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

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : FT MEADE TIPTON AIRFIELD PARCEL RI - PO 0111169

WESTON SOLUTIONS

1400 Weston Way

PO Box 2653

West Chester, PA - 19380

Phone No: 610-701-7400

ORDER ID : P5117

ATTENTION : Nathan Fretz

Laboratory Certification ID # 20012

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Cover Page

Order ID : P5117

Project ID : Ft Meade Tipton Airfield Parcel RI - PO 0111169

Client : Weston Solutions

Lab Sample Number	Client Sample Number
P5117-01	TAPIAL3-SB04I-10-120324-00-T1
P5117-02	TAPIAL2-IDW-SOIL-120424-00-T2

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

Signature : APPROVED
By Sohil Jodhani, QA/QC Director at 10:44 am, Dec 23, 2024

Date: 12/12/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Weston Solutions
Project Name: Ft Meade Tipton Airfield Parcel RI - PO 0111169
Project # N/A
Chemtech Project # P5117
Test Name: TCLP VOA

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 12/05/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Anions Group1, Cyanide, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, PCB, pH, Sulfide, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TOC and TS. This data package contains results for TCLP VOA.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of TCLP VOA was based on method 8260D and TCLP extraction method was 1311.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

E. Additional Comments:
Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.
Trip Blank was not provided with this set of samples.
The not QT review data is reported in the Miscellaneous.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount

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for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

E. Calculation:

Water Calculation in ug/L

$$\frac{(A_x)(I_s)(Df)}{(Ais)(RRF)(V0)}$$

Where,
Ax = Area for the compound to be measured
Ais = Area for the specific internal standard
Is = Amount of internal standard added in nanograms (ng)
RRF = Relative response factor of the initial calibration curve standard.
Vo = Volume of water purged in milliliters (mL)
Df = Dilution factor.

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

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

Signature APPROVED
By Sohil Jodhani, QA/QC Director at 10:44 am, Dec 23, 2024

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

QA Control # A3040960

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: P5117 MATRIX: TCLP

METHOD: 8260D/1311

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The Initial Calibration met the requirements . The Continuous Calibration met the requirements .			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The Blank Spike met requirements for all samples . The Blank Spike Duplicate met requirements for all samples .			✓
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓
10.	Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

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

NA NO YES

ADDITIONAL COMMENTS:

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.

The not QT review data is reported in the Miscellaneous.

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

QA REVIEW

APPROVED
By Sohil Jodhani, QA/QC Director at 10:44 am, Dec 23, 2024

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P5117

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

QA Review Signature: SOHIL JODHANI **Date:** 12/12/2024

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LAB CHRONICLE

OrderID:	P5117	**OrderDate:**	12/5/2024 10:55:00 AM
Client:	Weston Solutions	**Project:**	Ft Meade Tipton Airfield Parcel RI - PO 0111169
Contact:	Nathan Fretz	**Location:**	L41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5117-02	**TAPIAL2-IDW-SOIL-1 20424-00-T2**	**TCLP**			**12/04/24**			**12/05/24**
			TCLP VOA	8260D			12/09/24	

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Hit Summary Sheet
SW-846

SDG No.: P5117

Client: Weston Solutions

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**TAPIAL2-IDW-SOIL-120424-00-T2**								
P5117-02	TAPIAL2-IDW-SO	TCLP	2-Butanone	5.10	J	1.30	2.50	25.0	ug/L
			Total Voc :	5.10					
			Total Concentration:	5.10					

QC SUMMARY

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Surrogate Summary

SDG No.: P5117

Client: Weston Solutions

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P5117-02	TAPIAL2-IDW-SOIL-120424-00-T2	1,2-Dichloroethane-d4	50	53.5	107	81	118
		Dibromofluoromethane	50	48.9	98	80	119
		Toluene-d8	50	50.4	101	89	112
		4-Bromofluorobenzene	50	44.8	90	85	114

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Surrogate Summary

SDG No.: P5117

Client: Weston Solutions

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VN1209WBL01	VN1209WBL01	1,2-Dichloroethane-d4	50	51.4	103	81	118
		Dibromofluoromethane	50	53.4	107	80	119
		Toluene-d8	50	48.6	97	89	112
		4-Bromofluorobenzene	50	42.8	86	85	114
VN1209WBS01	VN1209WBS01	1,2-Dichloroethane-d4	50	45.8	92	81	118
		Dibromofluoromethane	50	50.9	102	80	119
		Toluene-d8	50	48.6	97	89	112
		4-Bromofluorobenzene	50	47.3	95	85	114
VN1209WBSD0	VN1209WBSD01	1,2-Dichloroethane-d4	50	51.0	102	81	118
		Dibromofluoromethane	50	53.9	108	80	119
		Toluene-d8	50	51.0	102	89	112
		4-Bromofluorobenzene	50	52.9	106	85	114

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5117

Client: Weston Solutions

Analytical Method: SW8260-Low **Datafile :** VN085144.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1209WBS01	Vinyl chloride	20	15.7	ug/L	79			58	137	
	1,1-Dichloroethene	20	16.8	ug/L	84			71	131	
	2-Butanone	100	98.2	ug/L	98			56	143	
	Carbon Tetrachloride	20	19.8	ug/L	99			72	136	
	Chloroform	20	17.6	ug/L	88			79	124	
	Benzene	20	18.6	ug/L	93			79	120	
	1,2-Dichloroethane	20	18.8	ug/L	94			73	128	
	Trichloroethene	20	19.0	ug/L	95			79	123	
	Tetrachloroethene	20	20.8	ug/L	104			74	129	
	Chlorobenzene	20	18.3	ug/L	92			82	118	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5117

Client: Weston Solutions

Analytical Method: SW8260-Low **Datafile :** VN085145.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1209WBSD01	Vinyl chloride	20	16.7	ug/L	84	6		58	137	20
	1,1-Dichloroethene	20	18.2	ug/L	91	8		71	131	20
	2-Butanone	100	120	ug/L	120	20		56	143	20
	Carbon Tetrachloride	20	21.0	ug/L	105	6		72	136	20
	Chloroform	20	19.5	ug/L	98	11		79	124	20
	Benzene	20	20.0	ug/L	100	7		79	120	20
	1,2-Dichloroethane	20	20.6	ug/L	103	9		73	128	20
	Trichloroethene	20	21.0	ug/L	105	10		79	123	20
	Tetrachloroethene	20	20.7	ug/L	104	0		74	129	20
	Chlorobenzene	20	19.7	ug/L	99	7		82	118	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1209WBL01

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: P5117 SAS No.: P5117 SDG NO.: P5117

Lab File ID: VN085143.D Lab Sample ID: VN1209WBL01

Date Analyzed: 12/09/2024 Time Analyzed: 11:11

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

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1209WBS01	VN1209WBS01	VN085144.D	12/09/2024
VN1209WBSD01	VN1209WBSD01	VN085145.D	12/09/2024
TAPIAL2-IDW-SOIL-120424-00-T2	P5117-02	VN085151.D	12/09/2024

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: P5117 SAS No.: P5117 SDG NO.: P5117

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

Instrument ID: MSVOA_N BFB Injection Time: 09:29

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

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC100	VSTDICC100	VN085005.D	11/22/2024	11:22
VSTDICCC050	VSTDICCC050	VN085006.D	11/22/2024	11:46
VSTDICC020	VSTDICC020	VN085007.D	11/22/2024	12:10
VSTDICC010	VSTDICC010	VN085008.D	11/22/2024	12:34
VSTDICC005	VSTDICC005	VN085009.D	11/22/2024	12:57
VSTDICC001	VSTDICC001	VN085010.D	11/22/2024	13:45

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: P5117 SAS No.: P5117 SDG NO.: P5117

Lab File ID: VN085141.D BFB Injection Date: 12/09/2024

Instrument ID: MSVOA_N BFB Injection Time: 09:58

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.5
75	30.0 - 60.0% of mass 95	50.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	1.4 (1.9) 1
174	50.0 - 100.0% of mass 95	75.6
175	5.0 - 9.0% of mass 174	5.3 (7) 1
176	95.0 - 101.0% of mass 174	73.7 (97.6) 1
177	5.0 - 9.0% of mass 176	4.8 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN085142.D	12/09/2024	10:32
VN1209WBL01	VN1209WBL01	VN085143.D	12/09/2024	11:11
VN1209WBS01	VN1209WBS01	VN085144.D	12/09/2024	11:35
VN1209WBSD01	VN1209WBSD01	VN085145.D	12/09/2024	12:09
TAPIAL2-IDW-SOIL-120424-00-T2	P5117-02	VN085151.D	12/09/2024	14:35
VSTDCCC050EC	VSTDCCC050	VN085153.D	12/09/2024	16:14

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: P5117 SAS No.: P5117 SDG NO.: P5117

Lab File ID: VN085142.D Date Analyzed: 12/09/2024

Instrument ID: MSVOA_N Time Analyzed: 10:32

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	169304	8.22	265126	9.10	235660	11.87
UPPER LIMIT	338608	8.724	530252	9.6	471320	12.365
LOWER LIMIT	84652	7.724	132563	8.6	117830	11.365
EPA SAMPLE NO.						
TAPIAL2-IDW-SOIL-120424-00-T2	132563	8.22	246402	9.10	221770	11.87
VN1209WBL01	133604	8.22	227682	9.10	197276	11.87
VN1209WBS01	163291	8.22	259546	9.10	222034	11.87
VN1209WBSD01	142912	8.22	227734	9.10	203151	11.87

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: P5117 SAS No.: P5117 SDG NO.: P5117

Lab File ID: VN085142.D Date Analyzed: 12/09/2024

Instrument ID: MSVOA_N Time Analyzed: 10:32

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

	IS4 AREA #	RT #				
12 HOUR STD	120023	13.788				
UPPER LIMIT	240046	14.288				
LOWER LIMIT	60011.5	13.288				
EPA SAMPLE NO.						
TAPIAL2-IDW-SOIL-120424-00-T2	85732	13.79				
VN1209WBL01	78404	13.79				
VN1209WBS01	104600	13.79				
VN1209WBSD01	101401	13.79				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	12/04/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/05/24
Client Sample ID:	TAPIAL2-IDW-SOIL-120424-00-T2	SDG No.:	P5117
Lab Sample ID:	P5117-02	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085151.D	1		12/09/24 14:35	VN120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	5.00	ug/L
78-93-3	2-Butanone	5.10	J	1.30	2.50	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	5.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	5.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.75	U	0.24	0.75	5.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	5.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	5.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.4		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	50.4		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.8		85 - 114		90%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	133000	8.224				
540-36-3	1,4-Difluorobenzene	246000	9.1				
3114-55-4	Chlorobenzene-d5	222000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	85700	13.794				

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085151.D
Acq On : 09 Dec 2024 14:35
Operator : JC\MD
Sample : P5117-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2

Quant Time: Dec 10 05:02:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

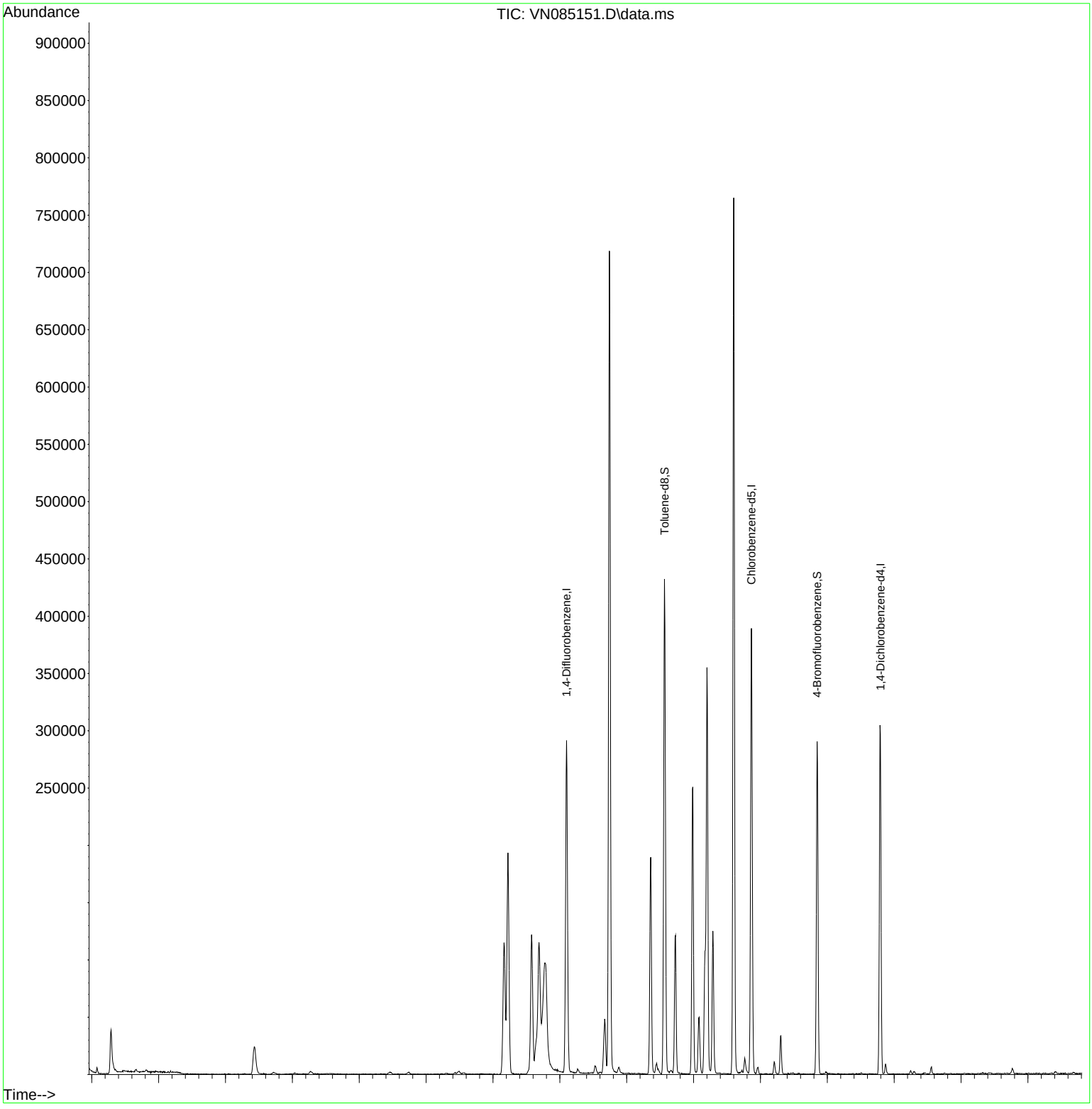
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	132563	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	246402	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	221770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	85732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	100925	53.449	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.900%			
35) Dibromofluoromethane	8.165	113	81241	48.892	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.780%			
50) Toluene-d8	10.565	98	299992	50.377	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.760%			
62) 4-Bromofluorobenzene	12.847	95	99828	44.827	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.660%			
Target Compounds						Qvalue
16) Acetone	4.430	43	46246	84.094	ug/l	96
25) 2-Butanone	7.495	43	4586	5.101	ug/l	100
43) Isopropyl Acetate	8.689	43	156958	36.930	ug/l #	78

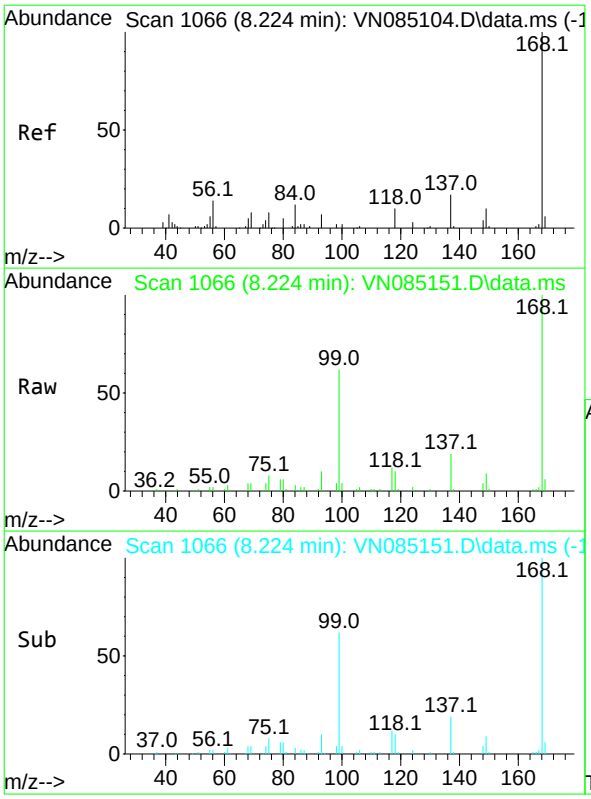
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085151.D
Acq On : 09 Dec 2024 14:35
Operator : JC\MD
Sample : P5117-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2

Quant Time: Dec 10 05:02:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



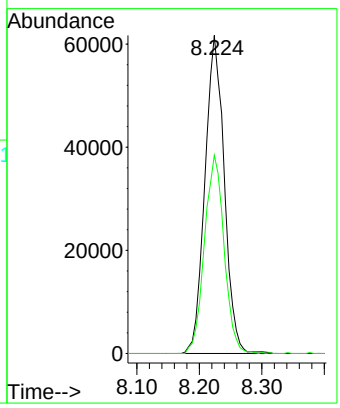


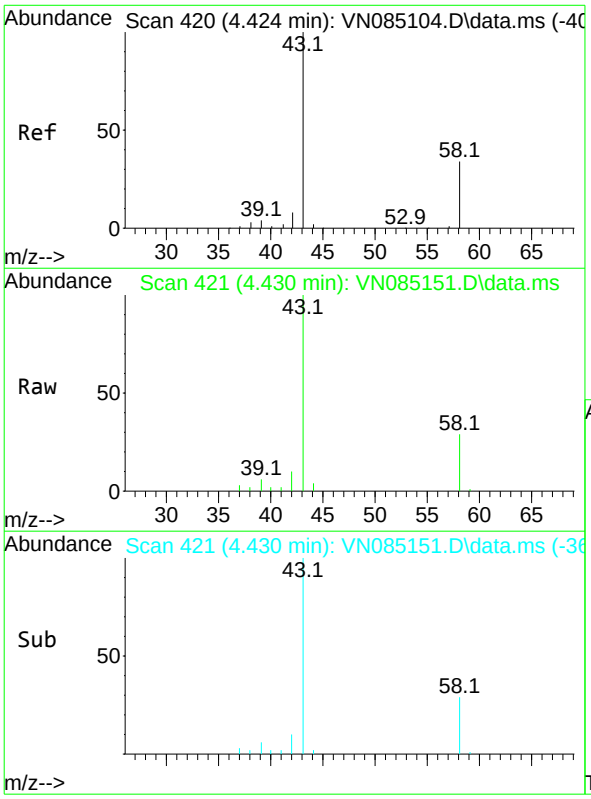
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085151.D
Acq: 09 Dec 2024 14:35

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2

Tgt Ion:168 Resp: 132563

Ion	Ratio	Lower	Upper
168	100		
99	62.3	51.2	76.8

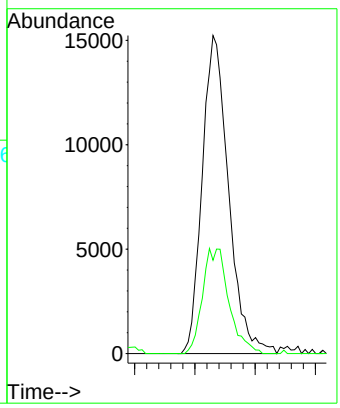


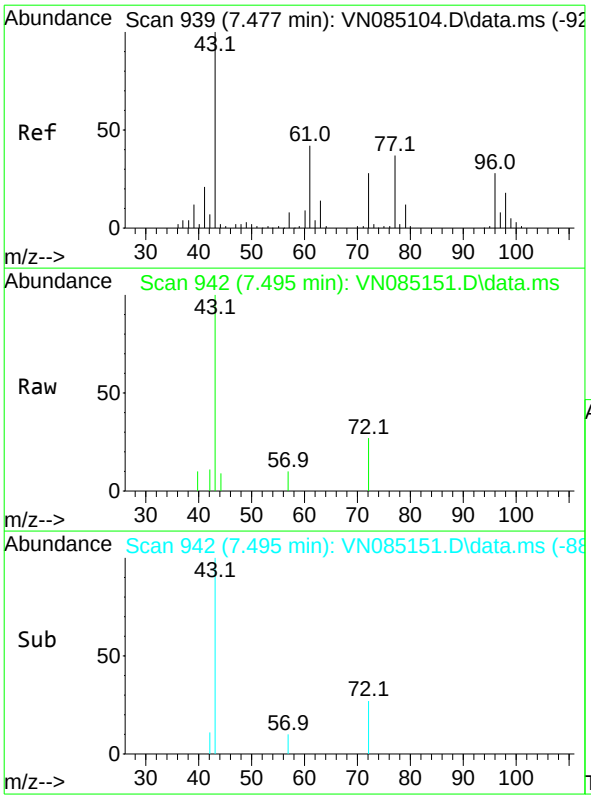


#16
Acetone
Concen: 84.094 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085151.D
Acq: 09 Dec 2024 14:35

Tgt Ion: 43 Resp: 46246

Ion	Ratio	Lower	Upper
43	100		
58	29.3	25.4	38.2



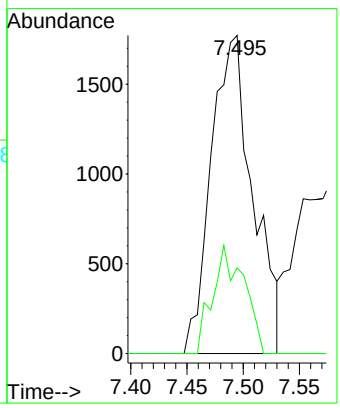


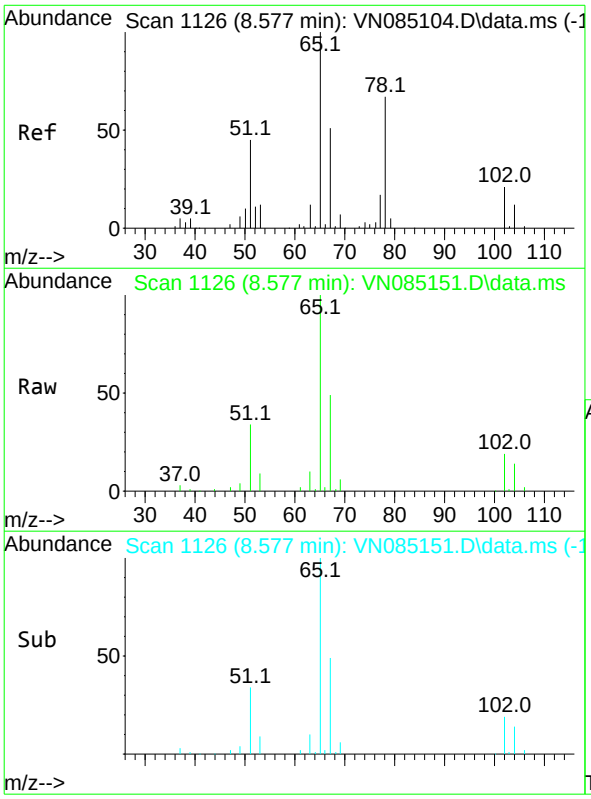
#25
2-Butanone
Concen: 5.101 ug/l
RT: 7.495 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN085151.D
Acq: 09 Dec 2024 14:35

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2

Tgt Ion: 43 Resp: 4586

Ion	Ratio	Lower	Upper
43	100		
72	26.9	21.4	32.0

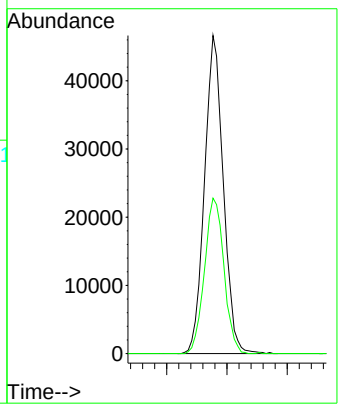


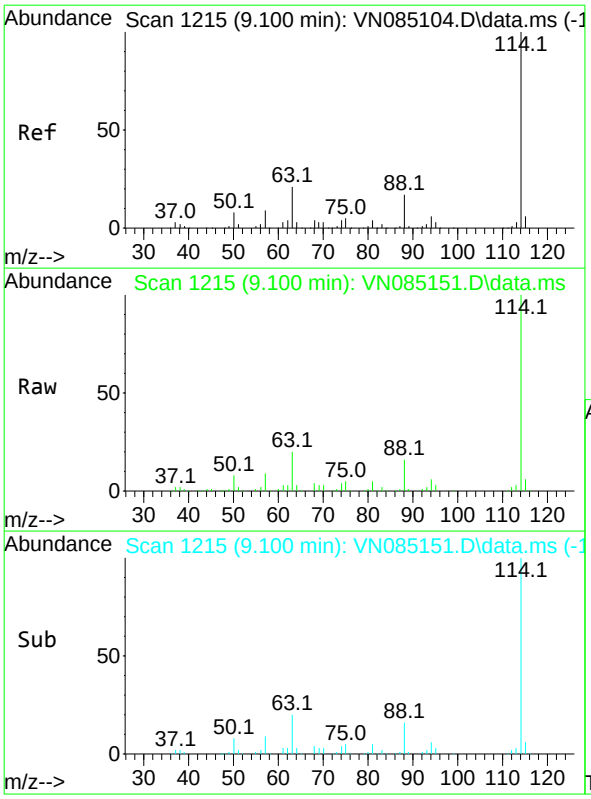


#33
1,2-Dichloroethane-d4
Concen: 53.449 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085151.D
Acq: 09 Dec 2024 14:35

Tgt Ion: 65 Resp: 100925

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	105.0



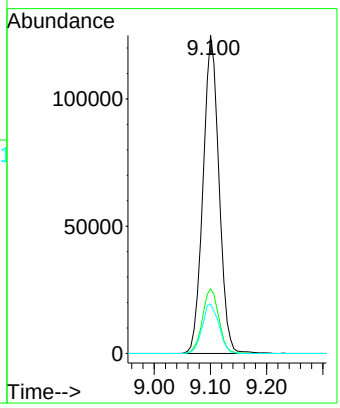


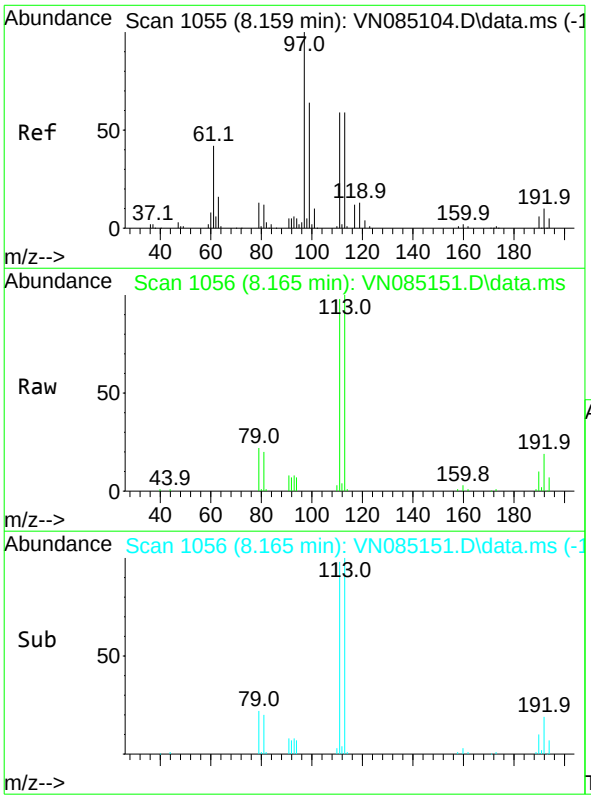
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN085151.D
Acq: 09 Dec 2024 14:35

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2

Tgt Ion:114 Resp: 246402

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	41.0
88	15.6	0.0	34.8

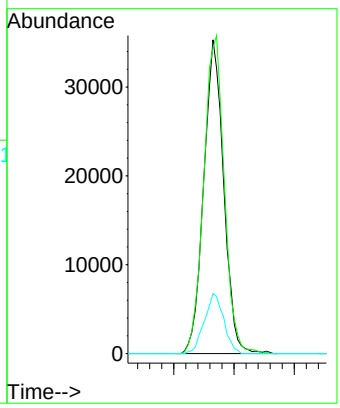


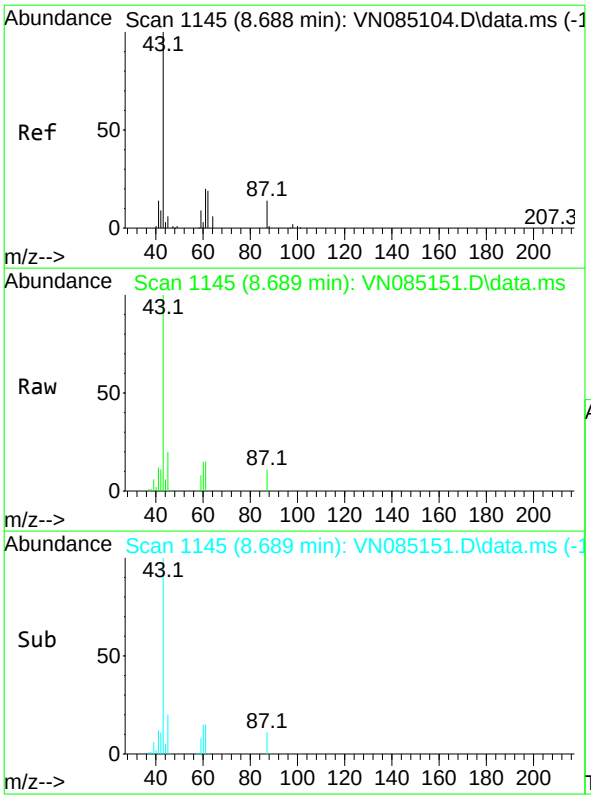


#35
Dibromofluoromethane
Concen: 48.892 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085151.D
Acq: 09 Dec 2024 14:35

Tgt Ion:113 Resp: 81241

Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.0	123.0
192	18.6	14.8	22.2



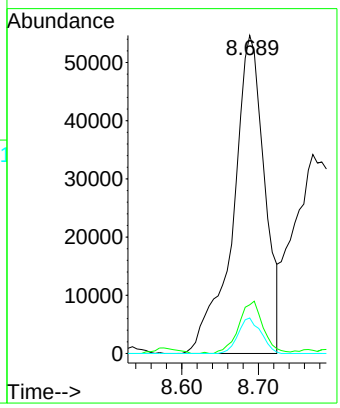


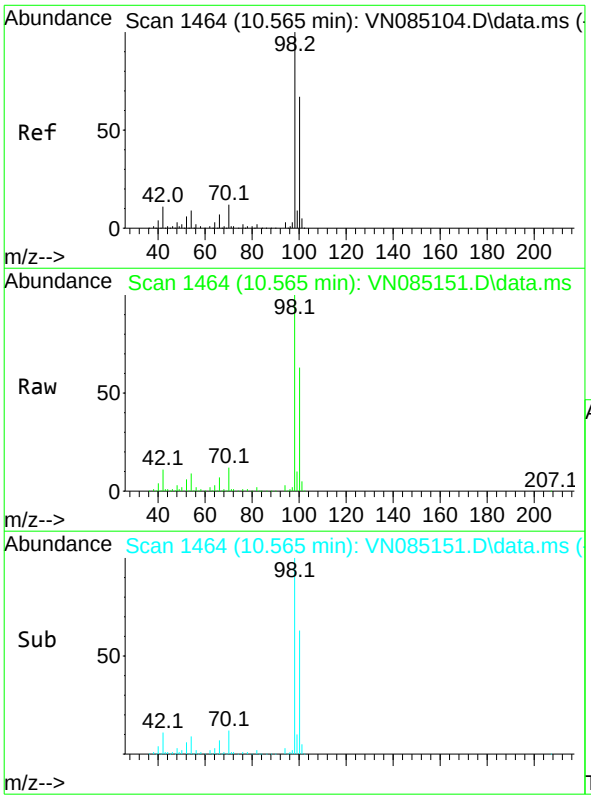
#43
Isopropyl Acetate
Concen: 36.930 ug/l
RT: 8.689 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085151.D
Acq: 09 Dec 2024 14:35

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2

Tgt Ion: 43 Resp: 156958

Ion	Ratio	Lower	Upper
43	100		
61	12.7	20.6	30.8#
87	8.0	11.0	16.4#

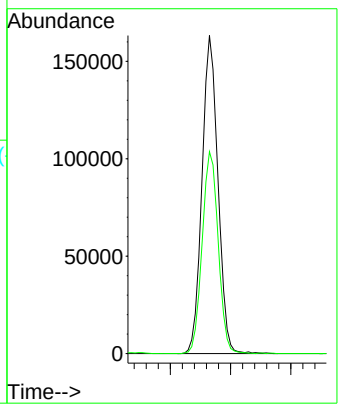


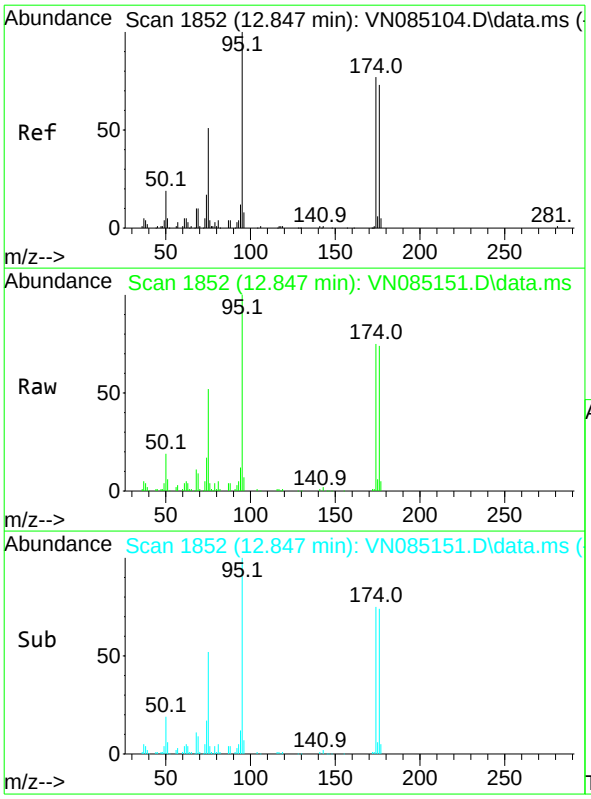


#50
Toluene-d8
Concen: 50.377 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085151.D
Acq: 09 Dec 2024 14:35

Tgt Ion: 98 Resp: 299992

Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.5	78.7



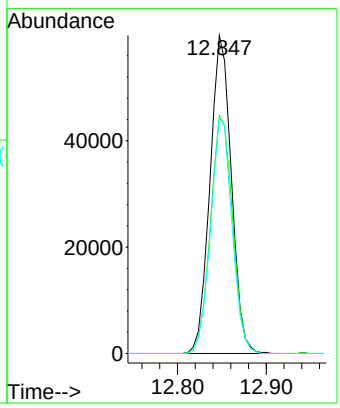


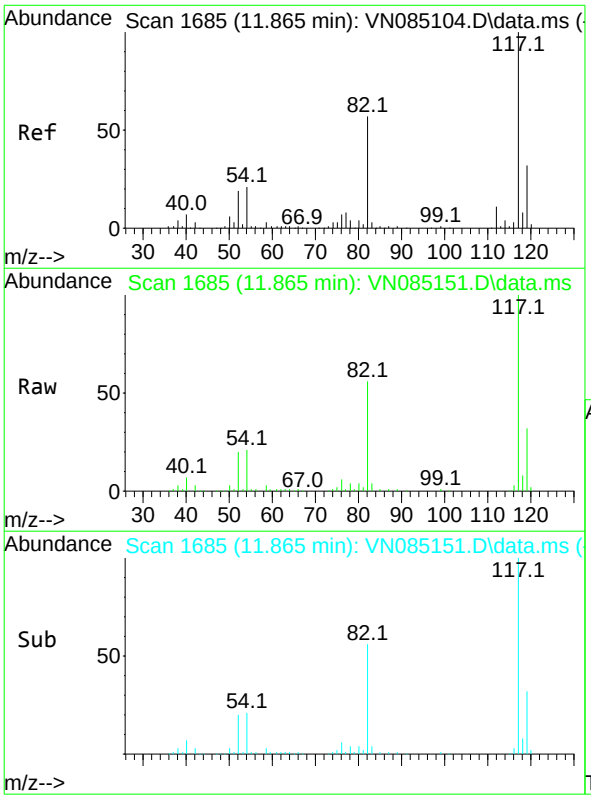
#62
4-Bromofluorobenzene
Concen: 44.827 ug/l
RT: 12.847 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085151.D
Acq: 09 Dec 2024 14:35

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2

Tgt Ion: 95 Resp: 99828

Ion	Ratio	Lower	Upper
95	100		
174	77.7	0.0	146.6
176	74.2	0.0	141.8

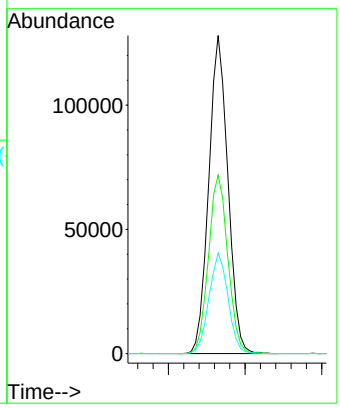


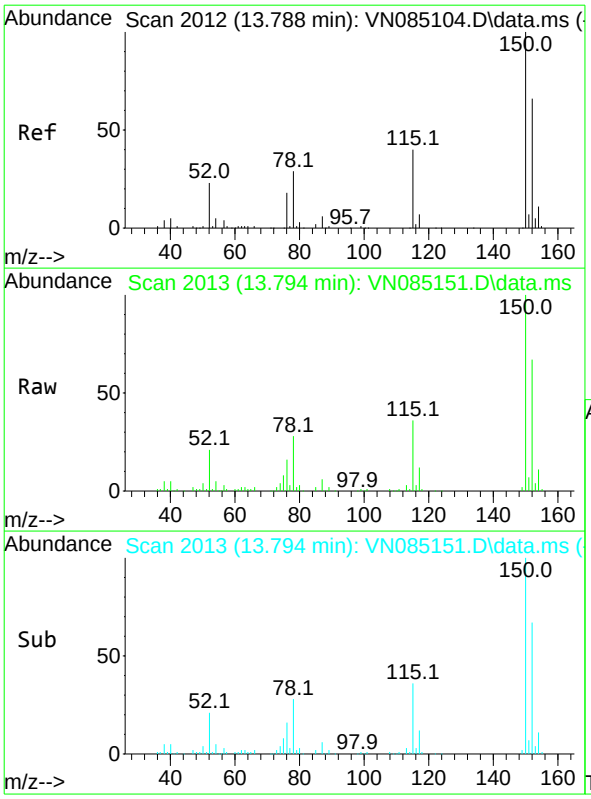


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085151.D
Acq: 09 Dec 2024 14:35

Tgt Ion:117 Resp: 221770

Ion	Ratio	Lower	Upper
117	100		
82	56.1	46.0	69.0
119	31.6	25.6	38.4



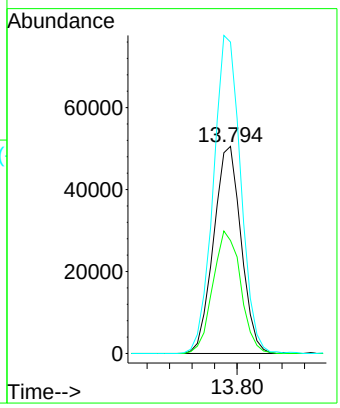


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085151.D
Acq: 09 Dec 2024 14:35

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2

Tgt Ion:152 Resp: 85732

Ion	Ratio	Lower	Upper
152	100		
115	59.7	31.7	95.1
150	153.1	0.0	351.4



CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: P5117 SAS No.: P5117 SDG No.: P5117

Instrument ID: MSVOA_N Calibration Date(s): 11/22/2024 11/22/2024

Heated Purge: (Y/N) N Calibration Time(s): 11:22 13:45

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF100 = VN085005.D RRF050 = VN085006.D RRF020 = VN085007.D
RRF010 = VN085008.D RRF005 = VN085009.D RRF001 = VN085010.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Vinyl Chloride	0.597	0.575	0.579	0.569	0.608	0.608	0.589	2.9
1,1-Dichloroethene	0.547	0.524	0.534	0.506	0.543	0.531	0.531	2.8
2-Butanone	0.341	0.331	0.340	0.317	0.328	0.377	0.339	6
Carbon Tetrachloride	0.572	0.534	0.543	0.484	0.529	0.500	0.527	5.9
Chloroform	1.118	1.099	1.104	1.073	1.140	1.344	1.146	8.6
Benzene	1.528	1.424	1.443	1.358	1.452	1.462	1.445	3.8
1,2-Dichloroethane	0.514	0.481	0.497	0.452	0.529	0.492	0.494	5.4
Trichloroethene	0.352	0.327	0.338	0.320	0.347	0.330	0.336	3.6
Tetrachloroethene	0.350	0.328	0.340	0.322	0.374	0.307	0.337	7
Chlorobenzene	1.128	1.090	1.123	1.089	1.133	1.241	1.134	4.9
1,2-Dichloroethane-d4	0.738	0.705	0.658	0.735	0.725		0.712	4.6
Dibromofluoromethane	0.361	0.340	0.311	0.330	0.343		0.337	5.4
Toluene-d8	1.326	1.249	1.152	1.162	1.154		1.208	6.4
4-Bromofluorobenzene	0.476	0.467	0.425	0.438	0.454		0.452	4.6

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N112224W.M
Title : SW846 8260
Last Update : Sat Nov 23 02:54:10 2024
Response Via : Initial Calibration

Calibration Files
1 =VN085010.D 5 =VN085009.D 10 =VN085008.D 20 =VN085007.D 50 =VN085006.D 100 =VN085005.D

		Compound	1	5	10	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.558	0.590	0.538	0.567	0.560	0.579	0.565	3.24
3)	P	Chloromethane	0.906	0.664	0.603	0.599	0.591	0.572	0.656	19.31
4)	C	Vinyl Chloride	0.608	0.608	0.569	0.579	0.575	0.597	0.589	2.87#
5)	T	Bromomethane		0.366	0.331	0.327	0.311	0.316	0.330	6.54
6)	T	Chloroethane	0.458	0.407	0.390	0.380	0.379	0.370	0.397	8.12
7)	T	Trichlorofluor...	1.036	1.041	0.947	1.005	0.965	1.021	1.002	3.85
8)	T	Diethyl Ether	0.316	0.345	0.322	0.349	0.349	0.367	0.341	5.63
9)	T	1,1,2-Trichlor...	0.573	0.576	0.551	0.569	0.551	0.590	0.569	2.65
10)	T	Methyl Iodide		0.764	0.704	0.778	0.747	0.769	0.753	3.91
11)	T	Tert butyl alc...		0.117	0.096	0.091	0.090	0.081	0.095	14.07
12)	CM	1,1-Dichloroet...	0.531	0.543	0.506	0.534	0.524	0.547	0.531	2.78#
13)	T	Acrolein		0.057	0.066	0.061	0.070	0.064	0.064	7.50
14)	T	Allyl chloride	0.936	0.874	0.868	0.876	0.886	0.929	0.895	3.32
15)	T	Acrylonitrile	0.303	0.274	0.251	0.264	0.263	0.262	0.269	6.71
16)	T	Acetone	0.209	0.195	0.203	0.206	0.203	0.229	0.207	5.48
17)	T	Carbon Disulfide	1.829	1.589	1.462	1.535	1.472	1.511	1.566	8.73
18)	T	Methyl Acetate	1.244	0.855	0.714	0.696	0.656	0.657	0.804	28.37
19)	T	Methyl tert-bu...	1.674	1.675	1.663	1.764	1.768	1.860	1.734	4.48
20)	T	Methylene Chlo...	0.748	0.630	0.610	0.619	0.588	0.603	0.633	9.21
21)	T	trans-1,2-Dich...	0.571	0.568	0.519	0.565	0.558	0.570	0.558	3.54
22)	T	Diisopropyl ether	1.825	1.816	1.749	1.815	1.781	1.817	1.801	1.64
23)	T	Vinyl Acetate	1.161	1.180	1.192	1.279	1.296	1.346	1.242	6.04
24)	P	1,1-Dichloroet...	1.116	1.092	1.033	1.084	1.049	1.091	1.078	2.85
25)	T	2-Butanone	0.377	0.328	0.317	0.340	0.331	0.341	0.339	6.03
26)	T	2,2-Dichloropr...	1.083	1.000	0.945	0.982	0.993	1.034	1.006	4.72
27)	T	cis-1,2-Dichlo...	0.729	0.681	0.634	0.672	0.657	0.667	0.673	4.68
28)	T	Bromochloromet...	0.438	0.399	0.390	0.409	0.395	0.409	0.407	4.24
29)	T	Tetrahydrofuran	0.213	0.212	0.199	0.212	0.214	0.214	0.211	2.69
30)	C	Chloroform	1.344	1.140	1.073	1.104	1.099	1.118	1.146	8.65#
31)	T	Cyclohexane		1.091	0.915	0.942	0.882	0.914	0.949	8.68
32)	T	1,1,1-Trichlor...	1.135	1.005	0.993	1.022	1.013	1.047	1.036	5.02
33)	S	1,2-Dichloroet...		0.725	0.735	0.658	0.705	0.738	0.712	4.60
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.343	0.330	0.311	0.340	0.361	0.337	5.43
36)	T	1,1-Dichloropr...	0.451	0.469	0.417	0.454	0.455	0.493	0.457	5.46
37)	T	Ethyl Acetate	0.412	0.425	0.404	0.427	0.403	0.421	0.415	2.54
38)	T	Carbon Tetrach...	0.500	0.529	0.484	0.543	0.534	0.572	0.527	5.93
39)	T	Methylcyclohexane	0.382	0.469	0.430	0.486	0.507	0.574	0.475	13.89
40)	TM	Benzene	1.462	1.452	1.358	1.443	1.424	1.528	1.444	3.81
41)	T	Methacrylonitrile	0.247	0.203	0.223	0.229	0.230	0.246	0.230	7.11
42)	TM	1,2-Dichloroet...	0.492	0.529	0.452	0.497	0.481	0.514	0.494	5.42
43)	T	Isopropyl Acetate	1.157	0.853	0.786	0.781	0.753	0.844	0.862	17.33
44)	TM	Trichloroethene	0.330	0.347	0.320	0.338	0.327	0.352	0.336	3.60
45)	C	1,2-Dichloropr...	0.374	0.352	0.340	0.351	0.349	0.369	0.356	3.68#
46)	T	Dibromomethane	0.260	0.249	0.225	0.248	0.244	0.257	0.247	4.94
47)	T	Bromodichlorom...	0.540	0.520	0.488	0.520	0.522	0.554	0.524	4.26
48)	T	Methyl methacr...	0.304	0.316	0.302	0.323	0.329	0.353	0.321	5.84
49)	T	1,4-Dioxane	0.005	0.005	0.006	0.006	0.006	0.005	0.006	3.84
50)	S	Toluene-d8		1.154	1.162	1.152	1.249	1.326	1.208	6.36
51)	T	4-Methyl-2-Pen...	0.361	0.394	0.382	0.406	0.406	0.414	0.394	5.01
52)	CM	Toluene	0.780	0.859	0.792	0.881	0.887	0.932	0.855	6.88#
53)	T	t-1,3-Dichloro...	0.525	0.479	0.486	0.539	0.549	0.574	0.525	7.01
54)	T	cis-1,3-Dichlo...	0.541	0.533	0.506	0.571	0.576	0.617	0.557	6.97
55)	T	1,1,2-Trichlor...	0.301	0.314	0.314	0.324	0.322	0.336	0.319	3.72

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N112224W.M

56)	T	Ethyl methacry...	0.370	0.429	0.437	0.491	0.518	0.549	0.465	14.12
57)	T	1,3-Dichloropr...	0.572	0.562	0.526	0.558	0.558	0.588	0.561	3.66
58)	T	2-Chloroethyl ...	0.167	0.194	0.220	0.243	0.271	0.275	0.228	18.86
59)	T	2-Hexanone	0.245	0.297	0.280	0.317	0.312	0.315	0.295	9.45
60)	T	Dibromochlorom...	0.411	0.387	0.350	0.392	0.386	0.410	0.389	5.71
61)	T	1,2-Dibromoethane	0.323	0.338	0.318	0.328	0.330	0.342	0.330	2.74
62)	S	4-Bromofluorob...		0.454	0.438	0.425	0.467	0.476	0.452	4.61
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.307	0.374	0.322	0.340	0.328	0.350	0.337	7.01
65)	PM	Chlorobenzene	1.241	1.133	1.089	1.123	1.090	1.128	1.134	4.91
66)	T	1,1,1,2-Tetrac...	0.390	0.420	0.383	0.388	0.398	0.417	0.399	3.93
67)	C	Ethyl Benzene	1.644	1.809	1.698	1.880	1.945	2.063	1.840	8.48#
68)	T	m/p-Xylenes	0.626	0.666	0.663	0.732	0.737	0.778	0.700	8.17
69)	T	o-Xylene	0.598	0.633	0.641	0.685	0.707	0.733	0.666	7.63
70)	T	Styrene	0.921	1.038	1.069	1.178	1.195	1.248	1.108	10.94
71)	P	Bromoform	0.289	0.299	0.273	0.299	0.310	0.309	0.296	4.58
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.175	3.464	3.402	3.605	3.632	3.888	3.527	6.84
74)	T	N-amyl acetate	1.339	1.383	1.351	1.543	1.552	1.553	1.454	7.30
75)	P	1,1,2,2-Tetrac...	1.517	1.231	1.148	1.152	1.103	1.076	1.204	13.45
76)	T	1,2,3-Trichlor...	1.023	0.822	0.768	0.933	0.903	1.009	0.909	11.13
77)	T	Bromobenzene	1.072	0.967	0.902	0.926	0.919	0.910	0.949	6.76
78)	T	n-propylbenzene	3.534	4.013	3.880	4.201	4.236	4.547	4.068	8.51
79)	T	2-Chlorotoluene	2.779	2.679	2.638	2.751	2.671	2.776	2.716	2.23
80)	T	1,3,5-Trimethy...	2.519	2.842	2.864	3.115	3.146	3.273	2.960	9.24
81)	T	trans-1,4-Dich...		0.440	0.390	0.403	0.408	0.418	0.412	4.60
82)	T	4-Chlorotoluene	2.977	2.819	2.725	2.846	2.774	2.822	2.827	3.00
83)	T	tert-Butylbenzene	2.454	2.444	2.436	2.590	2.631	2.725	2.547	4.72
84)	T	1,2,4-Trimethy...	2.704	2.890	2.927	3.195	3.241	3.322	3.047	7.93
85)	T	sec-Butylbenzene	2.976	3.246	3.280	3.593	3.667	3.880	3.440	9.61
86)	T	p-Isopropyltol...	2.279	2.585	2.740	3.075	3.092	3.269	2.840	13.10
87)	T	1,3-Dichlorobe...	2.326	1.941	1.744	1.785	1.717	1.720	1.872	12.69
88)	T	1,4-Dichlorobe...	2.337	2.034	1.788	1.819	1.760	1.726	1.911	12.31
89)	T	n-Butylbenzene	2.805	2.500	2.375	2.613	2.671	2.882	2.641	7.13
90)	T	Hexachloroethane	0.685	0.634	0.568	0.596	0.607	0.624	0.619	6.42
91)	T	1,2-Dichlorobe...	2.157	1.815	1.685	1.756	1.687	1.665	1.794	10.39
92)	T	1,2-Dibromo-3-...	0.265	0.249	0.223	0.227	0.219	0.214	0.233	8.48
93)	T	1,2,4-Trichlor...	1.178	0.973	0.919	0.949	0.902	0.927	0.975	10.53
94)	T	Hexachlorobuta...	0.556	0.474	0.408	0.441	0.403	0.416	0.450	12.94
95)	T	Naphthalene	2.952	2.683	2.455	2.839	2.835	2.892	2.776	6.52
96)	T	1,2,3-Trichlor...	1.041	0.926	0.849	0.944	0.898	0.922	0.930	6.84

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085005.D
Acq On : 22 Nov 2024 11:22
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 23 01:57:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	174548	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	280535	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	240979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	257466	103.553	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 207.100%#			
35) Dibromofluoromethane	8.165	113	202772	107.183	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 214.360%#			
50) Toluene-d8	10.565	98	743711	109.694	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 219.380%#			
62) 4-Bromofluorobenzene	12.847	95	266822	105.236	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 210.480%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	202252	102.473	ug/l	98
3) Chloromethane	2.354	50	199697	87.235	ug/l	96
4) Vinyl Chloride	2.512	62	208274	101.241	ug/l	99
5) Bromomethane	2.912	94	110325	95.681	ug/l	93
6) Chloroethane	3.089	64	129044	93.064	ug/l	98
7) Trichlorofluoromethane	3.483	101	356271	101.806	ug/l	98
8) Diethyl Ether	3.953	74	128277	107.697	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	205989	103.783	ug/l	99
10) Methyl Iodide	4.577	142	268539	102.212	ug/l	98
11) Tert butyl alcohol	5.553	59	141986	427.348	ug/l	97
12) 1,1-Dichloroethene	4.330	96	190847	103.013	ug/l	97
13) Acrolein	4.171	56	111387	502.422	ug/l	96
14) Allyl chloride	5.012	41	324148	103.788	ug/l	99
15) Acrylonitrile	5.712	53	457016	485.851	ug/l	100
16) Acetone	4.424	43	399104	551.165	ug/l	98
17) Carbon Disulfide	4.700	76	527408	96.448	ug/l	97
18) Methyl Acetate	5.018	43	229272	100.214	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	649308	107.267	ug/l	99
20) Methylene Chloride	5.265	84	210468	95.251	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	199008	102.076	ug/l	92
22) Diisopropyl ether	6.665	45	634389	100.923	ug/l	98
23) Vinyl Acetate	6.595	43	2349580	541.815	ug/l	99
24) 1,1-Dichloroethane	6.565	63	380941	101.270	ug/l	98
25) 2-Butanone	7.477	43	596036	503.469	ug/l	99
26) 2,2-Dichloropropane	7.483	77	360997	102.775	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	232992	99.132	ug/l	97
28) Bromochloromethane	7.806	49	142811	100.575	ug/l	97
29) Tetrahydrofuran	7.836	42	373666	507.558	ug/l	99
30) Chloroform	7.959	83	390189	97.513	ug/l	98
31) Cyclohexane	8.253	56	318957	96.305	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	365495	101.081	ug/l	98
36) 1,1-Dichloropropene	8.365	75	276659	107.966	ug/l	99
37) Ethyl Acetate	7.553	43	236399	101.478	ug/l	100
38) Carbon Tetrachloride	8.359	117	321086	108.554	ug/l	97
39) Methylcyclohexane	9.594	83	322151	120.983	ug/l	97
40) Benzene	8.600	78	857333	105.783	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085005.D
Acq On : 22 Nov 2024 11:22
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 23 01:57:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	138044	107.026 ug/l	99
42) 1,2-Dichloroethane	8.665	62	288320	103.986 ug/l	100
43) Isopropyl Acetate	8.683	43	473683	97.891 ug/l	98
44) Trichloroethene	9.347	130	197483	104.851 ug/l	96
45) 1,2-Dichloropropane	9.618	63	206776	103.586 ug/l	99
46) Dibromomethane	9.706	93	144116	103.900 ug/l	99
47) Bromodichloromethane	9.883	83	310562	105.641 ug/l	98
48) Methyl methacrylate	9.677	41	197798	109.847 ug/l	98
49) 1,4-Dioxane	9.694	88	61188	1959.471 ug/l #	89
51) 4-Methyl-2-Pentanone	10.441	43	1162080	525.783 ug/l	98
52) Toluene	10.630	92	522980	109.001 ug/l	100
53) t-1,3-Dichloropropene	10.830	75	321790	109.180 ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	346064	110.678 ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	188724	105.602 ug/l	99
56) Ethyl methacrylate	10.871	69	307844	117.883 ug/l	98
57) 1,3-Dichloropropane	11.159	76	329902	104.887 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	771827	602.530 ug/l	99
59) 2-Hexanone	11.194	43	884879	535.314 ug/l	100
60) Dibromochloromethane	11.359	129	229875	105.249 ug/l	98
61) 1,2-Dibromoethane	11.465	107	191654	103.624 ug/l	98
64) Tetrachloroethene	11.100	164	168926	104.032 ug/l	94
65) Chlorobenzene	11.888	112	543518	99.452 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	201000	104.459 ug/l	99
67) Ethyl Benzene	11.959	91	994049	112.113 ug/l	100
68) m/p-Xylenes	12.071	106	749782	222.116 ug/l	100
69) o-Xylene	12.394	106	353441	110.070 ug/l	99
70) Styrene	12.406	104	601271	112.600 ug/l	100
71) Bromoform	12.576	173	148879	104.234 ug/l #	99
73) Isopropylbenzene	12.694	105	922085	110.216 ug/l	100
74) N-amyl acetate	12.494	43	368260	106.820 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	255286	89.359 ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	239373m	107.901 ug/l	
77) Bromobenzene	12.976	156	215866	95.881 ug/l	98
78) n-propylbenzene	13.035	91	1078373	111.753 ug/l	99
79) 2-Chlorotoluene	13.123	91	658525	102.230 ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	776252	110.573 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	99218	104.513 ug/l	96
82) 4-Chlorotoluene	13.218	91	669311	99.811 ug/l	99
83) tert-Butylbenzene	13.435	119	646369	107.009 ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	787962	109.040 ug/l	100
85) sec-Butylbenzene	13.612	105	920223	112.777 ug/l	99
86) p-Isopropyltoluene	13.729	119	775322	115.104 ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	407844	91.842 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	409489	90.361 ug/l	99
89) n-Butylbenzene	14.053	91	683538	109.120 ug/l	99
90) Hexachloroethane	14.335	117	147973	100.783 ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	394872	92.796 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	50863	92.071 ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	219866	95.107 ug/l	99
94) Hexachlorobutadiene	15.500	225	98588	92.405 ug/l	99
95) Naphthalene	15.641	128	685964	104.183 ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	218578	99.092 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085005.D
Acq On : 22 Nov 2024 11:22
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 23 01:57:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

ICAL Form

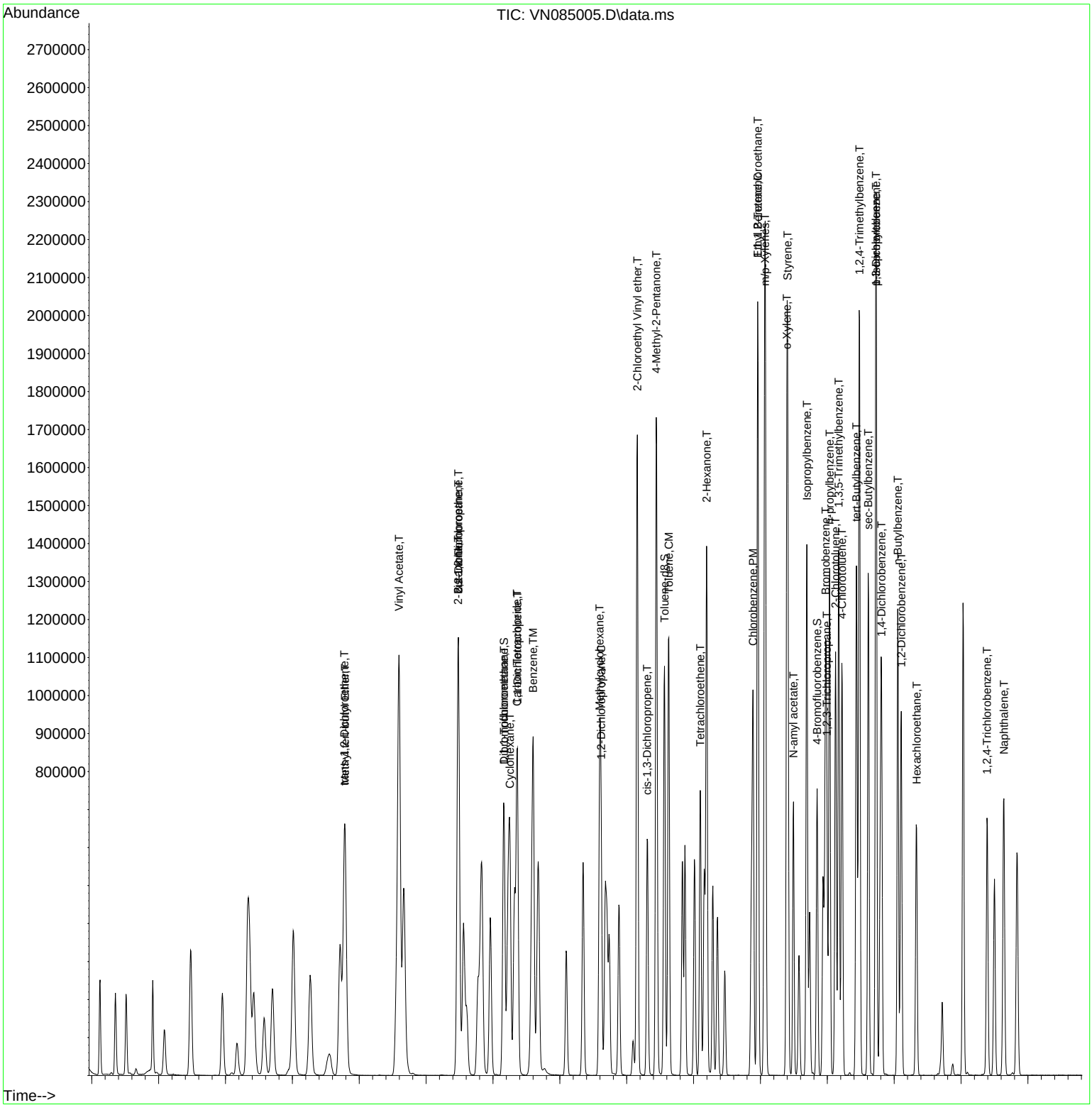
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085005.D
Acq On : 22 Nov 2024 11:22
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

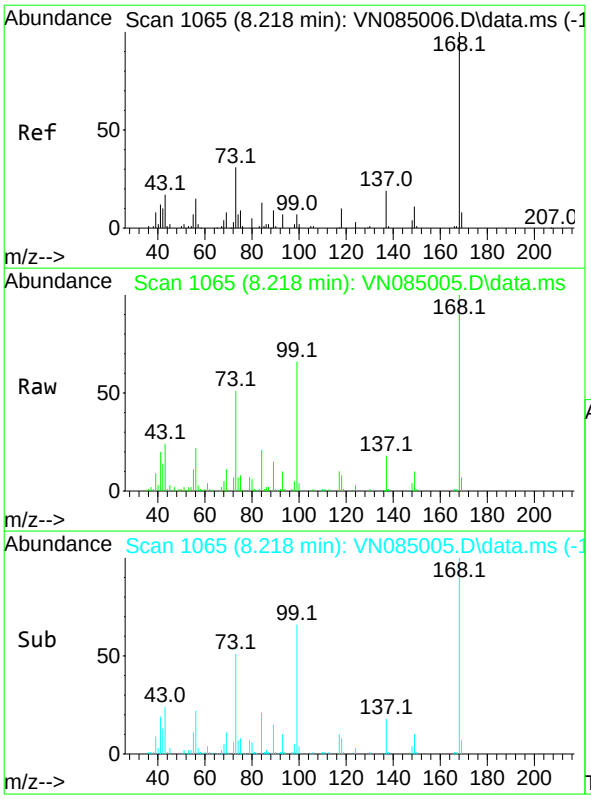
Quant Time: Nov 23 01:57:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

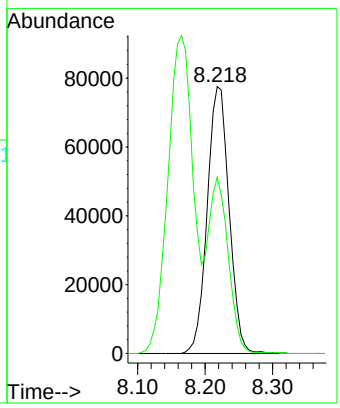




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:168 Resp: 174548

Ion	Ratio	Lower	Upper
168	100		
99	65.7	51.2	76.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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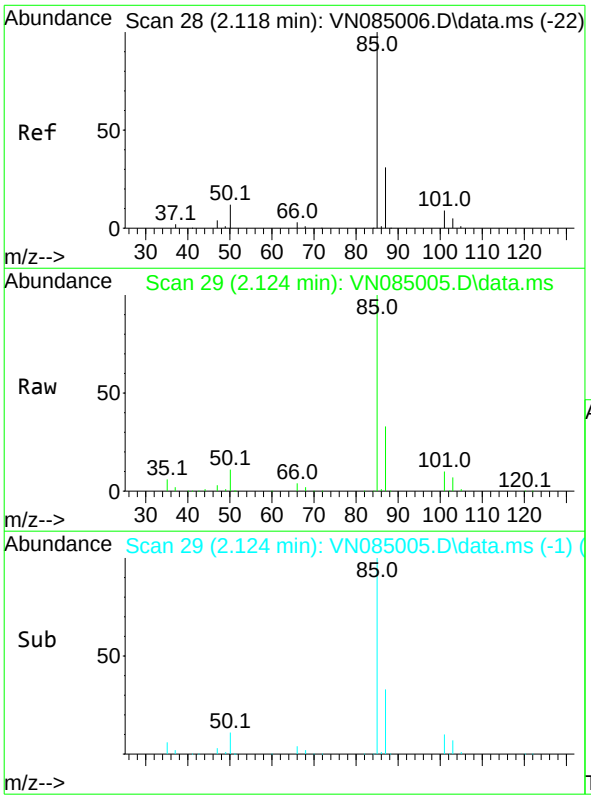
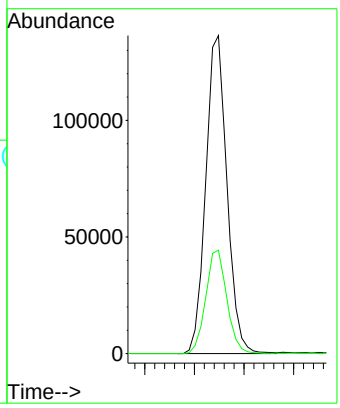
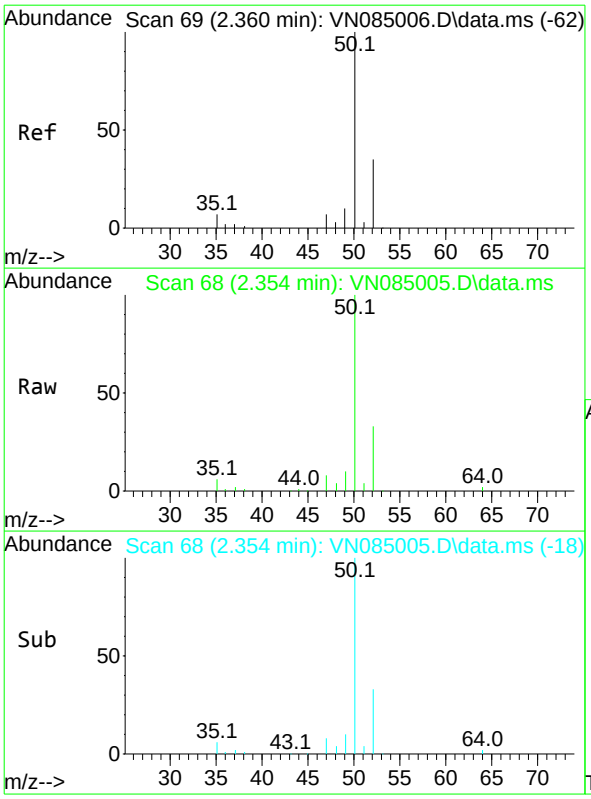


#2
Dichlorodifluoromethane
Concen: 102.473 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 85 Resp: 202252

Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.7	47.1

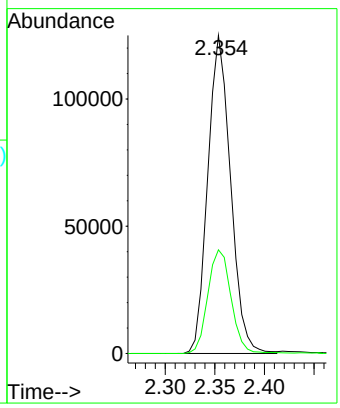




#3
Chloromethane
Concen: 87.235 ug/l
RT: 2.354 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 50 Resp: 199697

Ion	Ratio	Lower	Upper
50	100		
52	32.6	27.8	41.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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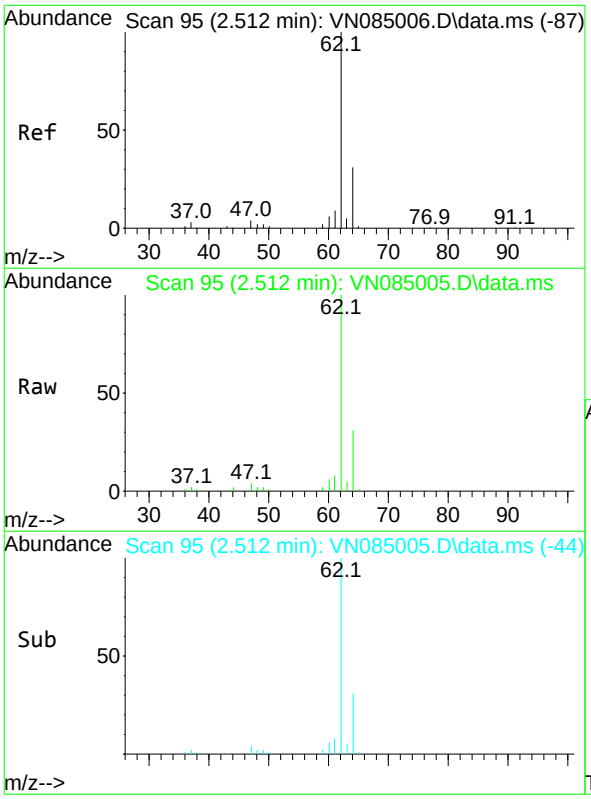
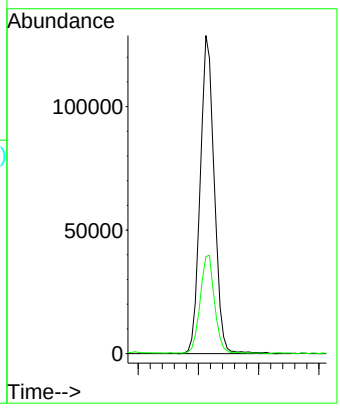
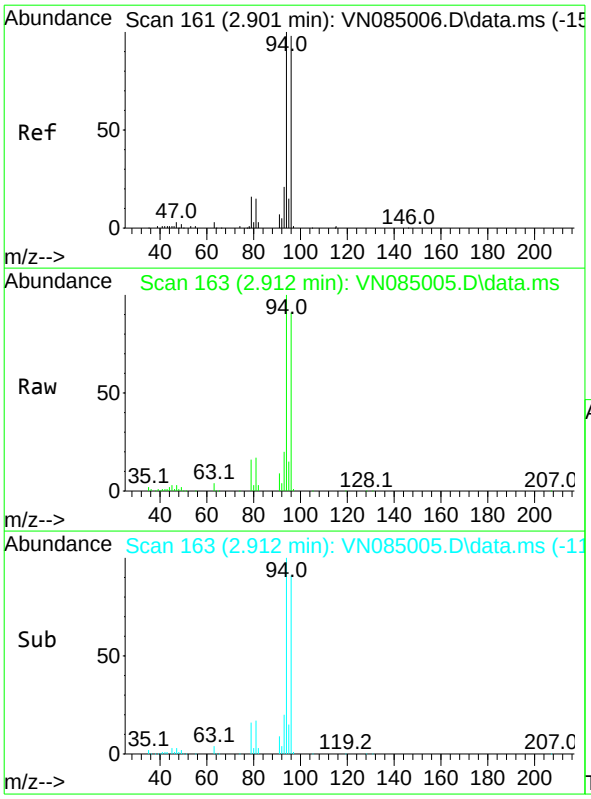


#4
Vinyl Chloride
Concen: 101.241 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 62 Resp: 208274

Ion	Ratio	Lower	Upper
62	100		
64	30.3	24.6	36.8

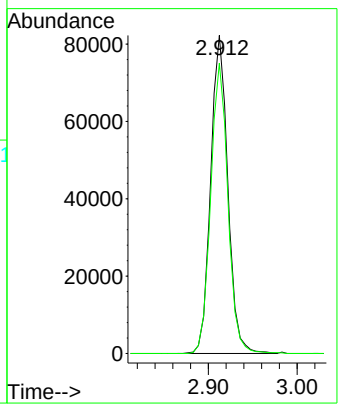




#5
Bromomethane
Concen: 95.681 ug/l
RT: 2.912 min Scan# 16
Delta R.T. 0.012 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 94 Resp: 110325

Ion	Ratio	Lower	Upper
94	100		
96	91.3	78.7	118.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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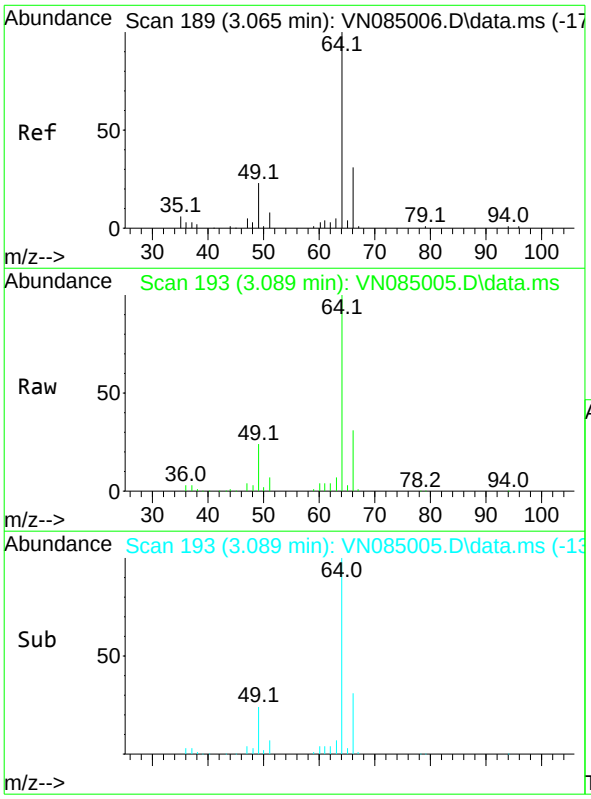
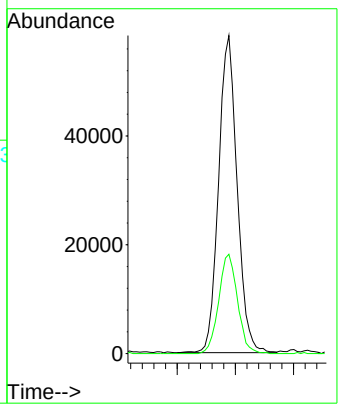
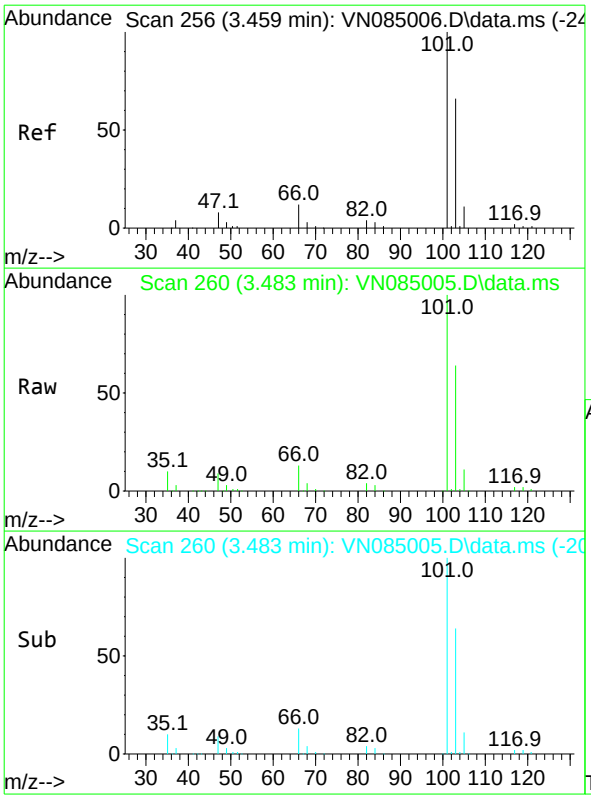


#6
Chloroethane
Concen: 93.064 ug/l
RT: 3.089 min Scan# 193
Delta R.T. 0.024 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 64 Resp: 129044

Ion	Ratio	Lower	Upper
64	100		
66	31.3	24.4	36.6

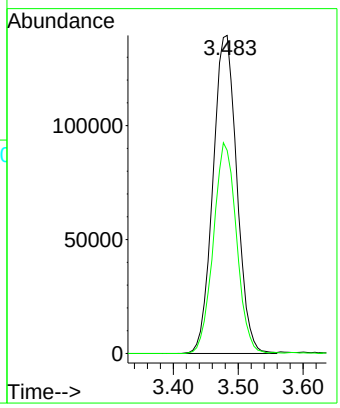




#7
Trichlorofluoromethane
Concen: 101.806 ug/l
RT: 3.483 min Scan# 26
Delta R.T. 0.024 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:101 Resp: 356271

Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.6	78.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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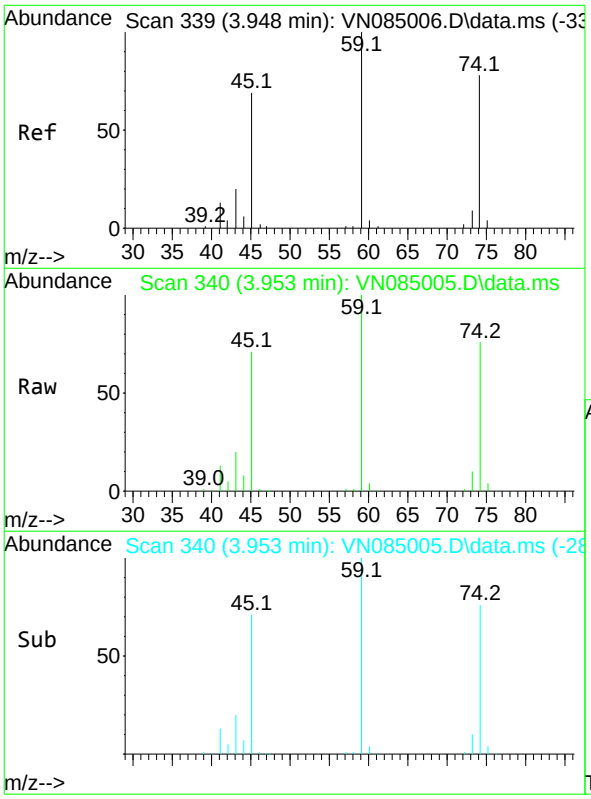
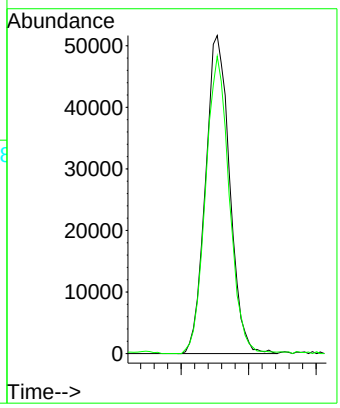
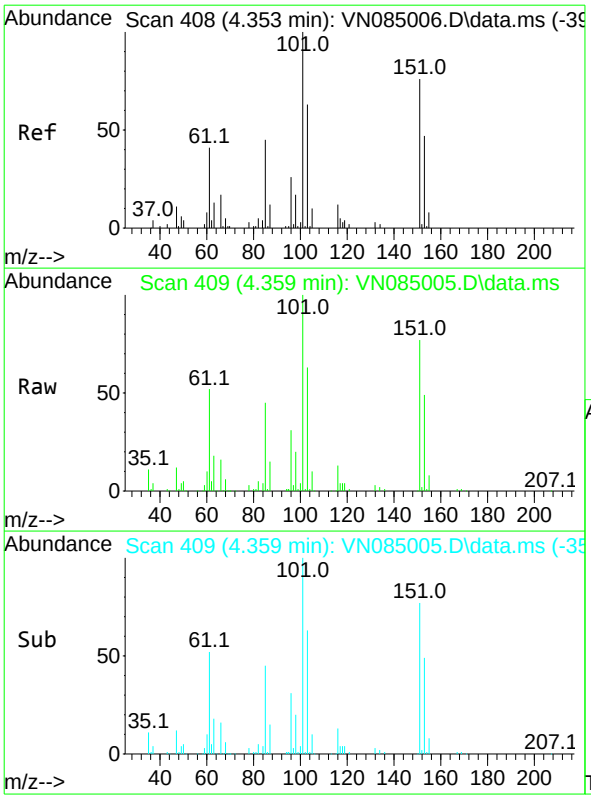


#8
Diethyl Ether
Concen: 107.697 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 74 Resp: 128277

Ion	Ratio	Lower	Upper
74	100		
45	91.9	46.7	140.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 103.783 ug/l
RT: 4.359 min Scan# 40
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:101 Resp: 205989

Ion	Ratio	Lower	Upper
101	100		
85	44.0	36.9	55.3
151	75.9	60.8	91.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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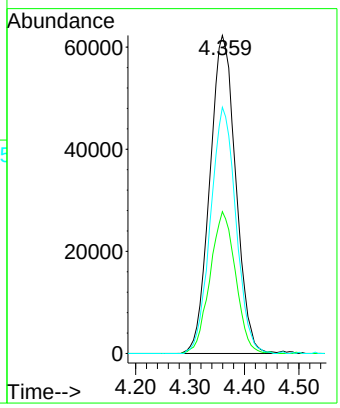
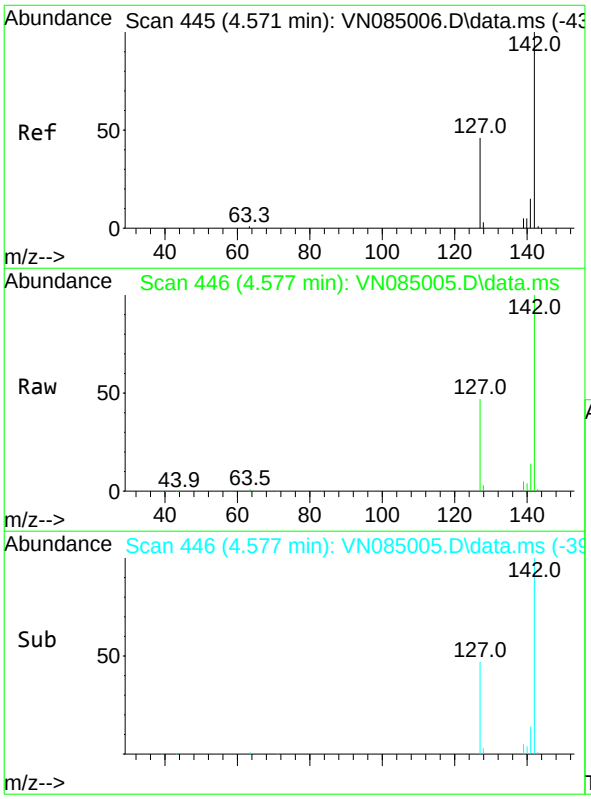
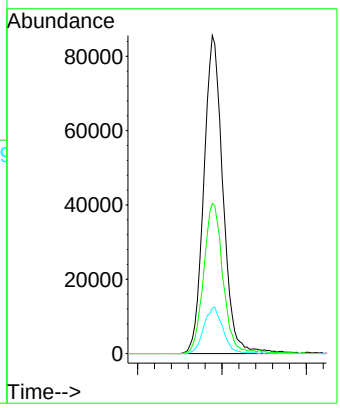


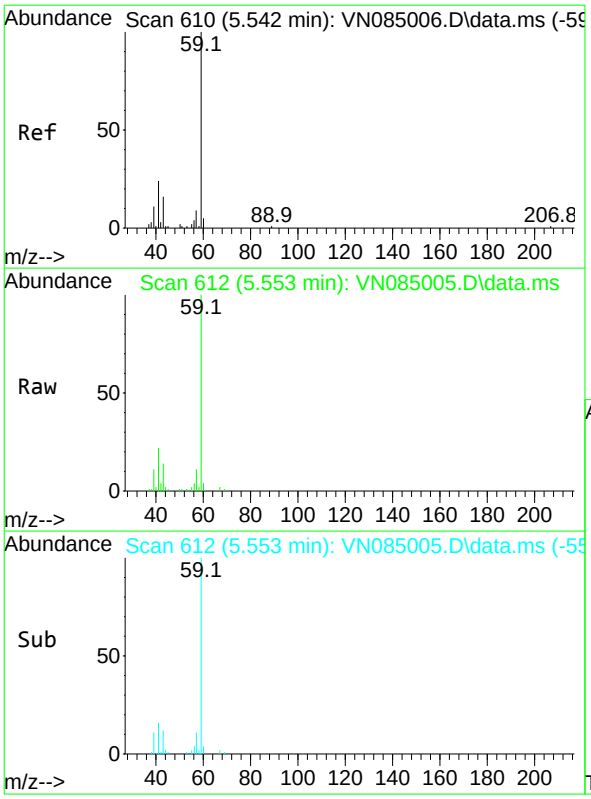


#10
Methyl Iodide
Concen: 102.212 ug/l
RT: 4.577 min Scan# 446
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:142 Resp: 268539

Ion	Ratio	Lower	Upper
142	100		
127	47.2	36.6	54.8
141	14.3	12.2	18.4

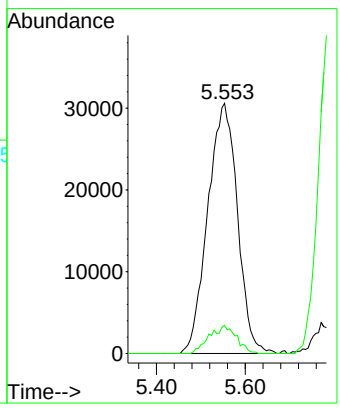




#11
Tert butyl alcohol
Concen: 427.348 ug/l
RT: 5.553 min Scan# 61
Delta R.T. 0.012 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 59 Resp: 141986

Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.4	11.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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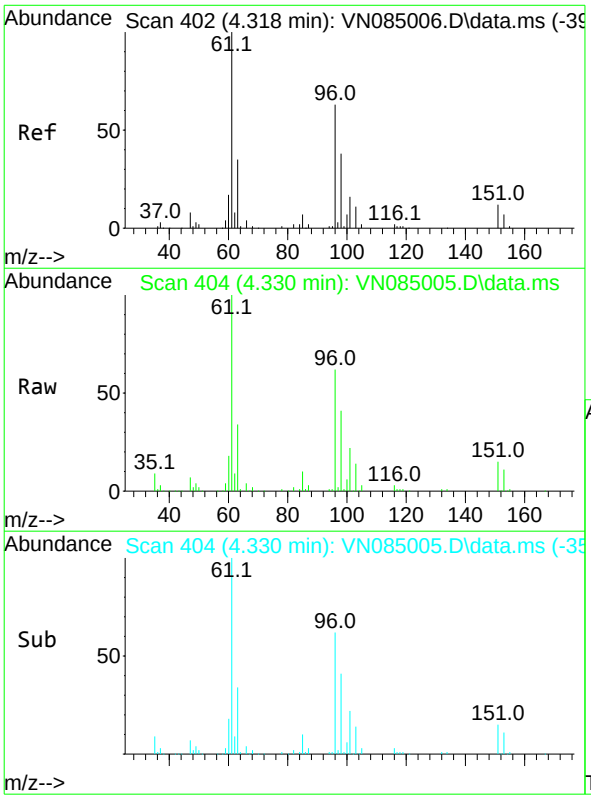
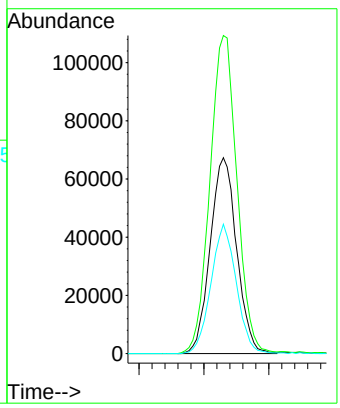
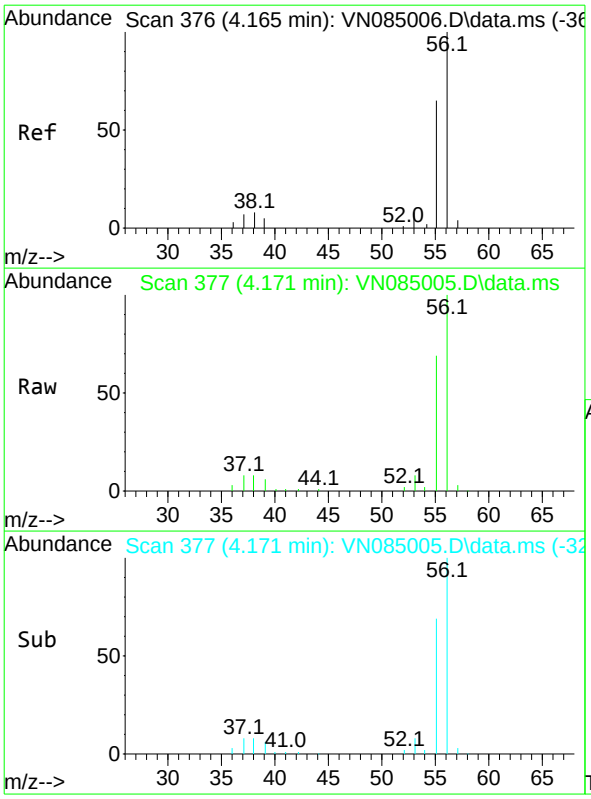


#12
1,1-Dichloroethene
Concen: 103.013 ug/l
RT: 4.330 min Scan# 404
Delta R.T. 0.012 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 96 Resp: 190847

Ion	Ratio	Lower	Upper
96	100		
61	162.4	127.8	191.8
98	66.1	49.2	73.8

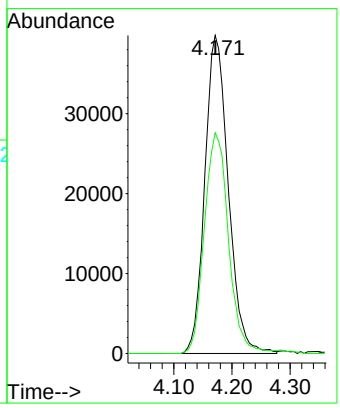




#13
Acrolein
Concen: 502.422 ug/l
RT: 4.171 min Scan# 37
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 56 Resp: 111387

Ion	Ratio	Lower	Upper
56	100		
55	71.2	54.5	81.7



Instrument :
MSVOA_N
ClientSampleId :
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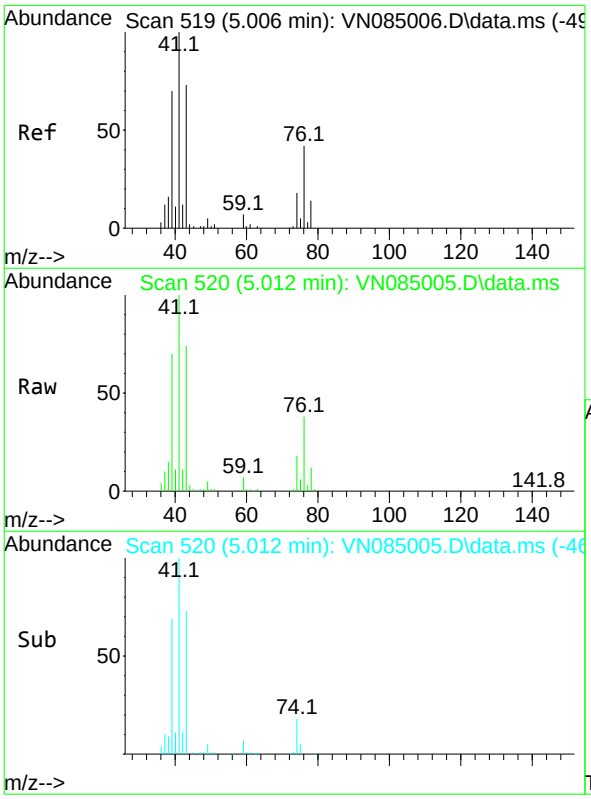
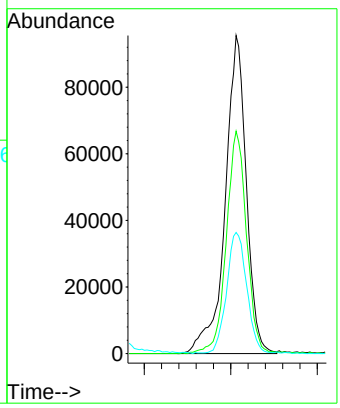
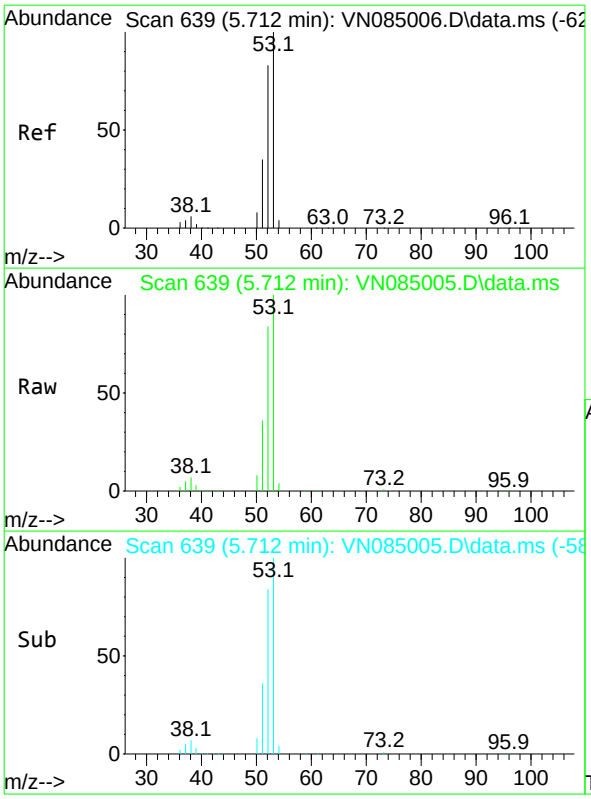


#14
Allyl chloride
Concen: 103.788 ug/l
RT: 5.012 min Scan# 520
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 41 Resp: 324148

Ion	Ratio	Lower	Upper
41	100		
39	66.7	53.8	80.8
76	35.8	29.3	43.9

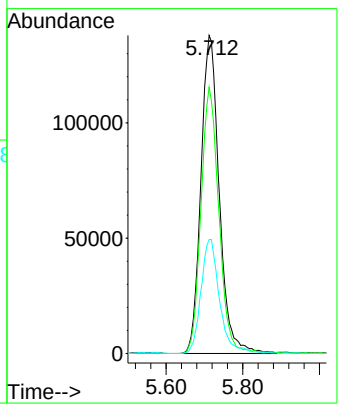




#15
Acrylonitrile
Concen: 485.851 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 53 Resp: 457016

Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.5	98.3
51	36.3	28.4	42.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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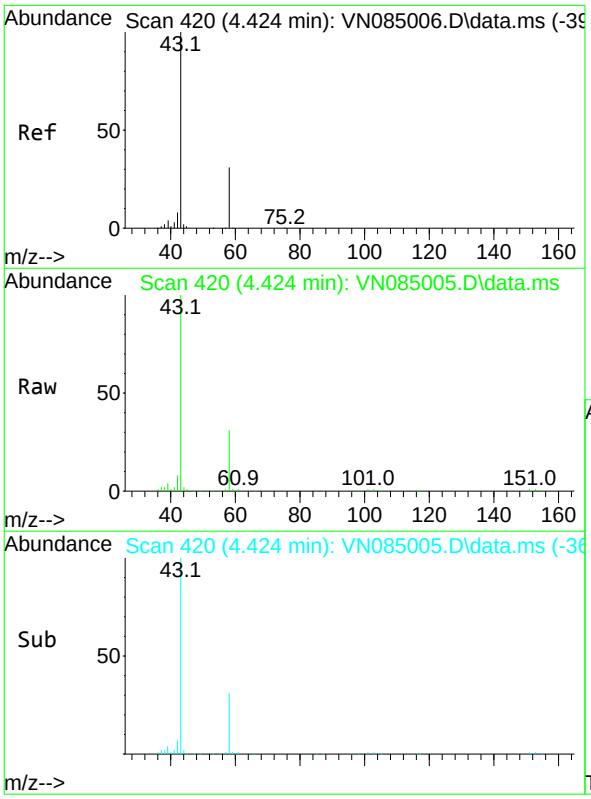
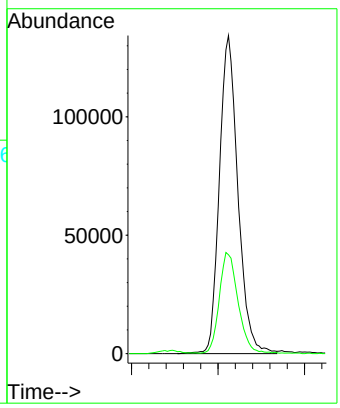
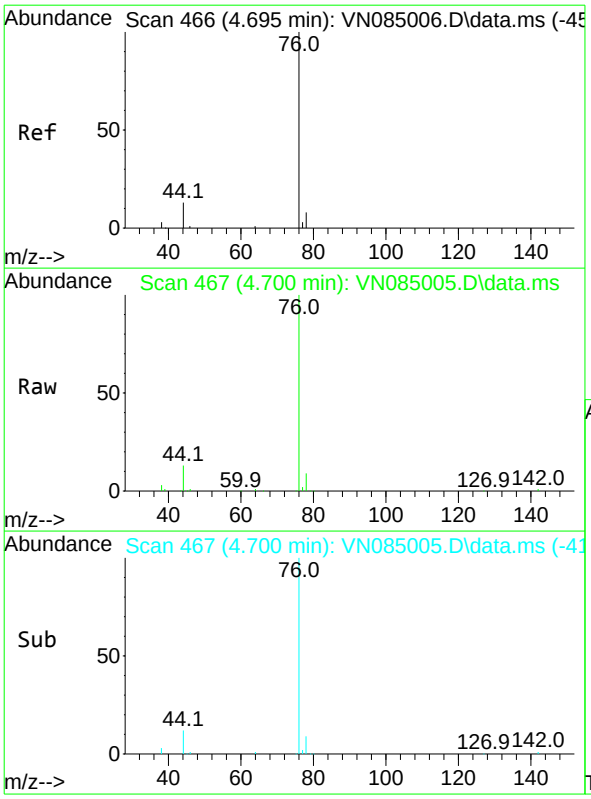


#16
Acetone
Concen: 551.165 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 399104

Ion	Ratio	Lower	Upper
43	100		
58	30.8	25.4	38.2

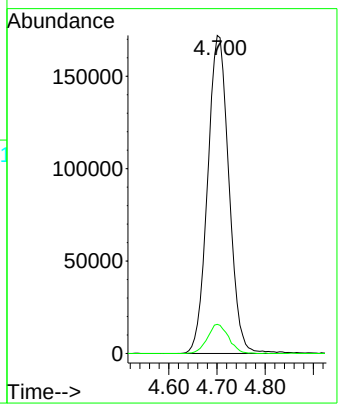




#17
Carbon Disulfide
Concen: 96.448 ug/l
RT: 4.700 min Scan# 46
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 76 Resp: 527408

Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.5	9.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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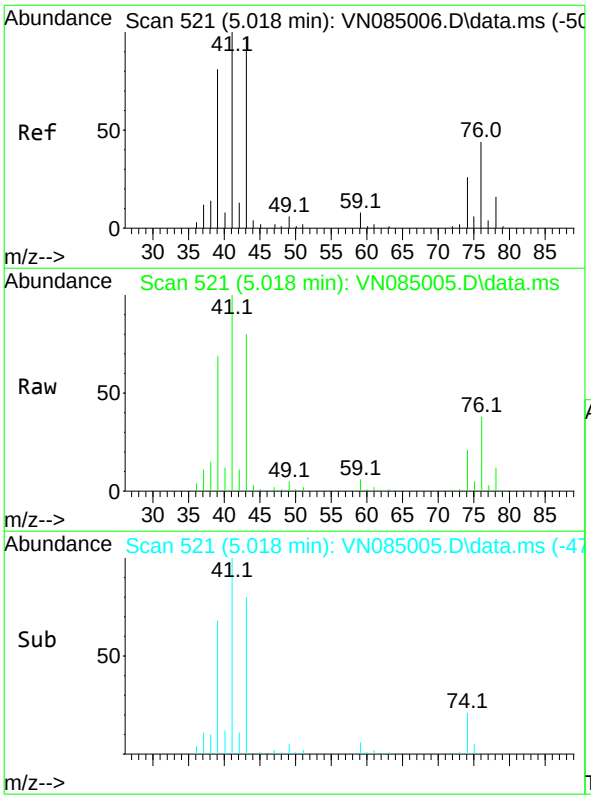
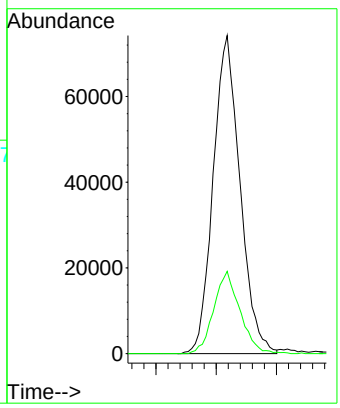
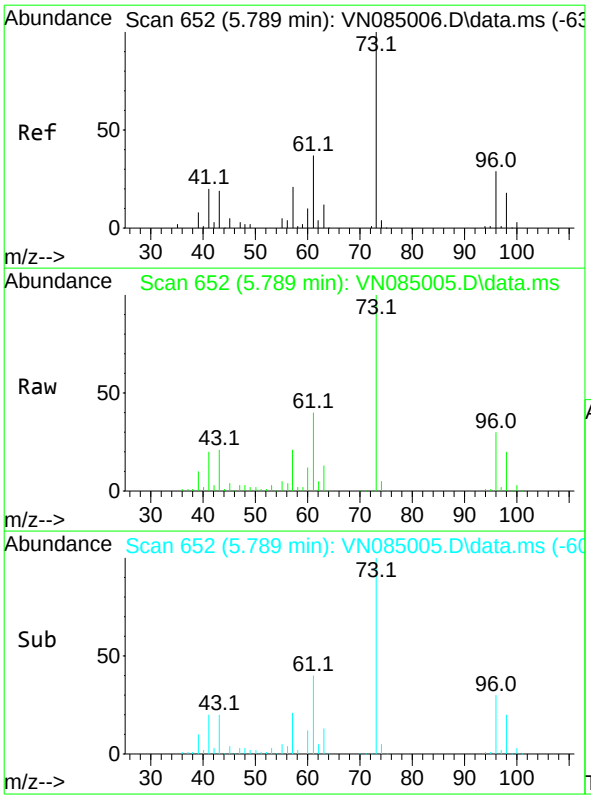


#18
Methyl Acetate
Concen: 100.214 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 229272

Ion	Ratio	Lower	Upper
43	100		
74	25.2	20.1	30.1

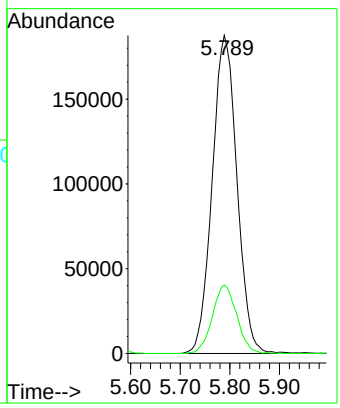




#19
Methyl tert-butyl Ether
Concen: 107.267 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 73 Resp: 649308

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.0	25.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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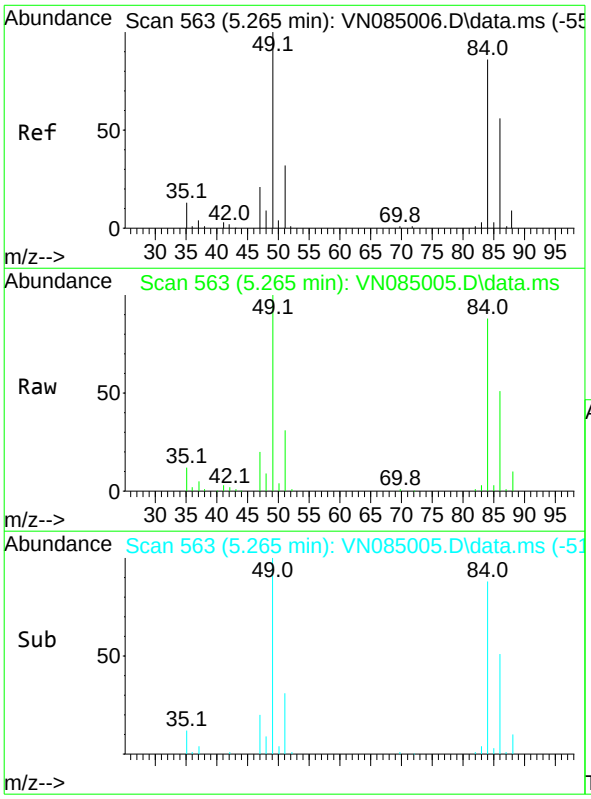
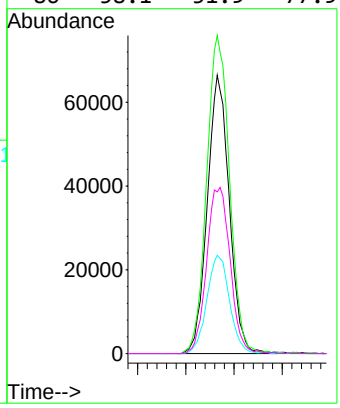
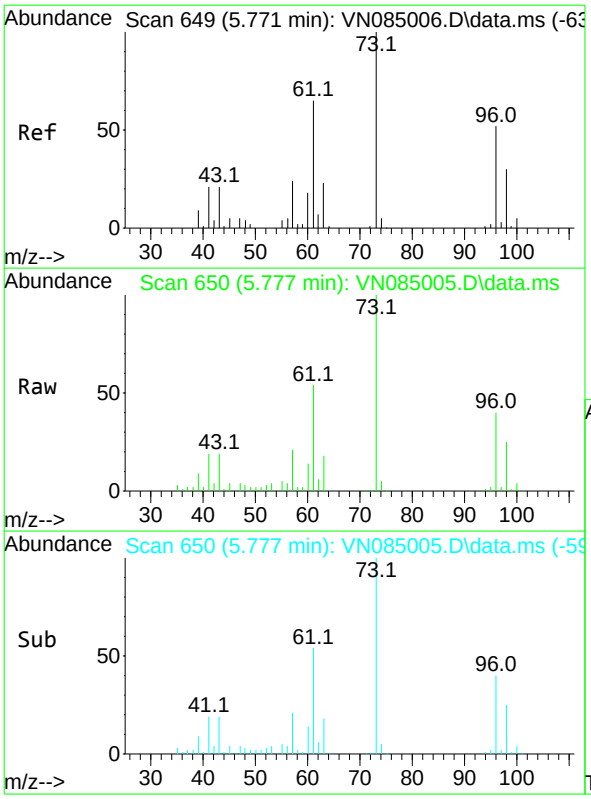


#20
Methylene Chloride
Concen: 95.251 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 84 Resp: 210468

Ion	Ratio	Lower	Upper
84	100		
49	114.2	92.7	139.1
51	35.3	29.4	44.2
86	58.1	51.9	77.9

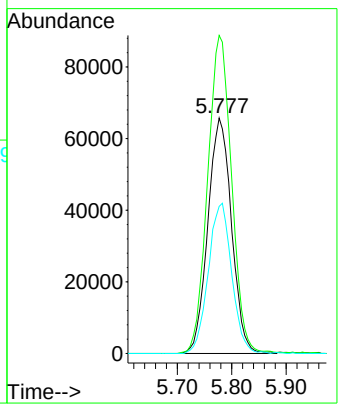




#21
trans-1,2-Dichloroethene
Concen: 102.076 ug/l
RT: 5.777 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 96 Resp: 199008

Ion	Ratio	Lower	Upper
96	100		
61	135.1	100.7	151.1
98	62.5	45.8	68.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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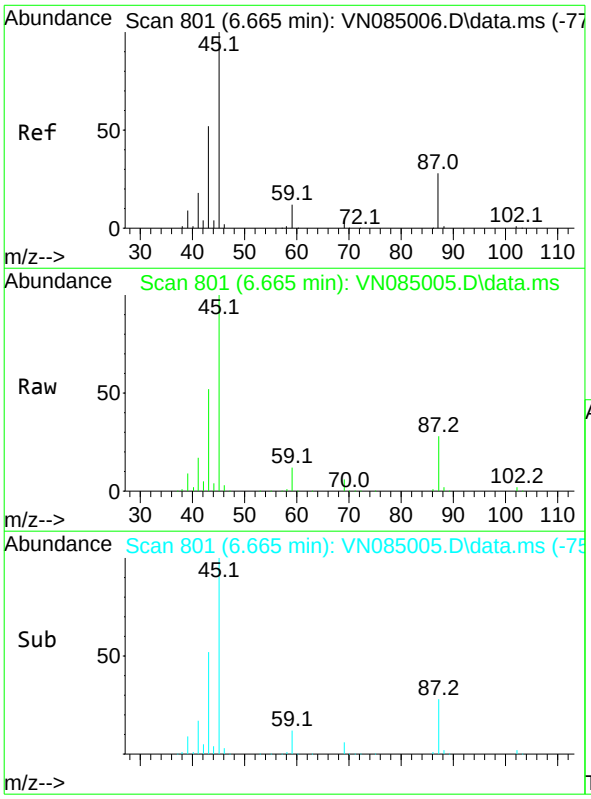
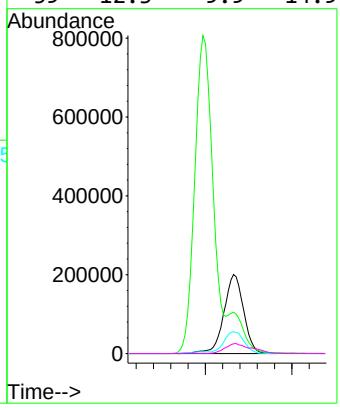
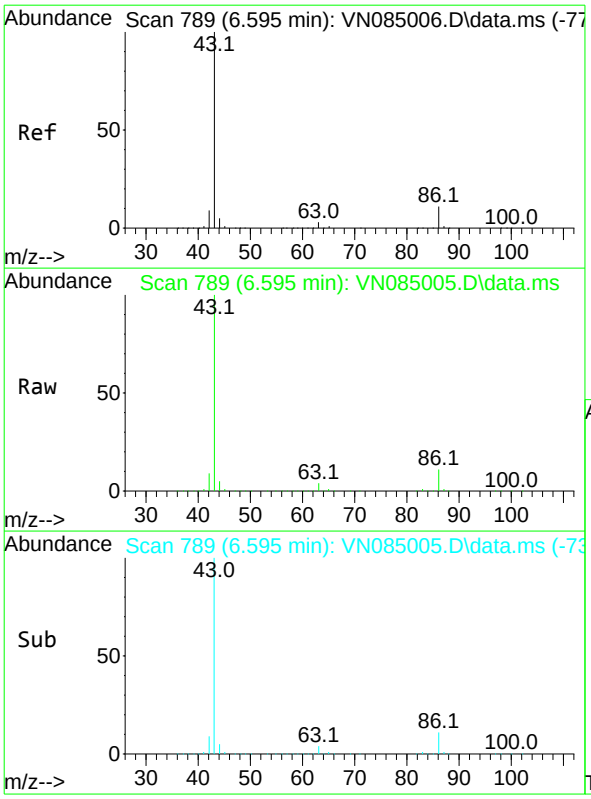


#22
Diisopropyl ether
Concen: 100.923 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 45 Resp: 634389

Ion	Ratio	Lower	Upper
45	100		
43	51.5	42.7	64.1
87	27.3	22.6	34.0
59	12.3	9.9	14.9

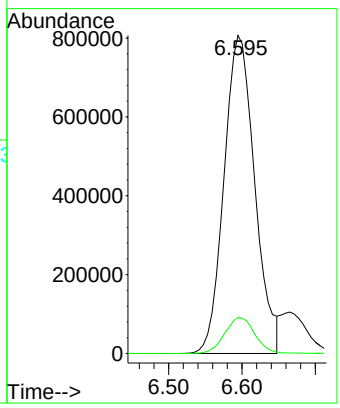




#23
Vinyl Acetate
Concen: 541.815 ug/l
RT: 6.595 min Scan# 78
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 2349580

Ion	Ratio	Lower	Upper
43	100		
86	11.3	8.9	13.3



Instrument :
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ClientSampleId :
VSTDICC100

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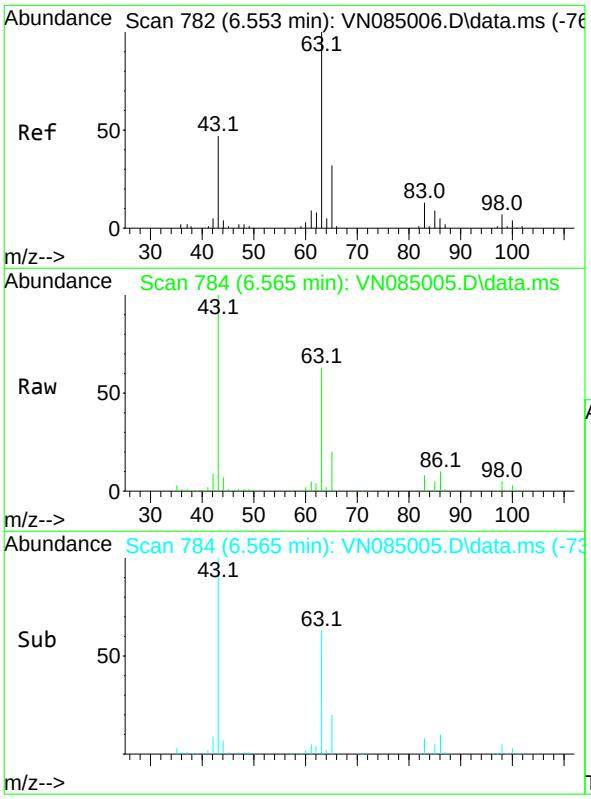
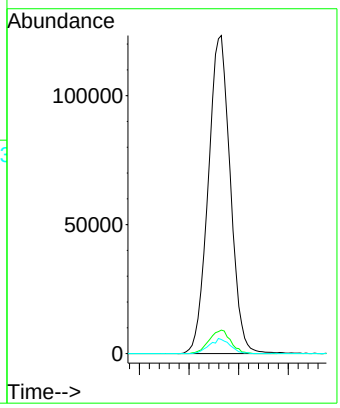
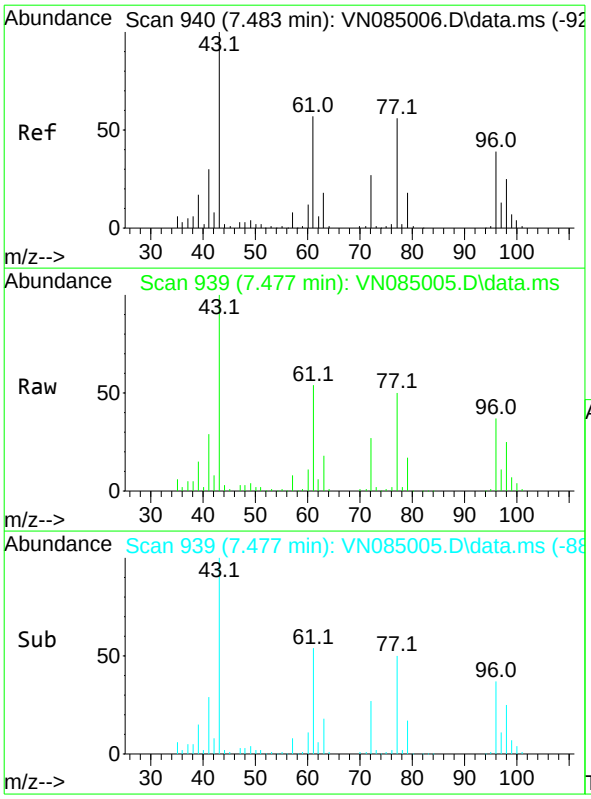


#24
1,1-Dichloroethane
Concen: 101.270 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.012 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 63 Resp: 380941

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.3	9.8
100	4.4	2.2	6.6

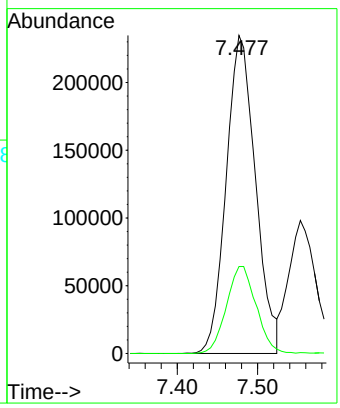




#25
2-Butanone
Concen: 503.469 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 596036

Ion	Ratio	Lower	Upper
43	100		
72	27.3	21.4	32.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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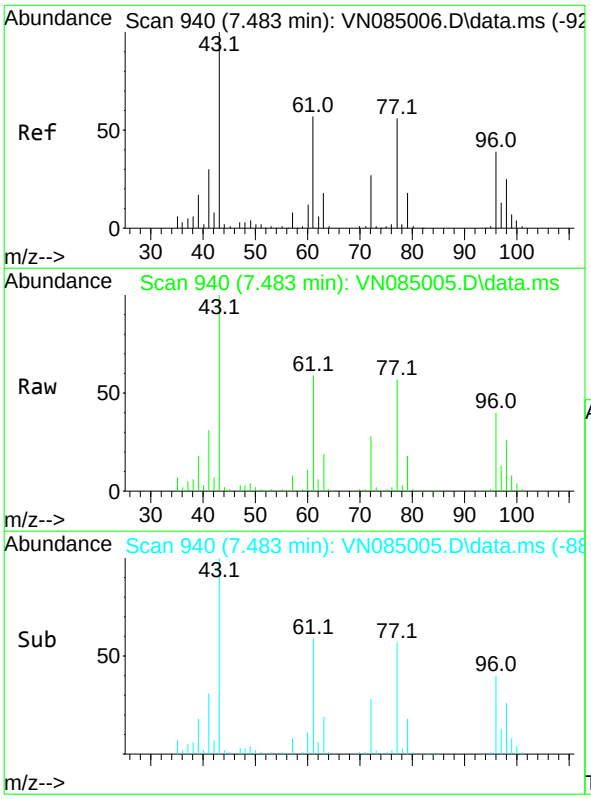
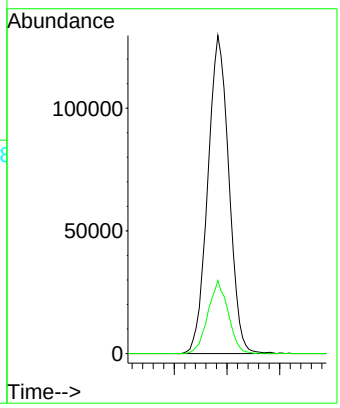
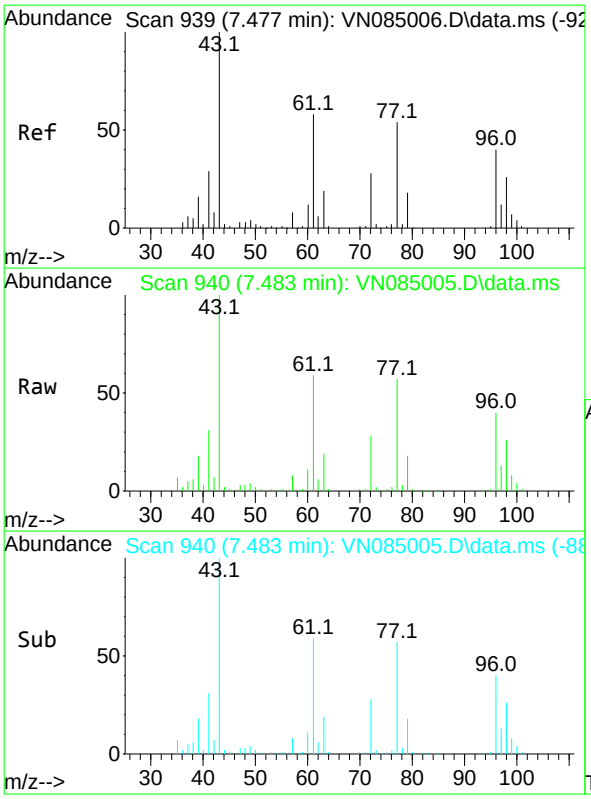


#26
2,2-Dichloropropane
Concen: 102.775 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 77 Resp: 360997

Ion	Ratio	Lower	Upper
77	100		
97	21.9	10.9	32.7

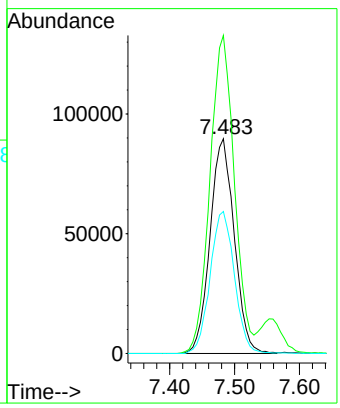




#27
cis-1,2-Dichloroethene
Concen: 99.132 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 96 Resp: 232992

Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	291.6
98	66.3	0.0	129.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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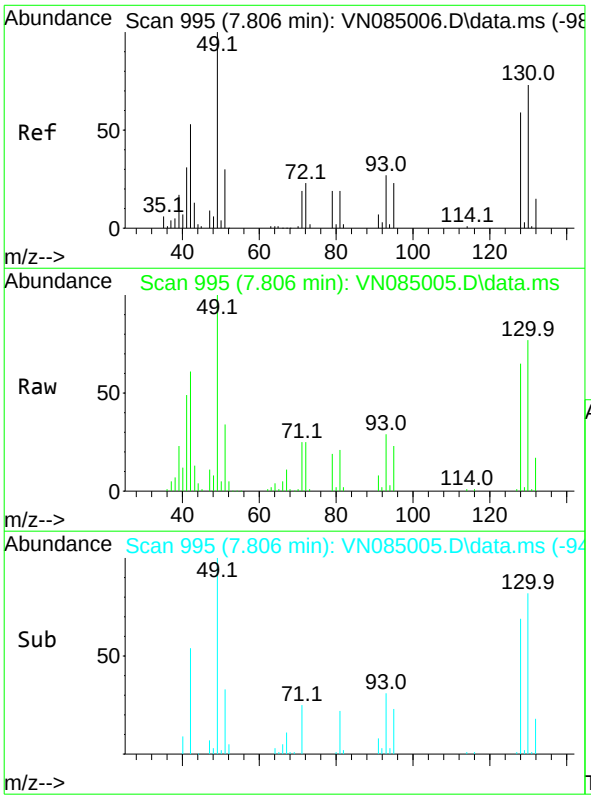
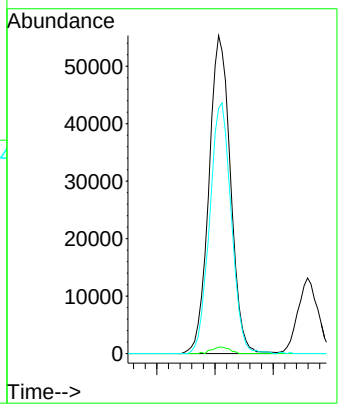
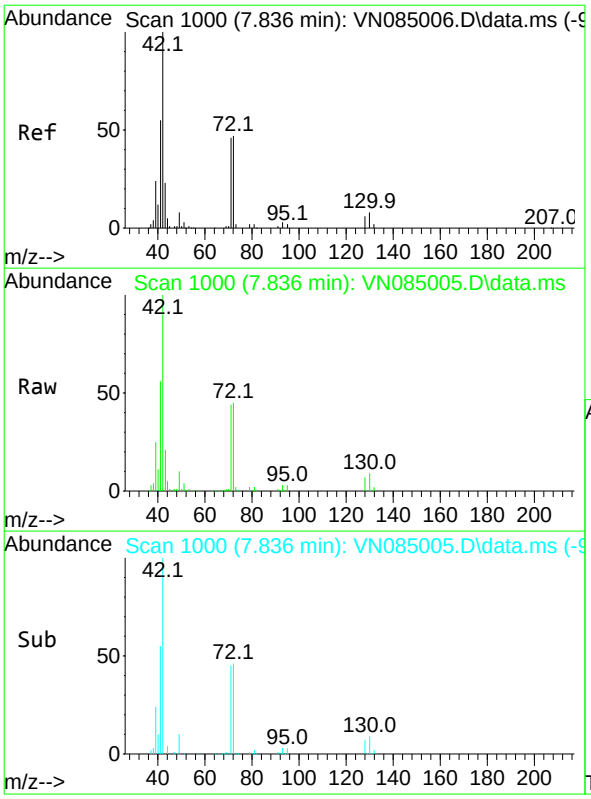


#28
Bromochloromethane
Concen: 100.575 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 49 Resp: 142811

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.0
130	78.7	60.6	90.8

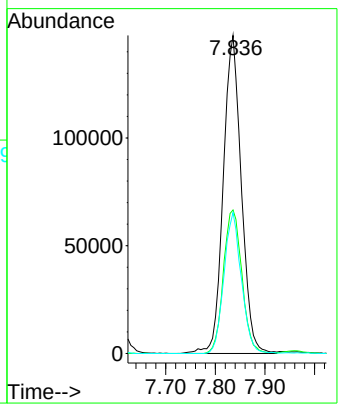




#29
Tetrahydrofuran
Concen: 507.558 ug/l
RT: 7.836 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 42 Resp: 373666

Ion	Ratio	Lower	Upper
42	100		
72	46.1	37.0	55.4
71	42.7	35.0	52.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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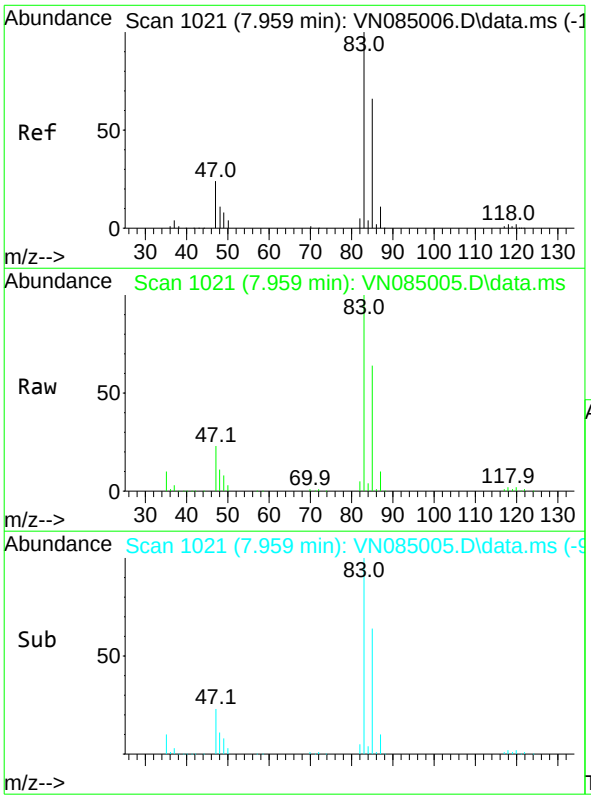
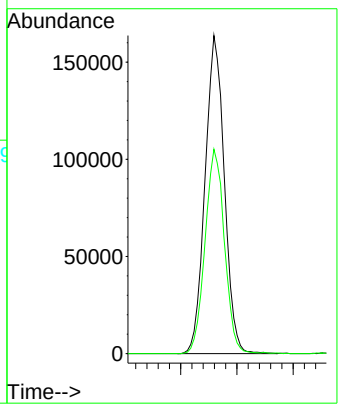
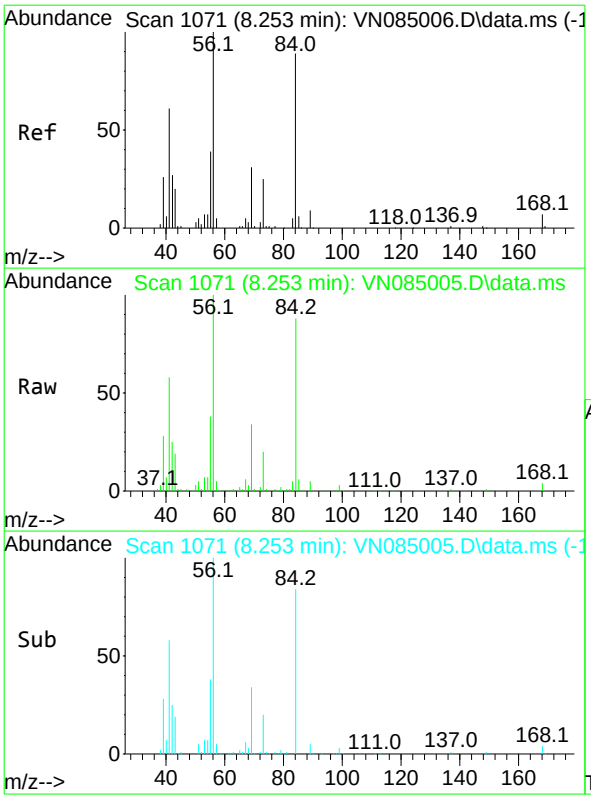


#30
Chloroform
Concen: 97.513 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 83 Resp: 390189

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.6	78.8

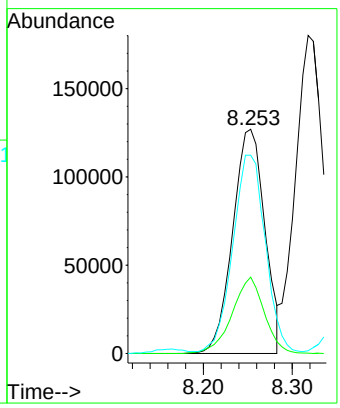




#31
Cyclohexane
Concen: 96.305 ug/l
RT: 8.253 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 56 Resp: 318957

Ion	Ratio	Lower	Upper
56	100		
69	34.1	24.6	36.8
84	86.8	71.4	107.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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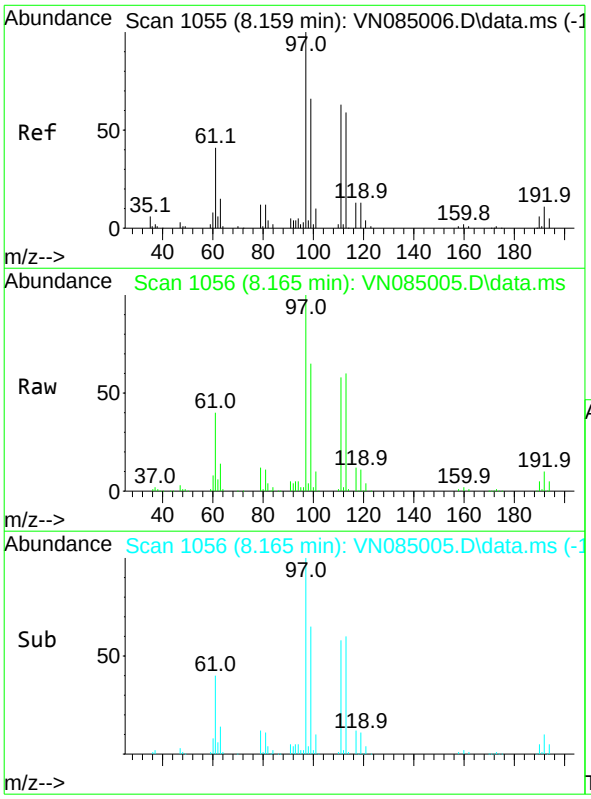
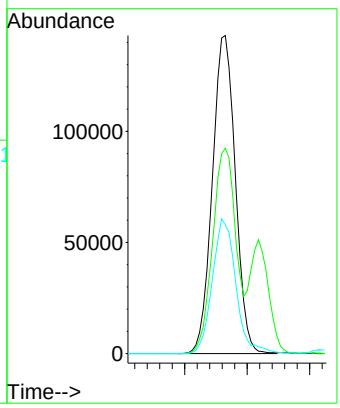
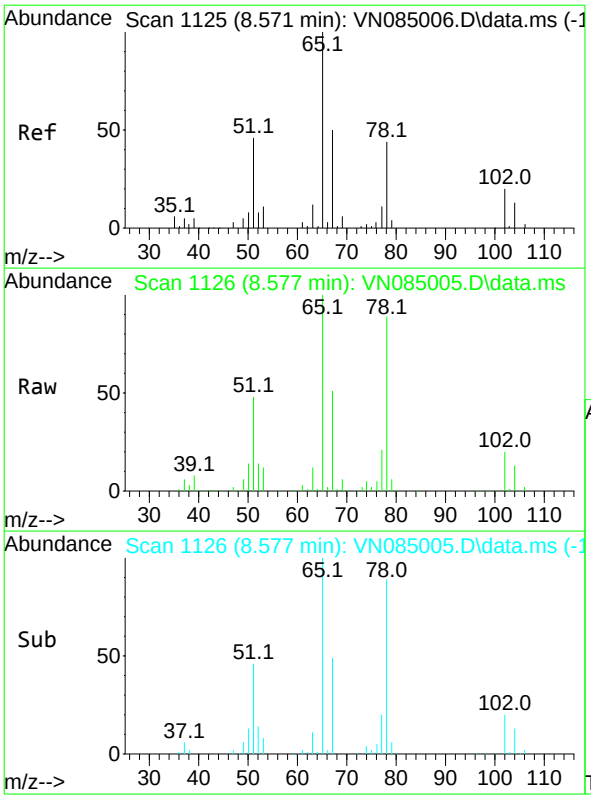


