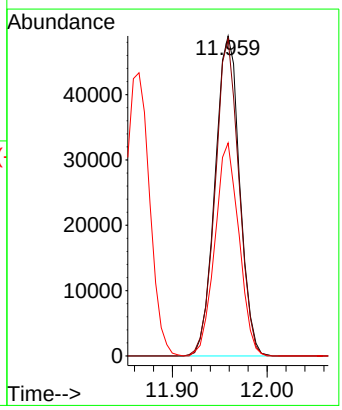


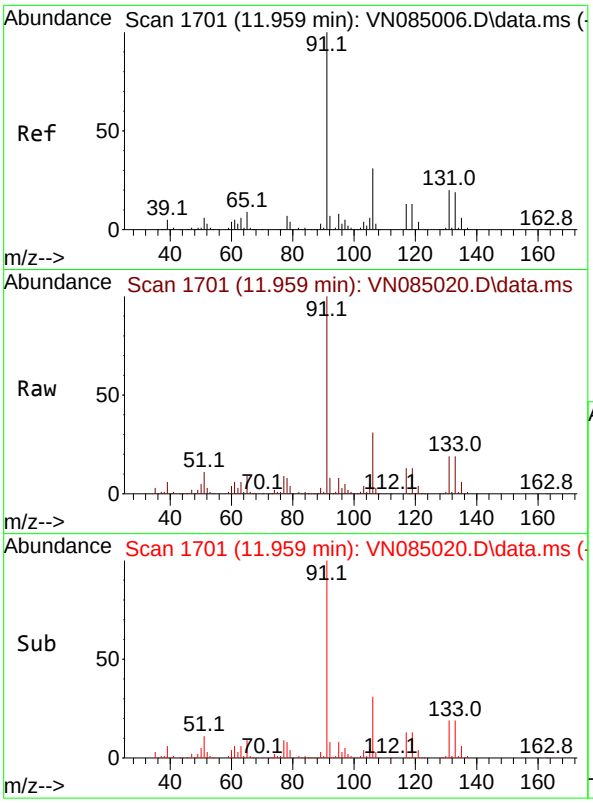


#66
1,1,1,2-Tetrachloroethane
Concen: 45.226 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:131 Resp: 88250

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.8	143.4
119	65.3	32.1	96.3



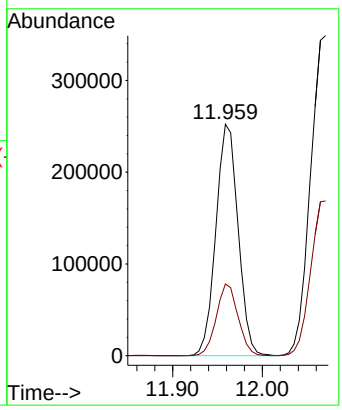


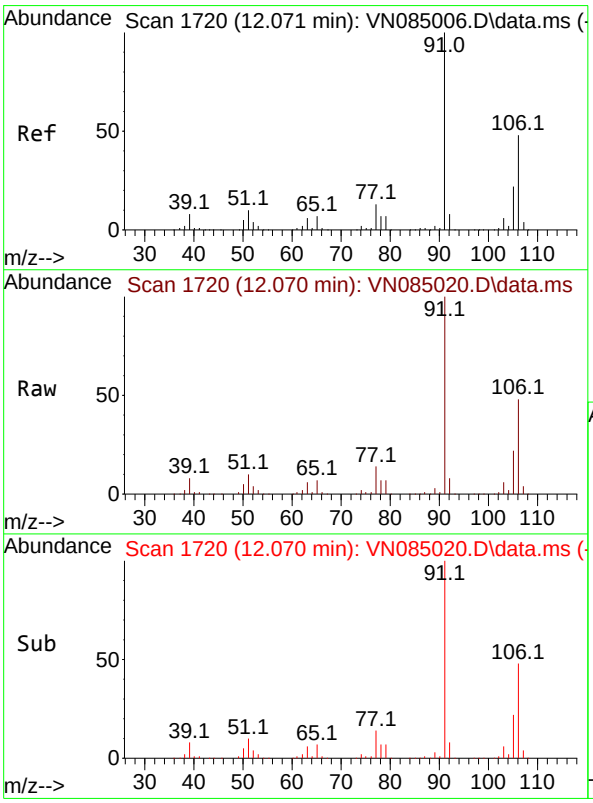
#67
Ethyl Benzene
Concen: 48.195 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 433345

Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.7	37.1

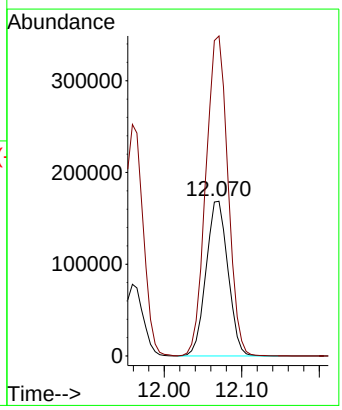


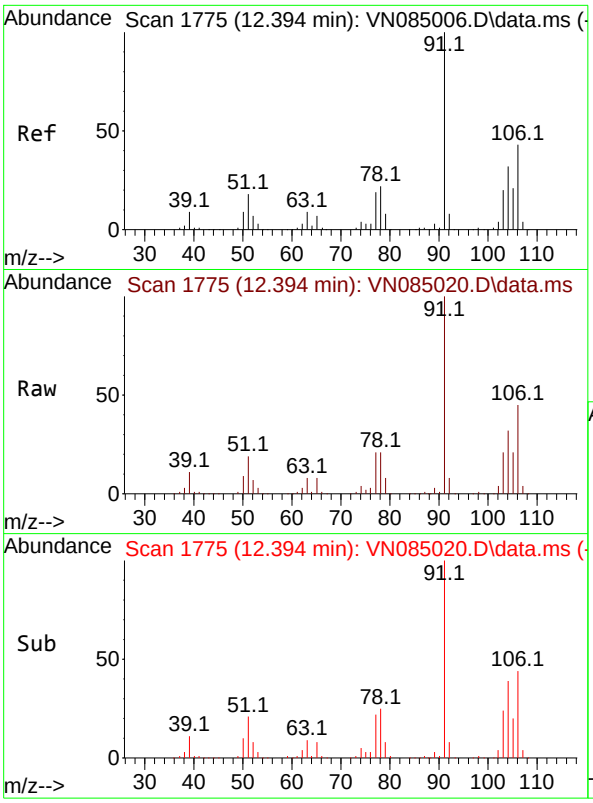


#68
m/p-Xylenes
Concen: 96.880 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:106 Resp: 331642

Ion	Ratio	Lower	Upper
106	100		
91	207.8	168.0	252.0



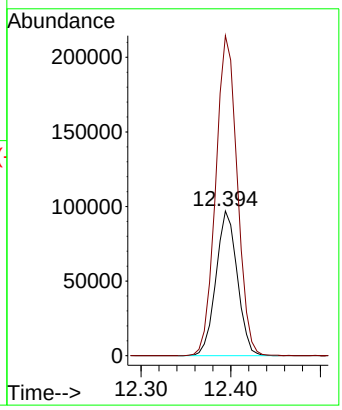


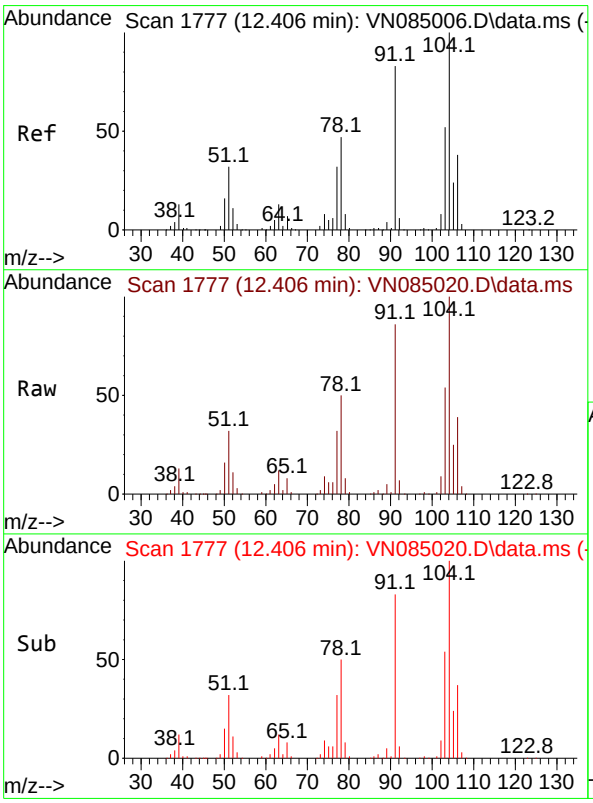
#69
o-Xylene
Concen: 49.101 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 159889

Ion	Ratio	Lower	Upper
106	100		
91	223.6	110.7	331.9

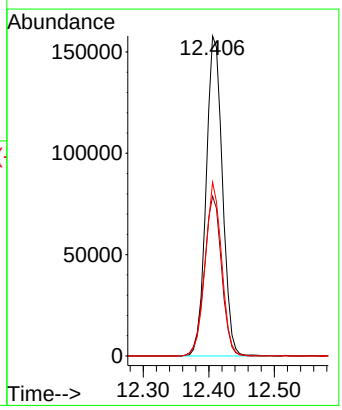


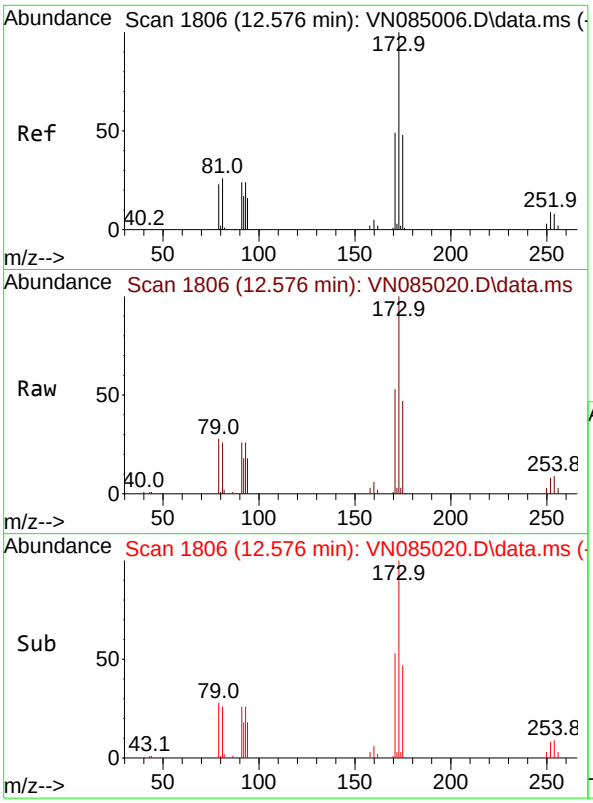


#70
Styrene
Concen: 50.416 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:104 Resp: 273009

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.3	63.5
103	54.7	44.2	66.2



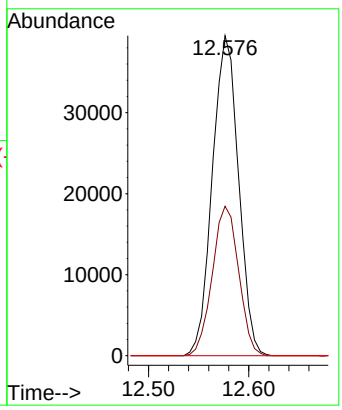


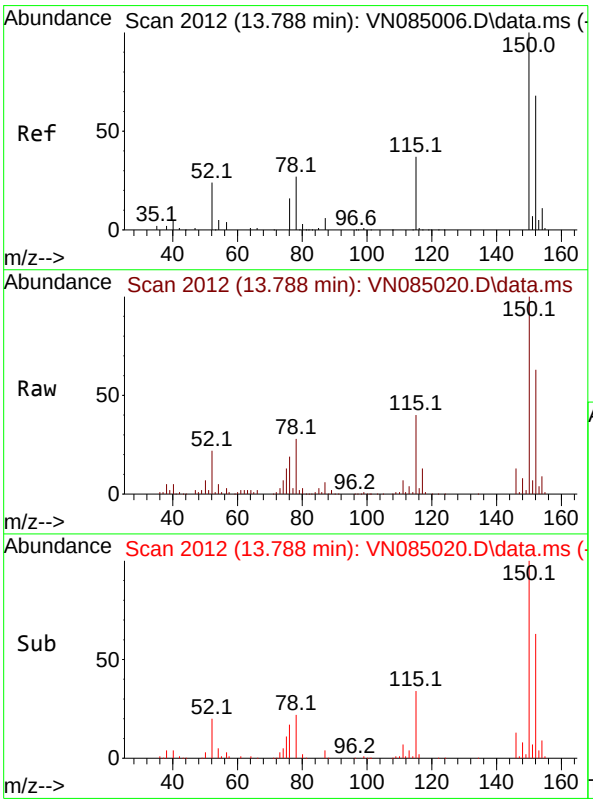
#71
Bromoform
Concen: 49.313 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 71427

Ion	Ratio	Lower	Upper
173	100		
175	47.1	23.8	71.2
254	0.0	0.0	0.0

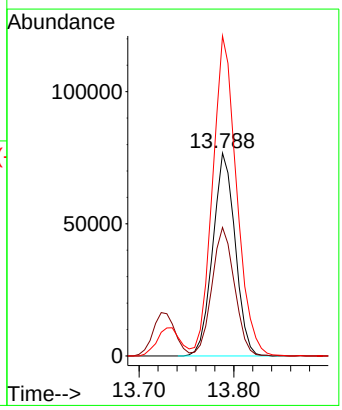


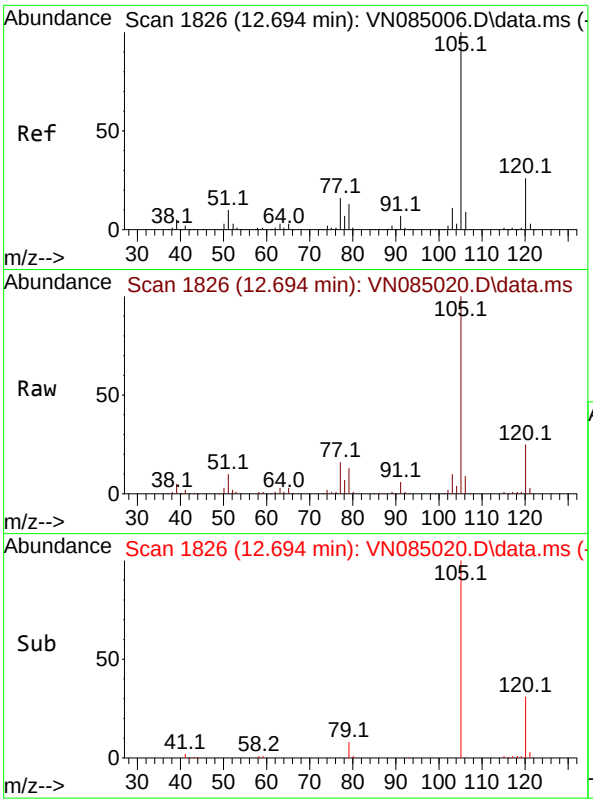


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:152 Resp: 126177

Ion	Ratio	Lower	Upper
152	100		
115	63.9	31.7	95.1
150	169.3	0.0	351.4



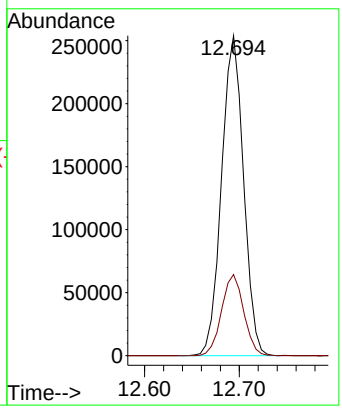


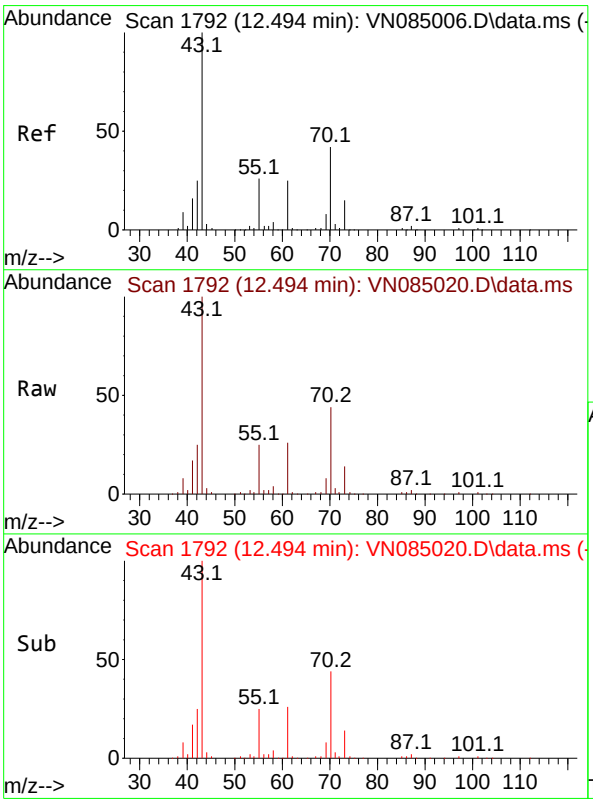
#73
Isopropylbenzene
Concen: 46.030 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 409728

Ion	Ratio	Lower	Upper
105	100		
120	25.5	13.0	39.0

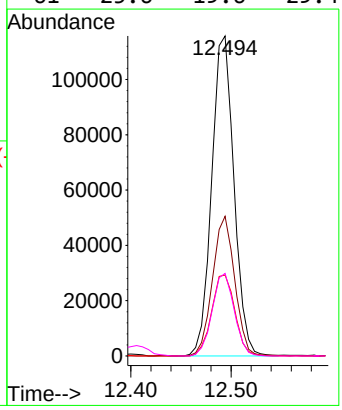


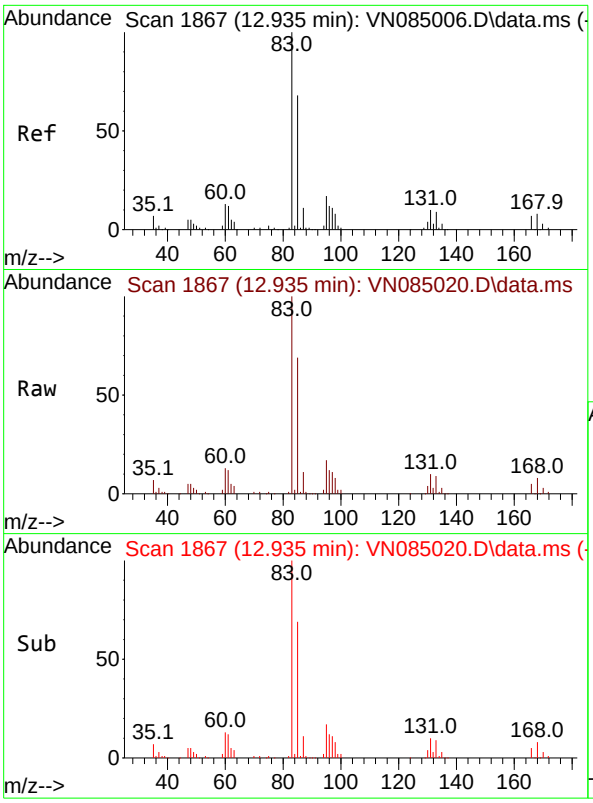


#74
N-amyl acetate
Concen: 48.703 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 43 Resp: 178643

Ion	Ratio	Lower	Upper
43	100		
70	43.7	34.6	51.8
55	26.4	20.5	30.7
61	25.6	19.6	29.4



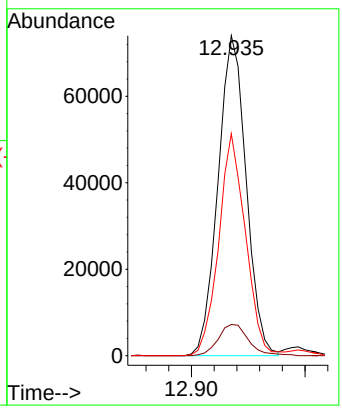


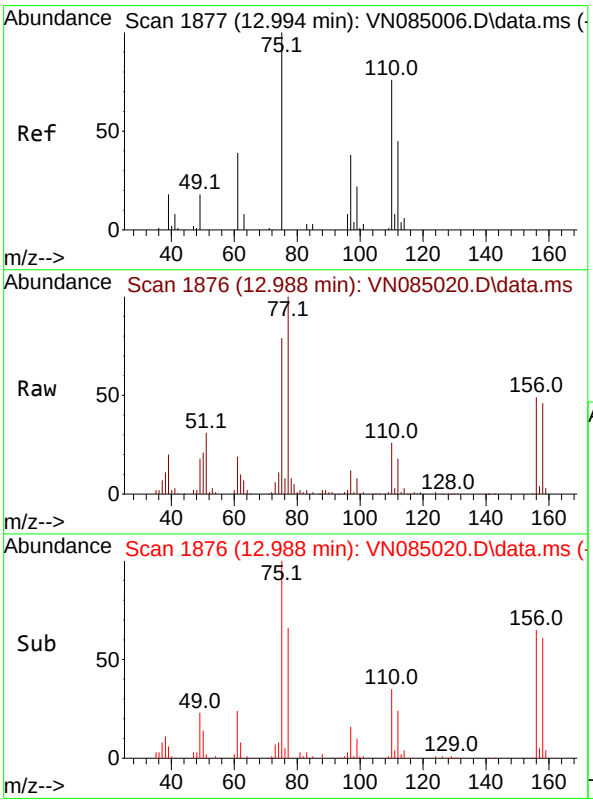
#75
1,1,2,2-Tetrachloroethane
Concen: 41.909 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 127388

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.1	15.4
85	65.9	32.1	96.3

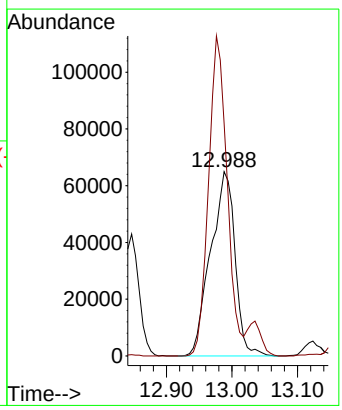


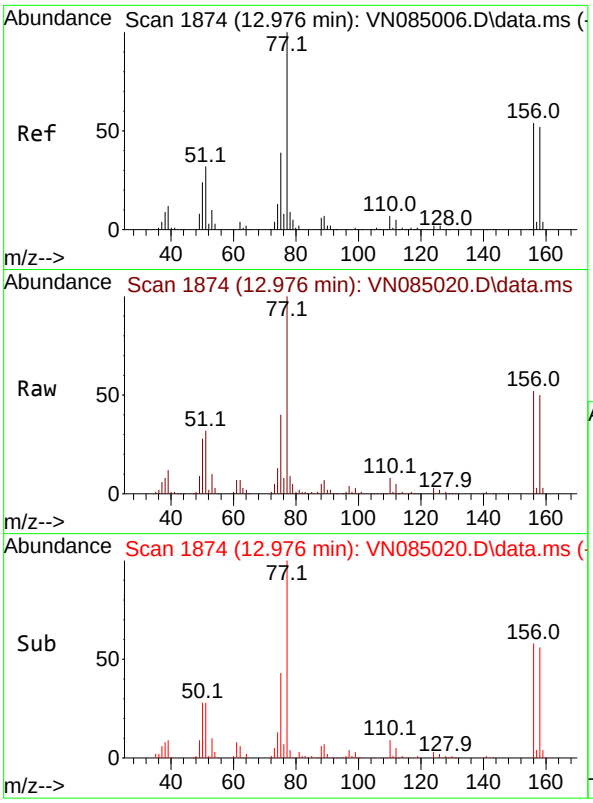


#76
1,2,3-Trichloropropane
Concen: 73.094 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 75 Resp: 167755

Ion	Ratio	Lower	Upper
75	100		
77	132.2	109.1	327.4



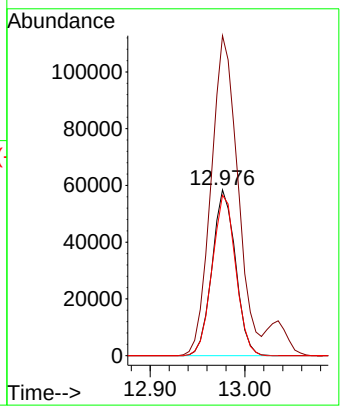


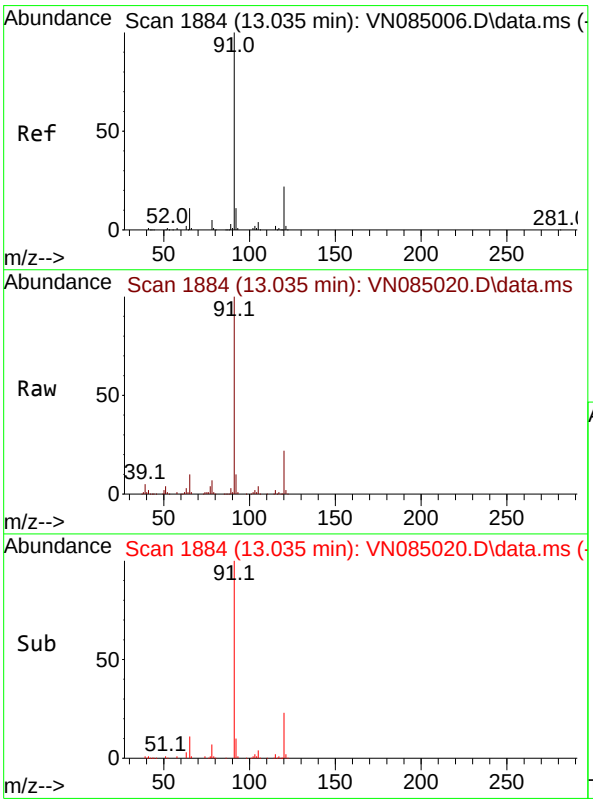
#77
Bromobenzene
Concen: 41.895 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 100357

Ion	Ratio	Lower	Upper
156	100		
77	221.0	107.2	321.6
158	97.6	48.5	145.6

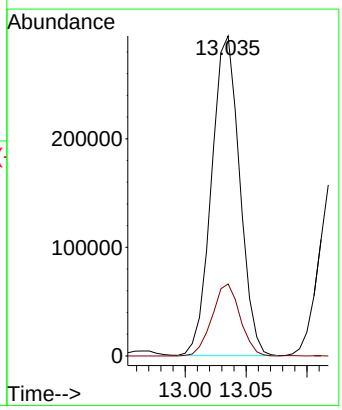


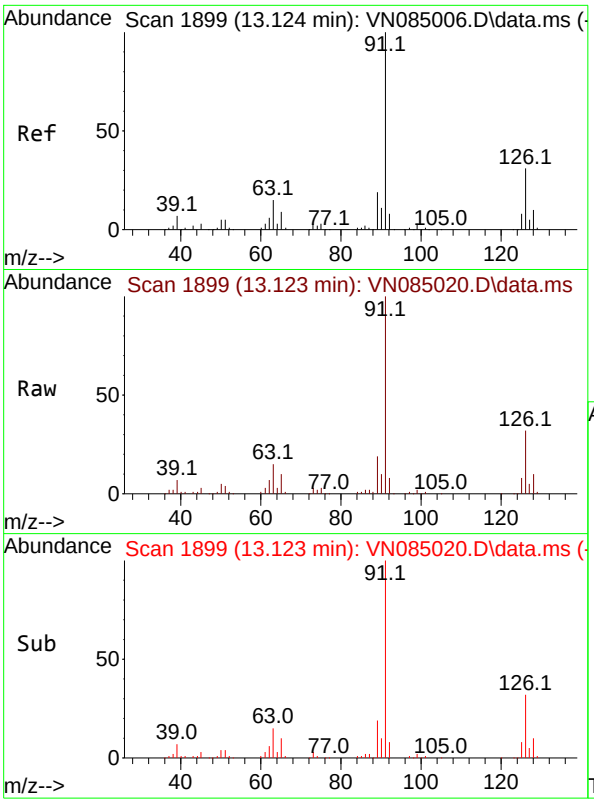


#78
n-propylbenzene
Concen: 46.093 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 91 Resp: 473235

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.3	33.9



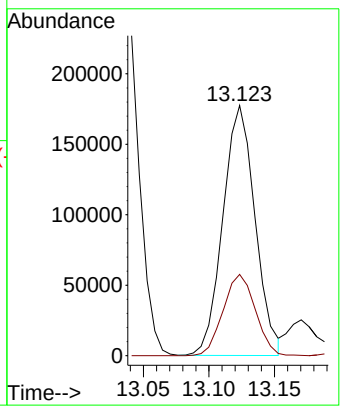


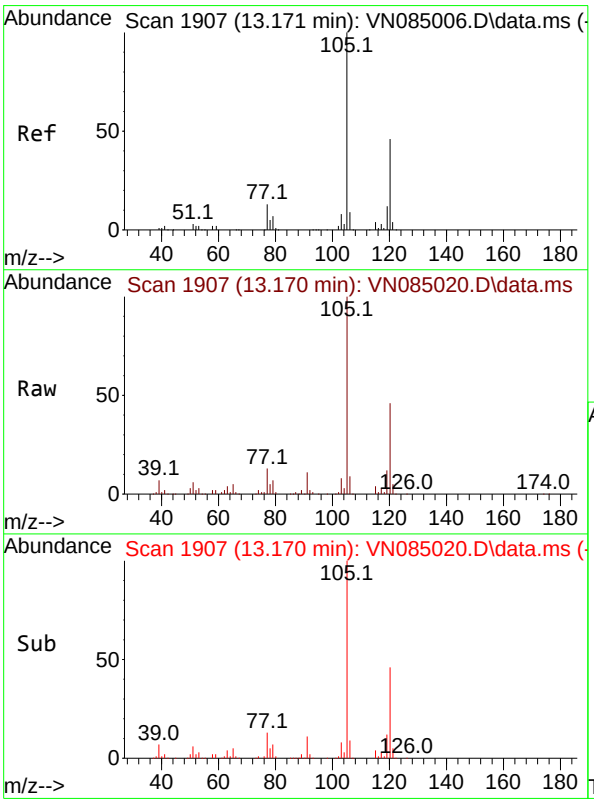
#79
2-Chlorotoluene
Concen: 44.205 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 302969

Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.1	48.3

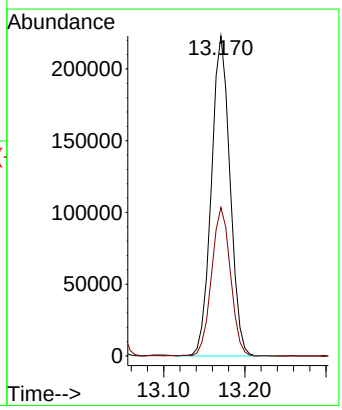


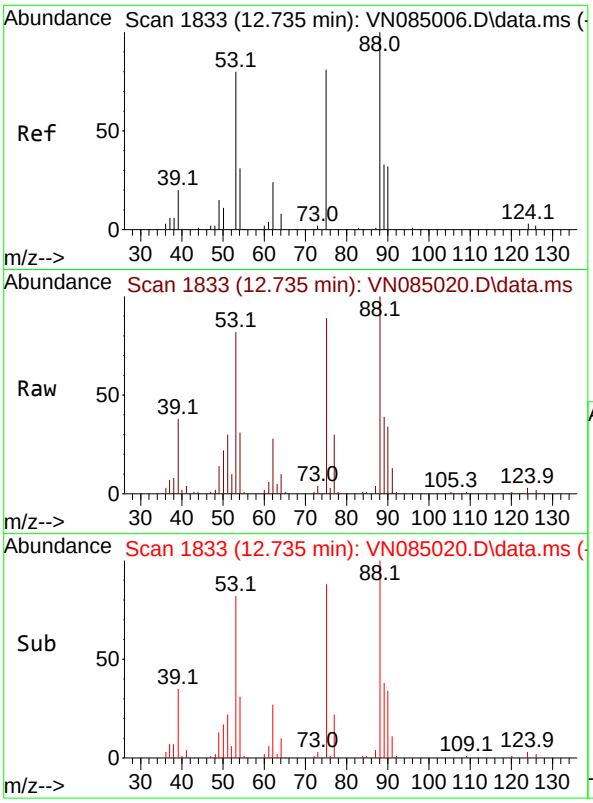


#80
1,3,5-Trimethylbenzene
Concen: 47.623 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:105 Resp: 355712

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.6	71.0



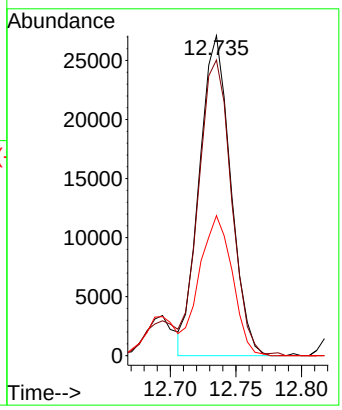


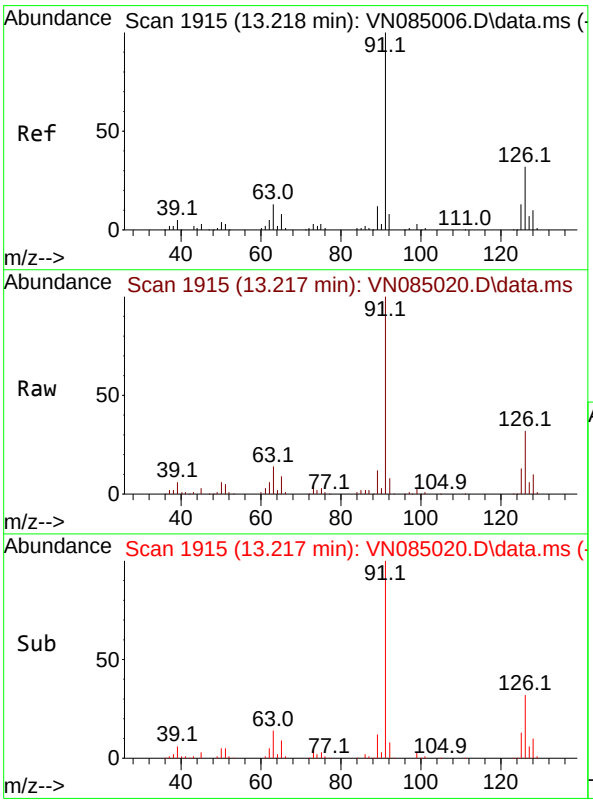
#81
trans-1,4-Dichloro-2-butene
Concen: 43.323 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 45040

Ion	Ratio	Lower	Upper
75	100		
53	96.4	78.2	117.4
89	46.3	37.9	56.9

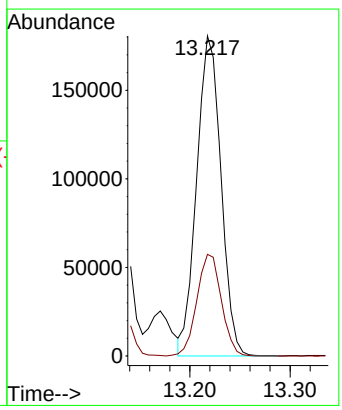


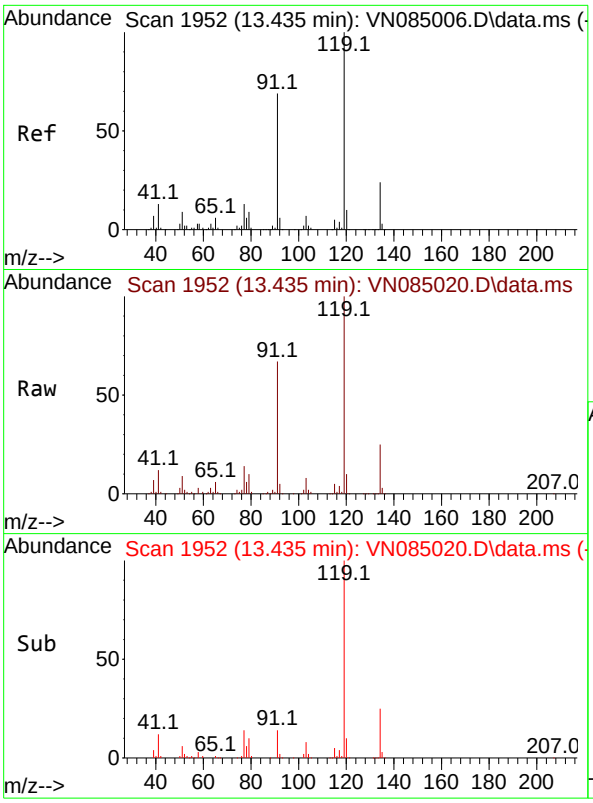


#82
4-Chlorotoluene
Concen: 42.723 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 91 Resp: 304819

Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.1	48.3



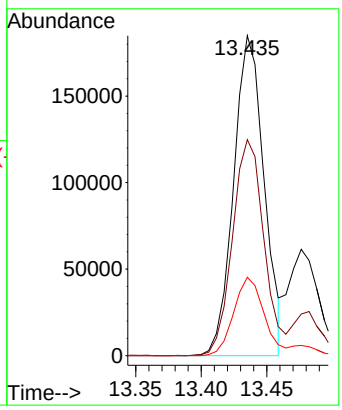


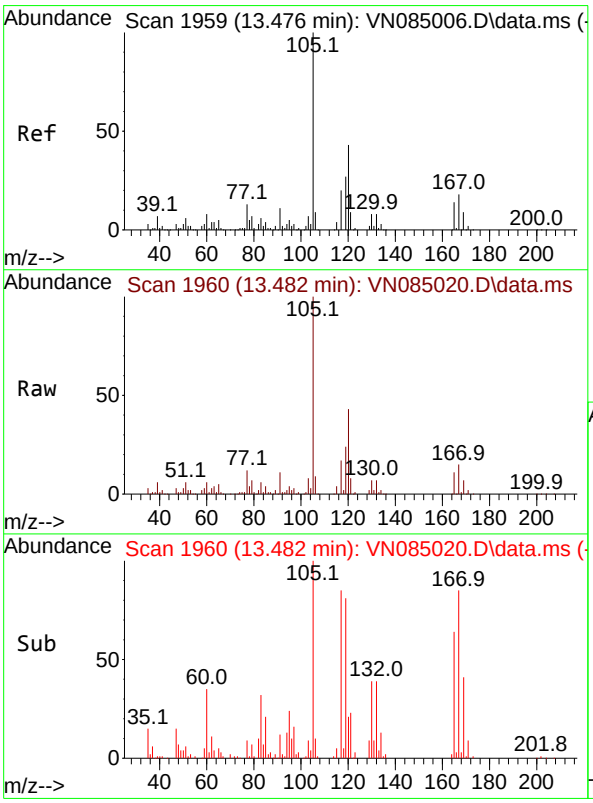
#83
tert-Butylbenzene
Concen: 46.490 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 298778

Ion	Ratio	Lower	Upper
119	100		
91	70.1	35.1	105.5
134	24.4	12.1	36.3

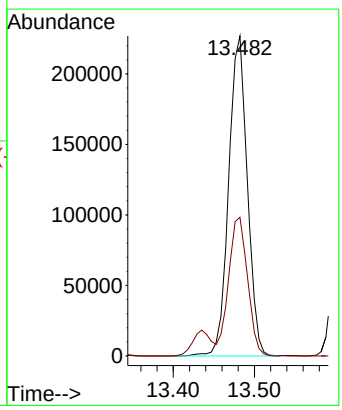


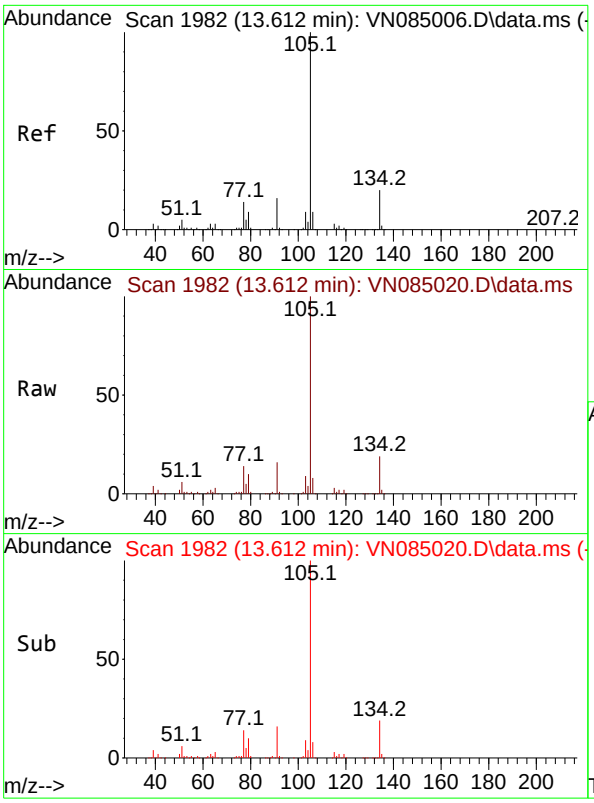


#84
1,2,4-Trimethylbenzene
Concen: 46.990 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:105 Resp: 361290

Ion	Ratio	Lower	Upper
105	100		
120	44.1	21.8	65.4



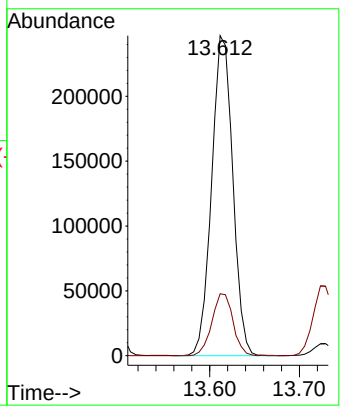


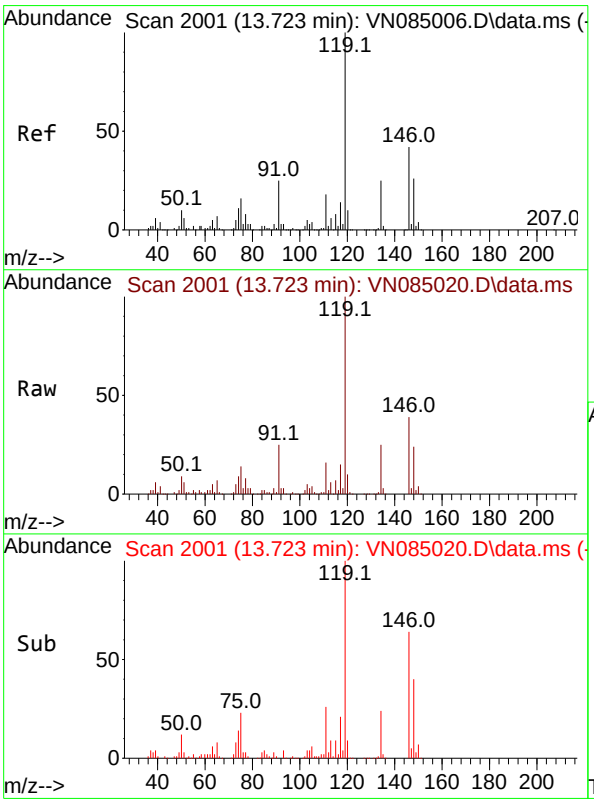
#85
sec-Butylbenzene
Concen: 46.498 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 403676

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.3

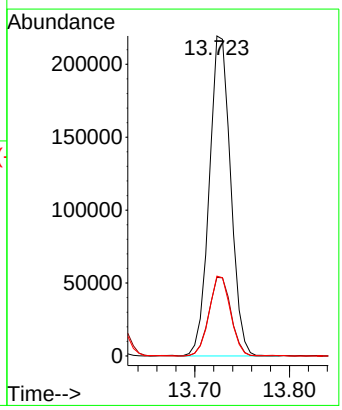


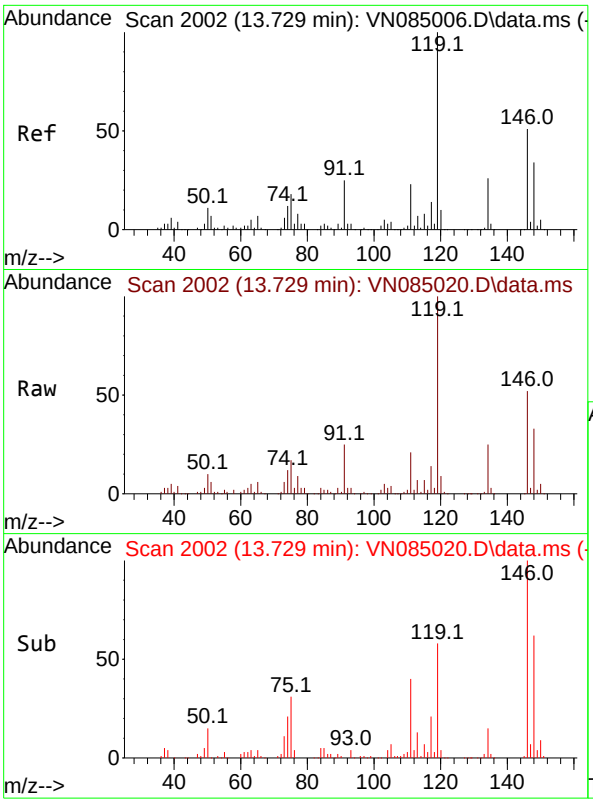


#86
p-Isopropyltoluene
Concen: 47.952 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:119 Resp: 343655

Ion	Ratio	Lower	Upper
119	100		
134	25.3	13.0	39.0
91	24.9	12.8	38.4



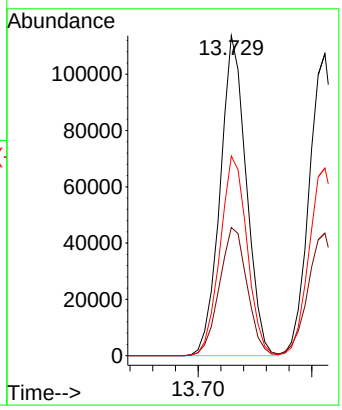


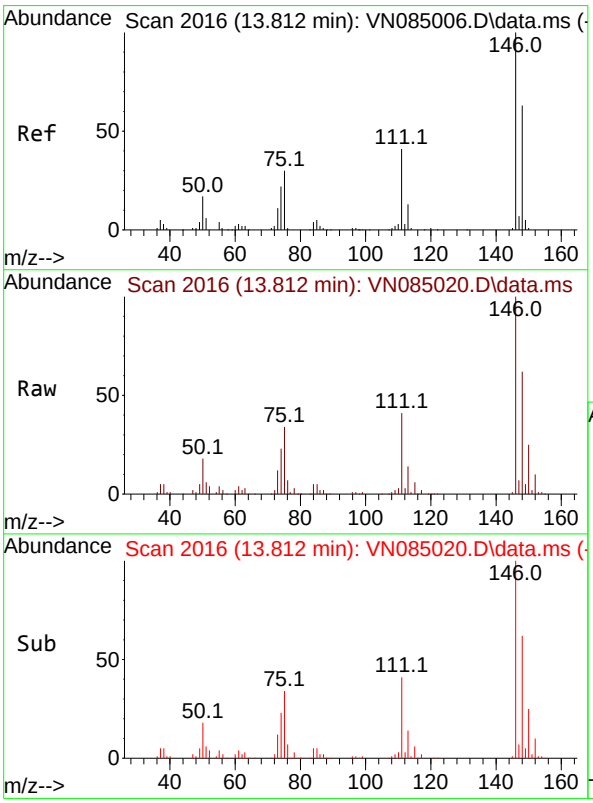
#87
1,3-Dichlorobenzene
Concen: 38.478 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 181798

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.6	65.0
148	64.5	32.2	96.6

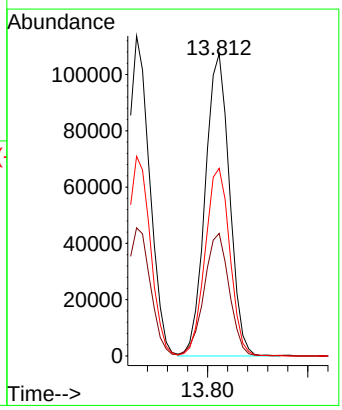


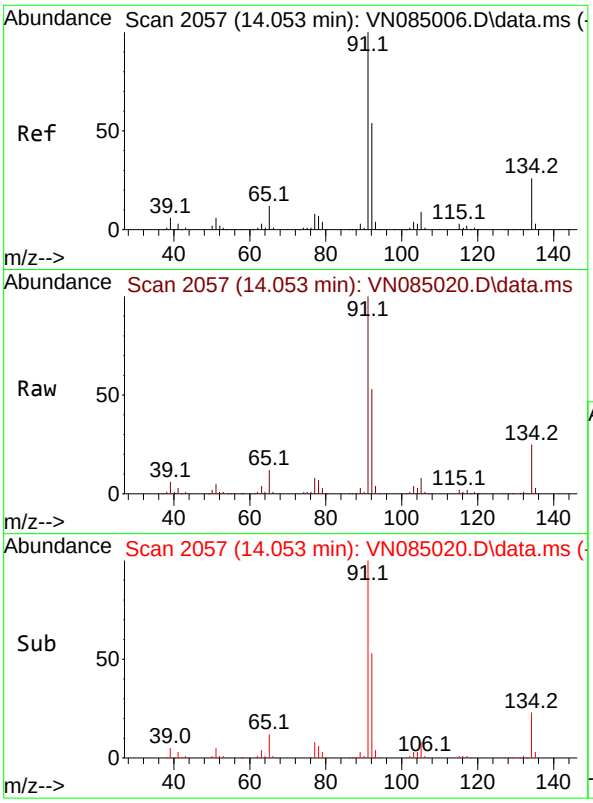


#88
1,4-Dichlorobenzene
Concen: 37.400 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:146 Resp: 180327

Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.9	62.8
148	63.4	31.3	93.9



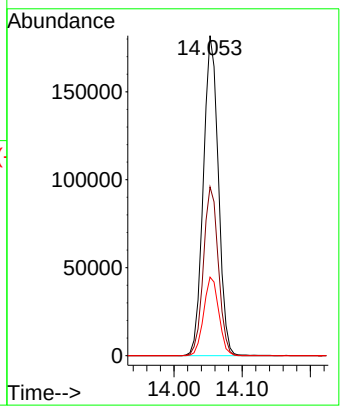


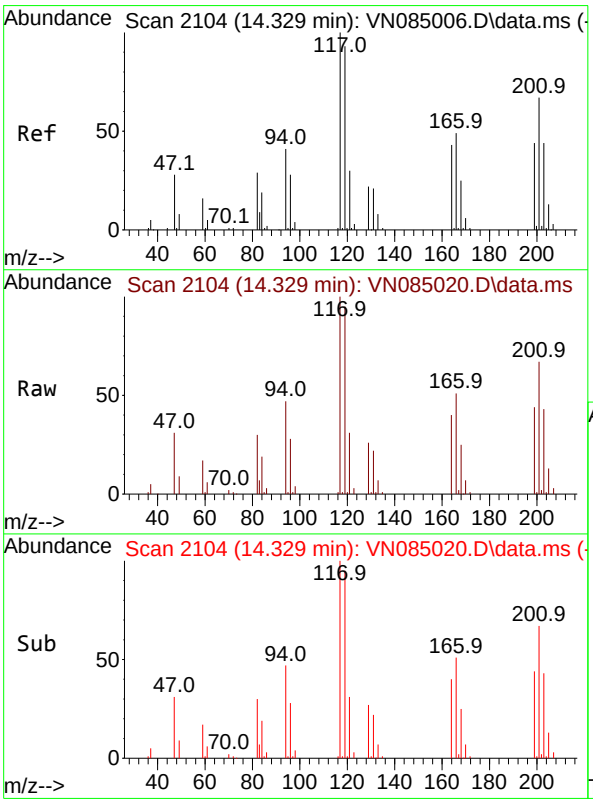
#89
n-Butylbenzene
Concen: 41.878 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 279110

Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.8	80.3
134	24.6	12.8	38.4

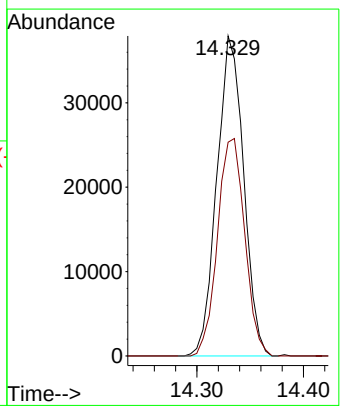


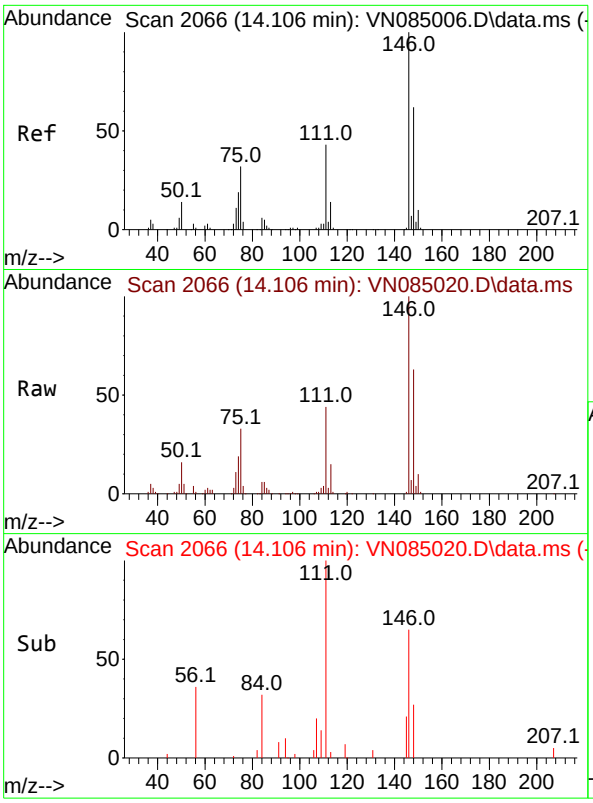


#90
Hexachloroethane
Concen: 42.304 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:117 Resp: 66086

Ion	Ratio	Lower	Upper
117	100		
201	69.3	35.2	105.6



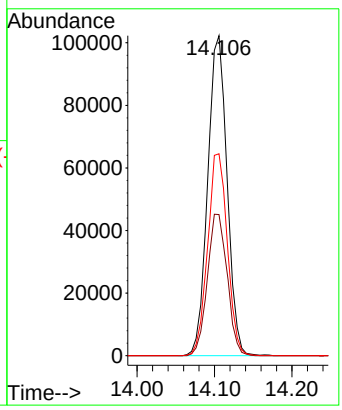


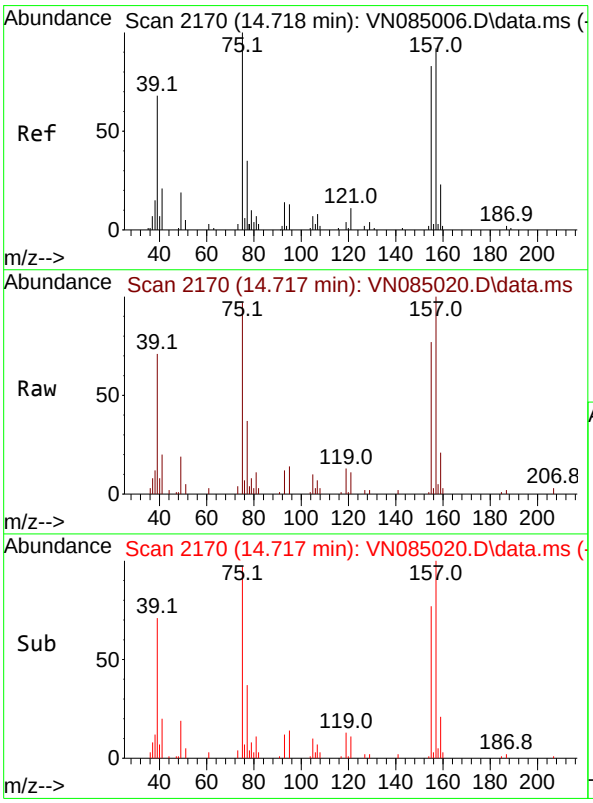
#91
1,2-Dichlorobenzene
Concen: 39.174 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 177360

Ion	Ratio	Lower	Upper
146	100		
111	45.2	21.9	65.8
148	64.4	31.1	93.2

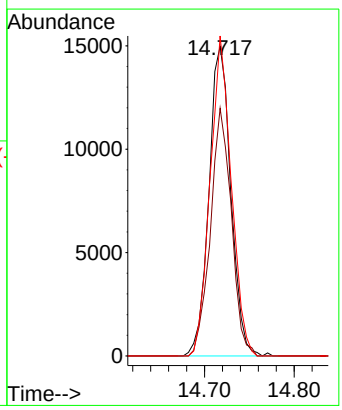


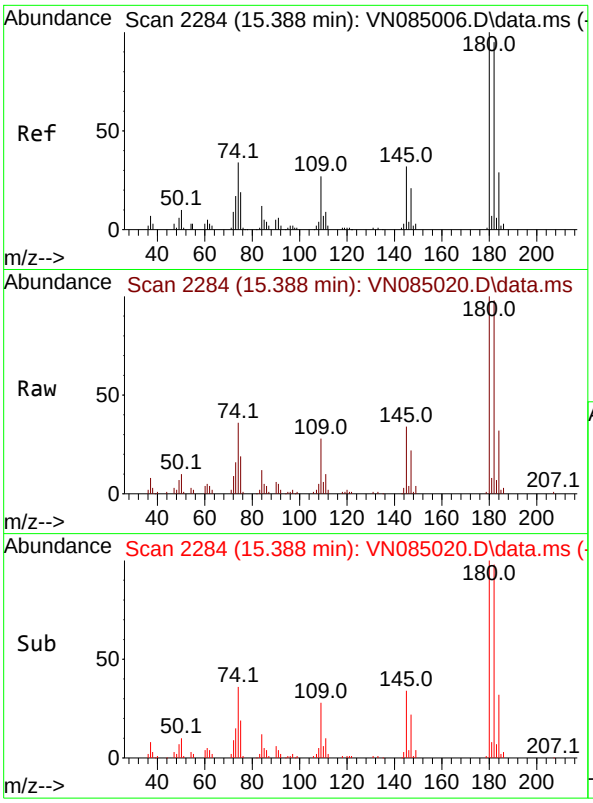


#92
1,2-Dibromo-3-Chloropropane
Concen: 43.206 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion: 75 Resp: 25395

Ion	Ratio	Lower	Upper
75	100		
155	76.5	38.9	116.7
157	99.7	48.3	144.9



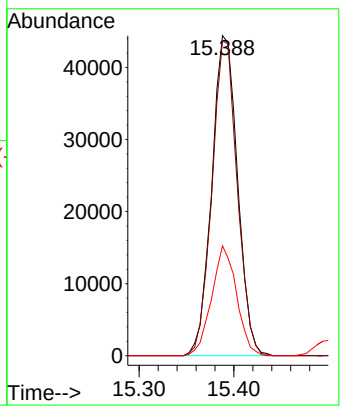


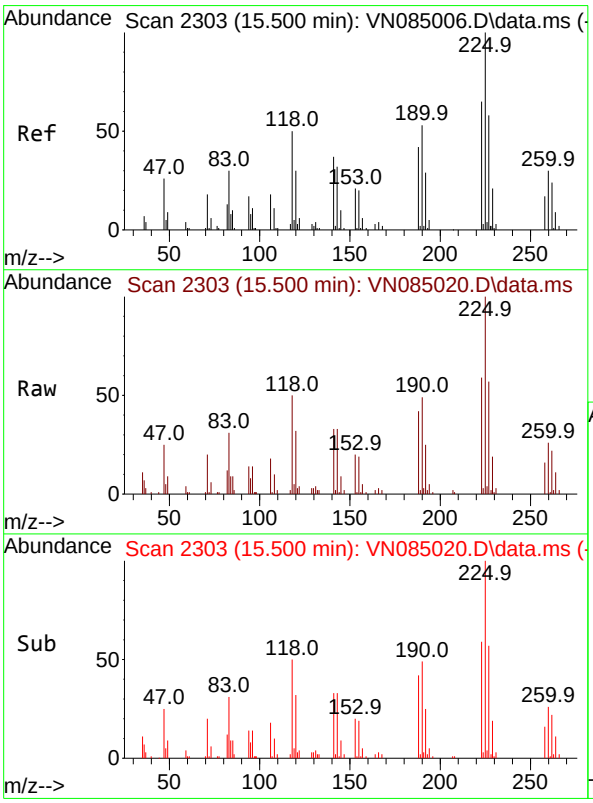
#93
1,2,4-Trichlorobenzene
Concen: 34.085 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 83838

Ion	Ratio	Lower	Upper
180	100		
182	96.4	46.9	140.8
145	33.2	16.3	48.8

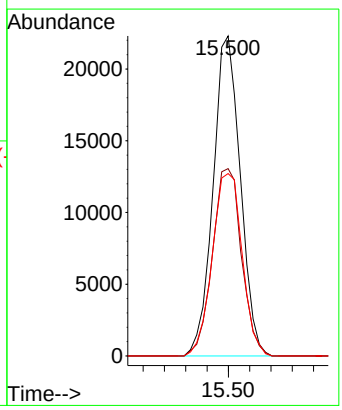


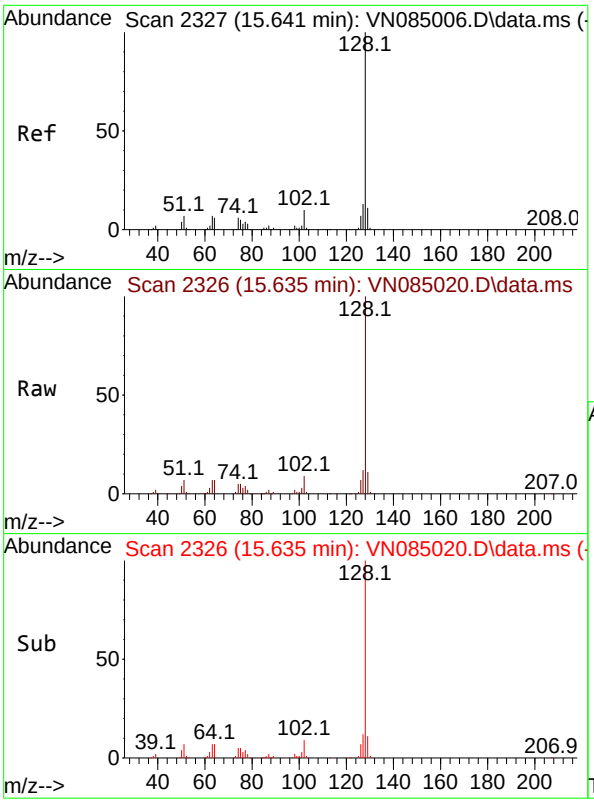


#94
Hexachlorobutadiene
Concen: 34.818 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:225 Resp: 39524

Ion	Ratio	Lower	Upper
225	100		
223	62.6	30.9	92.8
227	62.6	31.5	94.5



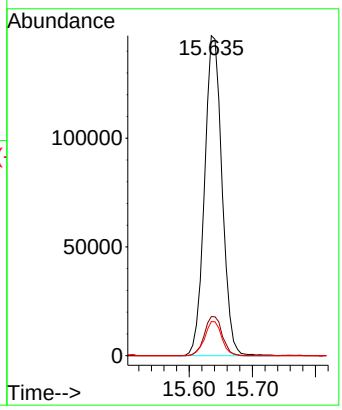


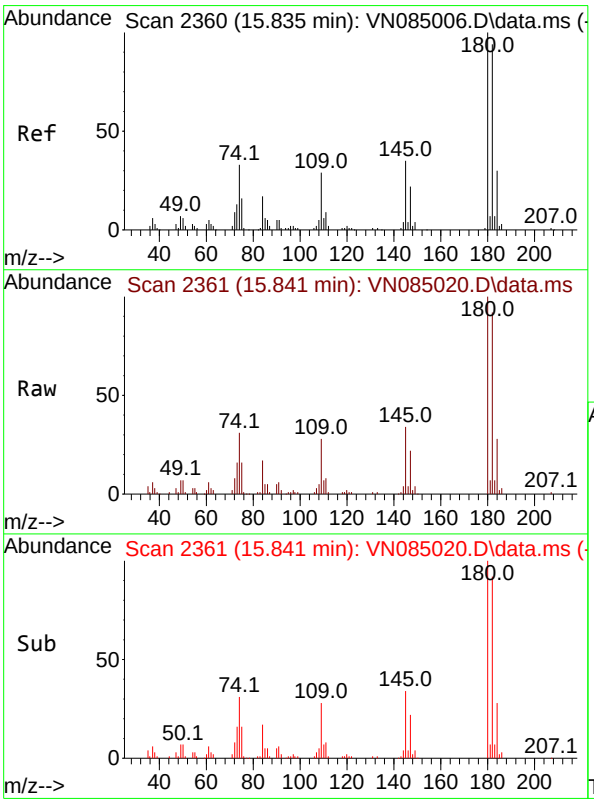
#95
Naphthalene
Concen: 40.401 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 283029

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.6	16.0
129	10.4	8.6	12.8

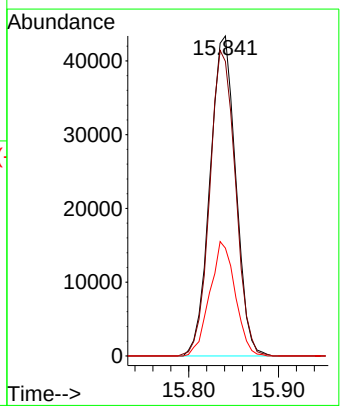




#96
1,2,3-Trichlorobenzene
Concen: 36.849 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085020.D
Acq: 22 Nov 2024 20:52

Tgt Ion:180 Resp: 86482

Ion	Ratio	Lower	Upper
180	100		
182	95.2	46.4	139.2
145	35.2	17.3	52.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085035.D
Acq On : 26 Nov 2024 10:47
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Nov 27 05:08:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	165251	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	275028	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	241627	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	122188	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	119612	50.815	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.620%			
35) Dibromofluoromethane	8.165	113	93863	50.608	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.220%			
50) Toluene-d8	10.565	98	334346	50.302	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.600%			
62) 4-Bromofluorobenzene	12.847	95	126470	50.879	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	86988	46.553	ug/l	99
3) Chloromethane	2.359	50	88393	40.786	ug/l	98
4) Vinyl Chloride	2.512	62	86567	44.447	ug/l	96
5) Bromomethane	2.901	94	49583	45.421	ug/l	90
6) Chloroethane	3.071	64	57871	44.083	ug/l	97
7) Trichlorofluoromethane	3.465	101	154996	46.782	ug/l	93
8) Diethyl Ether	3.953	74	56604	50.196	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.353	101	91007	48.431	ug/l	98
10) Methyl Iodide	4.577	142	119092	47.879	ug/l	98
11) Tert butyl alcohol	5.530	59	80698	256.548	ug/l	98
12) 1,1-Dichloroethene	4.324	96	78575	44.798	ug/l	91
13) Acrolein	4.171	56	59109	281.617	ug/l	97
14) Allyl chloride	5.006	41	139494	47.177	ug/l	99
15) Acrylonitrile	5.712	53	228268	256.323	ug/l	99
16) Acetone	4.424	43	205454	299.696	ug/l	99
17) Carbon Disulfide	4.700	76	212448	41.036	ug/l #	95
18) Methyl Acetate	5.018	43	113983	52.067	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	289081	50.444	ug/l	96
20) Methylene Chloride	5.271	84	94579	45.211	ug/l	97
21) trans-1,2-Dichloroethene	5.777	96	85306	46.217	ug/l	89
22) Diisopropyl ether	6.665	45	287174	48.256	ug/l	98
23) Vinyl Acetate	6.594	43	1045347	254.620	ug/l	100
24) 1,1-Dichloroethane	6.559	63	170129	47.772	ug/l	99
25) 2-Butanone	7.477	43	301302	268.827	ug/l	97
26) 2,2-Dichloropropane	7.483	77	159487	47.960	ug/l	99
27) cis-1,2-Dichloroethene	7.477	96	105445	47.388	ug/l	99
28) Bromochloromethane	7.806	49	70930	52.763	ug/l	96
29) Tetrahydrofuran	7.835	42	188589	270.576	ug/l	99
30) Chloroform	7.965	83	178414	47.097	ug/l	100
31) Cyclohexane	8.247	56	139498	44.490	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	163779	47.843	ug/l	97
36) 1,1-Dichloropropene	8.365	75	117675	46.842	ug/l	99
37) Ethyl Acetate	7.559	43	118425	51.854	ug/l	99
38) Carbon Tetrachloride	8.353	117	144467	49.820	ug/l	96
39) Methylcyclohexane	9.594	83	126903	48.612	ug/l	97
40) Benzene	8.600	78	376473	47.382	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085035.D
Acq On : 26 Nov 2024 10:47
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Nov 27 05:08:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	65929	52.138	ug/l		100
42) 1,2-Dichloroethane	8.665	62	130709	48.086	ug/l		99
43) Isopropyl Acetate	8.688	43	204526	43.113	ug/l		98
44) Trichloroethene	9.347	130	85290	46.190	ug/l		100
45) 1,2-Dichloropropane	9.618	63	91973	46.997	ug/l		99
46) Dibromomethane	9.706	93	64931	47.749	ug/l		99
47) Bromodichloromethane	9.882	83	141097	48.956	ug/l		100
48) Methyl methacrylate	9.677	41	93375	52.894	ug/l		97
49) 1,4-Dioxane	9.694	88	34112	1114.269	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.441	43	600962	277.350	ug/l		100
52) Toluene	10.629	92	234962	49.952	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	142310	49.251	ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	151354	49.375	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	89600	51.140	ug/l		96
56) Ethyl methacrylate	10.871	69	142968	55.843	ug/l		100
57) 1,3-Dichloropropane	11.159	76	150879	48.930	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	355968	283.452	ug/l		100
59) 2-Hexanone	11.194	43	460526	284.177	ug/l		100
60) Dibromochloromethane	11.359	129	106871	49.911	ug/l		98
61) 1,2-Dibromoethane	11.465	107	89530	49.376	ug/l		98
64) Tetrachloroethene	11.100	164	74782	45.931	ug/l		98
65) Chlorobenzene	11.888	112	250659	45.742	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	92972	48.188	ug/l		100
67) Ethyl Benzene	11.959	91	443095	49.840	ug/l		97
68) m/p-Xylenes	12.070	106	339462	100.293	ug/l		99
69) o-Xylene	12.394	106	162920	50.601	ug/l		98
70) Styrene	12.412	104	280474	52.383	ug/l		98
71) Bromoform	12.576	173	72990	50.965	ug/l	#	99
73) Isopropylbenzene	12.694	105	419656	48.684	ug/l		100
74) N-amyl acetate	12.494	43	178728	50.317	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	133209	45.255	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	170451	76.693	ug/l		47
77) Bromobenzene	12.976	156	103430	44.588	ug/l		98
78) n-propylbenzene	13.035	91	493597	49.646	ug/l		100
79) 2-Chlorotoluene	13.123	91	309810	46.679	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	365114	50.477	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	48522	48.196	ug/l		96
82) 4-Chlorotoluene	13.217	91	314077	45.458	ug/l		99
83) tert-Butylbenzene	13.435	119	301224	48.401	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	368938	49.551	ug/l		100
85) sec-Butylbenzene	13.617	105	422441	50.248	ug/l		100
86) p-Isopropyltoluene	13.729	119	356706	51.398	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	197023	43.061	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	191649	41.046	ug/l		98
89) n-Butylbenzene	14.053	91	300928	46.626	ug/l		99
90) Hexachloroethane	14.329	117	70124	46.355	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	191208	43.611	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26254	46.125	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	98547	41.373	ug/l		98
94) Hexachlorobutadiene	15.500	225	46007	41.852	ug/l		99
95) Naphthalene	15.641	128	314130	46.305	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	97421	42.865	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085035.D
Acq On : 26 Nov 2024 10:47
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Nov 27 05:08:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

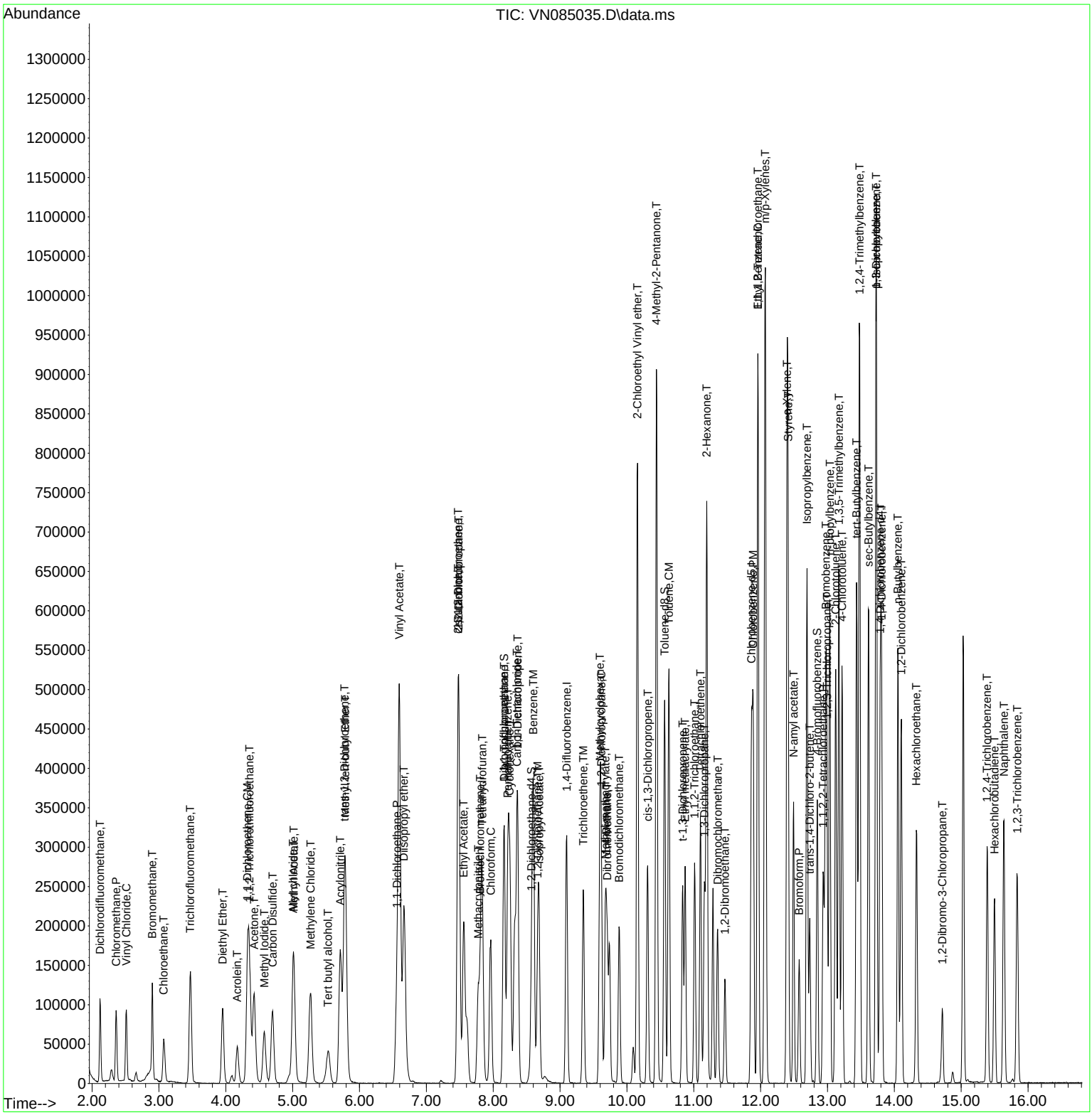
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

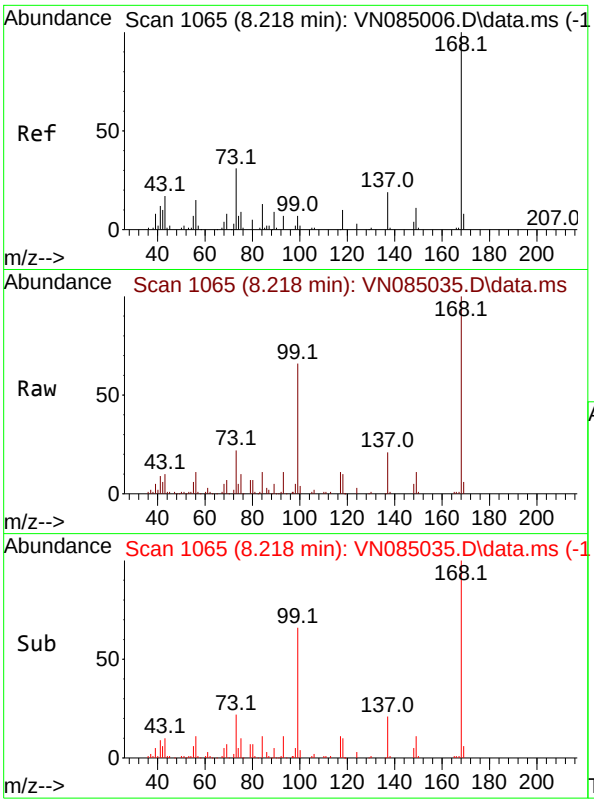
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085035.D
Acq On : 26 Nov 2024 10:47
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Nov 27 05:08:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



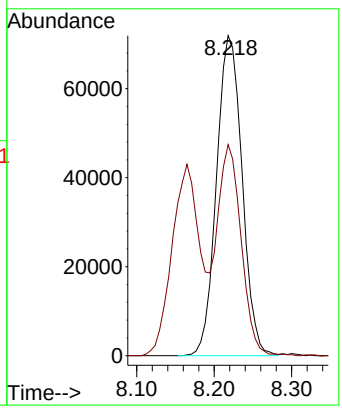


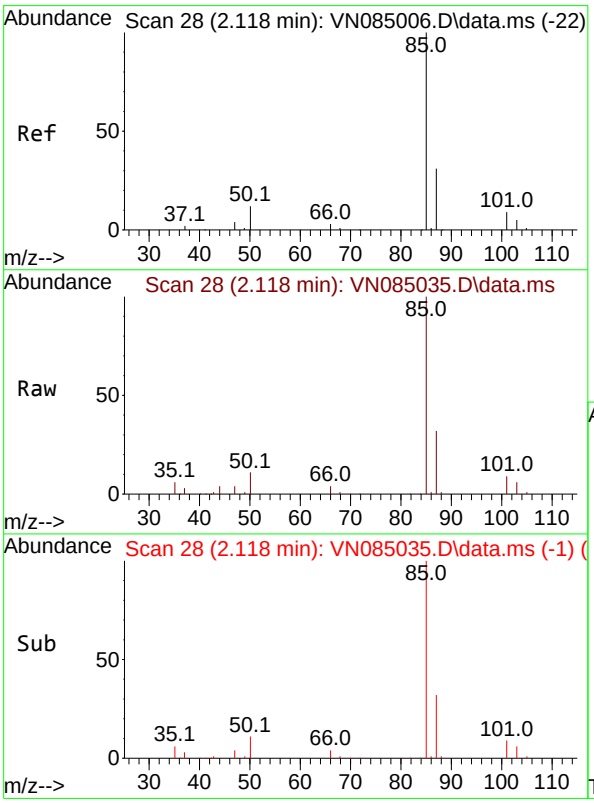
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 165251

Ion	Ratio	Lower	Upper
168	100		
99	65.6	51.2	76.8

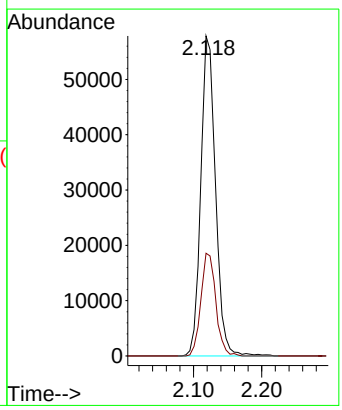


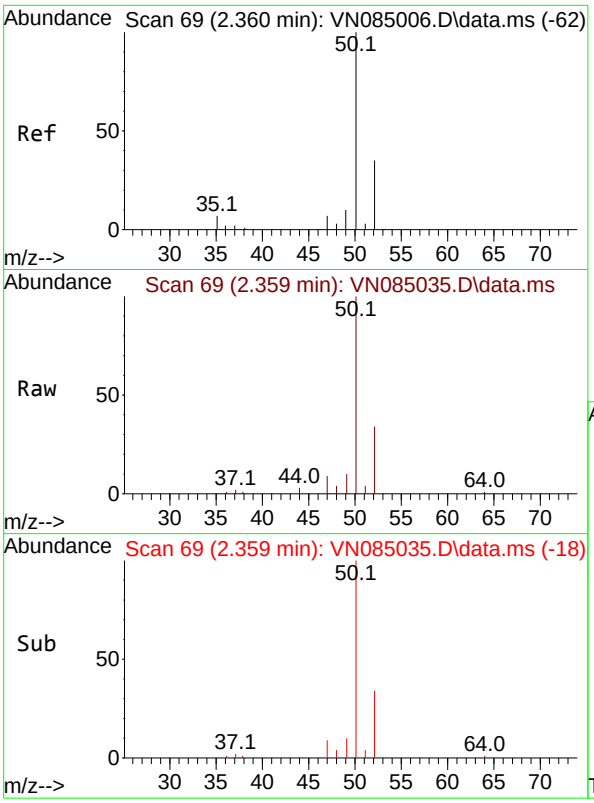


#2
Dichlorodifluoromethane
Concen: 46.553 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 85 Resp: 86988

Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.7	47.1



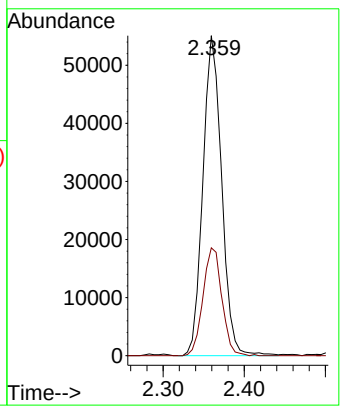


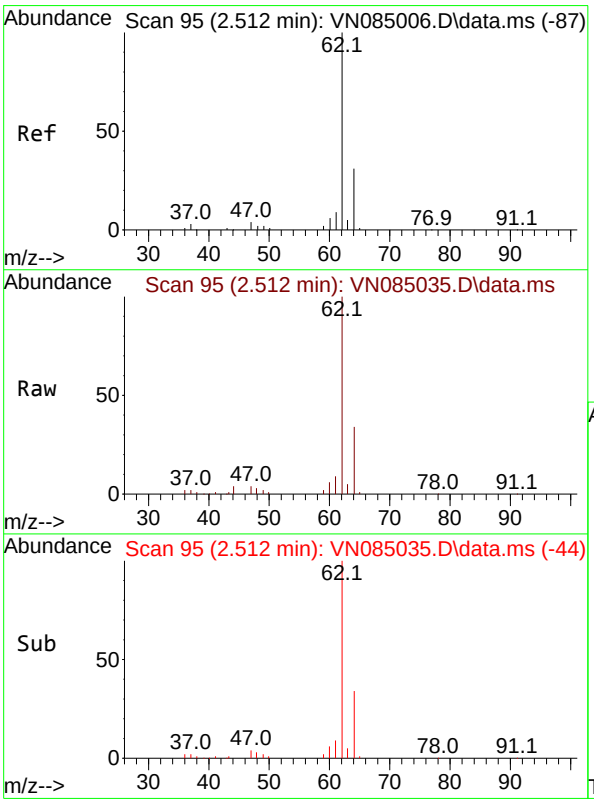
#3
Chloromethane
Concen: 40.786 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 88393

Ion	Ratio	Lower	Upper
50	100		
52	33.7	27.8	41.8

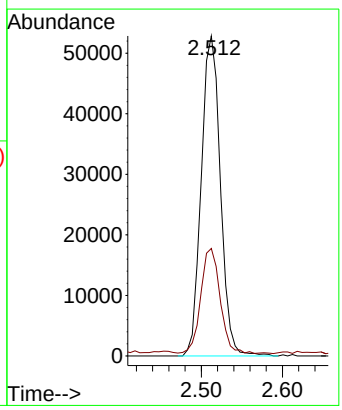


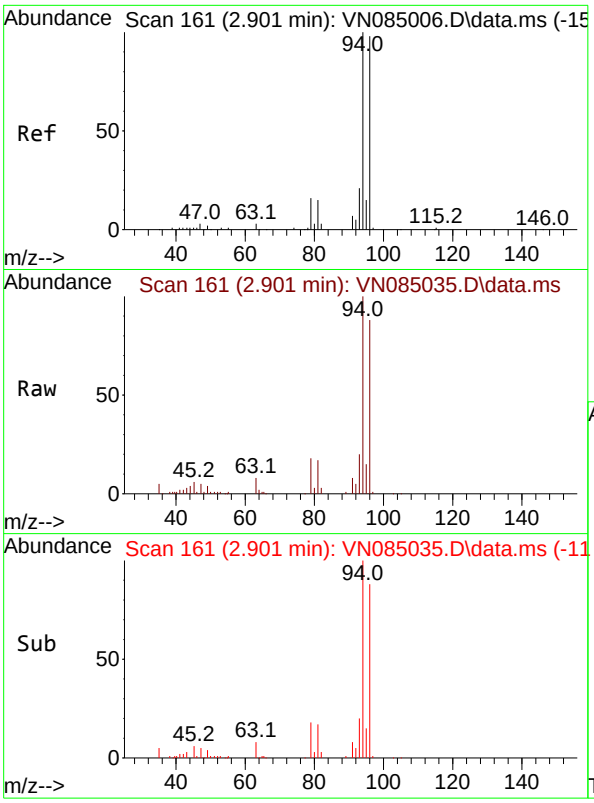


#4
Vinyl Chloride
Concen: 44.447 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 62 Resp: 86567

Ion	Ratio	Lower	Upper
62	100		
64	32.7	24.6	36.8



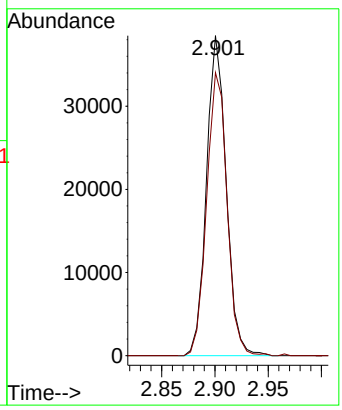


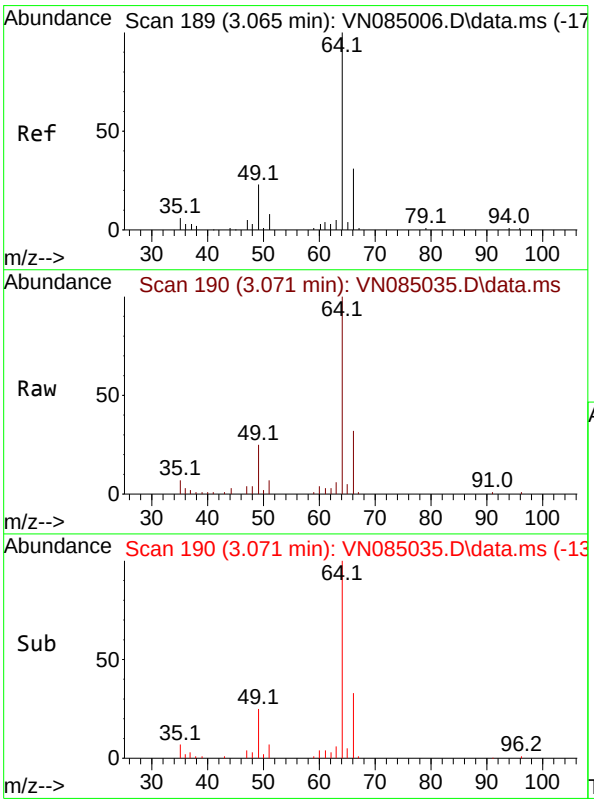
#5
Bromomethane
Concen: 45.421 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 49583

Ion	Ratio	Lower	Upper
94	100		
96	88.4	78.7	118.1

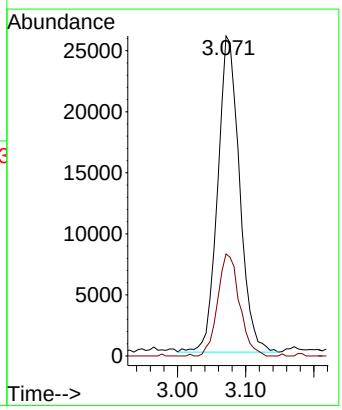


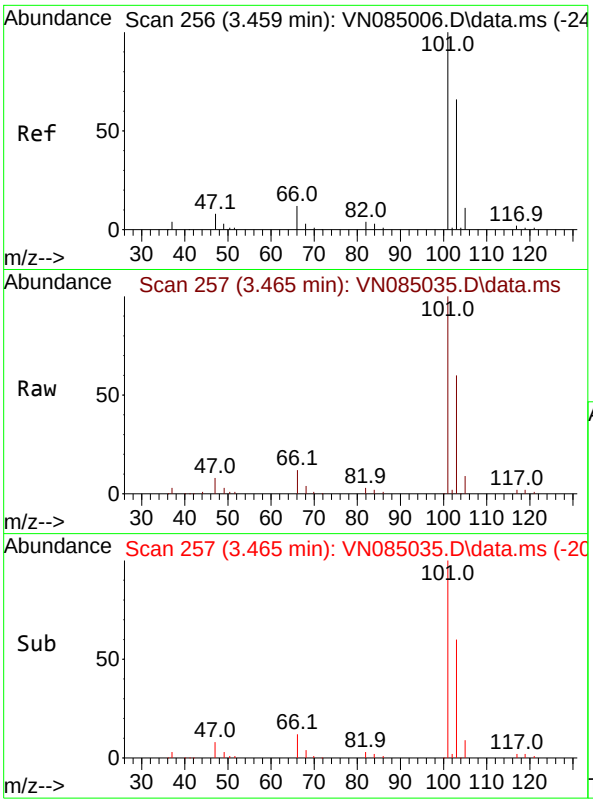


#6
Chloroethane
Concen: 44.083 ug/l
RT: 3.071 min Scan# 190
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 64 Resp: 57871

Ion	Ratio	Lower	Upper
64	100		
66	32.3	24.4	36.6



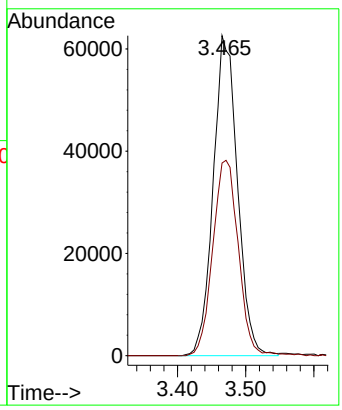


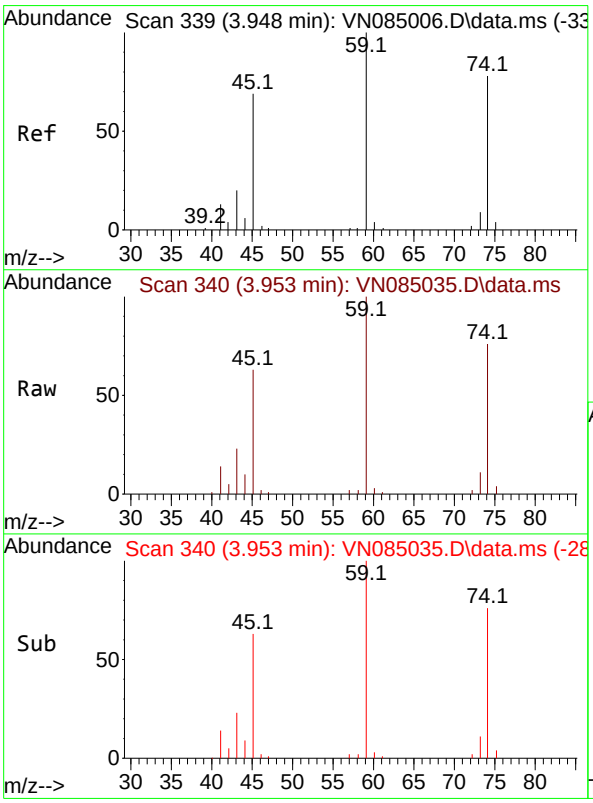
#7
Trichlorofluoromethane
Concen: 46.782 ug/l
RT: 3.465 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 154996

Ion	Ratio	Lower	Upper
101	100		
103	60.2	52.6	78.8

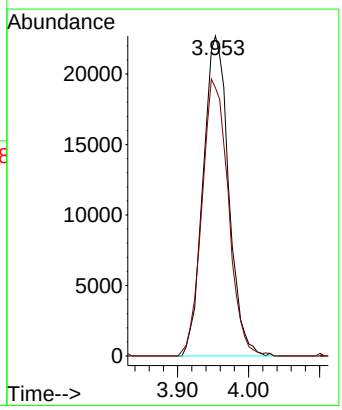


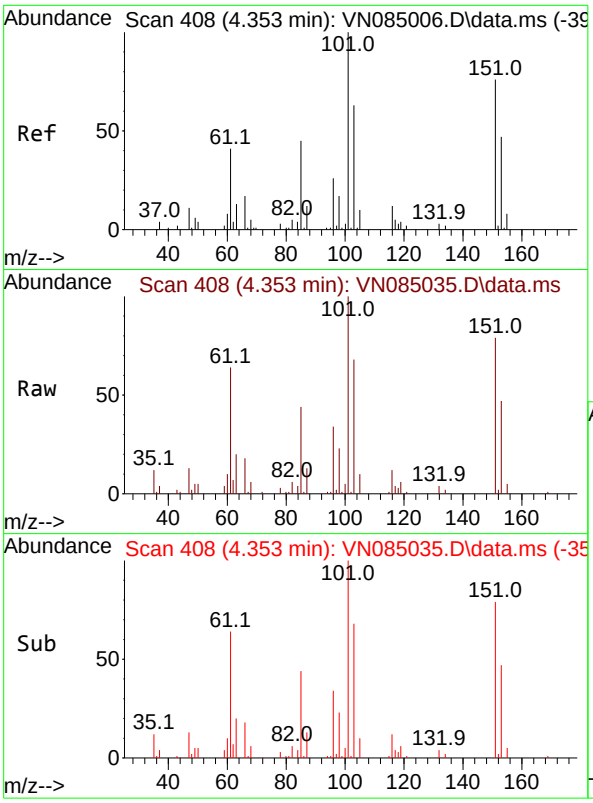


#8
Diethyl Ether
Concen: 50.196 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 74 Resp: 56604

Ion	Ratio	Lower	Upper
74	100		
45	89.4	46.7	140.1



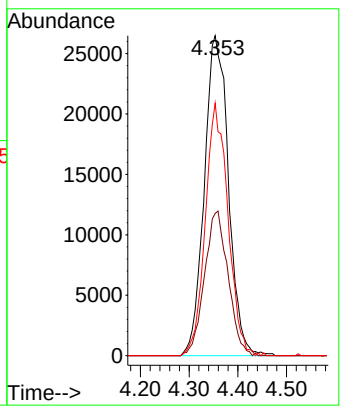


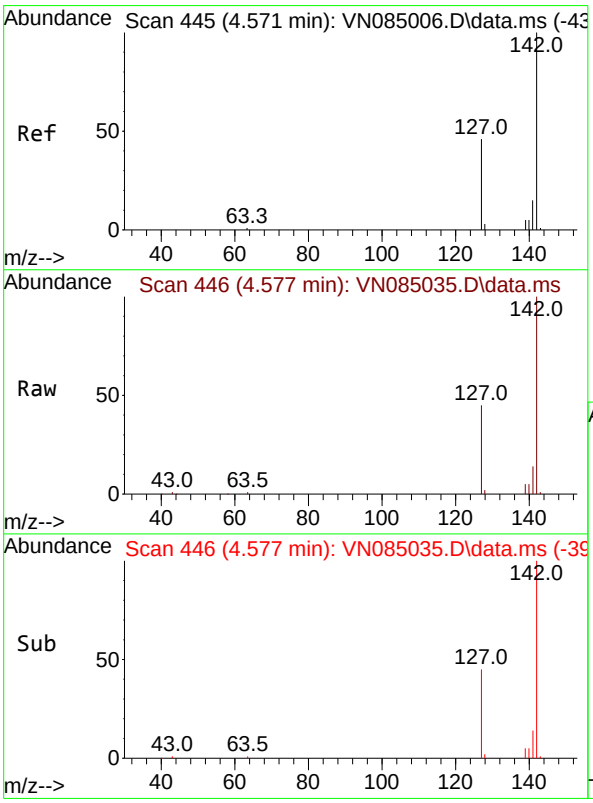
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.431 ug/l
RT: 4.353 min Scan# 4(
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 91007

Ion	Ratio	Lower	Upper
101	100		
85	44.3	36.9	55.3
151	74.3	60.8	91.2

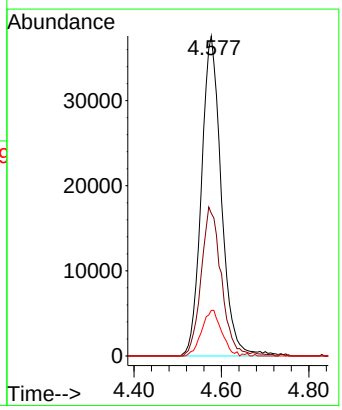


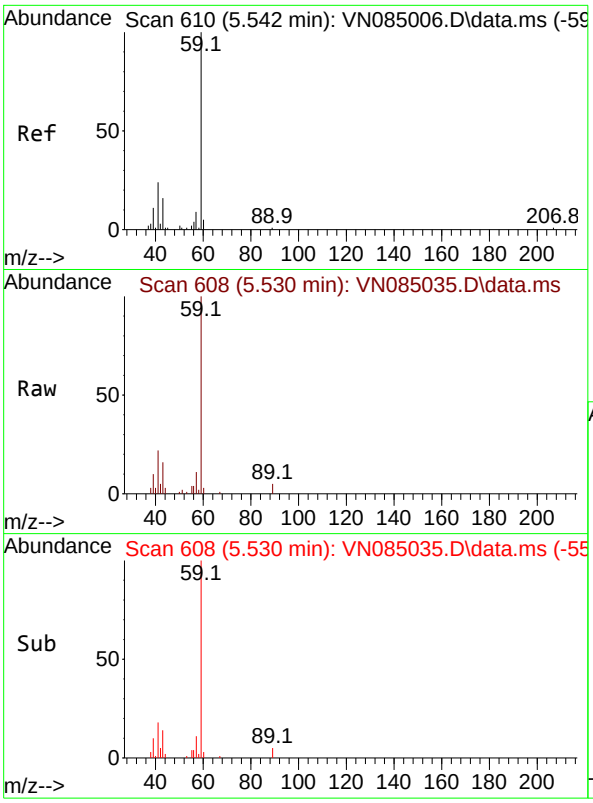


#10
Methyl Iodide
Concen: 47.879 ug/l
RT: 4.577 min Scan# 446
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:142 Resp: 119092