#32
1,1,1-Trichloroethane
Concen: 101.081 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 97 Resp: 365495

Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.0	76.4
61	43.4	36.2	54.2

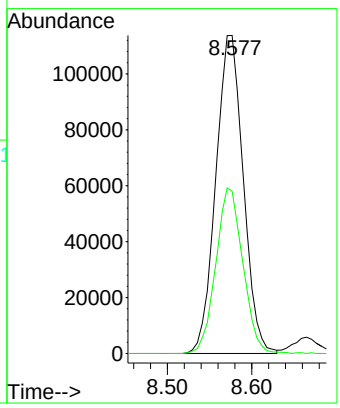




#33
1,2-Dichloroethane-d4
Concen: 103.553 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 65 Resp: 257466

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	105.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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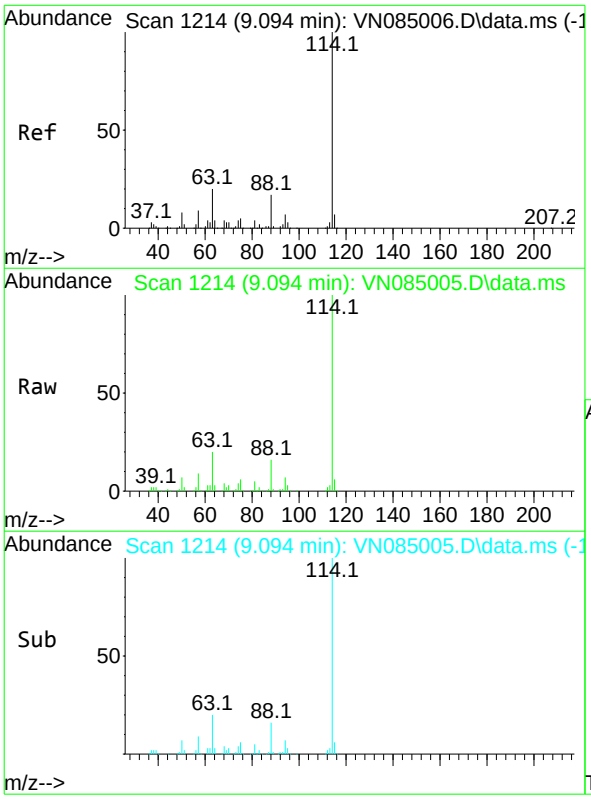
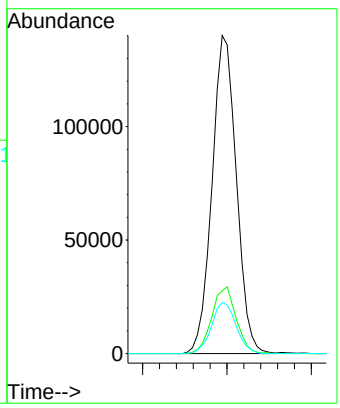
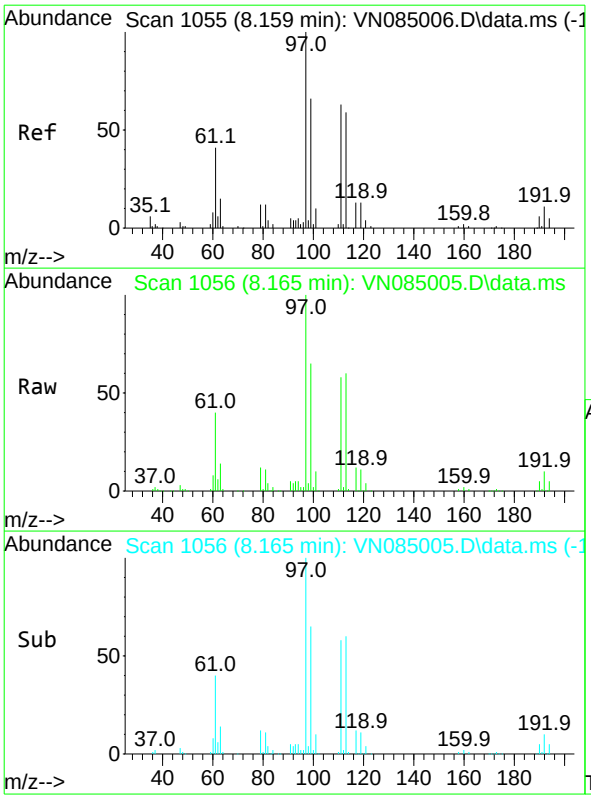


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:114 Resp: 280535

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	41.0
88	16.1	0.0	34.8

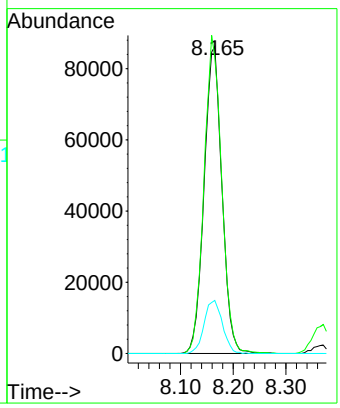




#35
Dibromofluoromethane
Concen: 107.183 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:113 Resp: 202772

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.0	123.0
192	17.7	14.8	22.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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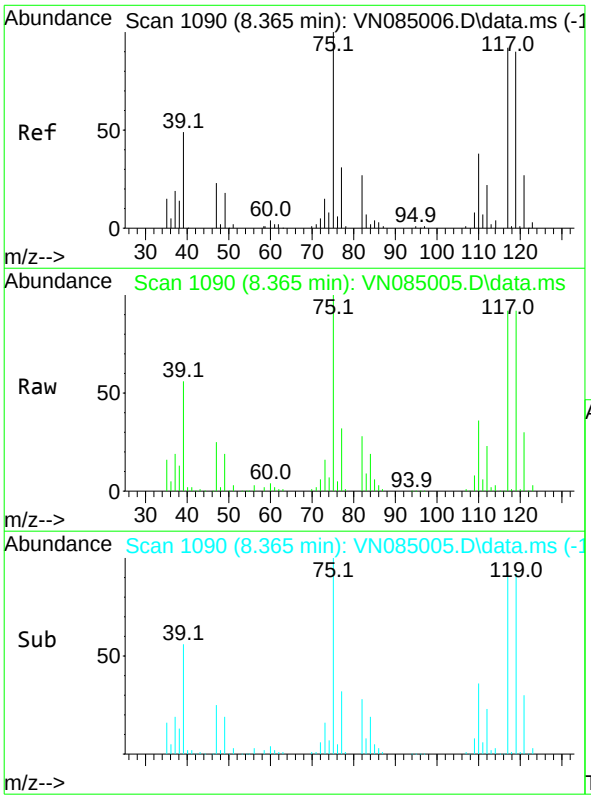
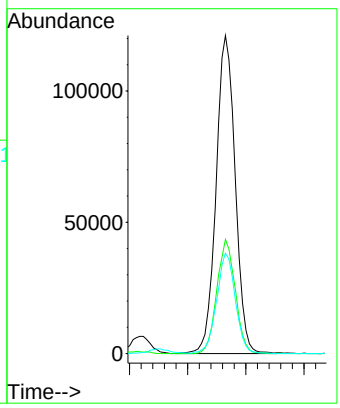
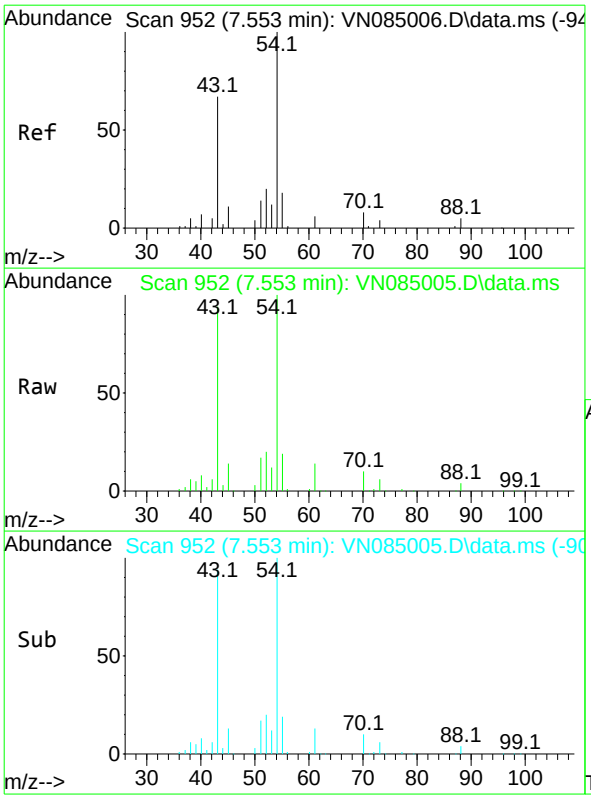


#36
1,1-Dichloropropene
Concen: 107.966 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 276659

Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.2	51.6
77	31.0	24.2	36.4

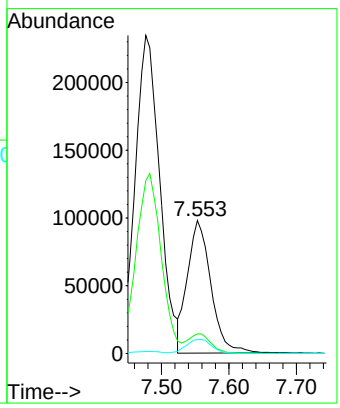




#37
Ethyl Acetate
Concen: 101.478 ug/l
RT: 7.553 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 236399

Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.7	17.5
70	11.6	9.3	13.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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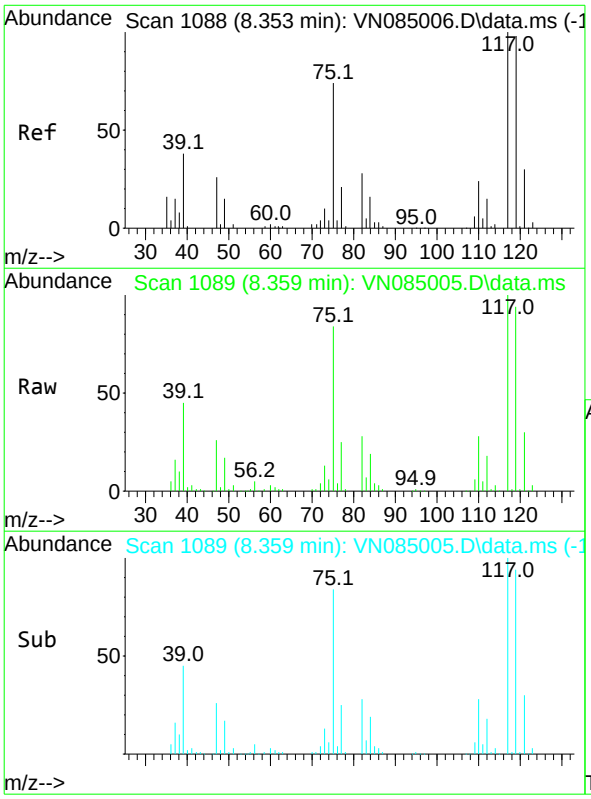
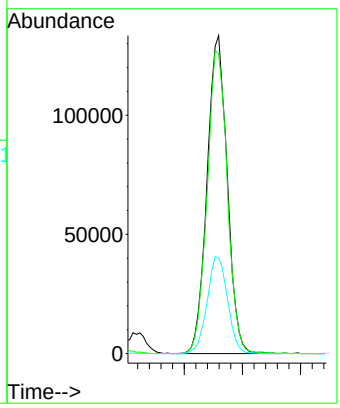
Supervised By :Mahesh Dadoda 11/25/2024

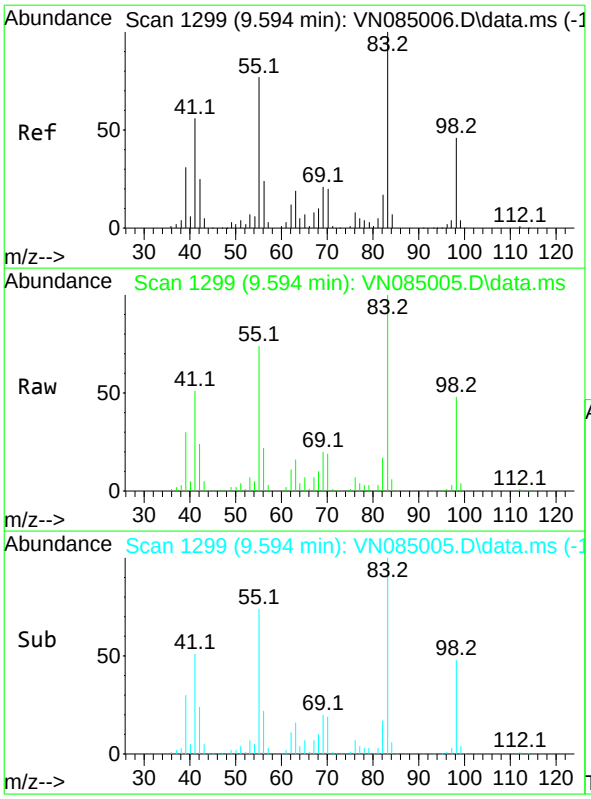


#38
Carbon Tetrachloride
Concen: 108.554 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:117 Resp: 321086

Ion	Ratio	Lower	Upper
117	100		
119	94.1	78.6	117.8
121	30.1	24.2	36.2

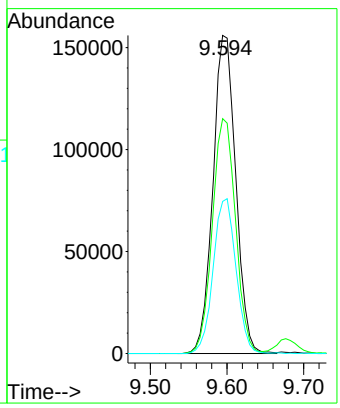




#39
Methylcyclohexane
Concen: 120.983 ug/l
RT: 9.594 min Scan# 12
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 83 Resp: 322151

Ion	Ratio	Lower	Upper
83	100		
55	73.8	61.8	92.6
98	47.8	37.0	55.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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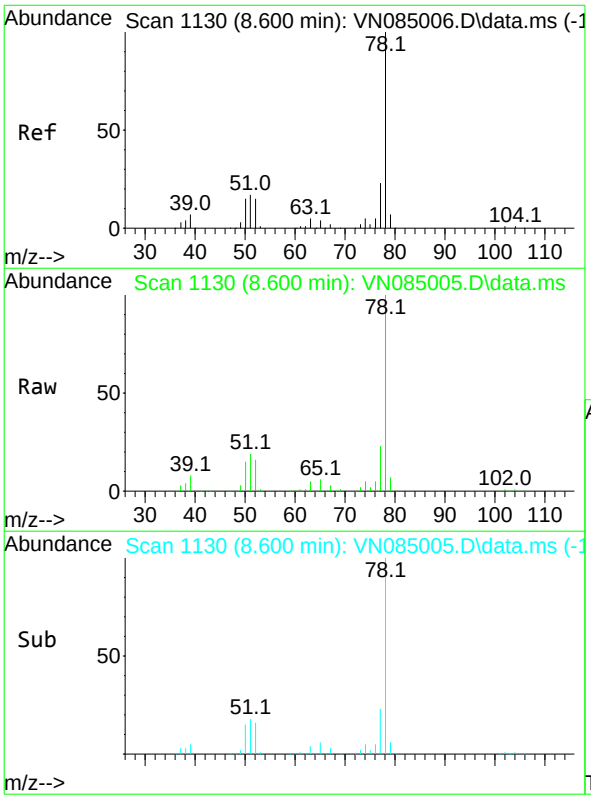
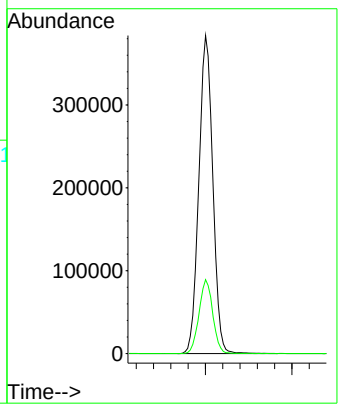
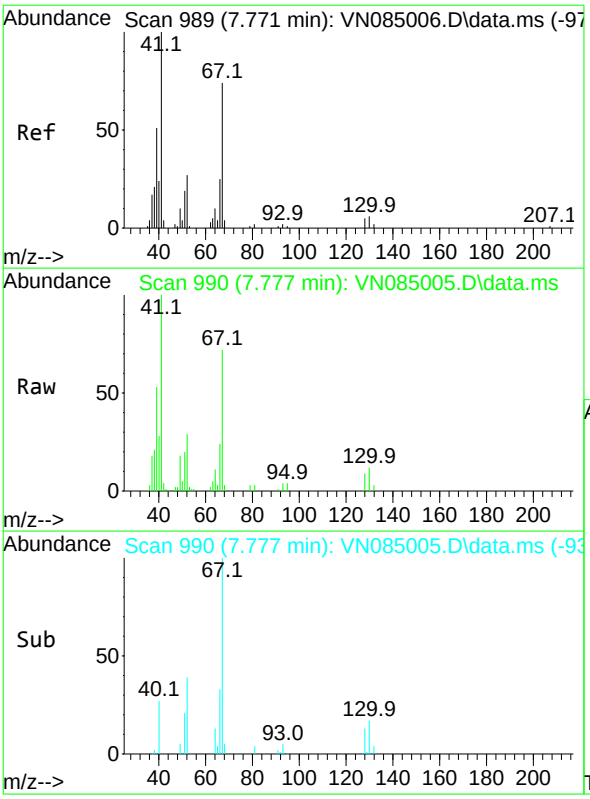


#40
Benzene
Concen: 105.783 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 78 Resp: 857333

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.5	27.7

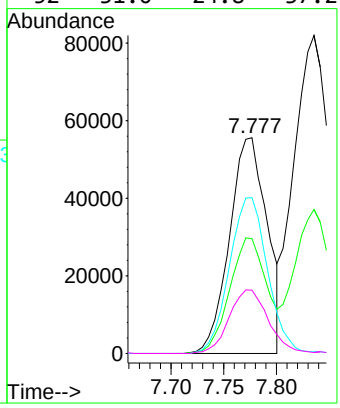




#41
Methacrylonitrile
Concen: 107.026 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 41 Resp: 138044

Ion	Ratio	Lower	Upper
41	100		
39	52.8	42.6	63.8
67	73.5	59.9	89.9
52	31.0	24.8	37.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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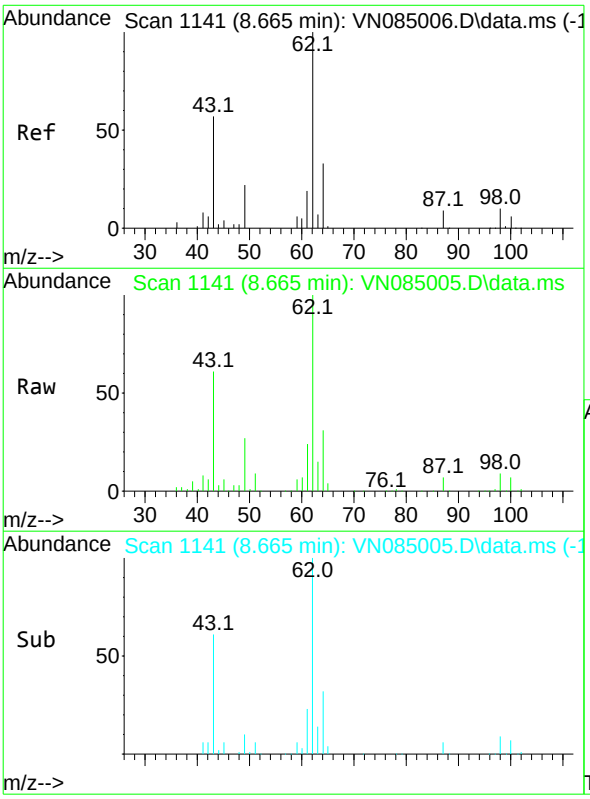
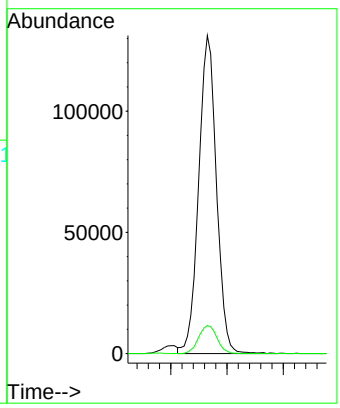
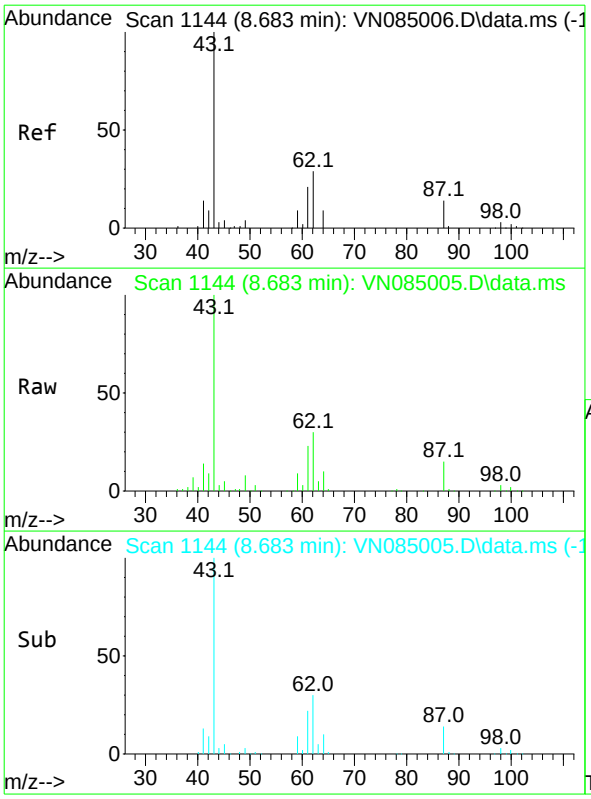


#42
1,2-Dichloroethane
Concen: 103.986 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 62 Resp: 288320

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2

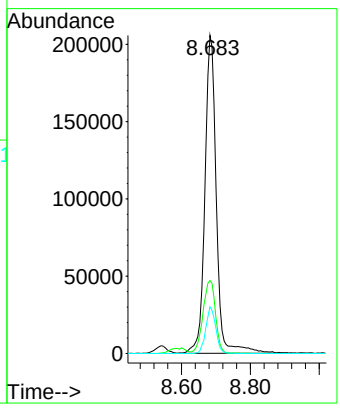




#43
Isopropyl Acetate
Concen: 97.891 ug/l
RT: 8.683 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 473683

Ion	Ratio	Lower	Upper
43	100		
61	24.9	20.6	30.8
87	12.7	11.0	16.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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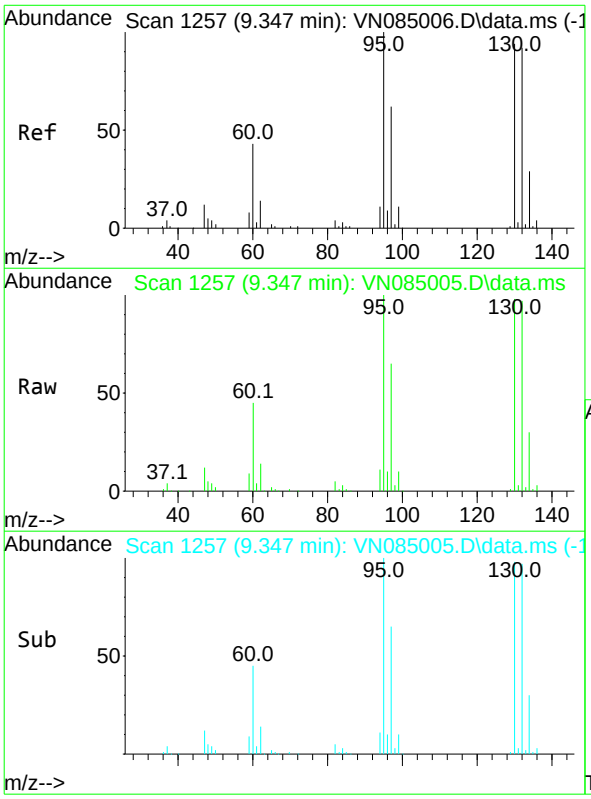
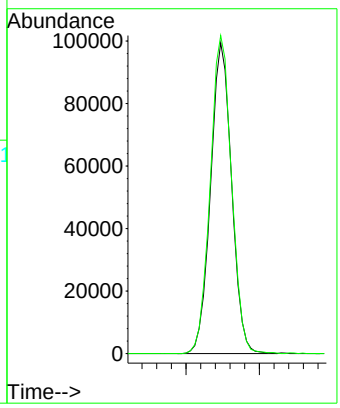
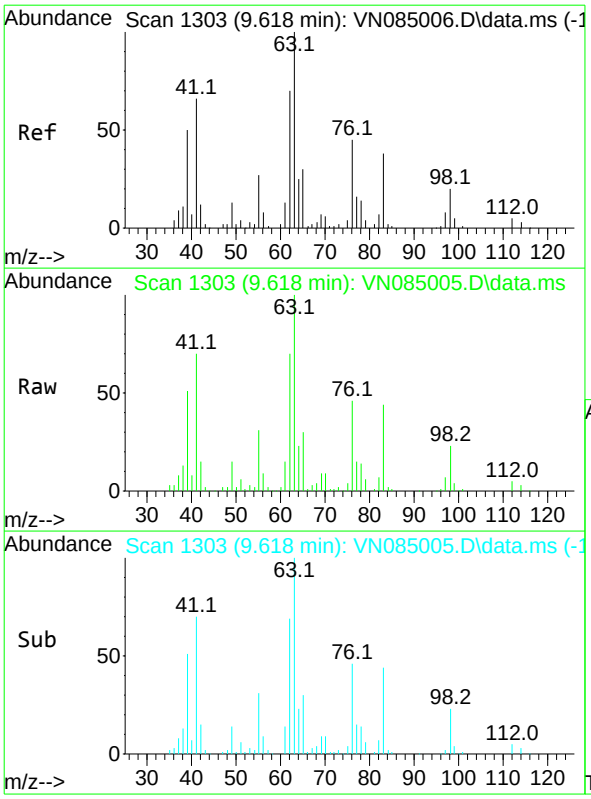


#44
Trichloroethene
Concen: 104.851 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:130 Resp: 197483

Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	213.4

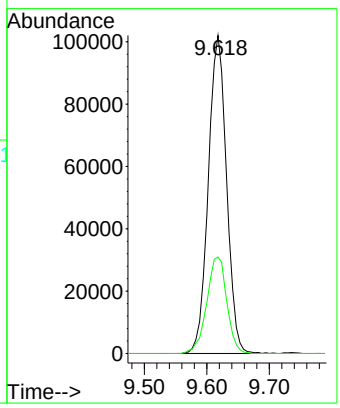




#45
1,2-Dichloropropane
Concen: 103.586 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 63 Resp: 206776

Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.0	36.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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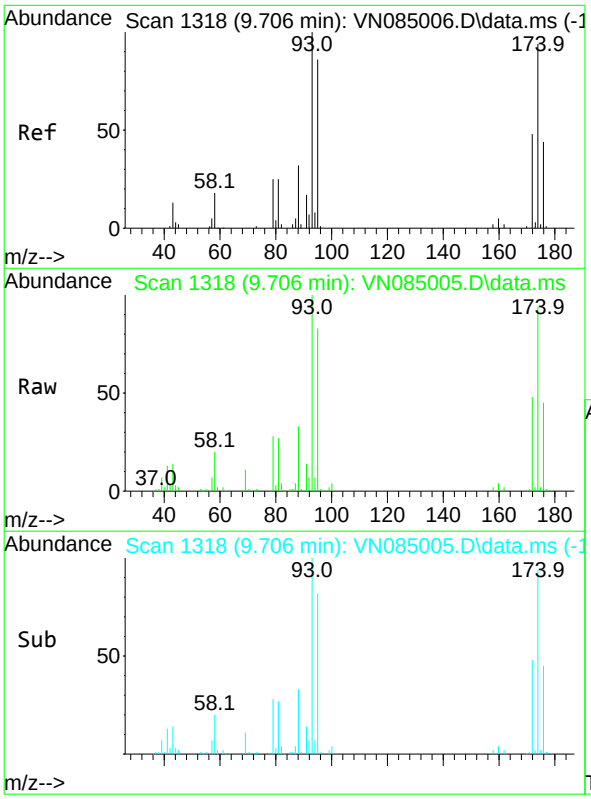
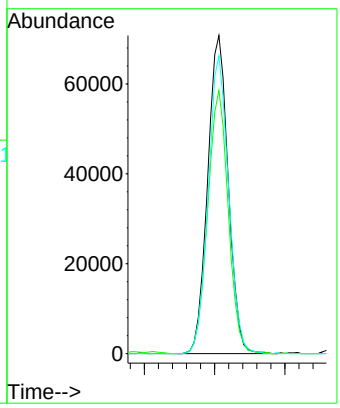
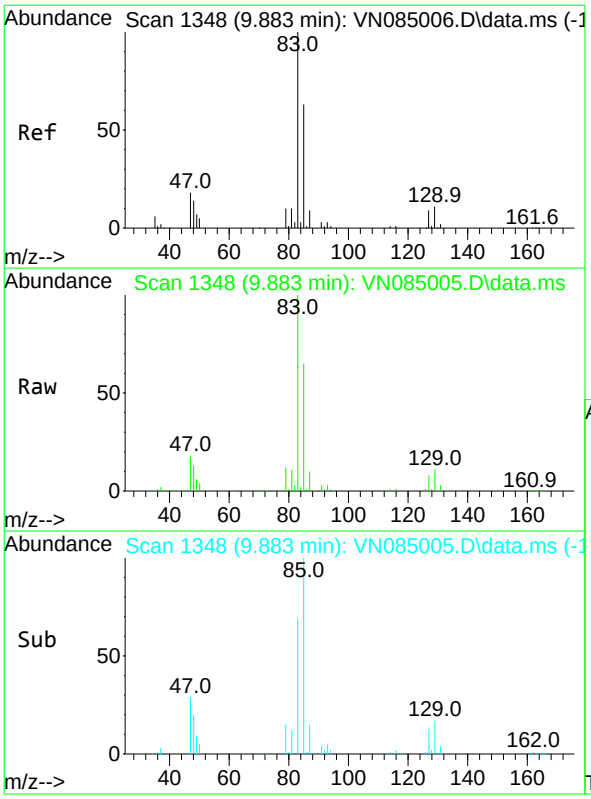


#46
Dibromomethane
Concen: 103.900 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 93 Resp: 144116

Ion	Ratio	Lower	Upper
93	100		
95	82.3	66.2	99.4
174	92.8	74.9	112.3

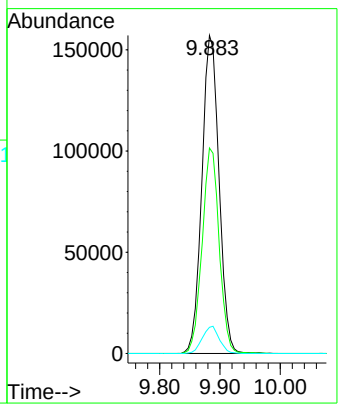




#47
Bromodichloromethane
Concen: 105.641 ug/l
RT: 9.883 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 83 Resp: 310562

Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.5	75.7
127	8.2	7.1	10.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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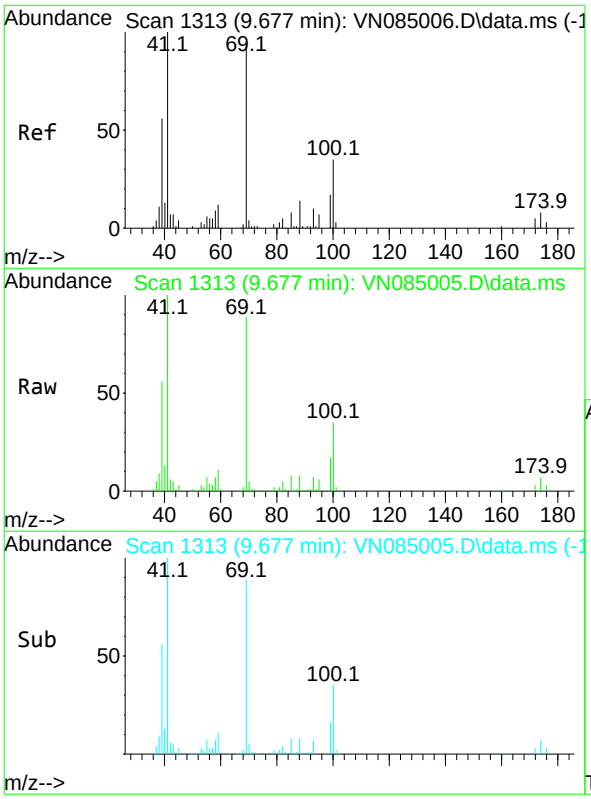
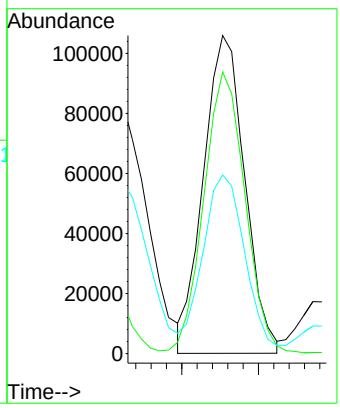
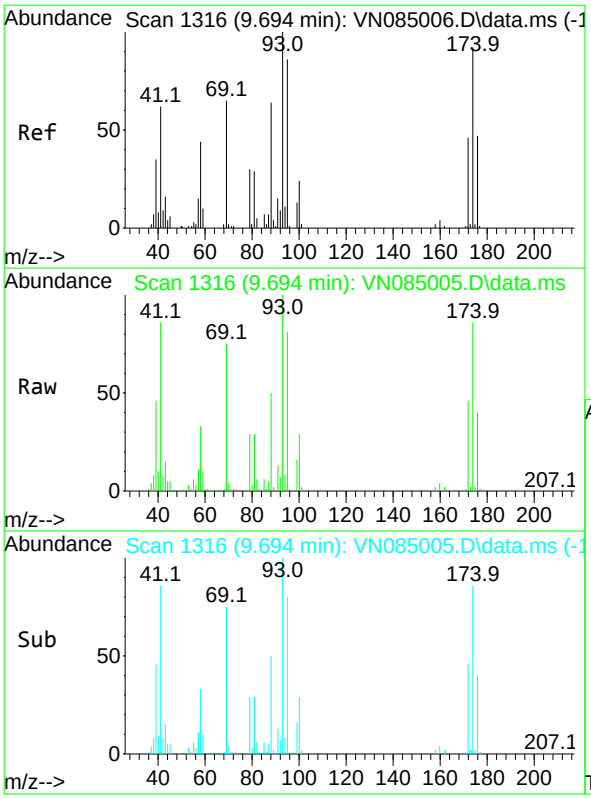


#48
Methyl methacrylate
Concen: 109.847 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 41 Resp: 197798

Ion	Ratio	Lower	Upper
41	100		
69	88.0	73.2	109.8
39	58.1	46.2	69.4

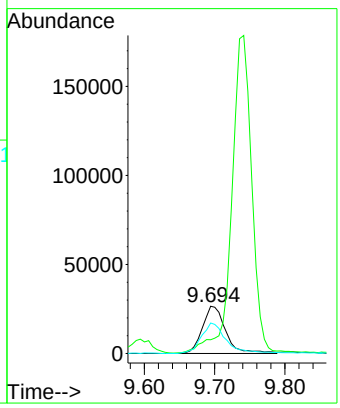




#49
1,4-Dioxane
Concen: 1959.471 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 88 Resp: 61188

Ion	Ratio	Lower	Upper
88	100		
43	0.0	16.7	25.1#
58	69.8	56.5	84.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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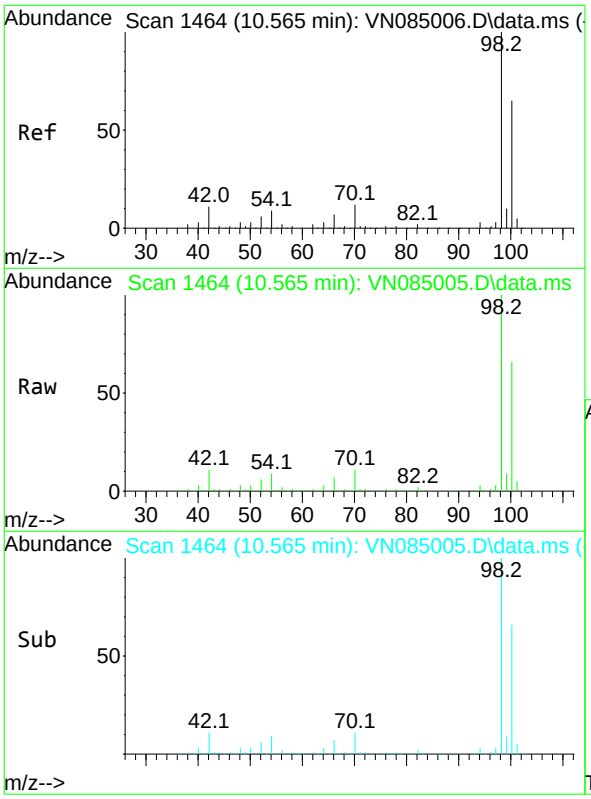
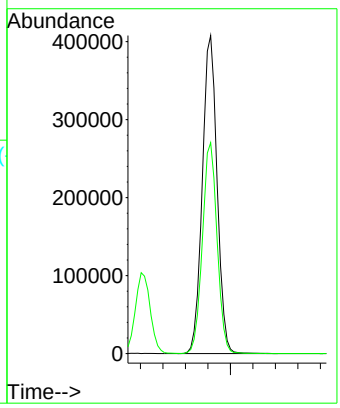
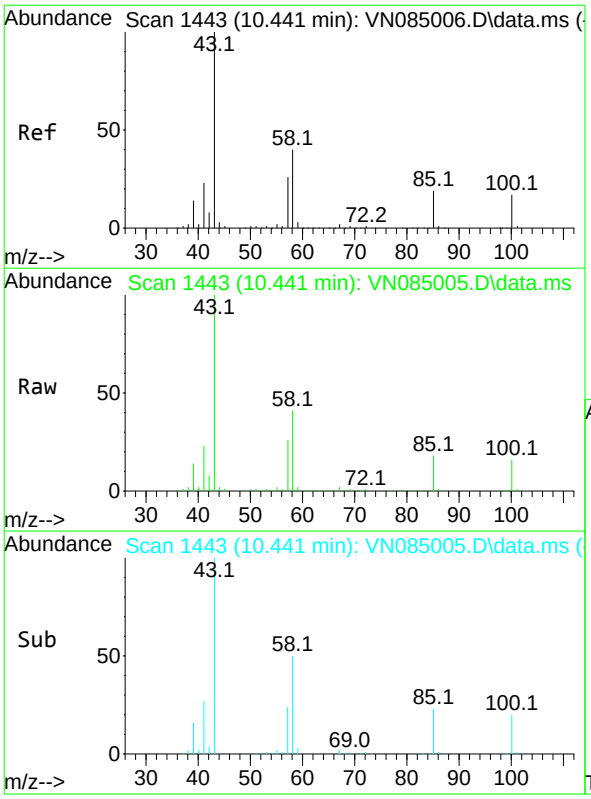


#50
Toluene-d8
Concen: 109.694 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 98 Resp: 743711

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.5	78.7

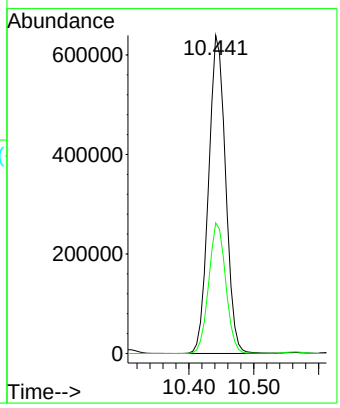




#51
4-Methyl-2-Pentanone
Concen: 525.783 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 1162080

Ion	Ratio	Lower	Upper
43	100		
58	41.0	32.1	48.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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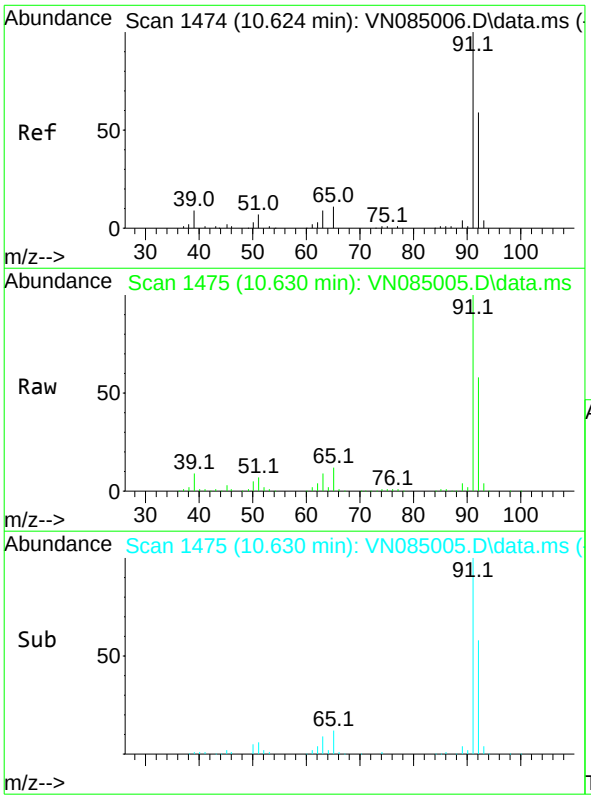
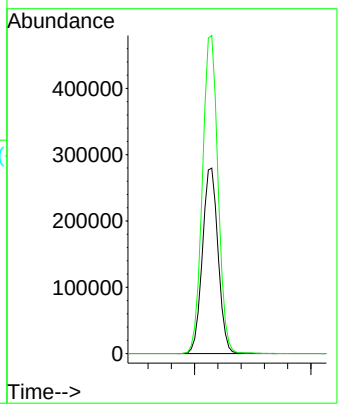
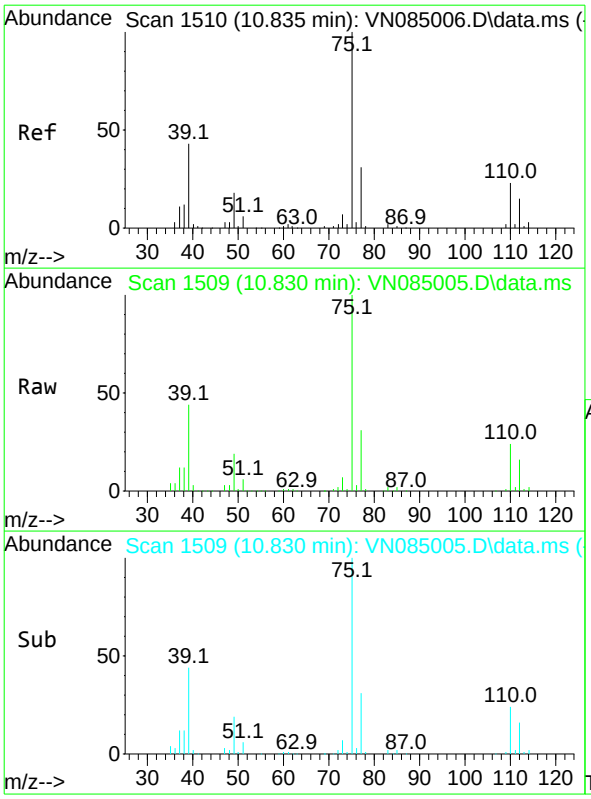


#52
Toluene
Concen: 109.001 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 92 Resp: 522980

Ion	Ratio	Lower	Upper
92	100		
91	170.8	136.7	205.1

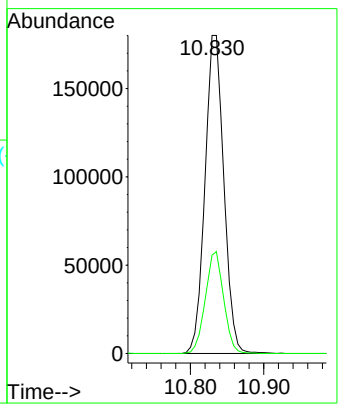




#53
t-1,3-Dichloropropene
Concen: 109.180 ug/l
RT: 10.830 min Scan# 15
Delta R.T. -0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 321790

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.0	37.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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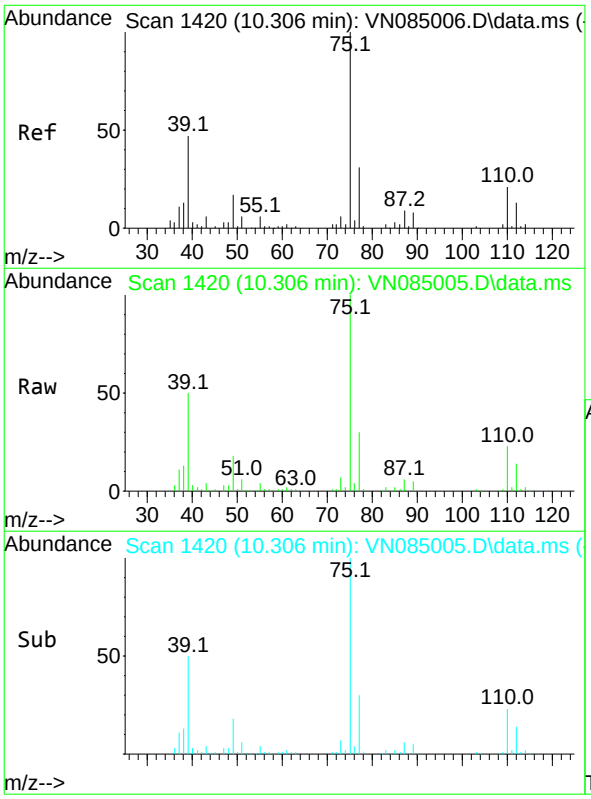
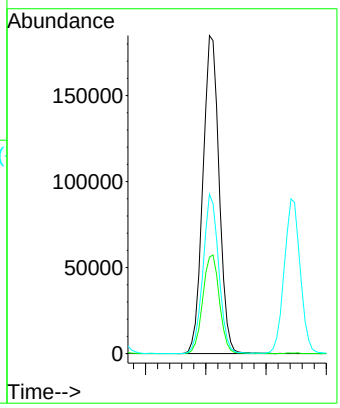
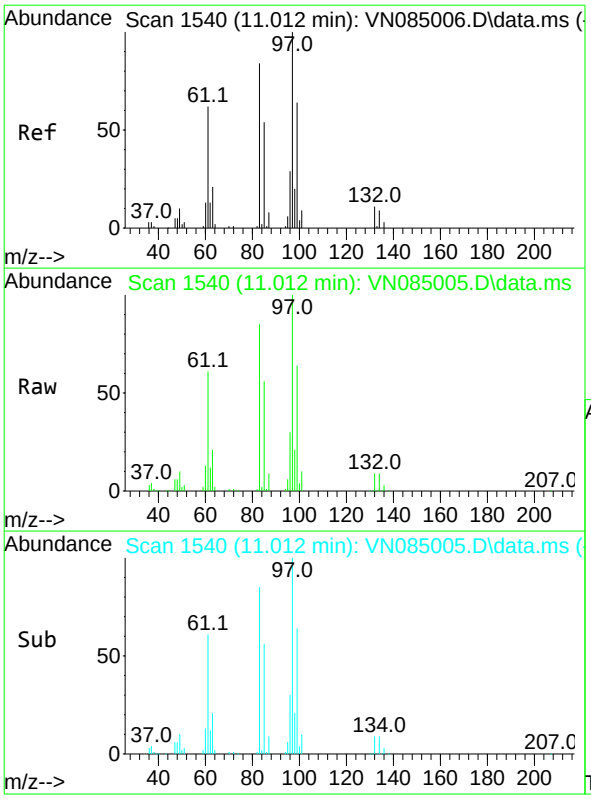


#54
cis-1,3-Dichloropropene
Concen: 110.678 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 346064

Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.0	37.4
39	50.1	37.6	56.4

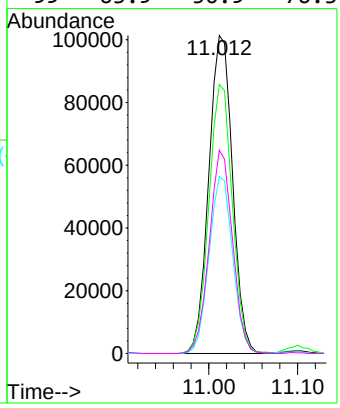




#55
1,1,2-Trichloroethane
Concen: 105.602 ug/l
RT: 11.012 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 97 Resp: 188724

Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.4	101.2
85	55.6	43.1	64.7
99	63.9	50.9	76.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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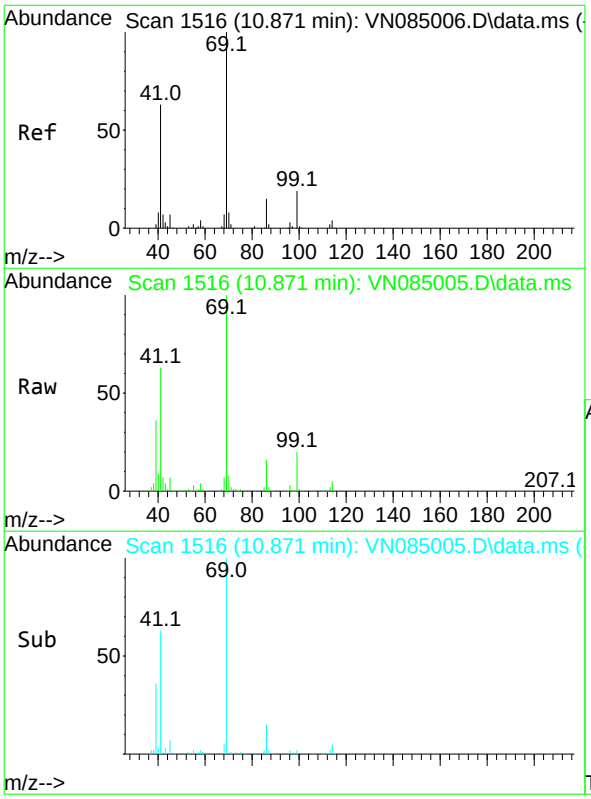
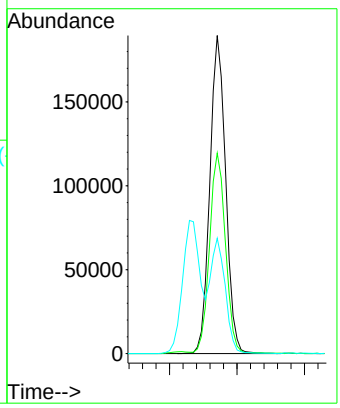
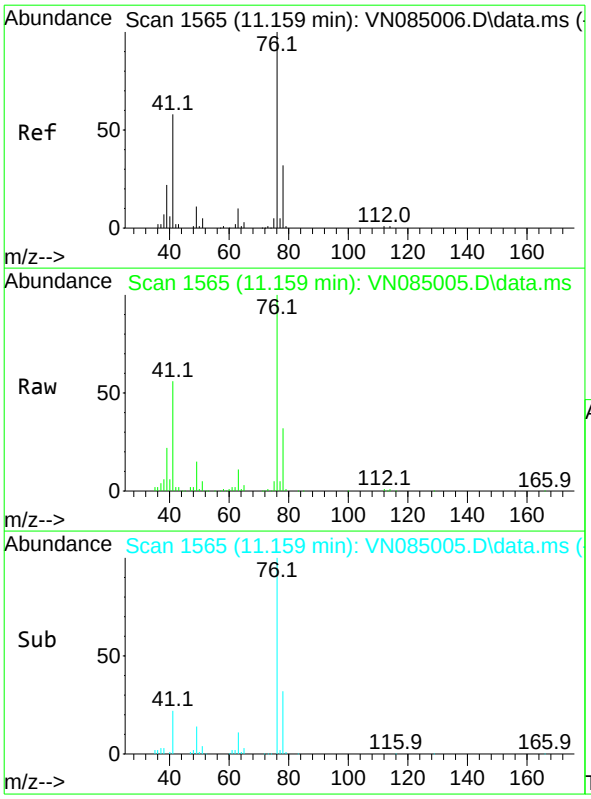


#56
Ethyl methacrylate
Concen: 117.883 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 69 Resp: 307844

Ion	Ratio	Lower	Upper
69	100		
41	63.9	50.0	75.0
39	34.3	27.0	40.6

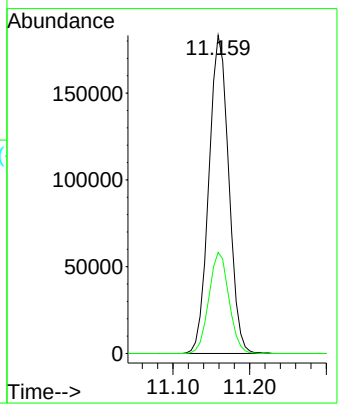




#57
1,3-Dichloropropane
Concen: 104.887 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 76 Resp: 329902

Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.1	39.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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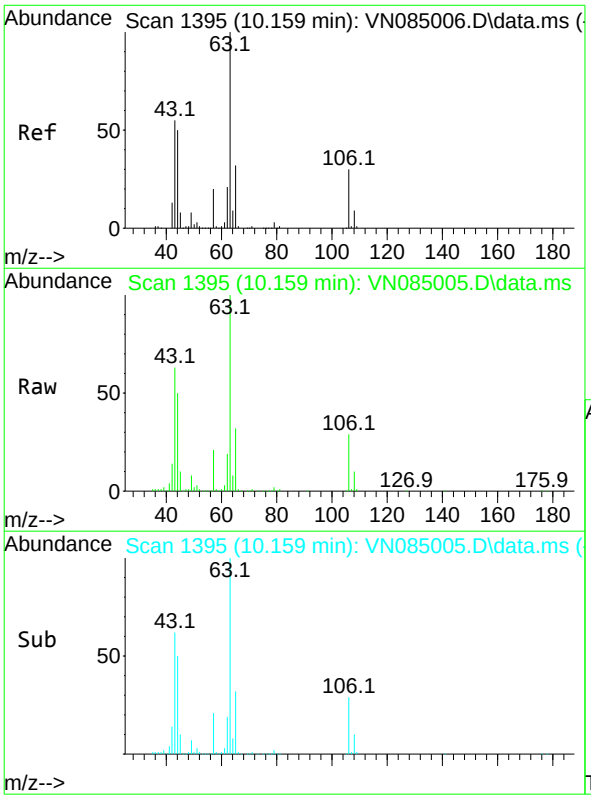
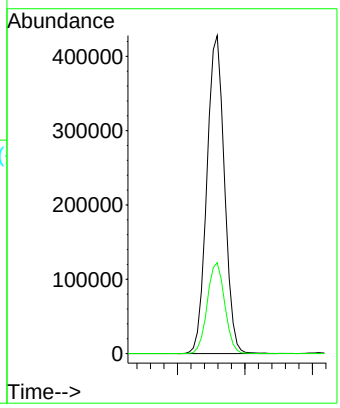
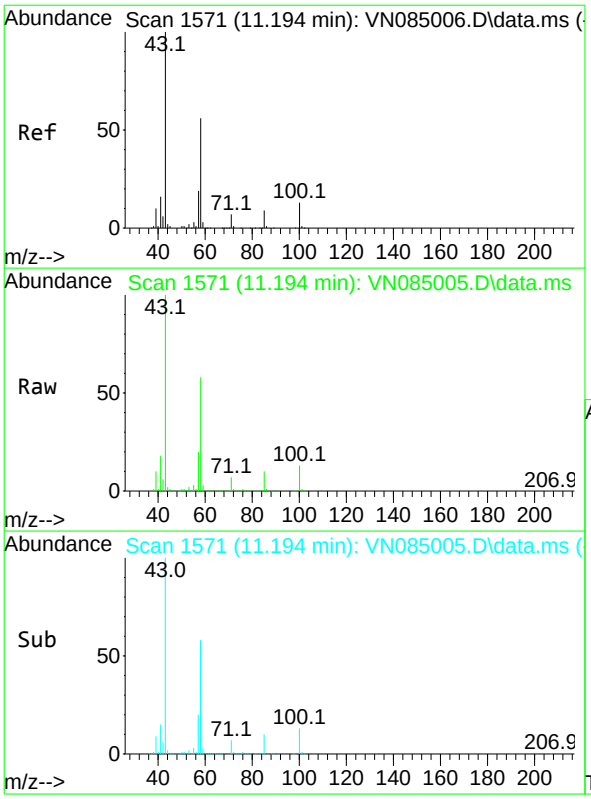


#58
2-Chloroethyl Vinyl ether
Concen: 602.530 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 63 Resp: 771827

Ion	Ratio	Lower	Upper
63	100		
106	28.4	23.0	34.6

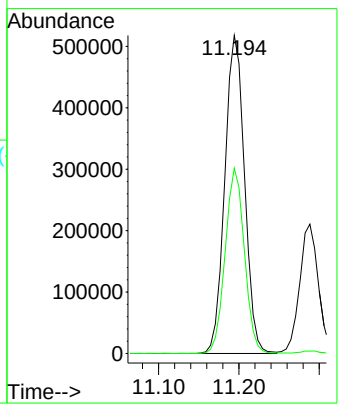




#59
2-Hexanone
Concen: 535.314 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 884879

Ion	Ratio	Lower	Upper
43	100		
58	56.7	28.3	85.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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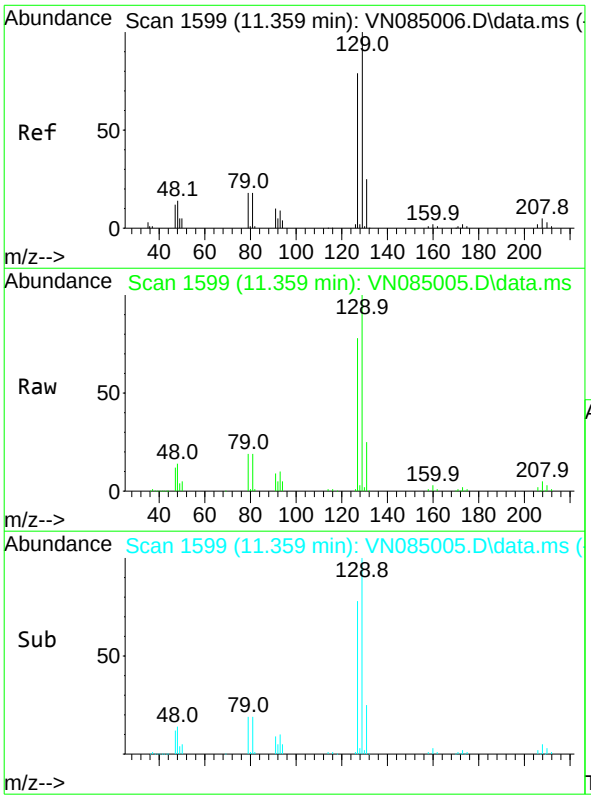
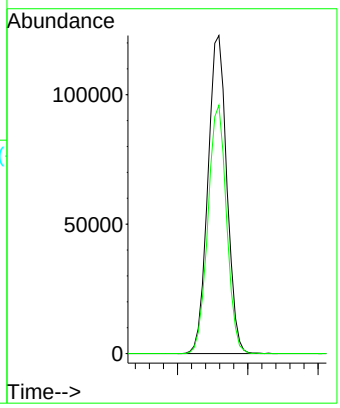
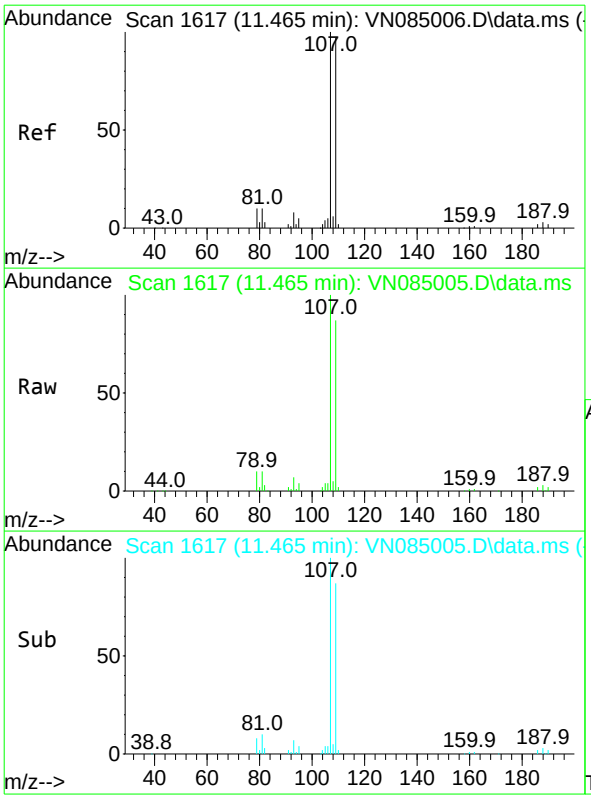


#60
Dibromochloromethane
Concen: 105.249 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:129 Resp: 229875

Ion	Ratio	Lower	Upper
129	100		
127	76.6	39.2	117.6

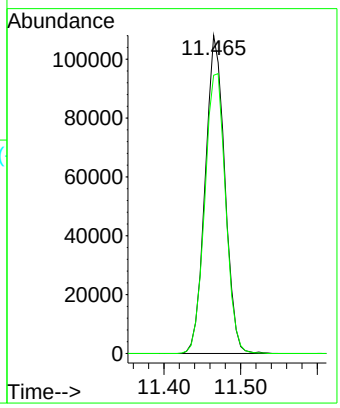




#61
1,2-Dibromoethane
Concen: 103.624 ug/l
RT: 11.465 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:107 Resp: 191654

Ion	Ratio	Lower	Upper
107	100		
109	93.6	76.1	114.1



Instrument :
MSVOA_N
ClientSampleId :
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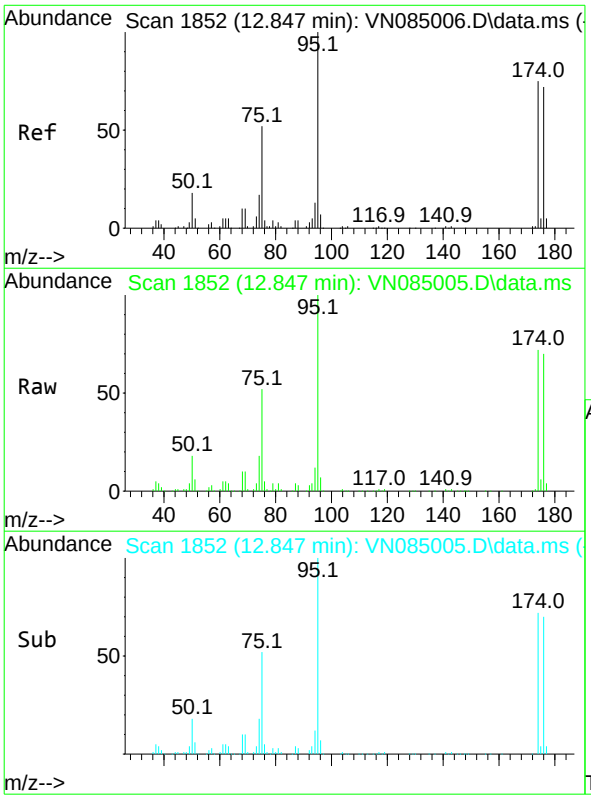
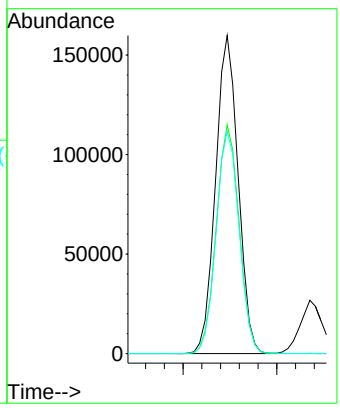
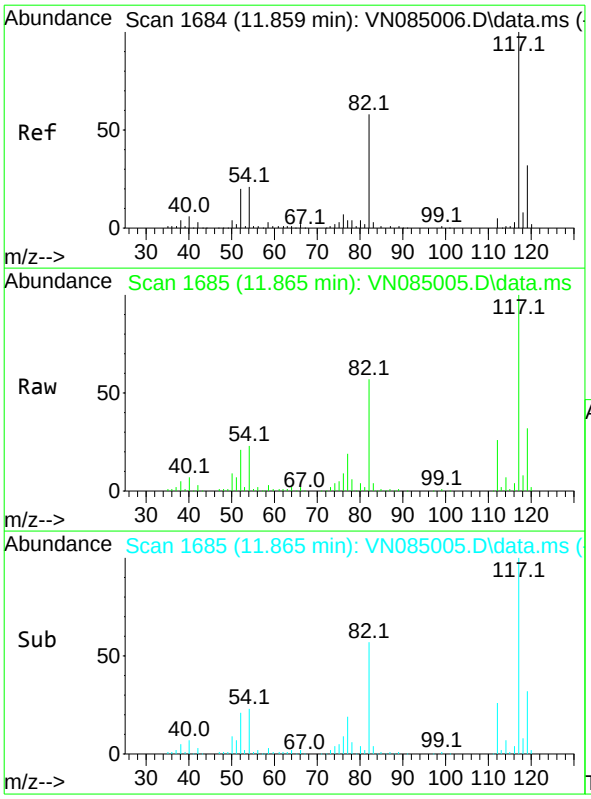


#62
4-Bromofluorobenzene
Concen: 105.236 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 95 Resp: 266822

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	146.6
176	71.2	0.0	141.8

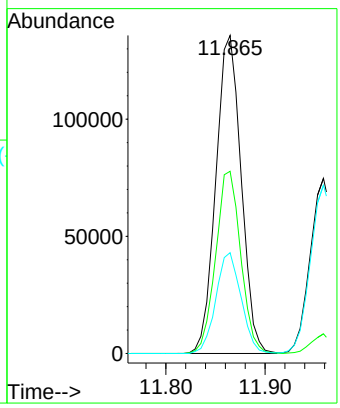




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:117 Resp: 240979

Ion	Ratio	Lower	Upper
117	100		
82	57.3	46.0	69.0
119	31.7	25.6	38.4



Instrument :
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ClientSampleId :
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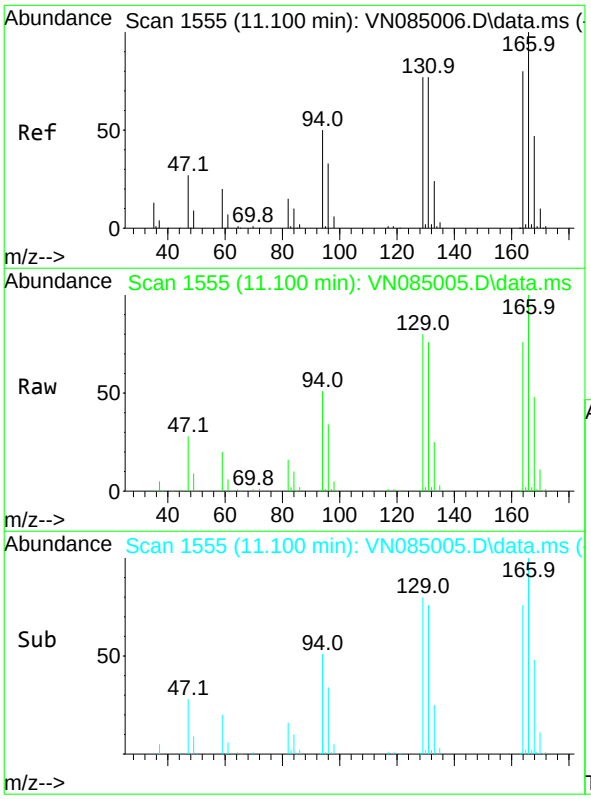
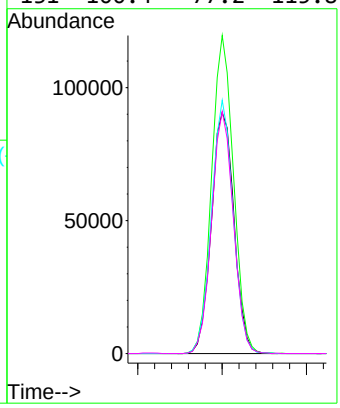
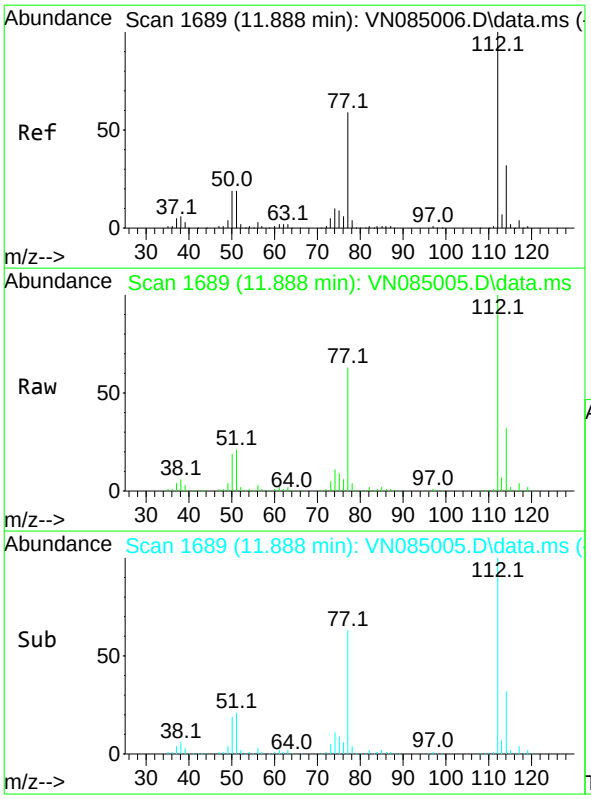


#64
Tetrachloroethene
Concen: 104.032 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:164 Resp: 168926

Ion	Ratio	Lower	Upper
164	100		
166	131.9	100.6	151.0
129	105.1	77.7	116.5
131	100.4	77.2	115.8

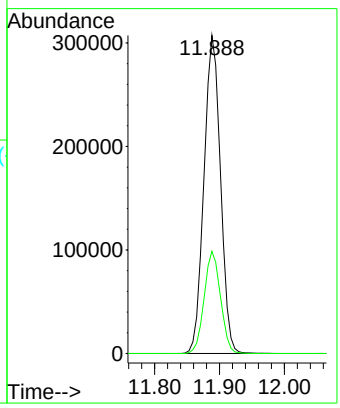




#65
Chlorobenzene
Concen: 99.452 ug/l
RT: 11.888 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:112 Resp: 543518

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
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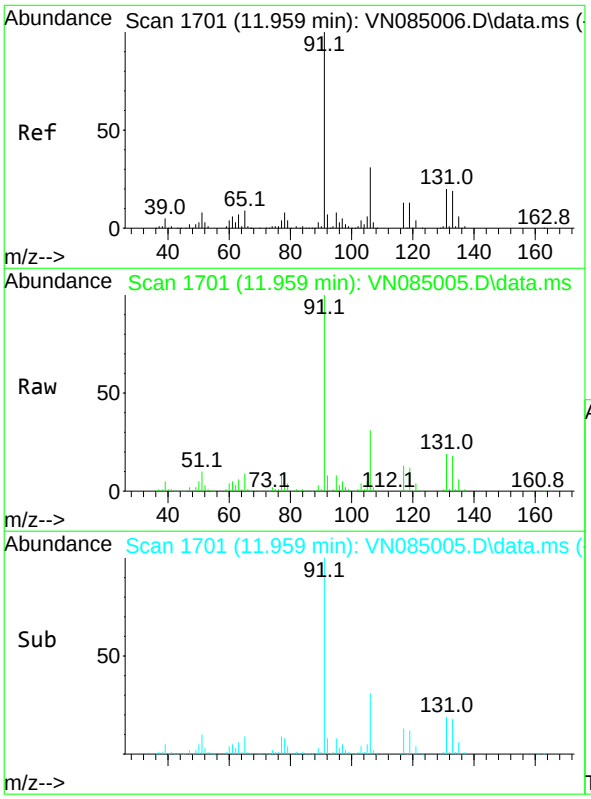
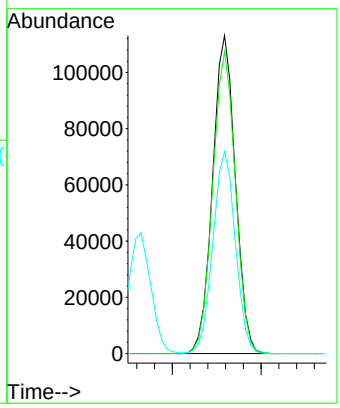
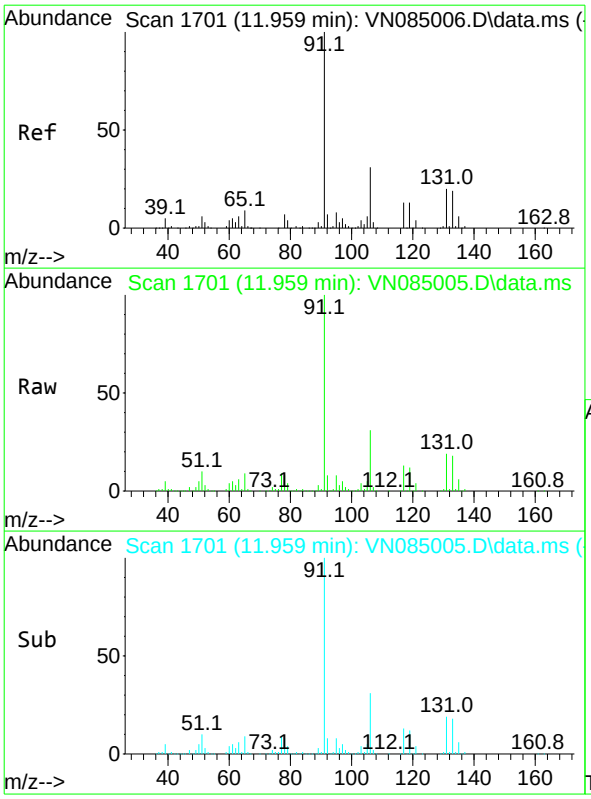


#66
1,1,1,2-Tetrachloroethane
Concen: 104.459 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:131 Resp: 201000

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.8	143.4
119	63.0	32.1	96.3

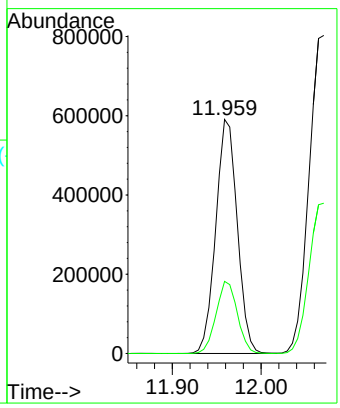




#67
Ethyl Benzene
Concen: 112.113 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 91 Resp: 994049

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.7	37.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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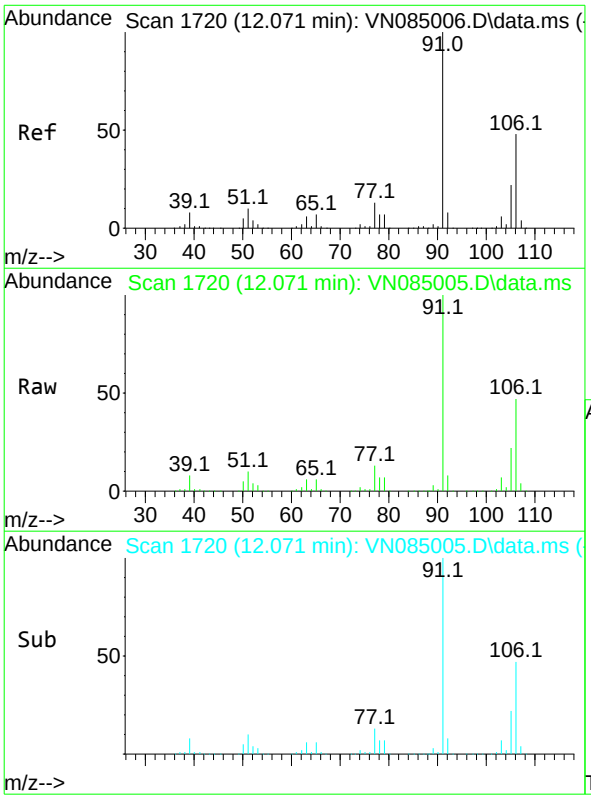
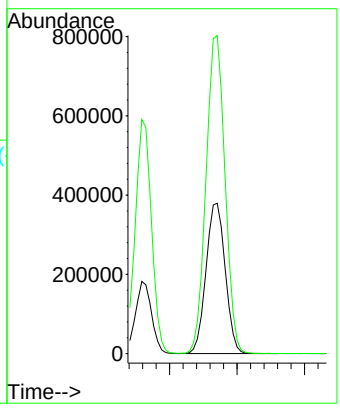
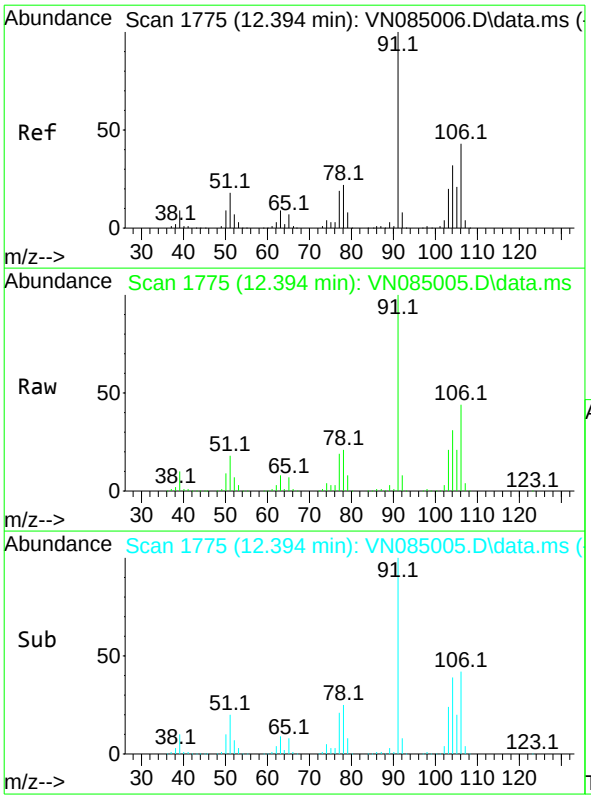


#68
m/p-Xylenes
Concen: 222.116 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:106 Resp: 749782

Ion	Ratio	Lower	Upper
106	100		
91	209.5	168.0	252.0

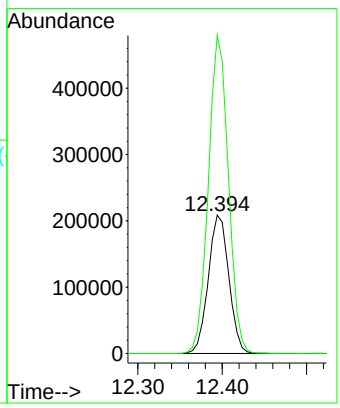




#69
o-Xylene
Concen: 110.070 ug/l
RT: 12.394 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:106 Resp: 353441

Ion	Ratio	Lower	Upper
106	100		
91	223.7	110.7	331.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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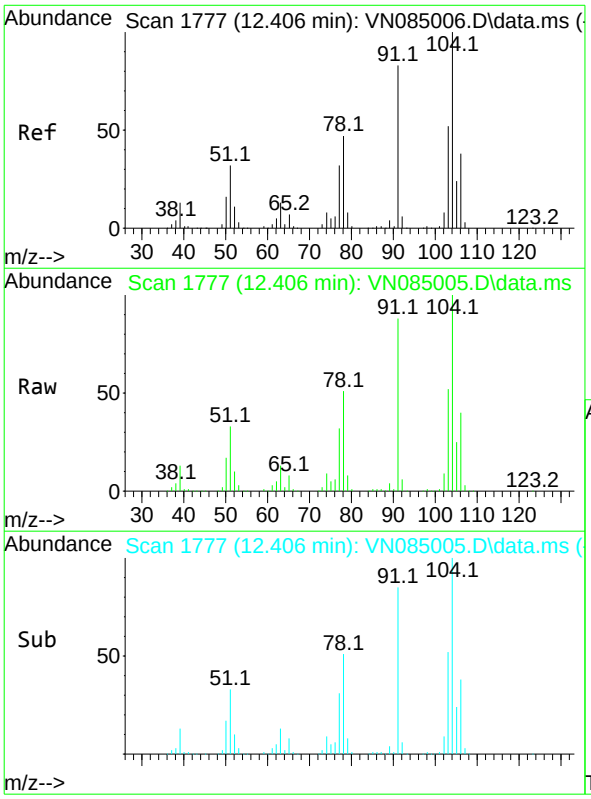
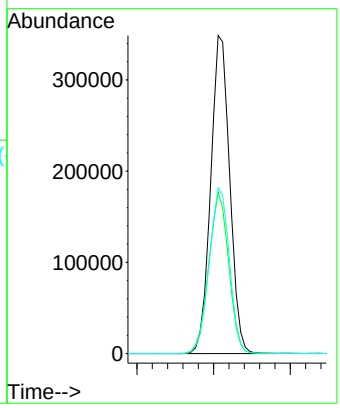
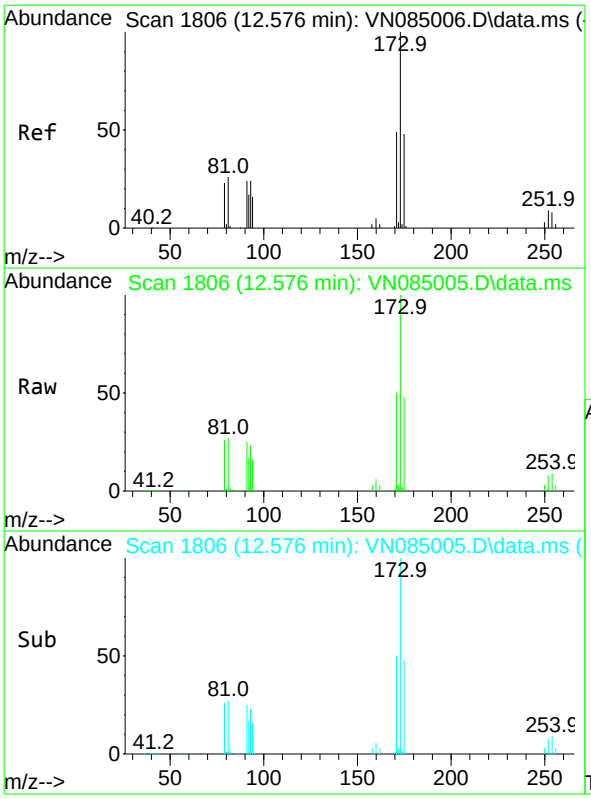


#70
Styrene
Concen: 112.600 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:104 Resp: 601271

Ion	Ratio	Lower	Upper
104	100		
78	53.0	42.3	63.5
103	55.2	44.2	66.2

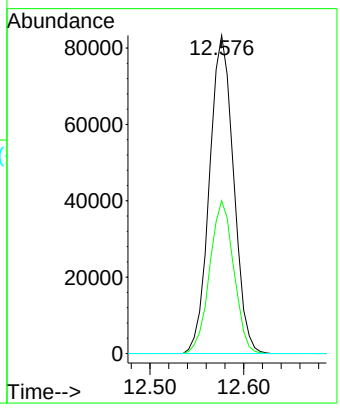




#71
Bromoform
Concen: 104.234 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:173 Resp: 148879

Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.8	71.2
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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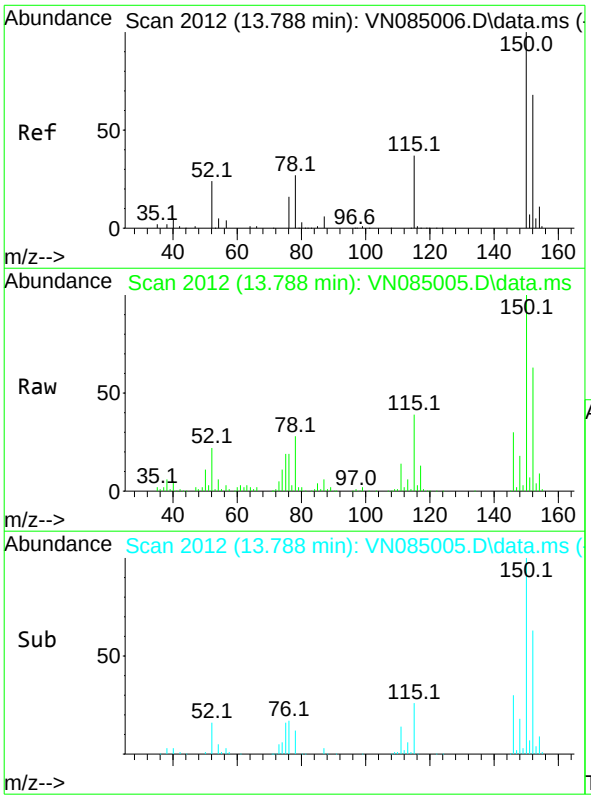
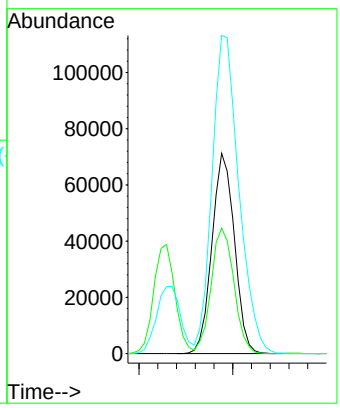
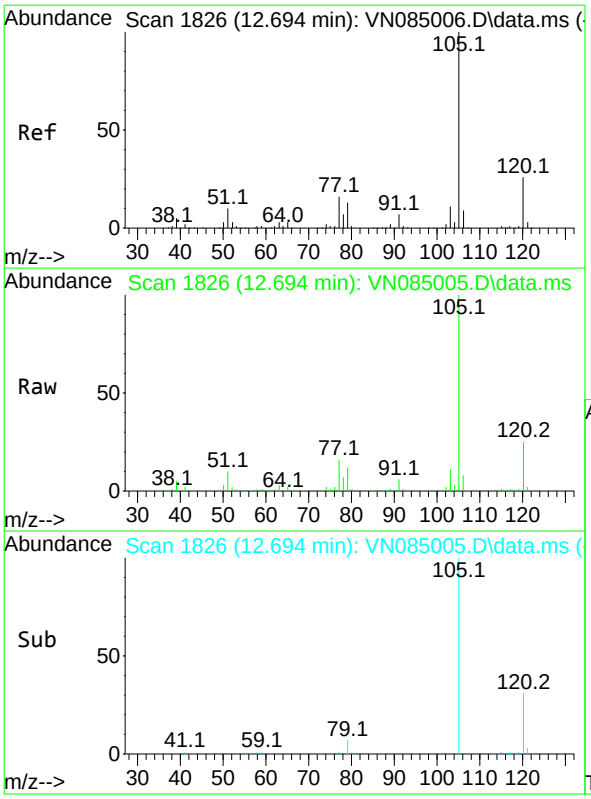


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:152 Resp: 118591

Ion	Ratio	Lower	Upper
152	100		
115	63.4	31.7	95.1
150	189.7	0.0	351.4

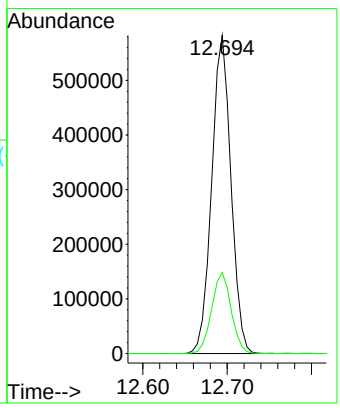




#73
Isopropylbenzene
Concen: 110.216 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:105 Resp: 922085

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.0	39.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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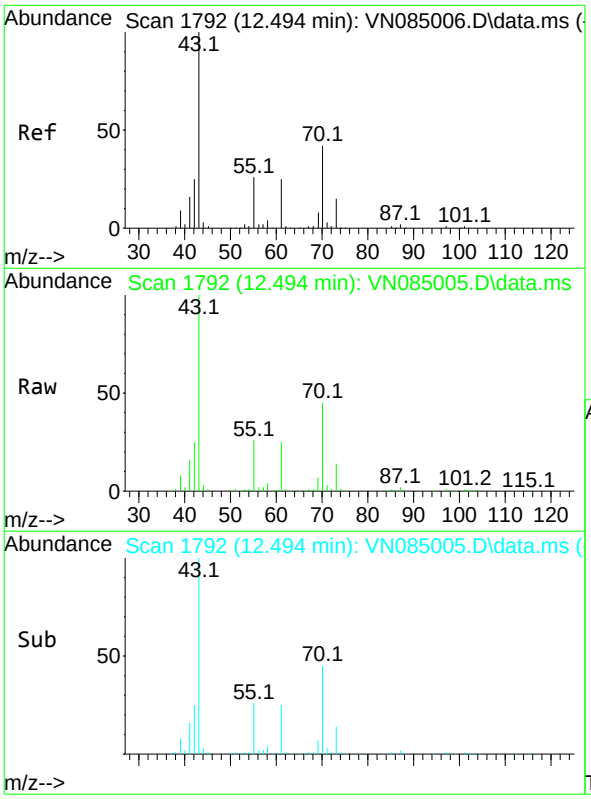
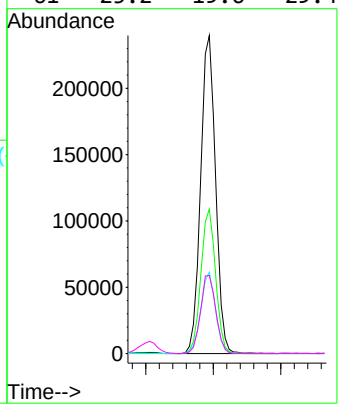
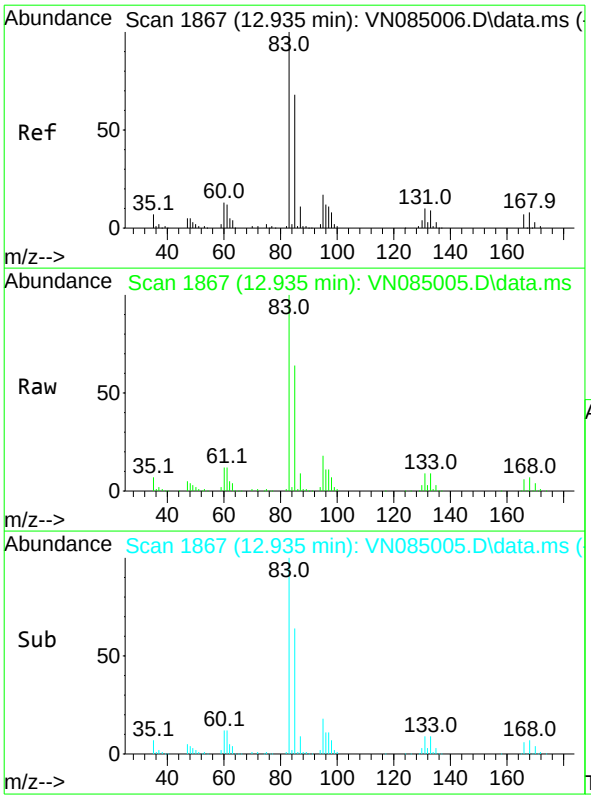


#74
N-amyl acetate
Concen: 106.820 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 368260

Ion	Ratio	Lower	Upper
43	100		
70	44.7	34.6	51.8
55	25.2	20.5	30.7
61	25.2	19.6	29.4





#75
1,1,2,2-Tetrachloroethane
Concen: 89.359 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 83 Resp: 255286

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.1	15.4
85	64.9	32.1	96.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
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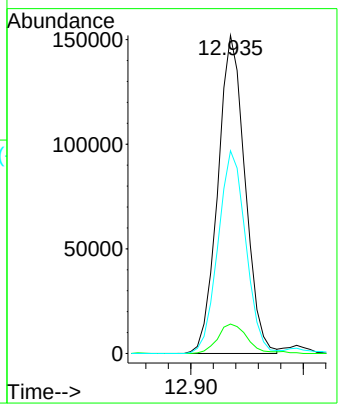
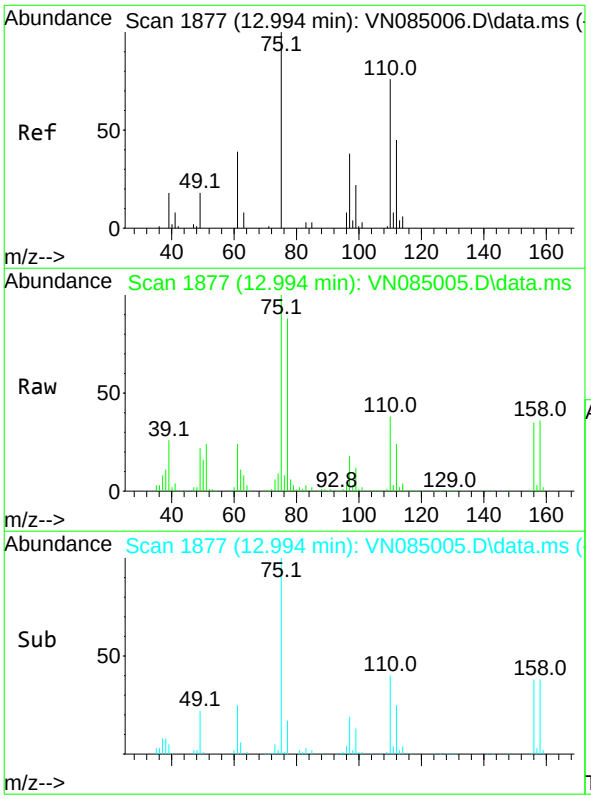
Supervised By :Mahesh Dadoda 11/25/2024

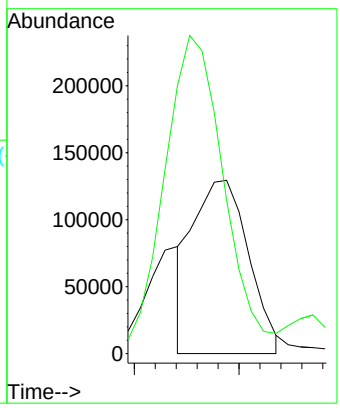


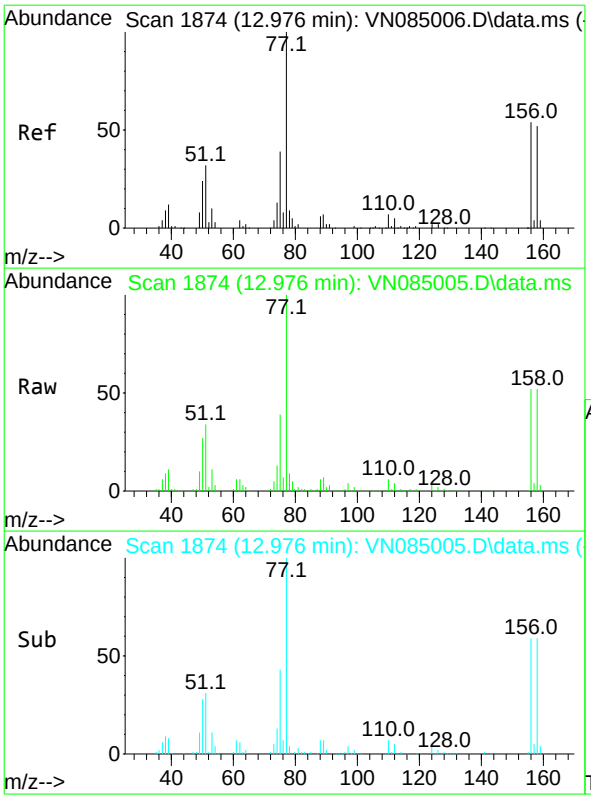


#76
1,2,3-Trichloropropane
Concen: 107.901 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 239373

Ion	Ratio	Lower	Upper
75	100		
77	197.4	109.1	327.4

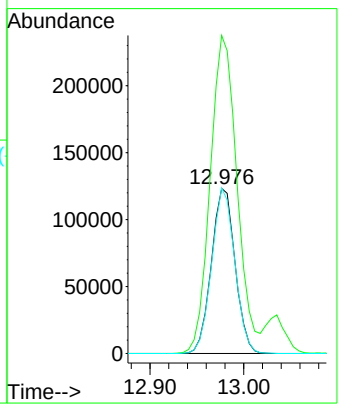




#77
Bromobenzene
Concen: 95.881 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:156 Resp: 215866

Ion	Ratio	Lower	Upper
156	100		
77	218.8	107.2	321.6
158	98.1	48.5	145.6



Instrument :
MSVOA_N
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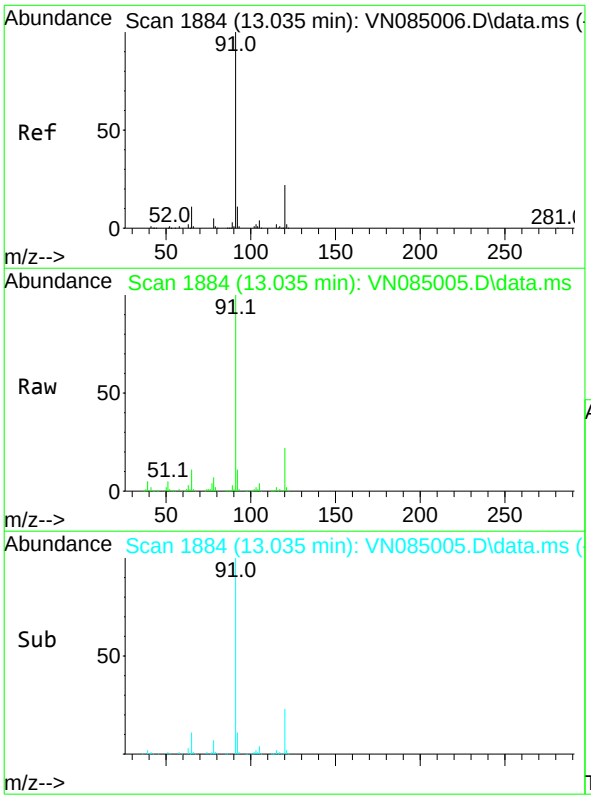
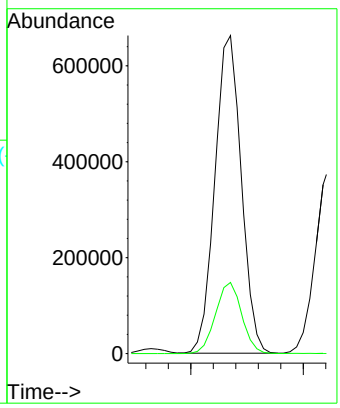
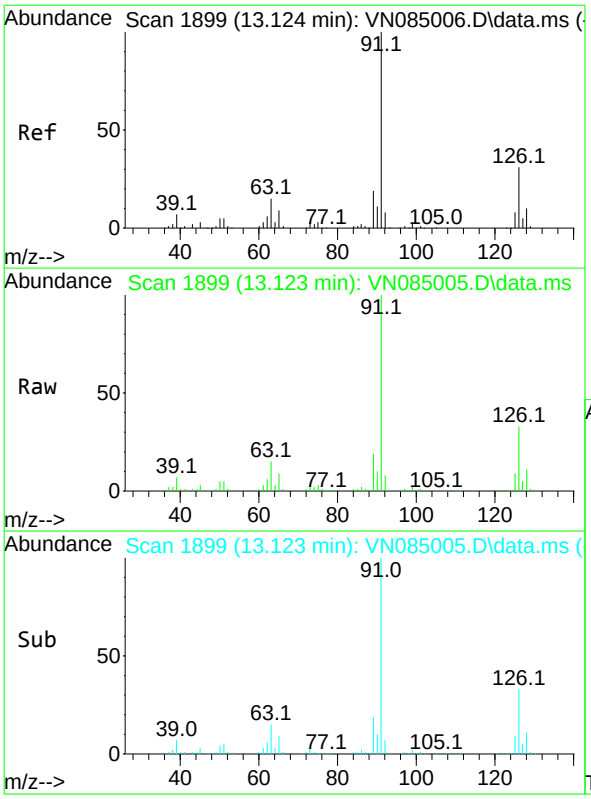


#78
n-propylbenzene
Concen: 111.753 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 91 Resp: 1078373

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.3	33.9

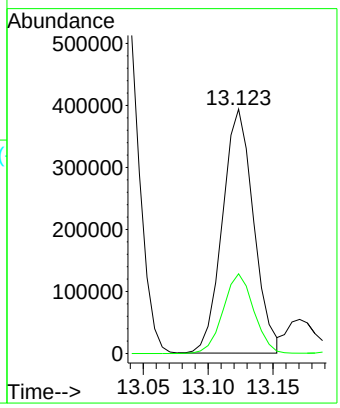




#79
2-Chlorotoluene
Concen: 102.230 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 91 Resp: 658525

Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.1	48.3



Instrument :
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ClientSampleId :
VSTDICC100

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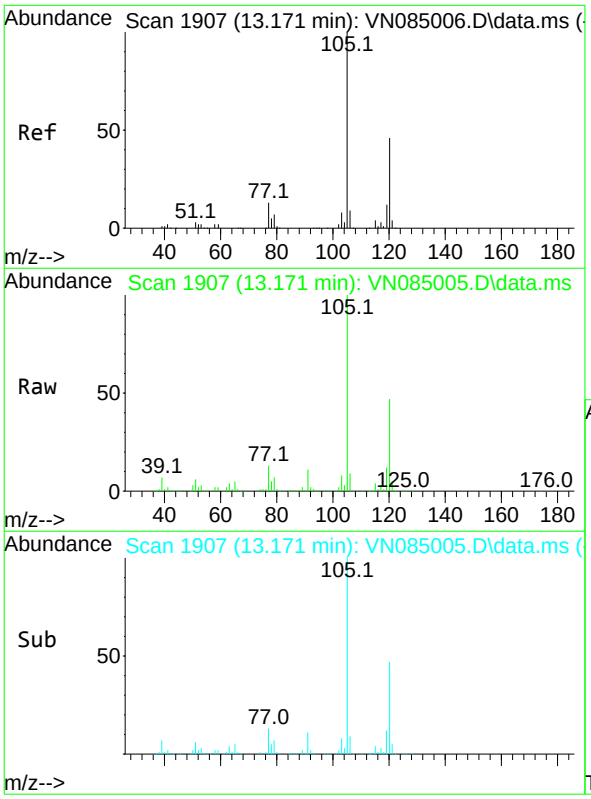
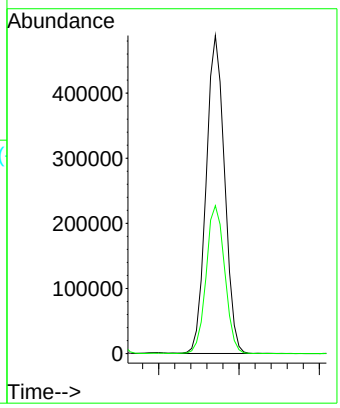
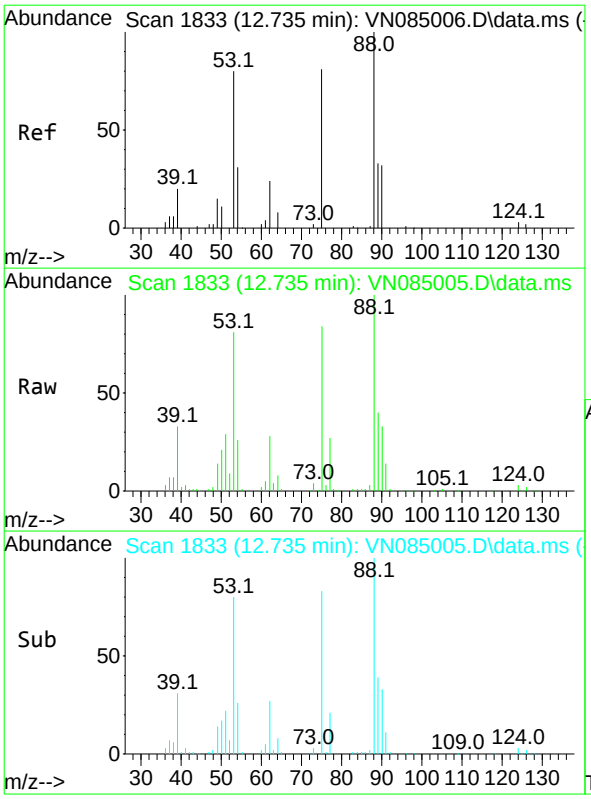


#80
1,3,5-Trimethylbenzene
Concen: 110.573 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:105 Resp: 776252

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.6	71.0





#81
trans-1,4-Dichloro-2-butene
Concen: 104.513 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 99218

Ion	Ratio	Lower	Upper
75	100		
53	93.8	78.2	117.4
89	45.5	37.9	56.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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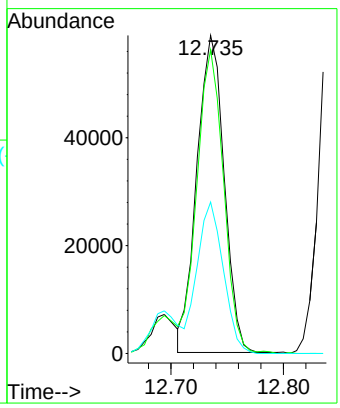
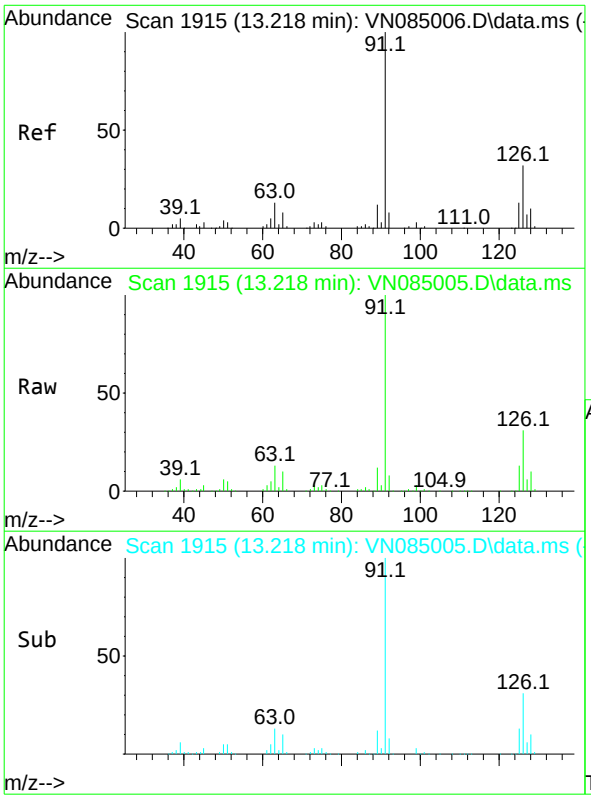
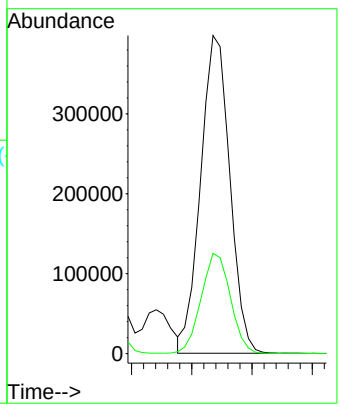


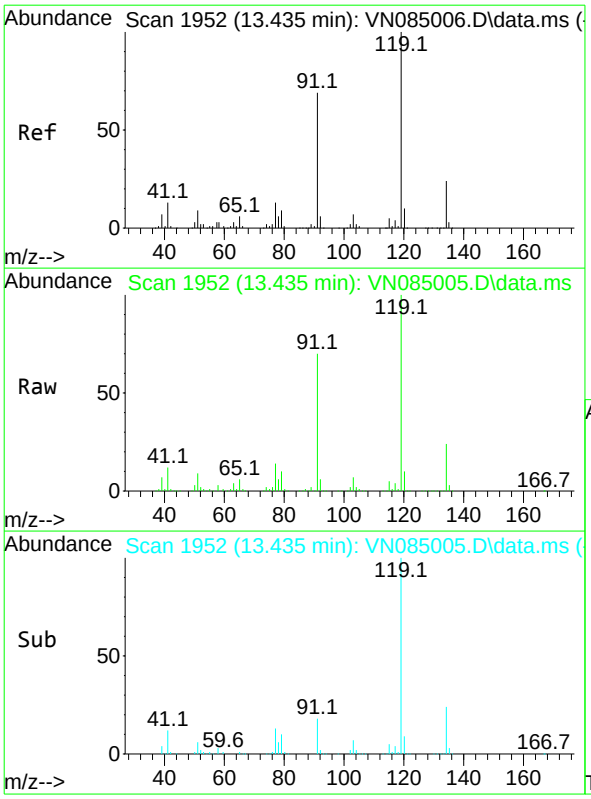


#82
4-Chlorotoluene
Concen: 99.811 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 91 Resp: 669311

Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.1	48.3





#83
tert-Butylbenzene
Concen: 107.009 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:119 Resp: 646369

Ion	Ratio	Lower	Upper
119	100		
91	70.8	35.1	105.5
134	27.1	12.1	36.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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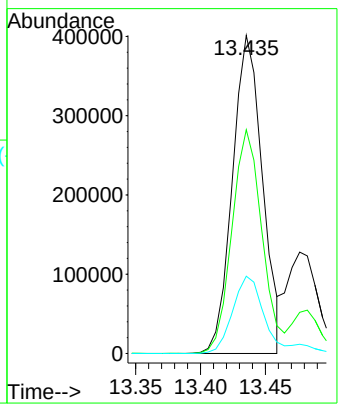
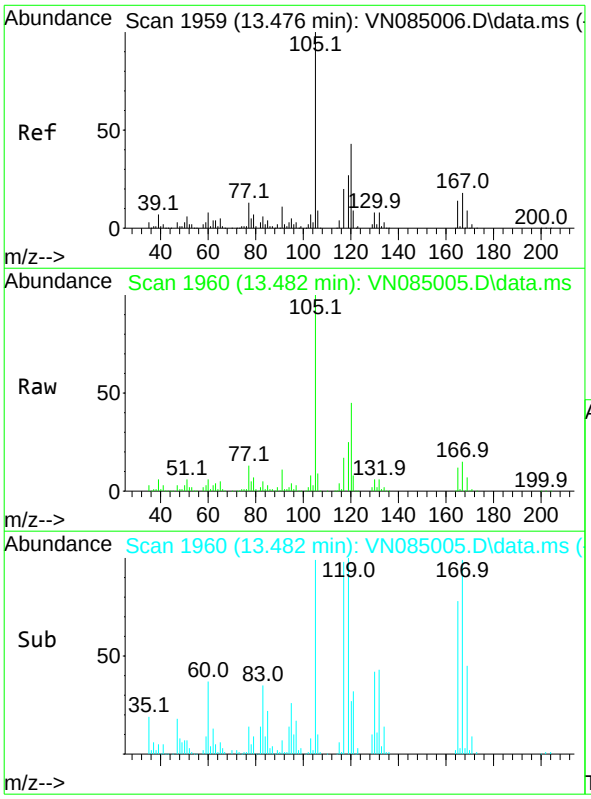
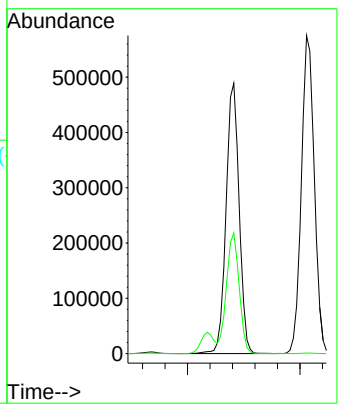


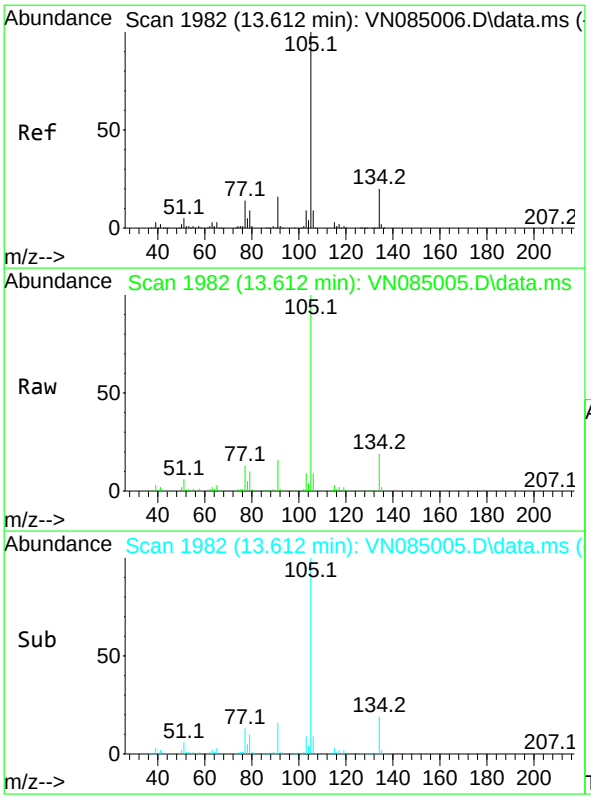


#84
1,2,4-Trimethylbenzene
Concen: 109.040 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:105 Resp: 787962

Ion	Ratio	Lower	Upper
105	100		
120	43.7	21.8	65.4

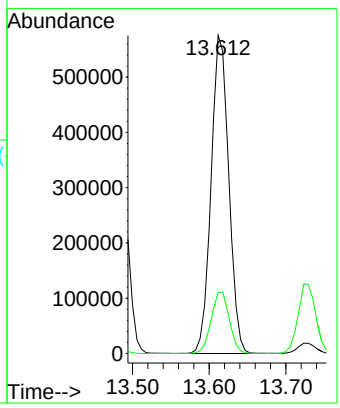




#85
sec-Butylbenzene
Concen: 112.777 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:105 Resp: 920223

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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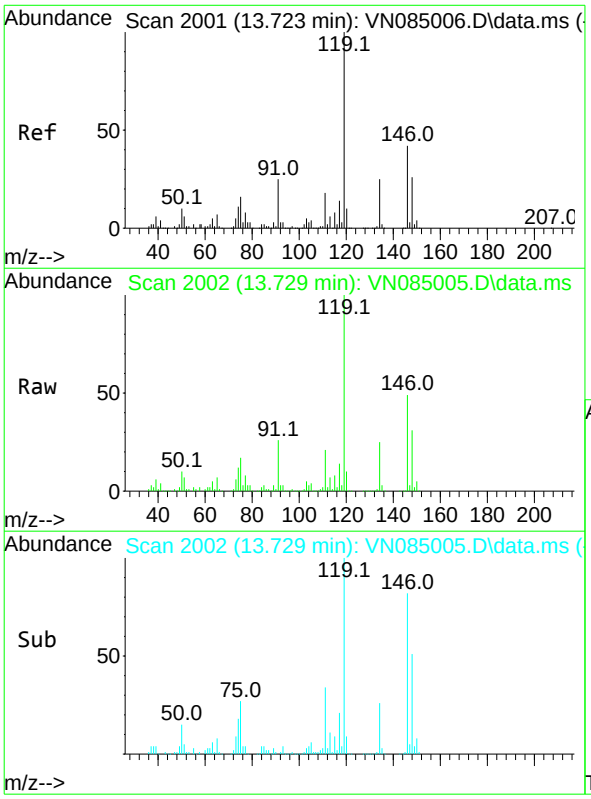
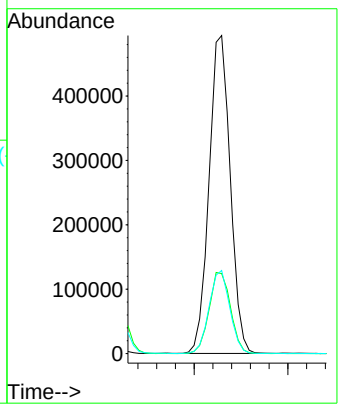
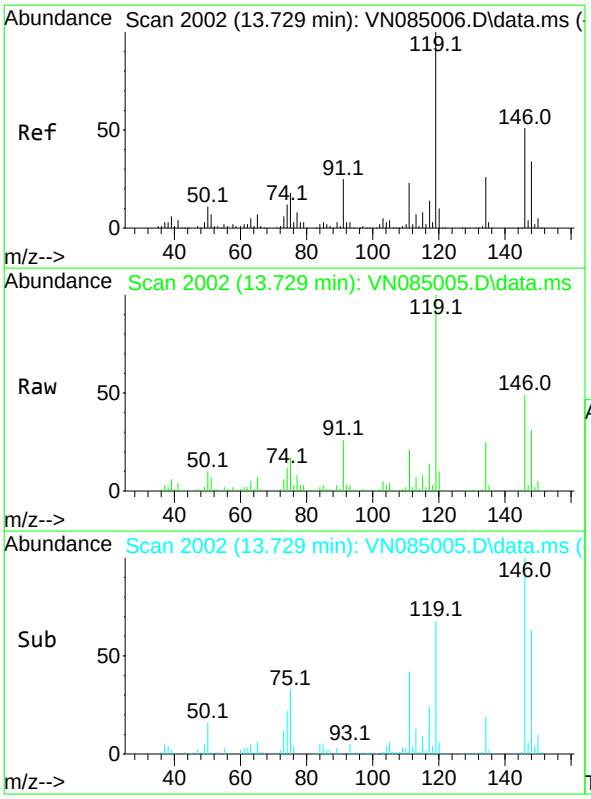


#86
p-Isopropyltoluene
Concen: 115.104 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:119 Resp: 775322

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	39.0
91	25.6	12.8	38.4

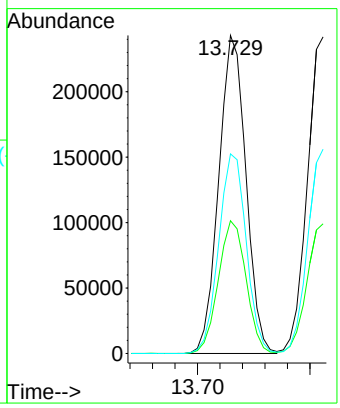




#87
1,3-Dichlorobenzene
Concen: 91.842 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:146 Resp: 407844

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.6	65.0
148	63.7	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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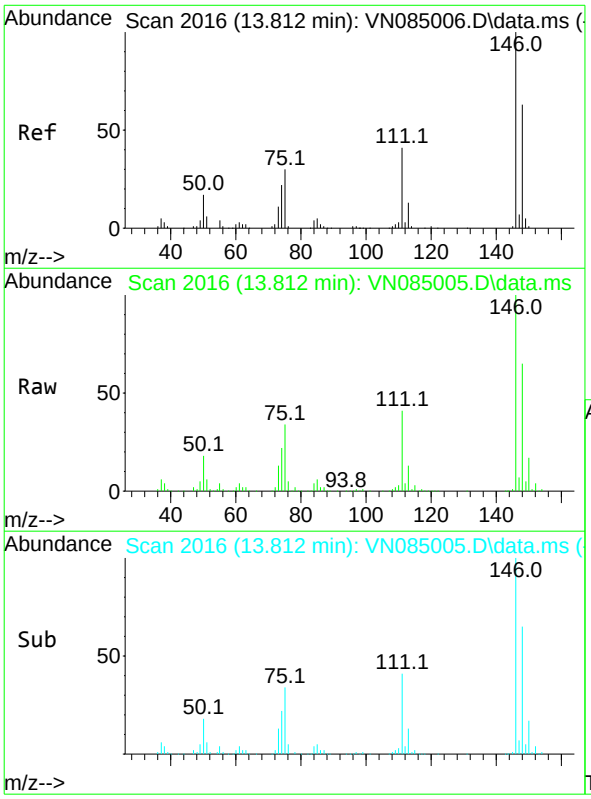
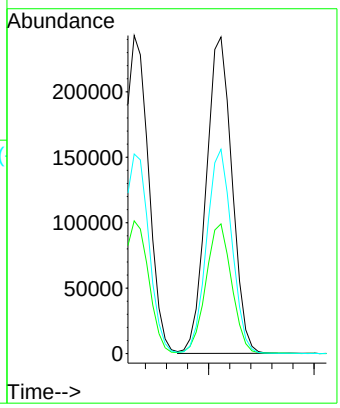
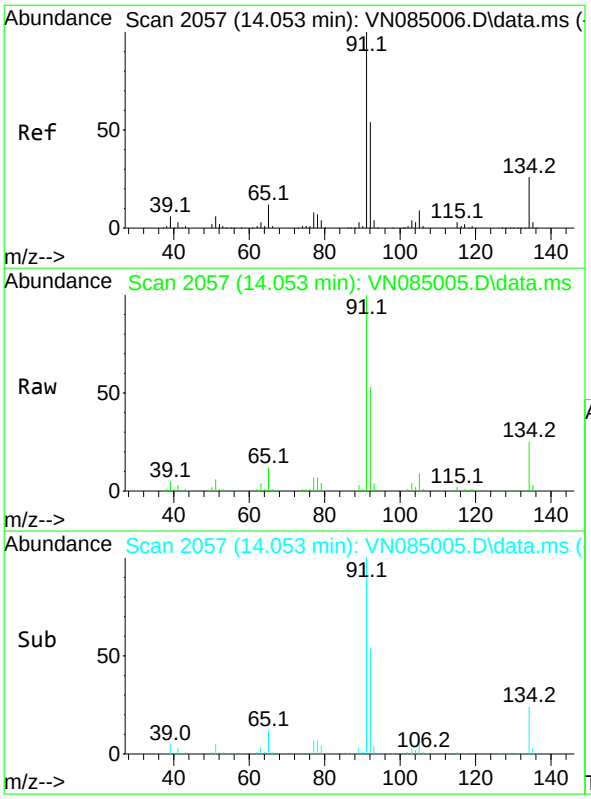


#88
1,4-Dichlorobenzene
Concen: 90.361 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:146 Resp: 409489

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.9	62.8
148	63.6	31.3	93.9

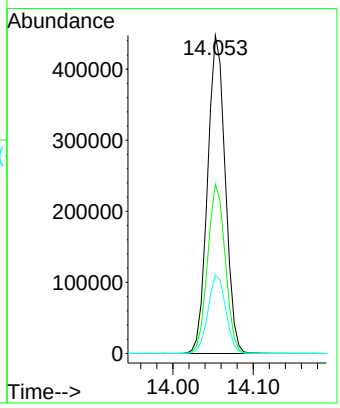




#89
n-Butylbenzene
Concen: 109.120 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 91 Resp: 683538

Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.8	80.3
134	24.9	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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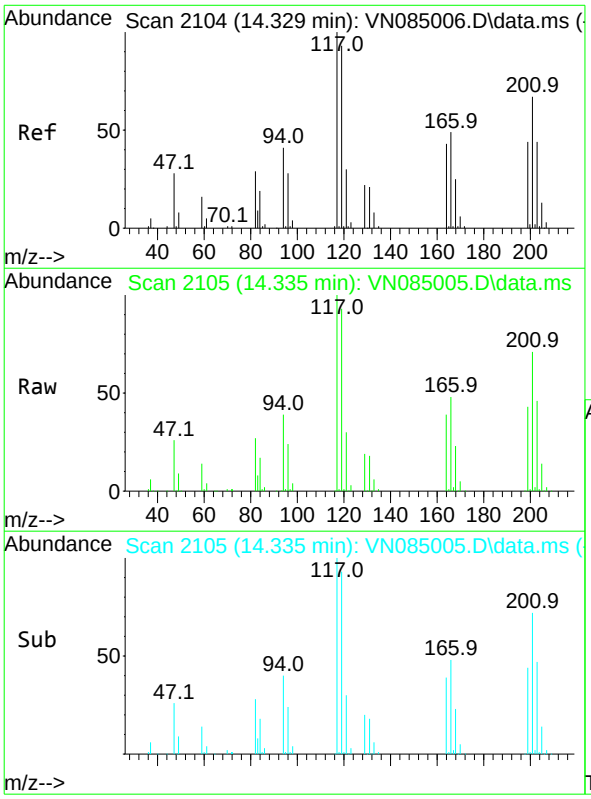
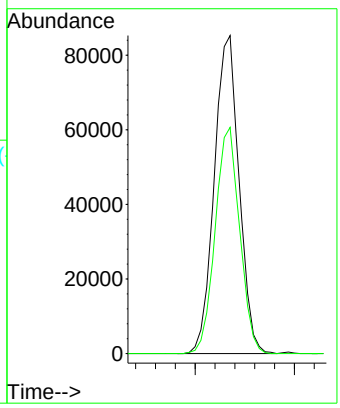
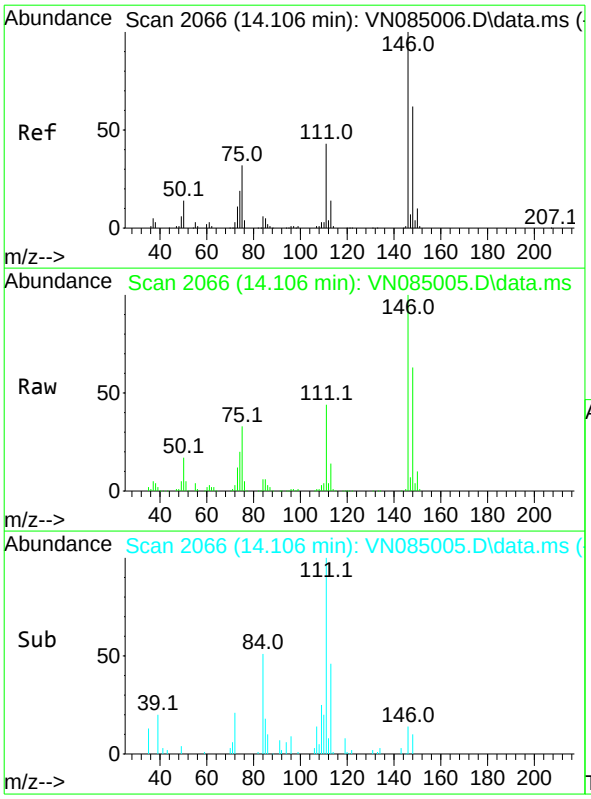


#90
Hexachloroethane
Concen: 100.783 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:117 Resp: 147973

Ion	Ratio	Lower	Upper
117	100		
201	70.1	35.2	105.6

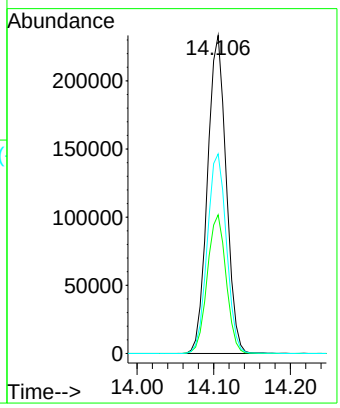




#91
1,2-Dichlorobenzene
Concen: 92.796 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:146 Resp: 394872

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.9	65.8
148	64.3	31.1	93.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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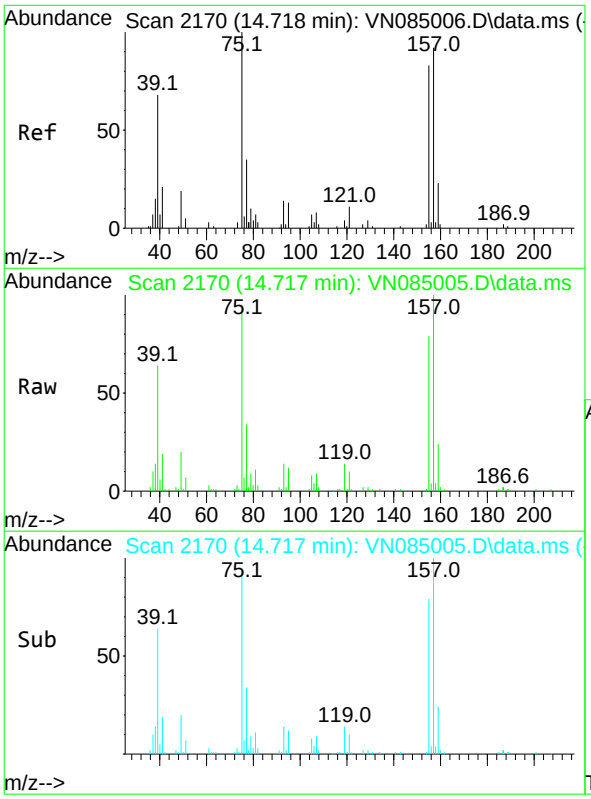
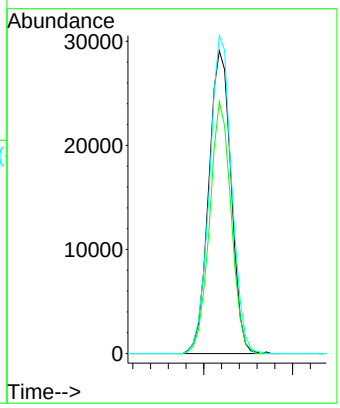
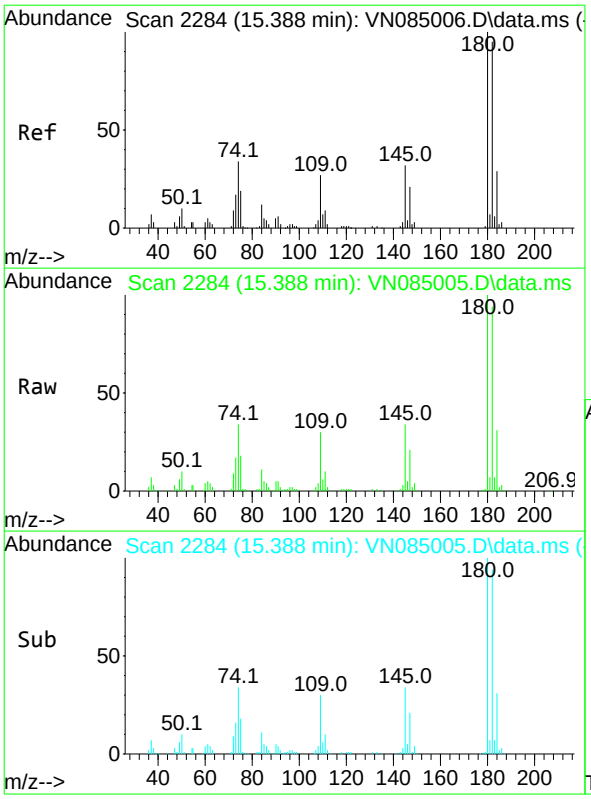


#92
1,2-Dibromo-3-Chloropropane
Concen: 92.071 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 50863

Ion	Ratio	Lower	Upper
75	100		
155	79.9	38.9	116.7
157	104.3	48.3	144.9

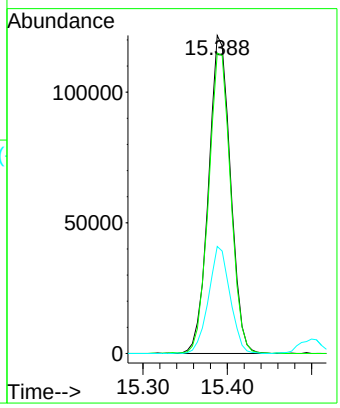




#93
1,2,4-Trichlorobenzene
Concen: 95.107 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:180 Resp: 219866

Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.9	140.8
145	33.0	16.3	48.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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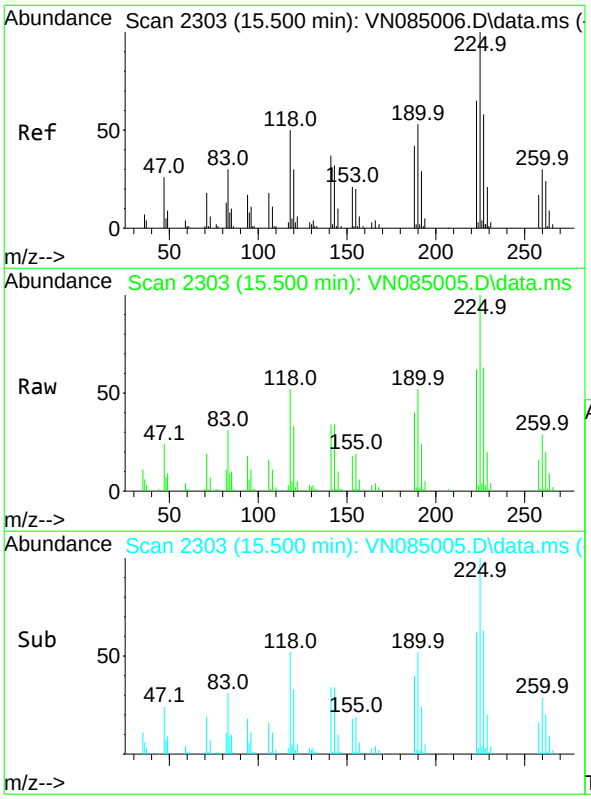
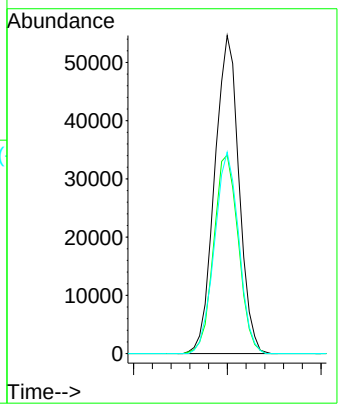
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

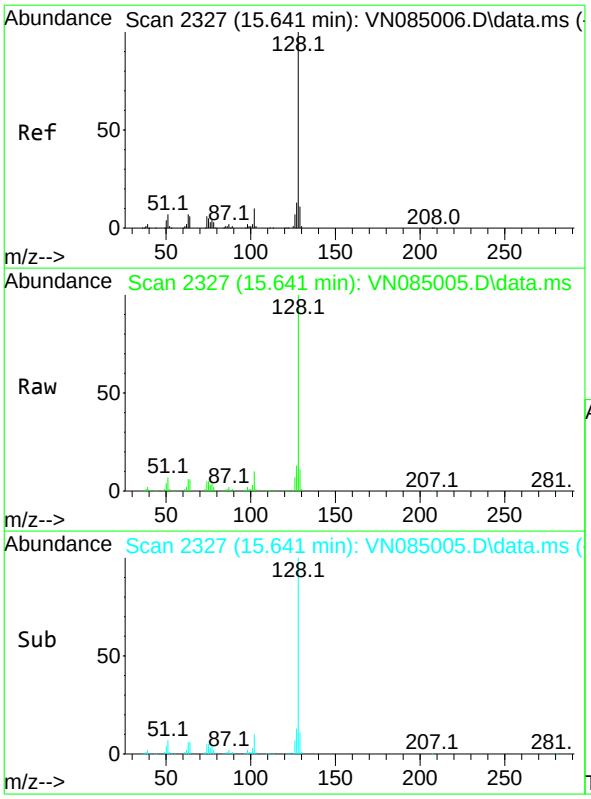


#94
Hexachlorobutadiene
Concen: 92.405 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:225 Resp: 98588

Ion	Ratio	Lower	Upper
225	100		
223	63.1	30.9	92.8
227	63.2	31.5	94.5

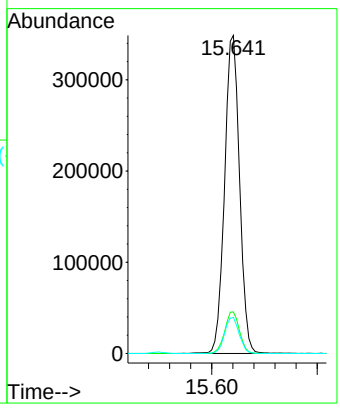




#95
Naphthalene
Concen: 104.183 ug/l
RT: 15.641 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:128 Resp: 685964

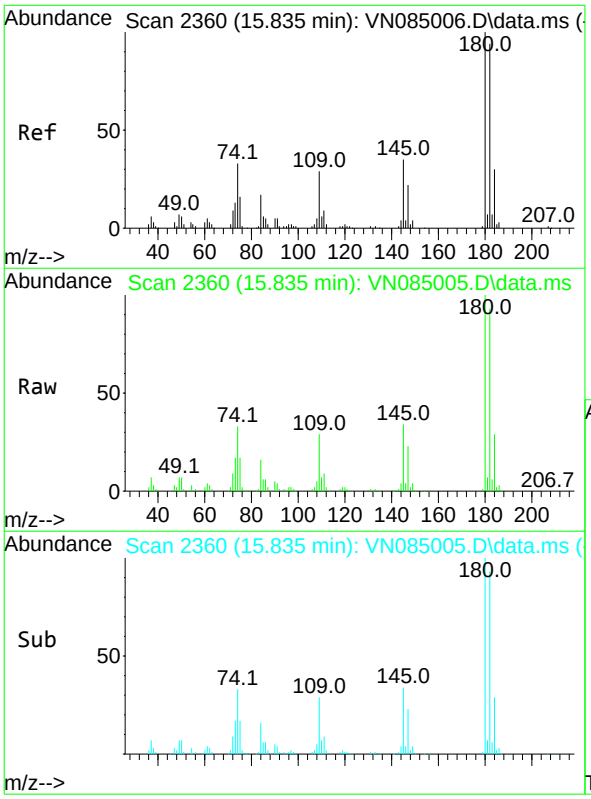
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	11.1	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

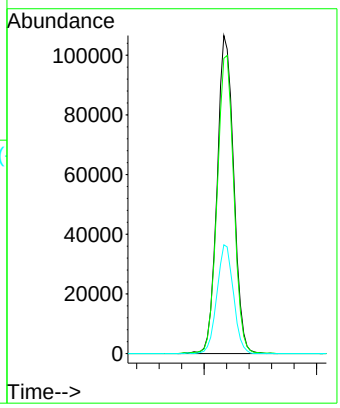
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#96
1,2,3-Trichlorobenzene
Concen: 99.092 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:180 Resp: 218578

Ion	Ratio	Lower	Upper
180	100		
182	93.8	46.4	139.2
145	33.9	17.3	52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085006.D
Acq On : 22 Nov 2024 11:46
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 23 01:58:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	163353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	271467	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	232158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	115244	49.528	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.060%			
35) Dibromofluoromethane	8.159	113	92297	50.417	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.840%			
50) Toluene-d8	10.565	98	338938	51.662	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.320%			
62) 4-Bromofluorobenzene	12.847	95	126840	51.698	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	91455	49.512	ug/l	100
3) Chloromethane	2.360	50	96463	45.027	ug/l	100
4) Vinyl Chloride	2.512	62	93960	48.804	ug/l	100
5) Bromomethane	2.901	94	50828	47.102	ug/l	100
6) Chloroethane	3.065	64	61844	47.657	ug/l	100
7) Trichlorofluoromethane	3.459	101	157642	48.134	ug/l	100
8) Diethyl Ether	3.948	74	57011	51.145	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.353	101	90080	48.495	ug/l	100
10) Methyl Iodide	4.571	142	122086	49.653	ug/l	100
11) Tert butyl alcohol	5.542	59	73708	237.049	ug/l	100
12) 1,1-Dichloroethene	4.318	96	85520	49.324	ug/l	100
13) Acrolein	4.165	56	57099	275.201	ug/l	100
14) Allyl chloride	5.006	41	144773	49.531	ug/l	100
15) Acrylonitrile	5.712	53	214719	243.910	ug/l	100
16) Acetone	4.424	43	165611	244.384	ug/l	100
17) Carbon Disulfide	4.695	76	240507	46.996	ug/l	100
18) Methyl Acetate	5.018	43	107105	49.436	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	288810	50.982	ug/l	100
20) Methylene Chloride	5.265	84	96084	46.464	ug/l	100
21) trans-1,2-Dichloroethene	5.771	96	91214	49.992	ug/l	100
22) Diisopropyl ether	6.665	45	290883	49.447	ug/l	100
23) Vinyl Acetate	6.595	43	1058594	260.842	ug/l	100
24) 1,1-Dichloroethane	6.553	63	171385	48.684	ug/l	100
25) 2-Butanone	7.483	43	270539	244.184	ug/l	100
26) 2,2-Dichloropropane	7.483	77	162280	49.367	ug/l	100
27) cis-1,2-Dichloroethene	7.477	96	107332	48.796	ug/l	100
28) Bromochloromethane	7.806	49	64580	48.597	ug/l	100
29) Tetrahydrofuran	7.836	42	175063	254.088	ug/l	100
30) Chloroform	7.959	83	179452	47.921	ug/l	100
31) Cyclohexane	8.253	56	144139	46.504	ug/l	100
32) 1,1,1-Trichloroethane	8.159	97	165474	48.900	ug/l	100
36) 1,1-Dichloropropene	8.365	75	123540	49.822	ug/l	100
37) Ethyl Acetate	7.553	43	109296	48.484	ug/l	100
38) Carbon Tetrachloride	8.353	117	144897	50.624	ug/l	100
39) Methylcyclohexane	9.594	83	137583	53.395	ug/l	100
40) Benzene	8.600	78	386616	49.297	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085006.D
Acq On : 22 Nov 2024 11:46
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 23 01:58:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	62534	50.102	ug/l		100
42) 1,2-Dichloroethane	8.665	62	130440	48.616	ug/l		100
43) Isopropyl Acetate	8.683	43	204483	43.670	ug/l		100
44) Trichloroethene	9.347	130	88746	48.692	ug/l		100
45) 1,2-Dichloropropane	9.618	63	94677	49.013	ug/l		100
46) Dibromomethane	9.706	93	66370	49.447	ug/l		100
47) Bromodichloromethane	9.883	83	141808	49.849	ug/l		100
48) Methyl methacrylate	9.677	41	89202	51.193	ug/l		100
49) 1,4-Dioxane	9.694	88	31557	1044.331	ug/l		100
51) 4-Methyl-2-Pentanone	10.441	43	551484	257.854	ug/l		100
52) Toluene	10.624	92	240730	51.850	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	148995	52.241	ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	156342	51.671	ug/l		100
55) 1,1,2-Trichloroethane	11.012	97	87334	50.501	ug/l		100
56) Ethyl methacrylate	10.871	69	140546	55.617	ug/l		100
57) 1,3-Dichloropropane	11.159	76	151573	49.800	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	368190	297.030	ug/l		100
59) 2-Hexanone	11.194	43	424152	265.165	ug/l		100
60) Dibromochloromethane	11.359	129	104699	49.538	ug/l		100
61) 1,2-Dibromoethane	11.465	107	89471	49.991	ug/l		100
64) Tetrachloroethene	11.100	164	76257	48.747	ug/l		100
65) Chlorobenzene	11.888	112	252937	48.041	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	92289	49.785	ug/l		100
67) Ethyl Benzene	11.959	91	451491	52.856	ug/l		100
68) m/p-Xylenes	12.071	106	342033	105.174	ug/l		100
69) o-Xylene	12.394	106	164137	53.059	ug/l		100
70) Styrene	12.406	104	277349	53.912	ug/l		100
71) Bromoform	12.576	173	71858	52.221	ug/l	#	100
73) Isopropylbenzene	12.694	105	415716	51.479	ug/l		100
74) N-amyl acetate	12.494	43	177685	53.396	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	126215	45.771	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	103311m	48.246	ug/l		
77) Bromobenzene	12.976	156	105184	48.402	ug/l		100
78) n-propylbenzene	13.035	91	484892	52.059	ug/l		100
79) 2-Chlorotoluene	13.124	91	305747	49.174	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	360125	53.145	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	46724	50.990	ug/l		100
82) 4-Chlorotoluene	13.218	91	317569	49.063	ug/l		100
83) tert-Butylbenzene	13.435	119	301180	51.657	ug/l		100
84) 1,2,4-Trimethylbenzene	13.476	105	371046	53.195	ug/l		100
85) sec-Butylbenzene	13.612	105	419761	53.296	ug/l		100
86) p-Isopropyltoluene	13.723	119	353974	54.443	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	196552	45.855	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	201469	46.058	ug/l		100
89) n-Butylbenzene	14.053	91	305730	50.564	ug/l		100
90) Hexachloroethane	14.329	117	69444	49.001	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	193123	47.019	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.718	75	25059	46.995	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	103265	46.278	ug/l		100
94) Hexachlorobutadiene	15.500	225	46186	44.848	ug/l		100
95) Naphthalene	15.641	128	324523	51.063	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	102772	48.269	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085006.D
Acq On : 22 Nov 2024 11:46
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 01:58:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085006.D
Acq On : 22 Nov 2024 11:46
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
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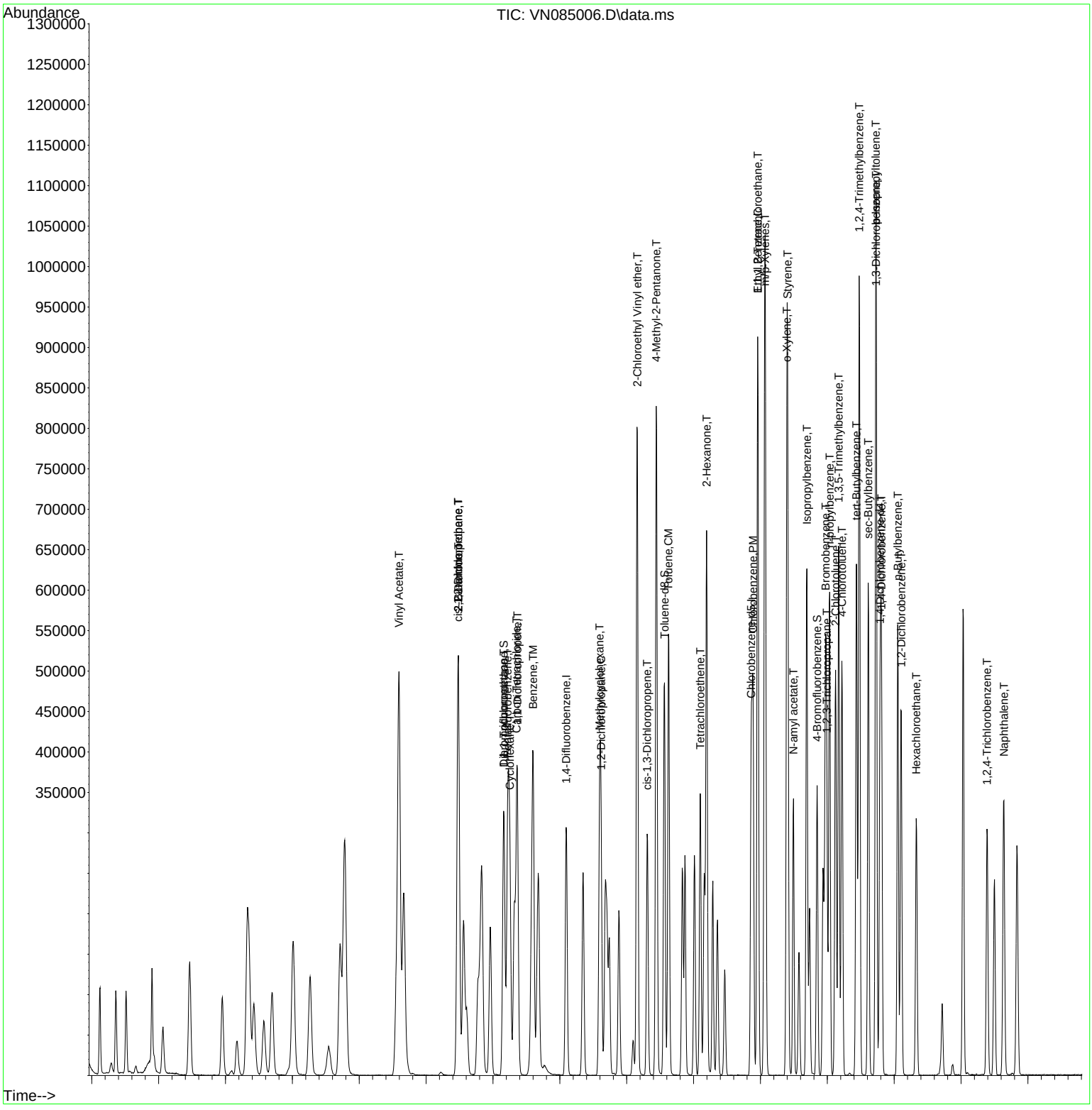
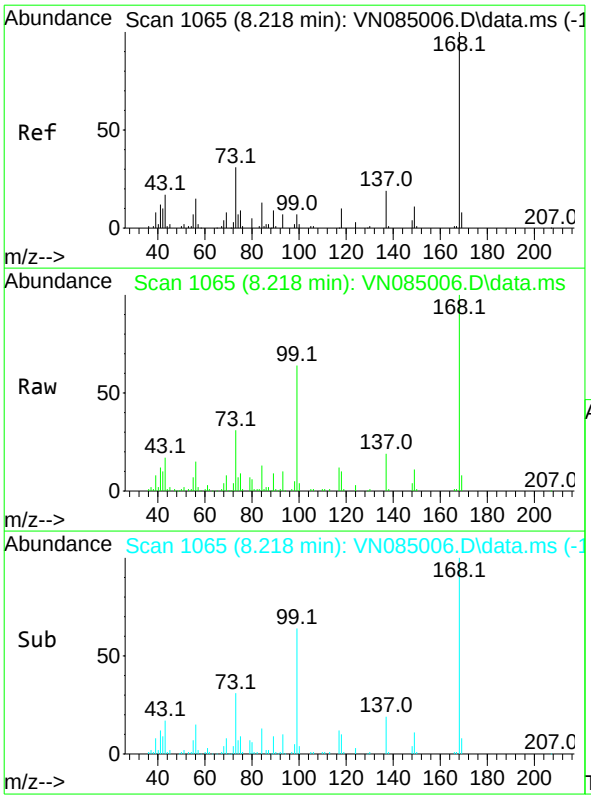
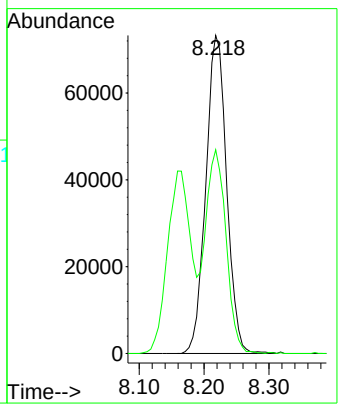




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:168 Resp: 163353

Ion	Ratio	Lower	Upper
168	100		
99	64.0	51.2	76.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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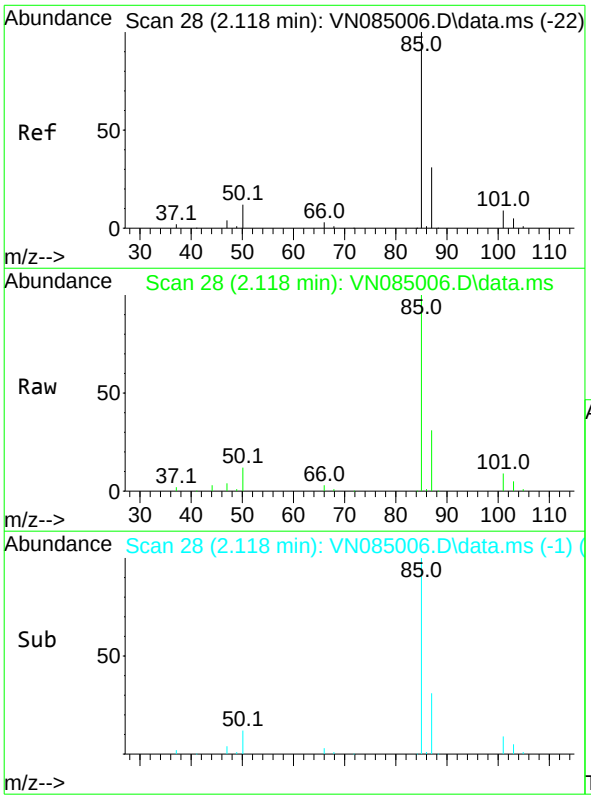
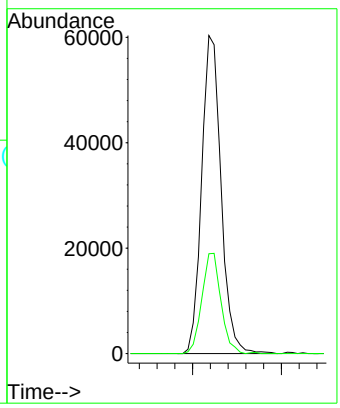
Supervised By :Mahesh Dadoda 11/25/2024

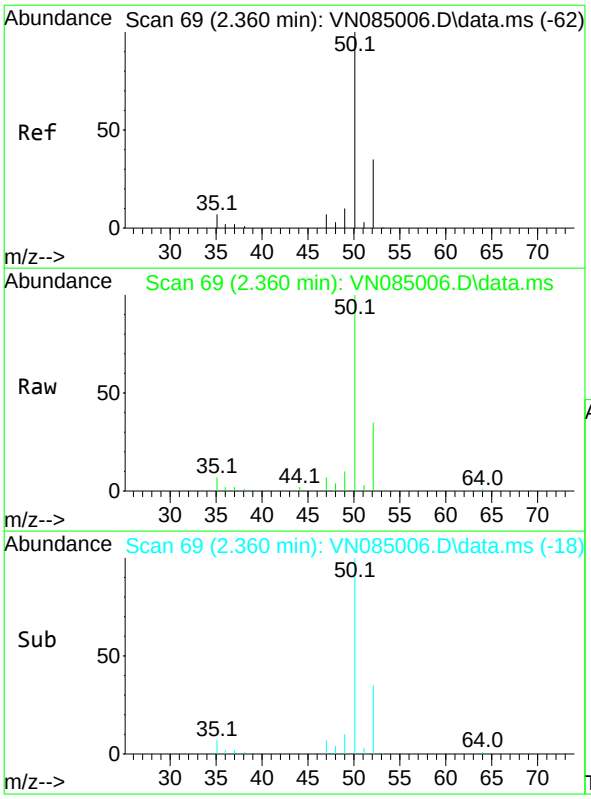


#2
Dichlorodifluoromethane
Concen: 49.512 ug/l
RT: 2.118 min Scan# 28
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 85 Resp: 91455

Ion	Ratio	Lower	Upper
85	100		
87	31.4	15.7	47.1

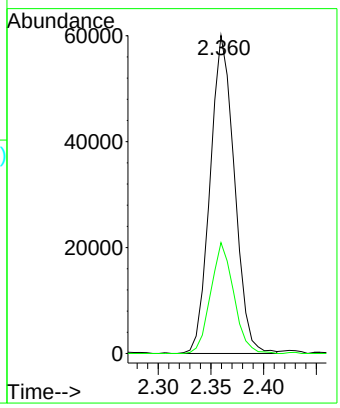




#3
Chloromethane
Concen: 45.027 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 50 Resp: 96463

Ion	Ratio	Lower	Upper
50	100		
52	34.8	27.8	41.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
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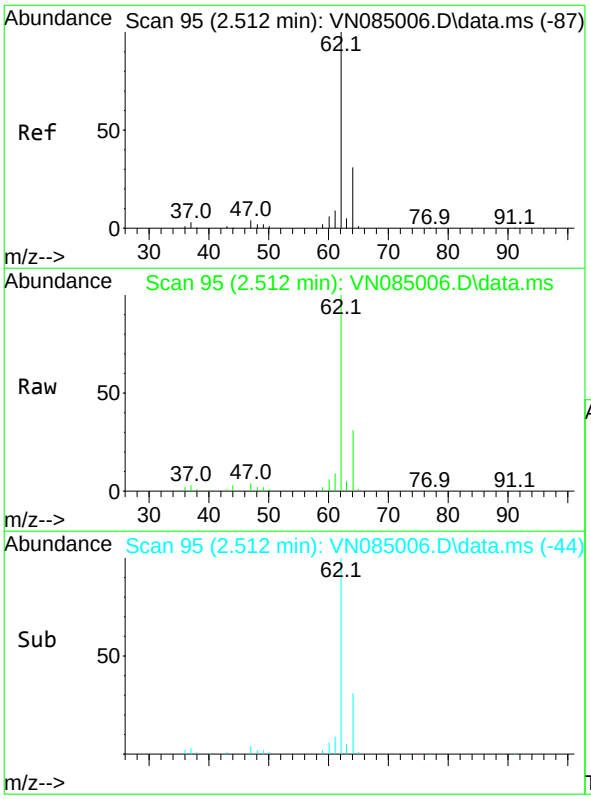
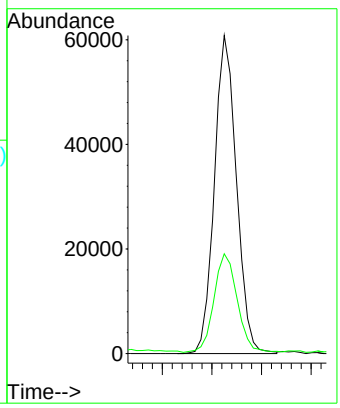
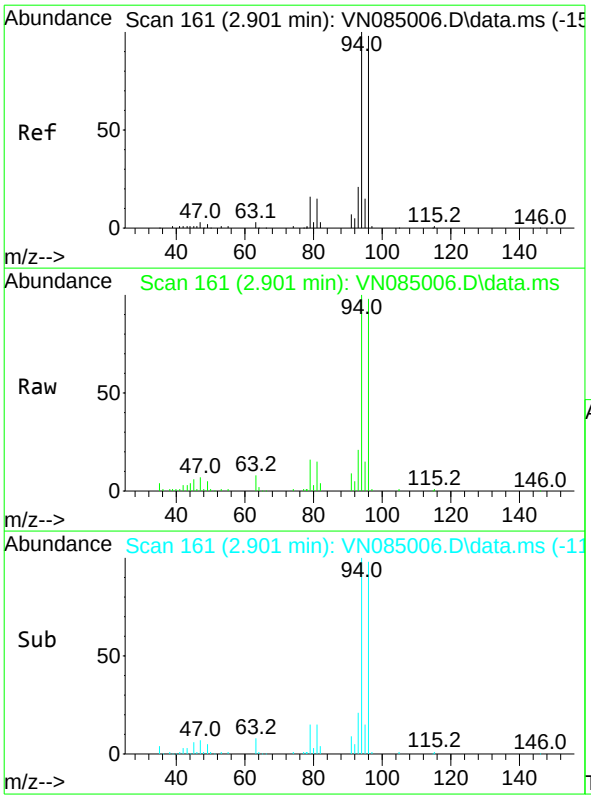


#4
Vinyl Chloride
Concen: 48.804 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 62 Resp: 93960

Ion	Ratio	Lower	Upper
62	100		
64	30.7	24.6	36.8

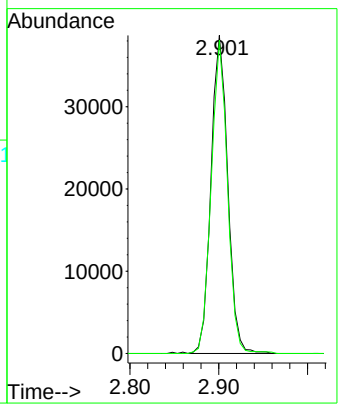




#5
Bromomethane
Concen: 47.102 ug/l
RT: 2.901 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 94 Resp: 50828

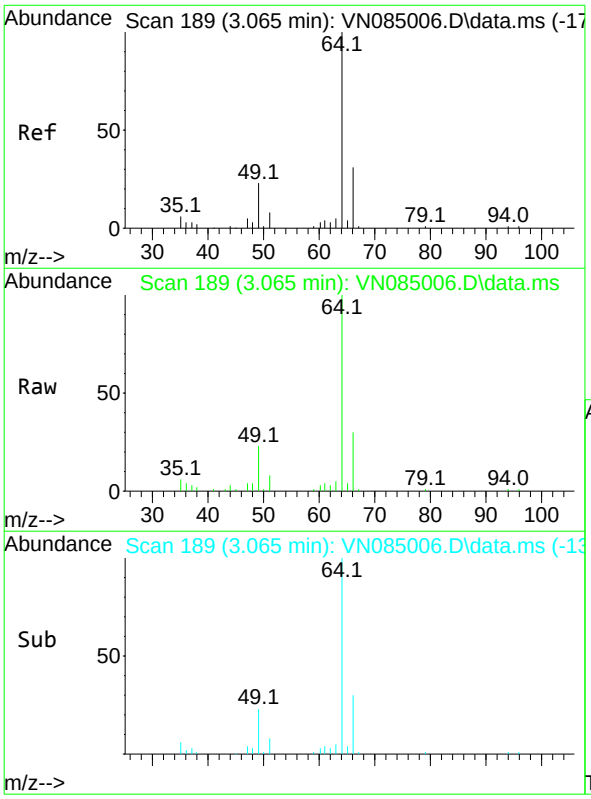
Ion	Ratio	Lower	Upper
94	100		
96	98.4	78.7	118.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

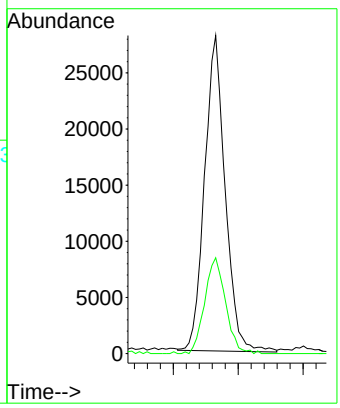
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

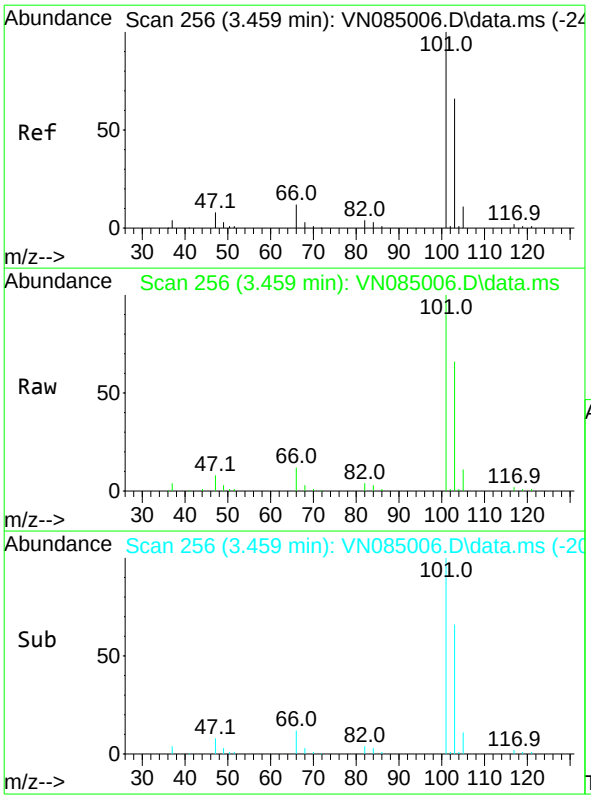


#6
Chloroethane
Concen: 47.657 ug/l
RT: 3.065 min Scan# 189
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 64 Resp: 61844

Ion	Ratio	Lower	Upper
64	100		
66	30.5	24.4	36.6

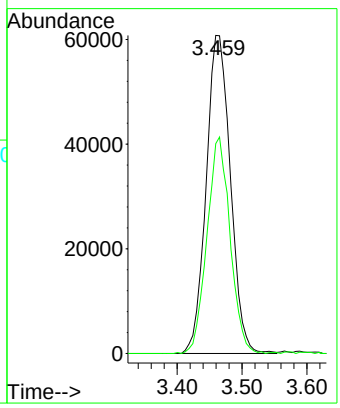




#7
Trichlorofluoromethane
Concen: 48.134 ug/l
RT: 3.459 min Scan# 25
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:101 Resp: 157642

Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.6	78.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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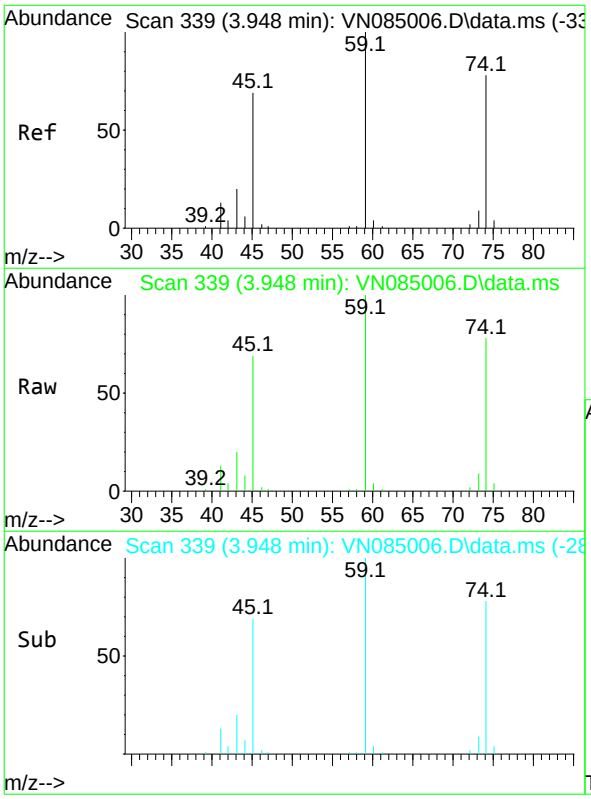
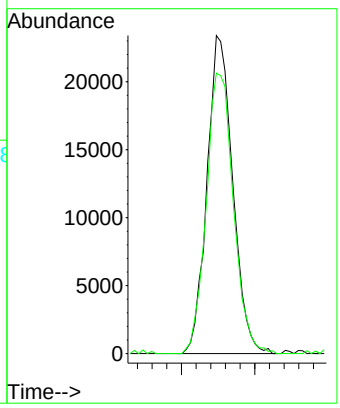
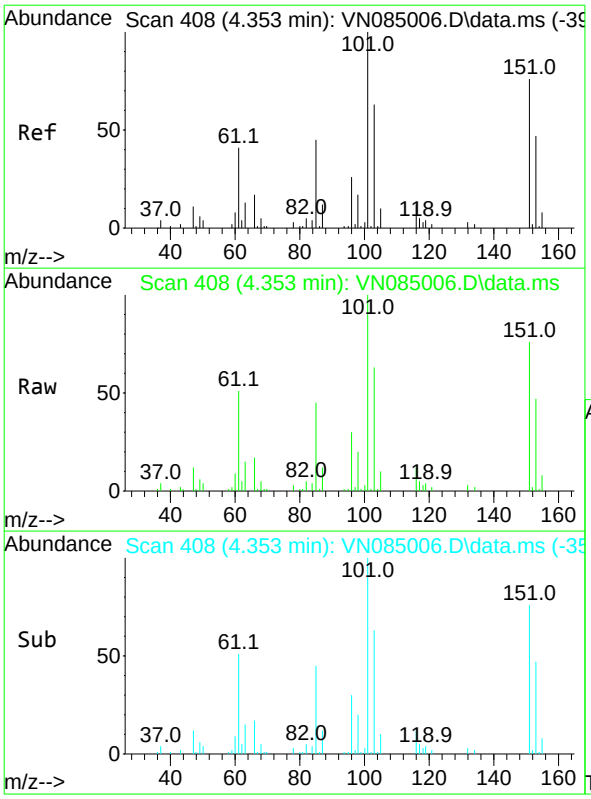


#8
Diethyl Ether
Concen: 51.145 ug/l
RT: 3.948 min Scan# 339
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 74 Resp: 57011

Ion	Ratio	Lower	Upper
74	100		
45	93.4	46.7	140.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.495 ug/l
RT: 4.353 min Scan# 40
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:101 Resp: 90080

Ion	Ratio	Lower	Upper
101	100		
85	46.1	36.9	55.3
151	76.0	60.8	91.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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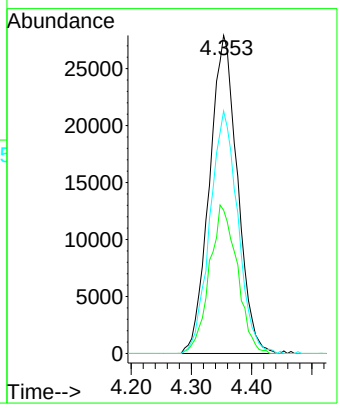
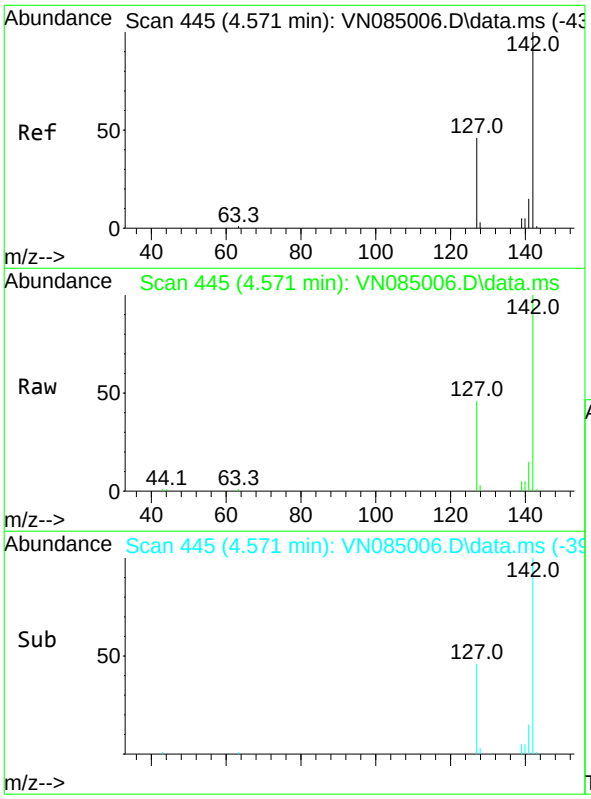
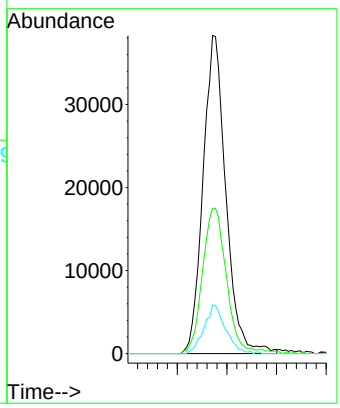


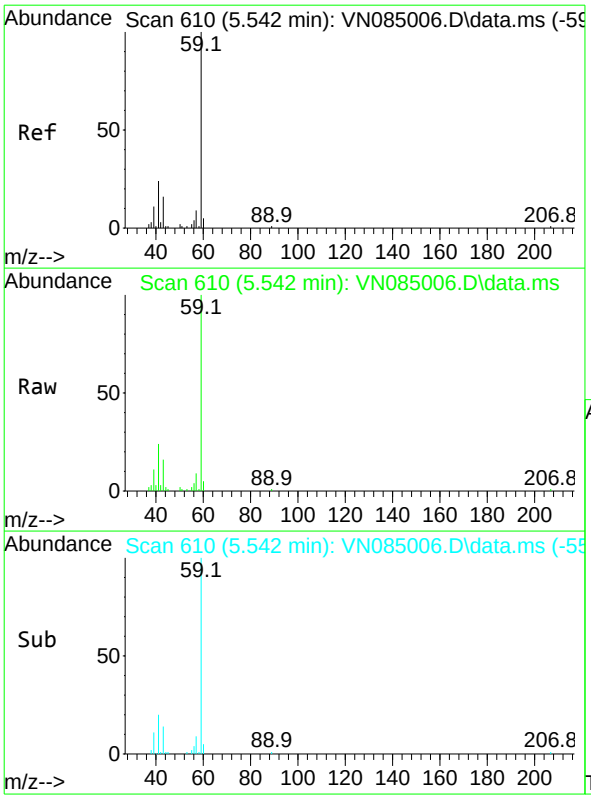


#10
Methyl Iodide
Concen: 49.653 ug/l
RT: 4.571 min Scan# 445
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:142 Resp: 122086

Ion	Ratio	Lower	Upper
142	100		
127	45.7	36.6	54.8
141	15.3	12.2	18.4

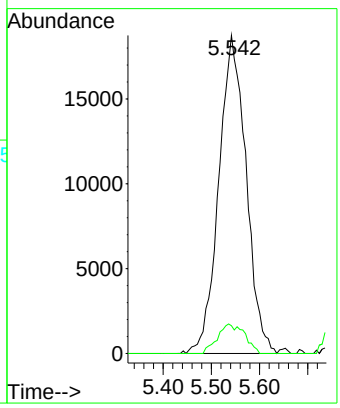




#11
Tert butyl alcohol
Concen: 237.049 ug/l
RT: 5.542 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 59 Resp: 73708

Ion	Ratio	Lower	Upper
59	100		
57	9.2	7.4	11.0



Instrument :
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ClientSampleId :
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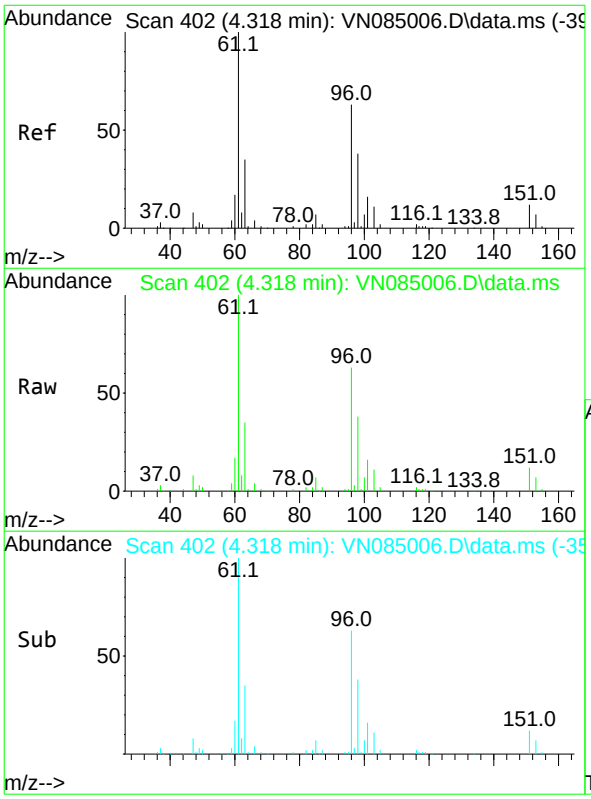
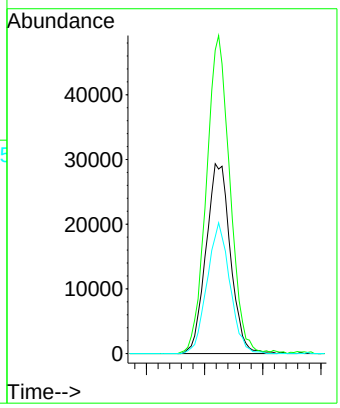
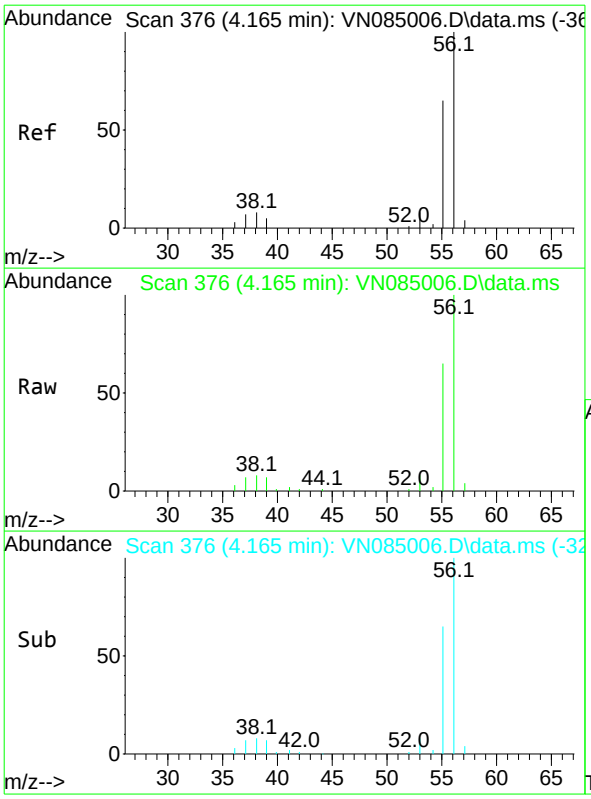


#12
1,1-Dichloroethene
Concen: 49.324 ug/l
RT: 4.318 min Scan# 402
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 96 Resp: 85520

Ion	Ratio	Lower	Upper
96	100		
61	159.8	127.8	191.8
98	61.5	49.2	73.8

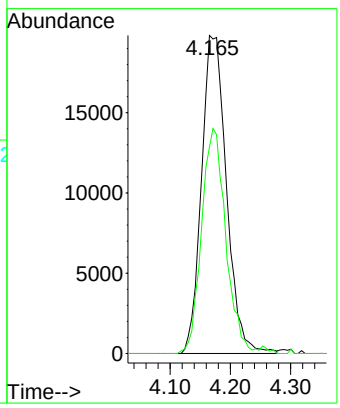




#13
Acrolein
Concen: 275.201 ug/l
RT: 4.165 min Scan# 37
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 56 Resp: 57099

Ion	Ratio	Lower	Upper
56	100		
55	68.1	54.5	81.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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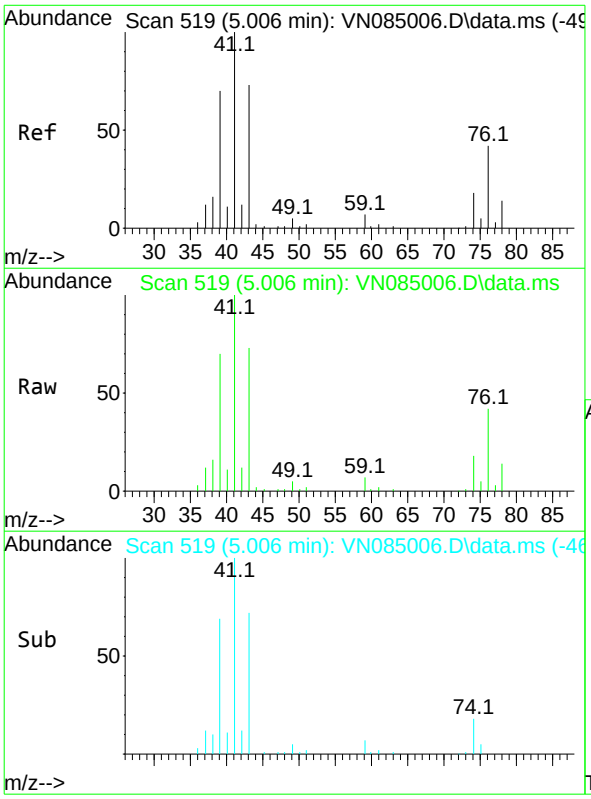
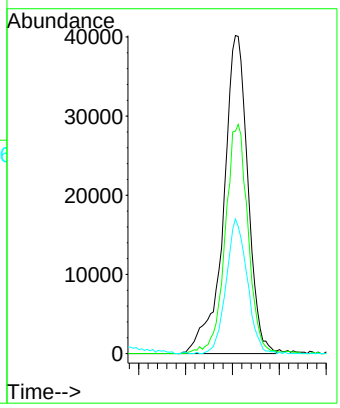
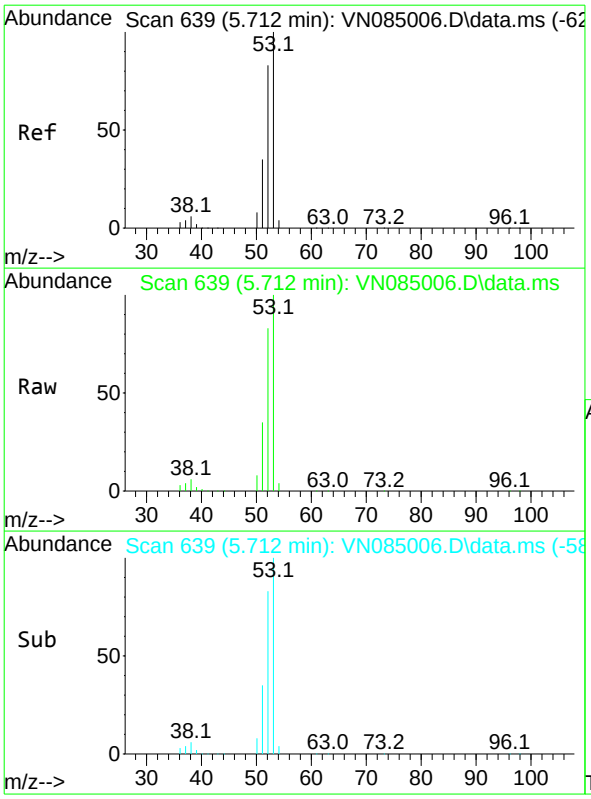


#14
Allyl chloride
Concen: 49.531 ug/l
RT: 5.006 min Scan# 519
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 41 Resp: 144773

Ion	Ratio	Lower	Upper
41	100		
39	67.3	53.8	80.8
76	36.6	29.3	43.9

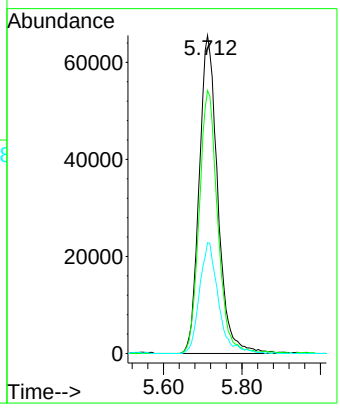




#15
Acrylonitrile
Concen: 243.910 ug/l
RT: 5.712 min Scan# 63
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 53 Resp: 214719

Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.5	98.3
51	35.5	28.4	42.6



Instrument :
MSVOA_N
ClientSampleId :
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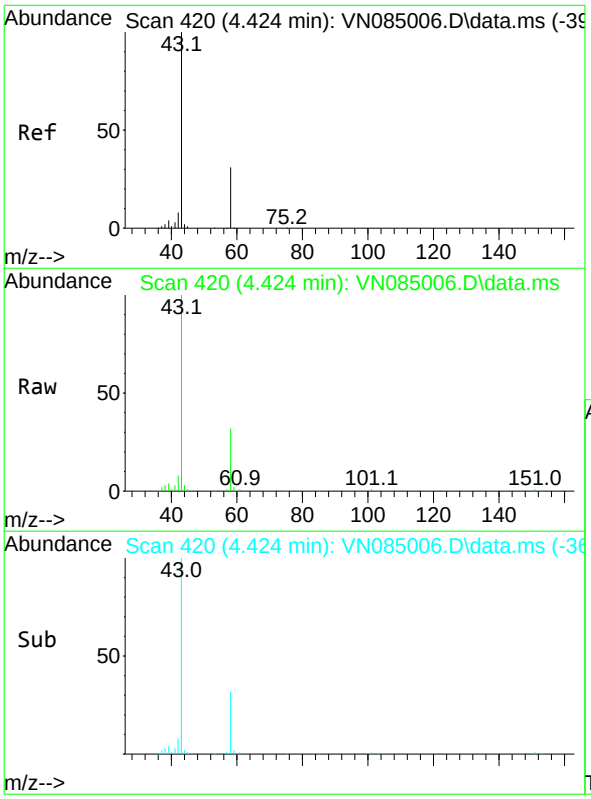
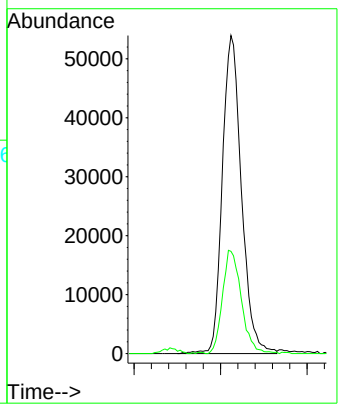
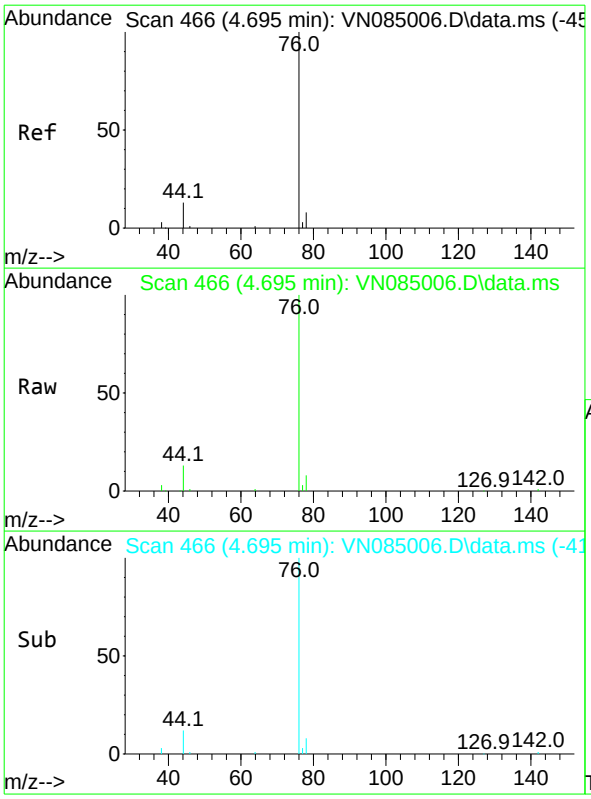


#16
Acetone
Concen: 244.384 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 43 Resp: 165611

Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.4	38.2

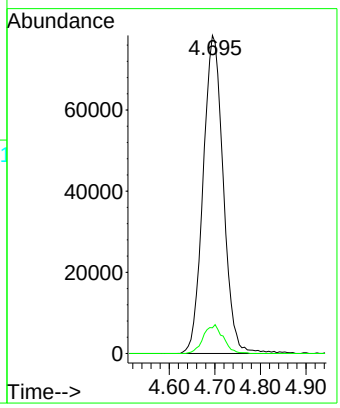




#17
Carbon Disulfide
Concen: 46.996 ug/l
RT: 4.695 min Scan# 46
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 76 Resp: 240507

Ion	Ratio	Lower	Upper
76	100		
78	8.1	6.5	9.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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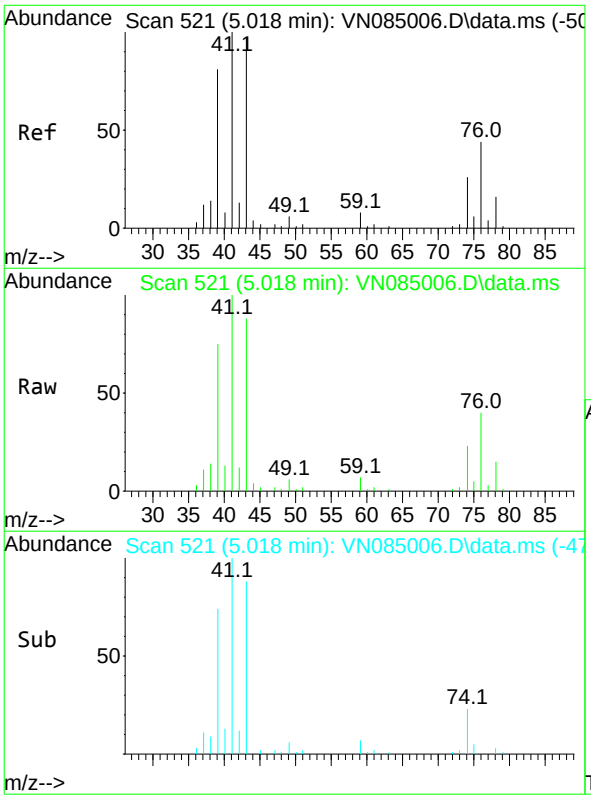
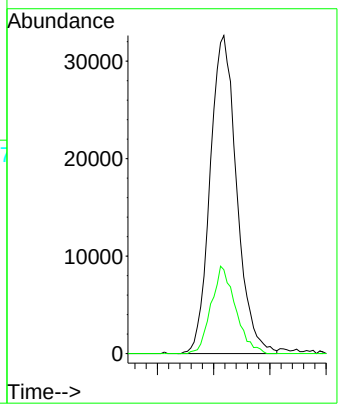
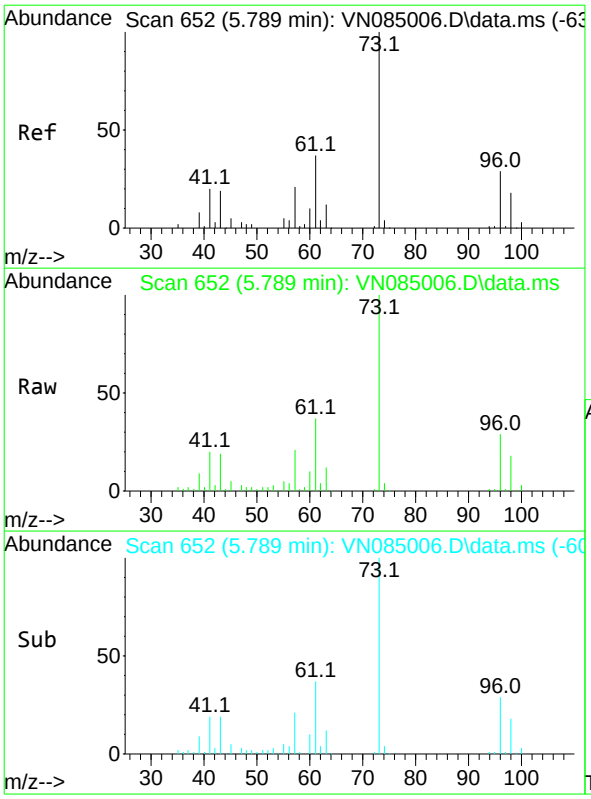


#18
Methyl Acetate
Concen: 49.436 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 43 Resp: 107105

Ion	Ratio	Lower	Upper
43	100		
74	25.1	20.1	30.1

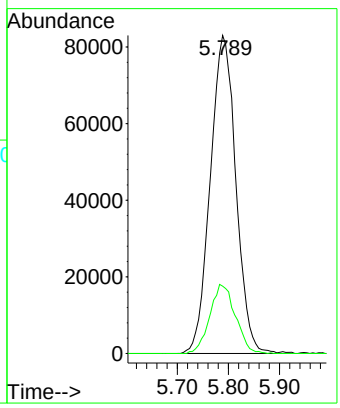




#19
Methyl tert-butyl Ether
Concen: 50.982 ug/l
RT: 5.789 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 73 Resp: 288810

Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.0	25.4



Instrument :
MSVOA_N
ClientSampleId :
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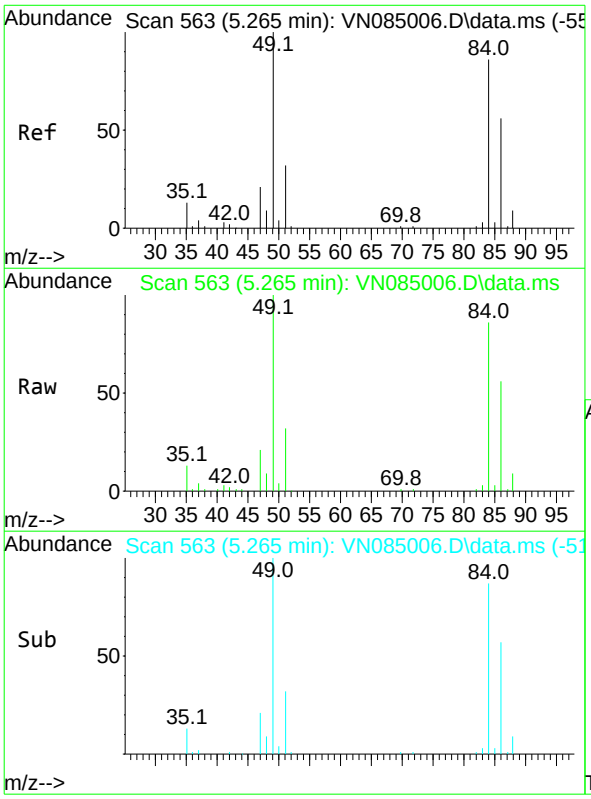
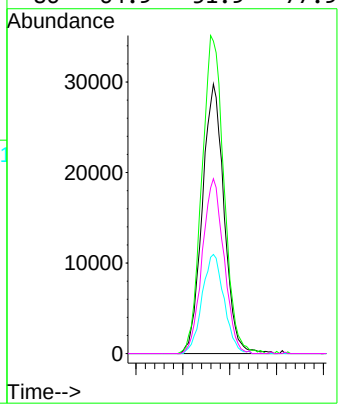
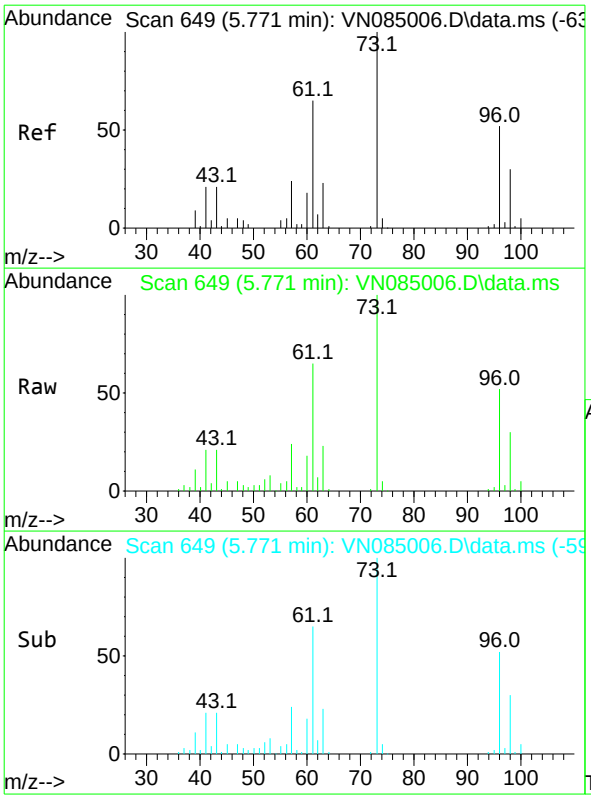


#20
Methylene Chloride
Concen: 46.464 ug/l
RT: 5.265 min Scan# 563
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 84 Resp: 96084

Ion	Ratio	Lower	Upper
84	100		
49	115.9	92.7	139.1
51	36.8	29.4	44.2
86	64.9	51.9	77.9

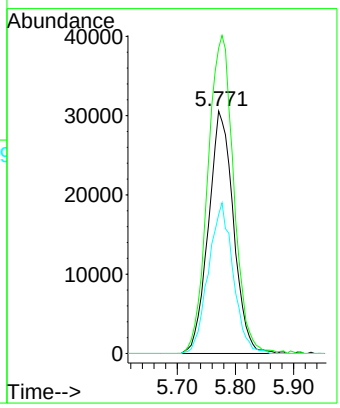




#21
trans-1,2-Dichloroethene
Concen: 49.992 ug/l
RT: 5.771 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 96 Resp: 91214

Ion	Ratio	Lower	Upper
96	100		
61	125.9	100.7	151.1
98	57.2	45.8	68.6



Instrument :
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ClientSampleId :
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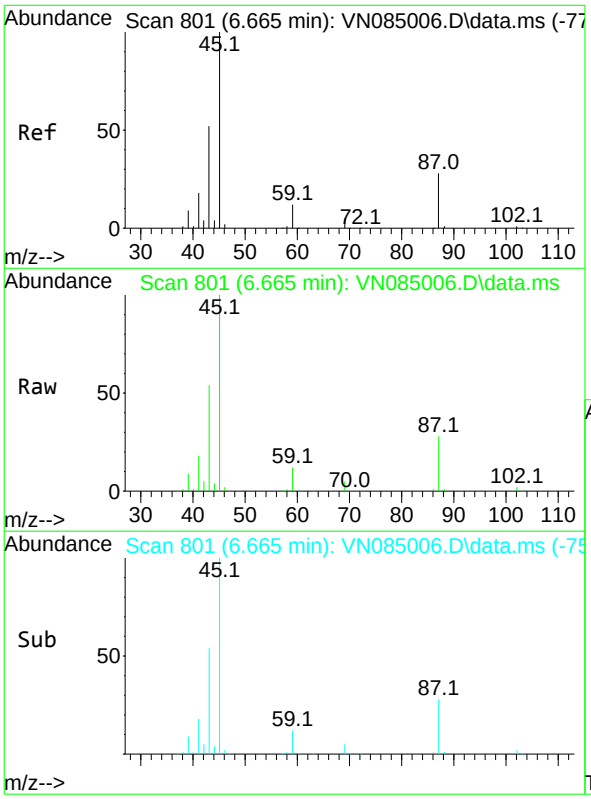
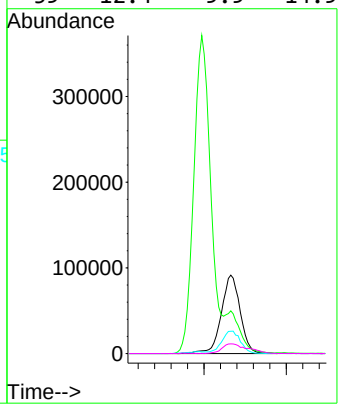
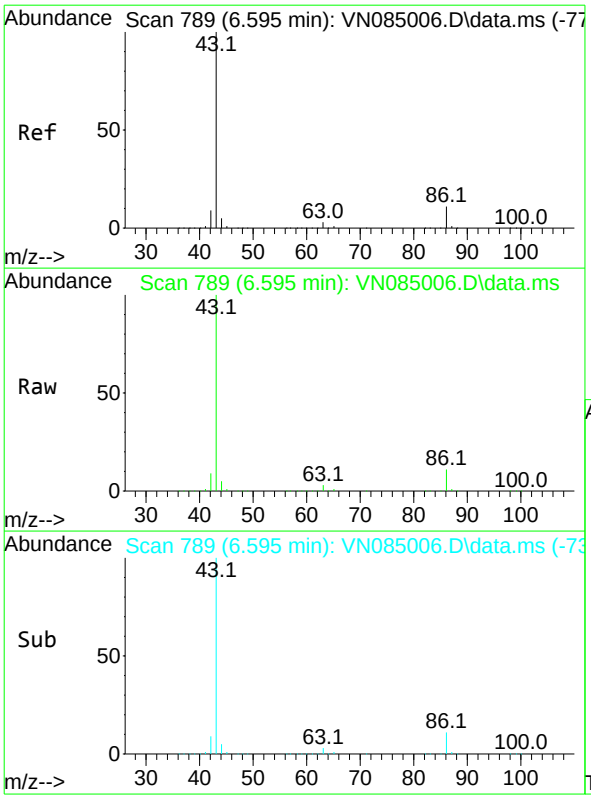


#22
Diisopropyl ether
Concen: 49.447 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 45 Resp: 290883

Ion	Ratio	Lower	Upper
45	100		
43	53.4	42.7	64.1
87	28.3	22.6	34.0
59	12.4	9.9	14.9

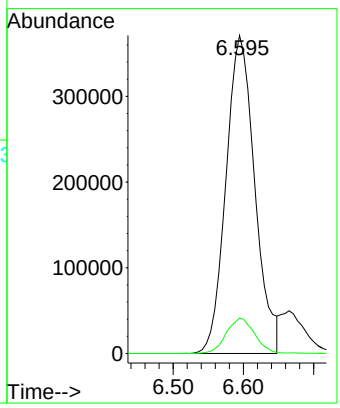




#23
Vinyl Acetate
Concen: 260.842 ug/l
RT: 6.595 min Scan# 78
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 43 Resp: 1058594

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.9	13.3



Instrument :
MSVOA_N
ClientSampleId :
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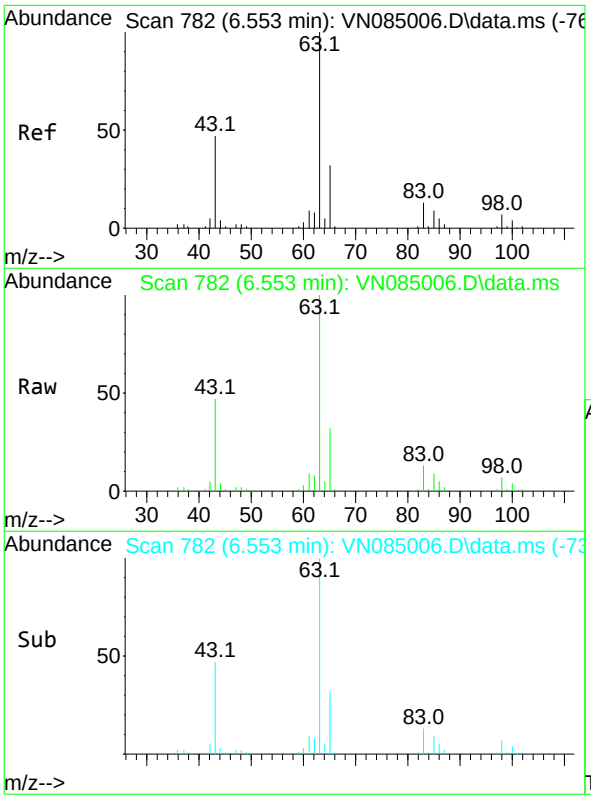
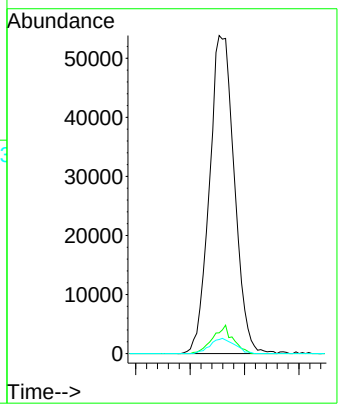
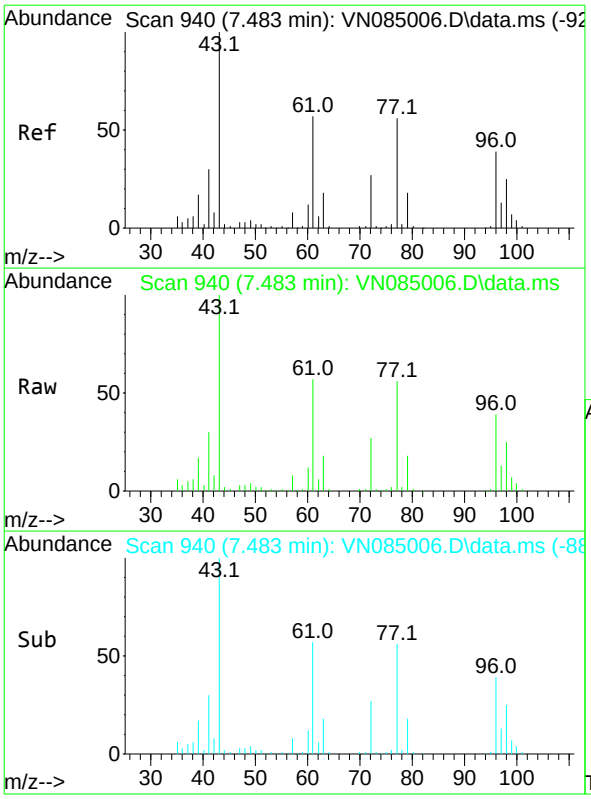


#24
1,1-Dichloroethane
Concen: 48.684 ug/l
RT: 6.553 min Scan# 782
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 63 Resp: 171385

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.3	9.8
100	4.4	2.2	6.6

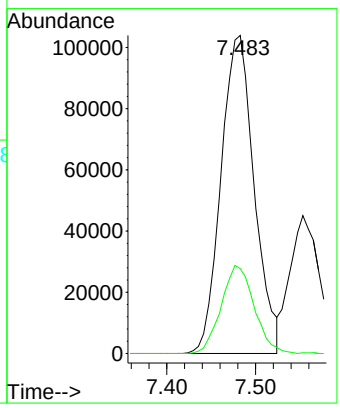




#25
2-Butanone
Concen: 244.184 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 43 Resp: 270539

Ion	Ratio	Lower	Upper
43	100		
72	26.7	21.4	32.0



Instrument :
MSVOA_N
ClientSampleId :
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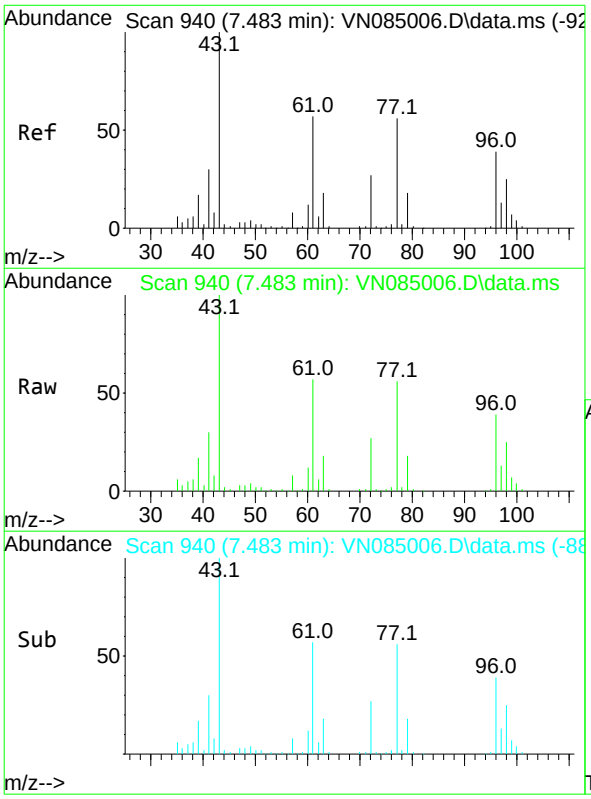
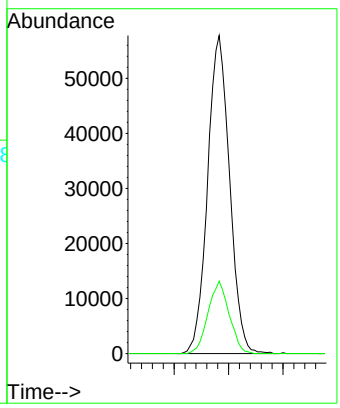
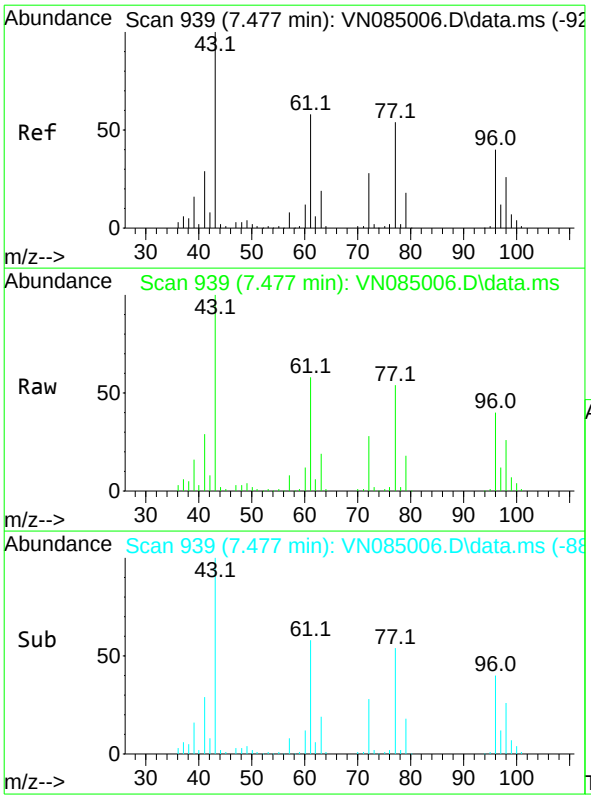


#26
2,2-Dichloropropane
Concen: 49.367 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 77 Resp: 162280

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.9	32.7

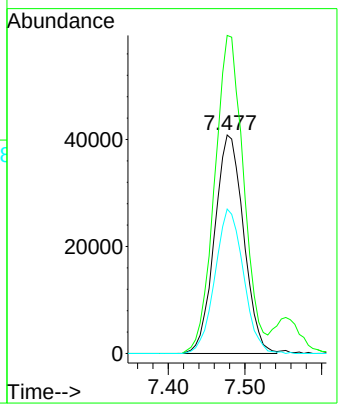




#27
cis-1,2-Dichloroethene
Concen: 48.796 ug/l
RT: 7.477 min Scan# 93
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 96 Resp: 107332

Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	291.6
98	64.9	0.0	129.8



Instrument :
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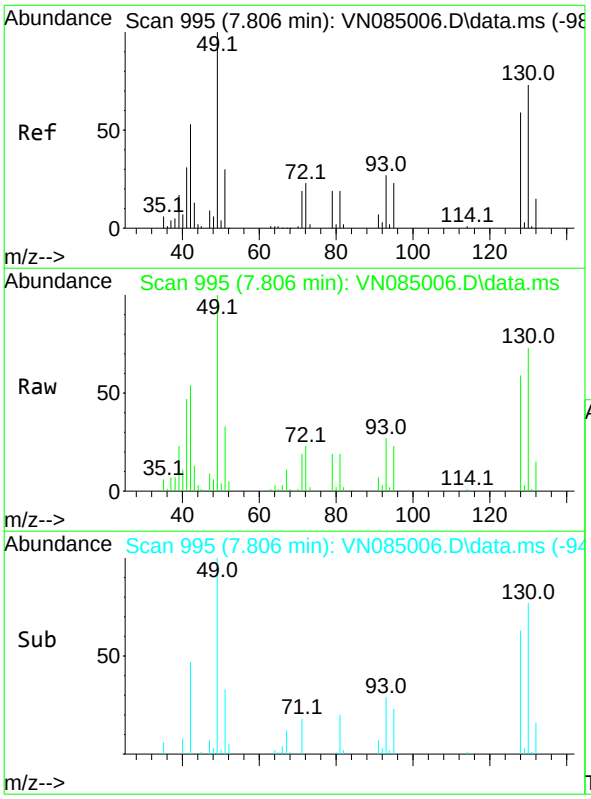
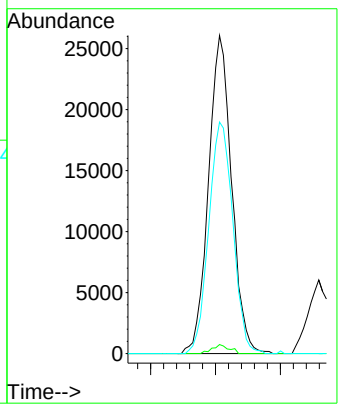
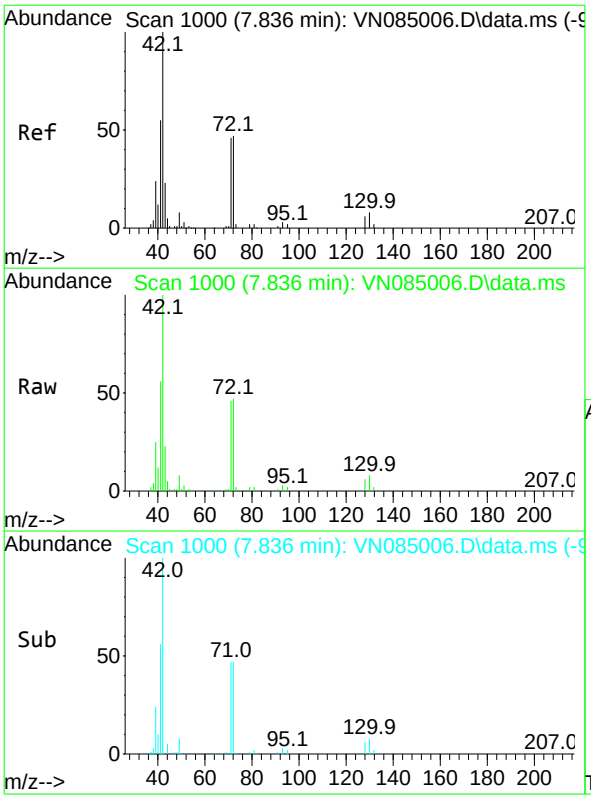


#28
Bromochloromethane
Concen: 48.597 ug/l
RT: 7.806 min Scan# 995
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 49 Resp: 64580

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	75.7	60.6	90.8

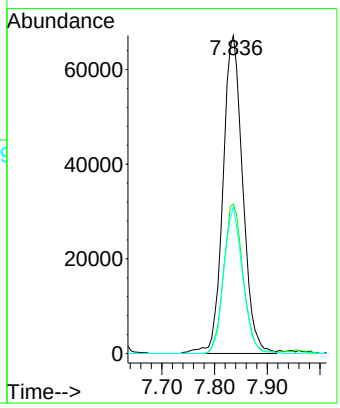




#29
Tetrahydrofuran
Concen: 254.088 ug/l
RT: 7.836 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 42 Resp: 175063

Ion	Ratio	Lower	Upper
42	100		
72	46.2	37.0	55.4
71	43.7	35.0	52.4



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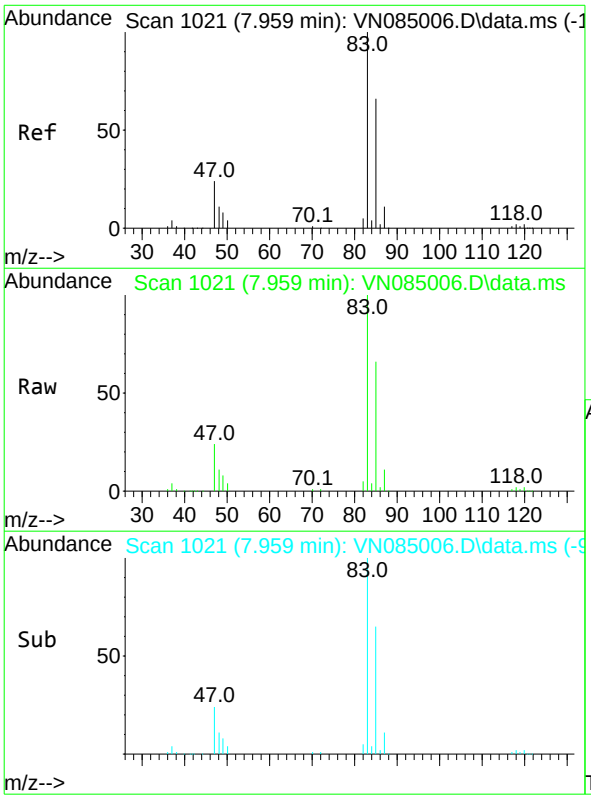
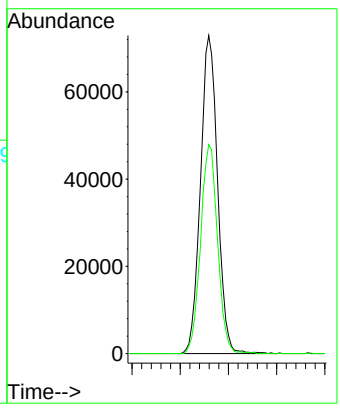
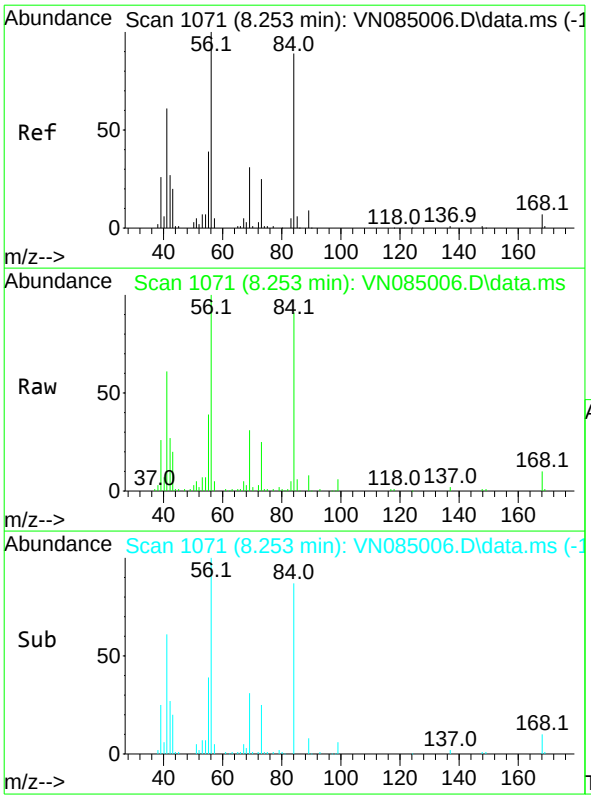


#30
Chloroform
Concen: 47.921 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 83 Resp: 179452

Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.6	78.8

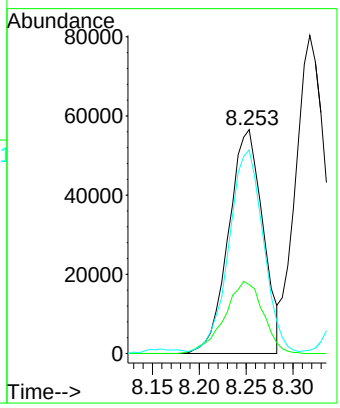




#31
Cyclohexane
Concen: 46.504 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 56 Resp: 144139

Ion	Ratio	Lower	Upper
56	100		
69	30.7	24.6	36.8
84	89.3	71.4	107.2



Instrument :
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ClientSampleId :
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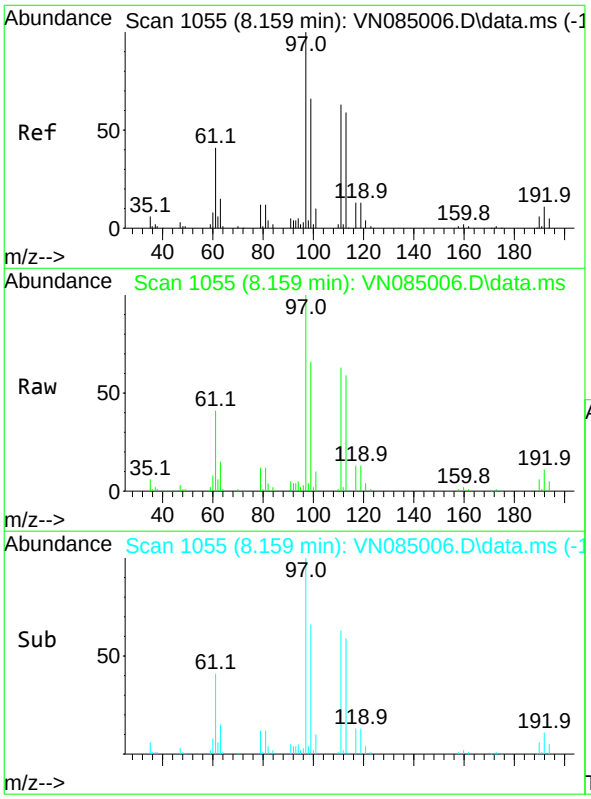
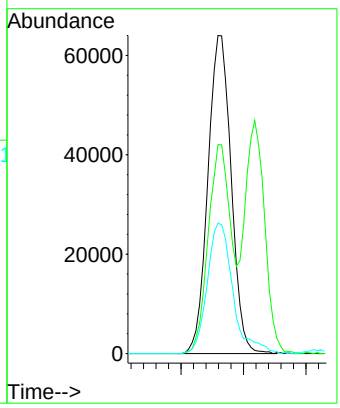
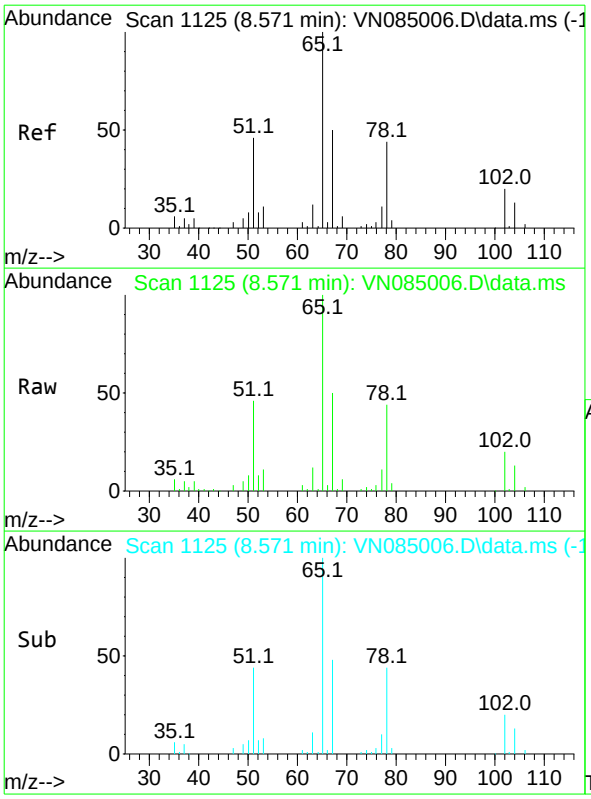


#32
1,1,1-Trichloroethane
Concen: 48.900 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 97 Resp: 165474

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.4
61	45.2	36.2	54.2

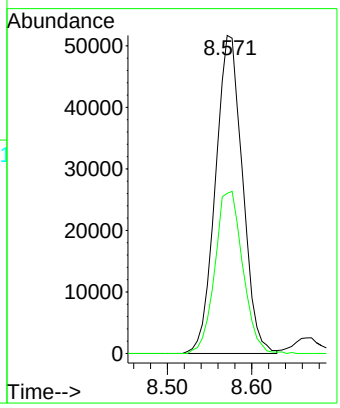




#33
1,2-Dichloroethane-d4
Concen: 49.528 ug/l
RT: 8.571 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 65 Resp: 115244

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	105.0



Instrument :
MSVOA_N
ClientSampleId :
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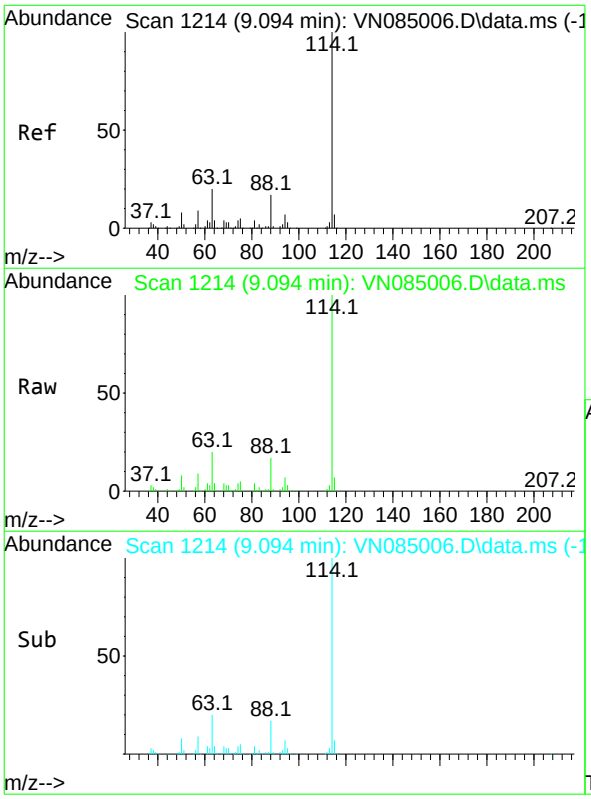
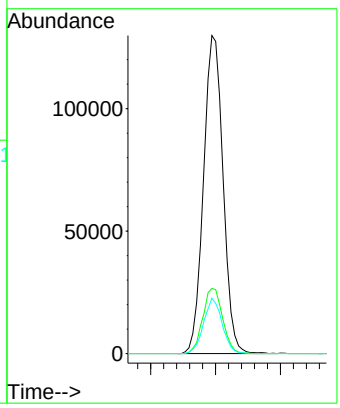
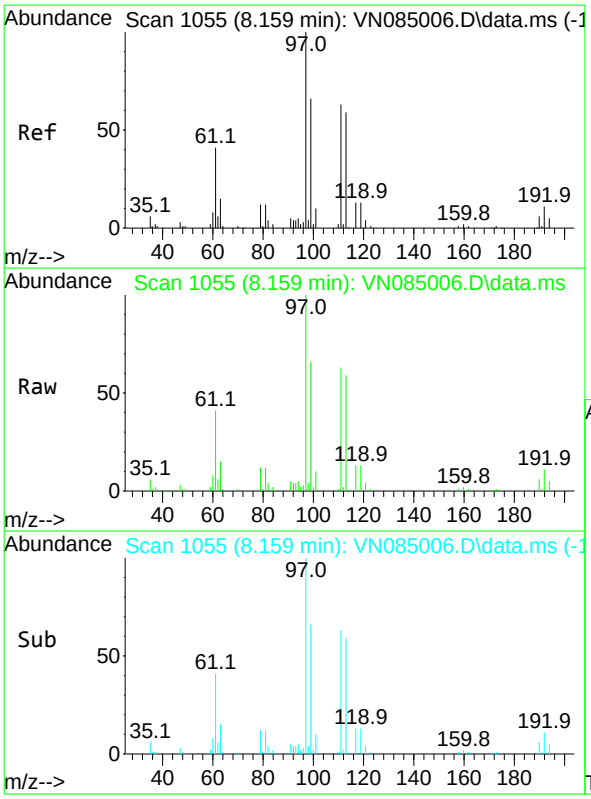


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:114 Resp: 271467

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	41.0
88	17.4	0.0	34.8

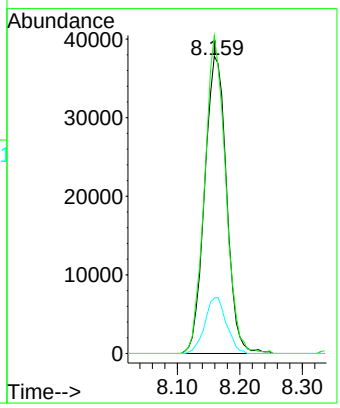




#35
Dibromofluoromethane
Concen: 50.417 ug/l
RT: 8.159 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:113 Resp: 92297

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.0	123.0
192	18.5	14.8	22.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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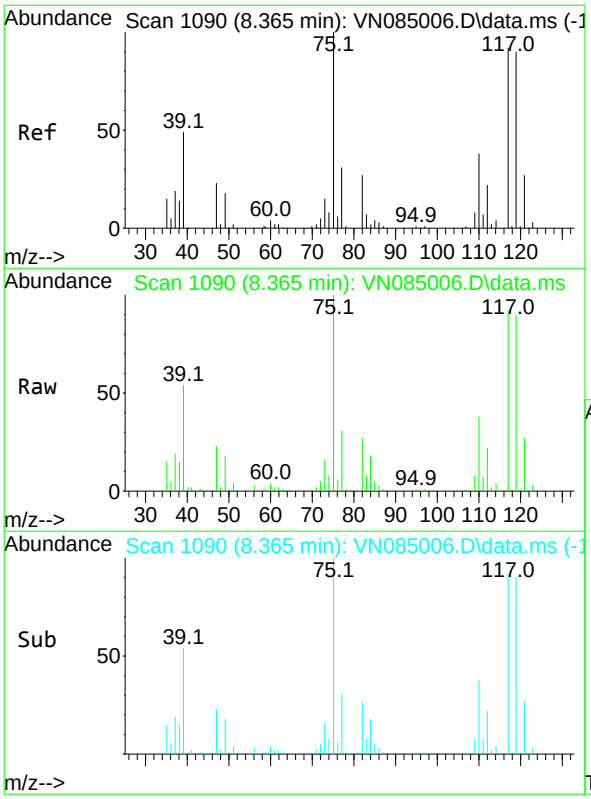
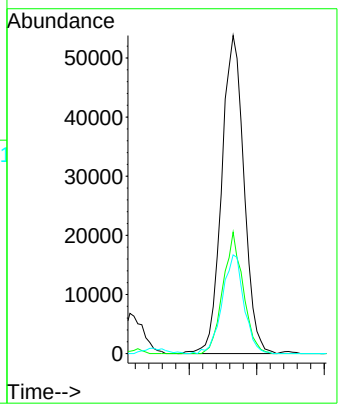
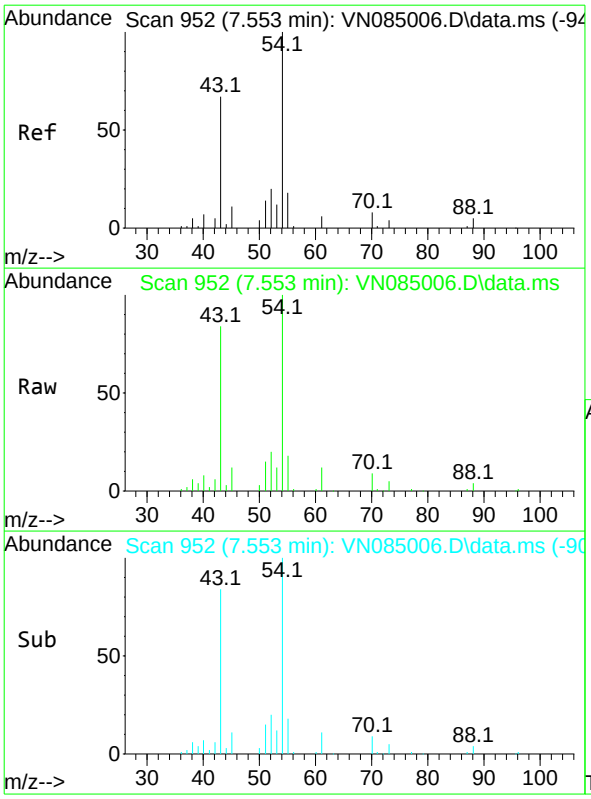


#36
1,1-Dichloropropene
Concen: 49.822 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 75 Resp: 123540

Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.2	51.6
77	30.3	24.2	36.4

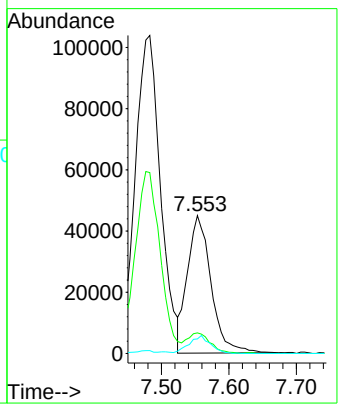




#37
Ethyl Acetate
Concen: 48.484 ug/l
RT: 7.553 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 43 Resp: 109296

Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.7	17.5
70	11.6	9.3	13.9



Instrument :
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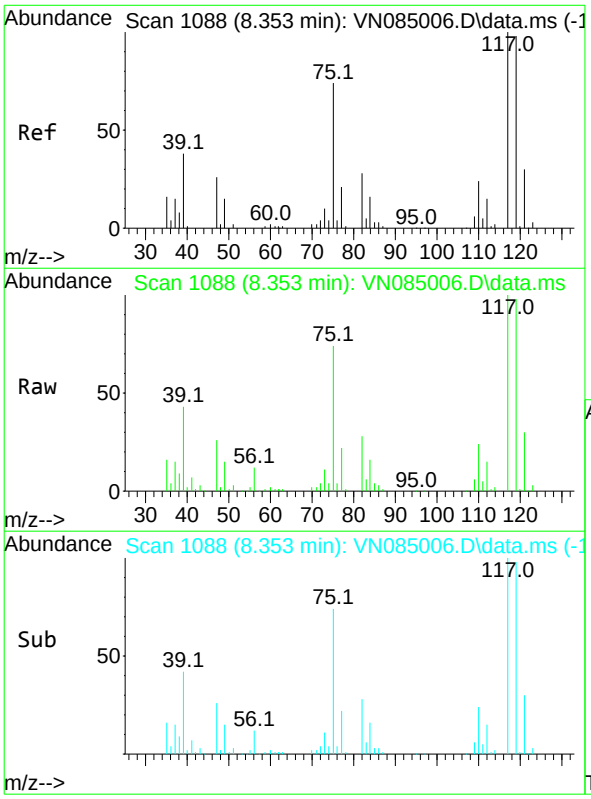
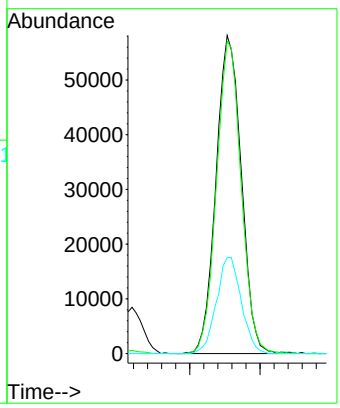
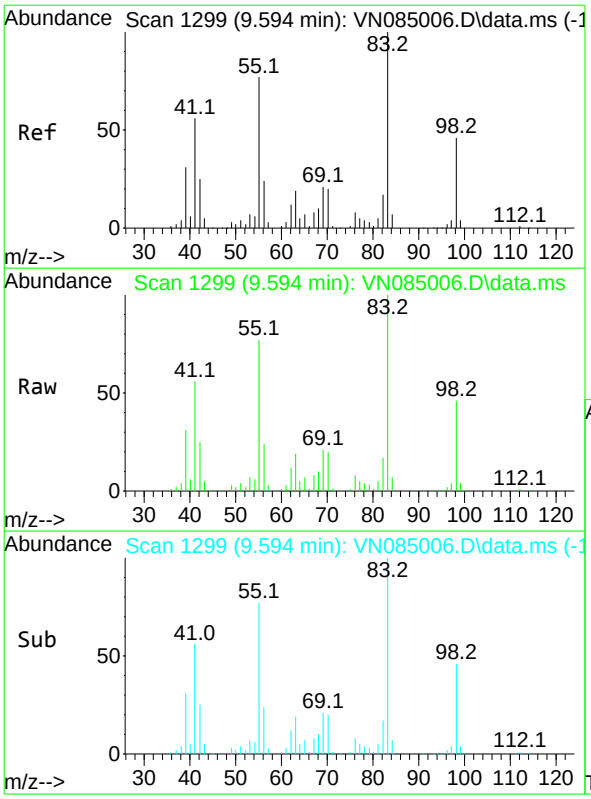


#38
Carbon Tetrachloride
Concen: 50.624 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:117 Resp: 144897

Ion	Ratio	Lower	Upper
117	100		
119	98.2	78.6	117.8
121	30.2	24.2	36.2

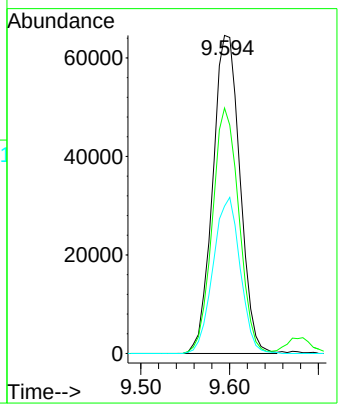




#39
Methylcyclohexane
Concen: 53.395 ug/l
RT: 9.594 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 83 Resp: 137583

Ion	Ratio	Lower	Upper
83	100		
55	77.2	61.8	92.6
98	46.3	37.0	55.6



Instrument :
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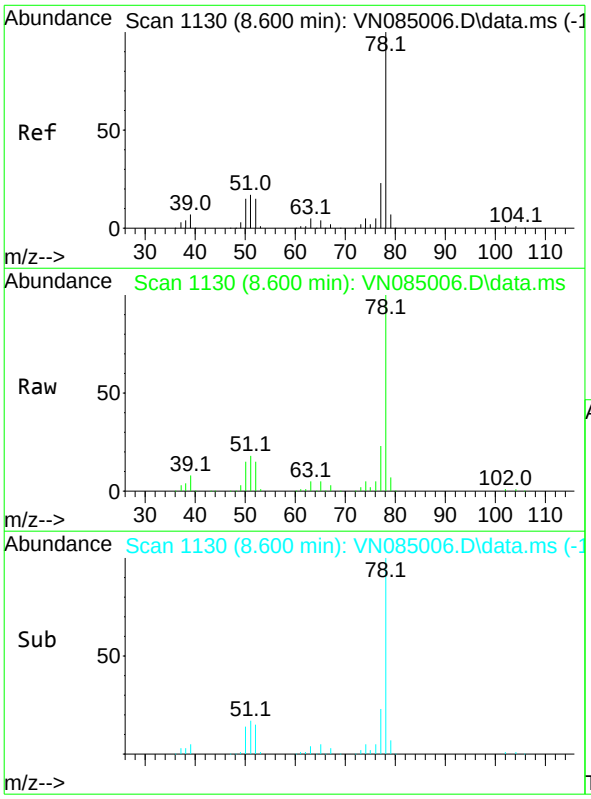
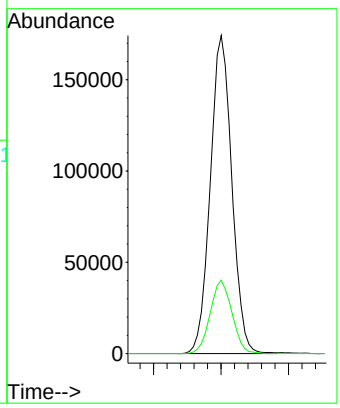
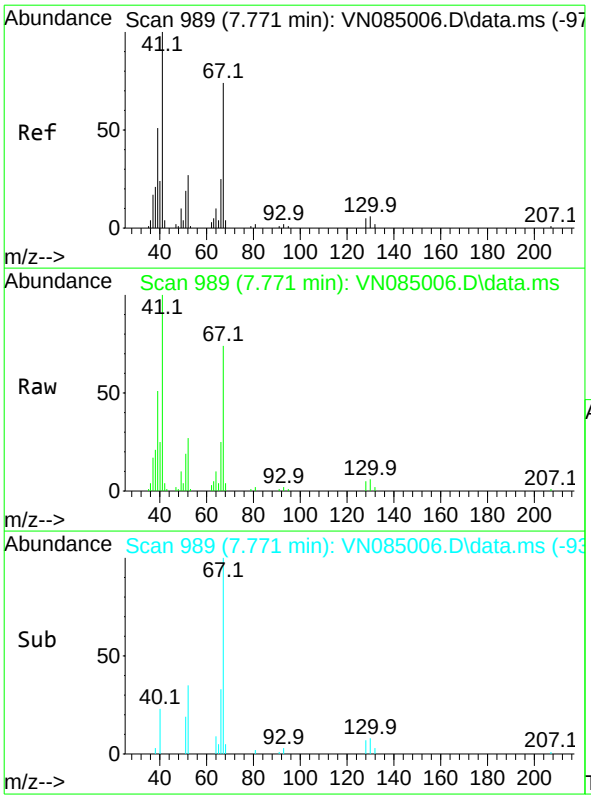


#40
Benzene
Concen: 49.297 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 78 Resp: 386616

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.5	27.7

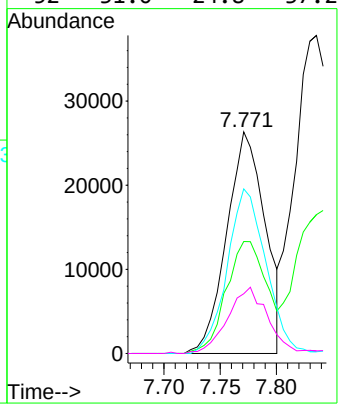




#41
Methacrylonitrile
Concen: 50.102 ug/l
RT: 7.771 min Scan# 98
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 41 Resp: 62534

Ion	Ratio	Lower	Upper
41	100		
39	53.2	42.6	63.8
67	74.9	59.9	89.9
52	31.0	24.8	37.2



Instrument :
MSVOA_N
ClientSampleId :
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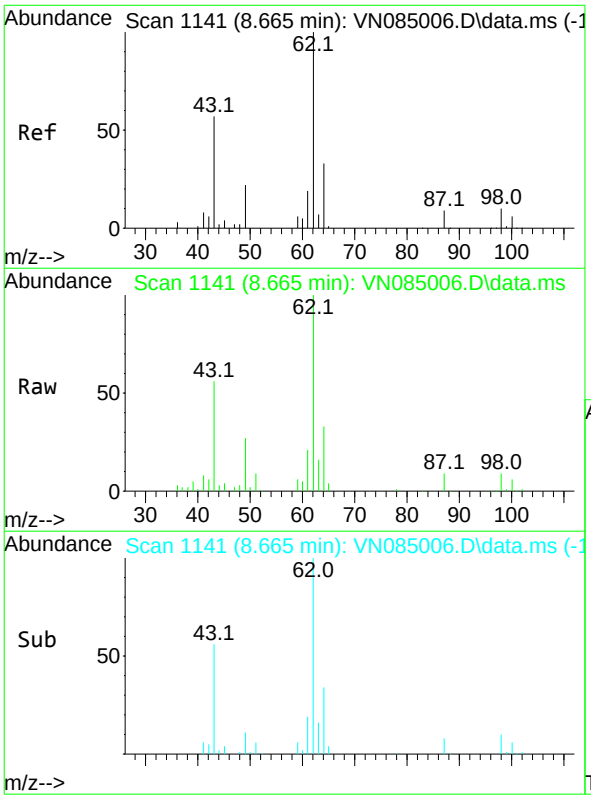
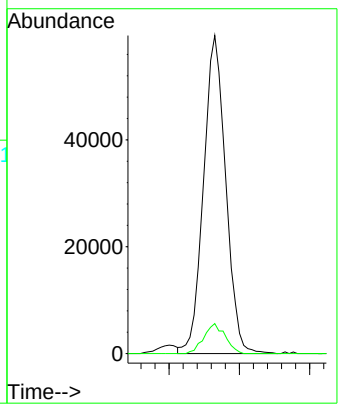
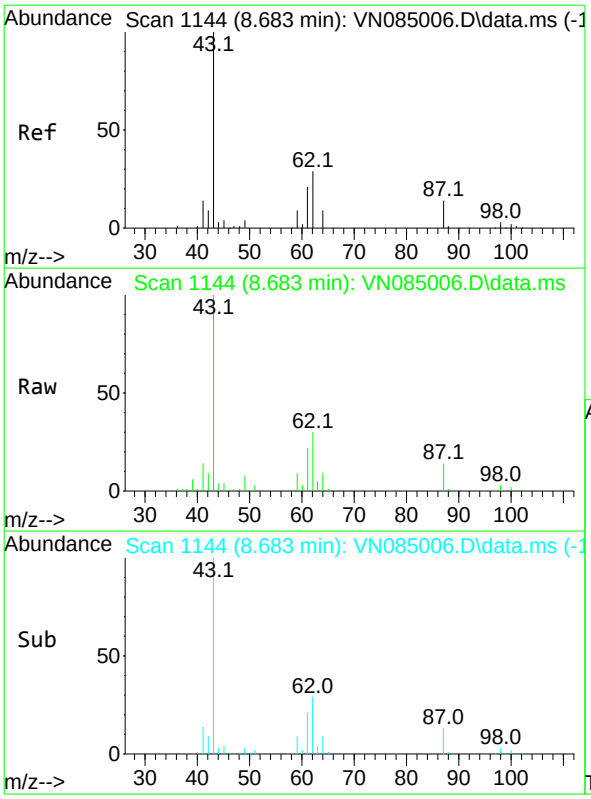


#42
1,2-Dichloroethane
Concen: 48.616 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 62 Resp: 130440

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2

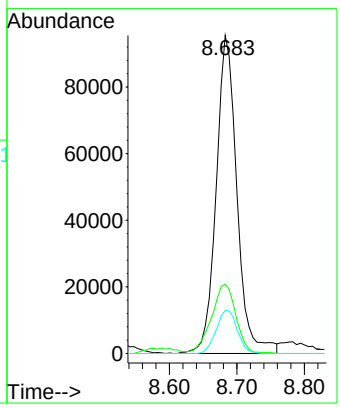




#43
Isopropyl Acetate
Concen: 43.670 ug/l
RT: 8.683 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 43 Resp: 204483

Ion	Ratio	Lower	Upper
43	100		
61	25.7	20.6	30.8
87	13.7	11.0	16.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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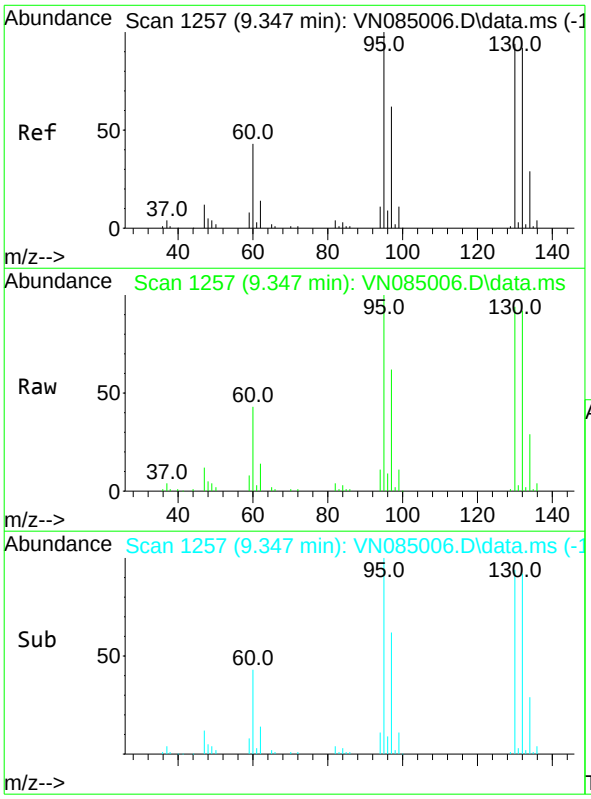
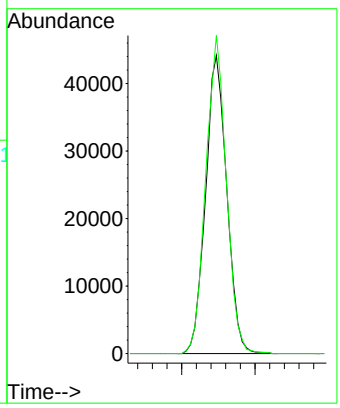
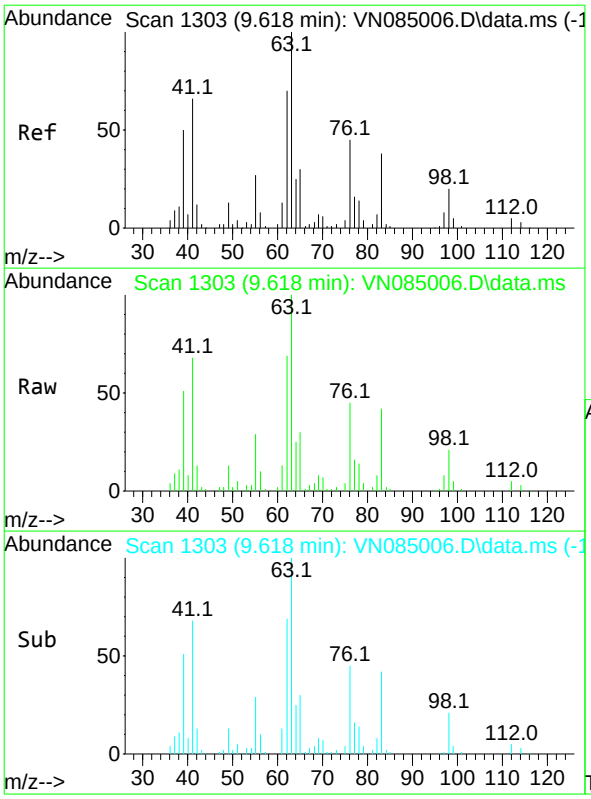


#44
Trichloroethene
Concen: 48.692 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:130 Resp: 88746

Ion	Ratio	Lower	Upper
130	100		
95	106.7	0.0	213.4

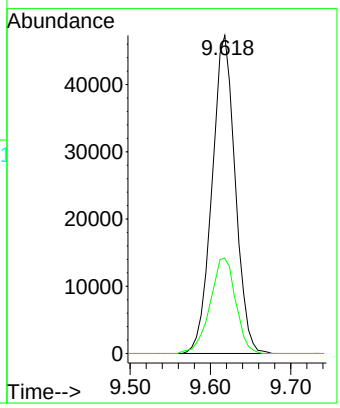




#45
1,2-Dichloropropane
Concen: 49.013 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 63 Resp: 94677

Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.0	36.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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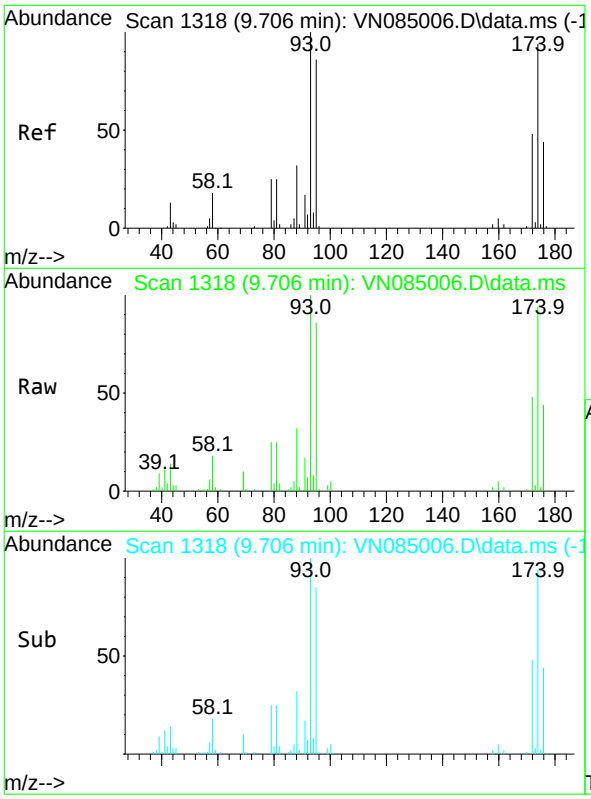
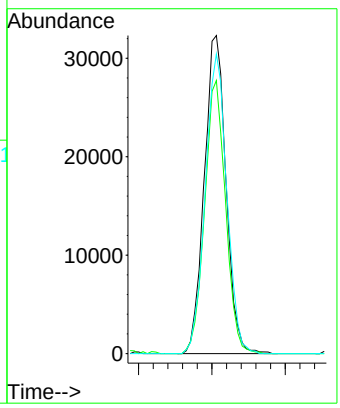
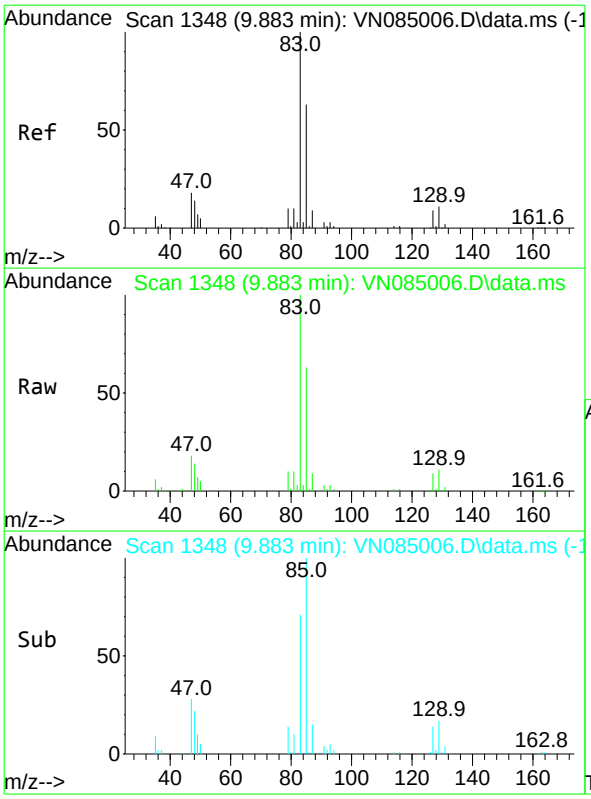


#46
Dibromomethane
Concen: 49.447 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 93 Resp: 66370

Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.2	99.4
174	93.6	74.9	112.3

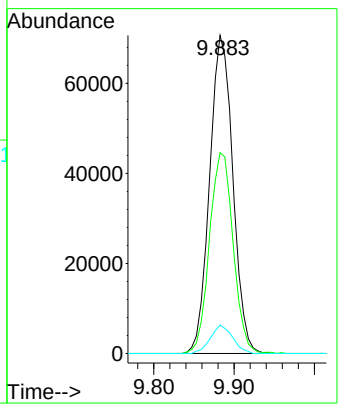




#47
Bromodichloromethane
Concen: 49.849 ug/l
RT: 9.883 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 83 Resp: 141808

Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.5	75.7
127	8.9	7.1	10.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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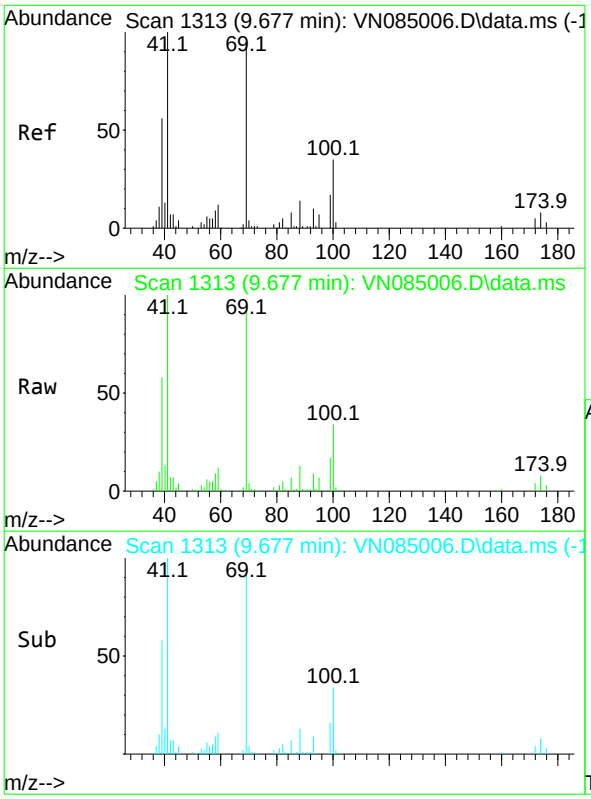
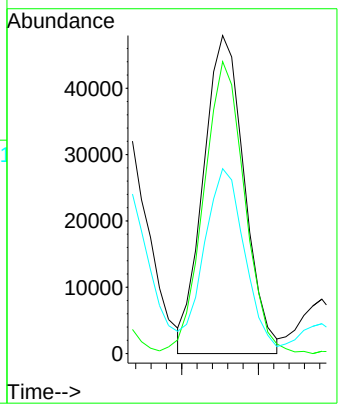
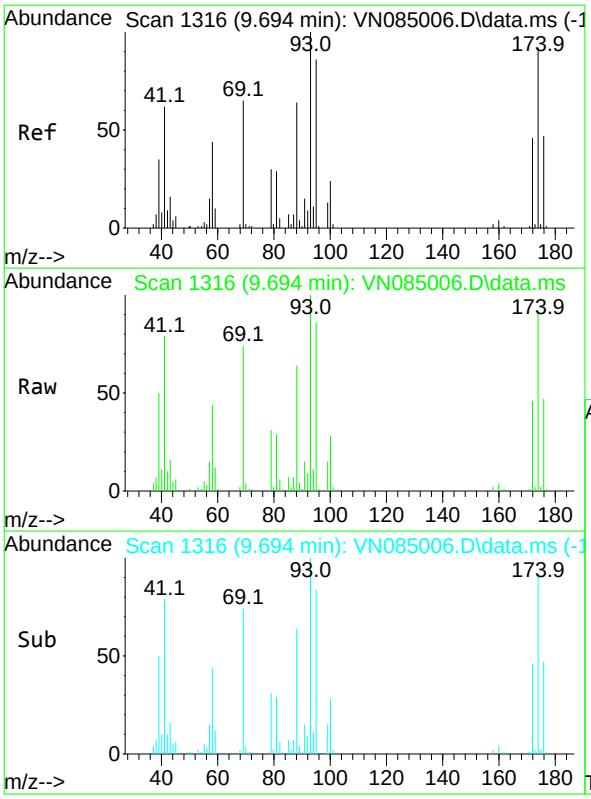


#48
Methyl methacrylate
Concen: 51.193 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 41 Resp: 89202

Ion	Ratio	Lower	Upper
41	100		
69	91.5	73.2	109.8
39	57.8	46.2	69.4

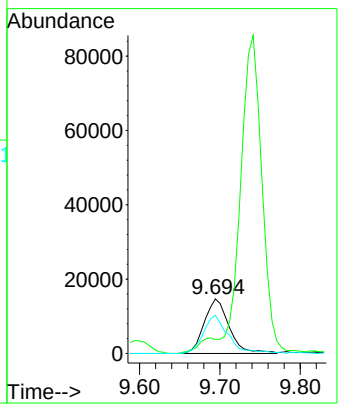




#49
1,4-Dioxane
Concen: 1044.331 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 88 Resp: 31557

Ion	Ratio	Lower	Upper
88	100		
43	20.9	16.7	25.1
58	70.6	56.5	84.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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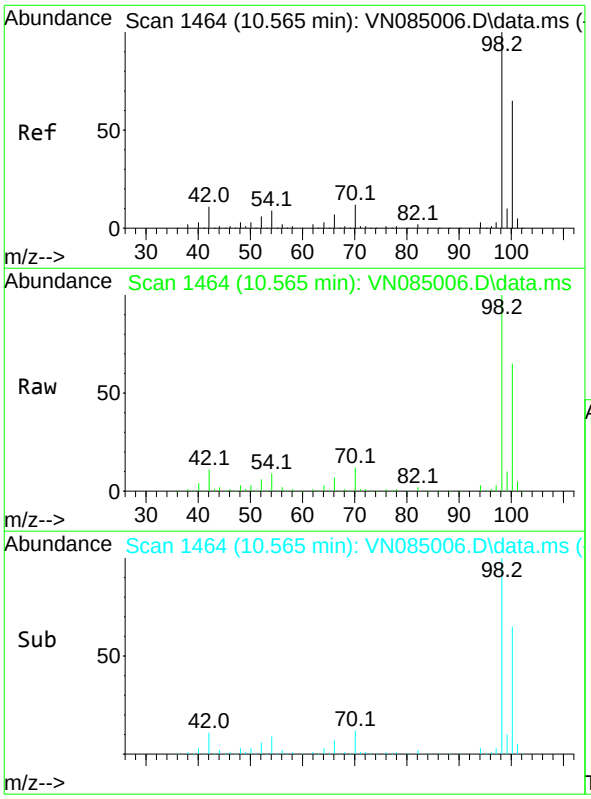
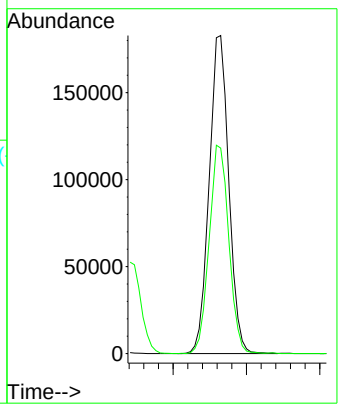
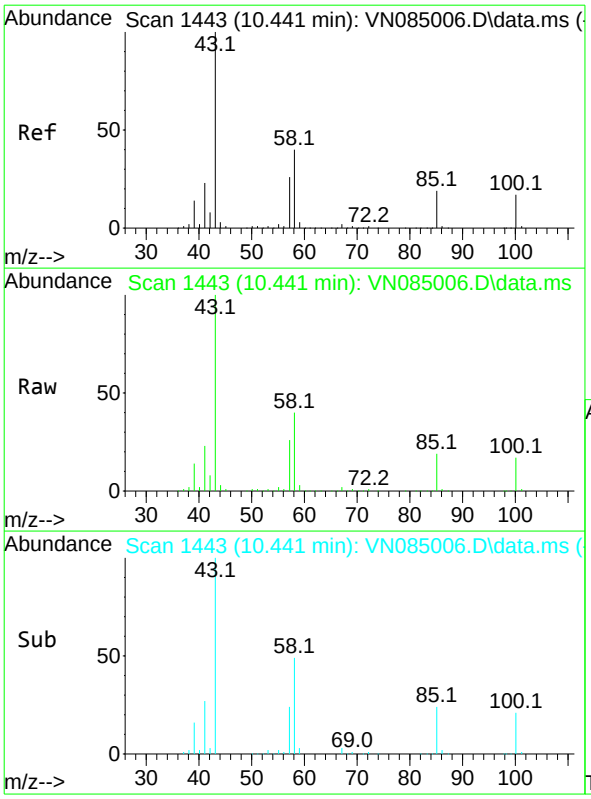


#50
Toluene-d8
Concen: 51.662 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 98 Resp: 338938

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.5	78.7

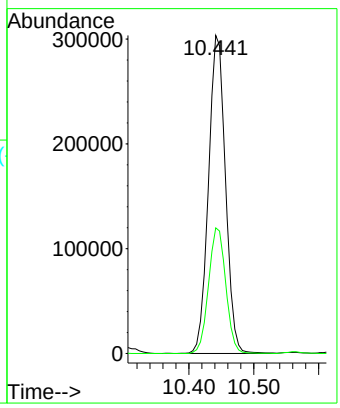




#51
4-Methyl-2-Pentanone
Concen: 257.854 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 43 Resp: 551484

Ion	Ratio	Lower	Upper
43	100		
58	40.1	32.1	48.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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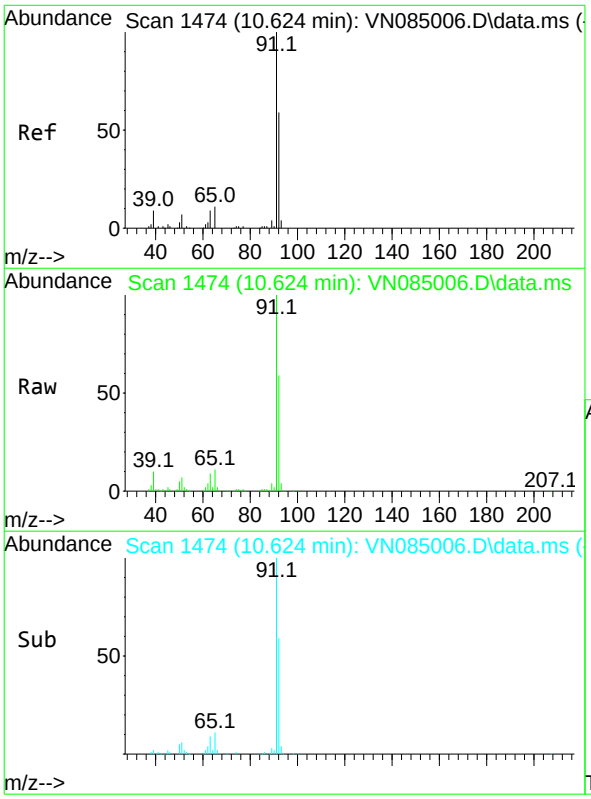
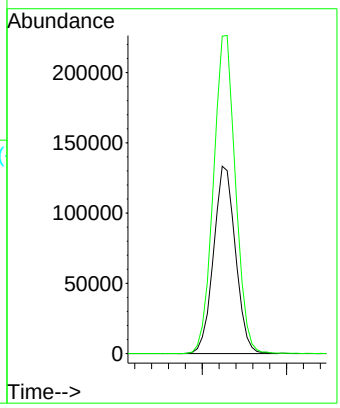
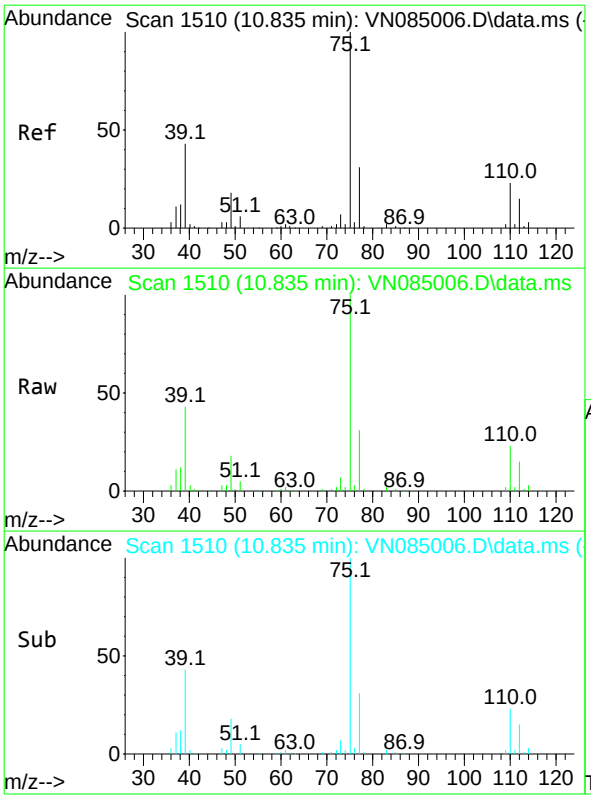