Ion	Ratio	Lower	Upper
142	100		
127	44.6	36.6	54.8
141	14.2	12.2	18.4



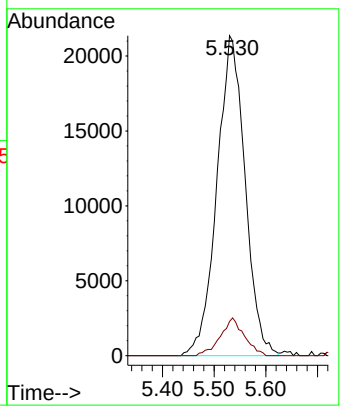


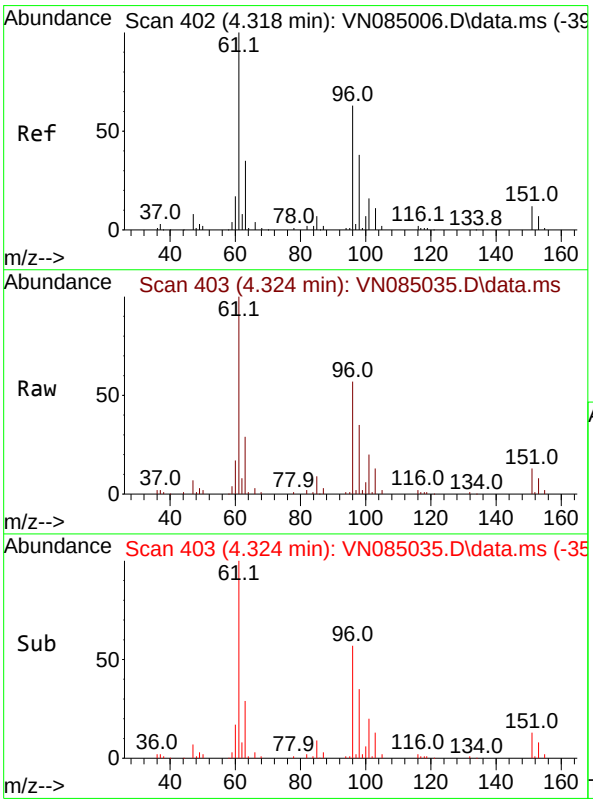
#11
Tert butyl alcohol
Concen: 256.548 ug/l
RT: 5.530 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 80698

Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.4	11.0

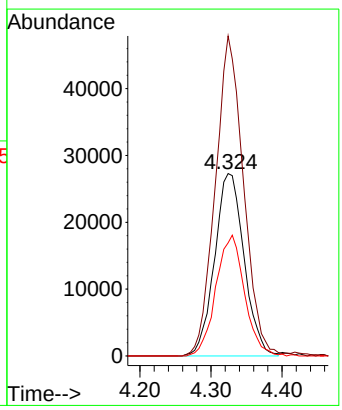


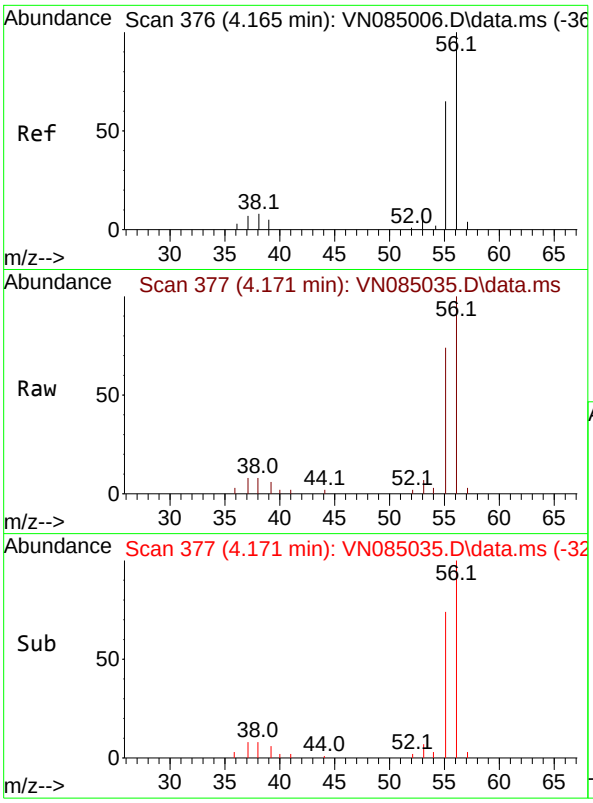


#12
1,1-Dichloroethene
Concen: 44.798 ug/l
RT: 4.324 min Scan# 403
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 96 Resp: 78575

Ion	Ratio	Lower	Upper
96	100		
61	175.4	127.8	191.8
98	62.0	49.2	73.8



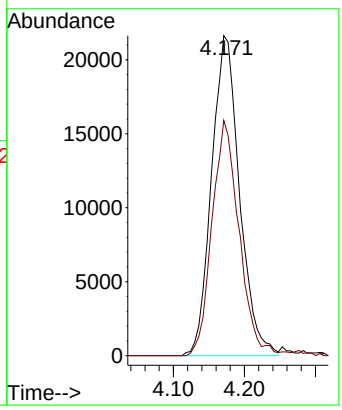


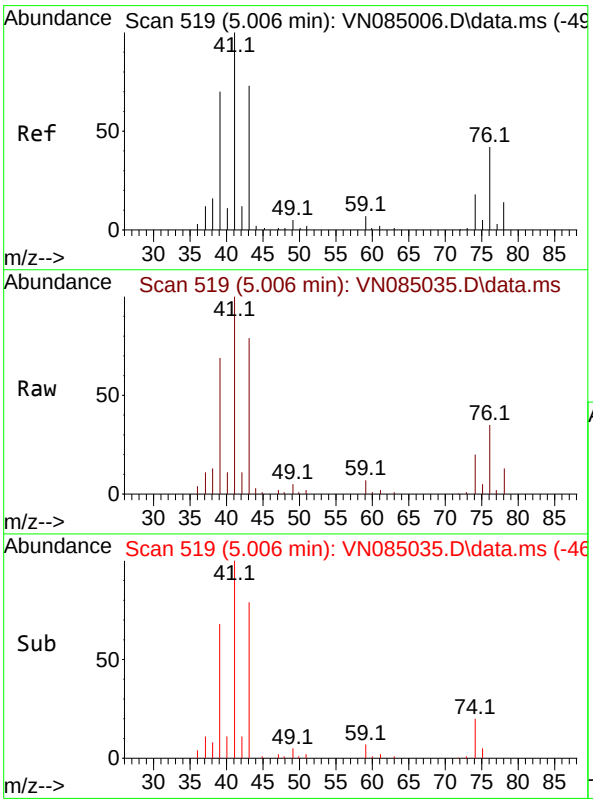
#13
Acrolein
Concen: 281.617 ug/l
RT: 4.171 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 59109

Ion	Ratio	Lower	Upper
56	100		
55	70.8	54.5	81.7

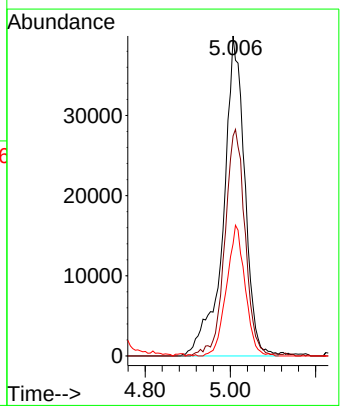


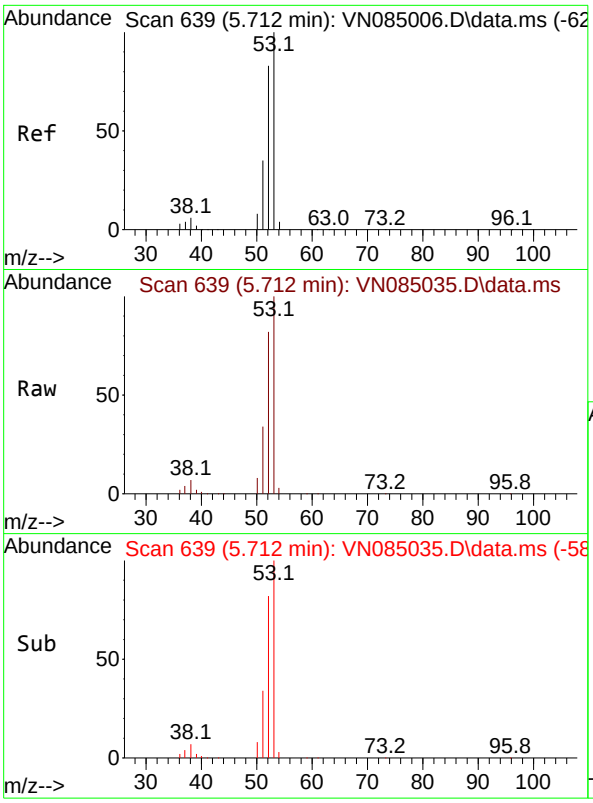


#14
Allyl chloride
Concen: 47.177 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 41 Resp: 139494

Ion	Ratio	Lower	Upper
41	100		
39	66.9	53.8	80.8
76	35.5	29.3	43.9



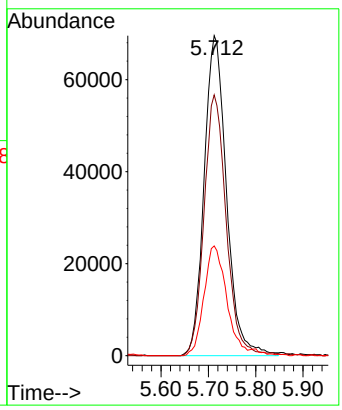


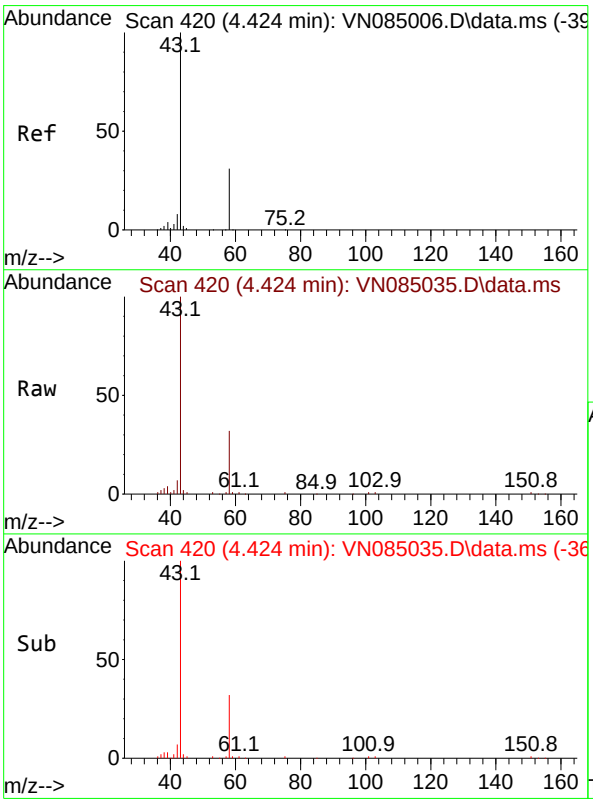
#15
Acrylonitrile
Concen: 256.323 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 228268

Ion	Ratio	Lower	Upper
53	100		
52	80.7	65.5	98.3
51	34.7	28.4	42.6

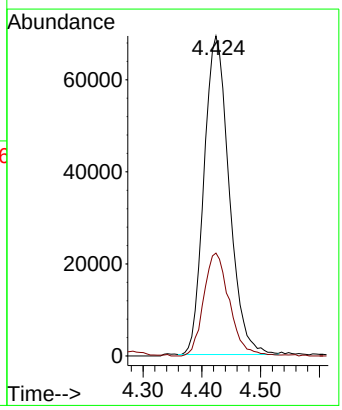


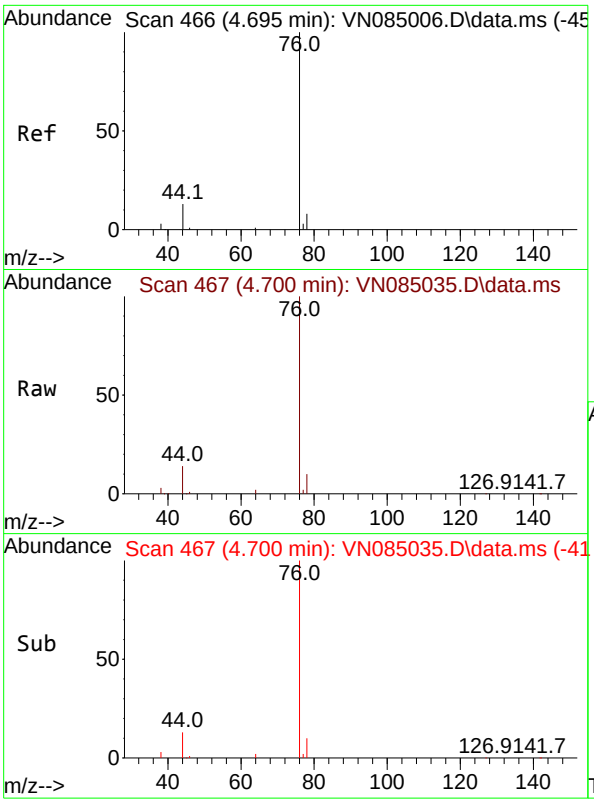


#16
Acetone
Concen: 299.696 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 43 Resp: 205454

Ion	Ratio	Lower	Upper
43	100		
58	32.3	25.4	38.2



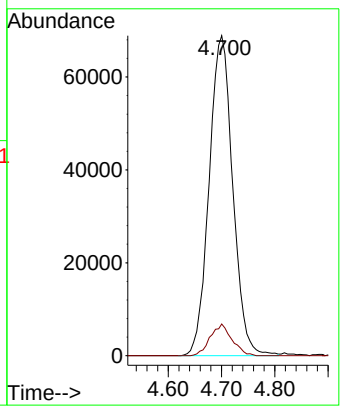


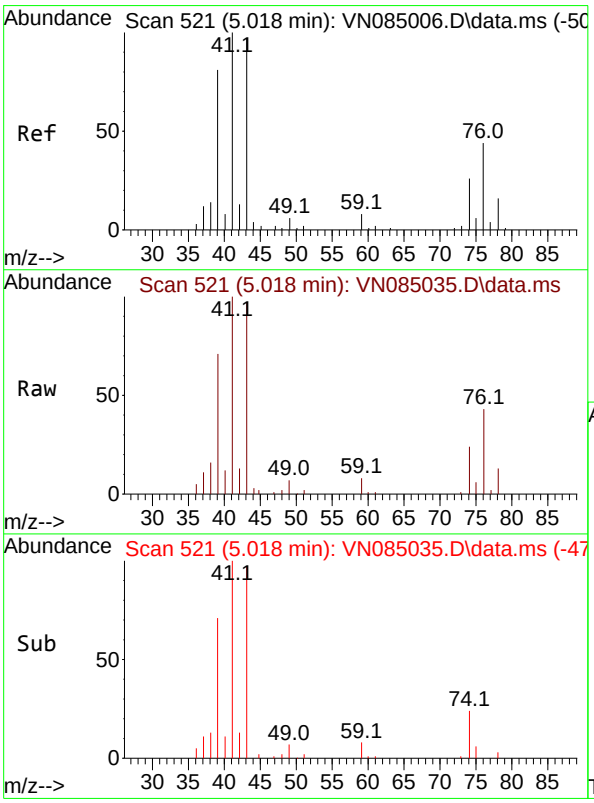
#17
Carbon Disulfide
Concen: 41.036 ug/l
RT: 4.700 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 212448

Ion	Ratio	Lower	Upper
76	100		
78	9.9	6.5	9.7#

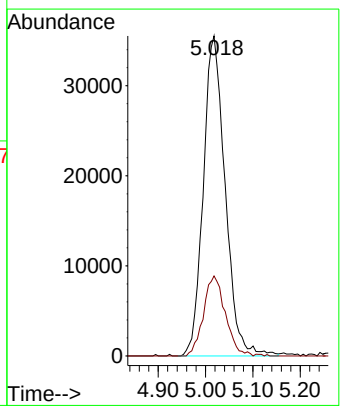


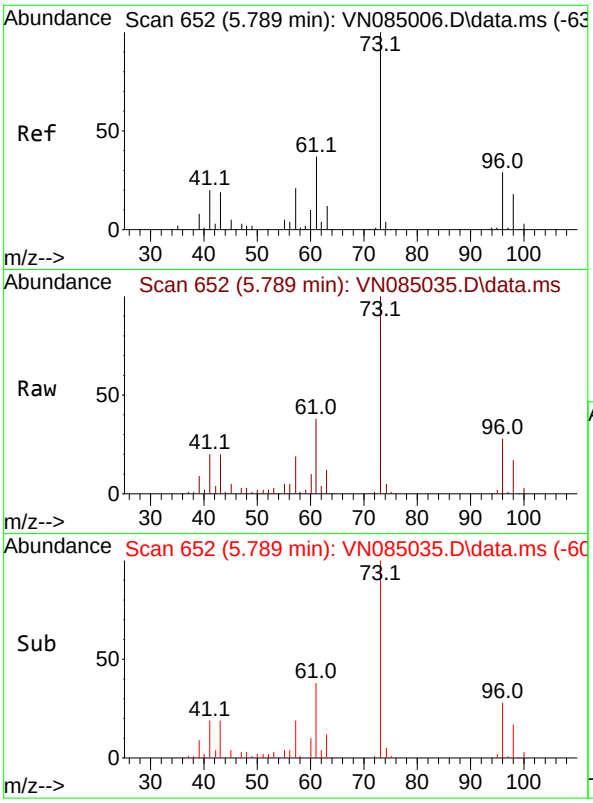


#18
Methyl Acetate
Concen: 52.067 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 43 Resp: 113983

Ion	Ratio	Lower	Upper
43	100		
74	24.9	20.1	30.1



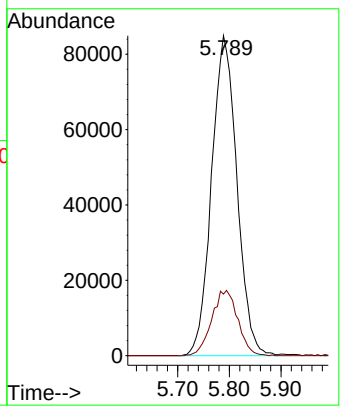


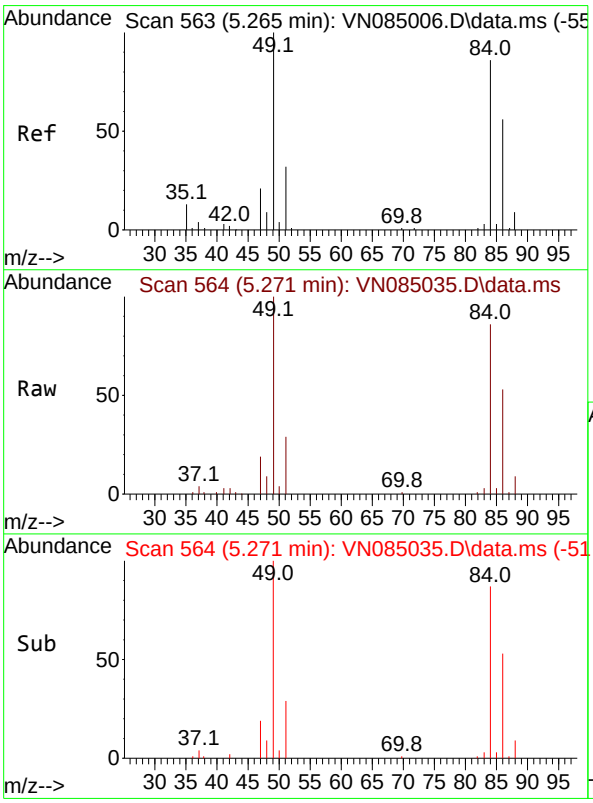
#19
Methyl tert-butyl Ether
Concen: 50.444 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 289081

Ion	Ratio	Lower	Upper
73	100		
57	19.3	17.0	25.4

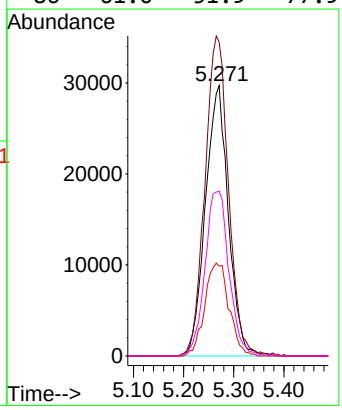


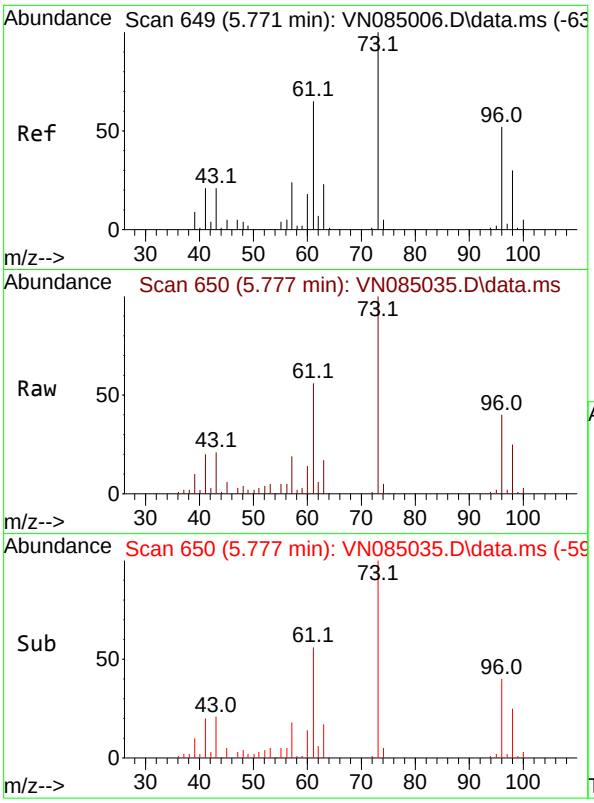


#20
Methylene Chloride
Concen: 45.211 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 84 Resp: 94579

Ion	Ratio	Lower	Upper
84	100		
49	116.1	92.7	139.1
51	33.3	29.4	44.2
86	61.0	51.9	77.9



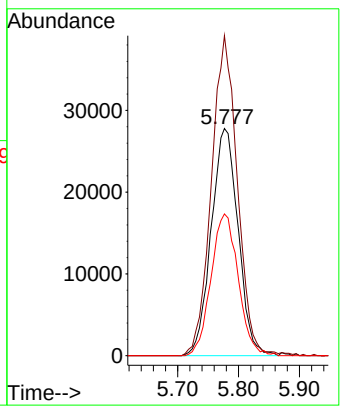


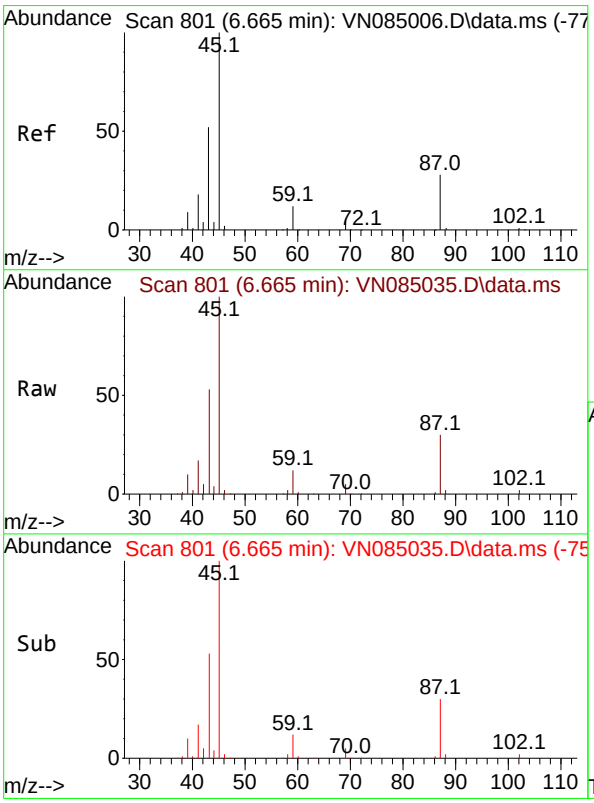
#21
trans-1,2-Dichloroethene
Concen: 46.217 ug/l
RT: 5.777 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 85306

Ion	Ratio	Lower	Upper
96	100		
61	140.8	100.7	151.1
98	62.4	45.8	68.6

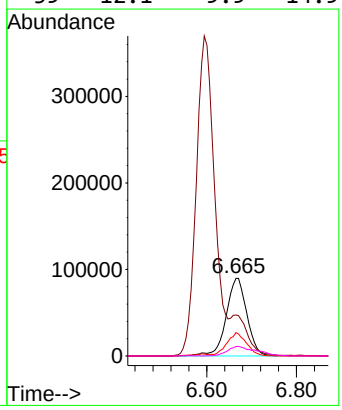


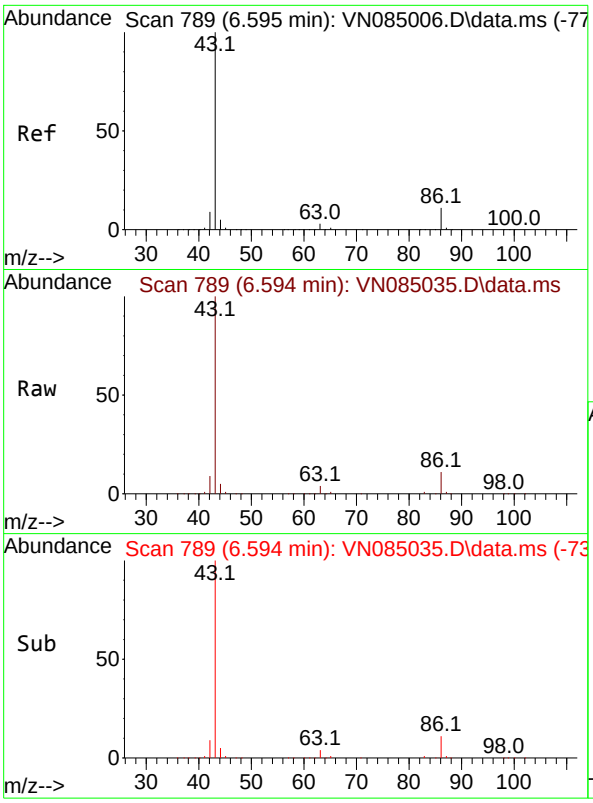


#22
Diisopropyl ether
Concen: 48.256 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 45 Resp: 287174

Ion	Ratio	Lower	Upper
45	100		
43	51.8	42.7	64.1
87	30.0	22.6	34.0
59	12.1	9.9	14.9



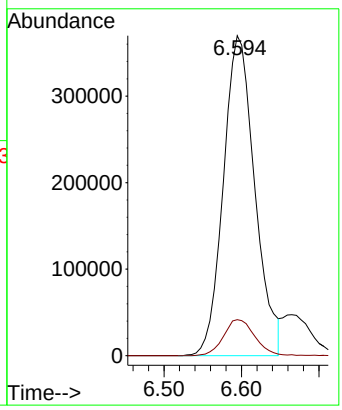


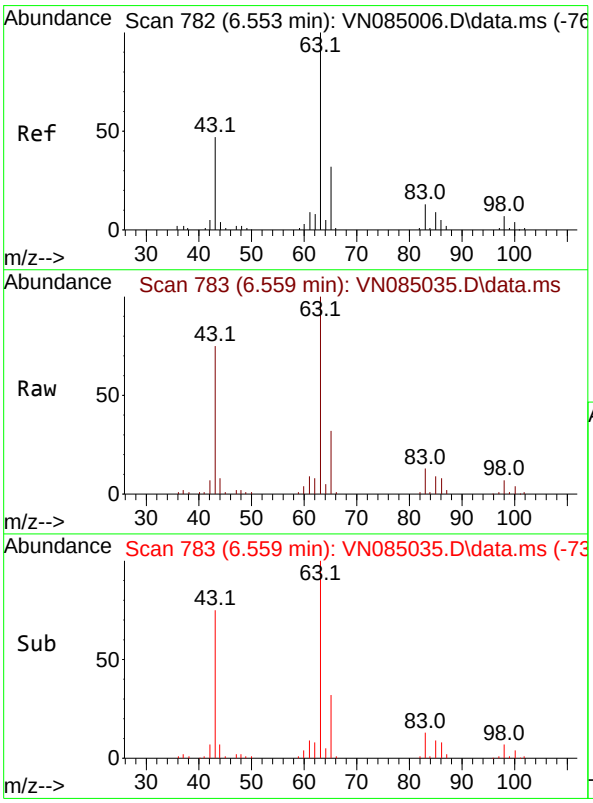
#23
Vinyl Acetate
Concen: 254.620 ug/l
RT: 6.594 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1045347

Ion	Ratio	Lower	Upper
43	100		
86	11.3	8.9	13.3

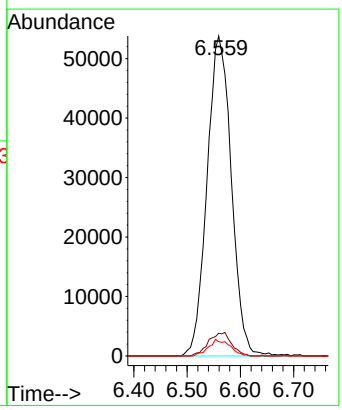


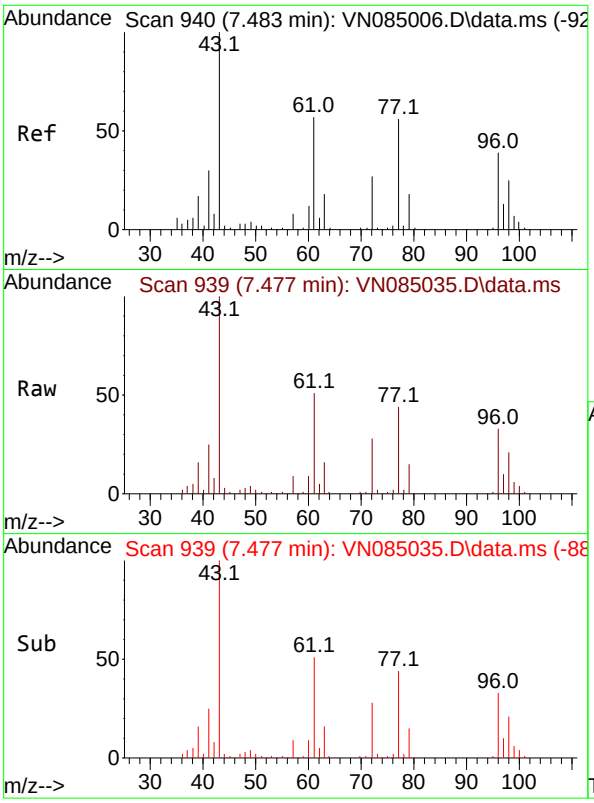


#24
1,1-Dichloroethane
Concen: 47.772 ug/l
RT: 6.559 min Scan# 783
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 63 Resp: 170129

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.3	9.8
100	4.4	2.2	6.6



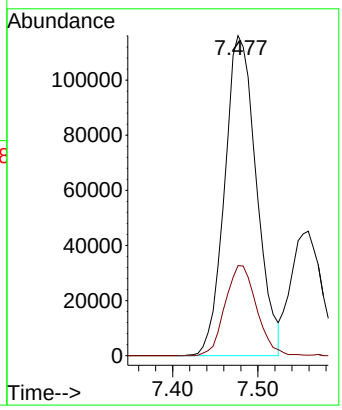


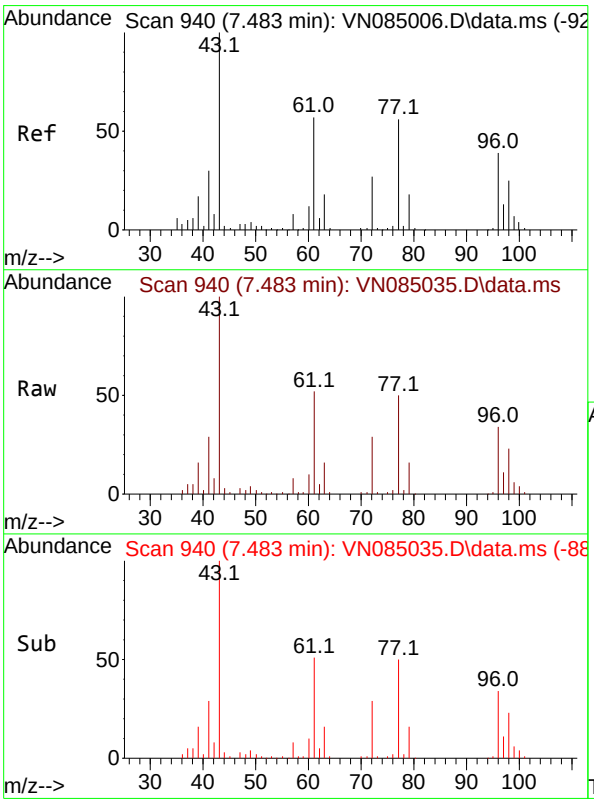
#25
2-Butanone
Concen: 268.827 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 301302

Ion	Ratio	Lower	Upper
43	100		
72	28.2	21.4	32.0

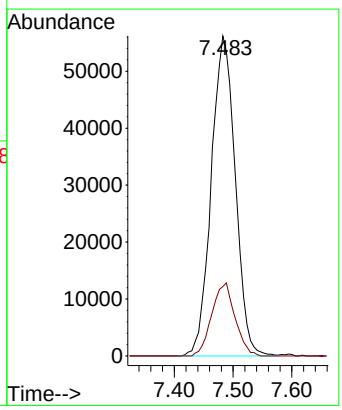


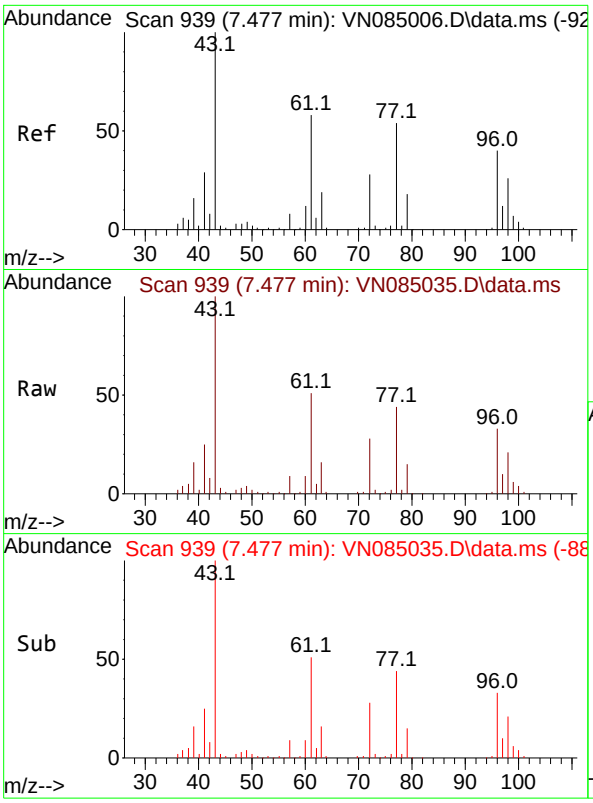


#26
2,2-Dichloropropane
Concen: 47.960 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 77 Resp: 159487

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.9	32.7



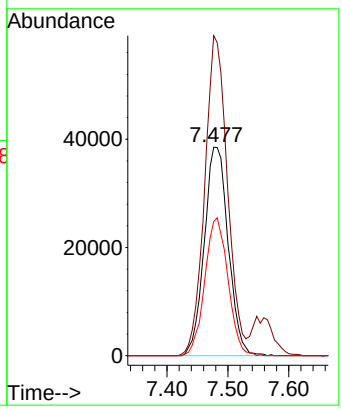


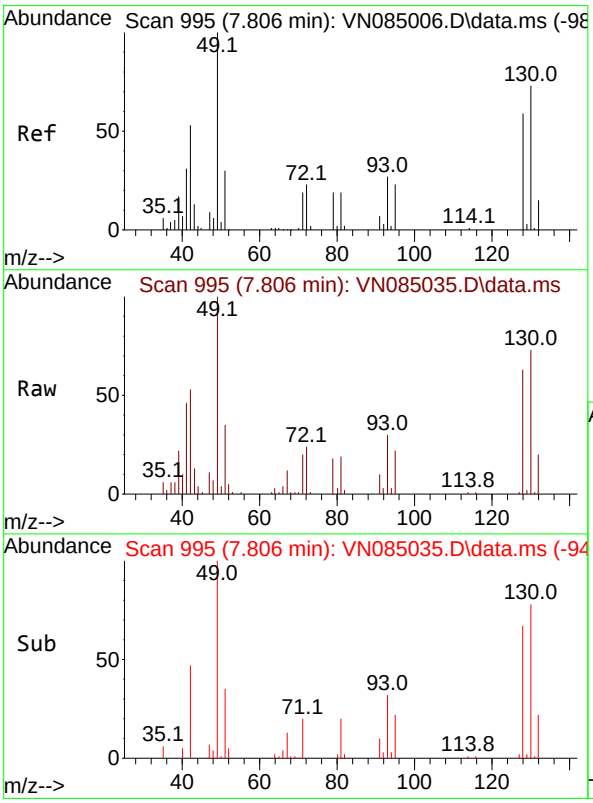
#27
cis-1,2-Dichloroethene
Concen: 47.388 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 105445

Ion	Ratio	Lower	Upper
96	100		
61	145.6	0.0	291.6
98	63.8	0.0	129.8

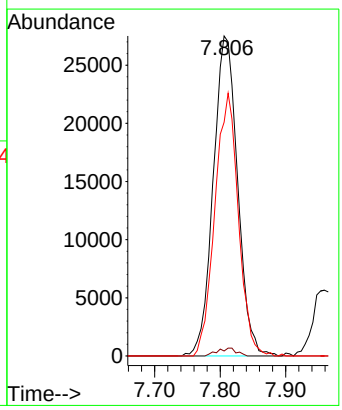


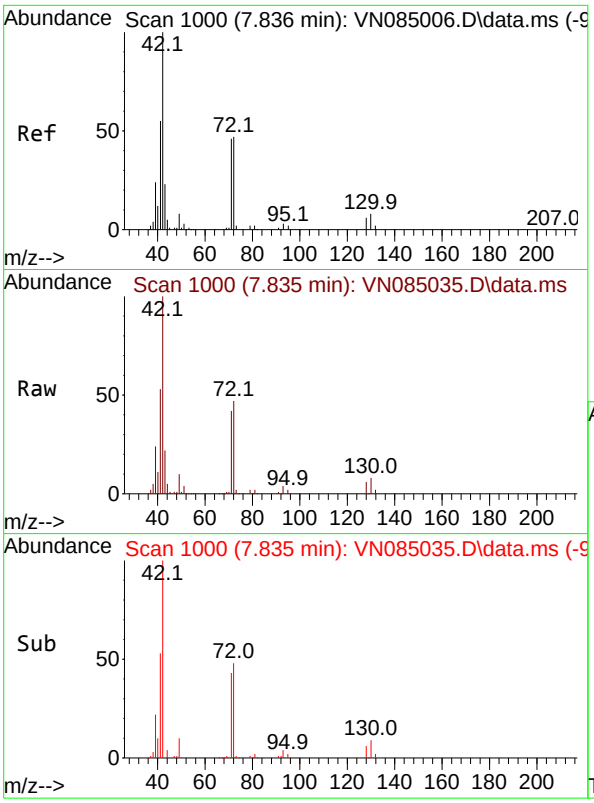


#28
Bromochloromethane
Concen: 52.763 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 49 Resp: 70930

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	79.0	60.6	90.8



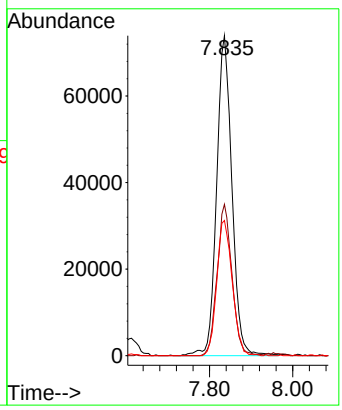


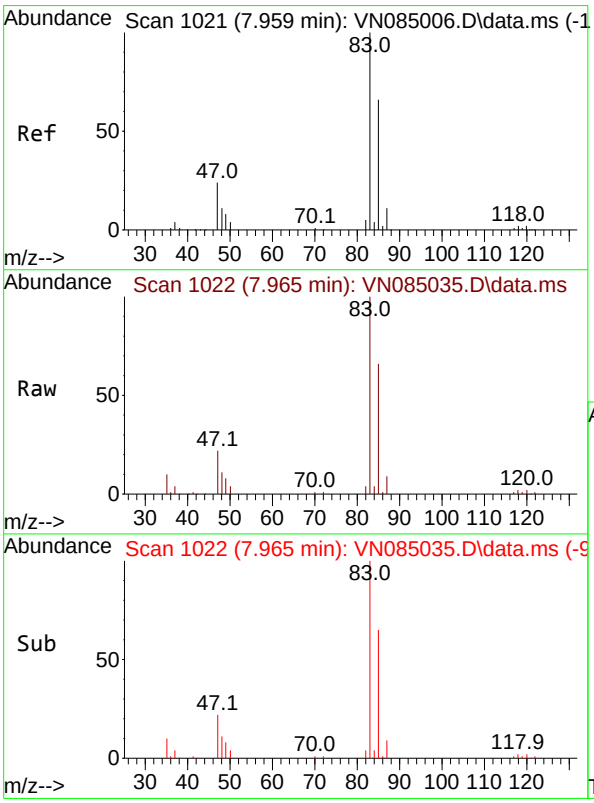
#29
Tetrahydrofuran
Concen: 270.576 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 188589

Ion	Ratio	Lower	Upper
42	100		
72	46.0	37.0	55.4
71	42.9	35.0	52.4

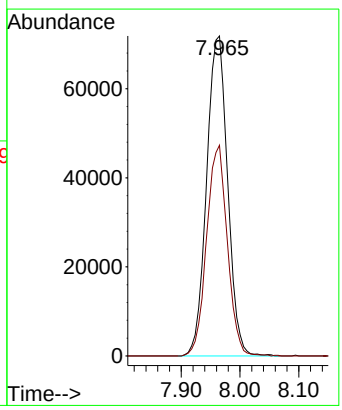


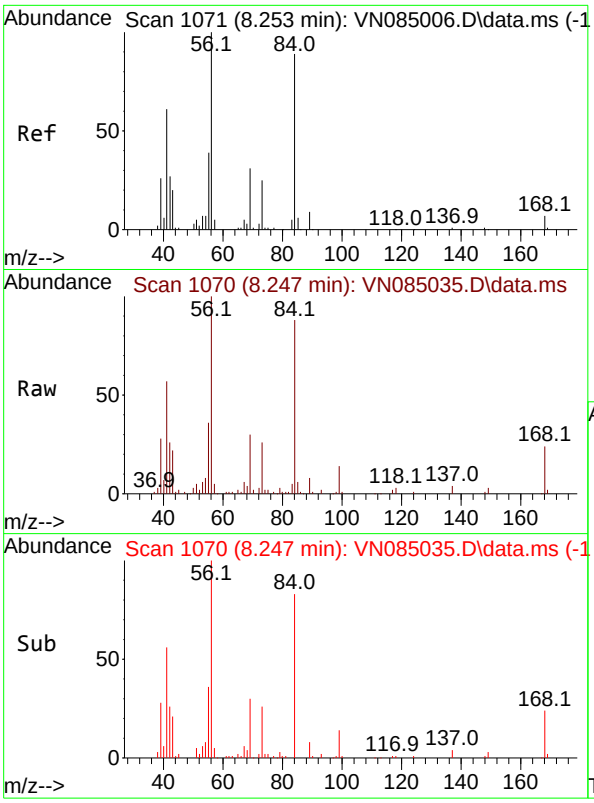


#30
Chloroform
Concen: 47.097 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 83 Resp: 178414

Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.6	78.8



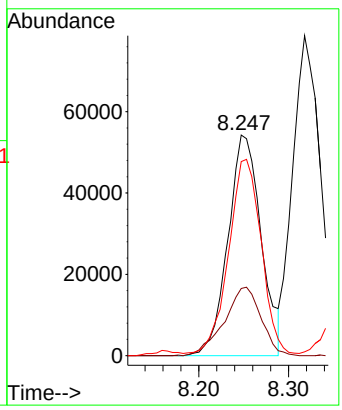


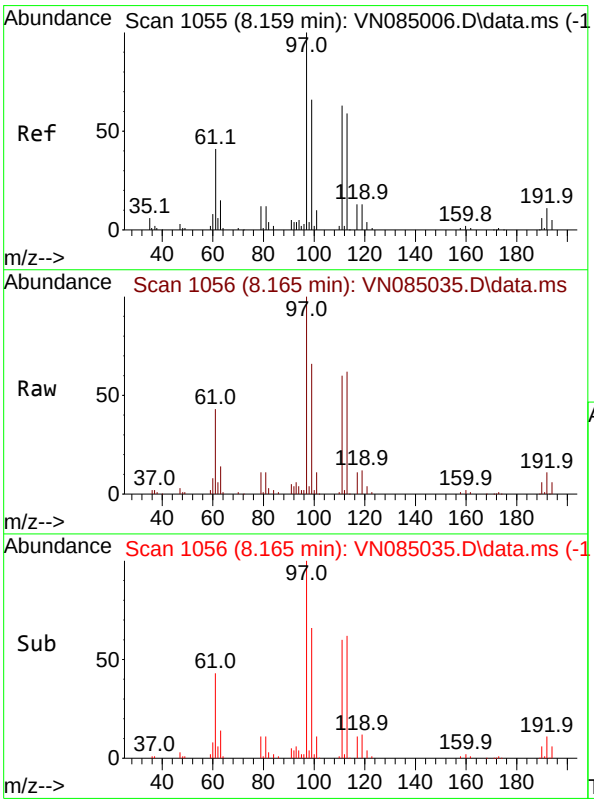
#31
Cyclohexane
Concen: 44.490 ug/l
RT: 8.247 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 139498

Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.6	36.8
84	86.5	71.4	107.2

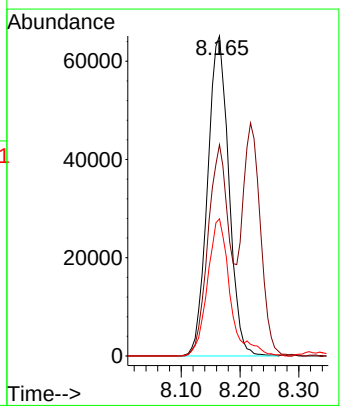


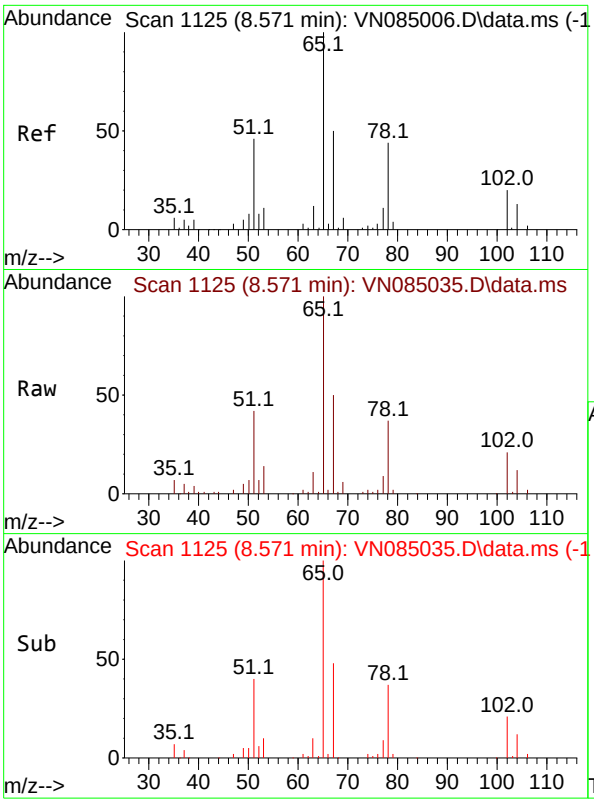


#32
1,1,1-Trichloroethane
Concen: 47.843 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 97 Resp: 163779

Ion	Ratio	Lower	Upper
97	100		
99	67.4	51.0	76.4
61	45.5	36.2	54.2



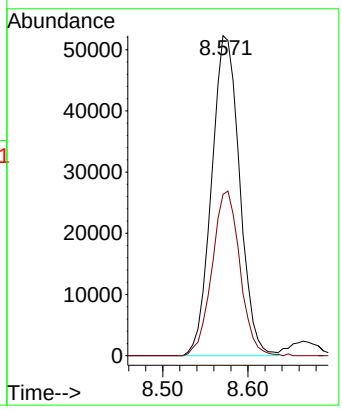


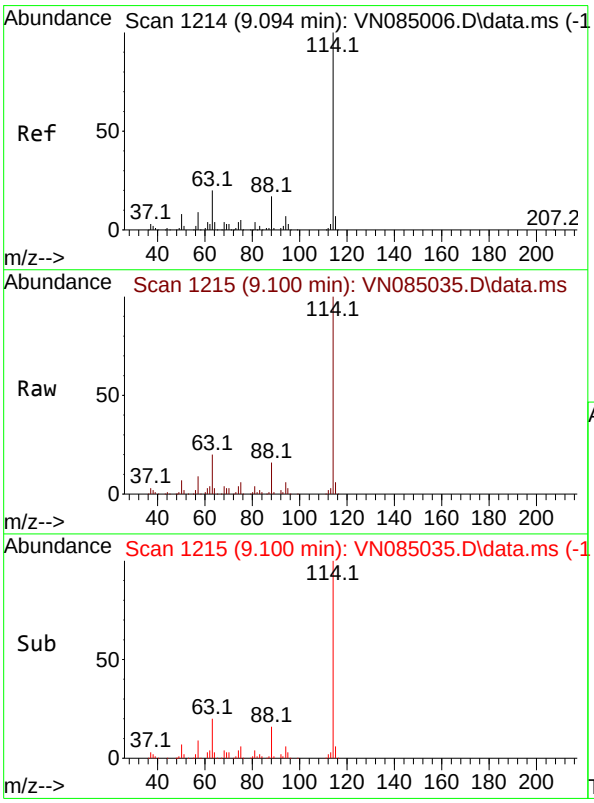
#33
1,2-Dichloroethane-d4
Concen: 50.815 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 119612

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	105.0

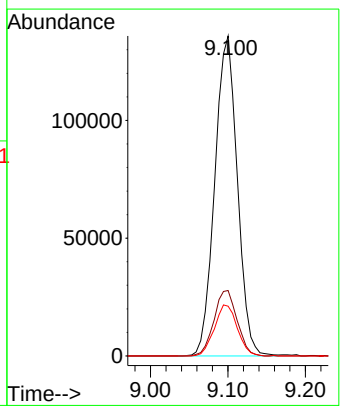


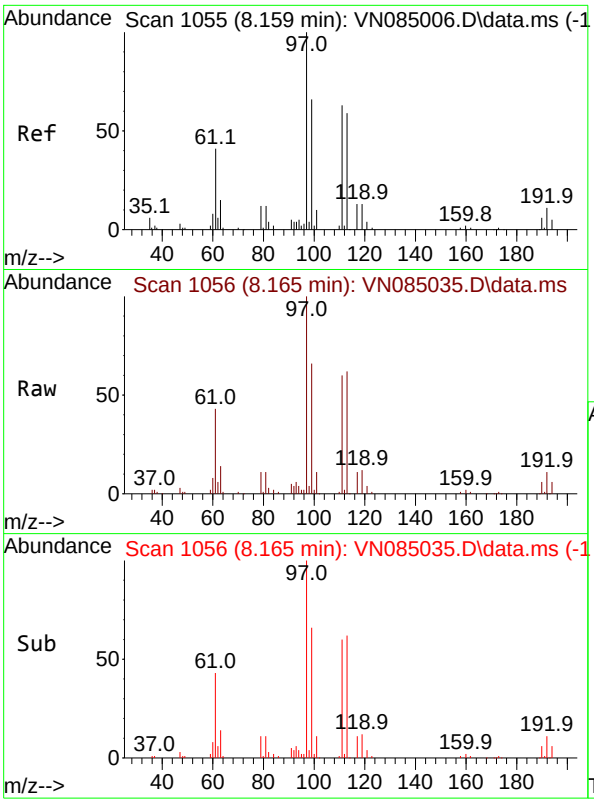


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:114 Resp: 275028

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	41.0
88	15.6	0.0	34.8



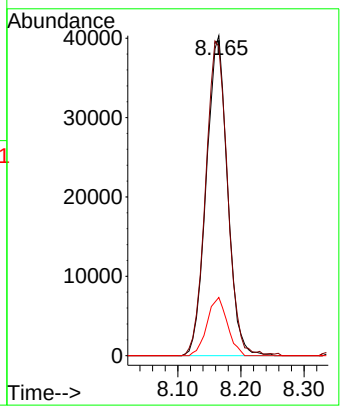


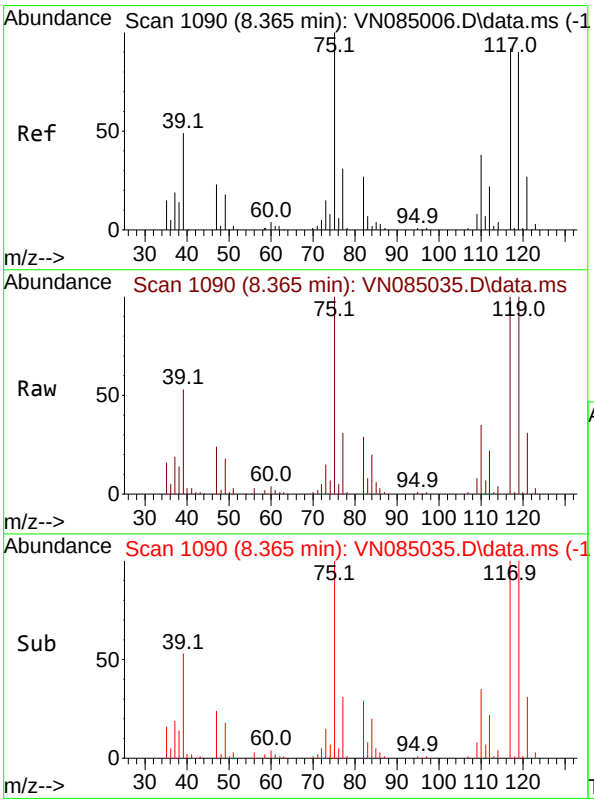
#35
Dibromofluoromethane
Concen: 50.608 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 93863

Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.0	123.0
192	17.5	14.8	22.2

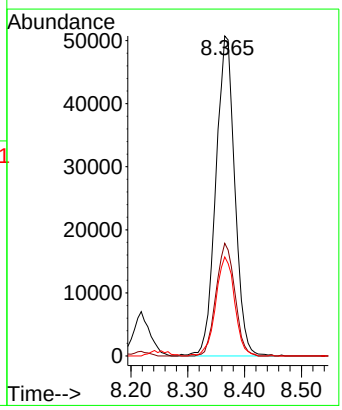


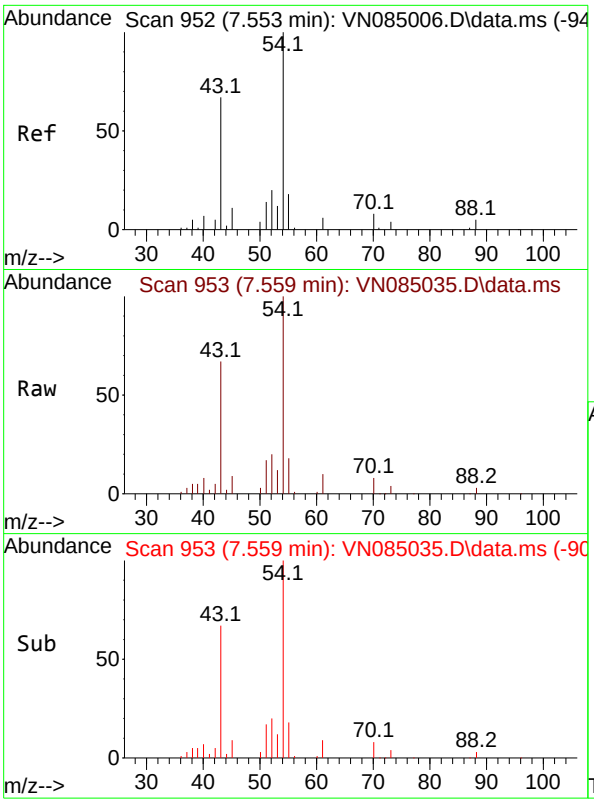


#36
1,1-Dichloropropene
Concen: 46.842 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 75 Resp: 117675

Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.2	51.6
77	30.9	24.2	36.4



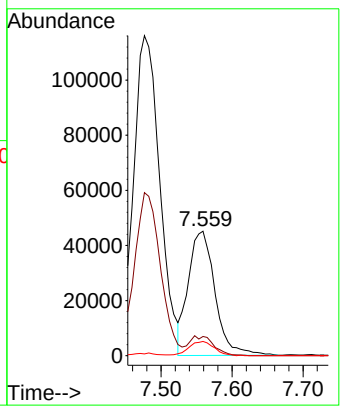


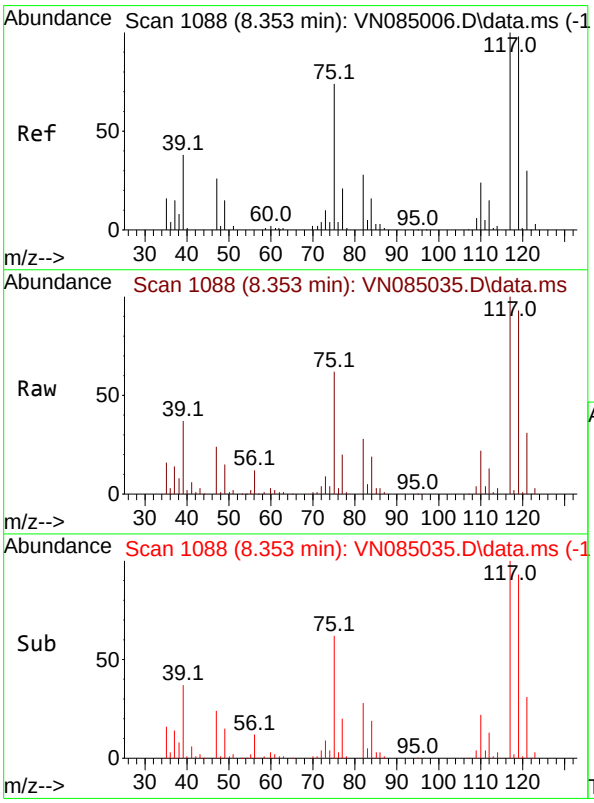
#37
Ethyl Acetate
Concen: 51.854 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 118425

Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.7	17.5
70	10.8	9.3	13.9

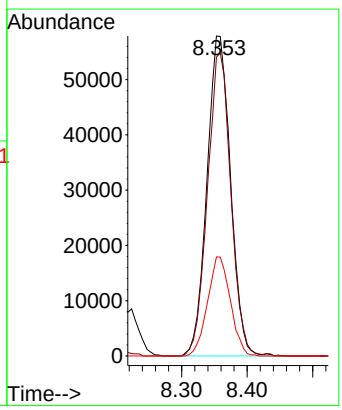


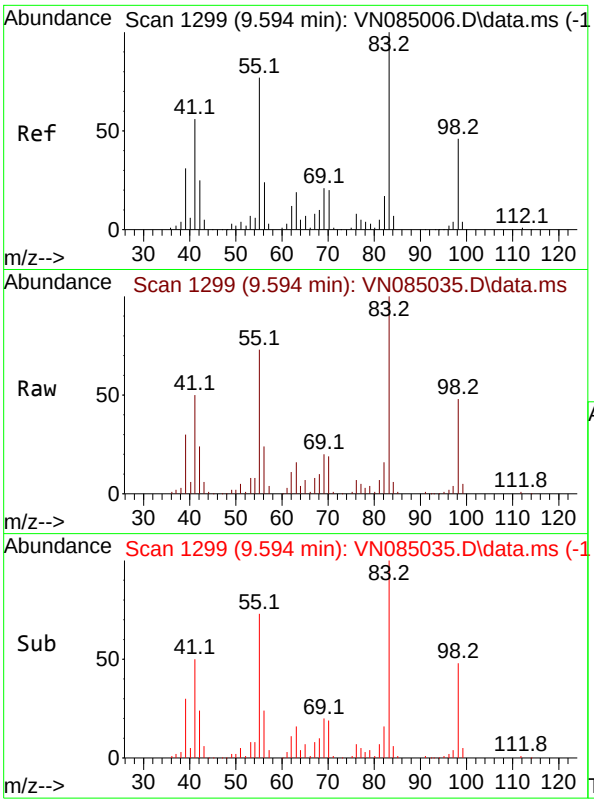


#38
Carbon Tetrachloride
Concen: 49.820 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:117 Resp: 144467

Ion	Ratio	Lower	Upper
117	100		
119	93.4	78.6	117.8
121	30.9	24.2	36.2



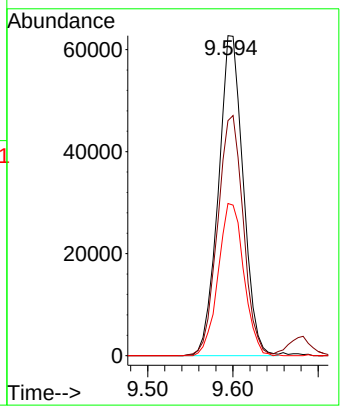


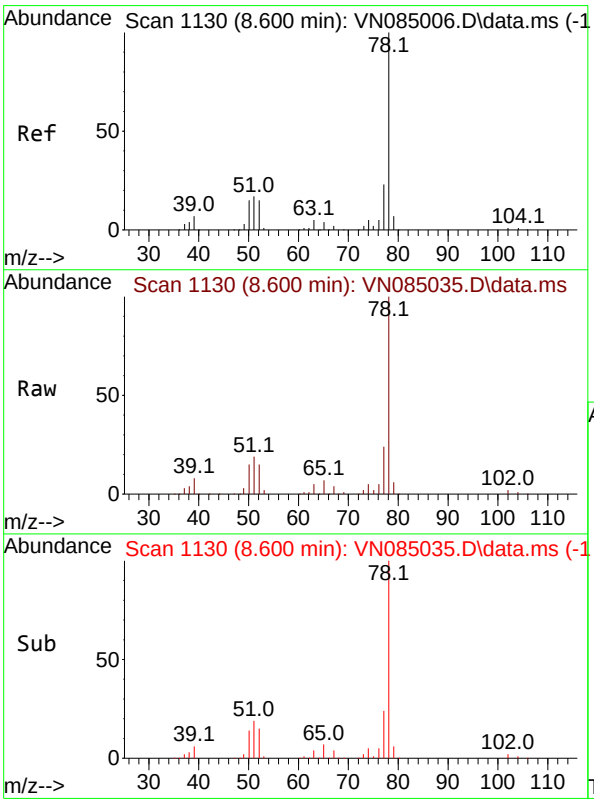
#39
Methylcyclohexane
Concen: 48.612 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 126903

Ion	Ratio	Lower	Upper
83	100		
55	73.5	61.8	92.6
98	47.6	37.0	55.6

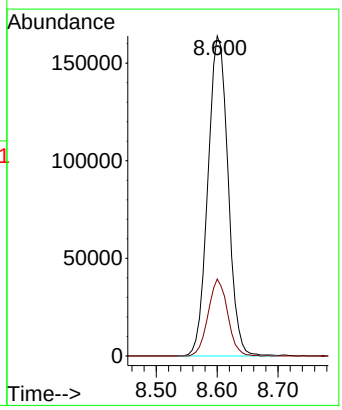


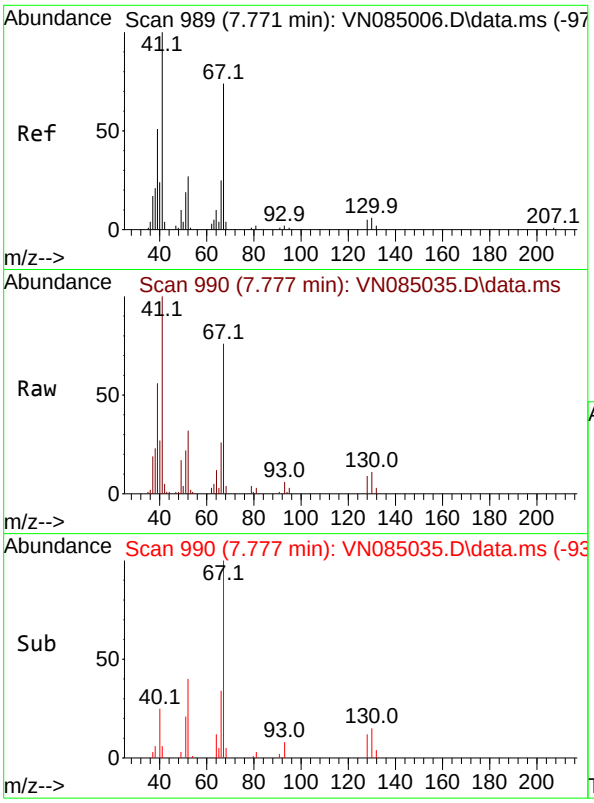


#40
Benzene
Concen: 47.382 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 78 Resp: 376473

Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.5	27.7



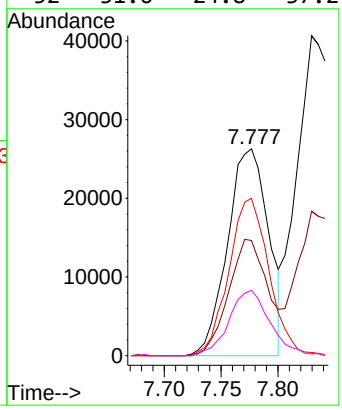


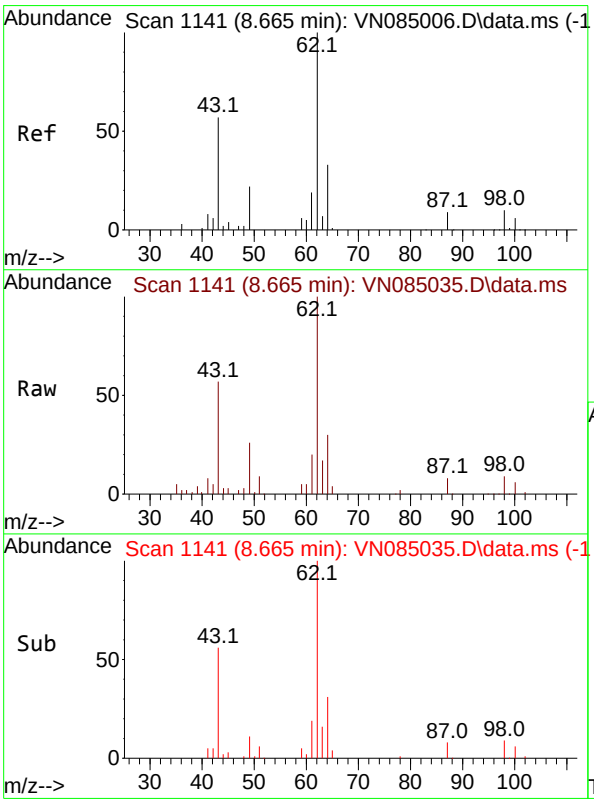
#41
Methacrylonitrile
Concen: 52.138 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 65929

Ion	Ratio	Lower	Upper
41	100		
39	53.4	42.6	63.8
67	74.7	59.9	89.9
52	31.6	24.8	37.2

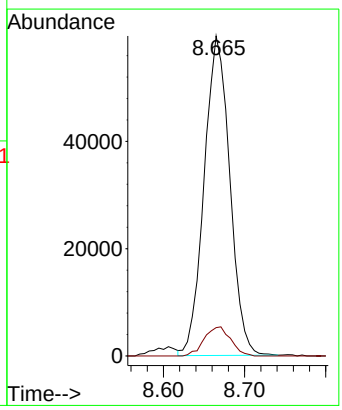


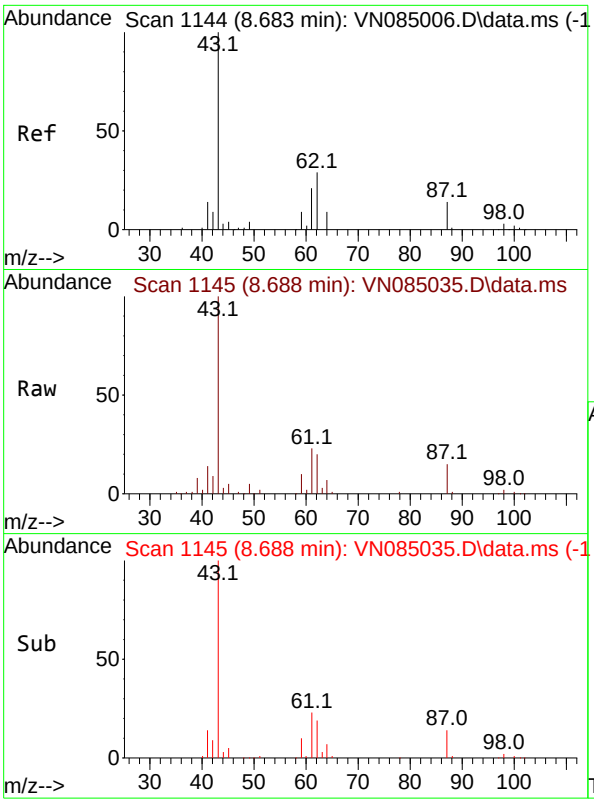


#42
1,2-Dichloroethane
Concen: 48.086 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 62 Resp: 130709

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.2



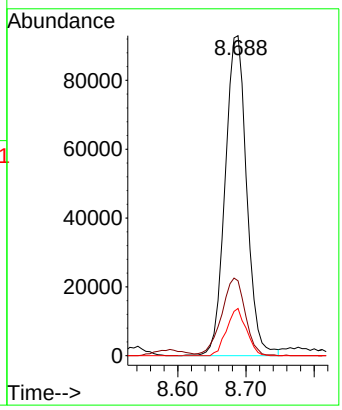


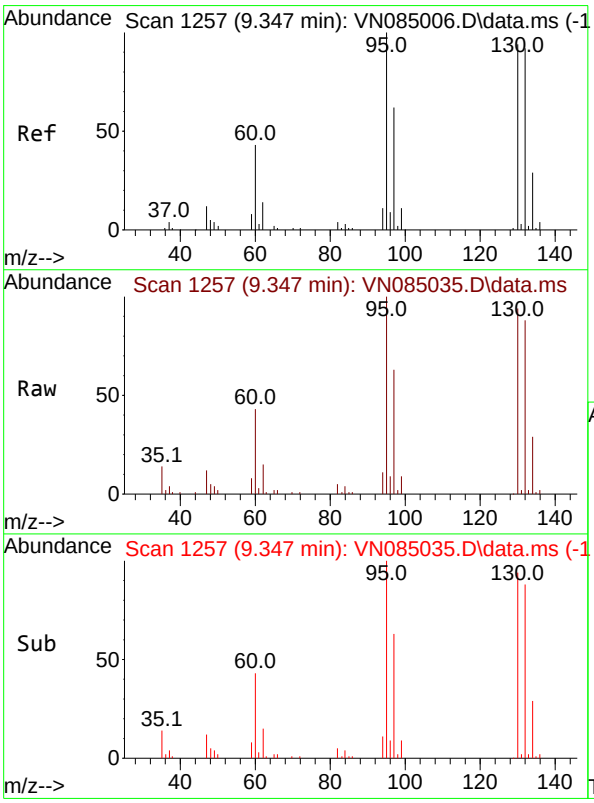
#43
Isopropyl Acetate
Concen: 43.113 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 204526

Ion	Ratio	Lower	Upper
43	100		
61	26.8	20.6	30.8
87	13.5	11.0	16.4

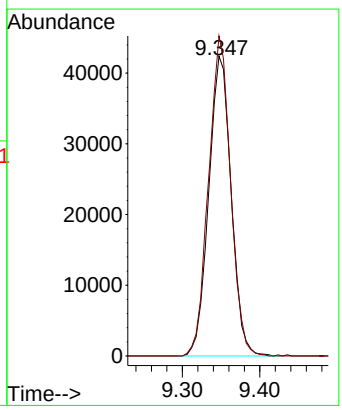


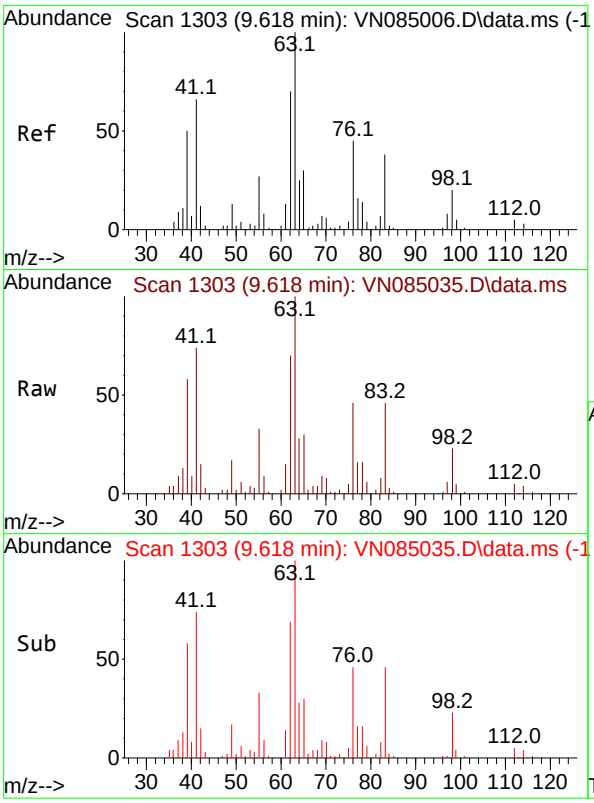


#44
Trichloroethene
Concen: 46.190 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:130 Resp: 85290

Ion	Ratio	Lower	Upper
130	100		
95	106.7	0.0	213.4



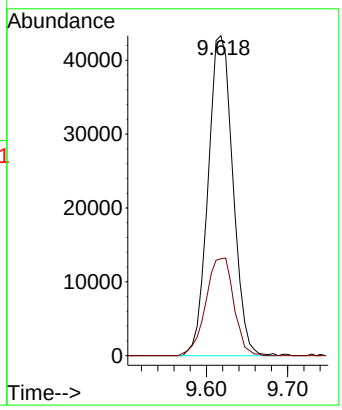


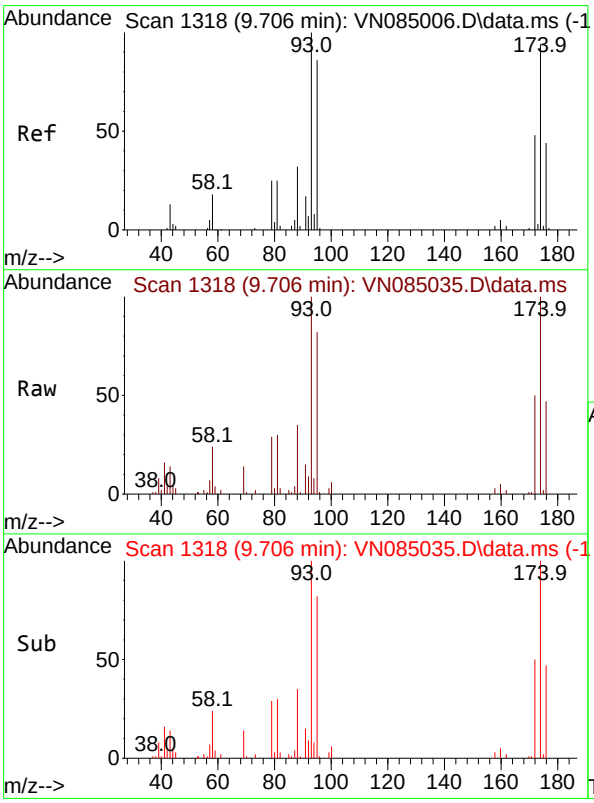
#45
1,2-Dichloropropane
Concen: 46.997 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 91973

Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.0	36.0

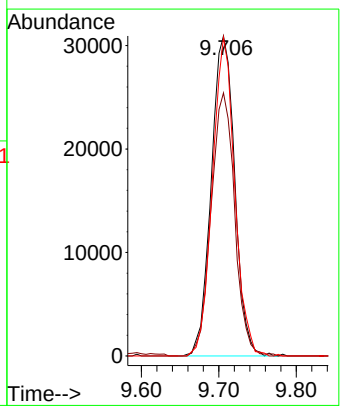


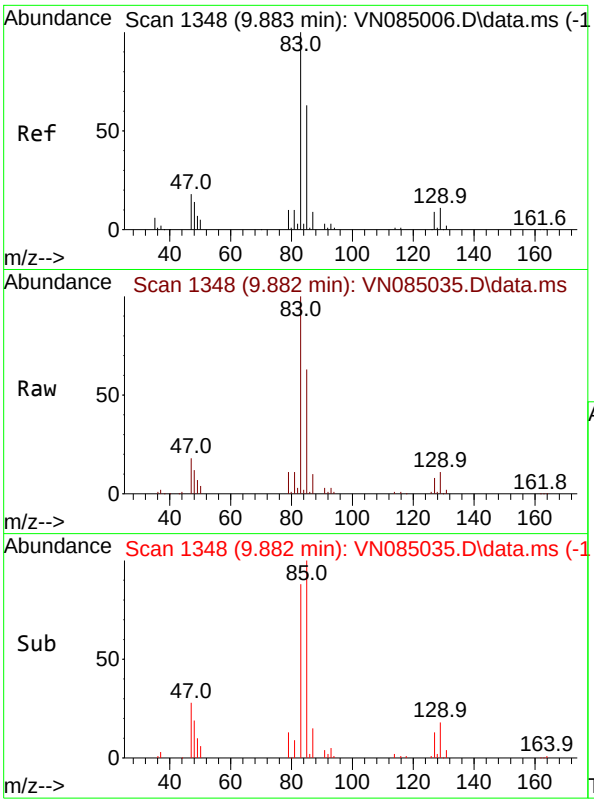


#46
Dibromomethane
Concen: 47.749 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 93 Resp: 64931

Ion	Ratio	Lower	Upper
93	100		
95	82.3	66.2	99.4
174	94.5	74.9	112.3



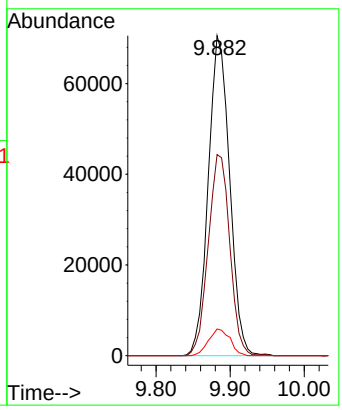


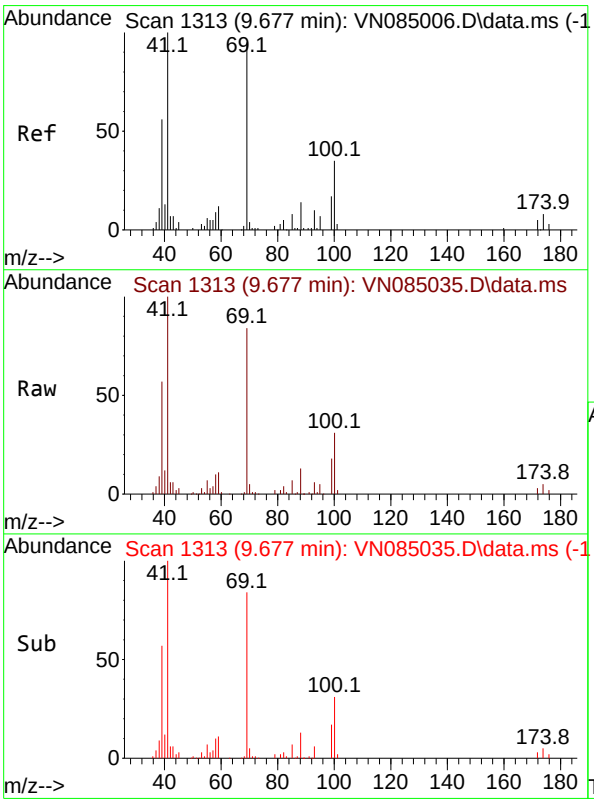
#47
Bromodichloromethane
Concen: 48.956 ug/l
RT: 9.882 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 141097

Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.5	75.7
127	8.3	7.1	10.7

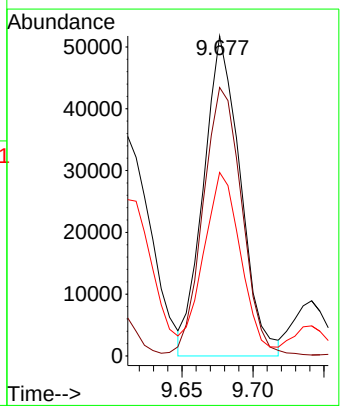


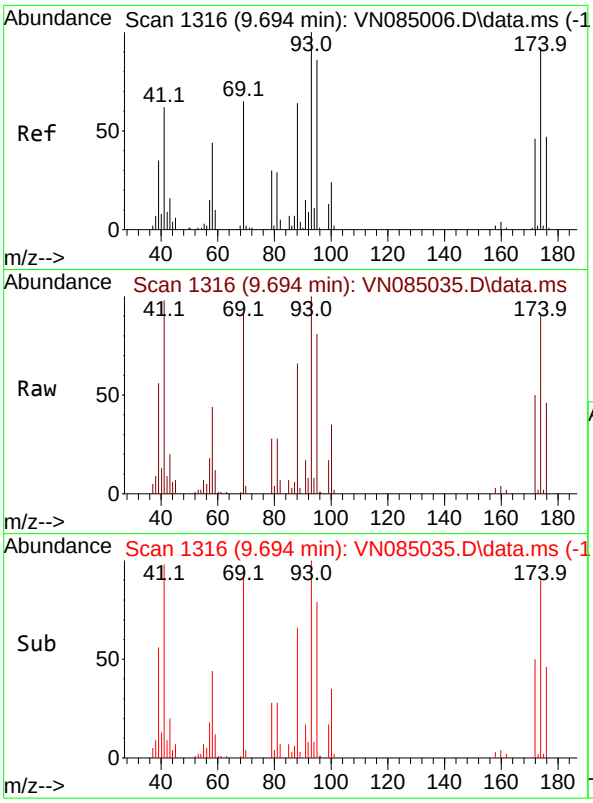


#48
Methyl methacrylate
Concen: 52.894 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 41 Resp: 93375

Ion	Ratio	Lower	Upper
41	100		
69	87.9	73.2	109.8
39	58.8	46.2	69.4



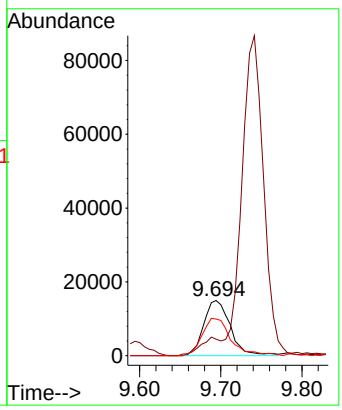


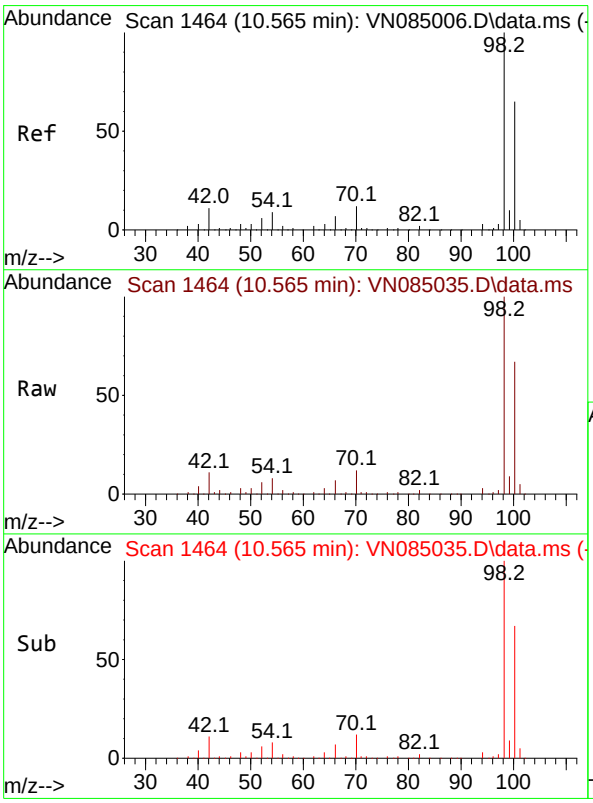
#49
1,4-Dioxane
Concen: 1114.269 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 34112

Ion	Ratio	Lower	Upper
88	100		
43	25.1	16.7	25.1#
58	72.5	56.5	84.7

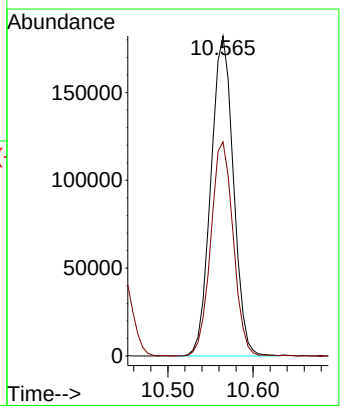


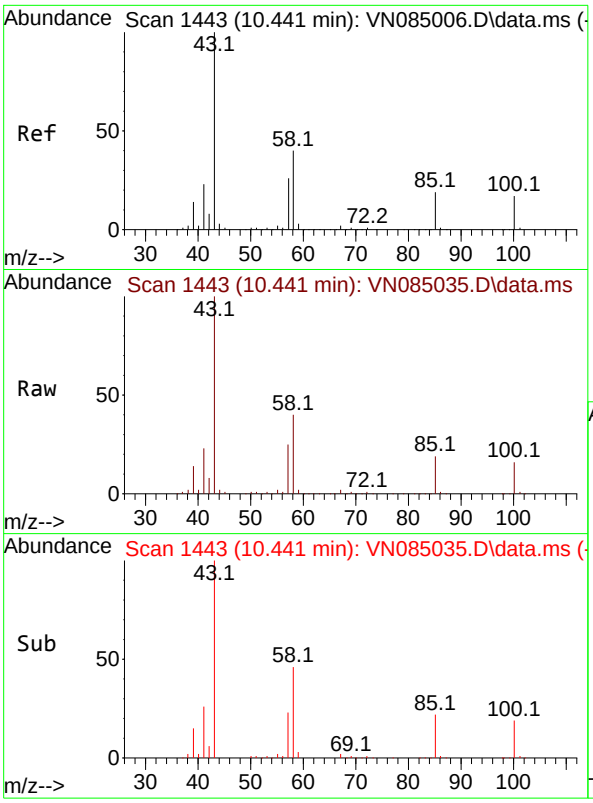


#50
Toluene-d8
Concen: 50.302 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 98 Resp: 334346

Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.5	78.7



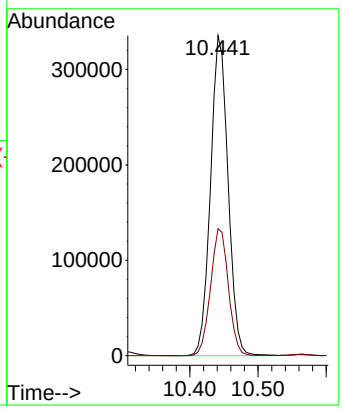


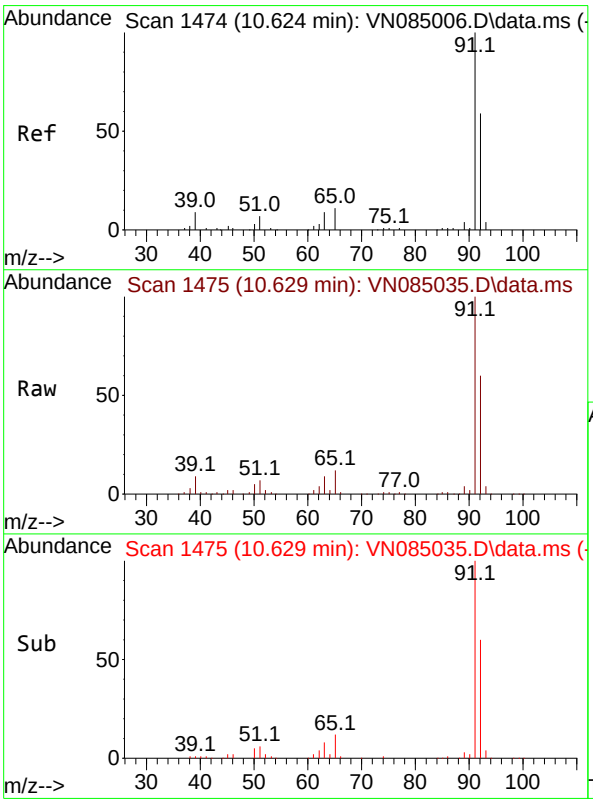
#51
4-Methyl-2-Pentanone
Concen: 277.350 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 600962

Ion	Ratio	Lower	Upper
43	100		
58	40.4	32.1	48.1

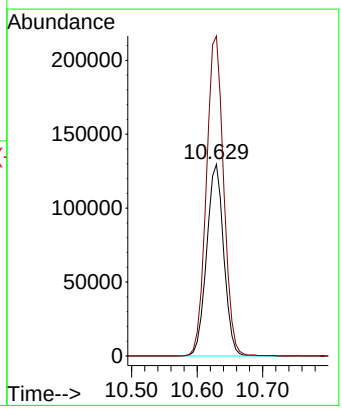


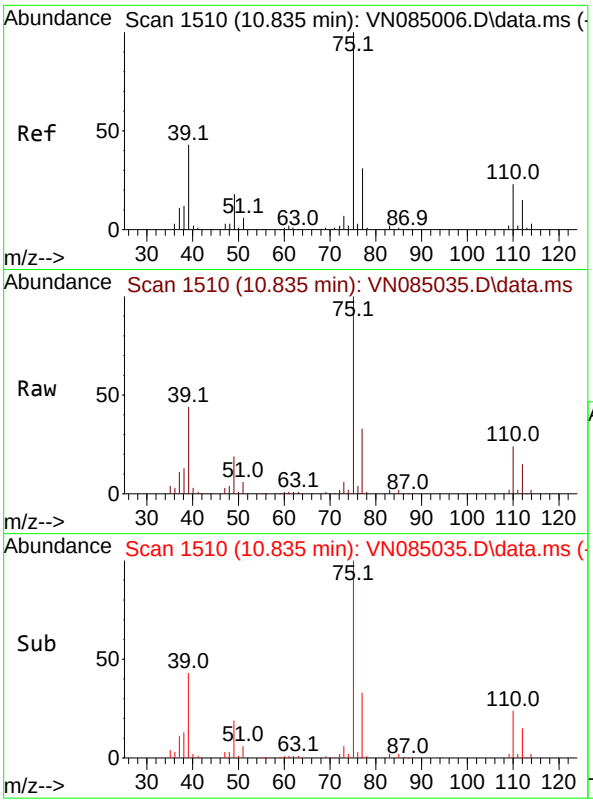


#52
Toluene
Concen: 49.952 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 92 Resp: 234962

Ion	Ratio	Lower	Upper
92	100		
91	168.8	136.7	205.1



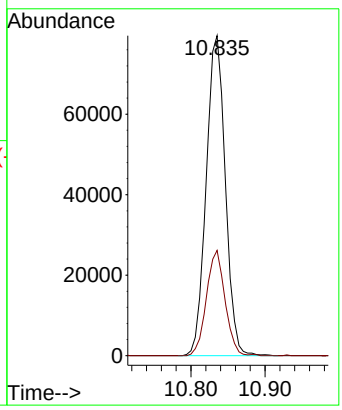


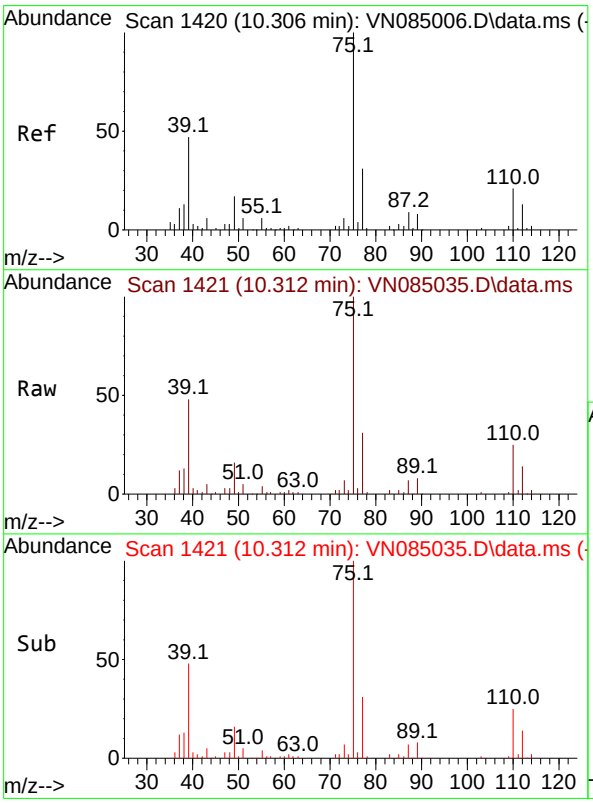
#53
t-1,3-Dichloropropene
Concen: 49.251 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 142310

Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.0	37.4

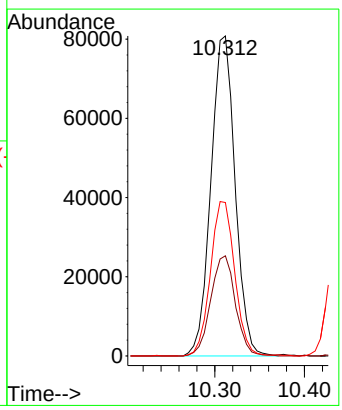


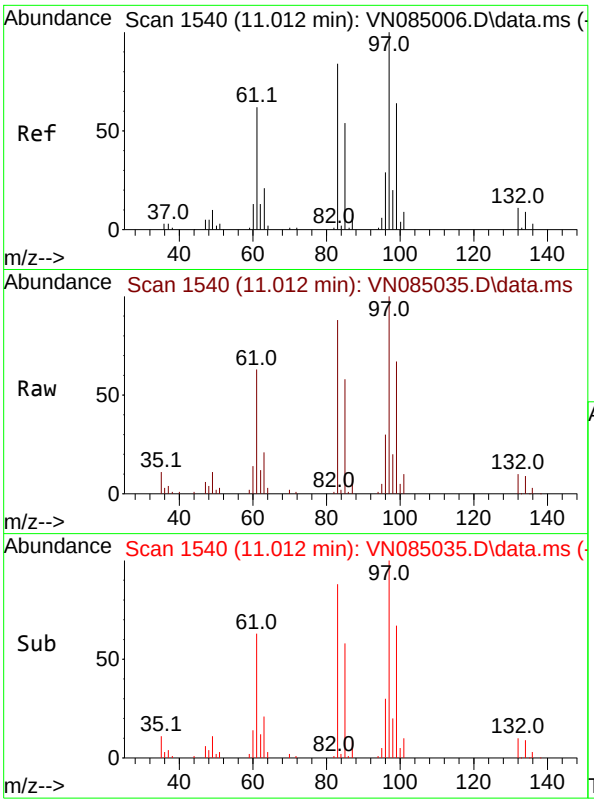


#54
cis-1,3-Dichloropropene
Concen: 49.375 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 75 Resp: 151354

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.4
39	47.9	37.6	56.4



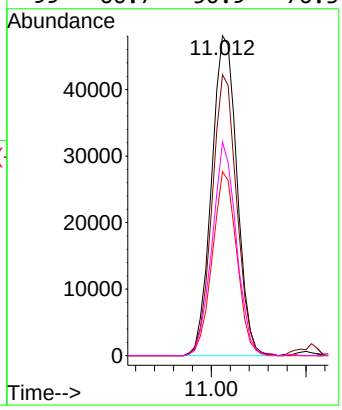


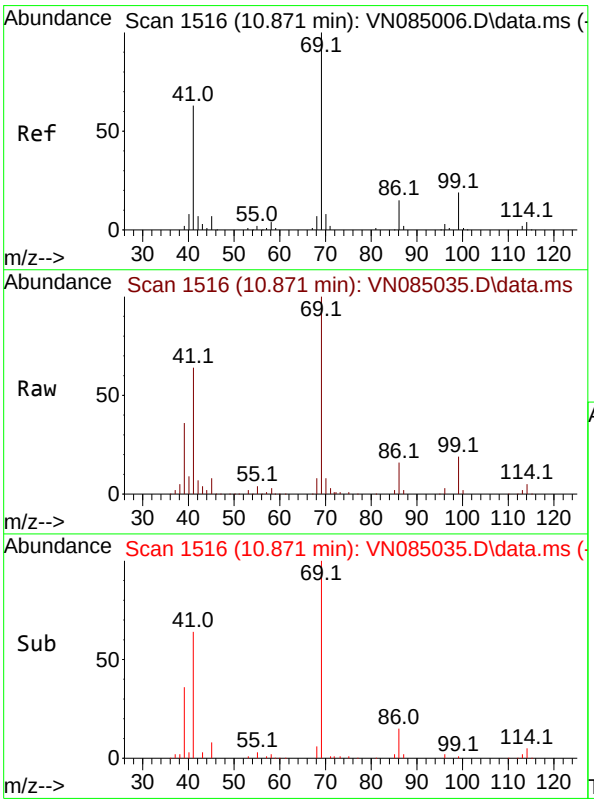
#55
1,1,2-Trichloroethane
Concen: 51.140 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 89600

Ion	Ratio	Lower	Upper
97	100		
83	87.8	67.4	101.2
85	57.5	43.1	64.7
99	66.7	50.9	76.3

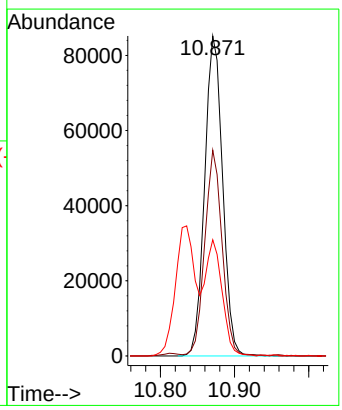


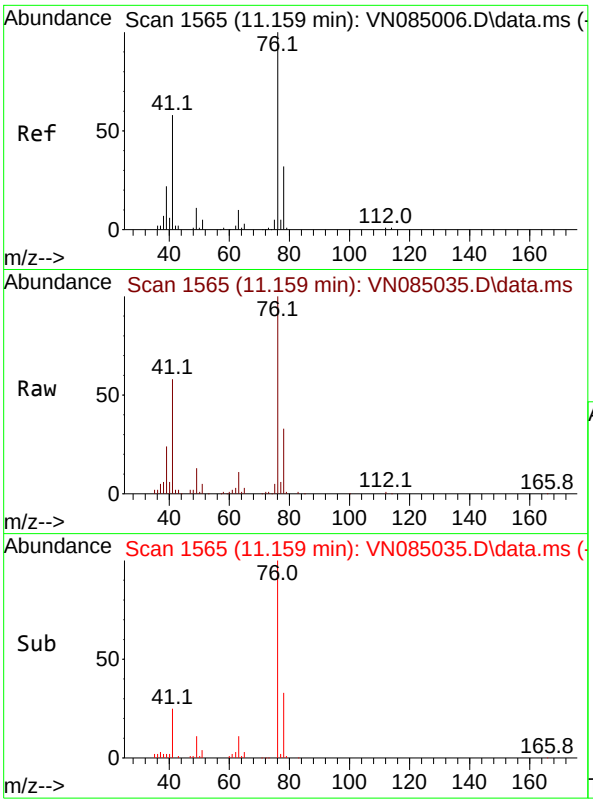


#56
Ethyl methacrylate
Concen: 55.843 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 69 Resp: 142968

Ion	Ratio	Lower	Upper
69	100		
41	62.6	50.0	75.0
39	34.2	27.0	40.6



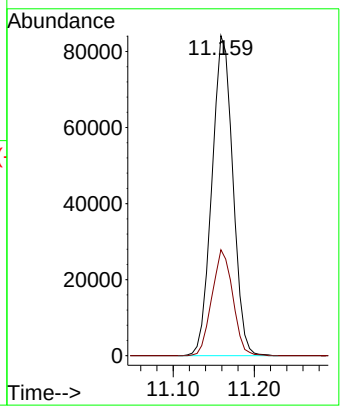


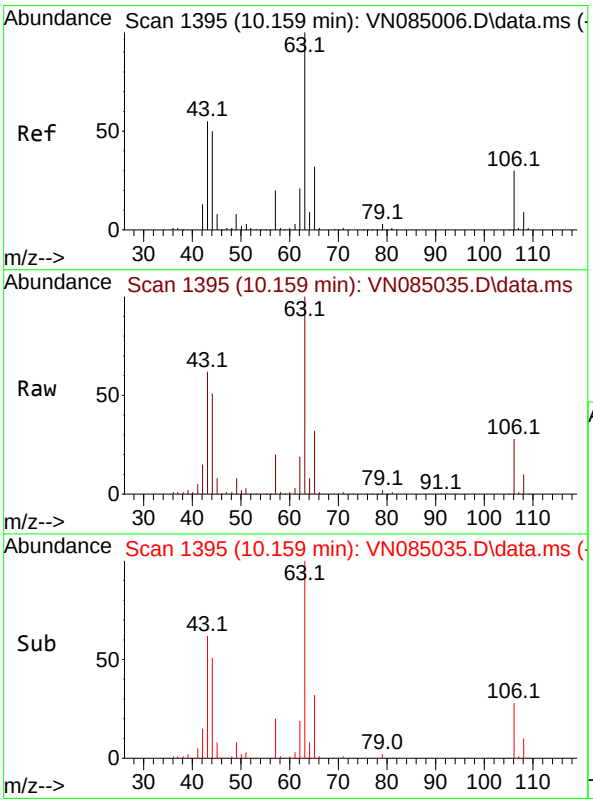
#57
1,3-Dichloropropane
Concen: 48.930 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 150879

Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.1	39.1

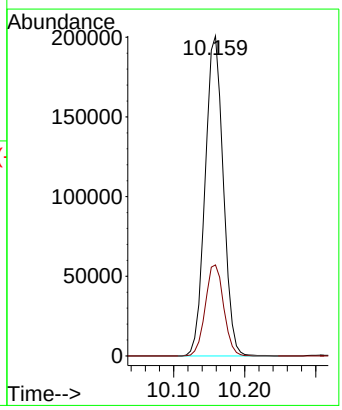


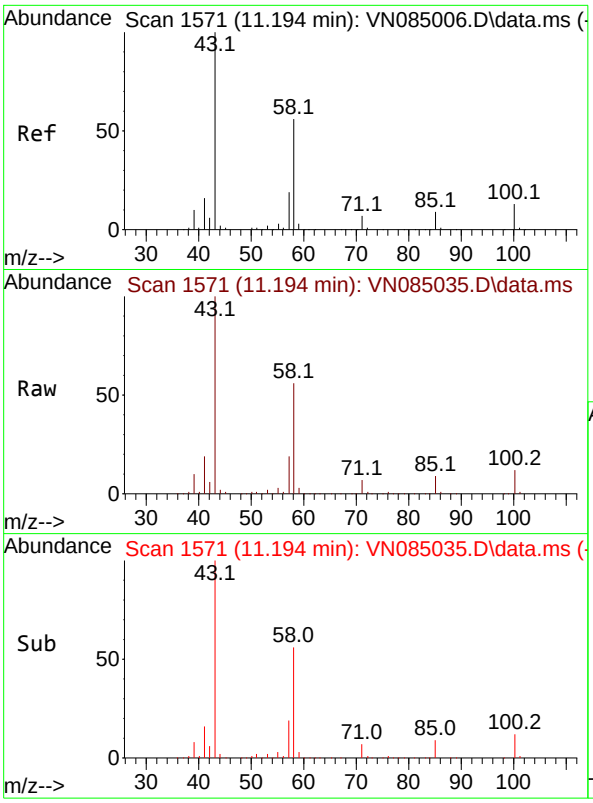


#58
2-Chloroethyl Vinyl ether
Concen: 283.452 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 63 Resp: 355968

Ion	Ratio	Lower	Upper
63	100		
106	28.9	23.0	34.6



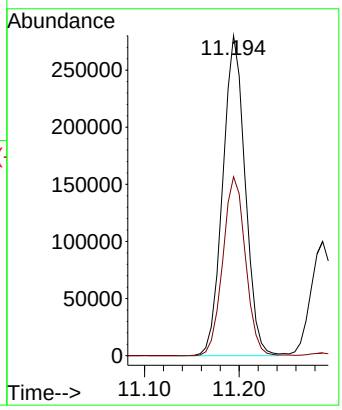


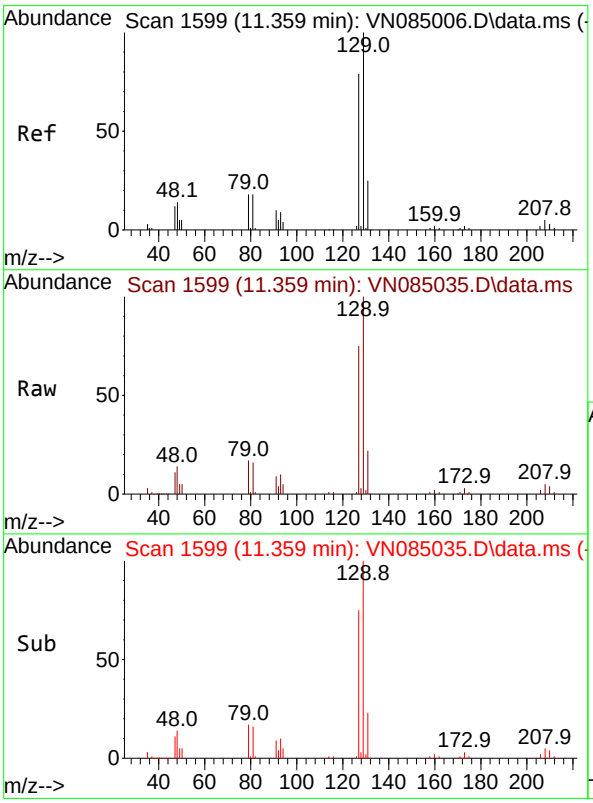
#59
2-Hexanone
Concen: 284.177 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 460526

Ion	Ratio	Lower	Upper
43	100		
58	56.5	28.3	85.0

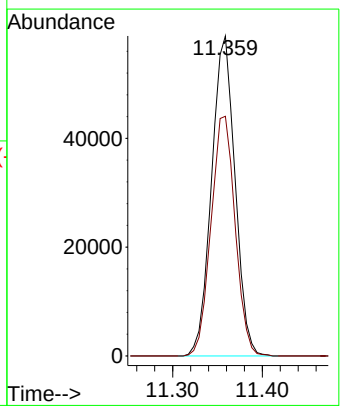


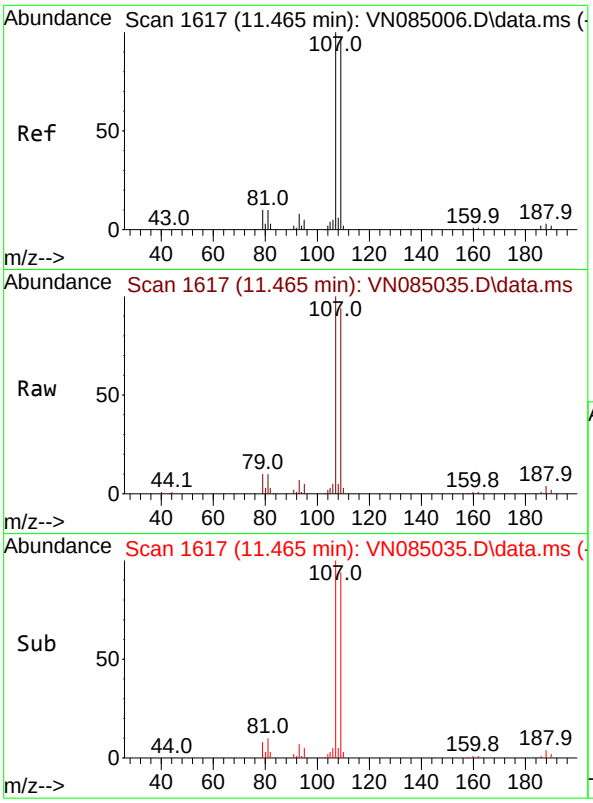


#60
Dibromochloromethane
Concen: 49.911 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:129 Resp: 106871

Ion	Ratio	Lower	Upper
129	100		
127	76.8	39.2	117.6



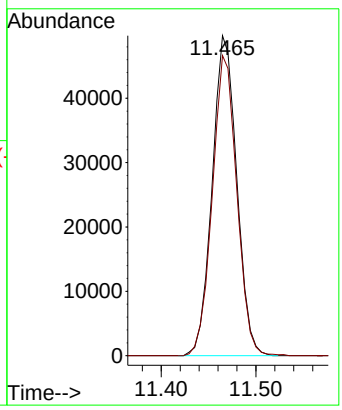


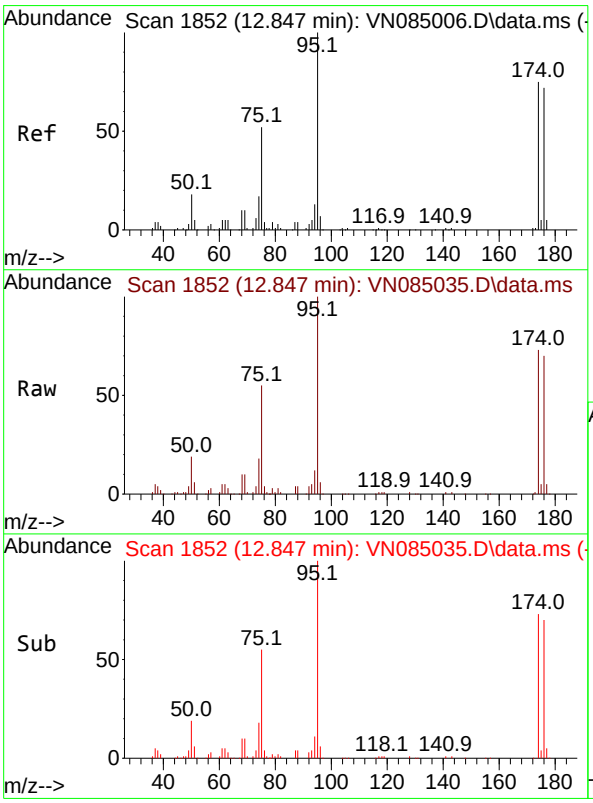
#61
1,2-Dibromoethane
Concen: 49.376 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 89530

Ion	Ratio	Lower	Upper
107	100		
109	93.6	76.1	114.1

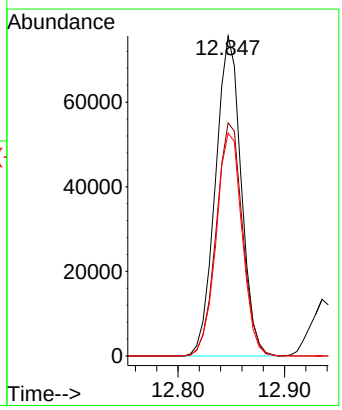


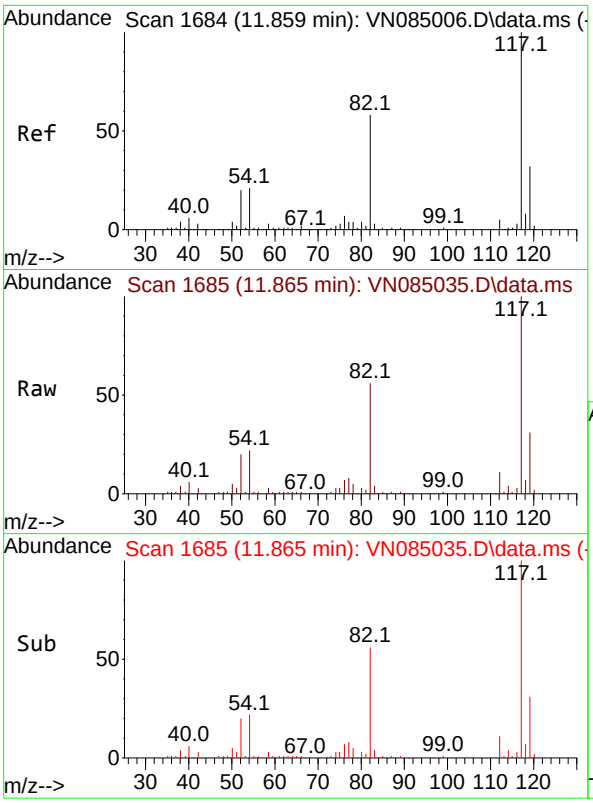


#62
4-Bromofluorobenzene
Concen: 50.879 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 95 Resp: 126470

Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	146.6
176	70.5	0.0	141.8



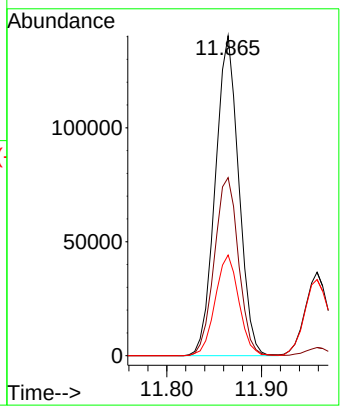


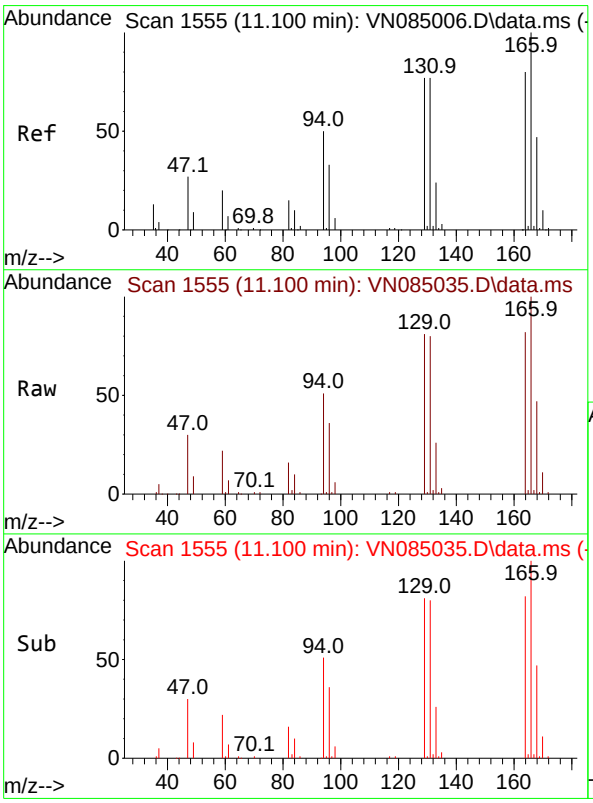
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 241627

Ion	Ratio	Lower	Upper
117	100		
82	55.7	46.0	69.0
119	31.5	25.6	38.4

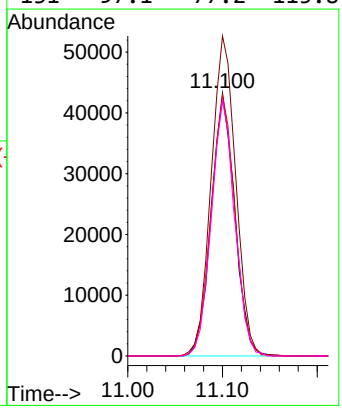


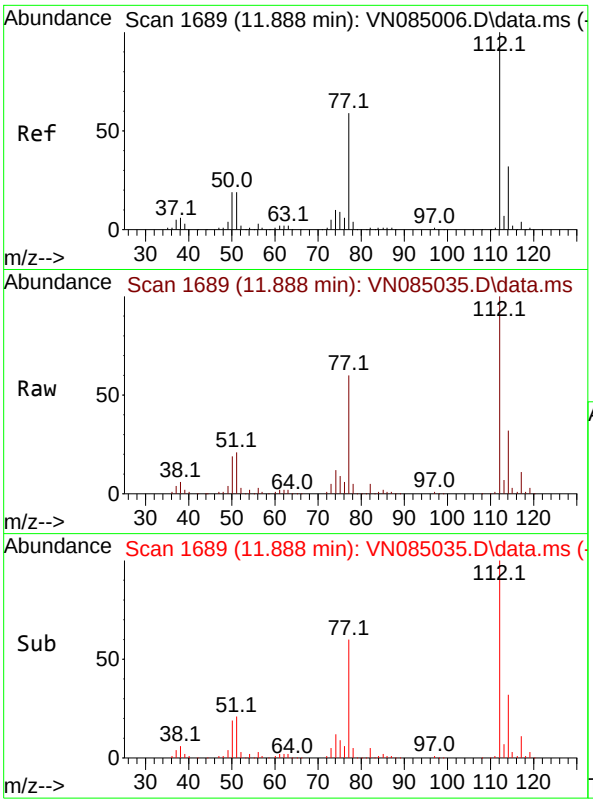


#64
Tetrachloroethene
Concen: 45.931 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:164 Resp: 74782

Ion	Ratio	Lower	Upper
164	100		
166	121.7	100.6	151.0
129	99.1	77.7	116.5
131	97.1	77.2	115.8



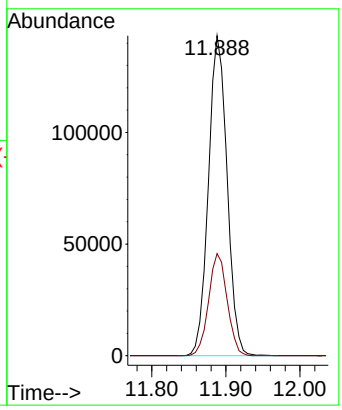


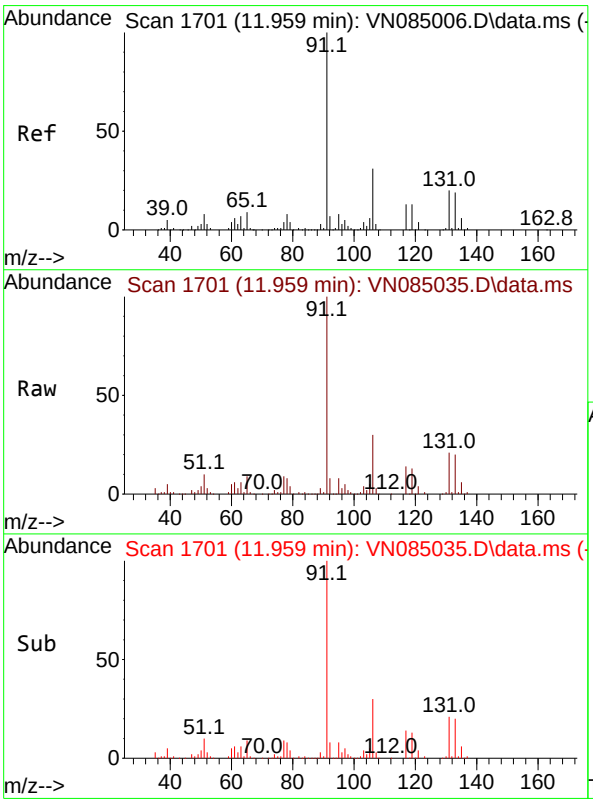
#65
Chlorobenzene
Concen: 45.742 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 250659

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.8	38.6

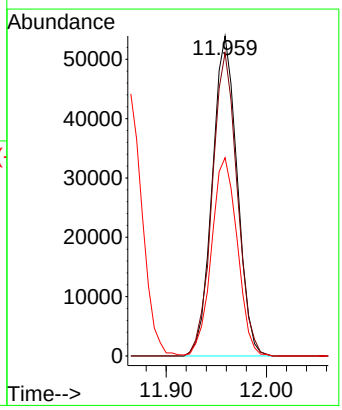


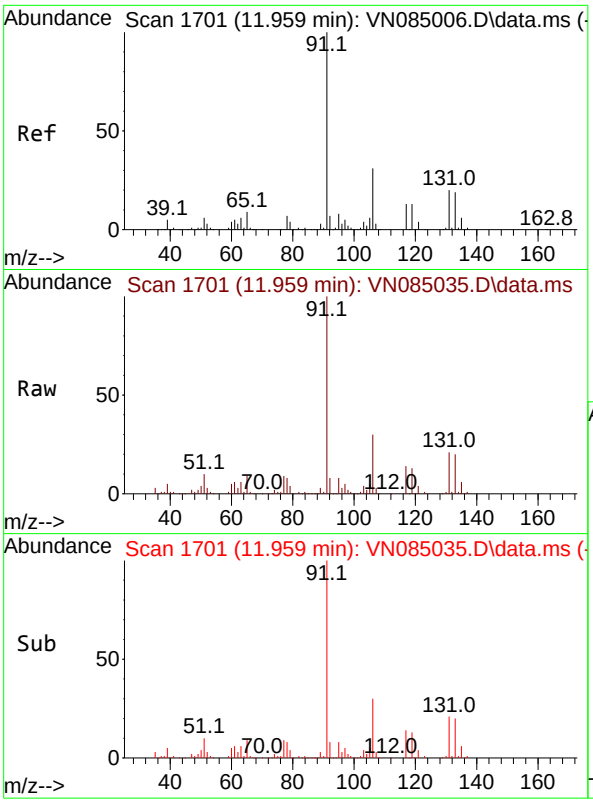


#66
1,1,1,2-Tetrachloroethane
Concen: 48.188 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:131 Resp: 92972

Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.8	143.4
119	64.1	32.1	96.3



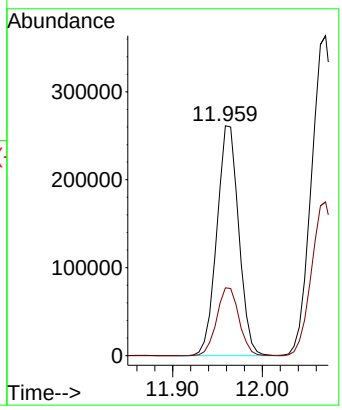


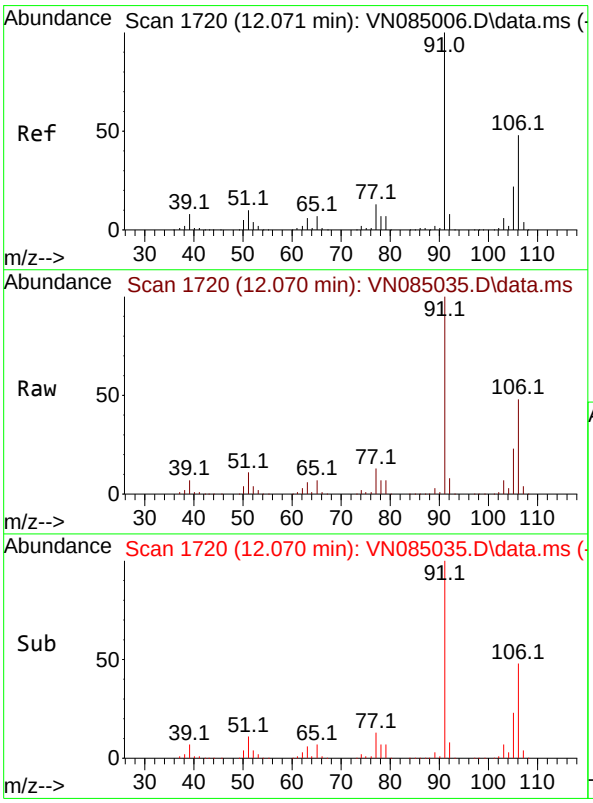
#67
Ethyl Benzene
Concen: 49.840 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 443095

Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.7	37.1

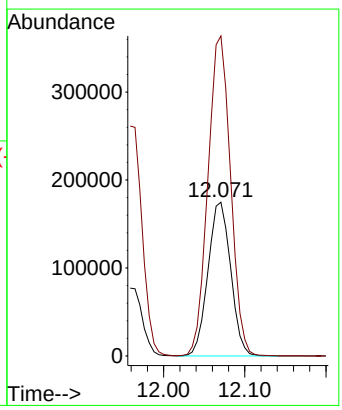


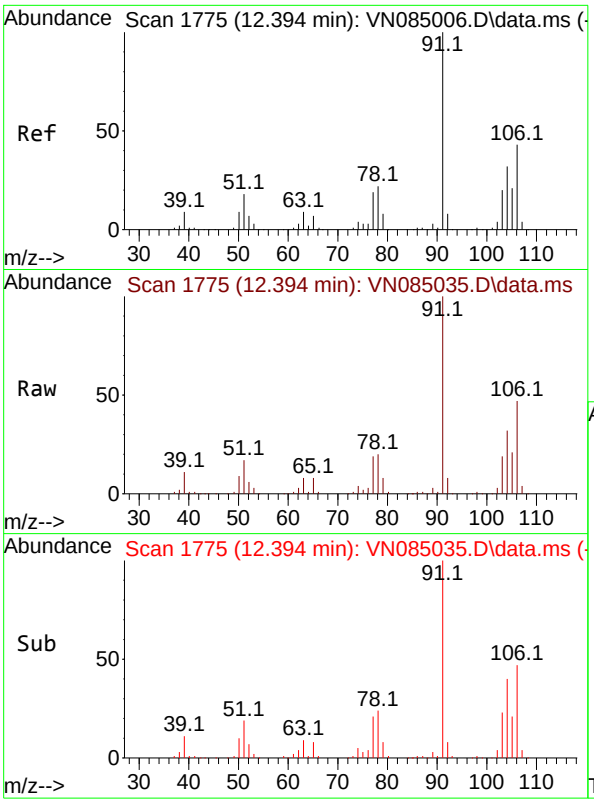


#68
m/p-Xylenes
Concen: 100.293 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:106 Resp: 339462

Ion	Ratio	Lower	Upper
106	100		
91	207.7	168.0	252.0



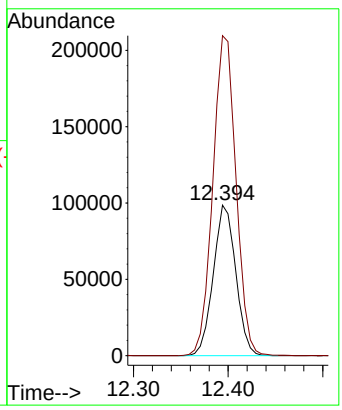


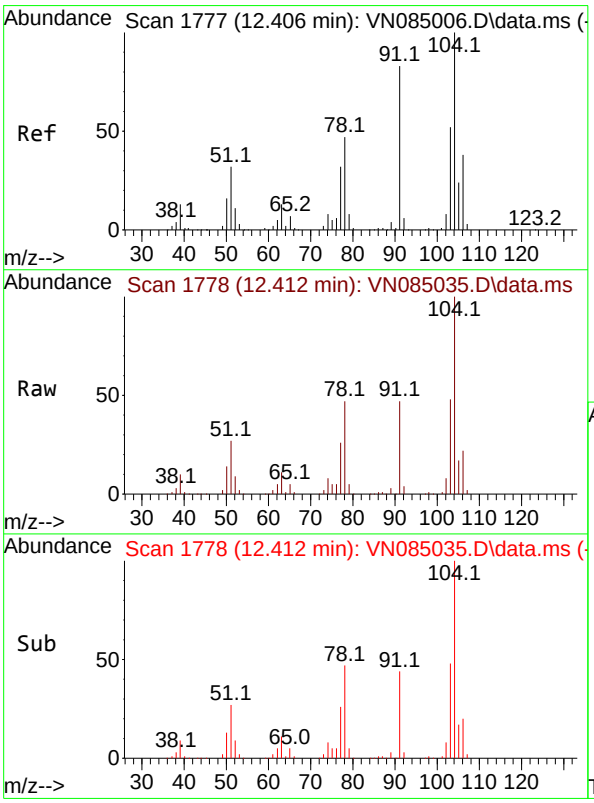
#69
o-Xylene
Concen: 50.601 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 162920

Ion	Ratio	Lower	Upper
106	100		
91	218.8	110.7	331.9

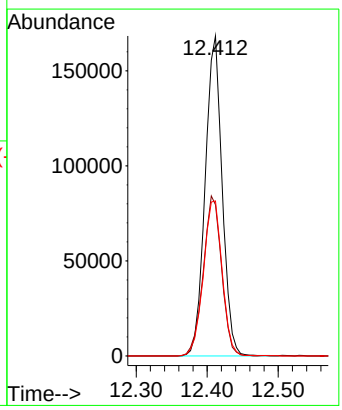


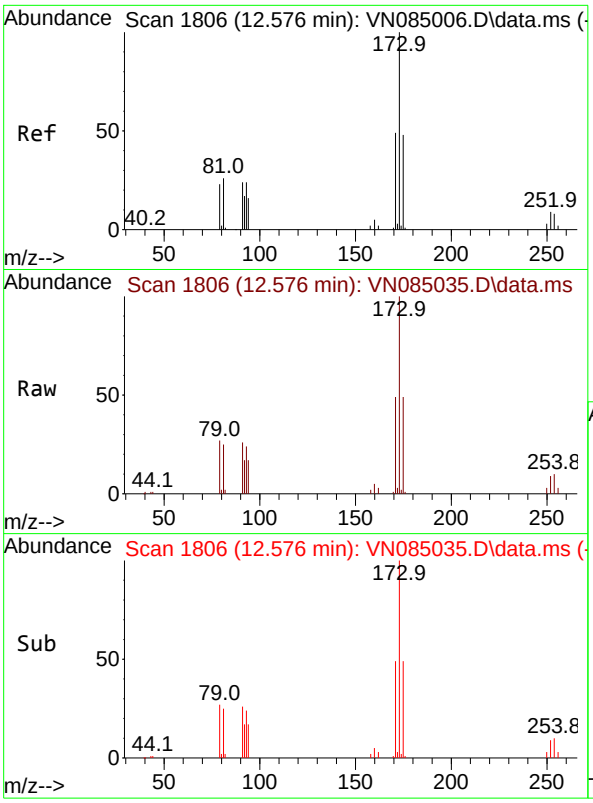


#70
Styrene
Concen: 52.383 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:104 Resp: 280474

Ion	Ratio	Lower	Upper
104	100		
78	53.8	42.3	63.5
103	53.6	44.2	66.2



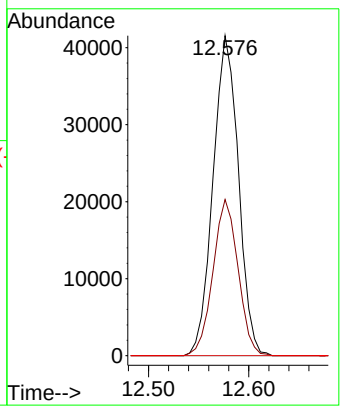


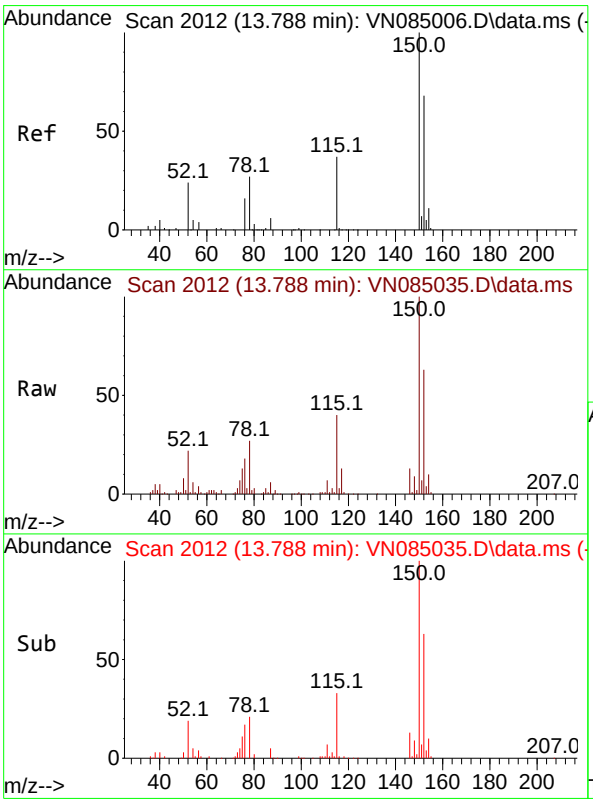
#71
Bromoform
Concen: 50.965 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 72990

Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.8	71.2
254	0.0	0.0	0.0

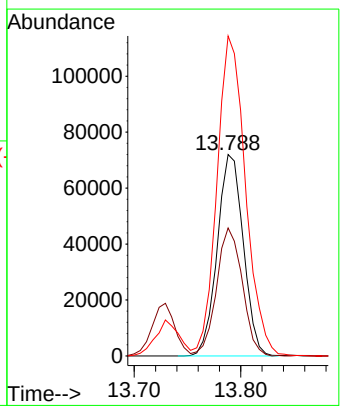


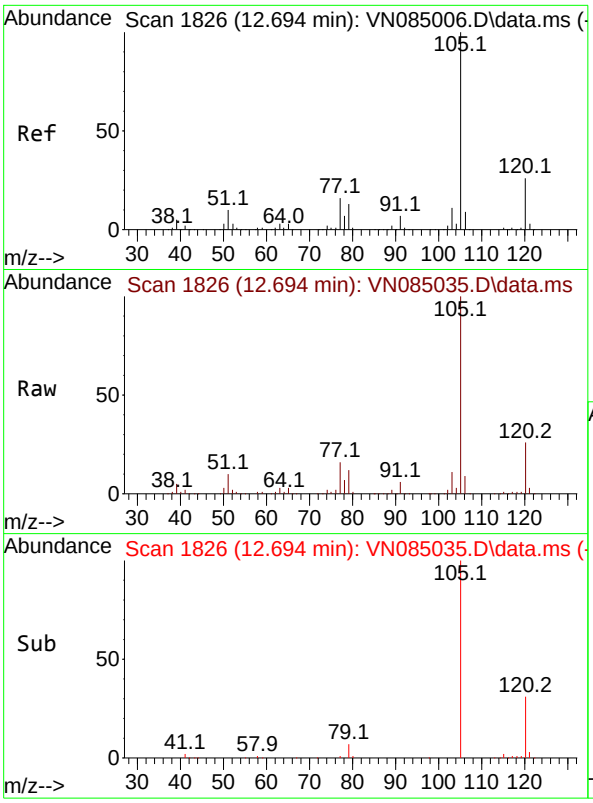


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:152 Resp: 122188

Ion	Ratio	Lower	Upper
152	100		
115	62.8	31.7	95.1
150	174.2	0.0	351.4



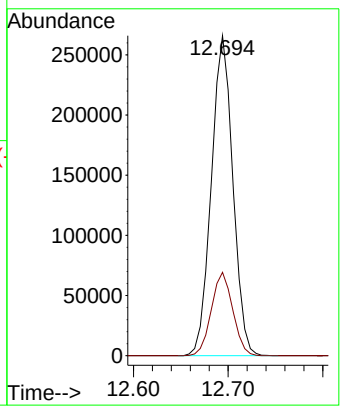


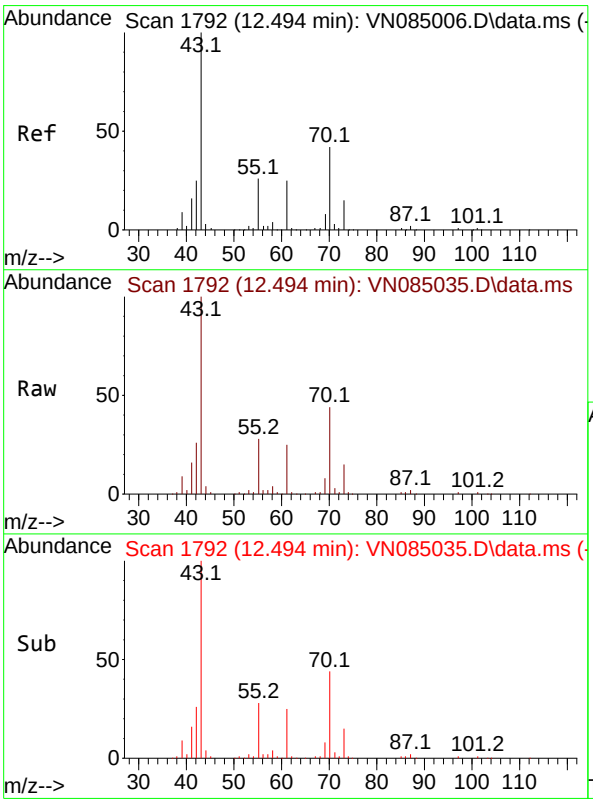
#73
Isopropylbenzene
Concen: 48.684 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 419656

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.0	39.0

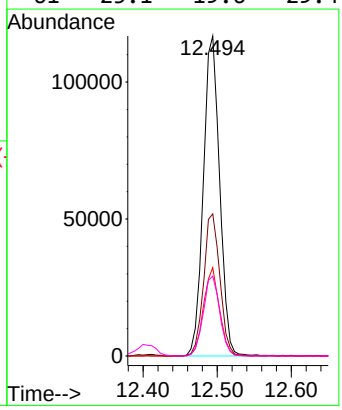


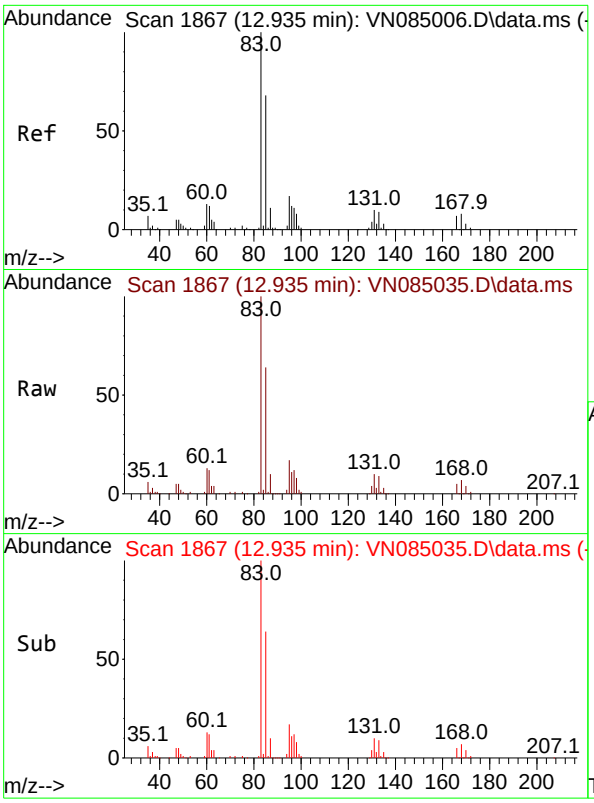


#74
N-amyl acetate
Concen: 50.317 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 43 Resp: 178728

Ion	Ratio	Lower	Upper
43	100		
70	44.2	34.6	51.8
55	26.9	20.5	30.7
61	25.1	19.6	29.4



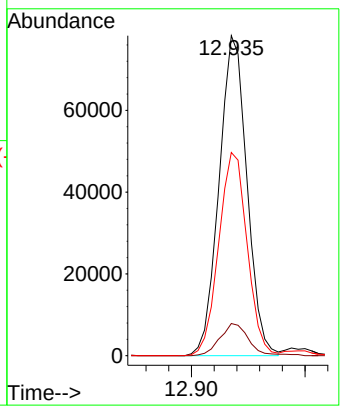


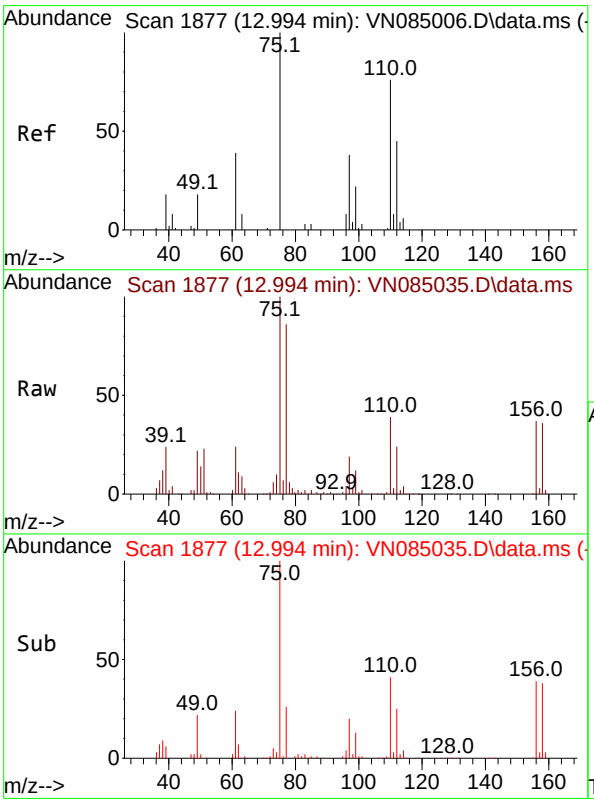
#75
1,1,2,2-Tetrachloroethane
Concen: 45.255 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 133209

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.1	15.4
85	64.7	32.1	96.3

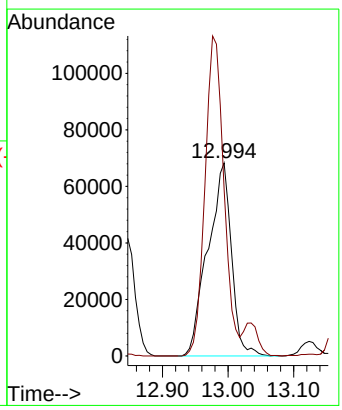


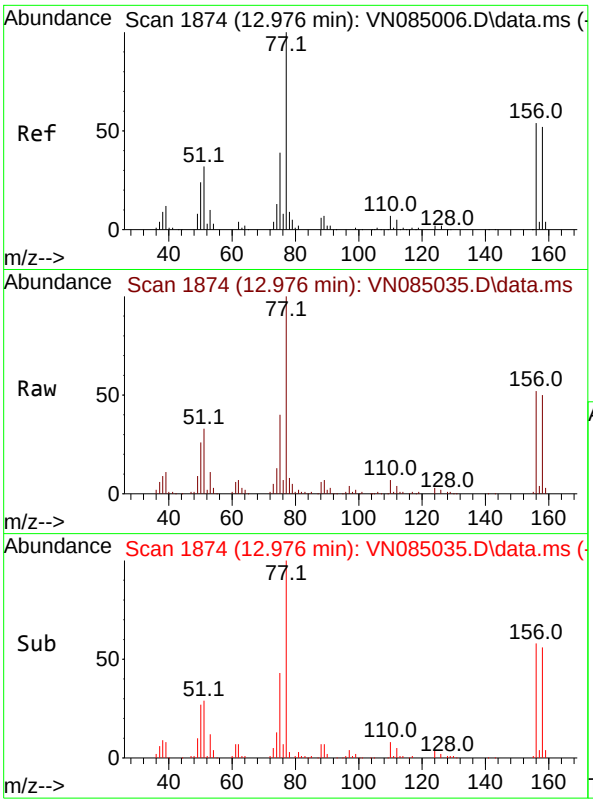


#76
1,2,3-Trichloropropane
Concen: 76.693 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 75 Resp: 170451

Ion	Ratio	Lower	Upper
75	100		
77	133.2	109.1	327.4



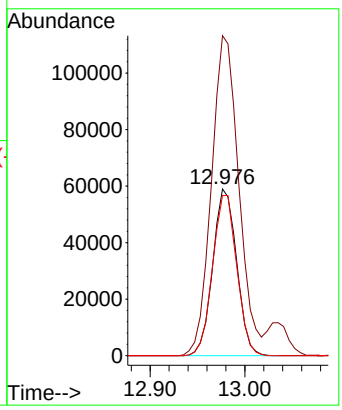


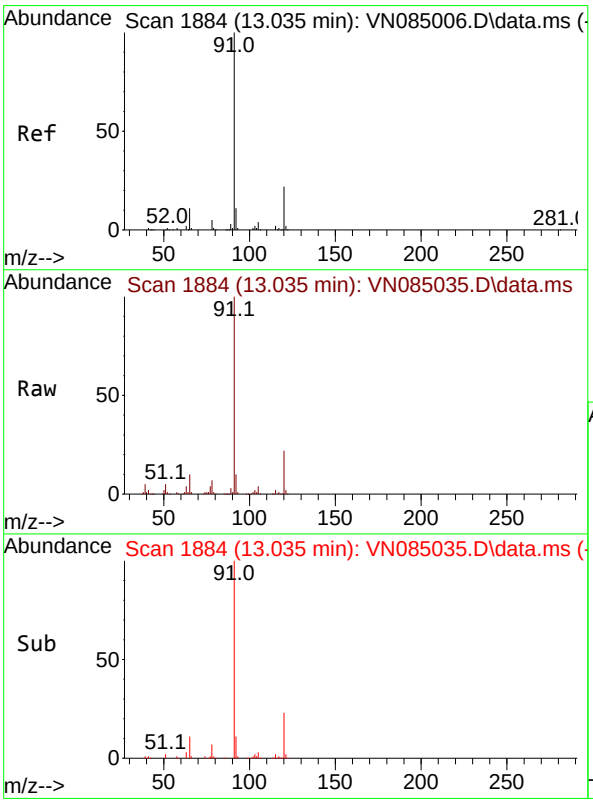
#77
Bromobenzene
Concen: 44.588 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 103430

Ion	Ratio	Lower	Upper
156	100		
77	219.6	107.2	321.6
158	97.7	48.5	145.6

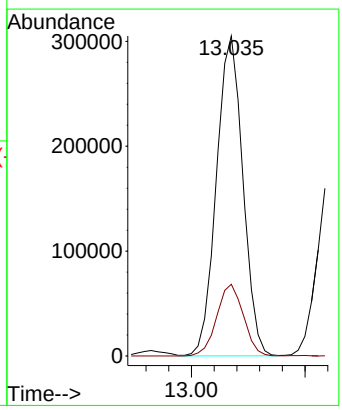


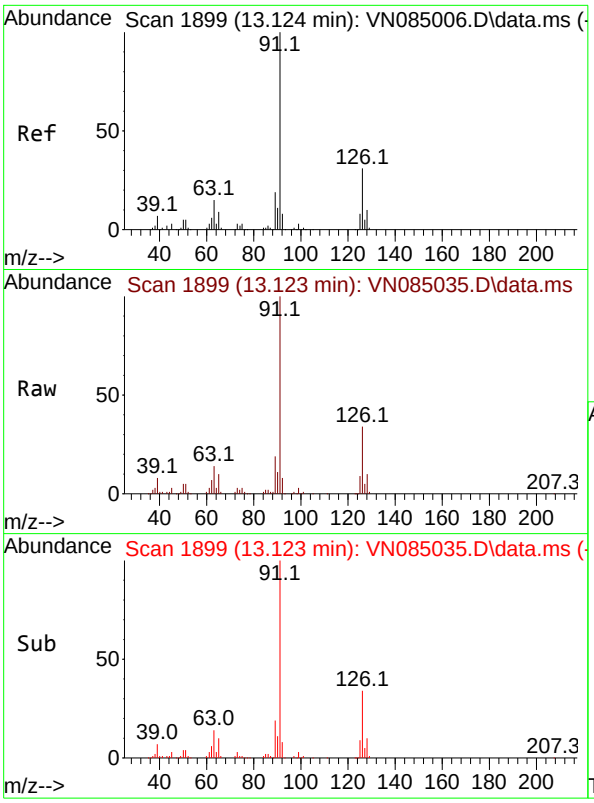


#78
n-propylbenzene
Concen: 49.646 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 91 Resp: 493597

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.9



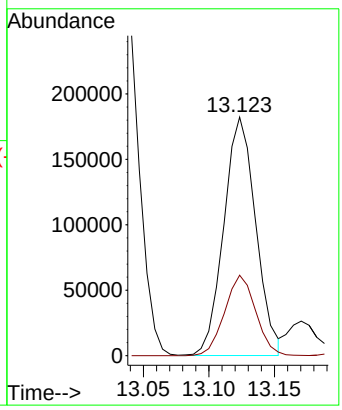


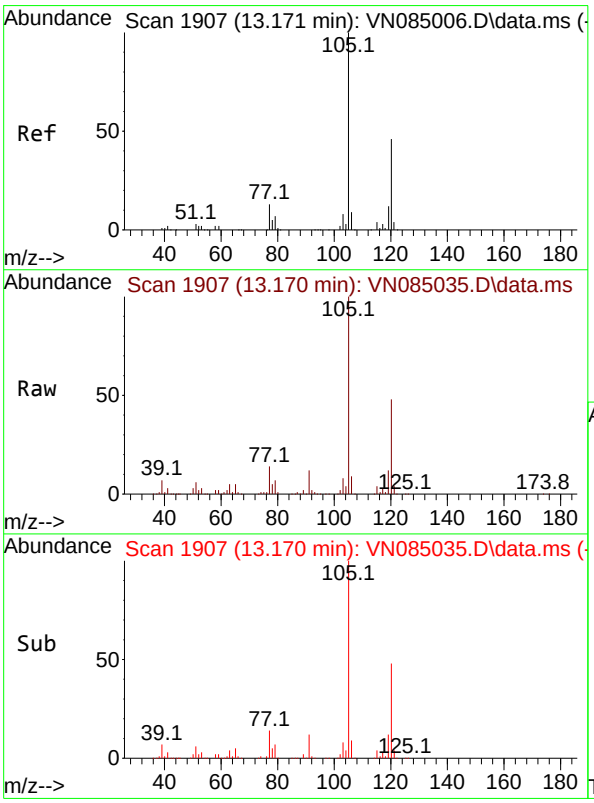
#79
2-Chlorotoluene
Concen: 46.679 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 309810

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3

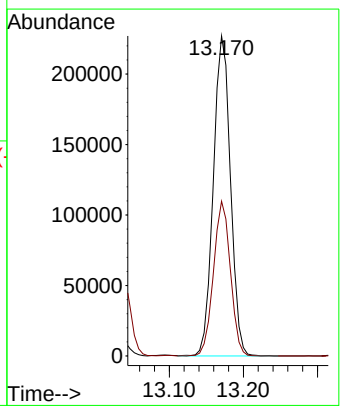


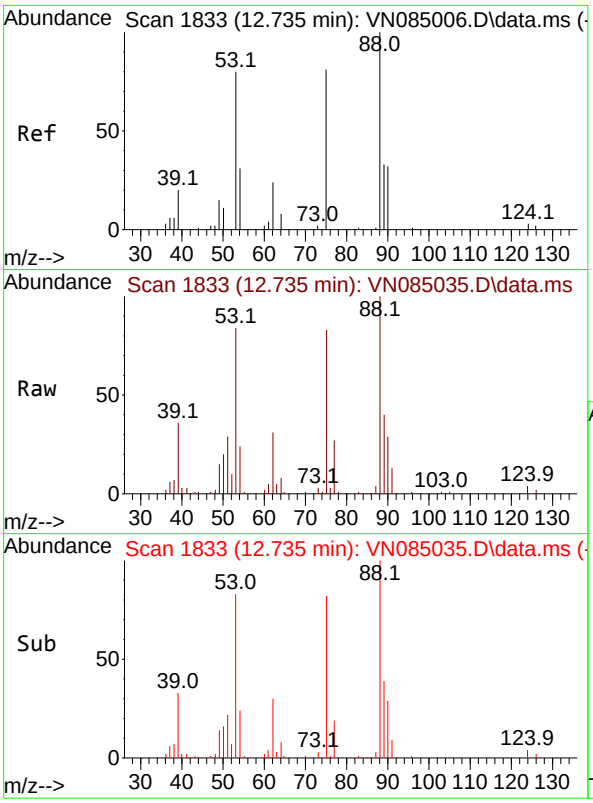


#80
1,3,5-Trimethylbenzene
Concen: 50.477 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:105 Resp: 365114

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.6	71.0



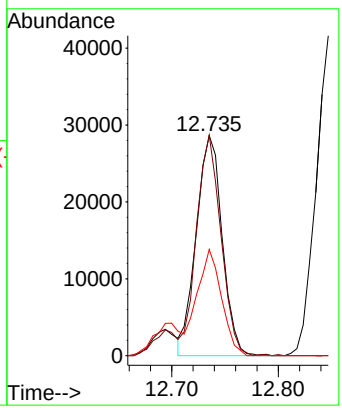


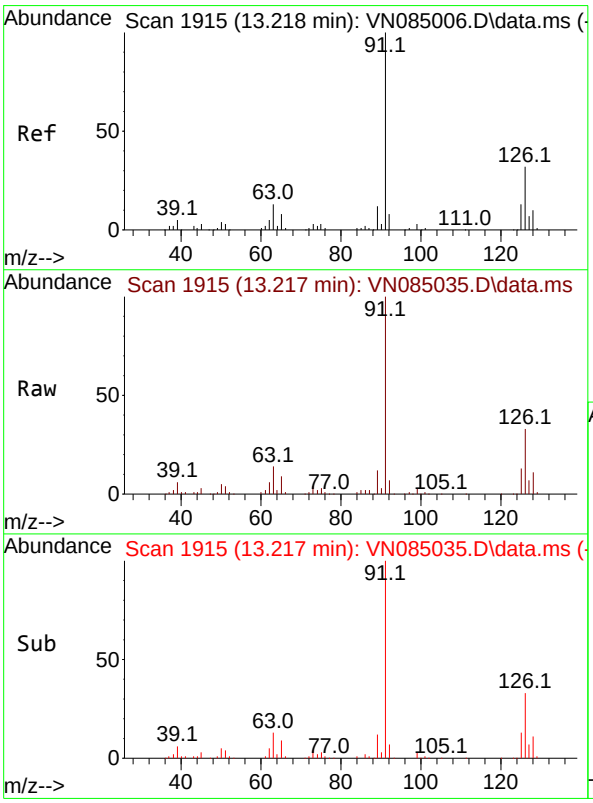
#81
trans-1,4-Dichloro-2-butene
Concen: 48.196 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 48522

Ion	Ratio	Lower	Upper
75	100		
53	93.8	78.2	117.4
89	45.3	37.9	56.9

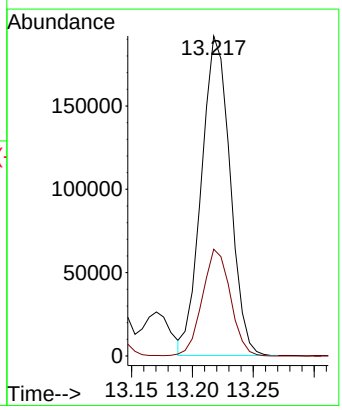


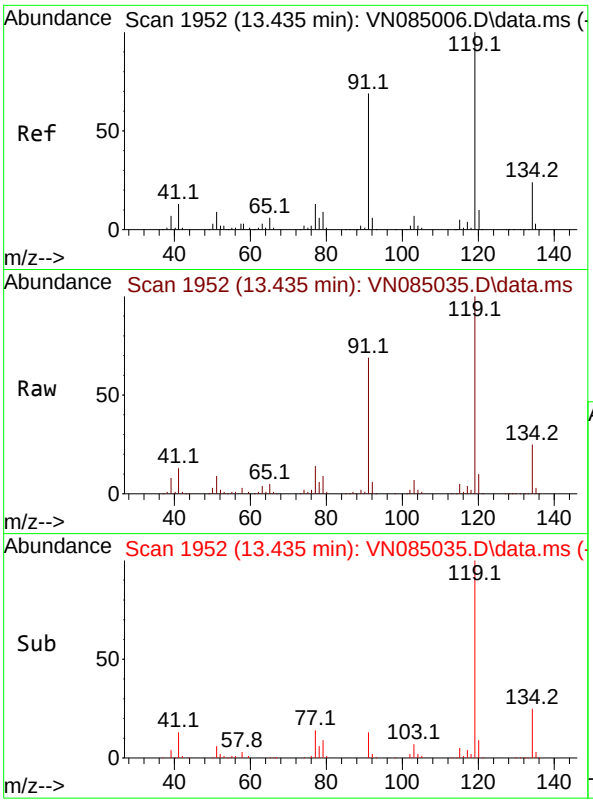


#82
4-Chlorotoluene
Concen: 45.458 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 91 Resp: 314077

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3



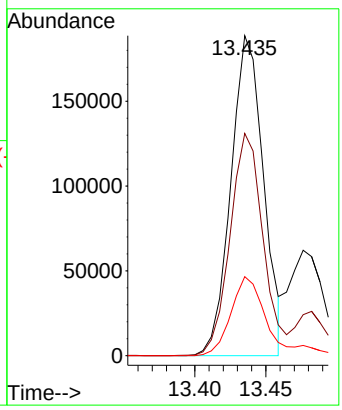


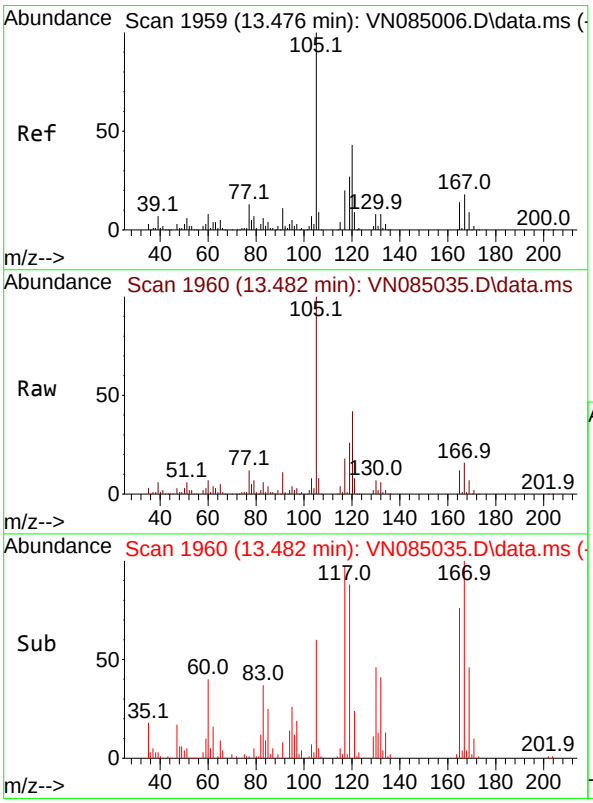
#83
tert-Butylbenzene
Concen: 48.401 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 301224

Ion	Ratio	Lower	Upper
119	100		
91	70.4	35.1	105.5
134	27.5	12.1	36.3

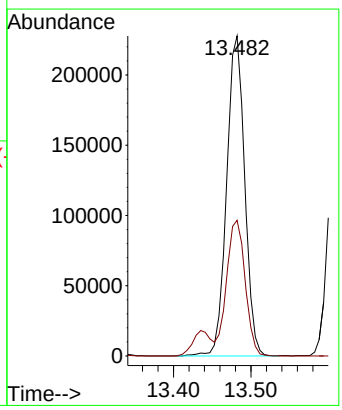


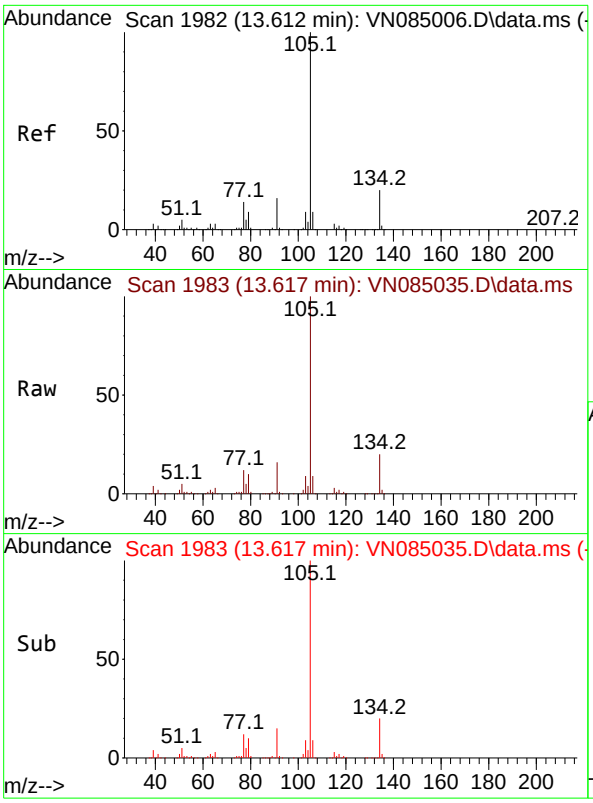


#84
1,2,4-Trimethylbenzene
Concen: 49.551 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:105 Resp: 368938

Ion	Ratio	Lower	Upper
105	100		
120	43.7	21.8	65.4



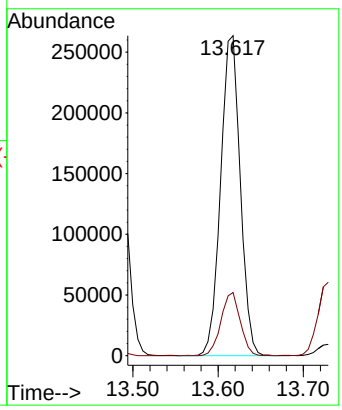


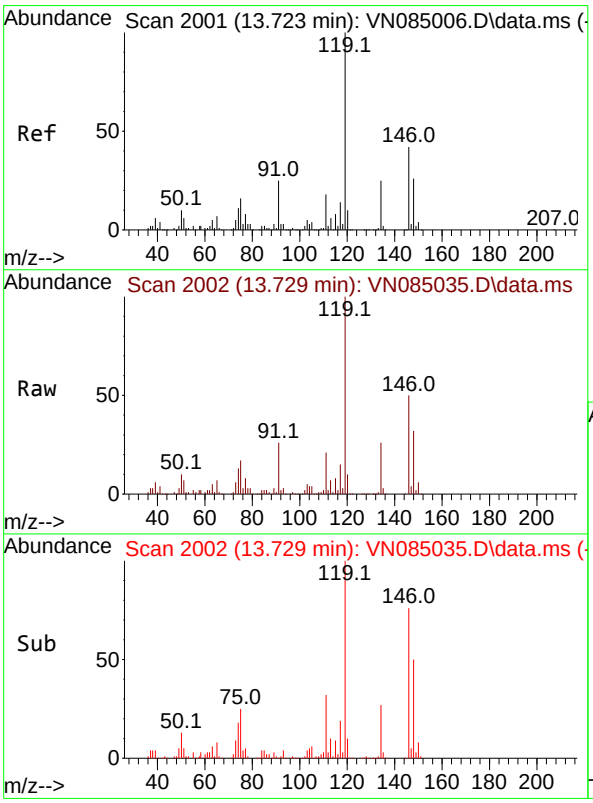
#85
sec-Butylbenzene
Concen: 50.248 ug/l
RT: 13.617 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 422441

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.3

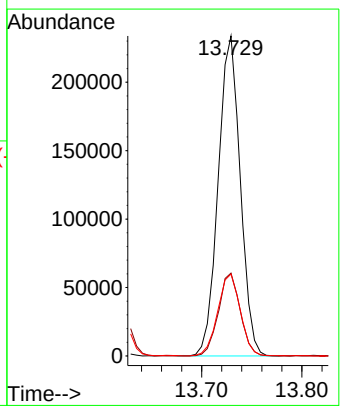


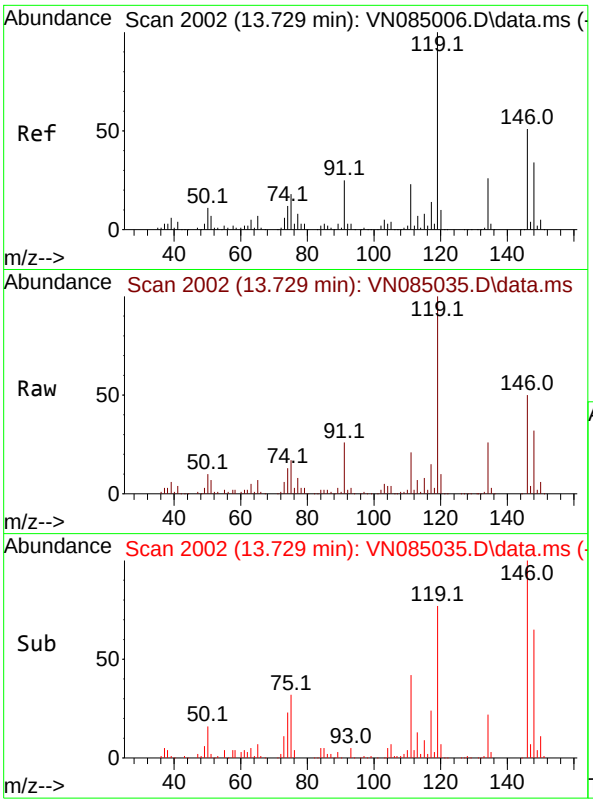


#86
p-Isopropyltoluene
Concen: 51.398 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:119 Resp: 356706

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	39.0
91	26.2	12.8	38.4



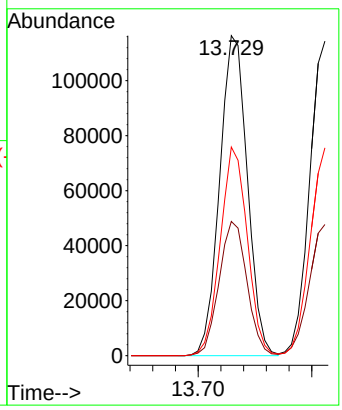


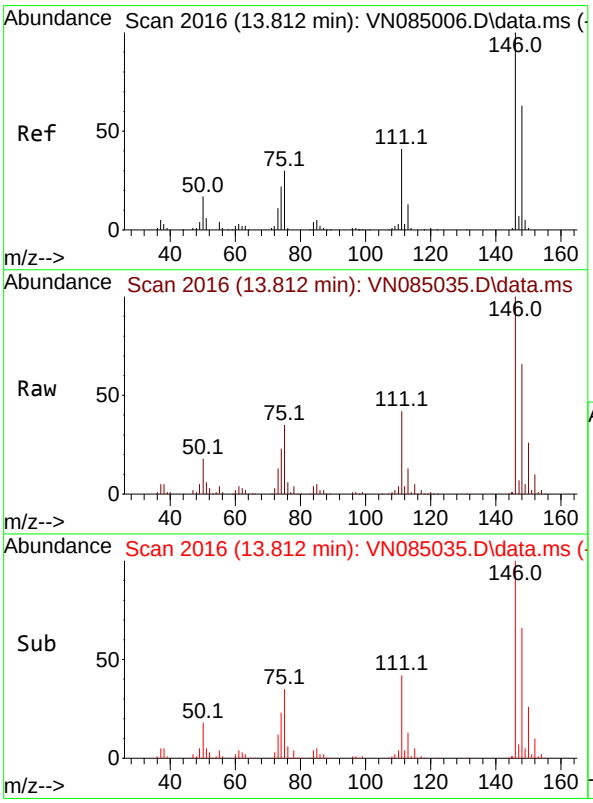
#87
1,3-Dichlorobenzene
Concen: 43.061 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 197023

Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.6	65.0
148	63.8	32.2	96.6

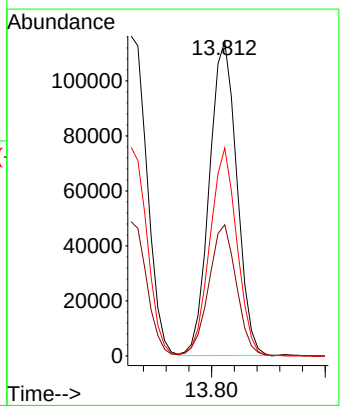


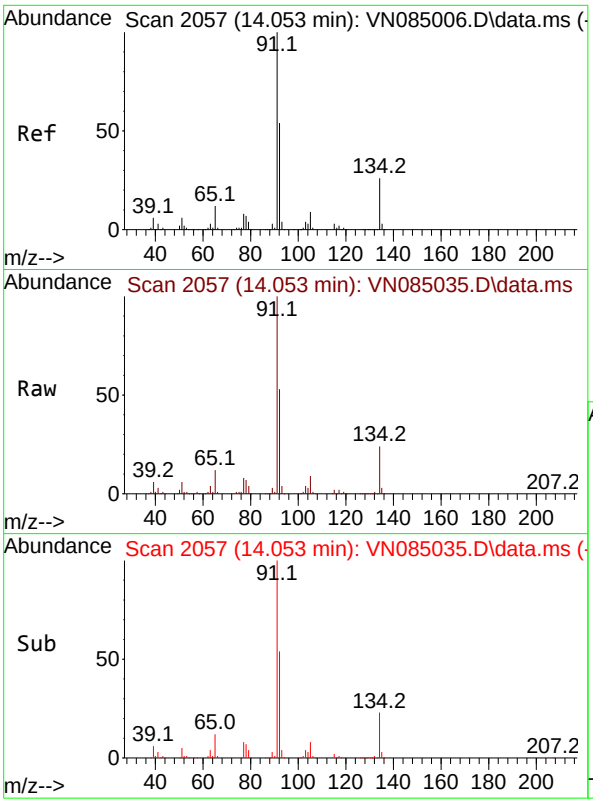


#88
1,4-Dichlorobenzene
Concen: 41.046 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:146 Resp: 191649

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.9	62.8
148	65.1	31.3	93.9



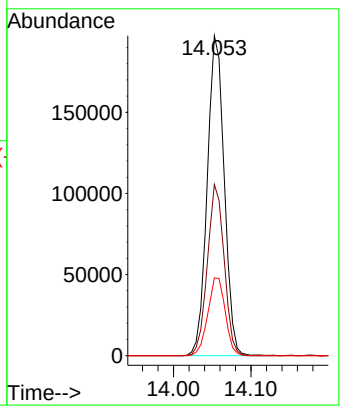


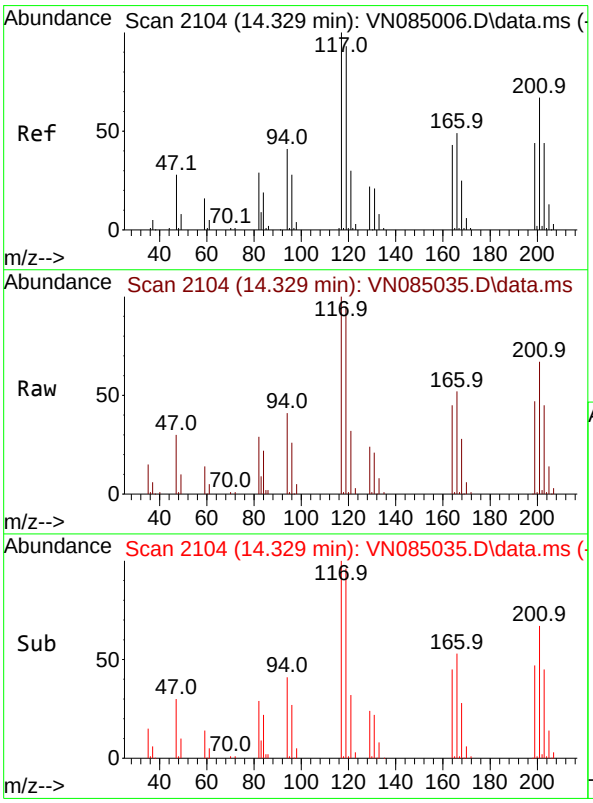
#89
n-Butylbenzene
Concen: 46.626 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 300928

Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.8	80.3
134	24.9	12.8	38.4

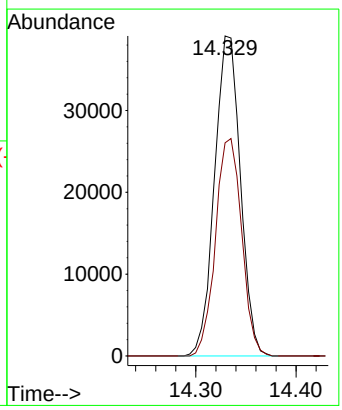


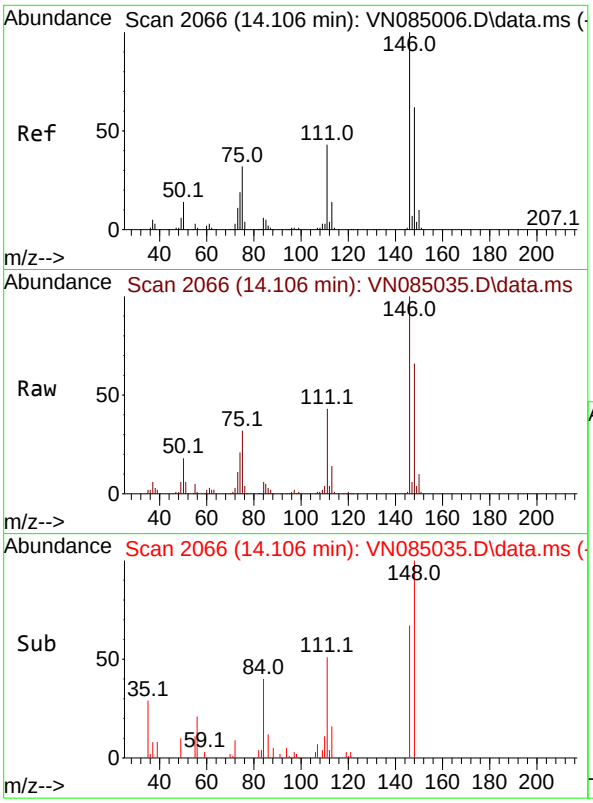


#90
Hexachloroethane
Concen: 46.355 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:117 Resp: 70124

Ion	Ratio	Lower	Upper
117	100		
201	68.6	35.2	105.6



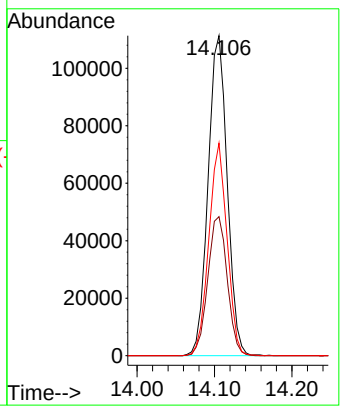


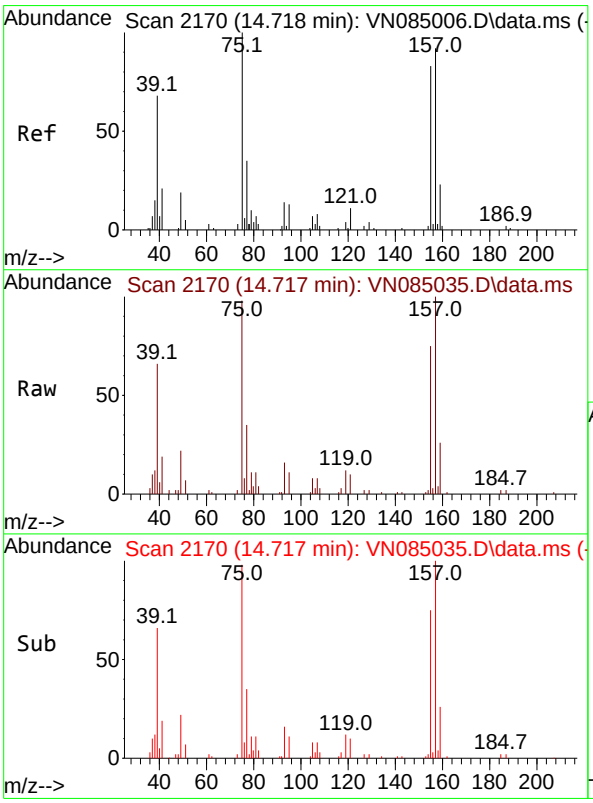
#91
1,2-Dichlorobenzene
Concen: 43.611 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 191208

Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.9	65.8
148	63.4	31.1	93.2

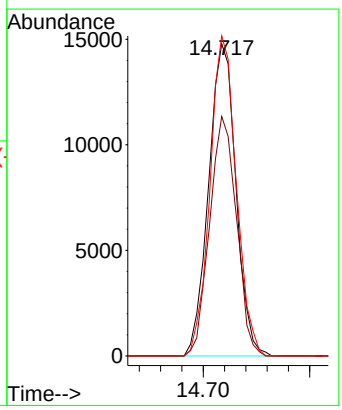


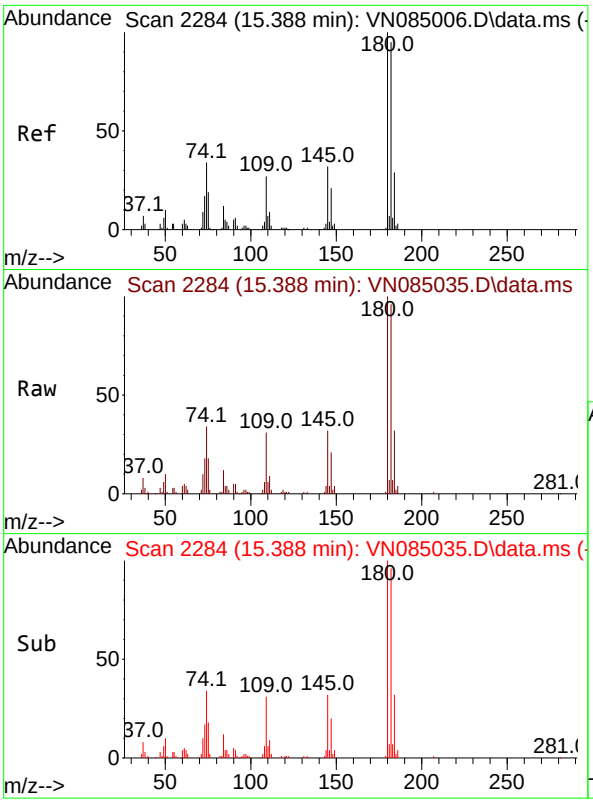


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.125 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion: 75 Resp: 26254

Ion	Ratio	Lower	Upper
75	100		
155	75.4	38.9	116.7
157	98.5	48.3	144.9



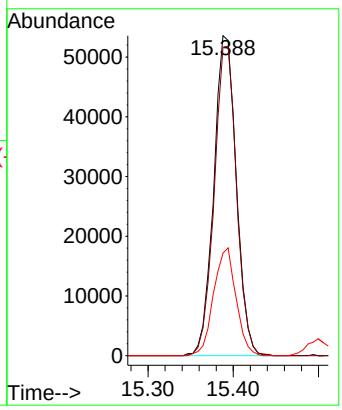


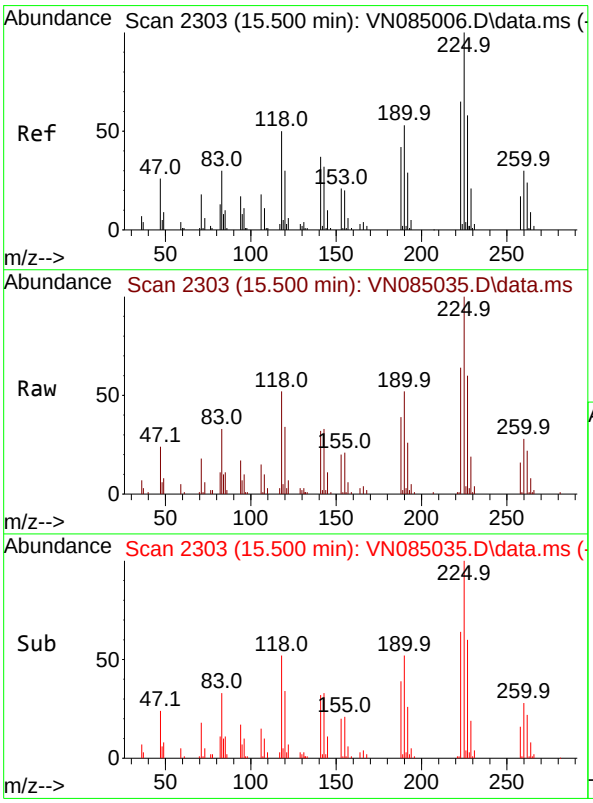
#93
1,2,4-Trichlorobenzene
Concen: 41.373 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 98547

Ion	Ratio	Lower	Upper
180	100		
182	95.8	46.9	140.8
145	33.5	16.3	48.8

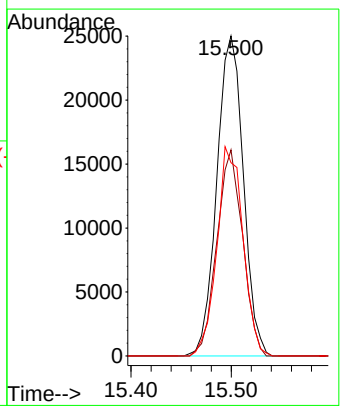


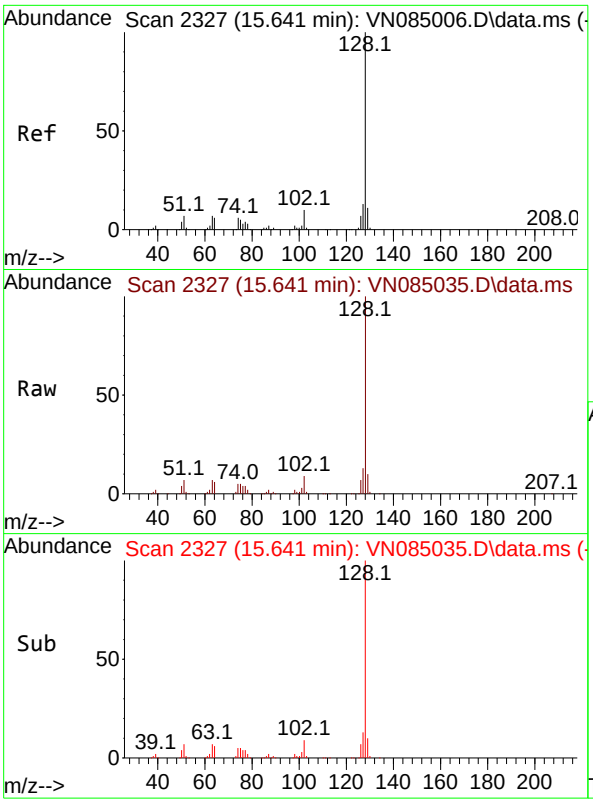


#94
Hexachlorobutadiene
Concen: 41.852 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:225 Resp: 46007

Ion	Ratio	Lower	Upper
225	100		
223	62.7	30.9	92.8
227	64.1	31.5	94.5



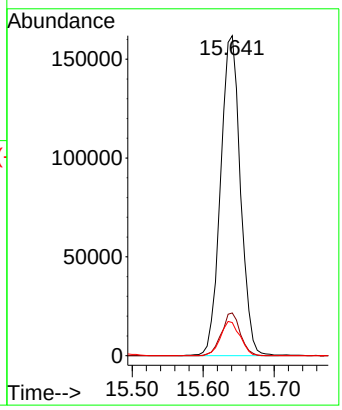


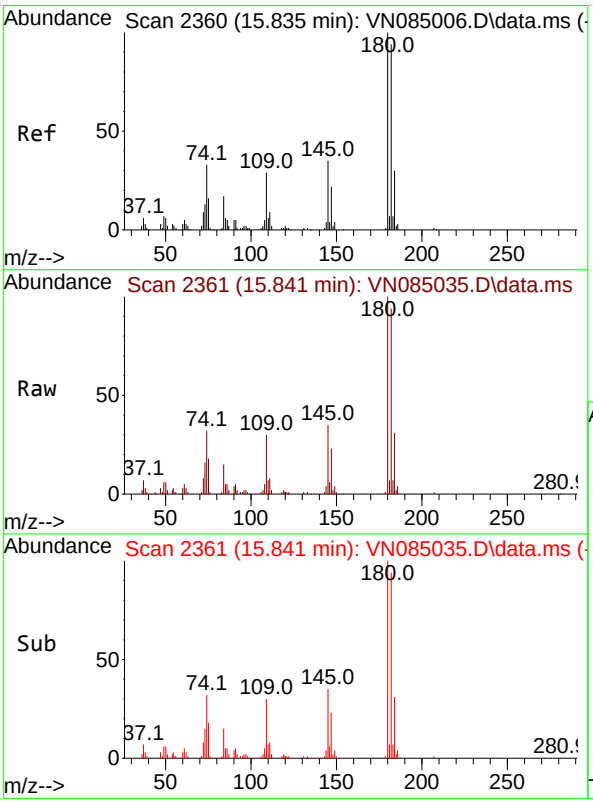
#95
Naphthalene
Concen: 46.305 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 314130

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.6	16.0
129	10.5	8.6	12.8

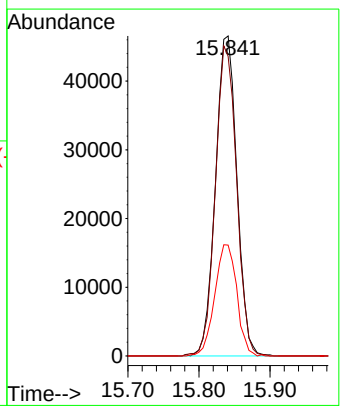




#96
1,2,3-Trichlorobenzene
Concen: 42.865 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085035.D
Acq: 26 Nov 2024 10:47

Tgt Ion:180 Resp: 97421

Ion	Ratio	Lower	Upper
180	100		
182	96.0	46.4	139.2
145	35.8	17.3	52.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085039.D
Acq On : 26 Nov 2024 13:44
Operator : JC\MD
Sample : VN1126WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Quant Time: Nov 27 05:11:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	142767	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	244329	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	216462	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	108208	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.577	65	111008	54.587	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.180%				
35) Dibromofluoromethane	8.159	113	86701	52.620	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.240%				
50) Toluene-d8	10.565	98	299913	50.791	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.580%				
62) 4-Bromofluorobenzene	12.847	95	112610	50.996	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.000%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	26628	16.495	ug/l		99
3) Chloromethane	2.359	50	32238	17.218	ug/l		95
4) Vinyl Chloride	2.512	62	28759	17.092	ug/l		98
5) Bromomethane	2.901	94	16682	17.688	ug/l		92
6) Chloroethane	3.077	64	19118	16.857	ug/l		93
7) Trichlorofluoromethane	3.471	101	50800	17.748	ug/l		99
8) Diethyl Ether	3.953	74	20073	20.604	ug/l		99
9) 1,1,2-Trichlorotrifluo...	4.359	101	29219	17.998	ug/l		99
10) Methyl Iodide	4.577	142	40741	18.959	ug/l		91
11) Tert butyl alcohol	5.536	59	33369	122.791	ug/l		97
12) 1,1-Dichloroethene	4.324	96	26695	17.617	ug/l		90
13) Acrolein	4.177	56	23288	128.426	ug/l		95
14) Allyl chloride	5.006	41	48066	18.816	ug/l		95
15) Acrylonitrile	5.718	53	85896	111.643	ug/l		99
16) Acetone	4.430	43	71066	119.990	ug/l		98
17) Carbon Disulfide	4.700	76	69093	15.448	ug/l	#	95
18) Methyl Acetate	5.024	43	45138	23.230	ug/l		96
19) Methyl tert-butyl Ether	5.789	73	103958	20.997	ug/l		100
20) Methylene Chloride	5.259	84	34836	19.275	ug/l		94
21) trans-1,2-Dichloroethene	5.777	96	29026	18.202	ug/l		95
22) Diisopropyl ether	6.671	45	105988	20.615	ug/l		94
23) Vinyl Acetate	6.600	43	385417	108.662	ug/l		98
24) 1,1-Dichloroethane	6.571	63	60068	19.523	ug/l	#	97
25) 2-Butanone	7.483	43	109592	113.179	ug/l		99
26) 2,2-Dichloropropane	7.488	77	50027	17.413	ug/l		100
27) cis-1,2-Dichloroethene	7.483	96	36668	19.074	ug/l		97
28) Bromochloromethane	7.806	49	26171	22.534	ug/l		96
29) Tetrahydrofuran	7.841	42	70821	117.612	ug/l		98
30) Chloroform	7.965	83	62809	19.191	ug/l		99
31) Cyclohexane	8.253	56	43980	16.235	ug/l		96
32) 1,1,1-Trichloroethane	8.159	97	54399	18.394	ug/l		96
36) 1,1-Dichloropropene	8.365	75	38171	17.104	ug/l		100
37) Ethyl Acetate	7.559	43	46501	22.919	ug/l		98
38) Carbon Tetrachloride	8.359	117	46812	18.172	ug/l		89
39) Methylcyclohexane	9.600	83	39091	16.856	ug/l		97
40) Benzene	8.600	78	133991	18.983	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085039.D
Acq On : 26 Nov 2024 13:44
Operator : JC\MD
Sample : VN1126WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Quant Time: Nov 27 05:11:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	25167	22.403	ug/l		97
42) 1,2-Dichloroethane	8.671	62	47916	19.842	ug/l		99
43) Isopropyl Acetate	8.688	43	77282	18.338	ug/l		99
44) Trichloroethene	9.347	130	28985	17.670	ug/l		100
45) 1,2-Dichloropropane	9.618	63	33039	19.004	ug/l		92
46) Dibromomethane	9.706	93	24823	20.548	ug/l		98
47) Bromodichloromethane	9.882	83	48958	19.121	ug/l		98
48) Methyl methacrylate	9.677	41	34837	22.214	ug/l		96
49) 1,4-Dioxane	9.694	88	12792	470.352	ug/l	#	89
51) 4-Methyl-2-Pentanone	10.447	43	230100	119.536	ug/l		100
52) Toluene	10.624	92	80747	19.323	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	48956	19.072	ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	53126	19.508	ug/l		96
55) 1,1,2-Trichloroethane	11.012	97	32843	21.101	ug/l		98
56) Ethyl methacrylate	10.871	69	49255	21.656	ug/l		96
57) 1,3-Dichloropropane	11.159	76	56174	20.506	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	110215	98.790	ug/l		100
59) 2-Hexanone	11.194	43	169501	117.736	ug/l		97
60) Dibromochloromethane	11.359	129	38306	20.137	ug/l		97
61) 1,2-Dibromoethane	11.471	107	33207	20.615	ug/l		100
64) Tetrachloroethene	11.100	164	25046	17.171	ug/l		93
65) Chlorobenzene	11.894	112	87409	17.805	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	32401	18.746	ug/l		98
67) Ethyl Benzene	11.965	91	140498	17.641	ug/l		100
68) m/p-Xylenes	12.070	106	109412	36.083	ug/l		99
69) o-Xylene	12.400	106	54502	18.896	ug/l		98
70) Styrene	12.412	104	91816	19.142	ug/l		99
71) Bromoform	12.576	173	26805	20.893	ug/l	#	99
73) Isopropylbenzene	12.694	105	132755	17.391	ug/l		100
74) N-amyl acetate	12.494	43	62970	20.018	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	50599	19.411	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	63190	32.105	ug/l		45
77) Bromobenzene	12.982	156	36132	17.589	ug/l		93
78) n-propylbenzene	13.035	91	155410	17.651	ug/l		99
79) 2-Chlorotoluene	13.123	91	104984	17.862	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	119023	18.581	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.735	75	16680	18.708	ug/l		99
82) 4-Chlorotoluene	13.223	91	104480	17.076	ug/l		99
83) tert-Butylbenzene	13.441	119	98995	17.962	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	119771	18.164	ug/l		98
85) sec-Butylbenzene	13.617	105	131666	17.684	ug/l		99
86) p-Isopropyltoluene	13.729	119	108682	17.683	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	66961	16.526	ug/l		97
88) 1,4-Dichlorobenzene	13.812	146	65064	15.735	ug/l		97
89) n-Butylbenzene	14.053	91	89788	15.709	ug/l		98
90) Hexachloroethane	14.335	117	22324	16.664	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	65426	16.851	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	9392	18.632	ug/l		97
93) 1,2,4-Trichlorobenzene	15.394	180	31113	14.750	ug/l		99
94) Hexachlorobutadiene	15.500	225	14791	15.194	ug/l		97
95) Naphthalene	15.641	128	98698	16.428	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	31849	15.824	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085039.D
Acq On : 26 Nov 2024 13:44
Operator : JC\MD
Sample : VN1126WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Quant Time: Nov 27 05:11:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

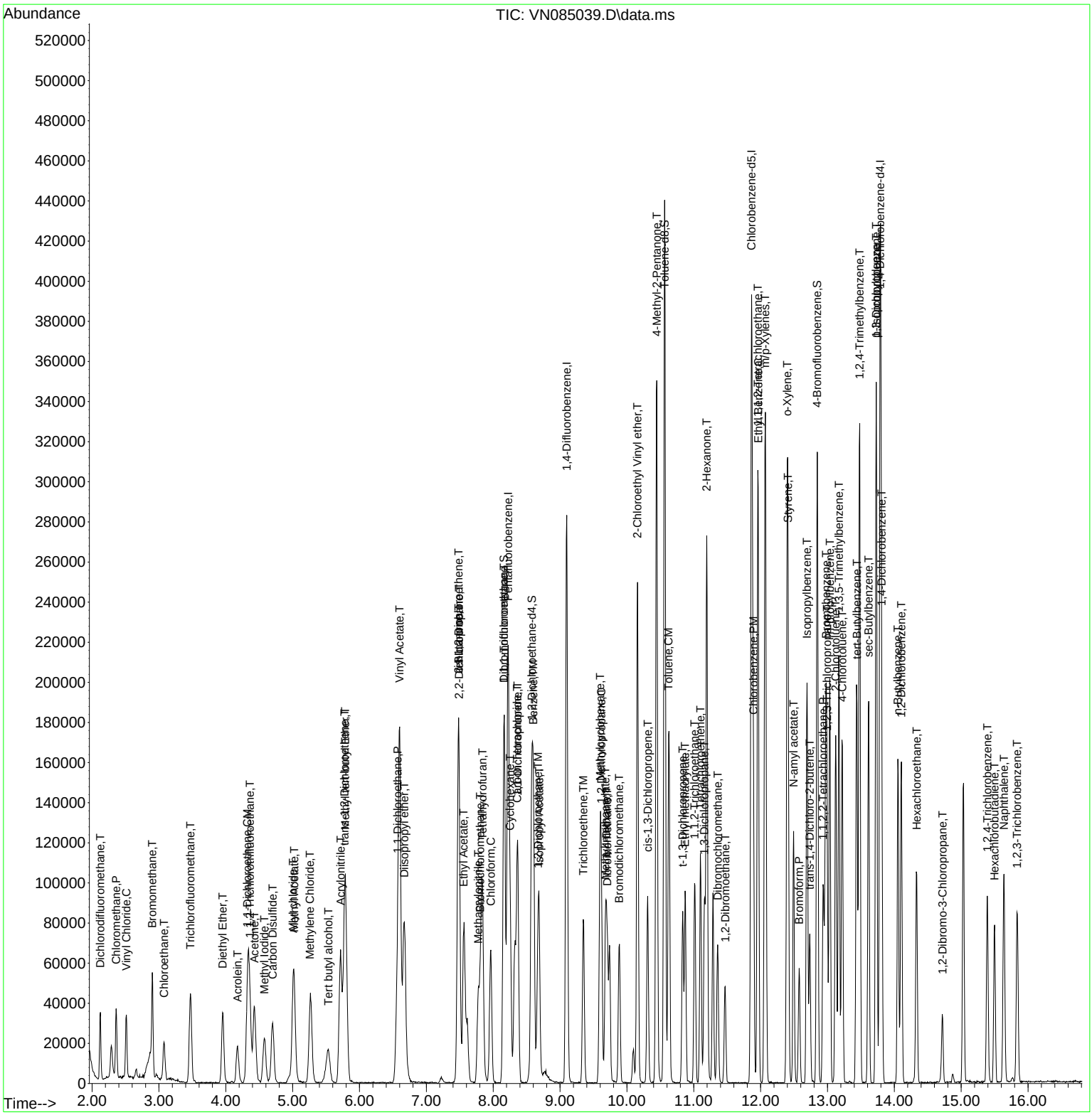
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

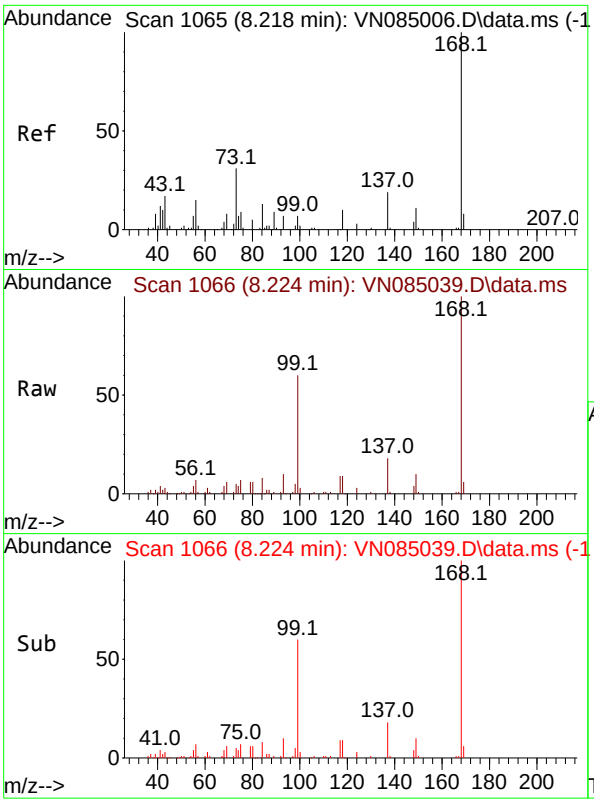
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085039.D
Acq On : 26 Nov 2024 13:44
Operator : JC\MD
Sample : VN1126WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Quant Time: Nov 27 05:11:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



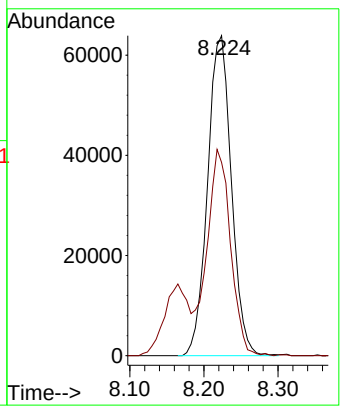


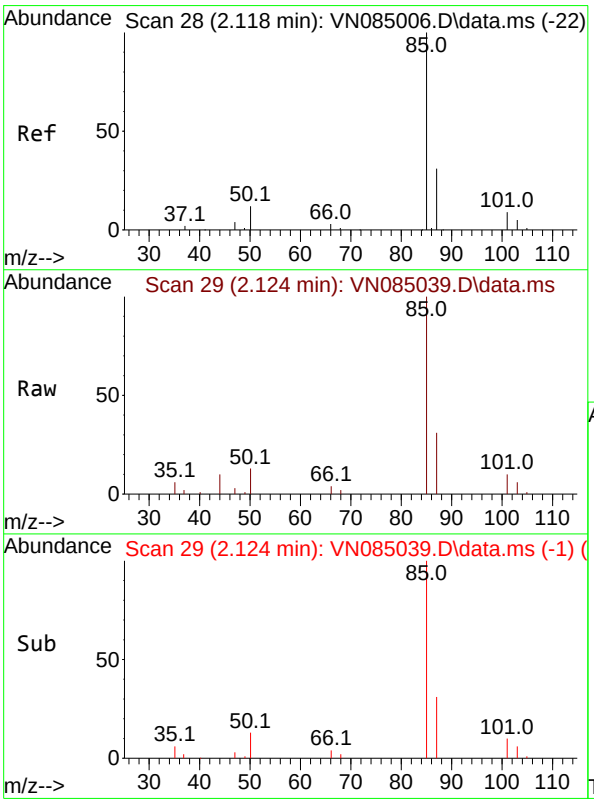
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion:168 Resp: 142767