#52
Toluene
Concen: 51.850 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 92 Resp: 240730

Ion	Ratio	Lower	Upper
92	100		
91	170.9	136.7	205.1

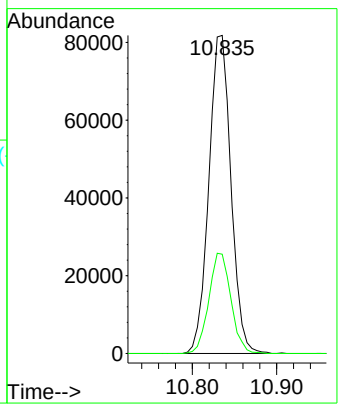




#53
t-1,3-Dichloropropene
Concen: 52.241 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 75 Resp: 148995

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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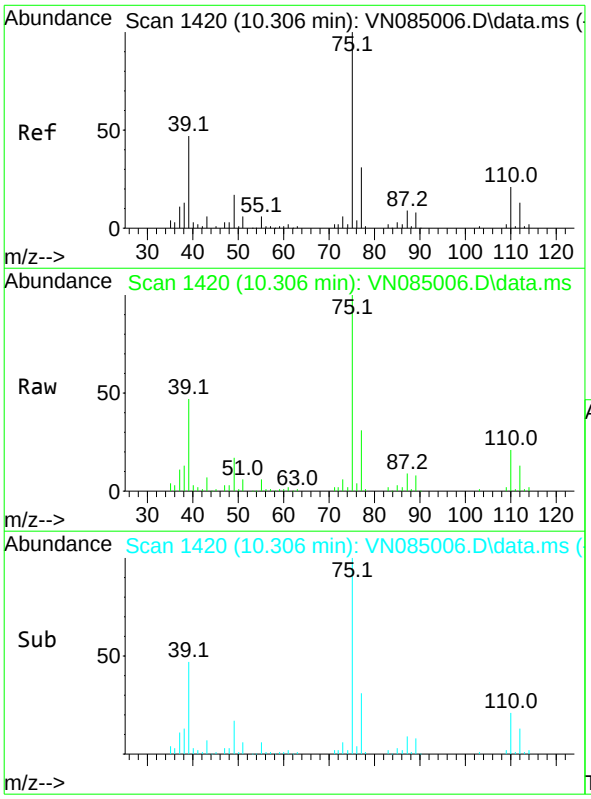
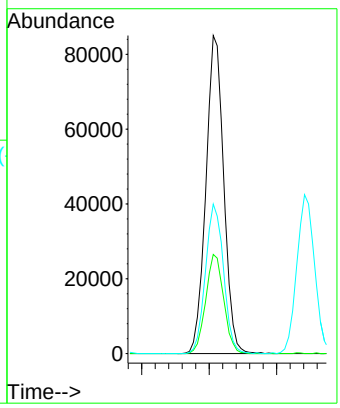
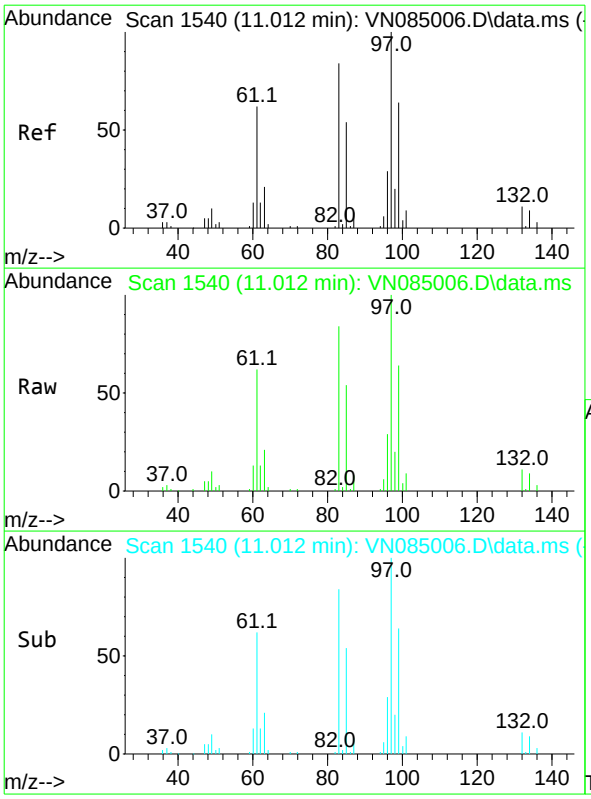


#54
cis-1,3-Dichloropropene
Concen: 51.671 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 75 Resp: 156342

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4
39	47.0	37.6	56.4

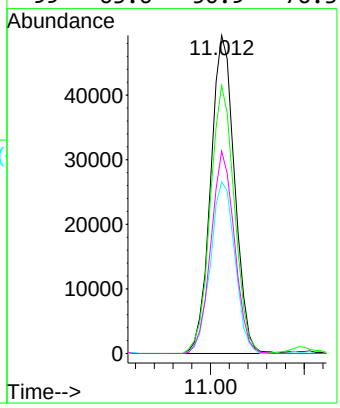




#55
1,1,2-Trichloroethane
Concen: 50.501 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 97 Resp: 87334

Ion	Ratio	Lower	Upper
97	100		
83	84.3	67.4	101.2
85	53.9	43.1	64.7
99	63.6	50.9	76.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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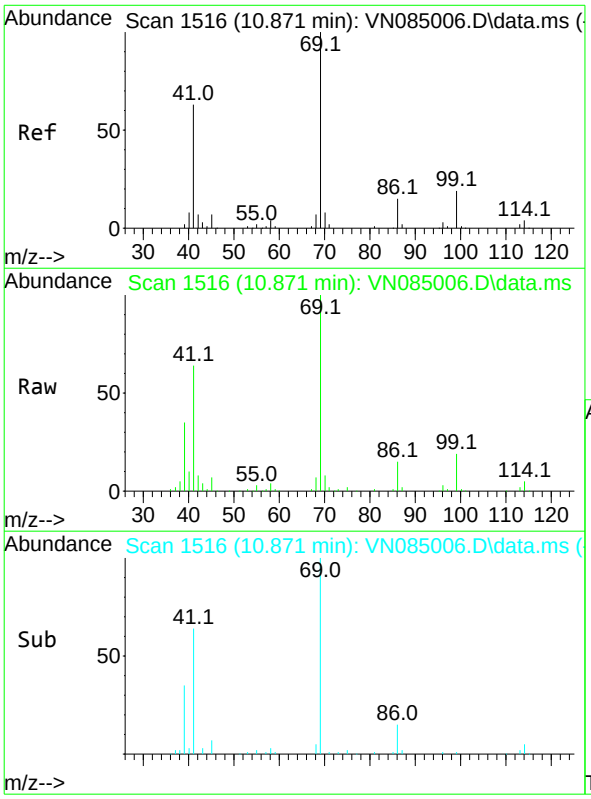
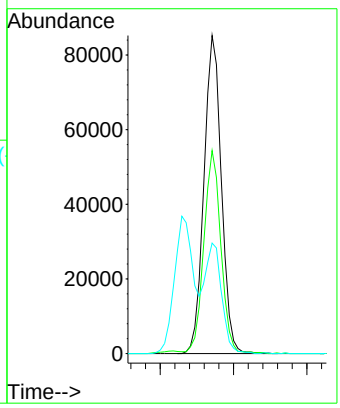
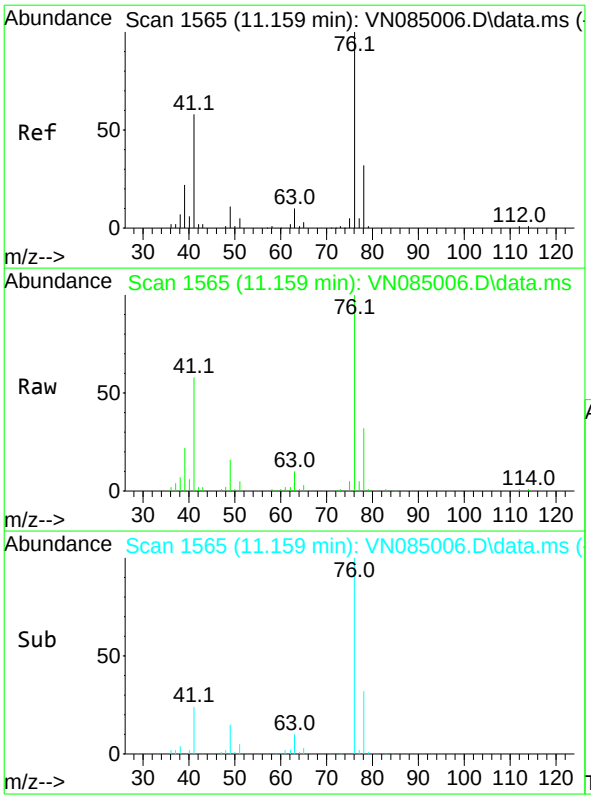


#56
Ethyl methacrylate
Concen: 55.617 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 69 Resp: 140546

Ion	Ratio	Lower	Upper
69	100		
41	62.5	50.0	75.0
39	33.8	27.0	40.6

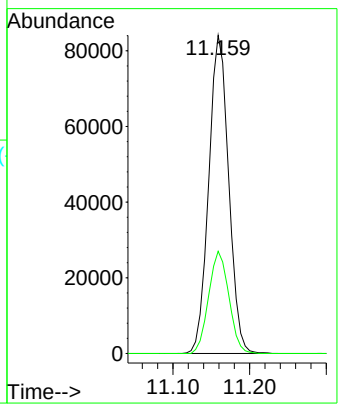




#57
1,3-Dichloropropane
Concen: 49.800 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 76 Resp: 151573

Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.1	39.1



Instrument :
MSVOA_N
ClientSampleId :
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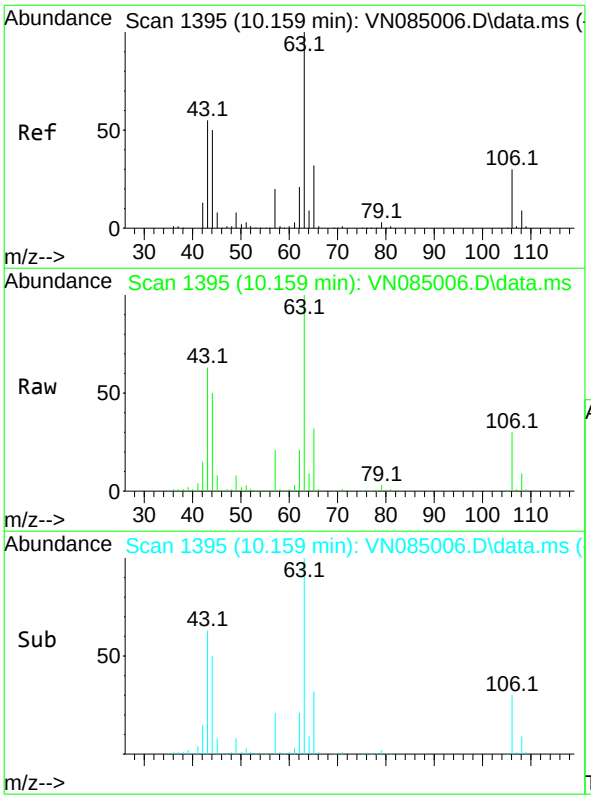
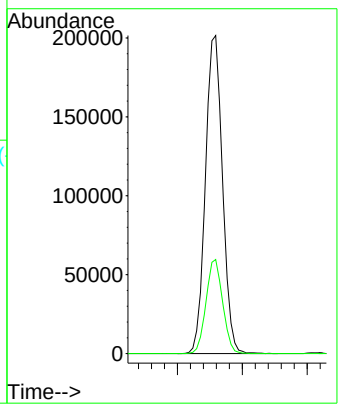
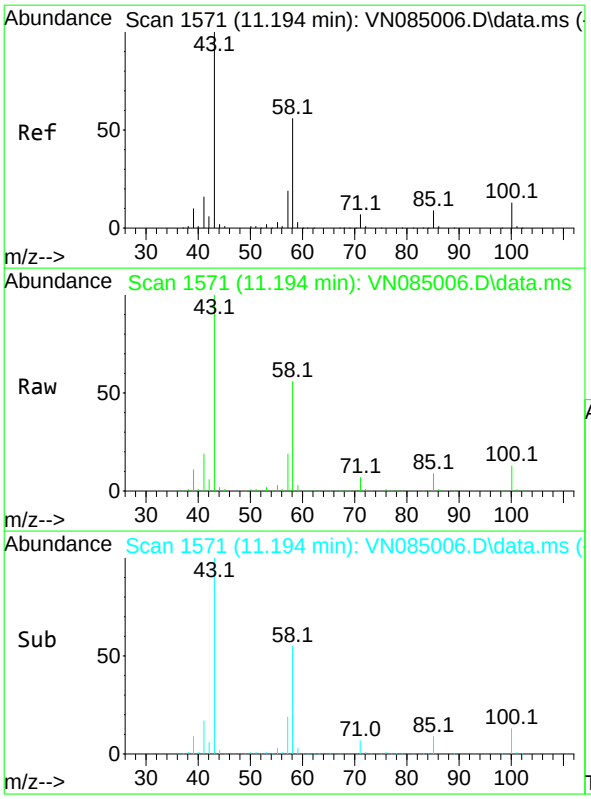


#58
2-Chloroethyl Vinyl ether
Concen: 297.030 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 63 Resp: 368190

Ion	Ratio	Lower	Upper
63	100		
106	28.8	23.0	34.6

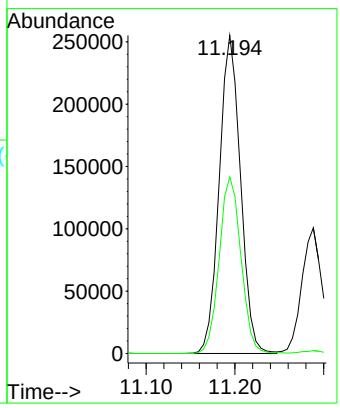




#59
2-Hexanone
Concen: 265.165 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 43 Resp: 424152

Ion	Ratio	Lower	Upper
43	100		
58	56.7	28.3	85.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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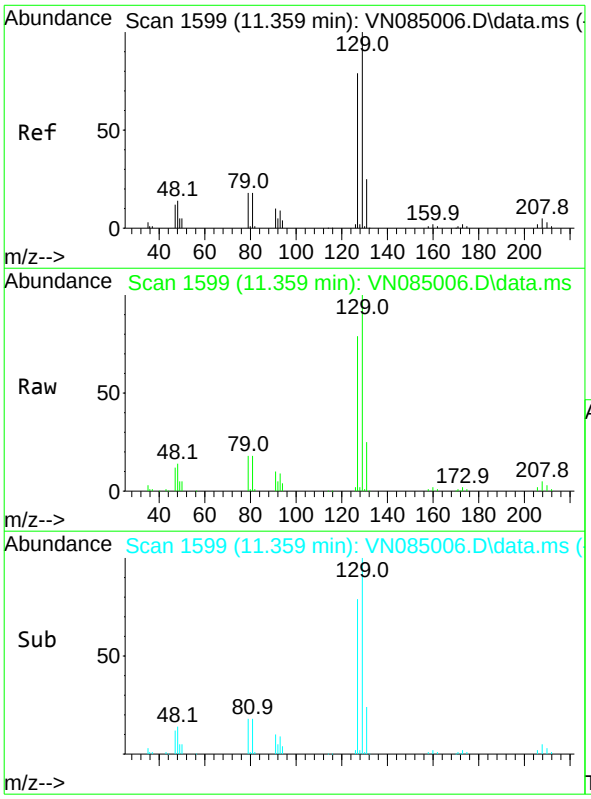
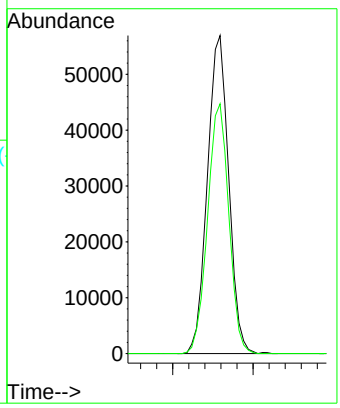
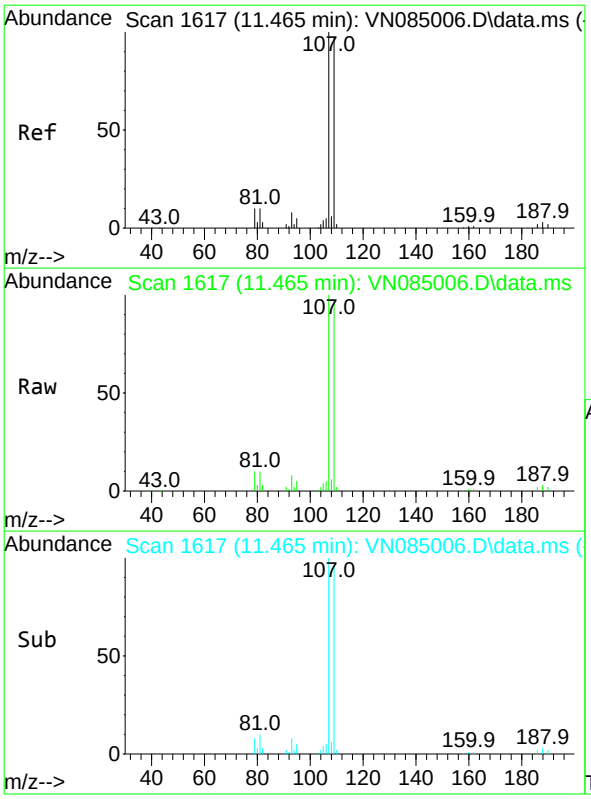


#60
Dibromochloromethane
Concen: 49.538 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:129 Resp: 104699

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.2	117.6





#61
1,2-Dibromoethane
Concen: 49.991 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:107 Resp: 89471

Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.1	114.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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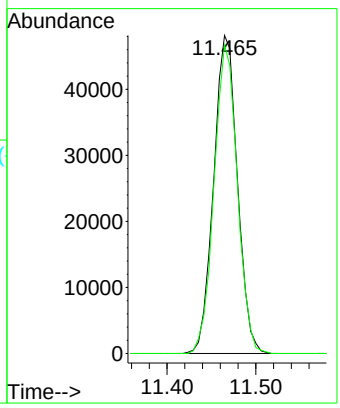
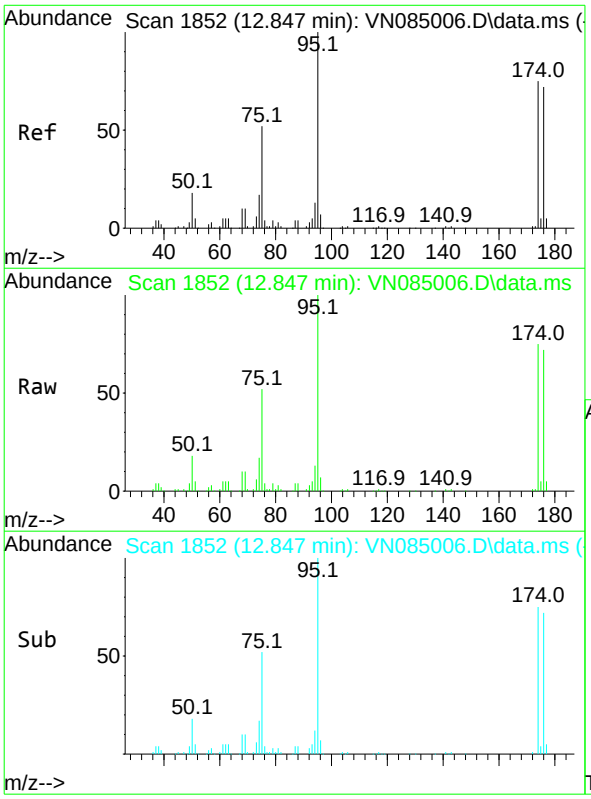
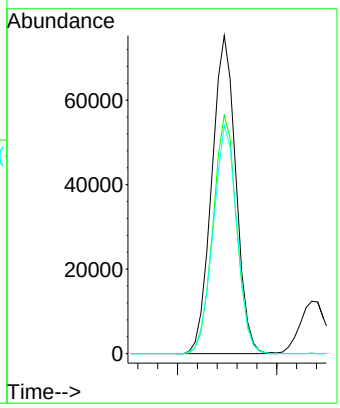


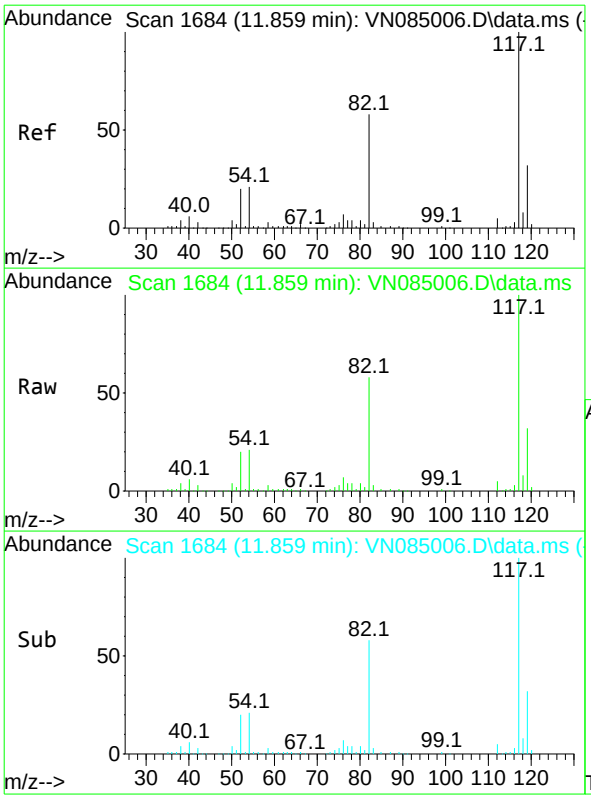


#62
4-Bromofluorobenzene
Concen: 51.698 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 95 Resp: 126840

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	146.6
176	70.9	0.0	141.8

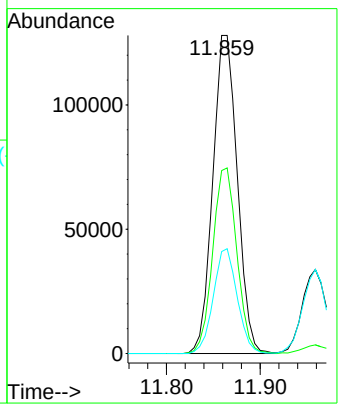




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:117 Resp: 232158

Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.0	69.0
119	32.0	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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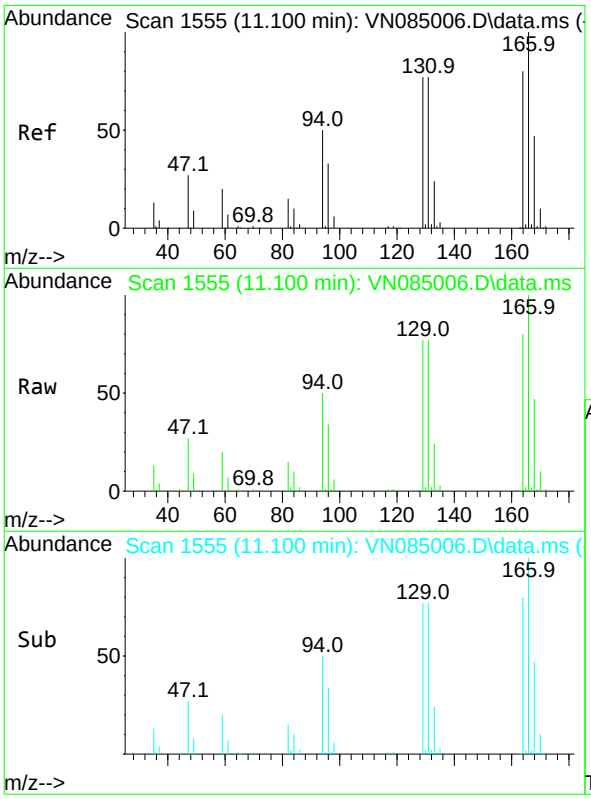
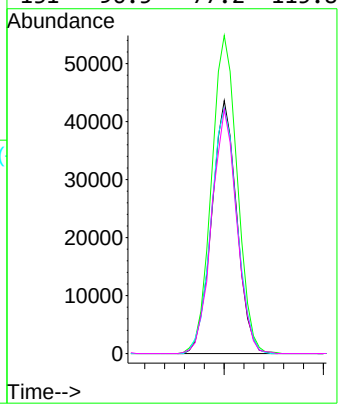
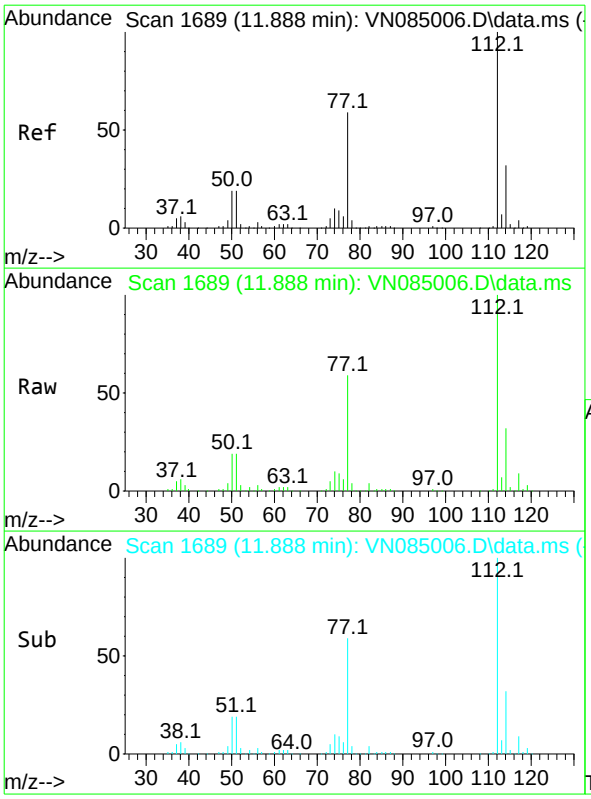


#64
Tetrachloroethene
Concen: 48.747 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:164 Resp: 76257

Ion	Ratio	Lower	Upper
164	100		
166	125.8	100.6	151.0
129	97.1	77.7	116.5
131	96.5	77.2	115.8

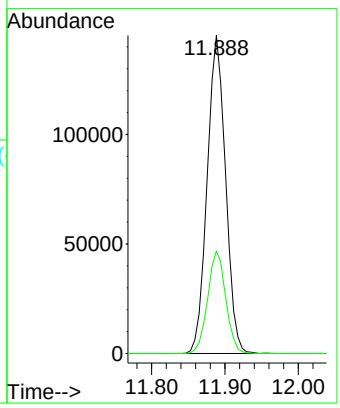




#65
Chlorobenzene
Concen: 48.041 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:112 Resp: 252937

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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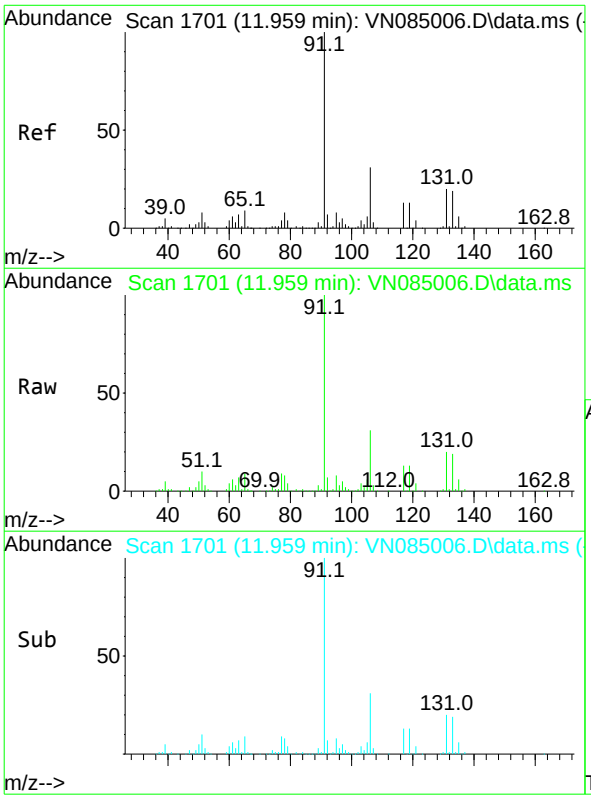
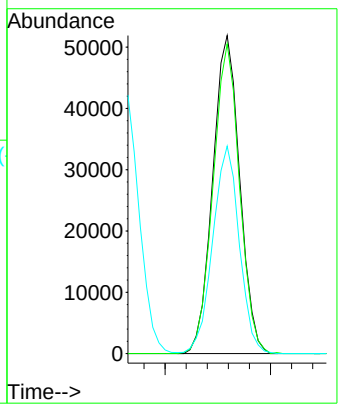
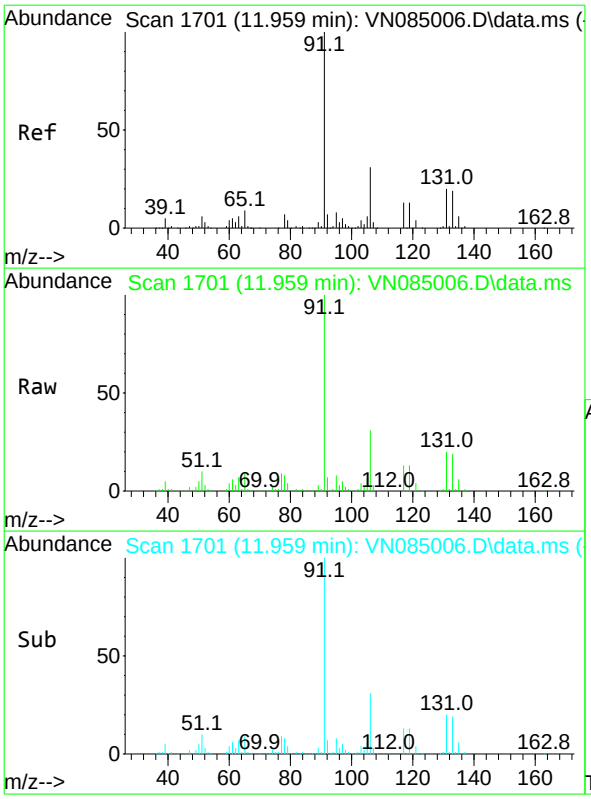


#66
1,1,1,2-Tetrachloroethane
Concen: 49.785 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:131 Resp: 92289

Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.8	143.4
119	64.2	32.1	96.3

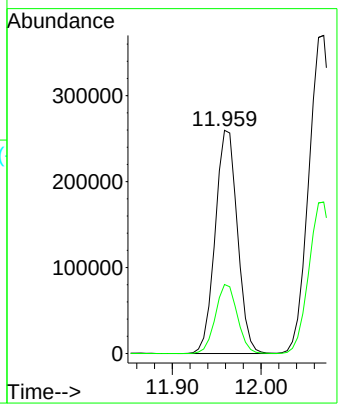




#67
Ethyl Benzene
Concen: 52.856 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 91 Resp: 451491

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.7	37.1



Instrument :
MSVOA_N
ClientSampleId :
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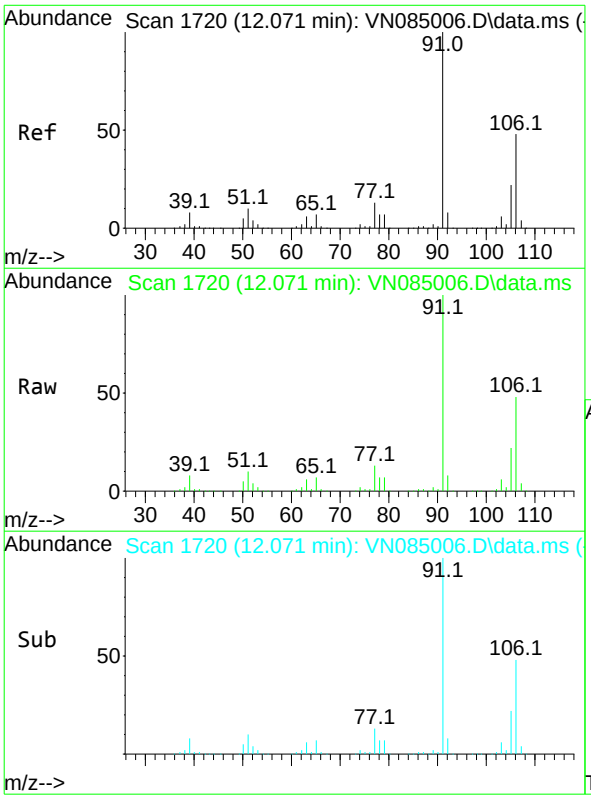
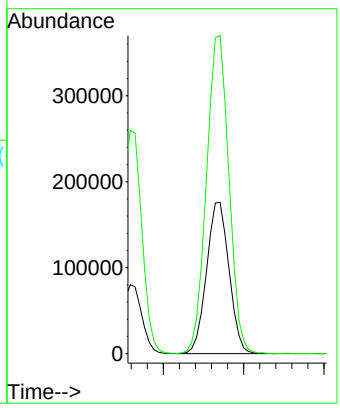
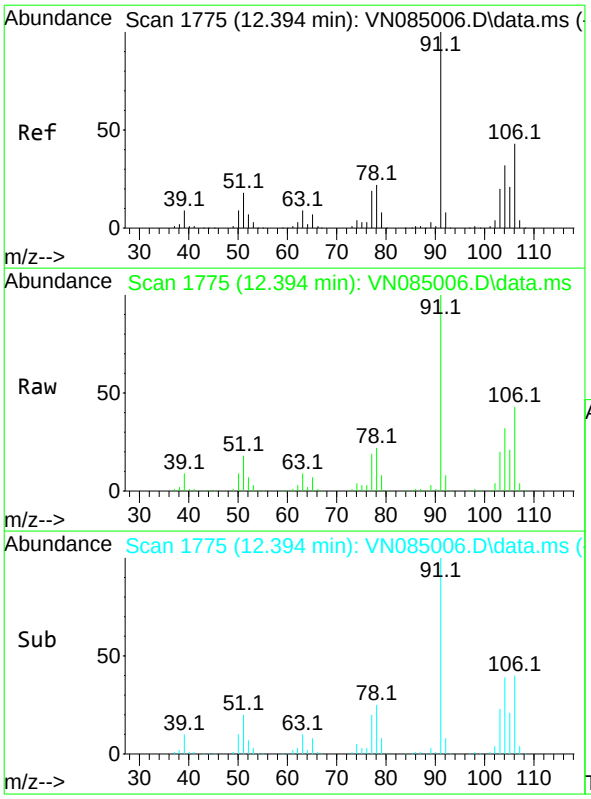


#68
m/p-Xylenes
Concen: 105.174 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:106 Resp: 342033

Ion	Ratio	Lower	Upper
106	100		
91	210.0	168.0	252.0

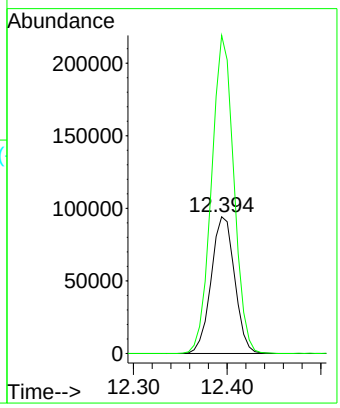




#69
o-Xylene
Concen: 53.059 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:106 Resp: 164137

Ion	Ratio	Lower	Upper
106	100		
91	221.3	110.7	331.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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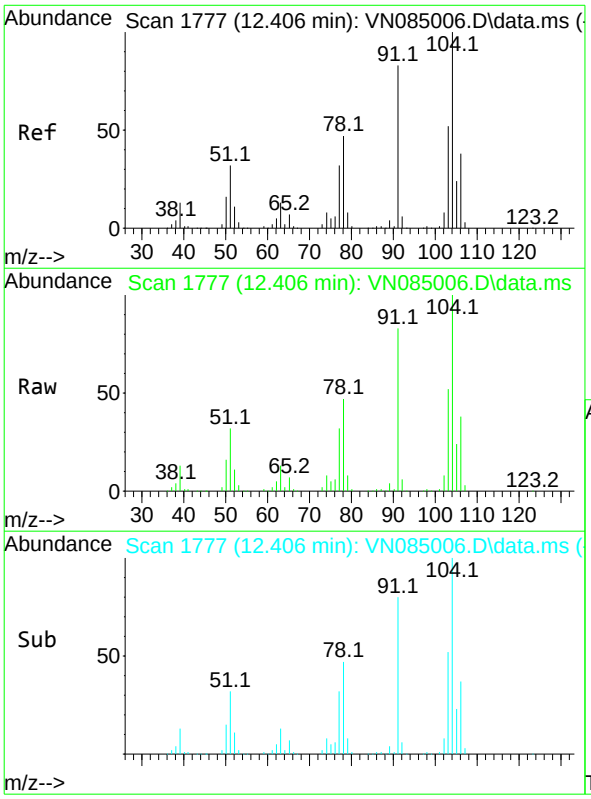
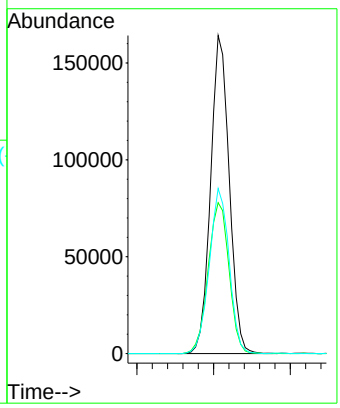
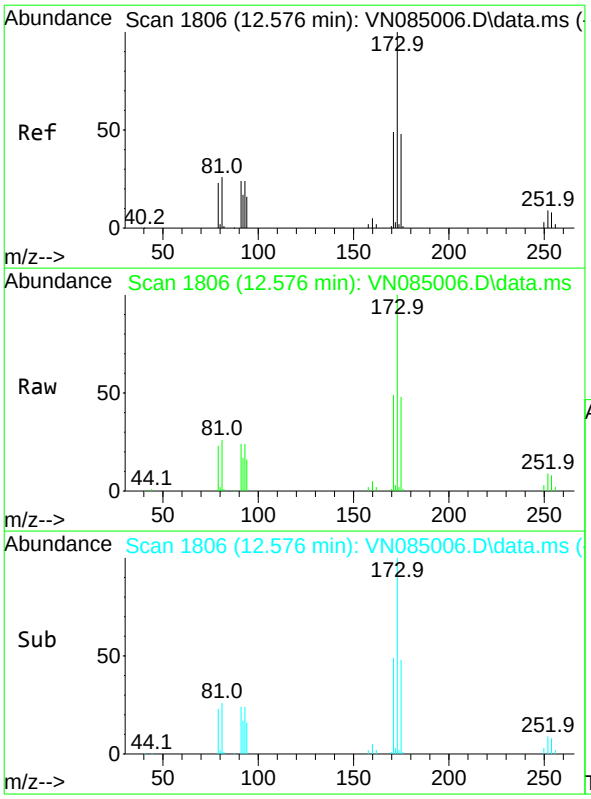


#70
Styrene
Concen: 53.912 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:104 Resp: 277349

Ion	Ratio	Lower	Upper
104	100		
78	52.9	42.3	63.5
103	55.2	44.2	66.2

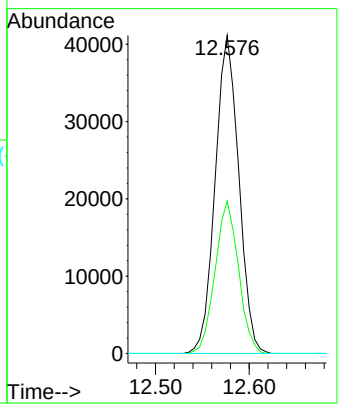




#71
Bromoform
Concen: 52.221 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:173 Resp: 71858

Ion	Ratio	Lower	Upper
173	100		
175	47.5	23.8	71.2
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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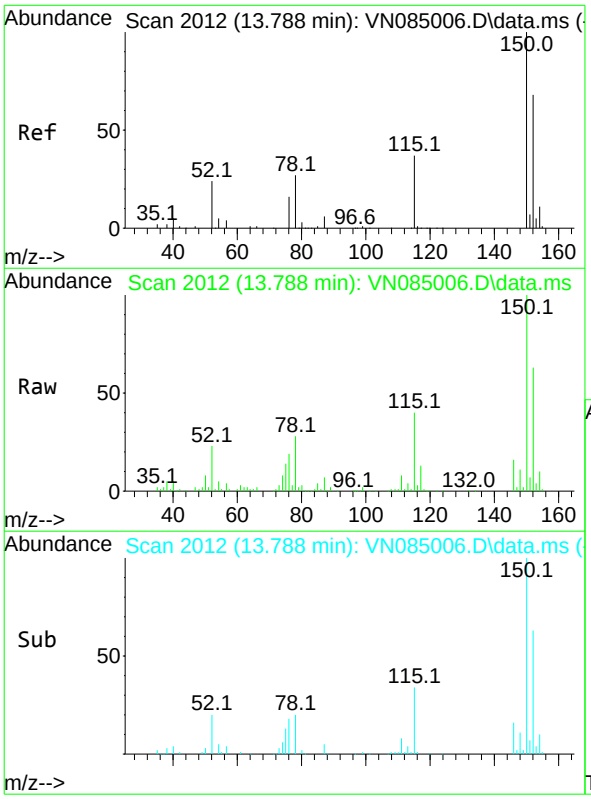
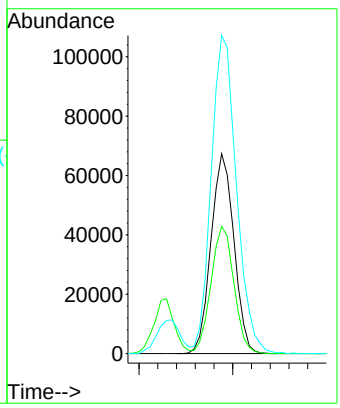
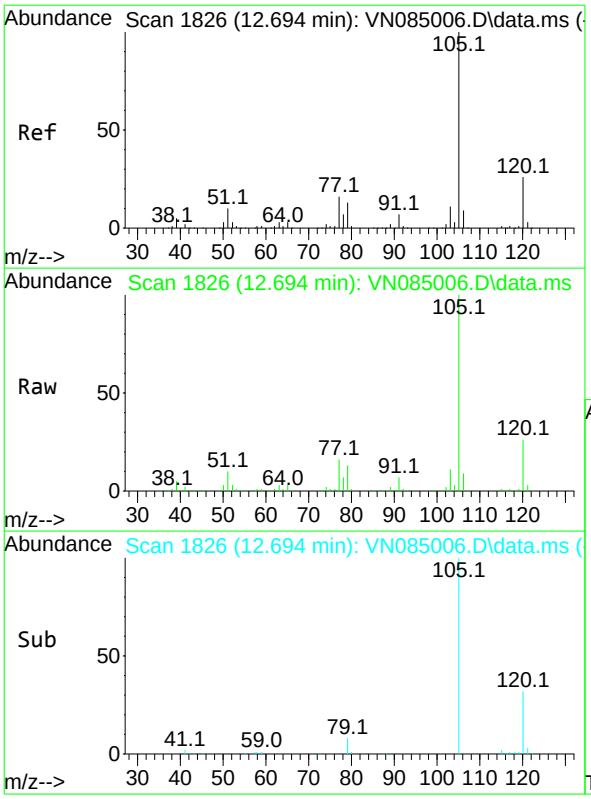


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:152 Resp: 114469

Ion	Ratio	Lower	Upper
152	100		
115	63.4	31.7	95.1
150	175.7	0.0	351.4

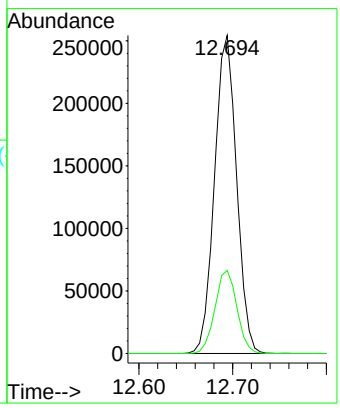




#73
Isopropylbenzene
Concen: 51.479 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:105 Resp: 415716

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	39.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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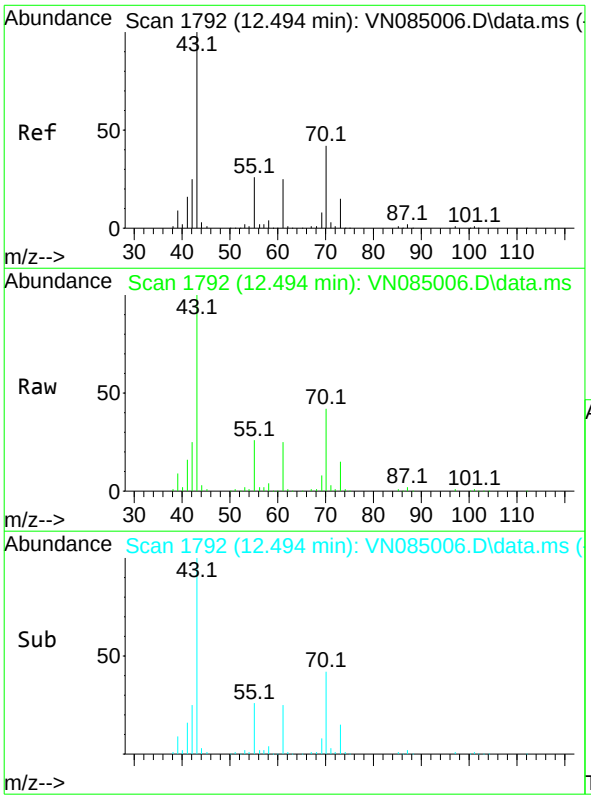
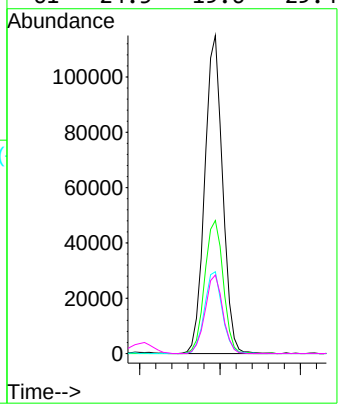
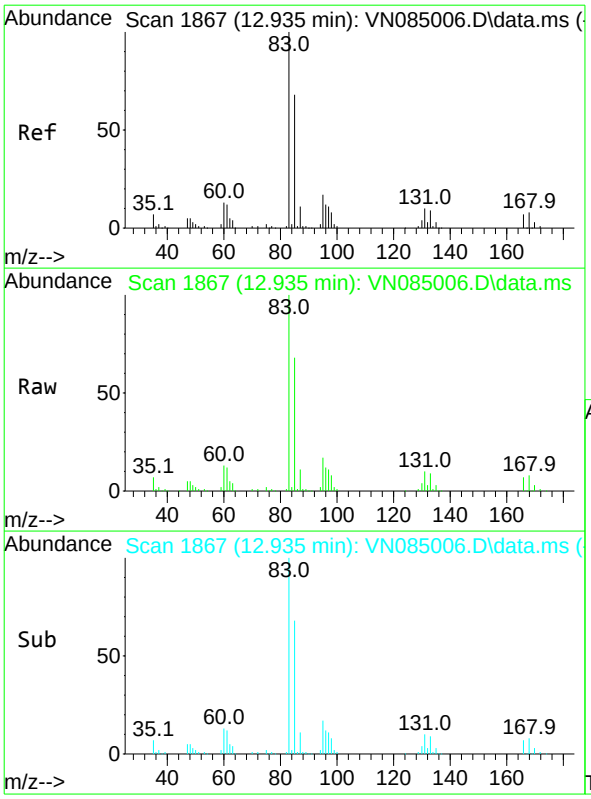


#74
N-amyl acetate
Concen: 53.396 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 43 Resp: 177685

Ion	Ratio	Lower	Upper
43	100		
70	43.2	34.6	51.8
55	25.6	20.5	30.7
61	24.5	19.6	29.4

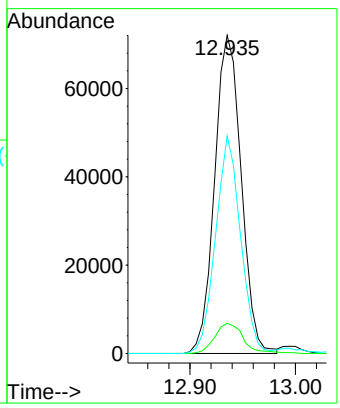




#75
1,1,2,2-Tetrachloroethane
Concen: 45.771 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 83 Resp: 126215

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.4
85	64.2	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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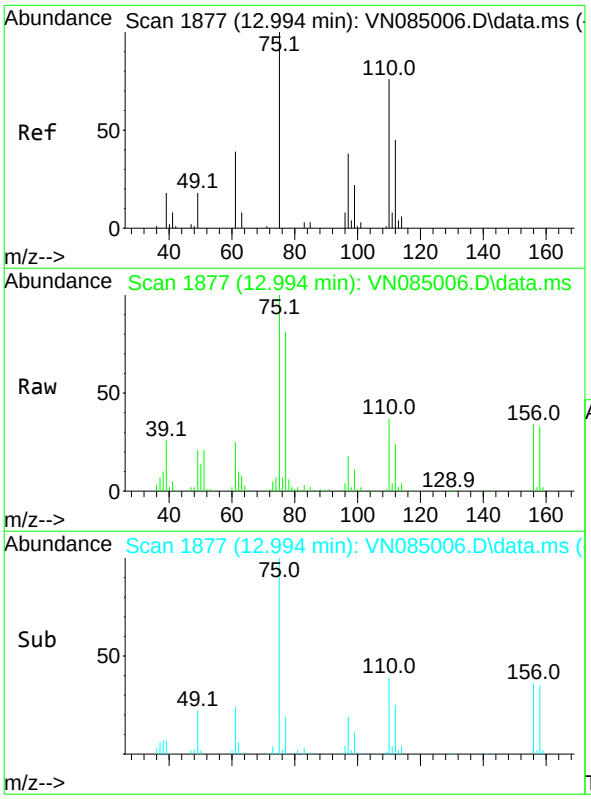
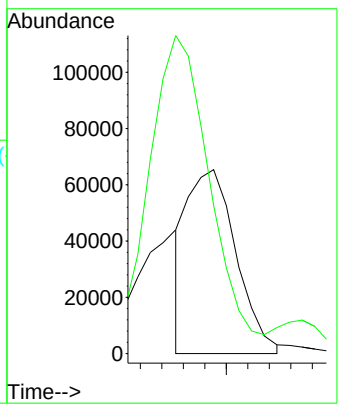
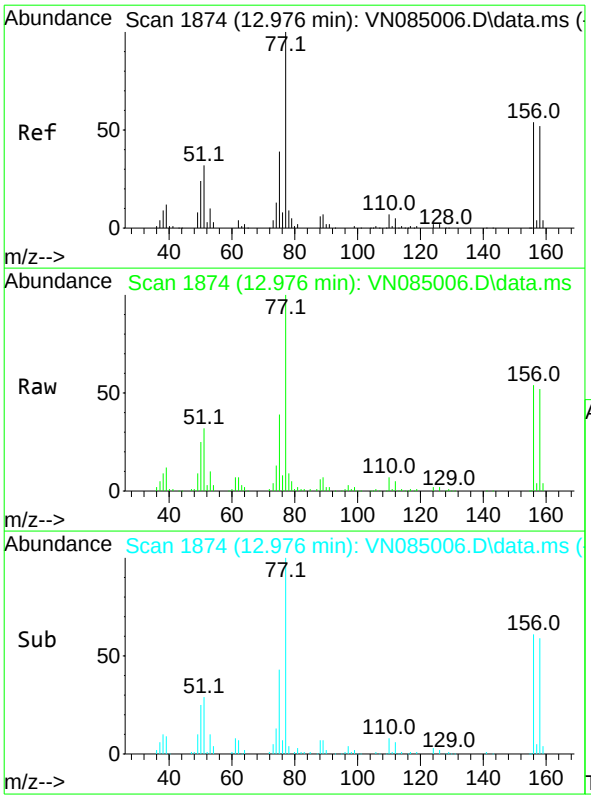


#76
1,2,3-Trichloropropane
Concen: 48.246 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 75 Resp: 103311

Ion	Ratio	Lower	Upper
75	100		
77	218.3	109.1	327.4

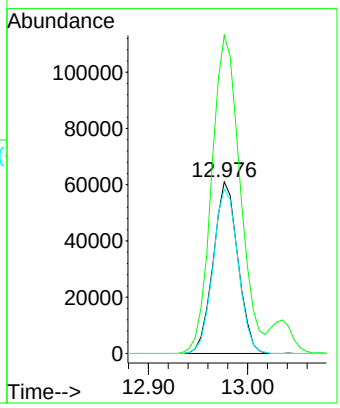




#77
Bromobenzene
Concen: 48.402 ug/l
RT: 12.976 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:156 Resp: 105184

Ion	Ratio	Lower	Upper
156	100		
77	214.4	107.2	321.6
158	97.1	48.5	145.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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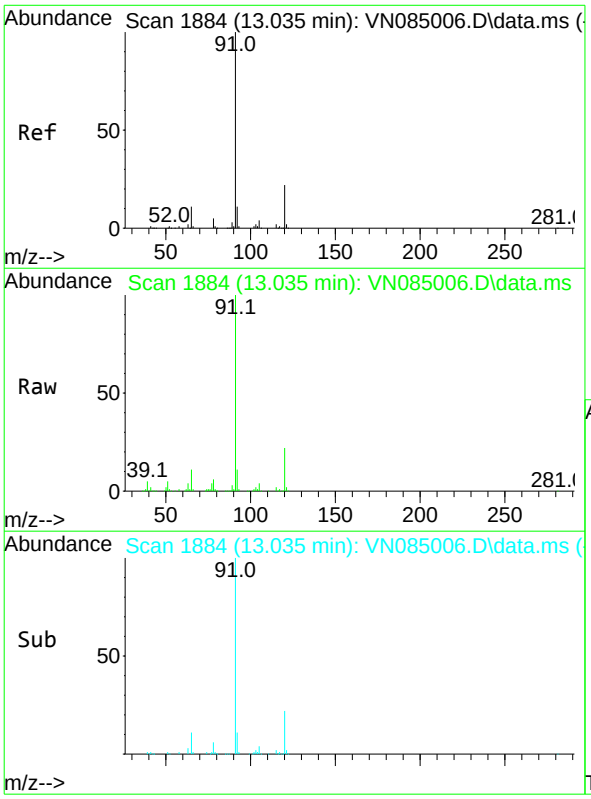
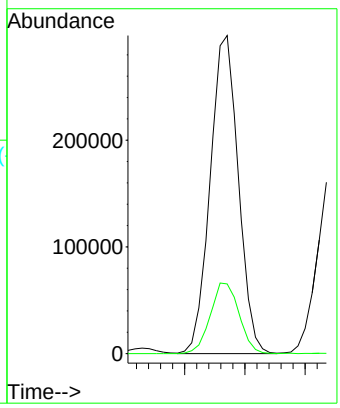
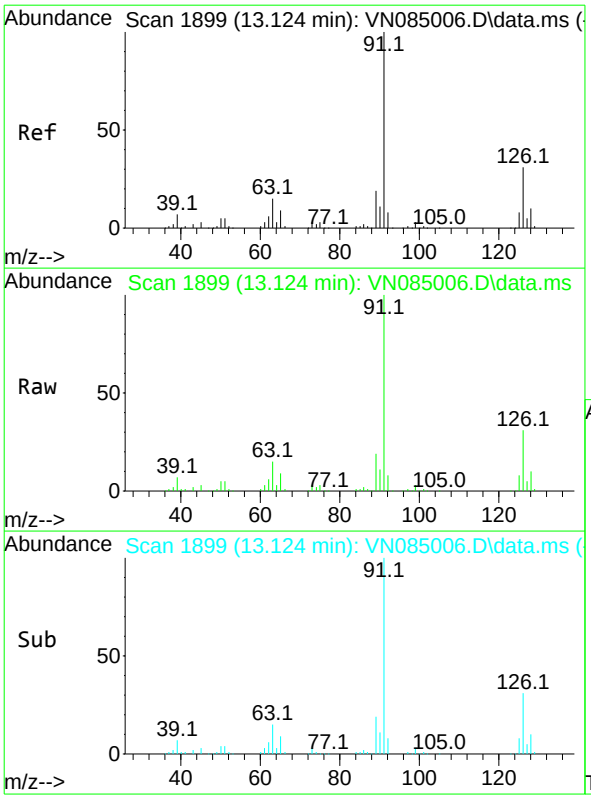


#78
n-propylbenzene
Concen: 52.059 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 91 Resp: 484892

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.3	33.9

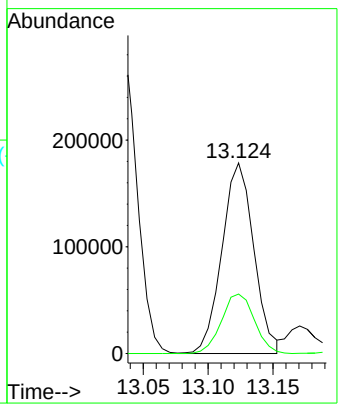




#79
2-Chlorotoluene
Concen: 49.174 ug/l
RT: 13.124 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 91 Resp: 305747

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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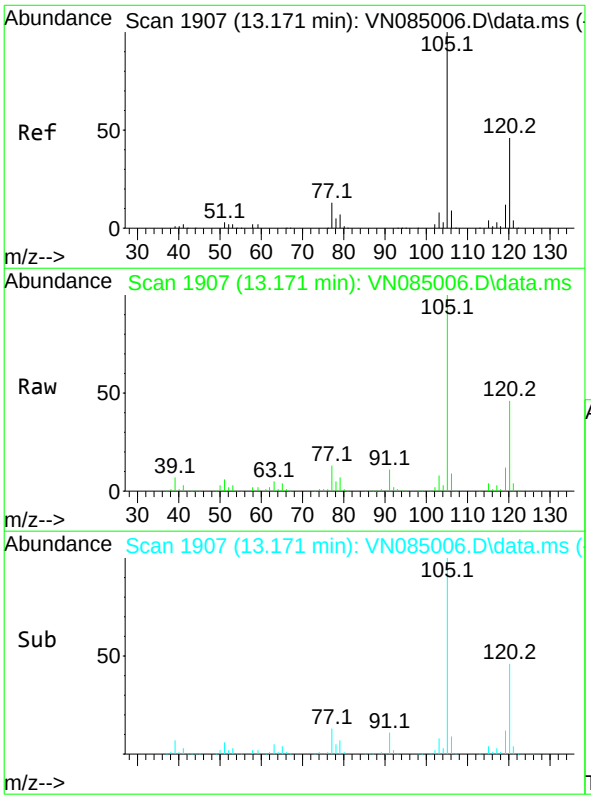
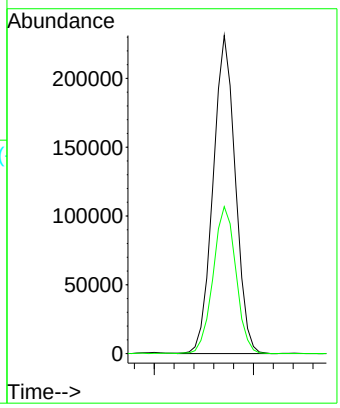
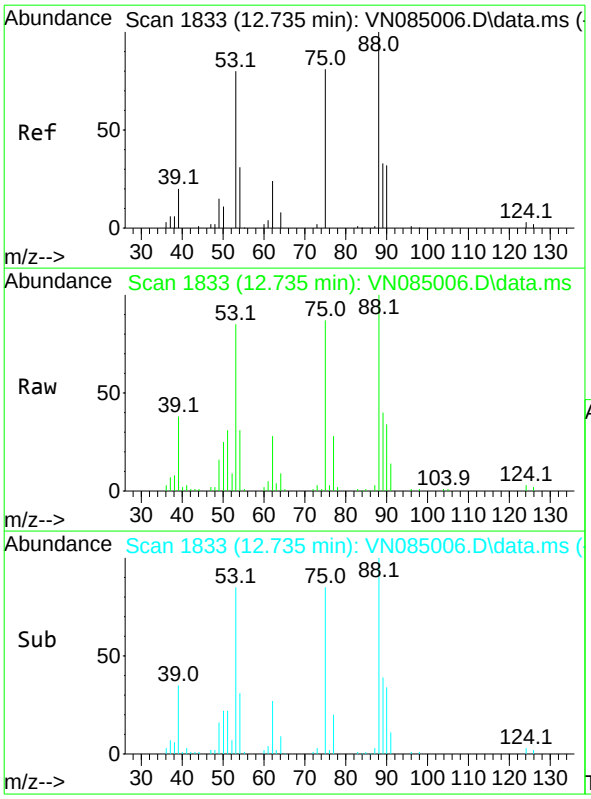


#80
1,3,5-Trimethylbenzene
Concen: 53.145 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:105 Resp: 360125

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.6	71.0

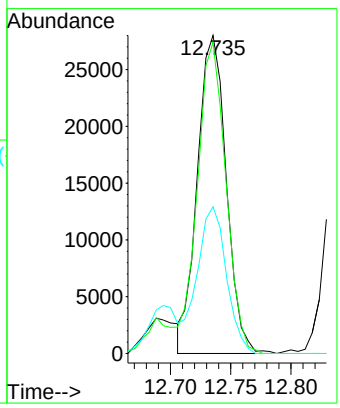




#81
trans-1,4-Dichloro-2-butene
Concen: 50.990 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 75 Resp: 46724

Ion	Ratio	Lower	Upper
75	100		
53	97.8	78.2	117.4
89	47.4	37.9	56.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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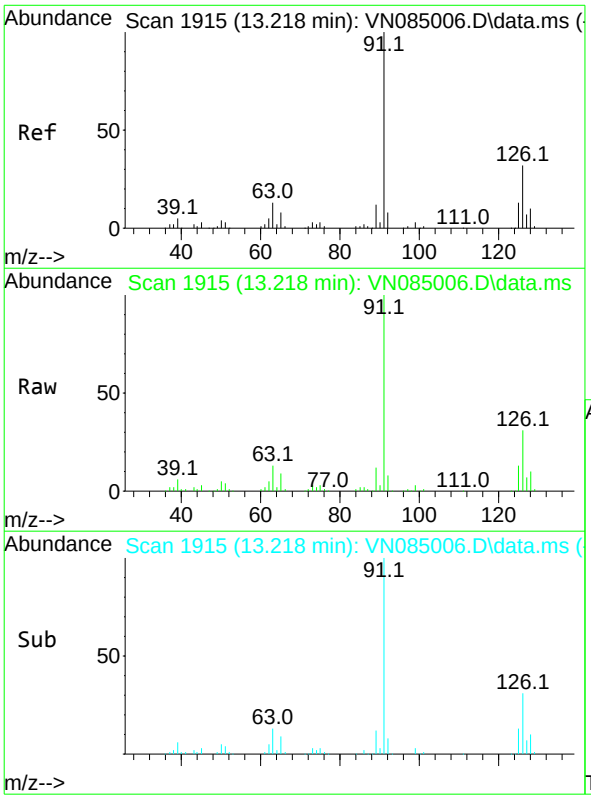
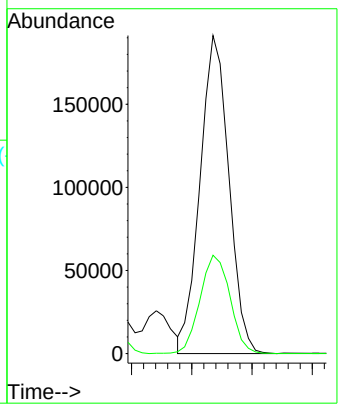
Supervised By :Mahesh Dadoda 11/25/2024

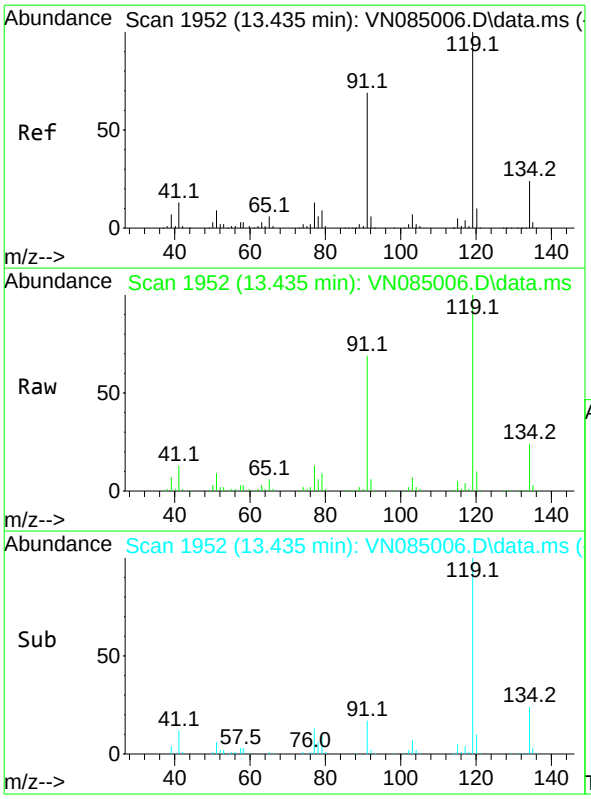


#82
4-Chlorotoluene
Concen: 49.063 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 91 Resp: 317569

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.3

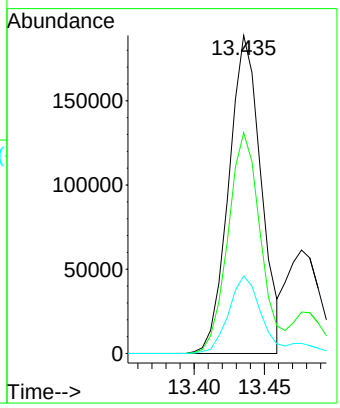




#83
tert-Butylbenzene
Concen: 51.657 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:119 Resp: 301180

Ion	Ratio	Lower	Upper
119	100		
91	70.3	35.1	105.5
134	24.2	12.1	36.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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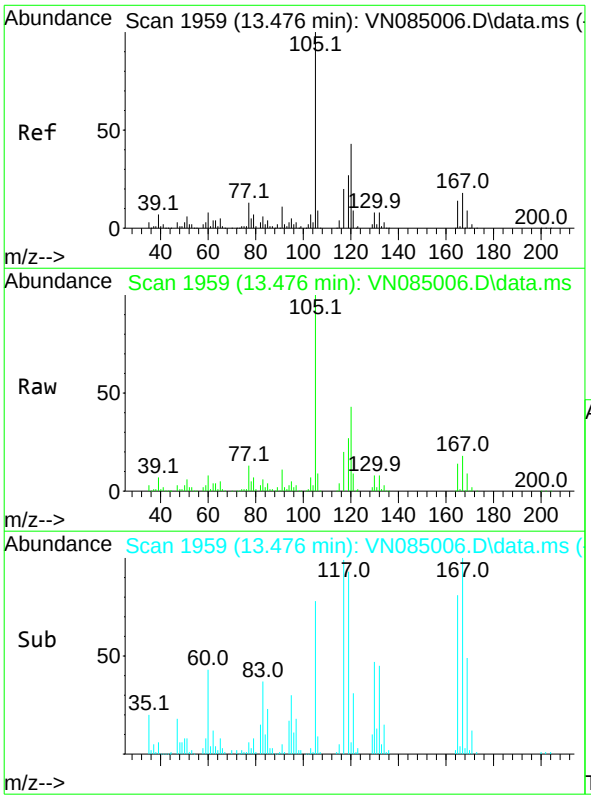
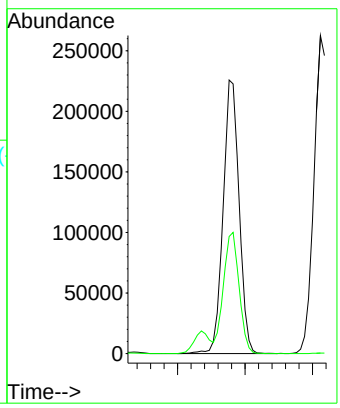
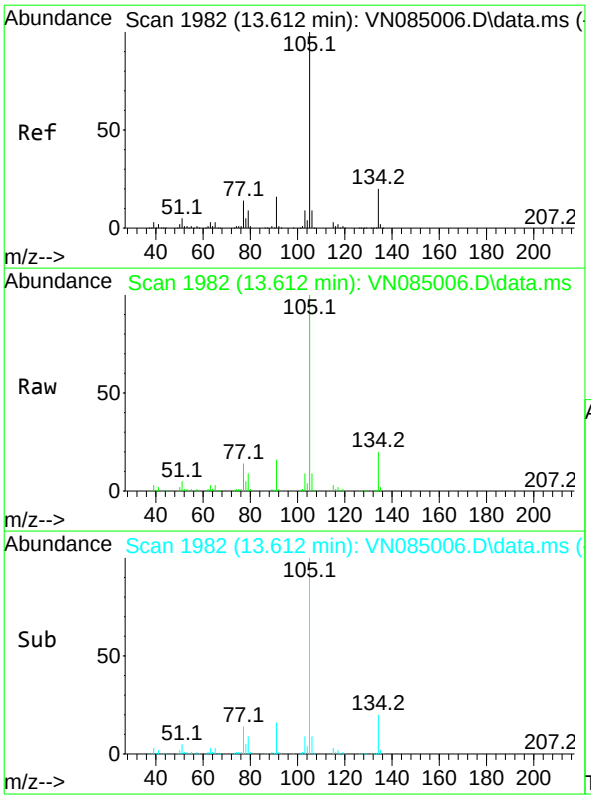


#84
1,2,4-Trimethylbenzene
Concen: 53.195 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:105 Resp: 371046

Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.8	65.4

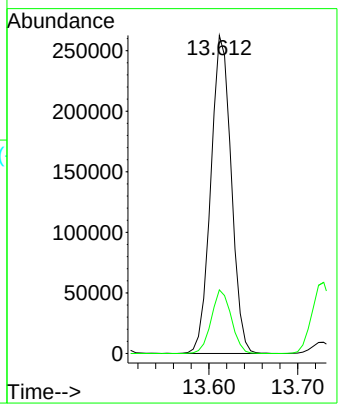




#85
sec-Butylbenzene
Concen: 53.296 ug/l
RT: 13.612 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:105 Resp: 419761

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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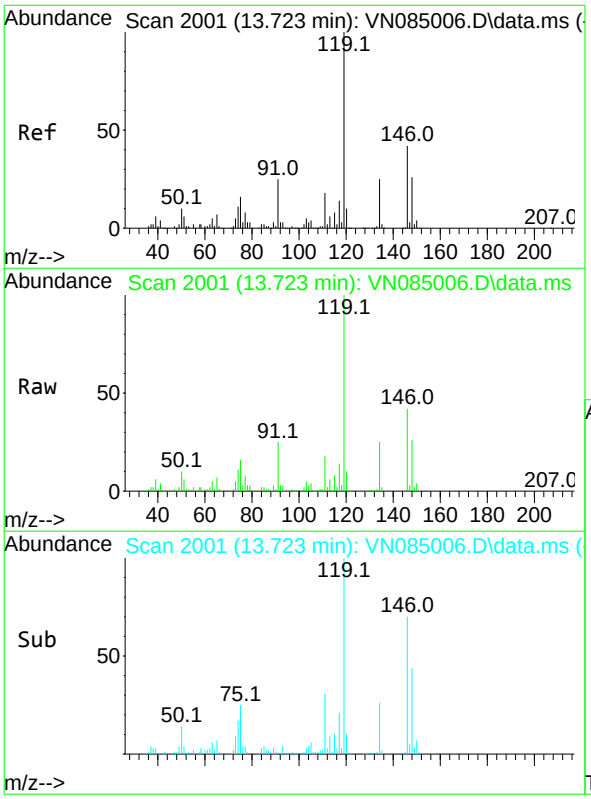
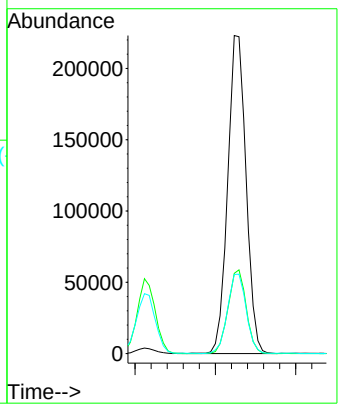
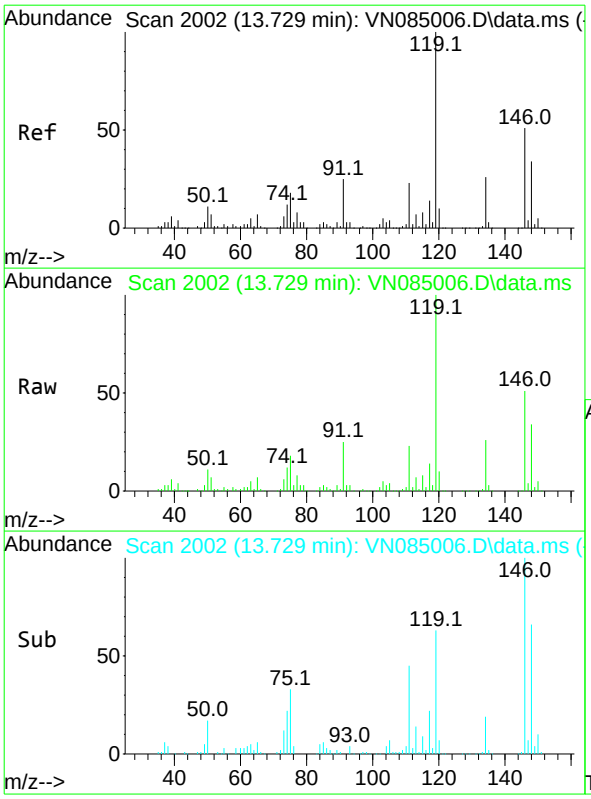


#86
p-Isopropyltoluene
Concen: 54.443 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:119 Resp: 353974

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	39.0
91	25.6	12.8	38.4

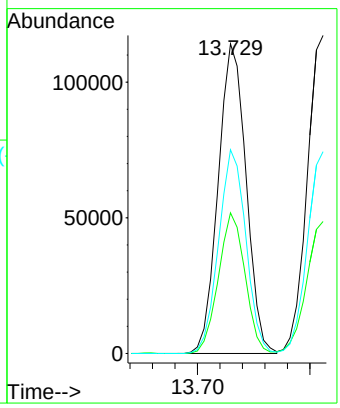




#87
1,3-Dichlorobenzene
Concen: 45.855 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:146 Resp: 196552

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	65.0
148	64.4	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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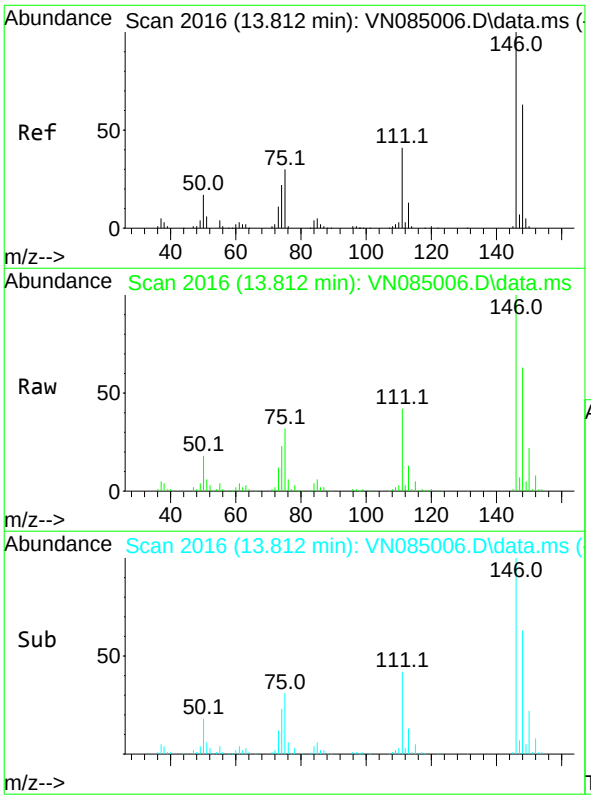
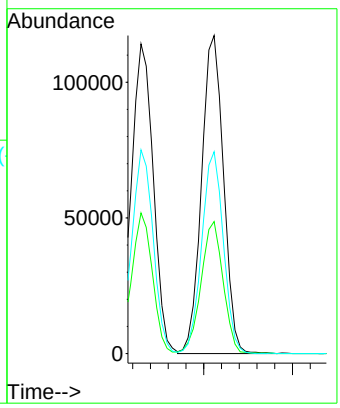
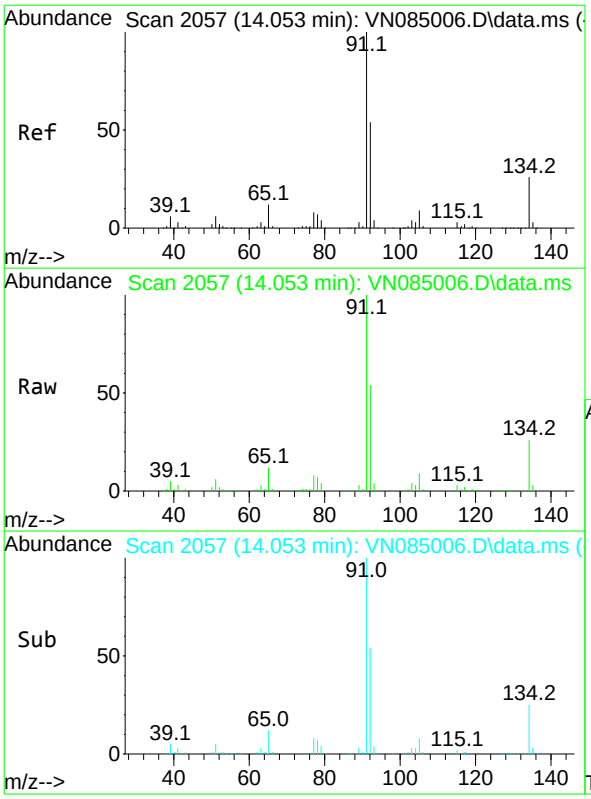


#88
1,4-Dichlorobenzene
Concen: 46.058 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:146 Resp: 201469

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.9	62.8
148	62.6	31.3	93.9

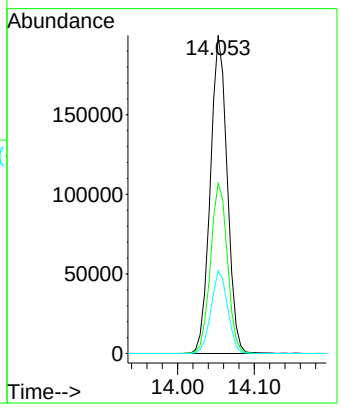




#89
n-Butylbenzene
Concen: 50.564 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 91 Resp: 305730

Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.8	80.3
134	25.6	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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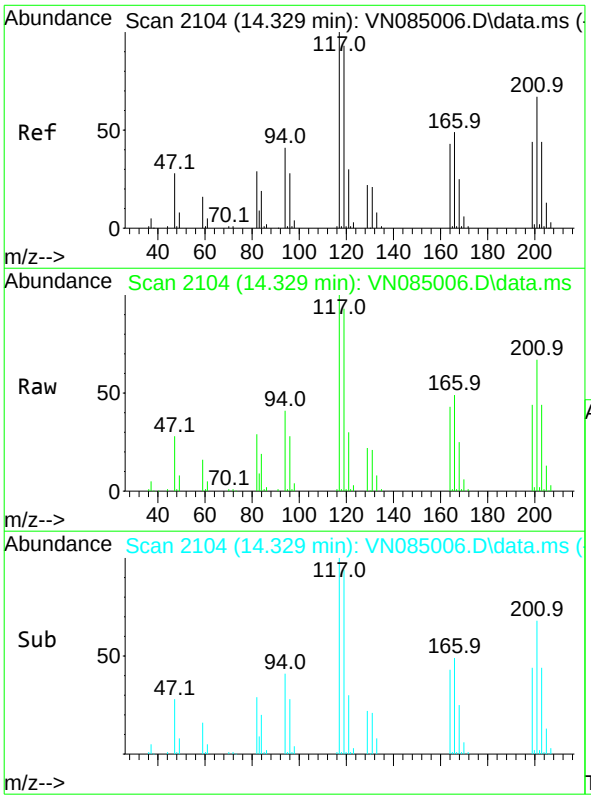
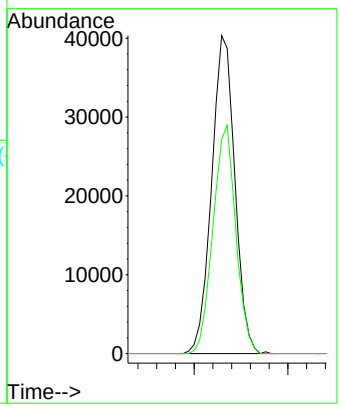
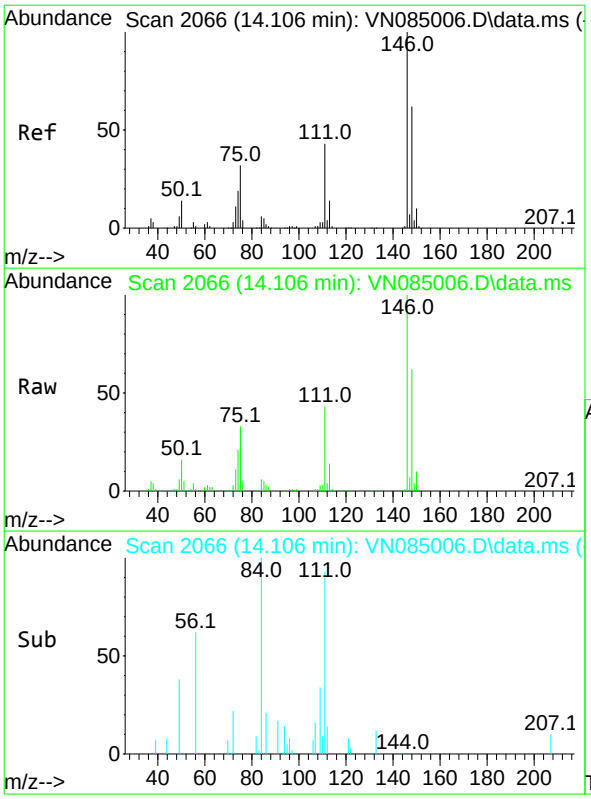


#90
Hexachloroethane
Concen: 49.001 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:117 Resp: 69444

Ion	Ratio	Lower	Upper
117	100		
201	70.4	35.2	105.6

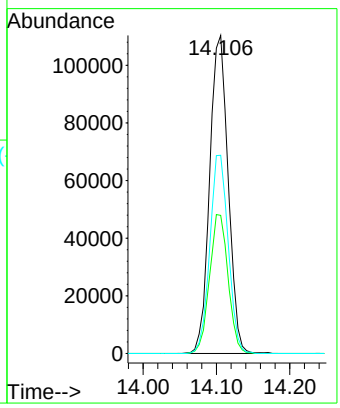




#91
1,2-Dichlorobenzene
Concen: 47.019 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:146 Resp: 193123

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.9	65.8
148	62.1	31.1	93.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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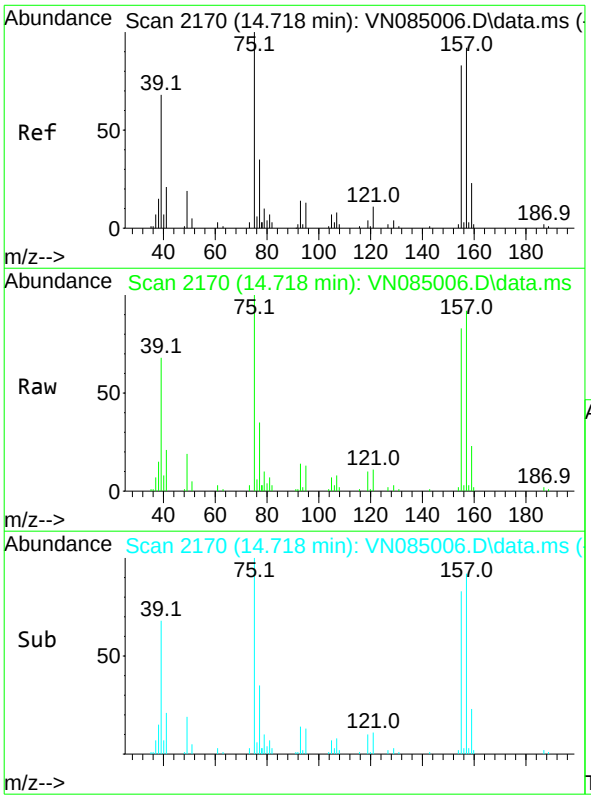
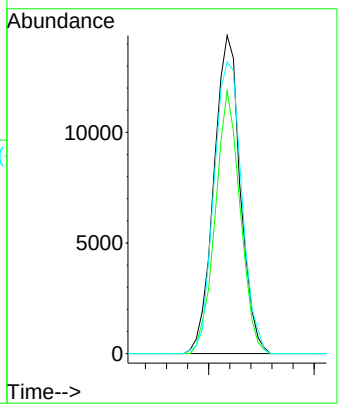
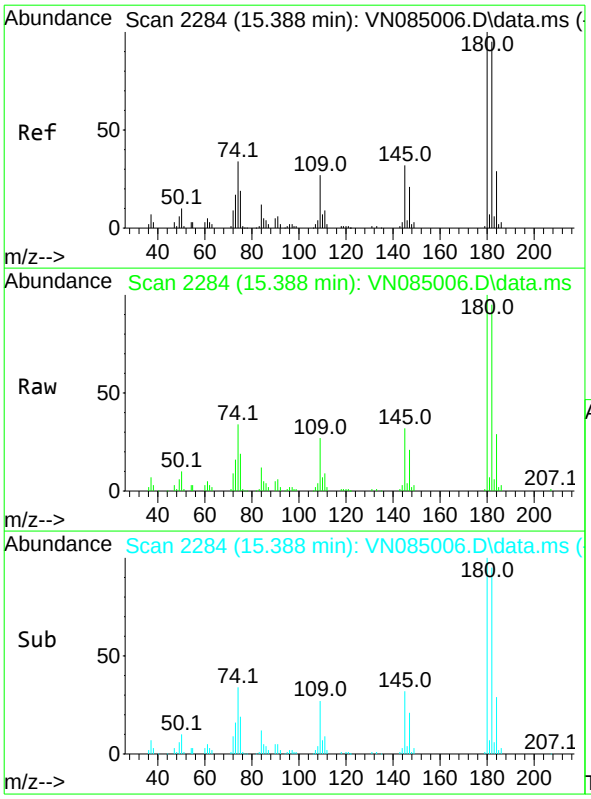


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.995 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 75 Resp: 25059

Ion	Ratio	Lower	Upper
75	100		
155	77.8	38.9	116.7
157	96.6	48.3	144.9

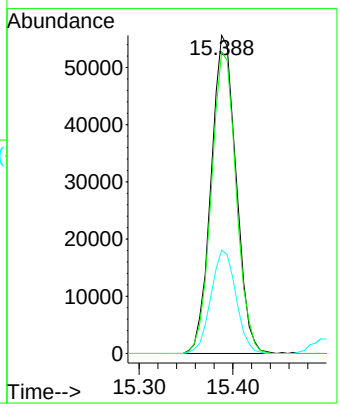




#93
1,2,4-Trichlorobenzene
Concen: 46.278 ug/l
RT: 15.388 min Scan# 22
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:180 Resp: 103265

Ion	Ratio	Lower	Upper
180	100		
182	93.9	46.9	140.8
145	32.5	16.3	48.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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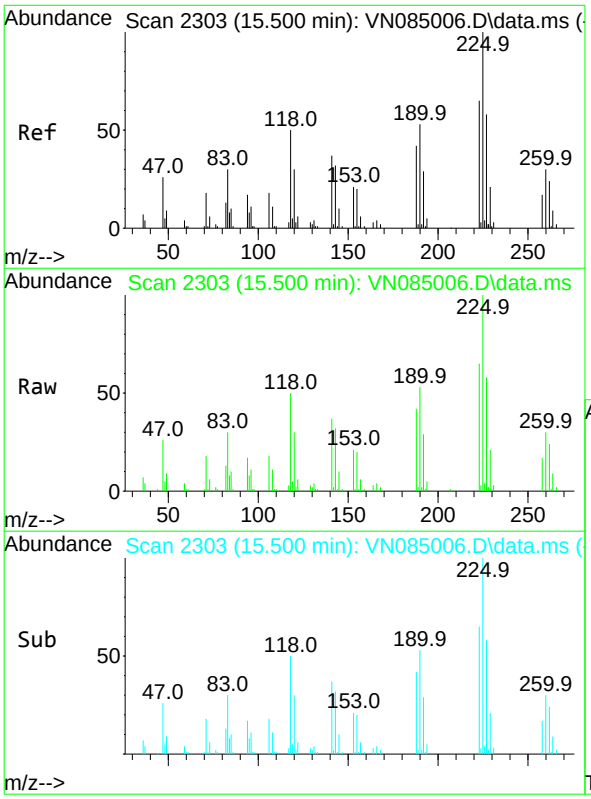
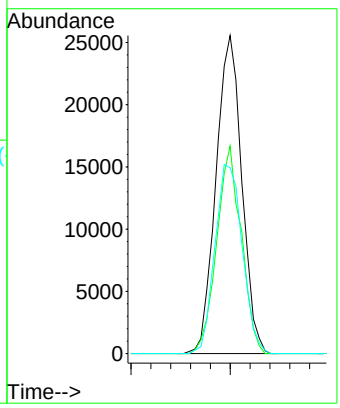
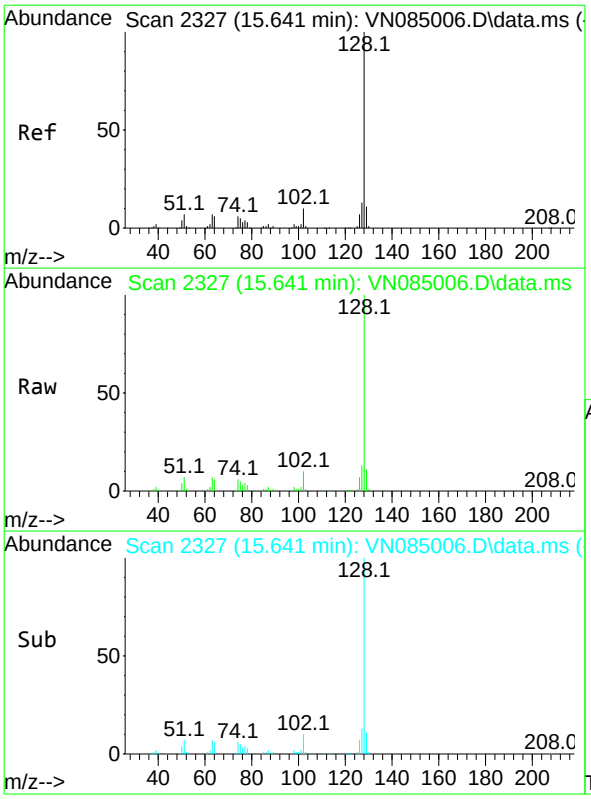


#94
Hexachlorobutadiene
Concen: 44.848 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:225 Resp: 46186

Ion	Ratio	Lower	Upper
225	100		
223	61.9	30.9	92.8
227	63.0	31.5	94.5

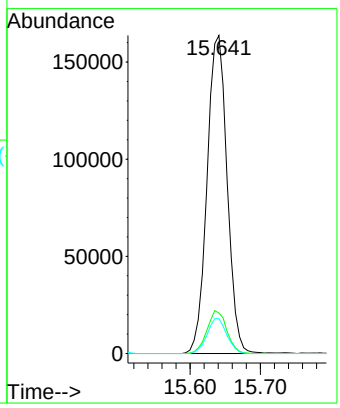




#95
Naphthalene
Concen: 51.063 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:128 Resp: 324523

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	10.7	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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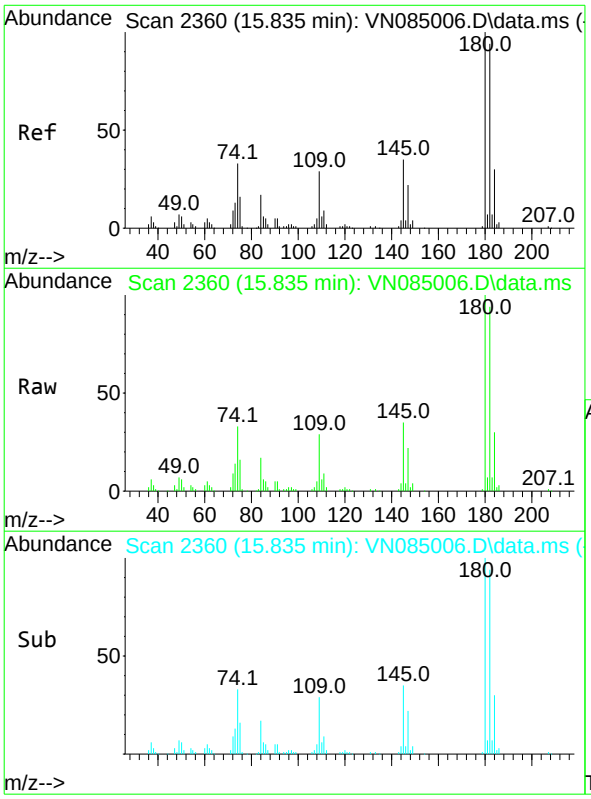
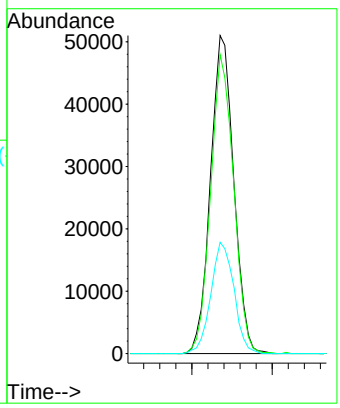


#96
1,2,3-Trichlorobenzene
Concen: 48.269 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:180 Resp: 102772

Ion	Ratio	Lower	Upper
180	100		
182	92.8	46.4	139.2
145	34.7	17.3	52.0



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Data File : VN085007.D
Acq On : 22 Nov 2024 12:10
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 01:59:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.218	168	168636	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.094	114	283685	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	240895	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	116956	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.577	65	44399	18.483	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	36.960%#			
35) Dibromofluoromethane	8.159	113	35327	18.466	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	36.940%#			
50) Toluene-d8	10.565	98	130719	19.066	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	38.140%#			
62) 4-Bromofluorobenzene	12.847	95	48193	18.797	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	37.600%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.118	85	38229	20.048	ug/l		99
3) Chloromethane	2.359	50	40404	18.269	ug/l		91
4) Vinyl Chloride	2.512	62	39070	19.658	ug/l		94
5) Bromomethane	2.900	94	22076	19.817	ug/l		98
6) Chloroethane	3.071	64	25643	19.141	ug/l		98
7) Trichlorofluoromethane	3.471	101	67785	20.049	ug/l		94
8) Diethyl Ether	3.953	74	23514	20.434	ug/l		97
9) 1,1,2-Trichlorotrifluo...	4.359	101	38412	20.031	ug/l		99
10) Methyl Iodide	4.571	142	52498	20.683	ug/l		98
11) Tert butyl alcohol	5.536	59	30735	95.749	ug/l	#	85
12) 1,1-Dichloroethene	4.330	96	36027	20.128	ug/l		97
13) Acrolein	4.177	56	20478	95.606	ug/l		96
14) Allyl chloride	5.006	41	59110	19.590	ug/l		99
15) Acrylonitrile	5.712	53	89152	98.100	ug/l		99
16) Acetone	4.430	43	69534	99.393	ug/l		96
17) Carbon Disulfide	4.694	76	103559	19.602	ug/l		96
18) Methyl Acetate	5.018	43	46954	20.318	ug/l		99
19) Methyl tert-butyl Ether	5.788	73	119013	20.350	ug/l		98
20) Methylene Chloride	5.265	84	41741	19.553	ug/l		89
21) trans-1,2-Dichloroethene	5.777	96	38088	20.221	ug/l		98
22) Diisopropyl ether	6.665	45	122443	20.162	ug/l		99
23) Vinyl Acetate	6.594	43	431313	102.948	ug/l		99
24) 1,1-Dichloroethane	6.559	63	73105	20.116	ug/l		98
25) 2-Butanone	7.482	43	114635	100.226	ug/l		99
26) 2,2-Dichloropropane	7.482	77	66230	19.517	ug/l		97
27) cis-1,2-Dichloroethene	7.482	96	45307	19.953	ug/l		99
28) Bromochloromethane	7.806	49	27564	20.092	ug/l		99
29) Tetrahydrofuran	7.835	42	71566	100.618	ug/l		99
30) Chloroform	7.953	83	74495	19.270	ug/l		94
31) Cyclohexane	8.247	56	63521	19.852	ug/l		96
32) 1,1,1-Trichloroethane	8.159	97	68908	19.725	ug/l		97
36) 1,1-Dichloropropene	8.365	75	51535	19.888	ug/l		98
37) Ethyl Acetate	7.559	43	48436	20.561	ug/l		99
38) Carbon Tetrachloride	8.359	117	61594	20.593	ug/l		97
39) Methylcyclohexane	9.600	83	55102	20.464	ug/l		98
40) Benzene	8.600	78	163727	19.977	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085007.D
Acq On : 22 Nov 2024 12:10
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 23 01:59:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	26011	19.942	ug/l		99
42) 1,2-Dichloroethane	8.665	62	56374	20.106	ug/l		99
43) Isopropyl Acetate	8.682	43	88647	18.116	ug/l		98
44) Trichloroethene	9.347	130	38334	20.127	ug/l		96
45) 1,2-Dichloropropane	9.618	63	39852	19.742	ug/l		96
46) Dibromomethane	9.706	93	28140	20.062	ug/l		98
47) Bromodichloromethane	9.882	83	59008	19.849	ug/l		97
48) Methyl methacrylate	9.676	41	36687	20.148	ug/l		98
49) 1,4-Dioxane	9.694	88	12977	410.958	ug/l	#	89
51) 4-Methyl-2-Pentanone	10.441	43	230239	103.015	ug/l		99
52) Toluene	10.629	92	100021	20.615	ug/l		99
53) t-1,3-Dichloropropene	10.829	75	61215	20.539	ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	64823	20.501	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	36732	20.326	ug/l		96
56) Ethyl methacrylate	10.871	69	55691	21.089	ug/l		98
57) 1,3-Dichloropropane	11.159	76	63314	19.906	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	137602	106.227	ug/l		100
59) 2-Hexanone	11.194	43	179717	107.514	ug/l		99
60) Dibromochloromethane	11.353	129	44450	20.126	ug/l		97
61) 1,2-Dibromoethane	11.465	107	37228	19.905	ug/l		99
64) Tetrachloroethene	11.100	164	32716	20.155	ug/l		93
65) Chlorobenzene	11.888	112	108255	19.815	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	37404	19.446	ug/l		98
67) Ethyl Benzene	11.959	91	181169	20.440	ug/l		98
68) m/p-Xylenes	12.070	106	141133	41.824	ug/l		99
69) o-Xylene	12.394	106	66013	20.565	ug/l		97
70) Styrene	12.406	104	113503	21.263	ug/l		99
71) Bromoform	12.576	173	28783	20.159	ug/l	#	98
73) Isopropylbenzene	12.694	105	168631	20.438	ug/l		100
74) N-amyl acetate	12.494	43	72208	21.238	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	53889	19.127	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	43650m	19.951	ug/l		
77) Bromobenzene	12.976	156	43298	19.500	ug/l		99
78) n-propylbenzene	13.035	91	196551	20.653	ug/l		99
79) 2-Chlorotoluene	13.123	91	128714	20.261	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	145726	21.048	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	18860	20.144	ug/l		99
82) 4-Chlorotoluene	13.217	91	133131	20.131	ug/l		99
83) tert-Butylbenzene	13.435	119	121188	20.344	ug/l		99
84) 1,2,4-Trimethylbenzene	13.476	105	149479	20.974	ug/l		99
85) sec-Butylbenzene	13.611	105	168068	20.885	ug/l		100
86) p-Isopropyltoluene	13.729	119	143841	21.653	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	83500	19.066	ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	85098	19.041	ug/l		99
89) n-Butylbenzene	14.053	91	122257	19.790	ug/l		100
90) Hexachloroethane	14.329	117	27899	19.267	ug/l		97
91) 1,2-Dichlorobenzene	14.106	146	82164	19.579	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10633	19.517	ug/l		96
93) 1,2,4-Trichlorobenzene	15.388	180	44383	19.467	ug/l		98
94) Hexachlorobutadiene	15.500	225	20642	19.618	ug/l		95
95) Naphthalene	15.641	128	132816	20.454	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	44145	20.293	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085007.D
Acq On : 22 Nov 2024 12:10
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 23 01:59:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085007.D
Acq On : 22 Nov 2024 12:10
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 23 01:59:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
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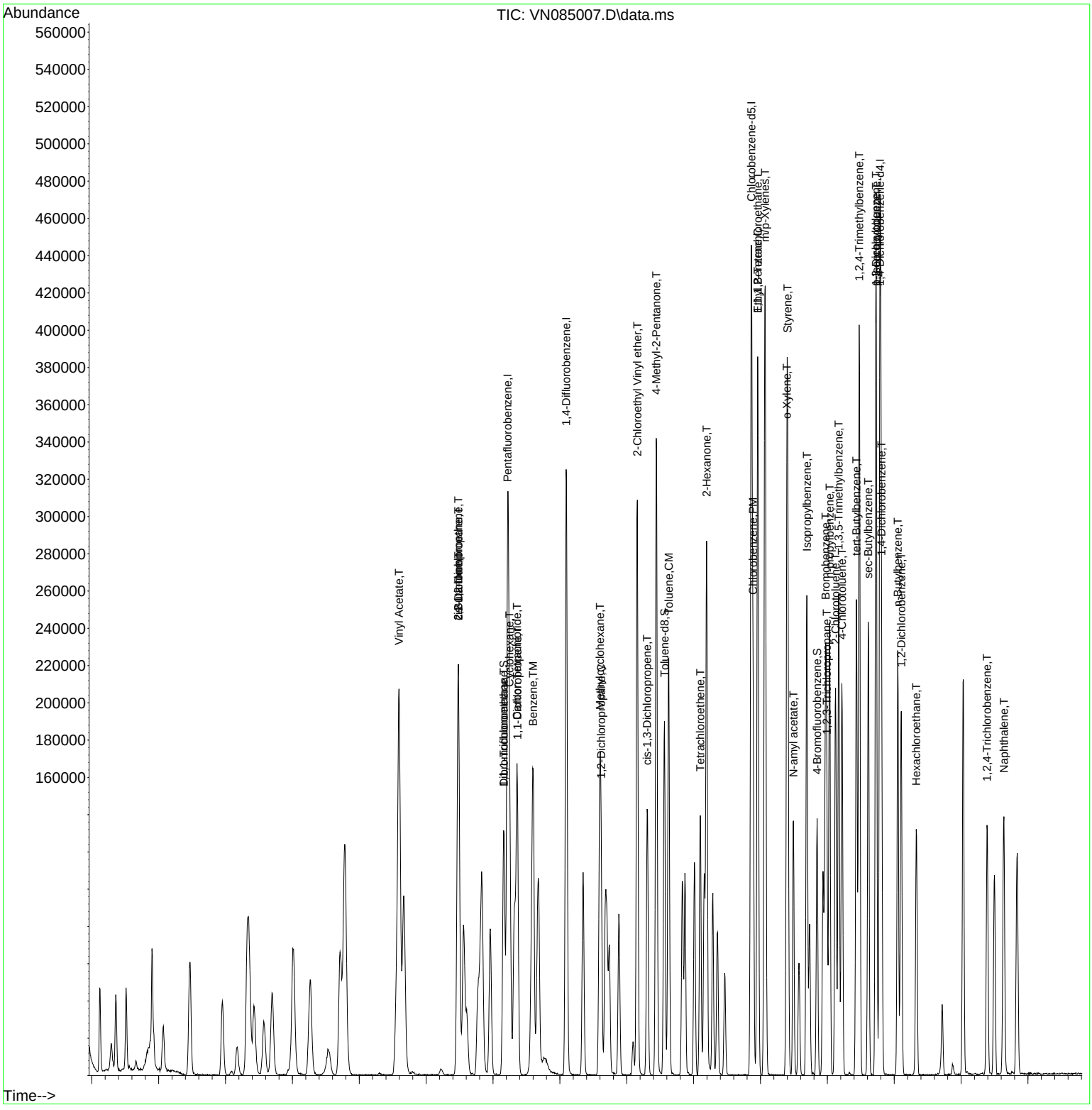
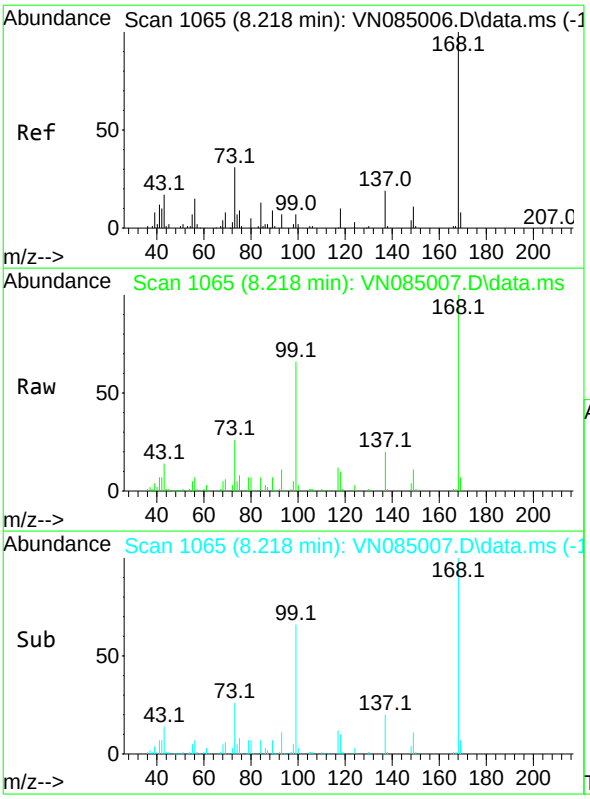
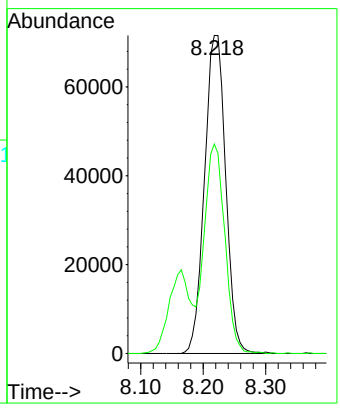




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:168 Resp: 168636

Ion	Ratio	Lower	Upper
168	100		
99	65.9	51.2	76.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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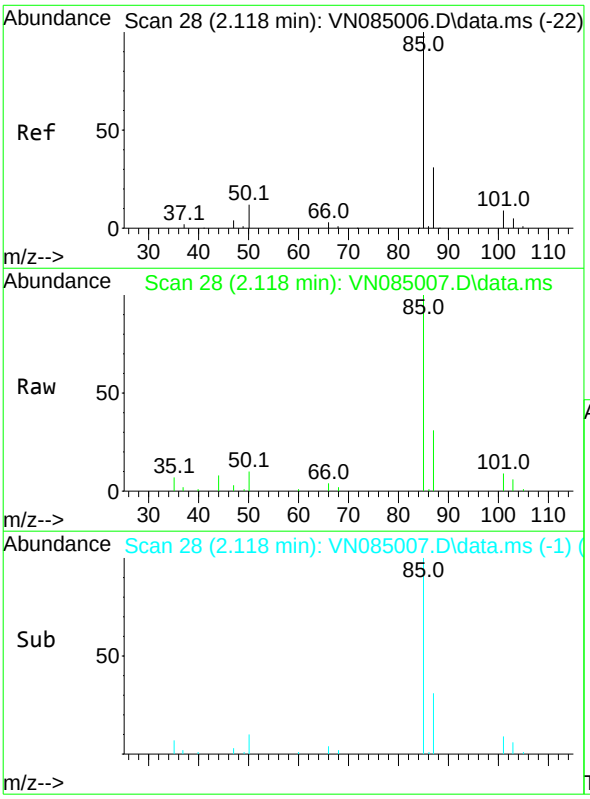
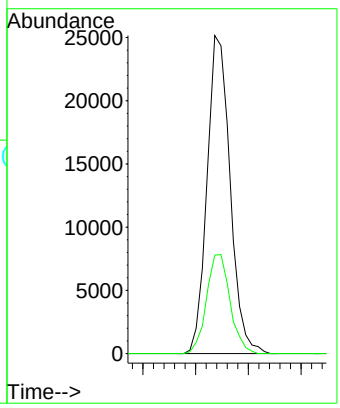
Supervised By :Mahesh Dadoda 11/25/2024

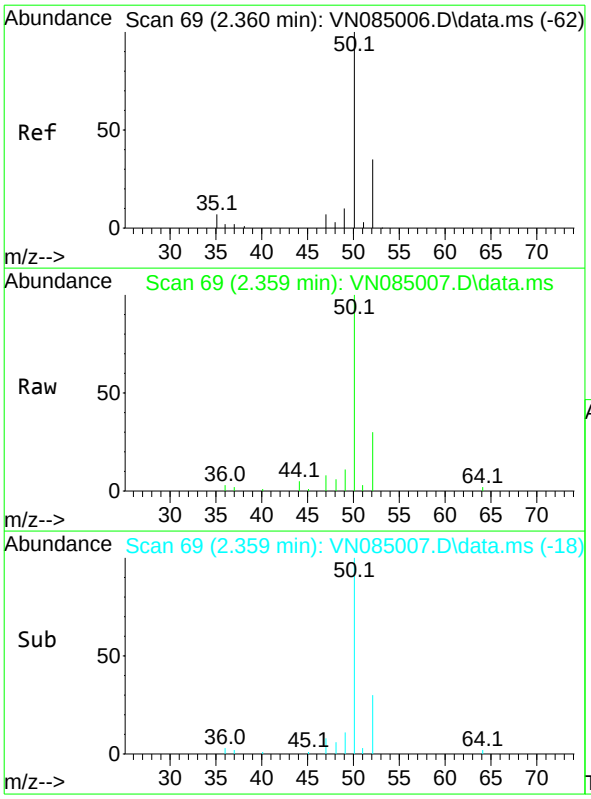


#2
Dichlorodifluoromethane
Concen: 20.048 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 85 Resp: 38229

Ion	Ratio	Lower	Upper
85	100		
87	30.9	15.7	47.1

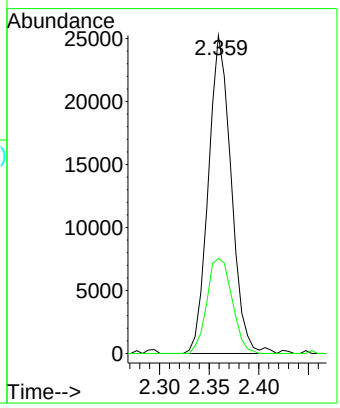




#3
Chloromethane
Concen: 18.269 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 50 Resp: 40404

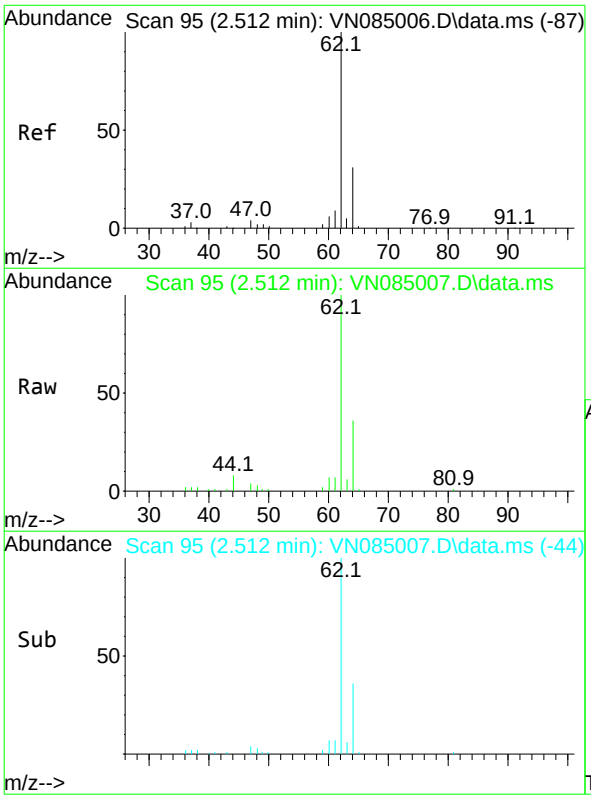
Ion	Ratio	Lower	Upper
50	100		
52	29.9	27.8	41.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

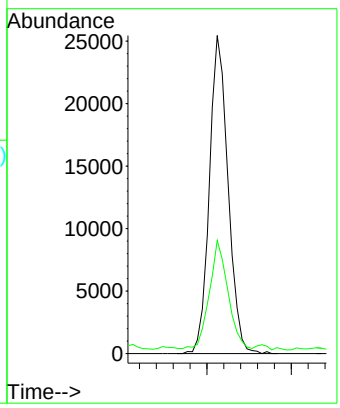
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

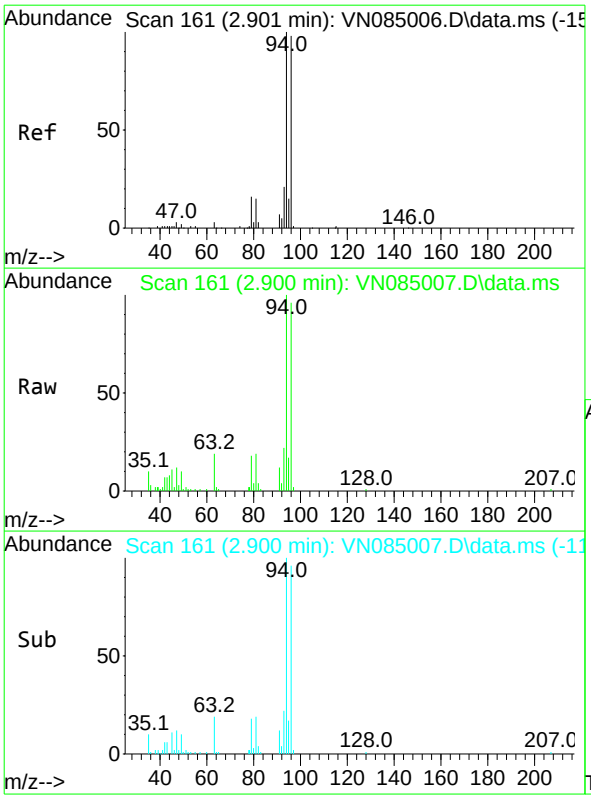


#4
Vinyl Chloride
Concen: 19.658 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 62 Resp: 39070

Ion	Ratio	Lower	Upper
62	100		
64	33.9	24.6	36.8

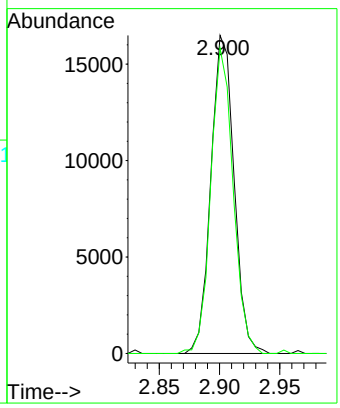




#5
Bromomethane
Concen: 19.817 ug/l
RT: 2.900 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 94 Resp: 22076

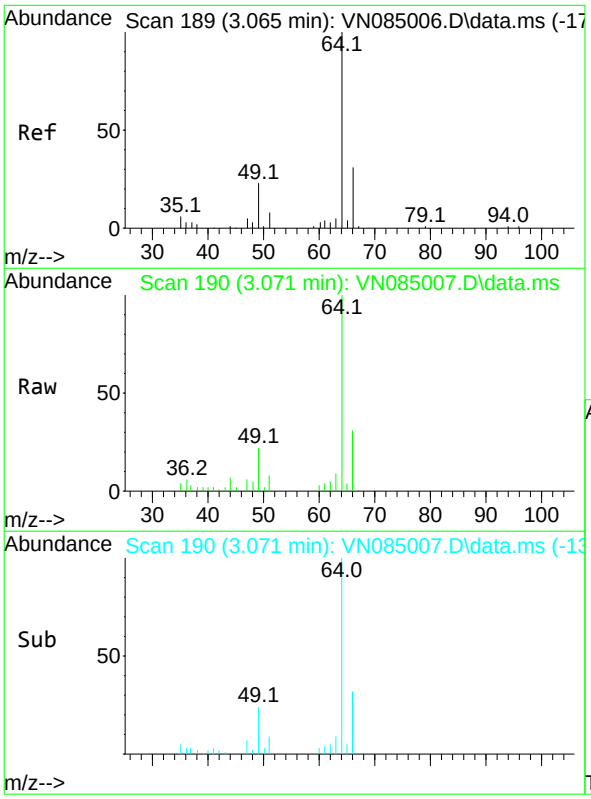
Ion	Ratio	Lower	Upper
94	100		
96	96.0	78.7	118.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

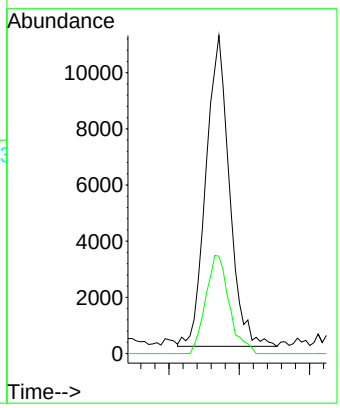
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

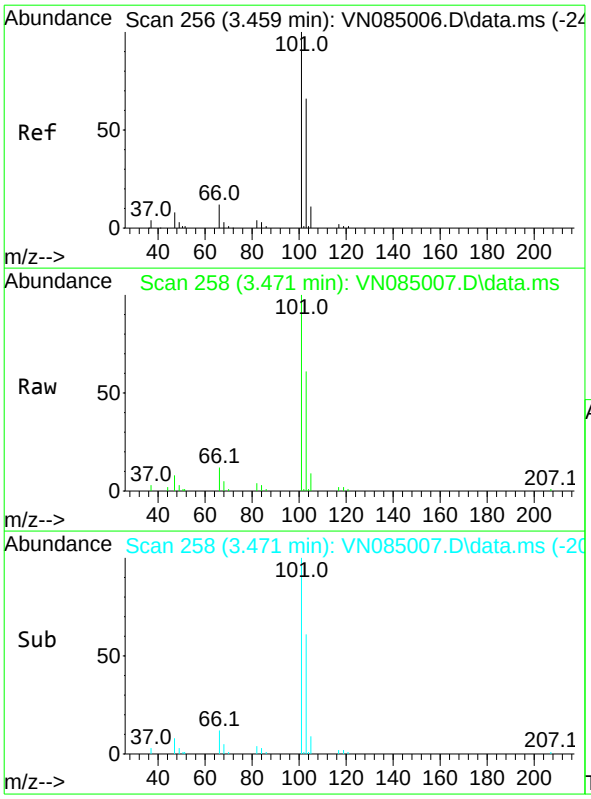


#6
Chloroethane
Concen: 19.141 ug/l
RT: 3.071 min Scan# 190
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 64 Resp: 25643

Ion	Ratio	Lower	Upper
64	100		
66	31.3	24.4	36.6

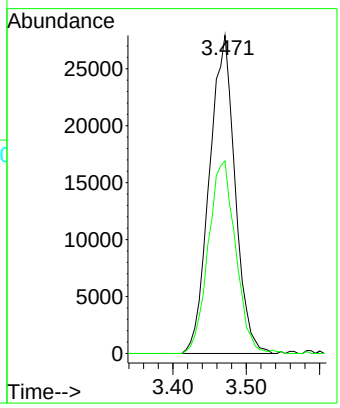




#7
Trichlorofluoromethane
Concen: 20.049 ug/l
RT: 3.471 min Scan# 25
Delta R.T. 0.012 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:101 Resp: 67785

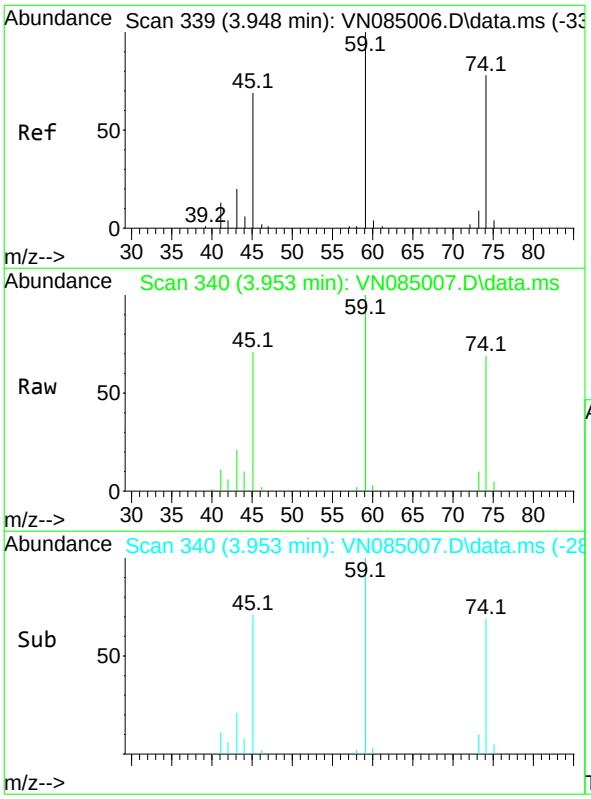
Ion	Ratio	Lower	Upper
101	100		
103	60.6	52.6	78.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

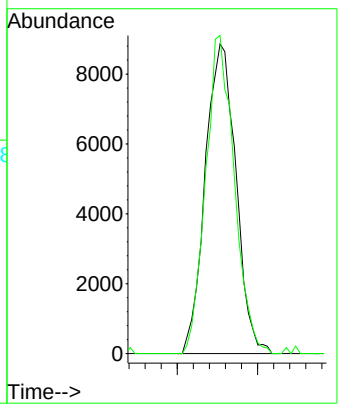
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

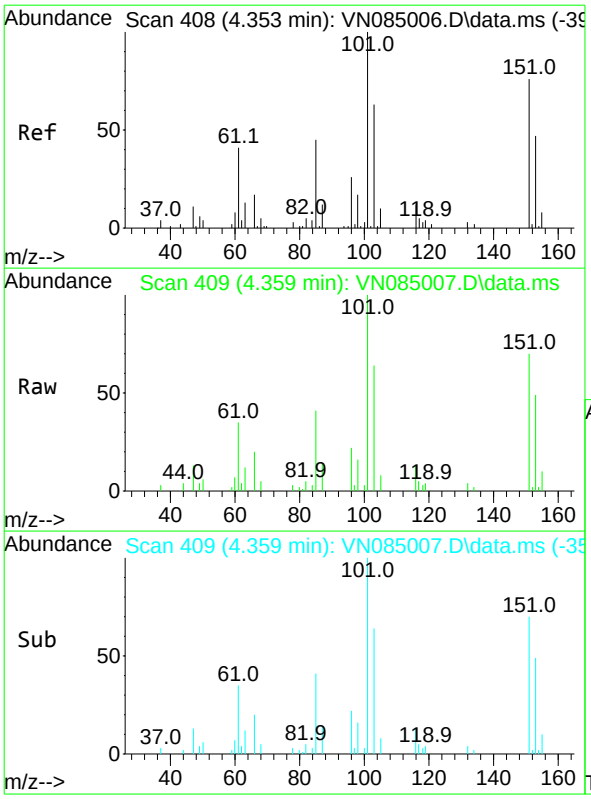


#8
Diethyl Ether
Concen: 20.434 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 74 Resp: 23514

Ion	Ratio	Lower	Upper
74	100		
45	95.8	46.7	140.1

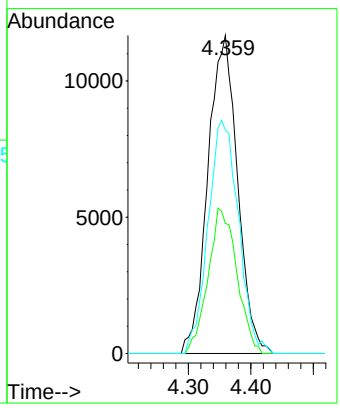




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.031 ug/l
RT: 4.359 min Scan# 40
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:101 Resp: 38412

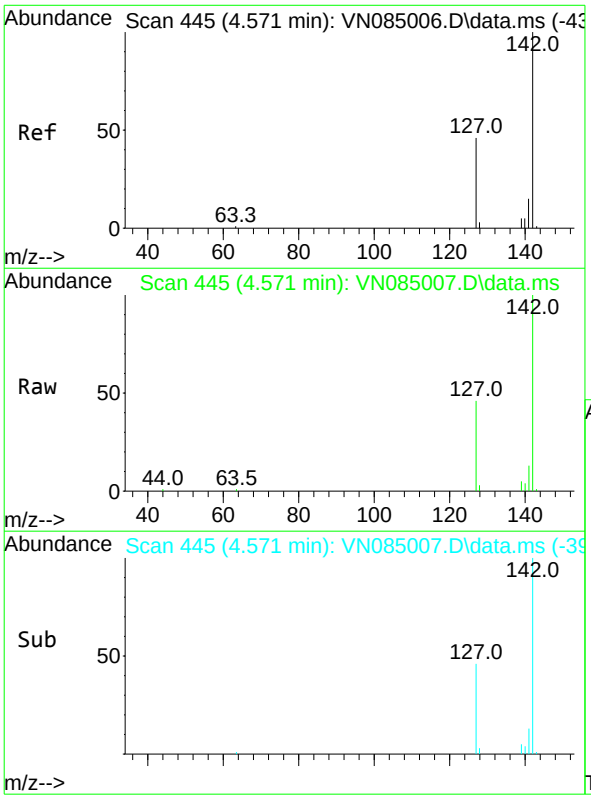
Ion	Ratio	Lower	Upper
101	100		
85	44.4	36.9	55.3
151	75.5	60.8	91.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

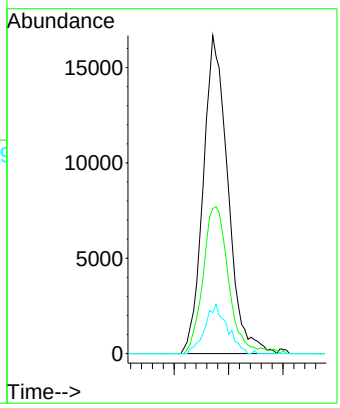
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

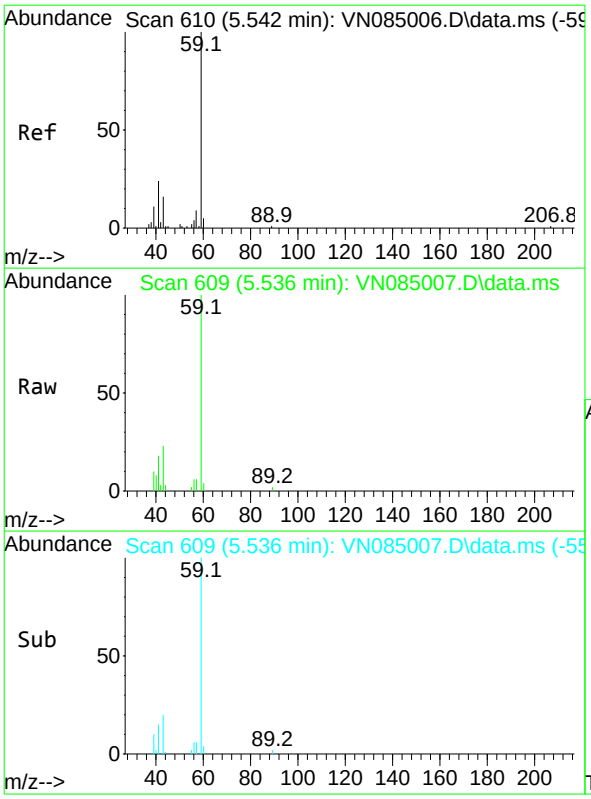


#10
Methyl Iodide
Concen: 20.683 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:142 Resp: 52498

Ion	Ratio	Lower	Upper
142	100		
127	45.5	36.6	54.8
141	12.9	12.2	18.4

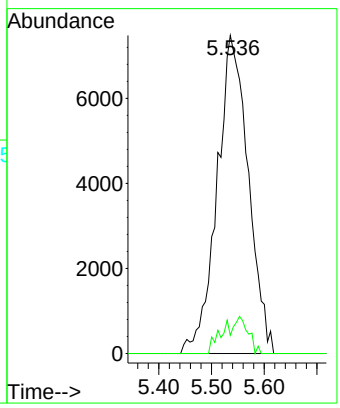




#11
Tert butyl alcohol
Concen: 95.749 ug/l
RT: 5.536 min Scan# 60
Delta R.T. -0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 59 Resp: 30735

Ion	Ratio	Lower	Upper
59	100		
57	3.7	7.4	11.0#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
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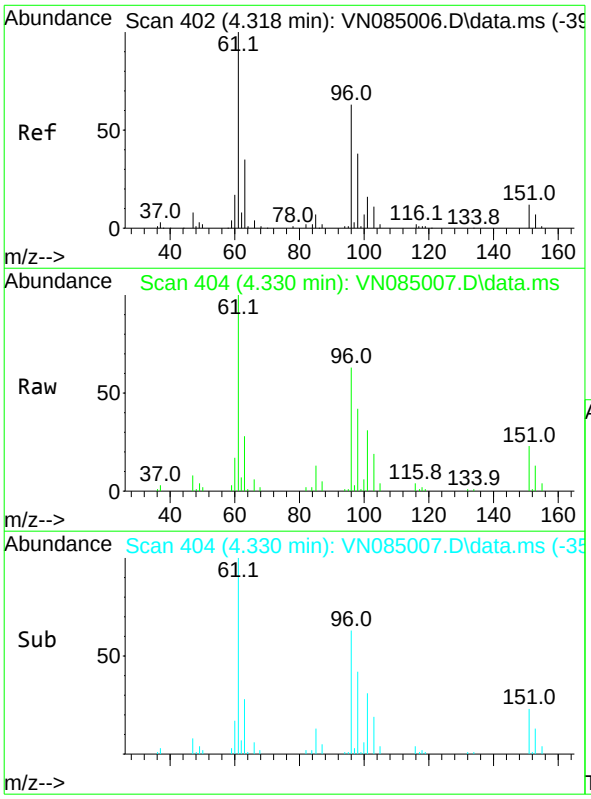
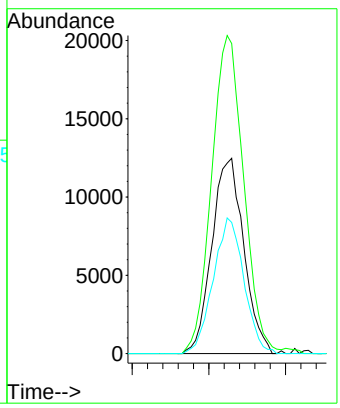
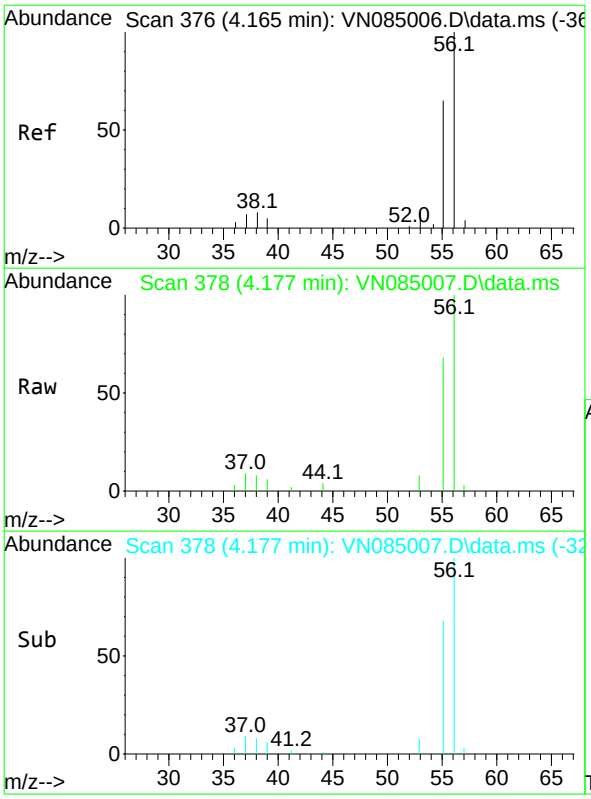