Ion	Ratio	Lower	Upper
168	100		
99	60.1	51.2	76.8

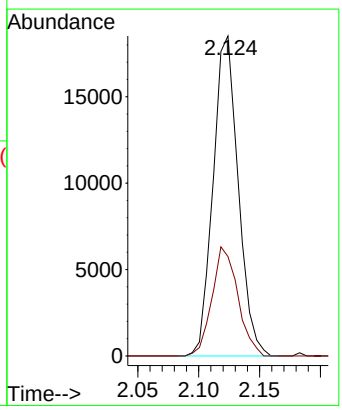


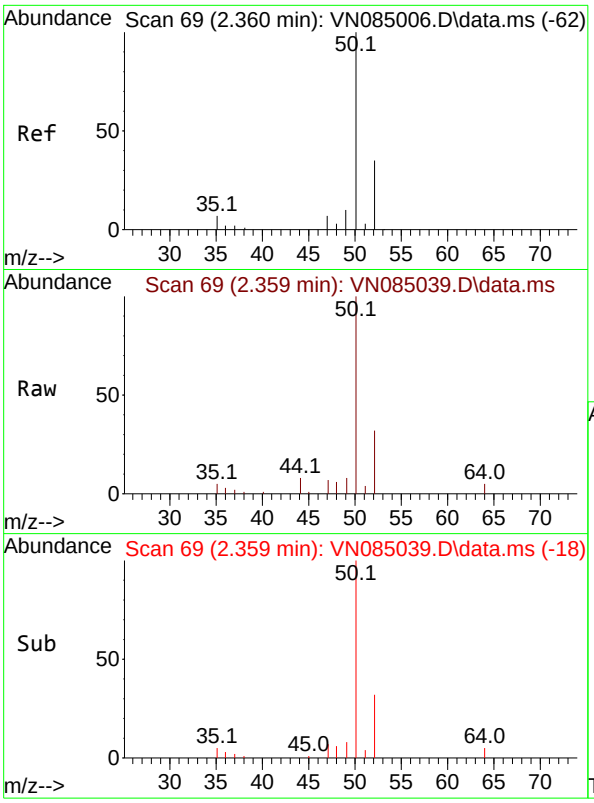


#2
Dichlorodifluoromethane
Concen: 16.495 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 85 Resp: 26628

Ion	Ratio	Lower	Upper
85	100		
87	31.1	15.7	47.1



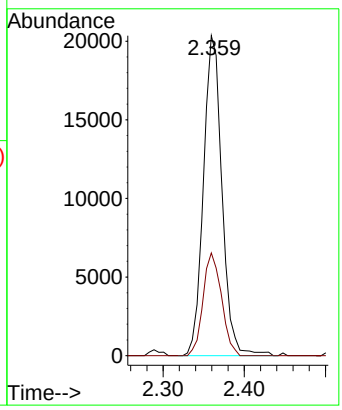


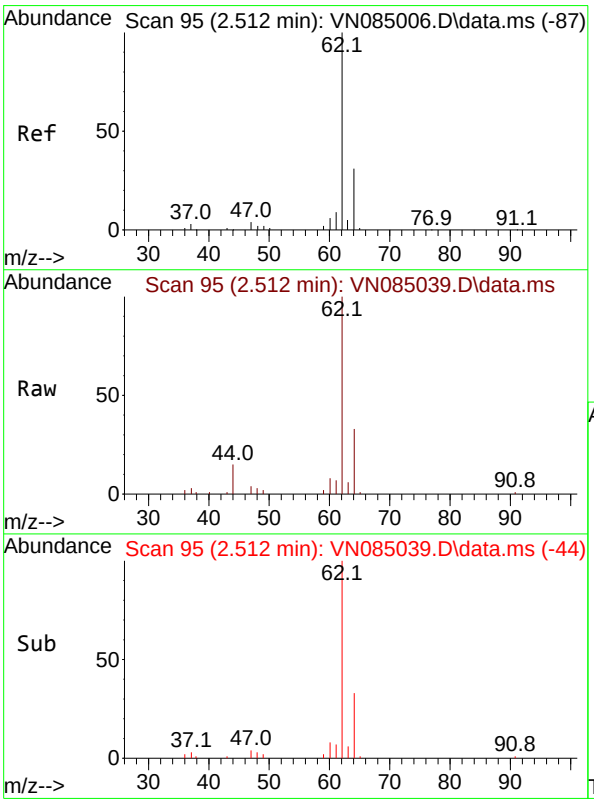
#3
Chloromethane
Concen: 17.218 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion: 50 Resp: 32238

Ion	Ratio	Lower	Upper
50	100		
52	32.1	27.8	41.8

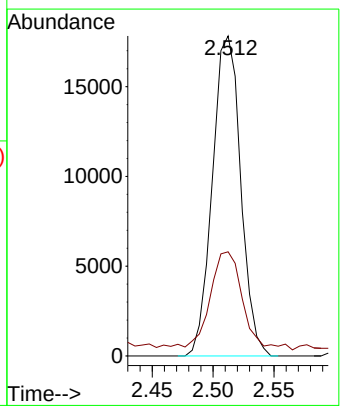


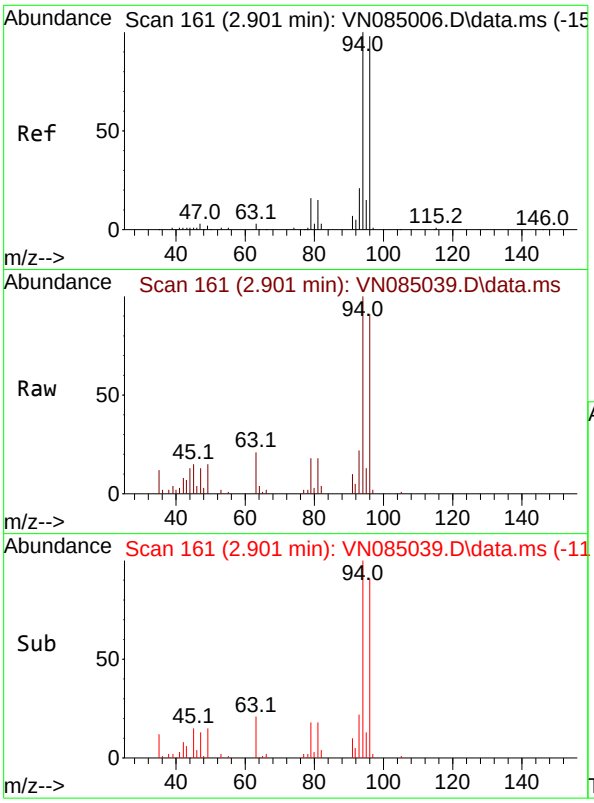


#4
Vinyl Chloride
Concen: 17.092 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 62 Resp: 28759

Ion	Ratio	Lower	Upper
62	100		
64	29.5	24.6	36.8



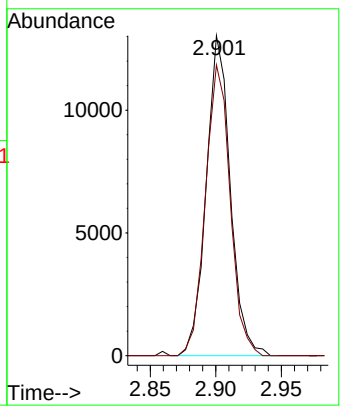


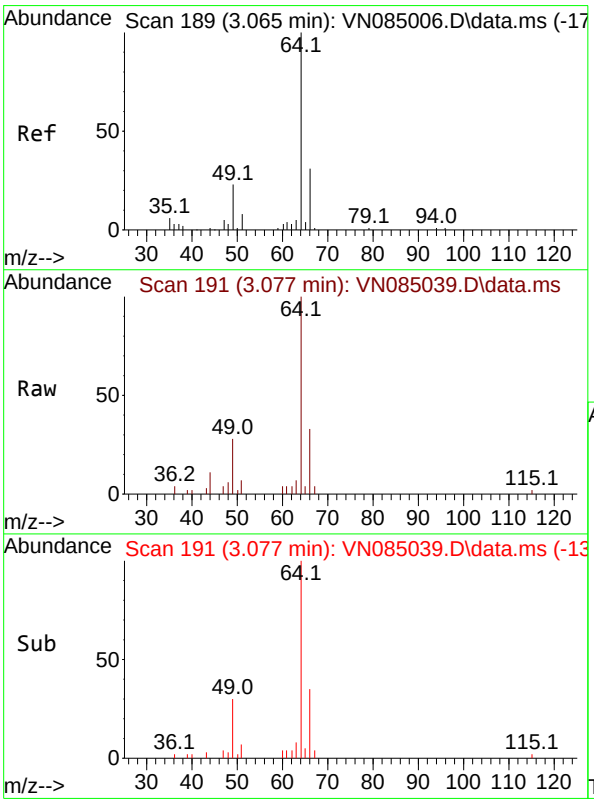
#5
Bromomethane
Concen: 17.688 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion: 94 Resp: 16682

Ion	Ratio	Lower	Upper
94	100		
96	90.8	78.7	118.1

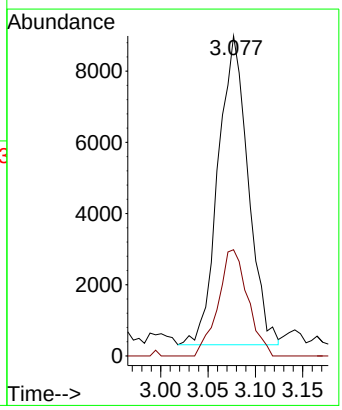


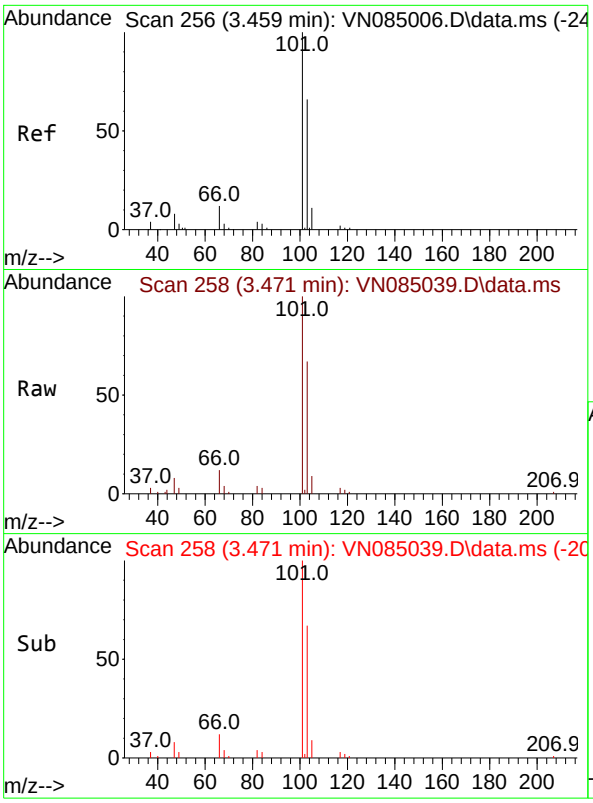


#6
Chloroethane
Concen: 16.857 ug/l
RT: 3.077 min Scan# 191
Delta R.T. 0.012 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 64 Resp: 19118

Ion	Ratio	Lower	Upper
64	100		
66	34.4	24.4	36.6



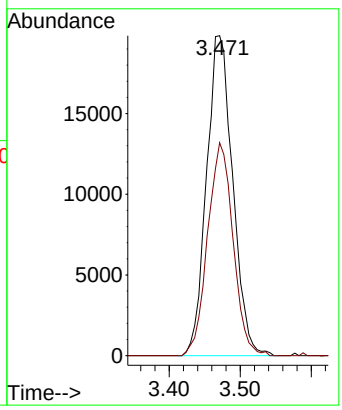


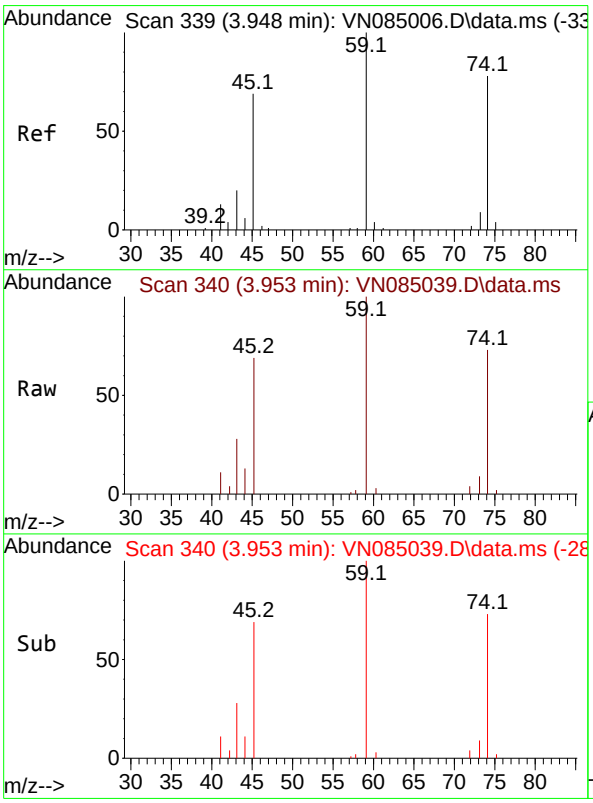
#7
Trichlorofluoromethane
Concen: 17.748 ug/l
RT: 3.471 min Scan# 2
Delta R.T. 0.012 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion:101 Resp: 50800

Ion	Ratio	Lower	Upper
101	100		
103	66.6	52.6	78.8

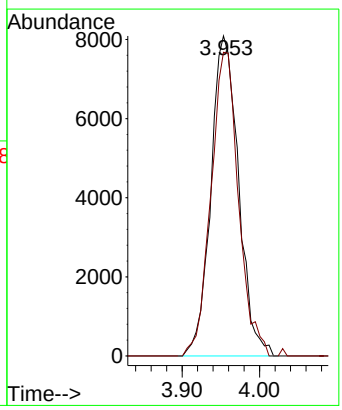


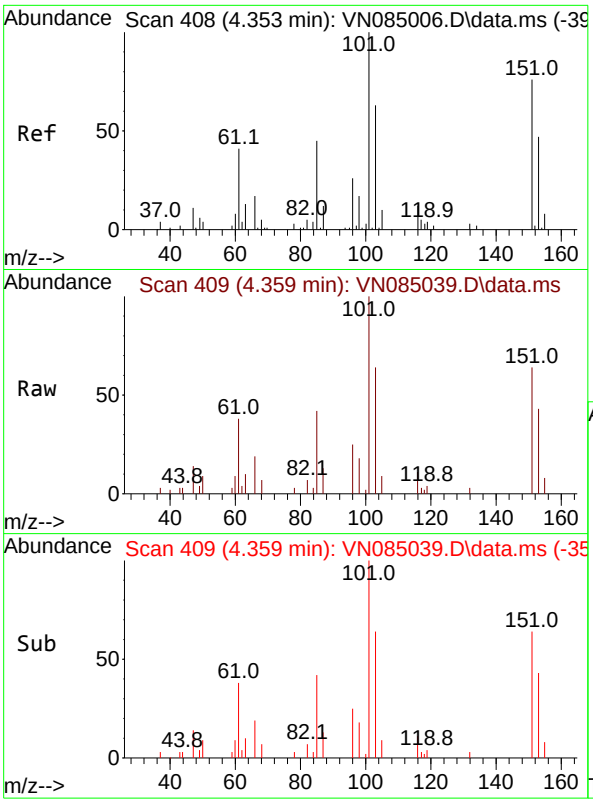


#8
Diethyl Ether
Concen: 20.604 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 74 Resp: 20073

Ion	Ratio	Lower	Upper
74	100		
45	94.8	46.7	140.1



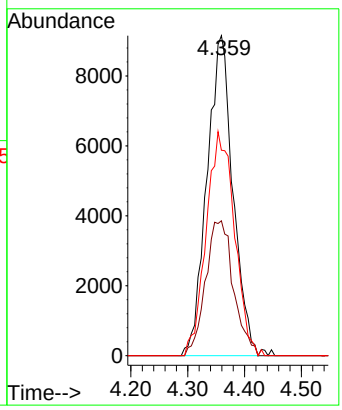


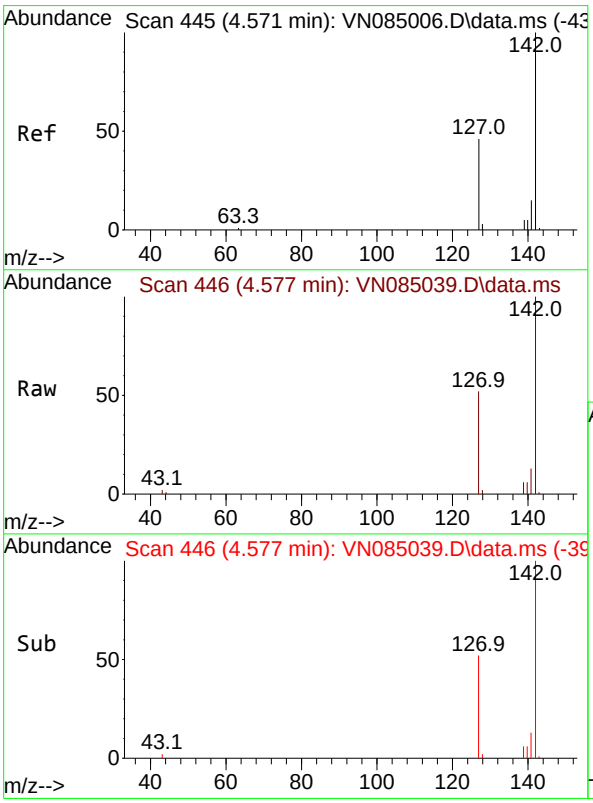
#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.998 ug/l
RT: 4.359 min Scan# 4(
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion:101 Resp: 29219

Ion	Ratio	Lower	Upper
101	100		
85	44.9	36.9	55.3
151	75.7	60.8	91.2

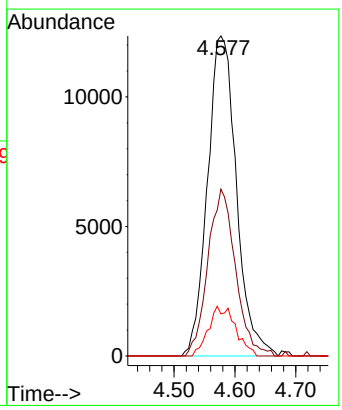


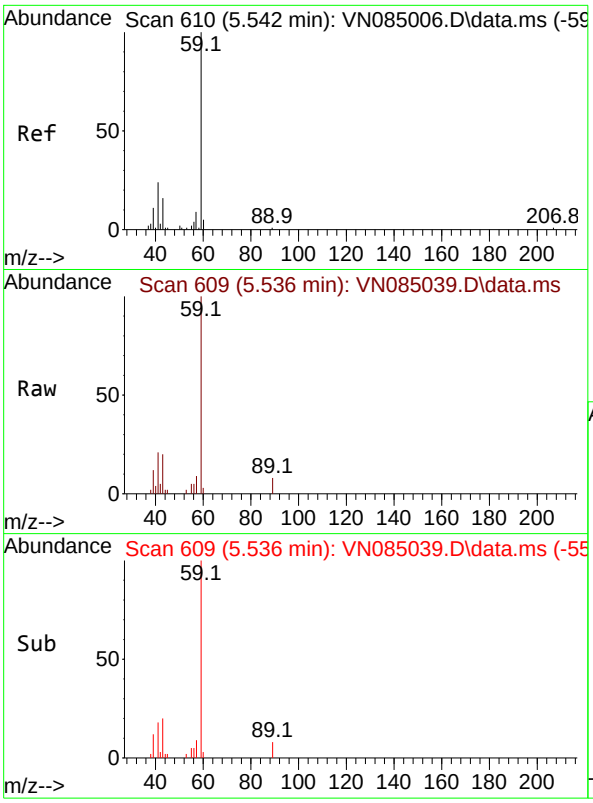


#10
Methyl Iodide
Concen: 18.959 ug/l
RT: 4.577 min Scan# 446
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:142 Resp: 40741

Ion	Ratio	Lower	Upper
142	100		
127	52.1	36.6	54.8
141	13.1	12.2	18.4



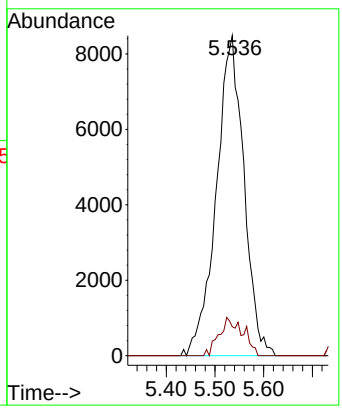


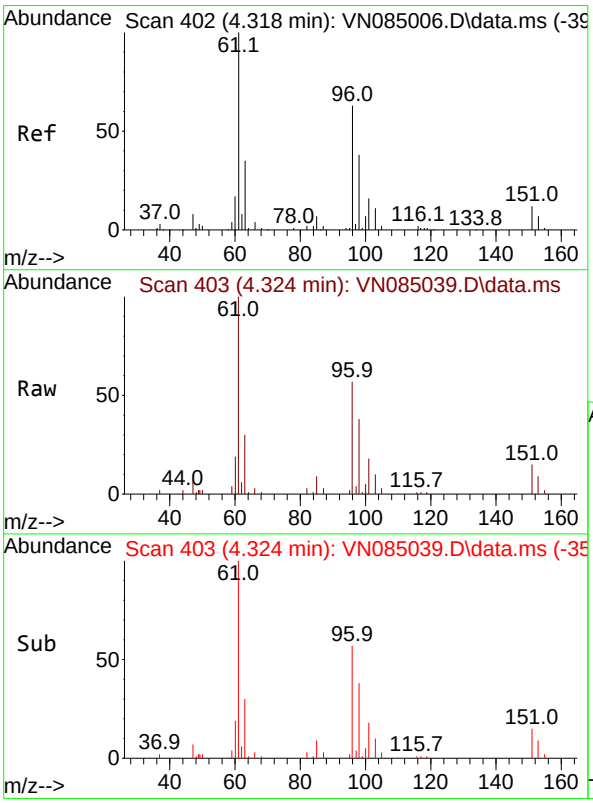
#11
Tert butyl alcohol
Concen: 122.791 ug/l
RT: 5.536 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion: 59 Resp: 33369

Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.4	11.0

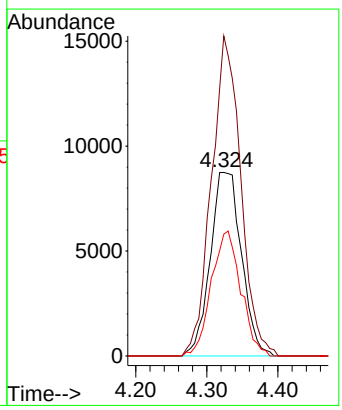


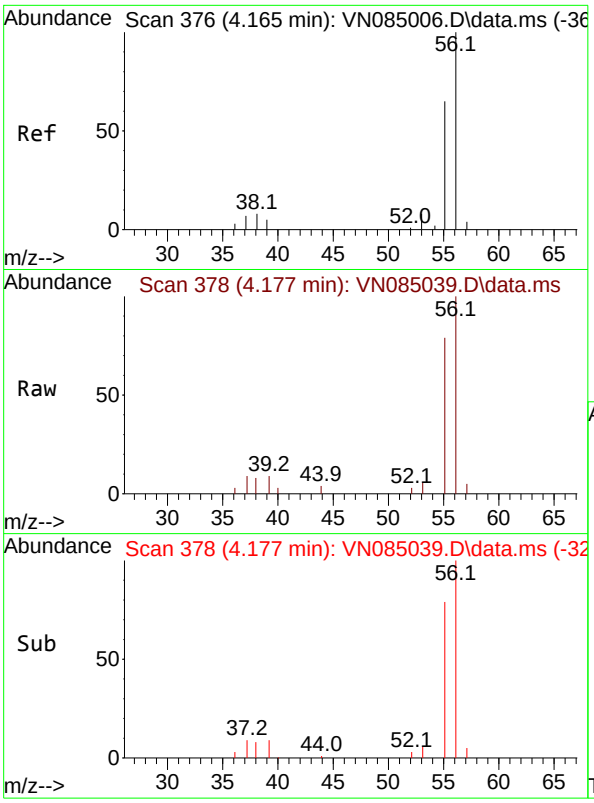


#12
1,1-Dichloroethene
Concen: 17.617 ug/l
RT: 4.324 min Scan# 403
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 96 Resp: 26695

Ion	Ratio	Lower	Upper
96	100		
61	174.4	127.8	191.8
98	66.4	49.2	73.8



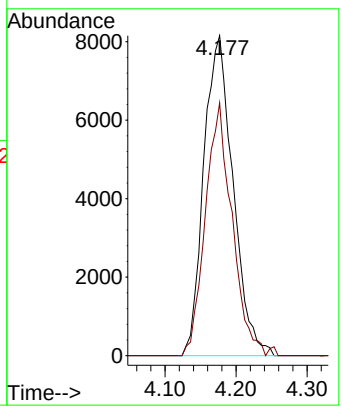


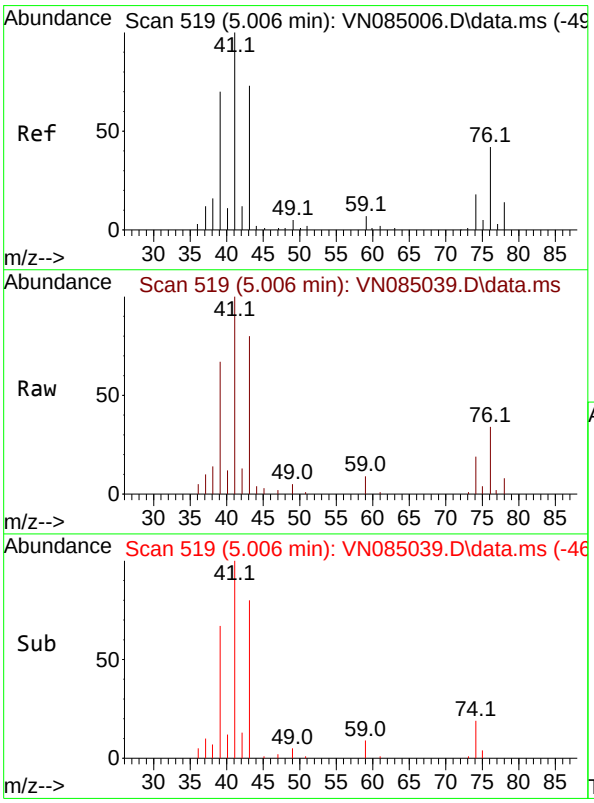
#13
Acrolein
Concen: 128.426 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.012 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion: 56 Resp: 23288

Ion	Ratio	Lower	Upper
56	100		
55	72.1	54.5	81.7

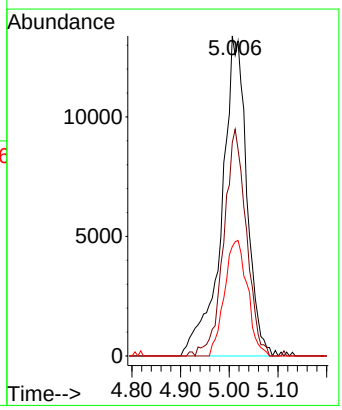


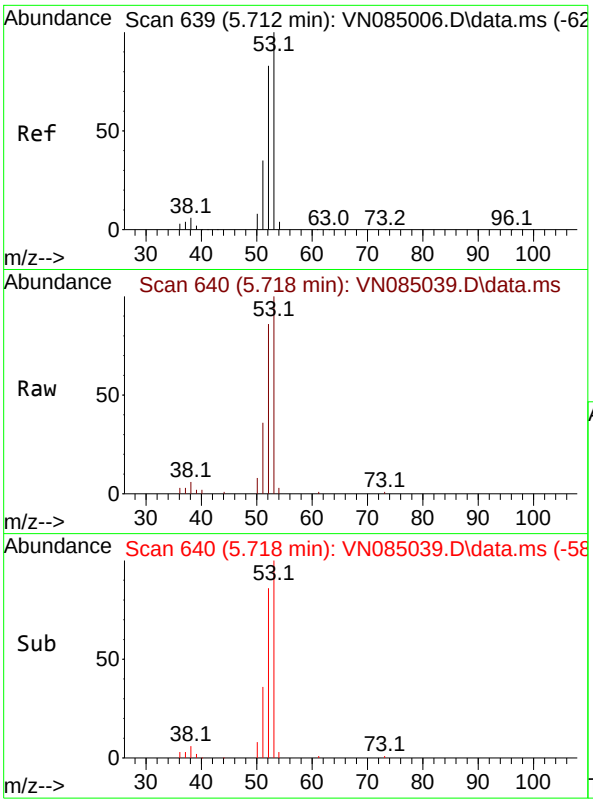


#14
Allyl chloride
Concen: 18.816 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 41 Resp: 48066

Ion	Ratio	Lower	Upper
41	100		
39	63.6	53.8	80.8
76	32.9	29.3	43.9



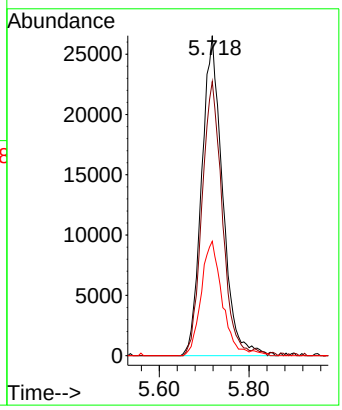


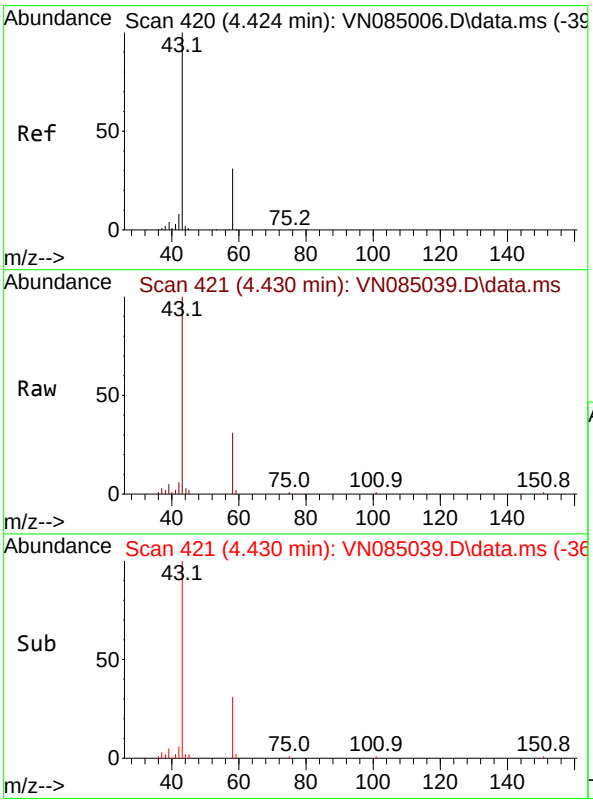
#15
Acrylonitrile
Concen: 111.643 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion: 53 Resp: 85896

Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.5	98.3
51	35.8	28.4	42.6

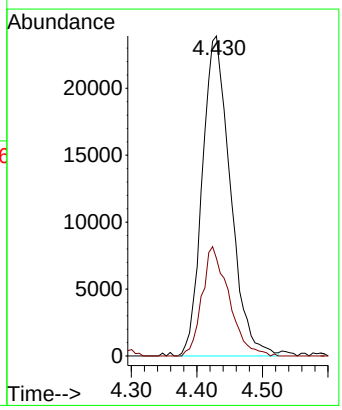


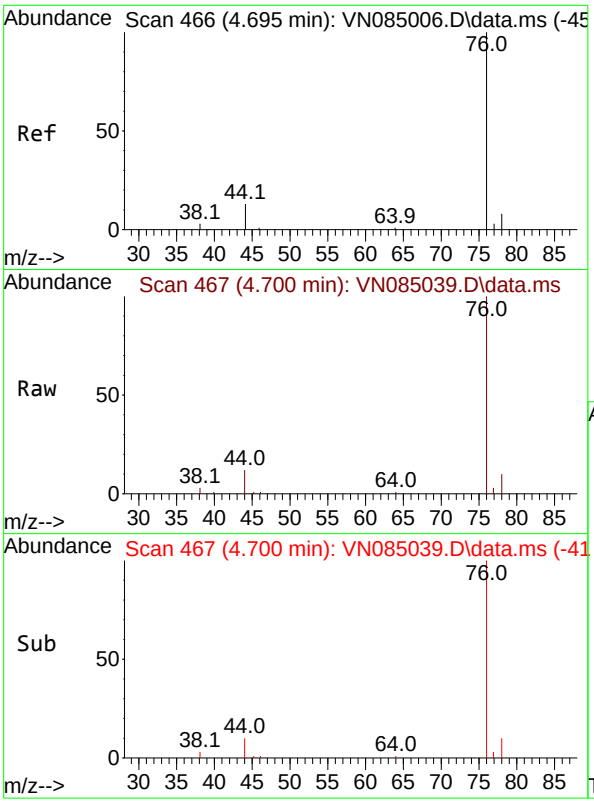


#16
Acetone
Concen: 119.990 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 43 Resp: 71066

Ion	Ratio	Lower	Upper
43	100		
58	30.5	25.4	38.2



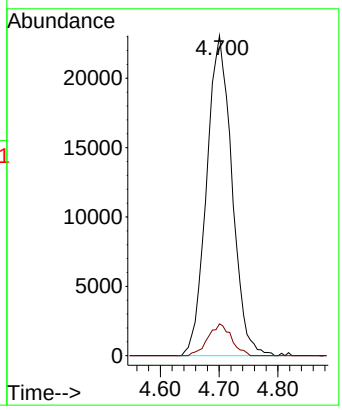


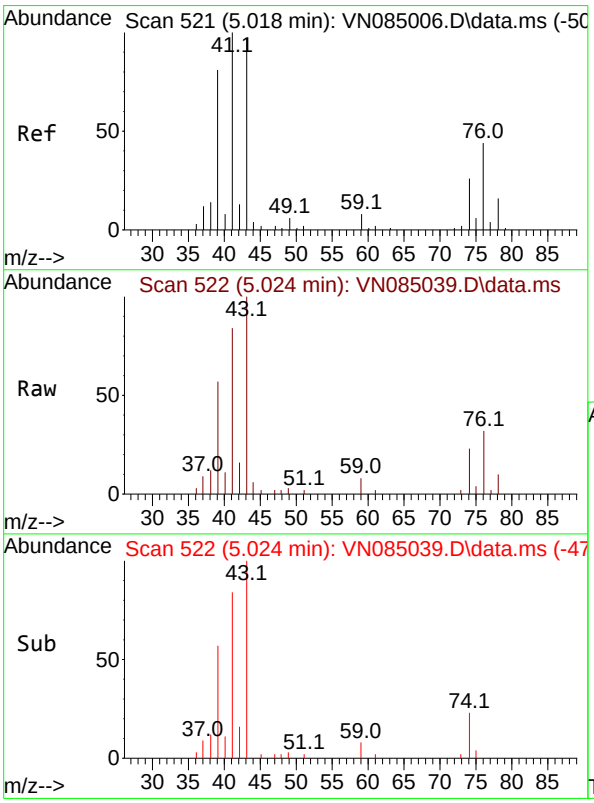
#17
Carbon Disulfide
Concen: 15.448 ug/l
RT: 4.700 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion: 76 Resp: 69093

Ion	Ratio	Lower	Upper
76	100		
78	9.9	6.5	9.7#

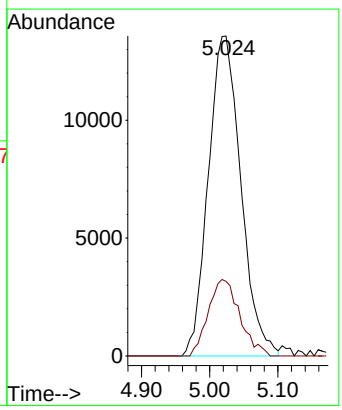


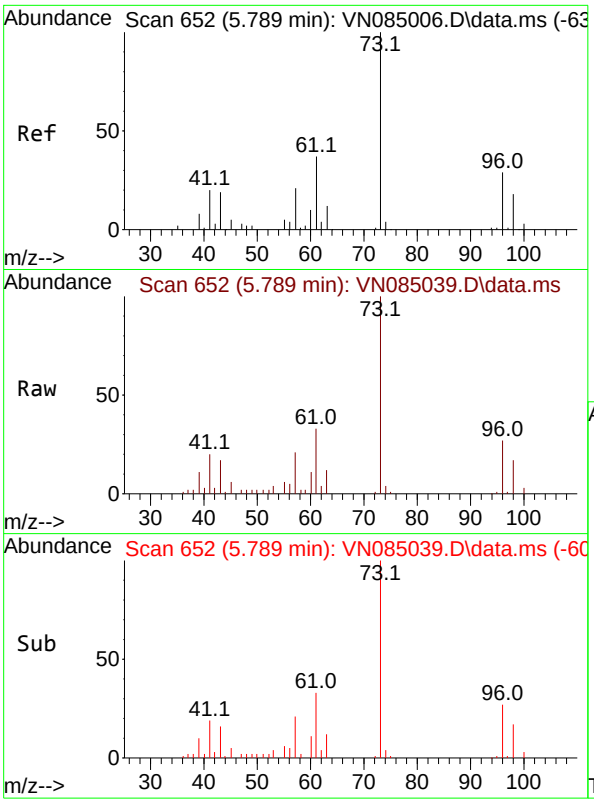


#18
Methyl Acetate
Concen: 23.230 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 43 Resp: 45138

Ion	Ratio	Lower	Upper
43	100		
74	23.2	20.1	30.1



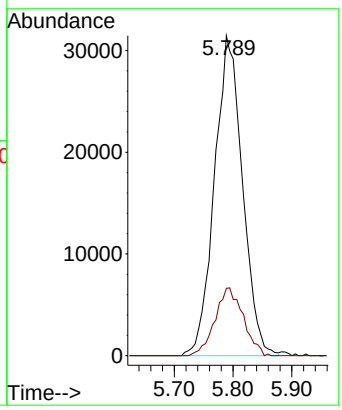


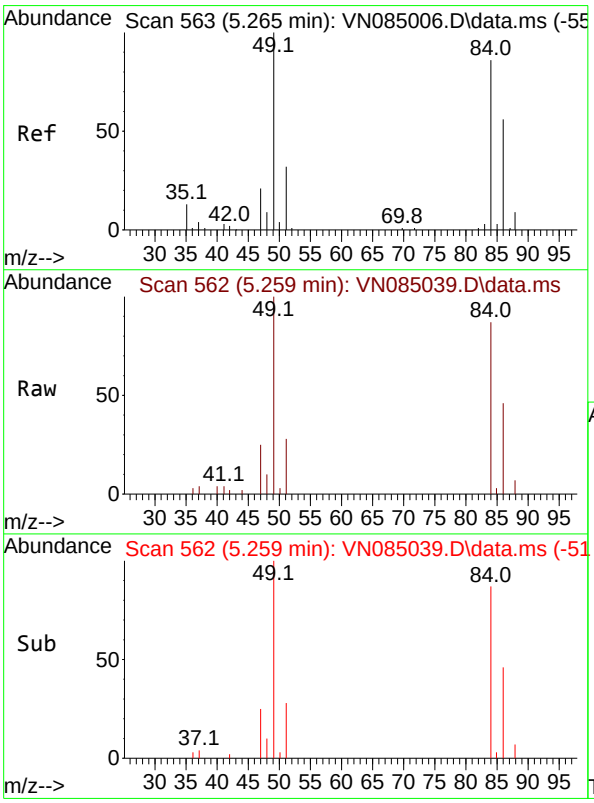
#19
Methyl tert-butyl Ether
Concen: 20.997 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion: 73 Resp: 103958

Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.0	25.4

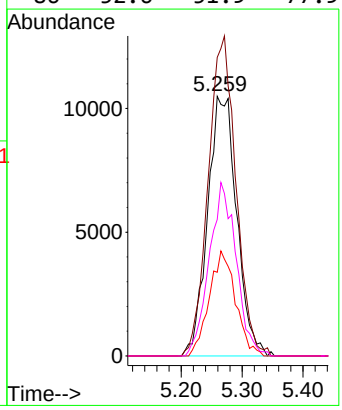


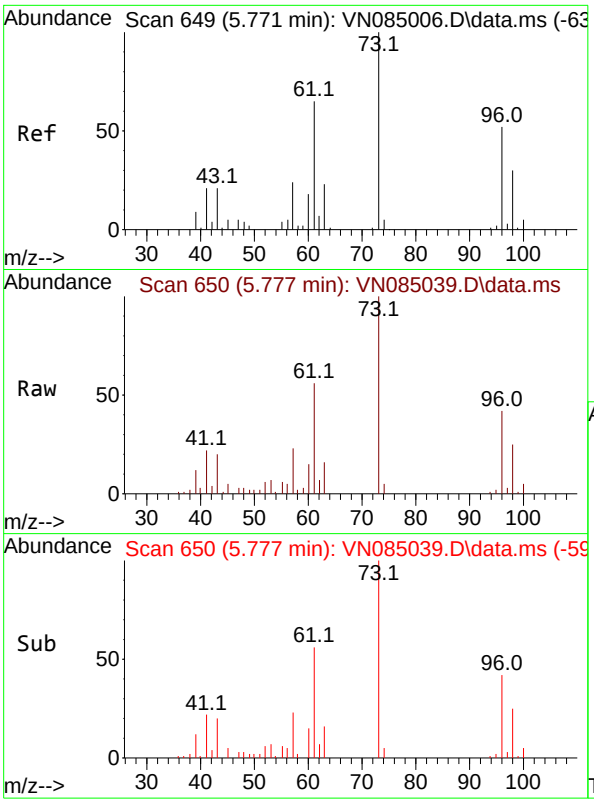


#20
Methylene Chloride
Concen: 19.275 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 84 Resp: 34836

Ion	Ratio	Lower	Upper
84	100		
49	115.0	92.7	139.1
51	32.3	29.4	44.2
86	52.6	51.9	77.9



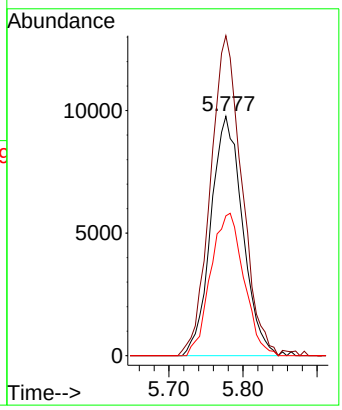


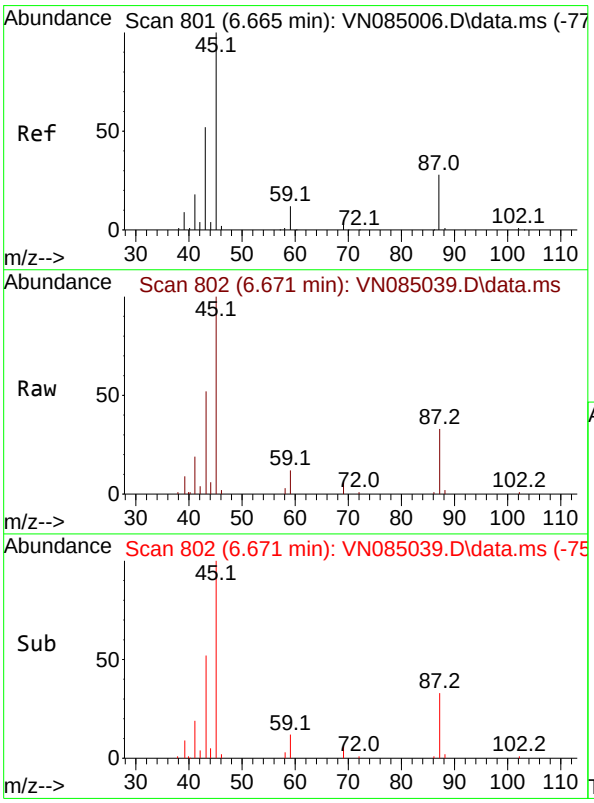
#21
trans-1,2-Dichloroethene
Concen: 18.202 ug/l
RT: 5.777 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion: 96 Resp: 29026

Ion	Ratio	Lower	Upper
96	100		
61	133.7	100.7	151.1
98	58.4	45.8	68.6

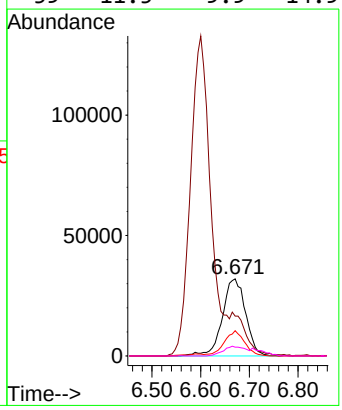


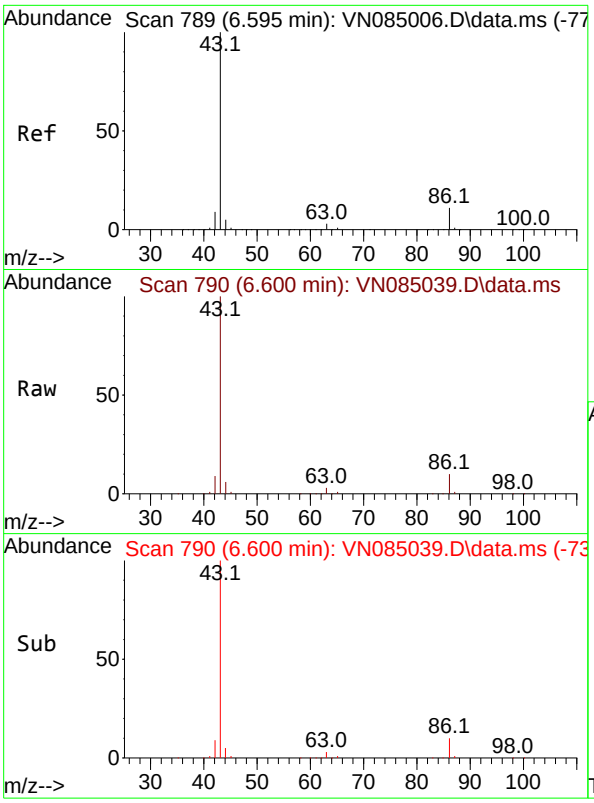


#22
Diisopropyl ether
Concen: 20.615 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 45 Resp: 105988

Ion	Ratio	Lower	Upper
45	100		
43	49.8	42.7	64.1
87	32.8	22.6	34.0
59	11.5	9.9	14.9



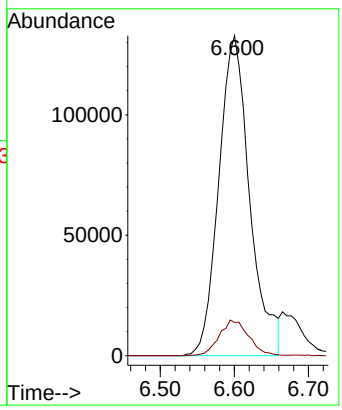


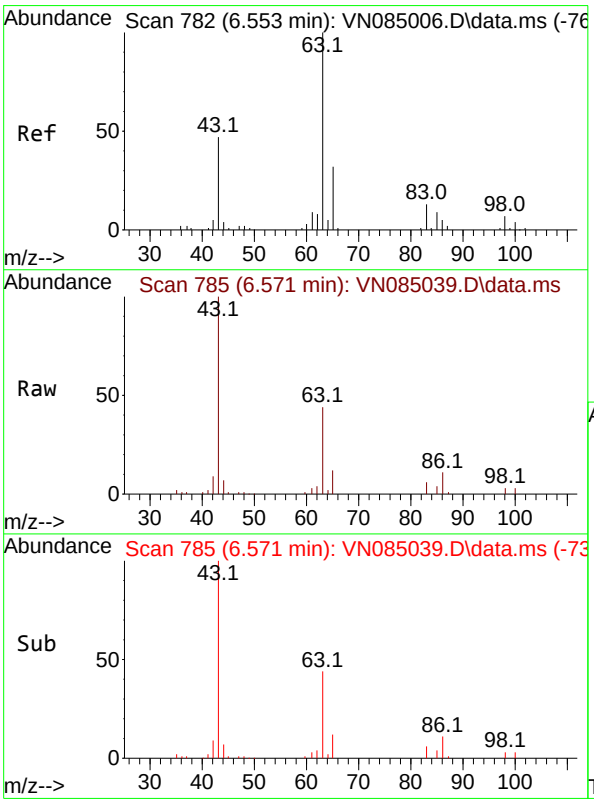
#23
Vinyl Acetate
Concen: 108.662 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion: 43 Resp: 385417

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.9	13.3

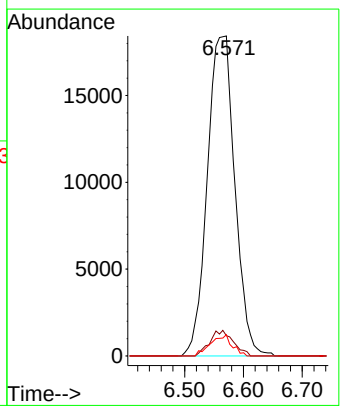


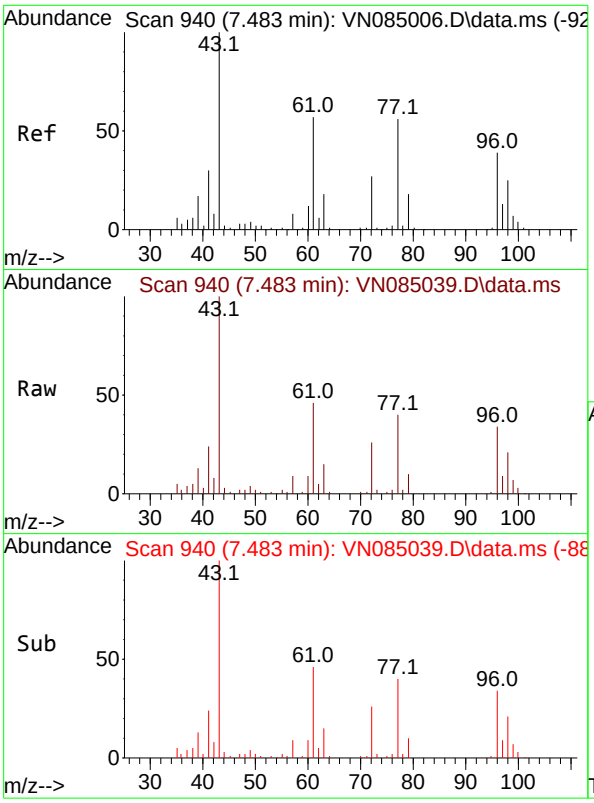


#24
1,1-Dichloroethane
Concen: 19.523 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.018 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 63 Resp: 60068

Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.3	9.8
100	6.6	2.2	6.6#



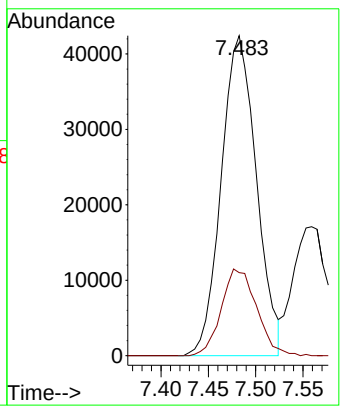


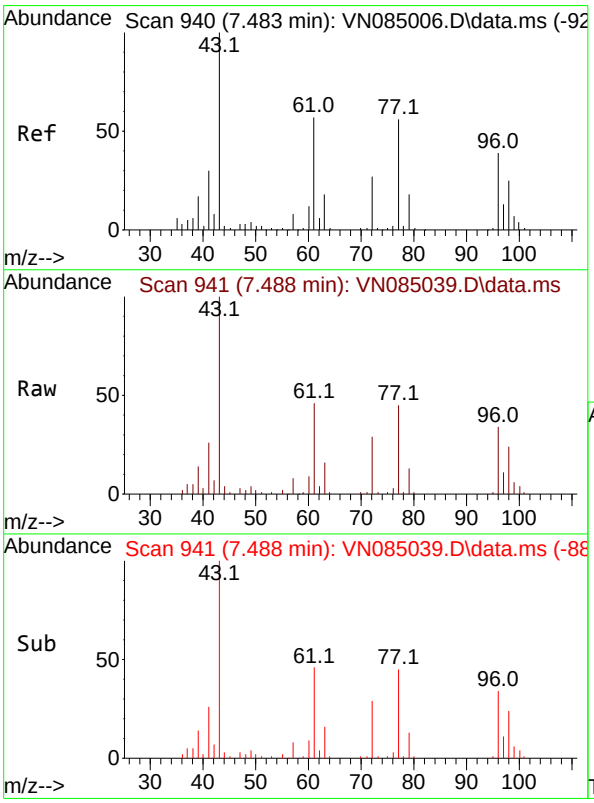
#25
2-Butanone
Concen: 113.179 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion: 43 Resp: 109592

Ion	Ratio	Lower	Upper
43	100		
72	25.9	21.4	32.0

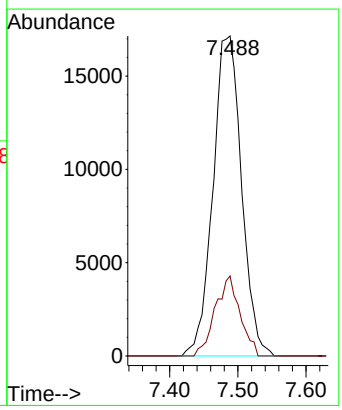


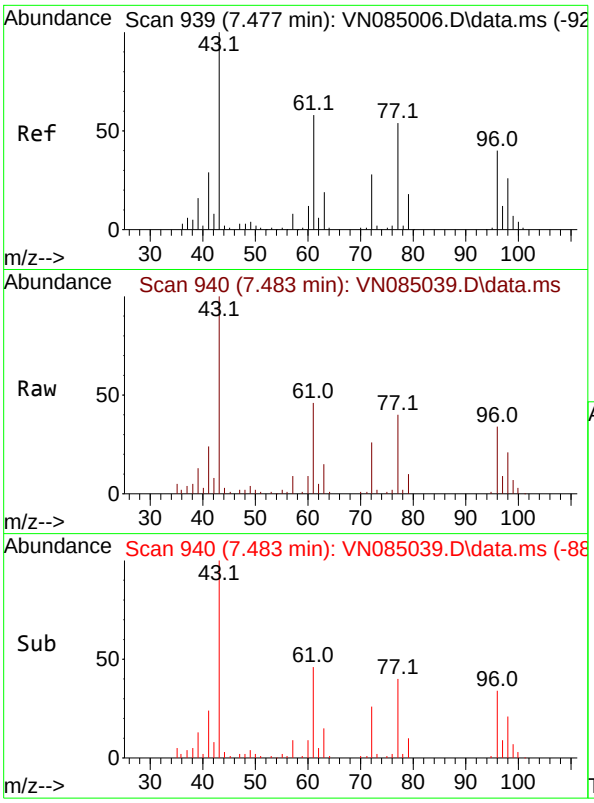


#26
2,2-Dichloropropane
Concen: 17.413 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 77 Resp: 50027

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.9	32.7



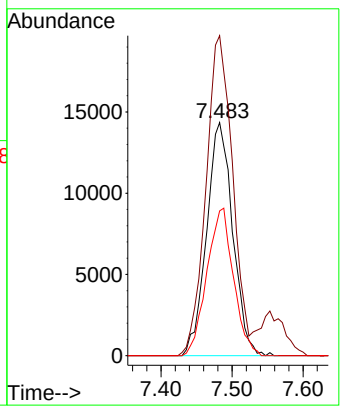


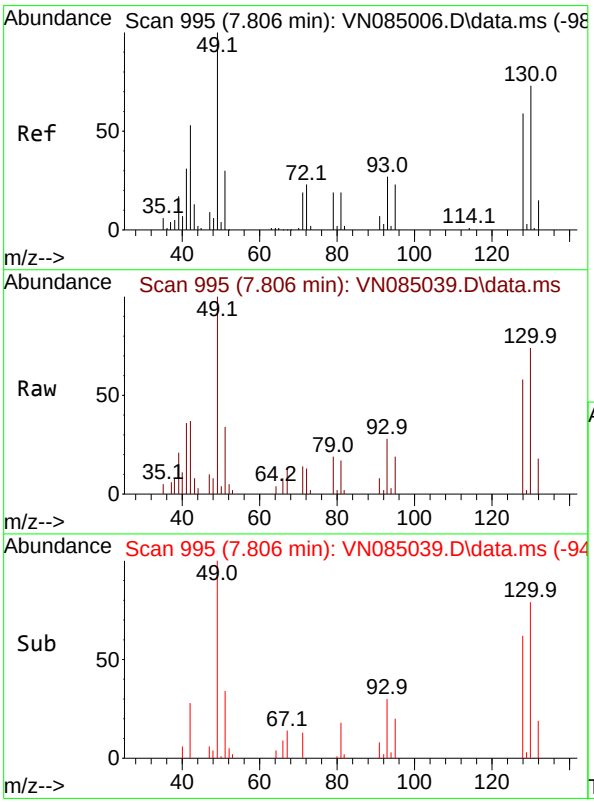
#27
cis-1,2-Dichloroethene
Concen: 19.074 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion: 96 Resp: 36668

Ion	Ratio	Lower	Upper
96	100		
61	140.9	0.0	291.6
98	64.3	0.0	129.8

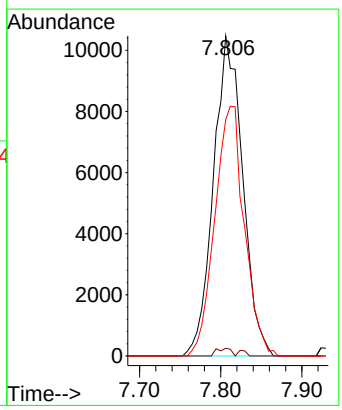


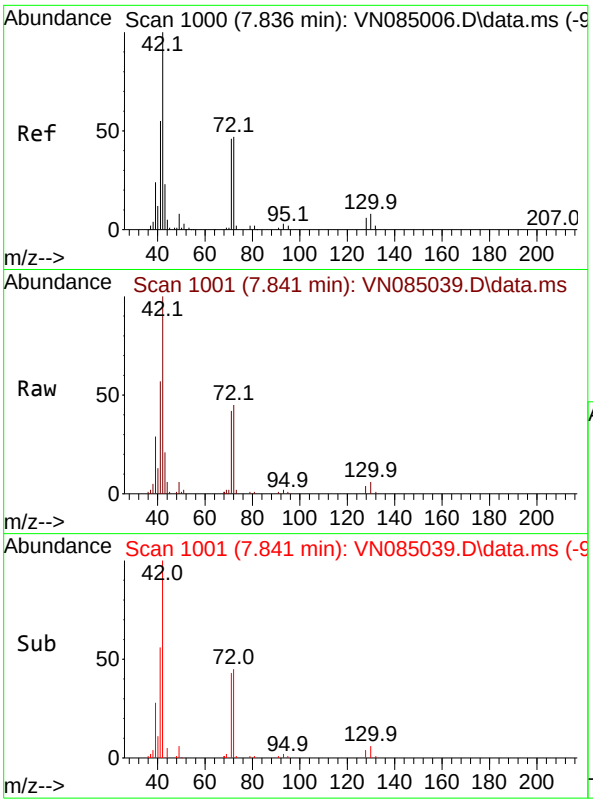


#28
Bromochloromethane
Concen: 22.534 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 49 Resp: 26171

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.0
130	78.9	60.6	90.8



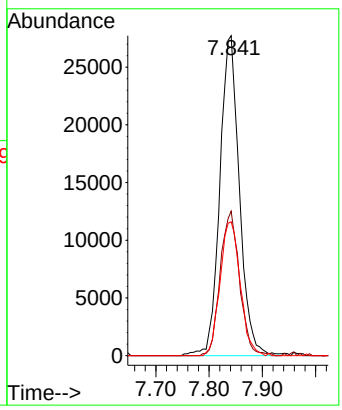


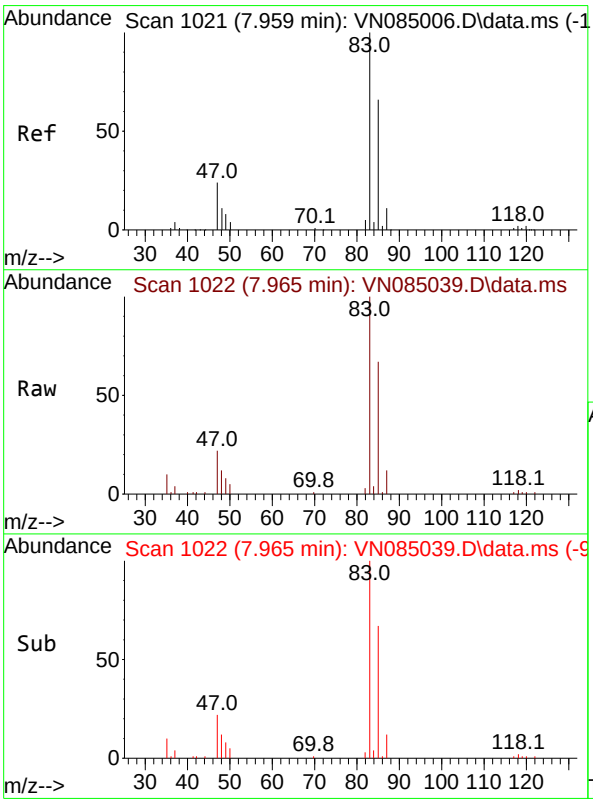
#29
Tetrahydrofuran
Concen: 117.612 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion: 42 Resp: 70821

Ion	Ratio	Lower	Upper
42	100		
72	44.6	37.0	55.4
71	43.1	35.0	52.4

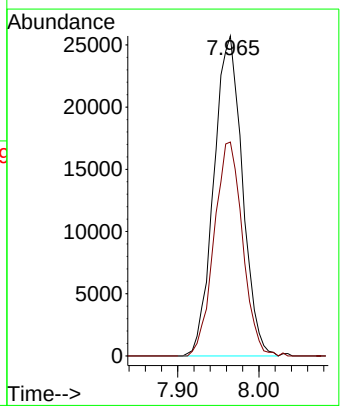


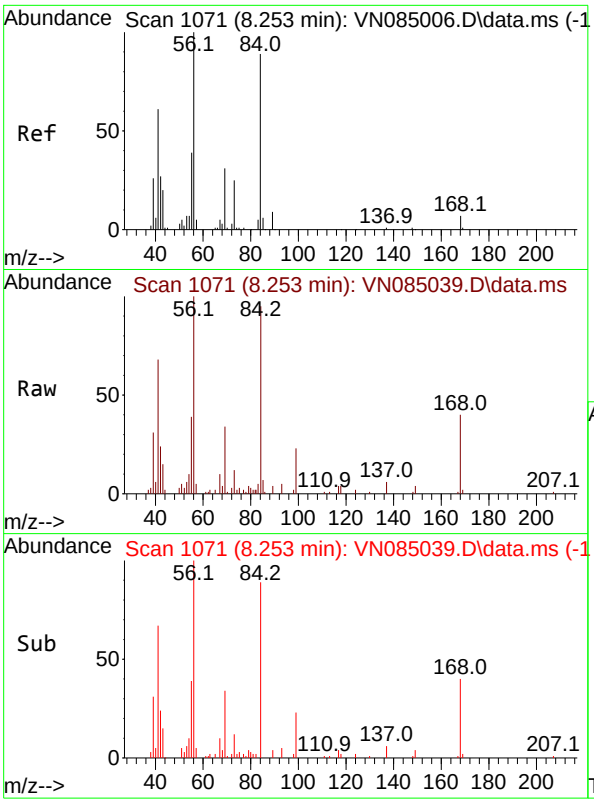


#30
Chloroform
Concen: 19.191 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 83 Resp: 62809

Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.6	78.8



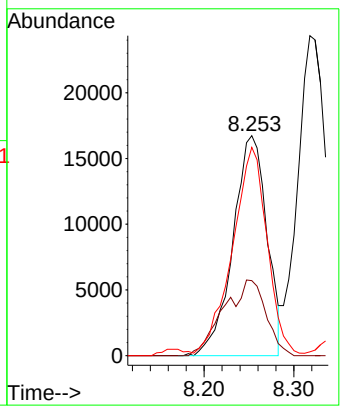


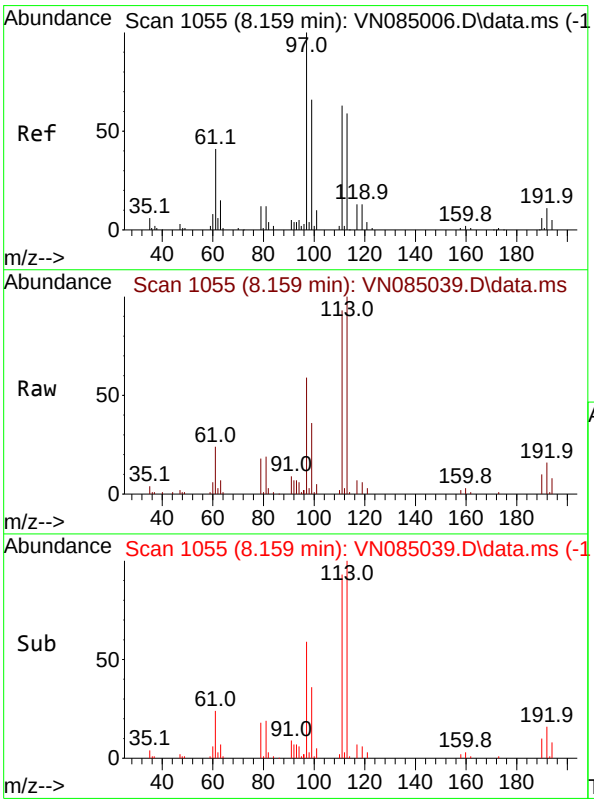
#31
Cyclohexane
Concen: 16.235 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion: 56 Resp: 43980

Ion	Ratio	Lower	Upper
56	100		
69	34.1	24.6	36.8
84	91.8	71.4	107.2

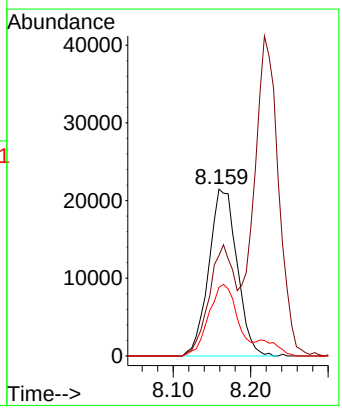


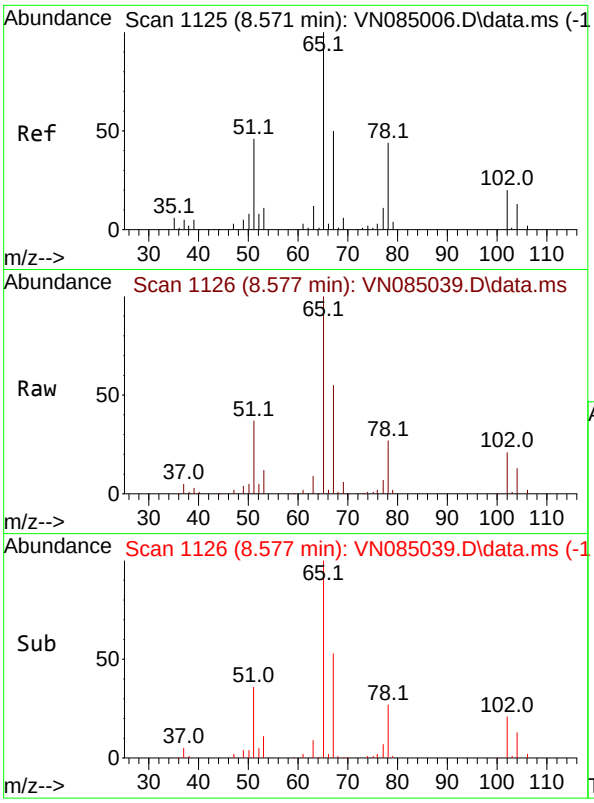


#32
1,1,1-Trichloroethane
Concen: 18.394 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 97 Resp: 54399

Ion	Ratio	Lower	Upper
97	100		
99	58.9	51.0	76.4
61	44.5	36.2	54.2



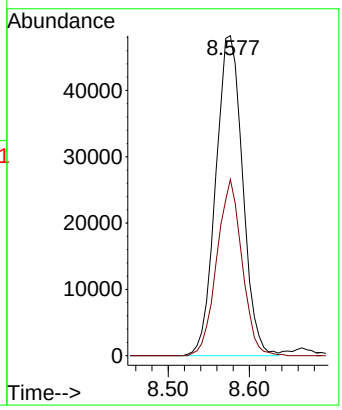


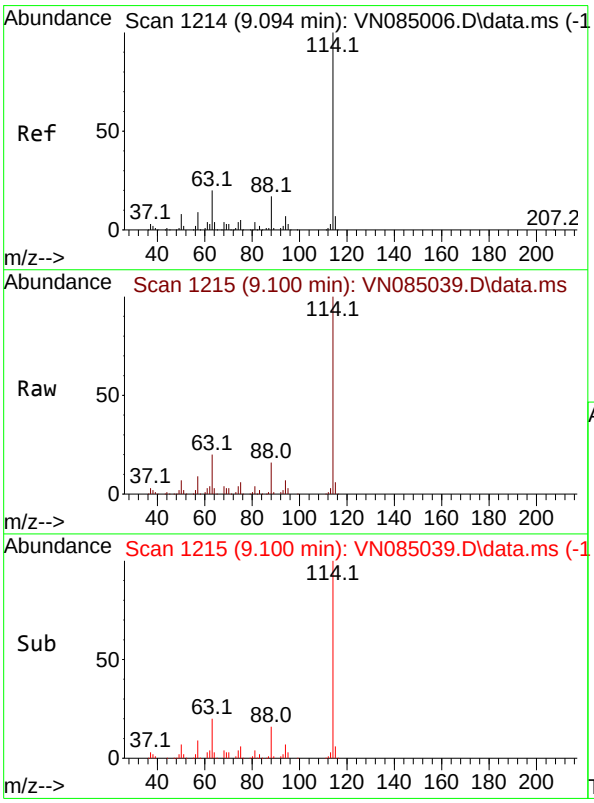
#33
1,2-Dichloroethane-d4
Concen: 54.587 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion: 65 Resp: 111008

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	105.0

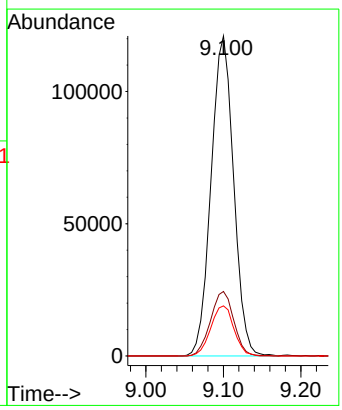


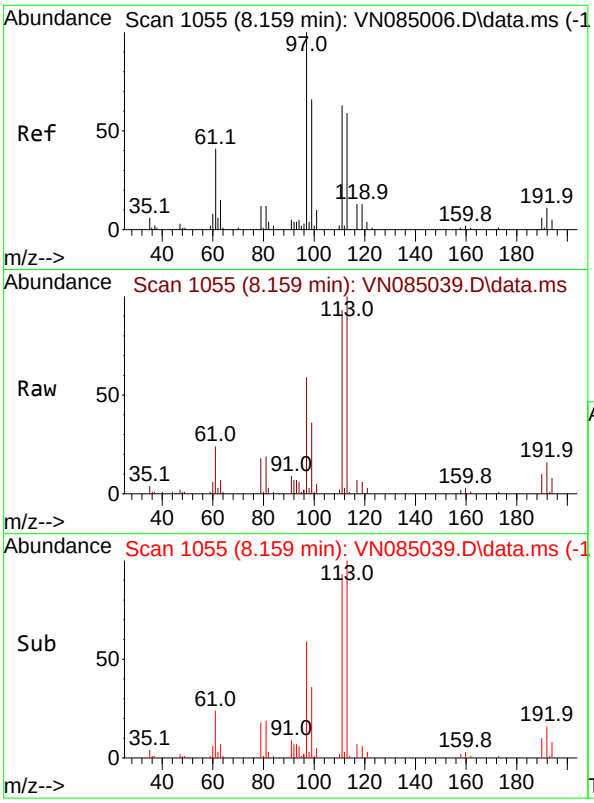


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:114 Resp: 244329

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	41.0
88	15.6	0.0	34.8



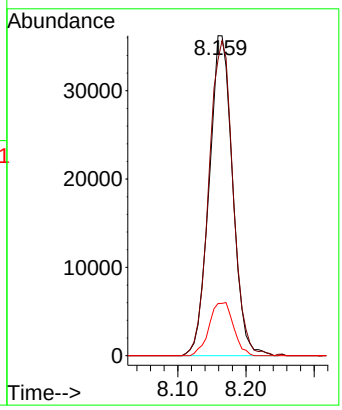


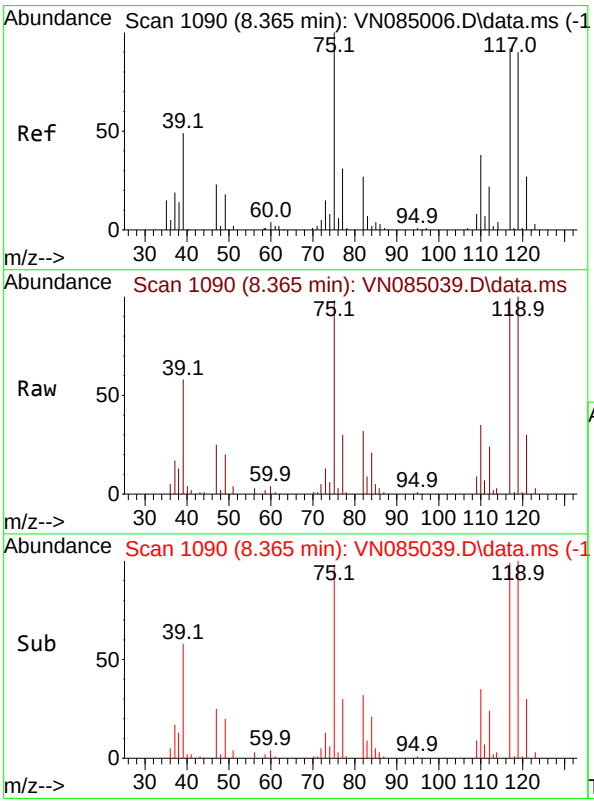
#35
Dibromofluoromethane
Concen: 52.620 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion:113 Resp: 86701

Ion	Ratio	Lower	Upper
113	100		
111	100.9	82.0	123.0
192	17.2	14.8	22.2

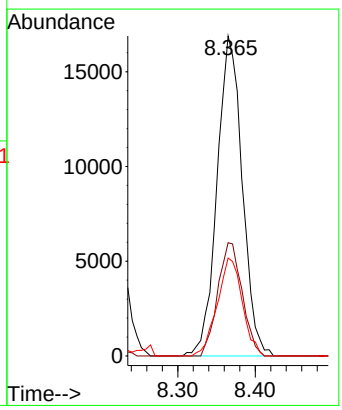


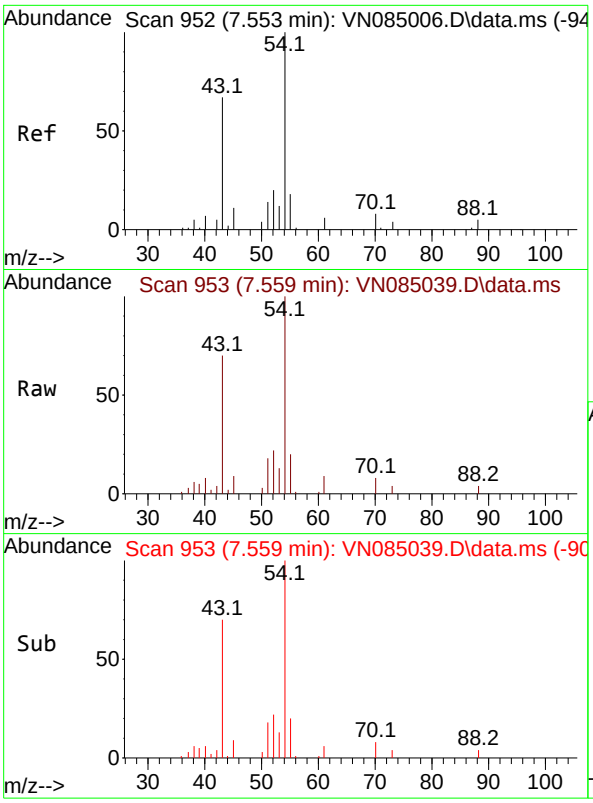


#36
1,1-Dichloropropene
Concen: 17.104 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 75 Resp: 38171

Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.2	51.6
77	30.5	24.2	36.4



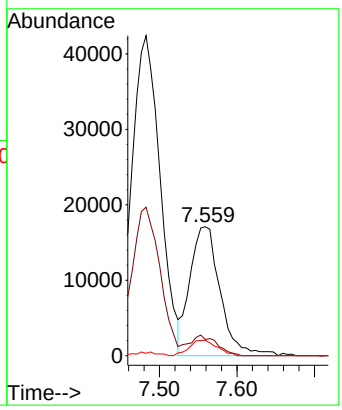


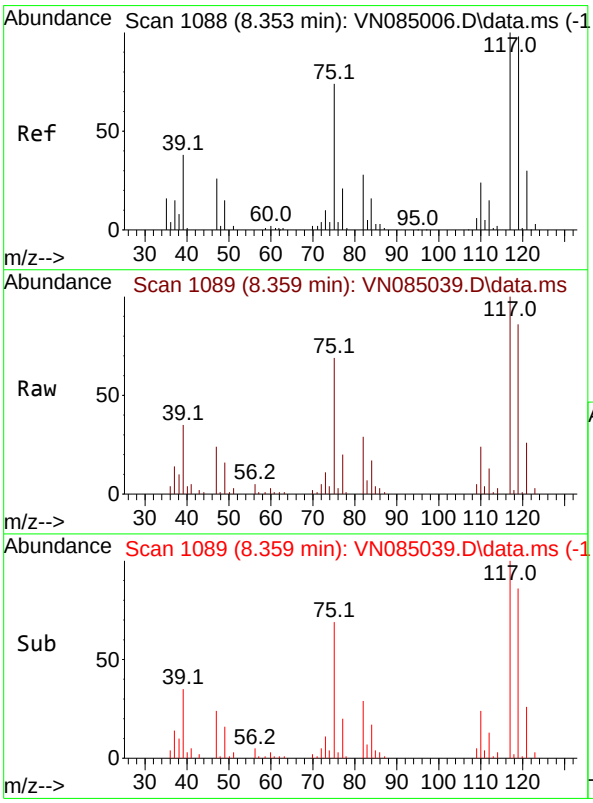
#37
Ethyl Acetate
Concen: 22.919 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion: 43 Resp: 46501

Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.7	17.5
70	10.9	9.3	13.9

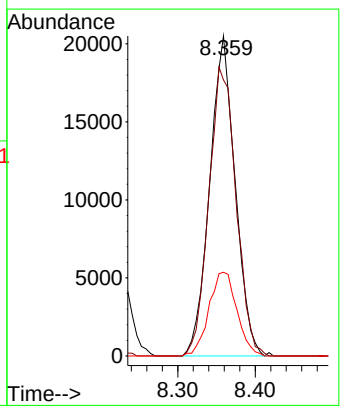


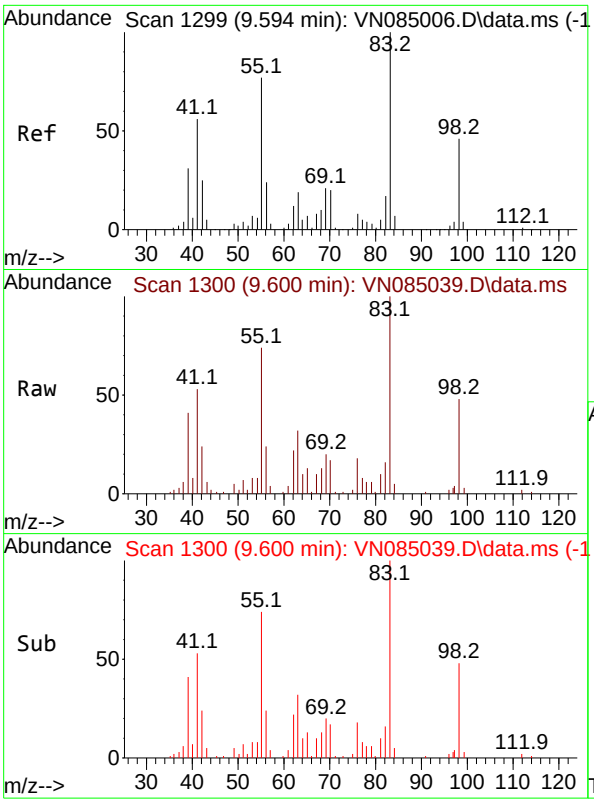


#38
Carbon Tetrachloride
Concen: 18.172 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:117 Resp: 46812

Ion	Ratio	Lower	Upper
117	100		
119	86.2	78.6	117.8
121	26.2	24.2	36.2



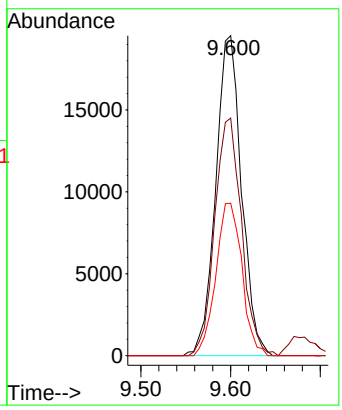


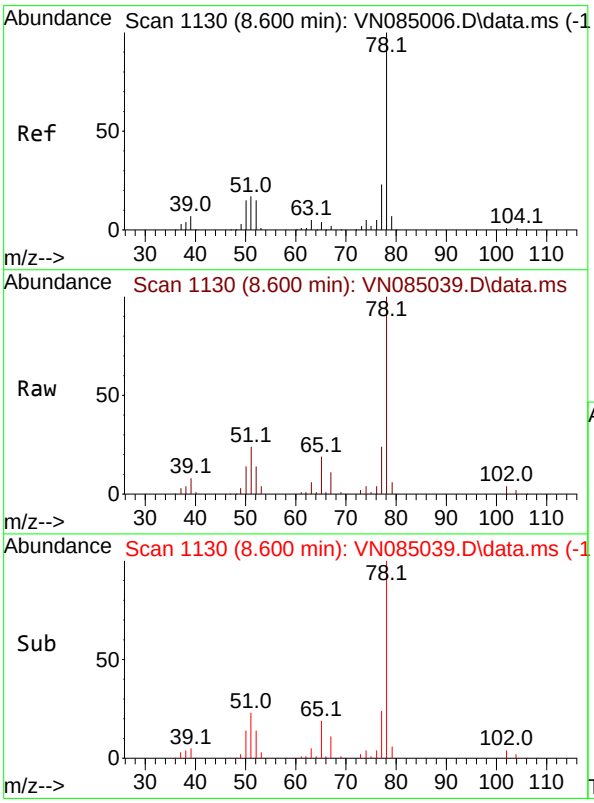
#39
Methylcyclohexane
Concen: 16.856 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion: 83 Resp: 39091

Ion	Ratio	Lower	Upper
83	100		
55	74.2	61.8	92.6
98	47.7	37.0	55.6

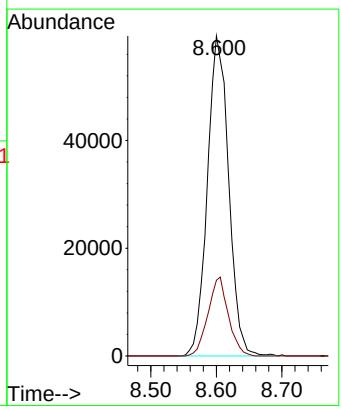


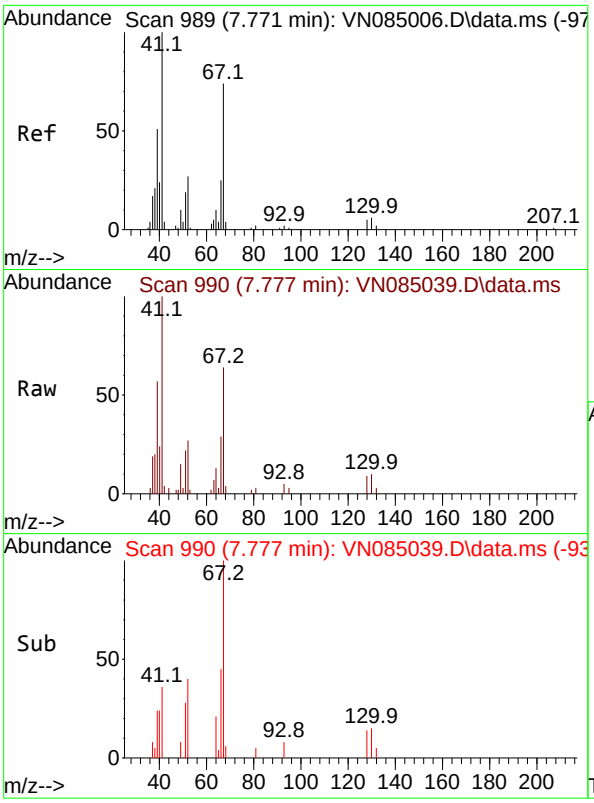


#40
Benzene
Concen: 18.983 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 78 Resp: 133991

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.5	27.7



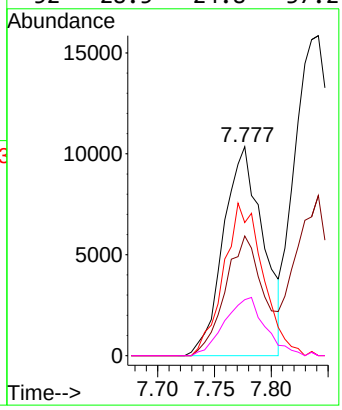


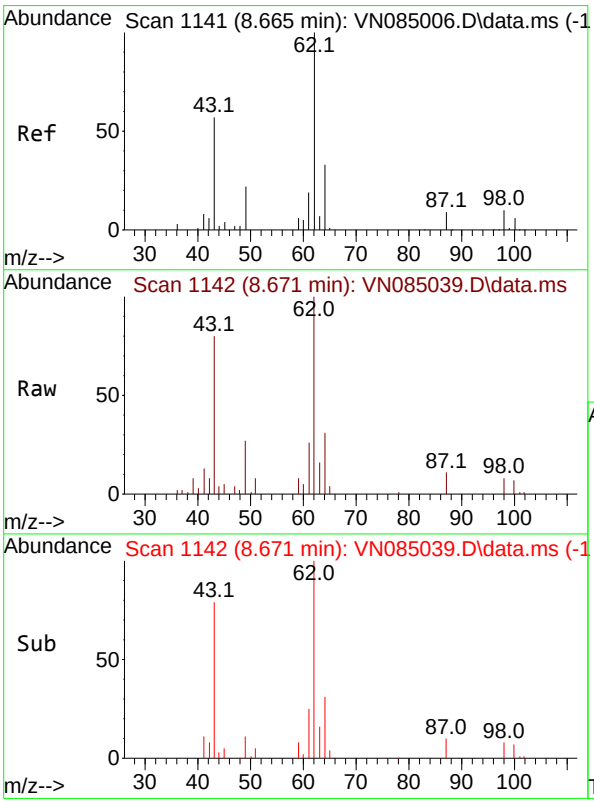
#41
Methacrylonitrile
Concen: 22.403 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion: 41 Resp: 25167

Ion	Ratio	Lower	Upper
41	100		
39	55.3	42.6	63.8
67	72.3	59.9	89.9
52	28.5	24.8	37.2

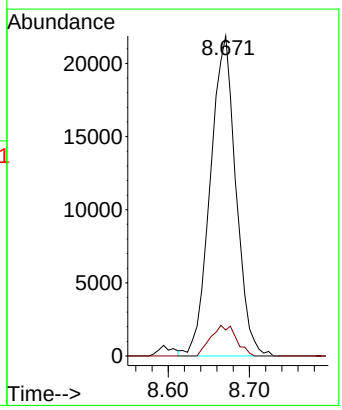


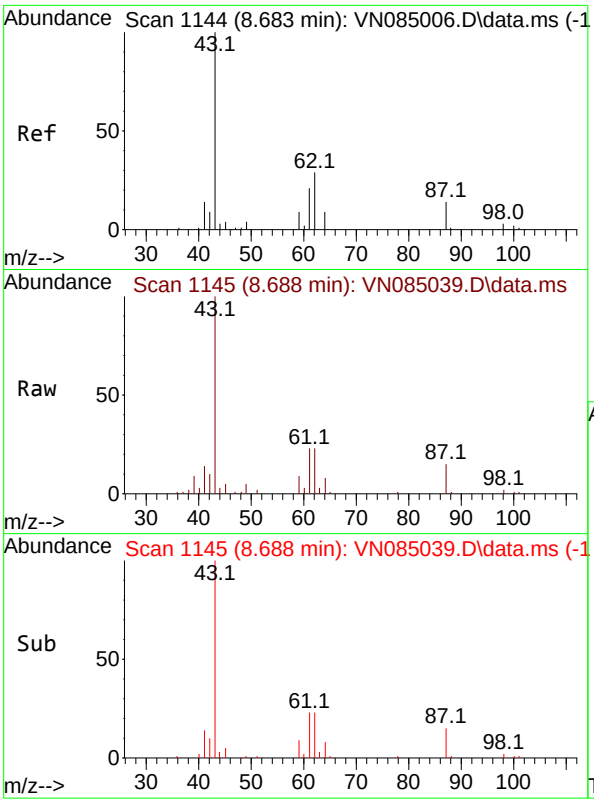


#42
1,2-Dichloroethane
Concen: 19.842 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 62 Resp: 47916

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.2



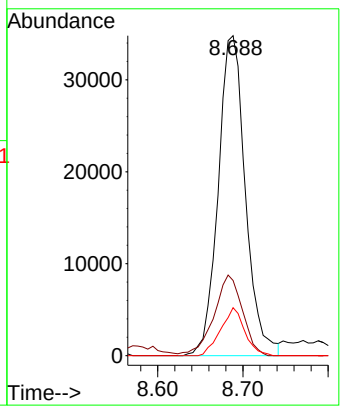


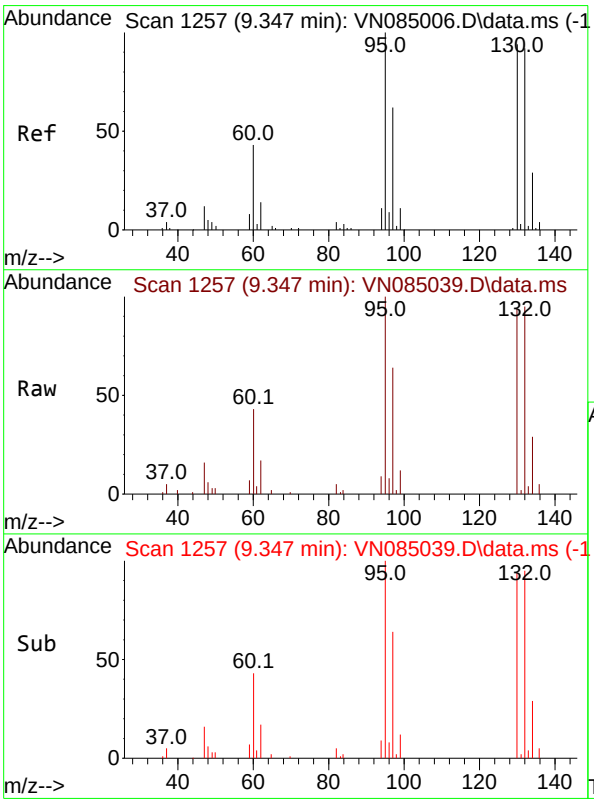
#43
Isopropyl Acetate
Concen: 18.338 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion: 43 Resp: 77282

Ion	Ratio	Lower	Upper
43	100		
61	26.3	20.6	30.8
87	13.2	11.0	16.4

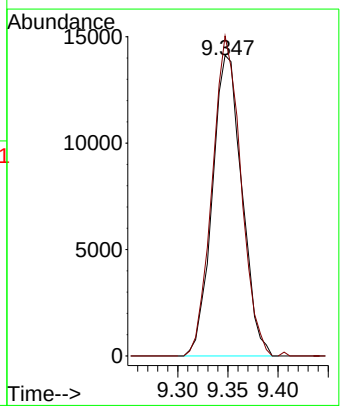


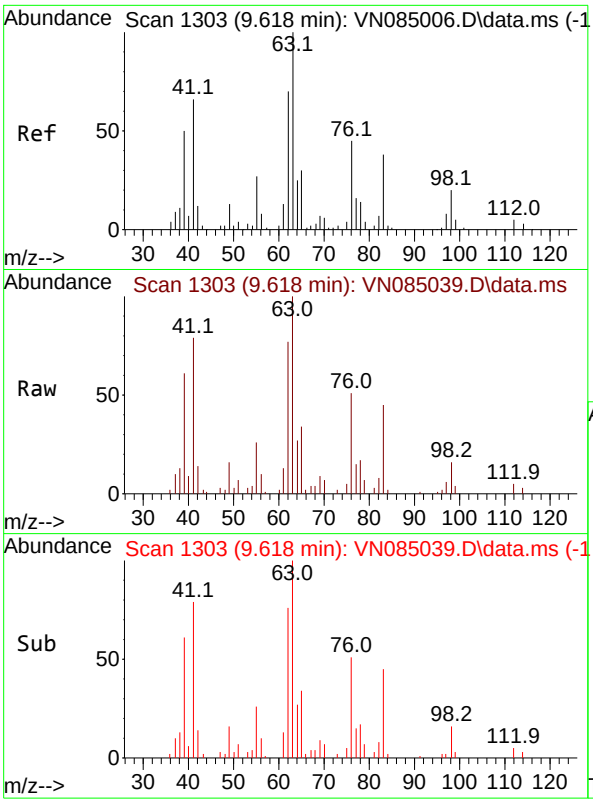


#44
Trichloroethene
Concen: 17.670 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:130 Resp: 28985

Ion	Ratio	Lower	Upper
130	100		
95	106.5	0.0	213.4



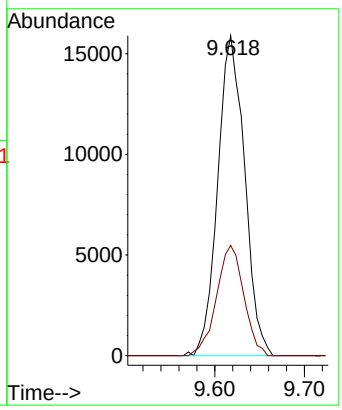


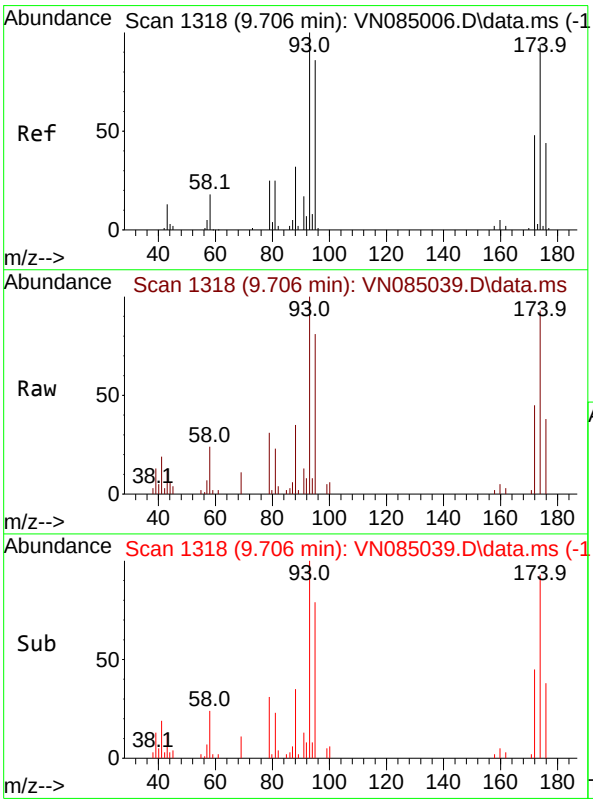
#45
1,2-Dichloropropane
Concen: 19.004 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion: 63 Resp: 33039

Ion	Ratio	Lower	Upper
63	100		
65	34.4	24.0	36.0

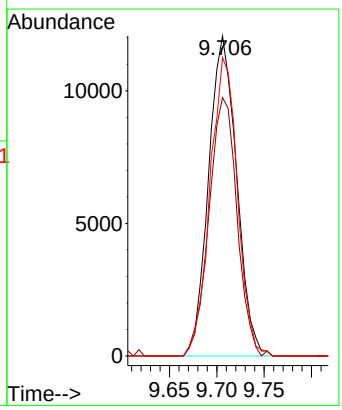


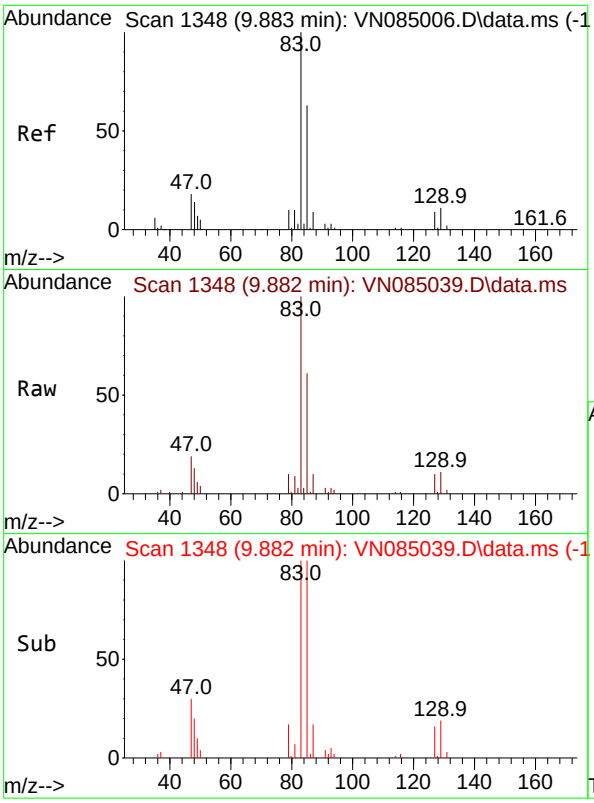


#46
Dibromomethane
Concen: 20.548 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 93 Resp: 24823

Ion	Ratio	Lower	Upper
93	100		
95	80.8	66.2	99.4
174	91.1	74.9	112.3



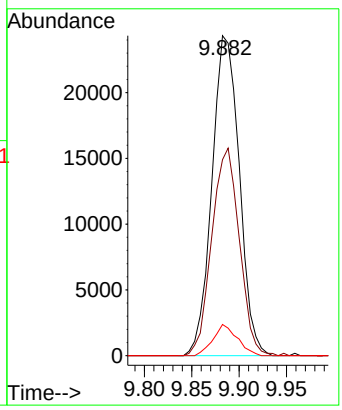


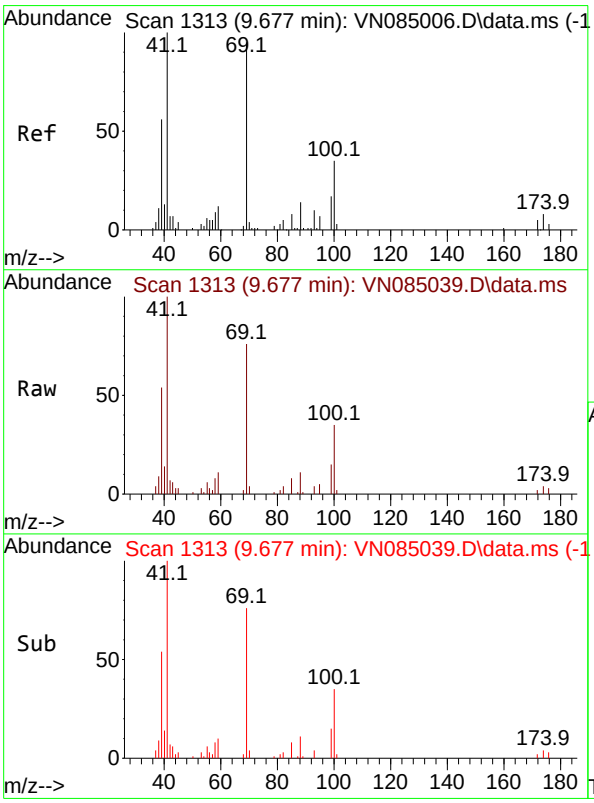
#47
Bromodichloromethane
Concen: 19.121 ug/l
RT: 9.882 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion: 83 Resp: 48958

Ion	Ratio	Lower	Upper
83	100		
85	61.2	50.5	75.7
127	9.8	7.1	10.7

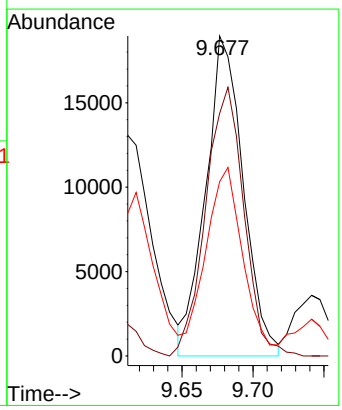


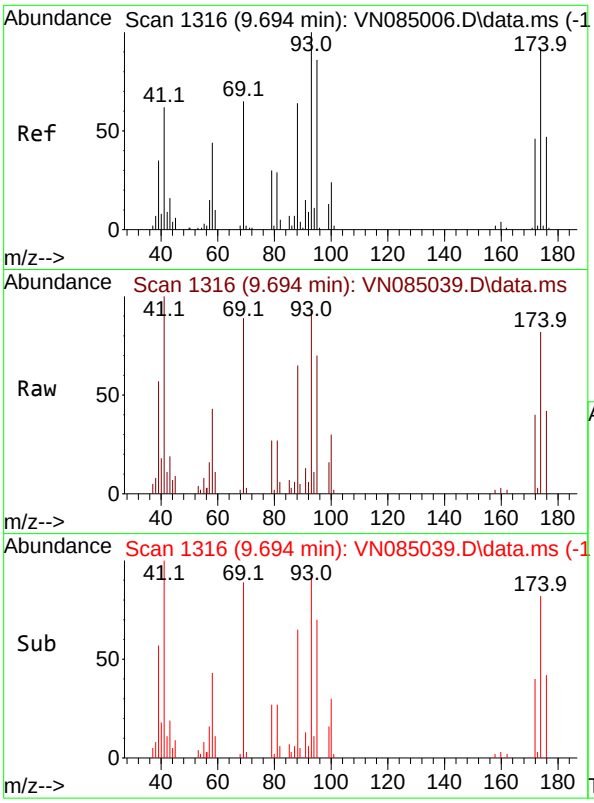


#48
Methyl methacrylate
Concen: 22.214 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 41 Resp: 34837

Ion	Ratio	Lower	Upper
41	100		
69	85.6	73.2	109.8
39	58.7	46.2	69.4



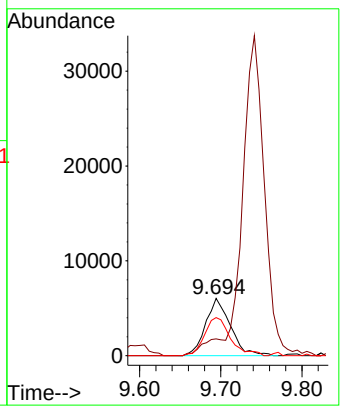


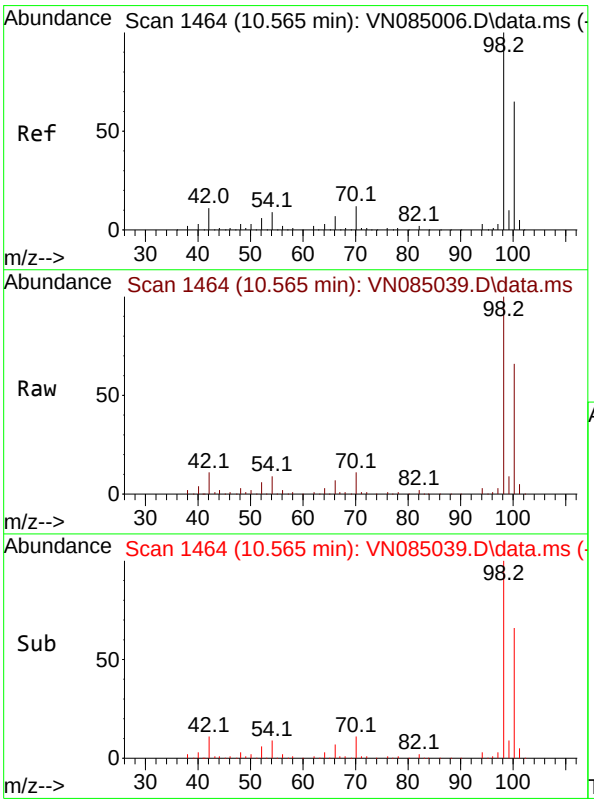
#49
1,4-Dioxane
Concen: 470.352 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion: 88 Resp: 12792

Ion	Ratio	Lower	Upper
88	100		
43	0.0	16.7	25.1#
58	69.2	56.5	84.7

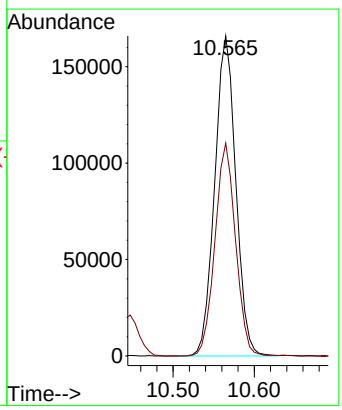


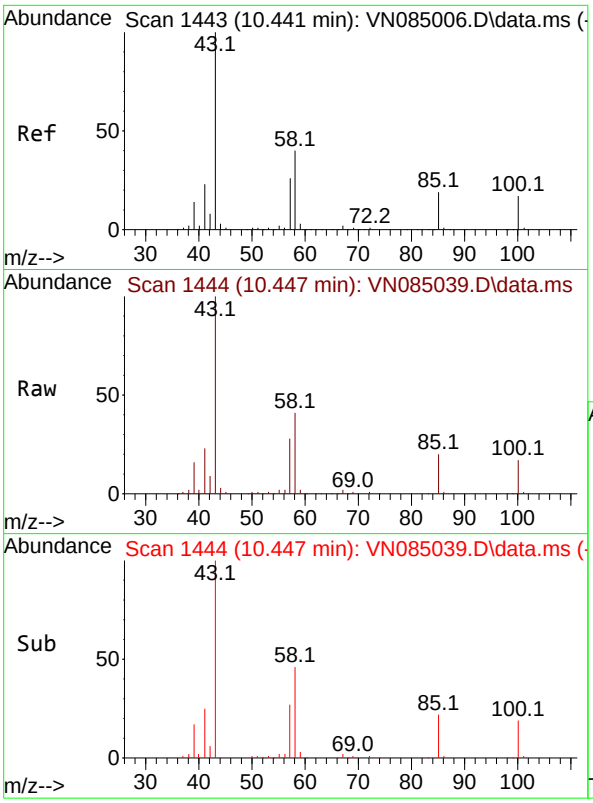


#50
Toluene-d8
Concen: 50.791 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 98 Resp: 299913

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.5	78.7



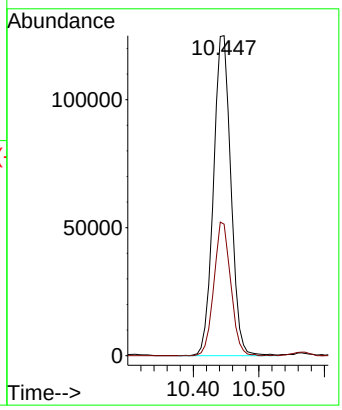


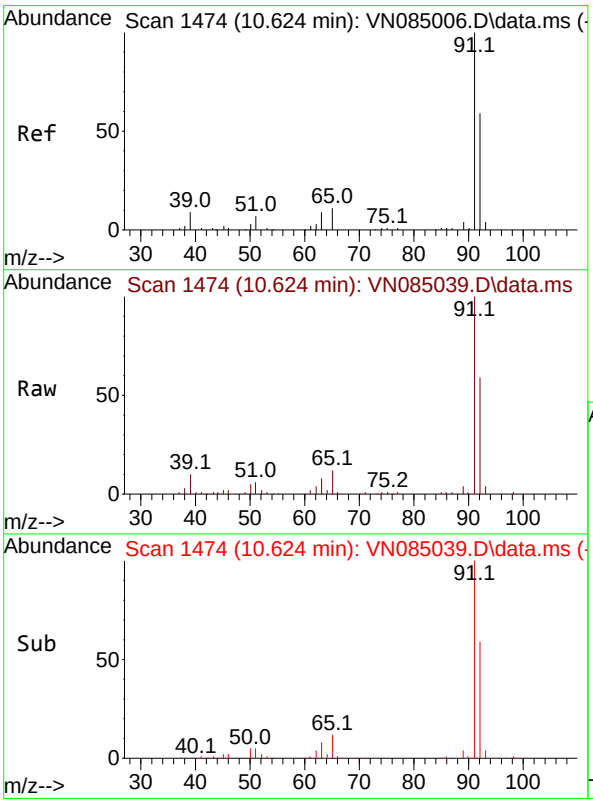
#51
4-Methyl-2-Pentanone
Concen: 119.536 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion: 43 Resp: 230100

Ion	Ratio	Lower	Upper
43	100		
58	40.4	32.1	48.1

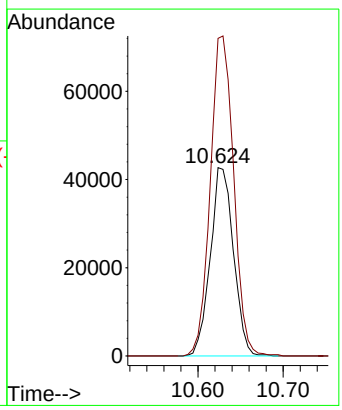


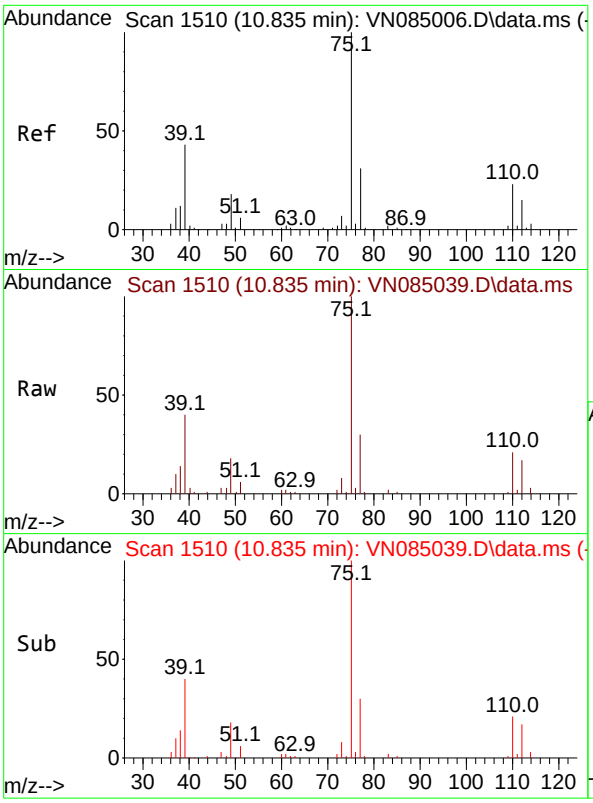


#52
Toluene
Concen: 19.323 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 92 Resp: 80747

Ion	Ratio	Lower	Upper
92	100		
91	171.2	136.7	205.1



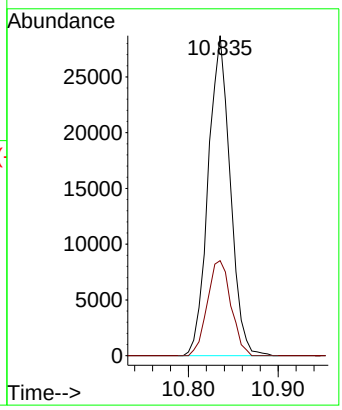


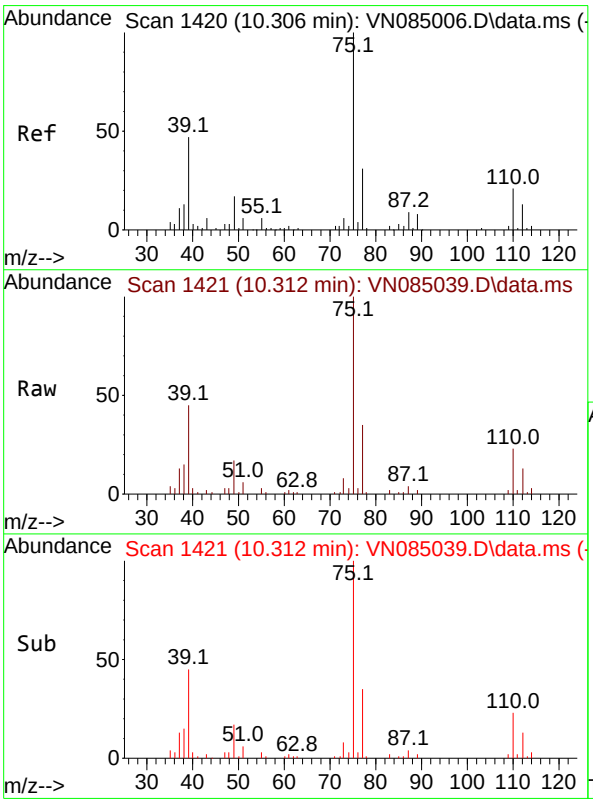
#53
t-1,3-Dichloropropene
Concen: 19.072 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion: 75 Resp: 48956

Ion	Ratio	Lower	Upper
75	100		
77	29.7	25.0	37.4

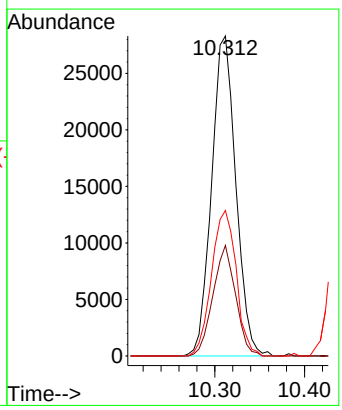


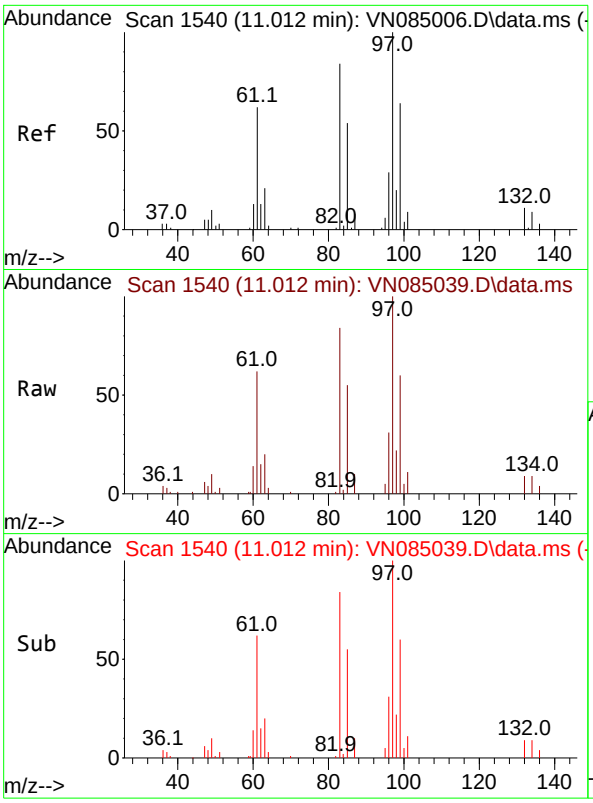


#54
cis-1,3-Dichloropropene
Concen: 19.508 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 75 Resp: 53126

Ion	Ratio	Lower	Upper
75	100		
77	34.6	25.0	37.4
39	45.5	37.6	56.4



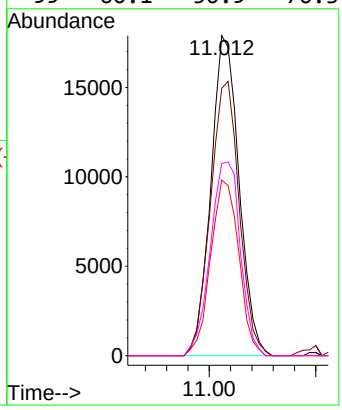


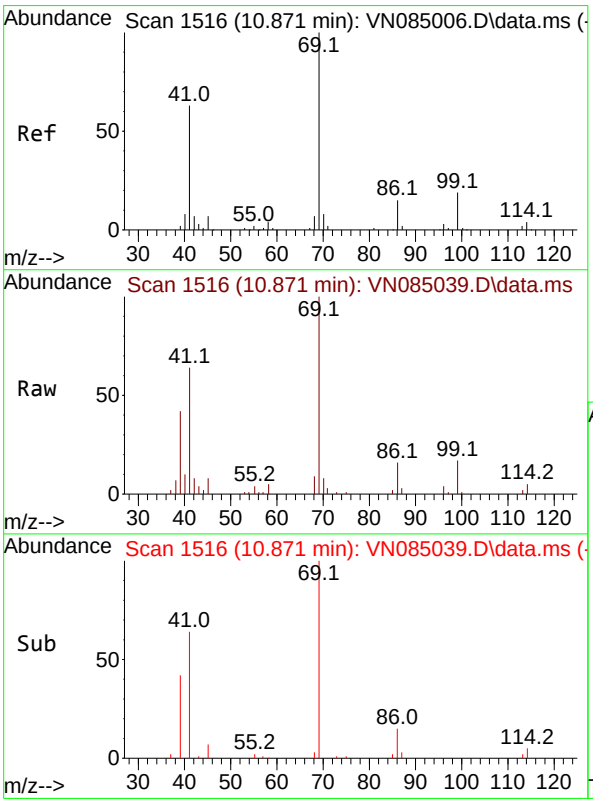
#55
1,1,2-Trichloroethane
Concen: 21.101 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion: 97 Resp: 32843

Ion	Ratio	Lower	Upper
97	100		
83	83.5	67.4	101.2
85	54.9	43.1	64.7
99	60.1	50.9	76.3

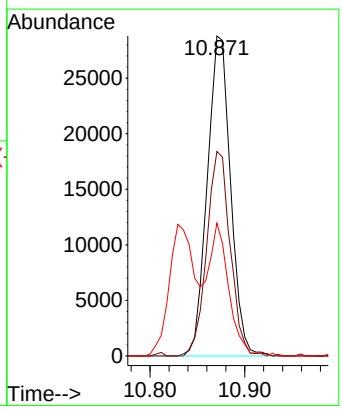


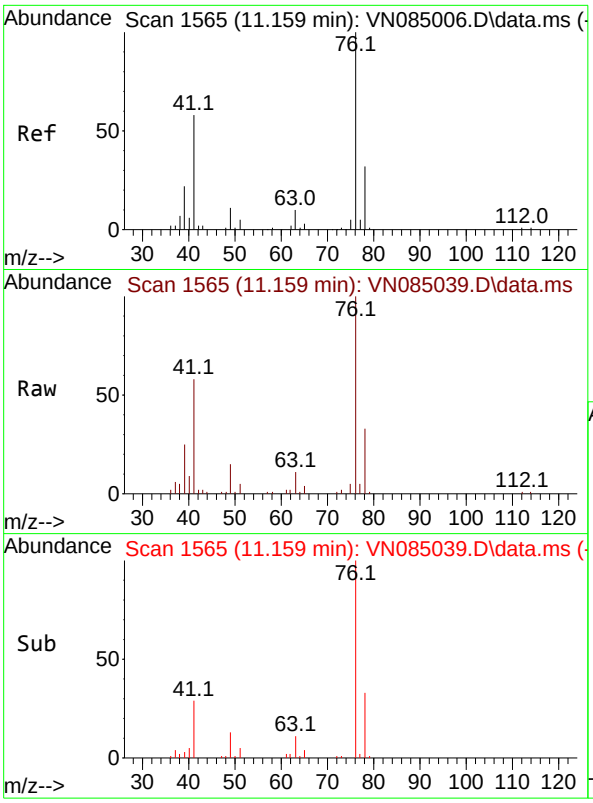


#56
Ethyl methacrylate
Concen: 21.656 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 69 Resp: 49255

Ion	Ratio	Lower	Upper
69	100		
41	64.6	50.0	75.0
39	36.7	27.0	40.6



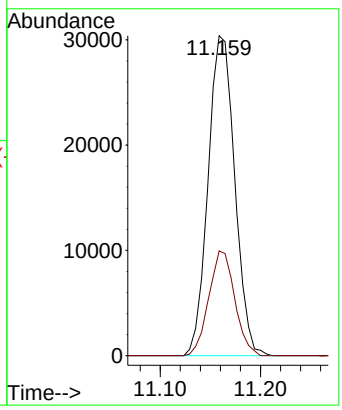


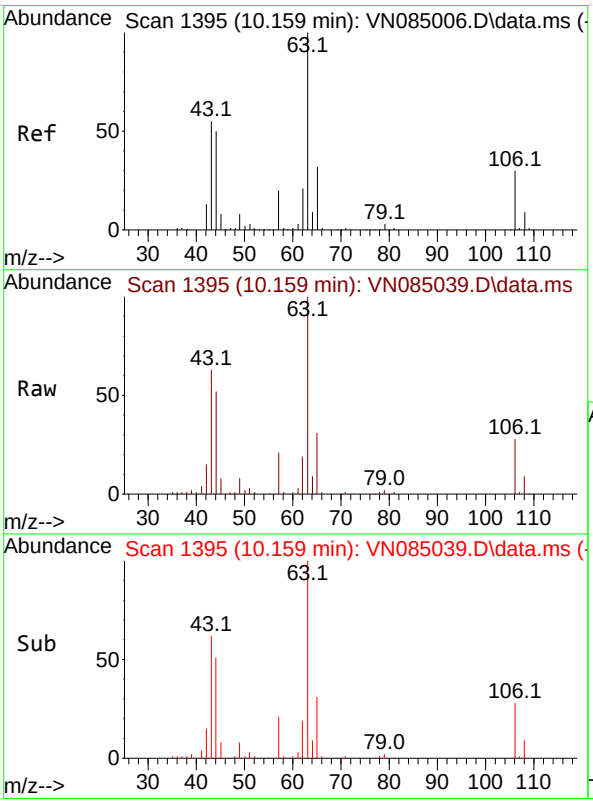
#57
1,3-Dichloropropane
Concen: 20.506 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion: 76 Resp: 56174

Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.1	39.1

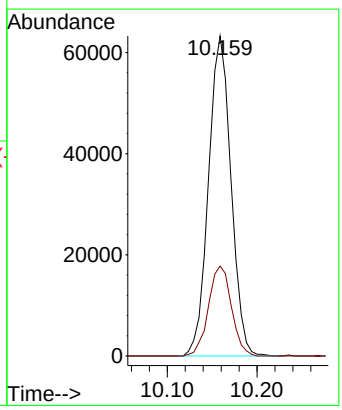


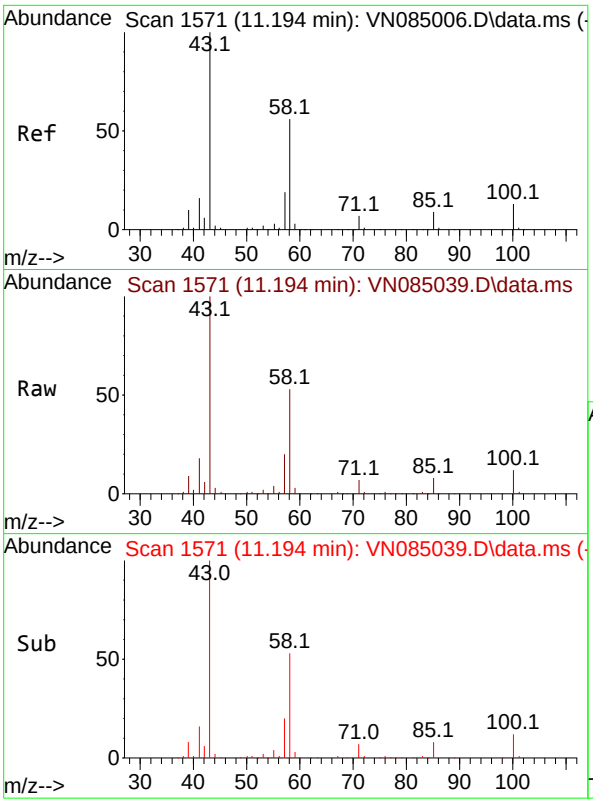


#58
2-Chloroethyl Vinyl ether
Concen: 98.790 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 63 Resp: 110215

Ion	Ratio	Lower	Upper
63	100		
106	28.7	23.0	34.6



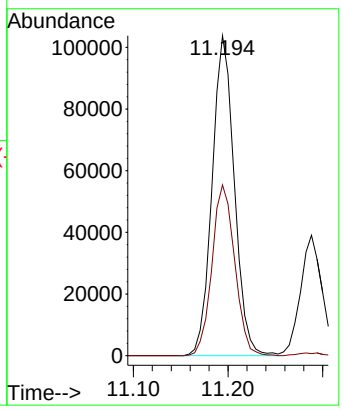


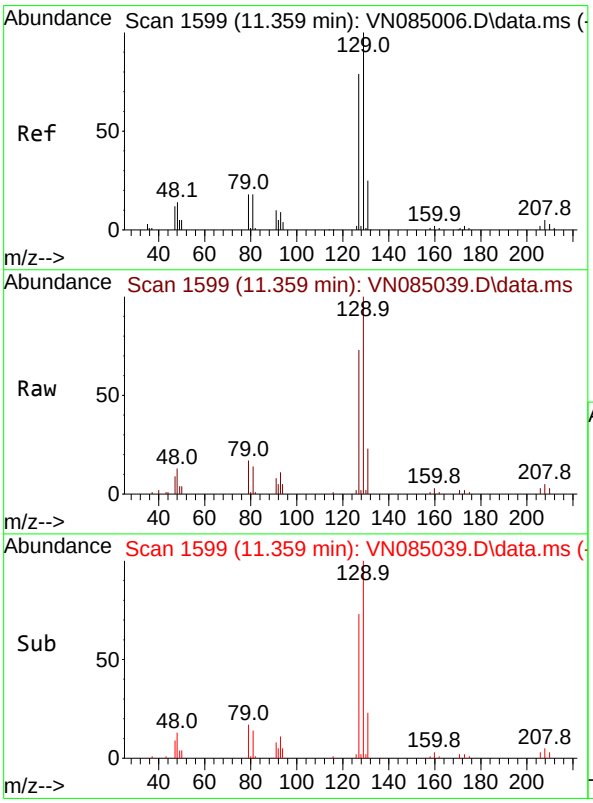
#59
2-Hexanone
Concen: 117.736 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion: 43 Resp: 169501

Ion	Ratio	Lower	Upper
43	100		
58	54.6	28.3	85.0

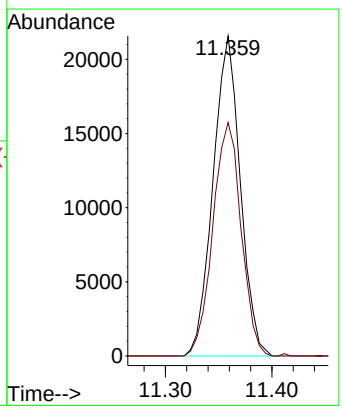


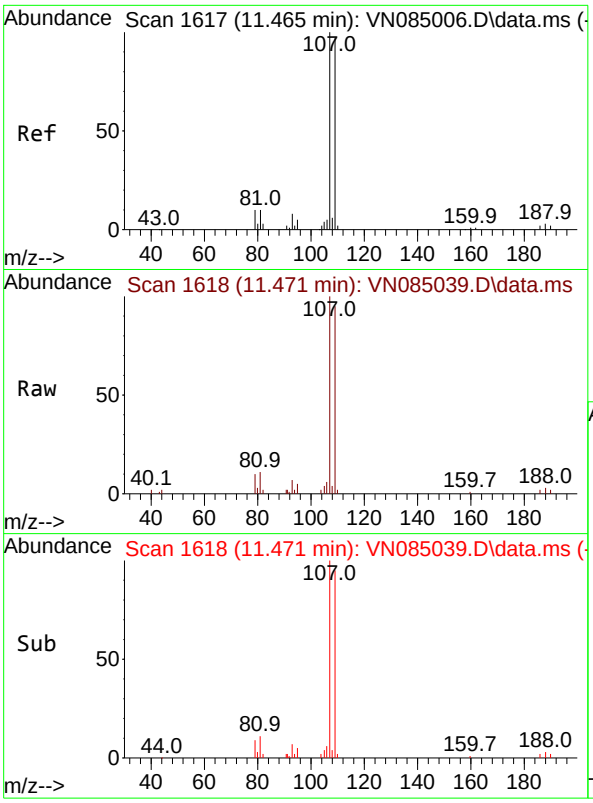


#60
Dibromochloromethane
Concen: 20.137 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:129 Resp: 38306

Ion	Ratio	Lower	Upper
129	100		
127	75.5	39.2	117.6



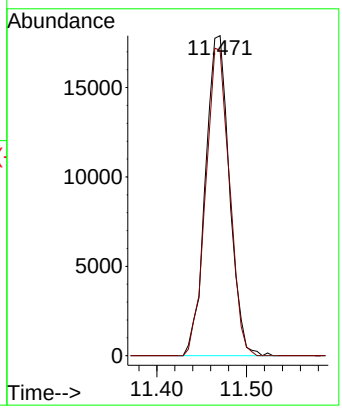


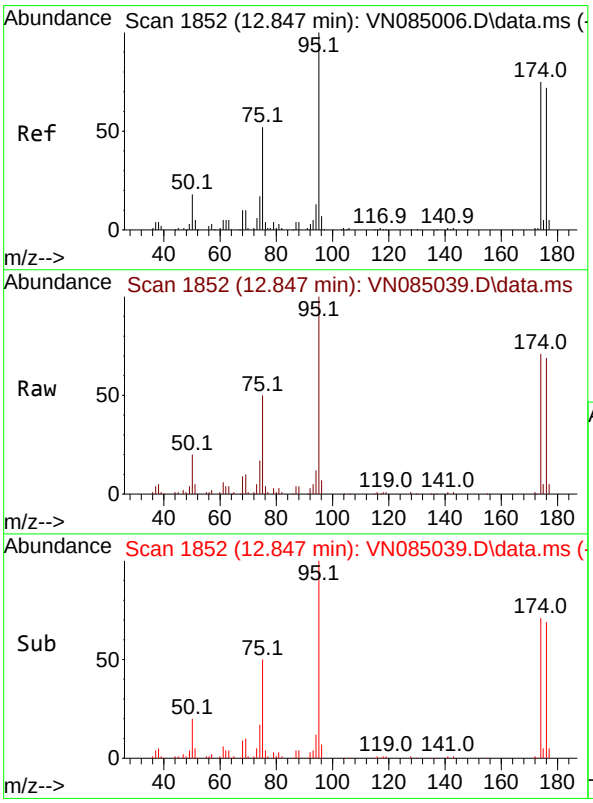
#61
1,2-Dibromoethane
Concen: 20.615 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion:107 Resp: 33207

Ion	Ratio	Lower	Upper
107	100		
109	95.4	76.1	114.1

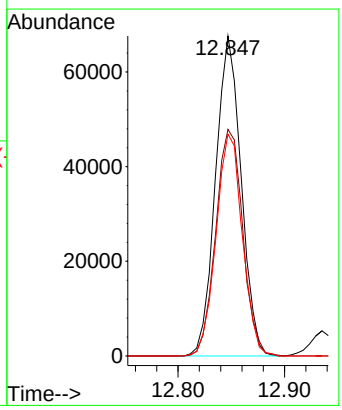


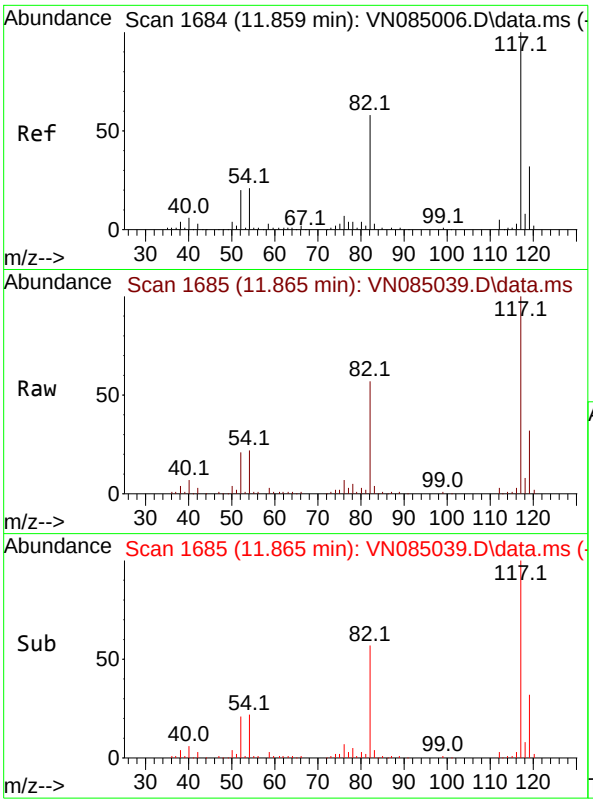


#62
4-Bromofluorobenzene
Concen: 50.996 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 95 Resp: 112610

Ion	Ratio	Lower	Upper
95	100		
174	74.9	0.0	146.6
176	71.4	0.0	141.8



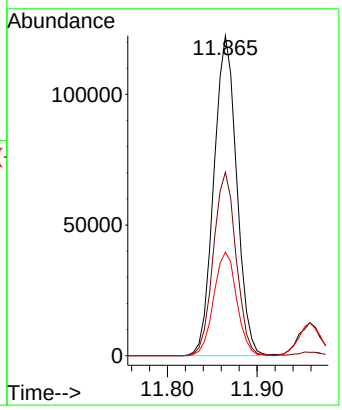


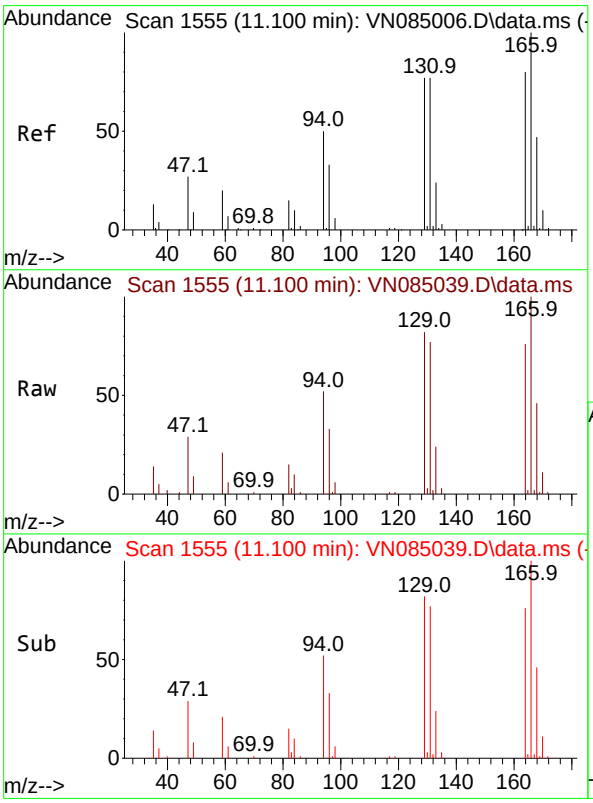
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion:117 Resp: 216462

Ion	Ratio	Lower	Upper
117	100		
82	57.3	46.0	69.0
119	32.3	25.6	38.4

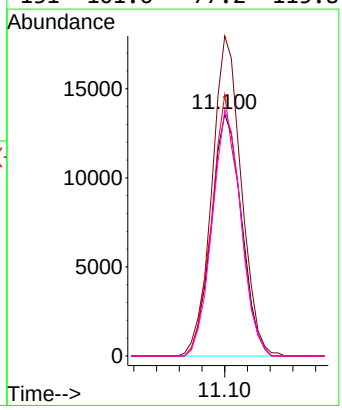


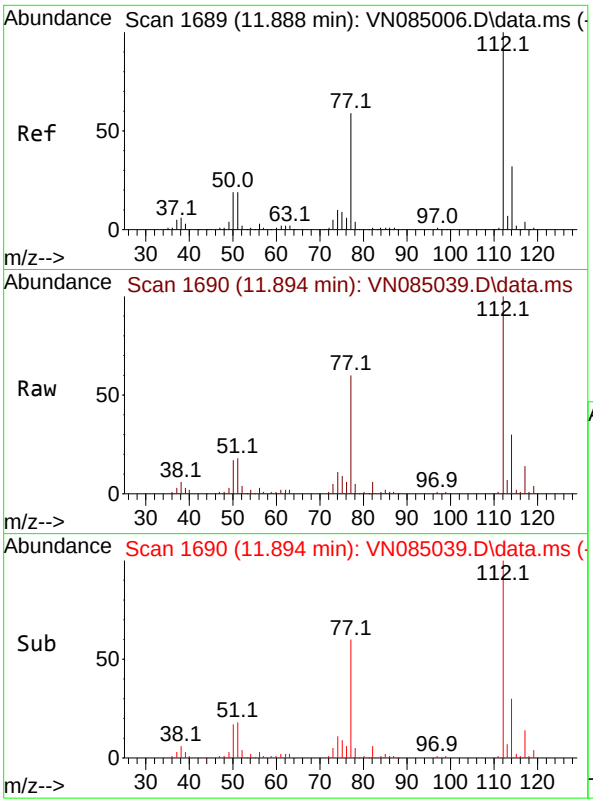


#64
Tetrachloroethene
Concen: 17.171 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:164 Resp: 25046

Ion	Ratio	Lower	Upper
164	100		
166	132.4	100.6	151.0
129	108.1	77.7	116.5
131	101.6	77.2	115.8



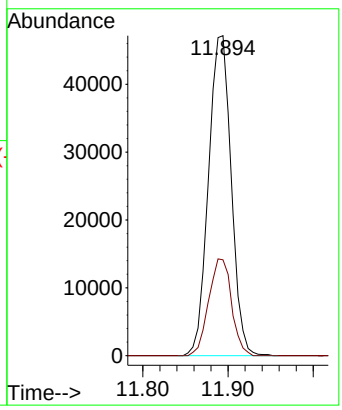


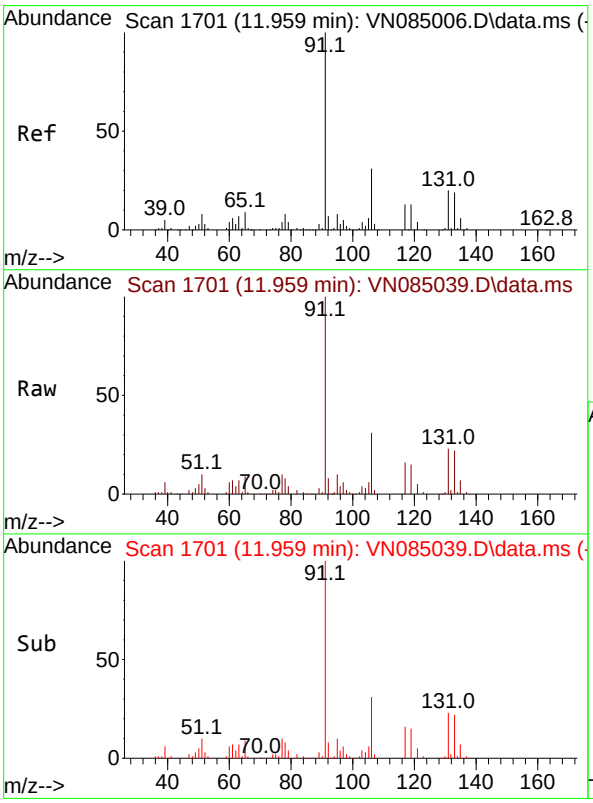
#65
Chlorobenzene
Concen: 17.805 ug/l
RT: 11.894 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion:112 Resp: 87409

Ion	Ratio	Lower	Upper
112	100		
114	29.9	25.8	38.6

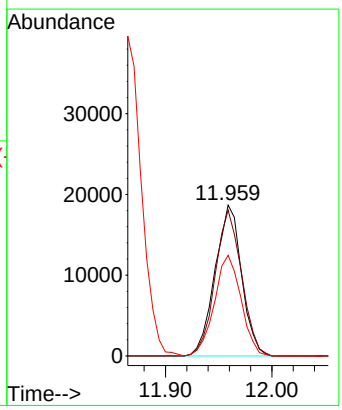


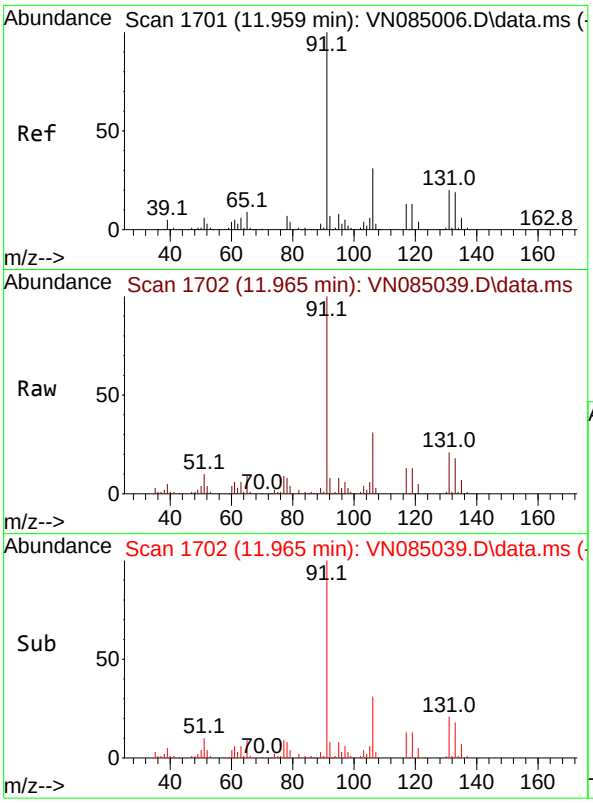


#66
1,1,1,2-Tetrachloroethane
Concen: 18.746 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:131 Resp: 32401

Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.8	143.4
119	66.8	32.1	96.3



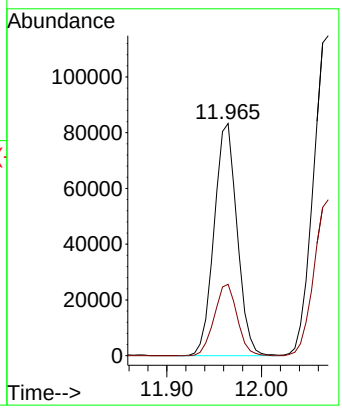


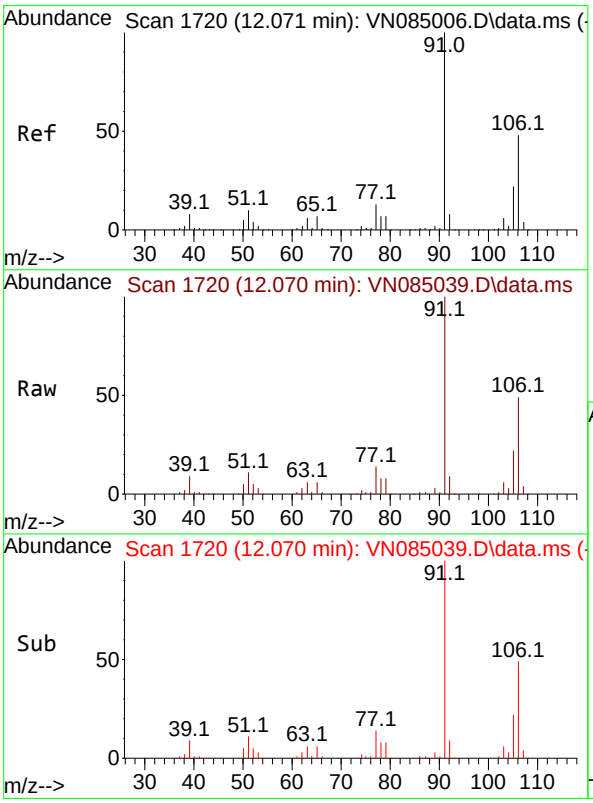
#67
Ethyl Benzene
Concen: 17.641 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion: 91 Resp: 140498

Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.7	37.1

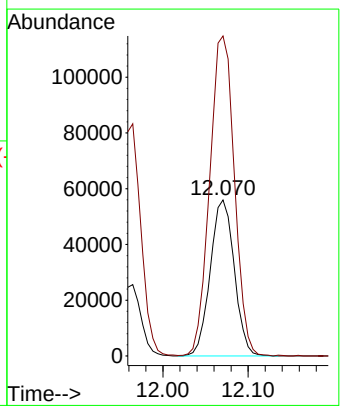


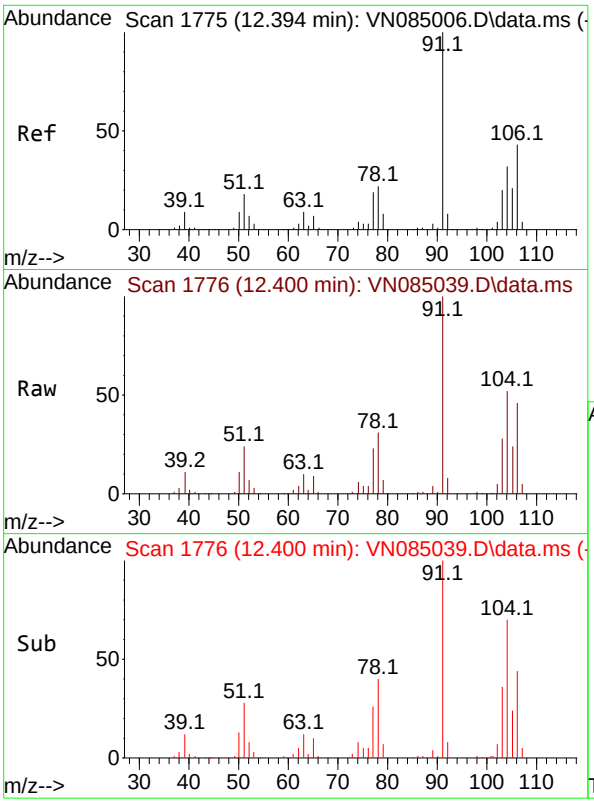


#68
m/p-Xylenes
Concen: 36.083 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:106 Resp: 109412

Ion	Ratio	Lower	Upper
106	100		
91	211.6	168.0	252.0



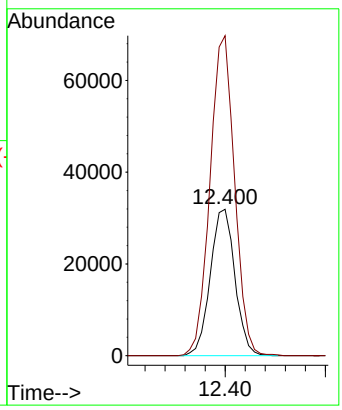


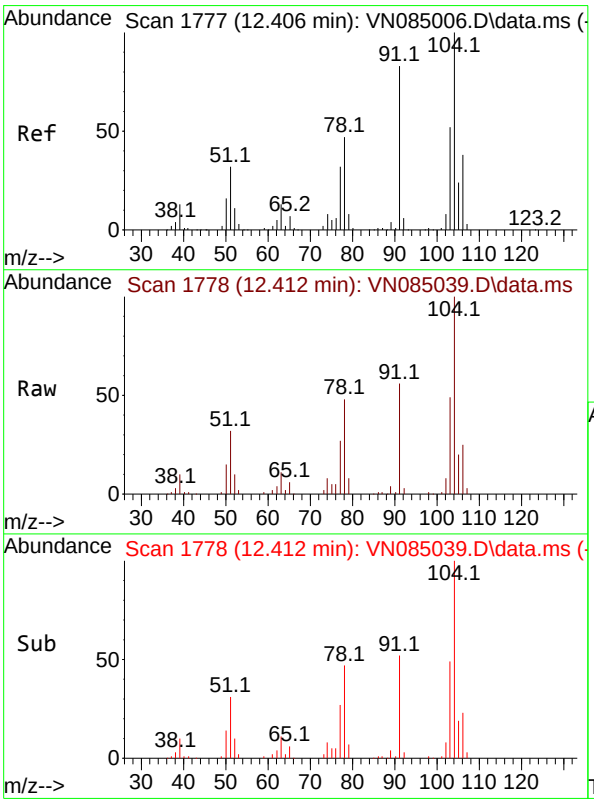
#69
o-Xylene
Concen: 18.896 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion:106 Resp: 54502

Ion	Ratio	Lower	Upper
106	100		
91	218.0	110.7	331.9

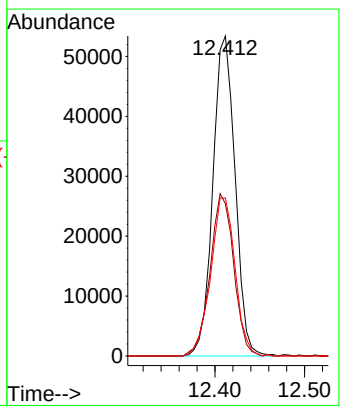


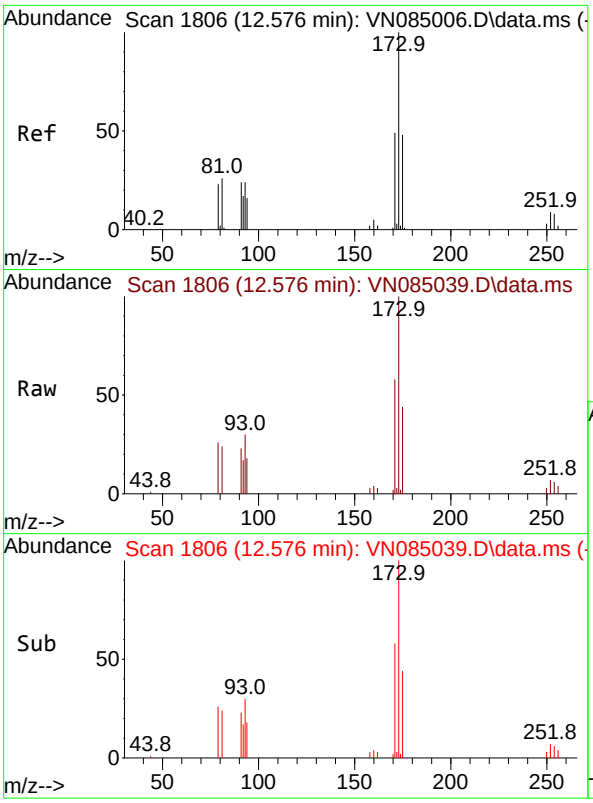


#70
Styrene
Concen: 19.142 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:104 Resp: 91816

Ion	Ratio	Lower	Upper
104	100		
78	54.1	42.3	63.5
103	54.4	44.2	66.2



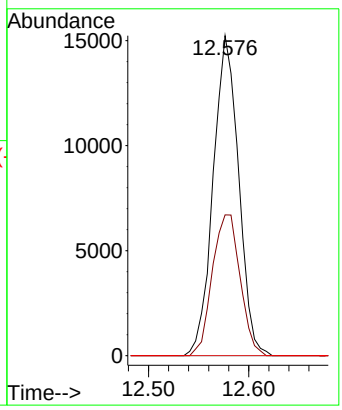


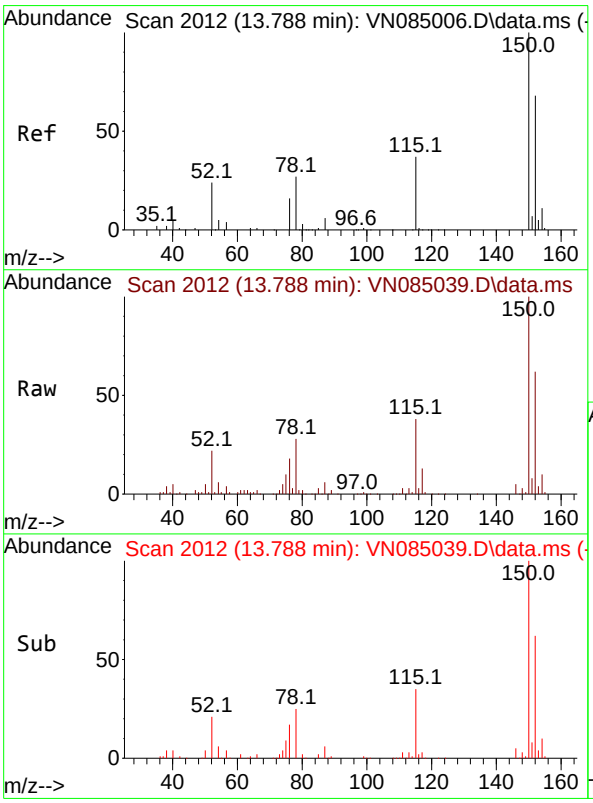
#71
Bromoform
Concen: 20.893 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion:173 Resp: 26805

Ion	Ratio	Lower	Upper
173	100		
175	48.1	23.8	71.2
254	0.0	0.0	0.0

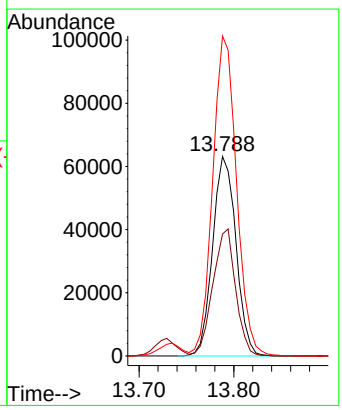


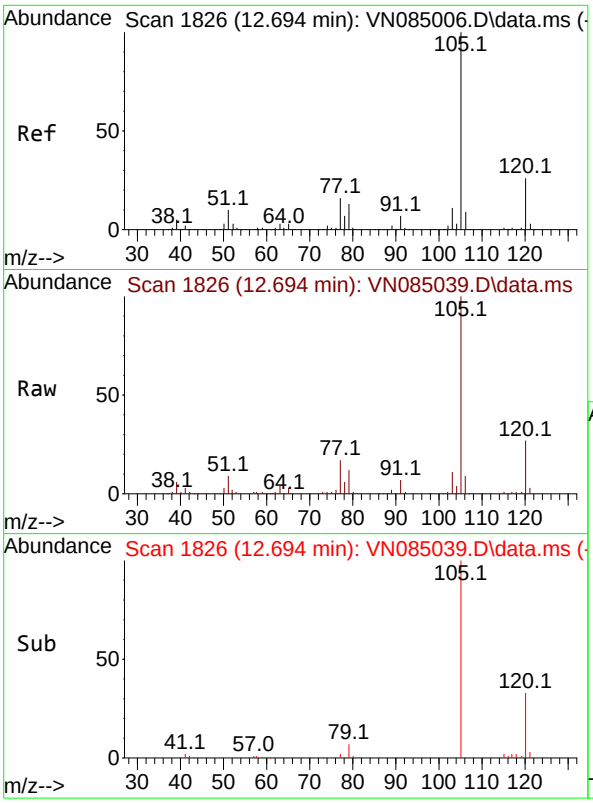


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:152 Resp: 108208

Ion	Ratio	Lower	Upper
152	100		
115	62.0	31.7	95.1
150	163.7	0.0	351.4



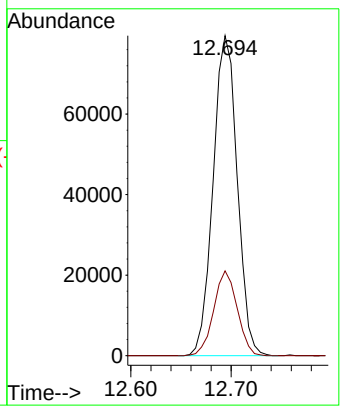


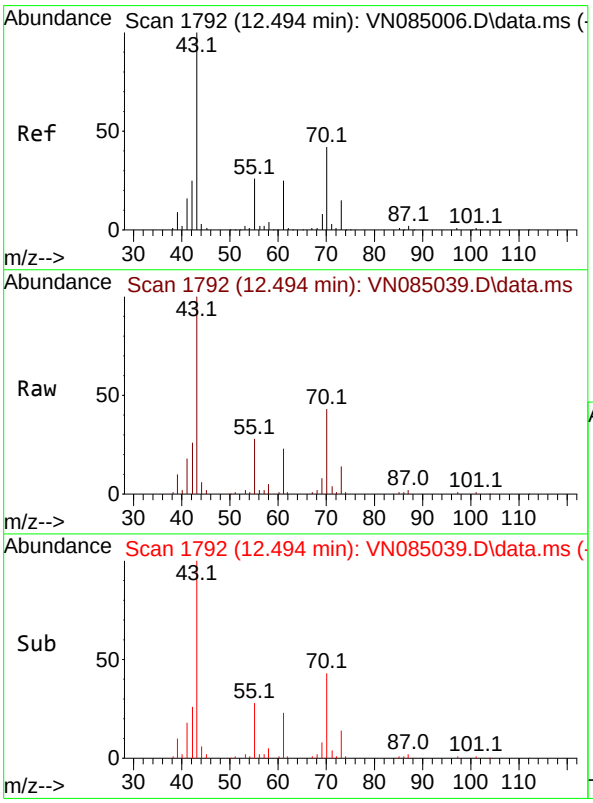
#73
Isopropylbenzene
Concen: 17.391 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion:105 Resp: 132755

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.0	39.0

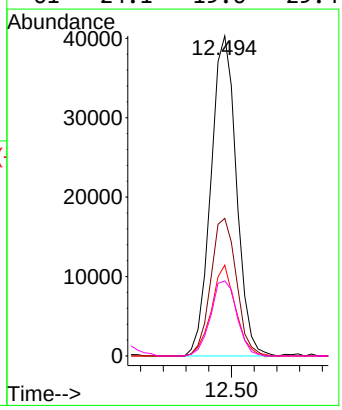


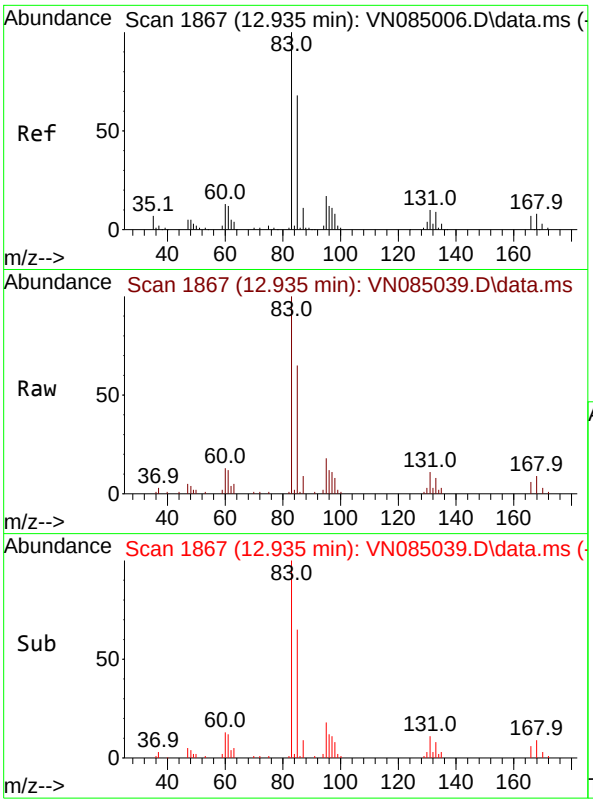


#74
N-amyl acetate
Concen: 20.018 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 43 Resp: 62970

Ion	Ratio	Lower	Upper
43	100		
70	43.1	34.6	51.8
55	26.7	20.5	30.7
61	24.1	19.6	29.4



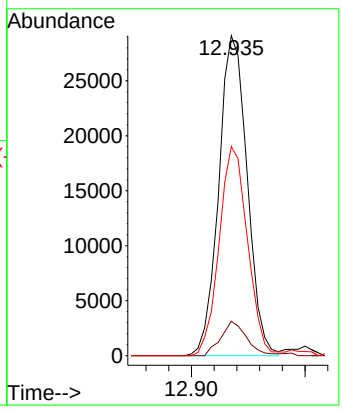


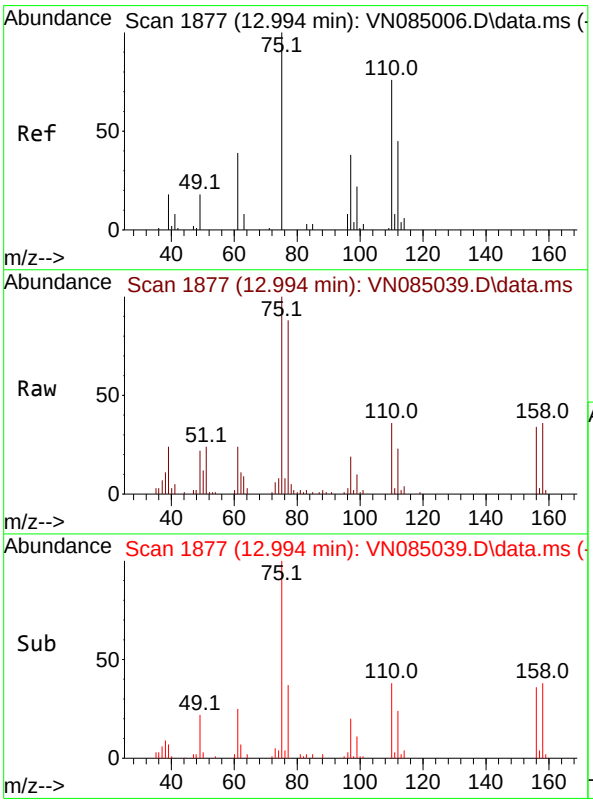
#75
1,1,2,2-Tetrachloroethane
Concen: 19.411 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion: 83 Resp: 50599

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.4
85	65.3	32.1	96.3

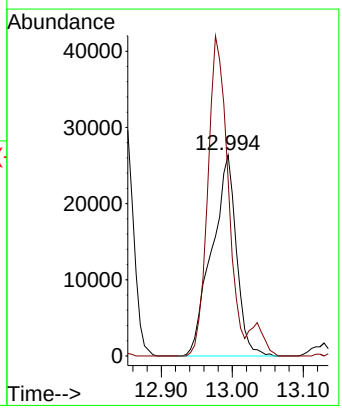


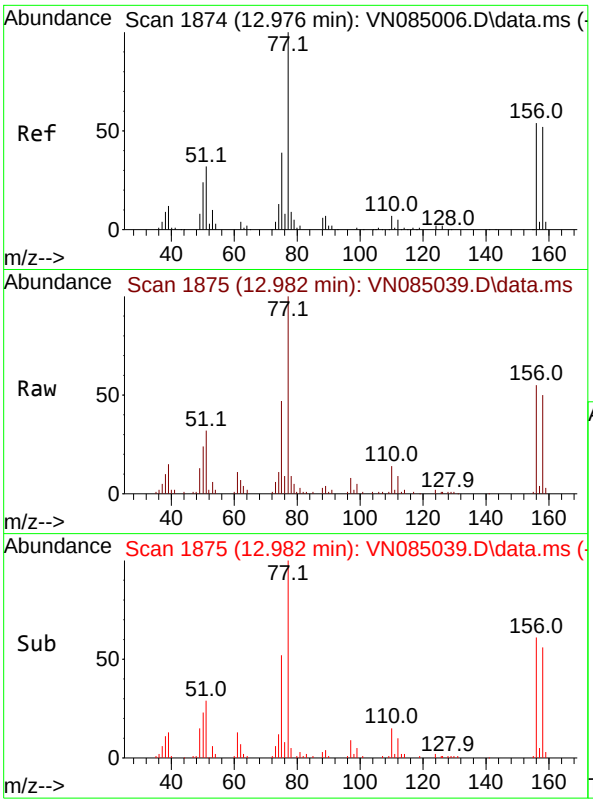


#76
1,2,3-Trichloropropane
Concen: 32.105 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 75 Resp: 63190

Ion	Ratio	Lower	Upper
75	100		
77	130.5	109.1	327.4



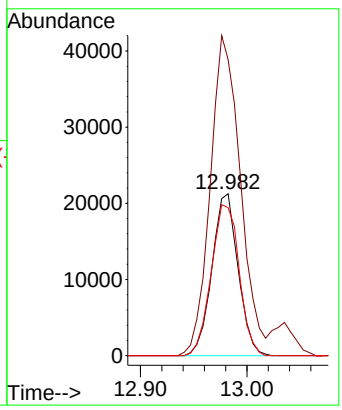


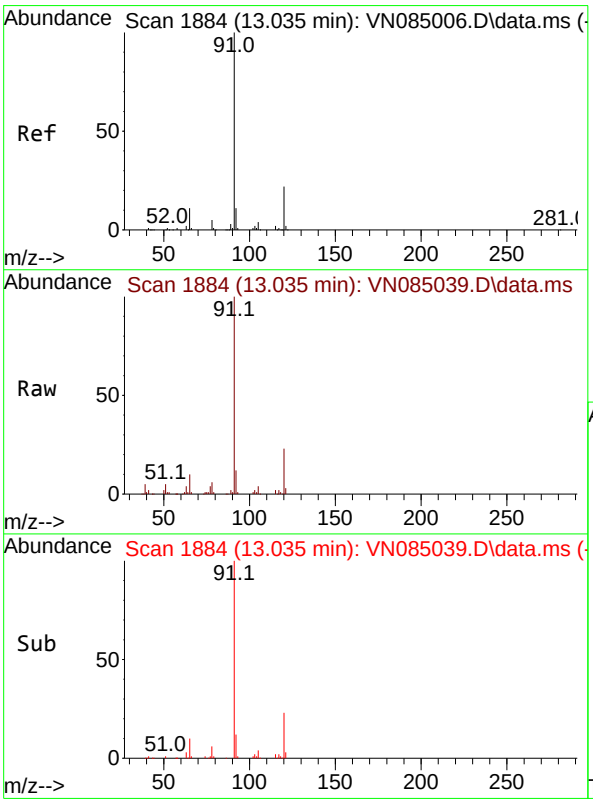
#77
Bromobenzene
Concen: 17.589 ug/l
RT: 12.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion:156 Resp: 36132

Ion	Ratio	Lower	Upper
156	100		
77	228.2	107.2	321.6
158	99.8	48.5	145.6

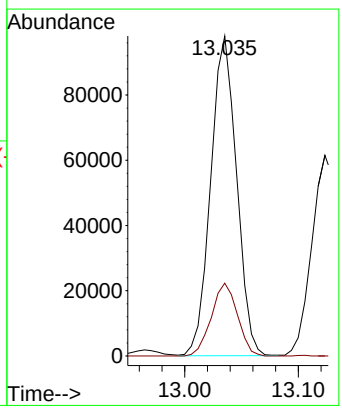


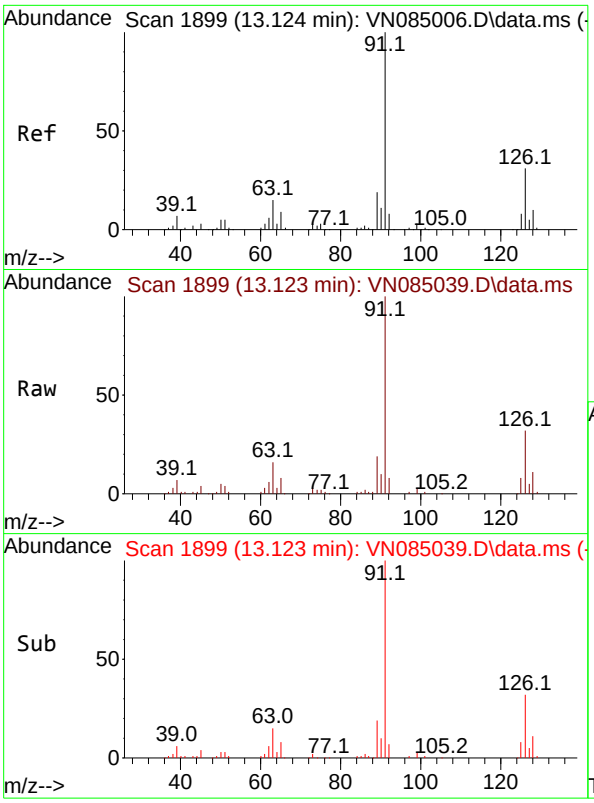


#78
n-propylbenzene
Concen: 17.651 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 91 Resp: 155410

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.3	33.9



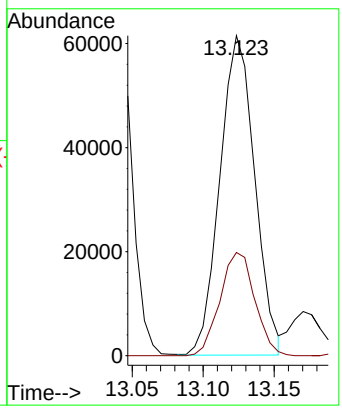


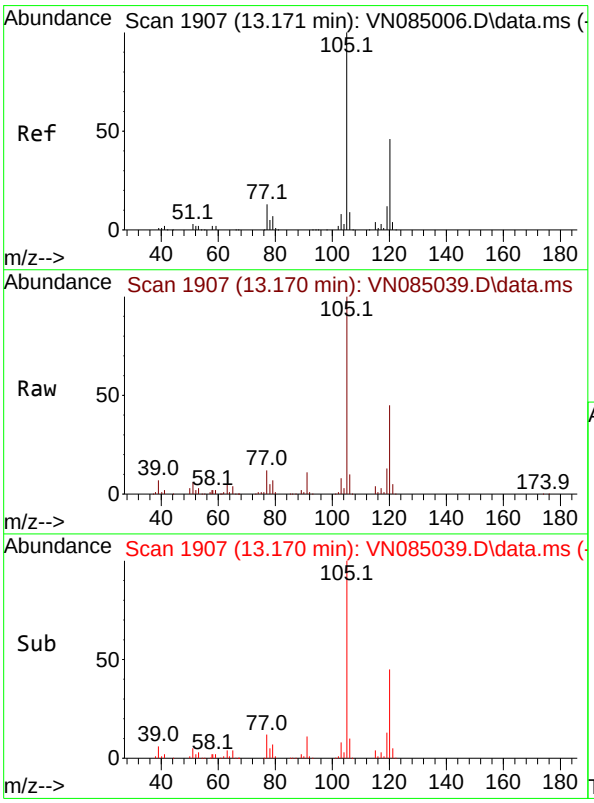
#79
2-Chlorotoluene
Concen: 17.862 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion: 91 Resp: 104984

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.3

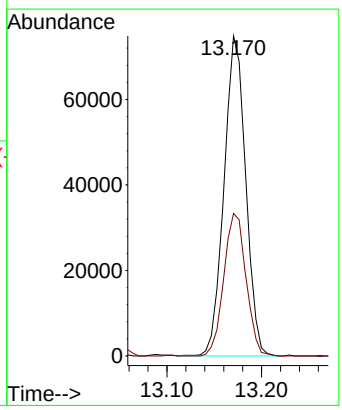


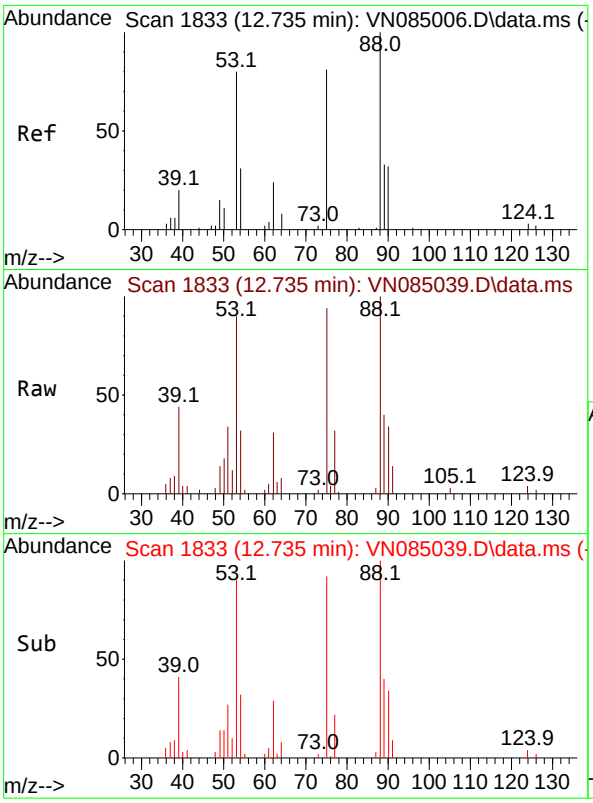


#80
1,3,5-Trimethylbenzene
Concen: 18.581 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:105 Resp: 119023

Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.6	71.0



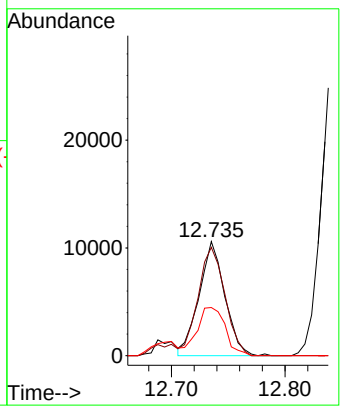


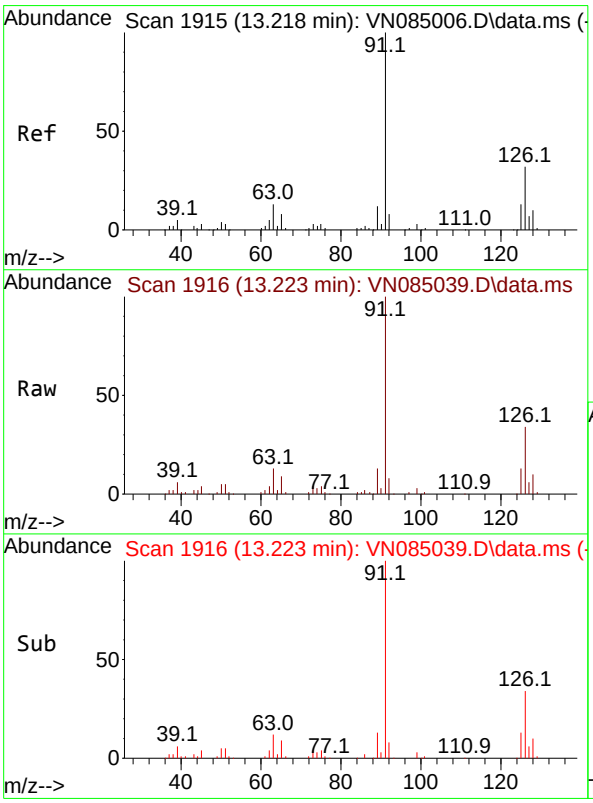
#81
trans-1,4-Dichloro-2-butene
Concen: 18.708 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion: 75 Resp: 16680

Ion	Ratio	Lower	Upper
75	100		
53	99.3	78.2	117.4
89	46.9	37.9	56.9

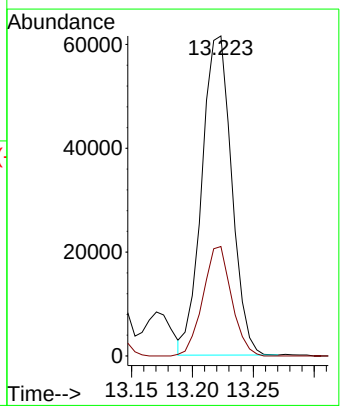


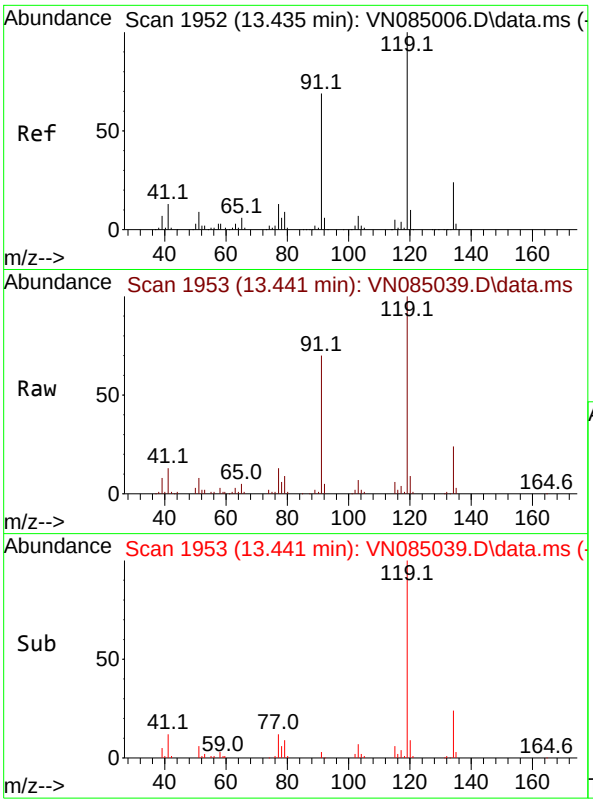


#82
4-Chlorotoluene
Concen: 17.076 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 91 Resp: 104480

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.1	48.3



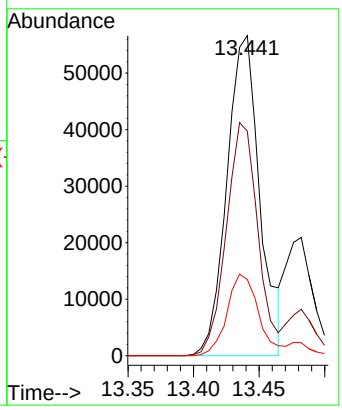


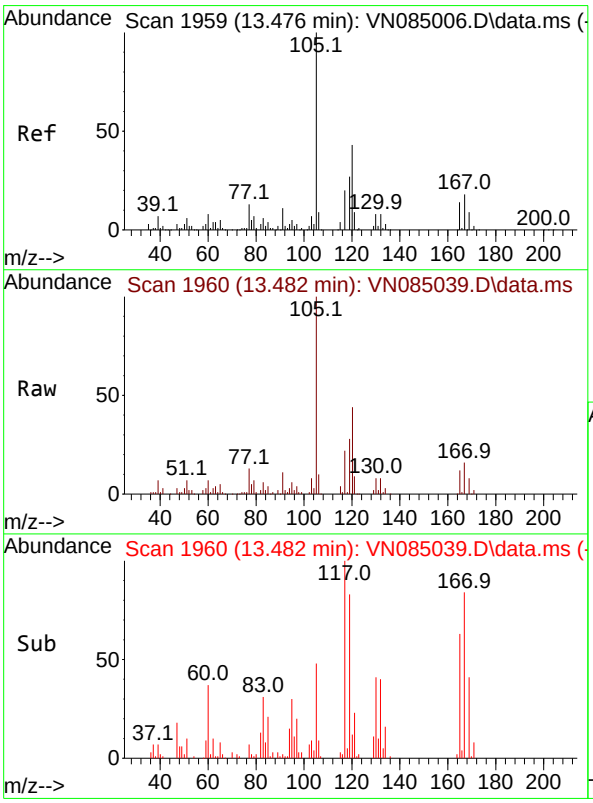
#83
tert-Butylbenzene
Concen: 17.962 ug/l
RT: 13.441 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion:119 Resp: 98995

Ion	Ratio	Lower	Upper
119	100		
91	69.7	35.1	105.5
134	24.7	12.1	36.3

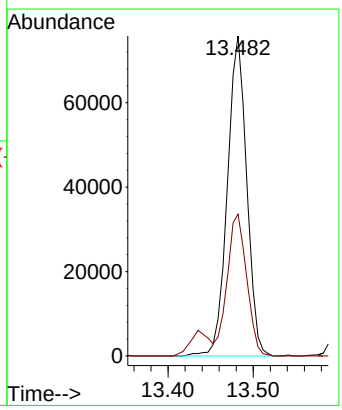


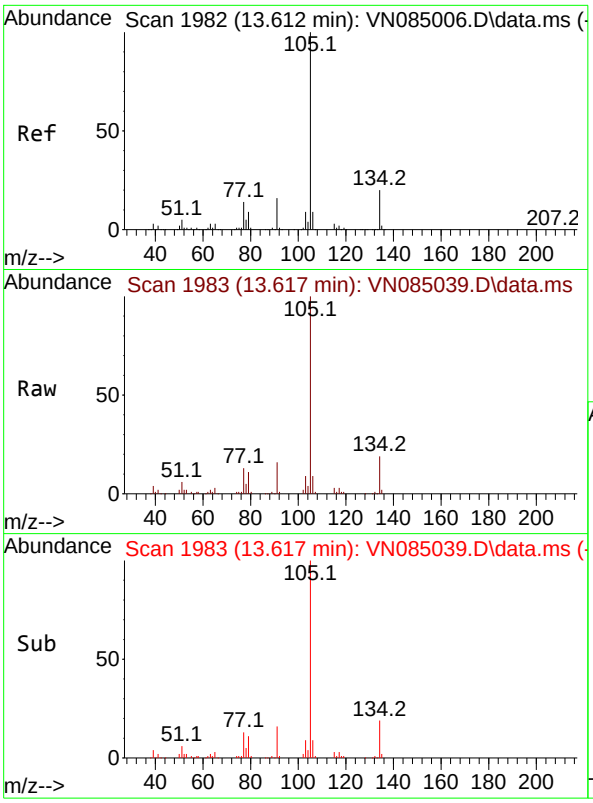


#84
1,2,4-Trimethylbenzene
Concen: 18.164 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:105 Resp: 119771

Ion	Ratio	Lower	Upper
105	100		
120	44.8	21.8	65.4



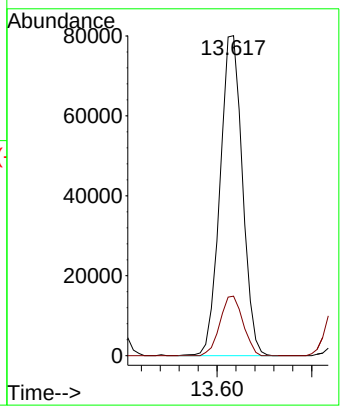


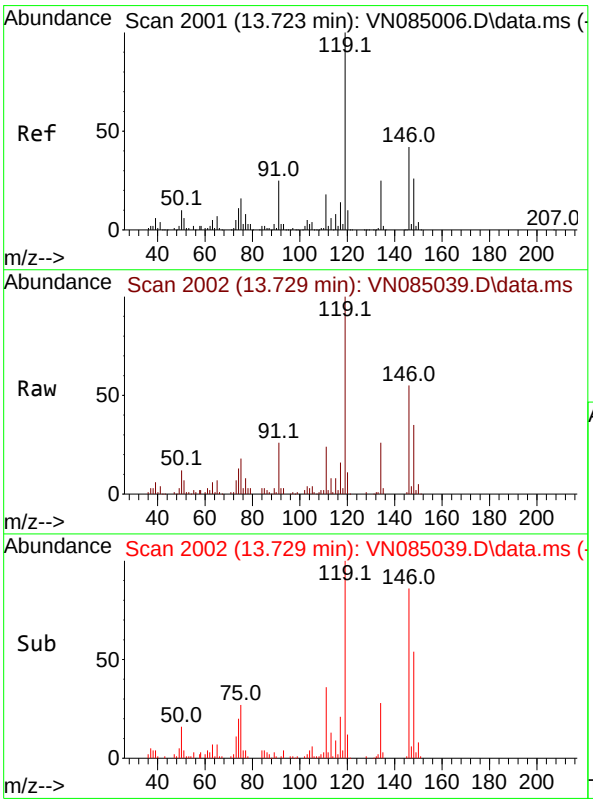
#85
sec-Butylbenzene
Concen: 17.684 ug/l
RT: 13.617 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion:105 Resp: 131666

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.3

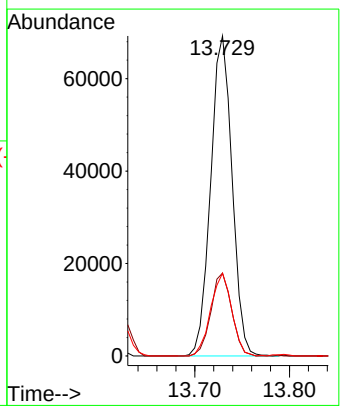


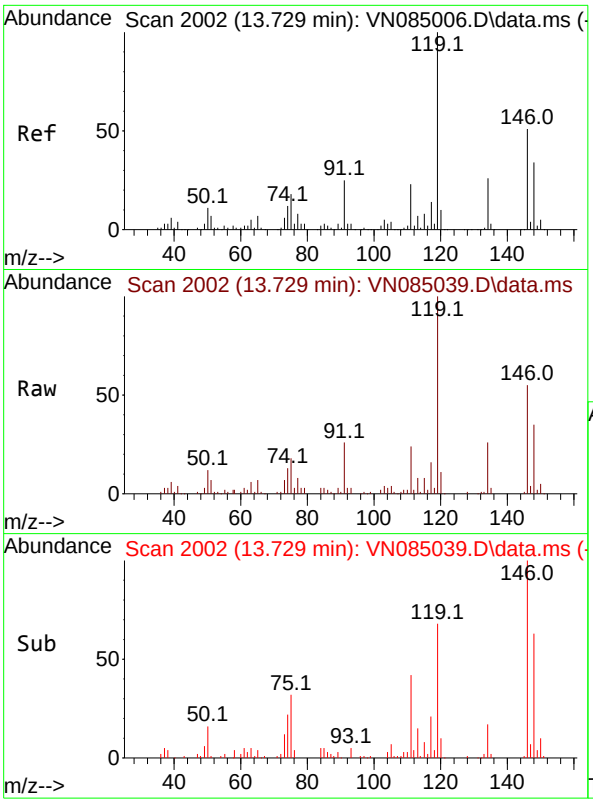


#86
p-Isopropyltoluene
Concen: 17.683 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:119 Resp: 108682

Ion	Ratio	Lower	Upper
119	100		
134	25.2	13.0	39.0
91	25.5	12.8	38.4



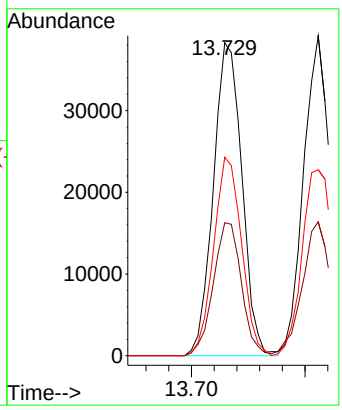


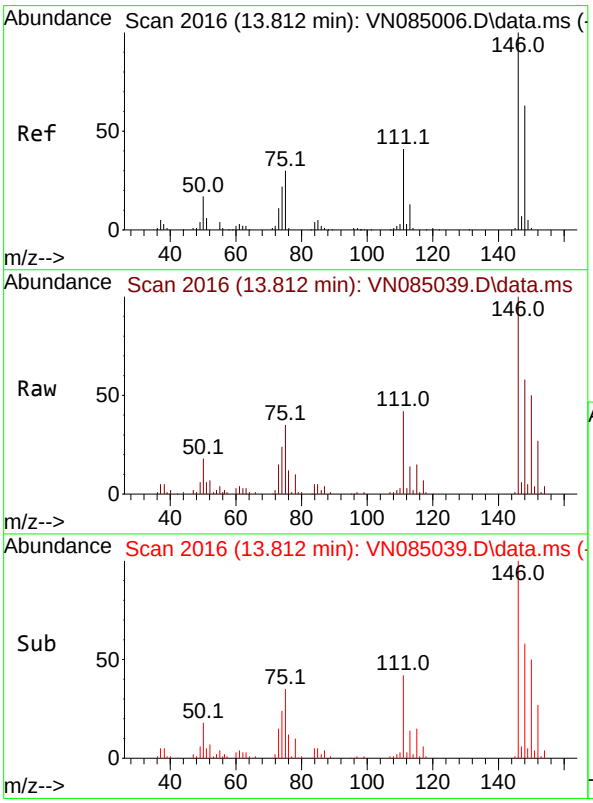
#87
1,3-Dichlorobenzene
Concen: 16.526 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion:146 Resp: 66961

Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.6	65.0
148	62.0	32.2	96.6

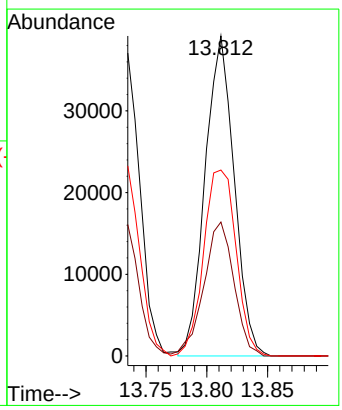


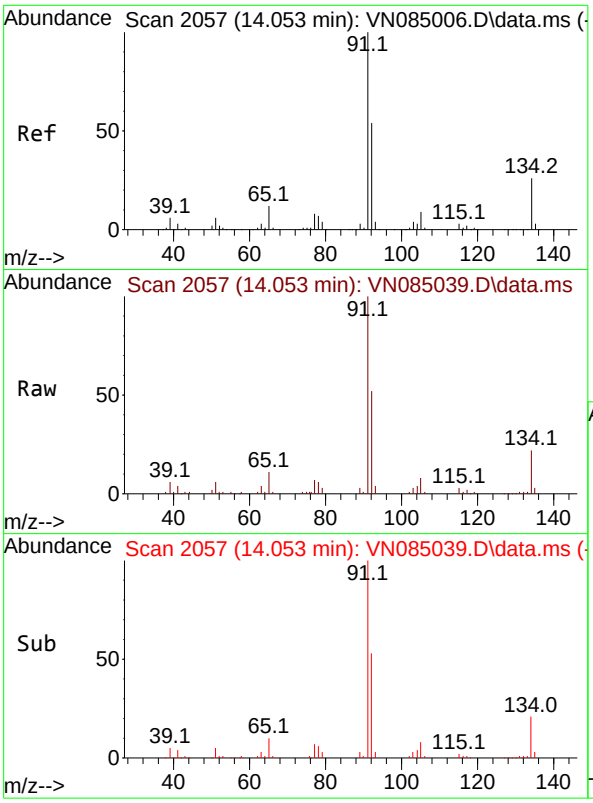


#88
1,4-Dichlorobenzene
Concen: 15.735 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:146 Resp: 65064

Ion	Ratio	Lower	Upper
146	100		
111	43.4	20.9	62.8
148	65.1	31.3	93.9



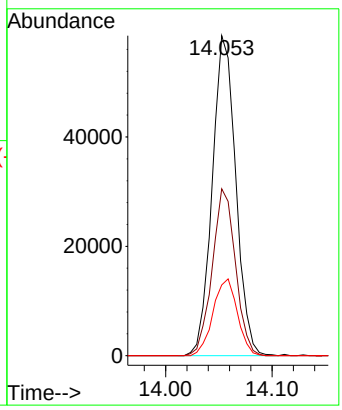


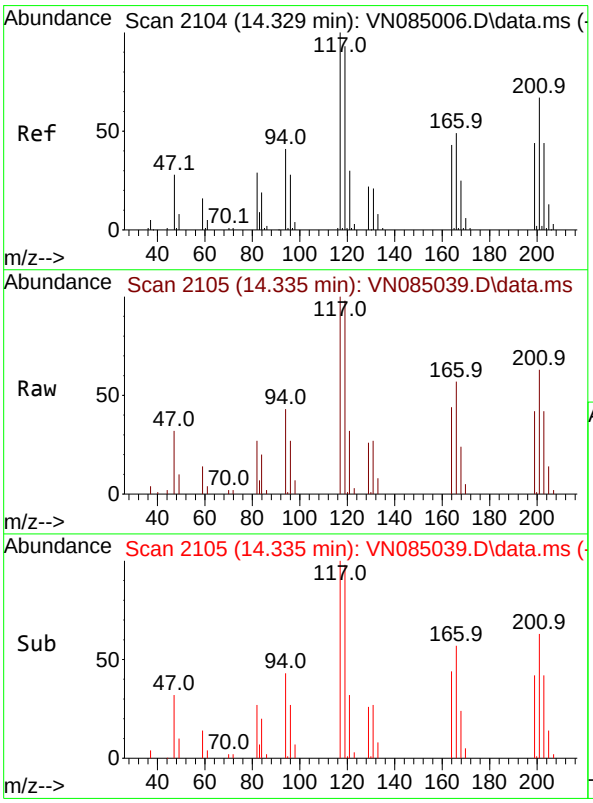
#89
n-Butylbenzene
Concen: 15.709 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion: 91 Resp: 89788

Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.8	80.3
134	24.8	12.8	38.4

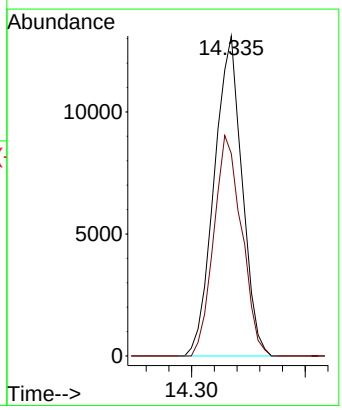


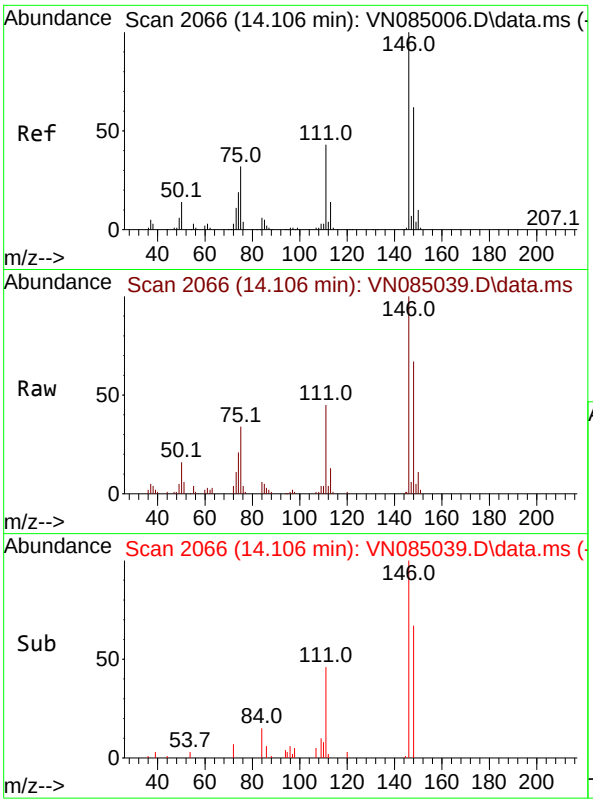


#90
Hexachloroethane
Concen: 16.664 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:117 Resp: 22324

Ion	Ratio	Lower	Upper
117	100		
201	69.2	35.2	105.6



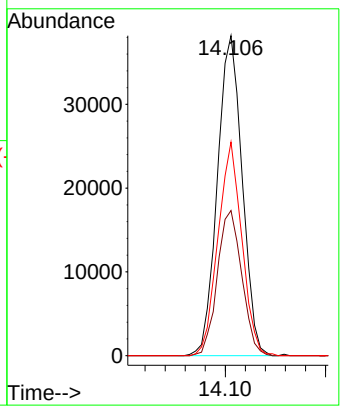


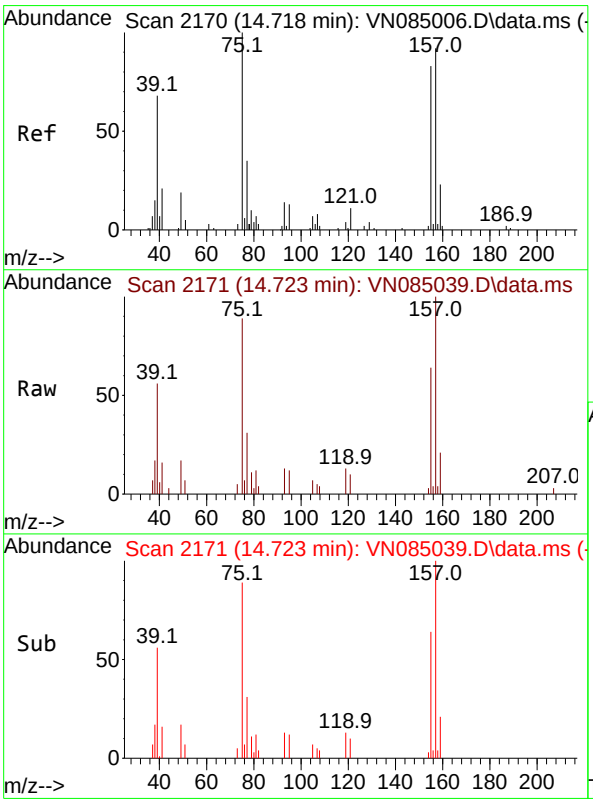
#91
1,2-Dichlorobenzene
Concen: 16.851 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion:146 Resp: 65426

Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.9	65.8
148	64.2	31.1	93.2

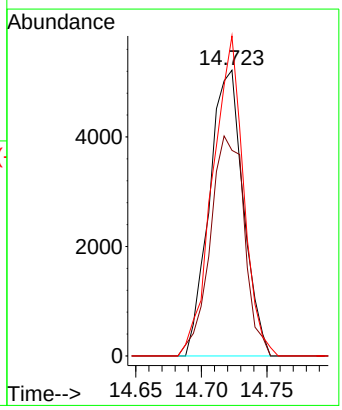


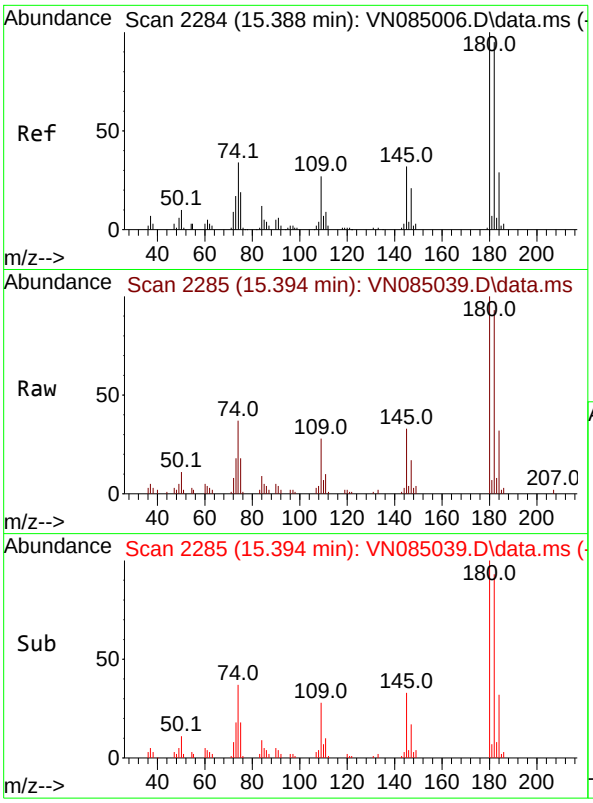


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.632 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion: 75 Resp: 9392