#12
1,1-Dichloroethene
Concen: 20.128 ug/l
RT: 4.330 min Scan# 404
Delta R.T. 0.012 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 96 Resp: 36027

Ion	Ratio	Lower	Upper
96	100		
61	158.7	127.8	191.8
98	67.1	49.2	73.8

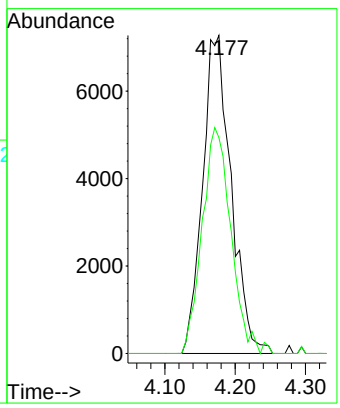




#13
Acrolein
Concen: 95.606 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.012 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 56 Resp: 20478

Ion	Ratio	Lower	Upper
56	100		
55	71.2	54.5	81.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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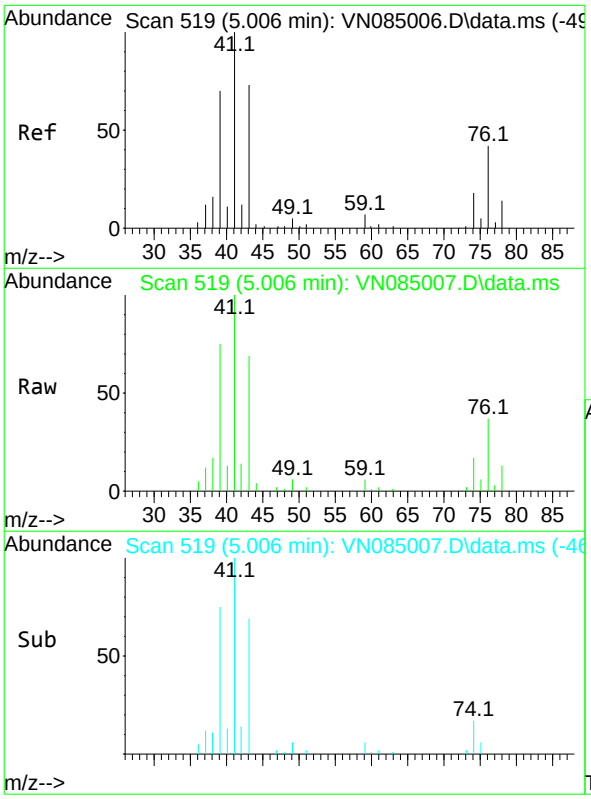
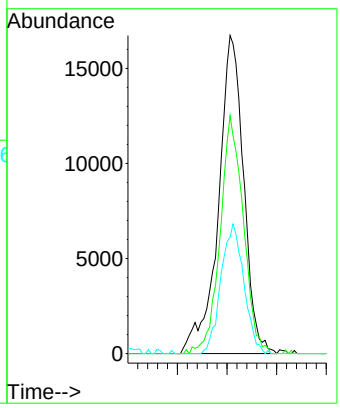
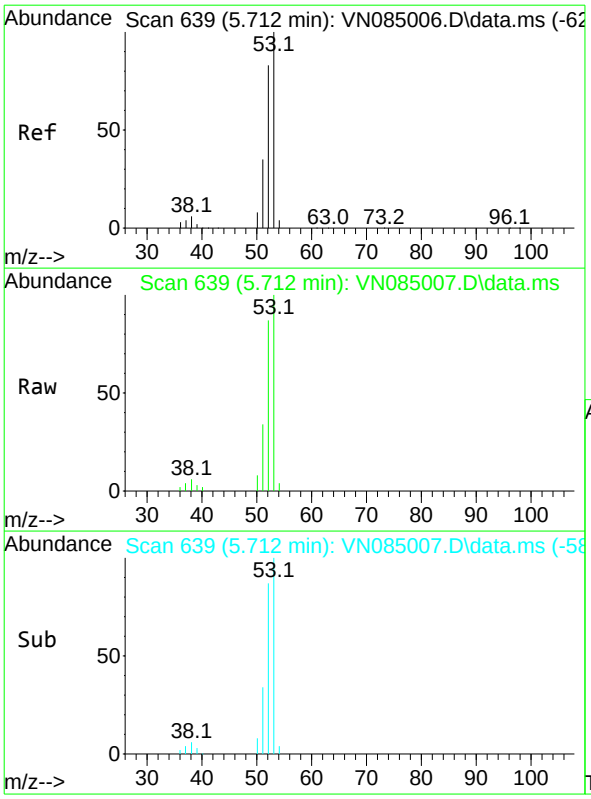


#14
Allyl chloride
Concen: 19.590 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 41 Resp: 59110

Ion	Ratio	Lower	Upper
41	100		
39	68.7	53.8	80.8
76	36.9	29.3	43.9

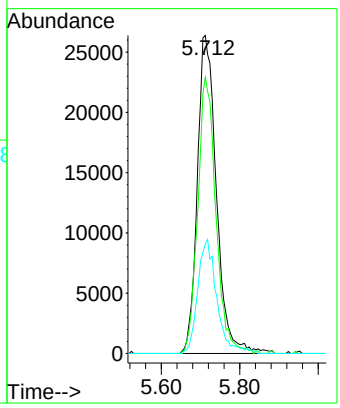




#15
Acrylonitrile
Concen: 98.100 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 53 Resp: 89152

Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.5	98.3
51	35.8	28.4	42.6



Instrument :
MSVOA_N
ClientSampleId :
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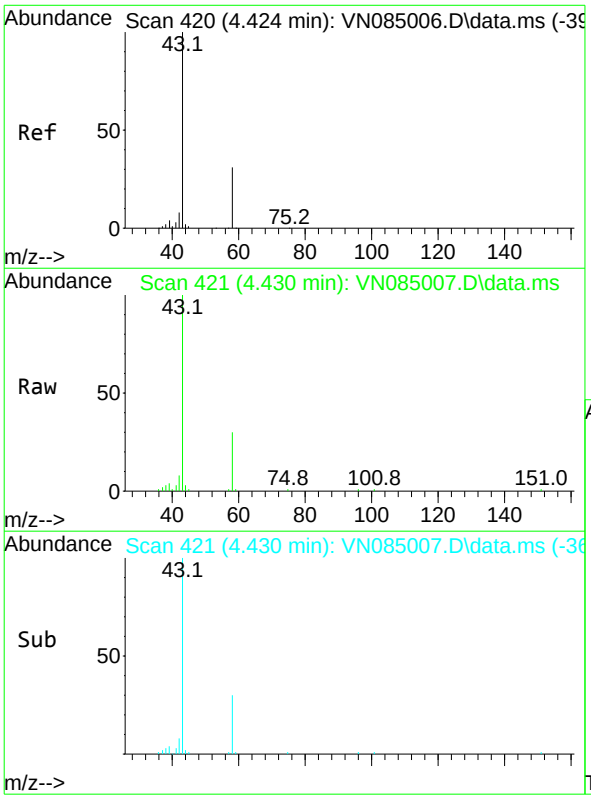
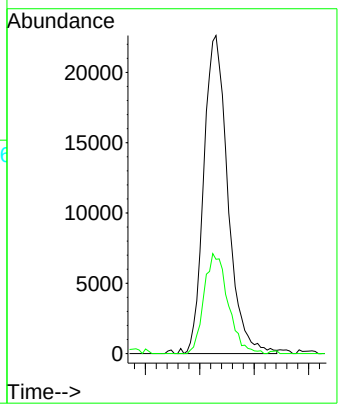
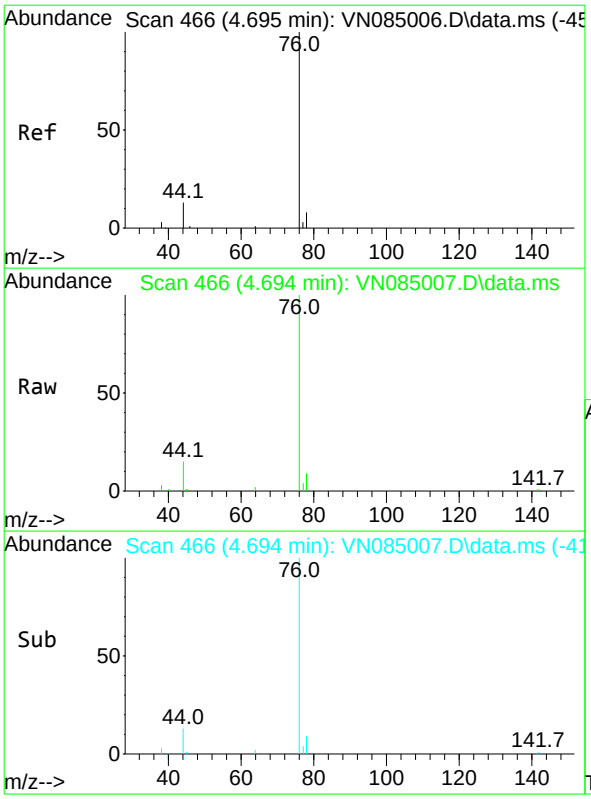


#16
Acetone
Concen: 99.393 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 43 Resp: 69534

Ion	Ratio	Lower	Upper
43	100		
58	29.6	25.4	38.2

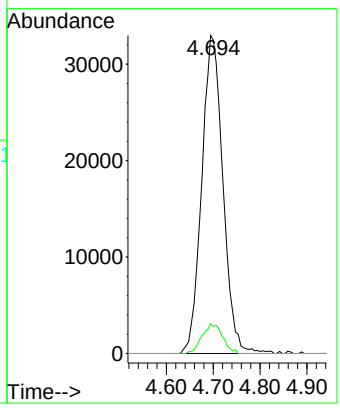




#17
Carbon Disulfide
Concen: 19.602 ug/l
RT: 4.694 min Scan# 46
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 76 Resp: 103559

Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.5	9.7



Instrument :
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ClientSampleId :
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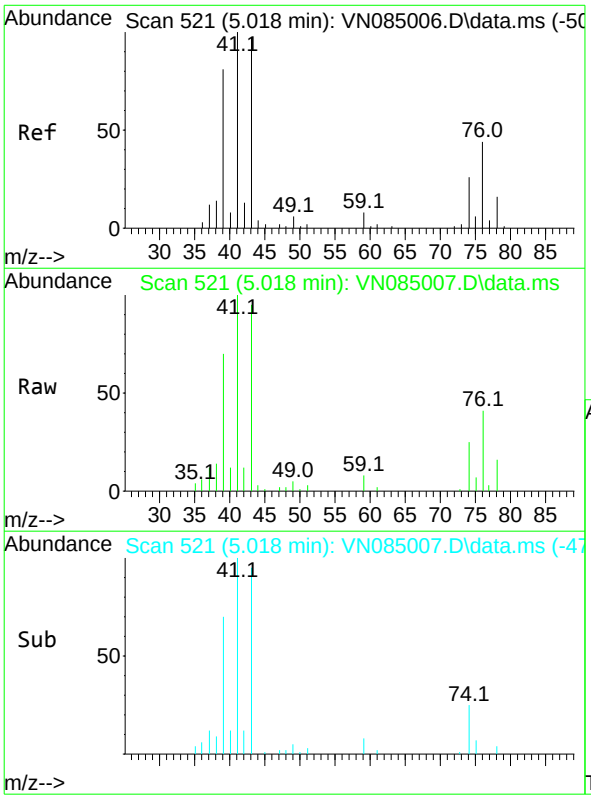
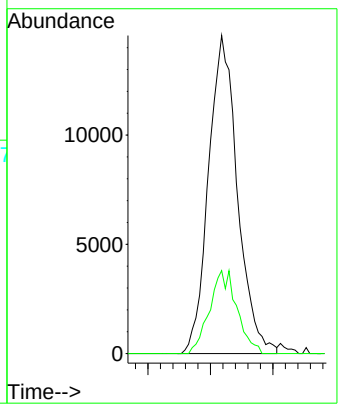
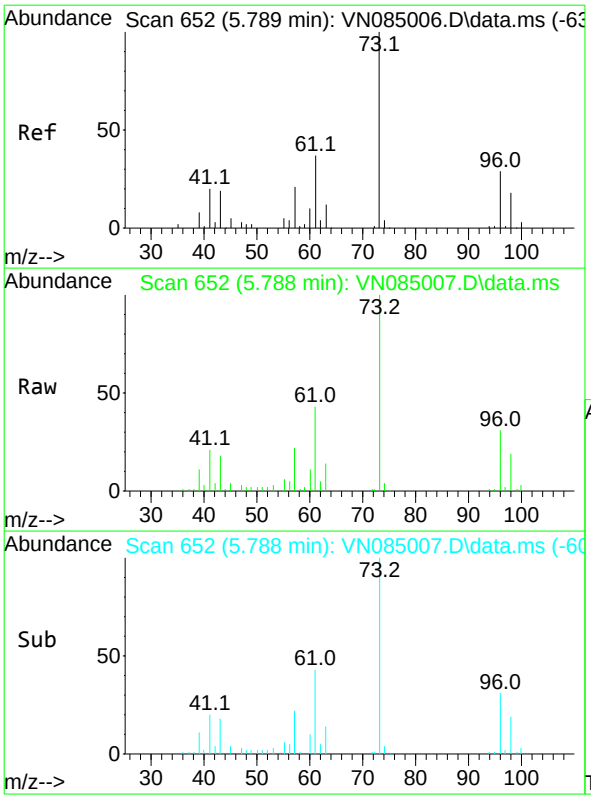


#18
Methyl Acetate
Concen: 20.318 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 43 Resp: 46954

Ion	Ratio	Lower	Upper
43	100		
74	24.7	20.1	30.1

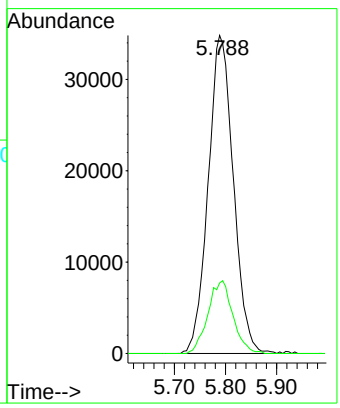




#19
Methyl tert-butyl Ether
Concen: 20.350 ug/l
RT: 5.788 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 73 Resp: 119013

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.0	25.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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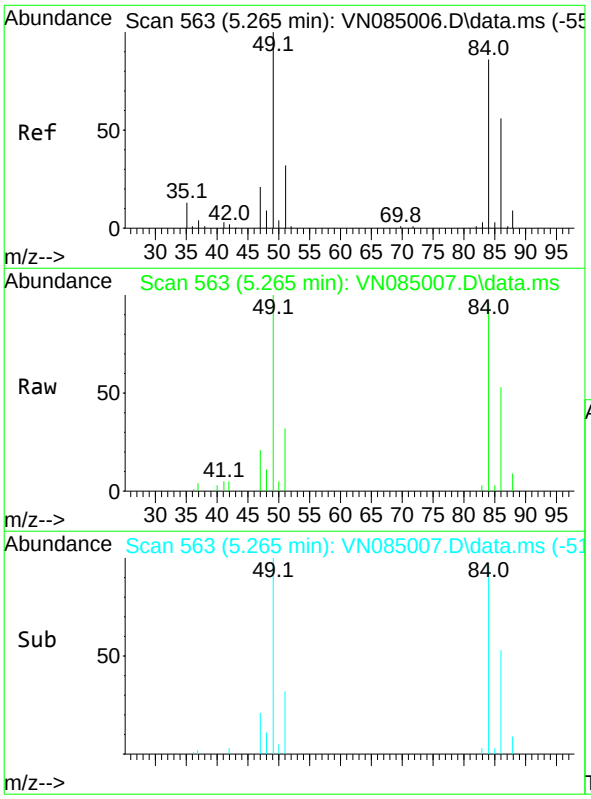
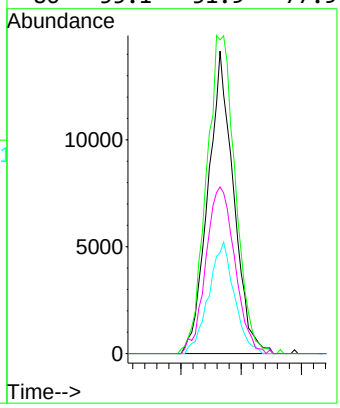
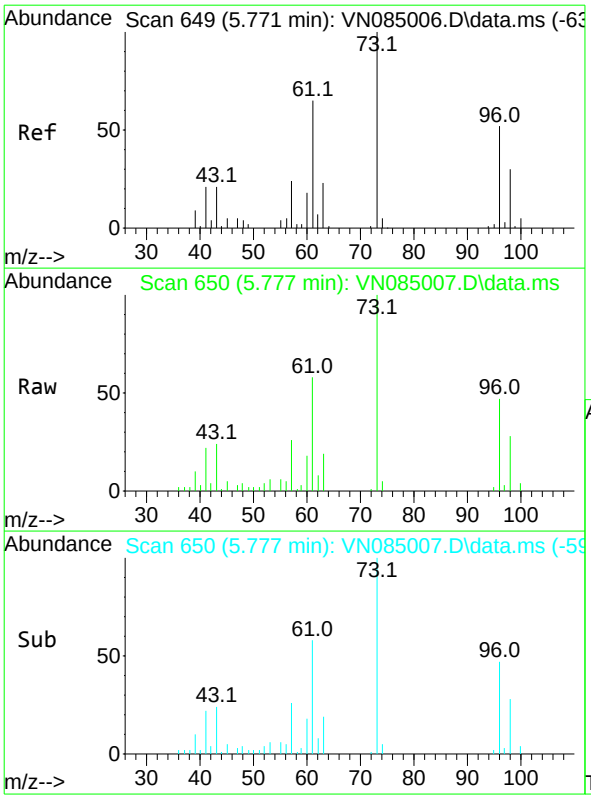


#20
Methylene Chloride
Concen: 19.553 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 84 Resp: 41741

Ion	Ratio	Lower	Upper
84	100		
49	103.7	92.7	139.1
51	33.4	29.4	44.2
86	55.1	51.9	77.9

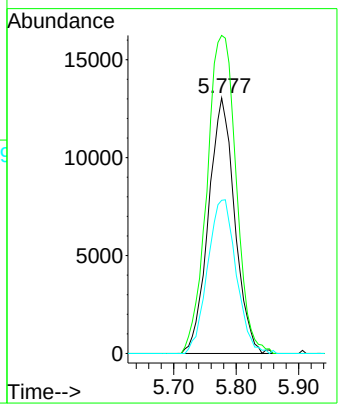




#21
trans-1,2-Dichloroethene
Concen: 20.221 ug/l
RT: 5.777 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 96 Resp: 38088

Ion	Ratio	Lower	Upper
96	100		
61	124.5	100.7	151.1
98	60.0	45.8	68.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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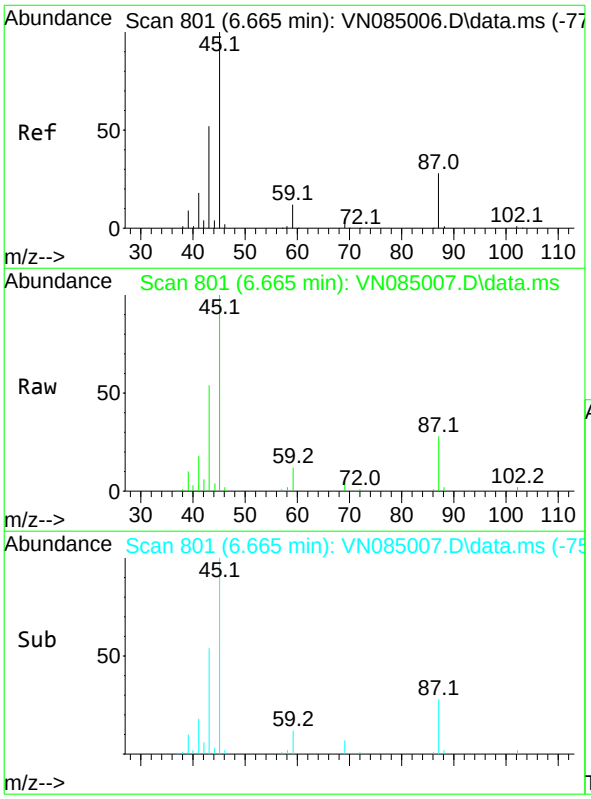
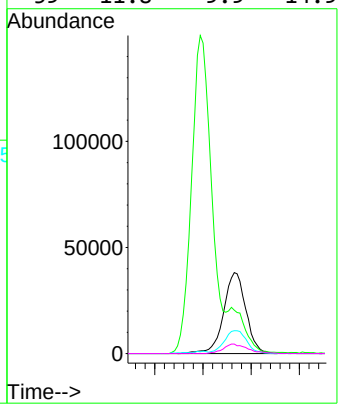
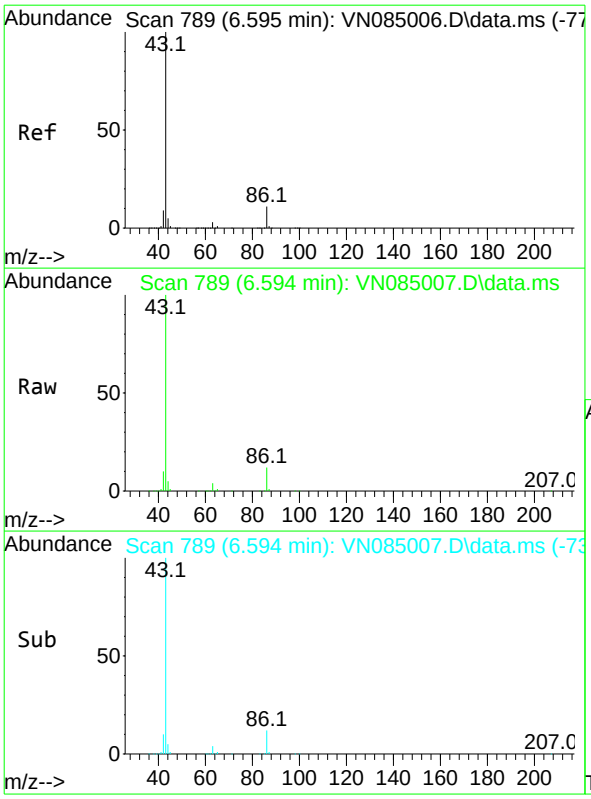


#22
Diisopropyl ether
Concen: 20.162 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 45 Resp: 122443

Ion	Ratio	Lower	Upper
45	100		
43	52.2	42.7	64.1
87	28.2	22.6	34.0
59	11.8	9.9	14.9

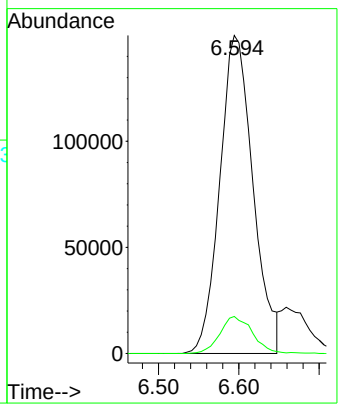




#23
Vinyl Acetate
Concen: 102.948 ug/l
RT: 6.594 min Scan# 78
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 43 Resp: 431313

Ion	Ratio	Lower	Upper
43	100		
86	11.6	8.9	13.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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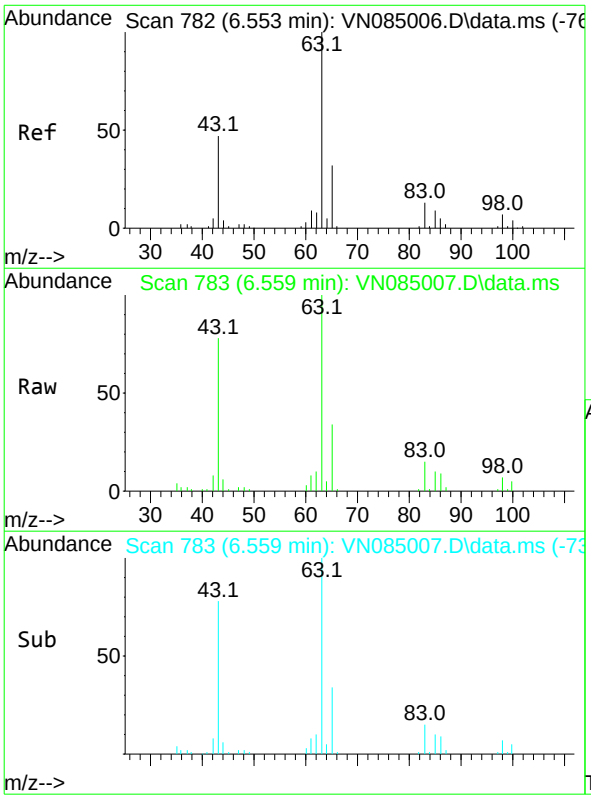
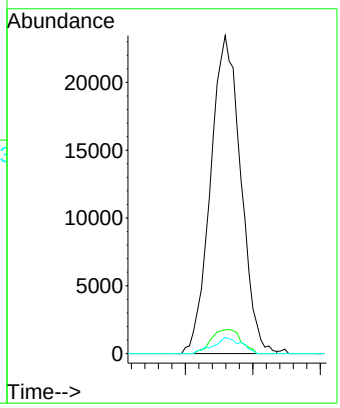
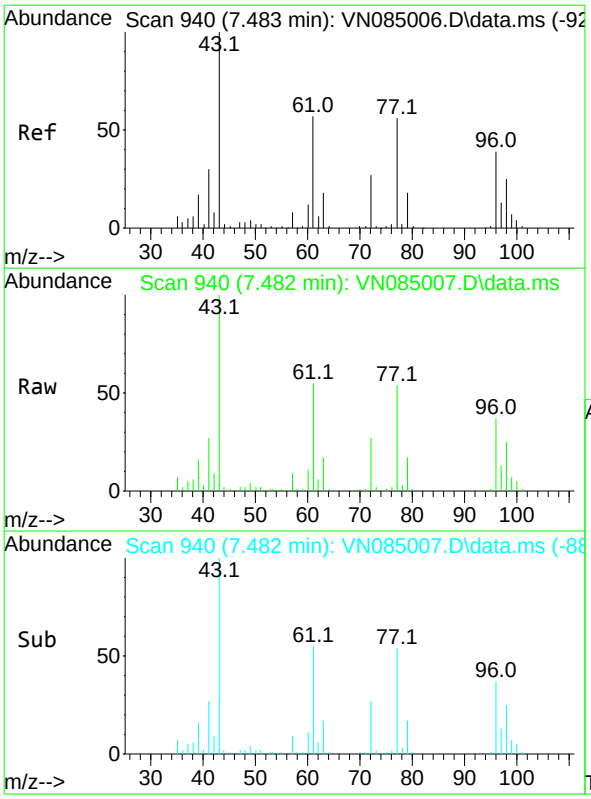


#24
1,1-Dichloroethane
Concen: 20.116 ug/l
RT: 6.559 min Scan# 783
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 63 Resp: 73105

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.3	9.8
100	5.0	2.2	6.6

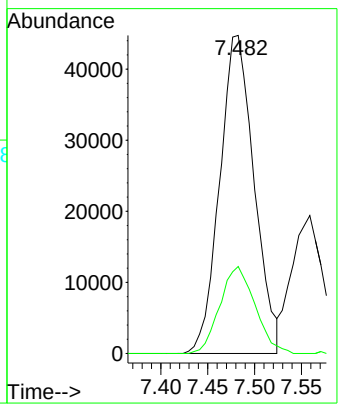




#25
2-Butanone
Concen: 100.226 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 43 Resp: 114635

Ion	Ratio	Lower	Upper
43	100		
72	27.4	21.4	32.0



Instrument :
MSVOA_N
ClientSampleId :
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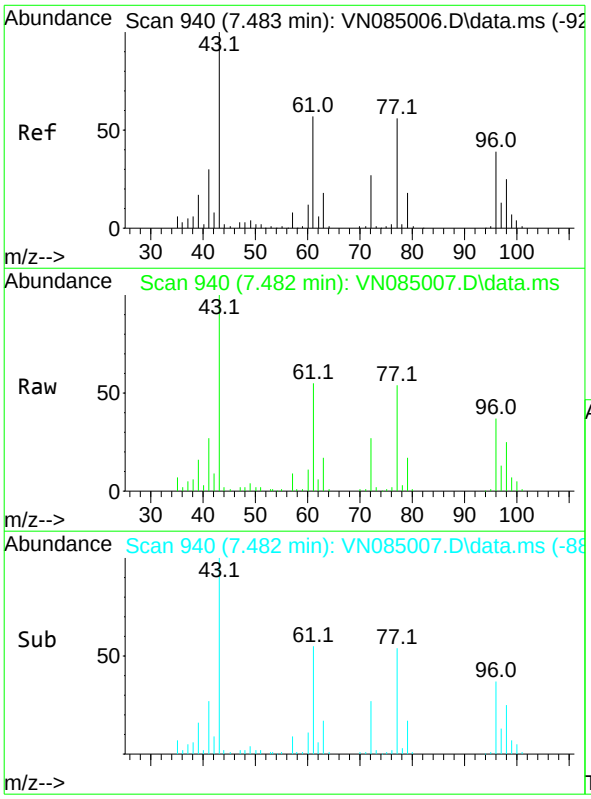
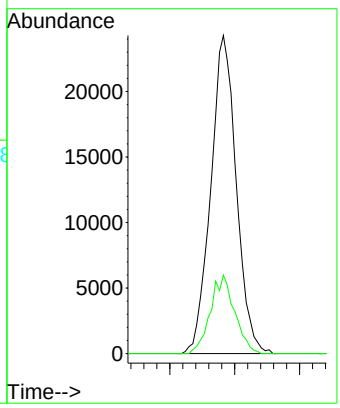
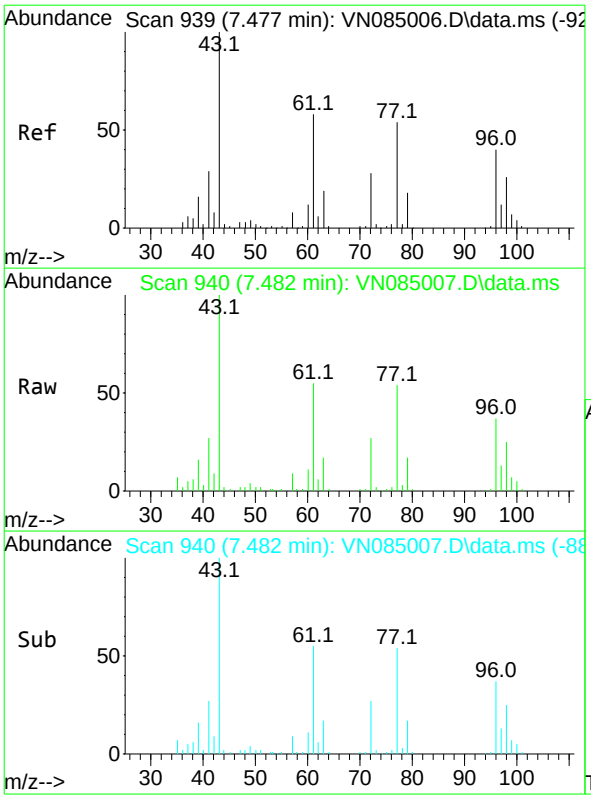


#26
2,2-Dichloropropane
Concen: 19.517 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 77 Resp: 66230

Ion	Ratio	Lower	Upper
77	100		
97	23.4	10.9	32.7

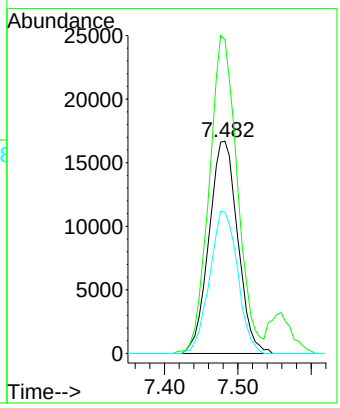




#27
cis-1,2-Dichloroethene
Concen: 19.953 ug/l
RT: 7.482 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 96 Resp: 45307

Ion	Ratio	Lower	Upper
96	100		
61	147.1	0.0	291.6
98	65.1	0.0	129.8



Instrument :
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ClientSampleId :
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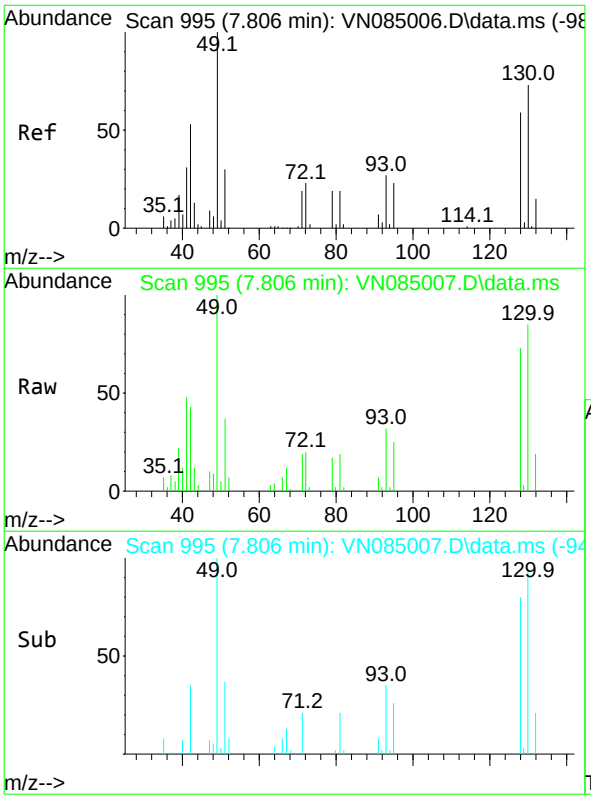
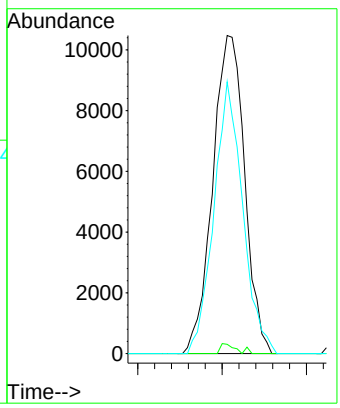
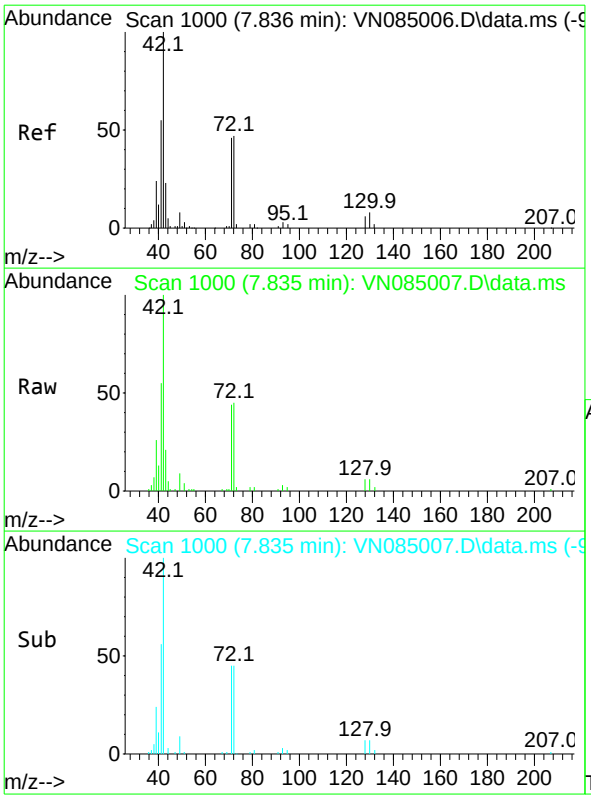


#28
Bromochloromethane
Concen: 20.092 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 49 Resp: 27564

Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.0
130	77.0	60.6	90.8

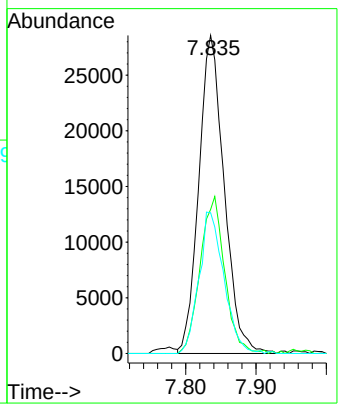




#29
Tetrahydrofuran
Concen: 100.618 ug/l
RT: 7.835 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 42 Resp: 71566

Ion	Ratio	Lower	Upper
42	100		
72	47.8	37.0	55.4
71	43.8	35.0	52.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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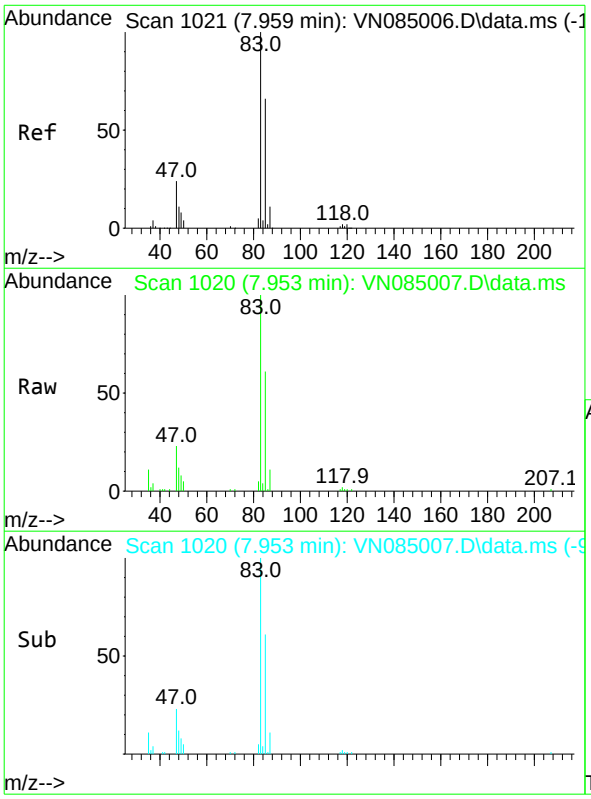
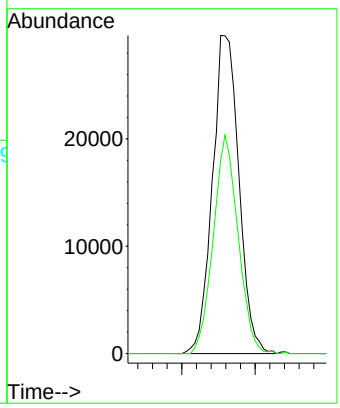
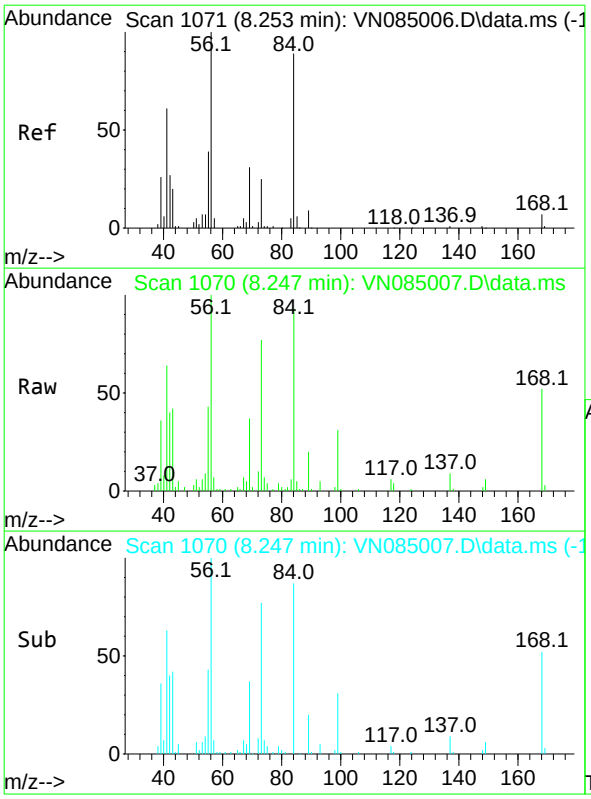


#30
Chloroform
Concen: 19.270 ug/l
RT: 7.953 min Scan# 1020
Delta R.T. -0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 83 Resp: 74495

Ion	Ratio	Lower	Upper
83	100		
85	60.8	52.6	78.8

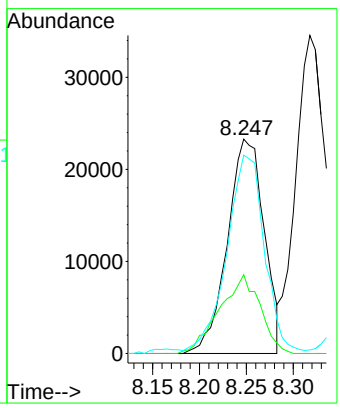




#31
Cyclohexane
Concen: 19.852 ug/l
RT: 8.247 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 56 Resp: 63521

Ion	Ratio	Lower	Upper
56	100		
69	36.7	24.6	36.8
84	90.7	71.4	107.2



Instrument :
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ClientSampleId :
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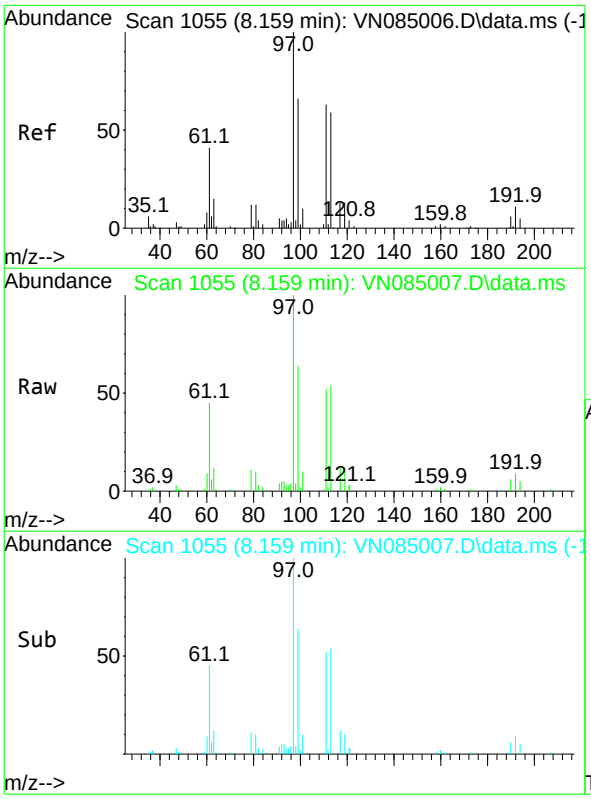
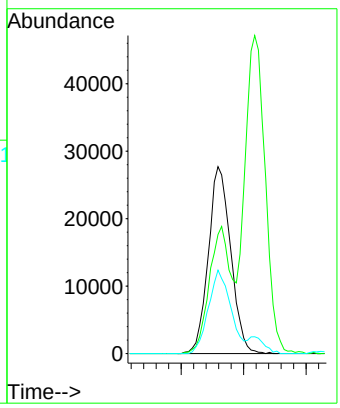
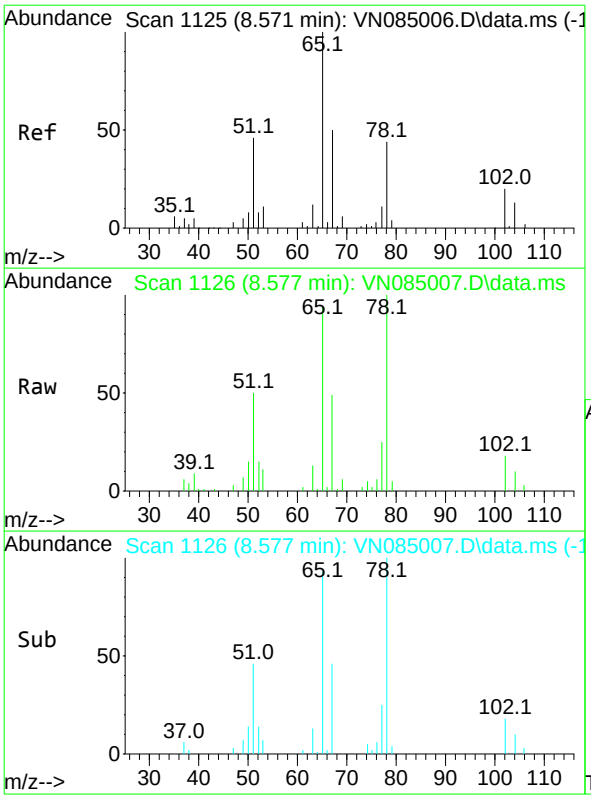


#32
1,1,1-Trichloroethane
Concen: 19.725 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 97 Resp: 68908

Ion	Ratio	Lower	Upper
97	100		
99	67.5	51.0	76.4
61	44.3	36.2	54.2

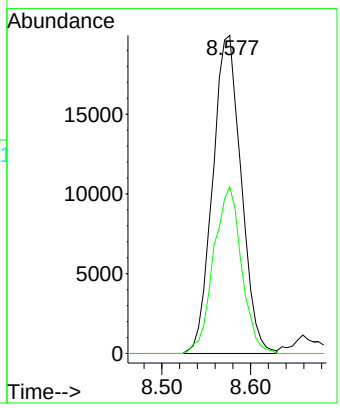




#33
1,2-Dichloroethane-d4
Concen: 18.483 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 65 Resp: 44399

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	105.0



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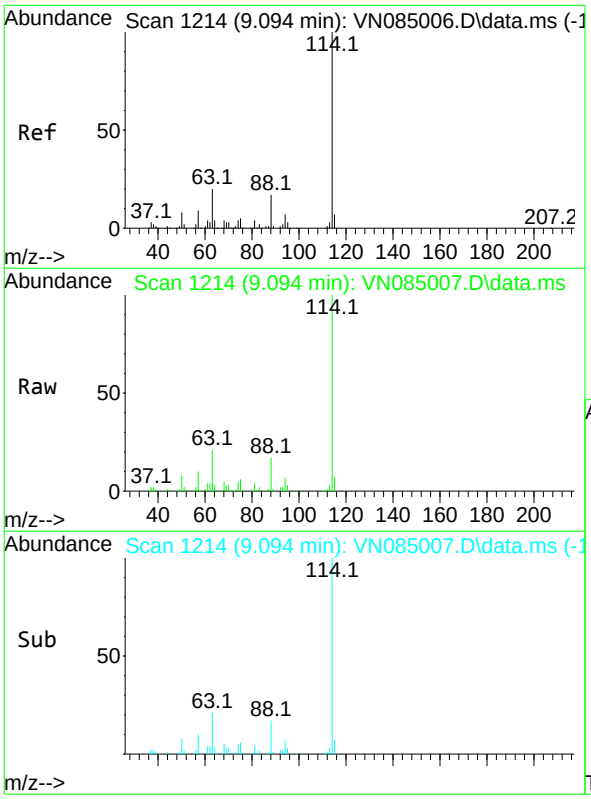
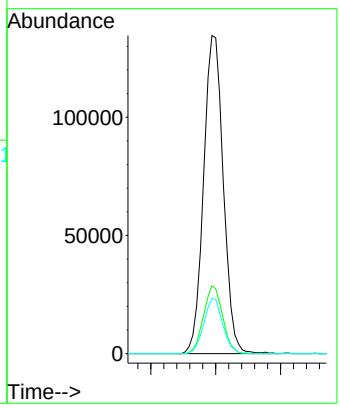
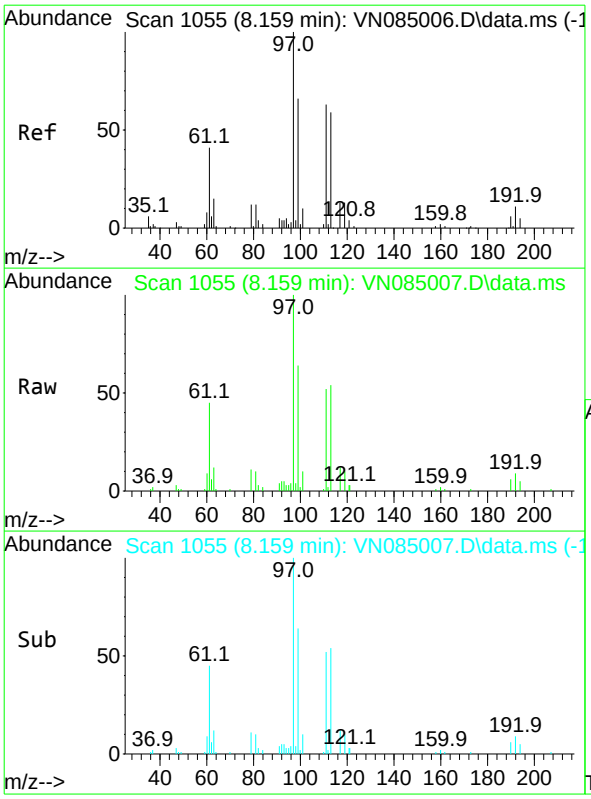


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:114 Resp: 283685

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	41.0
88	17.3	0.0	34.8

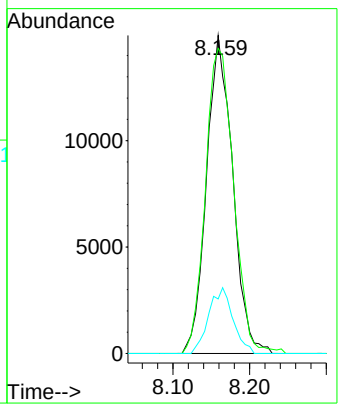




#35
Dibromofluoromethane
Concen: 18.466 ug/l
RT: 8.159 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:113 Resp: 35327

Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.0	123.0
192	19.2	14.8	22.2



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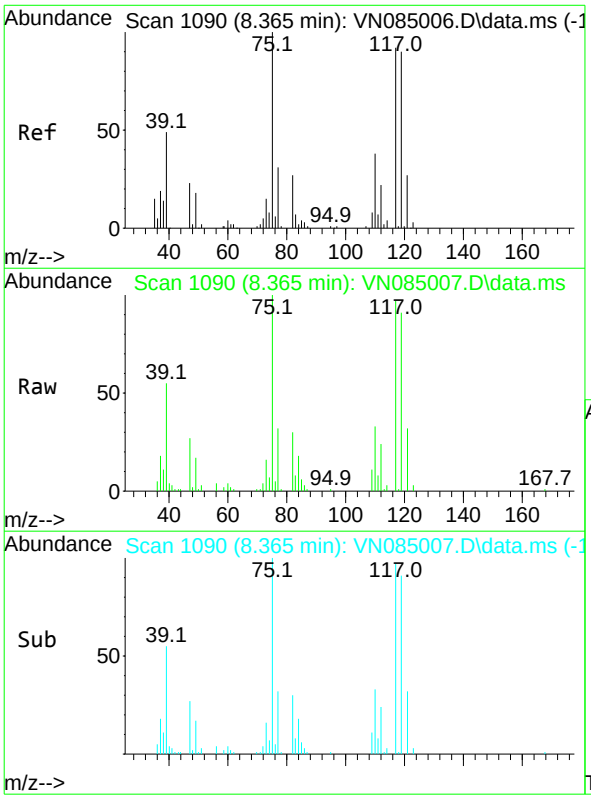
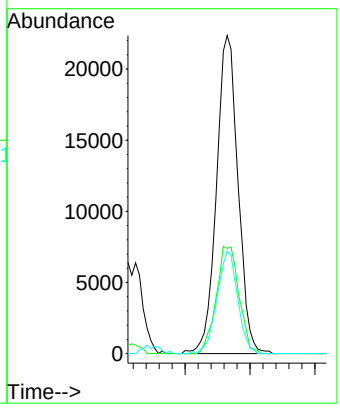
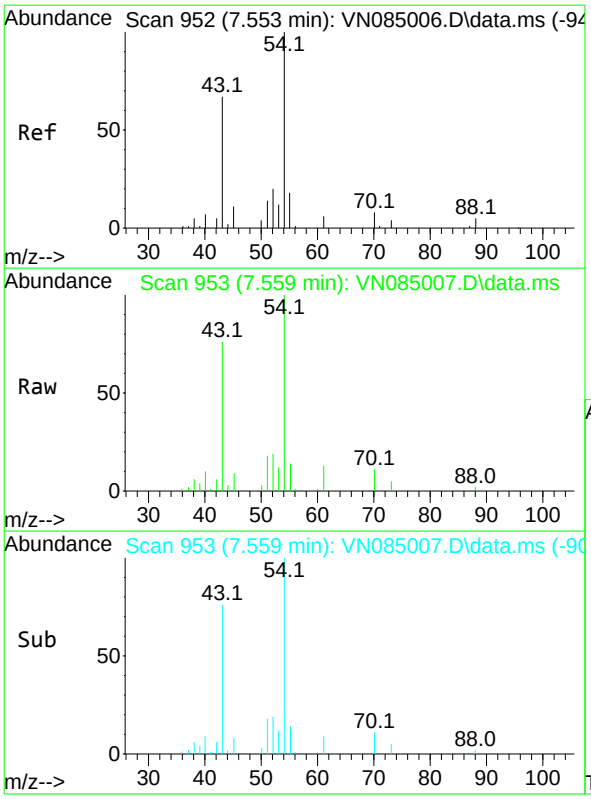


#36
1,1-Dichloropropene
Concen: 19.888 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 75 Resp: 51535

Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.2	51.6
77	30.9	24.2	36.4

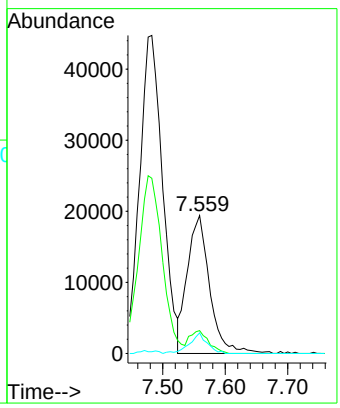




#37
Ethyl Acetate
Concen: 20.561 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 43 Resp: 48436

Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.7	17.5
70	11.7	9.3	13.9



Instrument :
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ClientSampleId :
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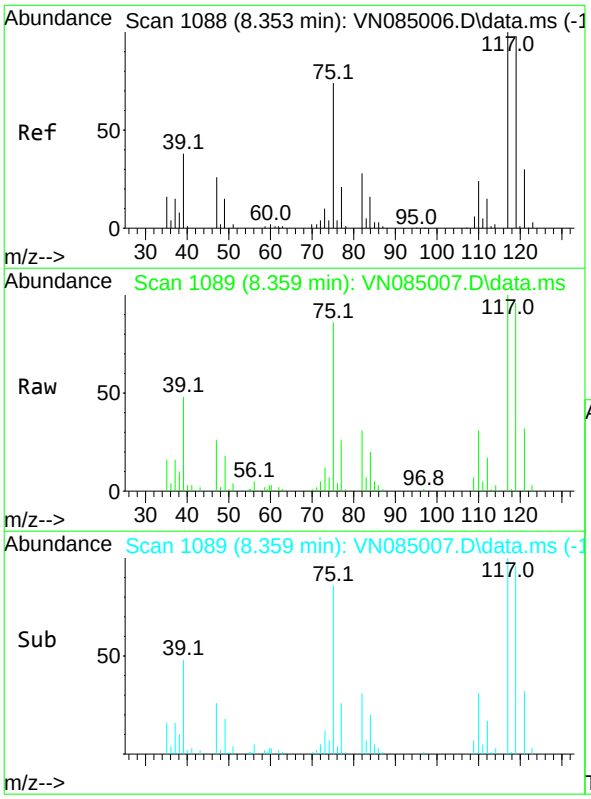
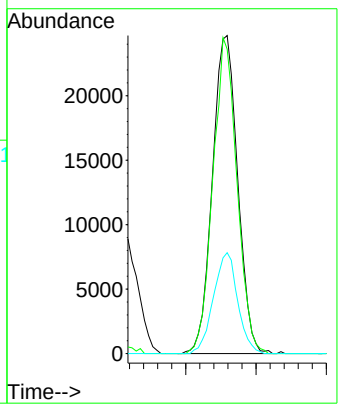
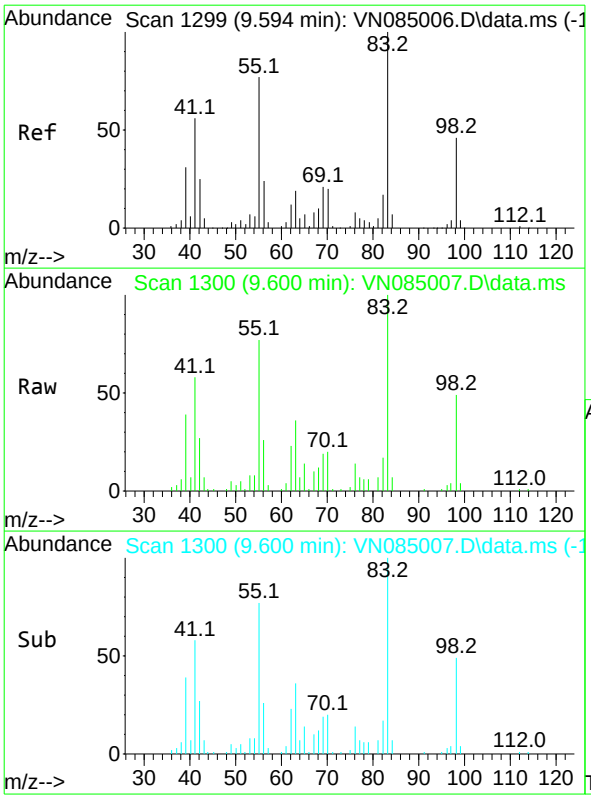


#38
Carbon Tetrachloride
Concen: 20.593 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:117 Resp: 61594

Ion	Ratio	Lower	Upper
117	100		
119	95.7	78.6	117.8
121	31.7	24.2	36.2

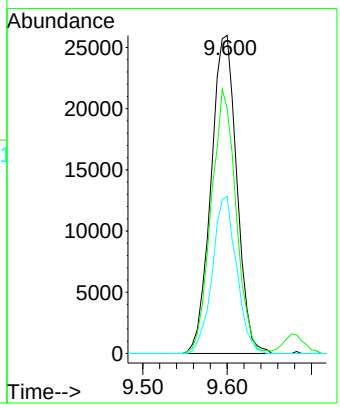




#39
Methylcyclohexane
Concen: 20.464 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 83 Resp: 55102

Ion	Ratio	Lower	Upper
83	100		
55	76.9	61.8	92.6
98	49.4	37.0	55.6



Instrument :
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ClientSampleId :
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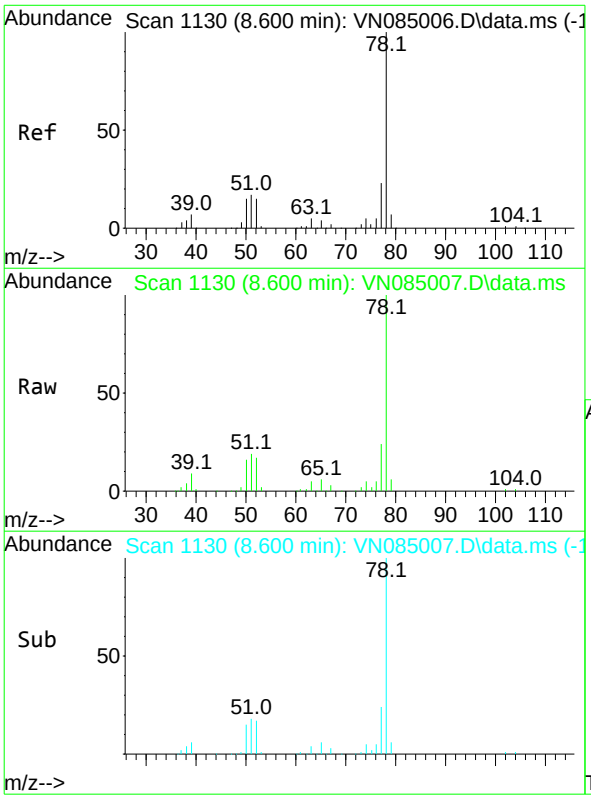
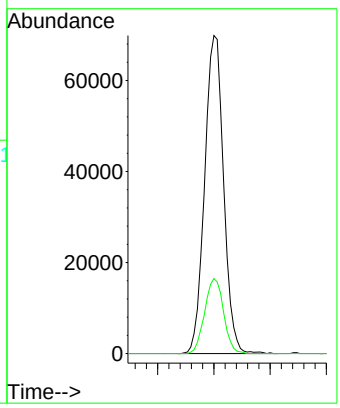
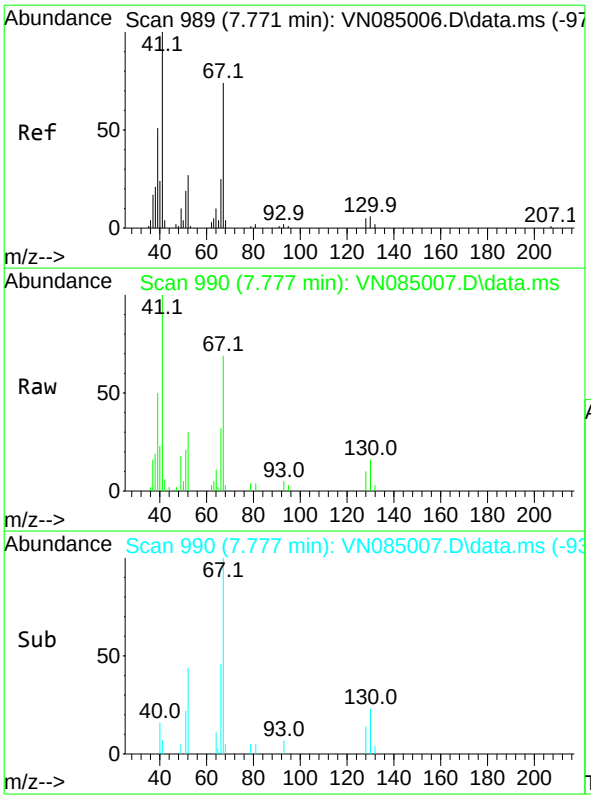


#40
Benzene
Concen: 19.977 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 78 Resp: 163727

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.5	27.7

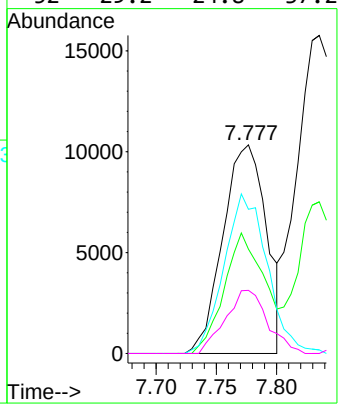




#41
Methacrylonitrile
Concen: 19.942 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 41 Resp: 26011

Ion	Ratio	Lower	Upper
41	100		
39	53.0	42.6	63.8
67	75.9	59.9	89.9
52	29.2	24.8	37.2



Instrument :
MSVOA_N
ClientSampleId :
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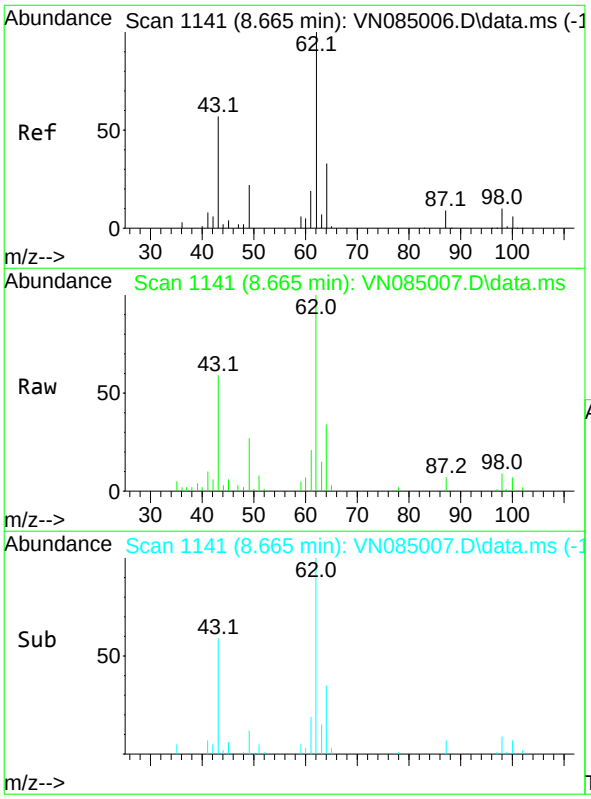
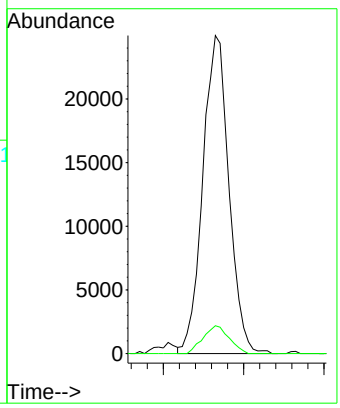
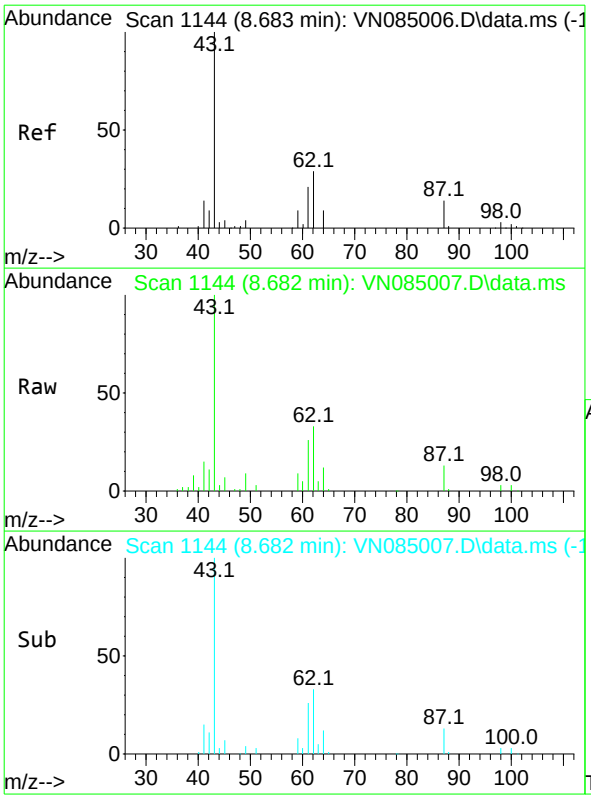


#42
1,2-Dichloroethane
Concen: 20.106 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 62 Resp: 56374

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.2

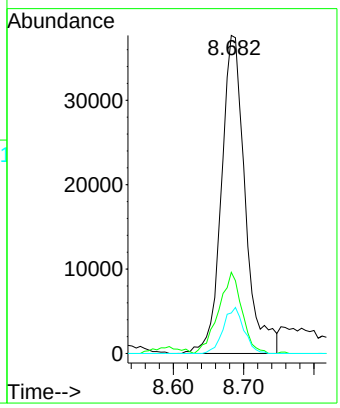




#43
Isopropyl Acetate
Concen: 18.116 ug/l
RT: 8.682 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 43 Resp: 88647

Ion	Ratio	Lower	Upper
43	100		
61	25.1	20.6	30.8
87	12.6	11.0	16.4



Instrument :
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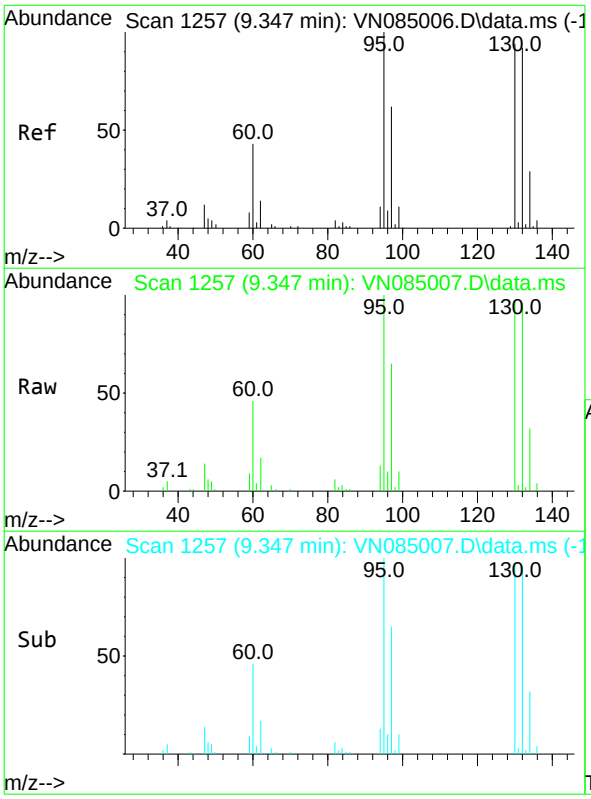
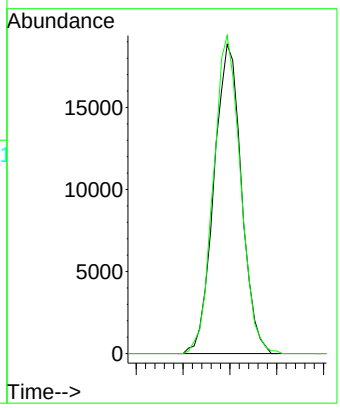
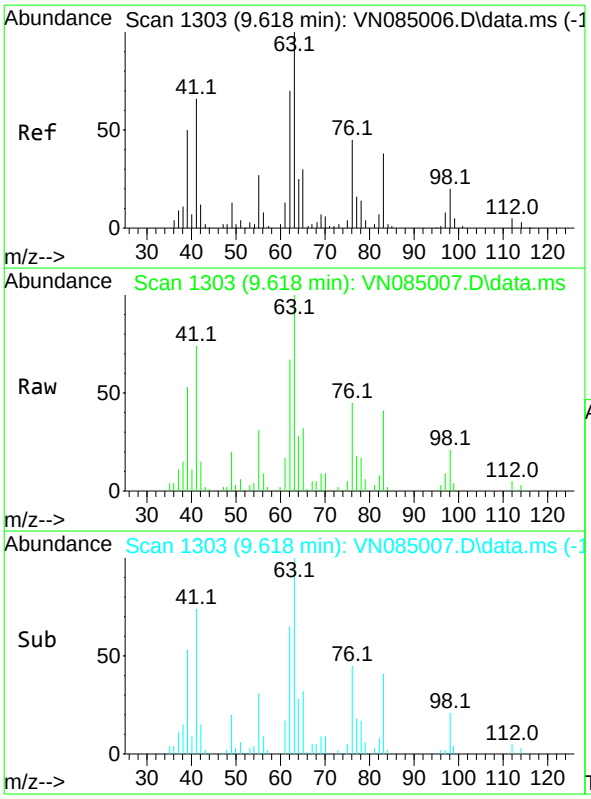


#44
Trichloroethene
Concen: 20.127 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:130 Resp: 38334

Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	213.4

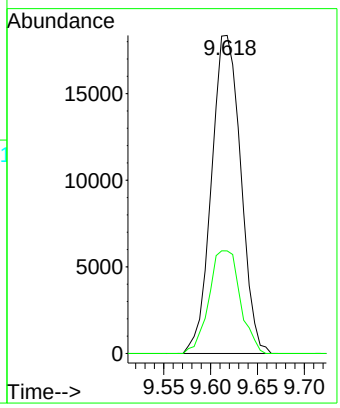




#45
1,2-Dichloropropane
Concen: 19.742 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 63 Resp: 39852

Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.0	36.0



Instrument :
MSVOA_N
ClientSampleId :
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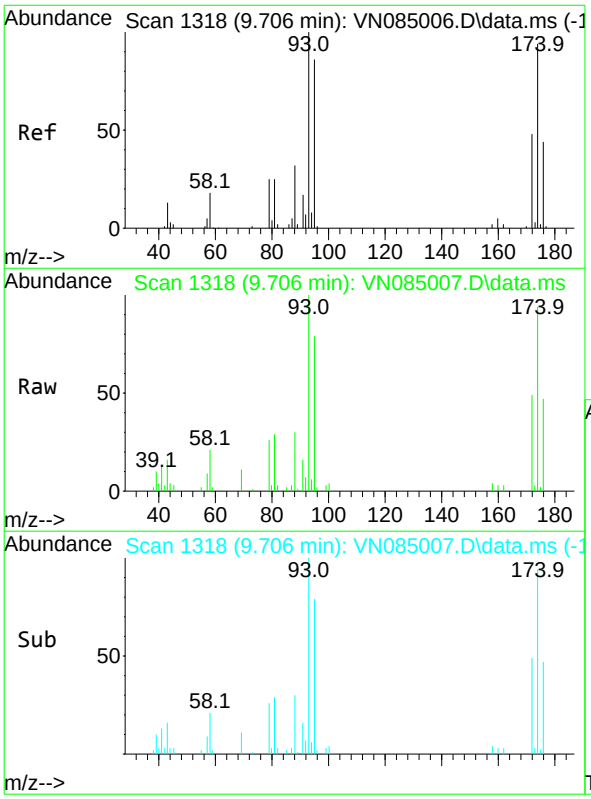
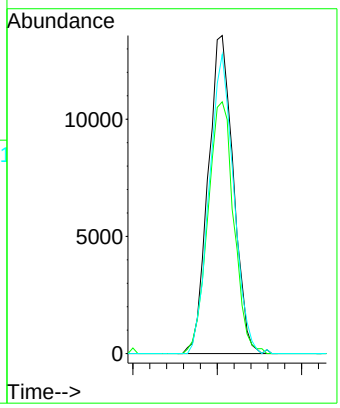
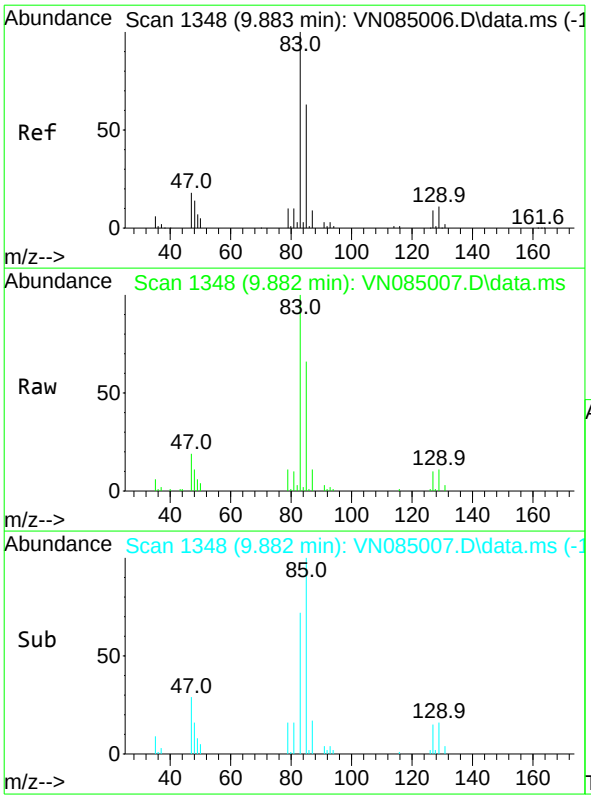


#46
Dibromomethane
Concen: 20.062 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 93 Resp: 28140

Ion	Ratio	Lower	Upper
93	100		
95	81.2	66.2	99.4
174	91.4	74.9	112.3

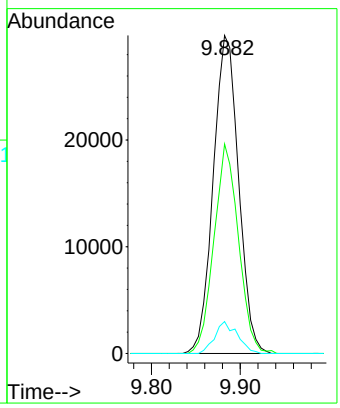




#47
Bromodichloromethane
Concen: 19.849 ug/l
RT: 9.882 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 83 Resp: 59008

Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.5	75.7
127	10.0	7.1	10.7



Instrument :
MSVOA_N
ClientSampleId :
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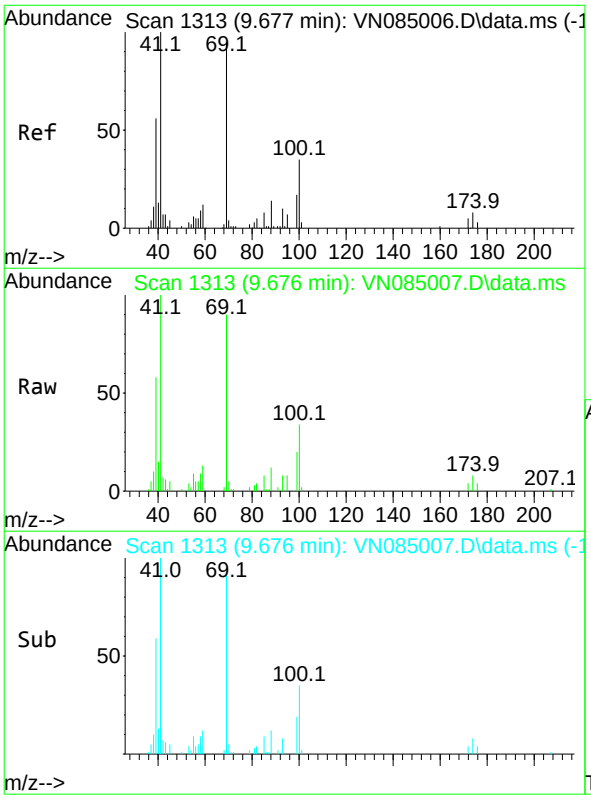
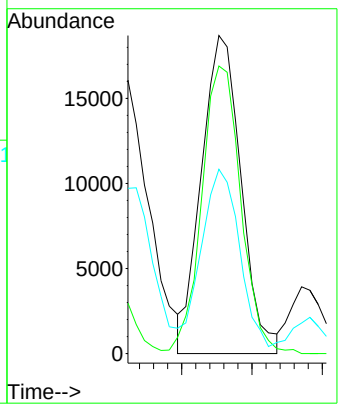
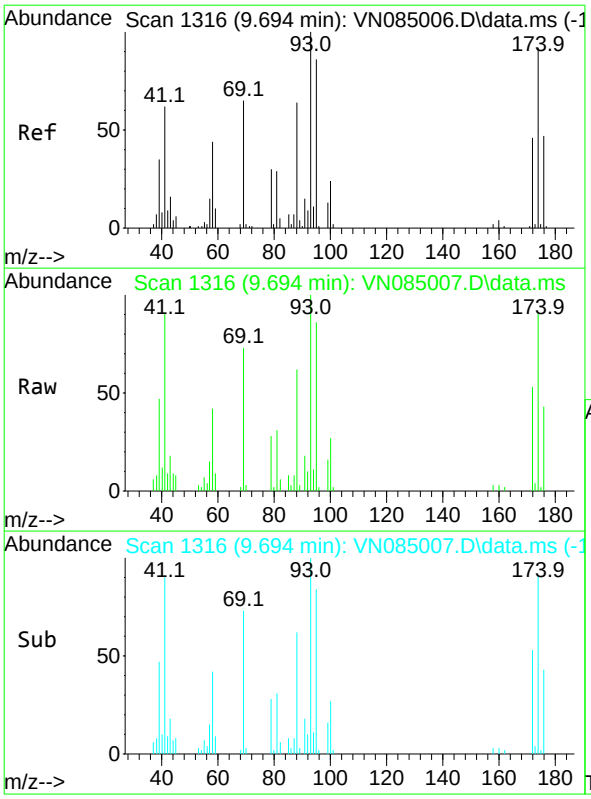


#48
Methyl methacrylate
Concen: 20.148 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 41 Resp: 36687

Ion	Ratio	Lower	Upper
41	100		
69	89.2	73.2	109.8
39	56.9	46.2	69.4

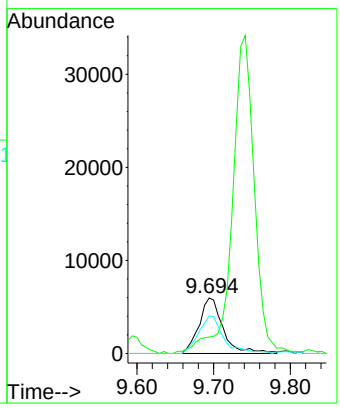




#49
1,4-Dioxane
Concen: 410.958 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 88 Resp: 12977

Ion	Ratio	Lower	Upper
88	100		
43	0.0	16.7	25.1#
58	70.3	56.5	84.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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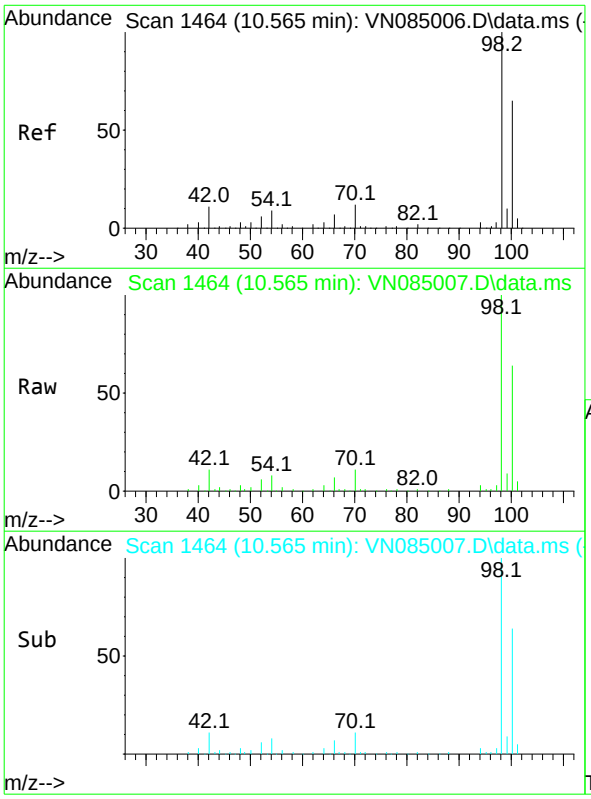
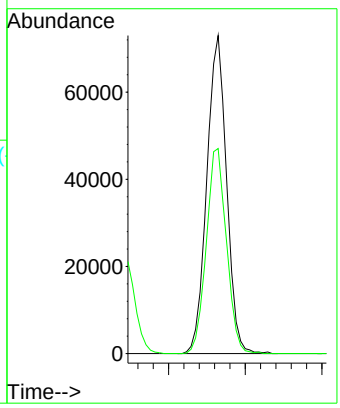
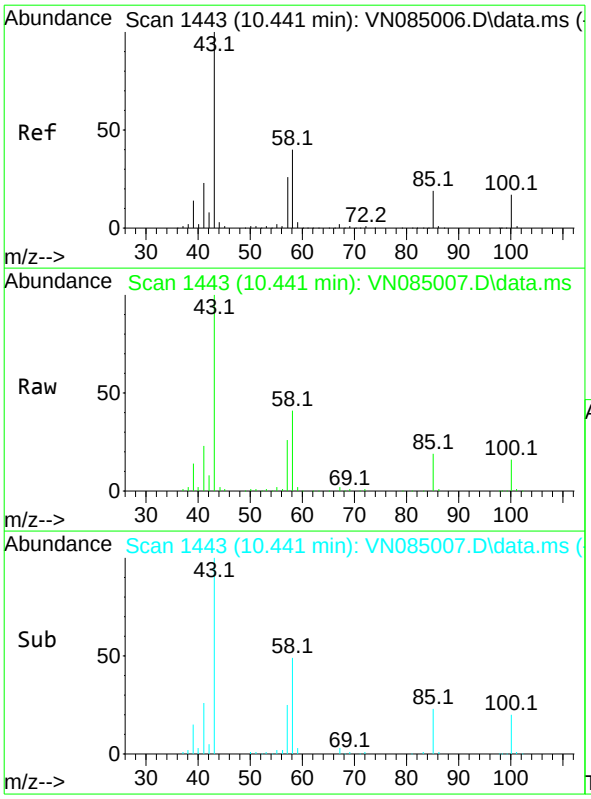


#50
Toluene-d8
Concen: 19.066 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 98 Resp: 130719

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.5	78.7

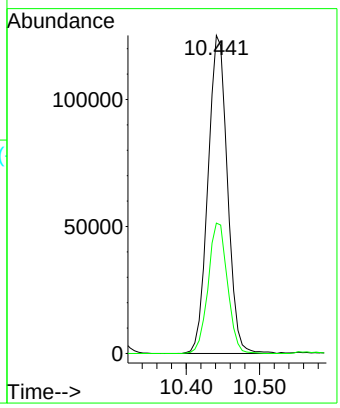




#51
4-Methyl-2-Pentanone
Concen: 103.015 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 43 Resp: 230239

Ion	Ratio	Lower	Upper
43	100		
58	40.7	32.1	48.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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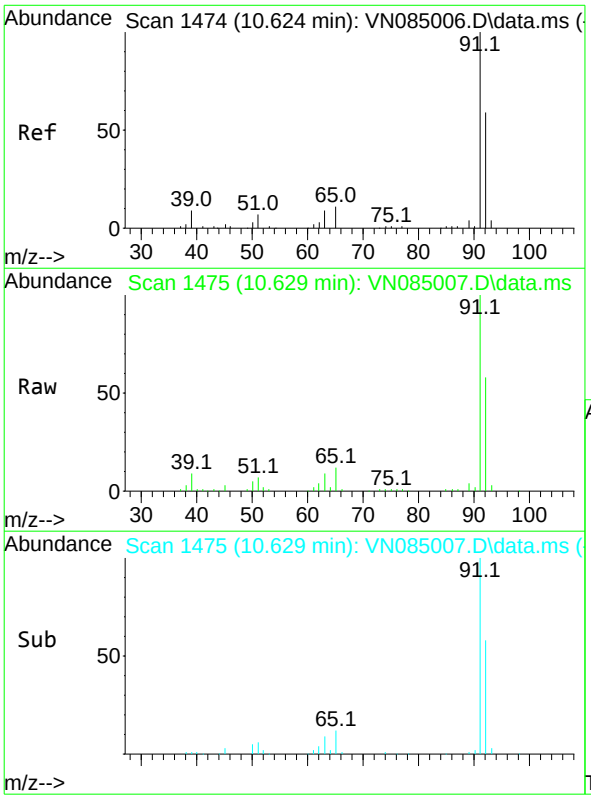
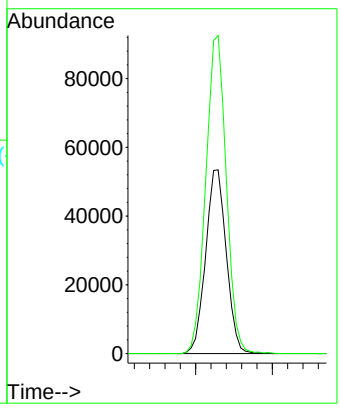
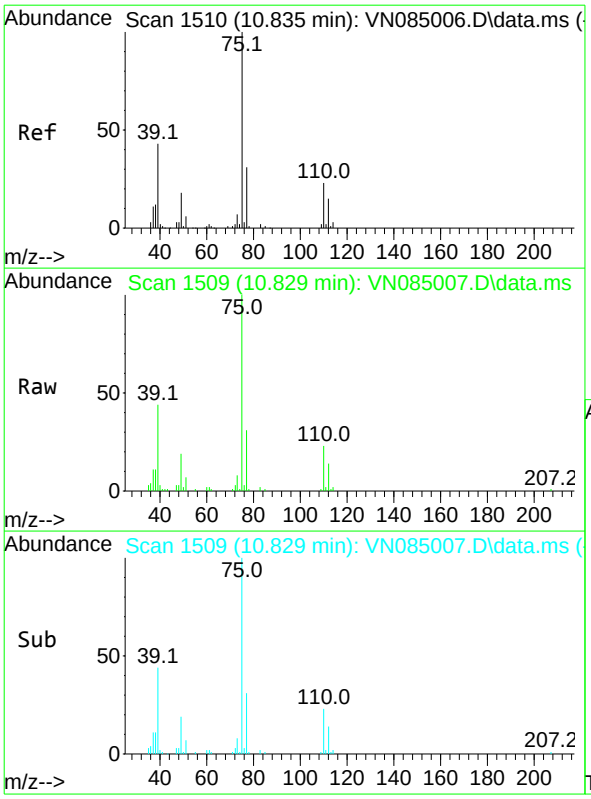


#52
Toluene
Concen: 20.615 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 92 Resp: 100021

Ion	Ratio	Lower	Upper
92	100		
91	171.9	136.7	205.1

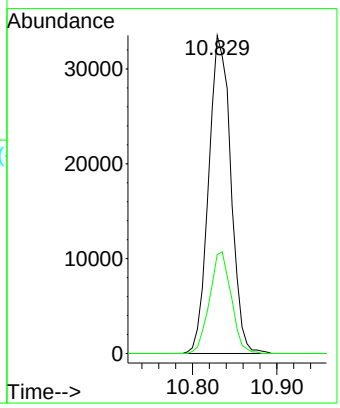




#53
t-1,3-Dichloropropene
Concen: 20.539 ug/l
RT: 10.829 min Scan# 15
Delta R.T. -0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 75 Resp: 61215

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4



Instrument :
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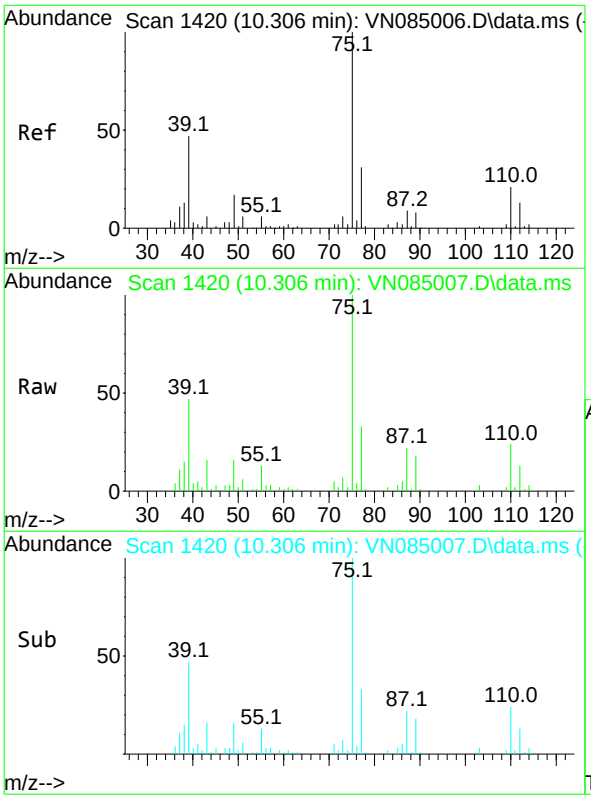
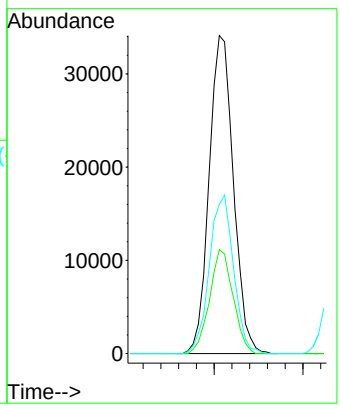
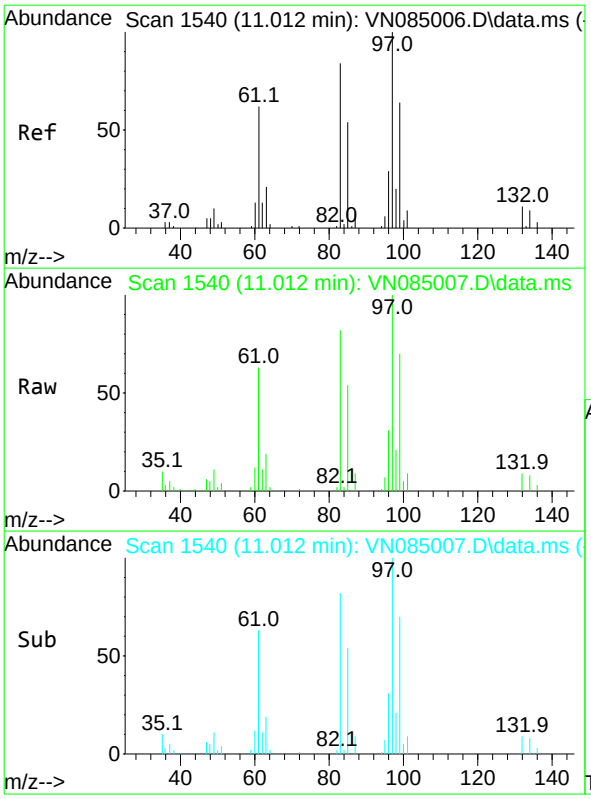


#54
cis-1,3-Dichloropropene
Concen: 20.501 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 75 Resp: 64823

Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.0	37.4
39	47.0	37.6	56.4

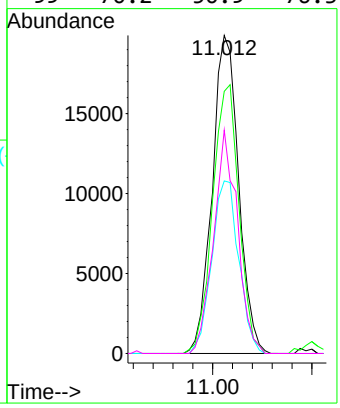




#55
1,1,2-Trichloroethane
Concen: 20.326 ug/l
RT: 11.012 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 97 Resp: 36732

Ion	Ratio	Lower	Upper
97	100		
83	82.4	67.4	101.2
85	54.3	43.1	64.7
99	70.2	50.9	76.3



Instrument :
MSVOA_N
ClientSampleId :
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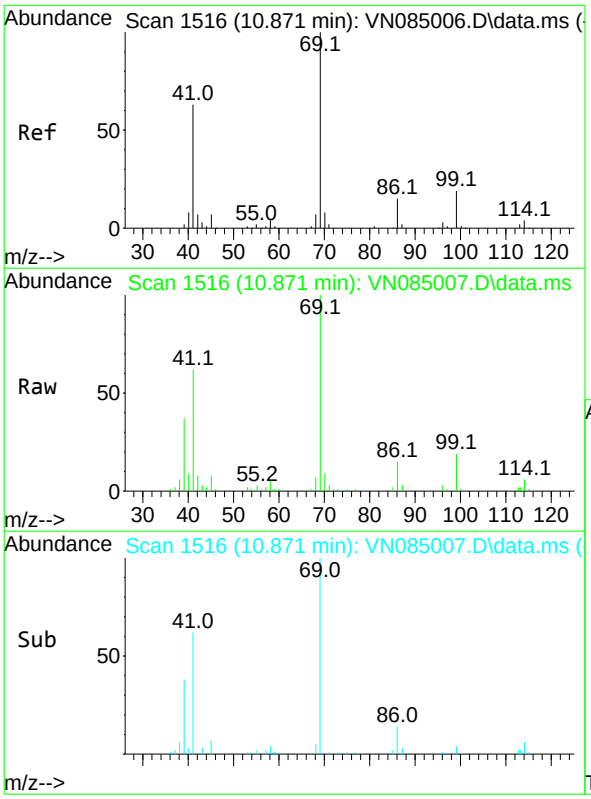
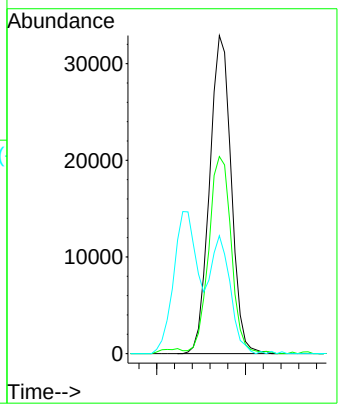
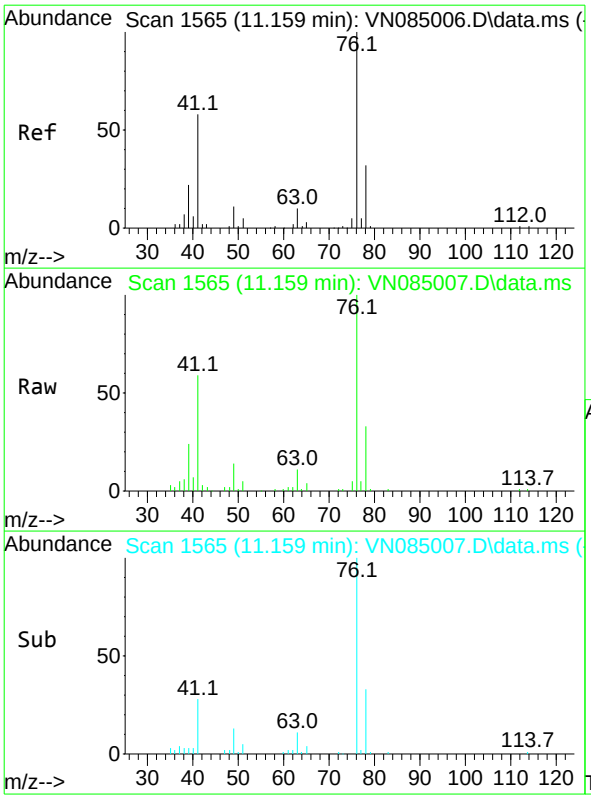


#56
Ethyl methacrylate
Concen: 21.089 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 69 Resp: 55691

Ion	Ratio	Lower	Upper
69	100		
41	64.8	50.0	75.0
39	34.2	27.0	40.6

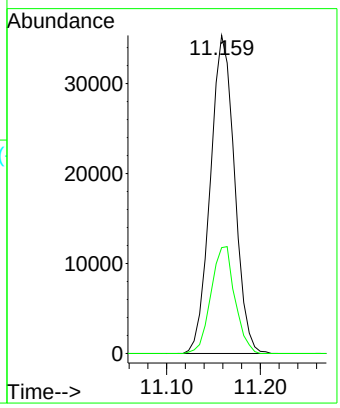




#57
1,3-Dichloropropane
Concen: 19.906 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 76 Resp: 63314

Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.1	39.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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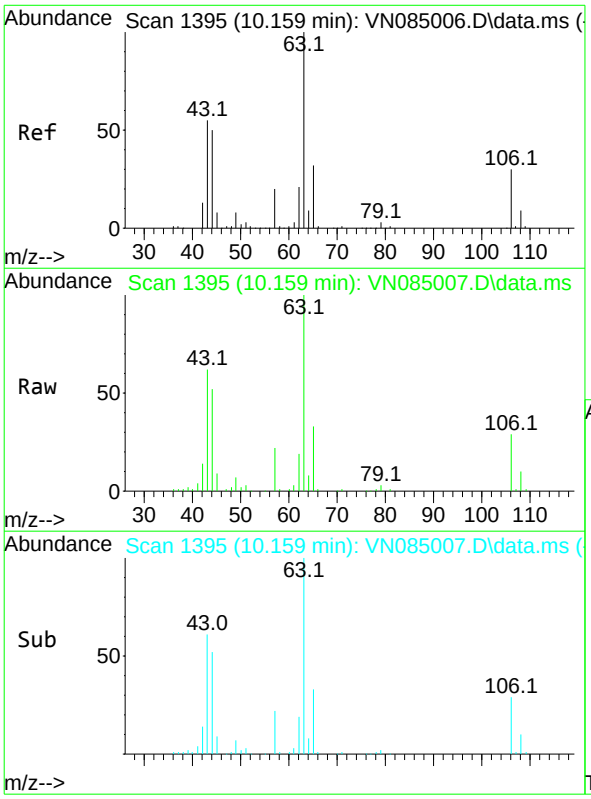
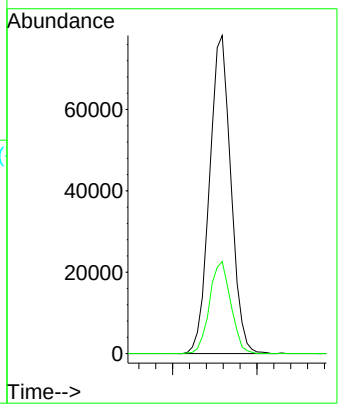
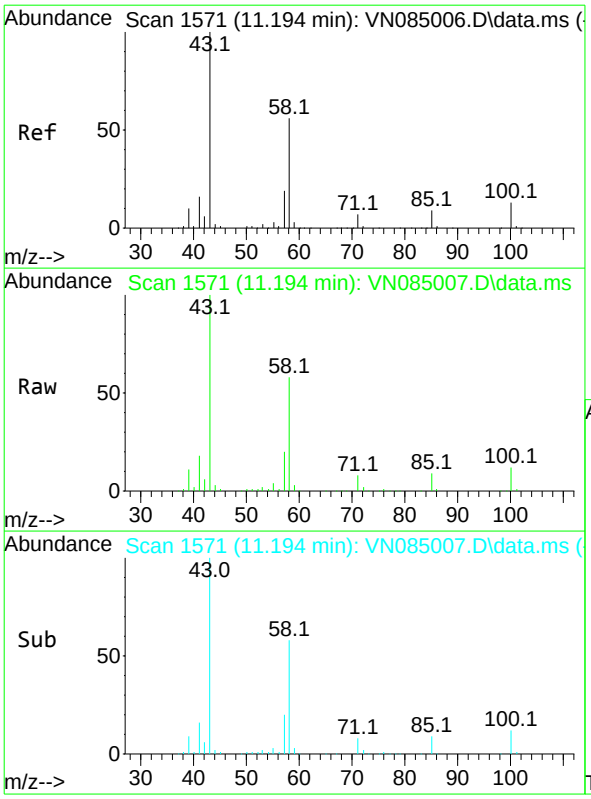


#58
2-Chloroethyl Vinyl ether
Concen: 106.227 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 63 Resp: 137602

Ion	Ratio	Lower	Upper
63	100		
106	28.7	23.0	34.6

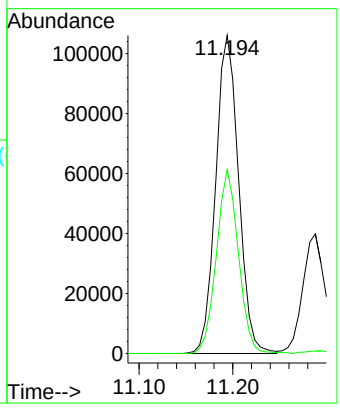




#59
2-Hexanone
Concen: 107.514 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 43 Resp: 179717

Ion	Ratio	Lower	Upper
43	100		
58	55.7	28.3	85.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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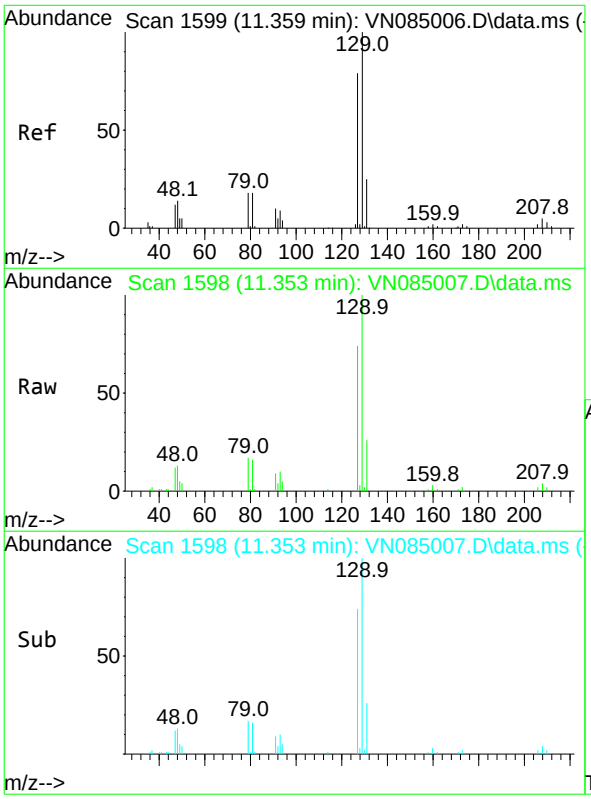
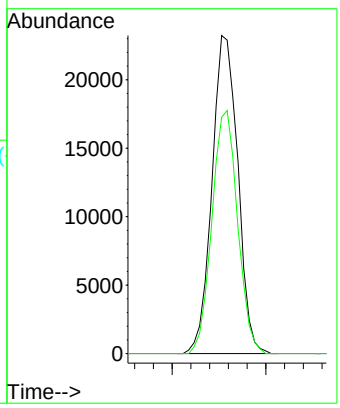
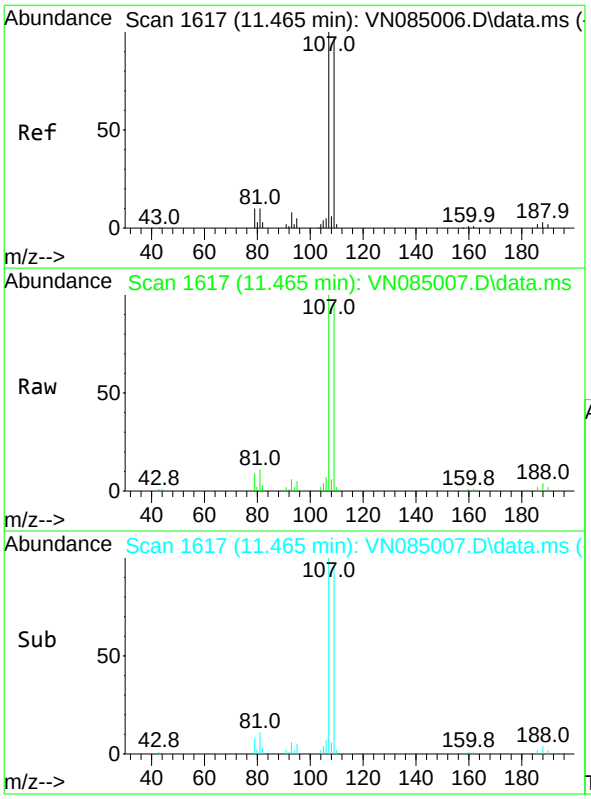


#60
Dibromochloromethane
Concen: 20.126 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:129 Resp: 44450

Ion	Ratio	Lower	Upper
129	100		
127	75.9	39.2	117.6

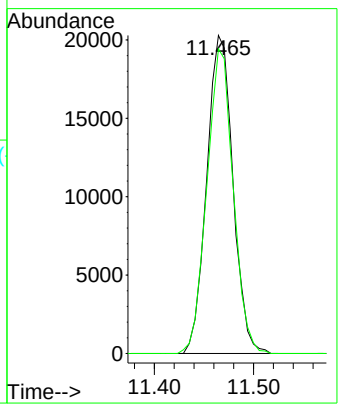




#61
1,2-Dibromoethane
Concen: 19.905 ug/l
RT: 11.465 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:107 Resp: 37228

Ion	Ratio	Lower	Upper
107	100		
109	96.2	76.1	114.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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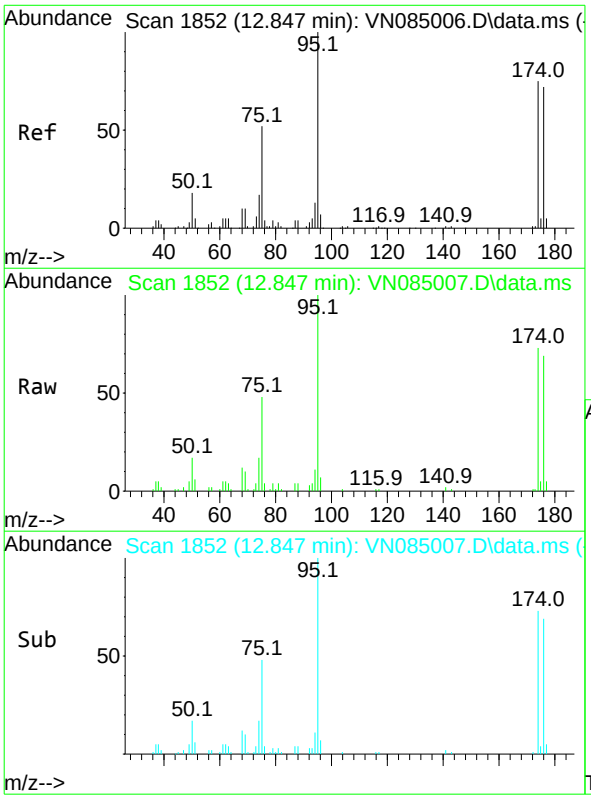
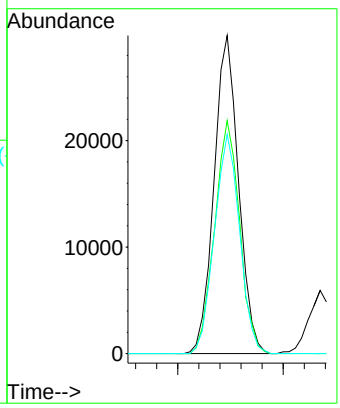
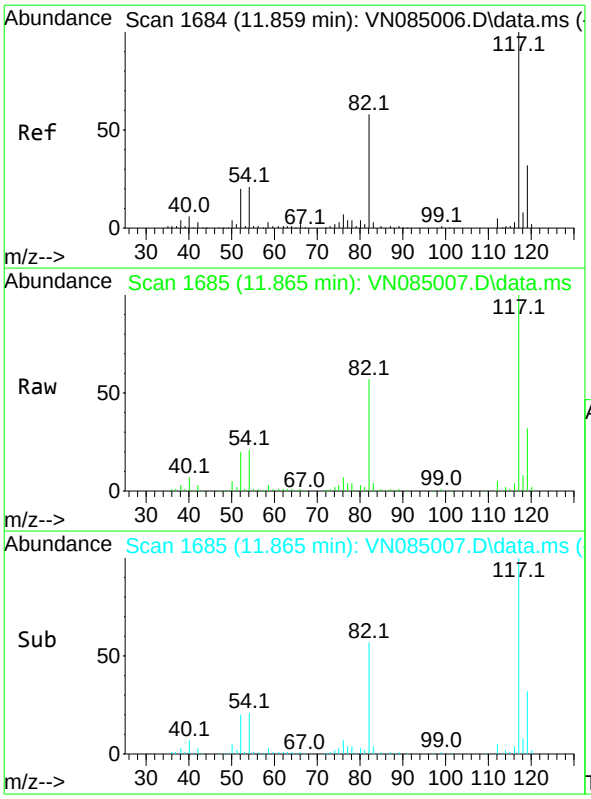


#62
4-Bromofluorobenzene
Concen: 18.797 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 95 Resp: 48193

Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	146.6
176	70.8	0.0	141.8

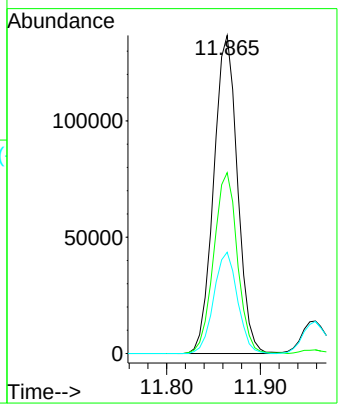




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:117 Resp: 240895

Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.0	69.0
119	31.8	25.6	38.4



Instrument :
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ClientSampleId :
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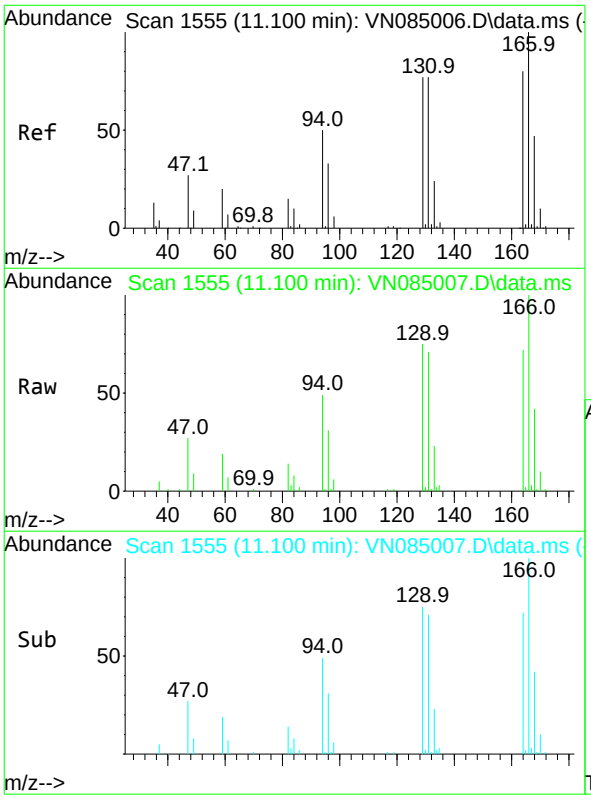
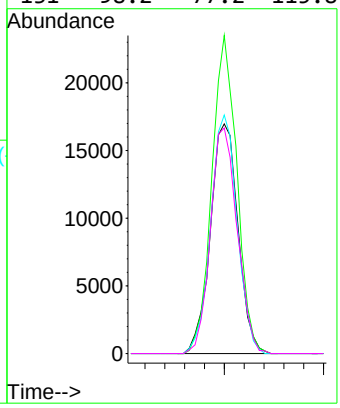
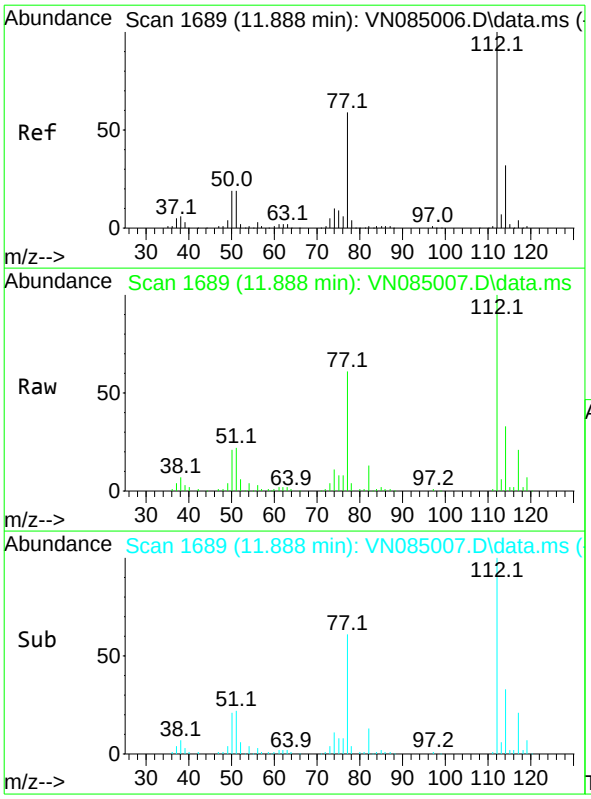


#64
Tetrachloroethene
Concen: 20.155 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:164 Resp: 32716

Ion	Ratio	Lower	Upper
164	100		
166	138.5	100.6	151.0
129	103.9	77.7	116.5
131	98.2	77.2	115.8

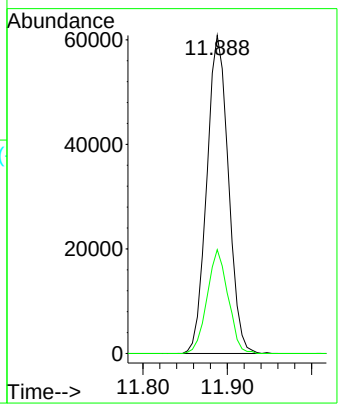




#65
Chlorobenzene
Concen: 19.815 ug/l
RT: 11.888 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:112 Resp: 108255

Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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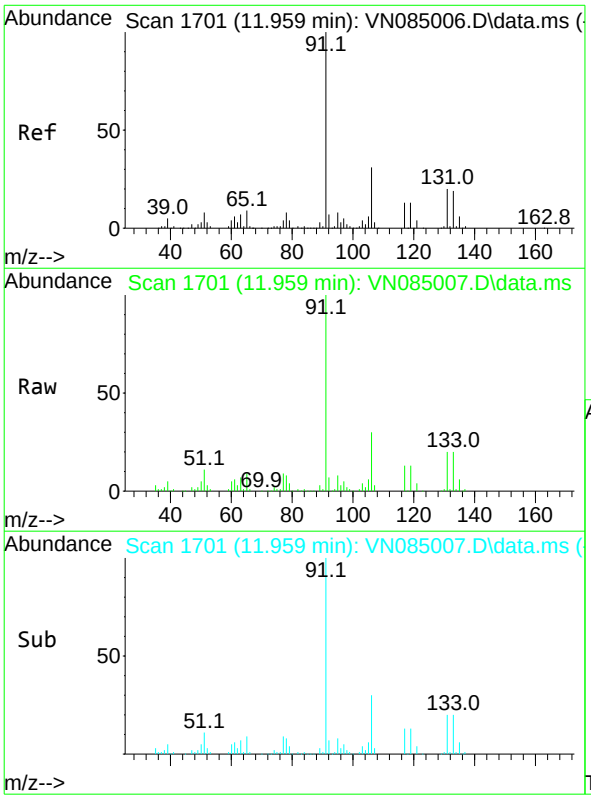
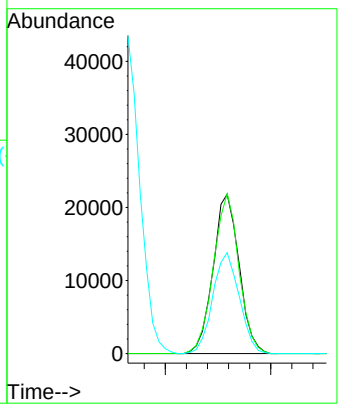
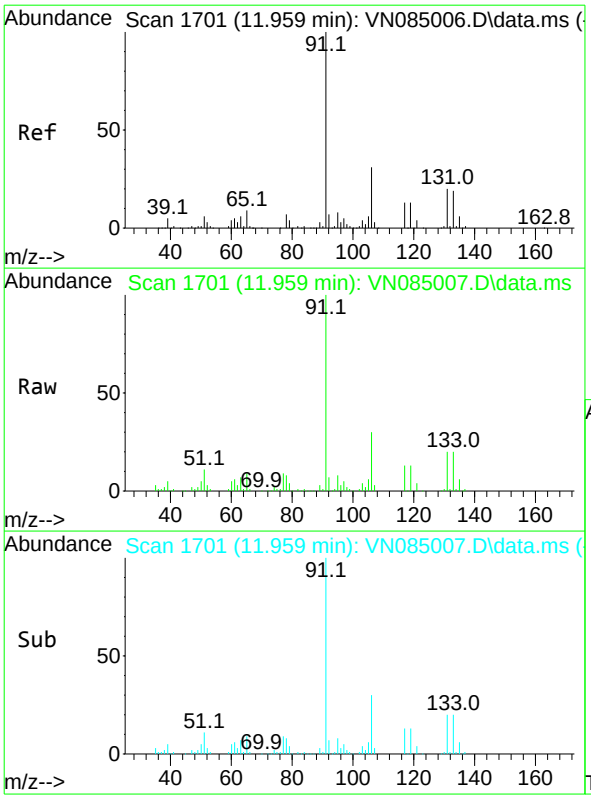


#66
1,1,1,2-Tetrachloroethane
Concen: 19.446 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:131 Resp: 37404

Ion	Ratio	Lower	Upper
131	100		
133	98.4	47.8	143.4
119	64.4	32.1	96.3

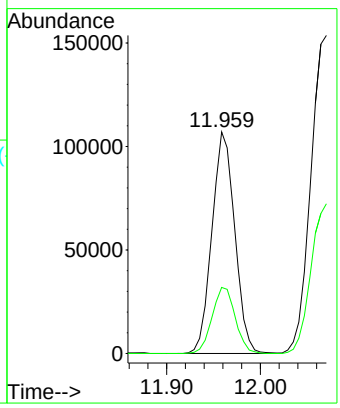




#67
Ethyl Benzene
Concen: 20.440 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 91 Resp: 181169

Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.7	37.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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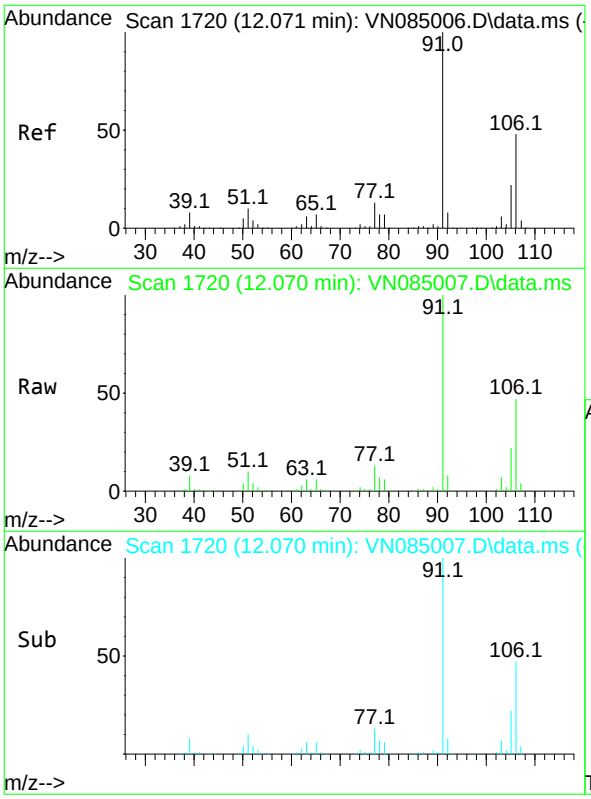
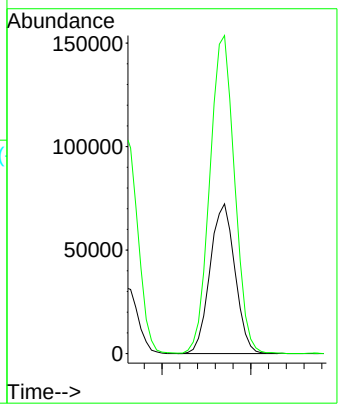
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

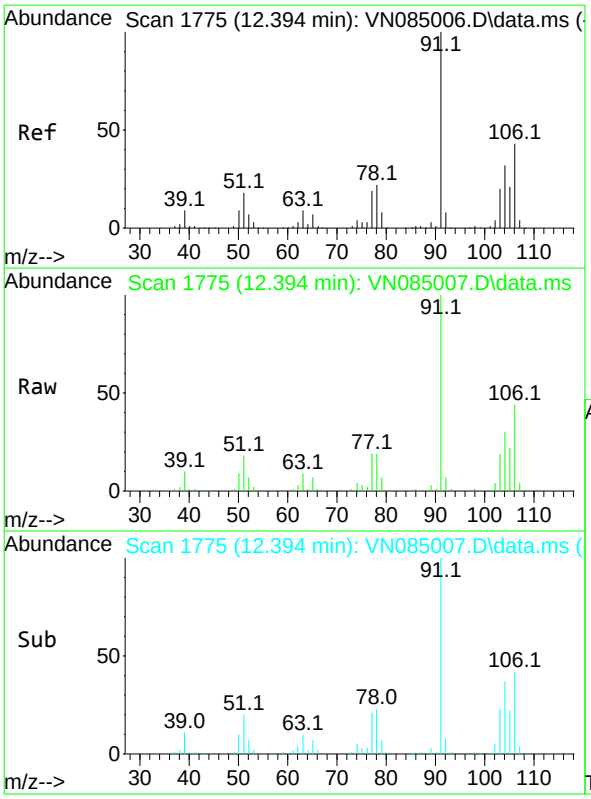


#68
m/p-Xylenes
Concen: 41.824 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:106 Resp: 141133

Ion	Ratio	Lower	Upper
106	100		
91	211.1	168.0	252.0

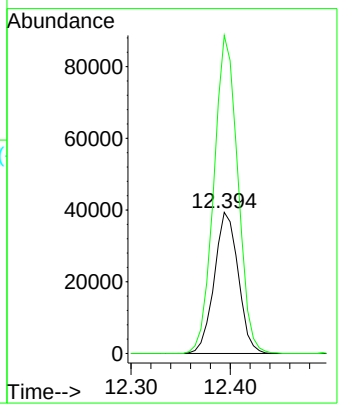




#69
o-Xylene
Concen: 20.565 ug/l
RT: 12.394 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:106 Resp: 66013

Ion	Ratio	Lower	Upper
106	100		
91	225.4	110.7	331.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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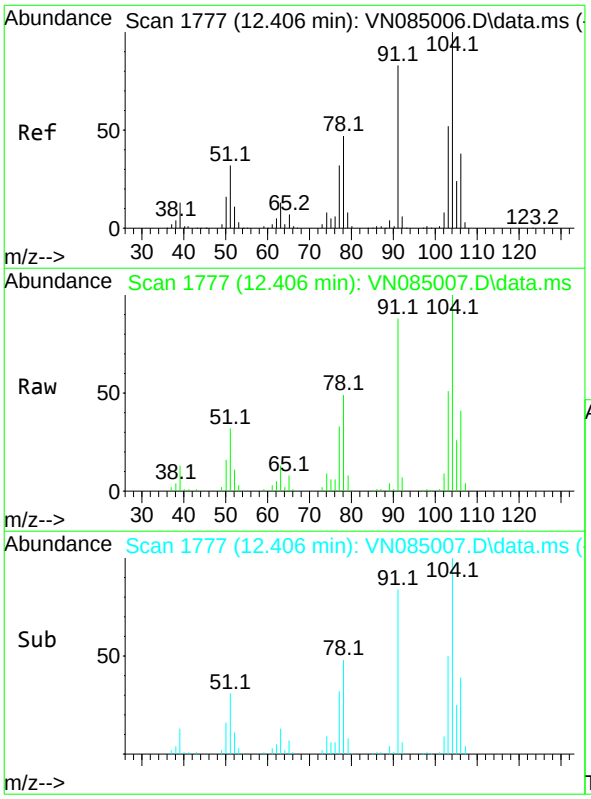
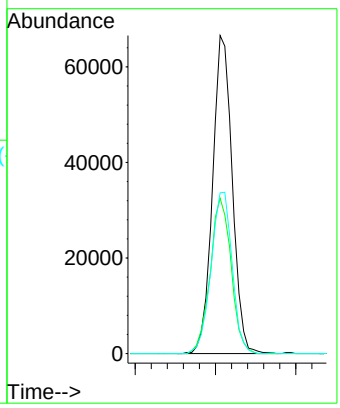
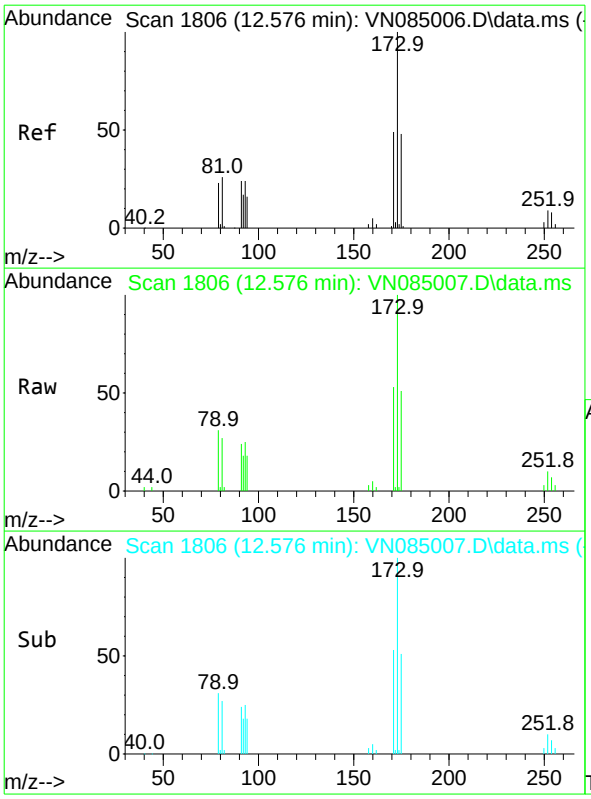


#70
Styrene
Concen: 21.263 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:104 Resp: 113503

Ion	Ratio	Lower	Upper
104	100		
78	51.9	42.3	63.5
103	54.2	44.2	66.2

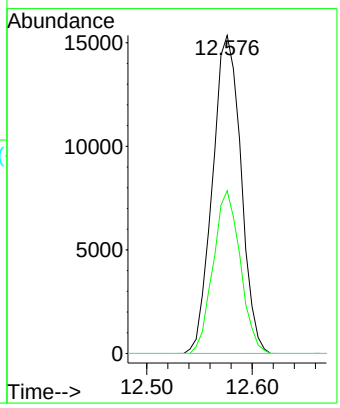




#71
Bromoform
Concen: 20.159 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:173 Resp: 28783

Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.8	71.2
254	0.0	0.0	0.0



Instrument :
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ClientSampleId :
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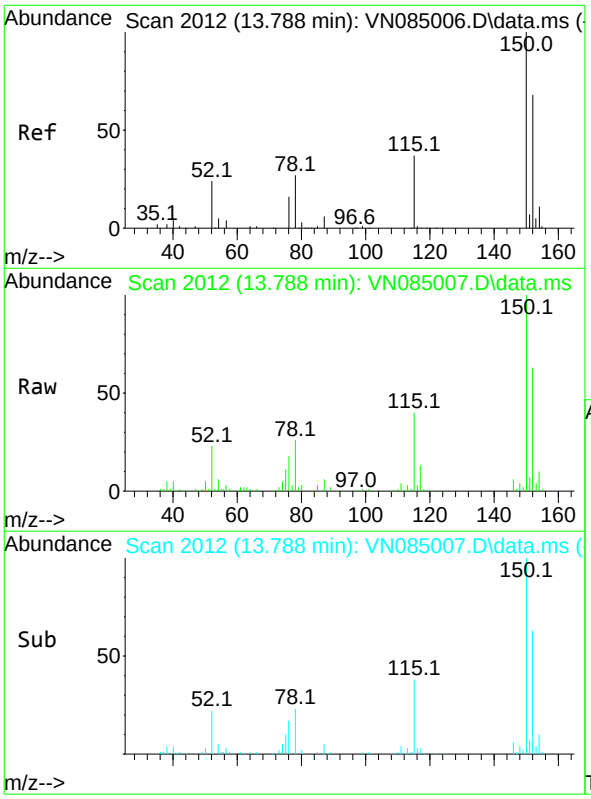
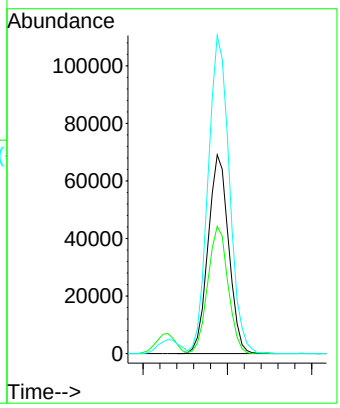
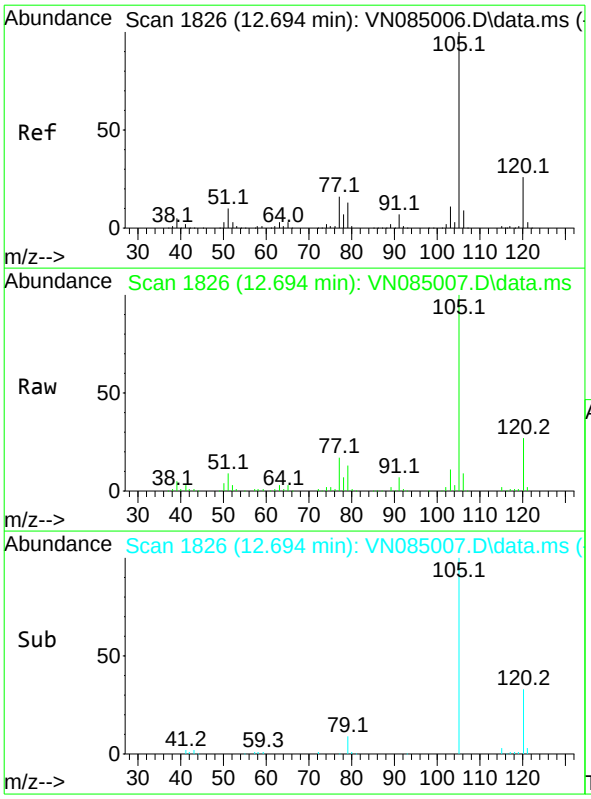


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:152 Resp: 116956

Ion	Ratio	Lower	Upper
152	100		
115	63.0	31.7	95.1
150	165.7	0.0	351.4

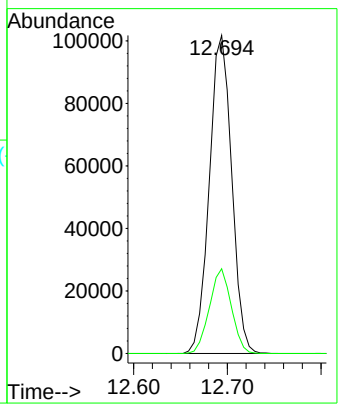




#73
Isopropylbenzene
Concen: 20.438 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:105 Resp: 168631

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.0	39.0



Instrument :
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ClientSampleId :
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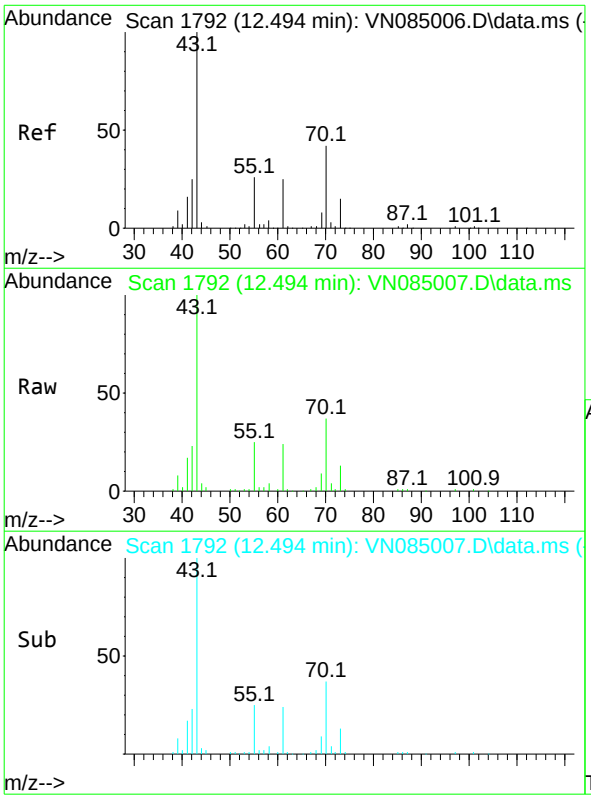
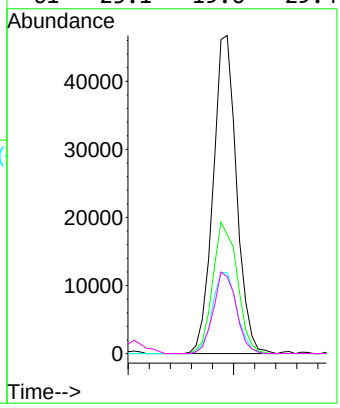
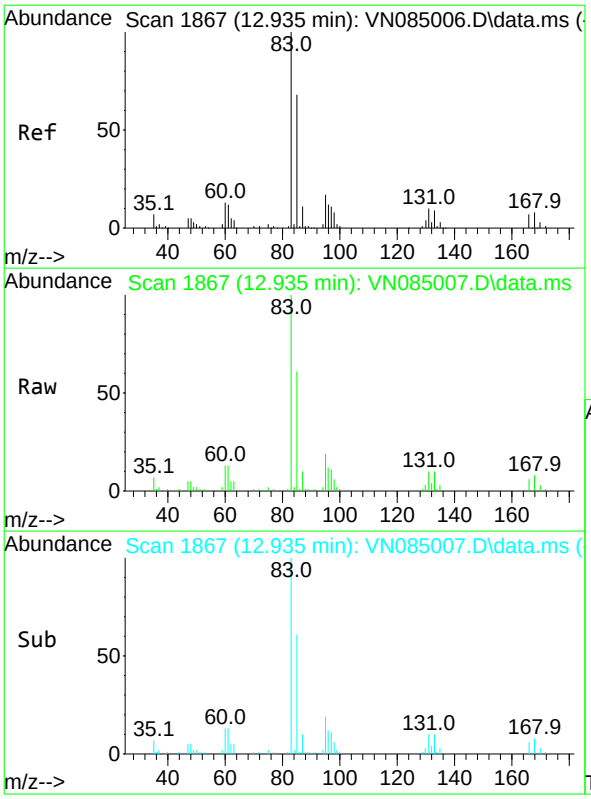


#74
N-amyl acetate
Concen: 21.238 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 43 Resp: 72208

Ion	Ratio	Lower	Upper
43	100		
70	43.1	34.6	51.8
55	26.6	20.5	30.7
61	25.1	19.6	29.4

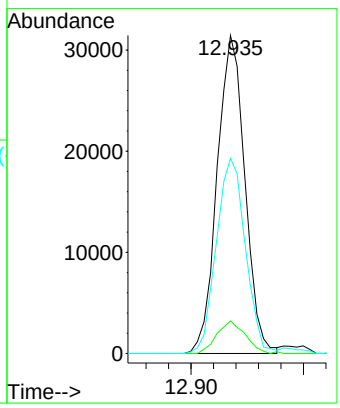




#75
1,1,2,2-Tetrachloroethane
Concen: 19.127 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 83 Resp: 53889

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.1	15.4
85	64.1	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
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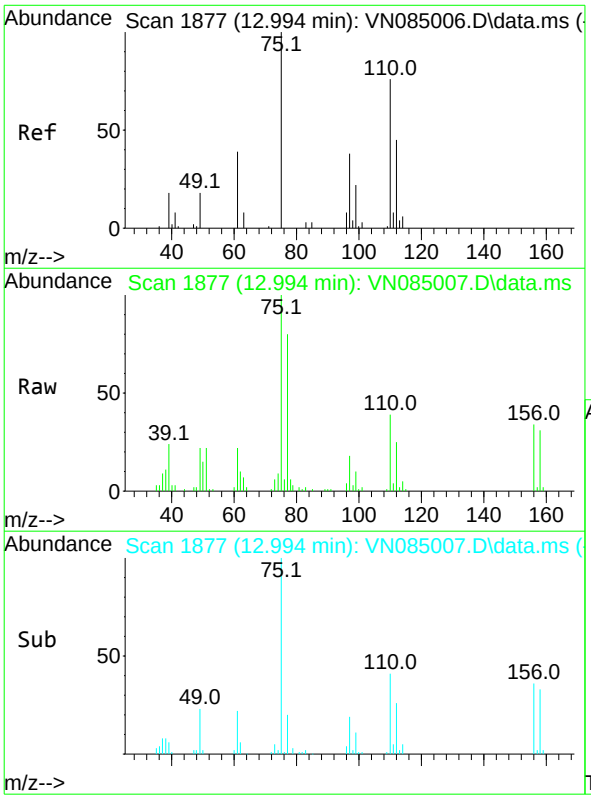
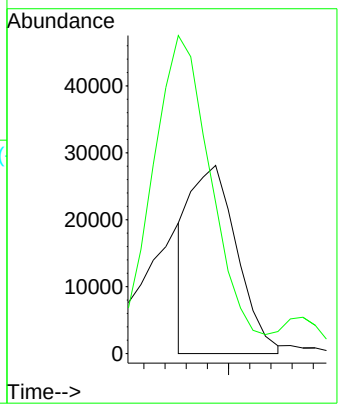
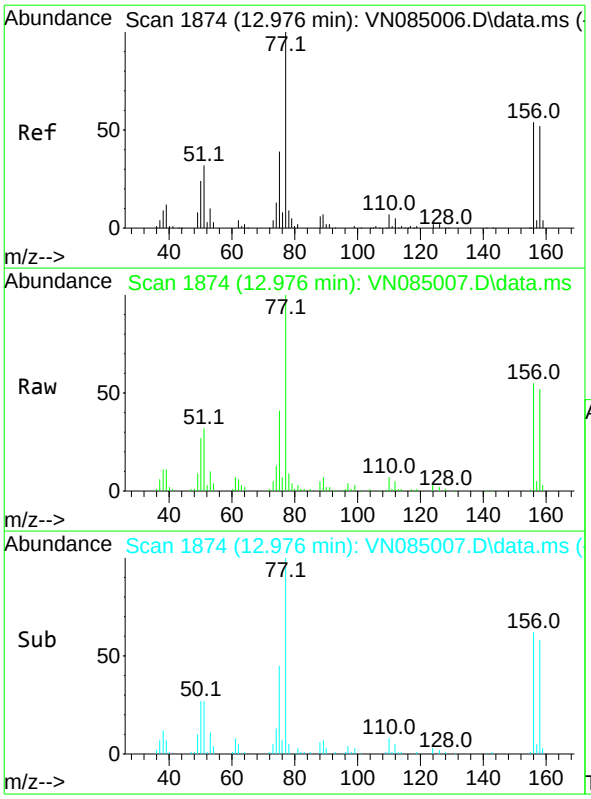


#76
1,2,3-Trichloropropane
Concen: 19.951 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 75 Resp: 43650

Ion	Ratio	Lower	Upper
75	100		
77	215.1	109.1	327.4

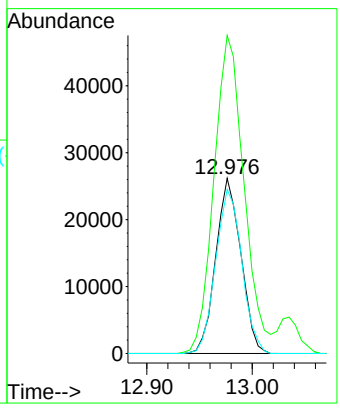




#77
Bromobenzene
Concen: 19.500 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:156 Resp: 43298

Ion	Ratio	Lower	Upper
156	100		
77	216.9	107.2	321.6
158	97.6	48.5	145.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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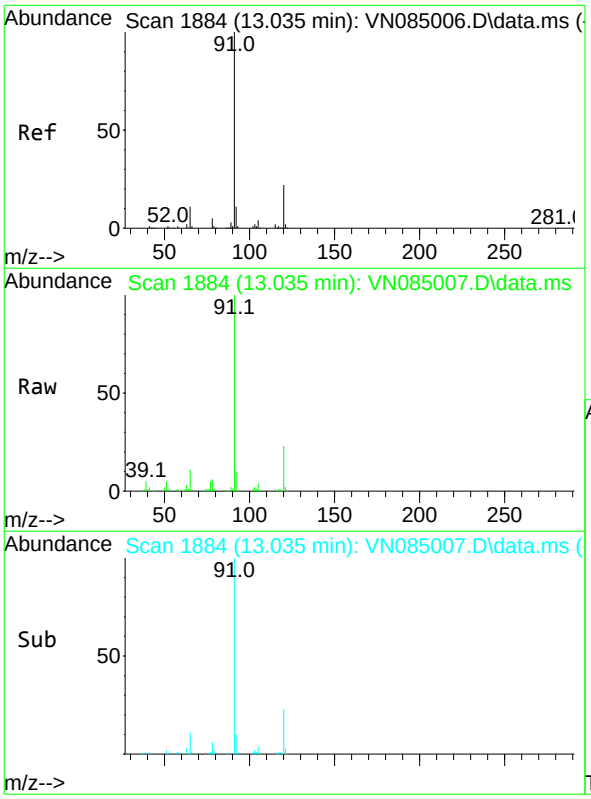
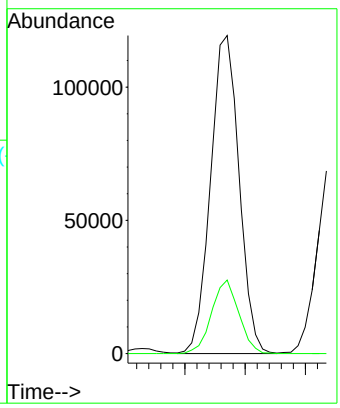
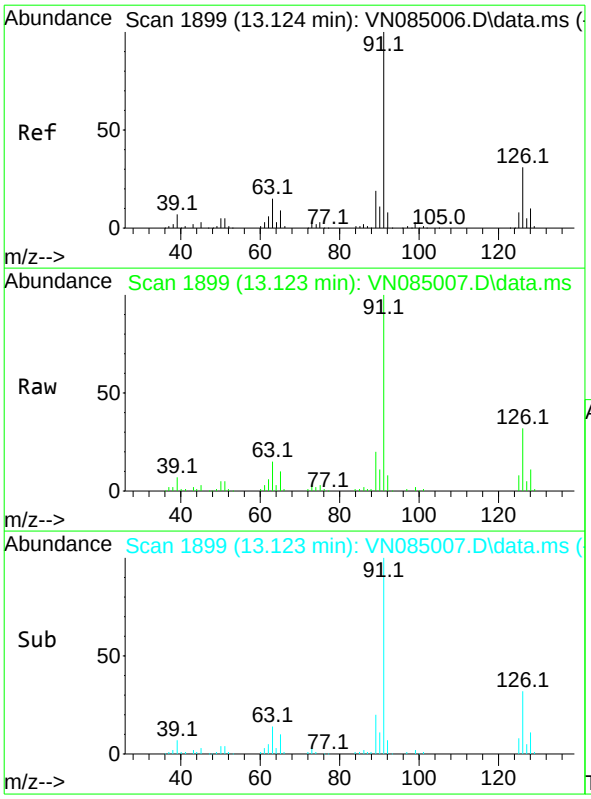


#78
n-propylbenzene
Concen: 20.653 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 91 Resp: 196551

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.3	33.9

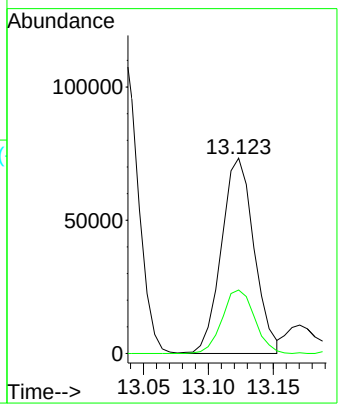




#79
2-Chlorotoluene
Concen: 20.261 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 91 Resp: 128714

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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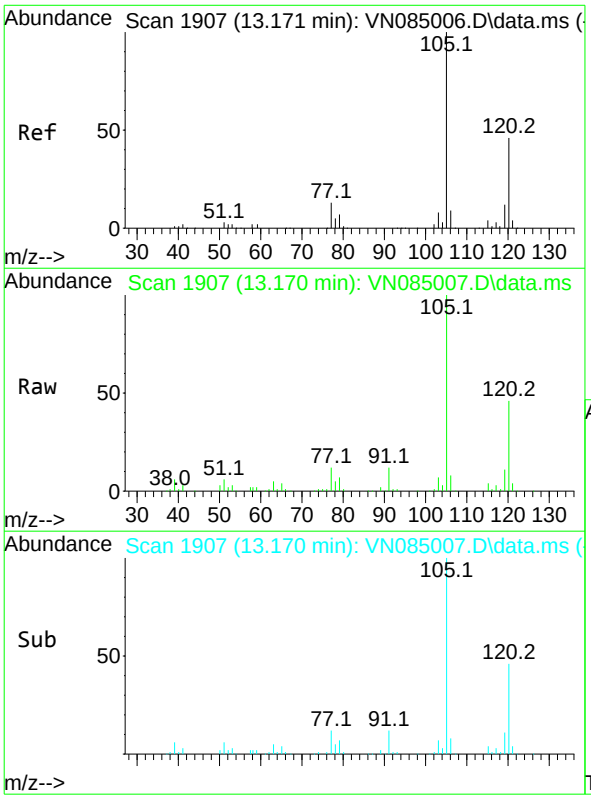
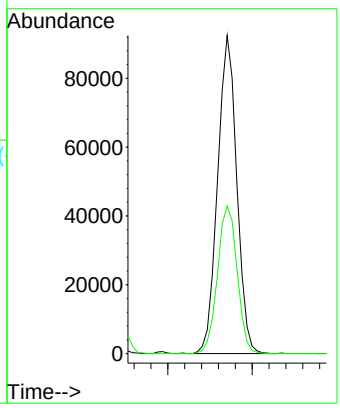
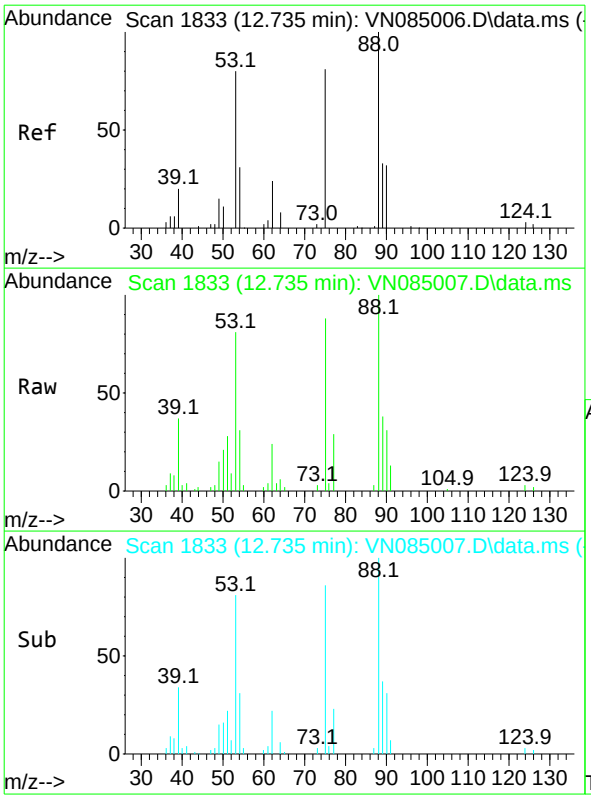


#80
1,3,5-Trimethylbenzene
Concen: 21.048 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:105 Resp: 145726

Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.6	71.0

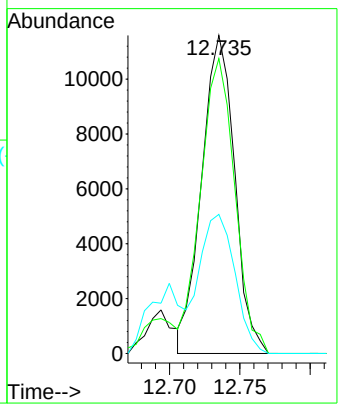




#81
trans-1,4-Dichloro-2-butene
Concen: 20.144 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 75 Resp: 18860

Ion	Ratio	Lower	Upper
75	100		
53	96.4	78.2	117.4
89	46.7	37.9	56.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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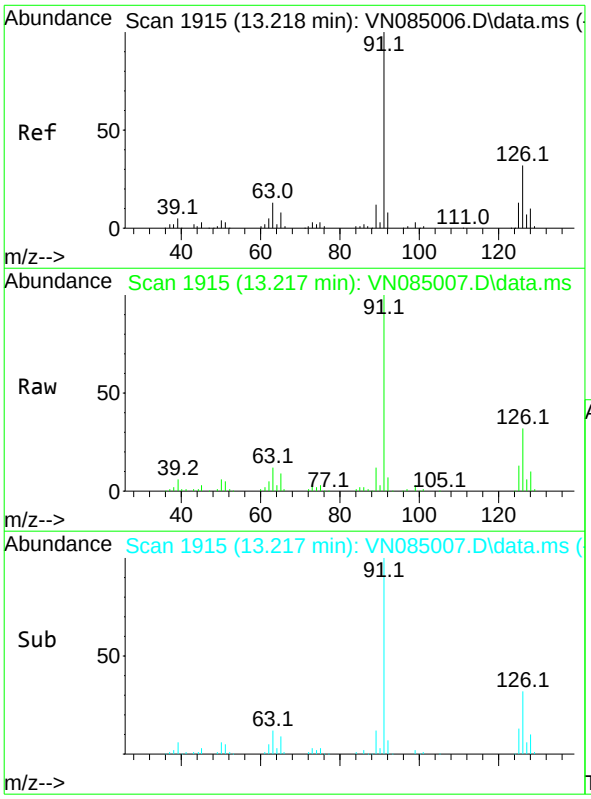
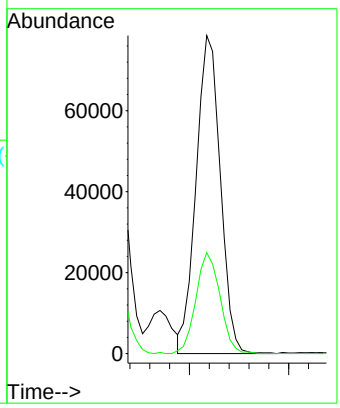
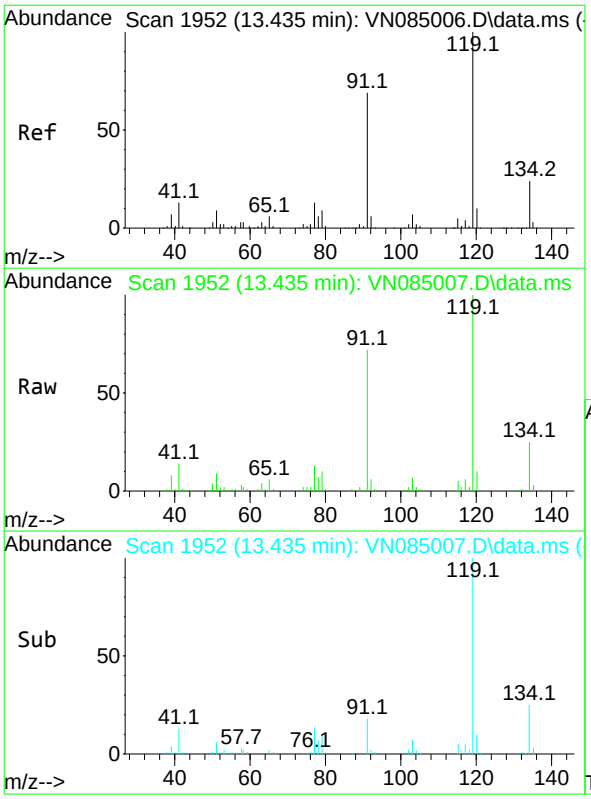


#82
4-Chlorotoluene
Concen: 20.131 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 91 Resp: 133131

Ion	Ratio	Lower	Upper
91	100		
126	31.6	16.1	48.3

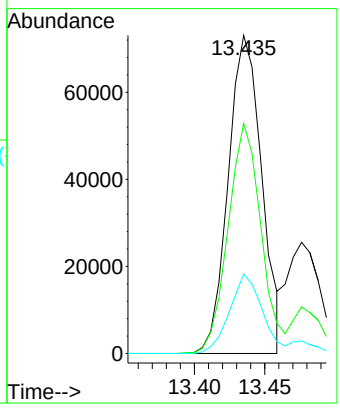




#83
tert-Butylbenzene
Concen: 20.344 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:119 Resp: 121188

Ion	Ratio	Lower	Upper
119	100		
91	71.2	35.1	105.5
134	24.3	12.1	36.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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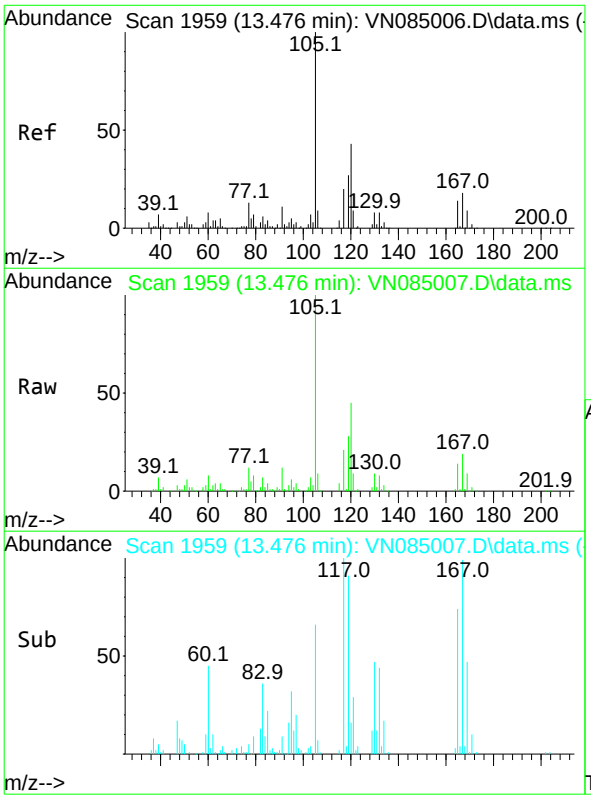
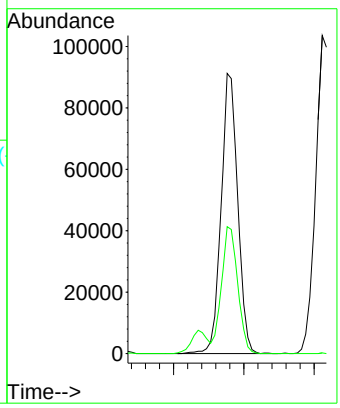
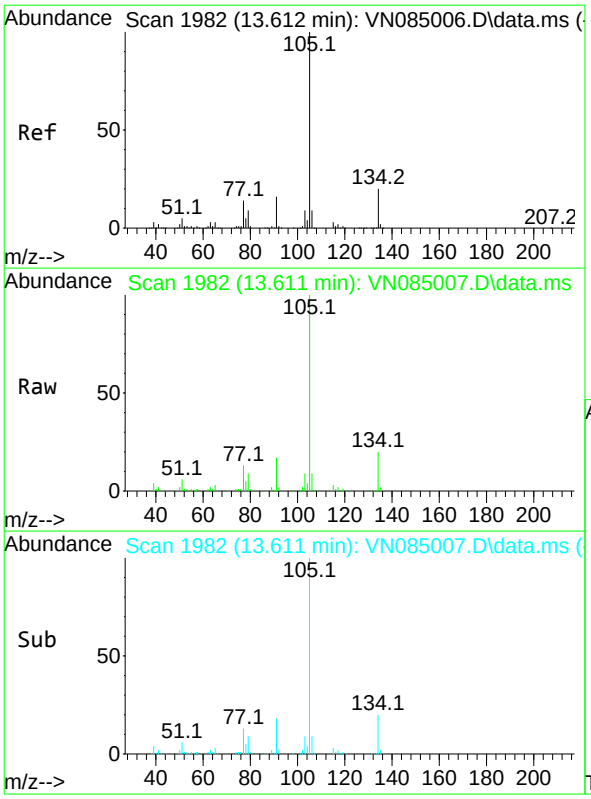


#84
1,2,4-Trimethylbenzene
Concen: 20.974 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:105 Resp: 149479

Ion	Ratio	Lower	Upper
105	100		
120	44.4	21.8	65.4

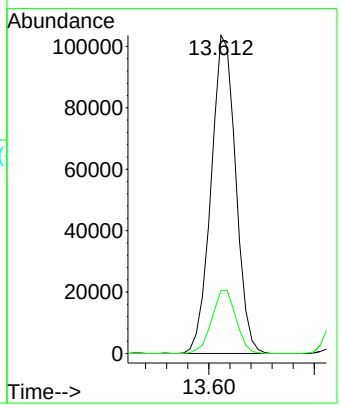




#85
sec-Butylbenzene
Concen: 20.885 ug/l
RT: 13.611 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:105 Resp: 168068

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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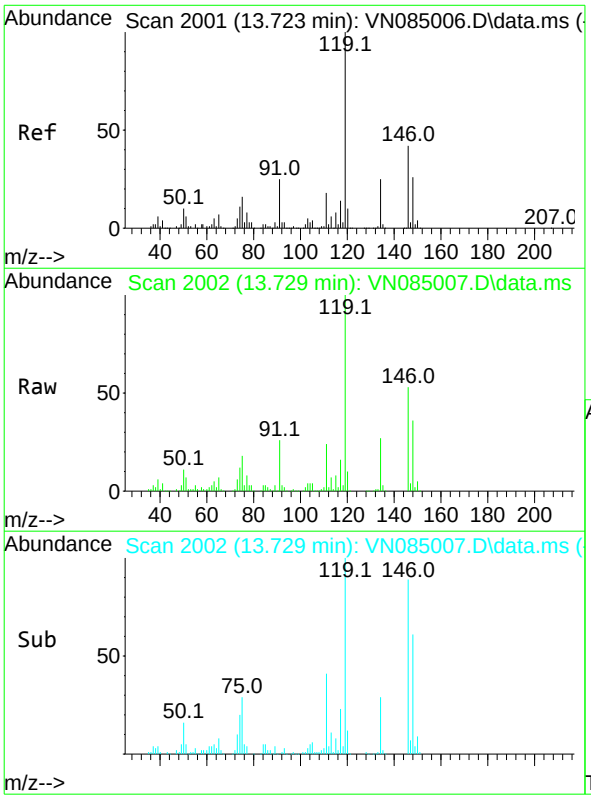
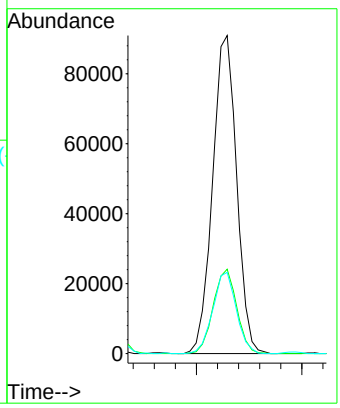
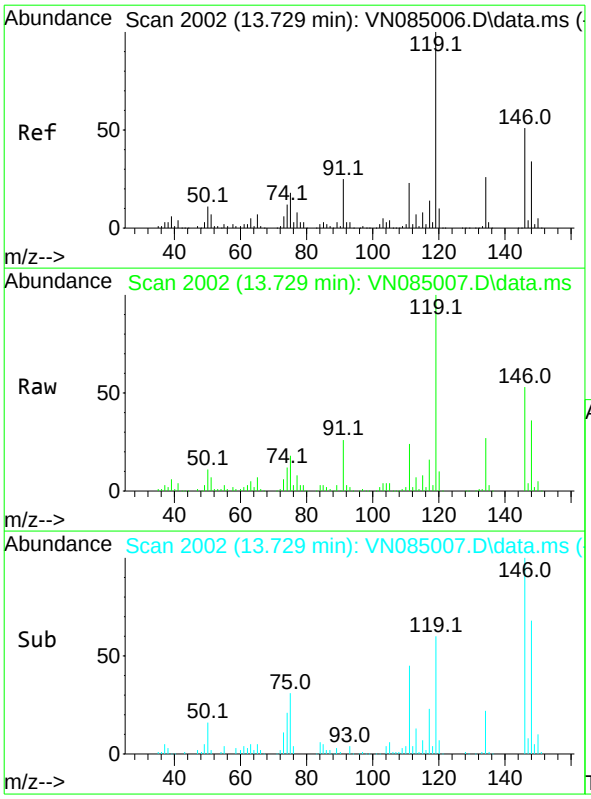


#86
p-Isopropyltoluene
Concen: 21.653 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:119 Resp: 143841

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	39.0
91	25.0	12.8	38.4

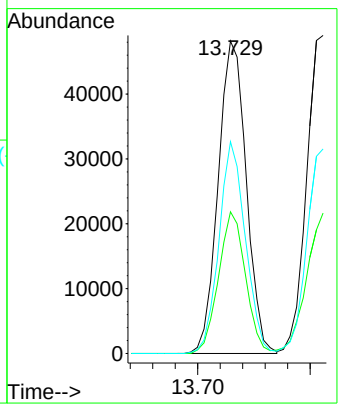




#87
1,3-Dichlorobenzene
Concen: 19.066 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:146 Resp: 83500

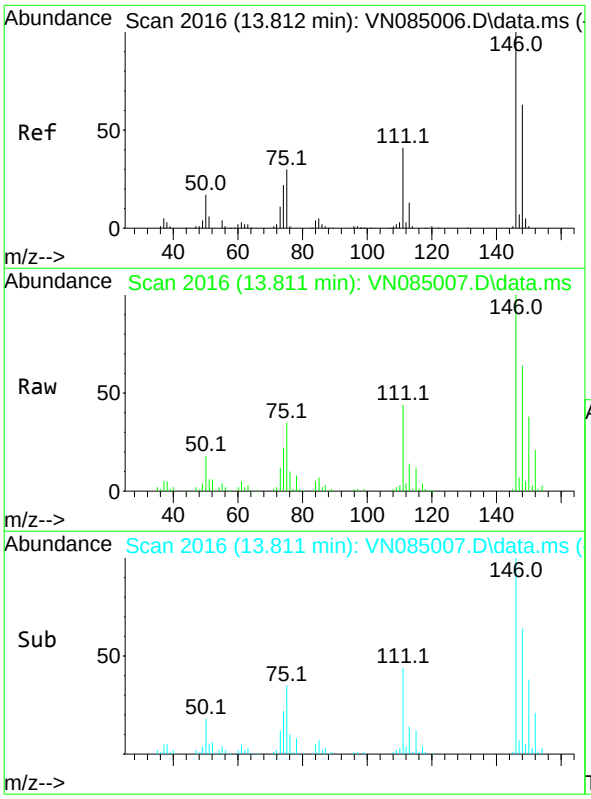
Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.6	65.0
148	63.9	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

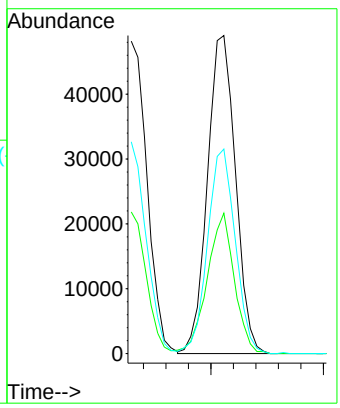
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

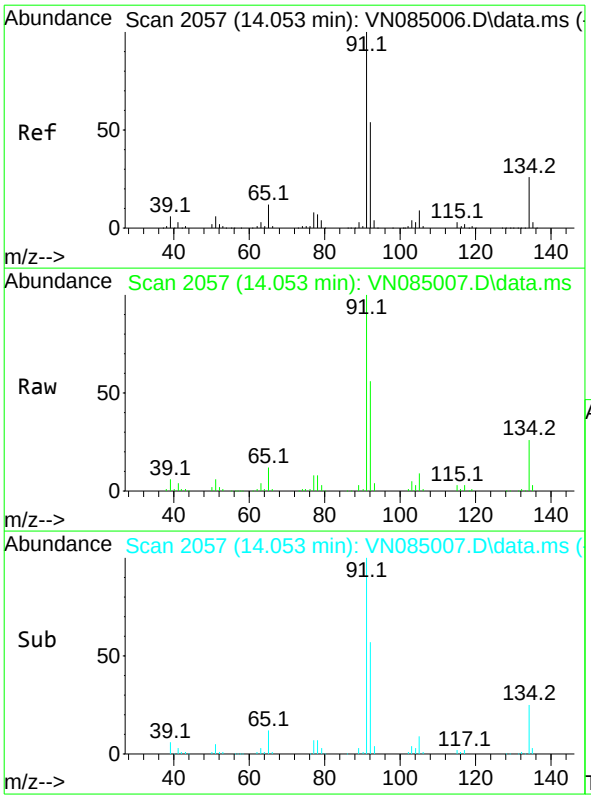


#88
1,4-Dichlorobenzene
Concen: 19.041 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:146 Resp: 85098

Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.9	62.8
148	63.5	31.3	93.9

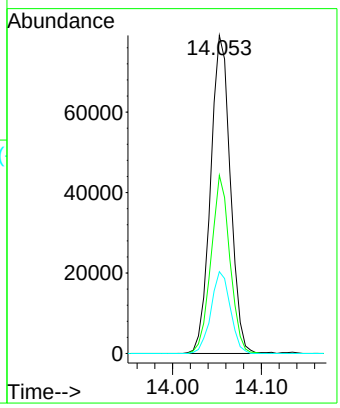




#89
n-Butylbenzene
Concen: 19.790 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 91 Resp: 122257

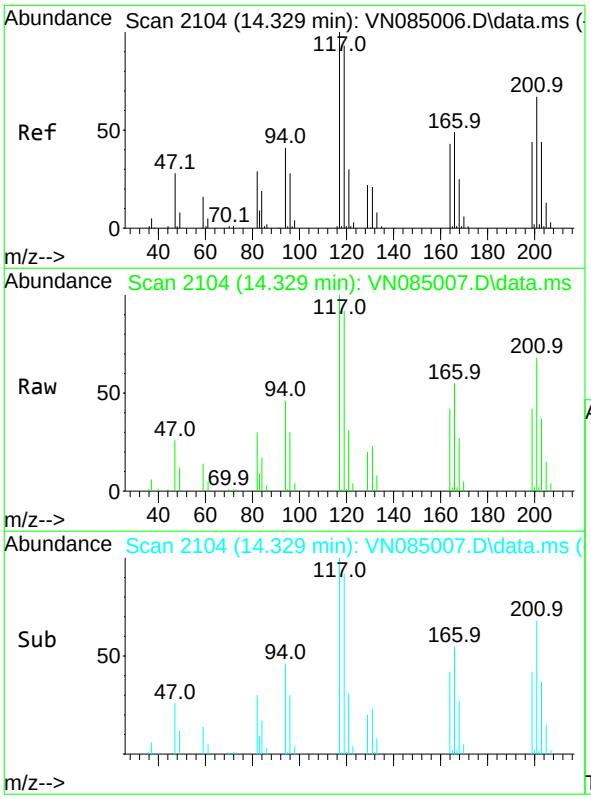
Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.8	80.3
134	25.1	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

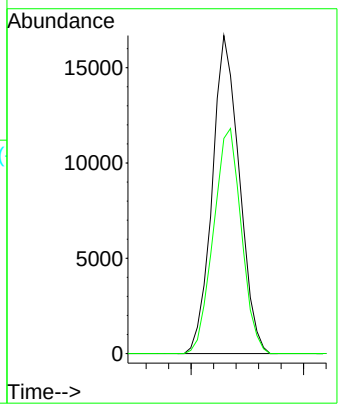
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

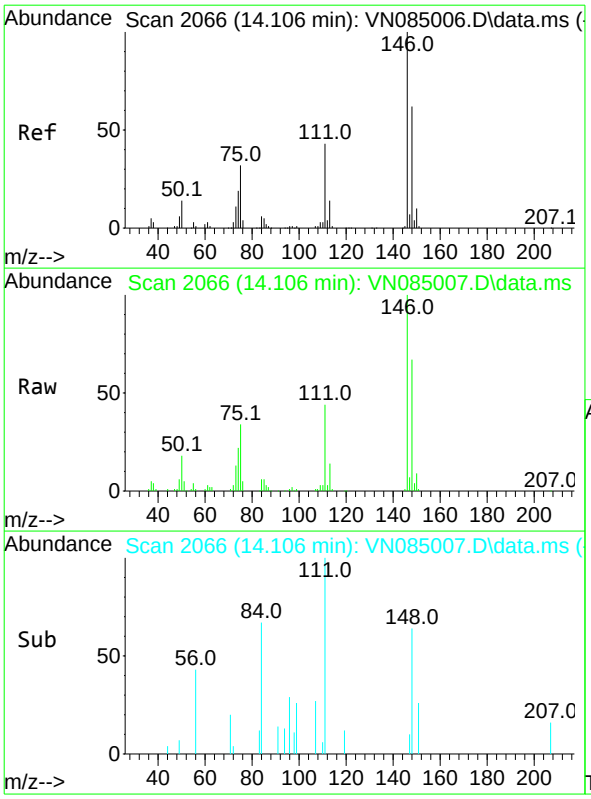


#90
Hexachloroethane
Concen: 19.267 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:117 Resp: 27899

Ion	Ratio	Lower	Upper
117	100		
201	72.9	35.2	105.6

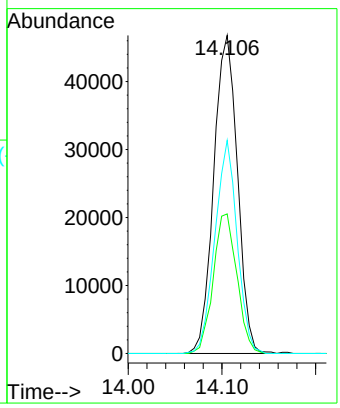




#91
1,2-Dichlorobenzene
Concen: 19.579 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:146 Resp: 82164

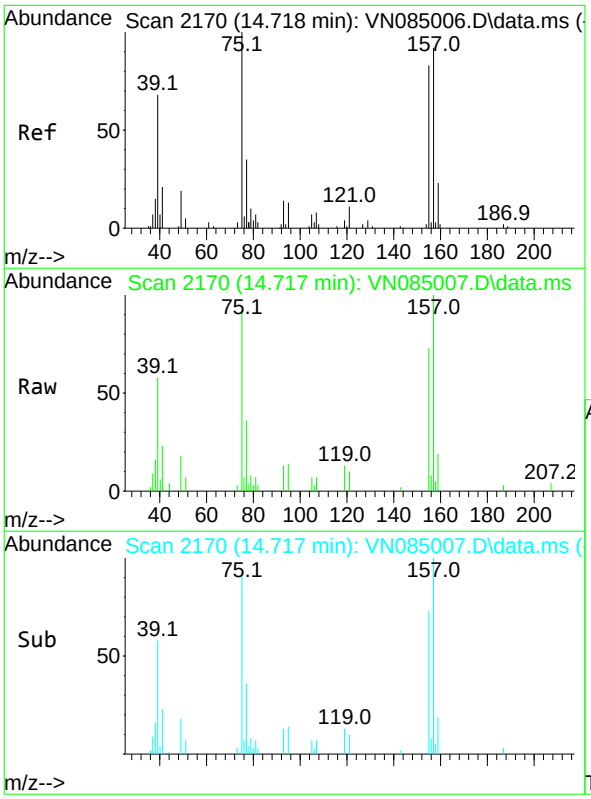
Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.9	65.8
148	62.9	31.1	93.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

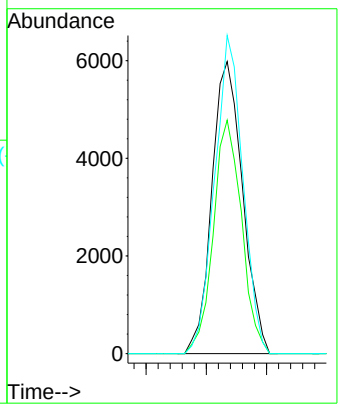
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

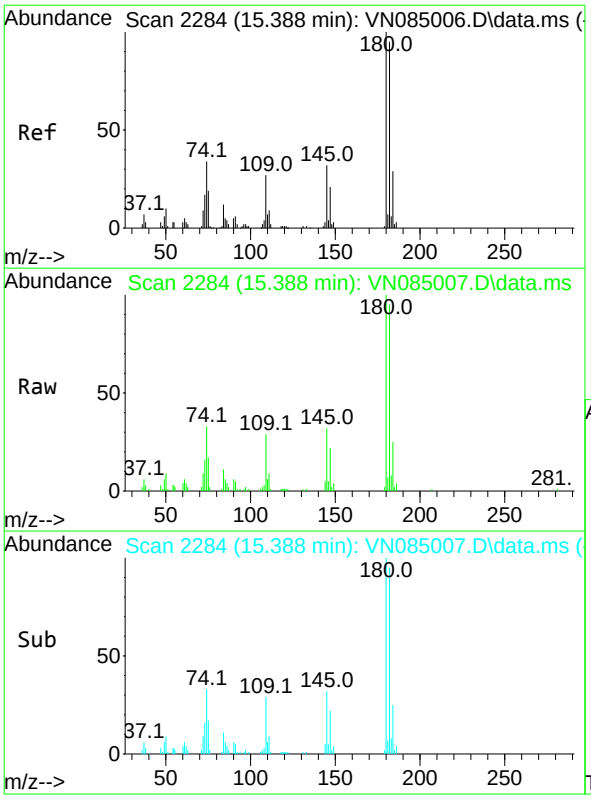


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.517 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 75 Resp: 10633

Ion	Ratio	Lower	Upper
75	100		
155	73.2	38.9	116.7
157	99.9	48.3	144.9





#93
1,2,4-Trichlorobenzene
Concen: 19.467 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

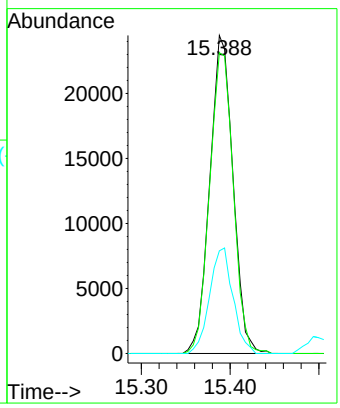
Tgt Ion:180 Resp: 44383

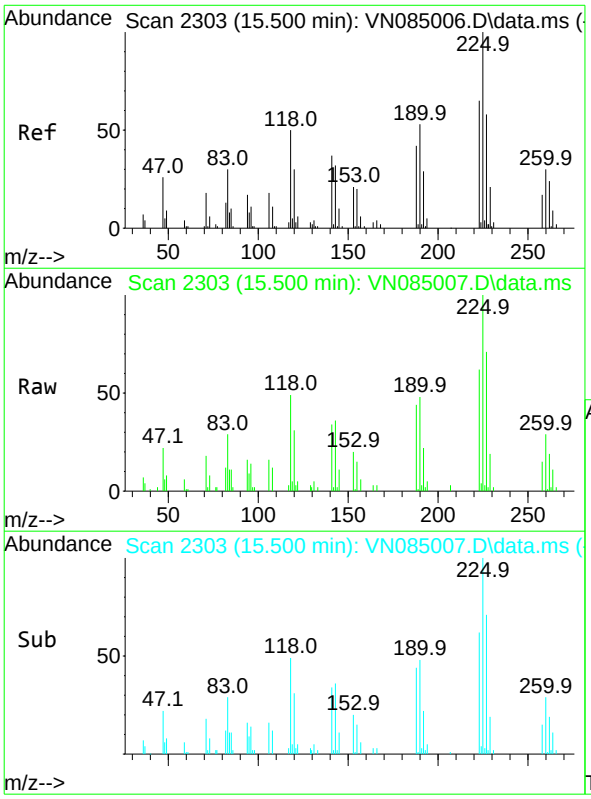
Ion	Ratio	Lower	Upper
180	100		
182	96.5	46.9	140.8
145	33.4	16.3	48.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

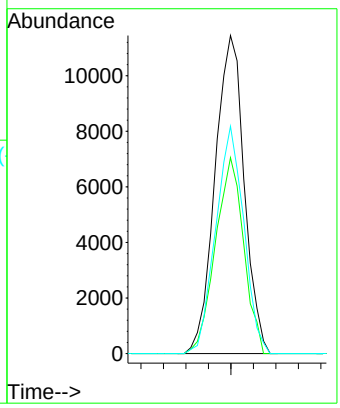


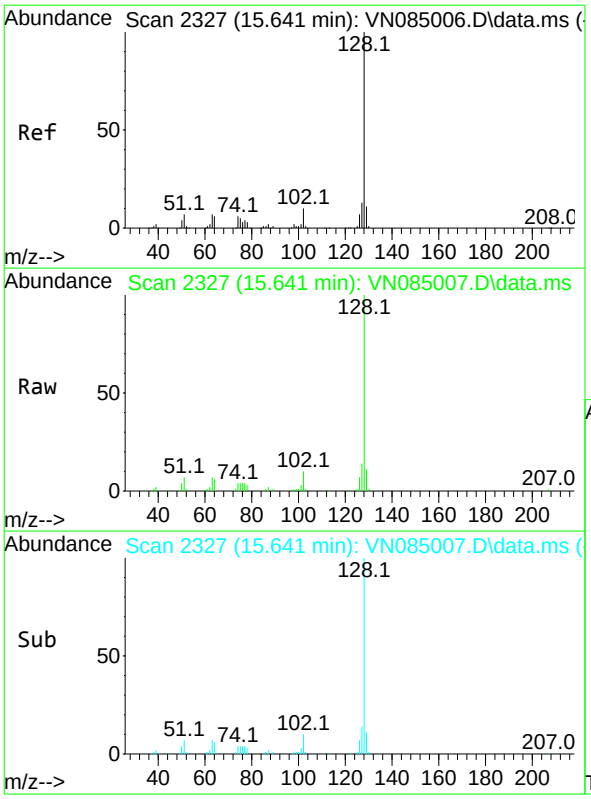


#94
Hexachlorobutadiene
Concen: 19.618 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:225 Resp: 20642

Ion	Ratio	Lower	Upper
225	100		
223	59.6	30.9	92.8
227	68.7	31.5	94.5

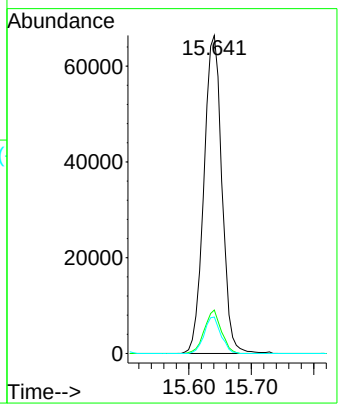




#95
Naphthalene
Concen: 20.454 ug/l
RT: 15.641 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:128 Resp: 132816

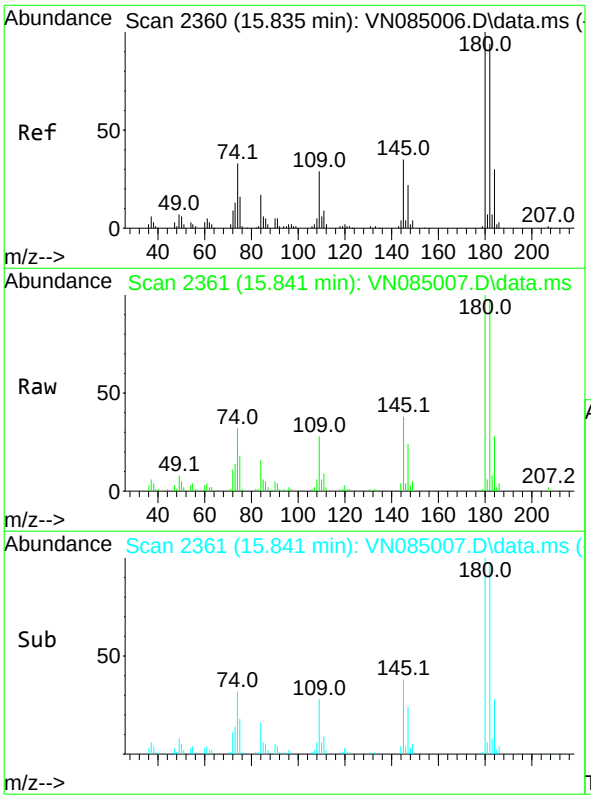
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.6	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

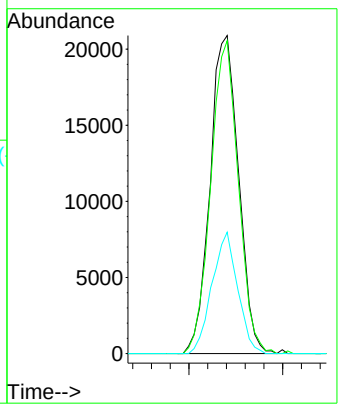
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#96
1,2,3-Trichlorobenzene
Concen: 20.293 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:180 Resp: 44145

Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.4	139.2
145	34.3	17.3	52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085008.D
Acq On : 22 Nov 2024 12:34
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 23 02:00:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.218	168	161407	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.094	114	278264	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	234609	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110358	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.571	65	23734	10.323	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 20.640%#				
35) Dibromofluoromethane	8.159	113	18392	9.801	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 19.600%#				
50) Toluene-d8	10.559	98	64656	9.614	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 19.220%#				
62) 4-Bromofluorobenzene	12.847	95	24371	9.691	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 19.380%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	17355	9.509	ug/l		98
3) Chloromethane	2.359	50	19463	9.194	ug/l		93
4) Vinyl Chloride	2.512	62	18378	9.661	ug/l		99
5) Bromomethane	2.901	94	10681	10.017	ug/l		99
6) Chloroethane	3.077	64	12602	9.828	ug/l	#	88
7) Trichlorofluoromethane	3.477	101	30566	9.445	ug/l		98
8) Diethyl Ether	3.953	74	10394	9.437	ug/l		89
9) 1,1,2-Trichlorotrifluo...	4.353	101	17791	9.693	ug/l		98
10) Methyl Iodide	4.583	142	22722	9.353	ug/l		95
11) Tert butyl alcohol	5.542	59	15491	50.421	ug/l	#	81
12) 1,1-Dichloroethene	4.324	96	16330	9.532	ug/l		93
13) Acrolein	4.183	56	10601	51.710	ug/l		99
14) Allyl chloride	5.006	41	28006	9.697	ug/l		97
15) Acrylonitrile	5.718	53	40469	46.525	ug/l		98
16) Acetone	4.430	43	32743	48.900	ug/l		99
17) Carbon Disulfide	4.700	76	47181	9.331	ug/l	#	93
18) Methyl Acetate	5.018	43	23065	9.856	ug/l		100
19) Methyl tert-butyl Ether	5.795	73	53672	9.589	ug/l		96
20) Methylene Chloride	5.271	84	19680	9.632	ug/l		93
21) trans-1,2-Dichloroethene	5.777	96	16759	9.296	ug/l		92
22) Diisopropyl ether	6.665	45	56475	9.716	ug/l		99
23) Vinyl Acetate	6.594	43	192330	47.962	ug/l		100
24) 1,1-Dichloroethane	6.559	63	33350	9.588	ug/l	#	92
25) 2-Butanone	7.477	43	51223	46.790	ug/l		95
26) 2,2-Dichloropropane	7.477	77	30494	9.388	ug/l		98
27) cis-1,2-Dichloroethene	7.477	96	20469	9.418	ug/l		99
28) Bromochloromethane	7.806	49	12594	9.591	ug/l		95
29) Tetrahydrofuran	7.841	42	32197	47.294	ug/l		99
30) Chloroform	7.959	83	34651	9.365	ug/l		98
31) Cyclohexane	8.253	56	29526	9.641	ug/l		95
32) 1,1,1-Trichloroethane	8.165	97	32054	9.587	ug/l		98
36) 1,1-Dichloropropene	8.371	75	23205	9.130	ug/l		99
37) Ethyl Acetate	7.559	43	22487	9.732	ug/l	#	97
38) Carbon Tetrachloride	8.353	117	26952	9.186	ug/l		97
39) Methylcyclohexane	9.594	83	23924	9.058	ug/l		96
40) Benzene	8.600	78	75597	9.404	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085008.D
Acq On : 22 Nov 2024 12:34
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 23 02:00:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	12417	9.705	ug/l		99
42) 1,2-Dichloroethane	8.659	62	25169	9.152	ug/l		100
43) Isopropyl Acetate	8.688	43	43717	9.108	ug/l		95
44) Trichloroethene	9.347	130	17835	9.547	ug/l		90
45) 1,2-Dichloropropane	9.618	63	18902	9.546	ug/l		98
46) Dibromomethane	9.706	93	12540	9.114	ug/l		96
47) Bromodichloromethane	9.888	83	27136	9.306	ug/l		95
48) Methyl methacrylate	9.677	41	16793	9.402	ug/l		95
49) 1,4-Dioxane	9.694	88	6366	205.527	ug/l	#	90
51) 4-Methyl-2-Pentanone	10.441	43	106422	48.544	ug/l		100
52) Toluene	10.630	92	44072	9.261	ug/l		95
53) t-1,3-Dichloropropene	10.835	75	27040	9.249	ug/l		98
54) cis-1,3-Dichloropropene	10.306	75	28183	9.087	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	17498	9.871	ug/l		98
56) Ethyl methacrylate	10.871	69	24309	9.385	ug/l		99
57) 1,3-Dichloropropane	11.159	76	29257	9.378	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.153	63	61252	48.207	ug/l		97
59) 2-Hexanone	11.194	43	77951	47.542	ug/l		98
60) Dibromochloromethane	11.353	129	19478	8.991	ug/l		97
61) 1,2-Dibromoethane	11.465	107	17673	9.633	ug/l		95
64) Tetrachloroethene	11.100	164	15092	9.547	ug/l		94
65) Chlorobenzene	11.888	112	51106	9.605	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	17966	9.590	ug/l		98
67) Ethyl Benzene	11.959	91	79668	9.229	ug/l		95
68) m/p-Xylenes	12.071	106	62195	18.925	ug/l		98
69) o-Xylene	12.394	106	30067	9.618	ug/l		95
70) Styrene	12.412	104	50150	9.647	ug/l		99
71) Bromoform	12.576	173	12832	9.228	ug/l	#	96
73) Isopropylbenzene	12.694	105	75080	9.644	ug/l		98
74) N-amyl acetate	12.488	43	29811	9.292	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.935	83	25341	9.532	ug/l		98
76) 1,2,3-Trichloropropane	12.988	75	16940m	8.206	ug/l		
77) Bromobenzene	12.976	156	19904	9.500	ug/l		99
78) n-propylbenzene	13.035	91	85642	9.537	ug/l		98
79) 2-Chlorotoluene	13.123	91	58233	9.715	ug/l		98
80) 1,3,5-Trimethylbenzene	13.171	105	63212	9.676	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	8603	9.738	ug/l		99
82) 4-Chlorotoluene	13.218	91	60156	9.640	ug/l		100
83) tert-Butylbenzene	13.435	119	53773	9.566	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	64606	9.607	ug/l		99
85) sec-Butylbenzene	13.618	105	72405	9.535	ug/l		99
86) p-Isopropyltoluene	13.729	119	60467	9.647	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	38501	9.317	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	39471	9.360	ug/l		99
89) n-Butylbenzene	14.059	91	52430	8.994	ug/l		100
90) Hexachloroethane	14.335	117	12541	9.179	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	37183	9.390	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	4917	9.565	ug/l		99
93) 1,2,4-Trichlorobenzene	15.394	180	20285	9.429	ug/l		97
94) Hexachlorobutadiene	15.500	225	9015	9.080	ug/l		98
95) Naphthalene	15.641	128	54191	8.844	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	18745	9.132	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085008.D
Acq On : 22 Nov 2024 12:34
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 02:00:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

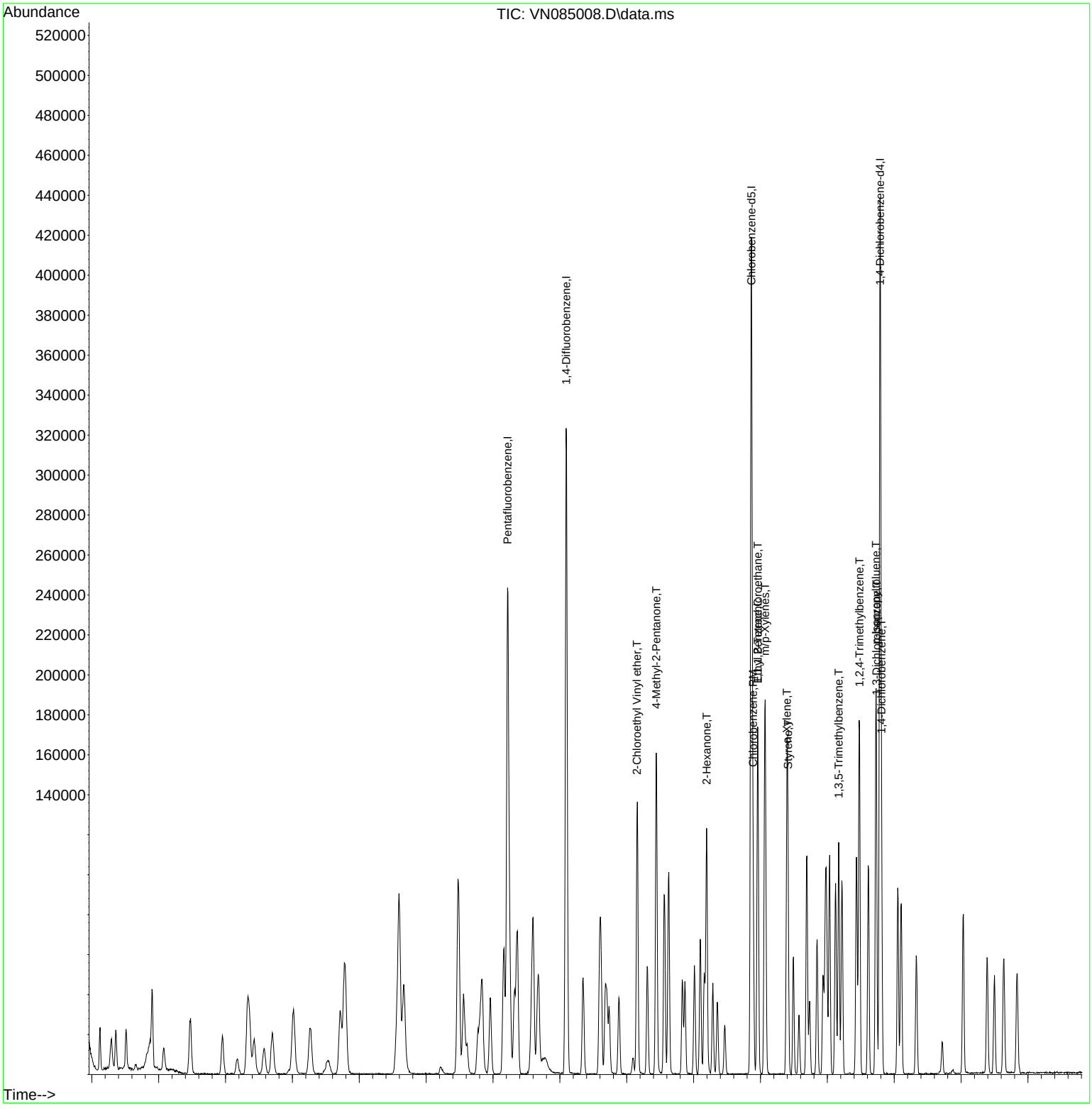
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085008.D
Acq On : 22 Nov 2024 12:34
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

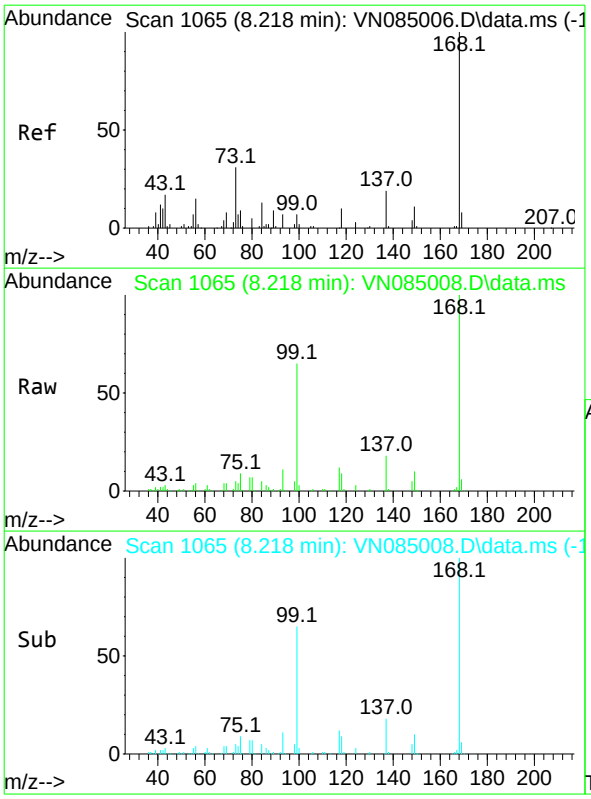
Quant Time: Nov 23 02:00:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

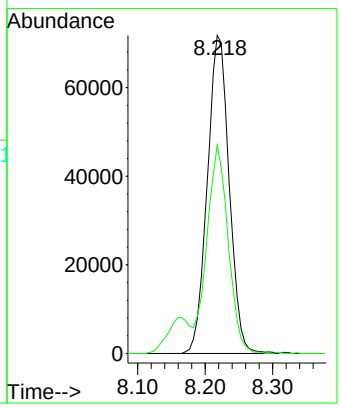




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:168 Resp: 161407

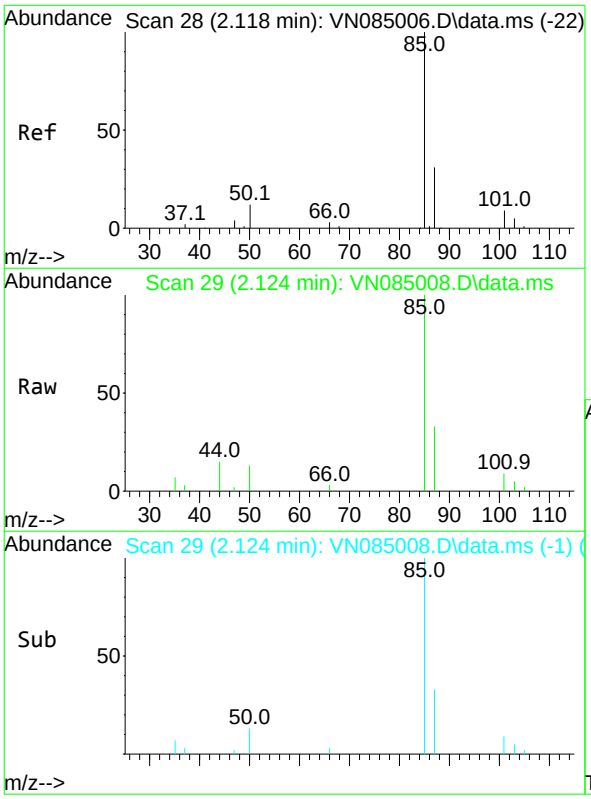
Ion	Ratio	Lower	Upper
168	100		
99	65.2	51.2	76.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

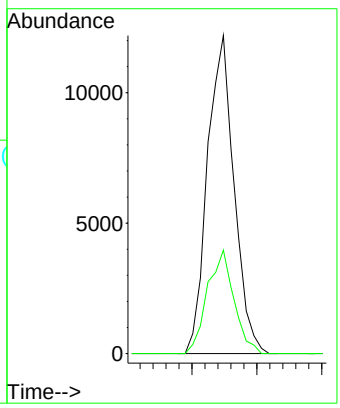
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

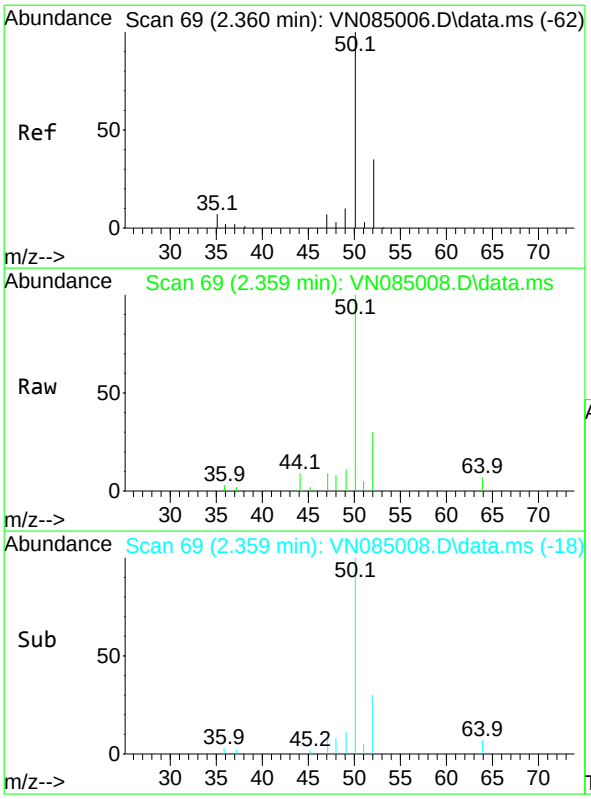


#2
Dichlorodifluoromethane
Concen: 9.509 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 85 Resp: 17355

Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.7	47.1

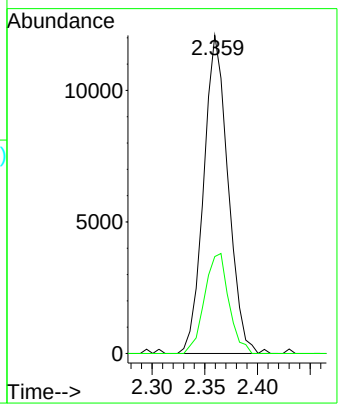




#3
Chloromethane
Concen: 9.194 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 50 Resp: 19463

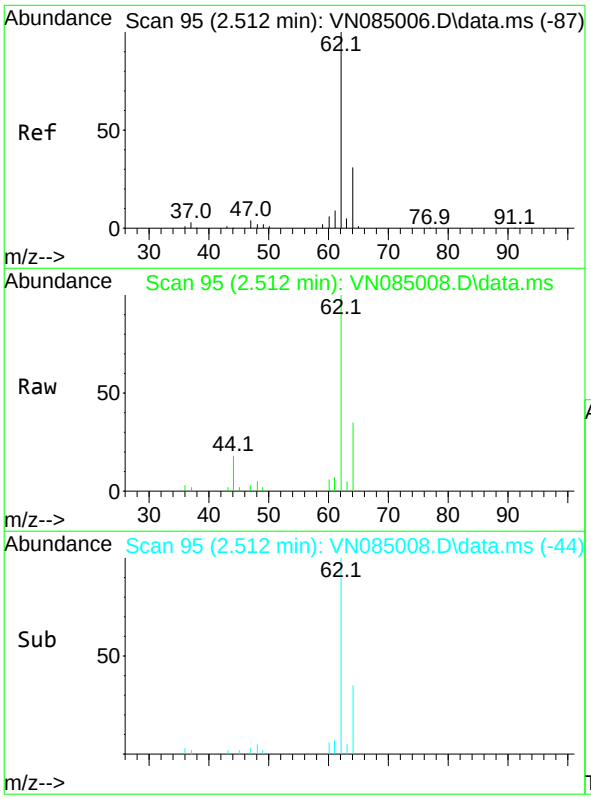
Ion	Ratio	Lower	Upper
50	100		
52	30.5	27.8	41.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

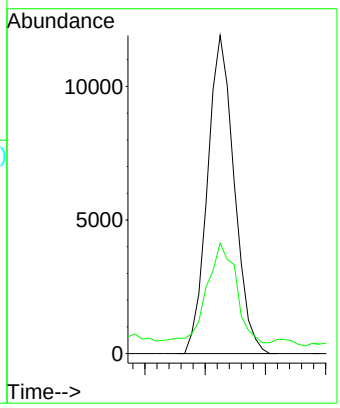
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

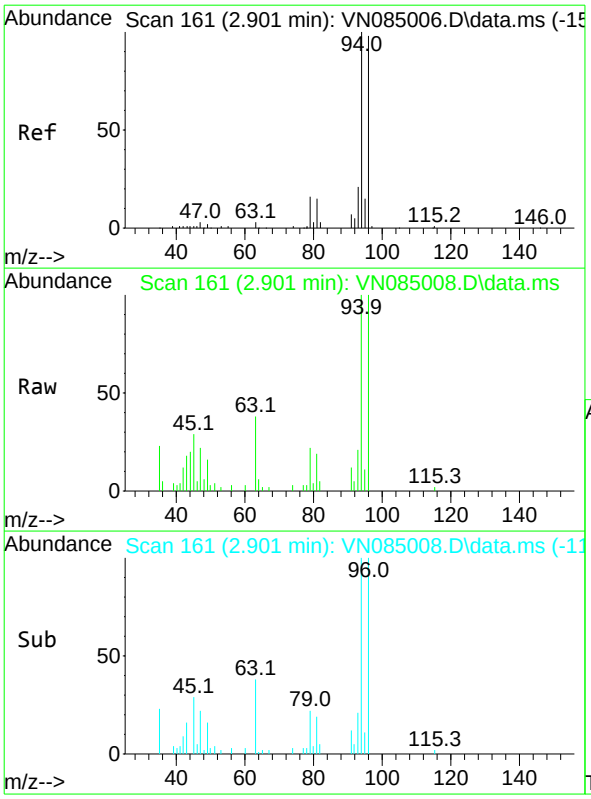


#4
Vinyl Chloride
Concen: 9.661 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 62 Resp: 18378

Ion	Ratio	Lower	Upper
62	100		
64	30.3	24.6	36.8

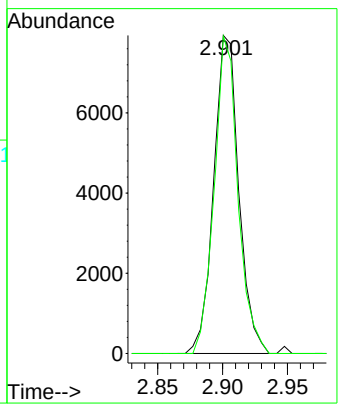




#5
Bromomethane
Concen: 10.017 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 94 Resp: 10681

Ion	Ratio	Lower	Upper
94	100		
96	99.7	78.7	118.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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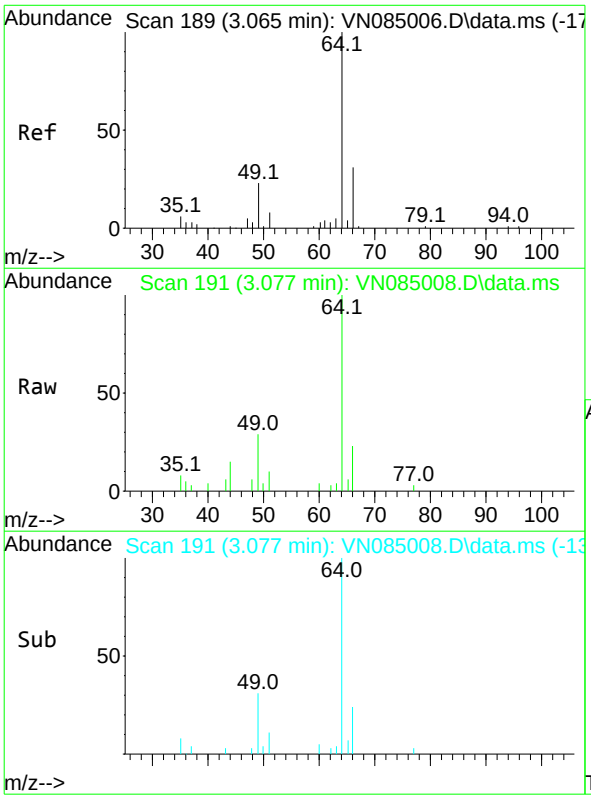
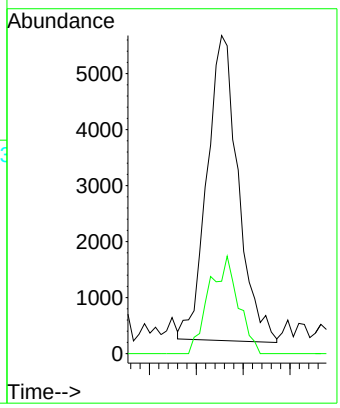
Supervised By :Mahesh Dadoda 11/25/2024

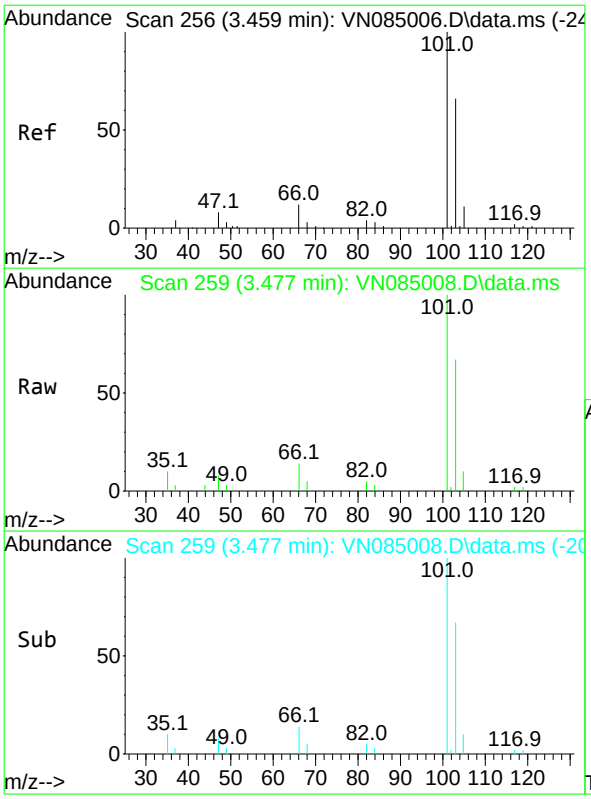


#6
Chloroethane
Concen: 9.828 ug/l
RT: 3.077 min Scan# 191
Delta R.T. 0.012 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 64 Resp: 12602

Ion	Ratio	Lower	Upper
64	100		
66	23.8	24.4	36.6#

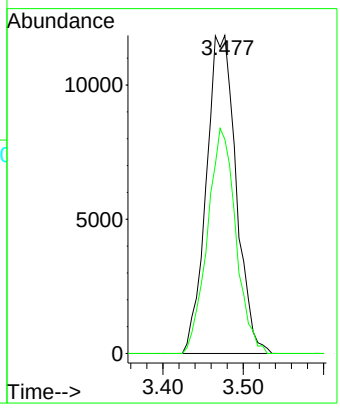




#7
Trichlorofluoromethane
Concen: 9.445 ug/l
RT: 3.477 min Scan# 25
Delta R.T. 0.018 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:101 Resp: 30566

Ion	Ratio	Lower	Upper
101	100		
103	67.4	52.6	78.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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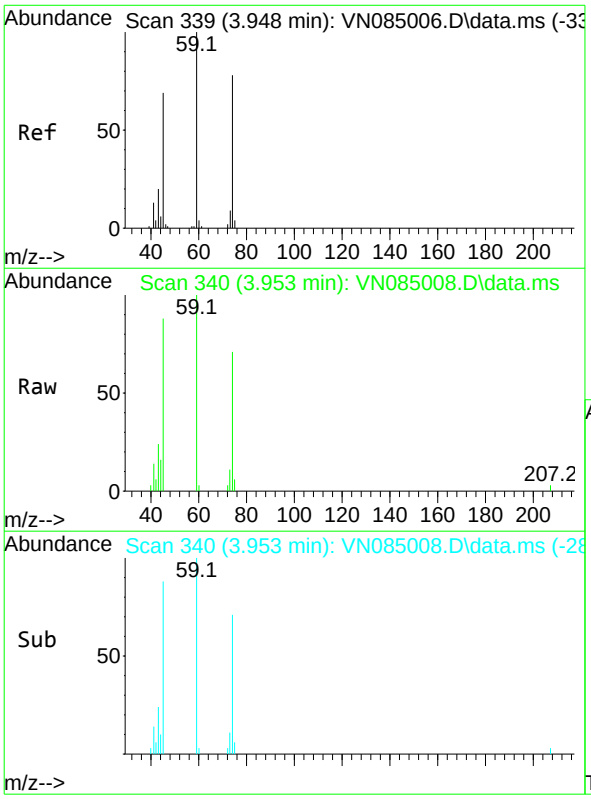
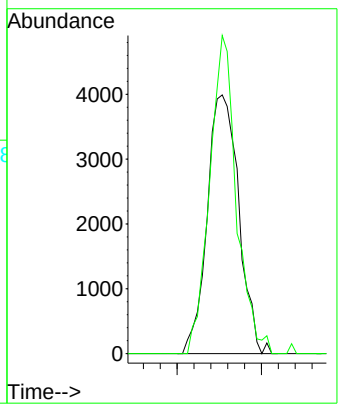
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

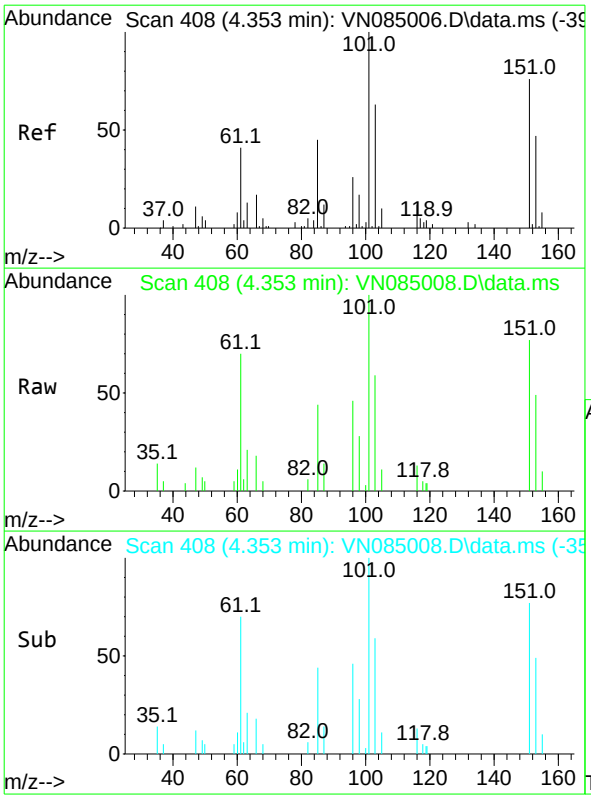


#8
Diethyl Ether
Concen: 9.437 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 74 Resp: 10394

Ion	Ratio	Lower	Upper
74	100		
45	104.3	46.7	140.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.693 ug/l
RT: 4.353 min Scan# 40
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:101 Resp: 17791

Ion	Ratio	Lower	Upper
101	100		
85	42.9	36.9	55.3
151	75.7	60.8	91.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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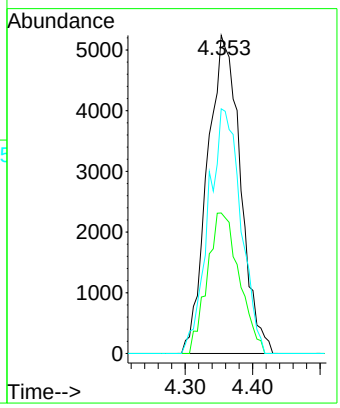
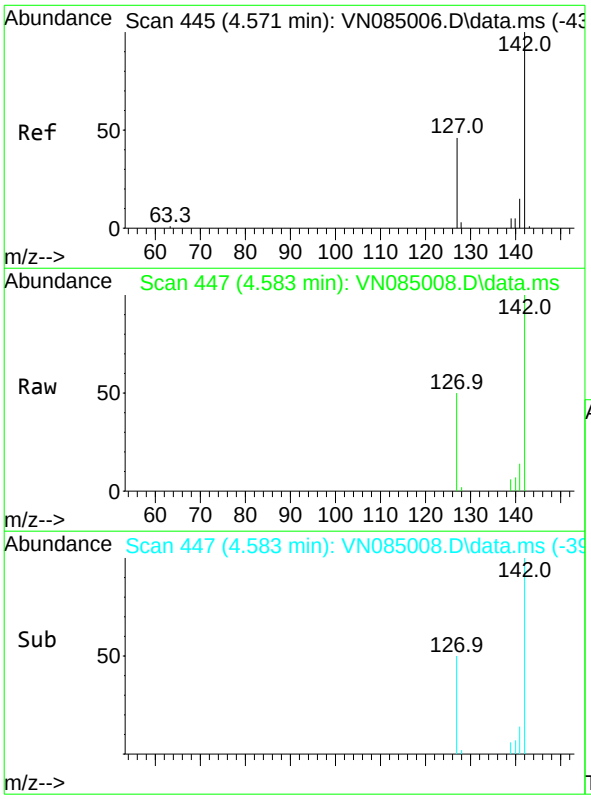
Supervised By :Mahesh Dadoda 11/25/2024

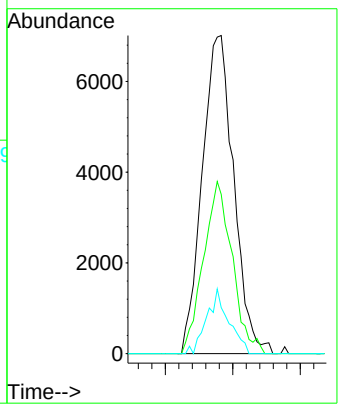


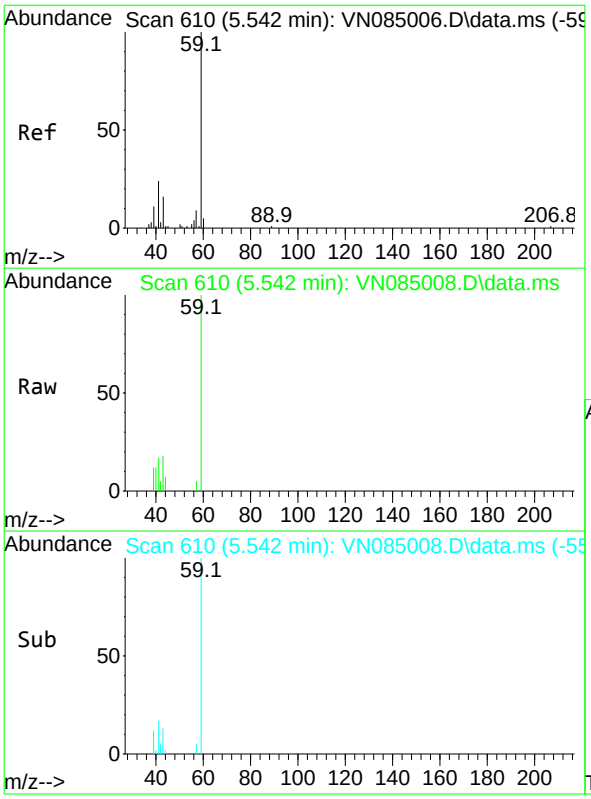


#10
Methyl Iodide
Concen: 9.353 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.012 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:142 Resp: 22722

Ion	Ratio	Lower	Upper
142	100		
127	50.1	36.6	54.8
141	14.5	12.2	18.4





#11
Tert butyl alcohol
Concen: 50.421 ug/l
RT: 5.542 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 59 Resp: 15491

Ion	Ratio	Lower	Upper
59	100		
57	2.2	7.4	11.0#

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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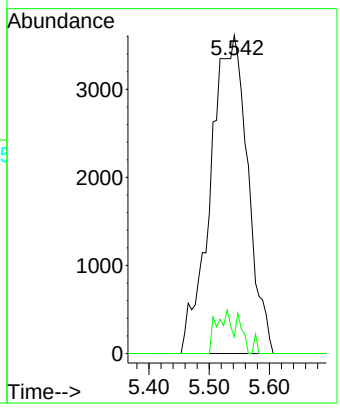
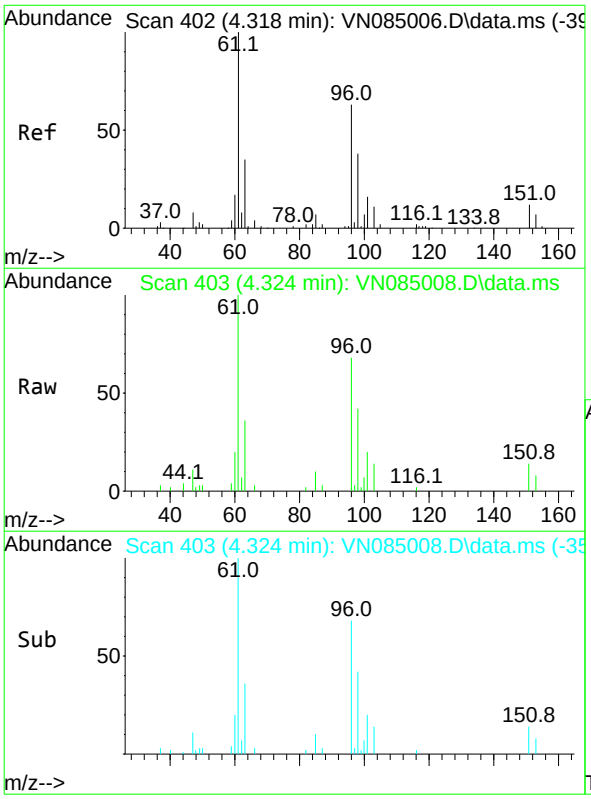
Supervised By :Mahesh Dadoda 11/25/2024

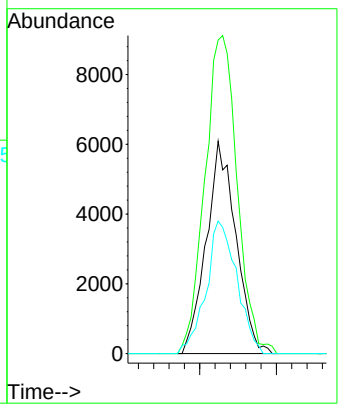


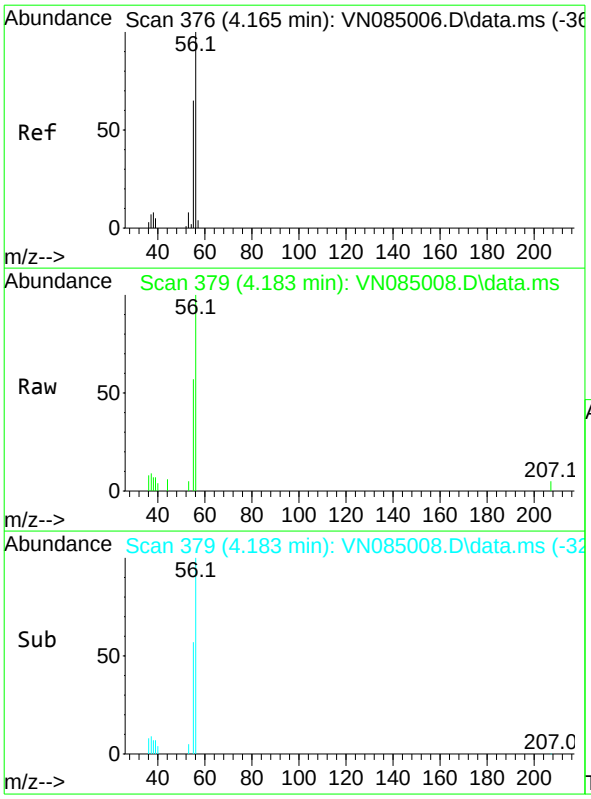


#12
1,1-Dichloroethene
Concen: 9.532 ug/l
RT: 4.324 min Scan# 403
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 96 Resp: 16330

Ion	Ratio	Lower	Upper
96	100		
61	147.7	127.8	191.8
98	62.4	49.2	73.8

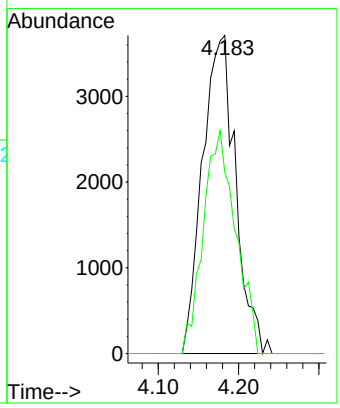




#13
Acrolein
Concen: 51.710 ug/l
RT: 4.183 min Scan# 37
Delta R.T. 0.018 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 56 Resp: 10601

Ion	Ratio	Lower	Upper
56	100		
55	68.7	54.5	81.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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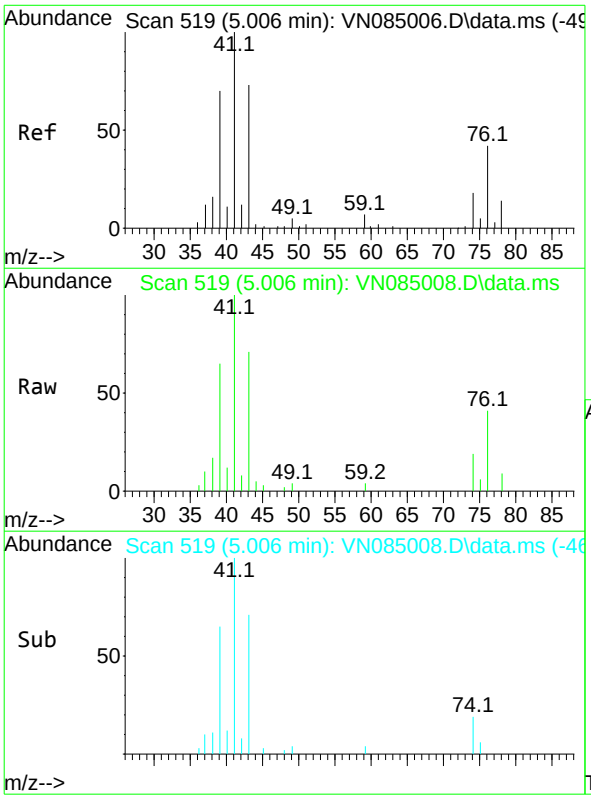
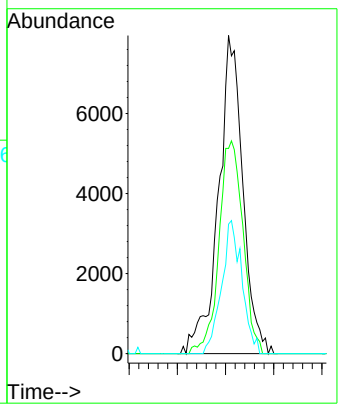
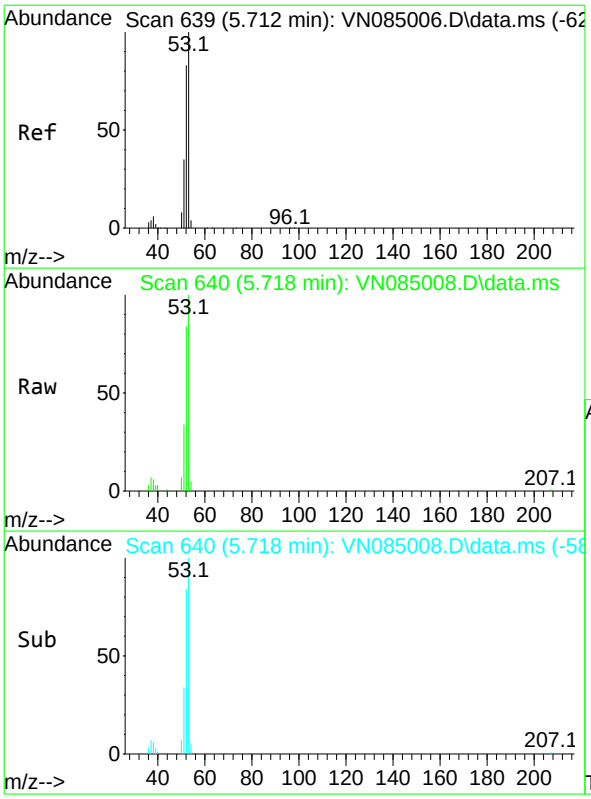


#14
Allyl chloride
Concen: 9.697 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 41 Resp: 28006

Ion	Ratio	Lower	Upper
41	100		
39	65.6	53.8	80.8
76	34.7	29.3	43.9

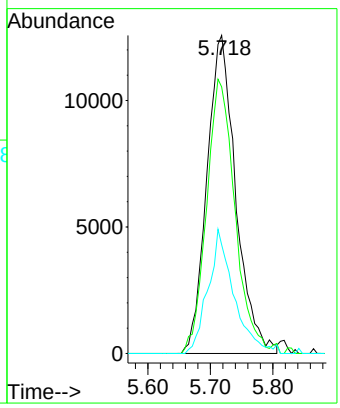




#15
Acrylonitrile
Concen: 46.525 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 53 Resp: 40469

Ion	Ratio	Lower	Upper
53	100		
52	84.5	65.5	98.3
51	35.0	28.4	42.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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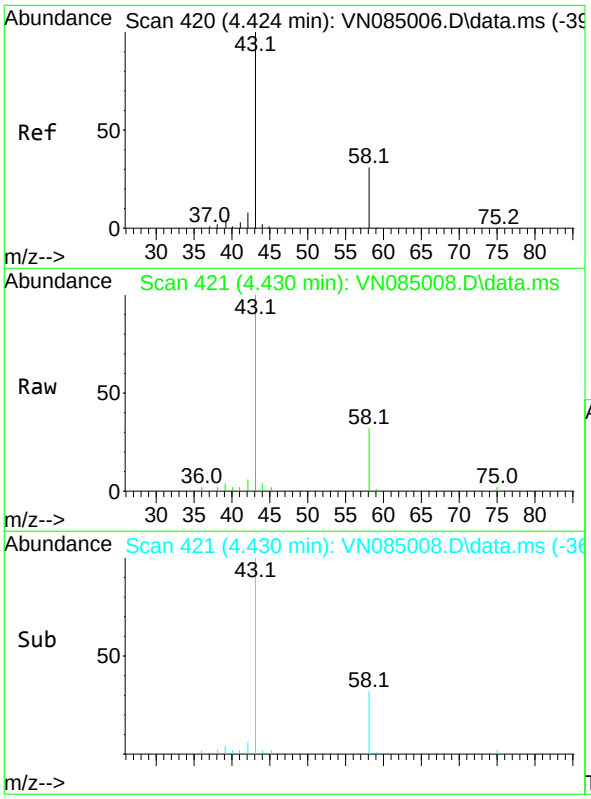
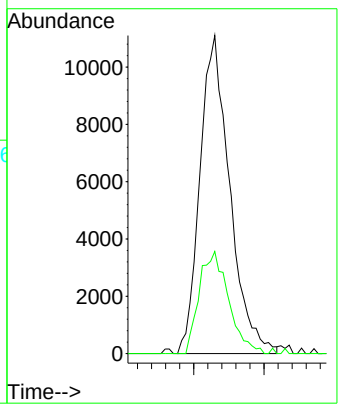
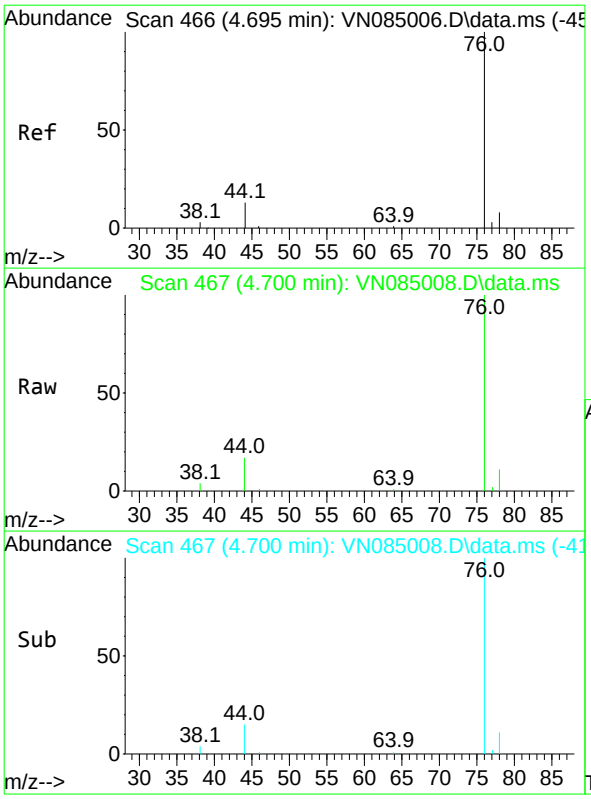


#16
Acetone
Concen: 48.900 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 43 Resp: 32743

Ion	Ratio	Lower	Upper
43	100		
58	32.1	25.4	38.2

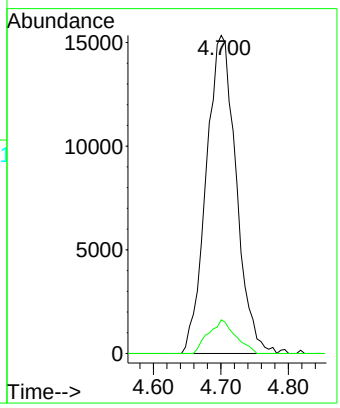




#17
Carbon Disulfide
Concen: 9.331 ug/l
RT: 4.700 min Scan# 46
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 76 Resp: 47181

Ion	Ratio	Lower	Upper
76	100		
78	10.6	6.5	9.7#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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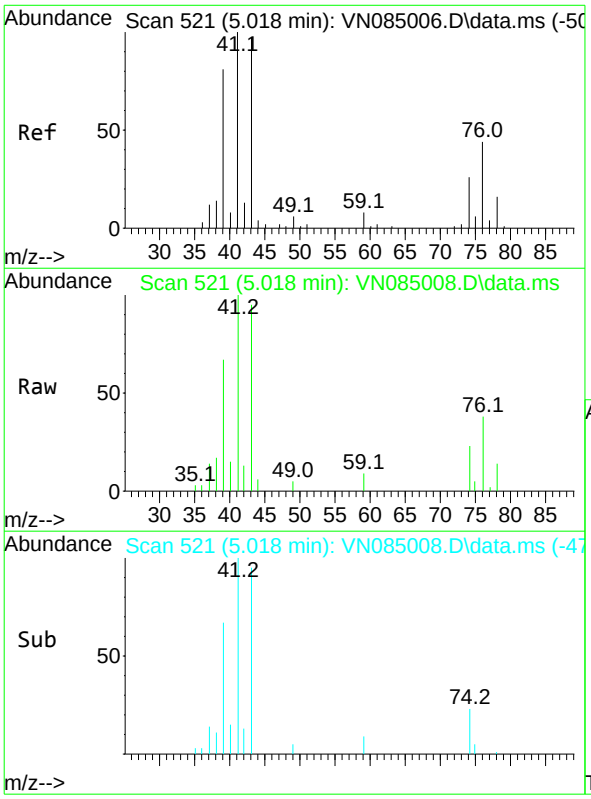
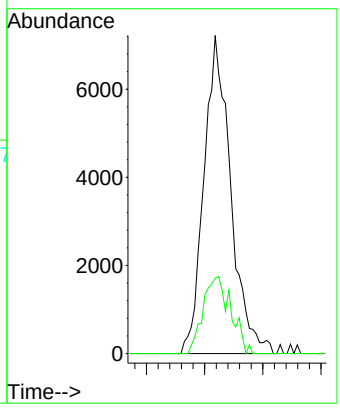
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

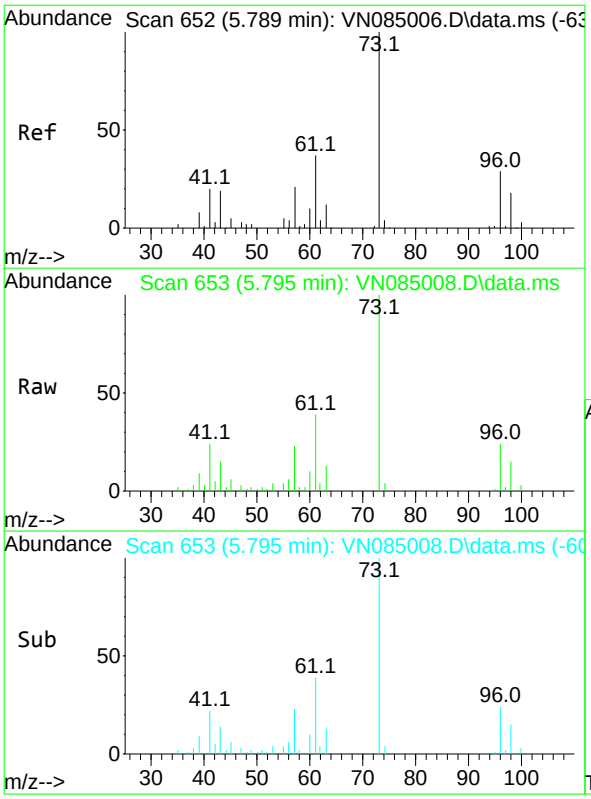


#18
Methyl Acetate
Concen: 9.856 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 43 Resp: 23065

Ion	Ratio	Lower	Upper
43	100		
74	25.0	20.1	30.1

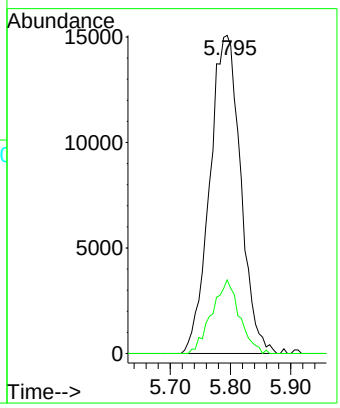




#19
Methyl tert-butyl Ether
Concen: 9.589 ug/l
RT: 5.795 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 73 Resp: 53672

Ion	Ratio	Lower	Upper
73	100		
57	23.1	17.0	25.4



Instrument :
MSVOA_N
ClientSampleId :
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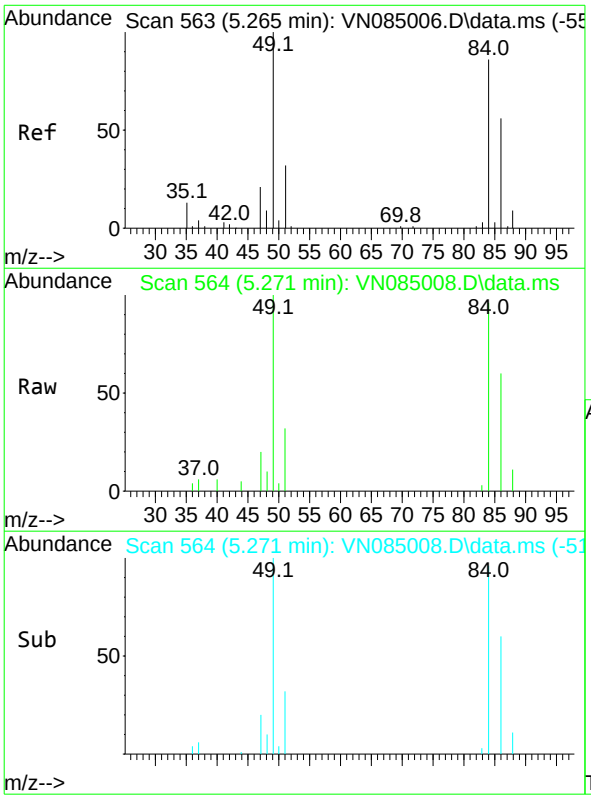
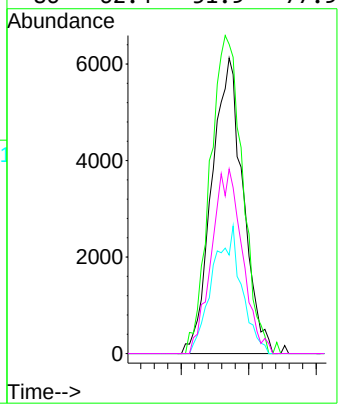
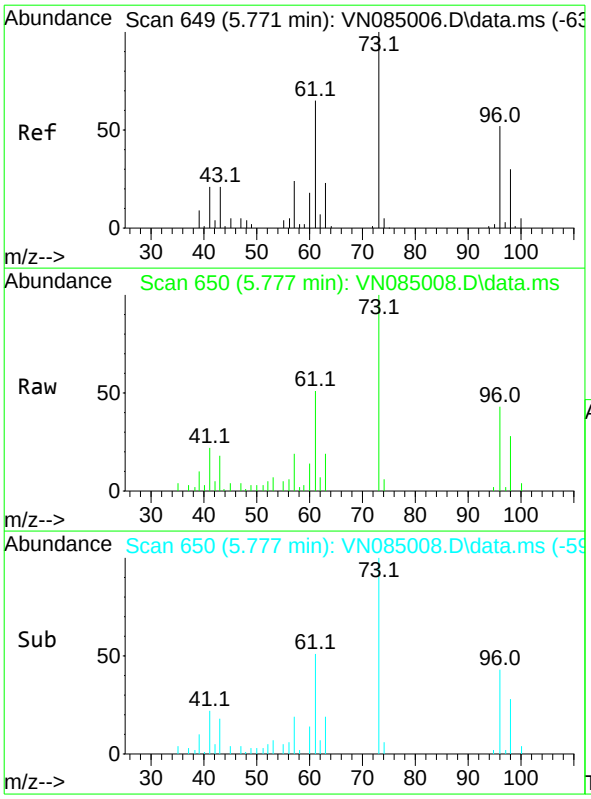


#20
Methylene Chloride
Concen: 9.632 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 84 Resp: 19680

Ion	Ratio	Lower	Upper
84	100		
49	104.6	92.7	139.1
51	33.3	29.4	44.2
86	62.4	51.9	77.9

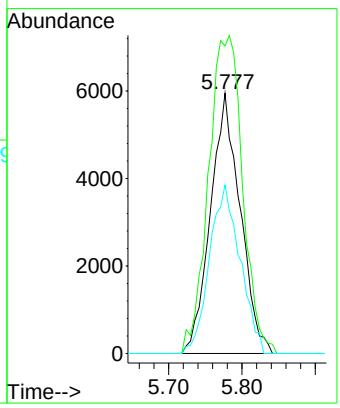




#21
trans-1,2-Dichloroethene
Concen: 9.296 ug/l
RT: 5.777 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 96 Resp: 16759

Ion	Ratio	Lower	Upper
96	100		
61	118.2	100.7	151.1
98	64.8	45.8	68.6



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ClientSampleId :
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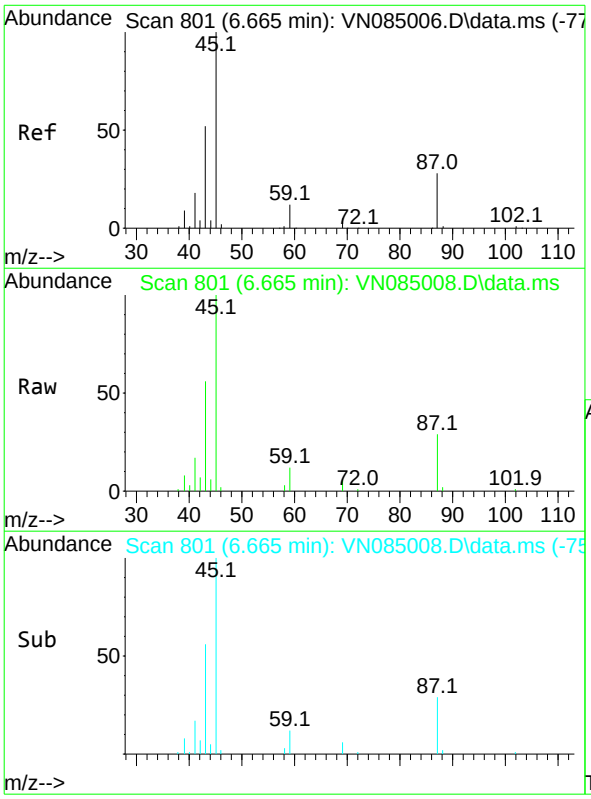
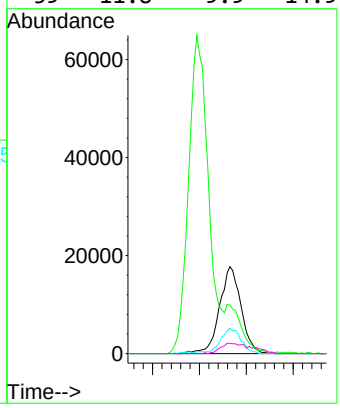
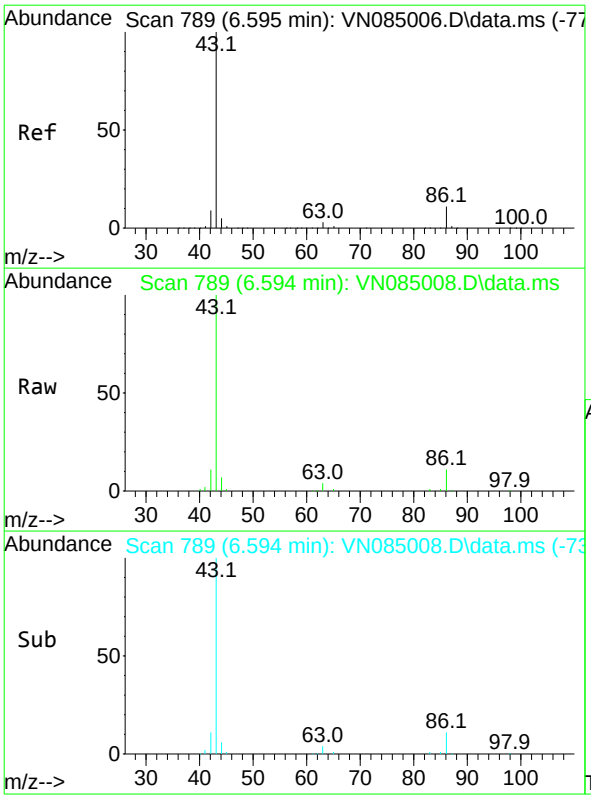


#22
Diisopropyl ether
Concen: 9.716 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 45 Resp: 56475

Ion	Ratio	Lower	Upper
45	100		
43	53.8	42.7	64.1
87	29.0	22.6	34.0
59	11.8	9.9	14.9

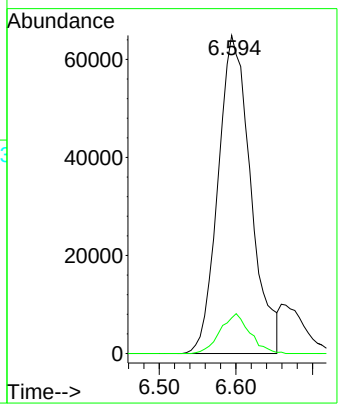




#23
Vinyl Acetate
Concen: 47.962 ug/l
RT: 6.594 min Scan# 78
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 43 Resp: 192330

Ion	Ratio	Lower	Upper
43	100		
86	11.2	8.9	13.3



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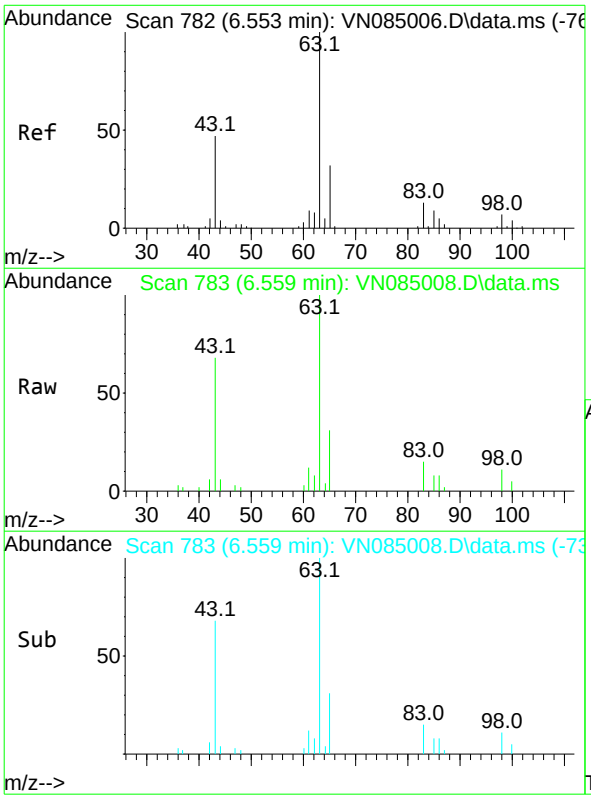
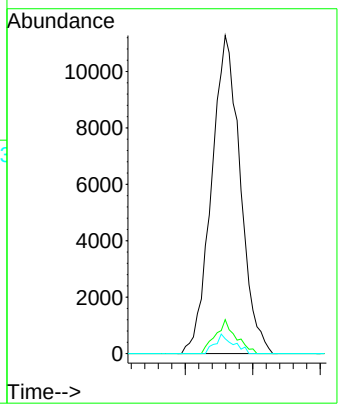
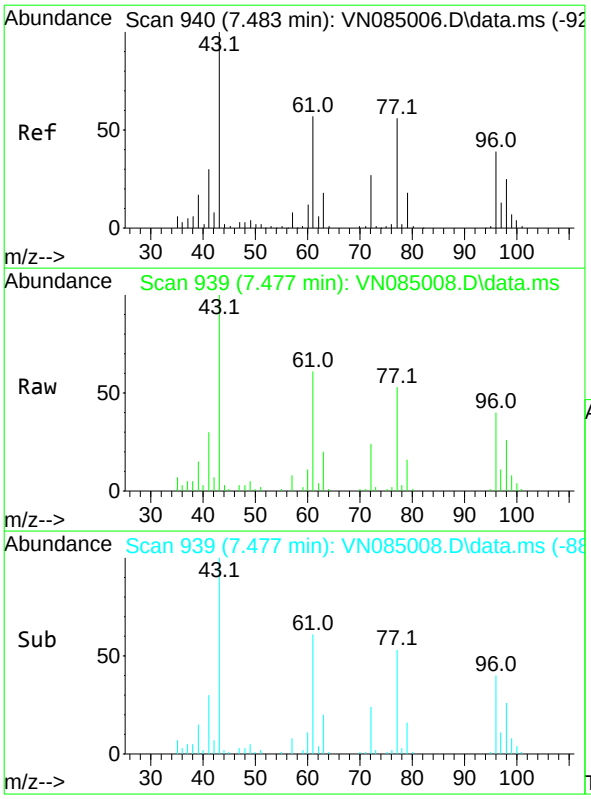


#24
1,1-Dichloroethane
Concen: 9.588 ug/l
RT: 6.559 min Scan# 783
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 63 Resp: 33350

Ion	Ratio	Lower	Upper
63	100		
98	10.7	3.3	9.8#
100	4.7	2.2	6.6

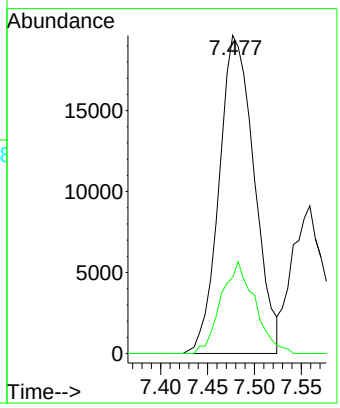




#25
2-Butanone
Concen: 46.790 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 43 Resp: 51223

Ion	Ratio	Lower	Upper
43	100		
72	24.0	21.4	32.0



Instrument :
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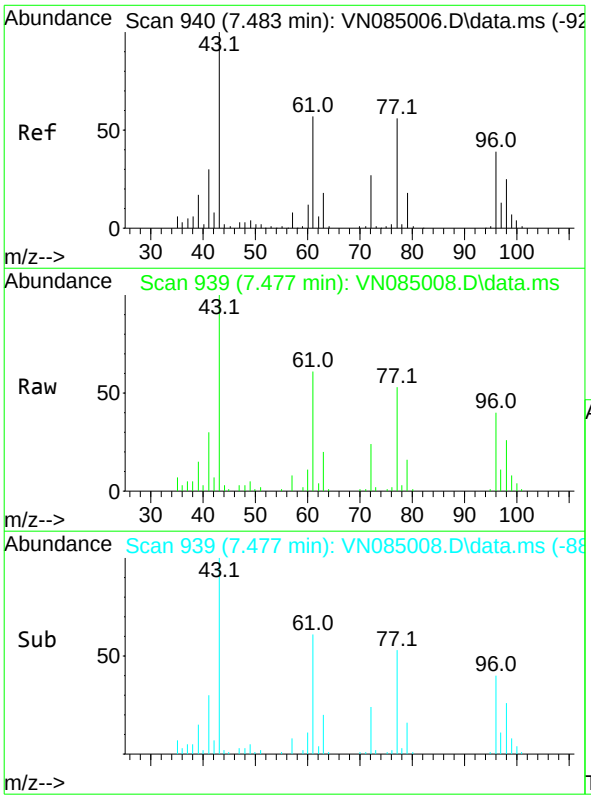
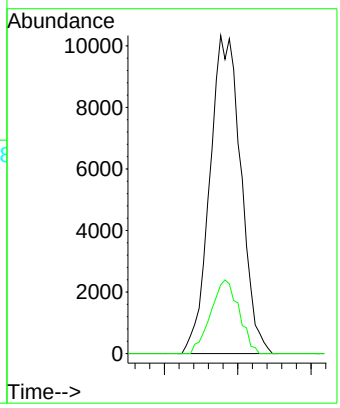
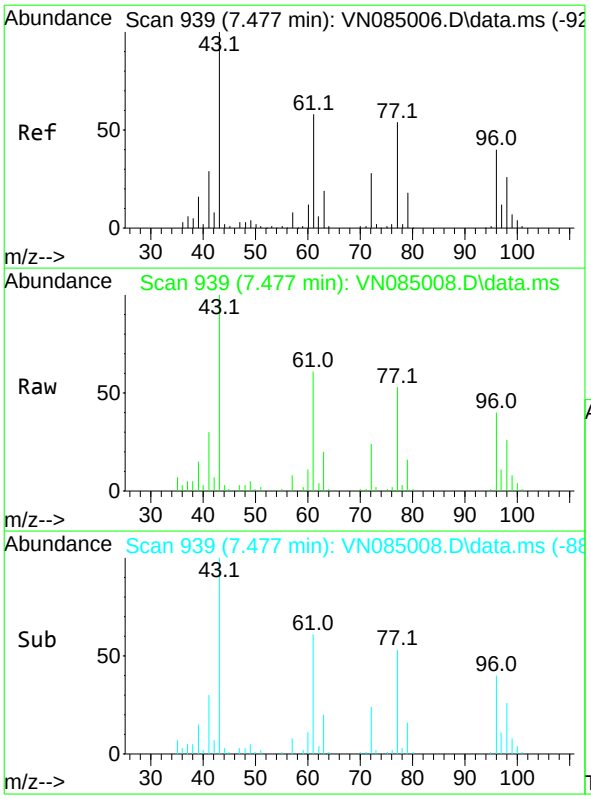


#26
2,2-Dichloropropane
Concen: 9.388 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 77 Resp: 30494

Ion	Ratio	Lower	Upper
77	100		
97	21.0	10.9	32.7

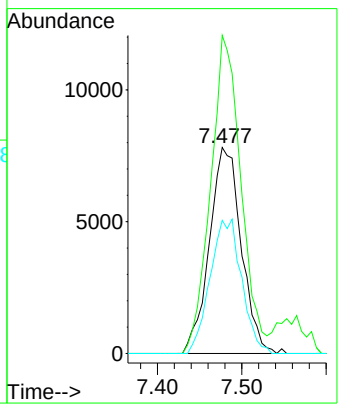




#27
cis-1,2-Dichloroethene
Concen: 9.418 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 96 Resp: 20469

Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	291.6
98	64.5	0.0	129.8



Instrument :
MSVOA_N
ClientSampleId :
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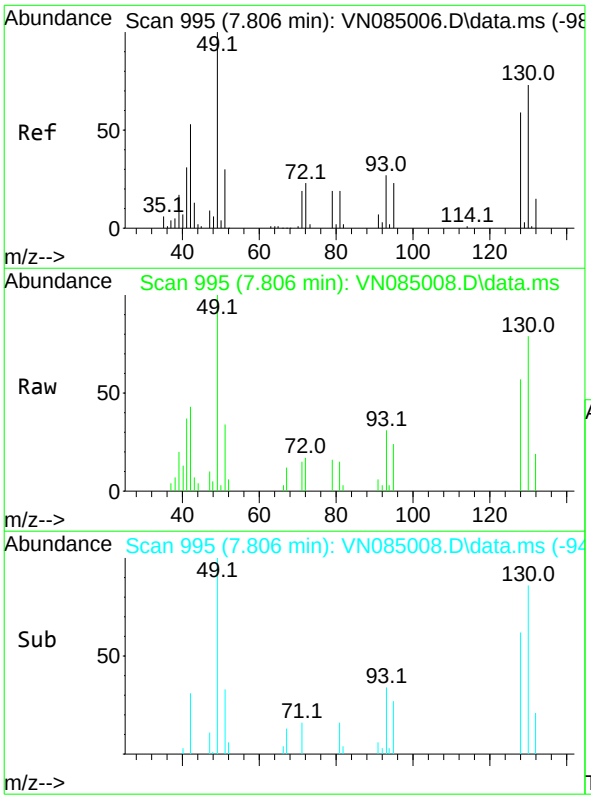
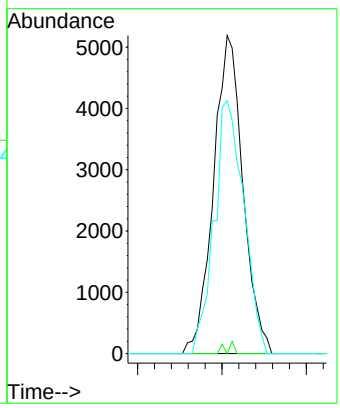
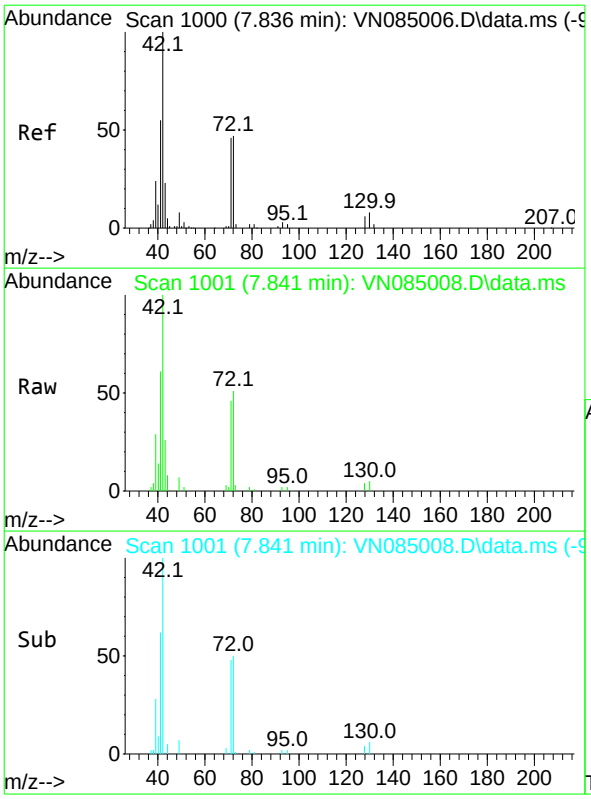


#28
Bromochloromethane
Concen: 9.591 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 49 Resp: 12594

Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	4.0
130	79.8	60.6	90.8

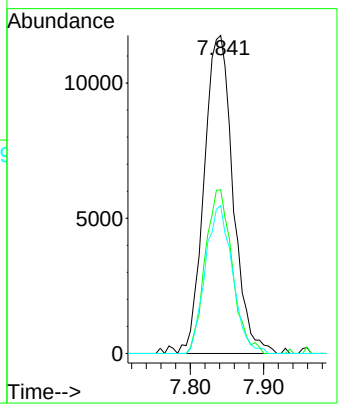




#29
Tetrahydrofuran
Concen: 47.294 ug/l
RT: 7.841 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 42 Resp: 32197

Ion	Ratio	Lower	Upper
42	100		
72	47.9	37.0	55.4
71	43.8	35.0	52.4



Instrument :
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ClientSampleId :
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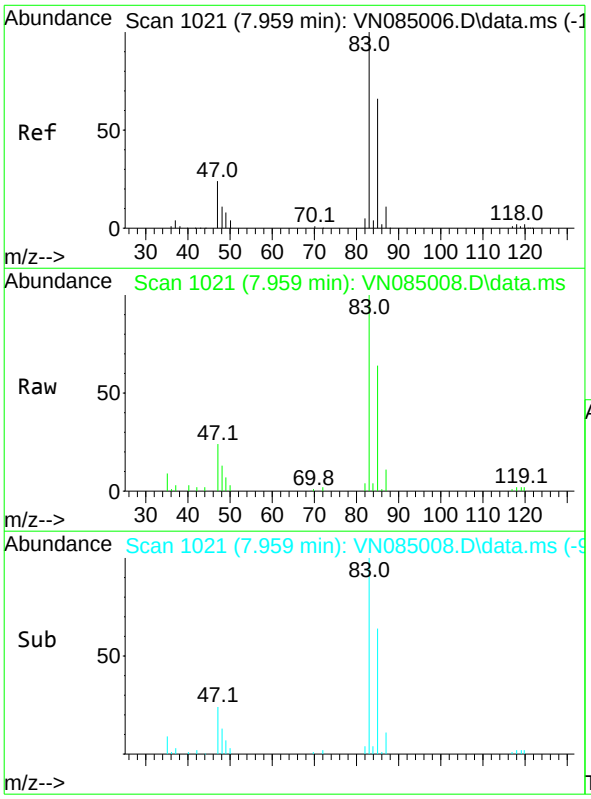
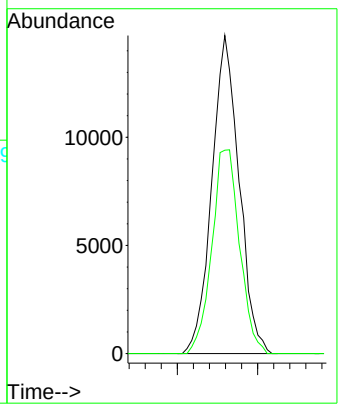
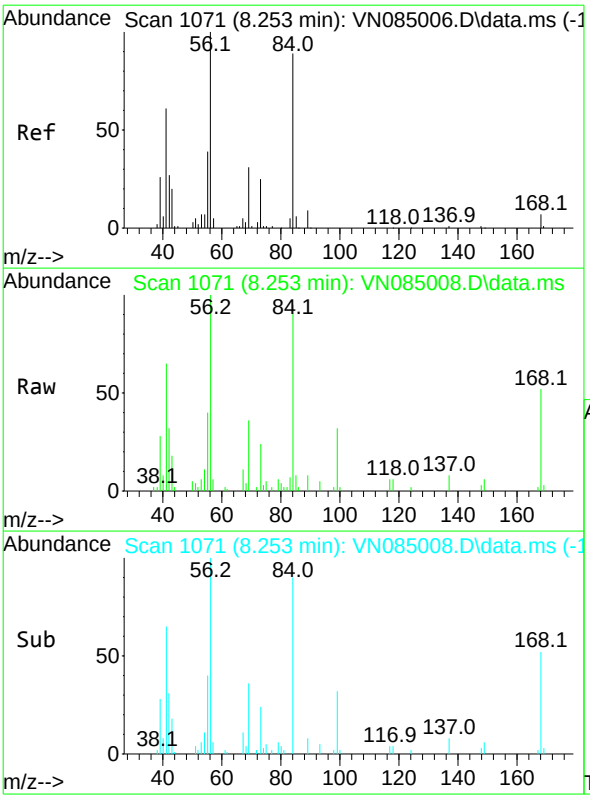


#30
Chloroform
Concen: 9.365 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 83 Resp: 34651

Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.6	78.8

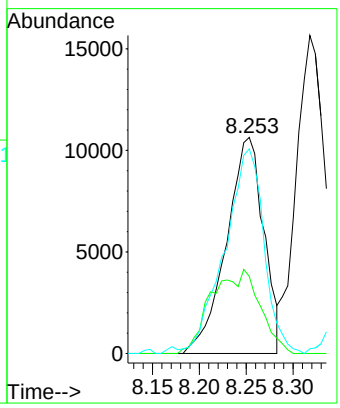




#31
Cyclohexane
Concen: 9.641 ug/l
RT: 8.253 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 56 Resp: 29526