Ion	Ratio	Lower	Upper
75	100		
155	77.6	38.9	116.7
157	101.7	48.3	144.9



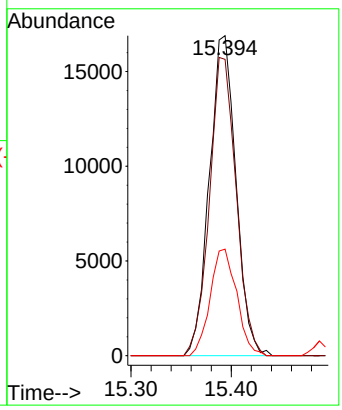


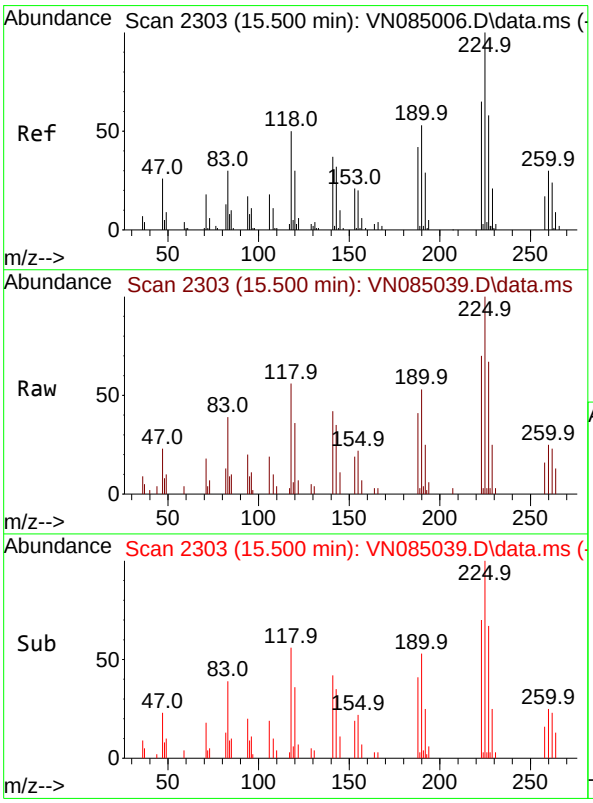
#93
1,2,4-Trichlorobenzene
Concen: 14.750 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion:180 Resp: 31113

Ion	Ratio	Lower	Upper
180	100		
182	93.3	46.9	140.8
145	33.2	16.3	48.8

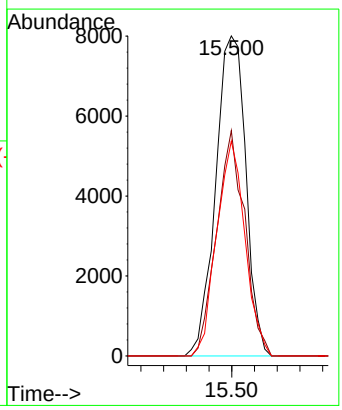


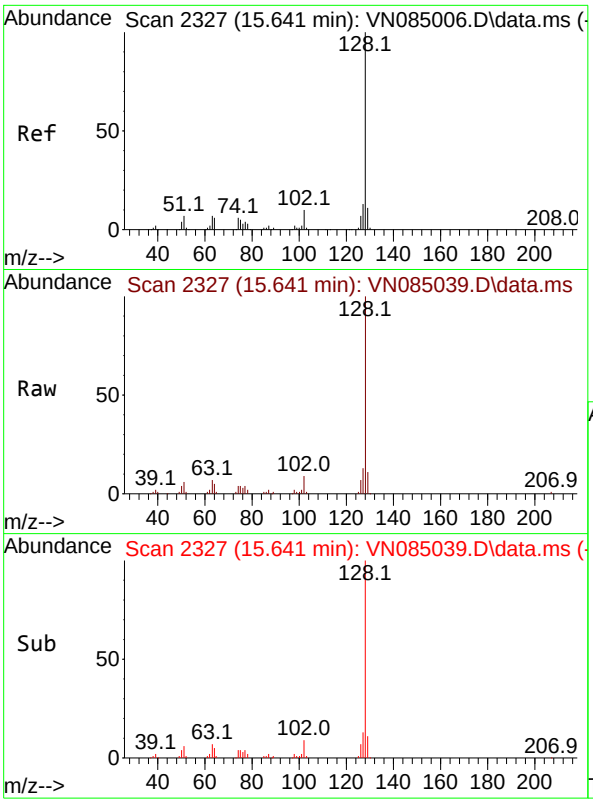


#94
Hexachlorobutadiene
Concen: 15.194 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:225 Resp: 14791

Ion	Ratio	Lower	Upper
225	100		
223	65.8	30.9	92.8
227	62.9	31.5	94.5



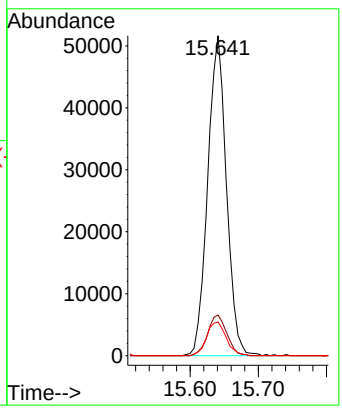


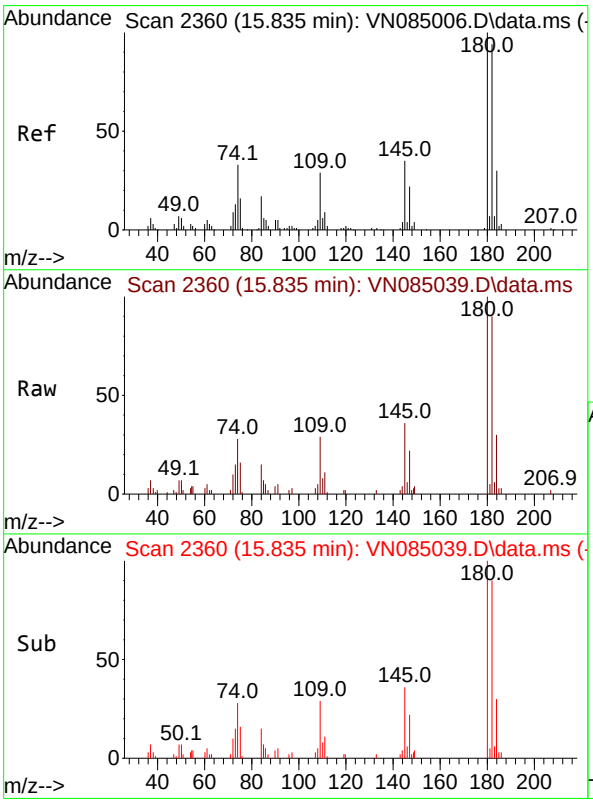
#95
Naphthalene
Concen: 16.428 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion:128 Resp: 98698

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	11.0	8.6	12.8

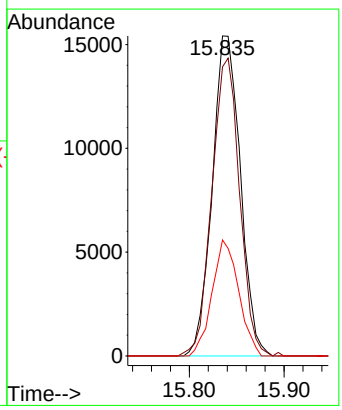




#96
1,2,3-Trichlorobenzene
Concen: 15.824 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085039.D
Acq: 26 Nov 2024 13:44

Tgt Ion:180 Resp: 31849

Ion	Ratio	Lower	Upper
180	100		
182	91.6	46.4	139.2
145	34.2	17.3	52.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085041.D
Acq On : 26 Nov 2024 14:32
Operator : JC\MD
Sample : P4845-22RE
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

Quant Time: Nov 27 05:13:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	157662	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	275299	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	237019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	100055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118735	52.870	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.740%			
35) Dibromofluoromethane	8.159	113	95126	51.239	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.480%			
50) Toluene-d8	10.565	98	315562	47.429	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.860%			
62) 4-Bromofluorobenzene	12.847	95	112193	45.091	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.180%			
Target Compounds						Qvalue
3) Chloromethane	2.353	50	733	0.354	ug/l #	40
11) Tert butyl alcohol	5.512	59	353	1.176	ug/l #	75
16) Acetone	4.447	43	2511	3.839	ug/l #	77
18) Methyl Acetate	5.030	43	1014	Below Cal	#	50
30) Chloroform	7.953	83	3384	0.936	ug/l #	71
31) Cyclohexane	8.218	56	3412	1.141	ug/l #	9
32) 1,1,1-Trichloroethane	8.159	97	709	0.217	ug/l #	24
36) 1,1-Dichloropropene	8.218	75	13180	5.241	ug/l #	50
38) Carbon Tetrachloride	8.359	117	13318	4.588	ug/l	90
42) 1,2-Dichloroethane	8.665	62	649	0.239	ug/l #	75
43) Isopropyl Acetate	8.671	43	1878	0.395	ug/l #	55
44) Trichloroethene	9.353	130	1300	0.703	ug/l	70
51) 4-Methyl-2-Pentanone	10.565	43	1236	0.570	ug/l #	1
71) Bromoform	12.841	173	443	0.315	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	58770	32.293	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	58770	71.288	ug/l #	10
82) 4-Chlorotoluene	13.229	91	1229	0.217	ug/l #	50
87) 1,3-Dichlorobenzene	13.729	146	766	0.204	ug/l	93
88) 1,4-Dichlorobenzene	13.729	146	766	0.200	ug/l	92
93) 1,2,4-Trichlorobenzene	15.394	180	715	0.367	ug/l #	80
95) Naphthalene	15.641	128	1921	0.346	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.847	180	901	0.484	ug/l	89

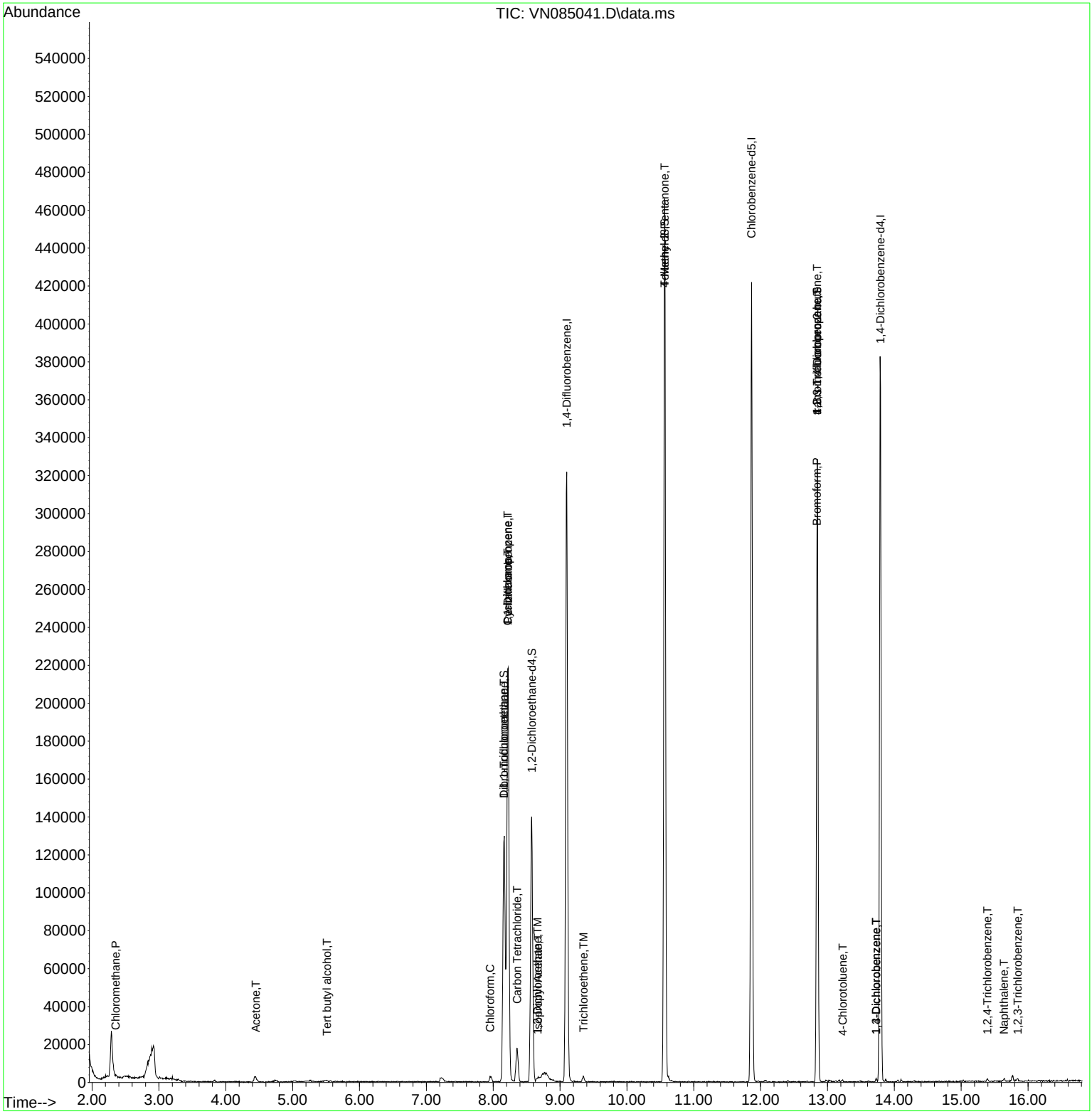
(#) = qualifier out of range (m) = manual integration (+) = signals summed

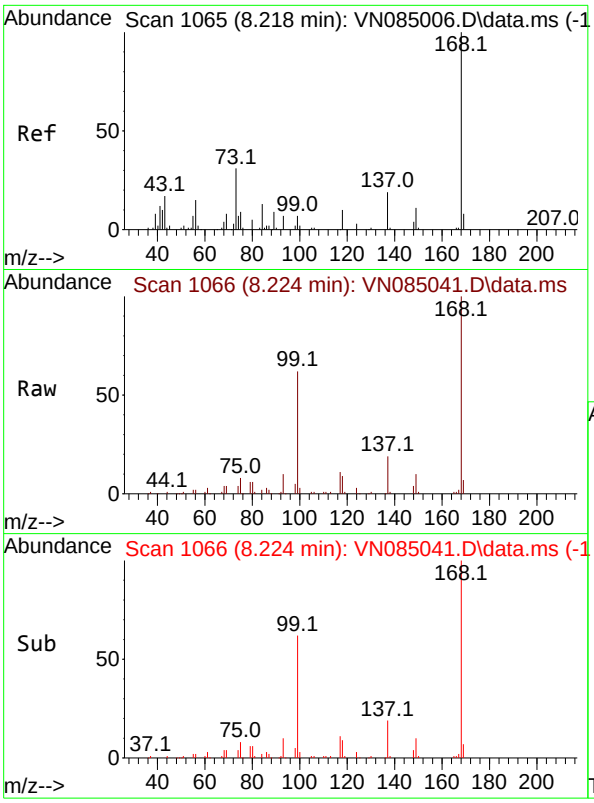
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085041.D
Acq On : 26 Nov 2024 14:32
Operator : JC\MD
Sample : P4845-22RE
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

Quant Time: Nov 27 05:13:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



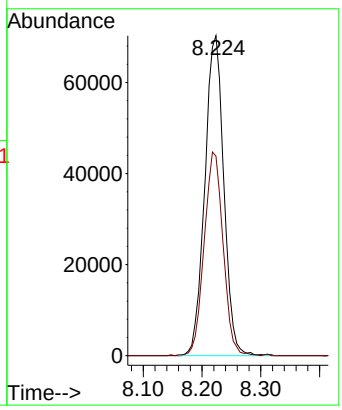


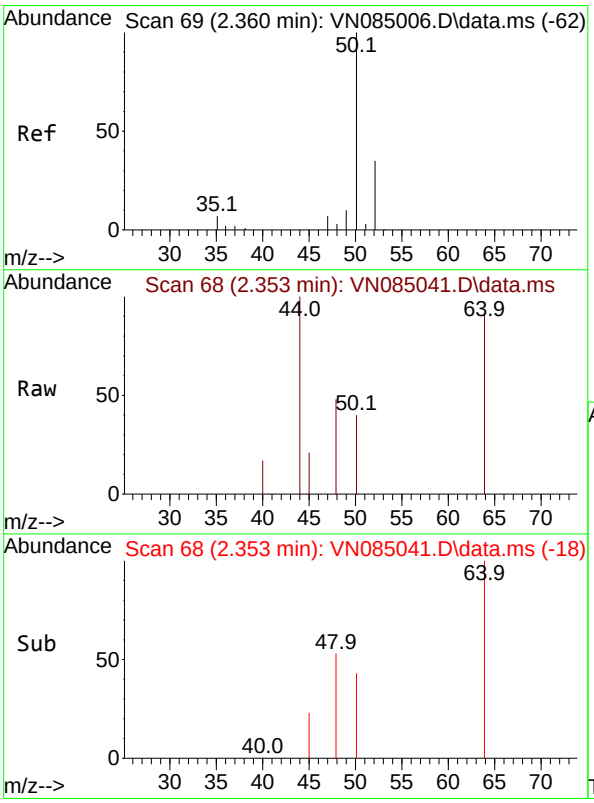
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

Tgt Ion:168 Resp: 157662

Ion	Ratio	Lower	Upper
168	100		
99	62.4	51.2	76.8

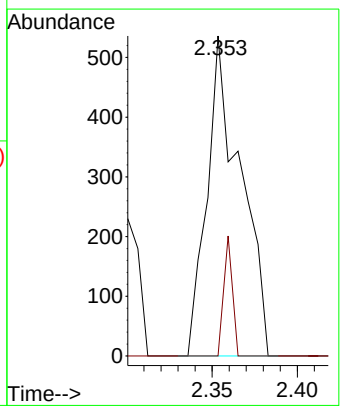


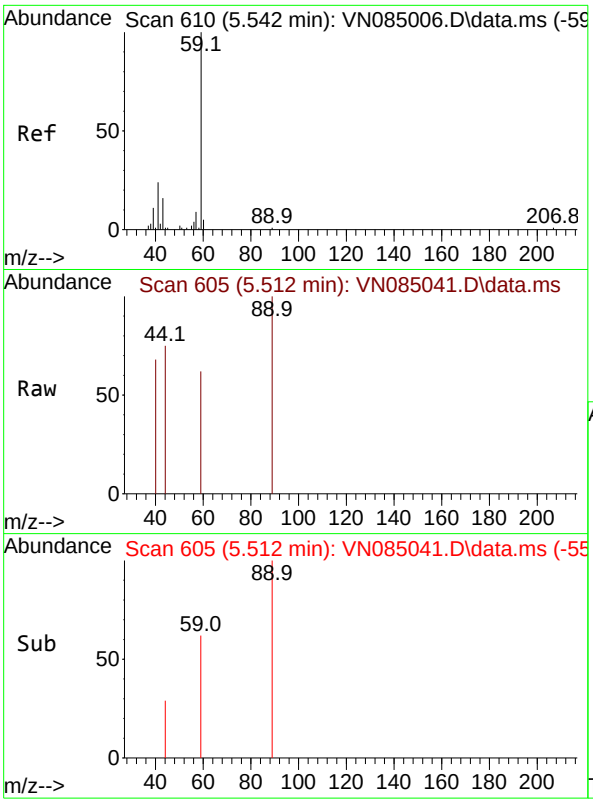


#3
Chloromethane
Concen: 0.354 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion: 50 Resp: 733

Ion	Ratio	Lower	Upper
50	100		
52	0.0	27.8	41.8#



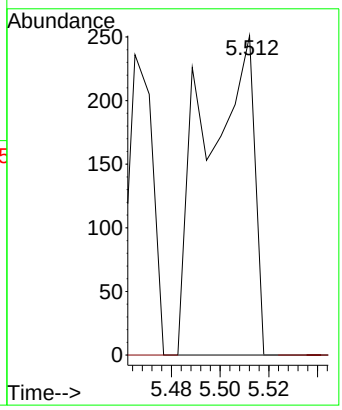


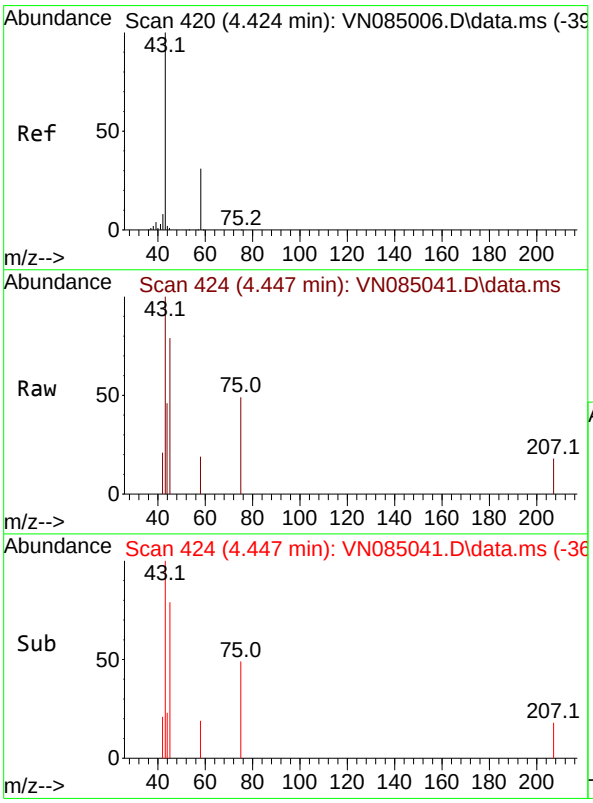
#11
Tert butyl alcohol
Concen: 1.176 ug/l
RT: 5.512 min Scan# 6
Delta R.T. -0.030 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

Tgt Ion: 59 Resp: 353

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.4	11.0#

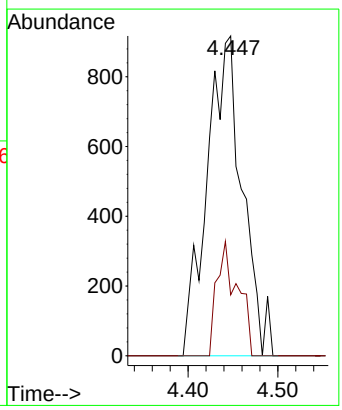


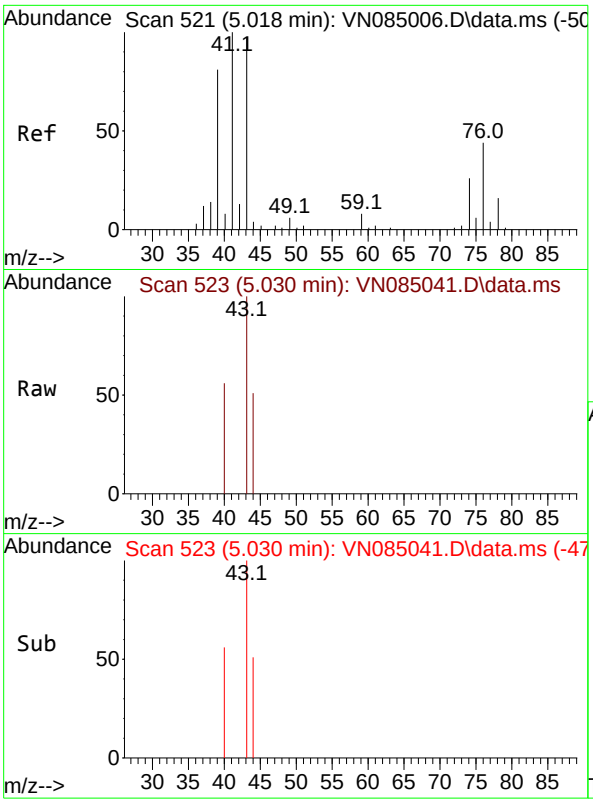


#16
Acetone
Concen: 3.839 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.023 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion: 43 Resp: 2511

Ion	Ratio	Lower	Upper
43	100		
58	19.1	25.4	38.2#



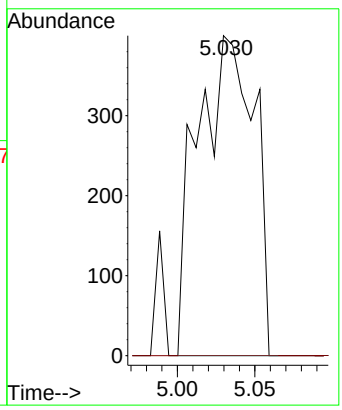


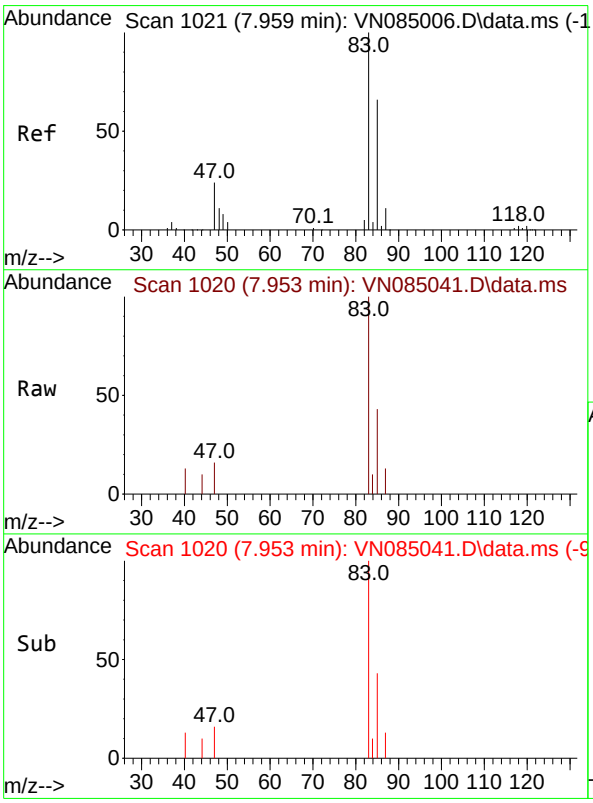
#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 5
Delta R.T. 0.012 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

Tgt Ion: 43 Resp: 1014

Ion	Ratio	Lower	Upper
43	100		
74	0.0	20.1	30.1#

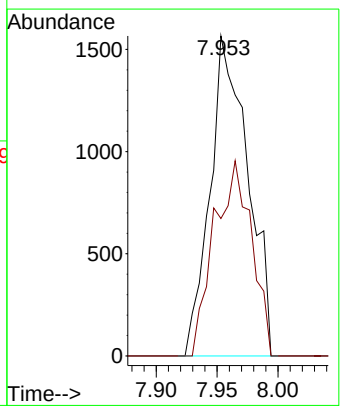


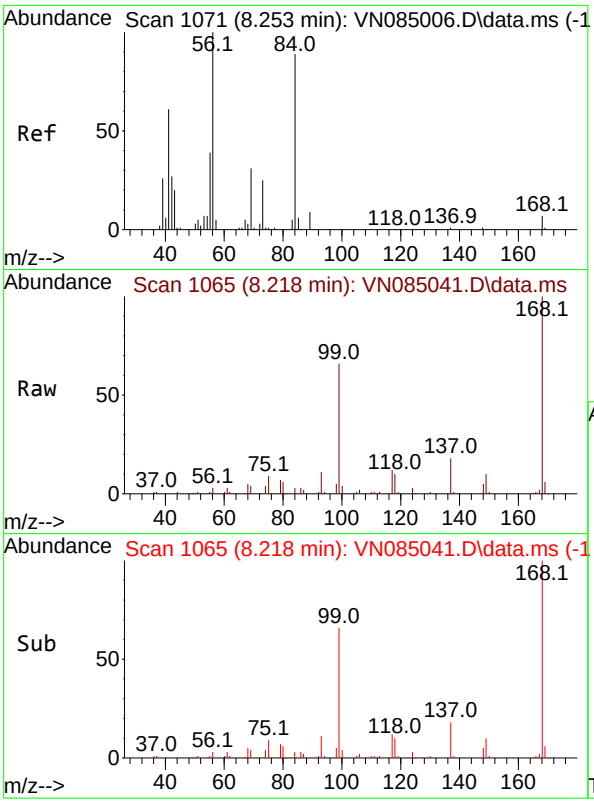


#30
Chloroform
Concen: 0.936 ug/l
RT: 7.953 min Scan# 1020
Delta R.T. -0.006 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion: 83 Resp: 3384

Ion	Ratio	Lower	Upper
83	100		
85	43.0	52.6	78.8#



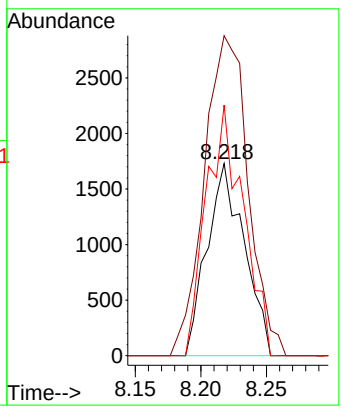


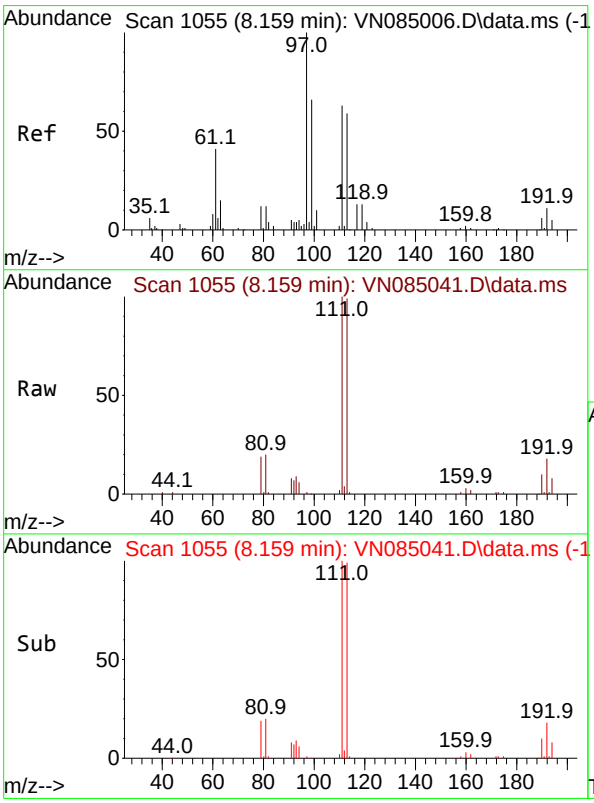
#31
Cyclohexane
Concen: 1.141 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.035 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

Tgt Ion: 56 Resp: 3412

Ion	Ratio	Lower	Upper
56	100		
69	156.2	24.6	36.8#
84	130.5	71.4	107.2#

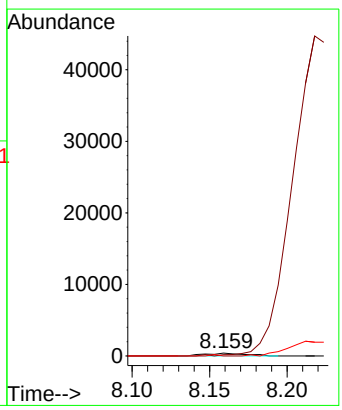


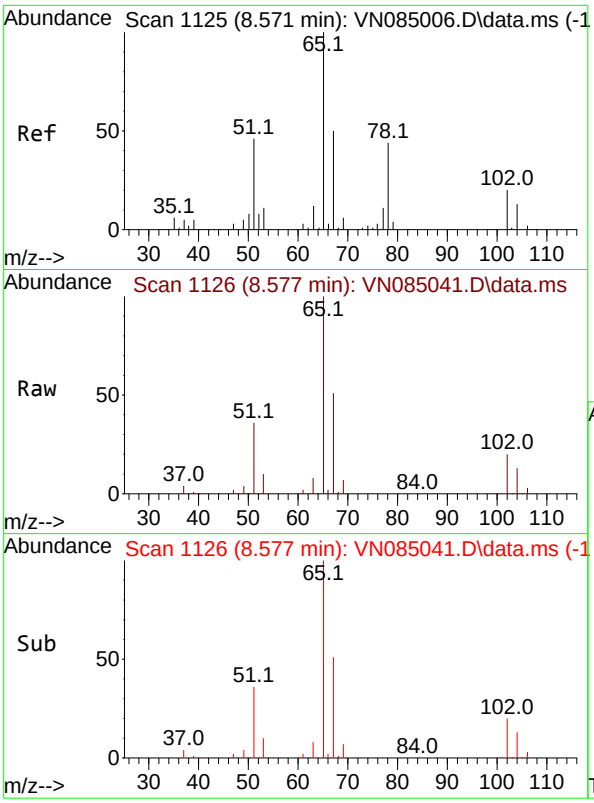


#32
1,1,1-Trichloroethane
Concen: 0.217 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion: 97 Resp: 709

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.0	76.4#
61	0.0	36.2	54.2#



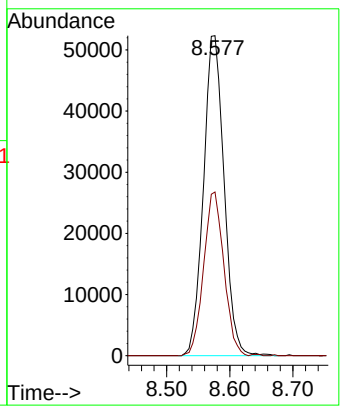


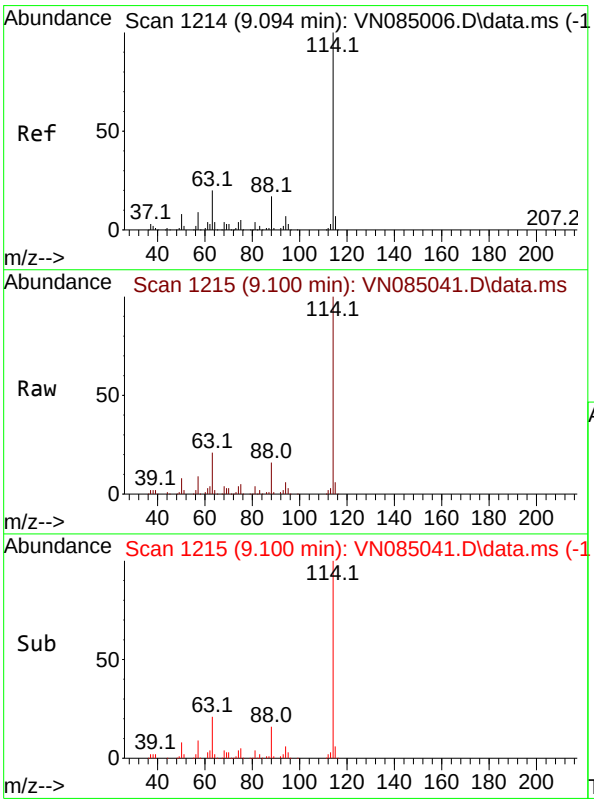
#33
1,2-Dichloroethane-d4
Concen: 52.870 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

Tgt Ion: 65 Resp: 118735

Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	105.0

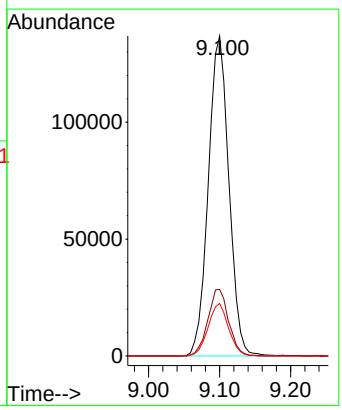


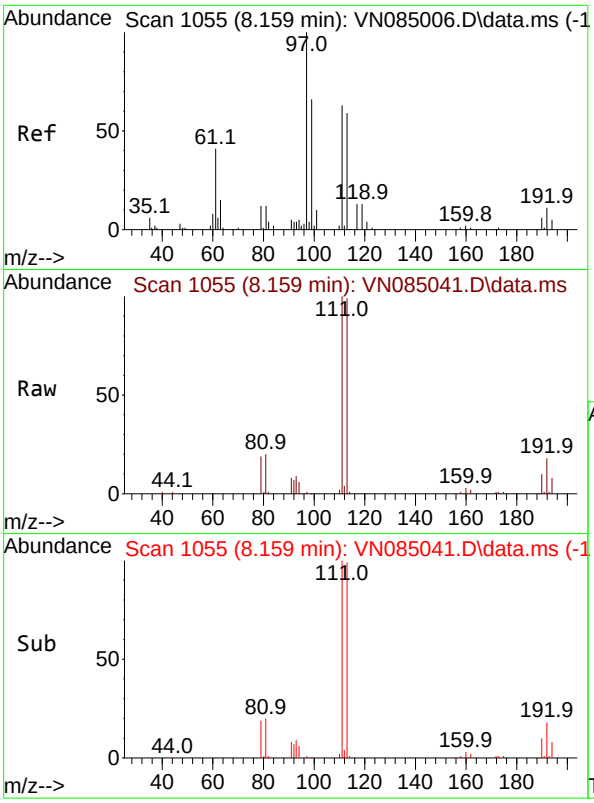


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion:114 Resp: 275299

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	41.0
88	16.4	0.0	34.8



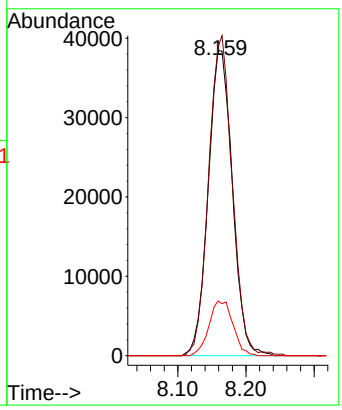


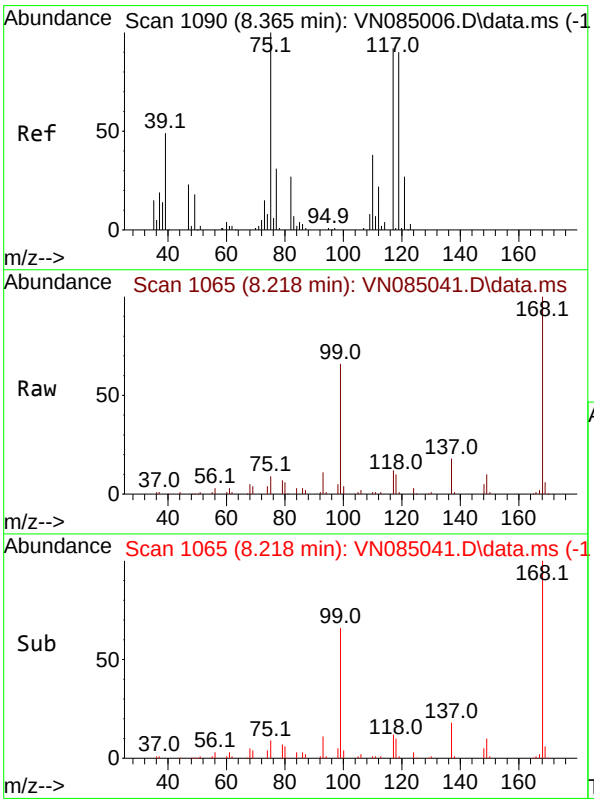
#35
Dibromofluoromethane
Concen: 51.239 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

Tgt Ion:113 Resp: 95126

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.0	123.0
192	17.8	14.8	22.2

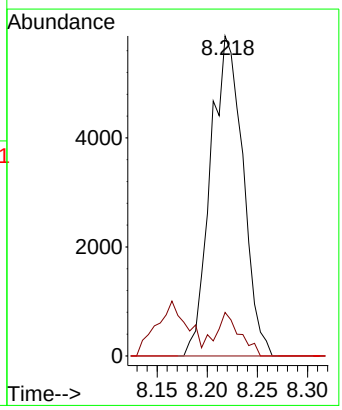


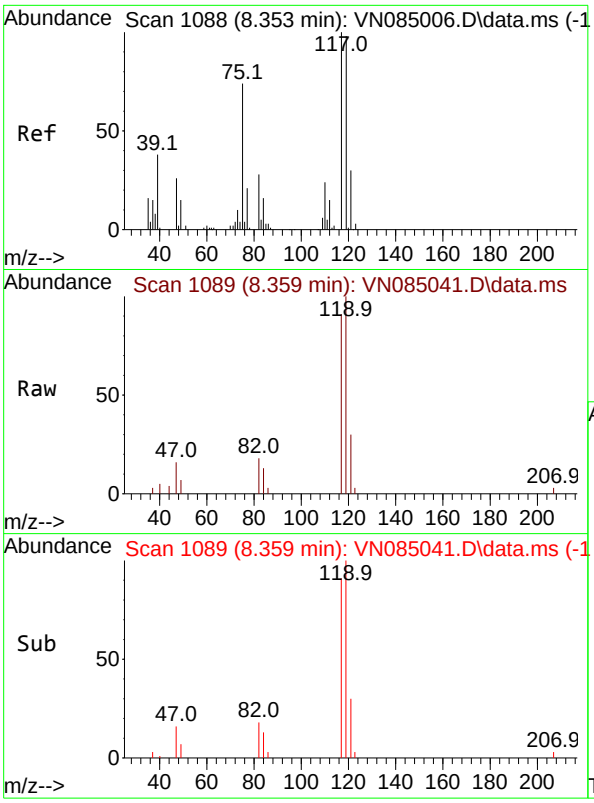


#36
1,1-Dichloropropene
Concen: 5.241 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion: 75 Resp: 13180

Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.2	51.6#
77	0.0	24.2	36.4#



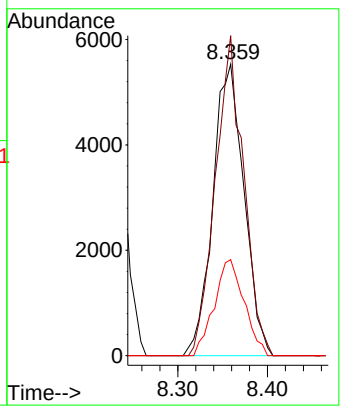


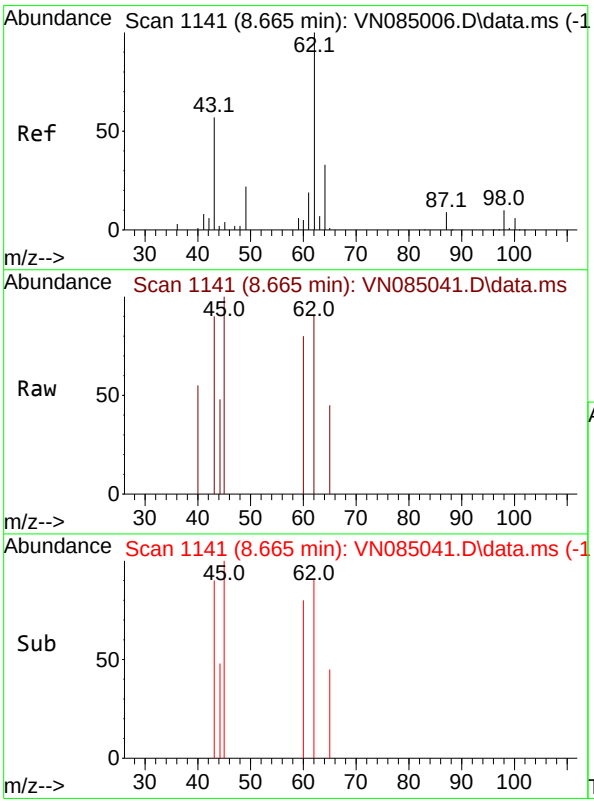
#38
Carbon Tetrachloride
Concen: 4.588 ug/l
RT: 8.359 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

Tgt Ion:117 Resp: 13318

Ion	Ratio	Lower	Upper
117	100		
119	109.7	78.6	117.8
121	32.9	24.2	36.2

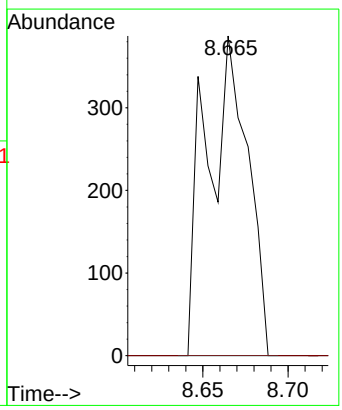


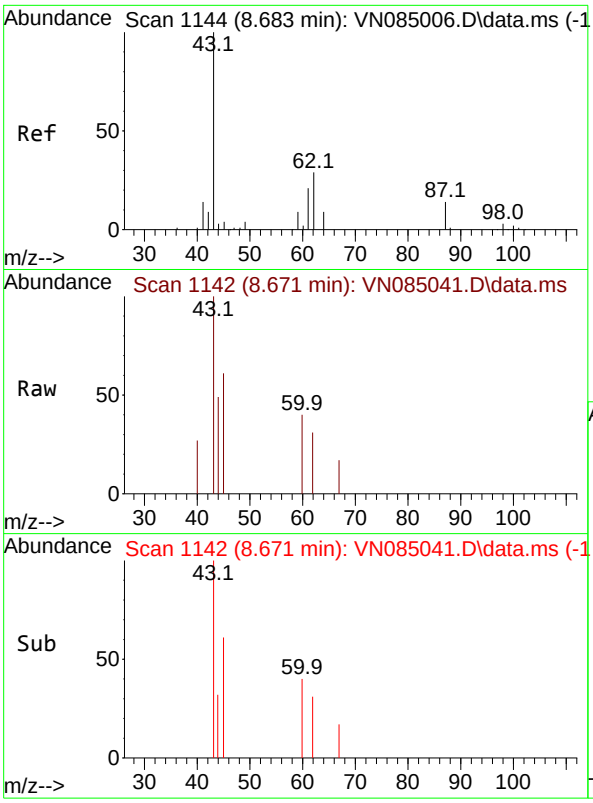


#42
1,2-Dichloroethane
Concen: 0.239 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion: 62 Resp: 649

Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	18.2



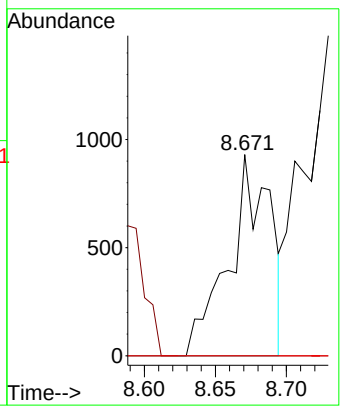


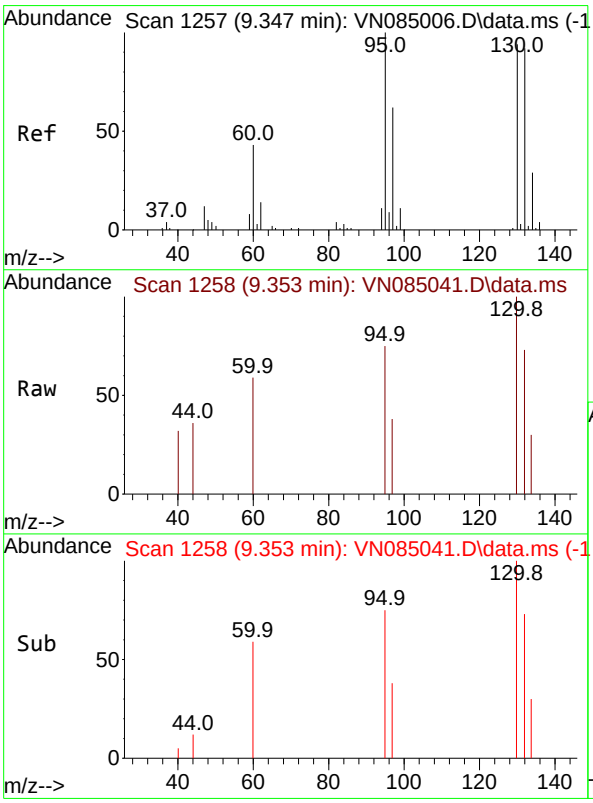
#43
Isopropyl Acetate
Concen: 0.395 ug/l
RT: 8.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

Tgt Ion: 43 Resp: 1878

Ion	Ratio	Lower	Upper
43	100		
61	0.0	20.6	30.8#
87	0.0	11.0	16.4#

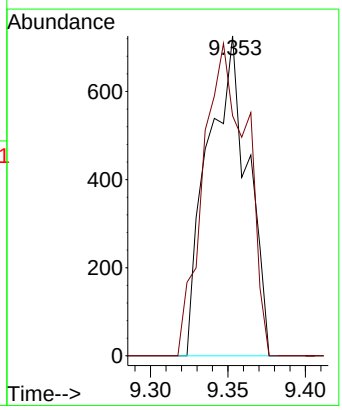


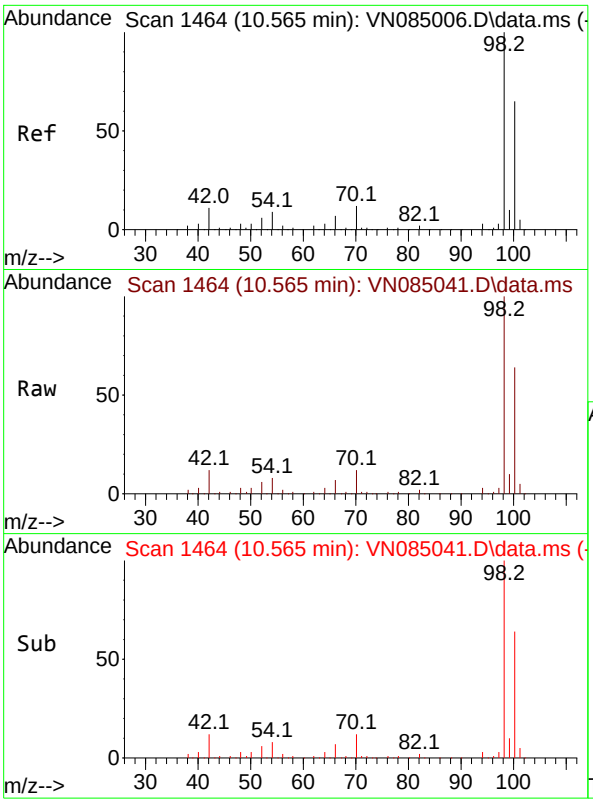


#44
Trichloroethene
Concen: 0.703 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion:130 Resp: 1300

Ion	Ratio	Lower	Upper
130	100		
95	75.1	0.0	213.4



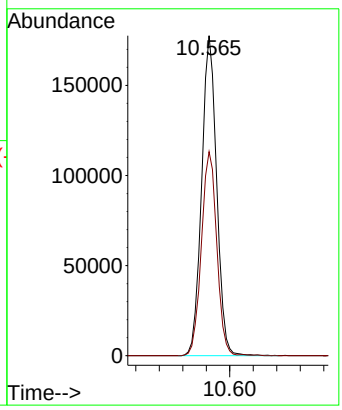


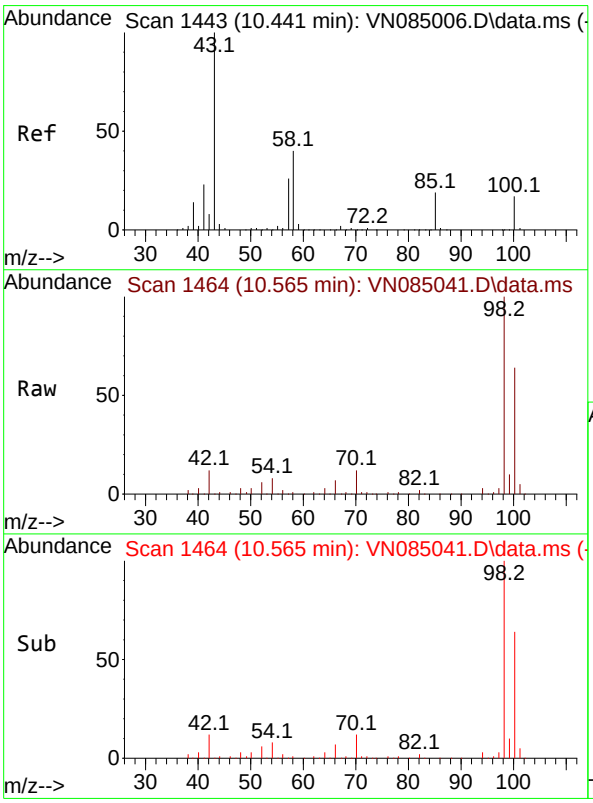
#50
Toluene-d8
Concen: 47.429 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

Tgt Ion: 98 Resp: 315562

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.5	78.7

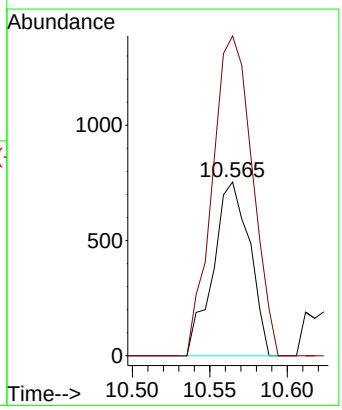


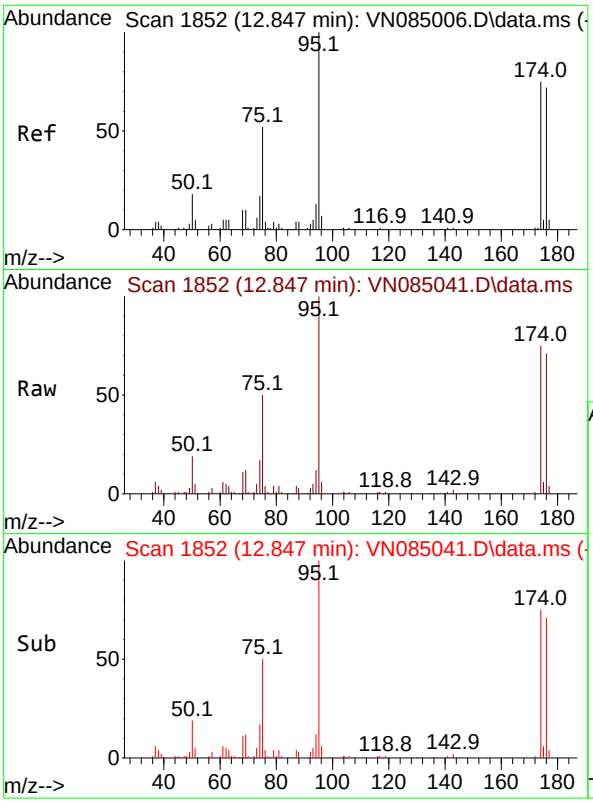


#51
4-Methyl-2-Pentanone
Concen: 0.570 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.123 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion: 43 Resp: 1236

Ion	Ratio	Lower	Upper
43	100		
58	201.4	32.1	48.1#



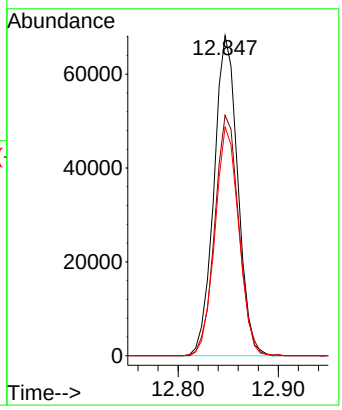


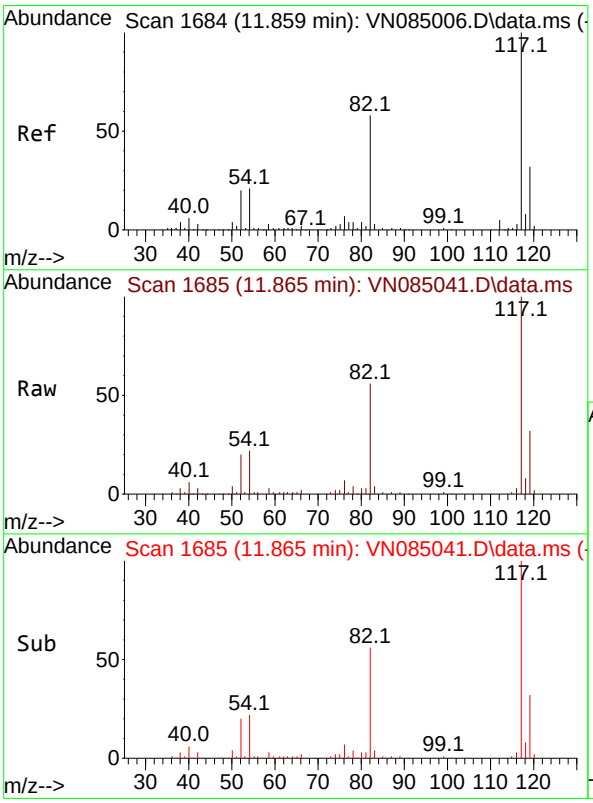
#62
4-Bromofluorobenzene
Concen: 45.091 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

Tgt Ion: 95 Resp: 112193

Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	146.6
176	71.7	0.0	141.8

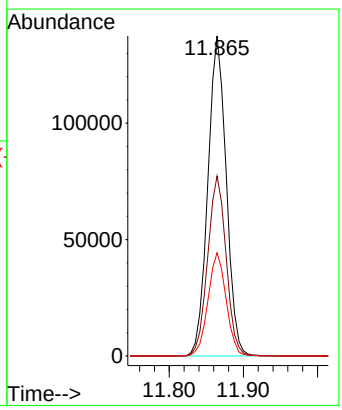


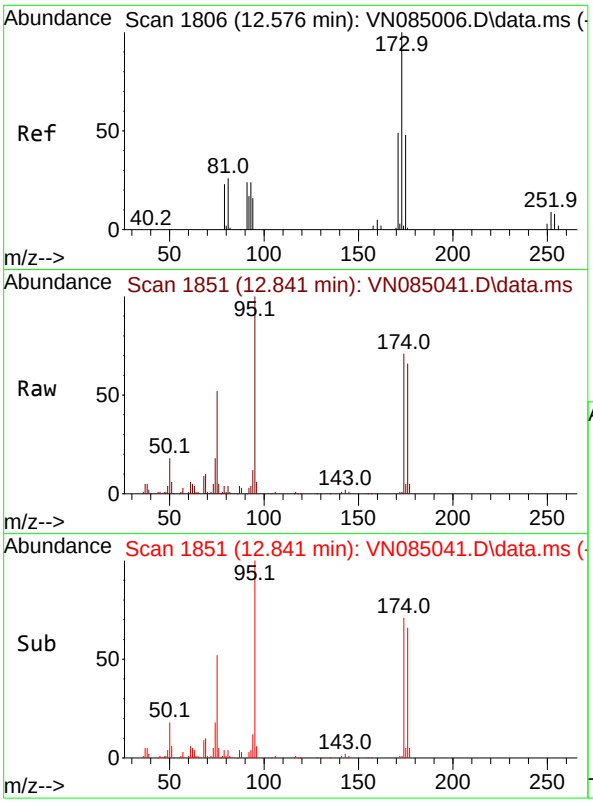


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion:117 Resp: 237019

Ion	Ratio	Lower	Upper
117	100		
82	56.3	46.0	69.0
119	32.3	25.6	38.4



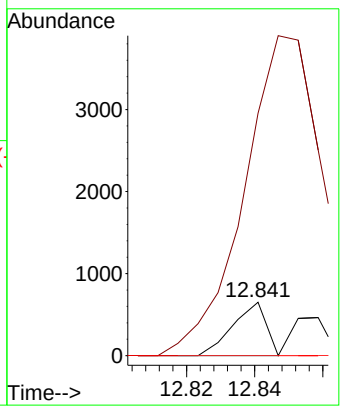


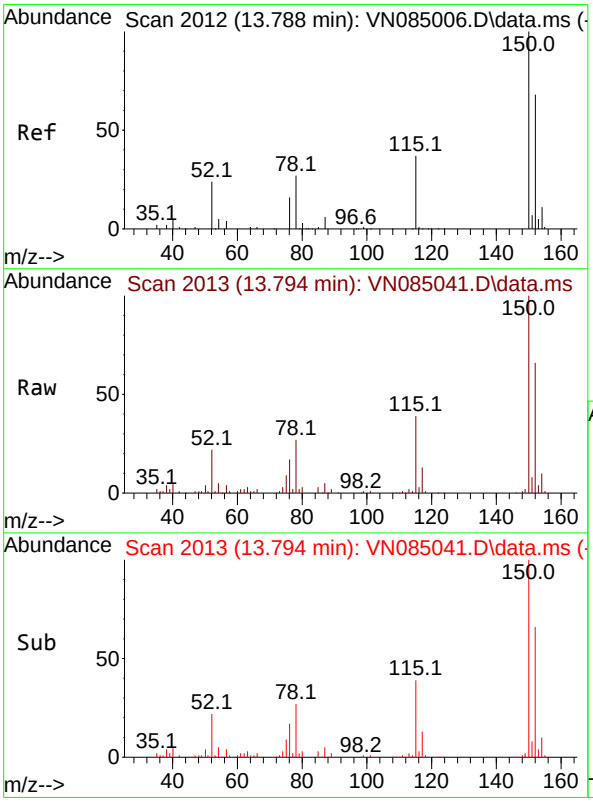
#71
Bromoform
Concen: 0.315 ug/l
RT: 12.841 min Scan# 1
Delta R.T. 0.264 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

Tgt Ion:173 Resp: 443

Ion	Ratio	Lower	Upper
173	100		
175	1082.2	23.8	71.2#
254	0.0	0.0	0.0

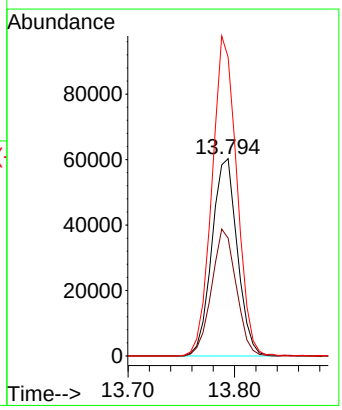


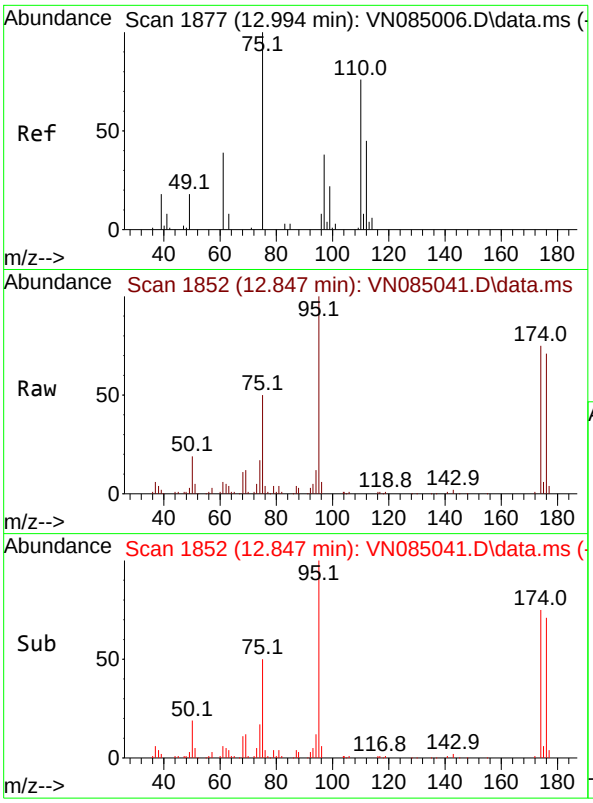


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion:152 Resp: 100055

Ion	Ratio	Lower	Upper
152	100		
115	62.1	31.7	95.1
150	157.9	0.0	351.4



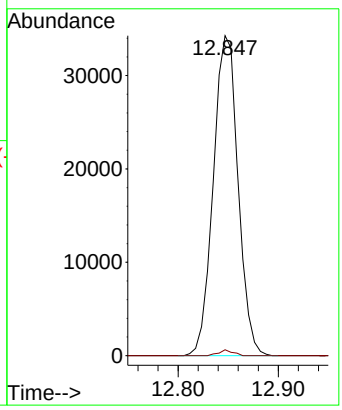


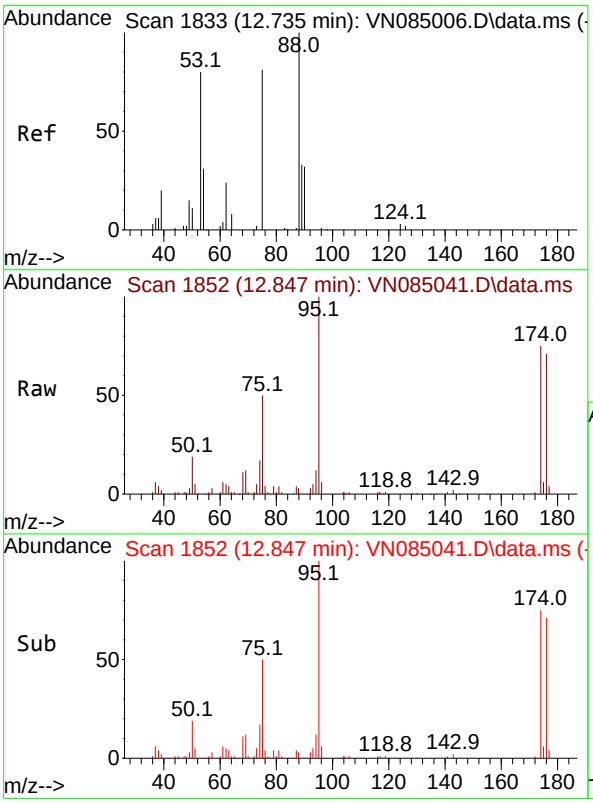
#76
1,2,3-Trichloropropane
Concen: 32.293 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.147 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

Tgt Ion: 75 Resp: 58770

Ion	Ratio	Lower	Upper
75	100		
77	1.0	109.1	327.4#

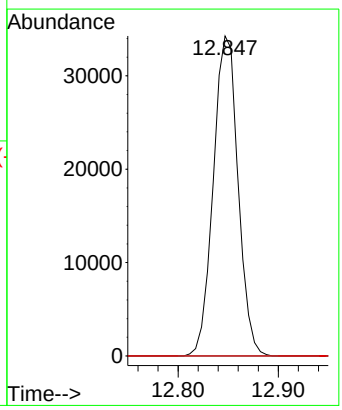


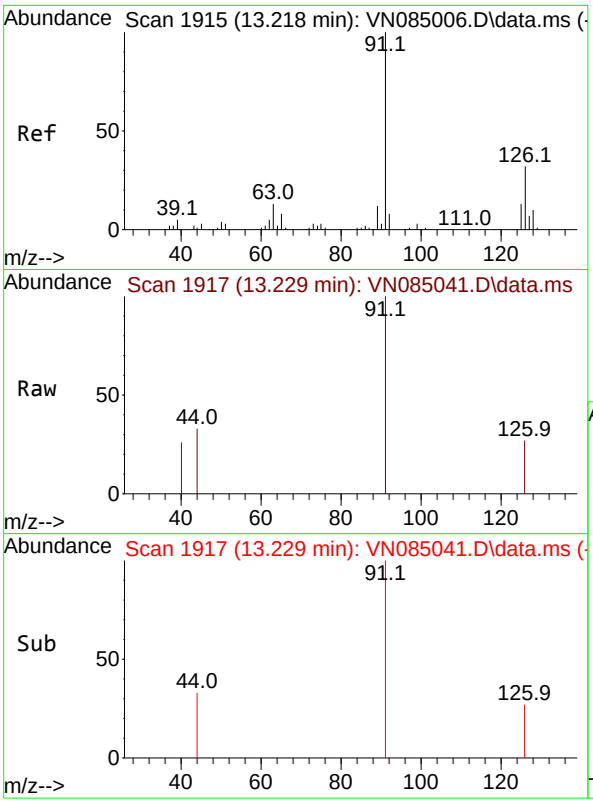


#81
trans-1,4-Dichloro-2-butene
Concen: 71.288 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion: 75 Resp: 58770

Ion	Ratio	Lower	Upper
75	100		
53	0.0	78.2	117.4#
89	0.0	37.9	56.9#



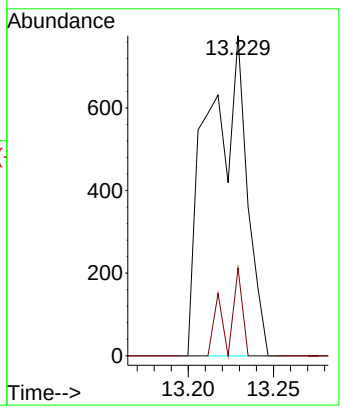


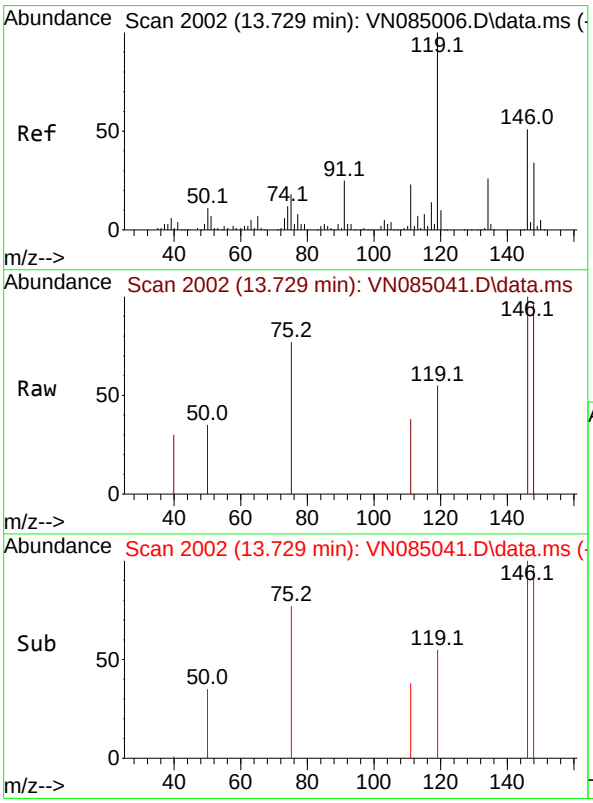
#82
4-Chlorotoluene
Concen: 0.217 ug/l
RT: 13.229 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

Tgt Ion: 91 Resp: 1229

Ion	Ratio	Lower	Upper
91	100		
126	4.3	16.1	48.3#

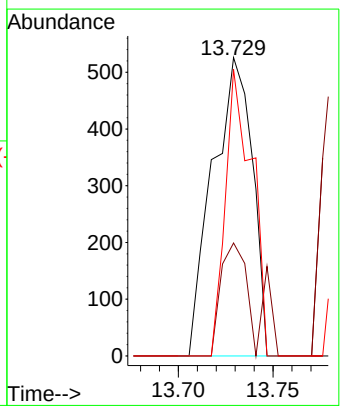


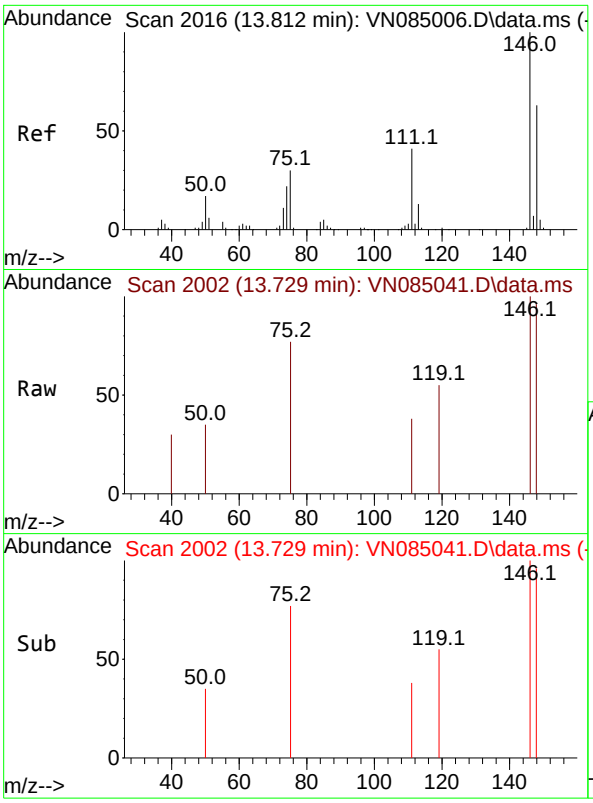


#87
1,3-Dichlorobenzene
Concen: 0.204 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion:146 Resp: 766

Ion	Ratio	Lower	Upper
146	100		
111	31.5	21.6	65.0
148	64.4	32.2	96.6



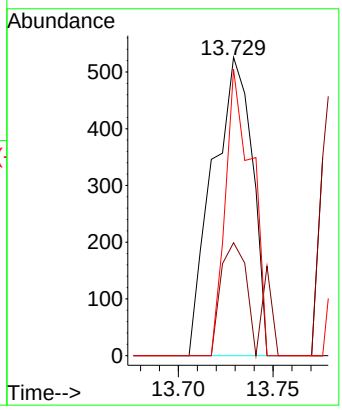


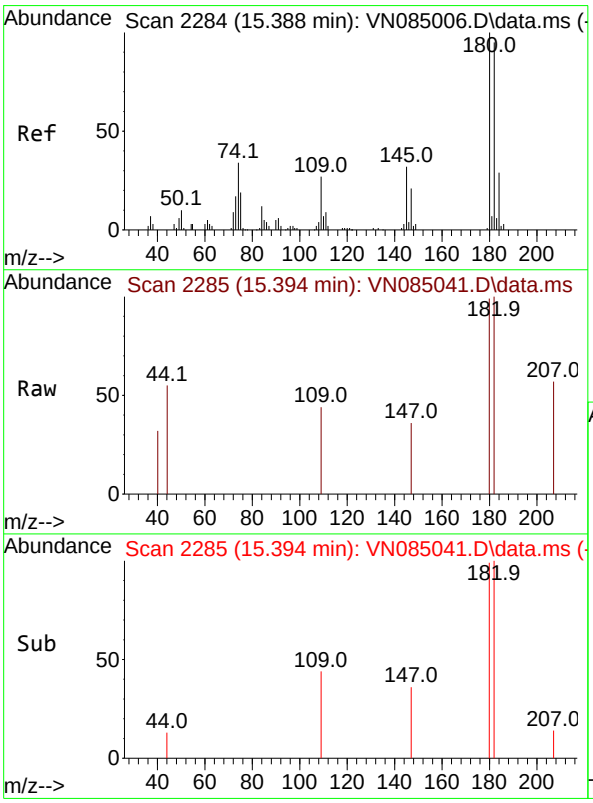
#88
1,4-Dichlorobenzene
Concen: 0.200 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.083 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

Tgt Ion:146 Resp: 766

Ion	Ratio	Lower	Upper
146	100		
111	31.5	20.9	62.8
148	64.4	31.3	93.9

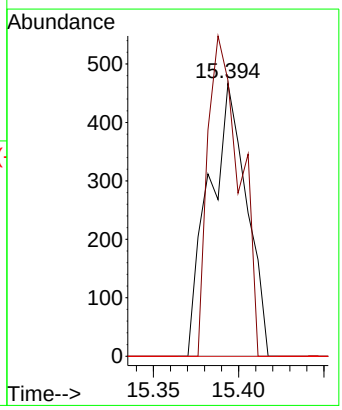


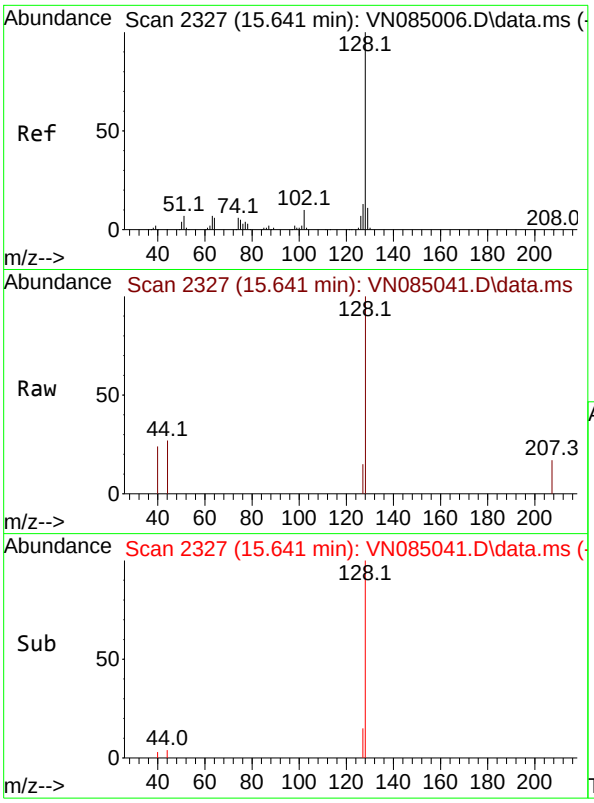


#93
1,2,4-Trichlorobenzene
Concen: 0.367 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.006 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion:180 Resp: 715

Ion	Ratio	Lower	Upper
180	100		
182	100.3	46.9	140.8
145	0.0	16.3	48.8#



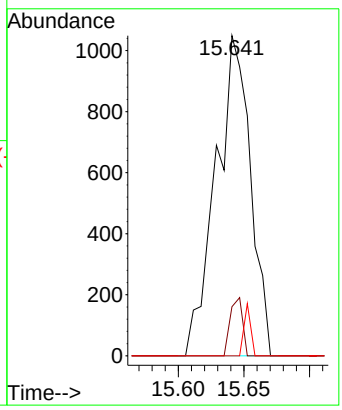


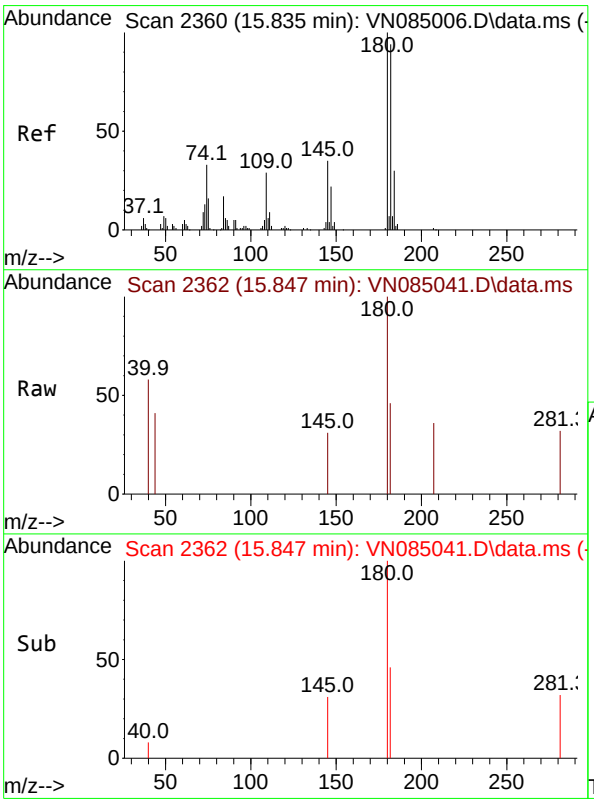
#95
Naphthalene
Concen: 0.346 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

Tgt Ion:128 Resp: 1921

Ion	Ratio	Lower	Upper
128	100		
127	6.5	10.6	16.0#
129	3.1	8.6	12.8#

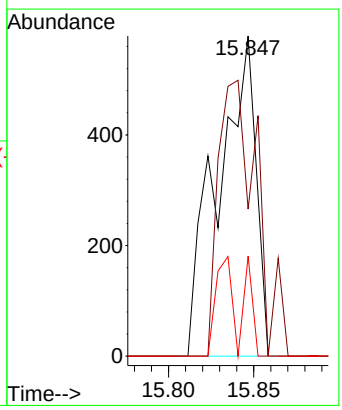




#96
1,2,3-Trichlorobenzene
Concen: 0.484 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.012 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion:180 Resp: 901

Ion	Ratio	Lower	Upper
180	100		
182	87.1	46.4	139.2
145	20.2	17.3	52.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085050.D
Acq On : 26 Nov 2024 18:12
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 27 05:19:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	153430	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	256451	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	227672	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	116253	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	99406	45.484	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 90.960%			
35) Dibromofluoromethane	8.159	113	77420	44.766	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 89.540%			
50) Toluene-d8	10.565	98	281059	45.348	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 90.700%			
62) 4-Bromofluorobenzene	12.847	95	108675	46.887	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	78431	45.208	ug/l	97
3) Chloromethane	2.359	50	82094	40.798	ug/l	97
4) Vinyl Chloride	2.512	62	79381	43.898	ug/l	97
5) Bromomethane	2.900	94	42503	41.935	ug/l	98
6) Chloroethane	3.065	64	52583	43.141	ug/l	100
7) Trichlorofluoromethane	3.459	101	143786	46.743	ug/l	99
8) Diethyl Ether	3.953	74	52756	50.388	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.347	101	81764	46.865	ug/l	99
10) Methyl Iodide	4.577	142	111146	48.128	ug/l	98
11) Tert butyl alcohol	5.535	59	92085	315.304	ug/l	99
12) 1,1-Dichloroethene	4.318	96	77314	47.476	ug/l	97
13) Acrolein	4.171	56	90114	462.414	ug/l	97
14) Allyl chloride	5.012	41	132081	48.111	ug/l	98
15) Acrylonitrile	5.718	53	224812	271.892	ug/l	98
16) Acetone	4.424	43	196100	308.090	ug/l	99
17) Carbon Disulfide	4.694	76	194013	40.363	ug/l	100
18) Methyl Acetate	5.018	43	118116	58.248	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	276560	51.977	ug/l	98
20) Methylene Chloride	5.265	84	89054	45.850	ug/l	91
21) trans-1,2-Dichloroethene	5.777	96	78484	45.797	ug/l	88
22) Diisopropyl ether	6.671	45	275336	49.831	ug/l	98
23) Vinyl Acetate	6.594	43	1030035	270.220	ug/l	99
24) 1,1-Dichloroethane	6.559	63	158805	48.028	ug/l	99
25) 2-Butanone	7.482	43	302206	290.407	ug/l	97
26) 2,2-Dichloropropane	7.482	77	145854	47.240	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	99330	48.079	ug/l	99
28) Bromochloromethane	7.812	49	61203	49.035	ug/l	95
29) Tetrahydrofuran	7.835	42	188504	291.291	ug/l	99
30) Chloroform	7.965	83	166044	47.208	ug/l	99
31) Cyclohexane	8.253	56	127216	43.698	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	154174	48.507	ug/l	98
36) 1,1-Dichloropropene	8.371	75	108611	46.366	ug/l	99
37) Ethyl Acetate	7.559	43	116373	54.646	ug/l	98
38) Carbon Tetrachloride	8.359	117	131332	48.571	ug/l	96
39) Methylcyclohexane	9.600	83	114201	46.916	ug/l	100
40) Benzene	8.600	78	356588	48.130	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085050.D
Acq On : 26 Nov 2024 18:12
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 27 05:19:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	62758	53.226	ug/l		95
42) 1,2-Dichloroethane	8.665	62	123426	48.696	ug/l		100
43) Isopropyl Acetate	8.688	43	275827	62.355	ug/l	#	89
44) Trichloroethene	9.347	130	80386	46.688	ug/l		92
45) 1,2-Dichloropropane	9.618	63	87009	47.681	ug/l		98
46) Dibromomethane	9.706	93	62202	49.056	ug/l		100
47) Bromodichloromethane	9.888	83	134764	50.146	ug/l		100
48) Methyl methacrylate	9.676	41	91748	55.737	ug/l		96
49) 1,4-Dioxane	9.694	88	35077	1228.790	ug/l	#	91
51) 4-Methyl-2-Pentanone	10.447	43	605885	299.877	ug/l		99
52) Toluene	10.629	92	219828	50.120	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	134511	49.924	ug/l		96
54) cis-1,3-Dichloropropene	10.312	75	140927	49.304	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	85550	52.366	ug/l		97
56) Ethyl methacrylate	10.870	69	138242	57.909	ug/l		97
57) 1,3-Dichloropropane	11.159	76	146001	50.778	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	357062	304.919	ug/l		100
59) 2-Hexanone	11.194	43	456163	301.875	ug/l		99
60) Dibromochloromethane	11.359	129	101239	50.705	ug/l		100
61) 1,2-Dibromoethane	11.470	107	85548	50.598	ug/l		100
64) Tetrachloroethene	11.100	164	68775	44.830	ug/l		97
65) Chlorobenzene	11.888	112	235294	45.570	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	88625	48.750	ug/l		100
67) Ethyl Benzene	11.964	91	415484	49.599	ug/l		98
68) m/p-Xylenes	12.070	106	317581	99.579	ug/l		99
69) o-Xylene	12.394	106	154101	50.796	ug/l		100
70) Styrene	12.412	104	263359	52.202	ug/l		99
71) Bromoform	12.576	173	68519	50.776	ug/l	#	97
73) Isopropylbenzene	12.694	105	392356	47.841	ug/l		100
74) N-amyl acetate	12.494	43	177798	52.610	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	129135	46.111	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	167353	79.143	ug/l		44
77) Bromobenzene	12.976	156	96650	43.792	ug/l		96
78) n-propylbenzene	13.035	91	452784	47.866	ug/l		99
79) 2-Chlorotoluene	13.123	91	287148	45.474	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	340710	49.508	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.735	75	47013	49.081	ug/l		93
82) 4-Chlorotoluene	13.217	91	286775	43.625	ug/l		99
83) tert-Butylbenzene	13.435	119	287470	48.549	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	339626	47.943	ug/l		99
85) sec-Butylbenzene	13.617	105	382841	47.862	ug/l		100
86) p-Isopropyltoluene	13.729	119	321691	48.719	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	175822	40.389	ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	177138	39.875	ug/l		100
89) n-Butylbenzene	14.053	91	260916	42.490	ug/l		99
90) Hexachloroethane	14.329	117	64448	44.778	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	180536	43.280	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	27604	50.973	ug/l		99
93) 1,2,4-Trichlorobenzene	15.388	180	89421	39.459	ug/l		100
94) Hexachlorobutadiene	15.500	225	41070	39.268	ug/l		99
95) Naphthalene	15.641	128	297179	46.043	ug/l		98
96) 1,2,3-Trichlorobenzene	15.841	180	87745	40.579	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085050.D
Acq On : 26 Nov 2024 18:12
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 27 05:19:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

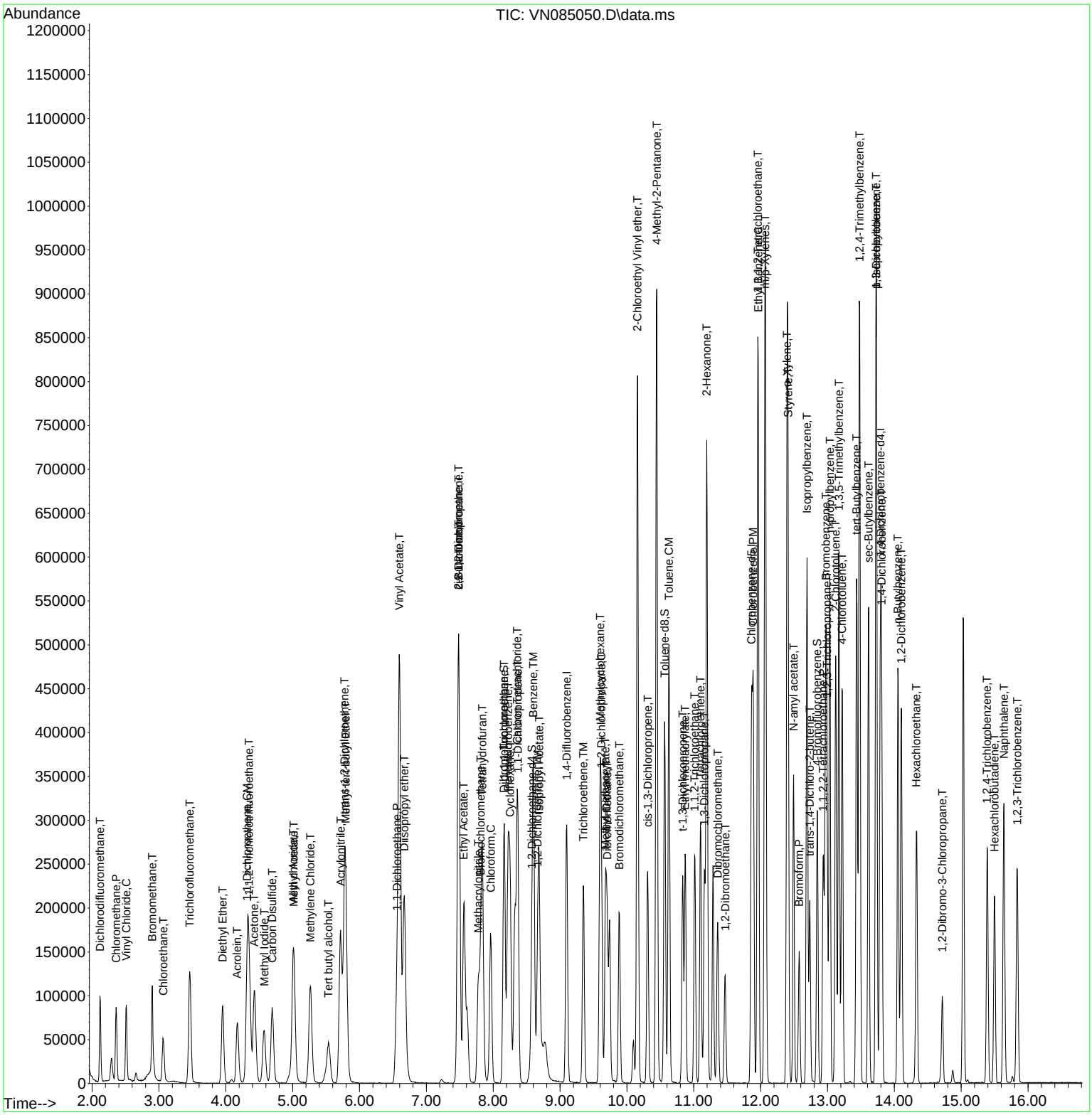
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

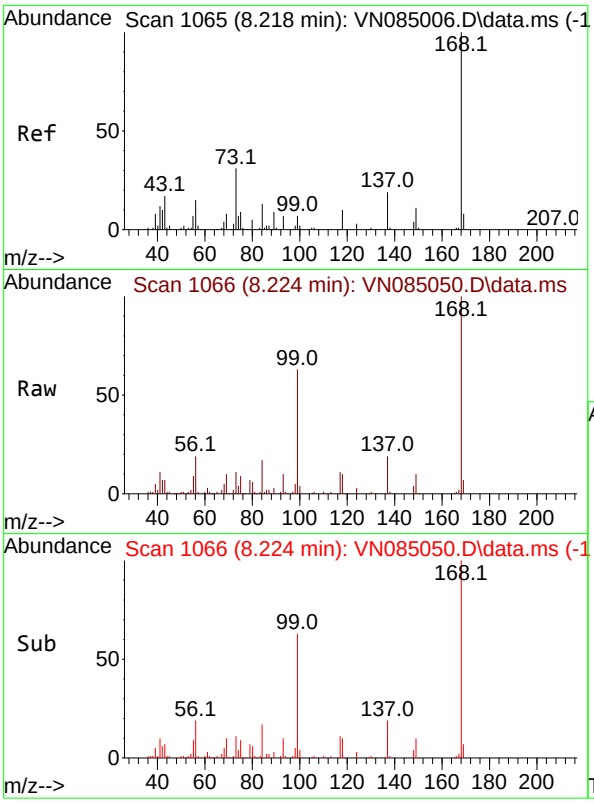
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
Data File : VN085050.D
Acq On : 26 Nov 2024 18:12
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 27 05:19:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



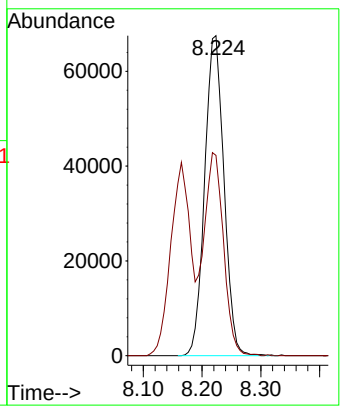


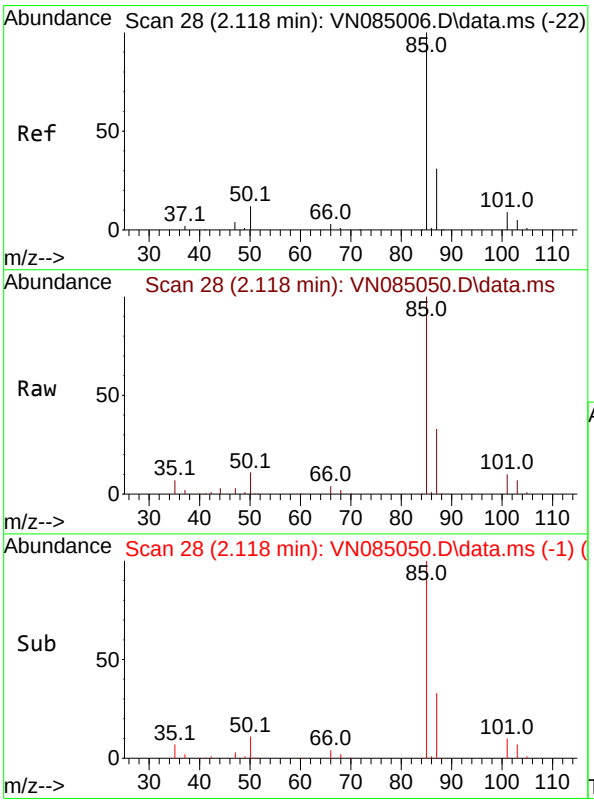
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 153430

Ion	Ratio	Lower	Upper
168	100		
99	62.6	51.2	76.8

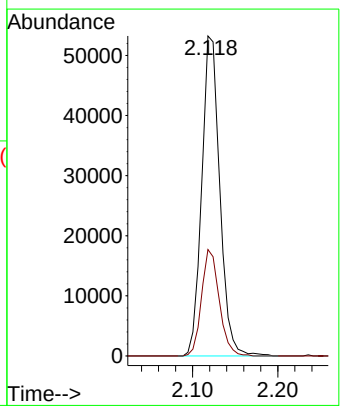


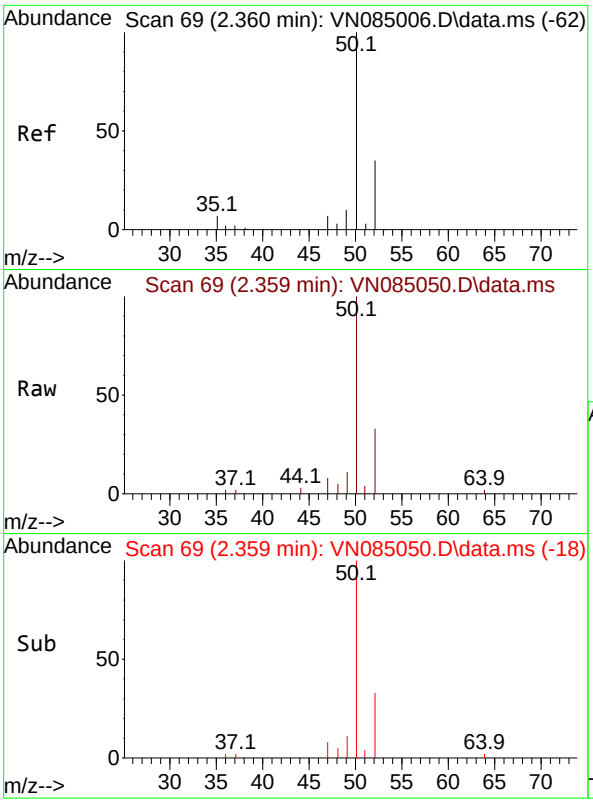


#2
Dichlorodifluoromethane
Concen: 45.208 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 85 Resp: 78431

Ion	Ratio	Lower	Upper
85	100		
87	33.3	15.7	47.1



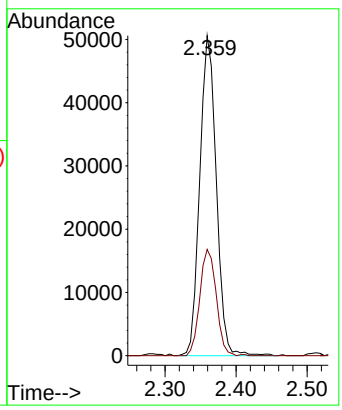


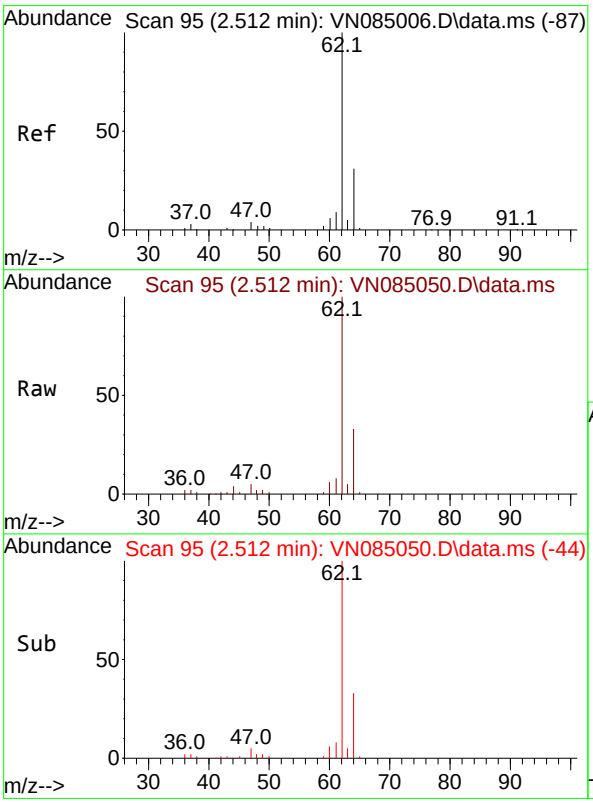
#3
Chloromethane
Concen: 40.798 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 82094

Ion	Ratio	Lower	Upper
50	100		
52	33.2	27.8	41.8

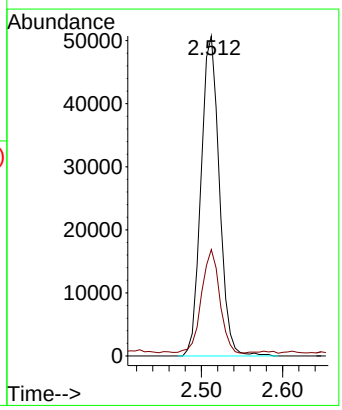


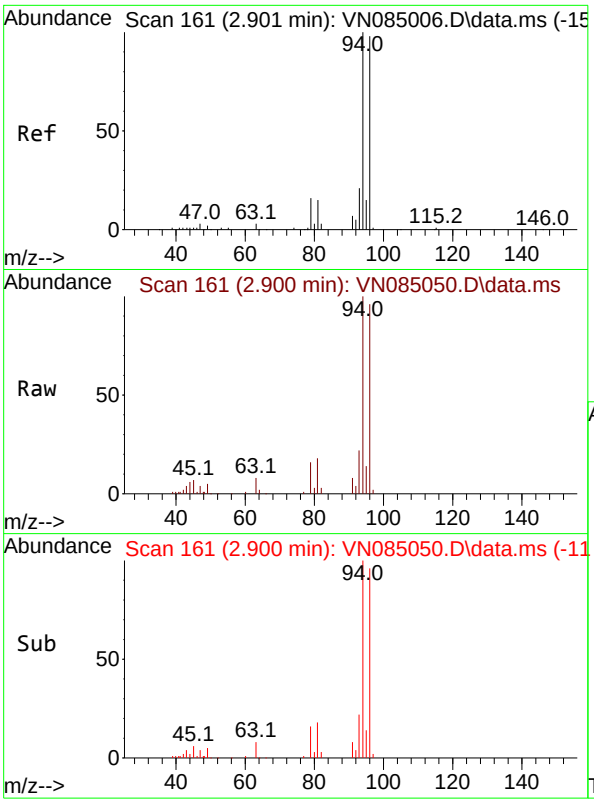


#4
Vinyl Chloride
Concen: 43.898 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 62 Resp: 79381