Ion	Ratio	Lower	Upper
56	100		
69	35.7	24.6	36.8
84	92.9	71.4	107.2



Instrument :
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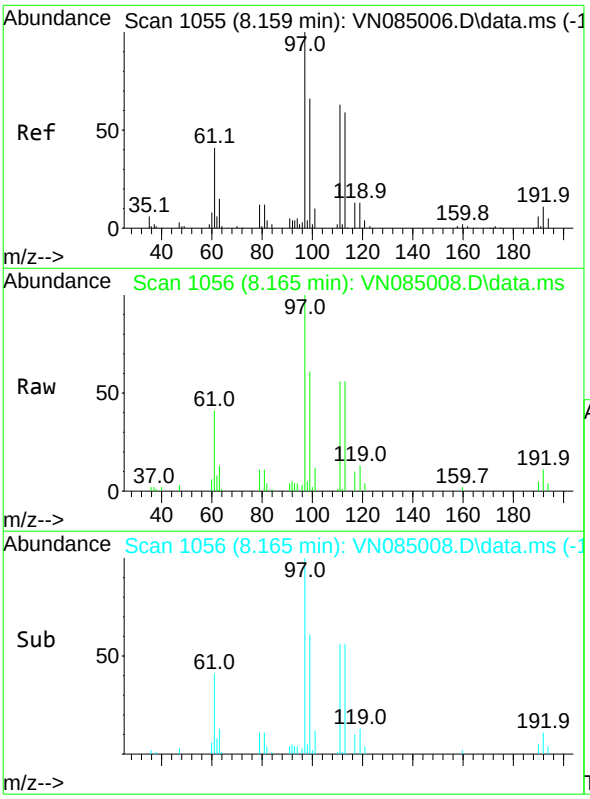
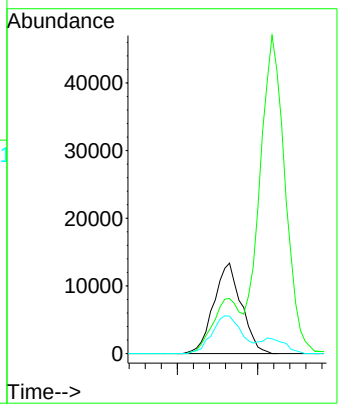
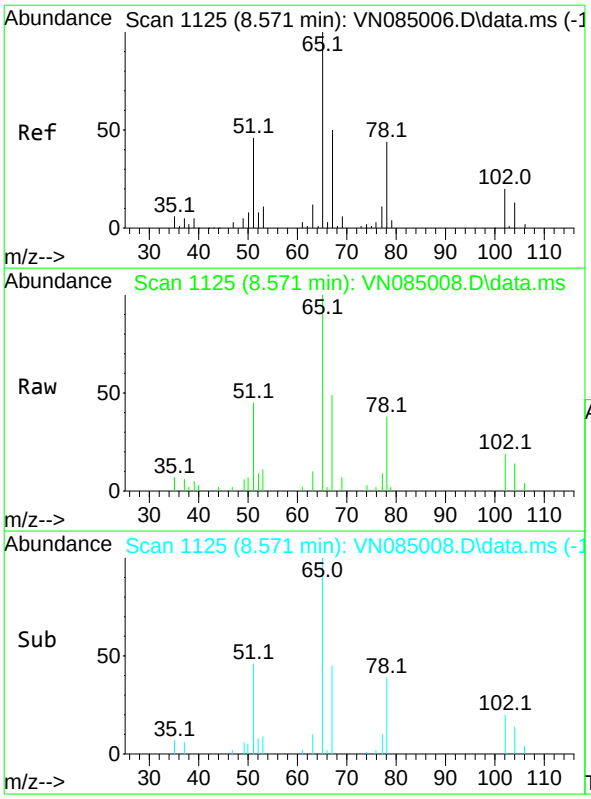


#32
1,1,1-Trichloroethane
Concen: 9.587 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 97 Resp: 32054

Ion	Ratio	Lower	Upper
97	100		
99	61.9	51.0	76.4
61	44.6	36.2	54.2

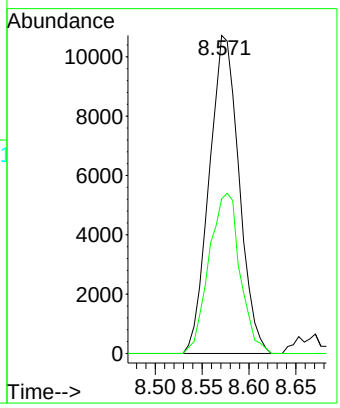




#33
1,2-Dichloroethane-d4
Concen: 10.323 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 65 Resp: 23734

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	105.0



Instrument :
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ClientSampleId :
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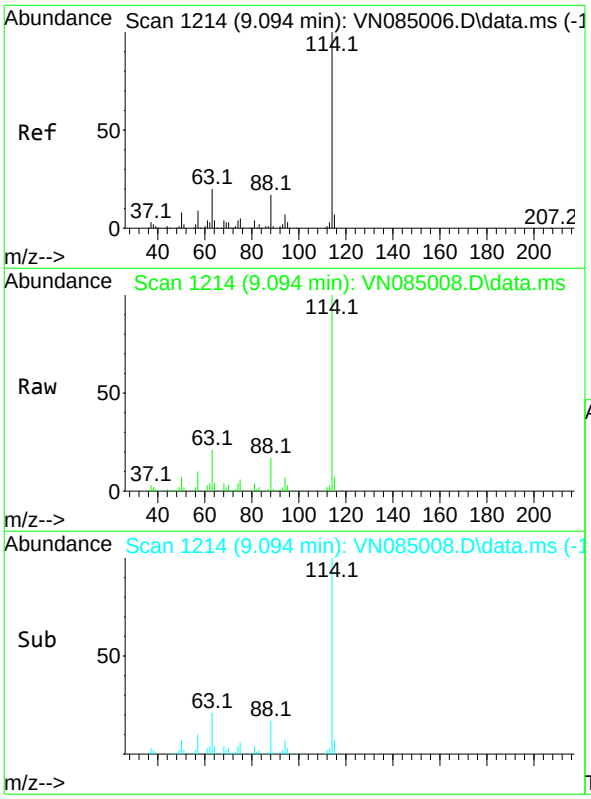
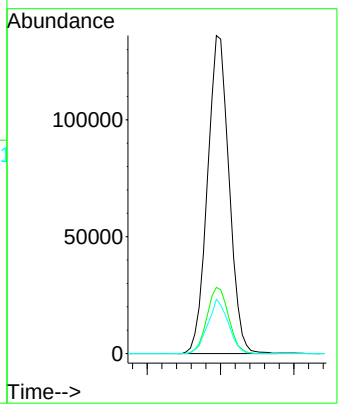
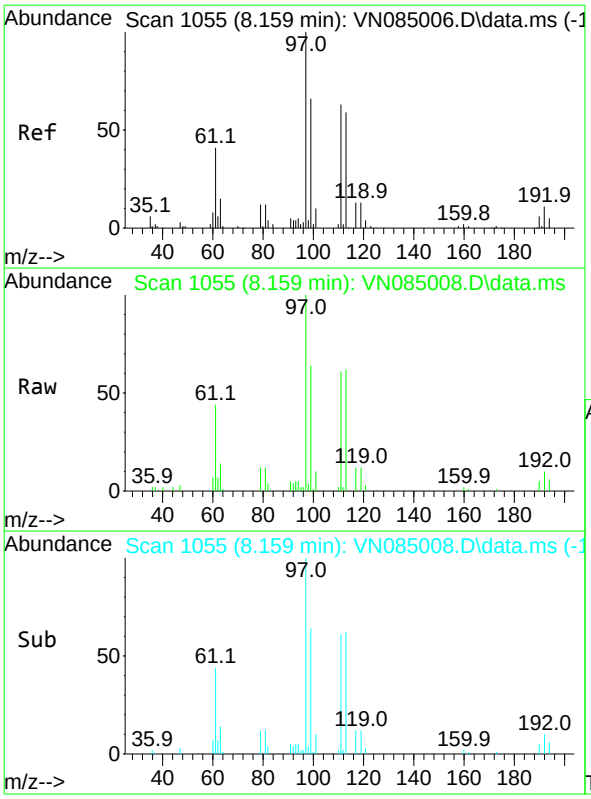


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:114 Resp: 278264

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	41.0
88	17.1	0.0	34.8

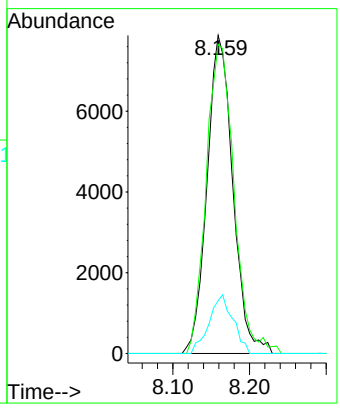




#35
Dibromofluoromethane
Concen: 9.801 ug/l
RT: 8.159 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:113 Resp: 18392

Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.0	123.0
192	17.1	14.8	22.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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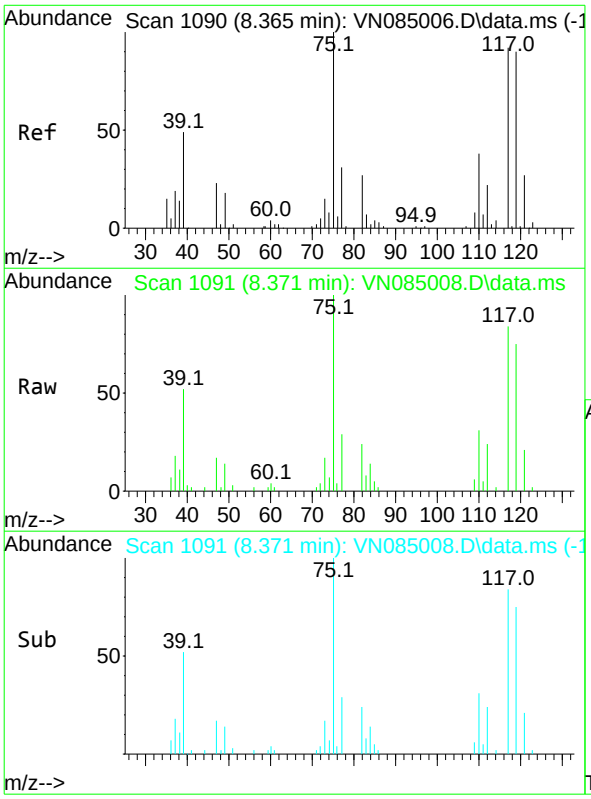
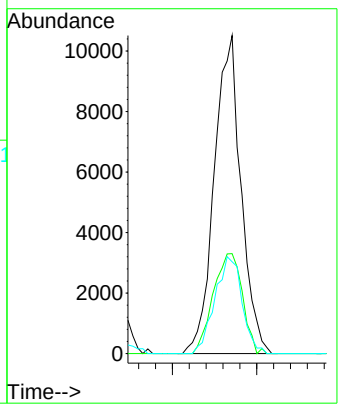
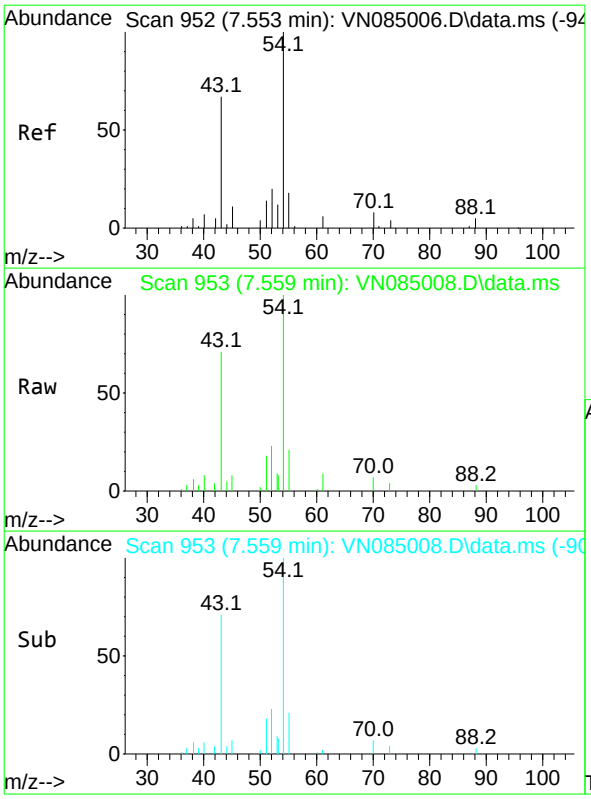


#36
1,1-Dichloropropene
Concen: 9.130 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 75 Resp: 23205

Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.2	51.6
77	30.9	24.2	36.4

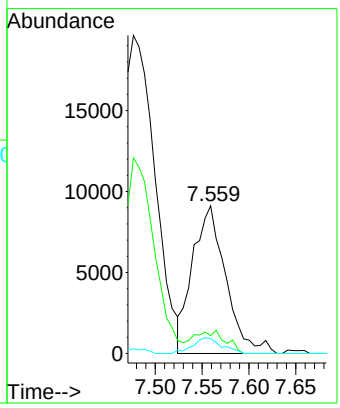




#37
Ethyl Acetate
Concen: 9.732 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 43 Resp: 22487

Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.7	17.5
70	9.2	9.3	13.9#



Instrument :
MSVOA_N
ClientSampleId :
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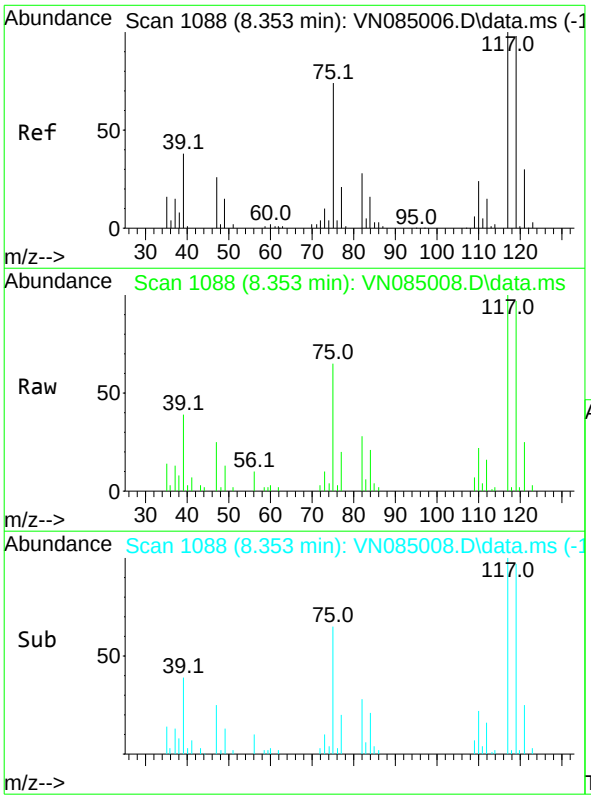
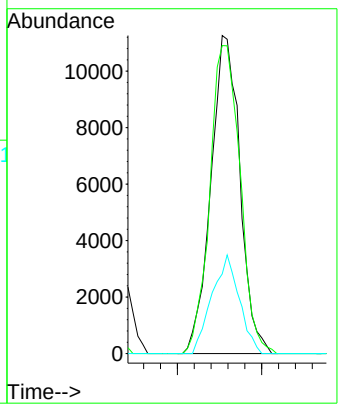
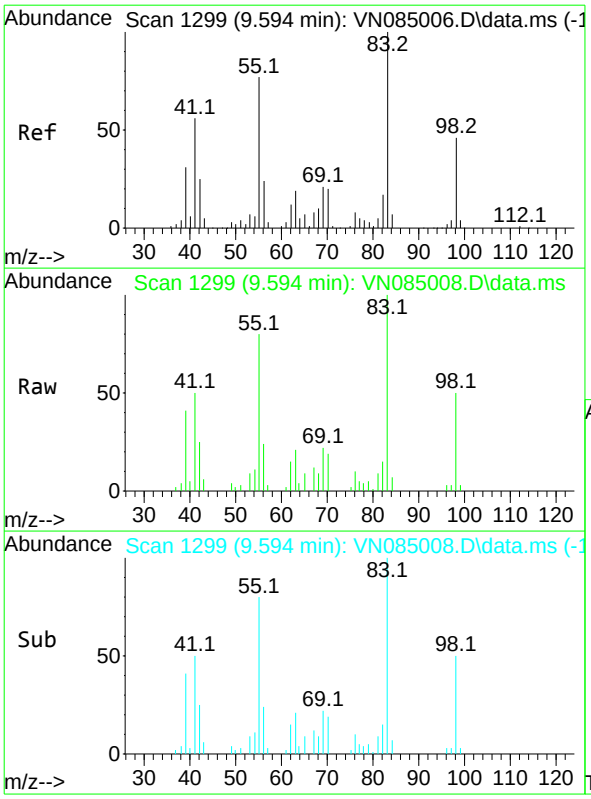


#38
Carbon Tetrachloride
Concen: 9.186 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:117 Resp: 26952

Ion	Ratio	Lower	Upper
117	100		
119	96.8	78.6	117.8
121	25.0	24.2	36.2

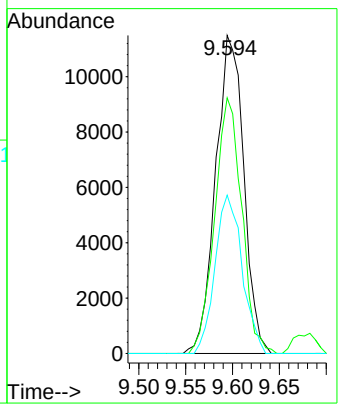




#39
Methylcyclohexane
Concen: 9.058 ug/l
RT: 9.594 min Scan# 12
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 83 Resp: 23924

Ion	Ratio	Lower	Upper
83	100		
55	80.4	61.8	92.6
98	49.8	37.0	55.6



Instrument :
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ClientSampleId :
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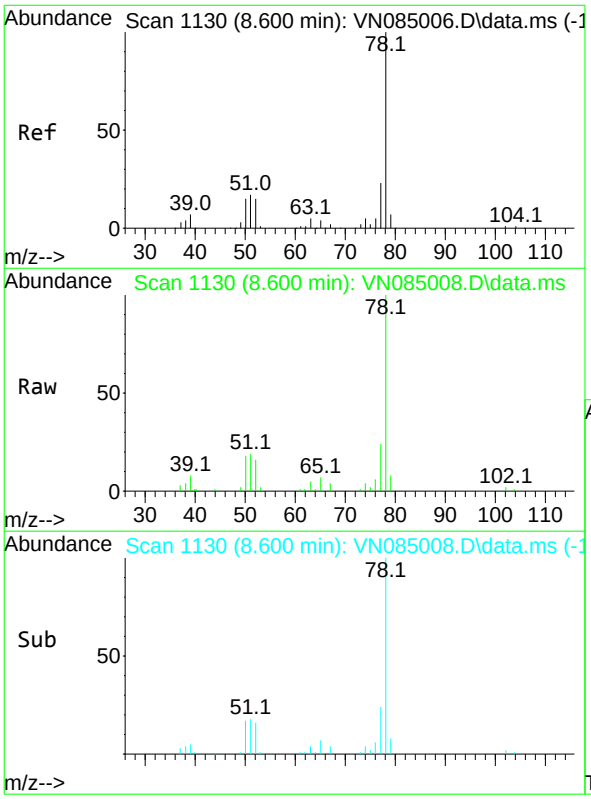
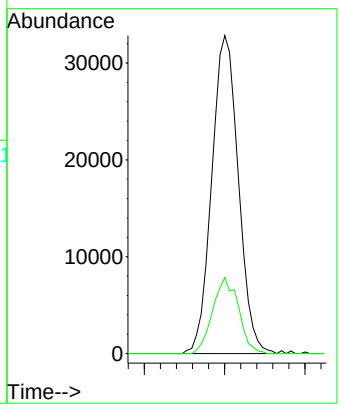
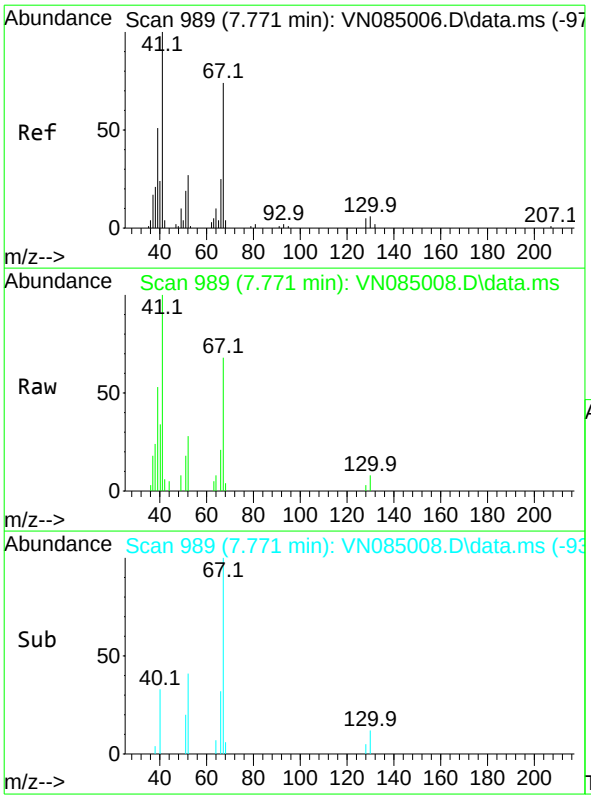


#40
Benzene
Concen: 9.404 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 78 Resp: 75597

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.5	27.7

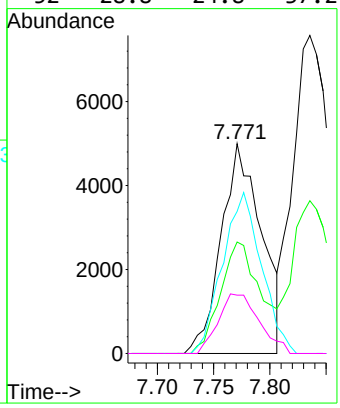




#41
Methacrylonitrile
Concen: 9.705 ug/l
RT: 7.771 min Scan# 98
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 41 Resp: 12417

Ion	Ratio	Lower	Upper
41	100		
39	53.3	42.6	63.8
67	74.5	59.9	89.9
52	28.8	24.8	37.2



Instrument :
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ClientSampleId :
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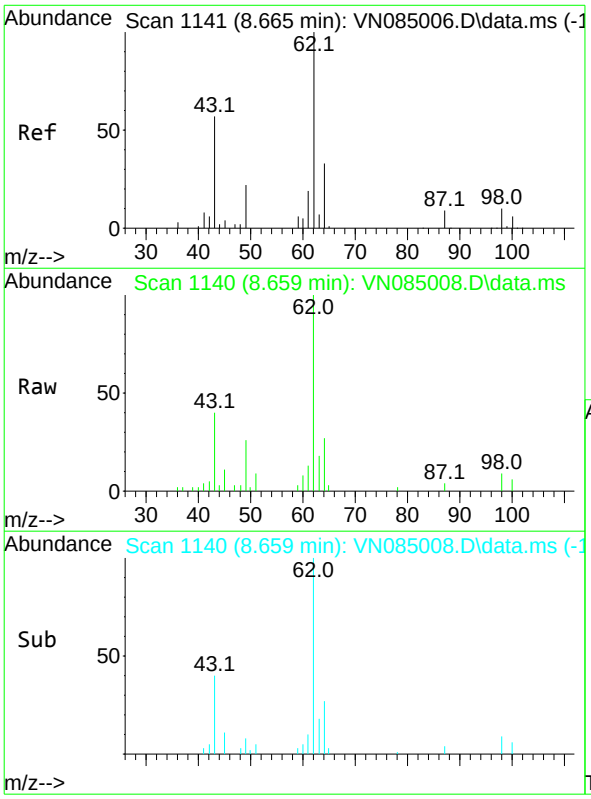
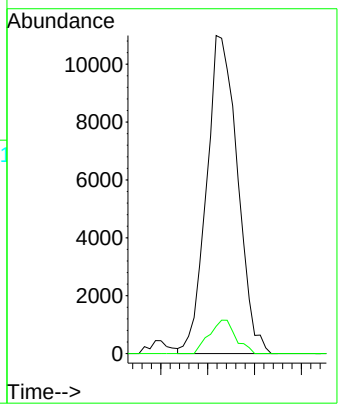
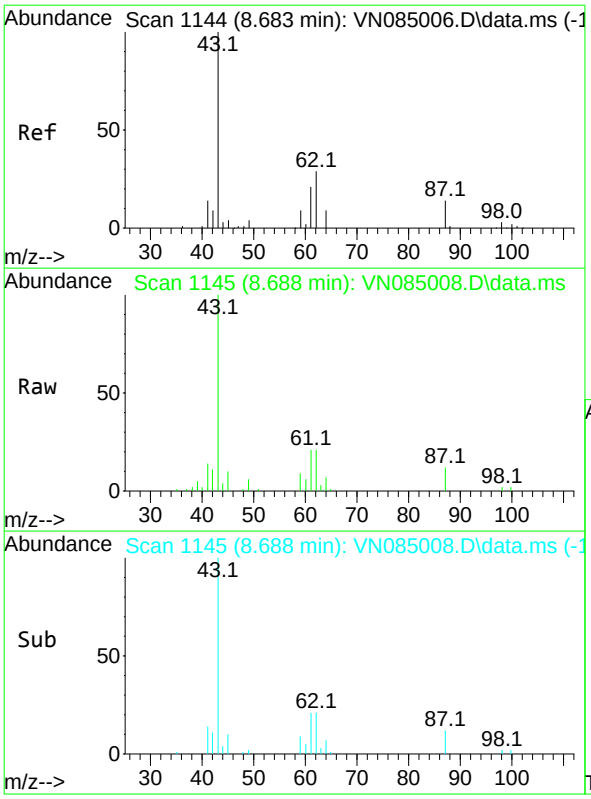


#42
1,2-Dichloroethane
Concen: 9.152 ug/l
RT: 8.659 min Scan# 1140
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 62 Resp: 25169

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2

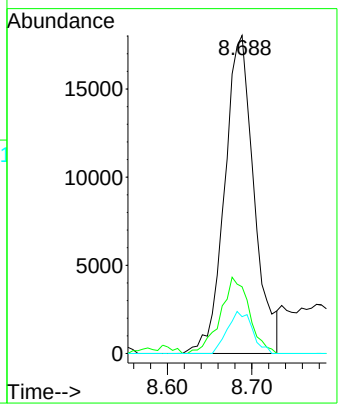




#43
Isopropyl Acetate
Concen: 9.108 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 43 Resp: 43717

Ion	Ratio	Lower	Upper
43	100		
61	23.5	20.6	30.8
87	11.2	11.0	16.4



Instrument :
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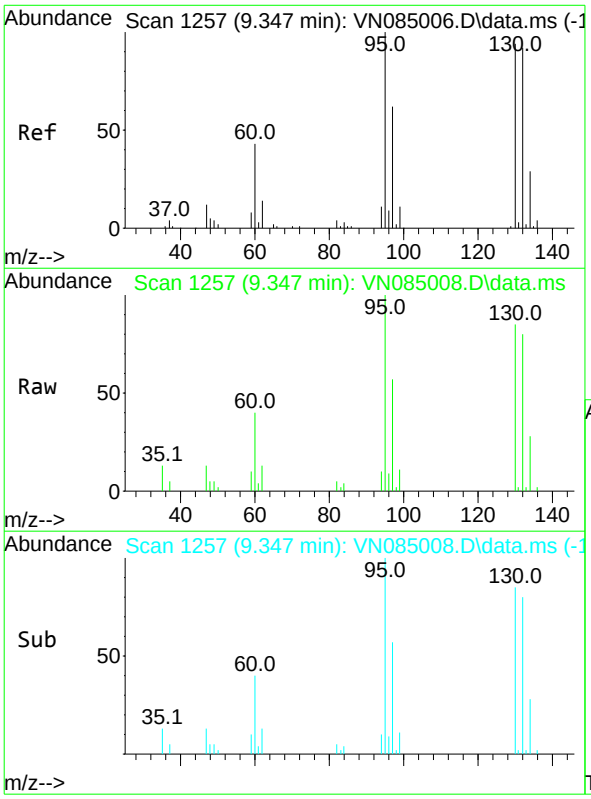
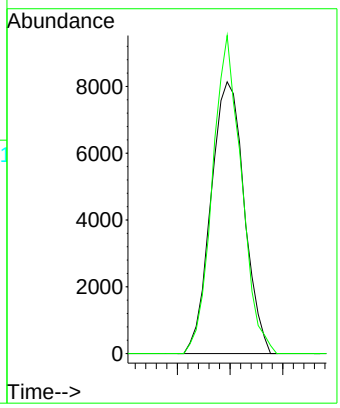
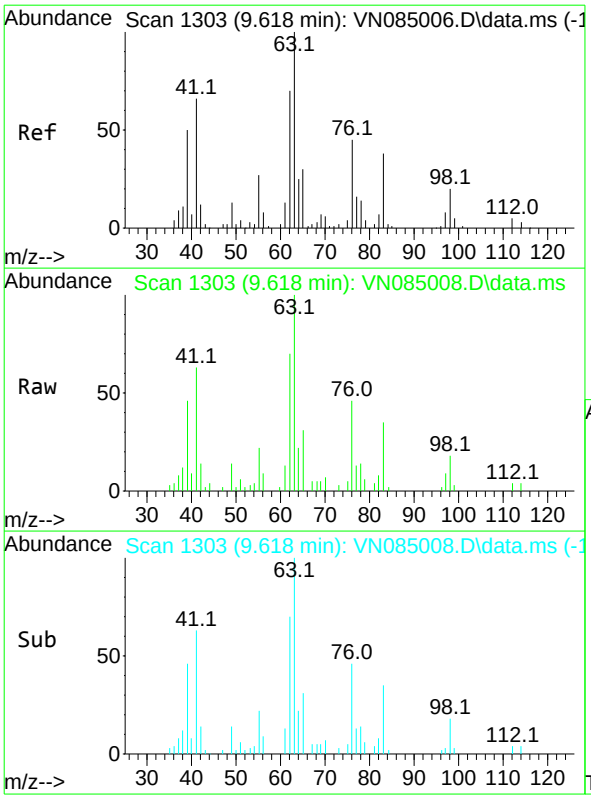


#44
Trichloroethene
Concen: 9.547 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:130 Resp: 17835

Ion	Ratio	Lower	Upper
130	100		
95	117.0	0.0	213.4

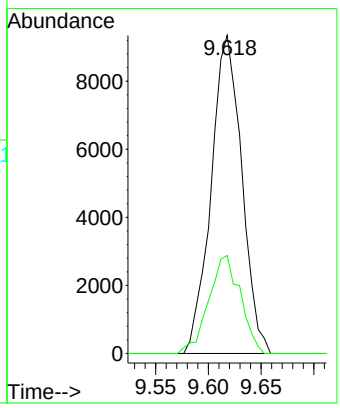




#45
1,2-Dichloropropane
Concen: 9.546 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 63 Resp: 18902

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.0	36.0



Instrument :
MSVOA_N
ClientSampleId :
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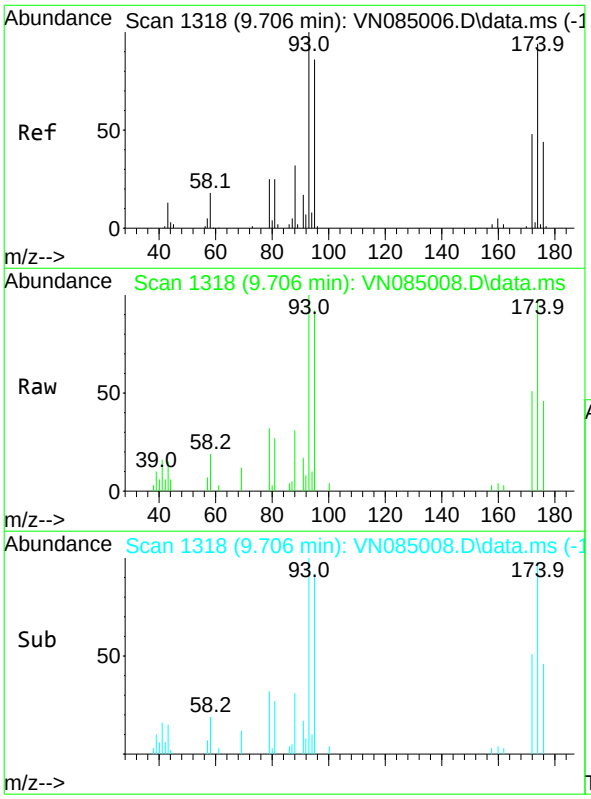
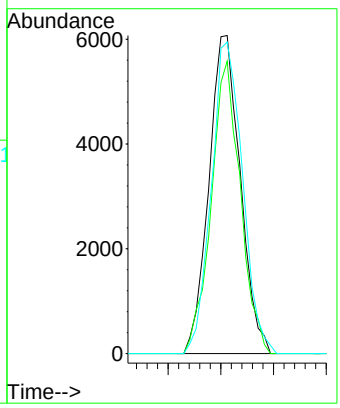
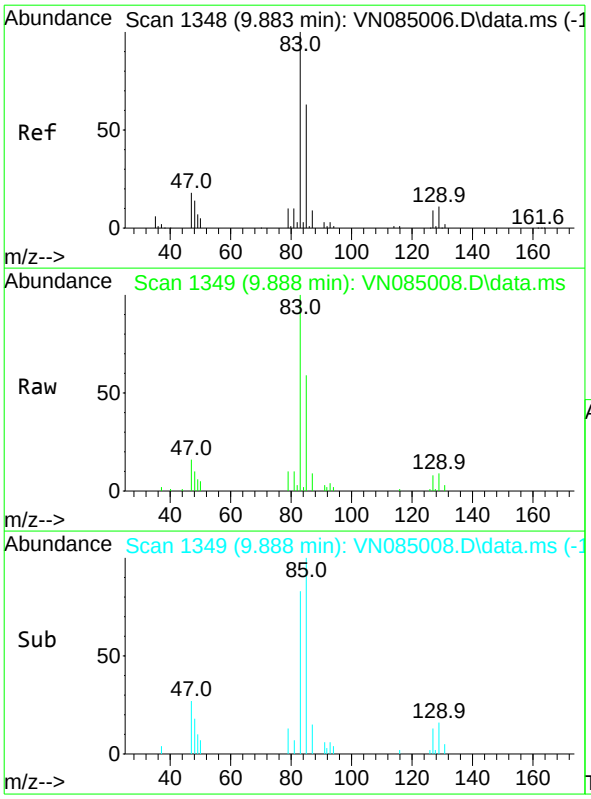


#46
Dibromomethane
Concen: 9.114 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 93 Resp: 12540

Ion	Ratio	Lower	Upper
93	100		
95	85.5	66.2	99.4
174	97.5	74.9	112.3

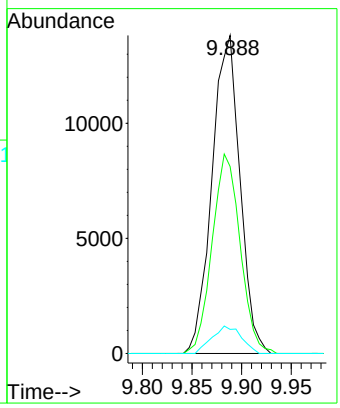




#47
Bromodichloromethane
Concen: 9.306 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 83 Resp: 27136

Ion	Ratio	Lower	Upper
83	100		
85	58.8	50.5	75.7
127	7.6	7.1	10.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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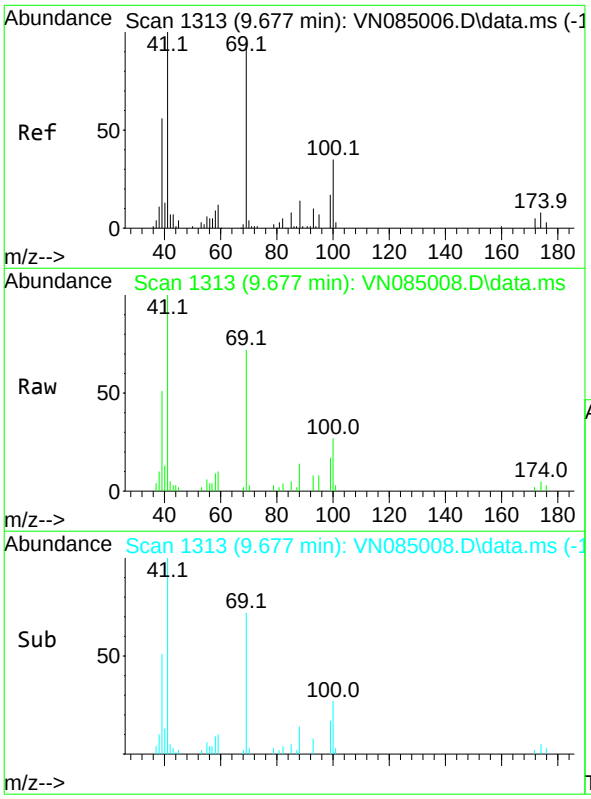
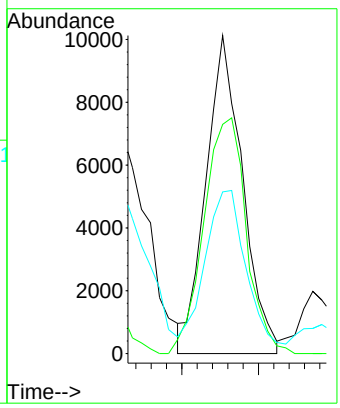
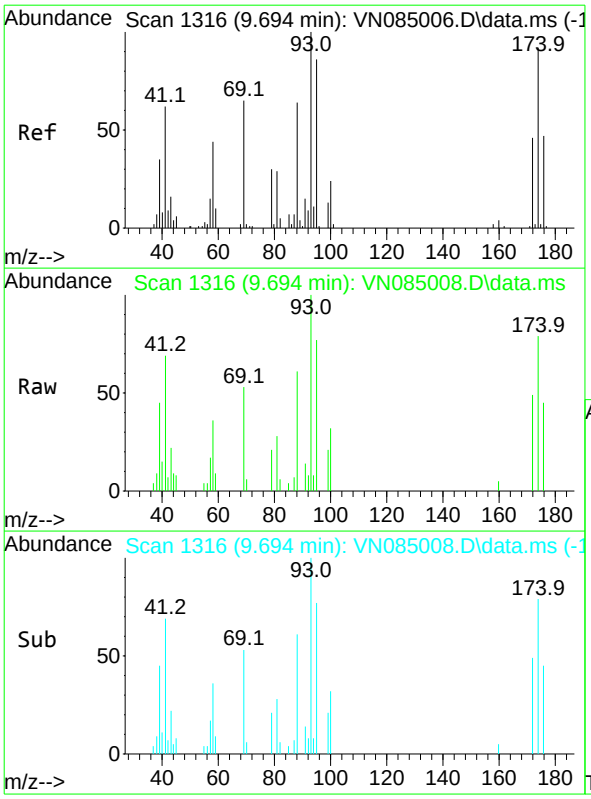


#48
Methyl methacrylate
Concen: 9.402 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 41 Resp: 16793

Ion	Ratio	Lower	Upper
41	100		
69	85.7	73.2	109.8
39	59.4	46.2	69.4

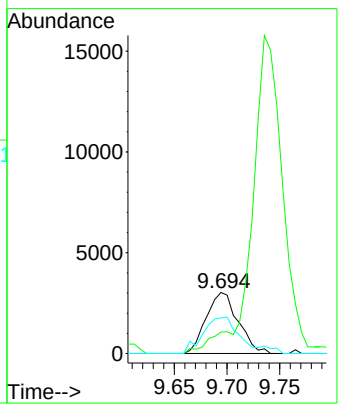




#49
1,4-Dioxane
Concen: 205.527 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 88 Resp: 6366

Ion	Ratio	Lower	Upper
88	100		
43	0.0	16.7	25.1#
58	70.8	56.5	84.7



Instrument :
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ClientSampleId :
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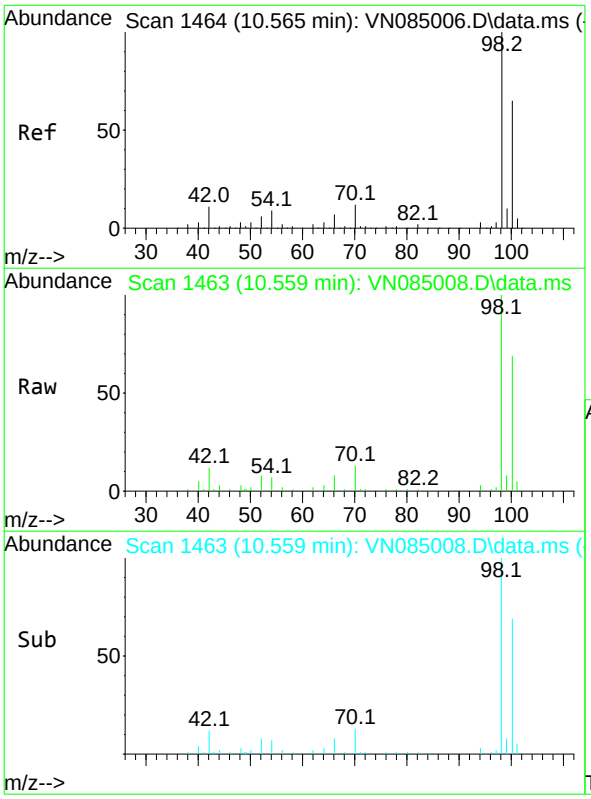
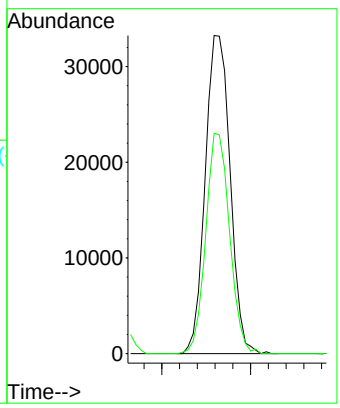
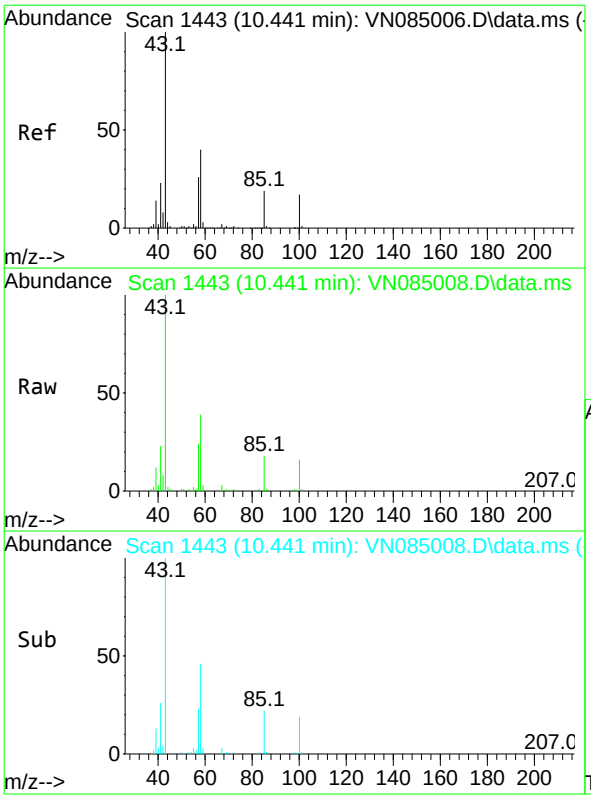


#50
Toluene-d8
Concen: 9.614 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 98 Resp: 64656

Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.5	78.7

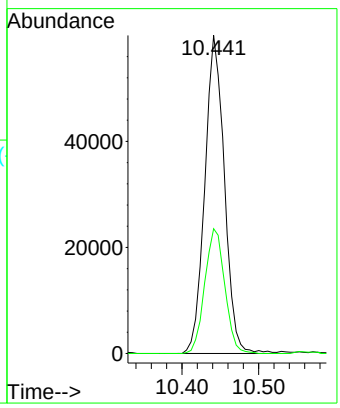




#51
4-Methyl-2-Pentanone
Concen: 48.544 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 43 Resp: 106422

Ion	Ratio	Lower	Upper
43	100		
58	40.1	32.1	48.1



Instrument :
MSVOA_N
ClientSampleId :
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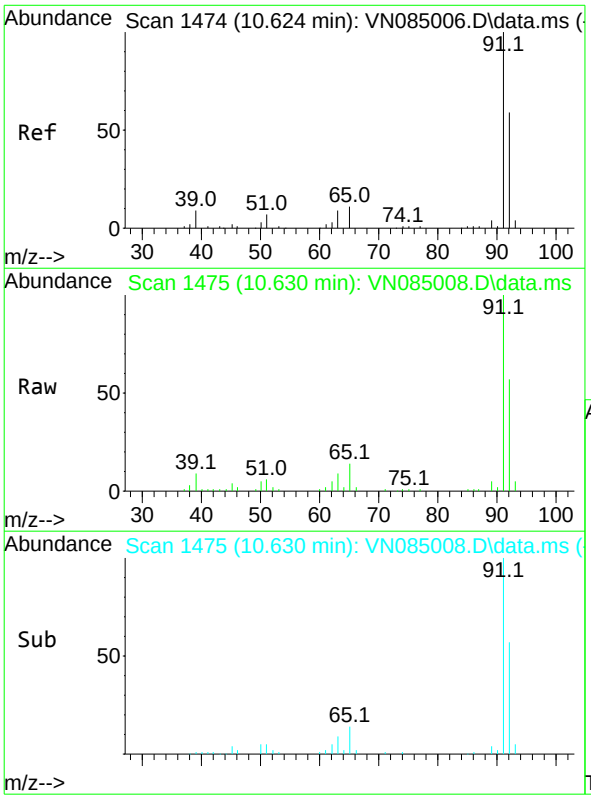
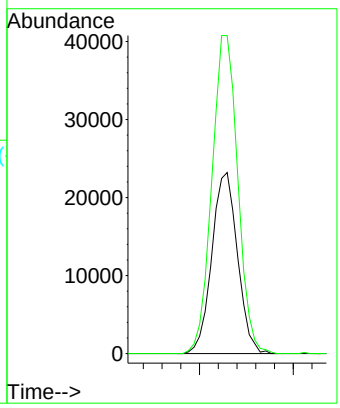
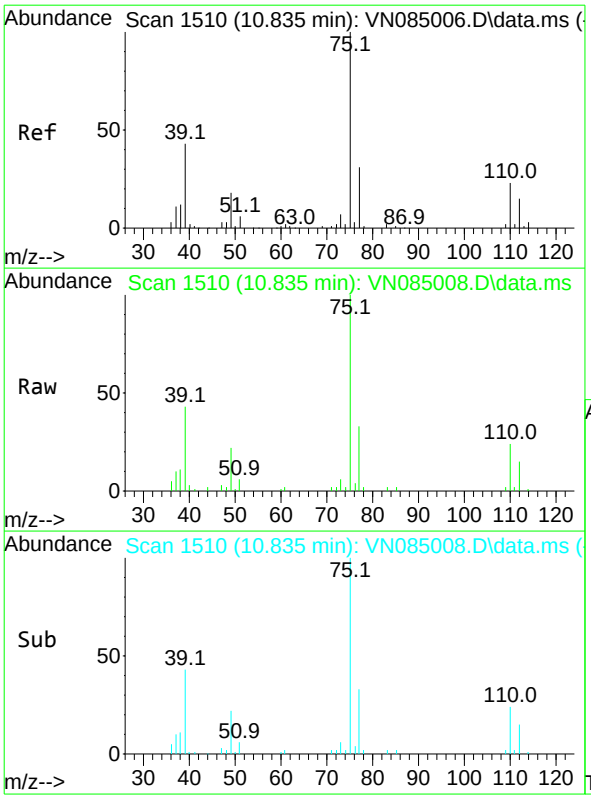


#52
Toluene
Concen: 9.261 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 92 Resp: 44072

Ion	Ratio	Lower	Upper
92	100		
91	177.5	136.7	205.1

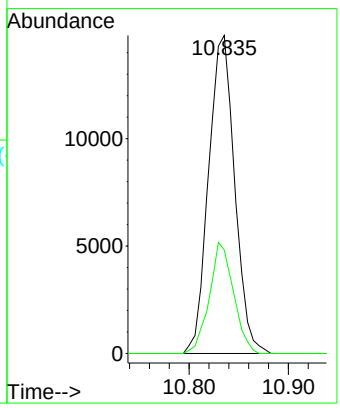




#53
t-1,3-Dichloropropene
Concen: 9.249 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 75 Resp: 27040

Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.0	37.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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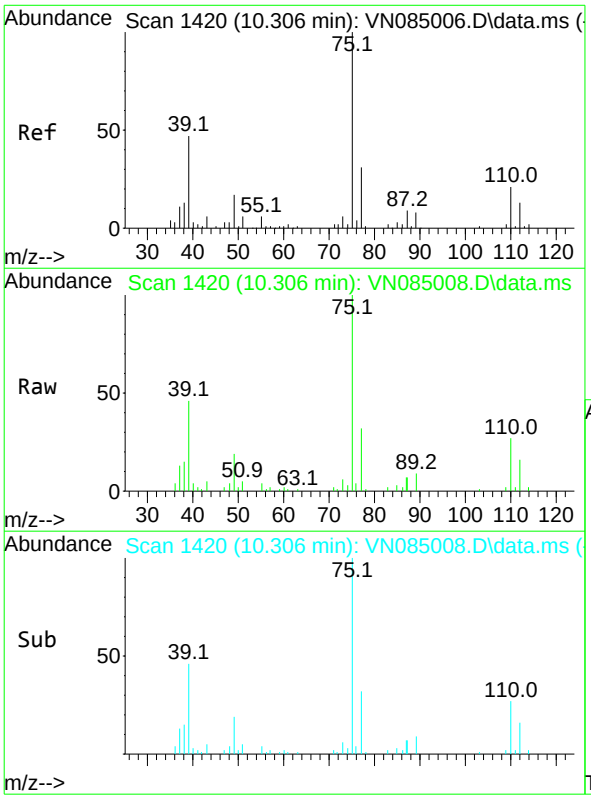
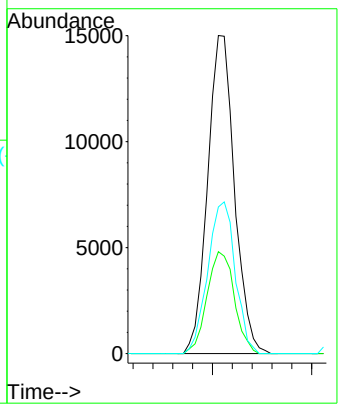
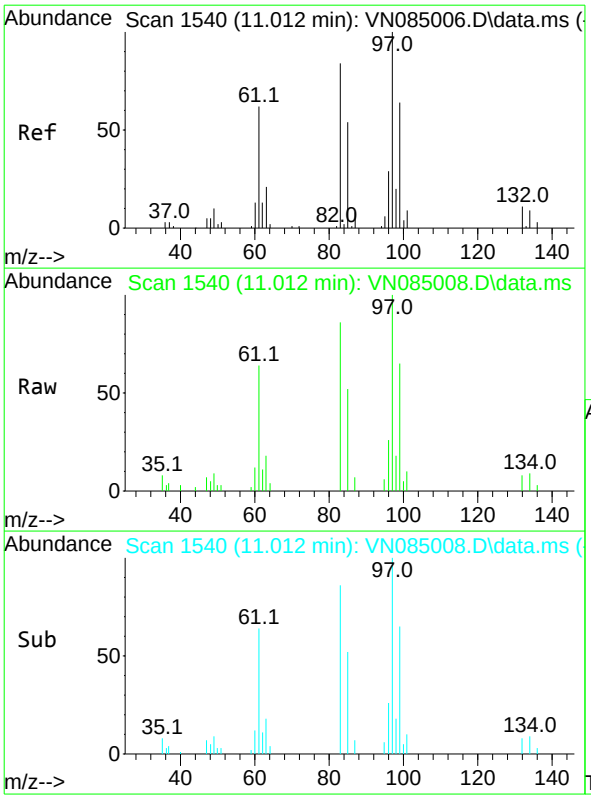


#54
cis-1,3-Dichloropropene
Concen: 9.087 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 75 Resp: 28183

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.0	37.4
39	46.1	37.6	56.4

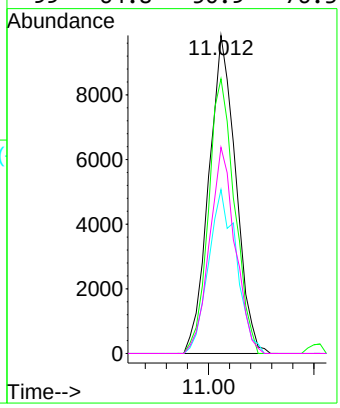




#55
1,1,2-Trichloroethane
Concen: 9.871 ug/l
RT: 11.012 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 97 Resp: 17498

Ion	Ratio	Lower	Upper
97	100		
83	86.4	67.4	101.2
85	51.5	43.1	64.7
99	64.8	50.9	76.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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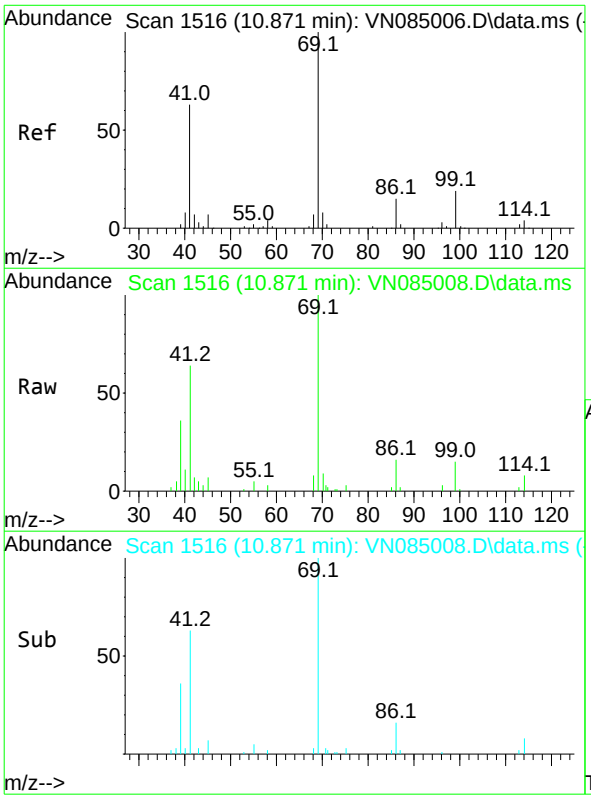
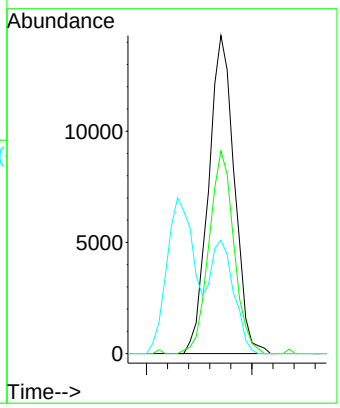
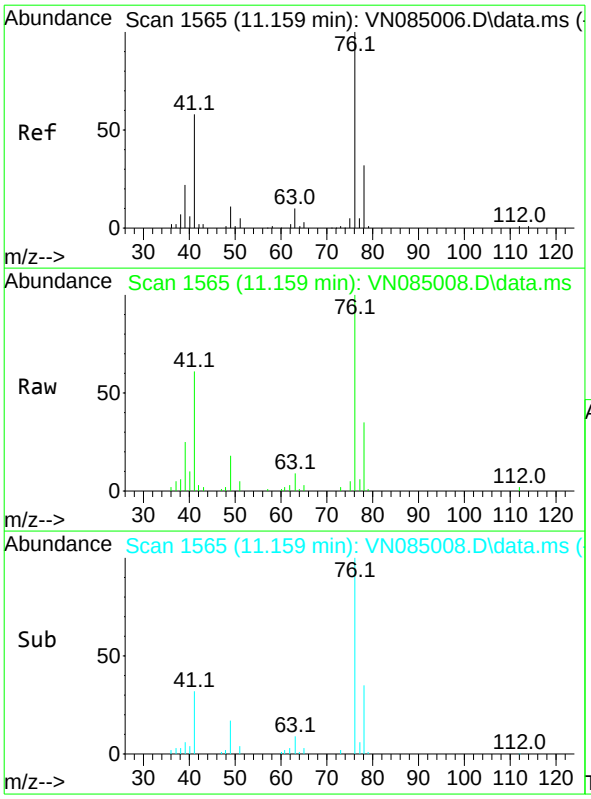


#56
Ethyl methacrylate
Concen: 9.385 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 69 Resp: 24309

Ion	Ratio	Lower	Upper
69	100		
41	61.7	50.0	75.0
39	33.1	27.0	40.6

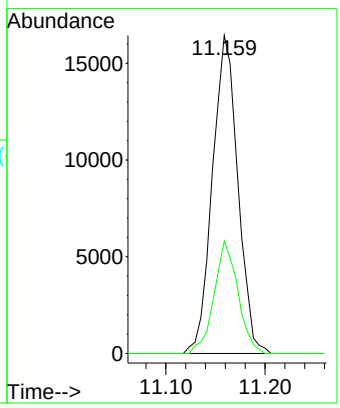




#57
1,3-Dichloropropane
Concen: 9.378 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 76 Resp: 29257

Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.1	39.1



Instrument :
MSVOA_N
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VSTDICC010

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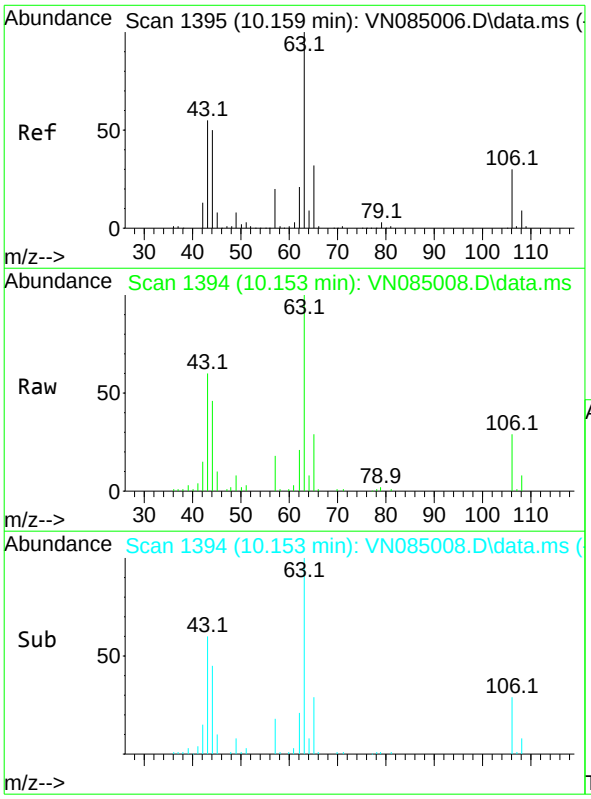
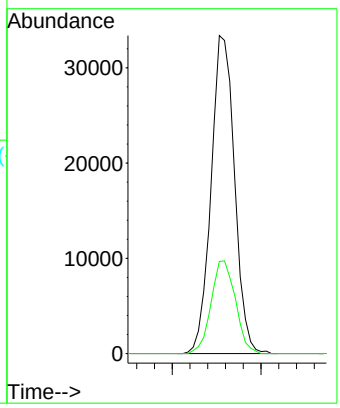
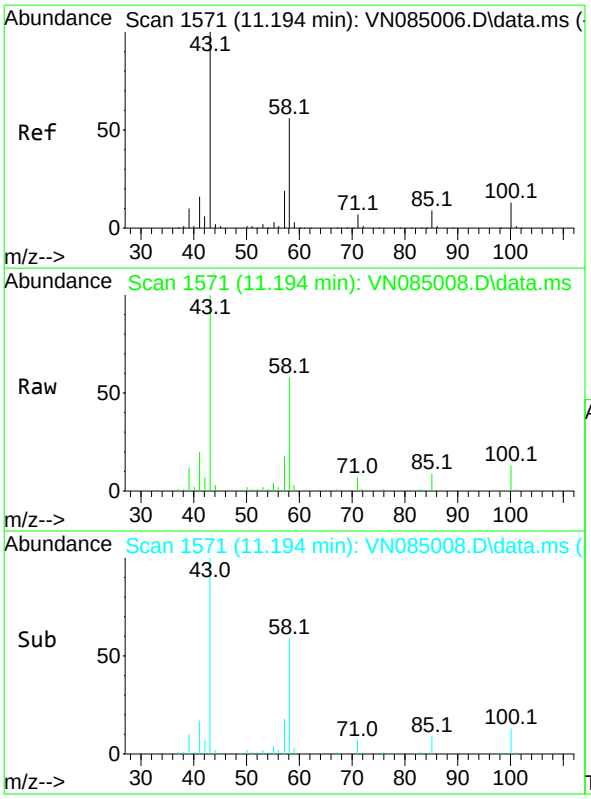


#58
2-Chloroethyl Vinyl ether
Concen: 48.207 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 63 Resp: 61252

Ion	Ratio	Lower	Upper
63	100		
106	30.3	23.0	34.6

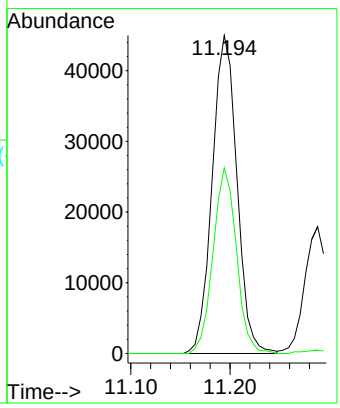




#59
2-Hexanone
Concen: 47.542 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 43 Resp: 77951

Ion	Ratio	Lower	Upper
43	100		
58	55.0	28.3	85.0



Instrument :
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ClientSampleId :
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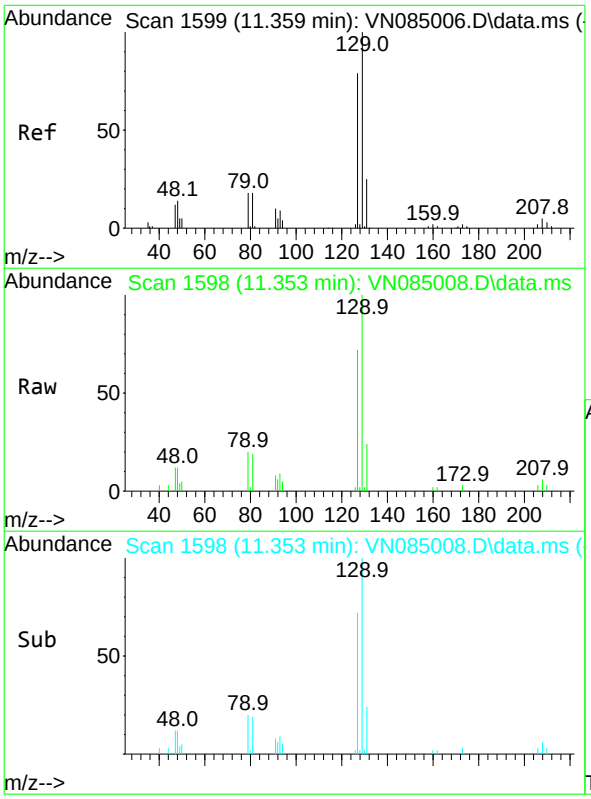
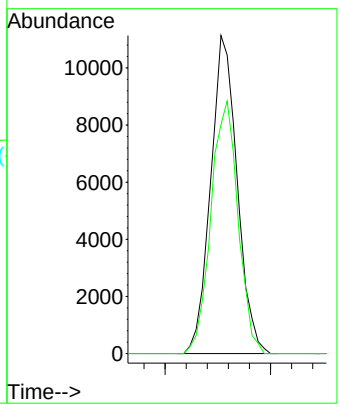
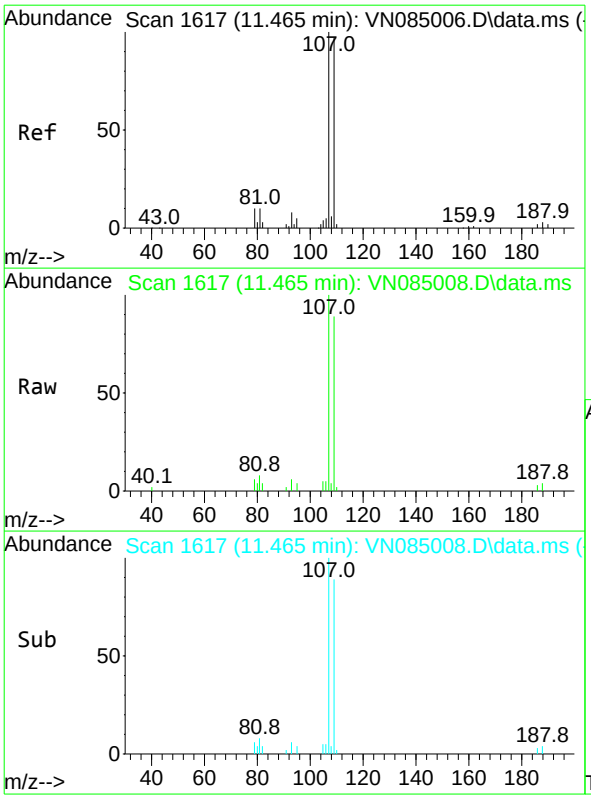


#60
Dibromochloromethane
Concen: 8.991 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:129 Resp: 19478

Ion	Ratio	Lower	Upper
129	100		
127	80.8	39.2	117.6

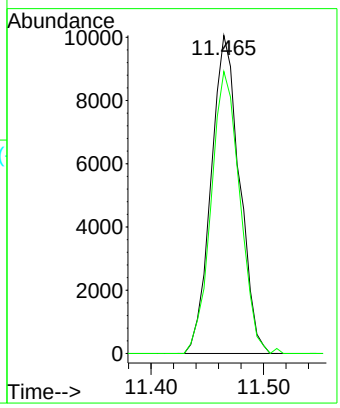




#61
1,2-Dibromoethane
Concen: 9.633 ug/l
RT: 11.465 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:107 Resp: 17673

Ion	Ratio	Lower	Upper
107	100		
109	89.8	76.1	114.1



Instrument :
MSVOA_N
ClientSampleId :
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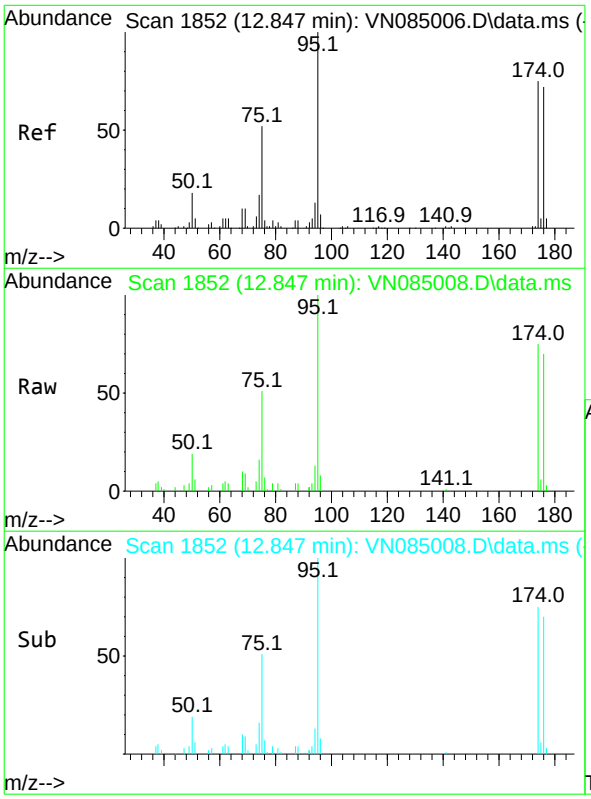
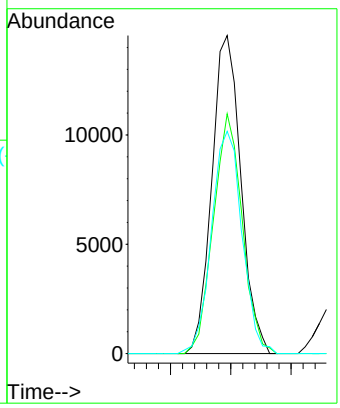
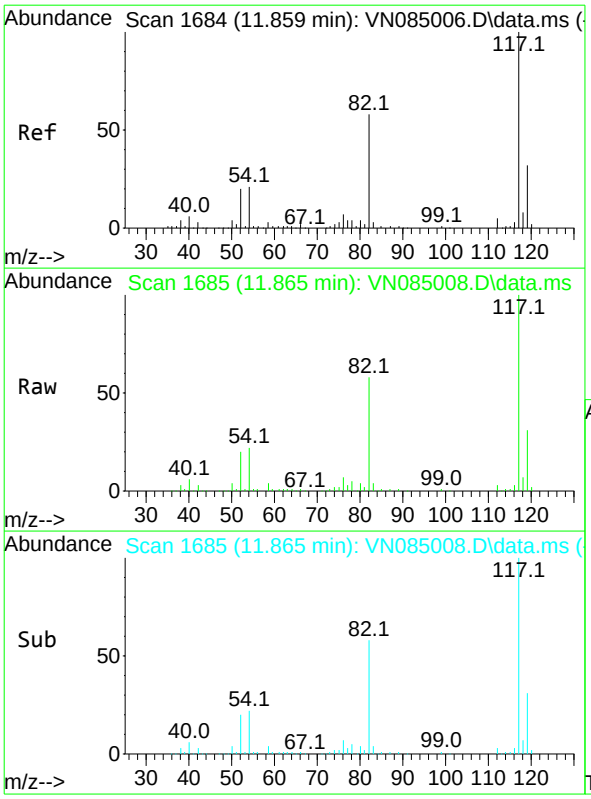


#62
4-Bromofluorobenzene
Concen: 9.691 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 95 Resp: 24371

Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	146.6
176	73.3	0.0	141.8

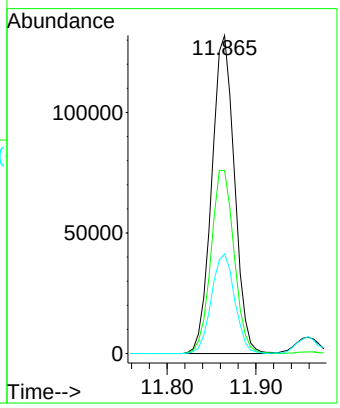




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:117 Resp: 234609

Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.0	69.0
119	31.3	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
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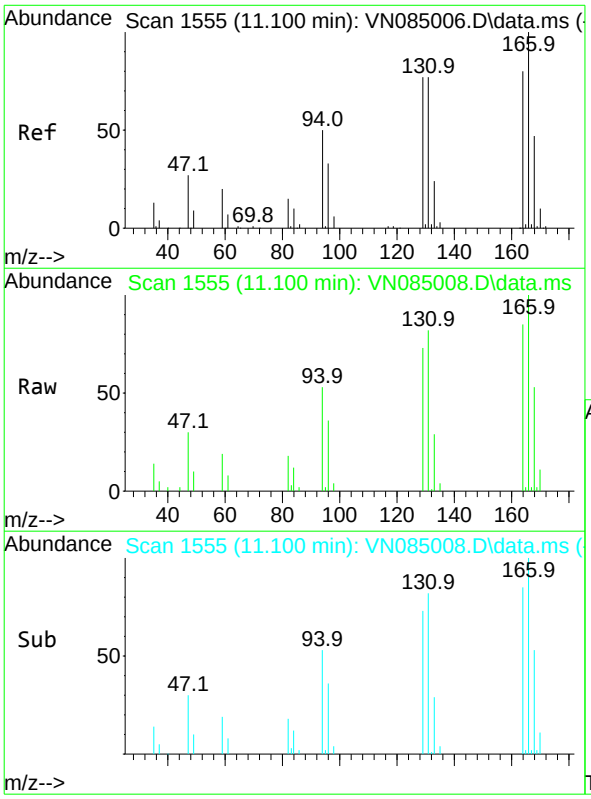
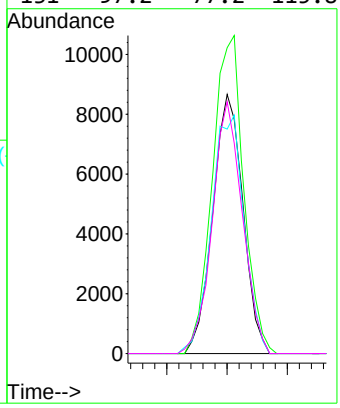
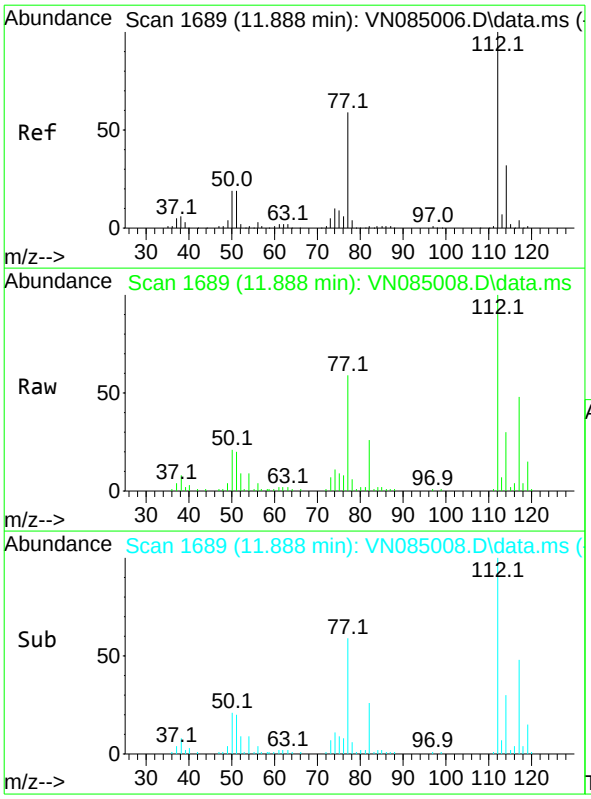


#64
Tetrachloroethene
Concen: 9.547 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:164 Resp: 15092

Ion	Ratio	Lower	Upper
164	100		
166	118.1	100.6	151.0
129	86.6	77.7	116.5
131	97.2	77.2	115.8

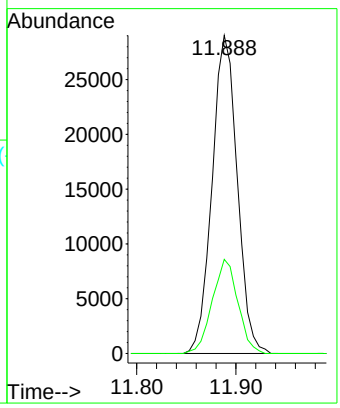




#65
Chlorobenzene
Concen: 9.605 ug/l
RT: 11.888 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:112 Resp: 51106

Ion	Ratio	Lower	Upper
112	100		
114	29.6	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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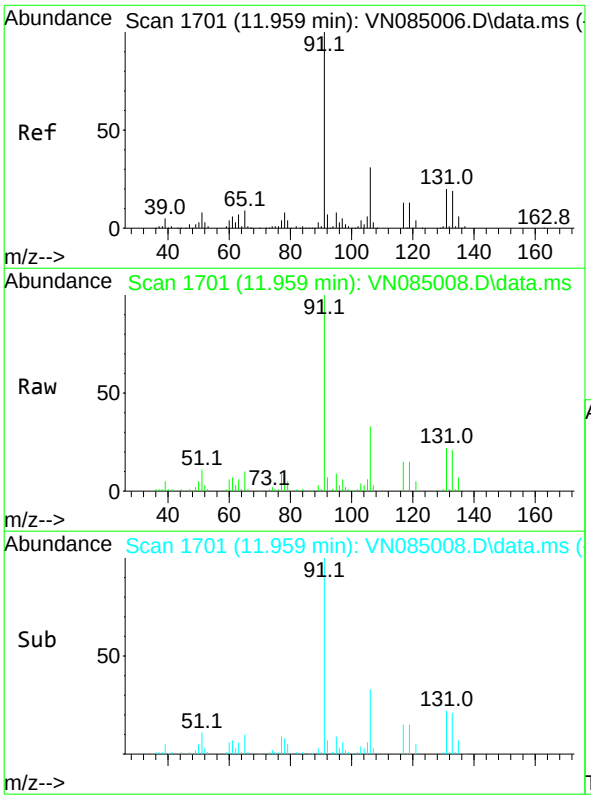
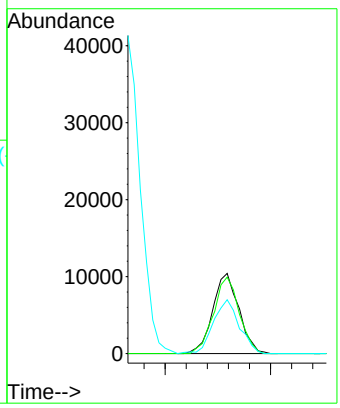
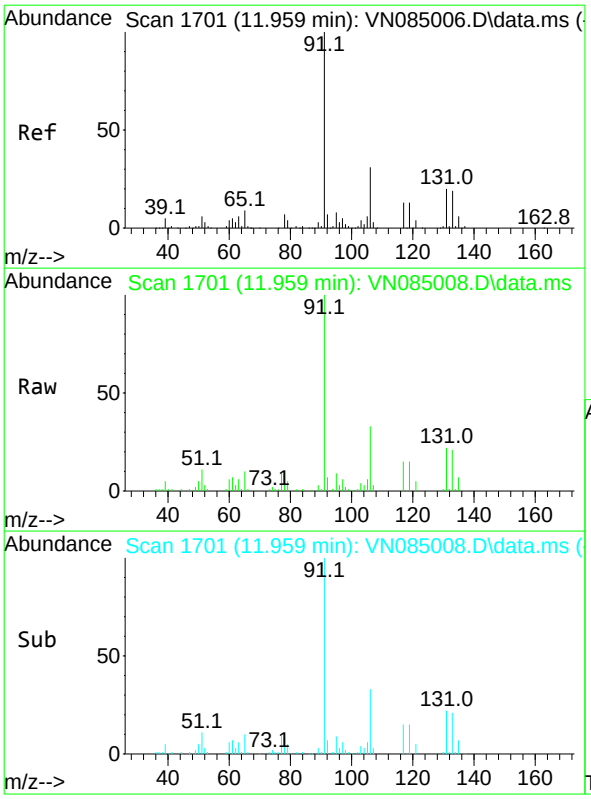


#66
1,1,1,2-Tetrachloroethane
Concen: 9.590 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:131 Resp: 17966

Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.8	143.4
119	66.8	32.1	96.3

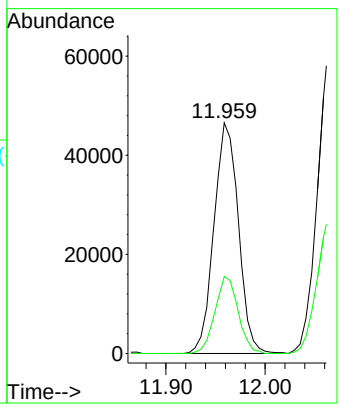




#67
Ethyl Benzene
Concen: 9.229 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 91 Resp: 79668

Ion	Ratio	Lower	Upper
91	100		
106	33.4	24.7	37.1



Instrument :
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ClientSampleId :
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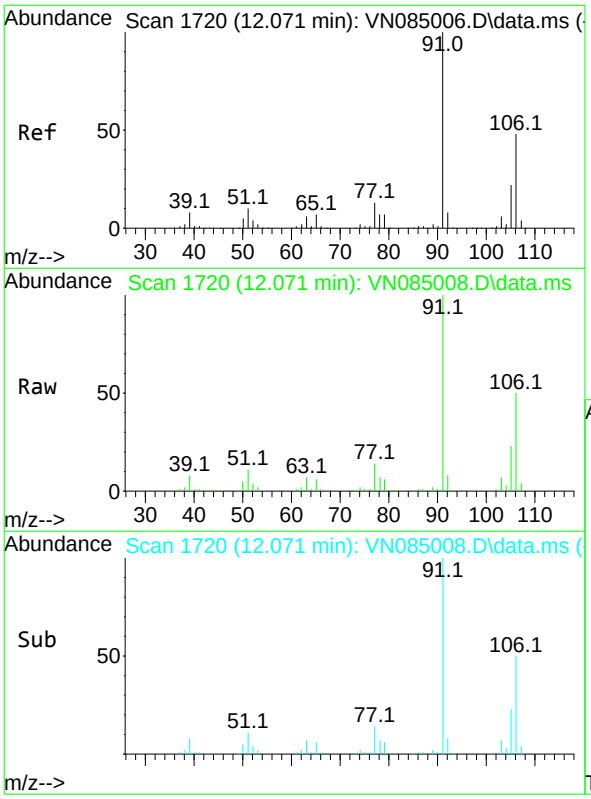
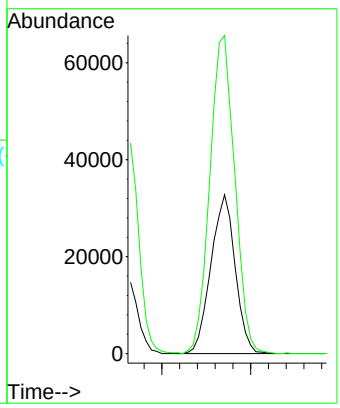
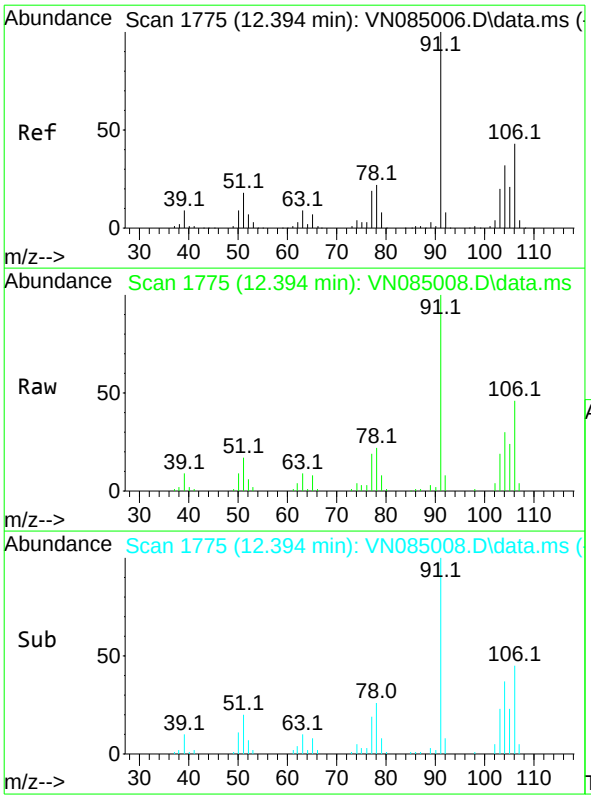


#68
m/p-Xylenes
Concen: 18.925 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:106 Resp: 62195

Ion	Ratio	Lower	Upper
106	100		
91	206.1	168.0	252.0

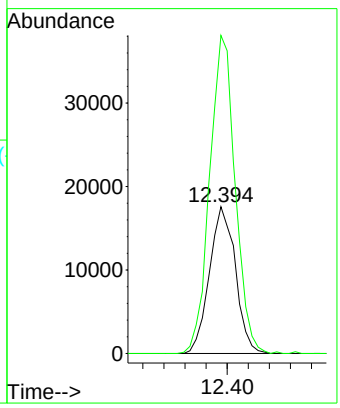




#69
o-Xylene
Concen: 9.618 ug/l
RT: 12.394 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:106 Resp: 30067

Ion	Ratio	Lower	Upper
106	100		
91	212.5	110.7	331.9



Instrument :
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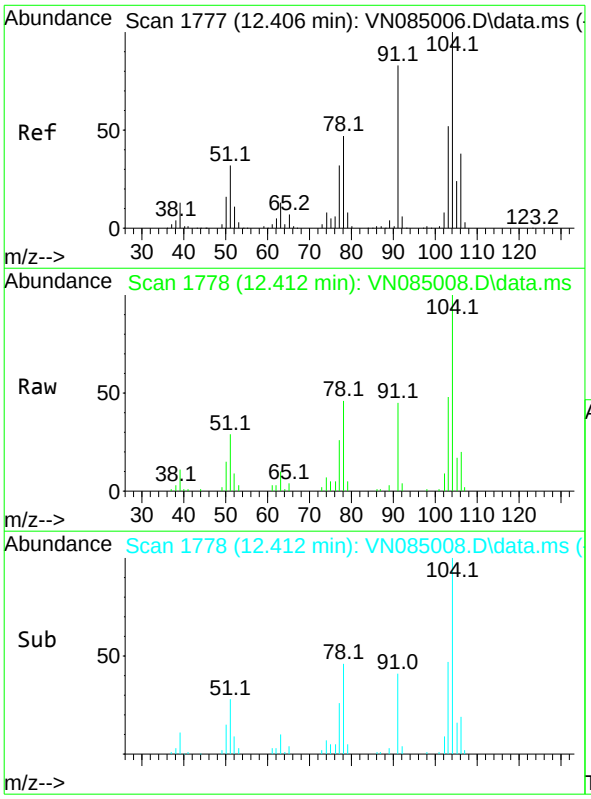
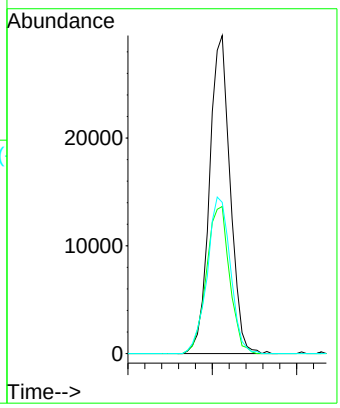
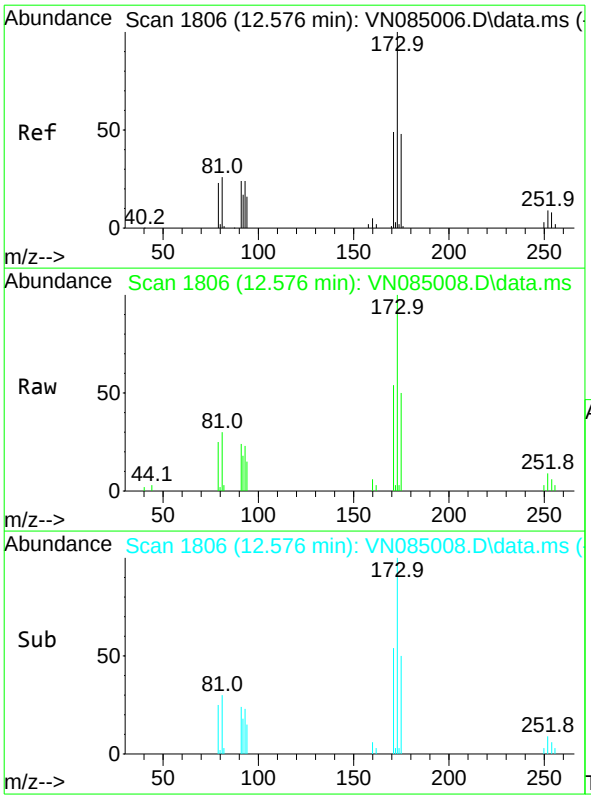


#70
Styrene
Concen: 9.647 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:104 Resp: 50150

Ion	Ratio	Lower	Upper
104	100		
78	51.8	42.3	63.5
103	55.3	44.2	66.2

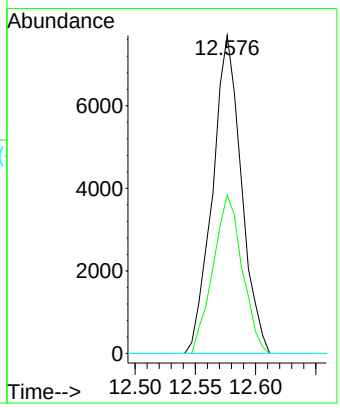




#71
Bromoform
Concen: 9.228 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:173 Resp: 12832

Ion	Ratio	Lower	Upper
173	100		
175	50.4	23.8	71.2
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
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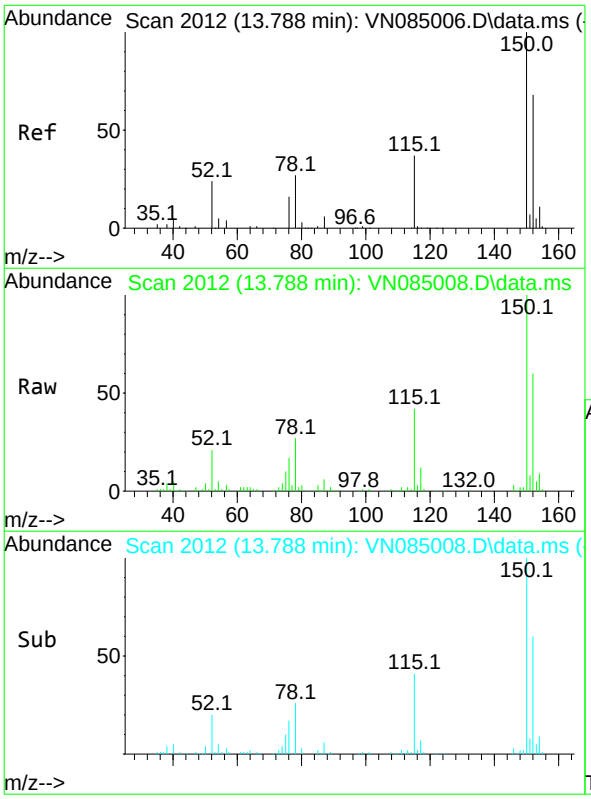
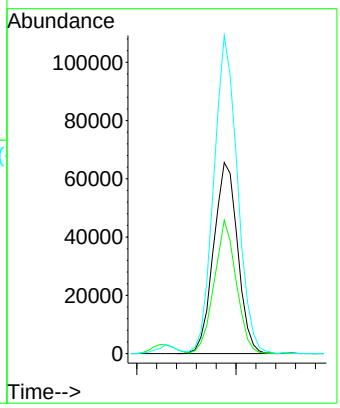
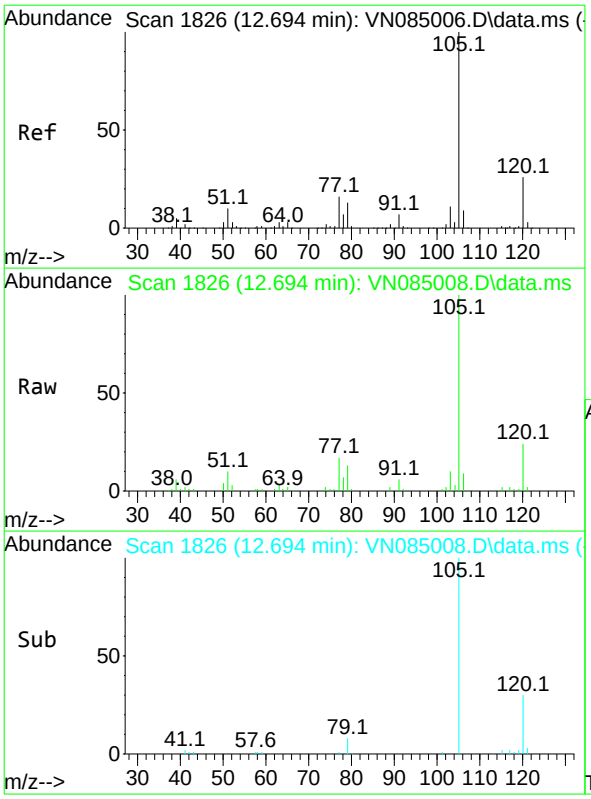


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:152 Resp: 110358

Ion	Ratio	Lower	Upper
152	100		
115	63.9	31.7	95.1
150	163.9	0.0	351.4

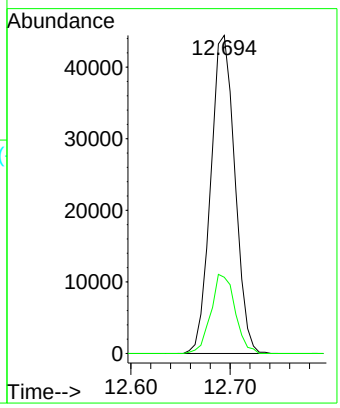




#73
Isopropylbenzene
Concen: 9.644 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:105 Resp: 75080

Ion	Ratio	Lower	Upper
105	100		
120	24.9	13.0	39.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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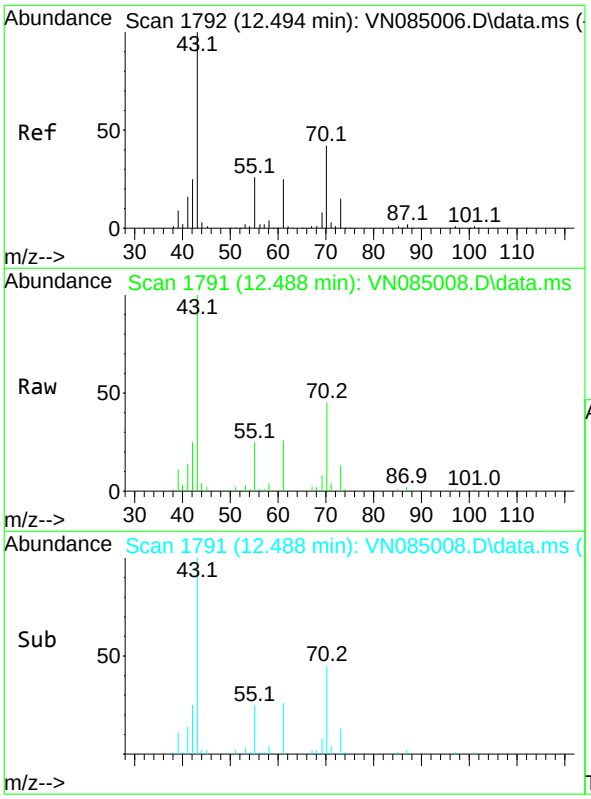
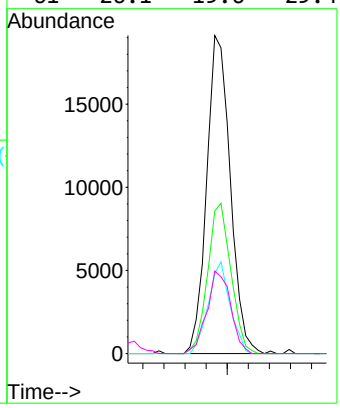
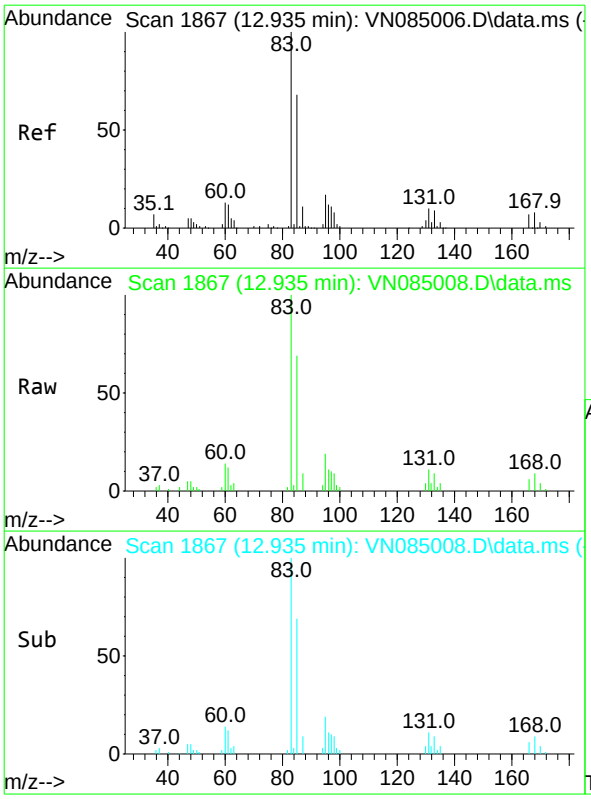


#74
N-amyl acetate
Concen: 9.292 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 43 Resp: 29811

Ion	Ratio	Lower	Upper
43	100		
70	46.4	34.6	51.8
55	26.6	20.5	30.7
61	26.1	19.6	29.4

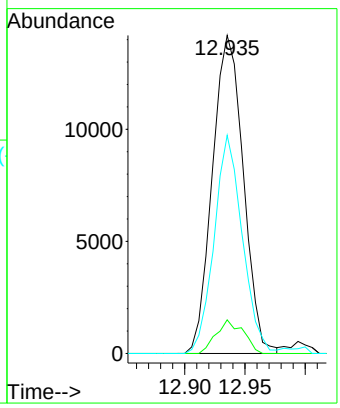




#75
1,1,2,2-Tetrachloroethane
Concen: 9.532 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 83 Resp: 25341

Ion	Ratio	Lower	Upper
83	100		
131	9.2	5.1	15.4
85	62.6	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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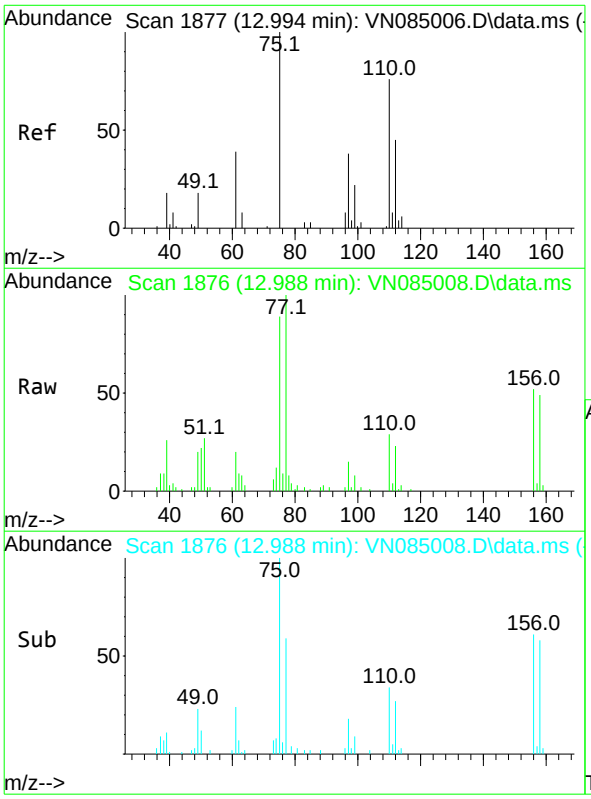
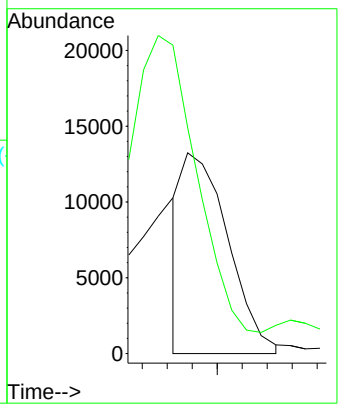
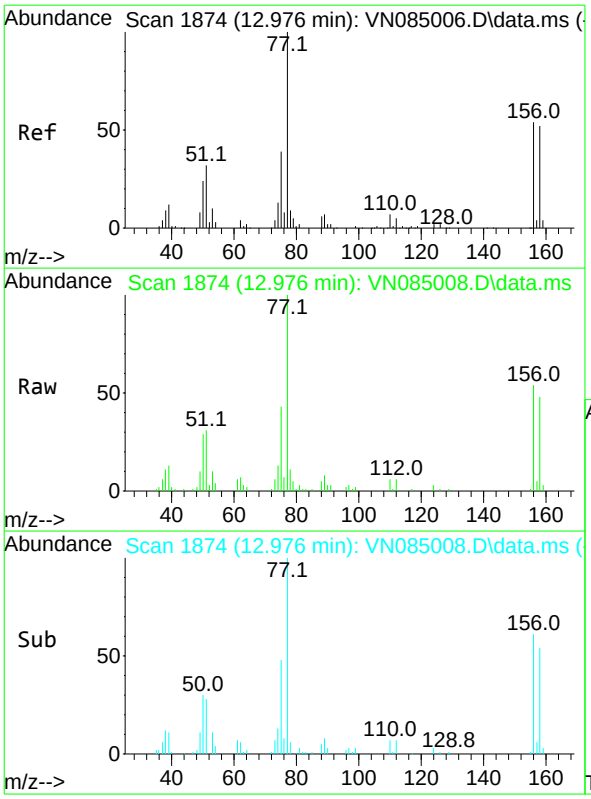


#76
1,2,3-Trichloropropane
Concen: 8.206 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 75 Resp: 16940

Ion	Ratio	Lower	Upper
75	100		
77	251.7	109.1	327.4

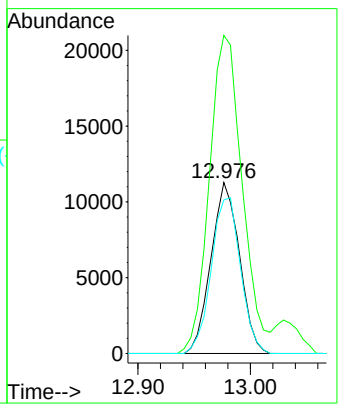




#77
Bromobenzene
Concen: 9.500 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:156 Resp: 19904

Ion	Ratio	Lower	Upper
156	100		
77	214.3	107.2	321.6
158	93.5	48.5	145.6



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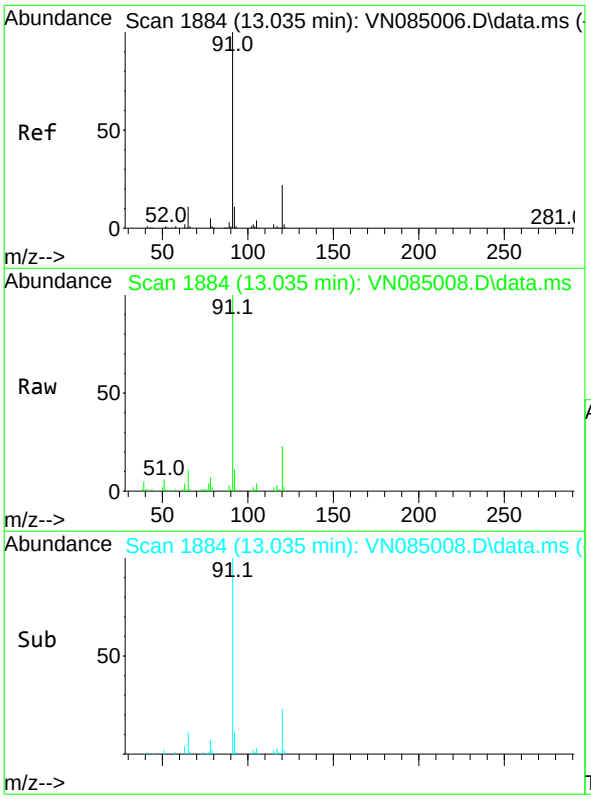
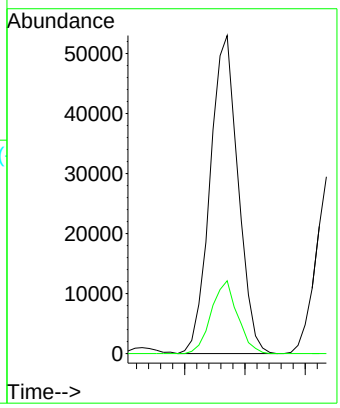
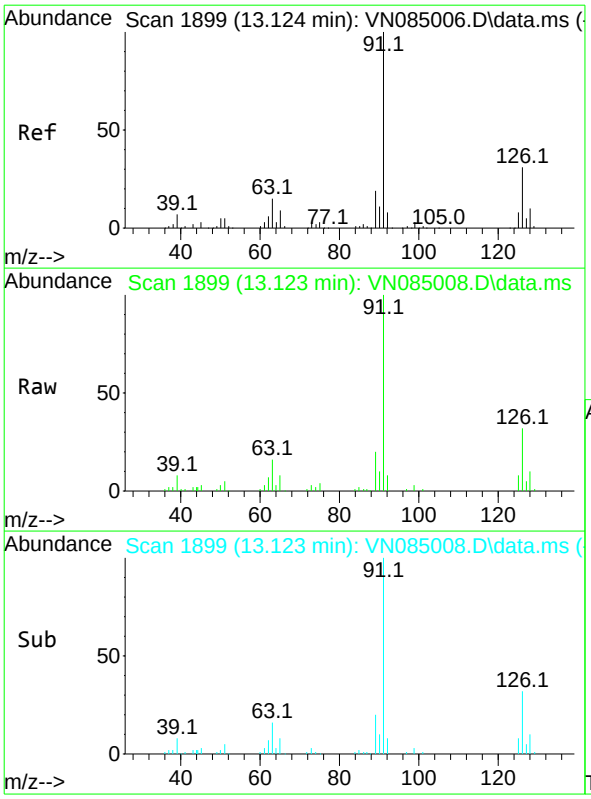


#78
n-propylbenzene
Concen: 9.537 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 91 Resp: 85642

Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.3	33.9

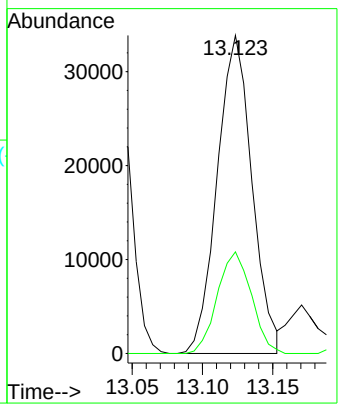




#79
2-Chlorotoluene
Concen: 9.715 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 91 Resp: 58233

Ion	Ratio	Lower	Upper
91	100		
126	31.2	16.1	48.3



Instrument :
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ClientSampleId :
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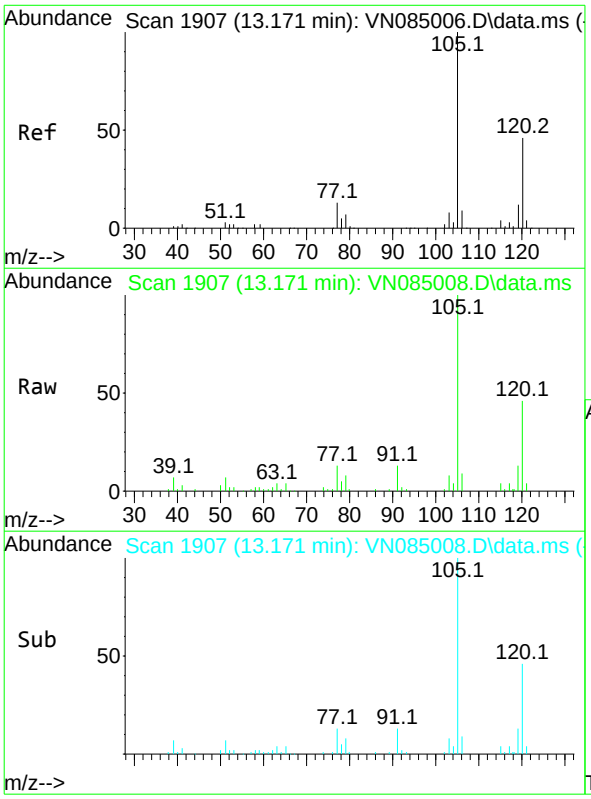
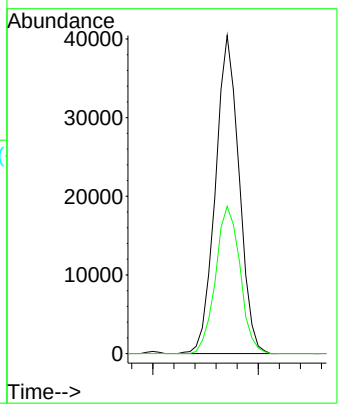
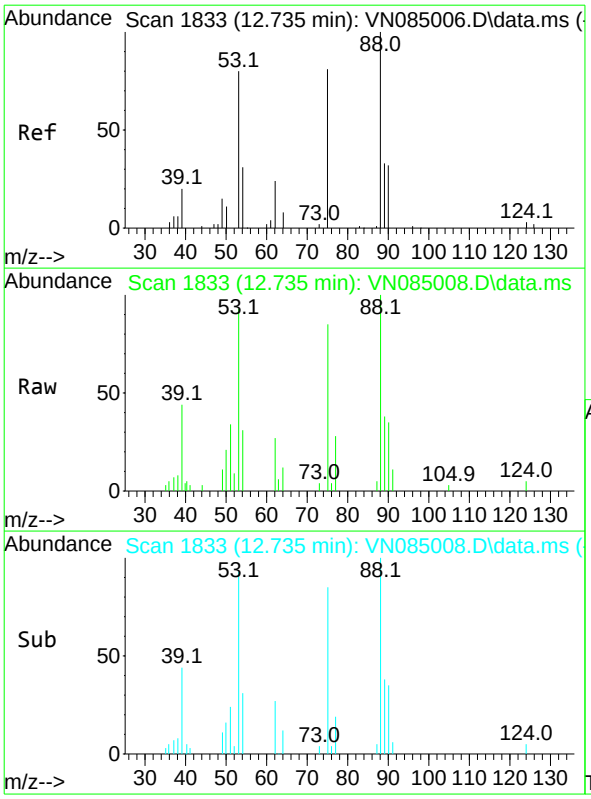


#80
1,3,5-Trimethylbenzene
Concen: 9.676 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:105 Resp: 63212

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.6	71.0

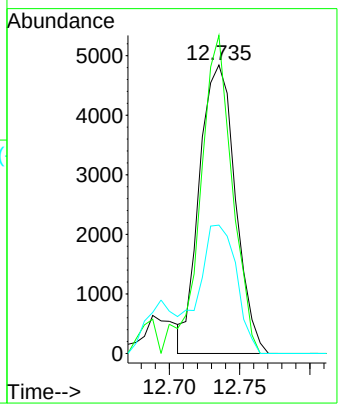




#81
trans-1,4-Dichloro-2-butene
Concen: 9.738 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 75 Resp: 8603

Ion	Ratio	Lower	Upper
75	100		
53	97.9	78.2	117.4
89	46.5	37.9	56.9



Instrument :
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ClientSampleId :
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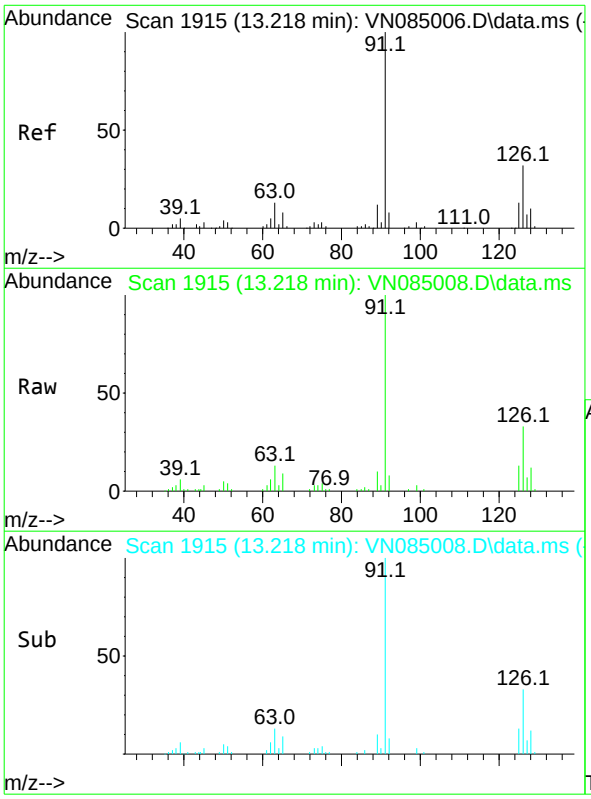
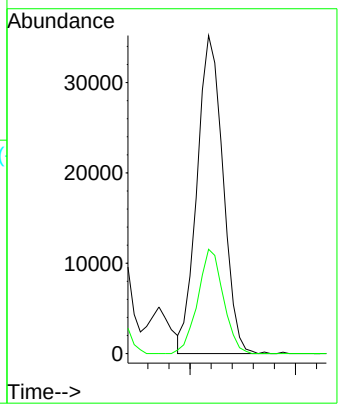
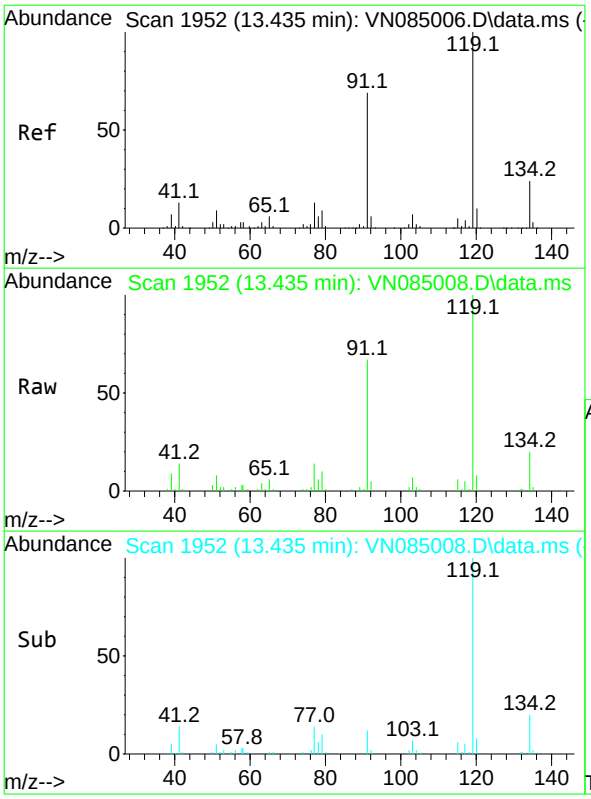


#82
4-Chlorotoluene
Concen: 9.640 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 91 Resp: 60156

Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.1	48.3

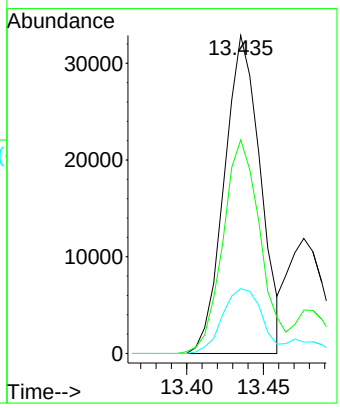




#83
tert-Butylbenzene
Concen: 9.566 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:119 Resp: 53773

Ion	Ratio	Lower	Upper
119	100		
91	69.7	35.1	105.5
134	22.7	12.1	36.3



Instrument :
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ClientSampleId :
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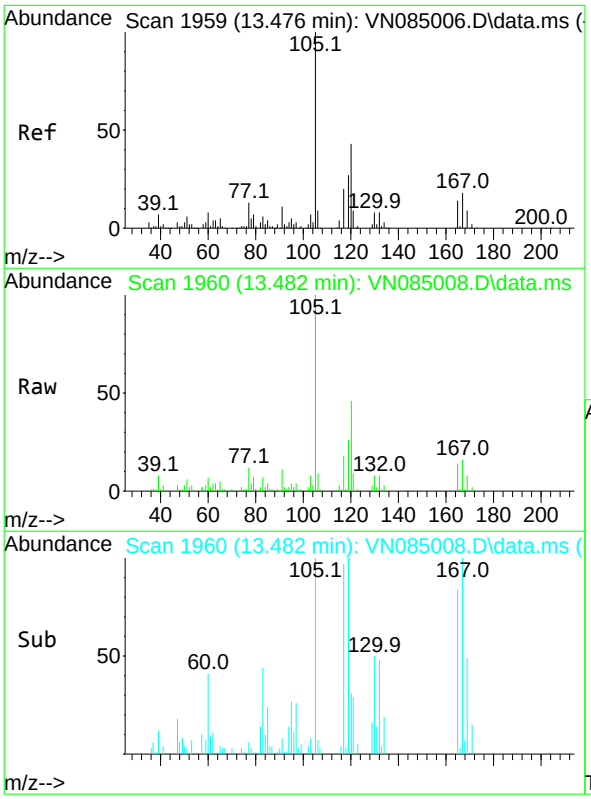
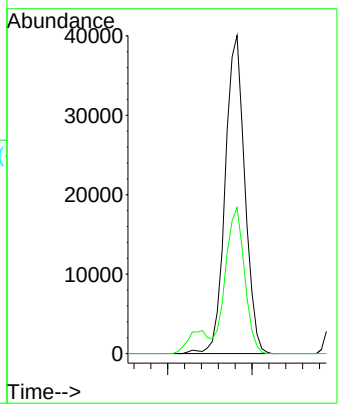
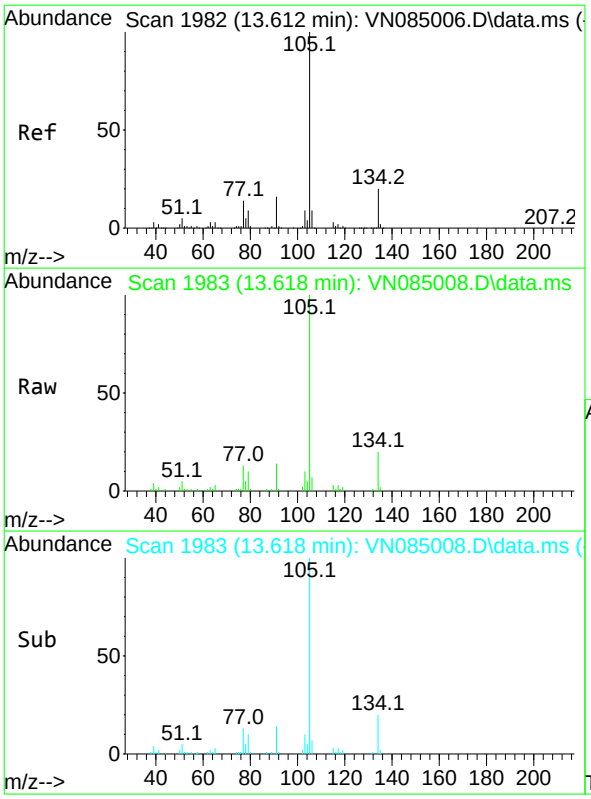


#84
1,2,4-Trimethylbenzene
Concen: 9.607 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:105 Resp: 64606

Ion	Ratio	Lower	Upper
105	100		
120	44.5	21.8	65.4

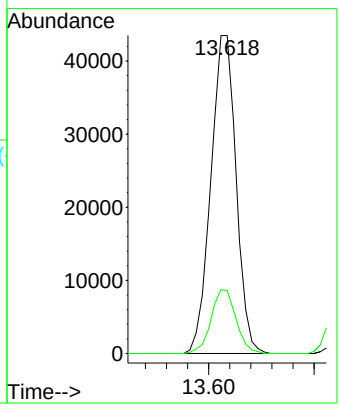




#85
sec-Butylbenzene
Concen: 9.535 ug/l
RT: 13.618 min Scan# 19
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:105 Resp: 72405

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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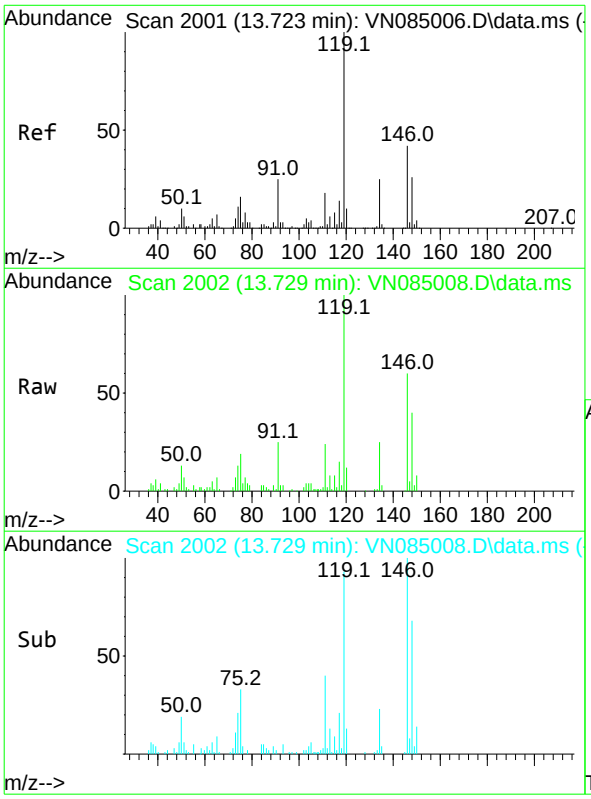
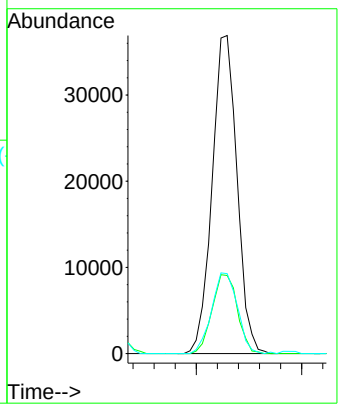
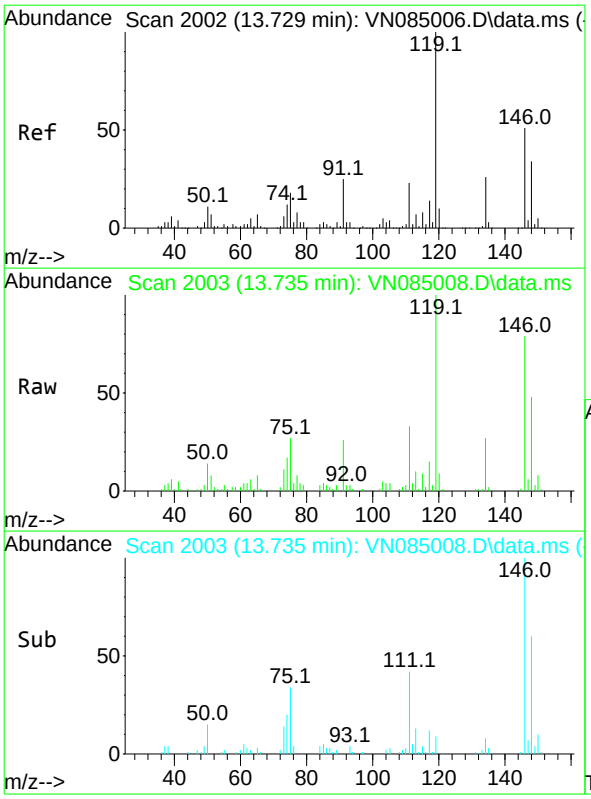


#86
p-Isopropyltoluene
Concen: 9.647 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:119 Resp: 60467

Ion	Ratio	Lower	Upper
119	100		
134	25.2	13.0	39.0
91	26.2	12.8	38.4

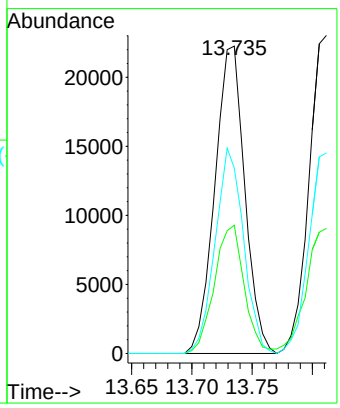




#87
1,3-Dichlorobenzene
Concen: 9.317 ug/l
RT: 13.735 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:146 Resp: 38501

Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.6	65.0
148	63.3	32.2	96.6



Instrument :
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ClientSampleId :
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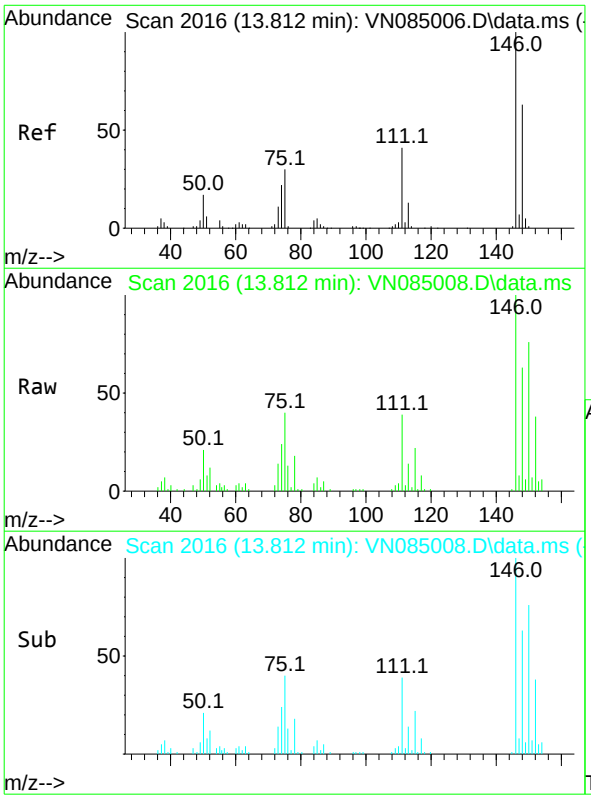
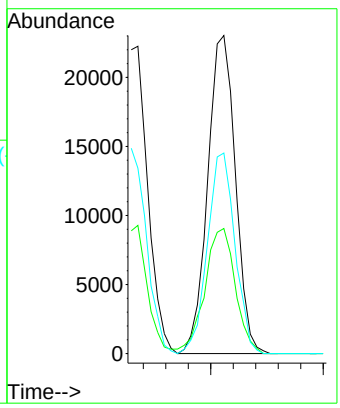
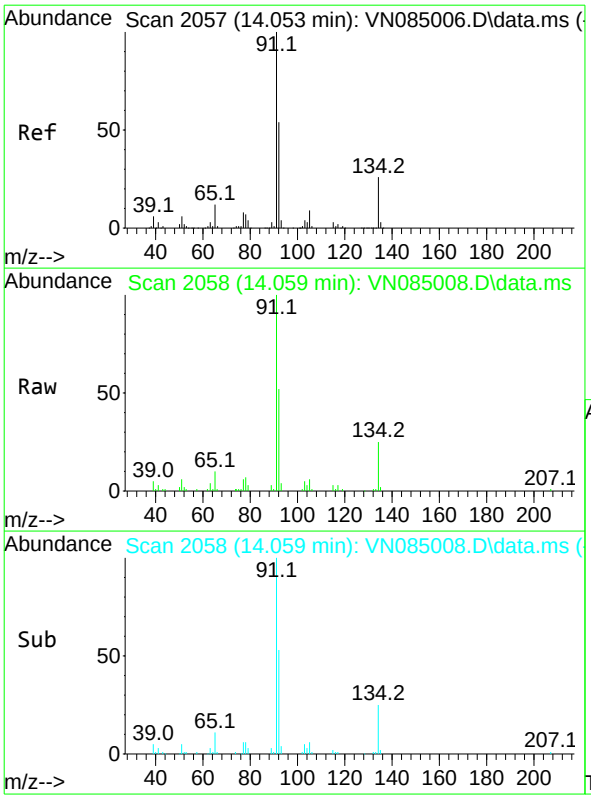


#88
1,4-Dichlorobenzene
Concen: 9.360 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:146 Resp: 39471

Ion	Ratio	Lower	Upper
146	100		
111	43.5	20.9	62.8
148	62.7	31.3	93.9

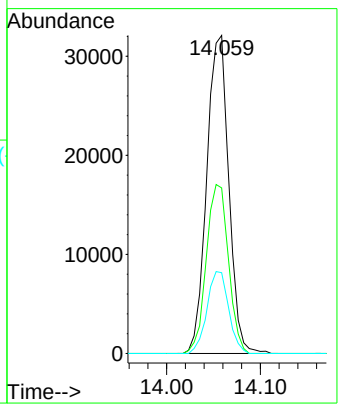




#89
n-Butylbenzene
Concen: 8.994 ug/l
RT: 14.059 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 91 Resp: 52430

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.8	80.3
134	25.3	12.8	38.4



Instrument :
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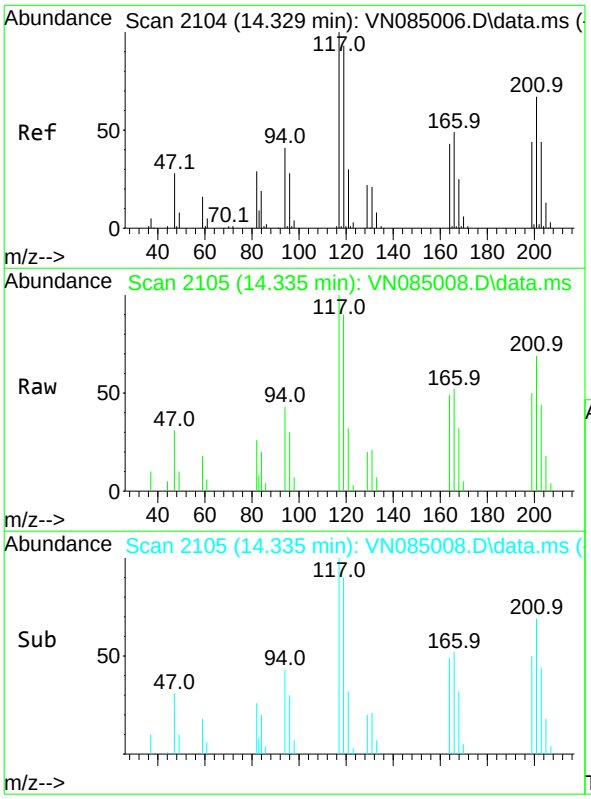
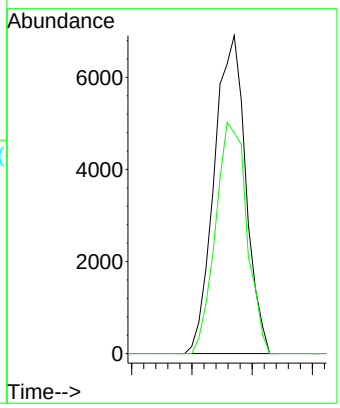
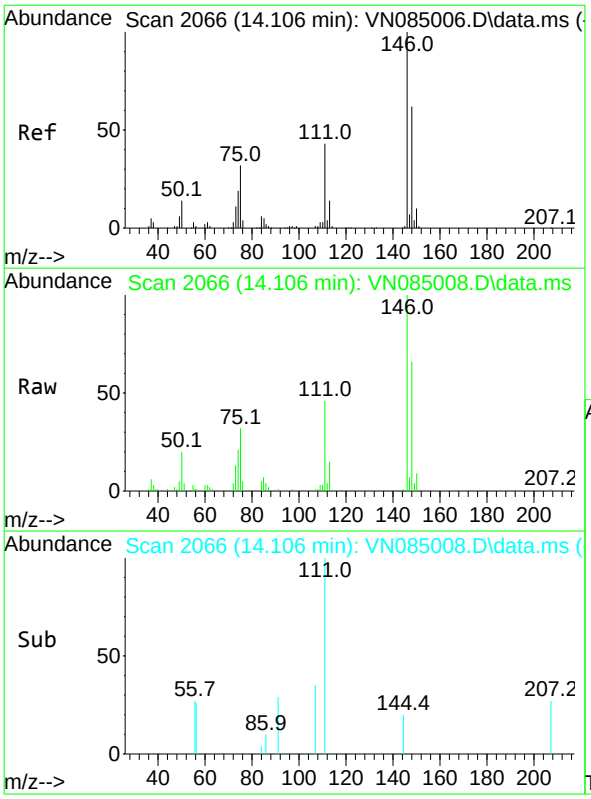


#90
Hexachloroethane
Concen: 9.179 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:117 Resp: 12541

Ion	Ratio	Lower	Upper
117	100		
201	72.3	35.2	105.6

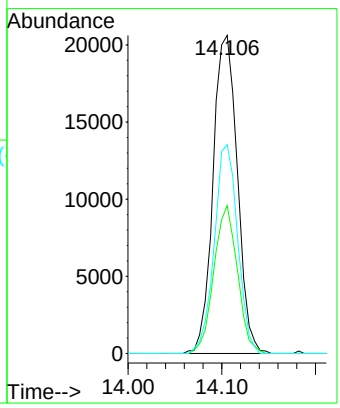




#91
1,2-Dichlorobenzene
Concen: 9.390 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:146 Resp: 37183