Ion	Ratio	Lower	Upper
62	100		
64	32.4	24.6	36.8



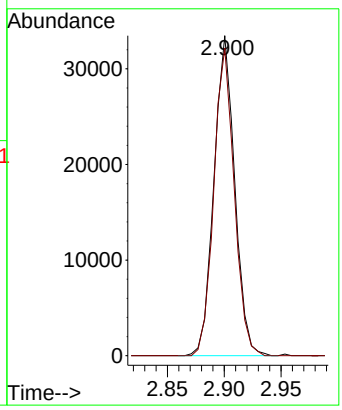


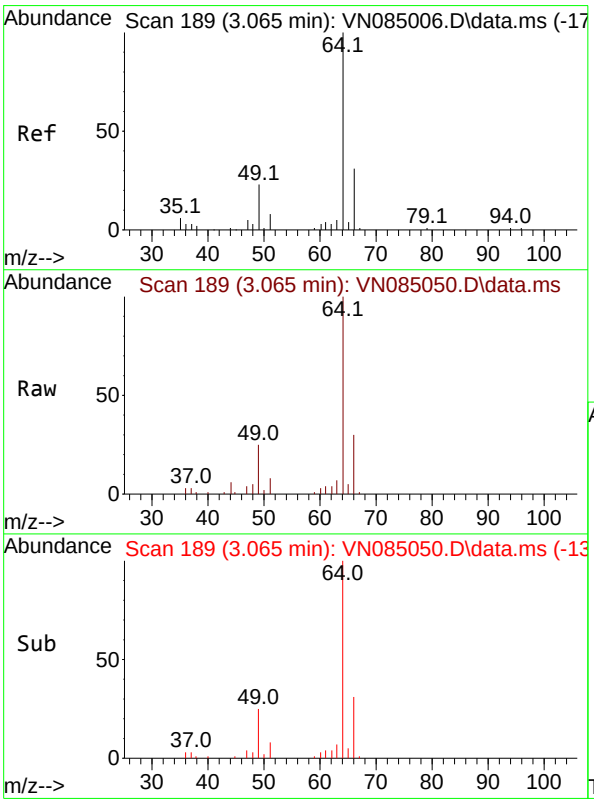
#5
Bromomethane
Concen: 41.935 ug/l
RT: 2.900 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 42503

Ion	Ratio	Lower	Upper
94	100		
96	96.2	78.7	118.1

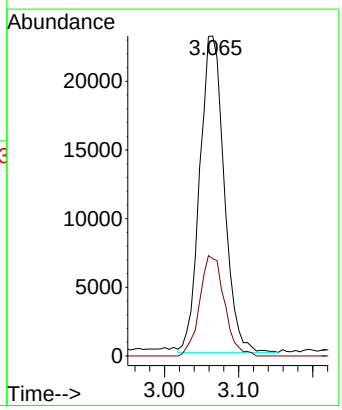


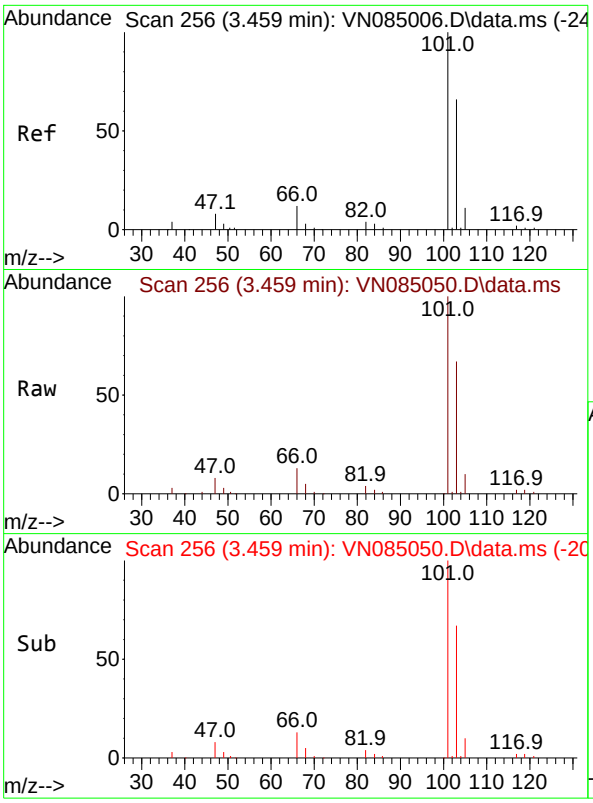


#6
Chloroethane
Concen: 43.141 ug/l
RT: 3.065 min Scan# 189
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 64 Resp: 52583

Ion	Ratio	Lower	Upper
64	100		
66	30.7	24.4	36.6



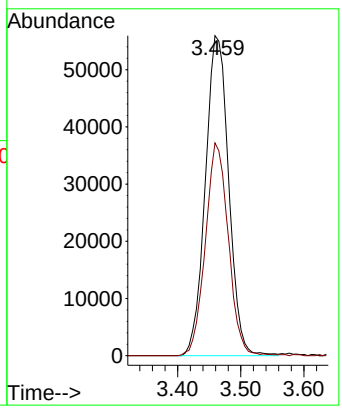


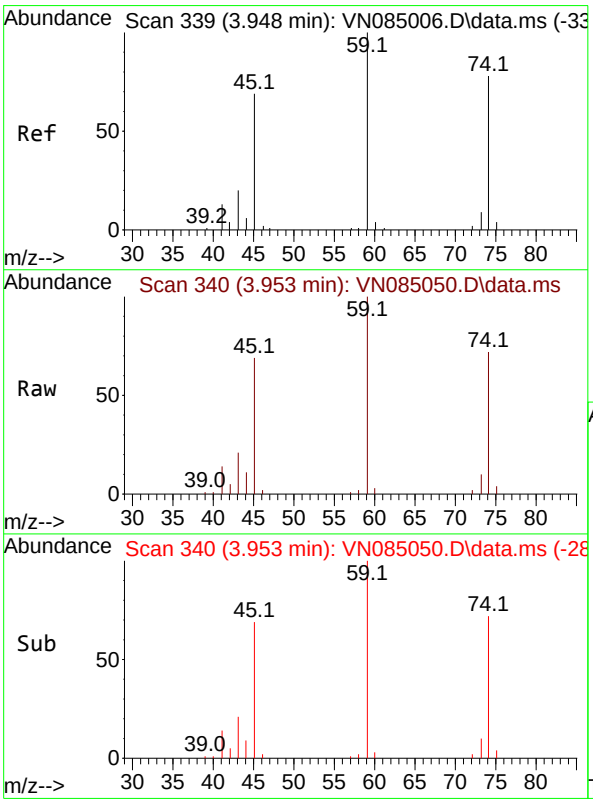
#7
Trichlorofluoromethane
Concen: 46.743 ug/l
RT: 3.459 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 143786

Ion	Ratio	Lower	Upper
101	100		
103	66.5	52.6	78.8

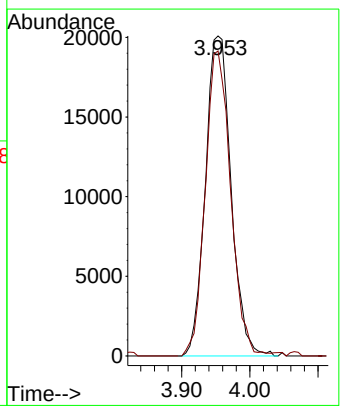


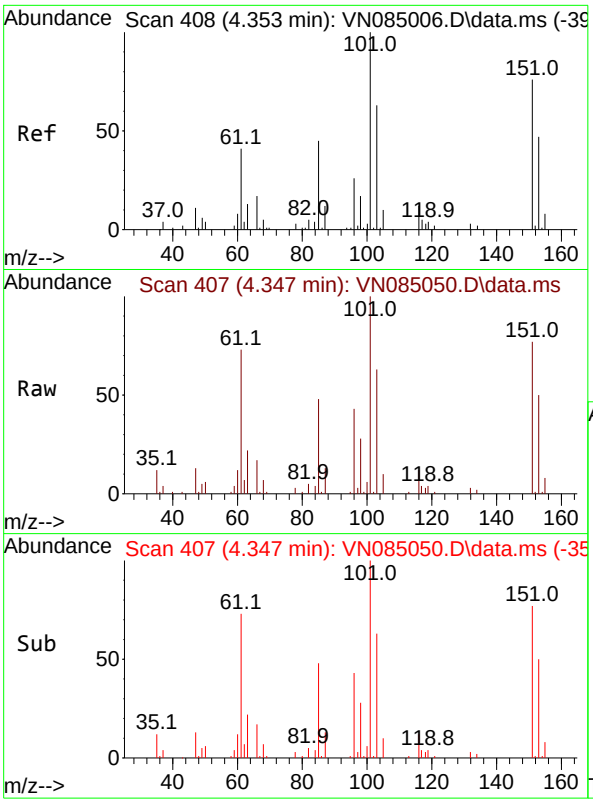


#8
Diethyl Ether
Concen: 50.388 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 74 Resp: 52756

Ion	Ratio	Lower	Upper
74	100		
45	94.1	46.7	140.1



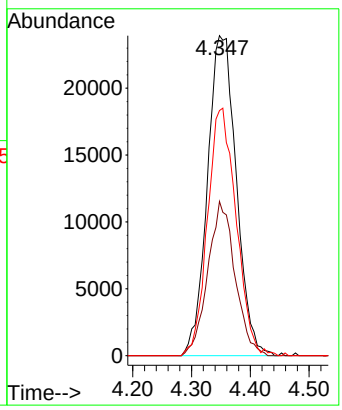


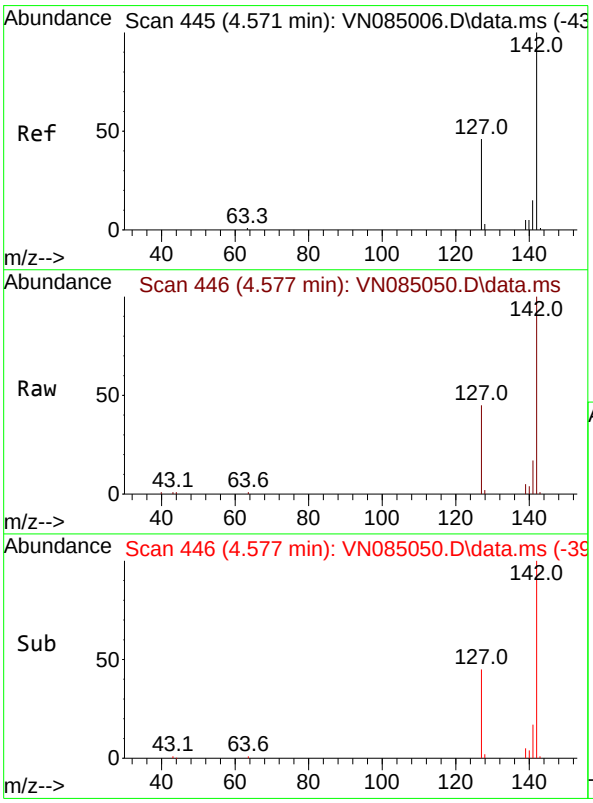
#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.865 ug/l
RT: 4.347 min Scan# 4(
Delta R.T. -0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 81764

Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.9	55.3
151	76.5	60.8	91.2

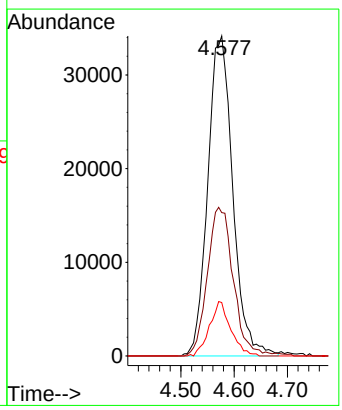


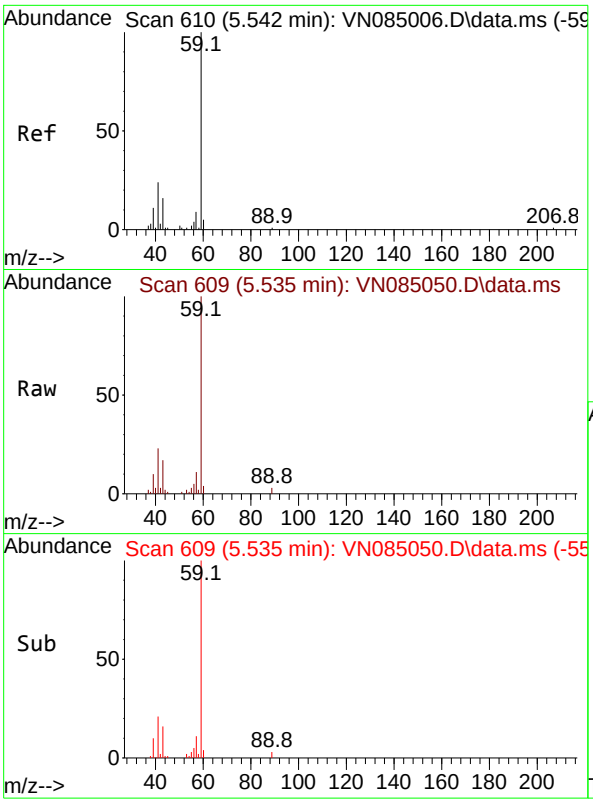


#10
Methyl Iodide
Concen: 48.128 ug/l
RT: 4.577 min Scan# 446
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:142 Resp: 111146

Ion	Ratio	Lower	Upper
142	100		
127	44.8	36.6	54.8
141	16.7	12.2	18.4



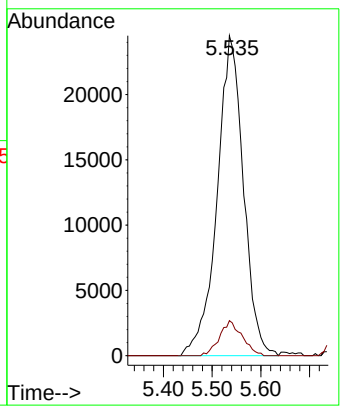


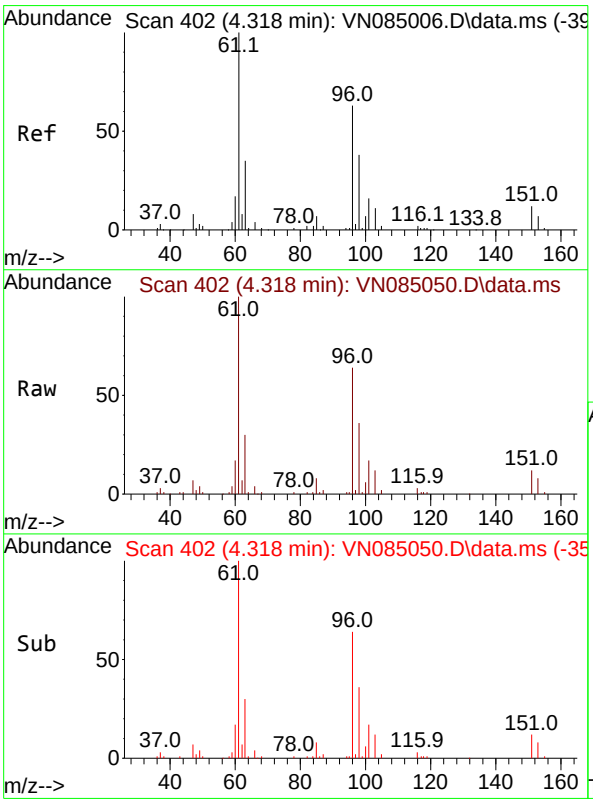
#11
Tert butyl alcohol
Concen: 315.304 ug/l
RT: 5.535 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 92085

Ion	Ratio	Lower	Upper
59	100		
57	9.4	7.4	11.0

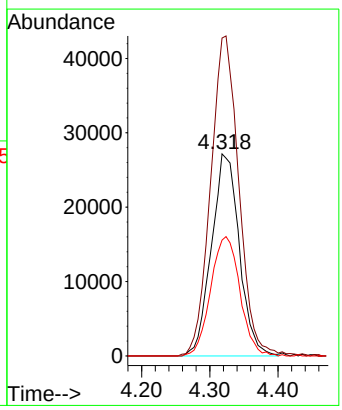


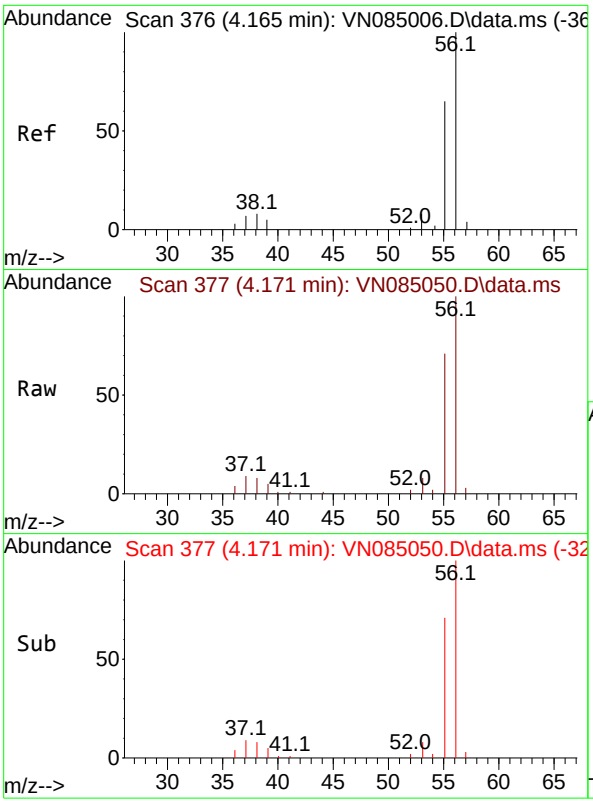


#12
1,1-Dichloroethene
Concen: 47.476 ug/l
RT: 4.318 min Scan# 402
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 96 Resp: 77314

Ion	Ratio	Lower	Upper
96	100		
61	157.3	127.8	191.8
98	57.3	49.2	73.8



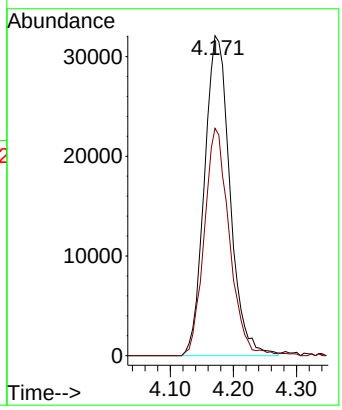


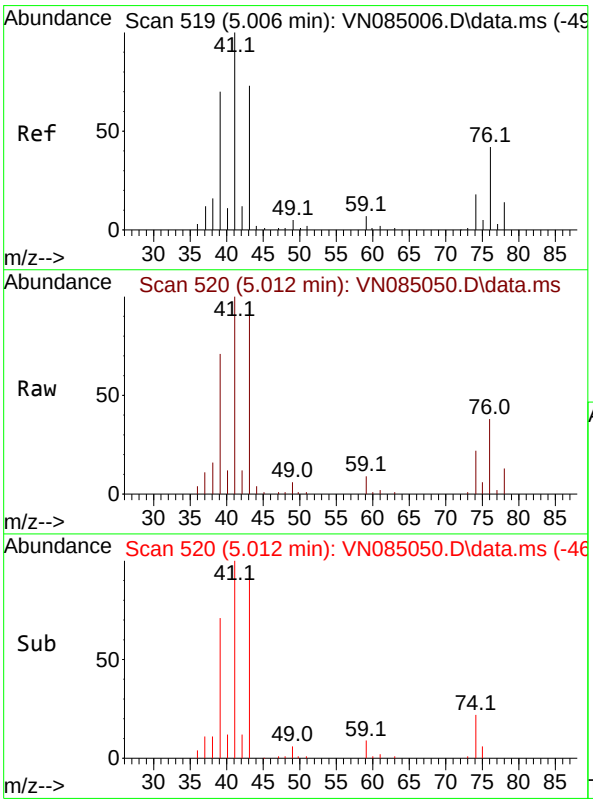
#13
Acrolein
Concen: 462.414 ug/l
RT: 4.171 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 90114

Ion	Ratio	Lower	Upper
56	100		
55	70.2	54.5	81.7

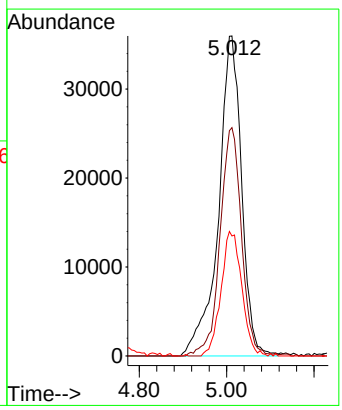


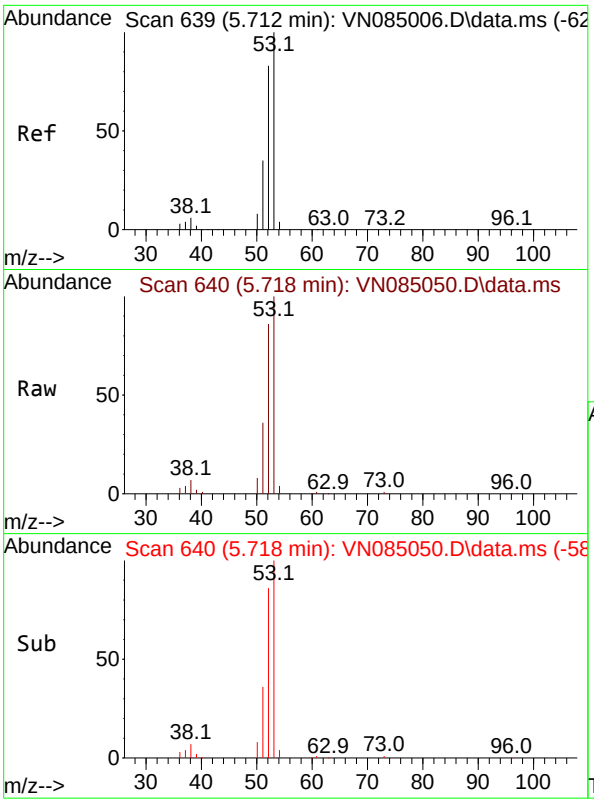


#14
Allyl chloride
Concen: 48.111 ug/l
RT: 5.012 min Scan# 520
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 41 Resp: 132081

Ion	Ratio	Lower	Upper
41	100		
39	66.0	53.8	80.8
76	34.9	29.3	43.9



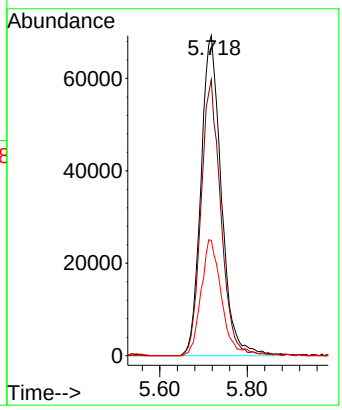


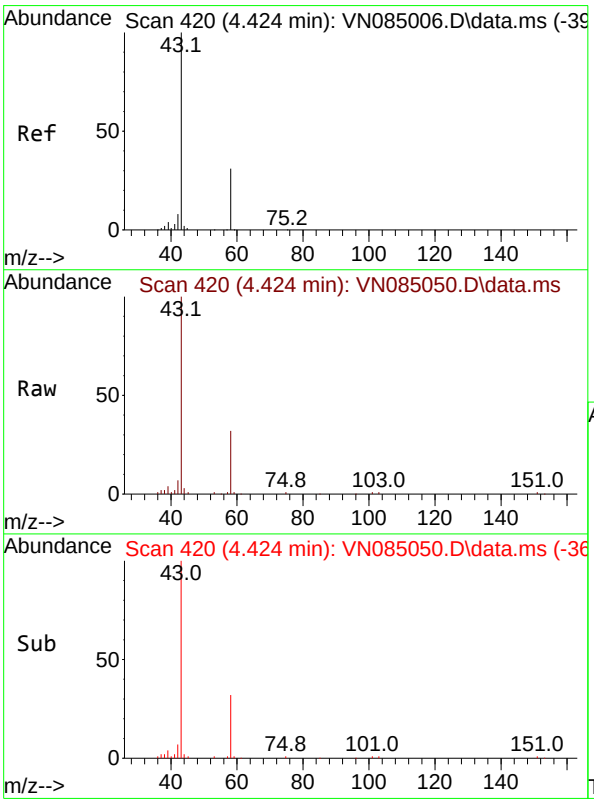
#15
Acrylonitrile
Concen: 271.892 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 224812

Ion	Ratio	Lower	Upper
53	100		
52	83.1	65.5	98.3
51	36.7	28.4	42.6

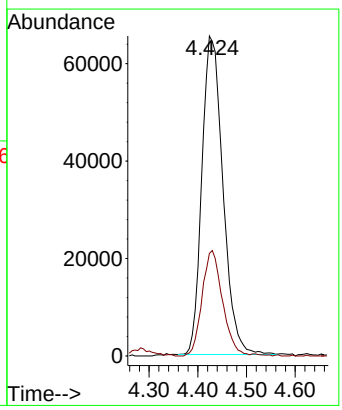


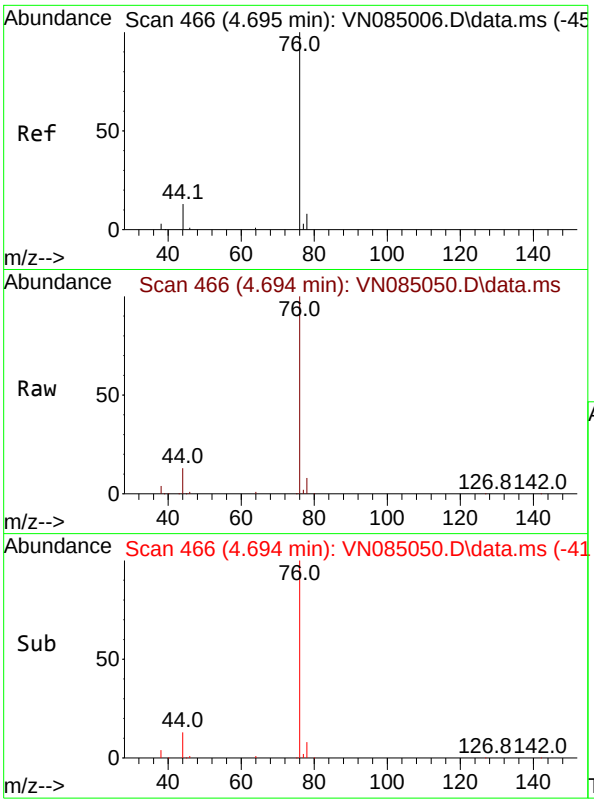


#16
Acetone
Concen: 308.090 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 43 Resp: 196100

Ion	Ratio	Lower	Upper
43	100		
58	32.2	25.4	38.2



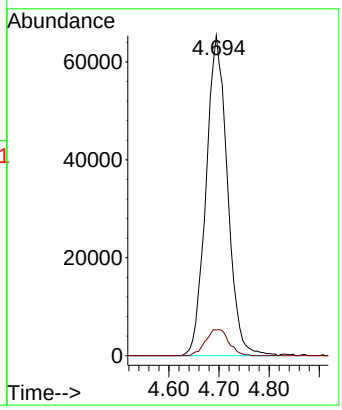


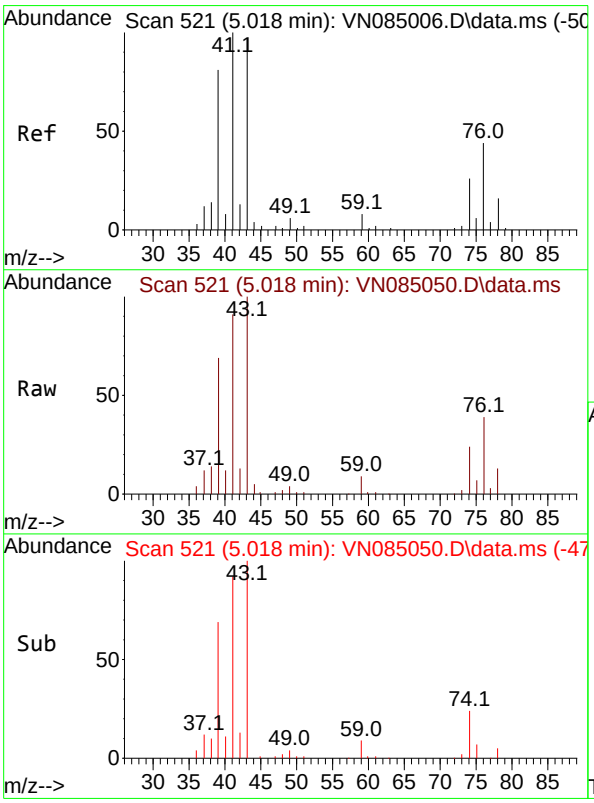
#17
Carbon Disulfide
Concen: 40.363 ug/l
RT: 4.694 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 194013

Ion	Ratio	Lower	Upper
76	100		
78	8.0	6.5	9.7

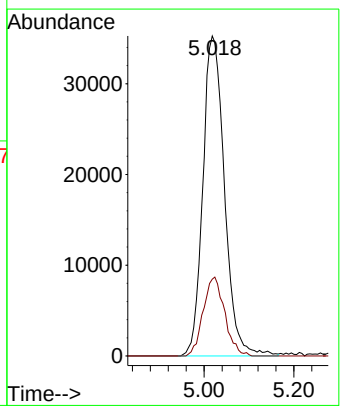


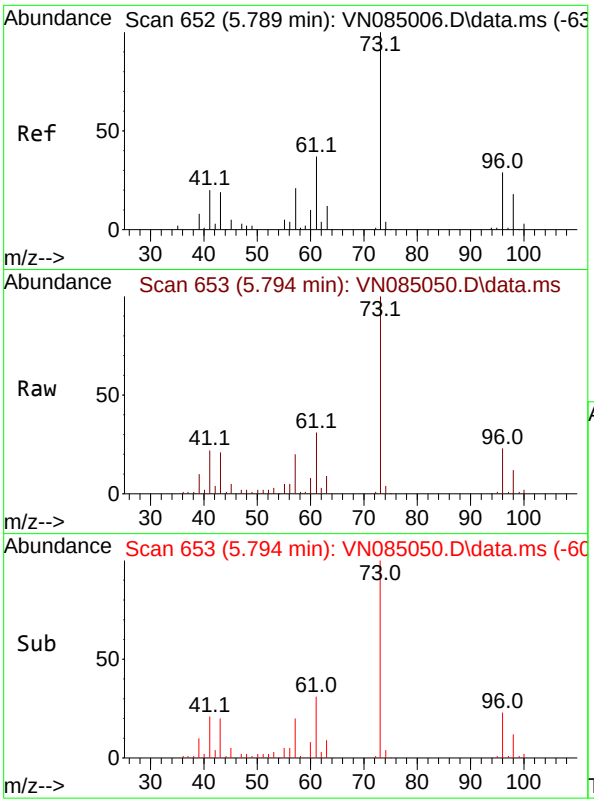


#18
Methyl Acetate
Concen: 58.248 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 43 Resp: 118116

Ion	Ratio	Lower	Upper
43	100		
74	24.5	20.1	30.1



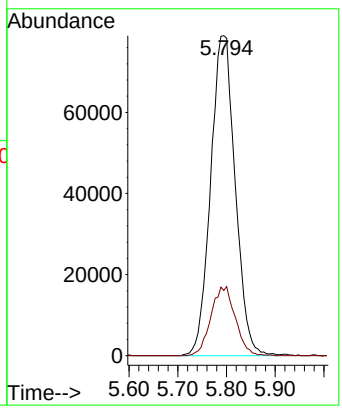


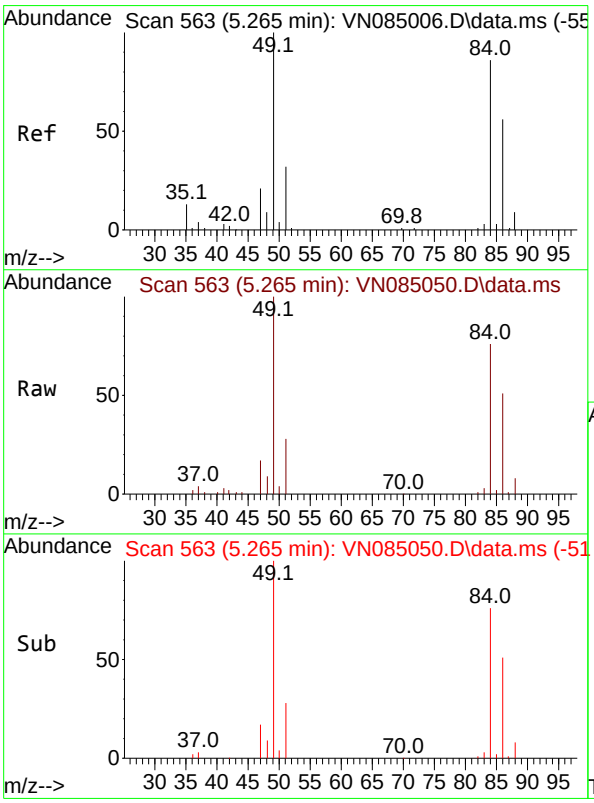
#19
Methyl tert-butyl Ether
Concen: 51.977 ug/l
RT: 5.794 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 276560

Ion	Ratio	Lower	Upper
73	100		
57	20.4	17.0	25.4

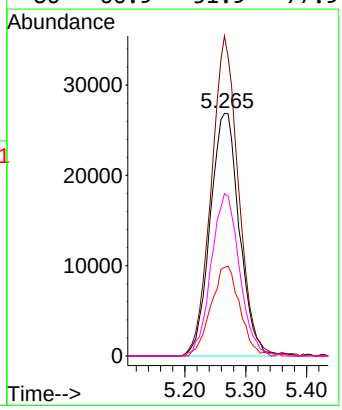


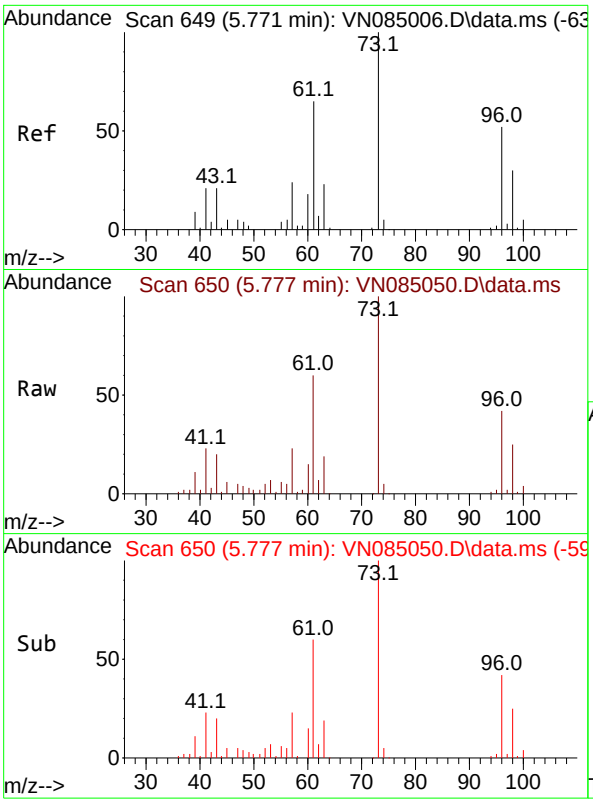


#20
Methylene Chloride
Concen: 45.850 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 84 Resp: 89054

Ion	Ratio	Lower	Upper
84	100		
49	131.9	92.7	139.1
51	36.5	29.4	44.2
86	66.9	51.9	77.9



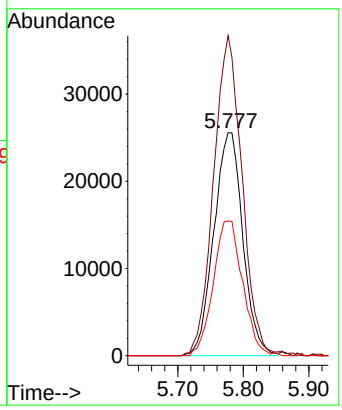


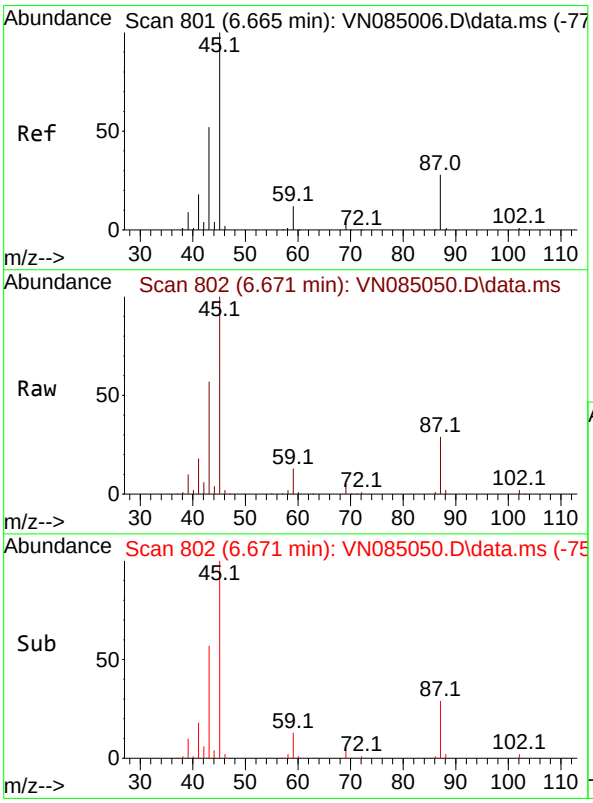
#21
trans-1,2-Dichloroethene
Concen: 45.797 ug/l
RT: 5.777 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 78484

Ion	Ratio	Lower	Upper
96	100		
61	143.5	100.7	151.1
98	60.4	45.8	68.6

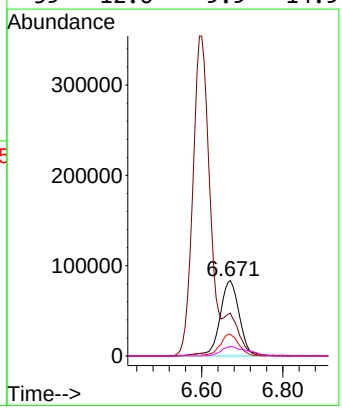


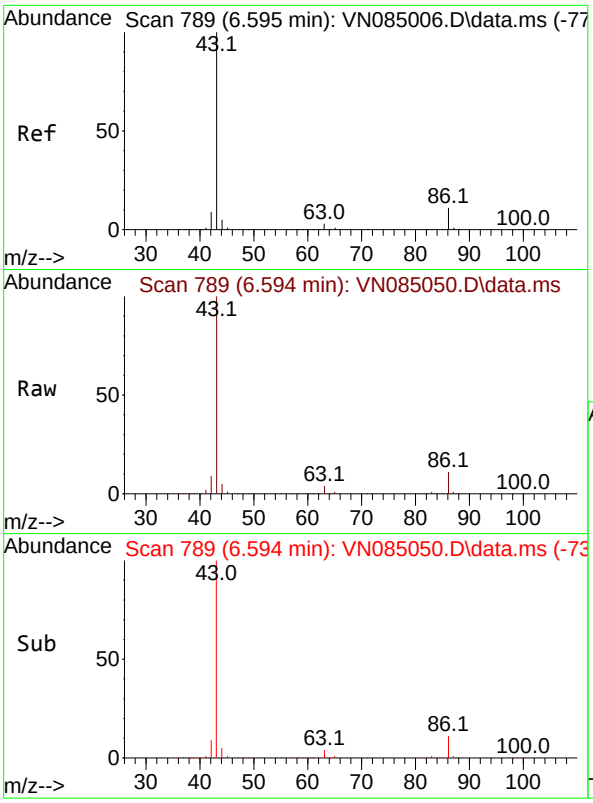


#22
Diisopropyl ether
Concen: 49.831 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 45 Resp: 275336

Ion	Ratio	Lower	Upper
45	100		
43	55.6	42.7	64.1
87	28.7	22.6	34.0
59	12.6	9.9	14.9



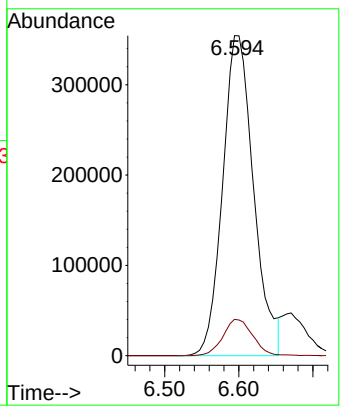


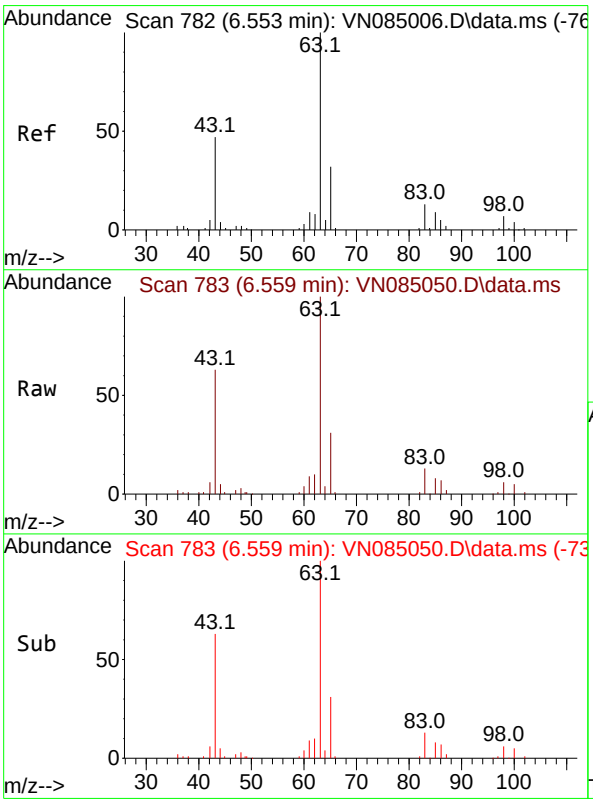
#23
Vinyl Acetate
Concen: 270.220 ug/l
RT: 6.594 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1030035

Ion	Ratio	Lower	Upper
43	100		
86	11.3	8.9	13.3

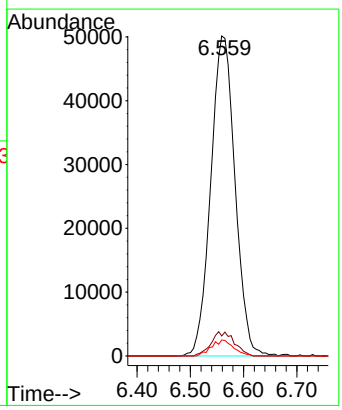


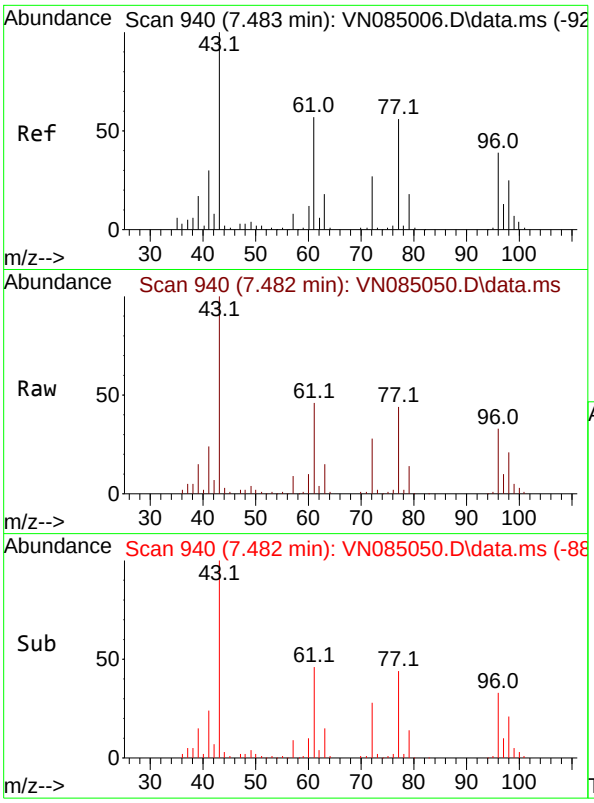


#24
1,1-Dichloroethane
Concen: 48.028 ug/l
RT: 6.559 min Scan# 783
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 63 Resp: 158805

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.3	9.8
100	5.0	2.2	6.6



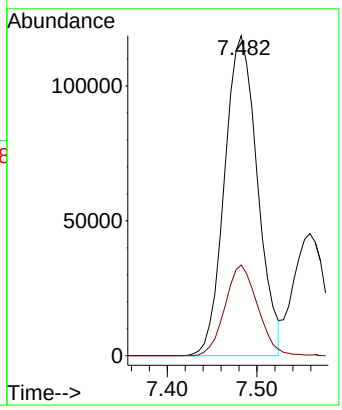


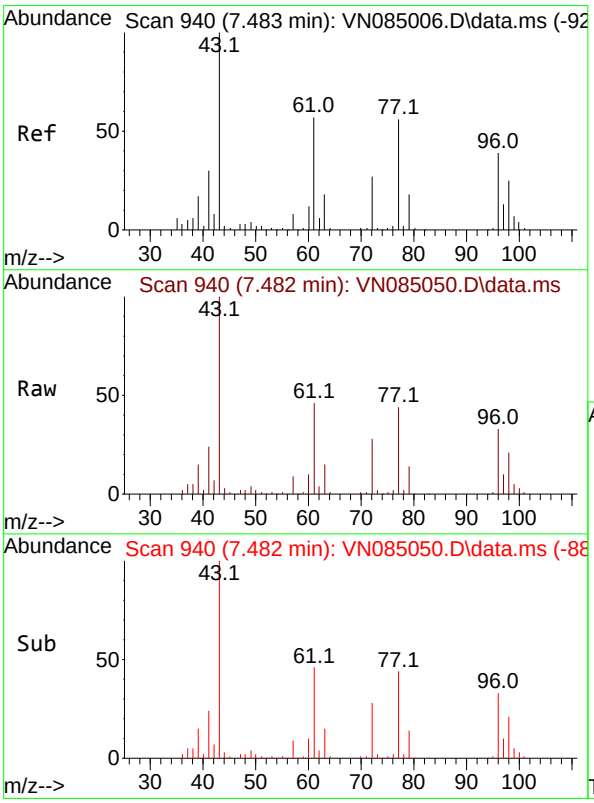
#25
2-Butanone
Concen: 290.407 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 302206

Ion	Ratio	Lower	Upper
43	100		
72	28.4	21.4	32.0

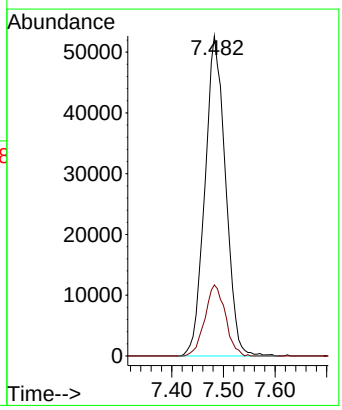


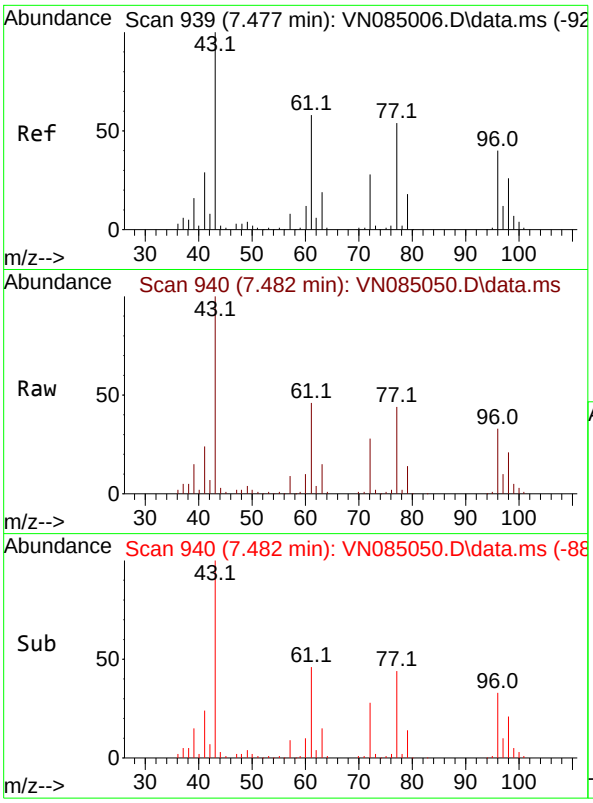


#26
2,2-Dichloropropane
Concen: 47.240 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 77 Resp: 145854

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.9	32.7



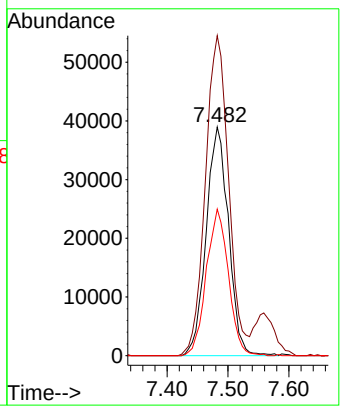


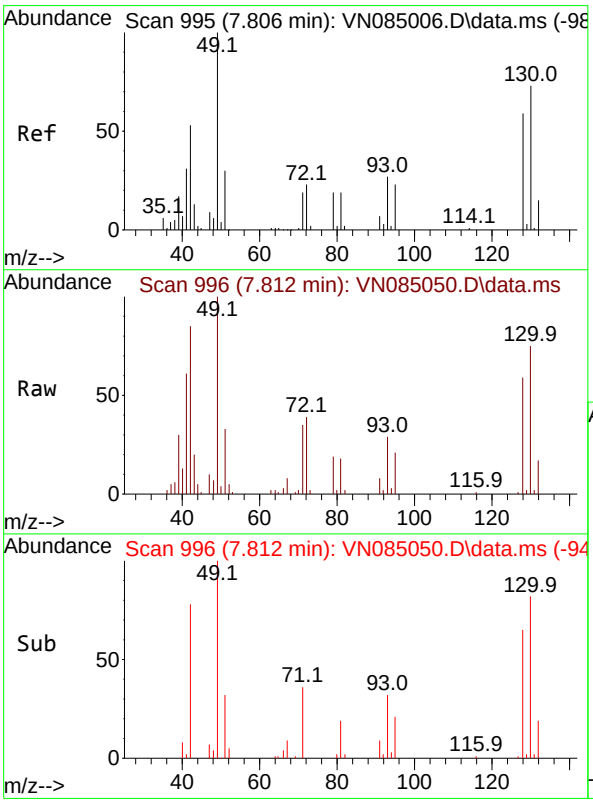
#27
cis-1,2-Dichloroethene
Concen: 48.079 ug/l
RT: 7.482 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 99330

Ion	Ratio	Lower	Upper
96	100		
61	145.9	0.0	291.6
98	63.5	0.0	129.8

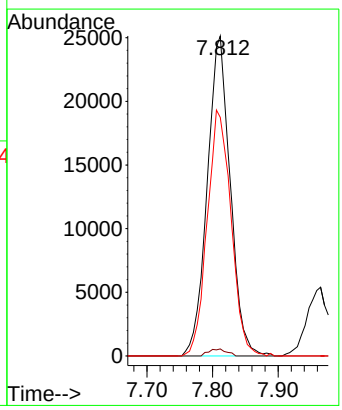


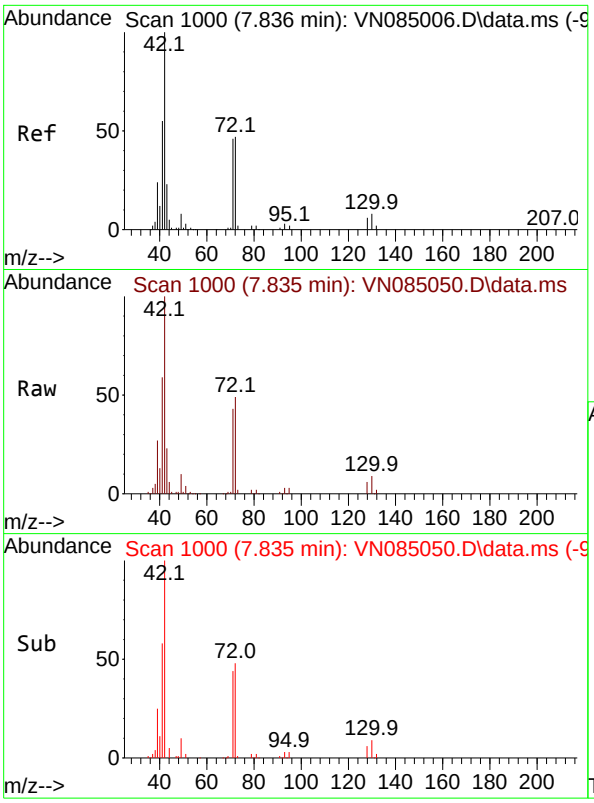


#28
Bromochloromethane
Concen: 49.035 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 49 Resp: 61203

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.0
130	79.6	60.6	90.8



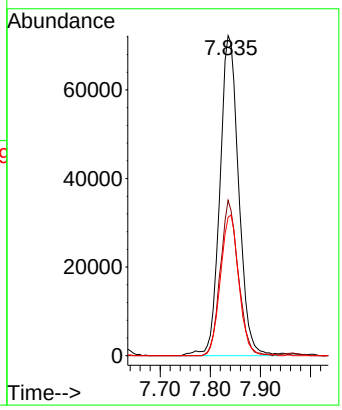


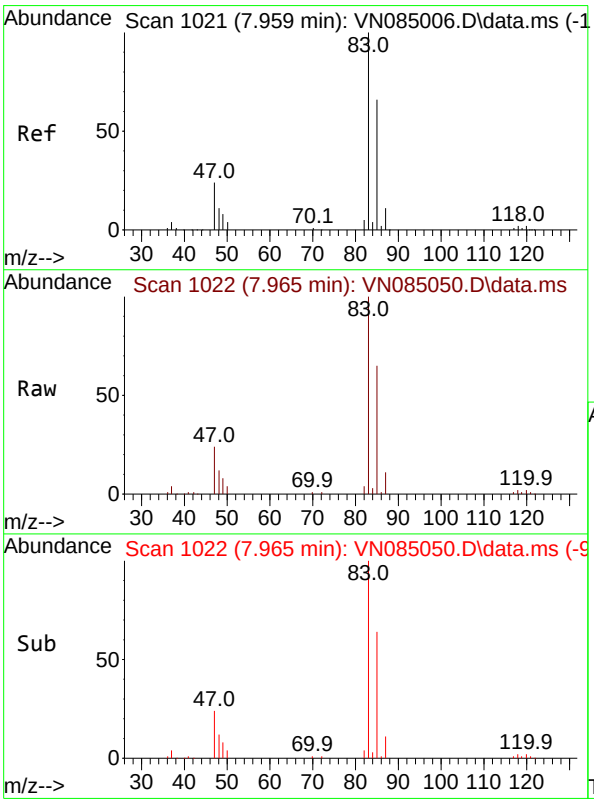
#29
Tetrahydrofuran
Concen: 291.291 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 188504

Ion	Ratio	Lower	Upper
42	100		
72	46.0	37.0	55.4
71	43.0	35.0	52.4

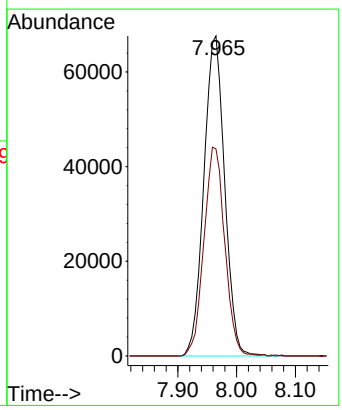


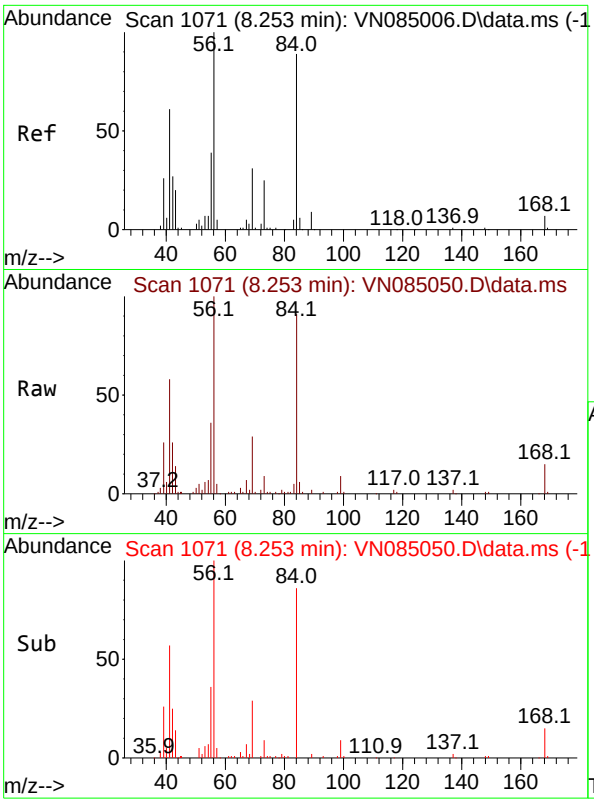


#30
Chloroform
Concen: 47.208 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 83 Resp: 166044

Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.6	78.8



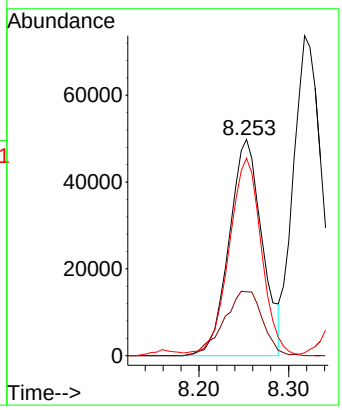


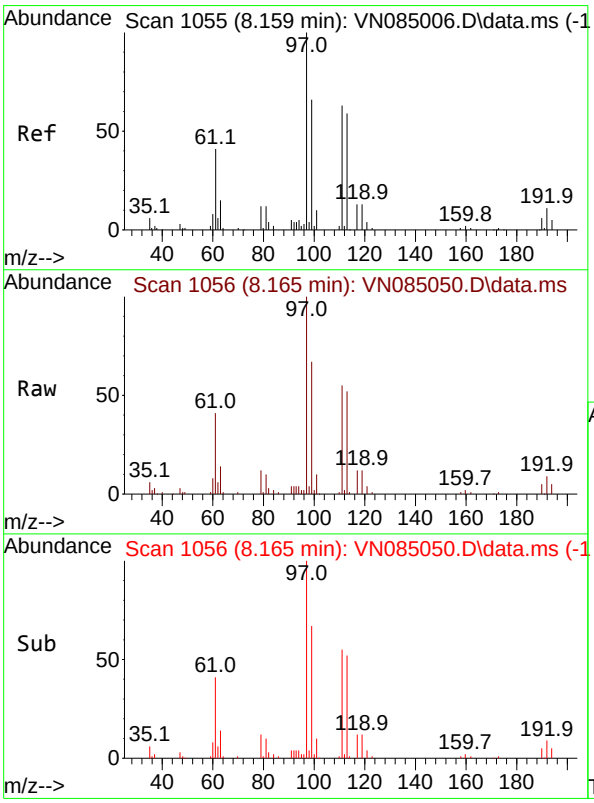
#31
Cyclohexane
Concen: 43.698 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 127216

Ion	Ratio	Lower	Upper
56	100		
69	29.5	24.6	36.8
84	89.6	71.4	107.2

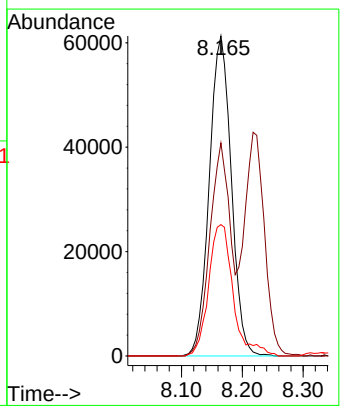


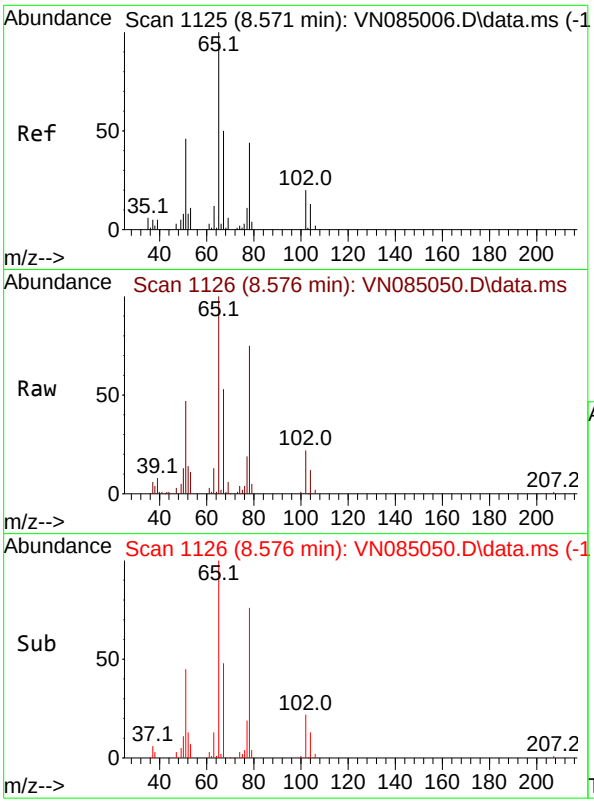


#32
1,1,1-Trichloroethane
Concen: 48.507 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 97 Resp: 154174

Ion	Ratio	Lower	Upper
97	100		
99	61.4	51.0	76.4
61	45.5	36.2	54.2



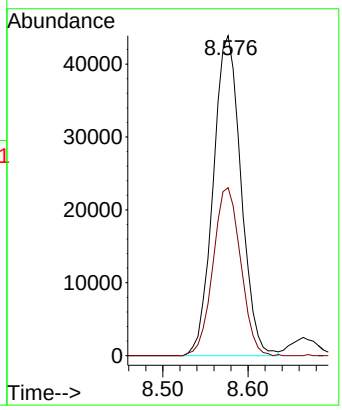


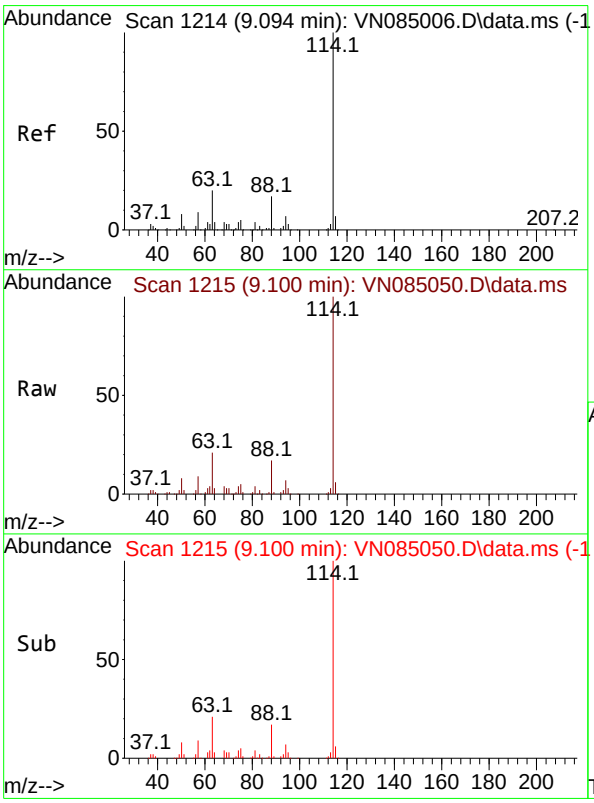
#33
1,2-Dichloroethane-d4
Concen: 45.484 ug/l
RT: 8.576 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 99406

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	105.0

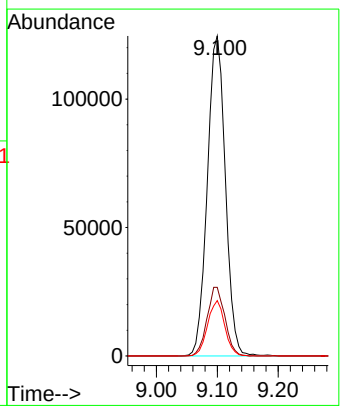


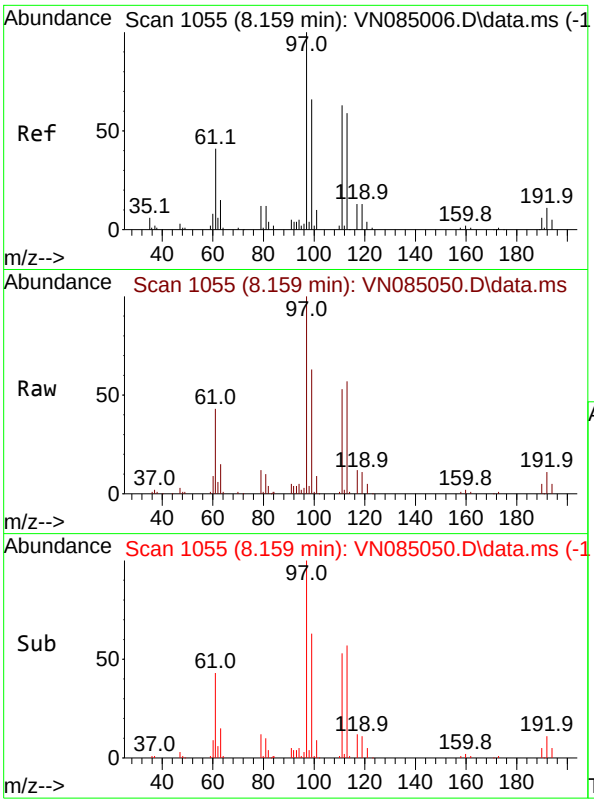


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:114 Resp: 256451

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	41.0
88	17.3	0.0	34.8



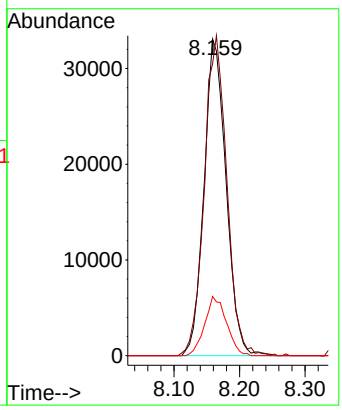


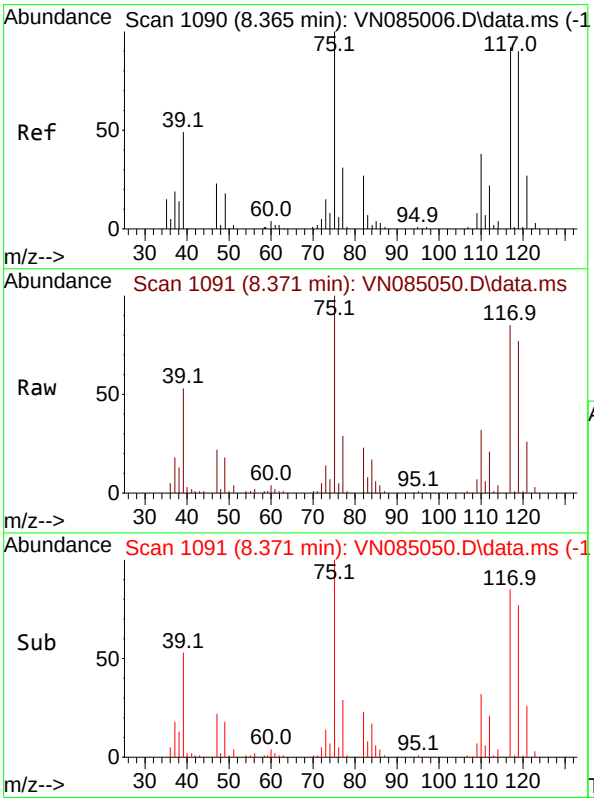
#35
Dibromofluoromethane
Concen: 44.766 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 77420

Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.0	123.0
192	18.5	14.8	22.2

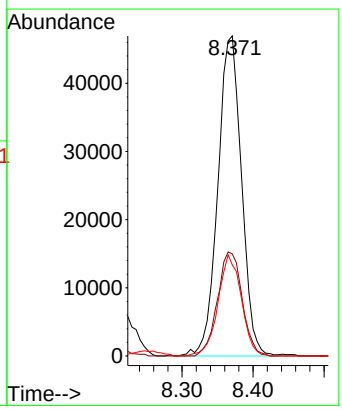


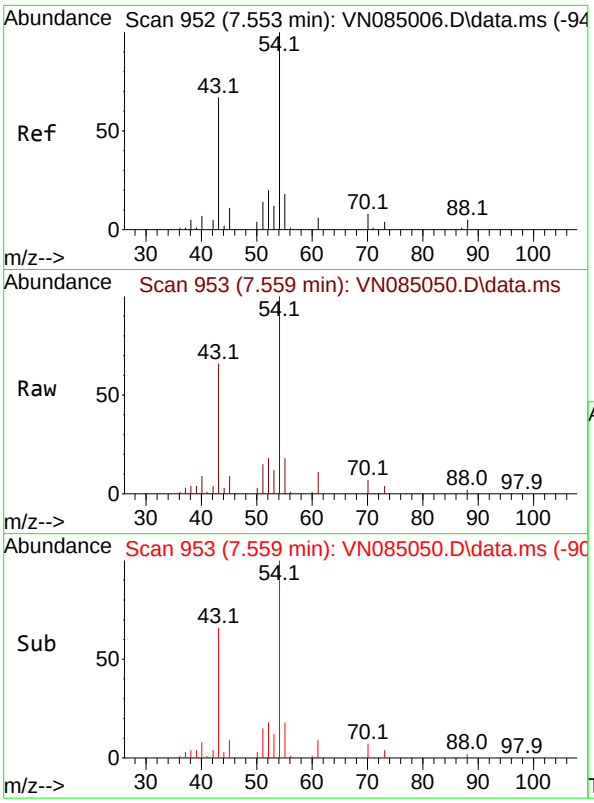


#36
1,1-Dichloropropene
Concen: 46.366 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 75 Resp: 108611

Ion	Ratio	Lower	Upper
75	100		
110	33.8	17.2	51.6
77	31.0	24.2	36.4



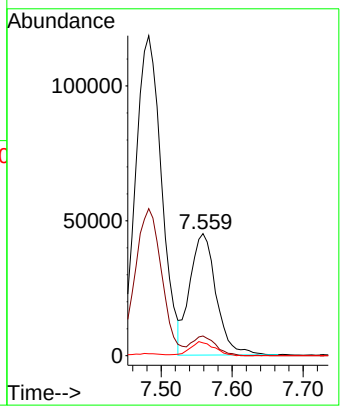


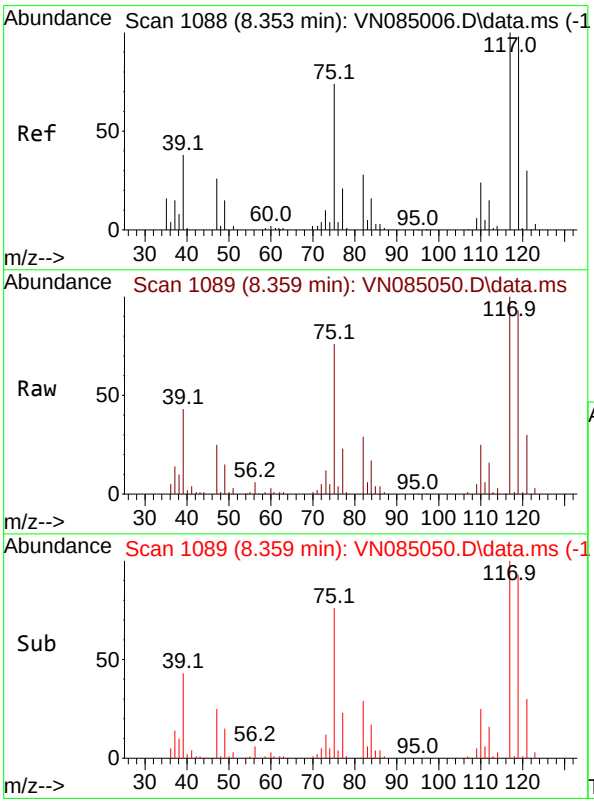
#37
Ethyl Acetate
Concen: 54.646 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 116373

Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.7	17.5
70	10.6	9.3	13.9

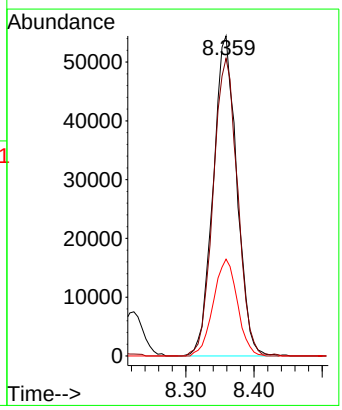


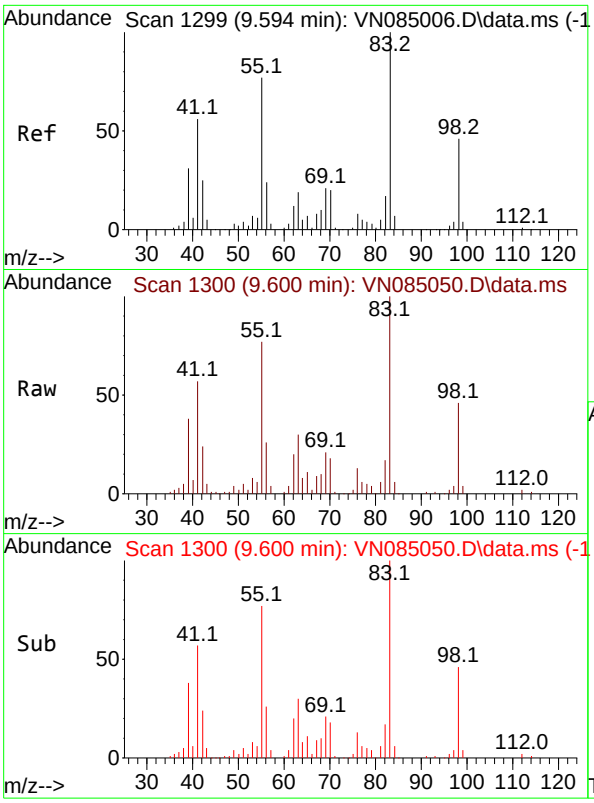


#38
Carbon Tetrachloride
Concen: 48.571 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:117 Resp: 131332

Ion	Ratio	Lower	Upper
117	100		
119	93.0	78.6	117.8
121	30.2	24.2	36.2



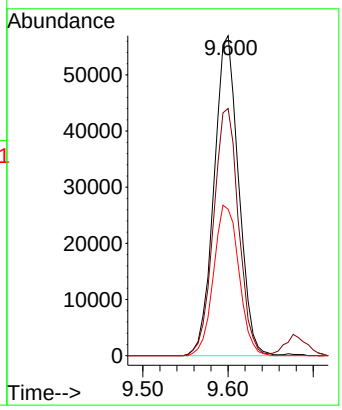


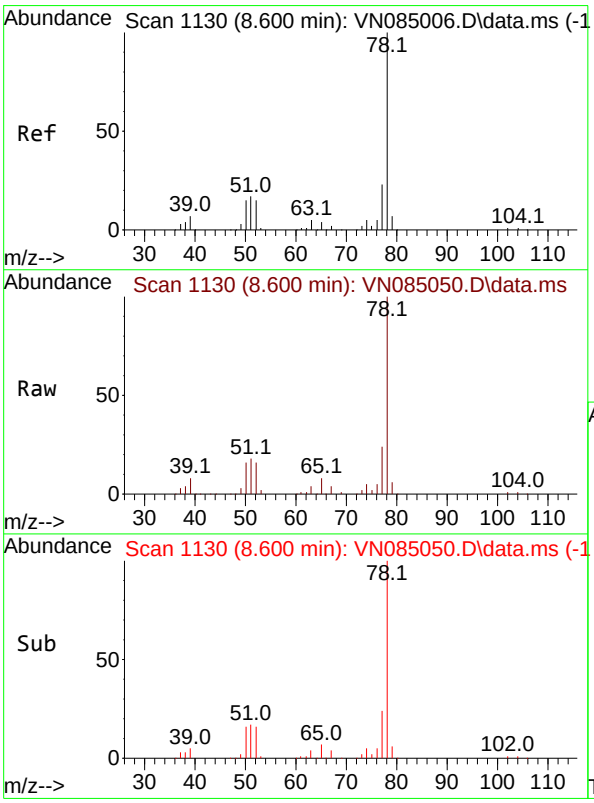
#39
Methylcyclohexane
Concen: 46.916 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 114201

Ion	Ratio	Lower	Upper
83	100		
55	77.2	61.8	92.6
98	45.8	37.0	55.6

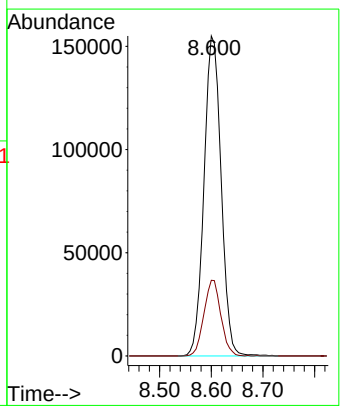


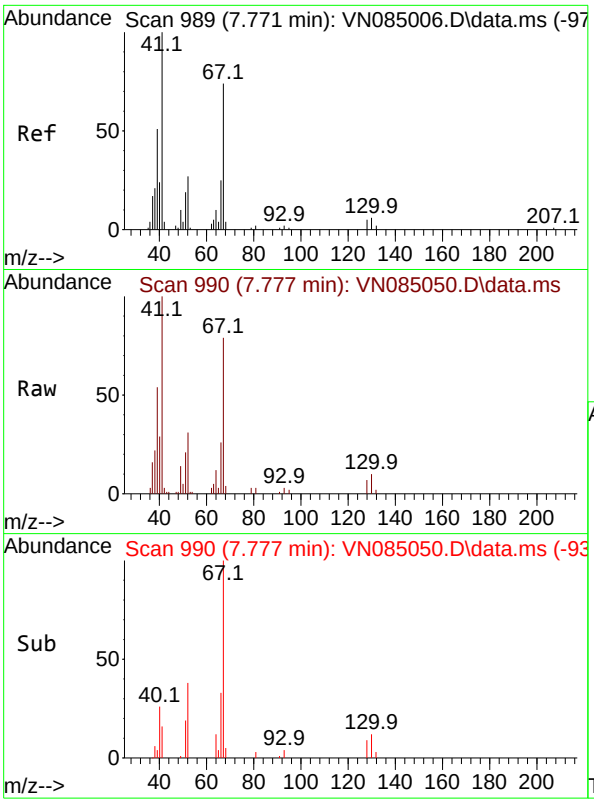


#40
Benzene
Concen: 48.130 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 78 Resp: 356588

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.5	27.7



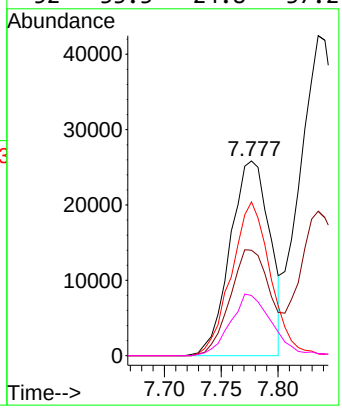


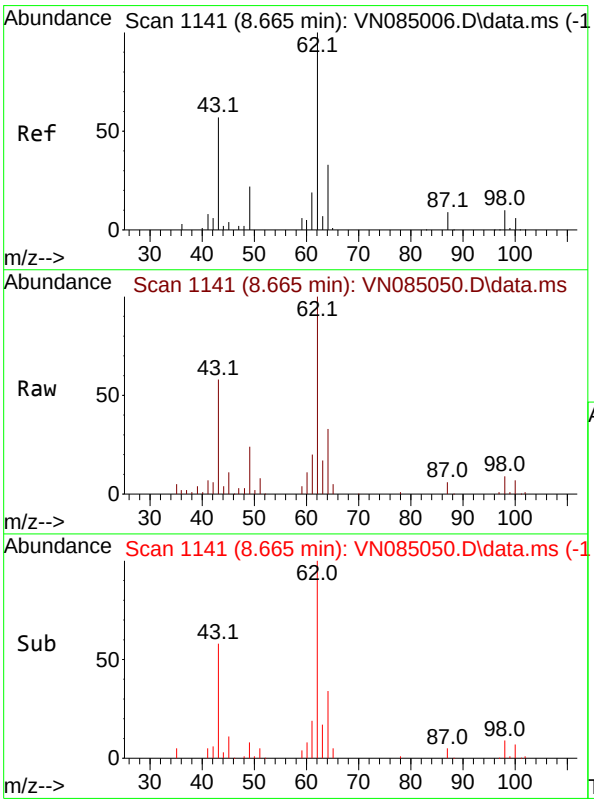
#41
Methacrylonitrile
Concen: 53.226 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 62758

Ion	Ratio	Lower	Upper
41	100		
39	57.2	42.6	63.8
67	78.4	59.9	89.9
52	33.3	24.8	37.2

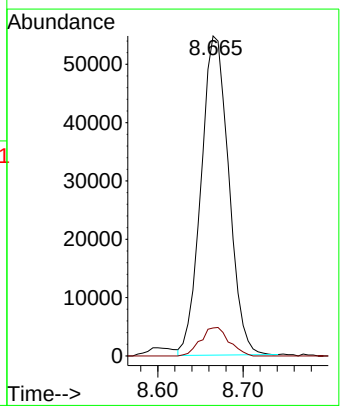


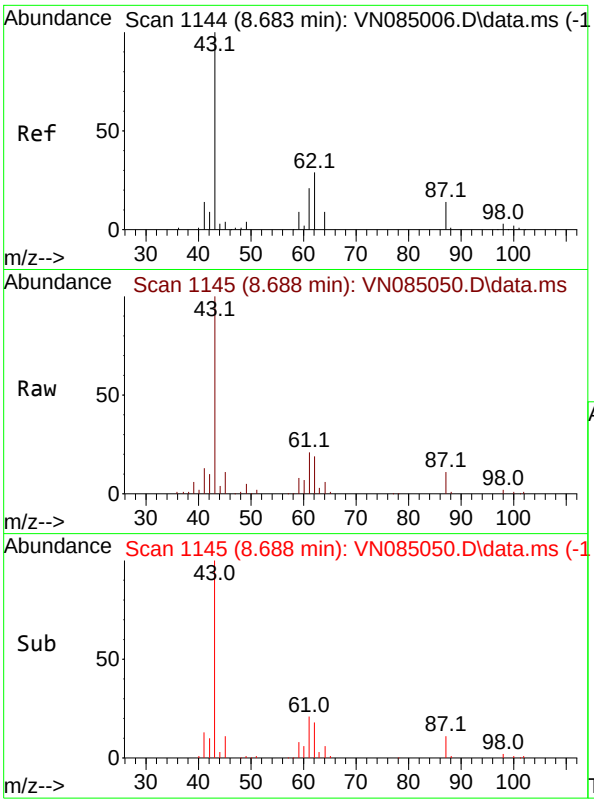


#42
1,2-Dichloroethane
Concen: 48.696 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 62 Resp: 123426

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2



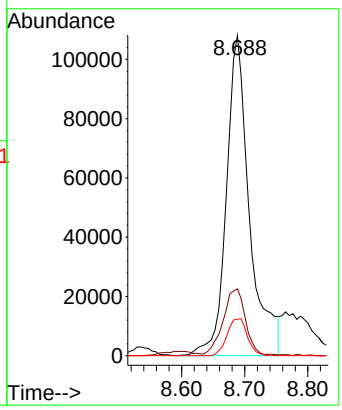


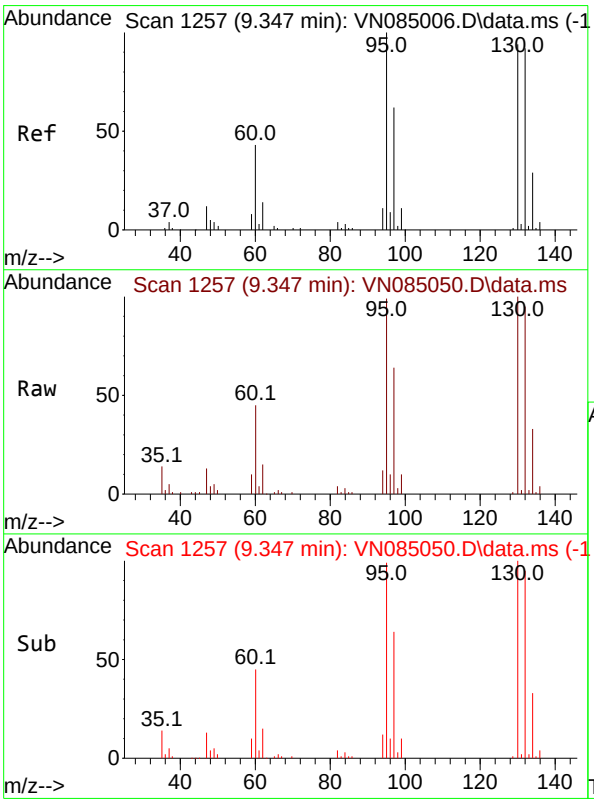
#43
Isopropyl Acetate
Concen: 62.355 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 275827

Ion	Ratio	Lower	Upper
43	100		
61	19.8	20.6	30.8#
87	10.1	11.0	16.4#

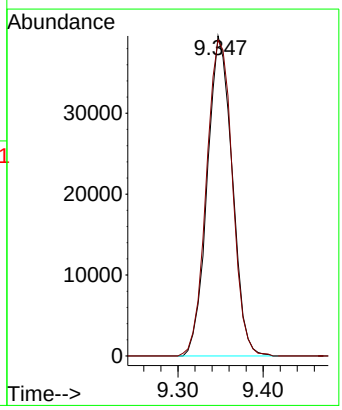


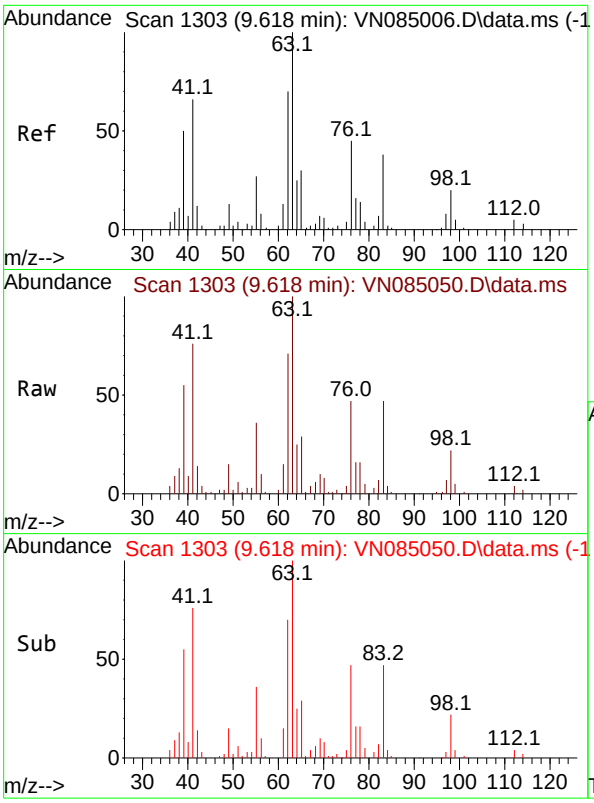


#44
Trichloroethene
Concen: 46.688 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:130 Resp: 80386

Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	213.4



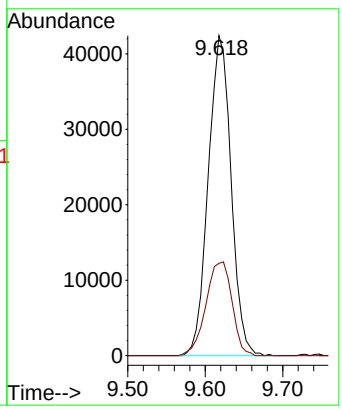


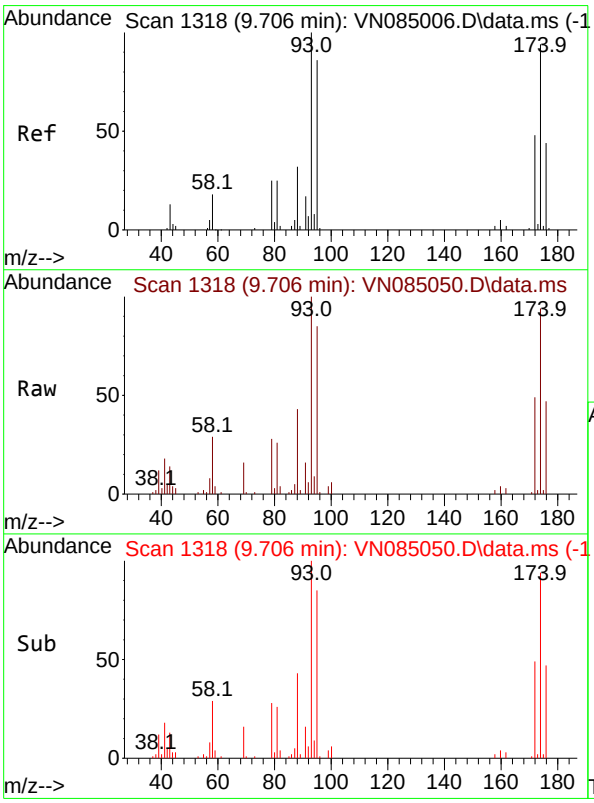
#45
1,2-Dichloropropane
Concen: 47.681 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 87009

Ion	Ratio	Lower	Upper
63	100		
65	28.9	24.0	36.0

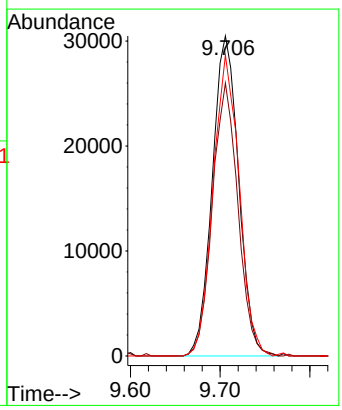


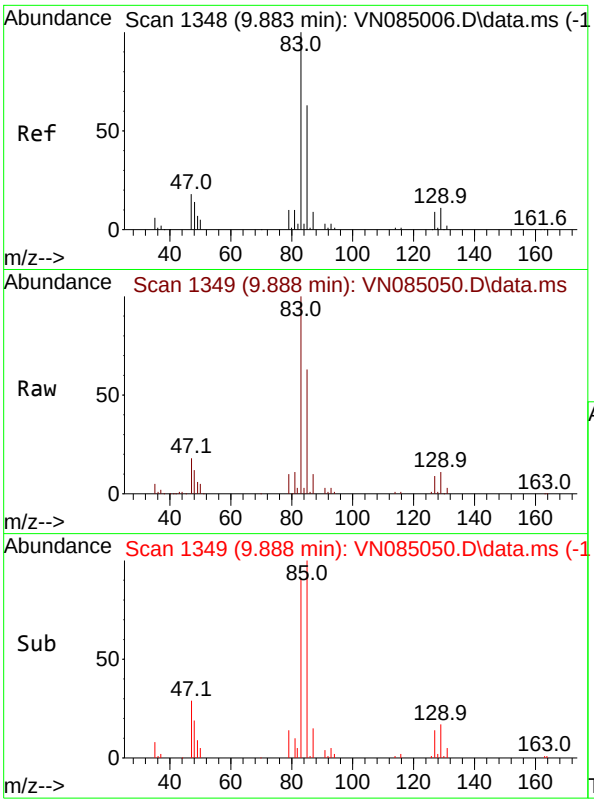


#46
Dibromomethane
Concen: 49.056 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 93 Resp: 62202

Ion	Ratio	Lower	Upper
93	100		
95	82.6	66.2	99.4
174	93.1	74.9	112.3



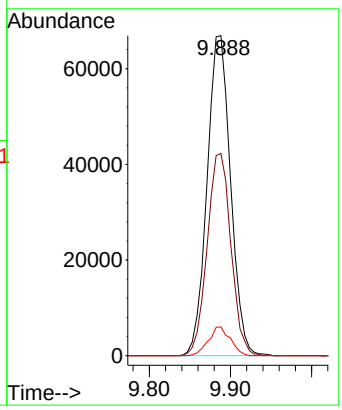


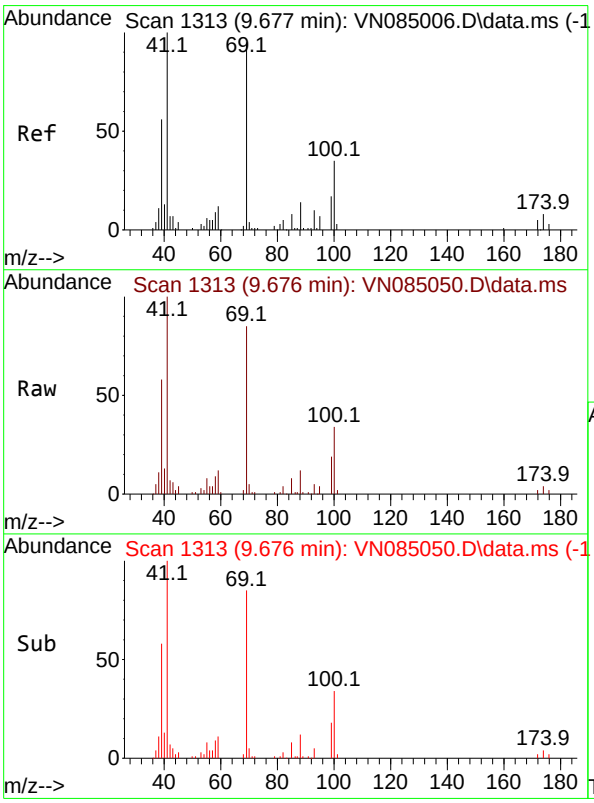
#47
Bromodichloromethane
Concen: 50.146 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 134764

Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.5	75.7
127	9.0	7.1	10.7

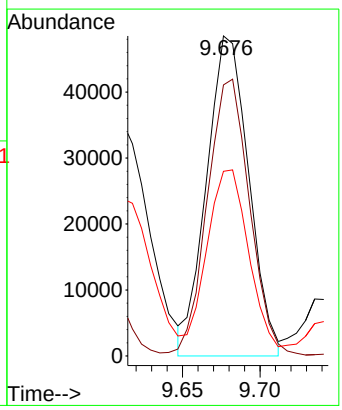


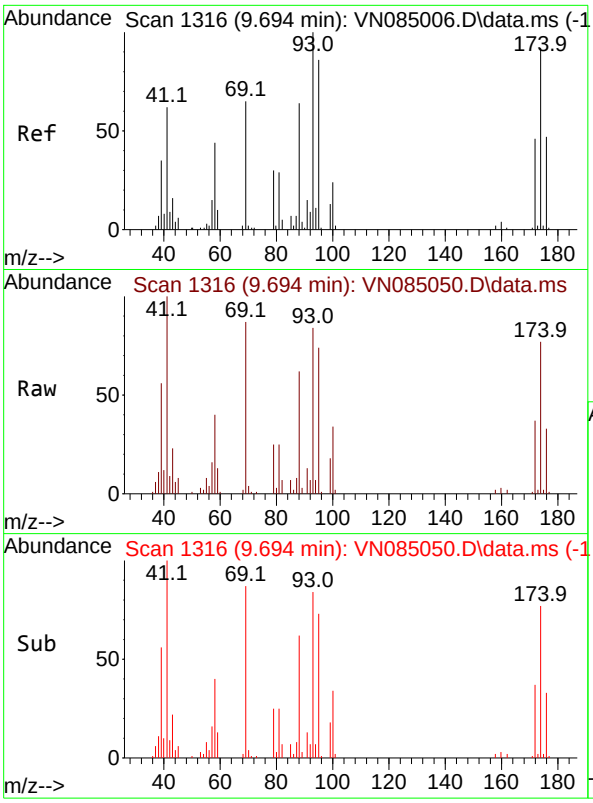


#48
Methyl methacrylate
Concen: 55.737 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 41 Resp: 91748

Ion	Ratio	Lower	Upper
41	100		
69	87.3	73.2	109.8
39	59.6	46.2	69.4



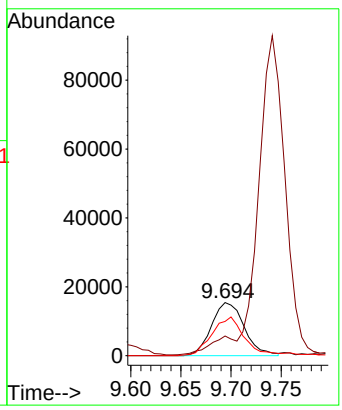


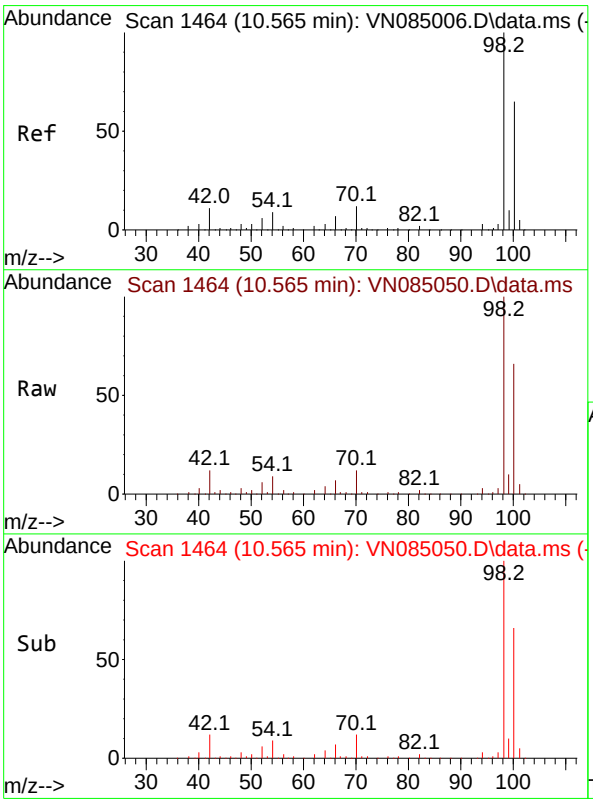
#49
1,4-Dioxane
Concen: 1228.790 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 35077

Ion	Ratio	Lower	Upper
88	100		
43	28.3	16.7	25.1#
58	75.8	56.5	84.7

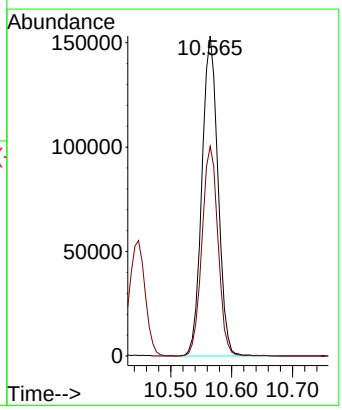


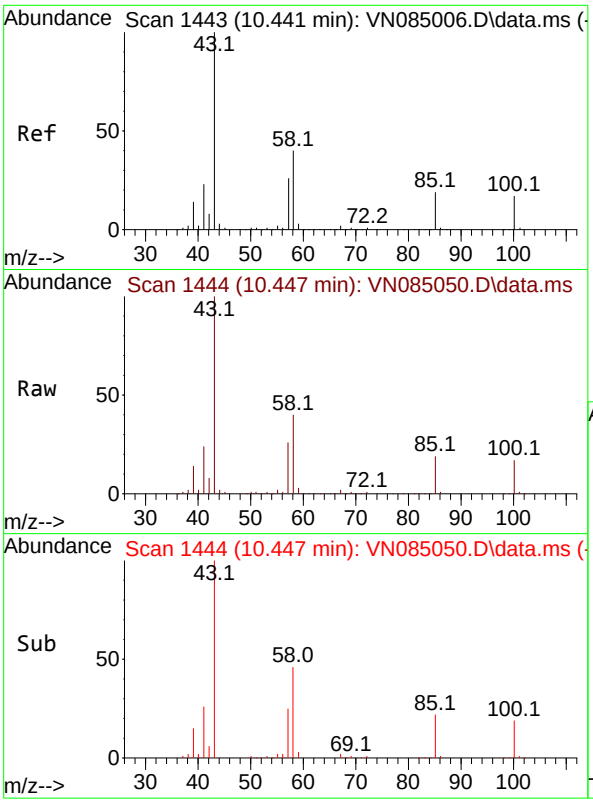


#50
Toluene-d8
Concen: 45.348 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 98 Resp: 281059

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.5	78.7



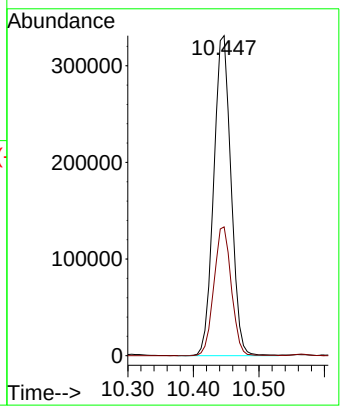


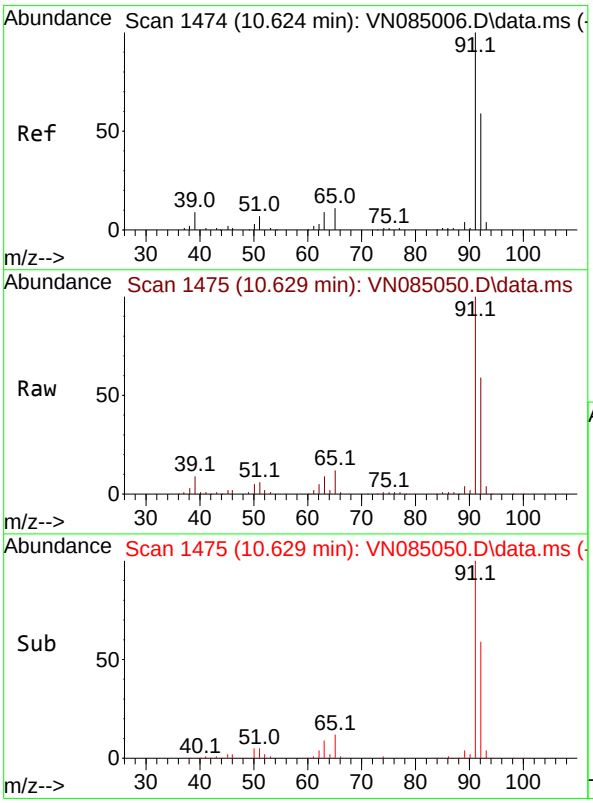
#51
4-Methyl-2-Pentanone
Concen: 299.877 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 605885

Ion	Ratio	Lower	Upper
43	100		
58	40.5	32.1	48.1

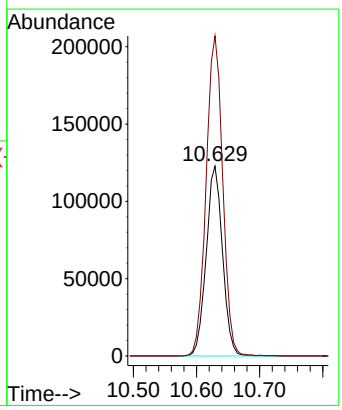


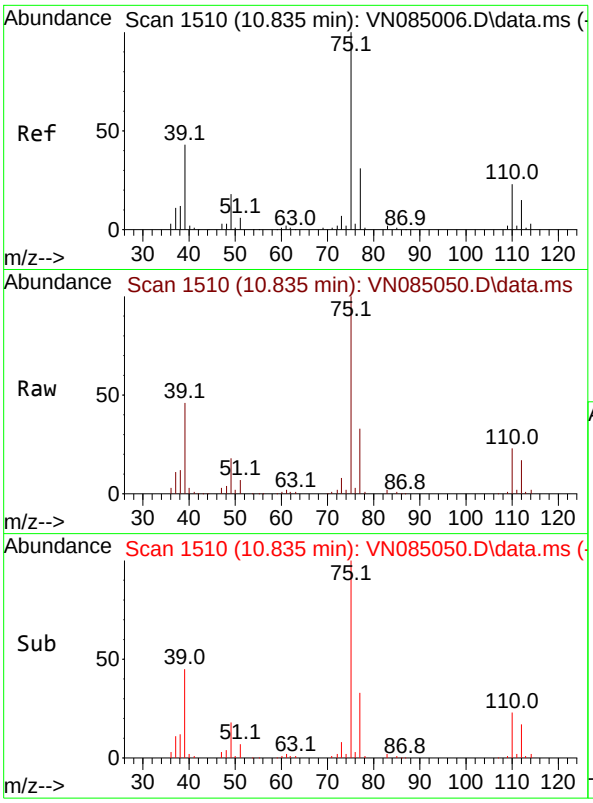


#52
Toluene
Concen: 50.120 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 92 Resp: 219828

Ion	Ratio	Lower	Upper
92	100		
91	171.5	136.7	205.1



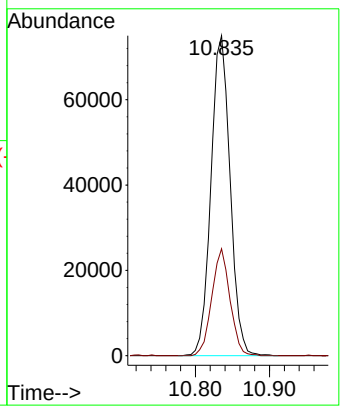


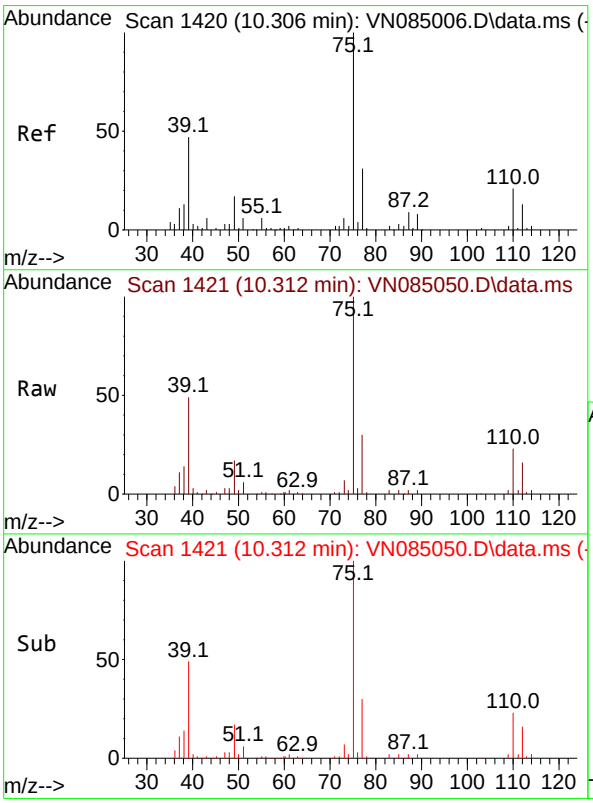
#53
t-1,3-Dichloropropene
Concen: 49.924 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 134511

Ion	Ratio	Lower	Upper
75	100		
77	33.4	25.0	37.4

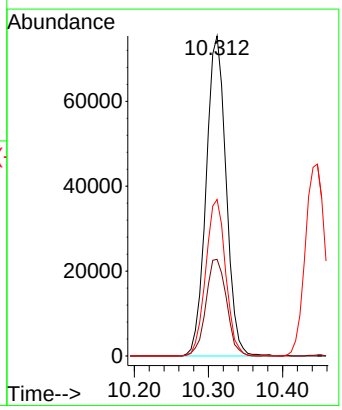


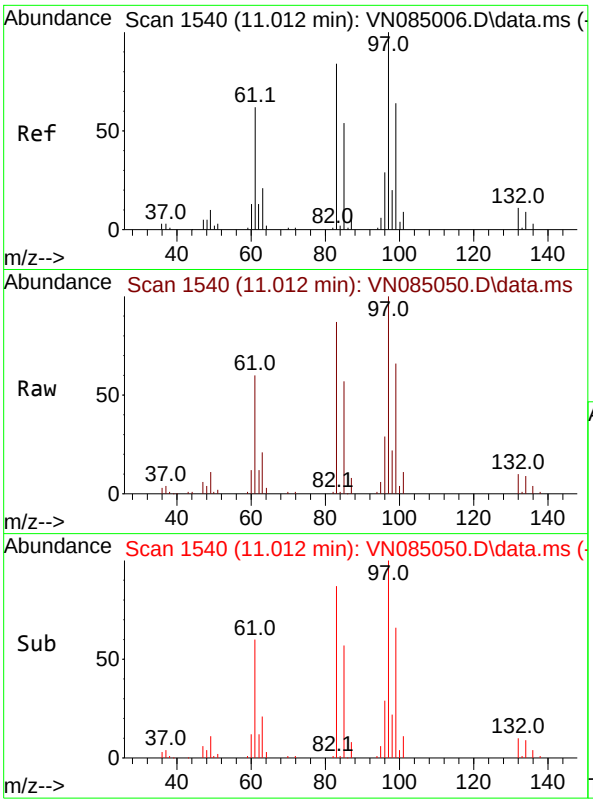


#54
cis-1,3-Dichloropropene
Concen: 49.304 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 75 Resp: 140927

Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.0	37.4
39	48.9	37.6	56.4



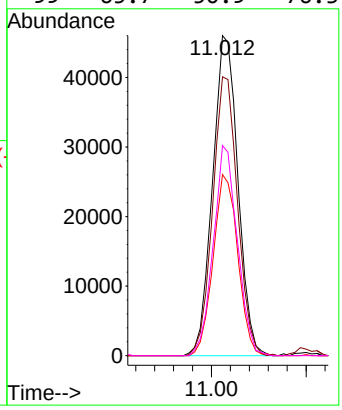


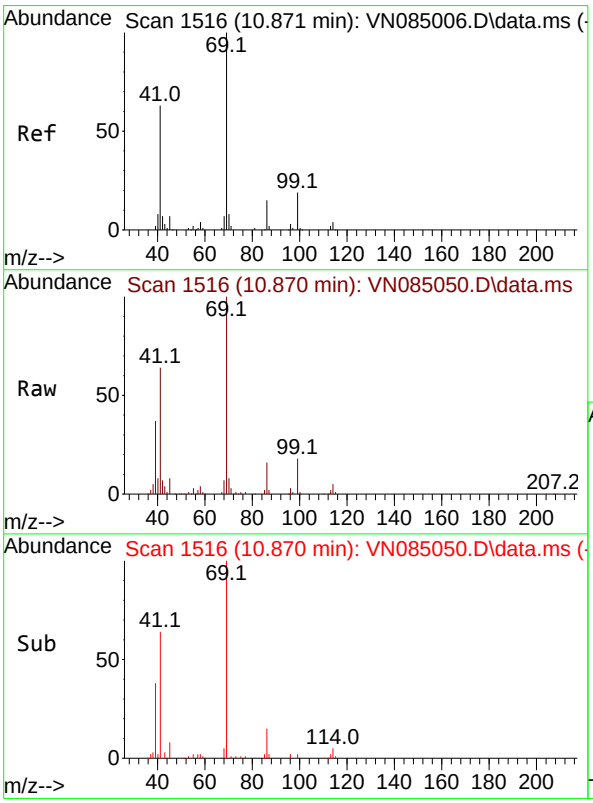
#55
1,1,2-Trichloroethane
Concen: 52.366 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 85550

Ion	Ratio	Lower	Upper
97	100		
83	87.2	67.4	101.2
85	56.6	43.1	64.7
99	65.7	50.9	76.3

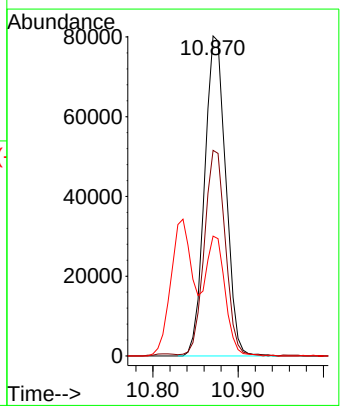


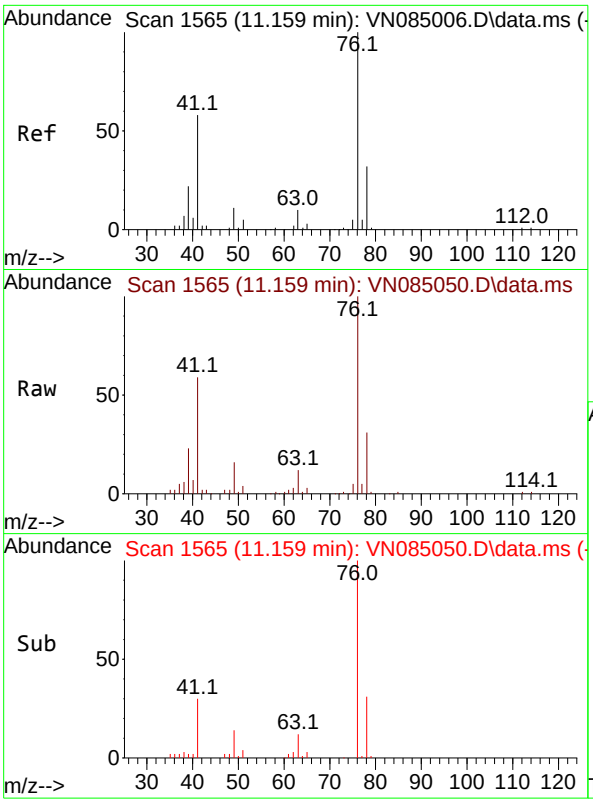


#56
Ethyl methacrylate
Concen: 57.909 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 69 Resp: 138242

Ion	Ratio	Lower	Upper
69	100		
41	64.3	50.0	75.0
39	35.5	27.0	40.6



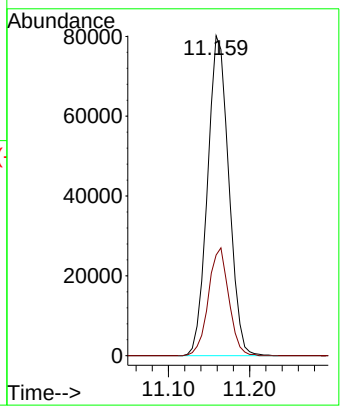


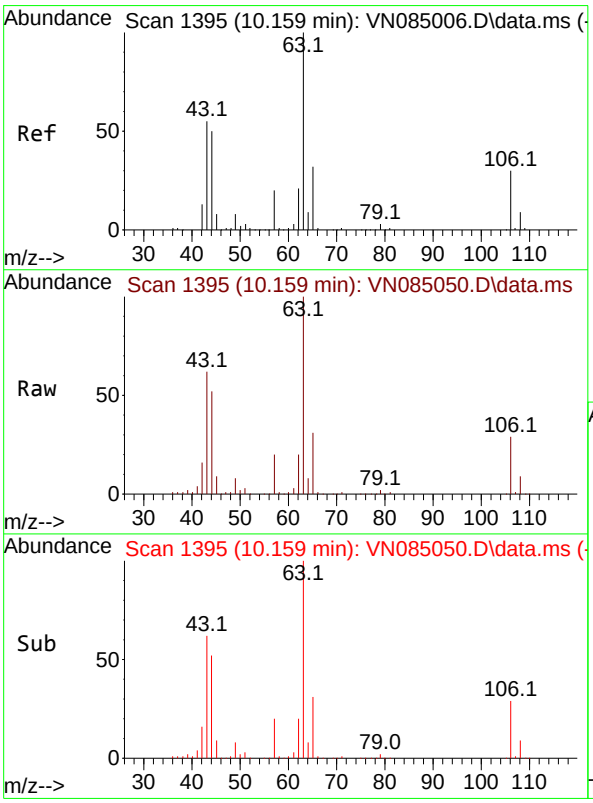
#57
1,3-Dichloropropane
Concen: 50.778 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 146001

Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.1	39.1

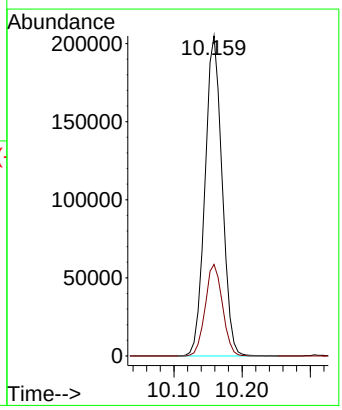


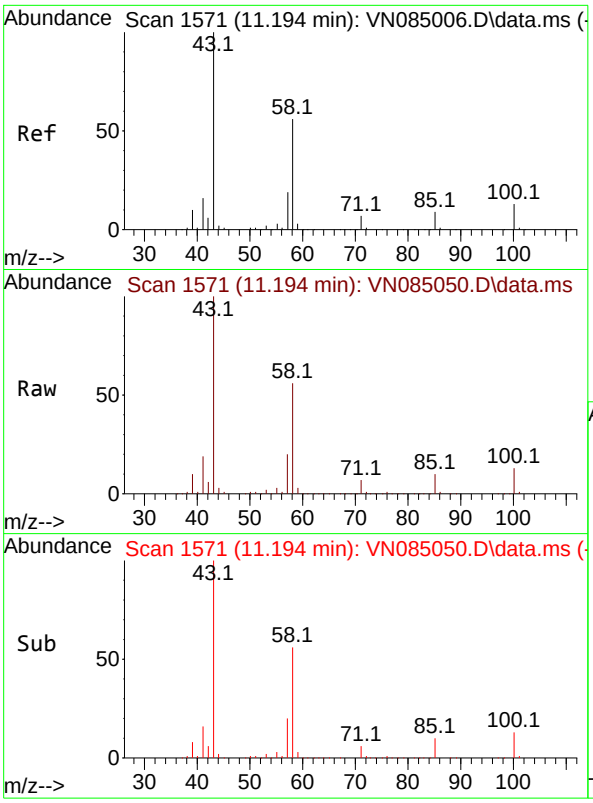


#58
2-Chloroethyl Vinyl ether
Concen: 304.919 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 63 Resp: 357062

Ion	Ratio	Lower	Upper
63	100		
106	28.9	23.0	34.6



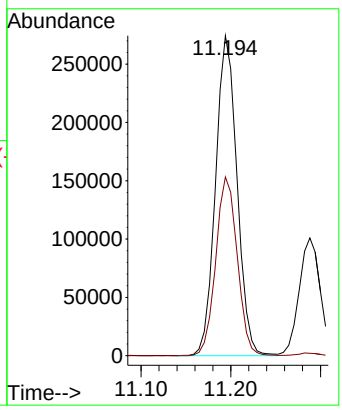


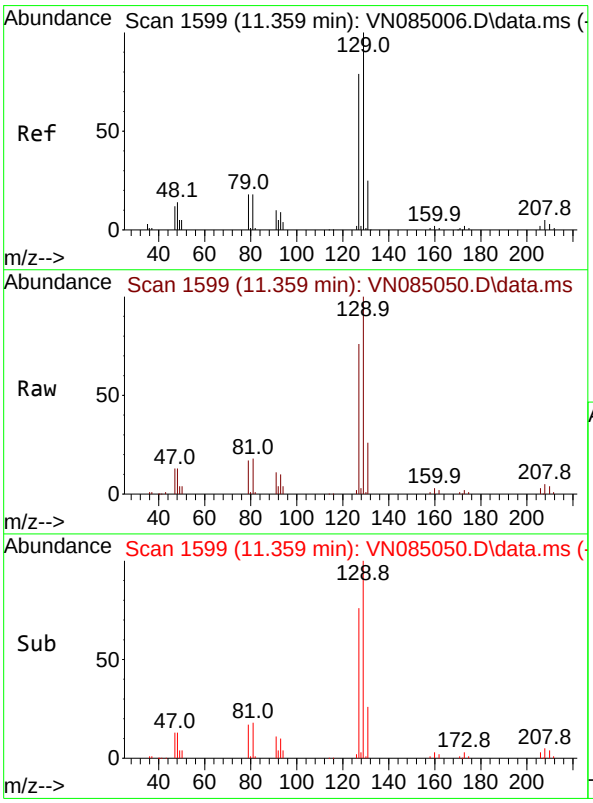
#59
2-Hexanone
Concen: 301.875 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 456163

Ion	Ratio	Lower	Upper
43	100		
58	55.8	28.3	85.0

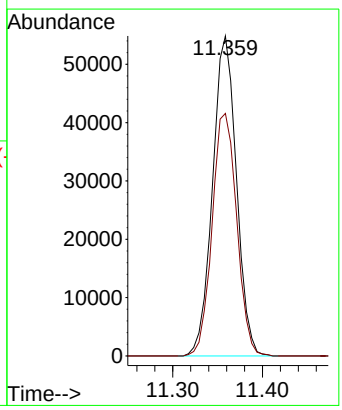


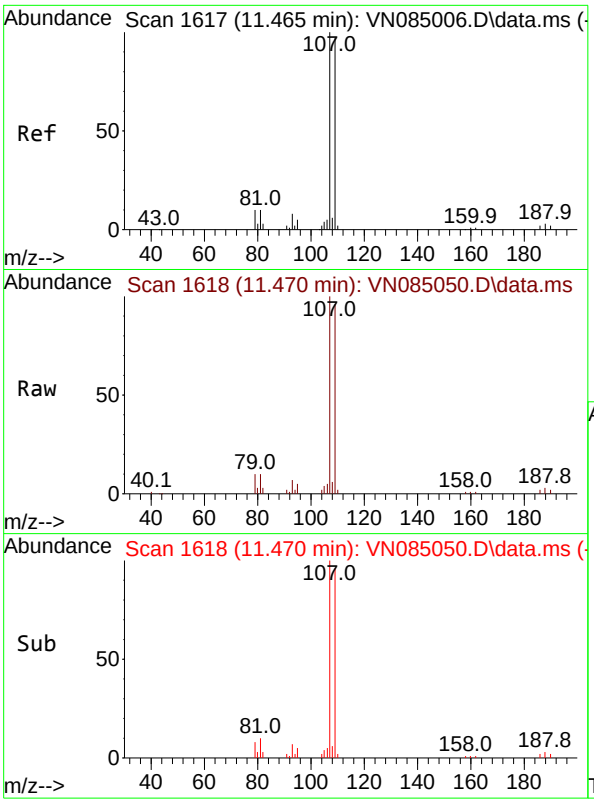


#60
Dibromochloromethane
Concen: 50.705 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:129 Resp: 101239

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.2	117.6



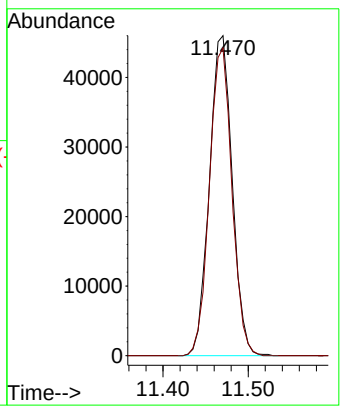


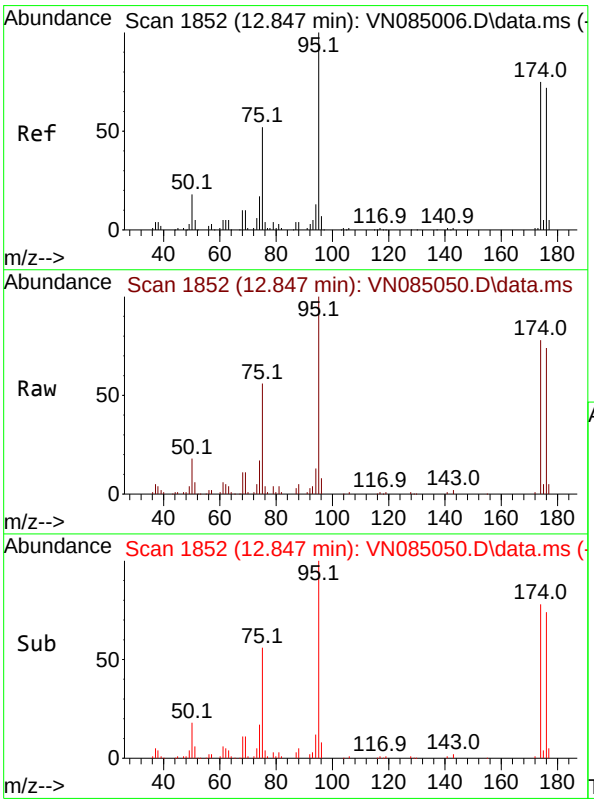
#61
1,2-Dibromoethane
Concen: 50.598 ug/l
RT: 11.470 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 85548

Ion	Ratio	Lower	Upper
107	100		
109	94.9	76.1	114.1

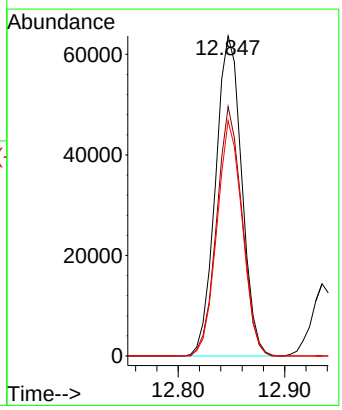


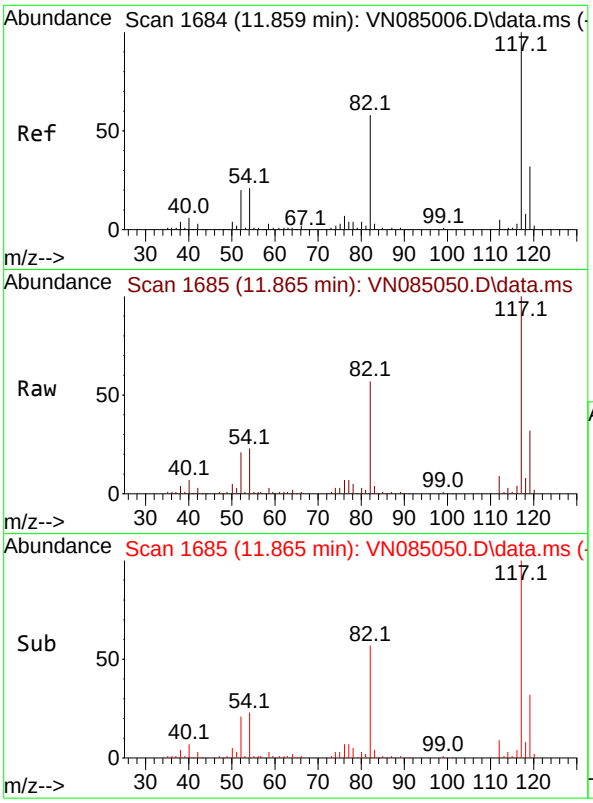


#62
4-Bromofluorobenzene
Concen: 46.887 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 95 Resp: 108675

Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	146.6
176	71.1	0.0	141.8



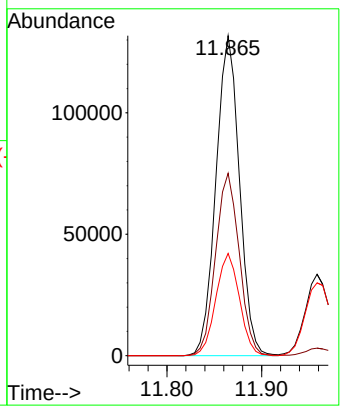


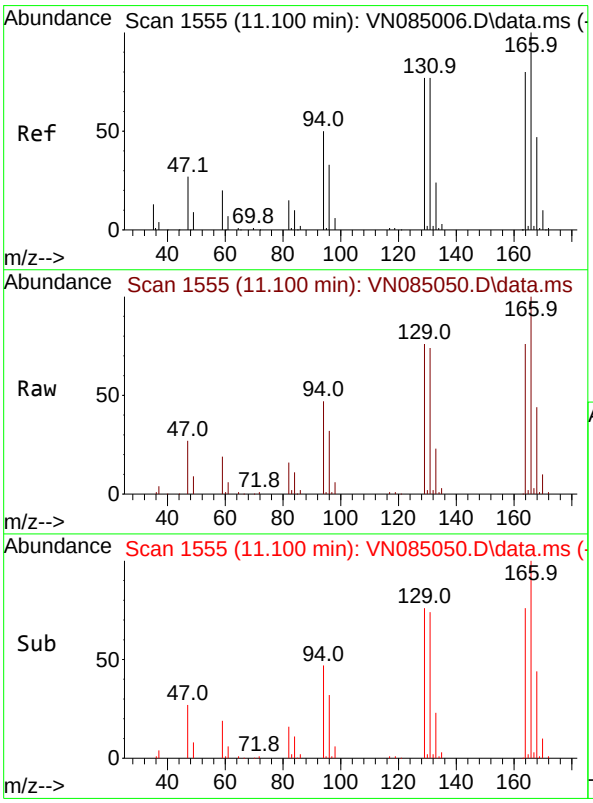
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 227672

Ion	Ratio	Lower	Upper
117	100		
82	57.0	46.0	69.0
119	32.0	25.6	38.4

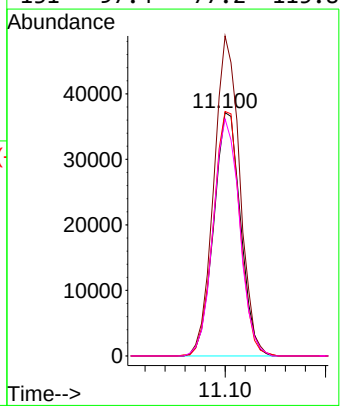


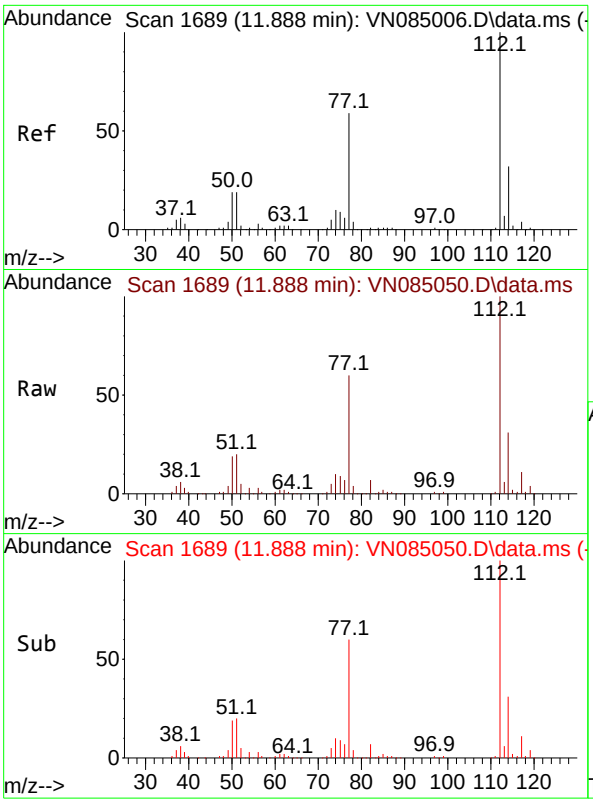


#64
Tetrachloroethene
Concen: 44.830 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:164 Resp: 68775

Ion	Ratio	Lower	Upper
164	100		
166	131.5	100.6	151.0
129	100.5	77.7	116.5
131	97.4	77.2	115.8



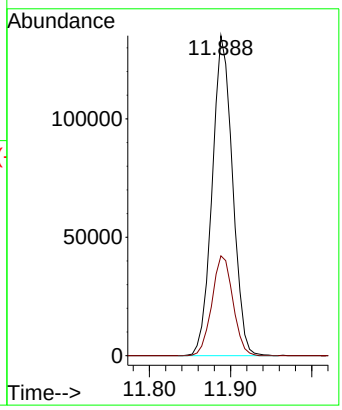


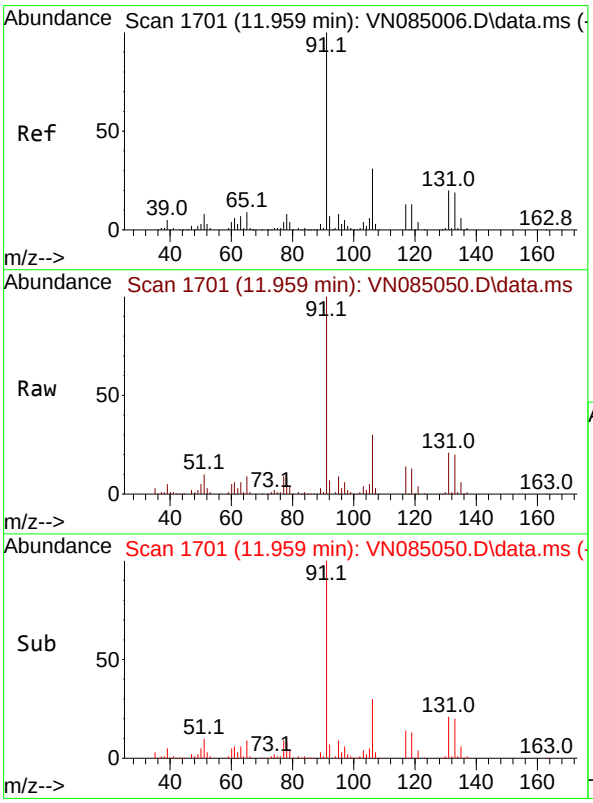
#65
Chlorobenzene
Concen: 45.570 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 235294

Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.8	38.6

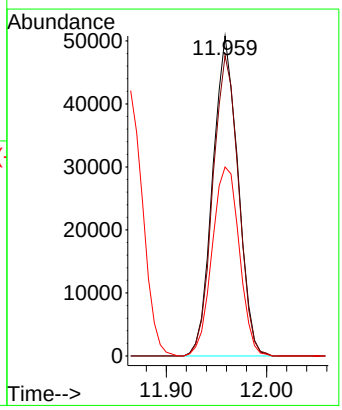


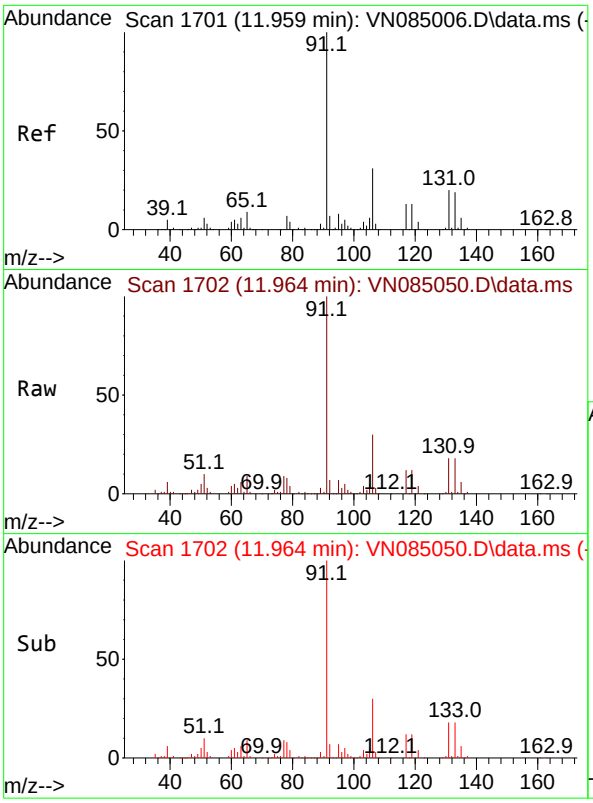


#66
1,1,1,2-Tetrachloroethane
Concen: 48.750 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:131 Resp: 88625

Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.8	143.4
119	63.7	32.1	96.3



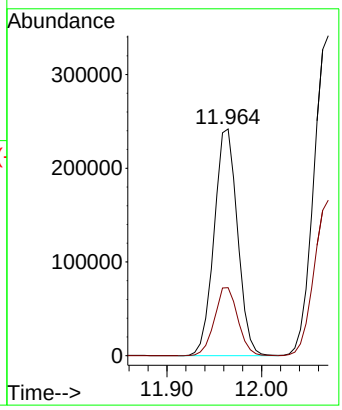


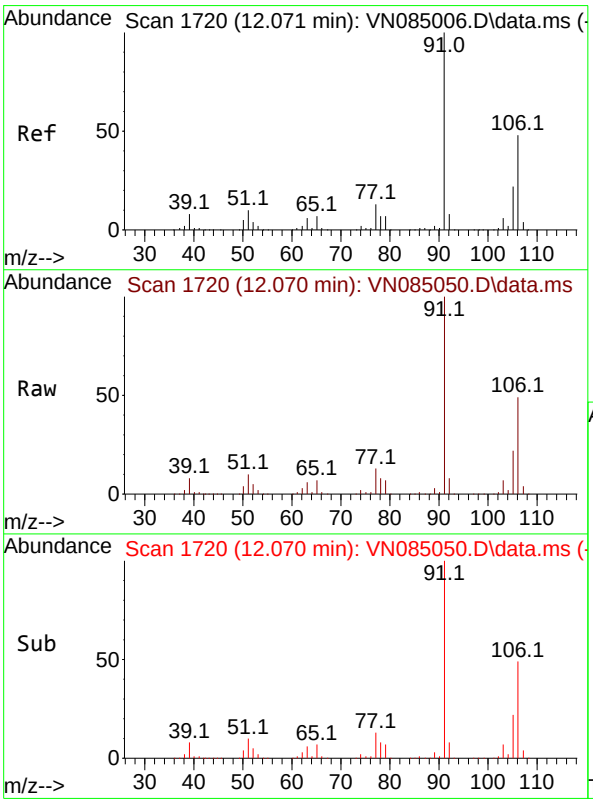
#67
Ethyl Benzene
Concen: 49.599 ug/l
RT: 11.964 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 415484

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.7	37.1

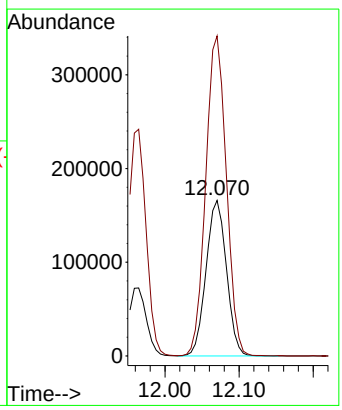


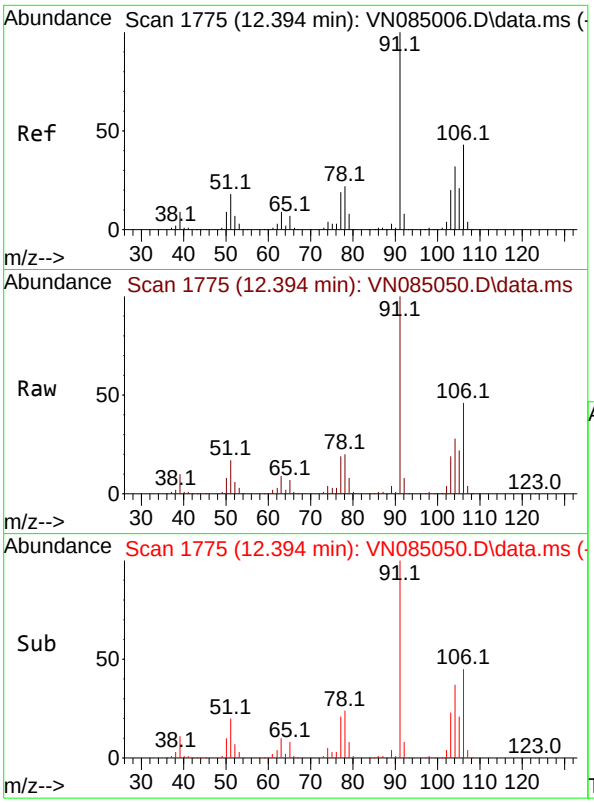


#68
m/p-Xylenes
Concen: 99.579 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:106 Resp: 317581

Ion	Ratio	Lower	Upper
106	100		
91	207.7	168.0	252.0



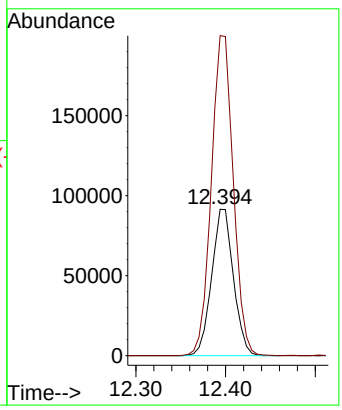


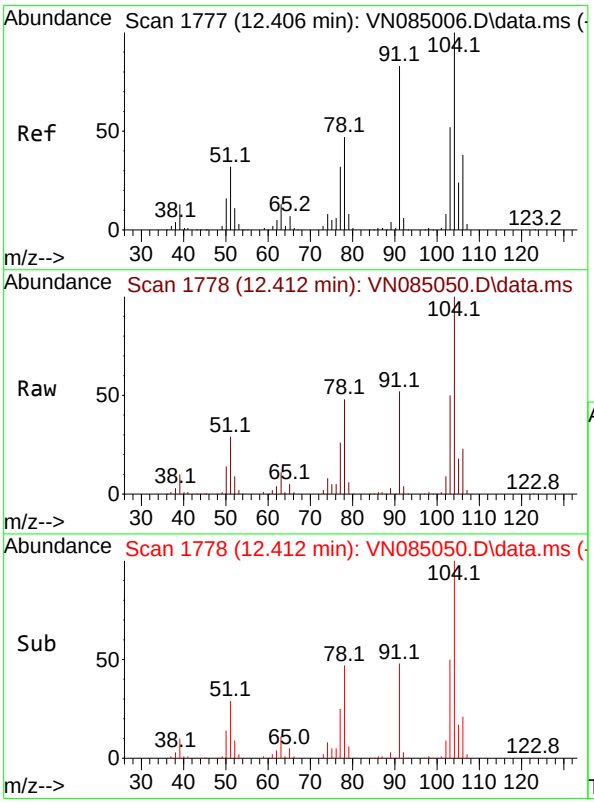
#69
o-Xylene
Concen: 50.796 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 154101

Ion	Ratio	Lower	Upper
106	100		
91	220.6	110.7	331.9

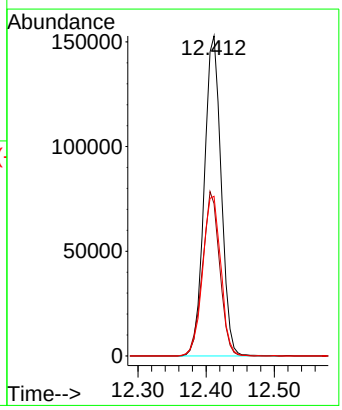


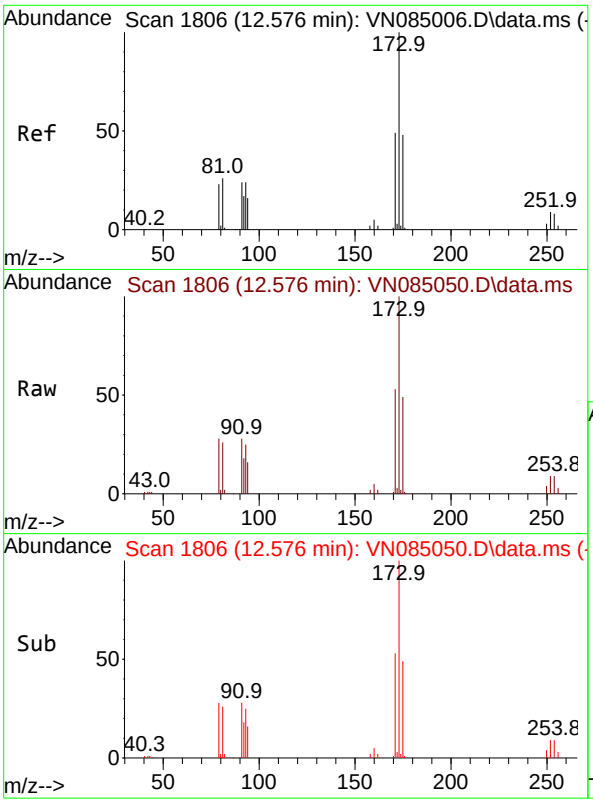


#70
Styrene
Concen: 52.202 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:104 Resp: 263359

Ion	Ratio	Lower	Upper
104	100		
78	52.4	42.3	63.5
103	53.6	44.2	66.2



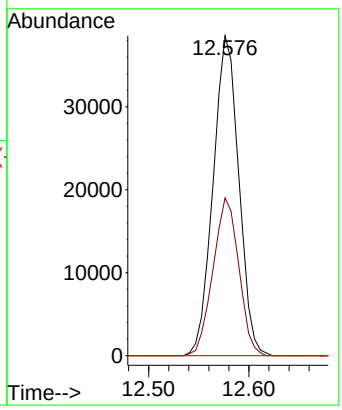


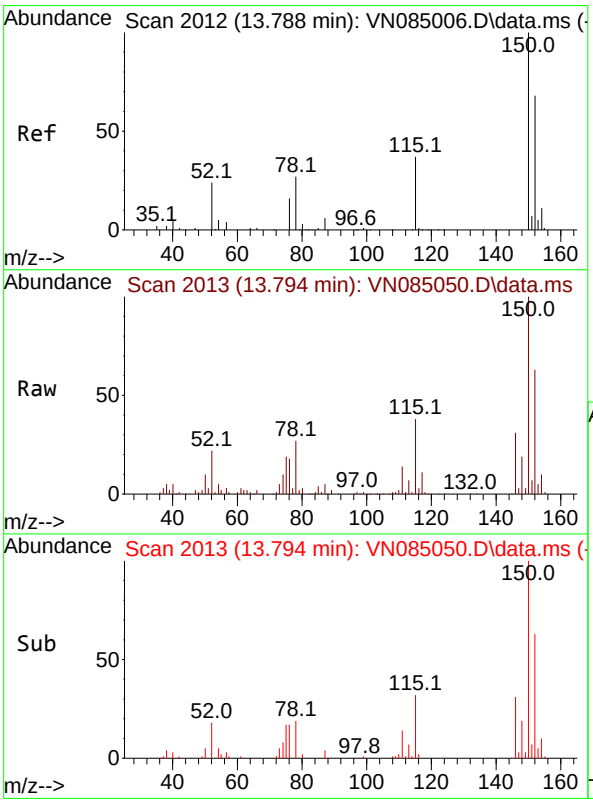
#71
Bromoform
Concen: 50.776 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 68519

Ion	Ratio	Lower	Upper
173	100		
175	49.5	23.8	71.2
254	0.0	0.0	0.0

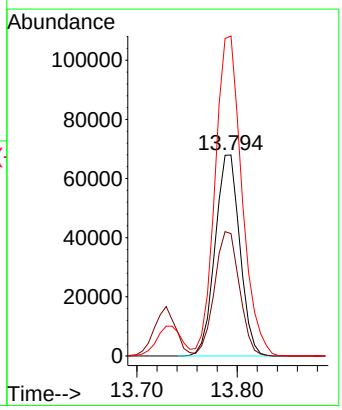


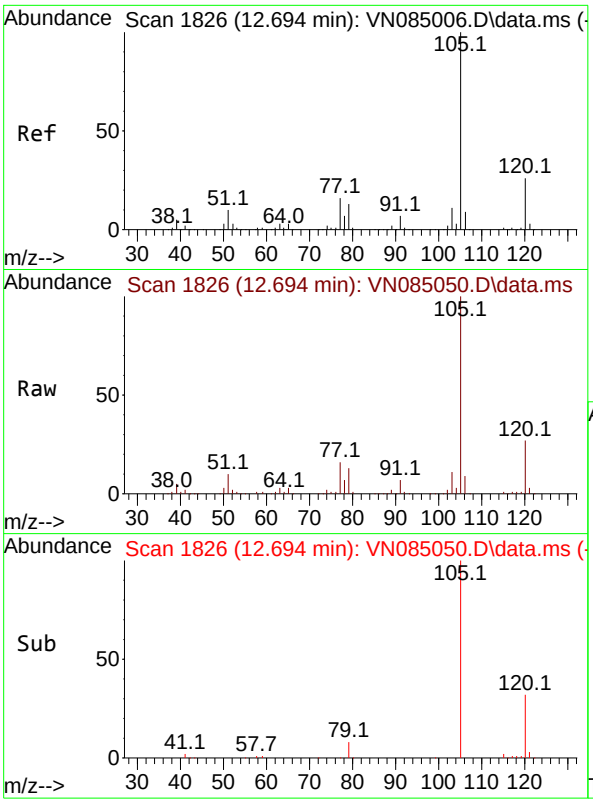


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:152 Resp: 116253

Ion	Ratio	Lower	Upper
152	100		
115	62.5	31.7	95.1
150	172.7	0.0	351.4



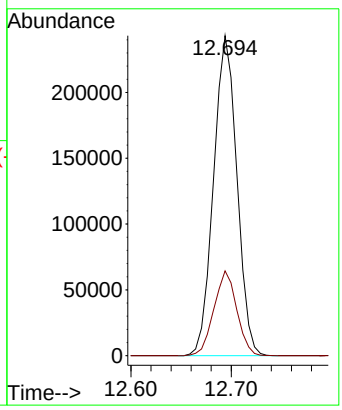


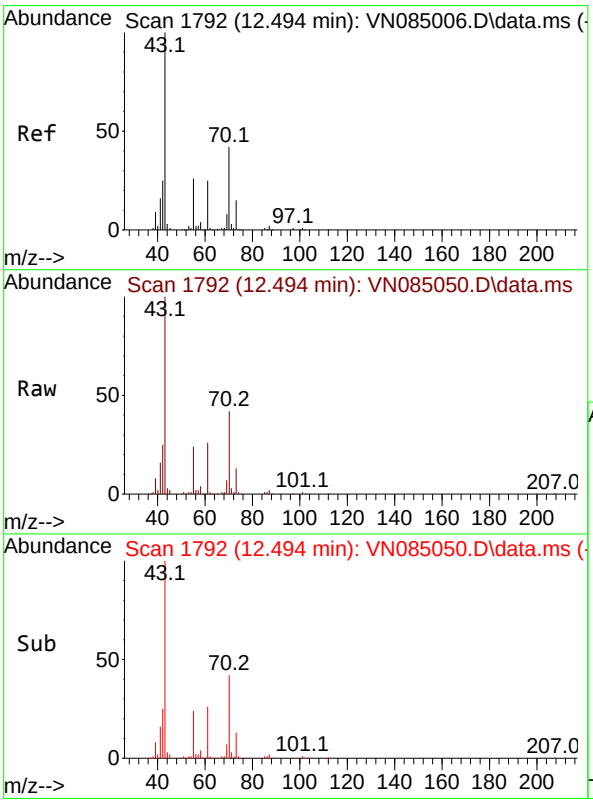
#73
Isopropylbenzene
Concen: 47.841 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 392356

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.0	39.0

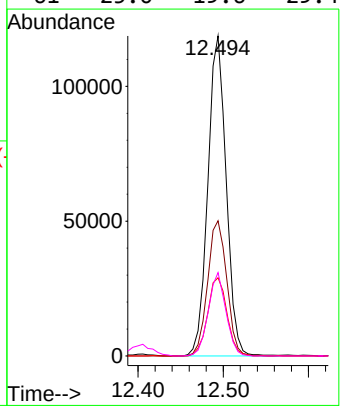


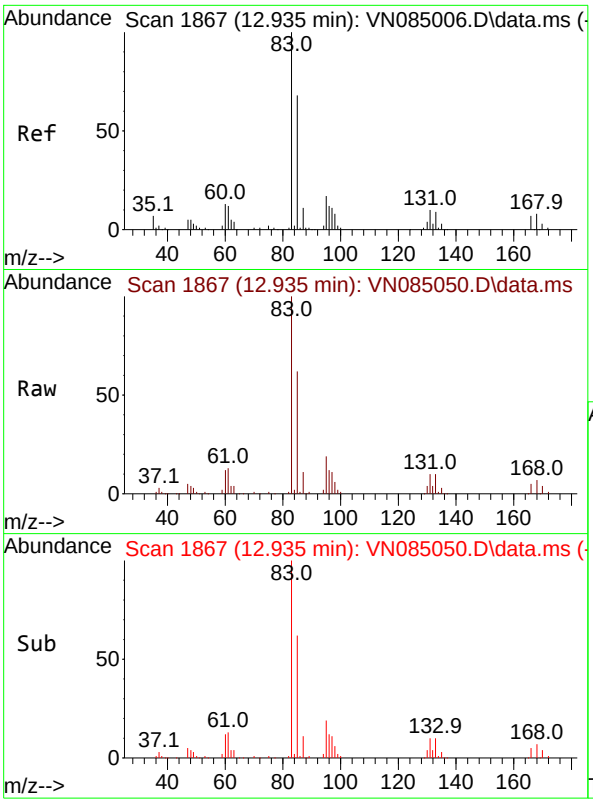


#74
N-amyl acetate
Concen: 52.610 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 43 Resp: 177798

Ion	Ratio	Lower	Upper
43	100		
70	44.1	34.6	51.8
55	25.8	20.5	30.7
61	25.0	19.6	29.4



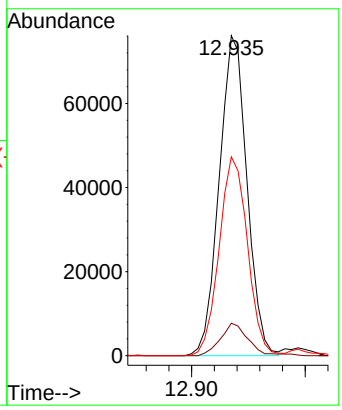


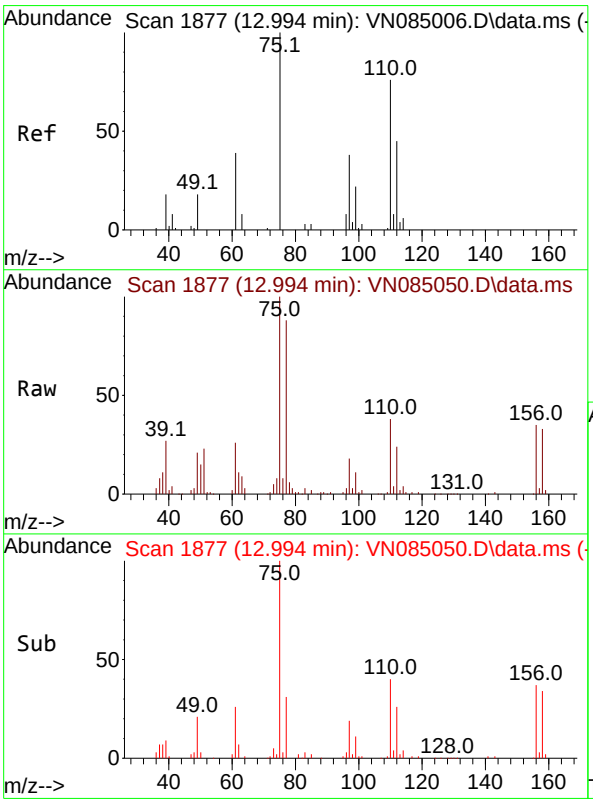
#75
1,1,2,2-Tetrachloroethane
Concen: 46.111 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 129135

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.1	15.4
85	63.5	32.1	96.3

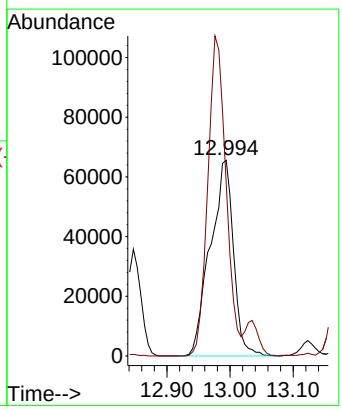


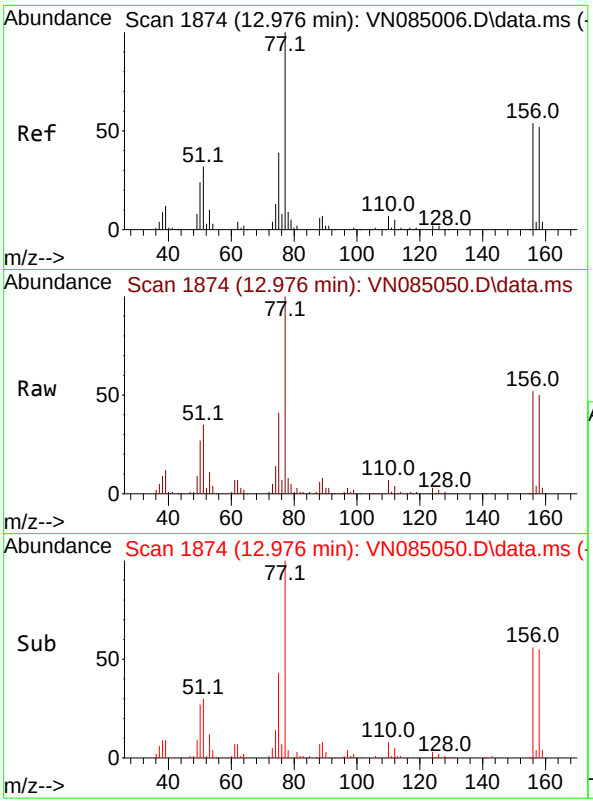


#76
1,2,3-Trichloropropane
Concen: 79.143 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 75 Resp: 167353

Ion	Ratio	Lower	Upper
75	100		
77	128.5	109.1	327.4



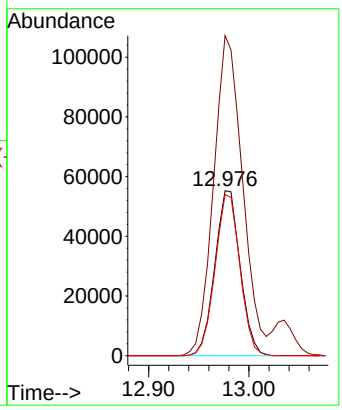


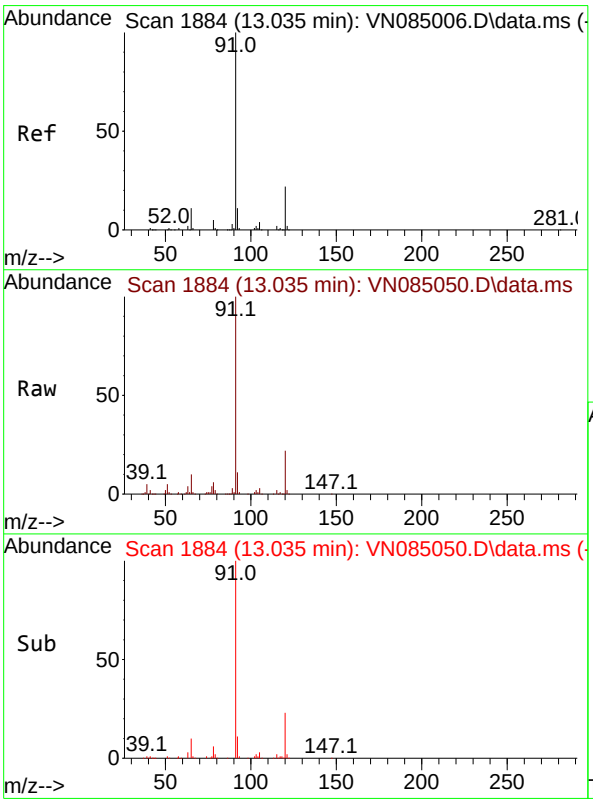
#77
Bromobenzene
Concen: 43.792 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 96650

Ion	Ratio	Lower	Upper
156	100		
77	222.4	107.2	321.6
158	95.9	48.5	145.6

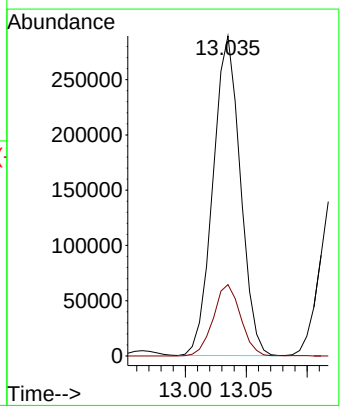


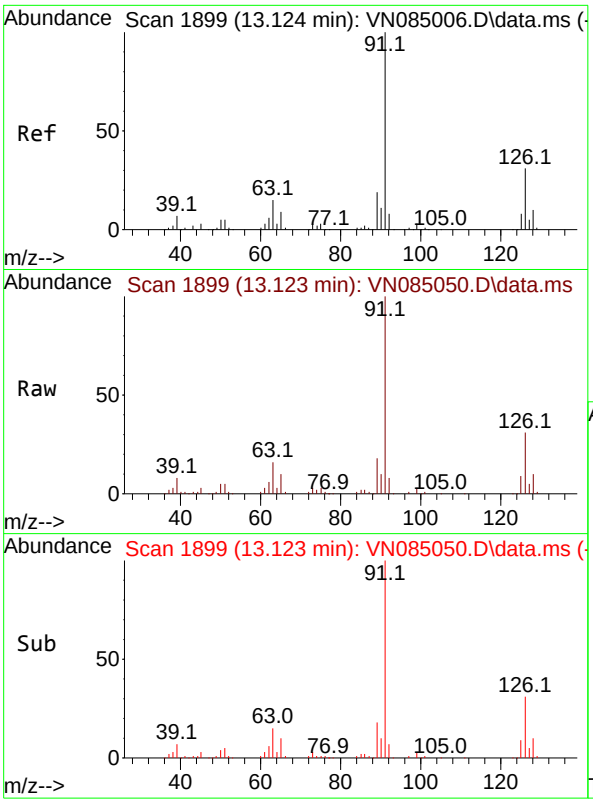


#78
n-propylbenzene
Concen: 47.866 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 91 Resp: 452784

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.3	33.9



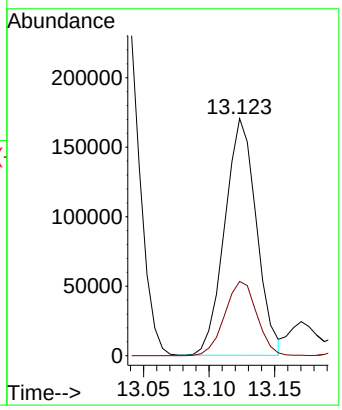


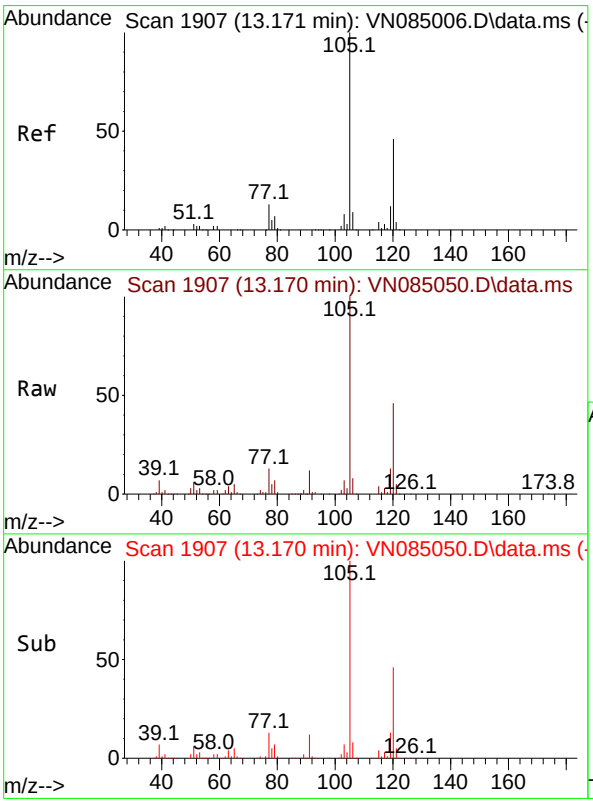
#79
2-Chlorotoluene
Concen: 45.474 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 287148

Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.1	48.3

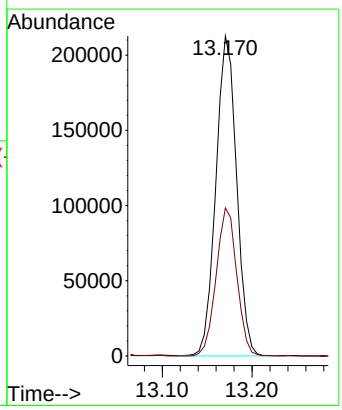


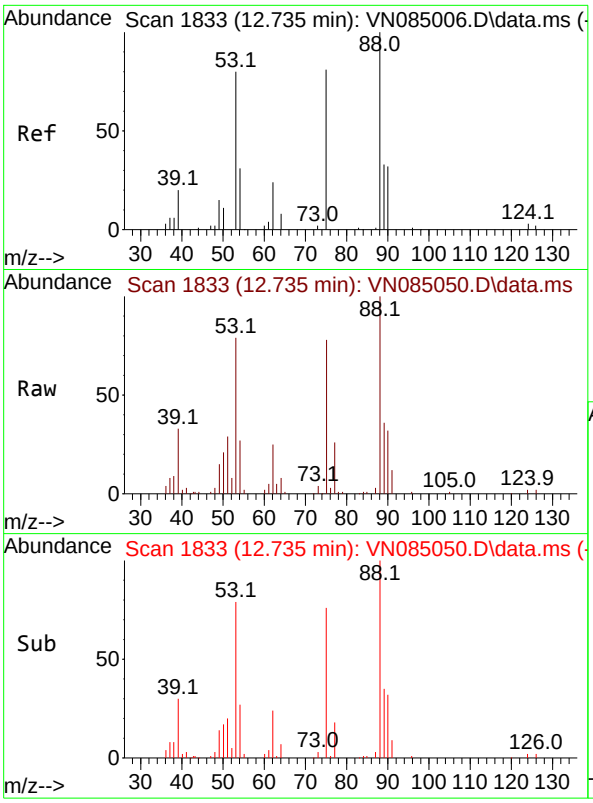


#80
1,3,5-Trimethylbenzene
Concen: 49.508 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:105 Resp: 340710

Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.6	71.0



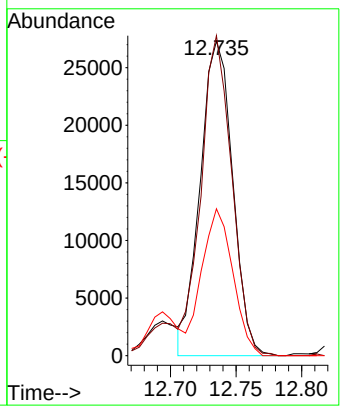


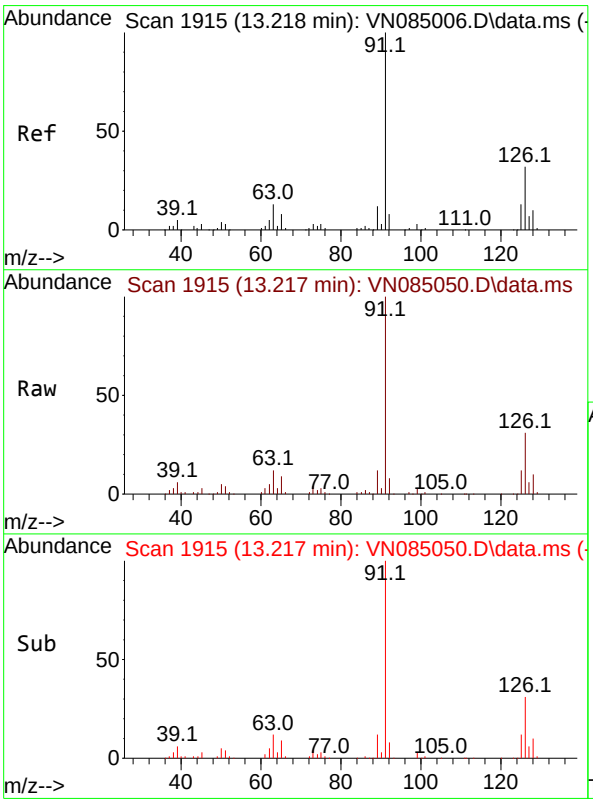
#81
trans-1,4-Dichloro-2-butene
Concen: 49.081 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 47013

Ion	Ratio	Lower	Upper
75	100		
53	106.4	78.2	117.4
89	44.5	37.9	56.9

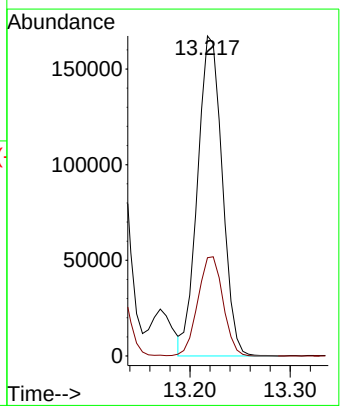


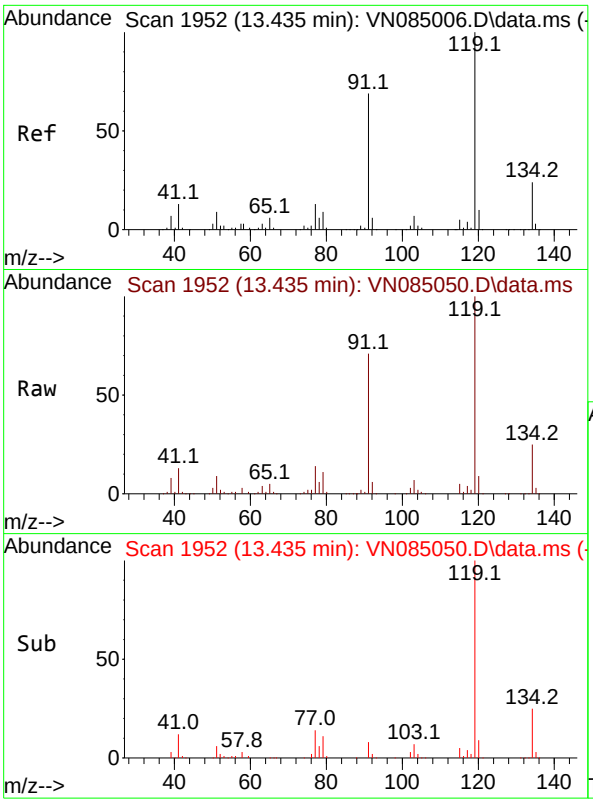


#82
4-Chlorotoluene
Concen: 43.625 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 91 Resp: 286775

Ion	Ratio	Lower	Upper
91	100		
126	31.6	16.1	48.3



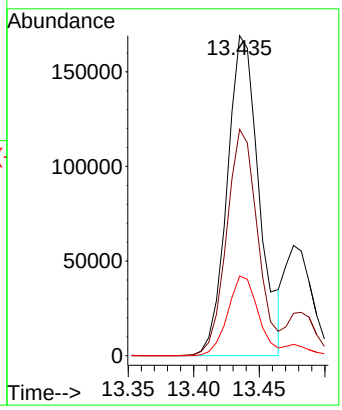


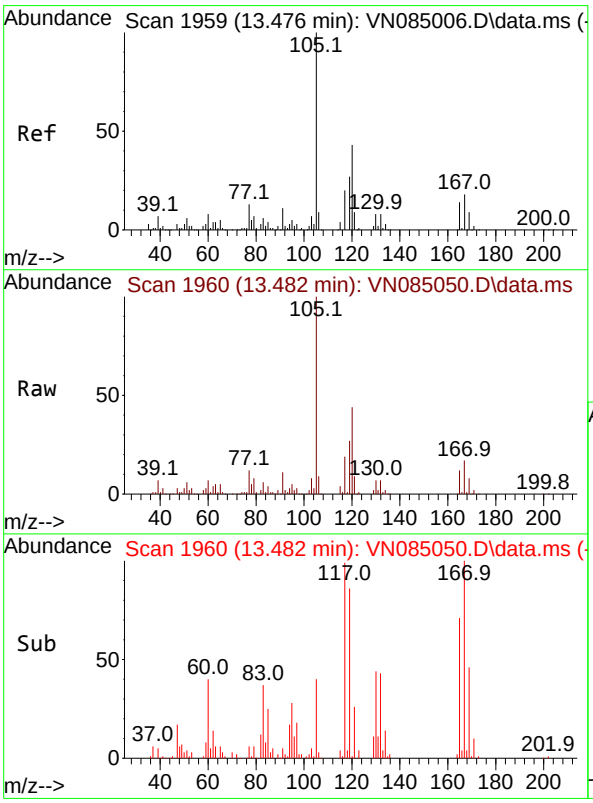
#83
tert-Butylbenzene
Concen: 48.549 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 287470

Ion	Ratio	Lower	Upper
119	100		
91	68.7	35.1	105.5
134	23.7	12.1	36.3

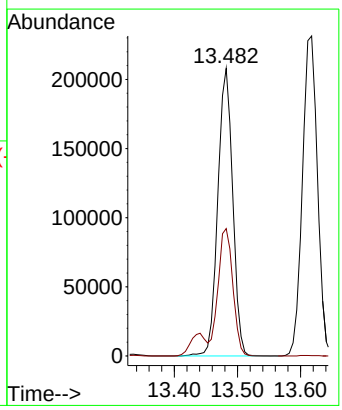


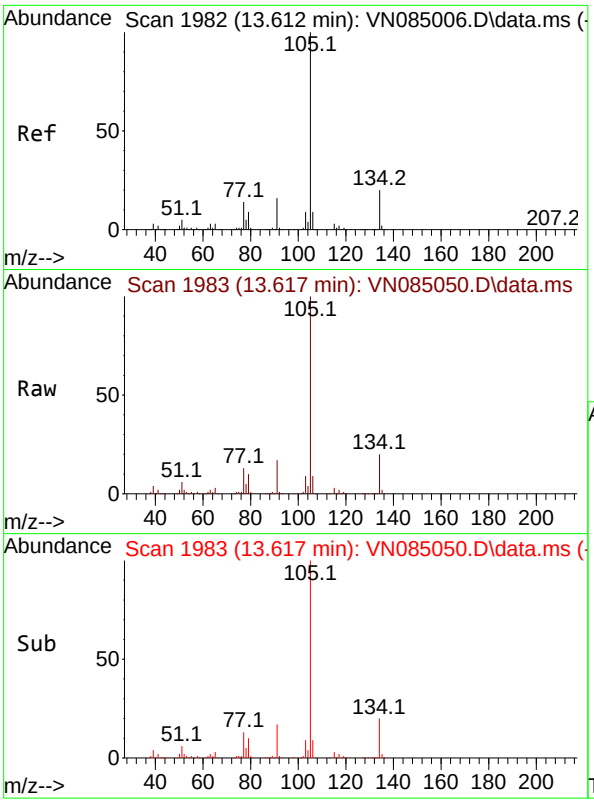


#84
1,2,4-Trimethylbenzene
Concen: 47.943 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:105 Resp: 339626

Ion	Ratio	Lower	Upper
105	100		
120	44.3	21.8	65.4



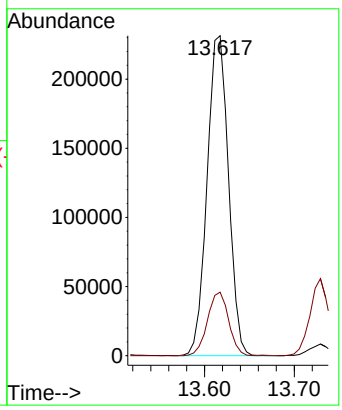


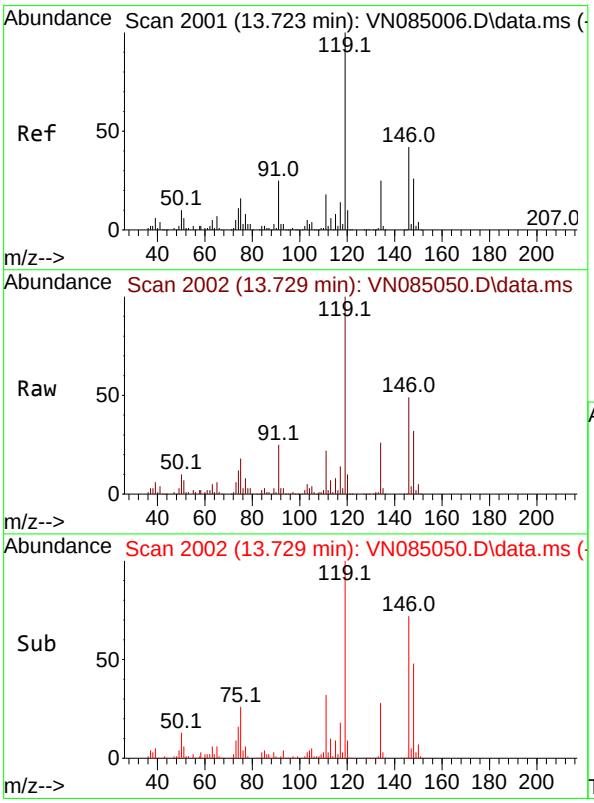
#85
sec-Butylbenzene
Concen: 47.862 ug/l
RT: 13.617 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 382841

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.3

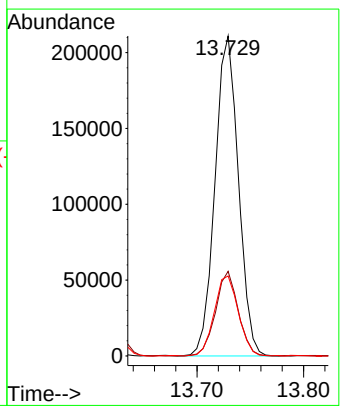


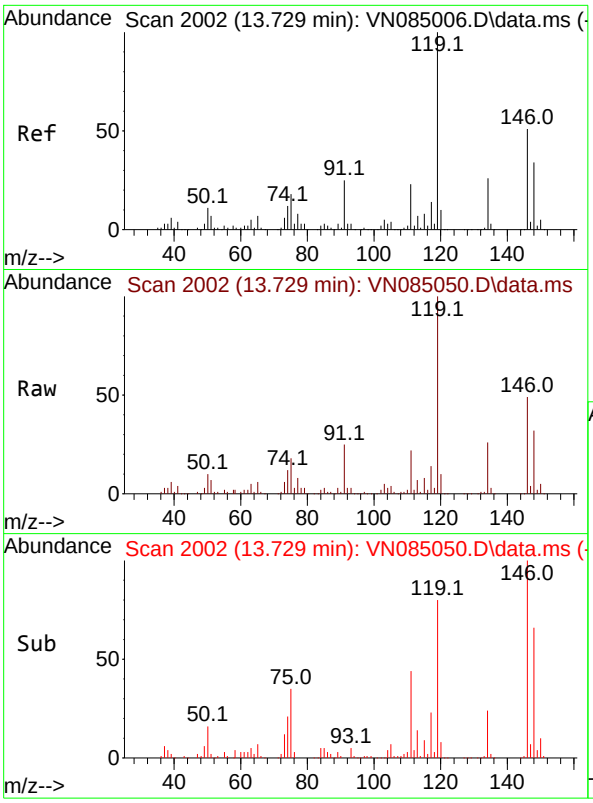


#86
p-Isopropyltoluene
Concen: 48.719 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:119 Resp: 321691

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	39.0
91	25.7	12.8	38.4



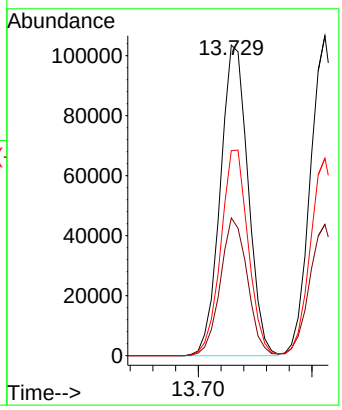


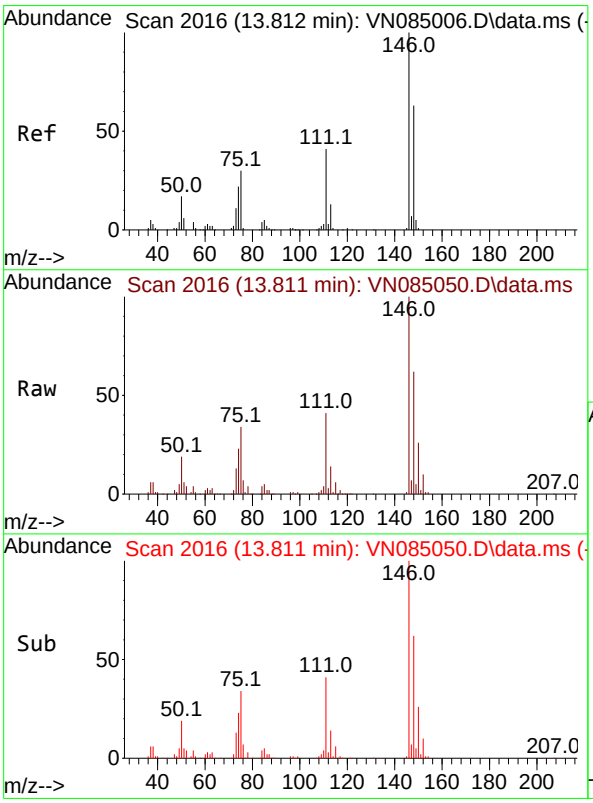
#87
1,3-Dichlorobenzene
Concen: 40.389 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 175822

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	65.0
148	65.5	32.2	96.6

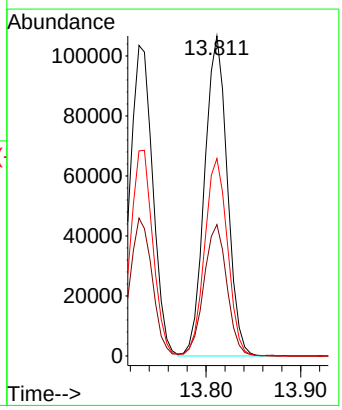


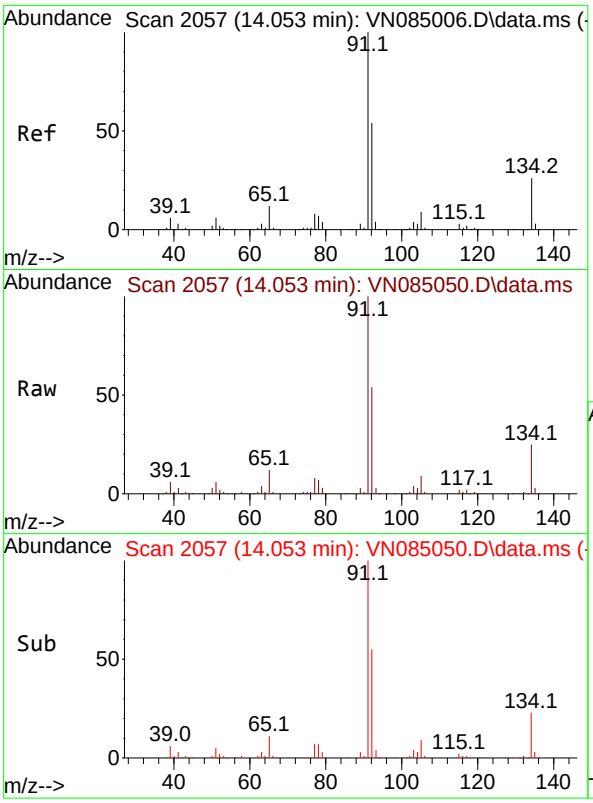


#88
1,4-Dichlorobenzene
Concen: 39.875 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:146 Resp: 177138

Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.9	62.8
148	62.2	31.3	93.9



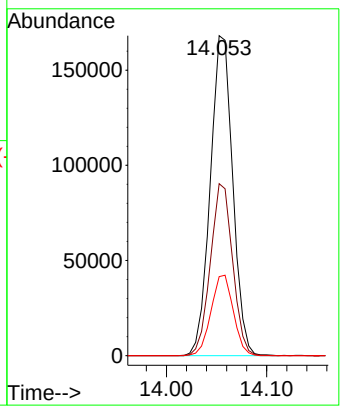


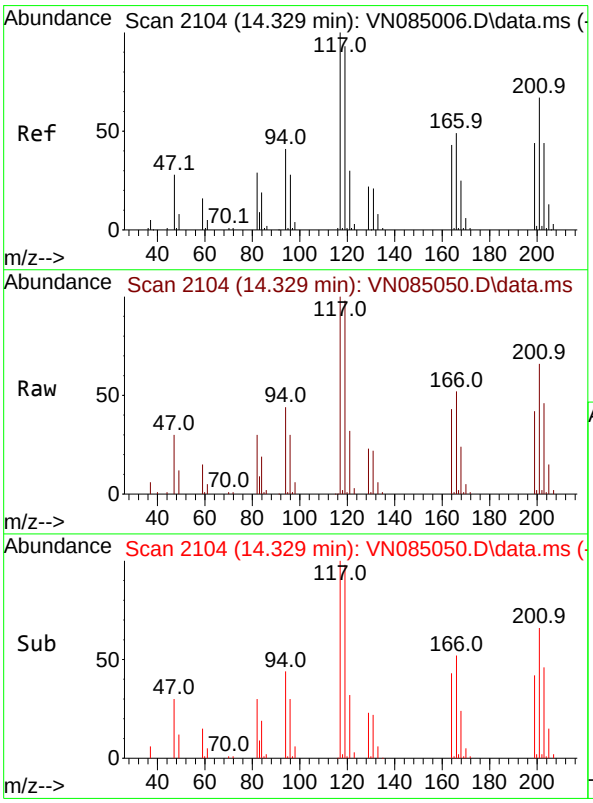
#89
n-Butylbenzene
Concen: 42.490 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 260916

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.8	80.3
134	25.0	12.8	38.4

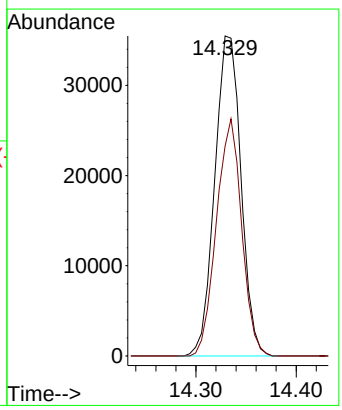


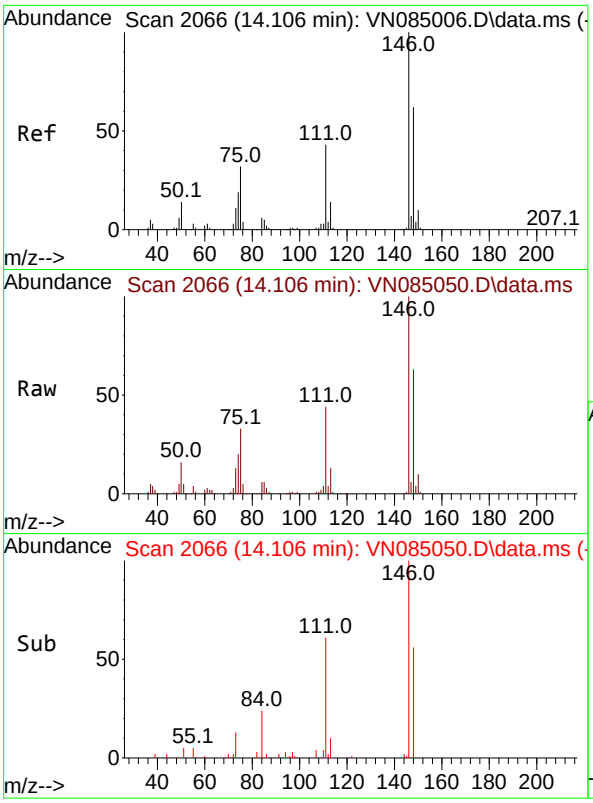


#90
Hexachloroethane
Concen: 44.778 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:117 Resp: 64448

Ion	Ratio	Lower	Upper
117	100		
201	71.3	35.2	105.6



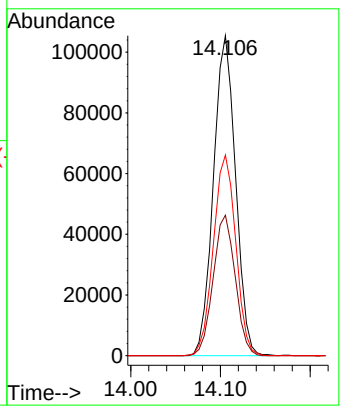


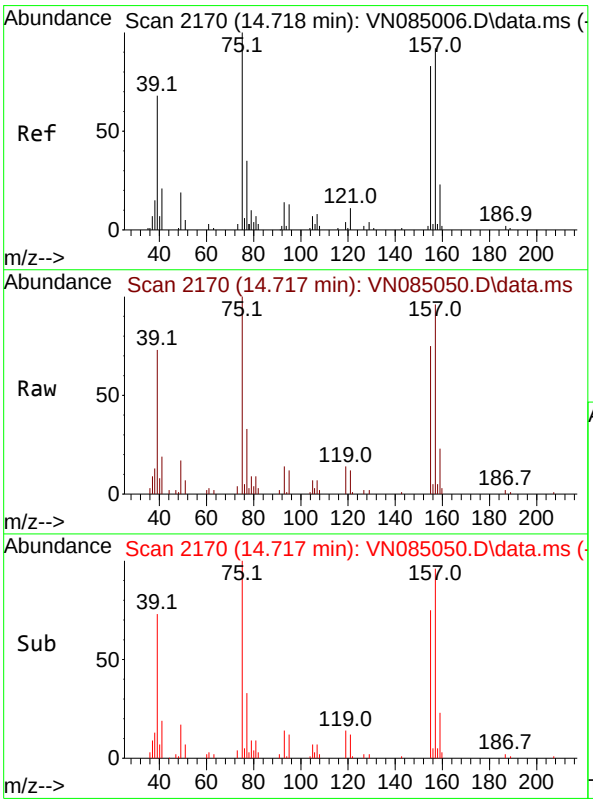
#91
1,2-Dichlorobenzene
Concen: 43.280 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 180536

Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.9	65.8
148	63.5	31.1	93.2

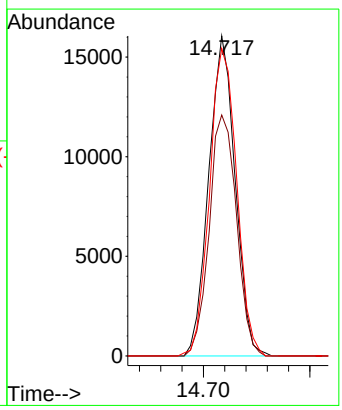


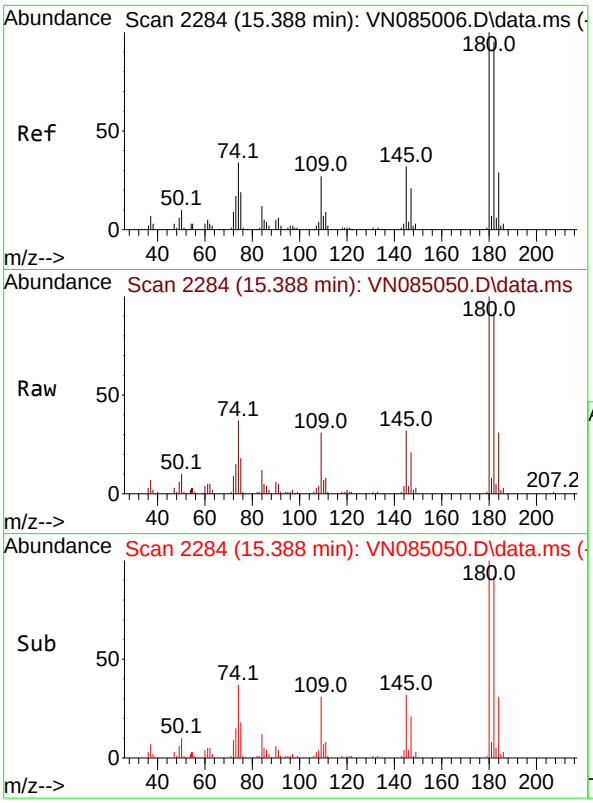


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.973 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion: 75 Resp: 27604

Ion	Ratio	Lower	Upper
75	100		
155	77.8	38.9	116.7
157	98.6	48.3	144.9



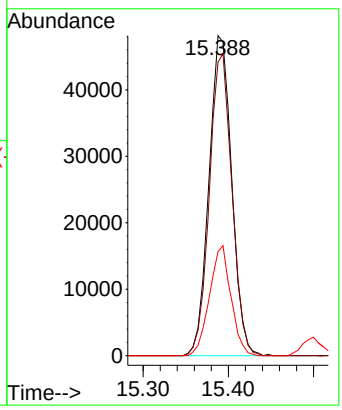


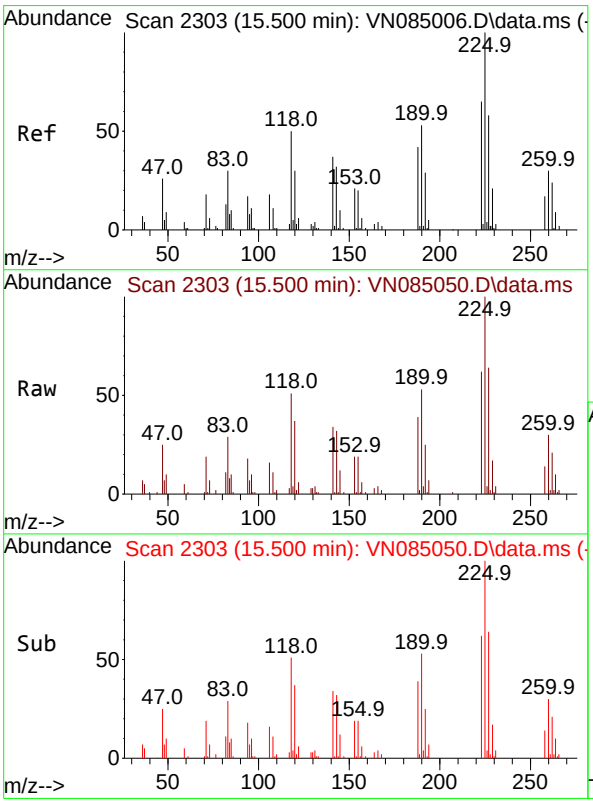
#93
1,2,4-Trichlorobenzene
Concen: 39.459 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 89421

Ion	Ratio	Lower	Upper
180	100		
182	93.6	46.9	140.8
145	32.4	16.3	48.8

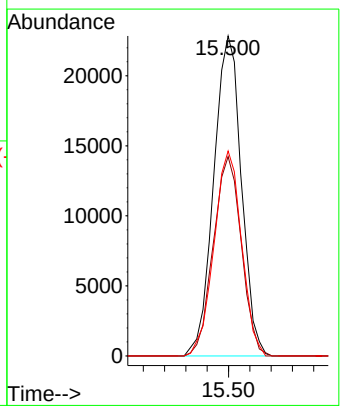


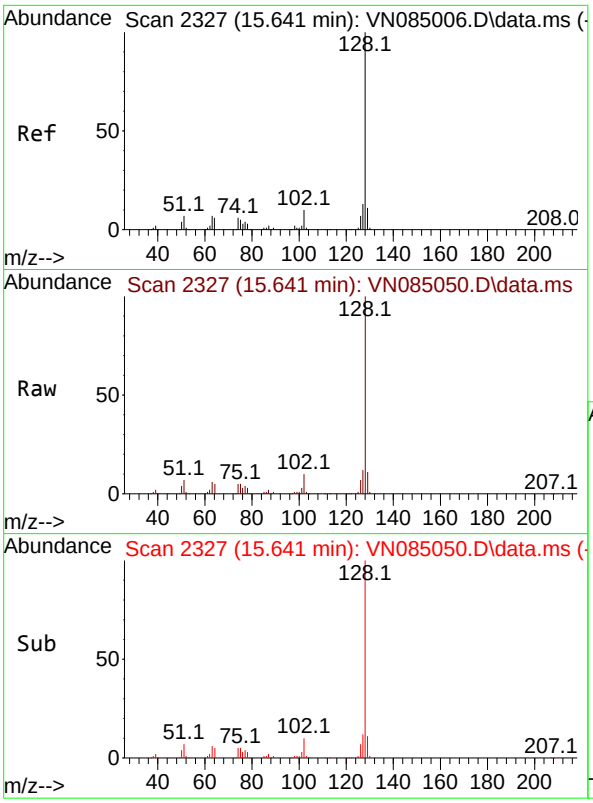


#94
Hexachlorobutadiene
Concen: 39.268 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:225 Resp: 41070

Ion	Ratio	Lower	Upper
225	100		
223	63.2	30.9	92.8
227	63.8	31.5	94.5



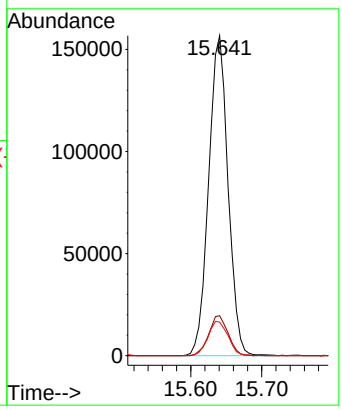


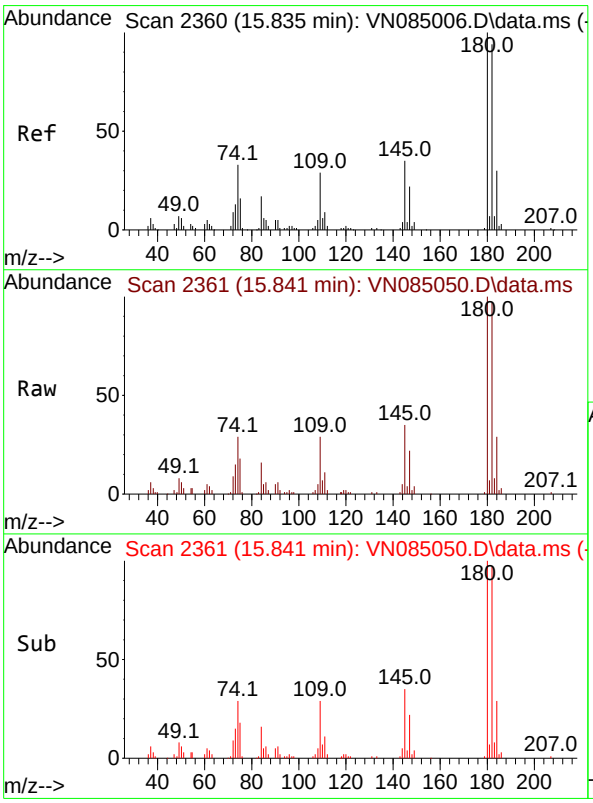
#95
Naphthalene
Concen: 46.043 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 297179

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.6	16.0
129	11.1	8.6	12.8





#96
1,2,3-Trichlorobenzene
Concen: 40.579 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085050.D
Acq: 26 Nov 2024 18:12

Tgt Ion:180 Resp: 87745

Ion	Ratio	Lower	Upper
180	100		
182	95.9	46.4	139.2
145	35.6	17.3	52.0