Ion	Ratio	Lower	Upper
146	100		
111	45.1	21.9	65.8
148	63.1	31.1	93.2



Instrument :
MSVOA_N
ClientSampleId :
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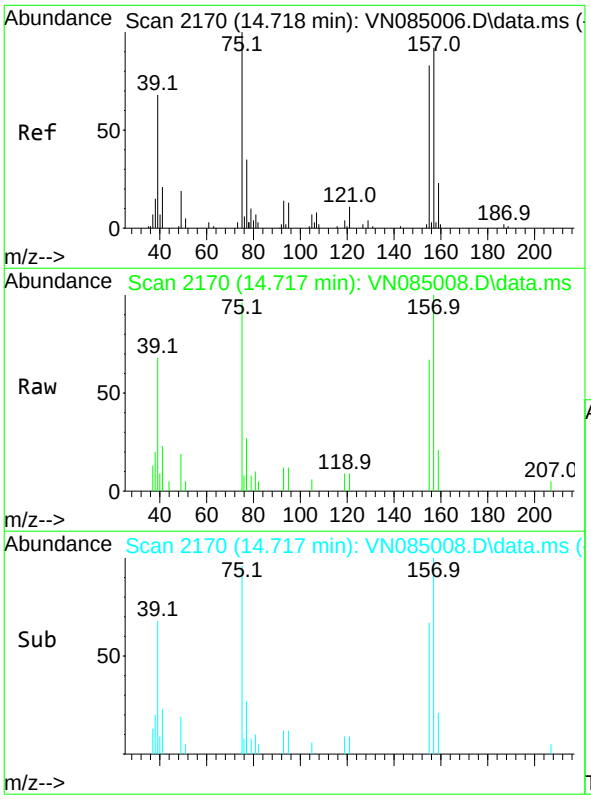
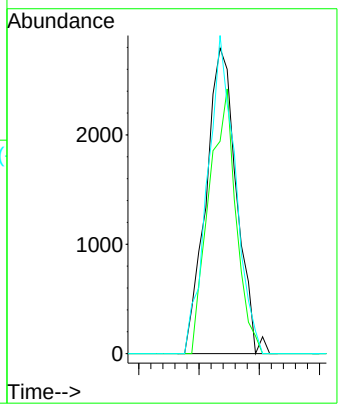
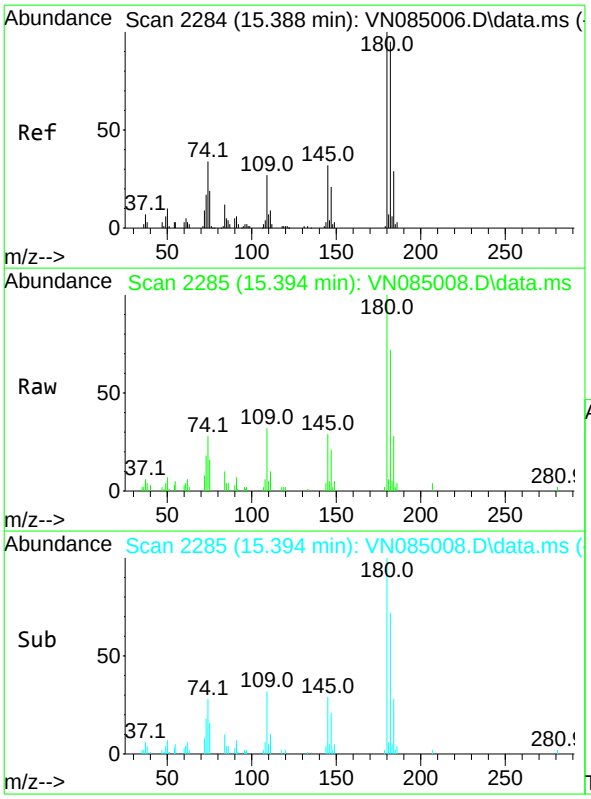


#92
1,2-Dibromo-3-Chloropropane
Concen: 9.565 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 75 Resp: 4917

Ion	Ratio	Lower	Upper
75	100		
155	76.6	38.9	116.7
157	95.3	48.3	144.9

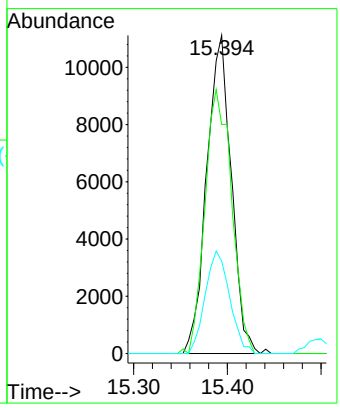




#93
1,2,4-Trichlorobenzene
Concen: 9.429 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:180 Resp: 20285

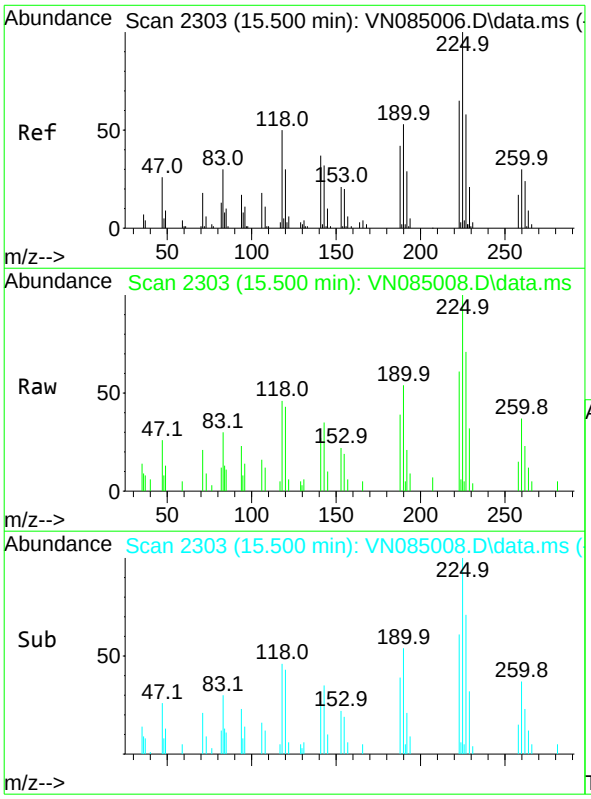
Ion	Ratio	Lower	Upper
180	100		
182	90.0	46.9	140.8
145	32.0	16.3	48.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

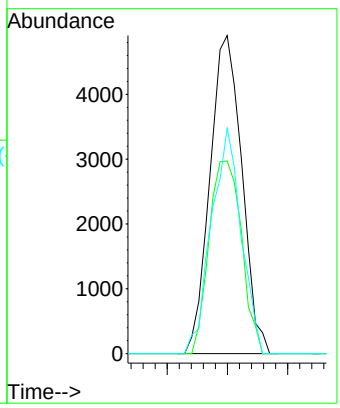
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

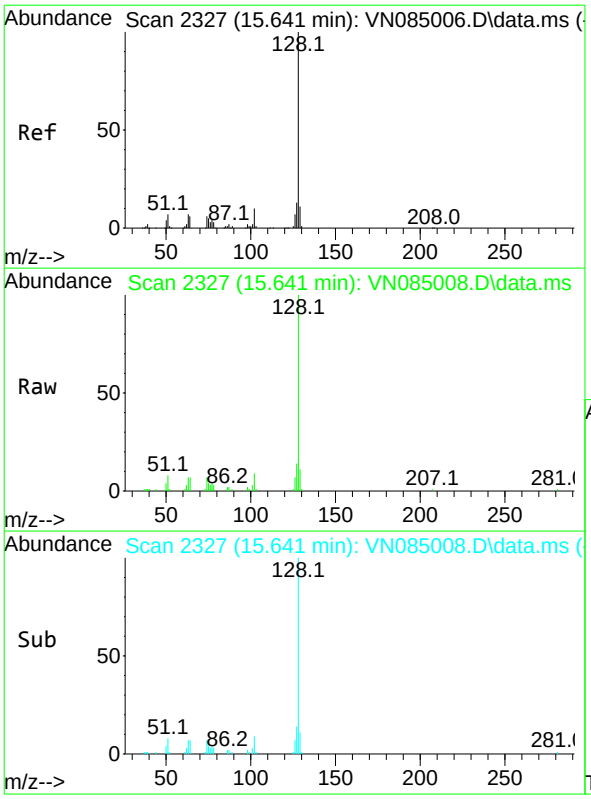


#94
Hexachlorobutadiene
Concen: 9.080 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:225 Resp: 9015

Ion	Ratio	Lower	Upper
225	100		
223	61.7	30.9	92.8
227	66.2	31.5	94.5

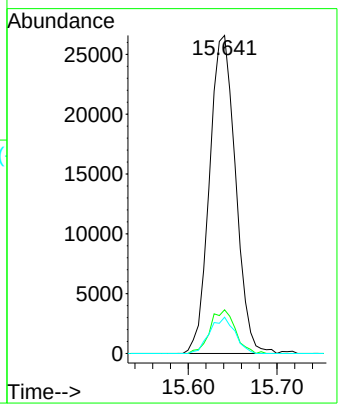




#95
Naphthalene
Concen: 8.844 ug/l
RT: 15.641 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:128 Resp: 54191

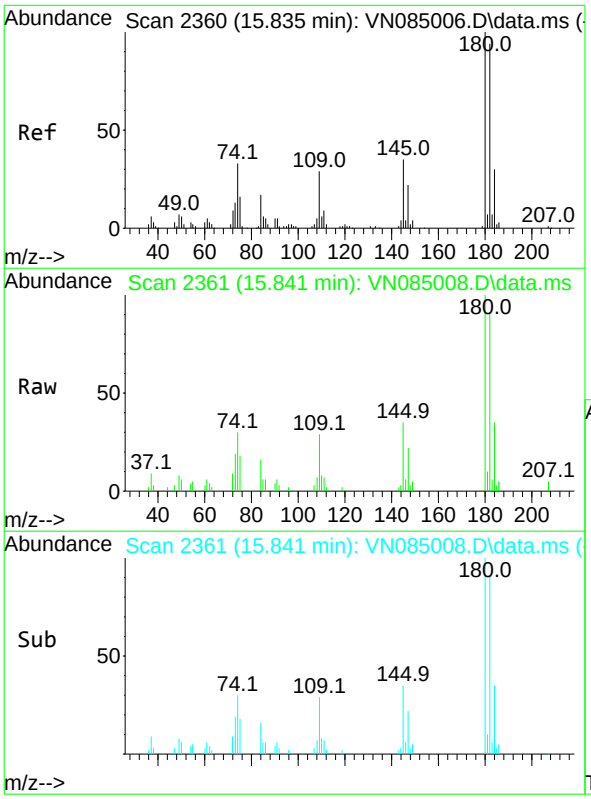
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	11.0	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

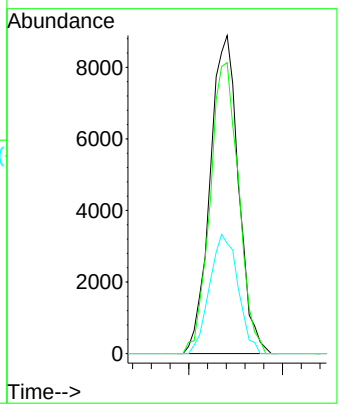
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#96
1,2,3-Trichlorobenzene
Concen: 9.132 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:180 Resp: 18745

Ion	Ratio	Lower	Upper
180	100		
182	91.9	46.4	139.2
145	37.3	17.3	52.0



ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085009.D
Acq On : 22 Nov 2024 12:57
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 23 02:01:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.218	168	165285	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.094	114	280025	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.864	117	235767	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	108389	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.571	65	11977	5.087	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.180%#			
35) Dibromofluoromethane	8.159	113	9597	5.082	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.160%#			
50) Toluene-d8	10.559	98	32318	4.775	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.560%#			
62) 4-Bromofluorobenzene	12.847	95	12715	5.024	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	10.040%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	9758	5.221	ug/l		91
3) Chloromethane	2.359	50	10967	5.059	ug/l		97
4) Vinyl Chloride	2.512	62	10043	5.155	ug/l		92
5) Bromomethane	2.900	94	6052	5.543	ug/l		98
6) Chloroethane	3.059	64	6721	5.119	ug/l		93
7) Trichlorofluoromethane	3.465	101	17204	5.192	ug/l		98
8) Diethyl Ether	3.947	74	5696	5.050	ug/l		95
9) 1,1,2-Trichlorotrifluo...	4.353	101	9518	5.064	ug/l		98
10) Methyl Iodide	4.577	142	12631	5.077	ug/l		96
11) Tert butyl alcohol	5.541	59	9684	30.780	ug/l	#	89
12) 1,1-Dichloroethene	4.318	96	8977	5.117	ug/l	#	92
13) Acrolein	4.177	56	4745	22.602	ug/l		95
14) Allyl chloride	5.006	41	14439	4.882	ug/l		97
15) Acrylonitrile	5.712	53	22627	25.403	ug/l		96
16) Acetone	4.430	43	16131	23.525	ug/l		93
17) Carbon Disulfide	4.694	76	26272	5.074	ug/l	#	87
18) Methyl Acetate	5.018	43	14139	5.429	ug/l		98
19) Methyl tert-butyl Ether	5.800	73	27679	4.829	ug/l		95
20) Methylene Chloride	5.271	84	10410	4.975	ug/l	#	88
21) trans-1,2-Dichloroethene	5.765	96	9388	5.085	ug/l		99
22) Diisopropyl ether	6.659	45	30018	5.043	ug/l		97
23) Vinyl Acetate	6.594	43	97507	23.745	ug/l		96
24) 1,1-Dichloroethane	6.559	63	18044	5.066	ug/l		97
25) 2-Butanone	7.482	43	27100	24.174	ug/l		98
26) 2,2-Dichloropropane	7.482	77	16525	4.968	ug/l		99
27) cis-1,2-Dichloroethene	7.482	96	11250	5.055	ug/l		96
28) Bromochloromethane	7.806	49	6592	4.903	ug/l	#	98
29) Tetrahydrofuran	7.841	42	17501	25.104	ug/l		99
30) Chloroform	7.959	83	18837	4.971	ug/l		91
31) Cyclohexane	8.247	56	18036	5.751	ug/l		97
32) 1,1,1-Trichloroethane	8.165	97	16611	4.851	ug/l		97
36) 1,1-Dichloropropene	8.371	75	13147	5.140	ug/l		98
37) Ethyl Acetate	7.553	43	11891	5.114	ug/l	#	79
38) Carbon Tetrachloride	8.359	117	14827	5.022	ug/l		96
39) Methylcyclohexane	9.594	83	13143	4.945	ug/l		95
40) Benzene	8.600	78	40657	5.026	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085009.D
Acq On : 22 Nov 2024 12:57
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 23 02:01:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.782	41	5687	4.417 ug/l	93
42) 1,2-Dichloroethane	8.671	62	14824	5.356 ug/l	99
43) Isopropyl Acetate	8.688	43	23894	4.947 ug/l	95
44) Trichloroethene	9.347	130	9711	5.165 ug/l	100
45) 1,2-Dichloropropane	9.618	63	9859	4.948 ug/l	99
46) Dibromomethane	9.706	93	6962	5.028 ug/l	98
47) Bromodichloromethane	9.888	83	14562	4.962 ug/l #	96
48) Methyl methacrylate	9.676	41	8840	4.918 ug/l	94
49) 1,4-Dioxane	9.694	88	2953	94.738 ug/l #	83
51) 4-Methyl-2-Pentanone	10.441	43	55176	25.010 ug/l	100
52) Toluene	10.629	92	24051	5.022 ug/l	98
53) t-1,3-Dichloropropene	10.835	75	13412	4.559 ug/l	91
54) cis-1,3-Dichloropropene	10.312	75	14917	4.779 ug/l	95
55) 1,1,2-Trichloroethane	11.017	97	8791	4.928 ug/l	96
56) Ethyl methacrylate	10.876	69	12004	4.605 ug/l	93
57) 1,3-Dichloropropane	11.159	76	15736	5.012 ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	27177	21.254 ug/l	100
59) 2-Hexanone	11.194	43	41641	25.237 ug/l	95
60) Dibromochloromethane	11.359	129	10844	4.974 ug/l	98
61) 1,2-Dibromoethane	11.465	107	9468	5.128 ug/l	96
64) Tetrachloroethene	11.100	164	8826	5.556 ug/l	89
65) Chlorobenzene	11.888	112	26717	4.997 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	9904	5.261 ug/l	96
67) Ethyl Benzene	11.959	91	42642	4.916 ug/l	96
68) m/p-Xylenes	12.070	106	31421	9.514 ug/l	99
69) o-Xylene	12.400	106	14935	4.754 ug/l	98
70) Styrene	12.412	104	24480	4.686 ug/l	99
71) Bromoform	12.576	173	7040	5.038 ug/l #	100
73) Isopropylbenzene	12.694	105	37544	4.910 ug/l	97
74) N-amyl acetate	12.494	43	14995	4.759 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	13341	5.109 ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	8907m	4.393 ug/l	
77) Bromobenzene	12.976	156	10485	5.095 ug/l	94
78) n-propylbenzene	13.035	91	43493	4.931 ug/l	99
79) 2-Chlorotoluene	13.123	91	29037	4.932 ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	30809	4.802 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	4774	5.502 ug/l #	88
82) 4-Chlorotoluene	13.217	91	30558	4.986 ug/l	97
83) tert-Butylbenzene	13.435	119	26485	4.797 ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	31328	4.743 ug/l	98
85) sec-Butylbenzene	13.611	105	35183	4.718 ug/l	99
86) p-Isopropyltoluene	13.729	119	28019	4.551 ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	21043	5.185 ug/l	96
88) 1,4-Dichlorobenzene	13.806	146	22041	5.322 ug/l	93
89) n-Butylbenzene	14.053	91	27093	4.732 ug/l	99
90) Hexachloroethane	14.329	117	6869	5.119 ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	19670	5.058 ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.711	75	2703	5.353 ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	10547	4.992 ug/l	98
94) Hexachlorobutadiene	15.494	225	5141	5.272 ug/l	96
95) Naphthalene	15.641	128	29077	4.832 ug/l	97
96) 1,2,3-Trichlorobenzene	15.835	180	10042	4.981 ug/l	94

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085009.D
Acq On : 22 Nov 2024 12:57
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 23 02:01:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

ICAL Form

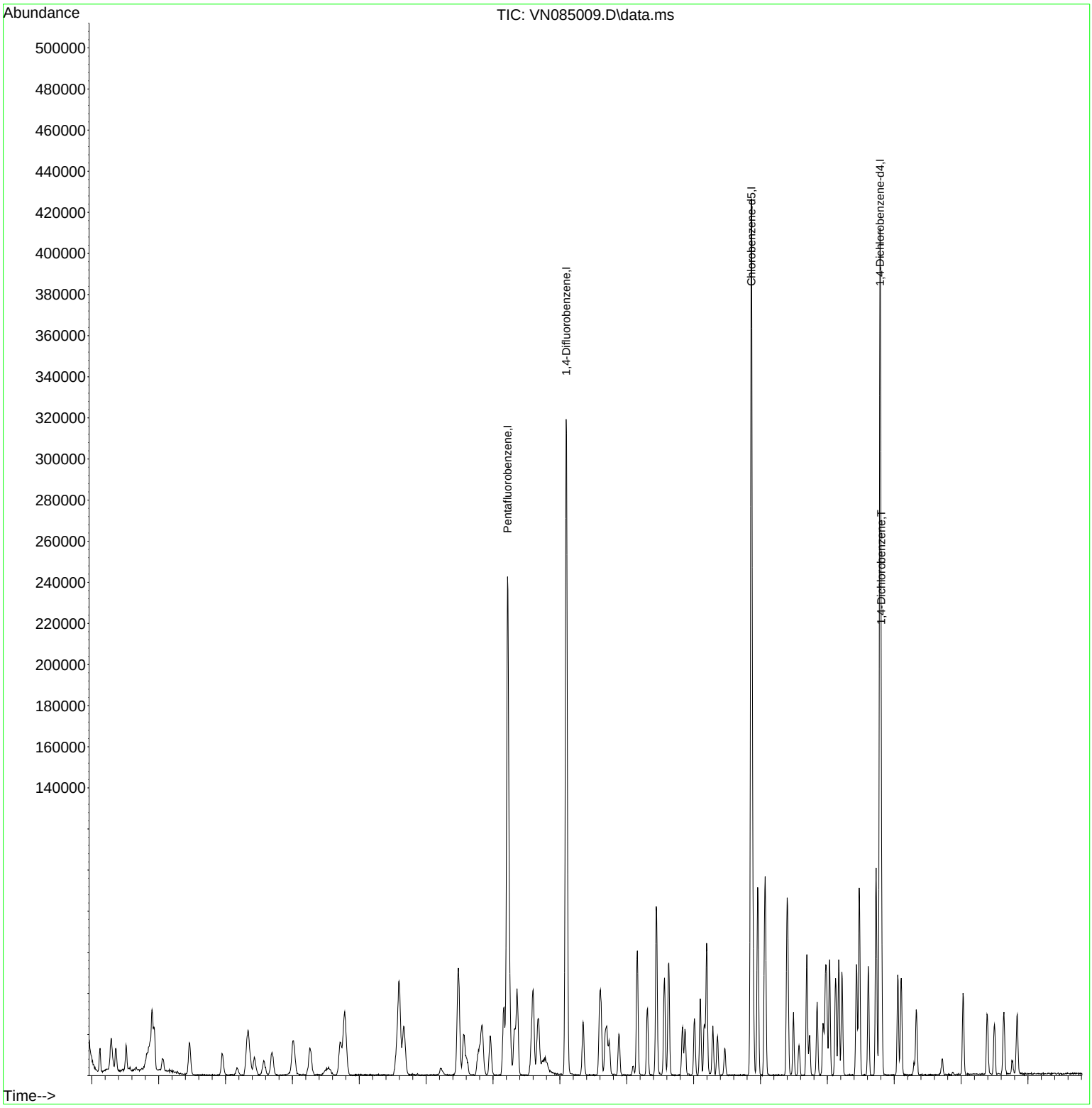
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085009.D
Acq On : 22 Nov 2024 12:57
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

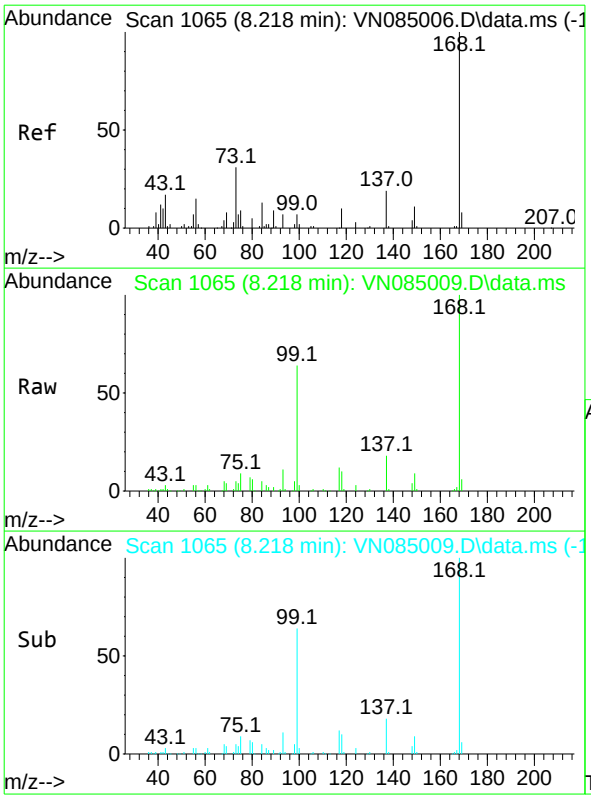
Quant Time: Nov 23 02:01:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

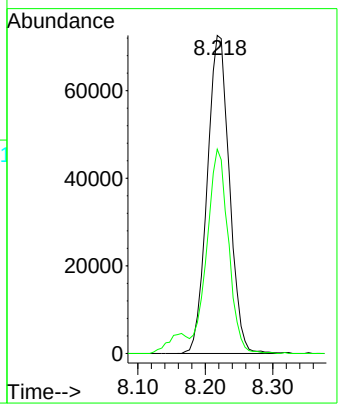




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:168 Resp: 165285

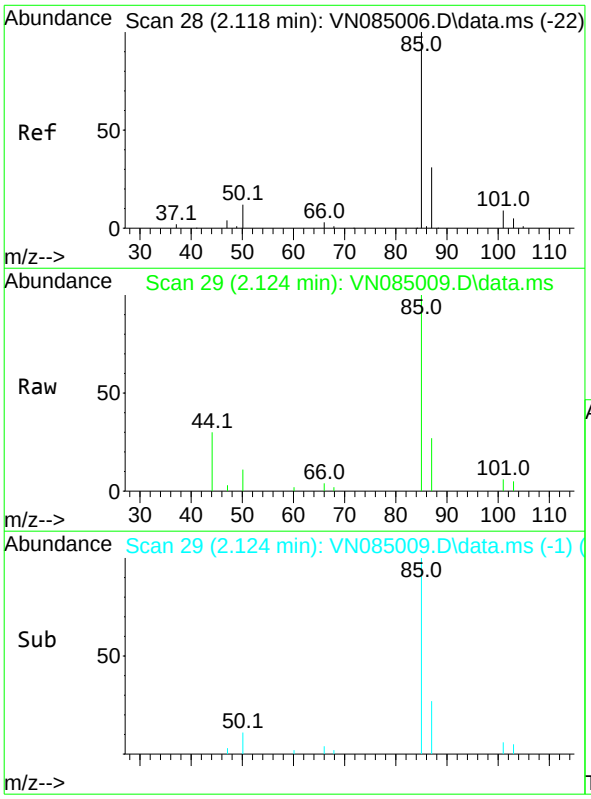
Ion	Ratio	Lower	Upper
168	100		
99	64.2	51.2	76.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

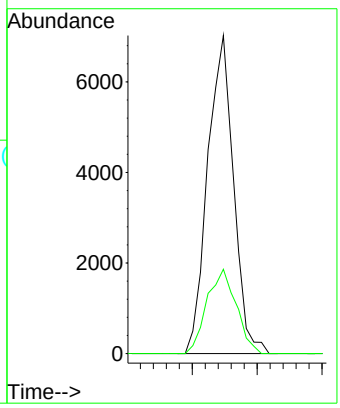
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

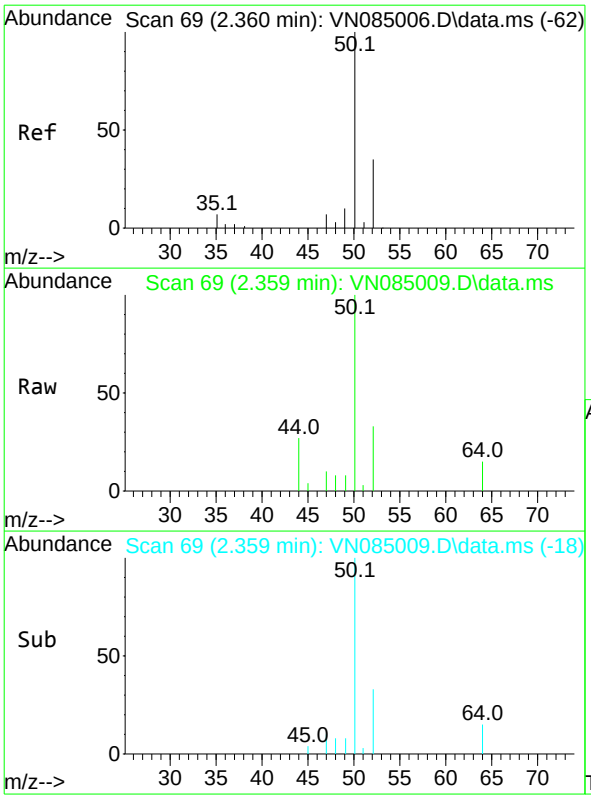


#2
Dichlorodifluoromethane
Concen: 5.221 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 85 Resp: 9758

Ion	Ratio	Lower	Upper
85	100		
87	26.5	15.7	47.1

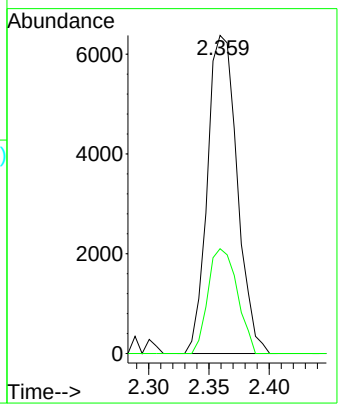




#3
Chloromethane
Concen: 5.059 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 50 Resp: 10967

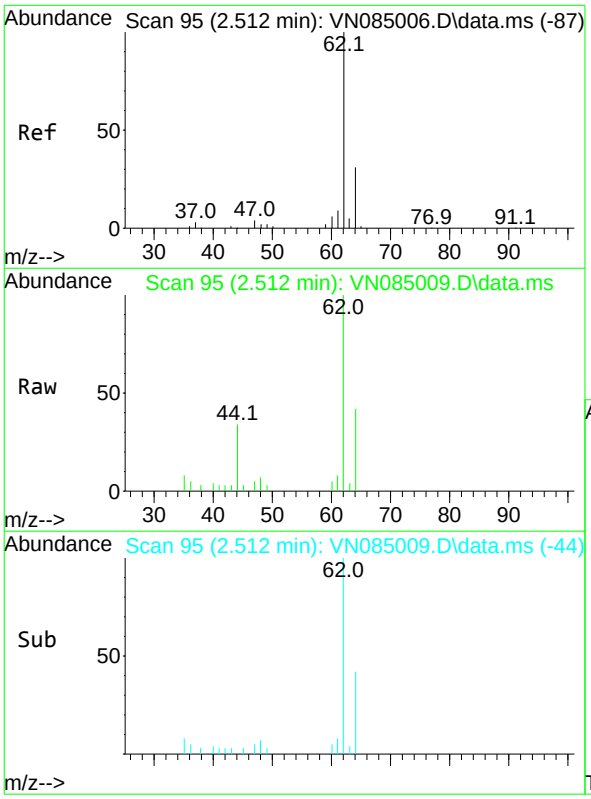
Ion	Ratio	Lower	Upper
50	100		
52	33.0	27.8	41.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

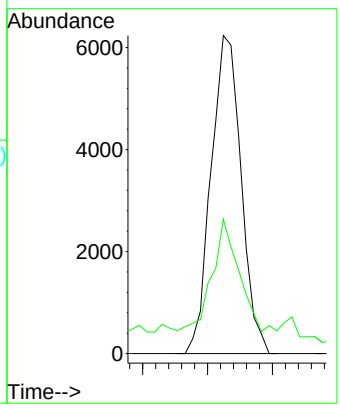
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

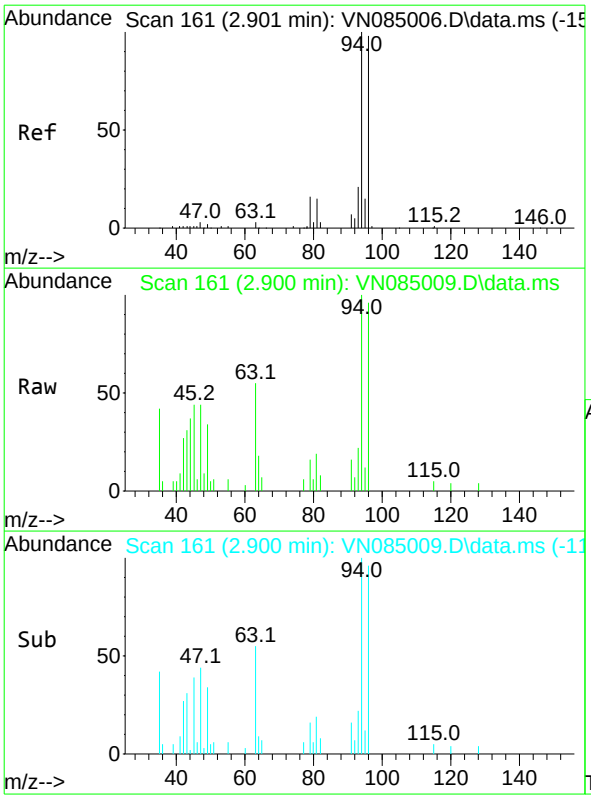


#4
Vinyl Chloride
Concen: 5.155 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 62 Resp: 10043

Ion	Ratio	Lower	Upper
62	100		
64	35.1	24.6	36.8

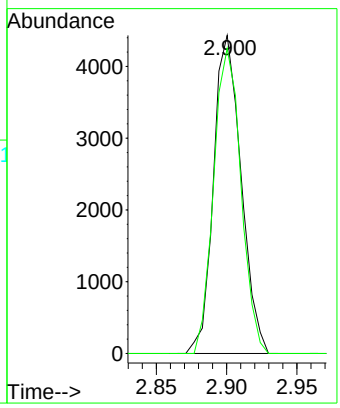




#5
Bromomethane
Concen: 5.543 ug/l
RT: 2.900 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 94 Resp: 6052

Ion	Ratio	Lower	Upper
94	100		
96	95.9	78.7	118.1



Instrument :
MSVOA_N
ClientSampleId :
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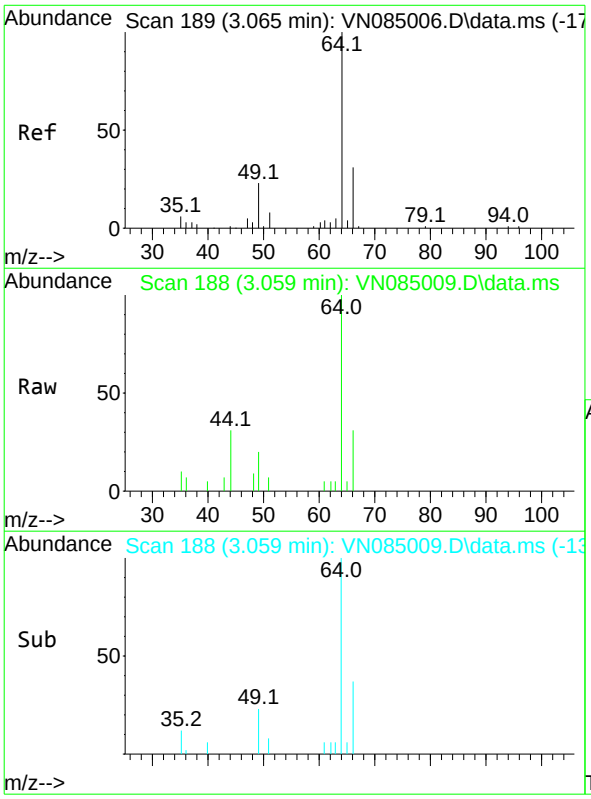
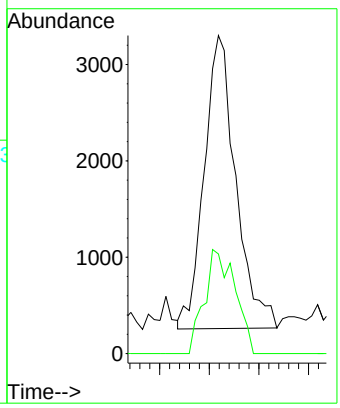
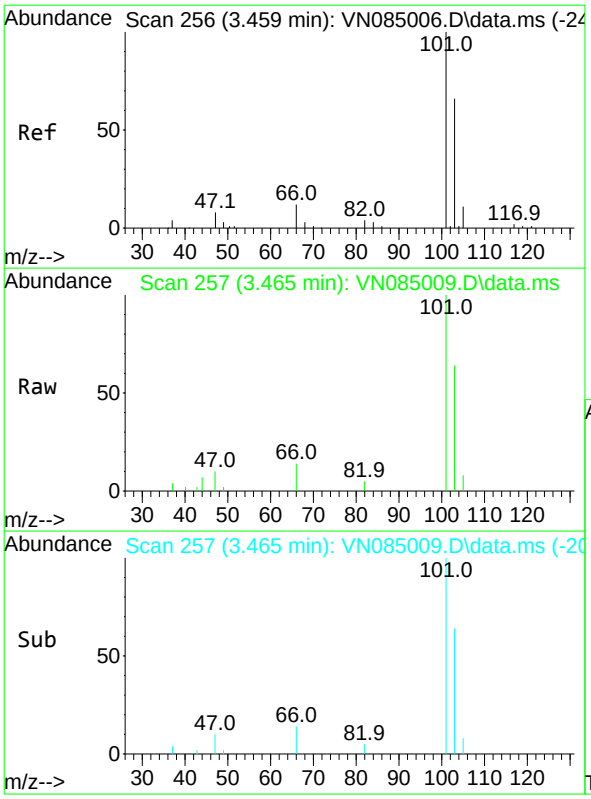


#6
Chloroethane
Concen: 5.119 ug/l
RT: 3.059 min Scan# 188
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 64 Resp: 6721

Ion	Ratio	Lower	Upper
64	100		
66	34.1	24.4	36.6

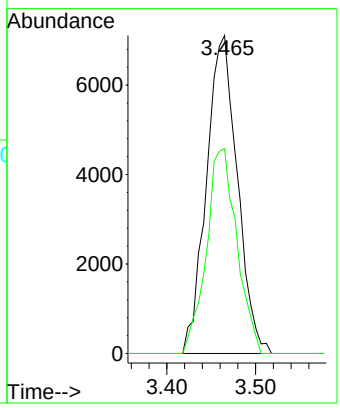




#7
Trichlorofluoromethane
Concen: 5.192 ug/l
RT: 3.465 min Scan# 25
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:101 Resp: 17204

Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.6	78.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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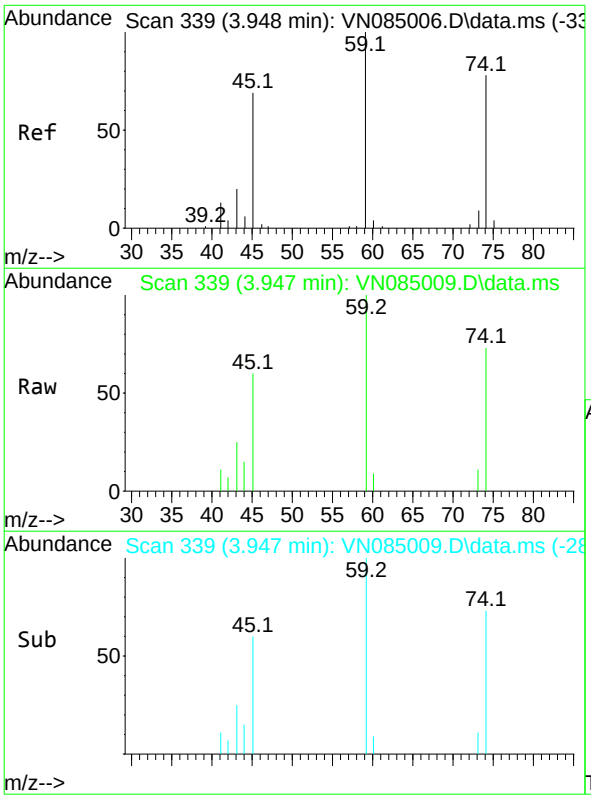
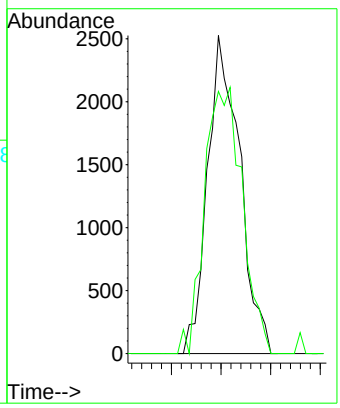
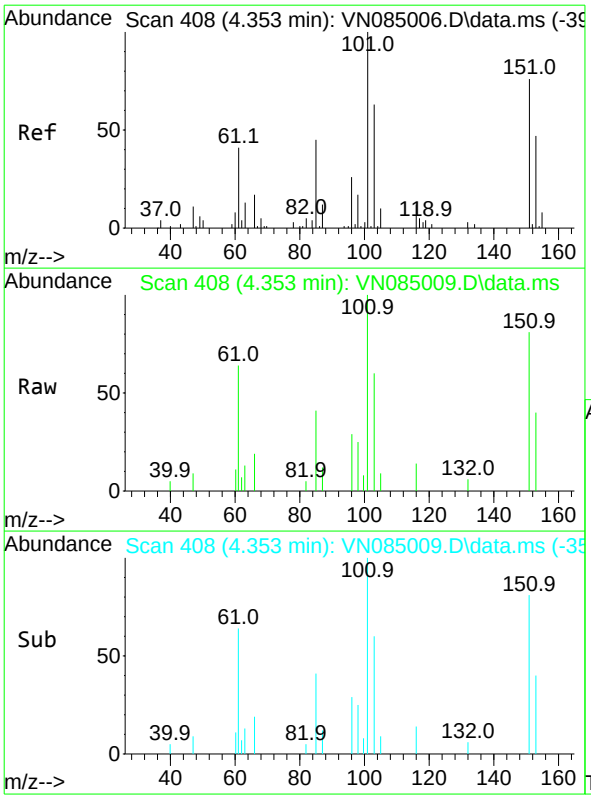


#8
Diethyl Ether
Concen: 5.050 ug/l
RT: 3.947 min Scan# 339
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 74 Resp: 5696

Ion	Ratio	Lower	Upper
74	100		
45	97.8	46.7	140.1

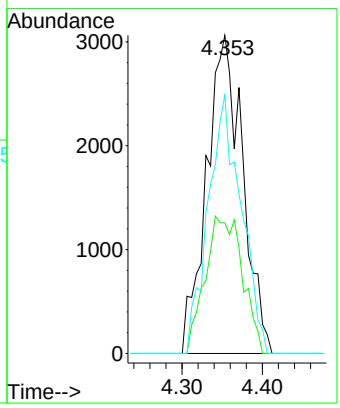




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.064 ug/l
RT: 4.353 min Scan# 40
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:101 Resp: 9518

Ion	Ratio	Lower	Upper
101	100		
85	44.7	36.9	55.3
151	74.5	60.8	91.2



Instrument :
MSVOA_N
ClientSampleId :
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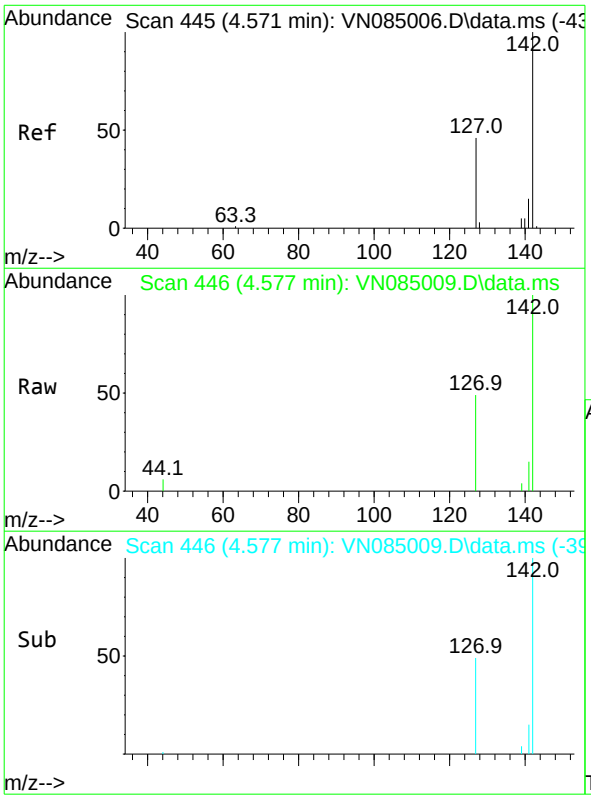
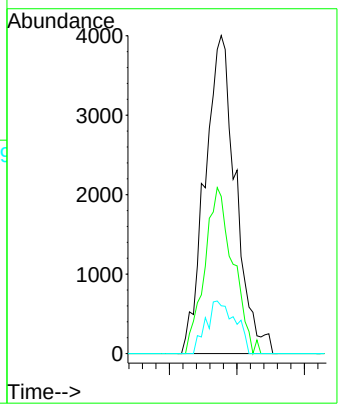
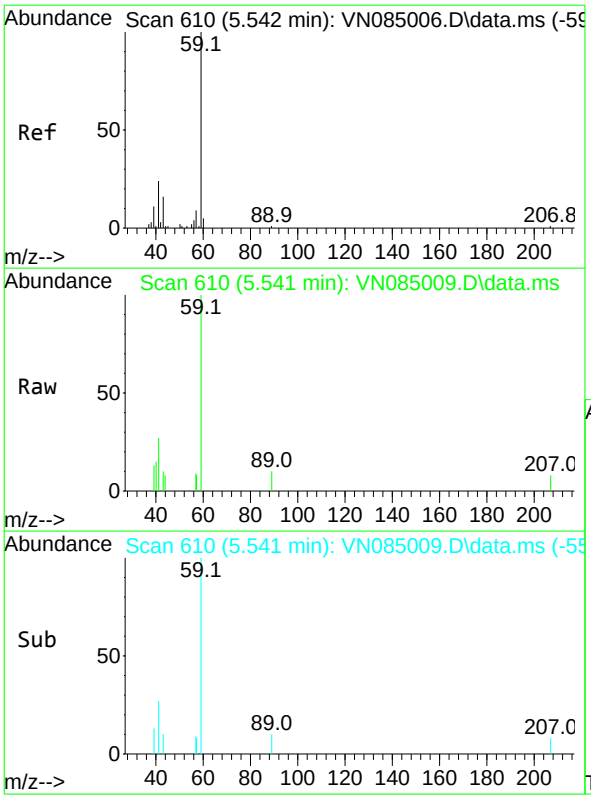


#10
Methyl Iodide
Concen: 5.077 ug/l
RT: 4.577 min Scan# 446
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:142 Resp: 12631

Ion	Ratio	Lower	Upper
142	100		
127	49.4	36.6	54.8
141	15.0	12.2	18.4

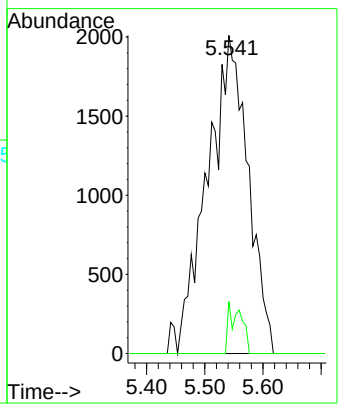




#11
Tert butyl alcohol
Concen: 30.780 ug/l
RT: 5.541 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 59 Resp: 9684

Ion	Ratio	Lower	Upper
59	100		
57	5.0	7.4	11.0#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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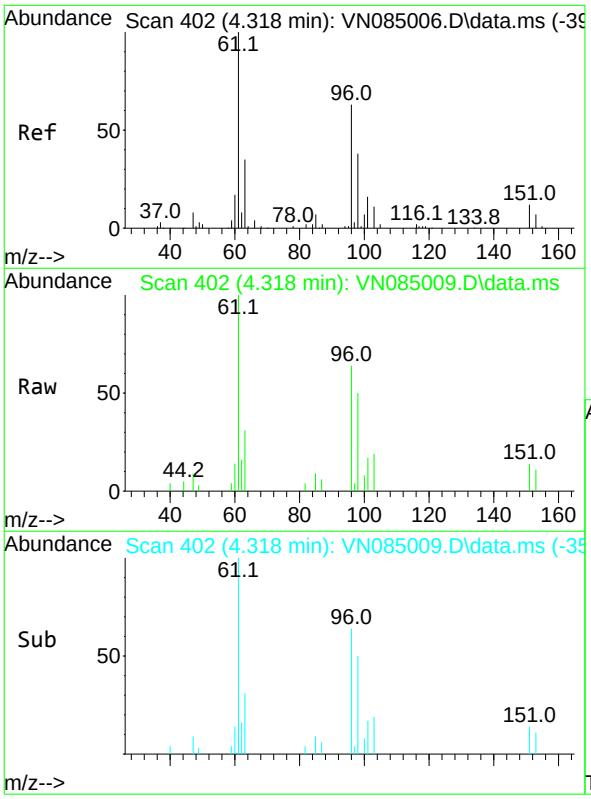
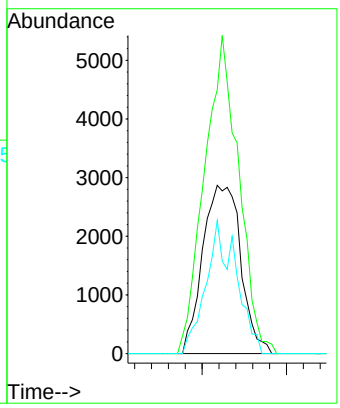
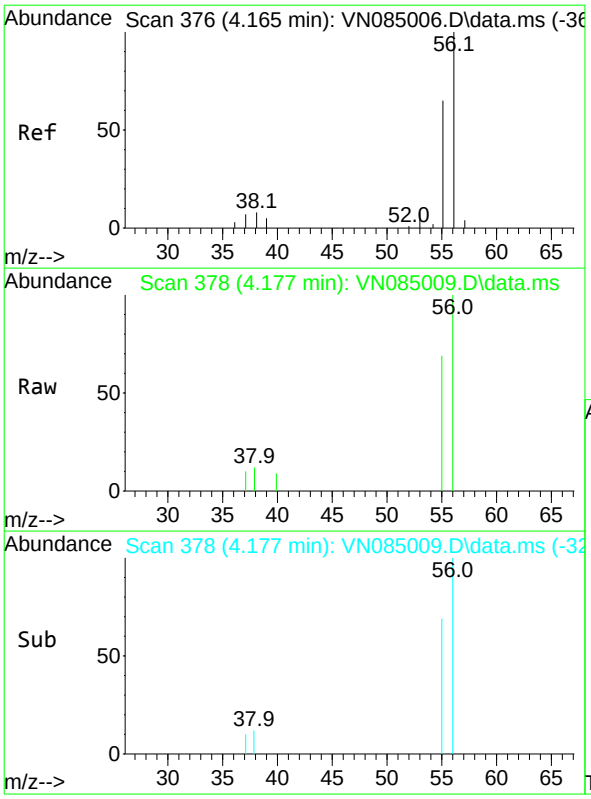


#12
1,1-Dichloroethene
Concen: 5.117 ug/l
RT: 4.318 min Scan# 402
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 96 Resp: 8977

Ion	Ratio	Lower	Upper
96	100		
61	156.7	127.8	191.8
98	79.1	49.2	73.8#

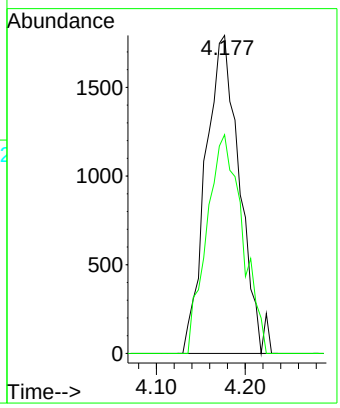




#13
Acrolein
Concen: 22.602 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.011 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 56 Resp: 4745

Ion	Ratio	Lower	Upper
56	100		
55	72.5	54.5	81.7



Instrument :
MSVOA_N
ClientSampleId :
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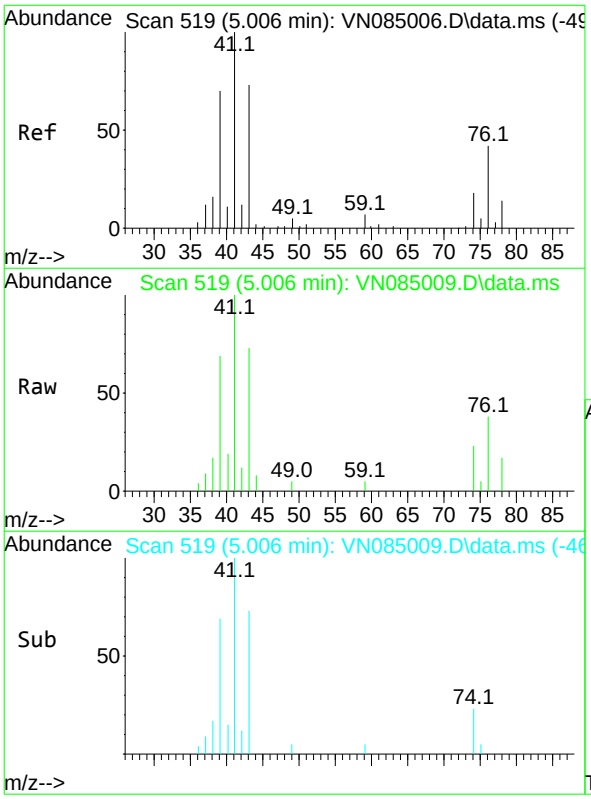
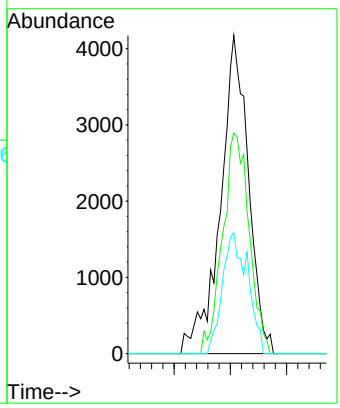
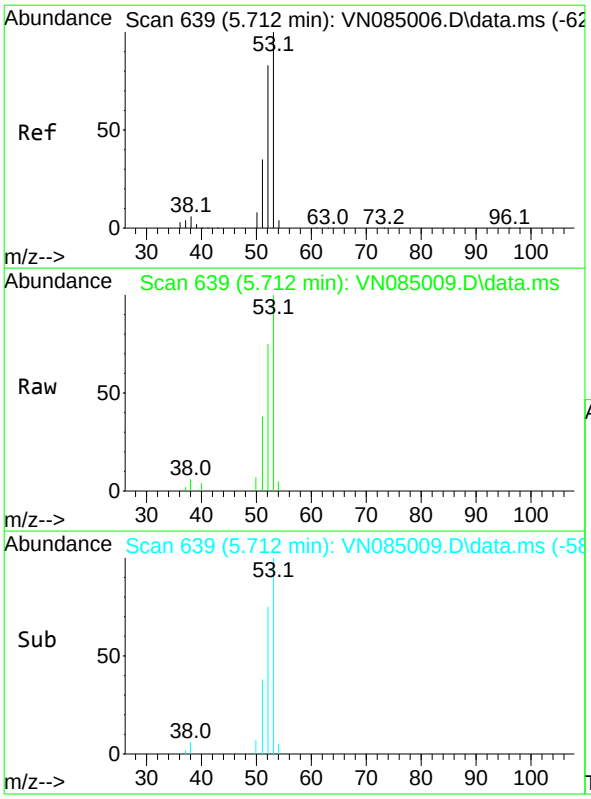


#14
Allyl chloride
Concen: 4.882 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 41 Resp: 14439

Ion	Ratio	Lower	Upper
41	100		
39	65.5	53.8	80.8
76	34.3	29.3	43.9

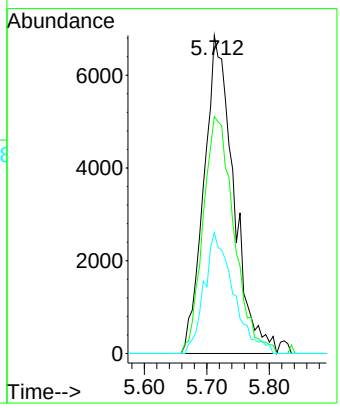




#15
Acrylonitrile
Concen: 25.403 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 53 Resp: 22627

Ion	Ratio	Lower	Upper
53	100		
52	77.5	65.5	98.3
51	37.5	28.4	42.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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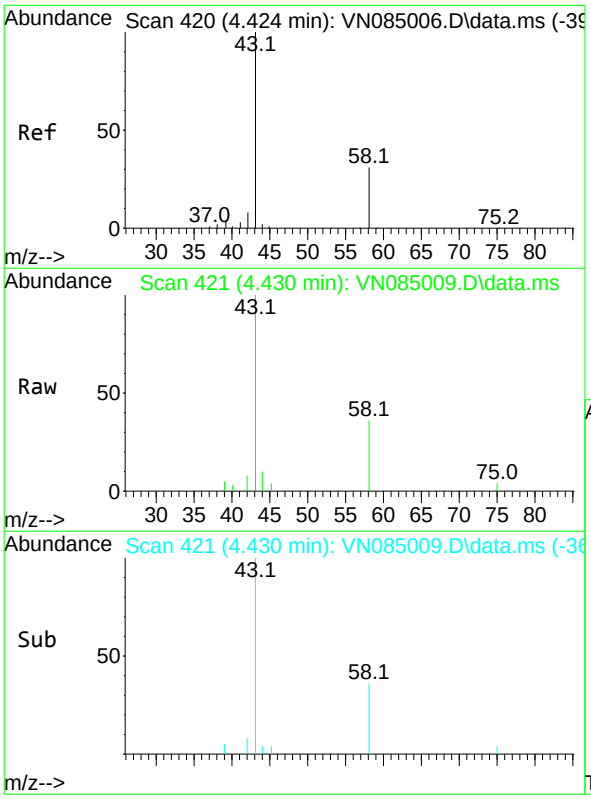
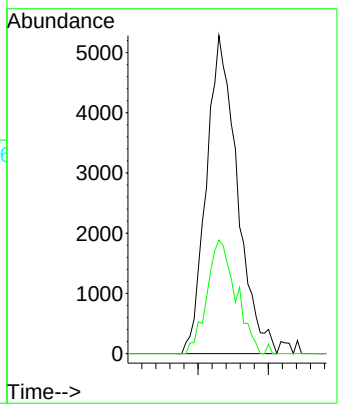
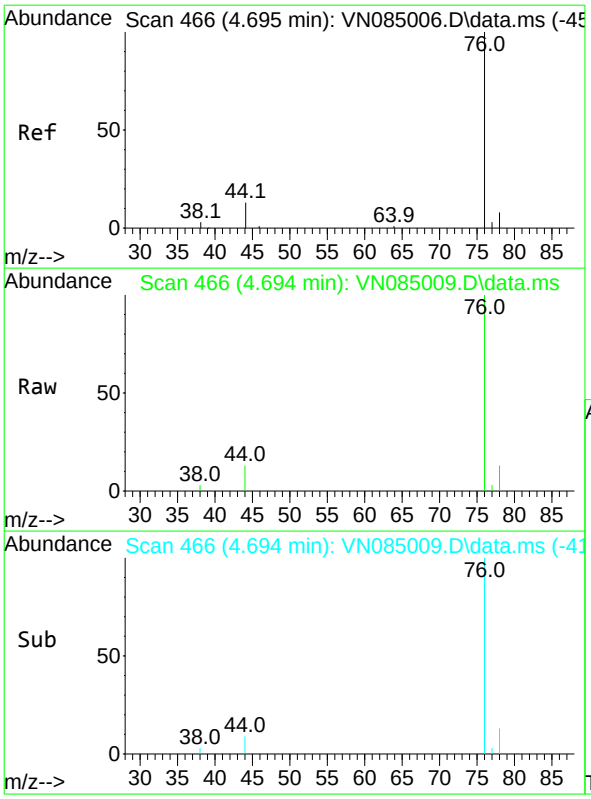


#16
Acetone
Concen: 23.525 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 43 Resp: 16131

Ion	Ratio	Lower	Upper
43	100		
58	35.7	25.4	38.2





#17
Carbon Disulfide
Concen: 5.074 ug/l
RT: 4.694 min Scan# 46
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 76 Resp: 26272

Ion	Ratio	Lower	Upper
76	100		
78	12.7	6.5	9.7#

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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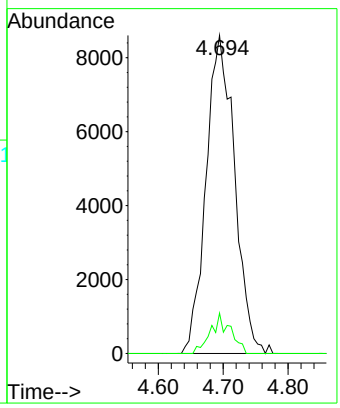
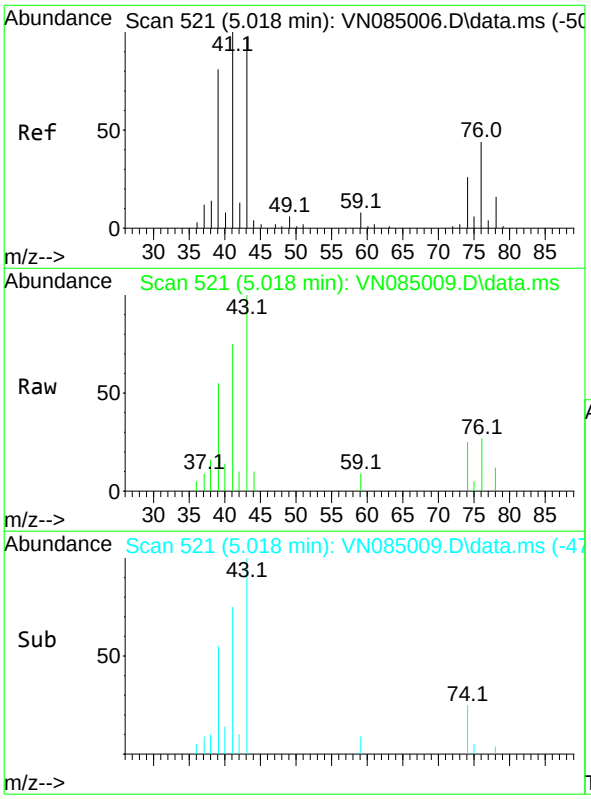
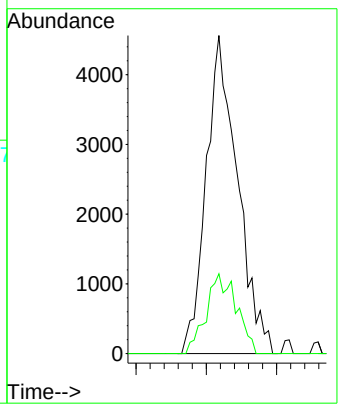


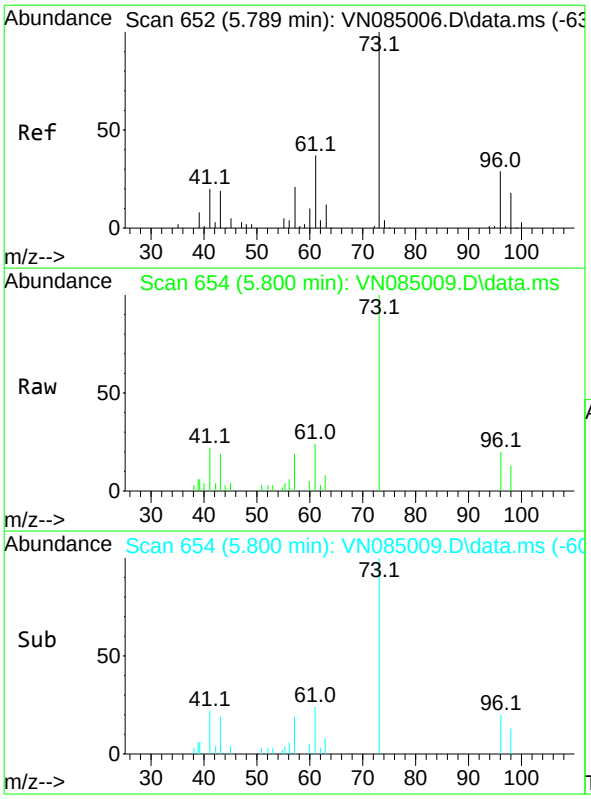


#18
Methyl Acetate
Concen: 5.429 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 43 Resp: 14139

Ion	Ratio	Lower	Upper
43	100		
74	24.2	20.1	30.1

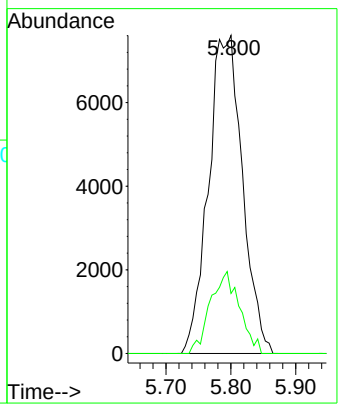




#19
Methyl tert-butyl Ether
Concen: 4.829 ug/l
RT: 5.800 min Scan# 65
Delta R.T. 0.011 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 73 Resp: 27679

Ion	Ratio	Lower	Upper
73	100		
57	18.9	17.0	25.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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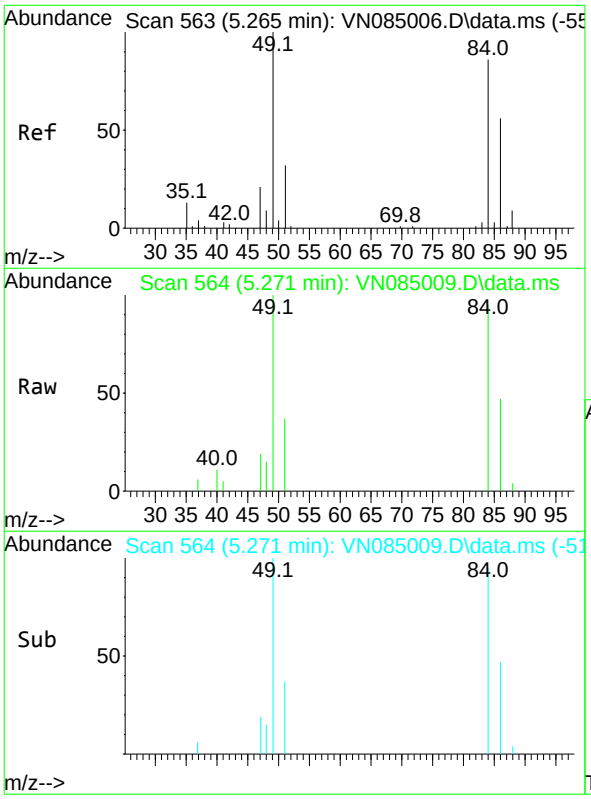
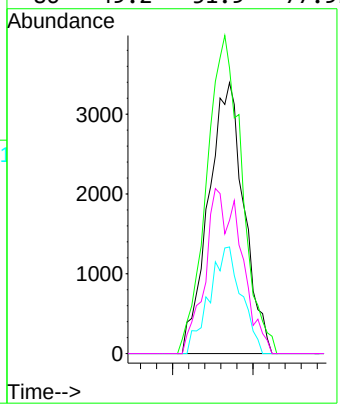
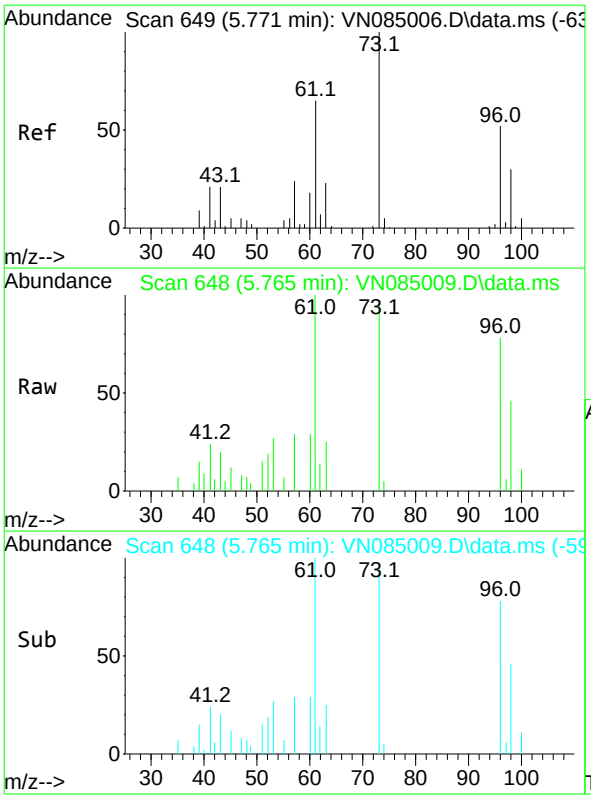


#20
Methylene Chloride
Concen: 4.975 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 84 Resp: 10410

Ion	Ratio	Lower	Upper
84	100		
49	105.4	92.7	139.1
51	39.4	29.4	44.2
86	49.2	51.9	77.9#

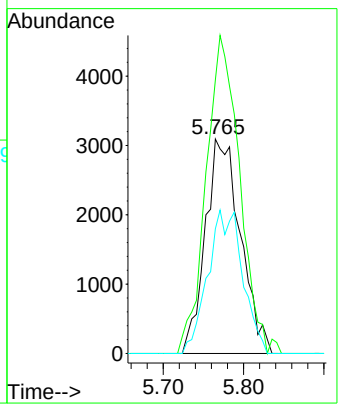




#21
trans-1,2-Dichloroethene
Concen: 5.085 ug/l
RT: 5.765 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 96 Resp: 9388

Ion	Ratio	Lower	Upper
96	100		
61	127.5	100.7	151.1
98	58.1	45.8	68.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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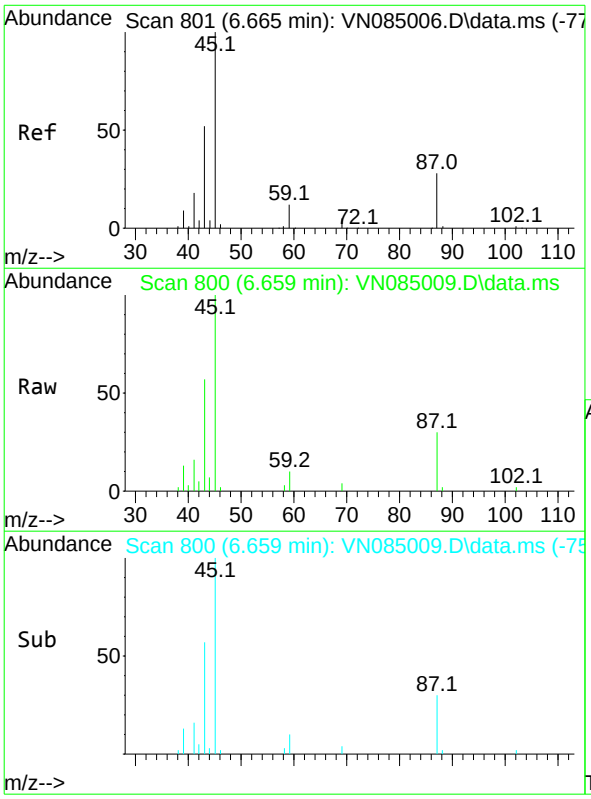
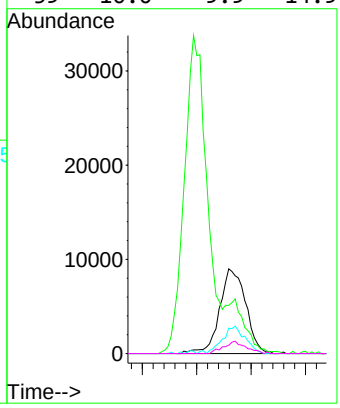
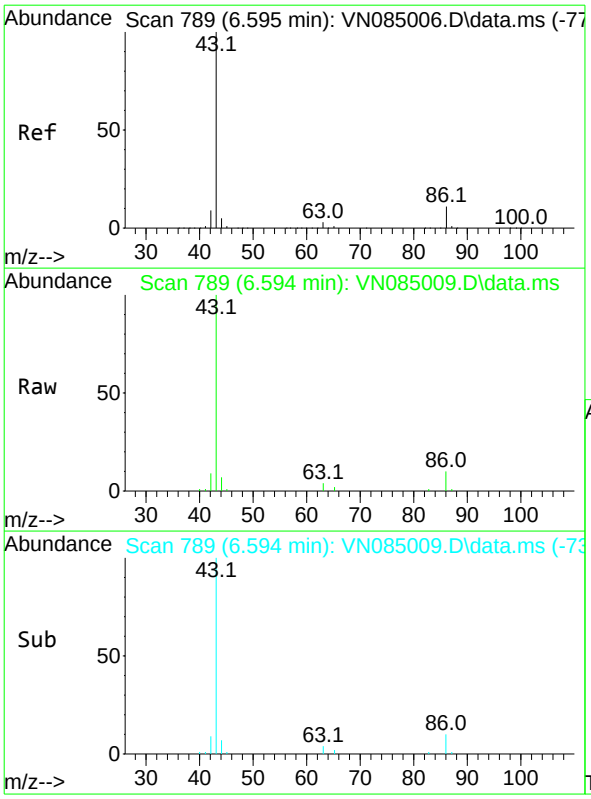


#22
Diisopropyl ether
Concen: 5.043 ug/l
RT: 6.659 min Scan# 800
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 45 Resp: 30018

Ion	Ratio	Lower	Upper
45	100		
43	54.4	42.7	64.1
87	29.9	22.6	34.0
59	10.0	9.9	14.9

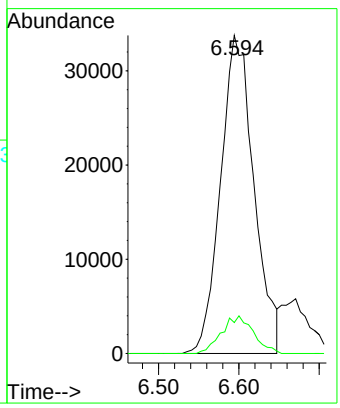




#23
Vinyl Acetate
Concen: 23.745 ug/l
RT: 6.594 min Scan# 78
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 43 Resp: 97507

Ion	Ratio	Lower	Upper
43	100		
86	9.7	8.9	13.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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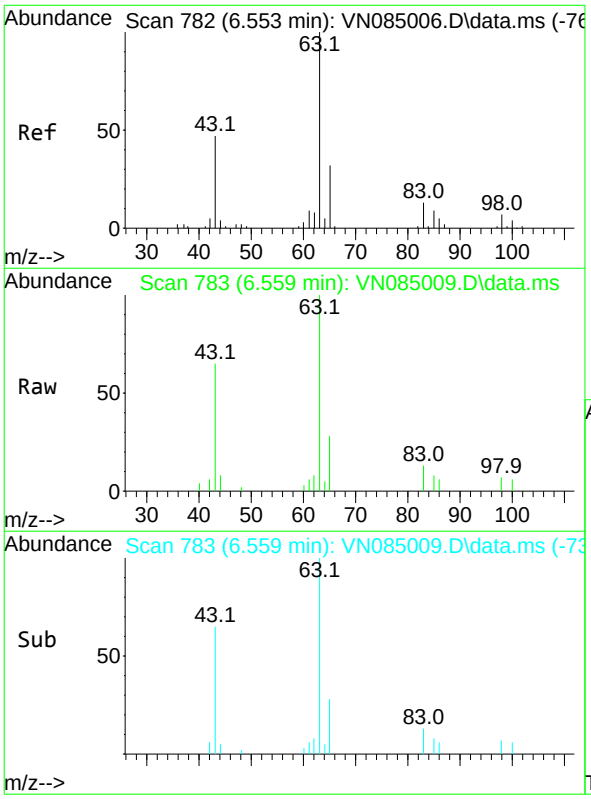
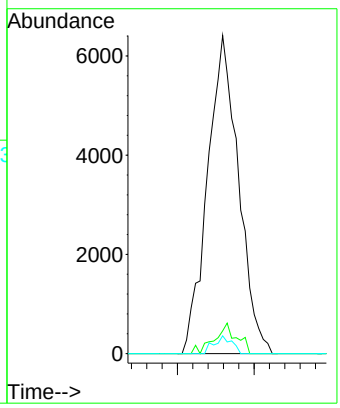
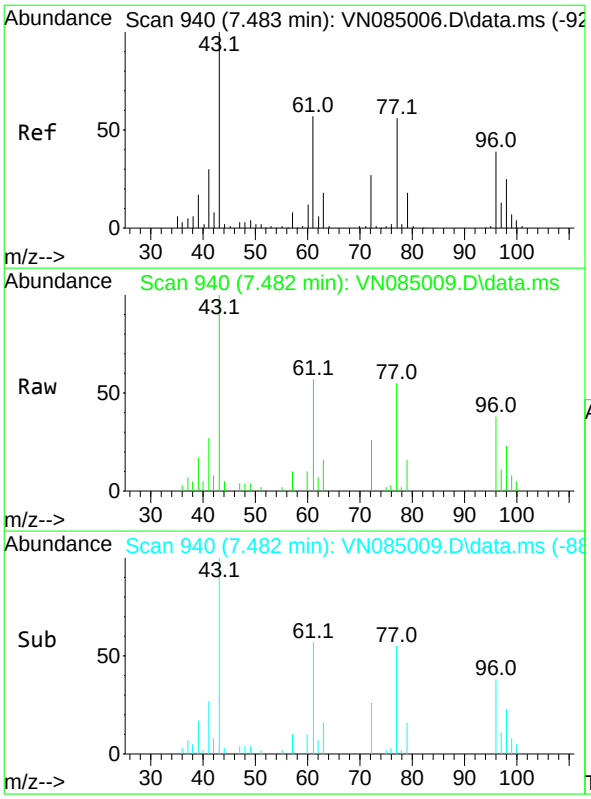


#24
1,1-Dichloroethane
Concen: 5.066 ug/l
RT: 6.559 min Scan# 783
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 63 Resp: 18044

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.3	9.8
100	5.6	2.2	6.6

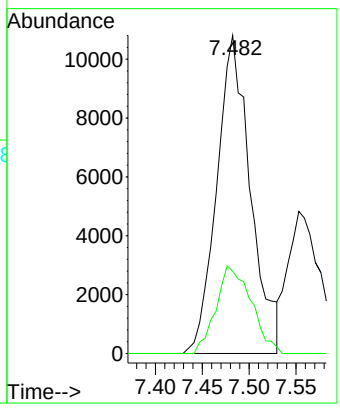




#25
2-Butanone
Concen: 24.174 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 43 Resp: 27100

Ion	Ratio	Lower	Upper
43	100		
72	25.9	21.4	32.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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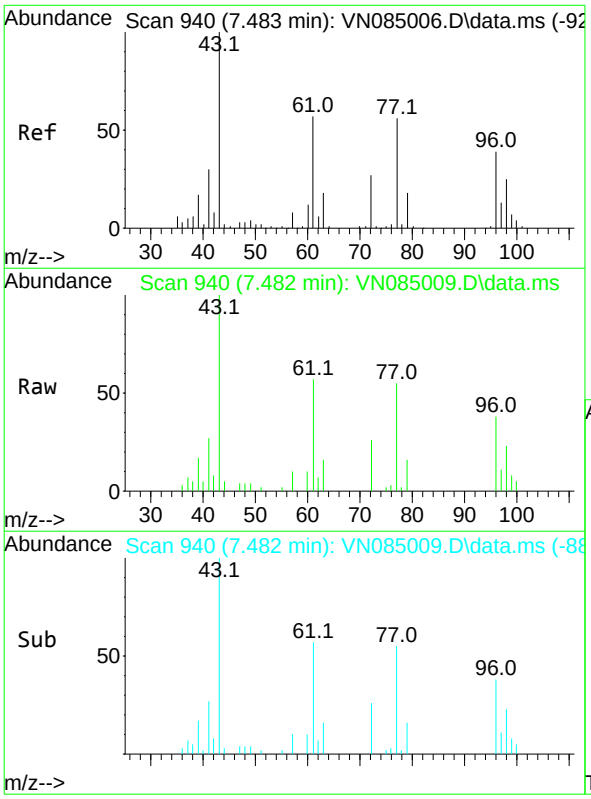
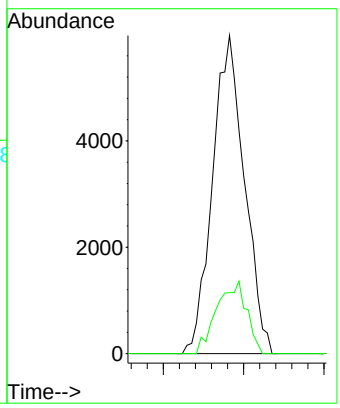
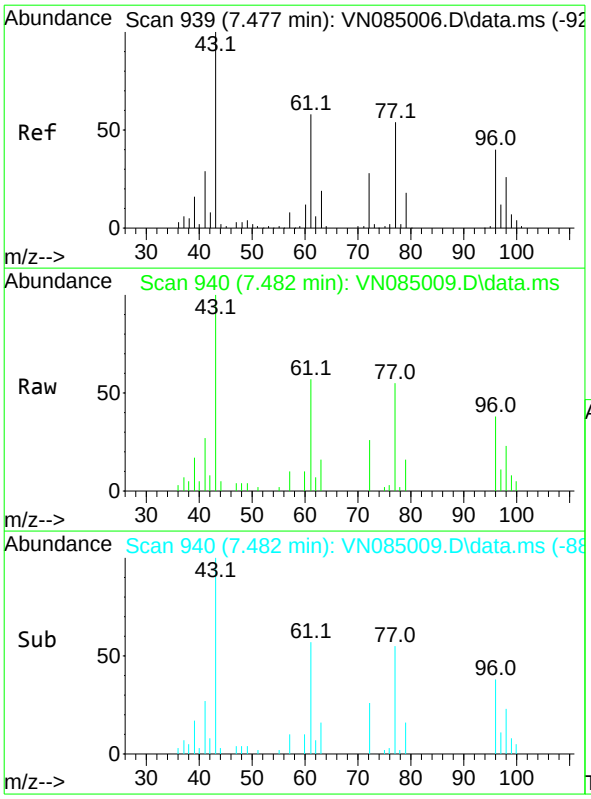


#26
2,2-Dichloropropane
Concen: 4.968 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 77 Resp: 16525

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.9	32.7

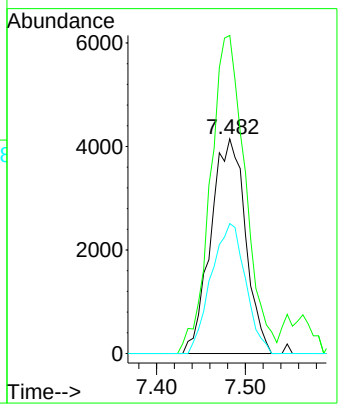




#27
cis-1,2-Dichloroethene
Concen: 5.055 ug/l
RT: 7.482 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 96 Resp: 11250

Ion	Ratio	Lower	Upper
96	100		
61	148.7	0.0	291.6
98	59.8	0.0	129.8



Instrument :
MSVOA_N
ClientSampleId :
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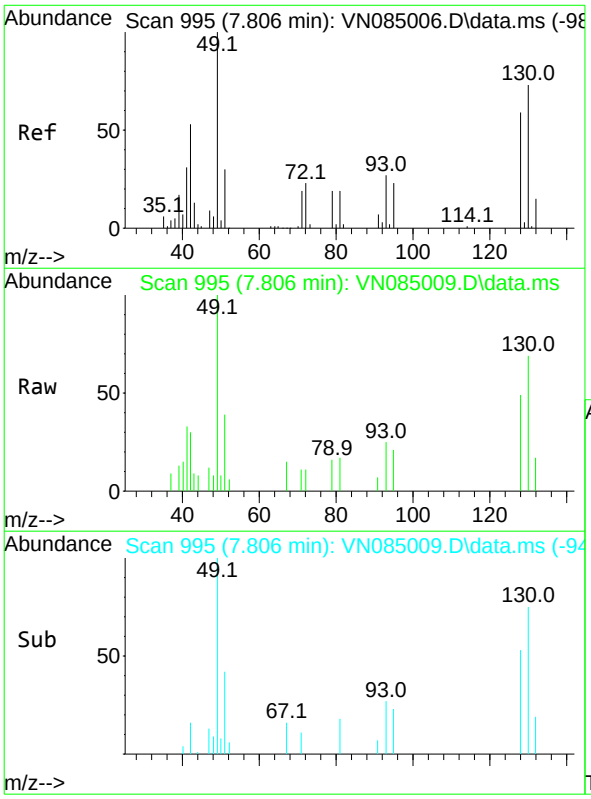
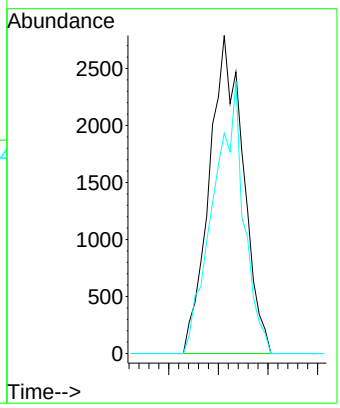
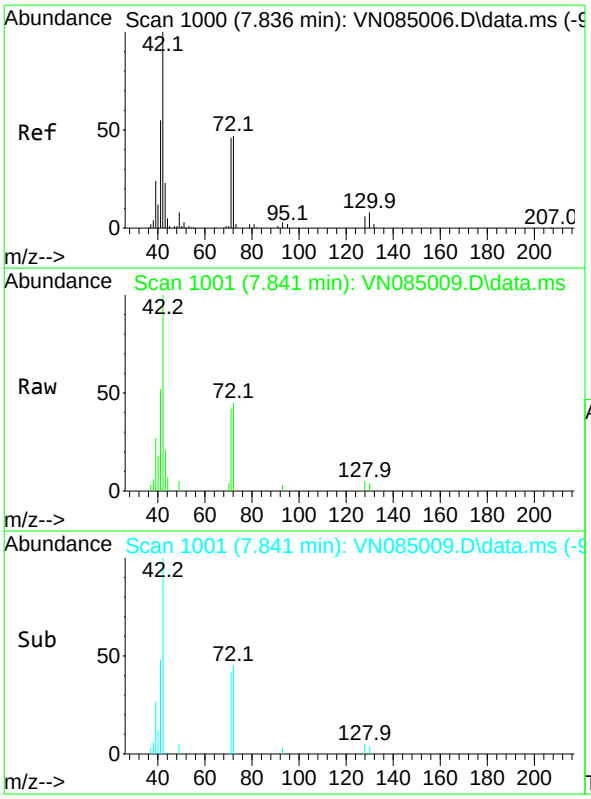


#28
Bromochloromethane
Concen: 4.903 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 49 Resp: 6592

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	77.4	60.6	90.8

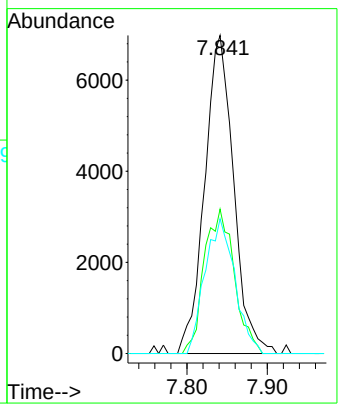




#29
Tetrahydrofuran
Concen: 25.104 ug/l
RT: 7.841 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 42 Resp: 17501

Ion	Ratio	Lower	Upper
42	100		
72	47.1	37.0	55.4
71	43.6	35.0	52.4



Instrument :
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ClientSampleId :
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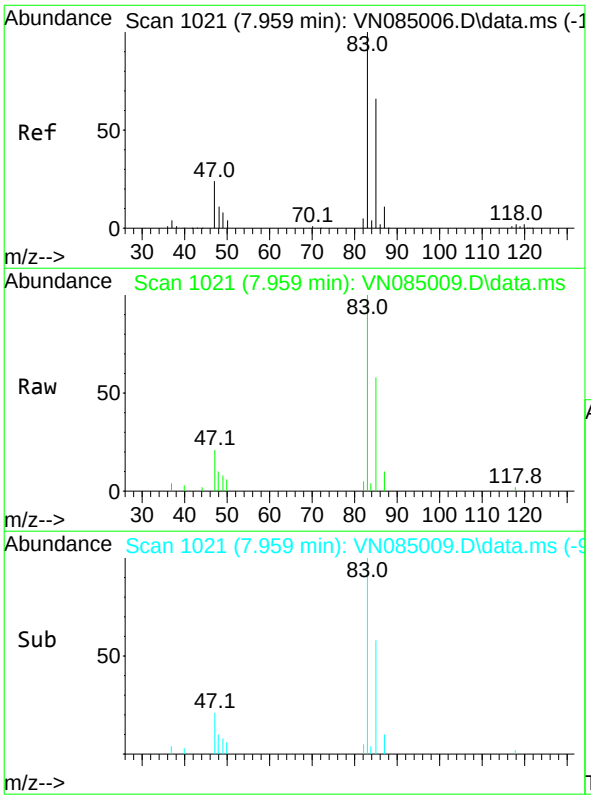
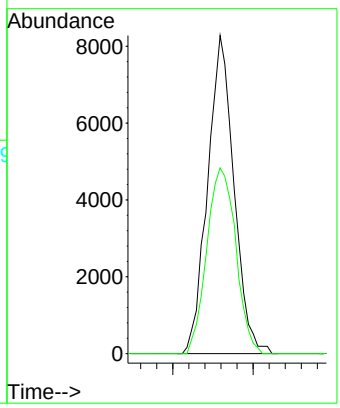
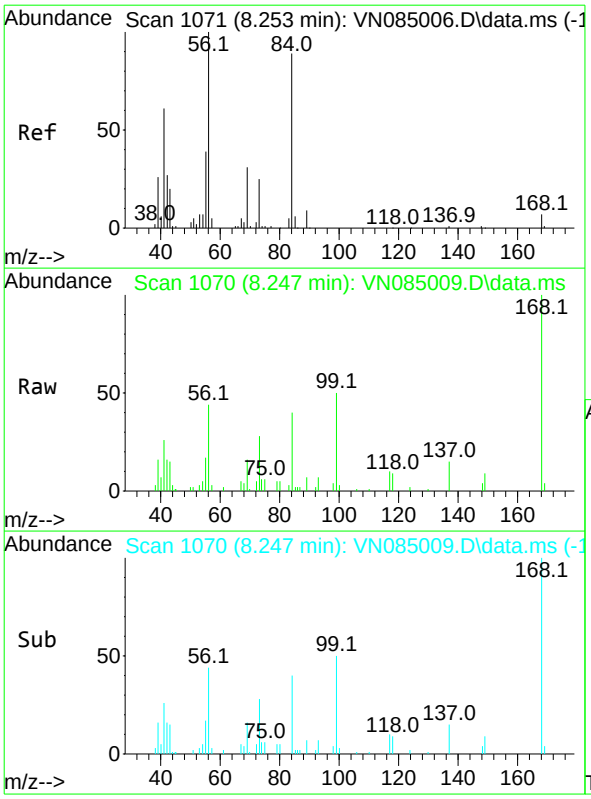


#30
Chloroform
Concen: 4.971 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 83 Resp: 18837

Ion	Ratio	Lower	Upper
83	100		
85	58.4	52.6	78.8

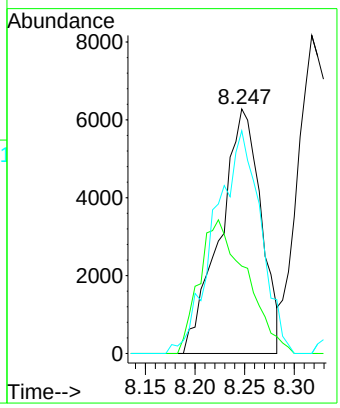




#31
Cyclohexane
Concen: 5.751 ug/l
RT: 8.247 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 56 Resp: 18036

Ion	Ratio	Lower	Upper
56	100		
69	35.7	24.6	36.8
84	88.0	71.4	107.2



Instrument :
MSVOA_N
ClientSampleId :
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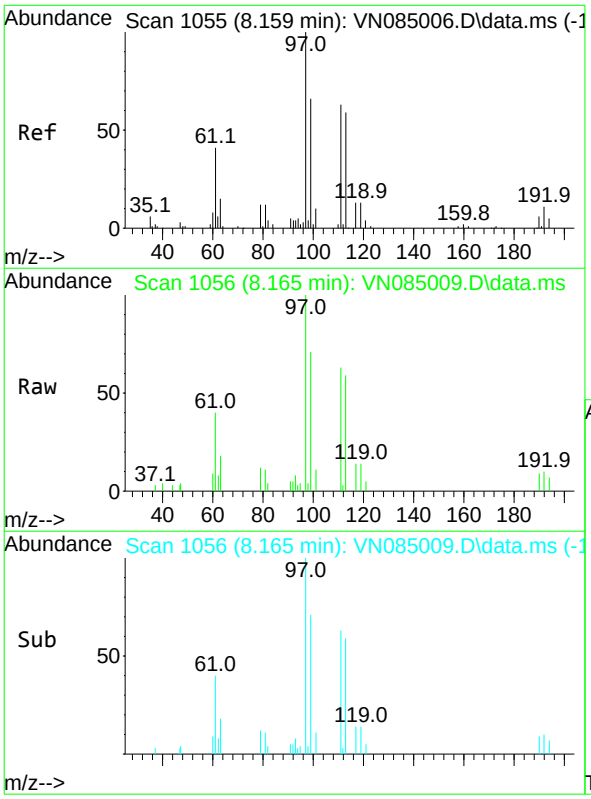
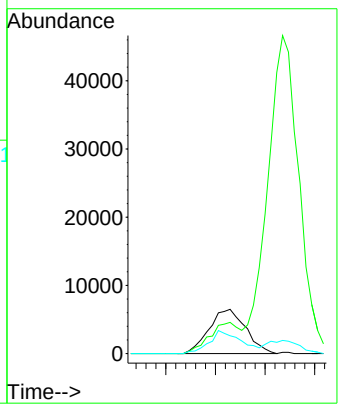
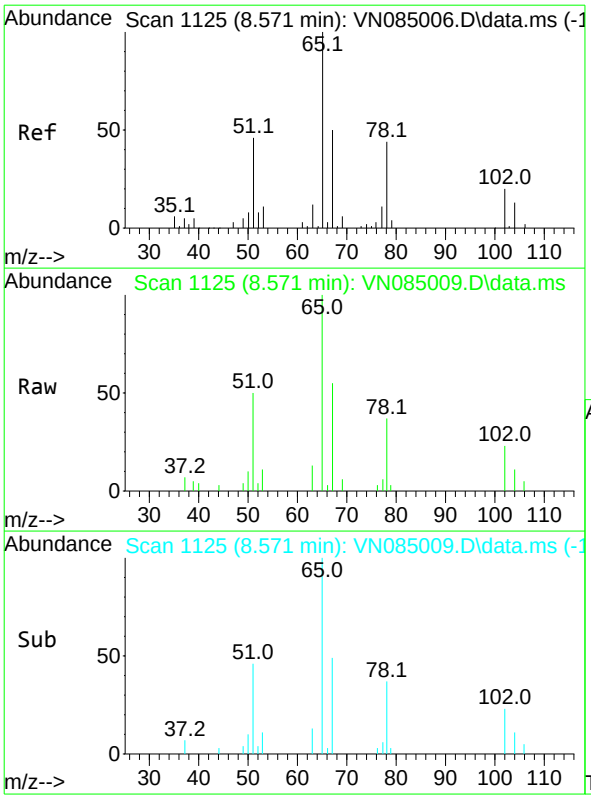


#32
1,1,1-Trichloroethane
Concen: 4.851 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 97 Resp: 16611

Ion	Ratio	Lower	Upper
97	100		
99	59.1	51.0	76.4
61	45.2	36.2	54.2

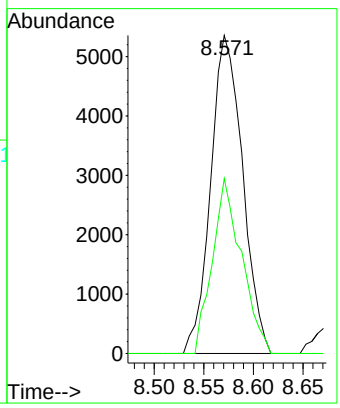




#33
1,2-Dichloroethane-d4
Concen: 5.087 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 65 Resp: 11977

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	105.0



Instrument :
MSVOA_N
ClientSampleId :
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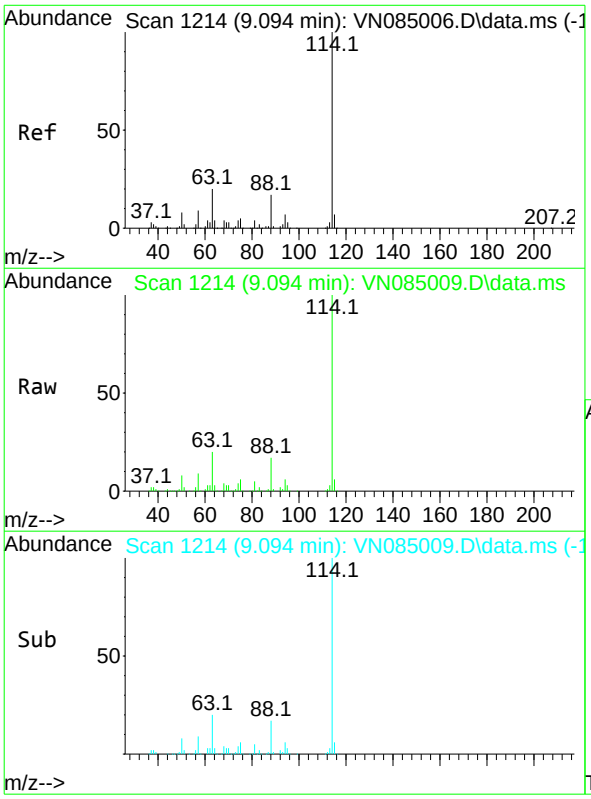
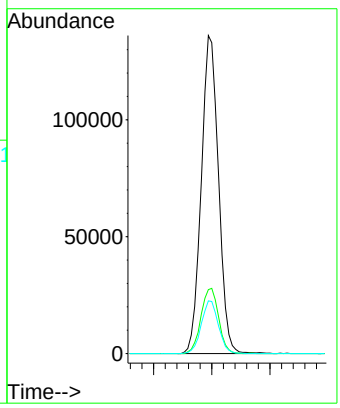
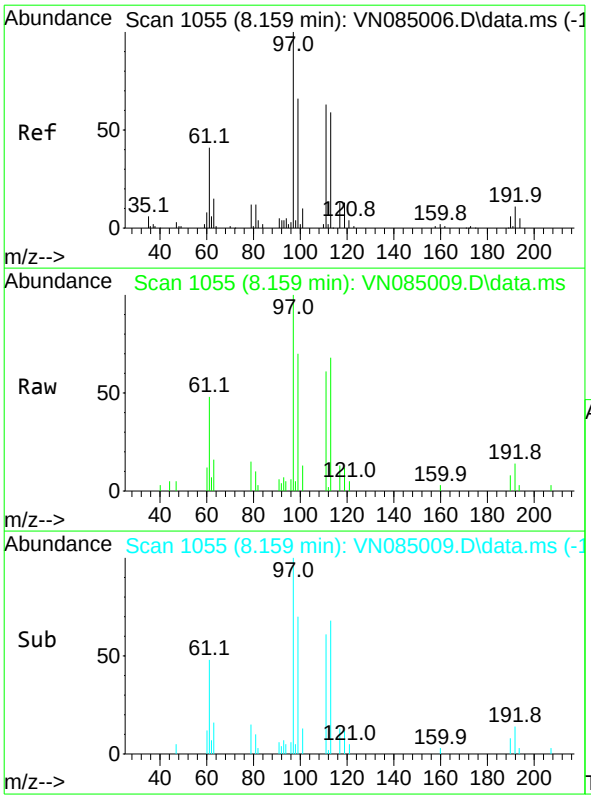


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:114 Resp: 280025

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	41.0
88	16.6	0.0	34.8

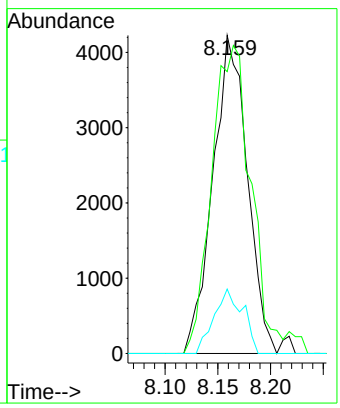




#35
Dibromofluoromethane
Concen: 5.082 ug/l
RT: 8.159 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:113 Resp: 9597

Ion	Ratio	Lower	Upper
113	100		
111	109.7	82.0	123.0
192	17.0	14.8	22.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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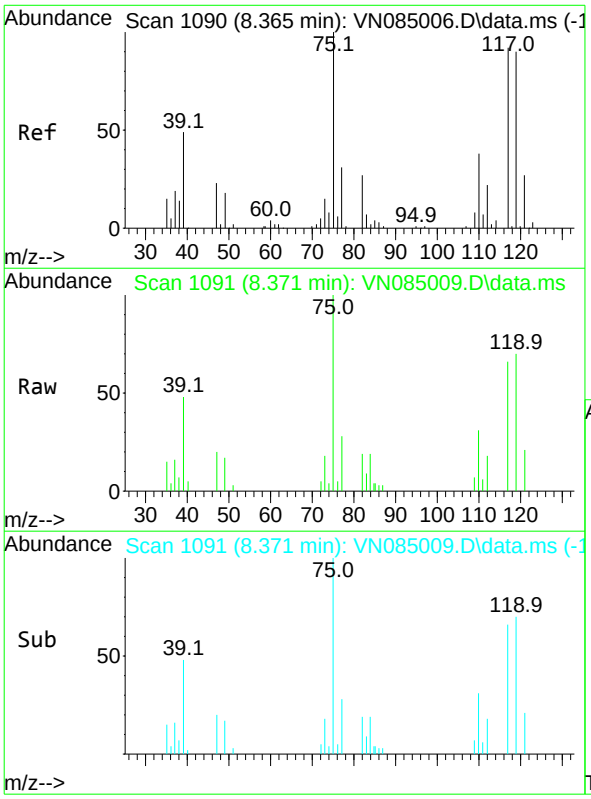
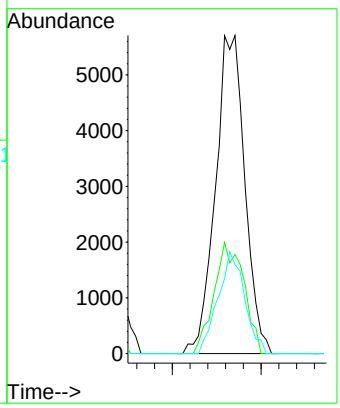
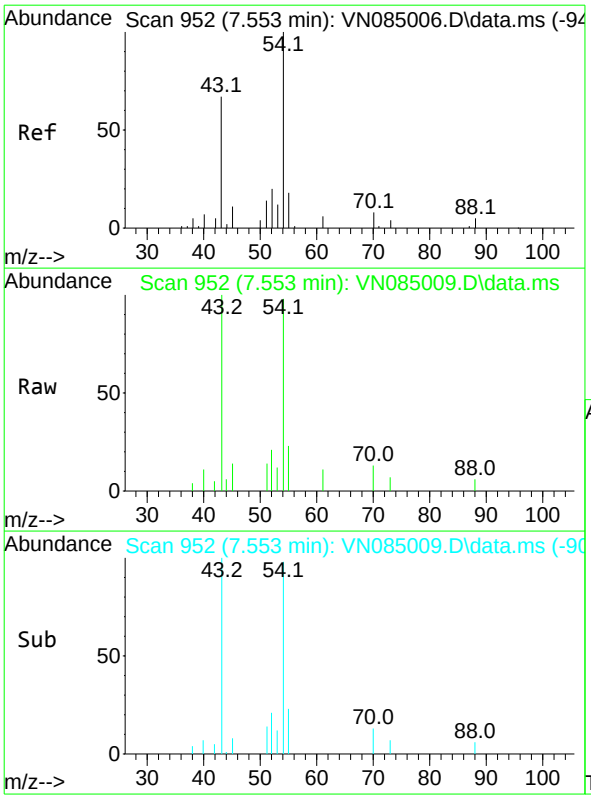


#36
1,1-Dichloropropene
Concen: 5.140 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 75 Resp: 13147

Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.2	51.6
77	28.9	24.2	36.4

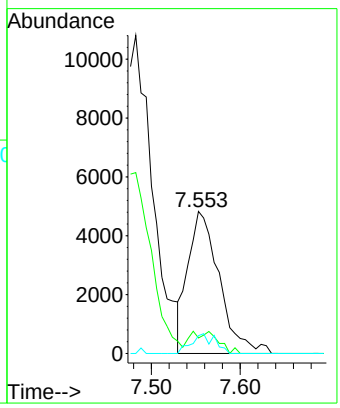




#37
Ethyl Acetate
Concen: 5.114 ug/l
RT: 7.553 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 43 Resp: 11891

Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.7	17.5#
70	10.4	9.3	13.9



Instrument :
MSVOA_N
ClientSampleId :
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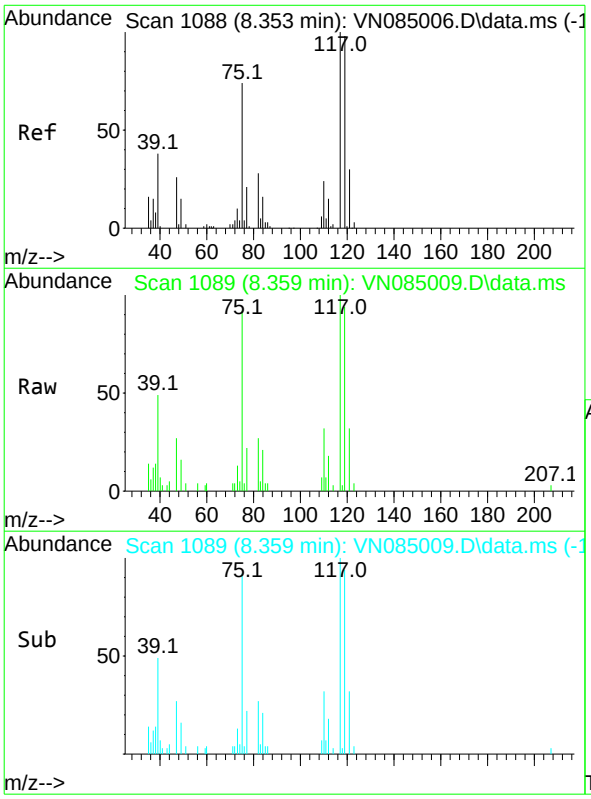
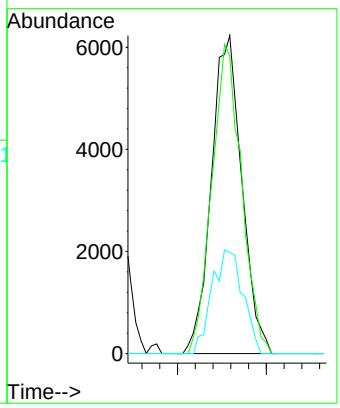
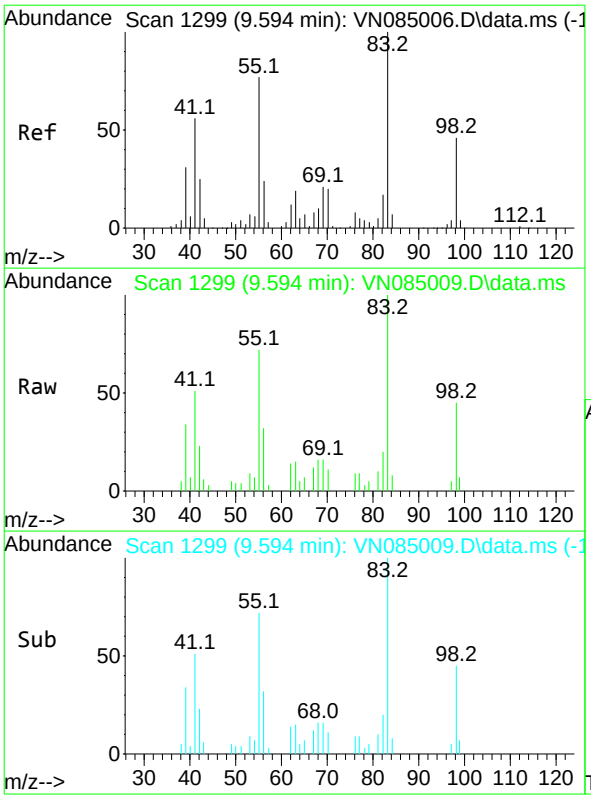


#38
Carbon Tetrachloride
Concen: 5.022 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:117 Resp: 14827

Ion	Ratio	Lower	Upper
117	100		
119	93.7	78.6	117.8
121	31.8	24.2	36.2

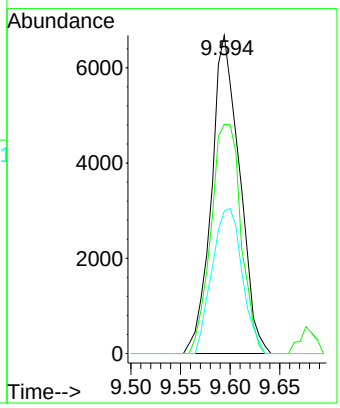




#39
Methylcyclohexane
Concen: 4.945 ug/l
RT: 9.594 min Scan# 12
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 83 Resp: 13143

Ion	Ratio	Lower	Upper
83	100		
55	72.1	61.8	92.6
98	44.8	37.0	55.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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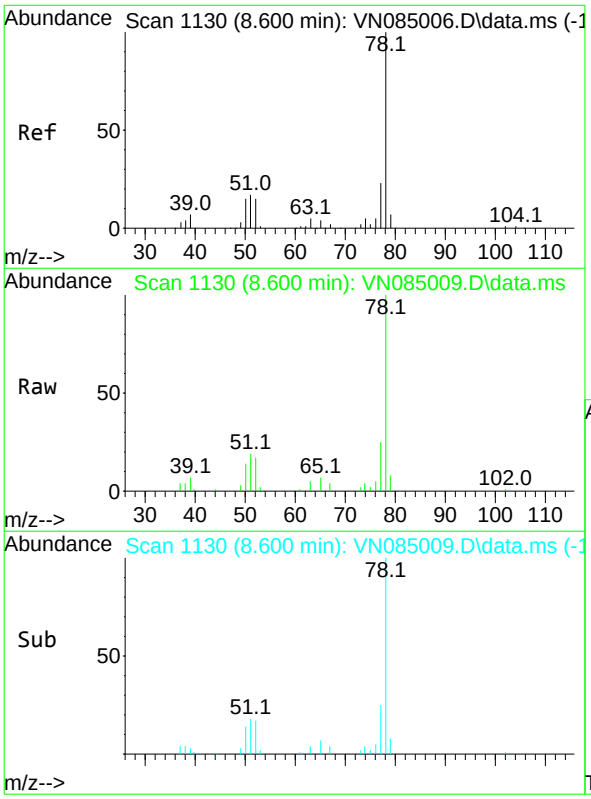
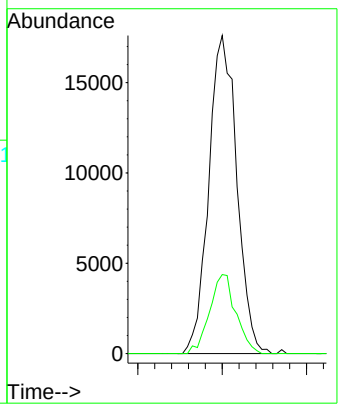
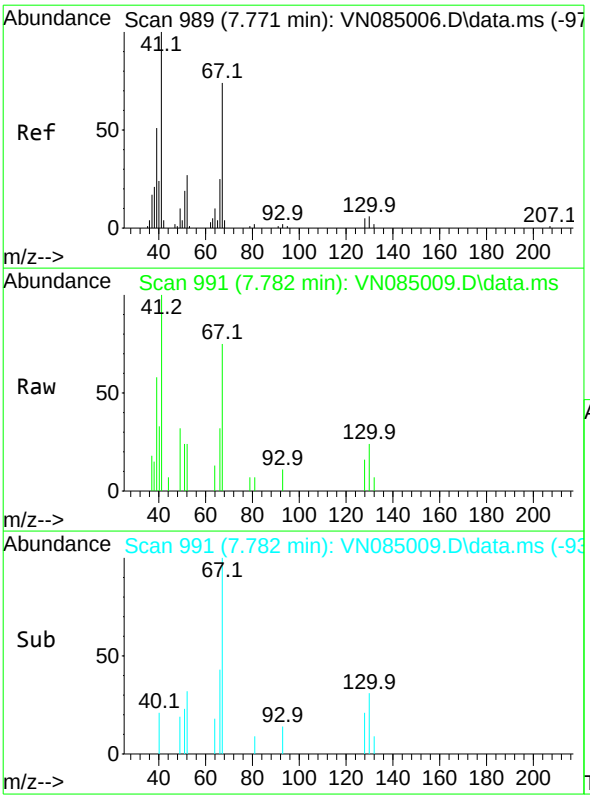


#40
Benzene
Concen: 5.026 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 78 Resp: 40657

Ion	Ratio	Lower	Upper
78	100		
77	24.8	18.5	27.7

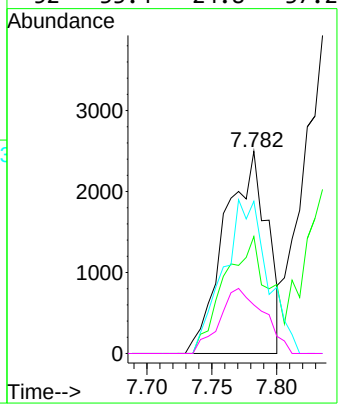




#41
Methacrylonitrile
Concen: 4.417 ug/l
RT: 7.782 min Scan# 99
Delta R.T. 0.011 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 41 Resp: 5687

Ion	Ratio	Lower	Upper
41	100		
39	60.9	42.6	63.8
67	78.7	59.9	89.9
52	33.4	24.8	37.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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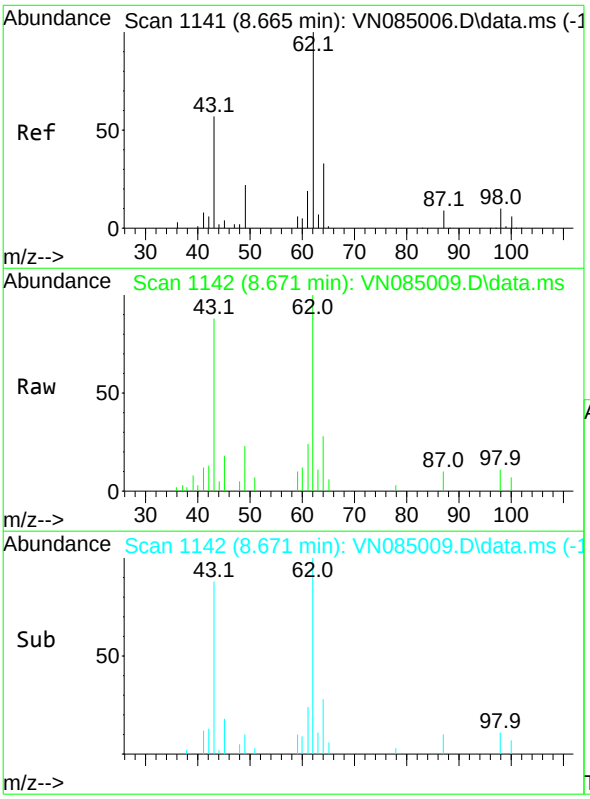
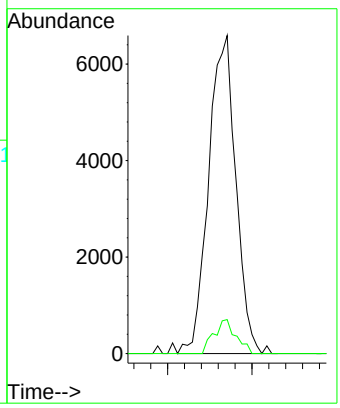
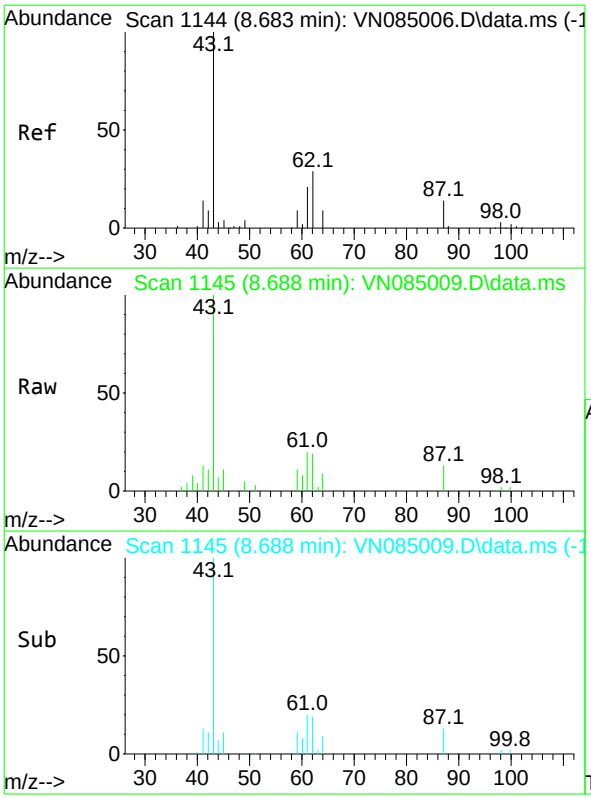


#42
1,2-Dichloroethane
Concen: 5.356 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 62 Resp: 14824

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.2

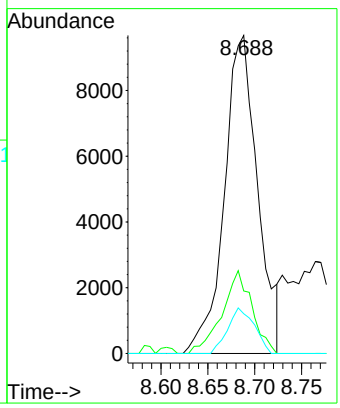




#43
Isopropyl Acetate
Concen: 4.947 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 43 Resp: 23894

Ion	Ratio	Lower	Upper
43	100		
61	23.4	20.6	30.8
87	11.4	11.0	16.4



Instrument :
MSVOA_N
ClientSampleId :
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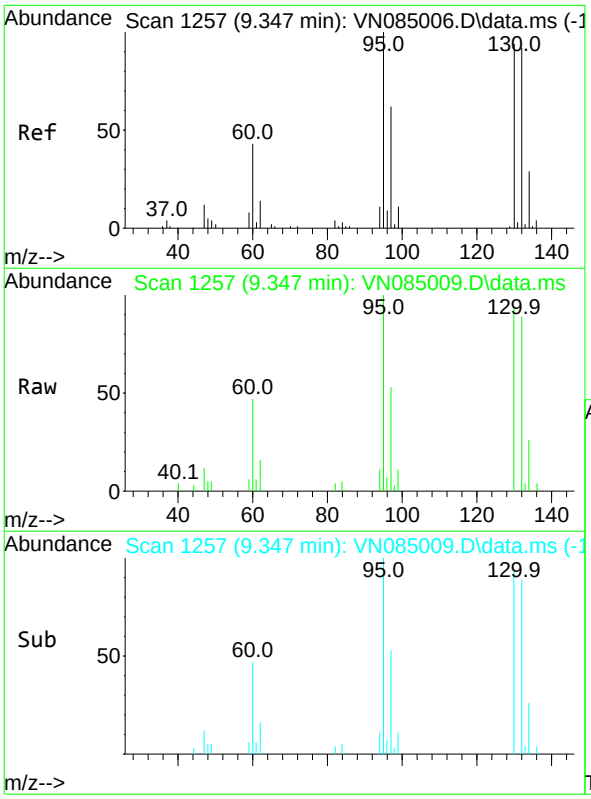
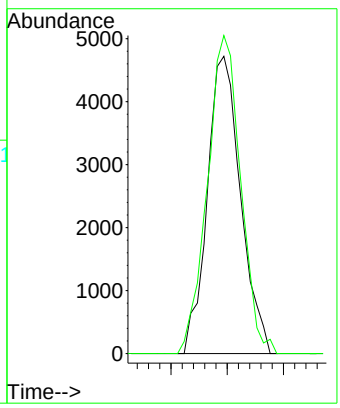
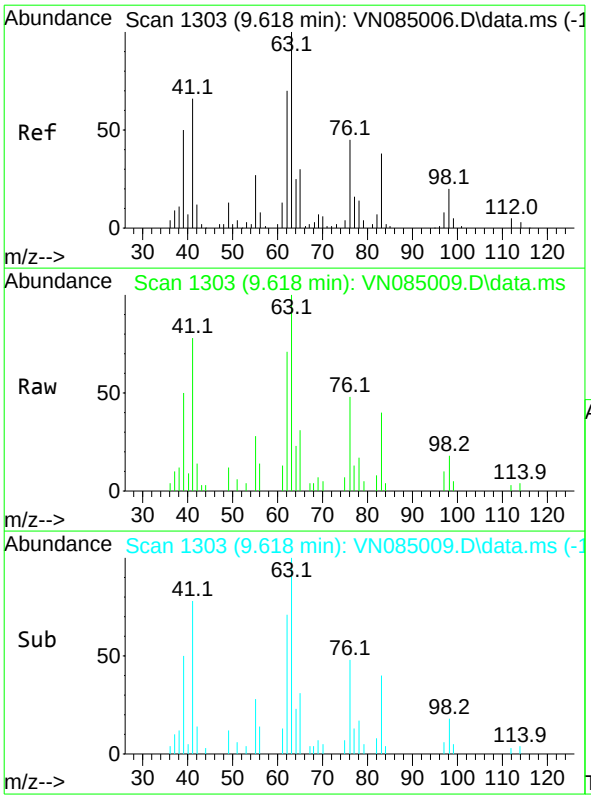


#44
Trichloroethene
Concen: 5.165 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:130 Resp: 9711

Ion	Ratio	Lower	Upper
130	100		
95	107.0	0.0	213.4

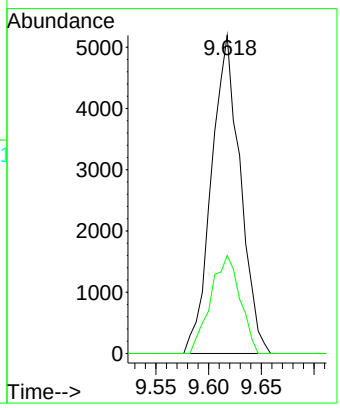




#45
1,2-Dichloropropane
Concen: 4.948 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 63 Resp: 9859

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.0	36.0



Instrument :
MSVOA_N
ClientSampleId :
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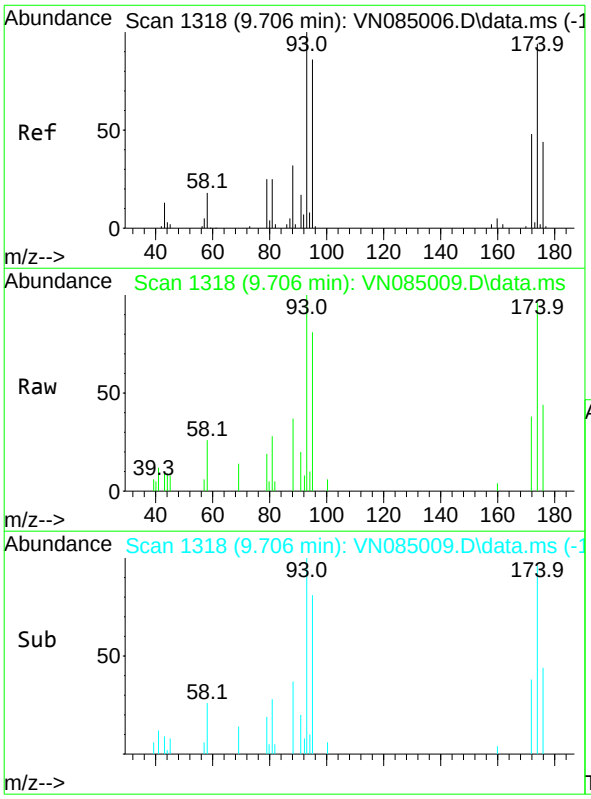
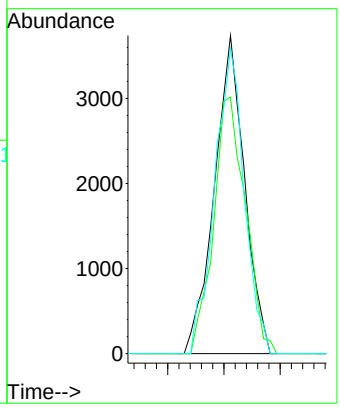
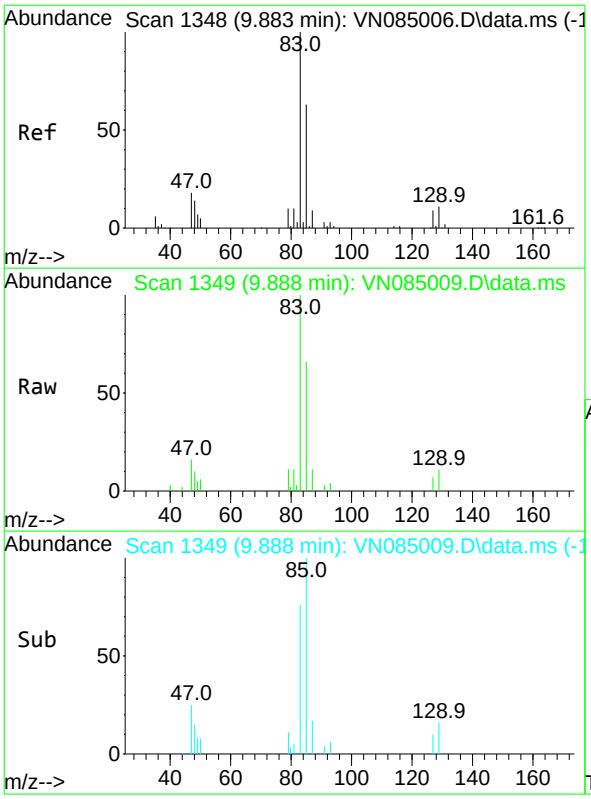


#46
Dibromomethane
Concen: 5.028 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 93 Resp: 6962

Ion	Ratio	Lower	Upper
93	100		
95	85.5	66.2	99.4
174	94.3	74.9	112.3

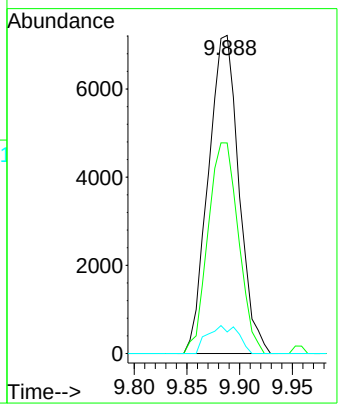




#47
Bromodichloromethane
Concen: 4.962 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 83 Resp: 14562

Ion	Ratio	Lower	Upper
83	100		
85	66.2	50.5	75.7
127	6.8	7.1	10.7#



Instrument :
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ClientSampleId :
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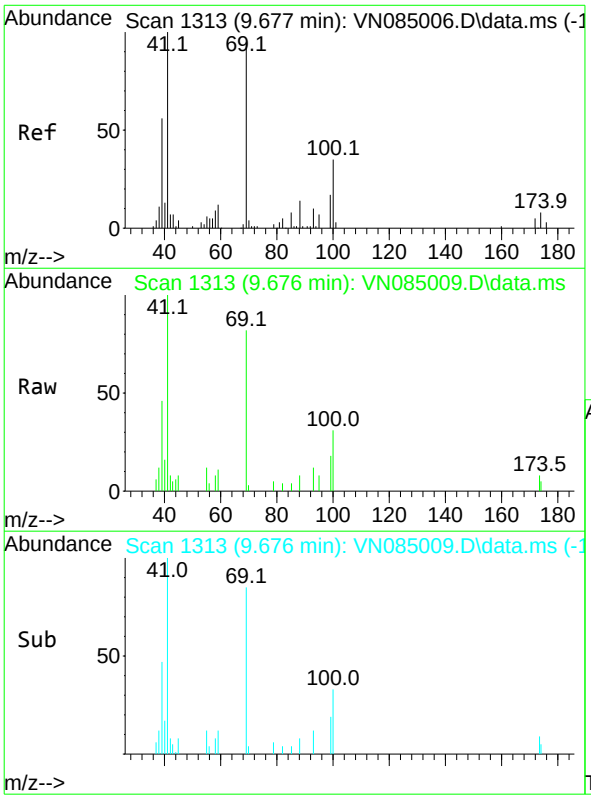
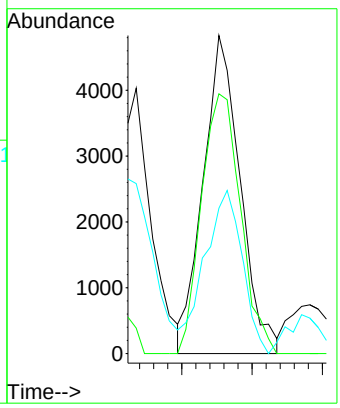
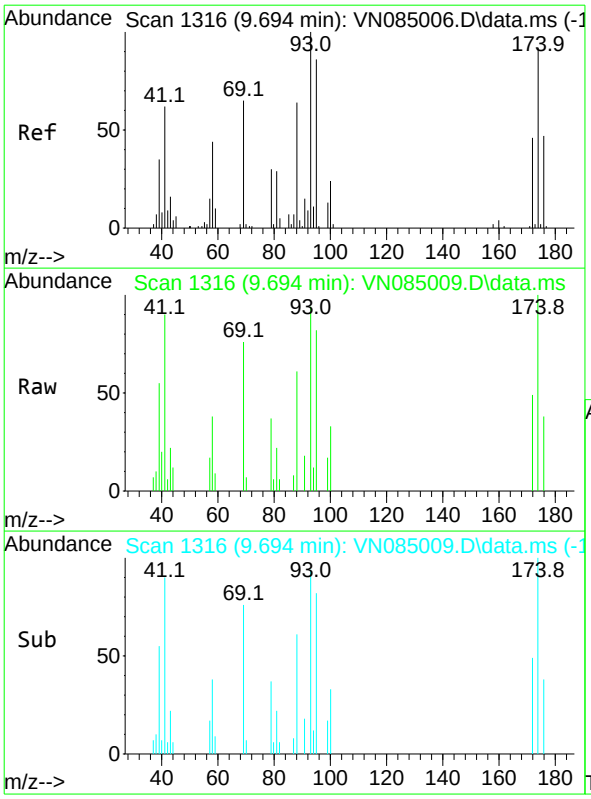


#48
Methyl methacrylate
Concen: 4.918 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 41 Resp: 8840

Ion	Ratio	Lower	Upper
41	100		
69	86.1	73.2	109.8
39	52.3	46.2	69.4





#49
1,4-Dioxane
Concen: 94.738 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 88 Resp: 2953

Ion	Ratio	Lower	Upper
88	100		
43	35.6	16.7	25.1#
58	80.8	56.5	84.7

Instrument :
MSVOA_N
ClientSampleId :
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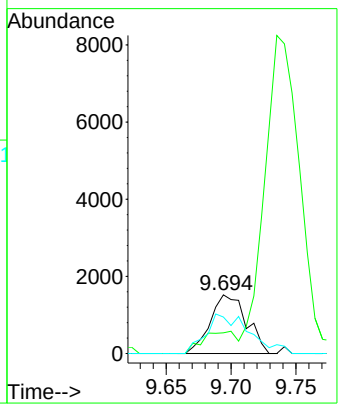
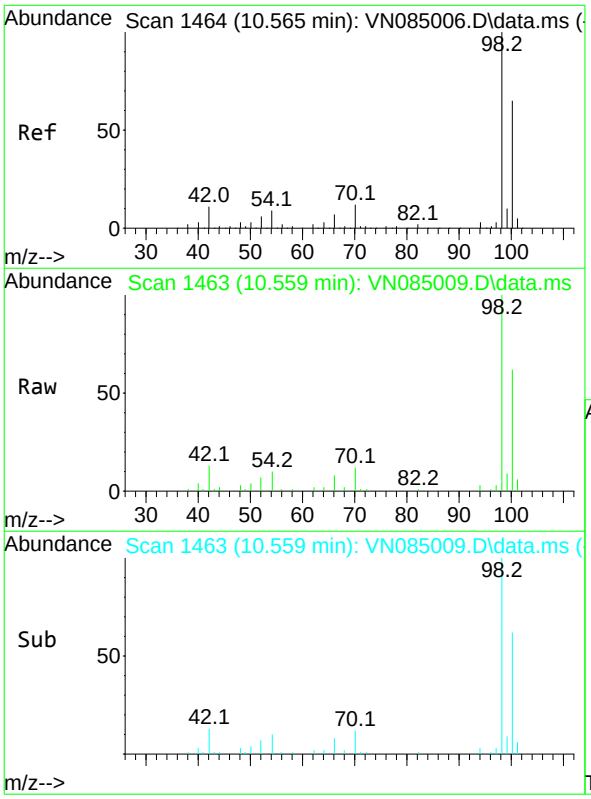
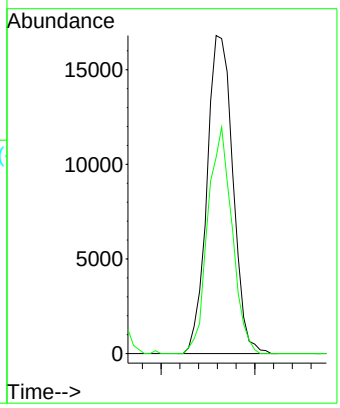


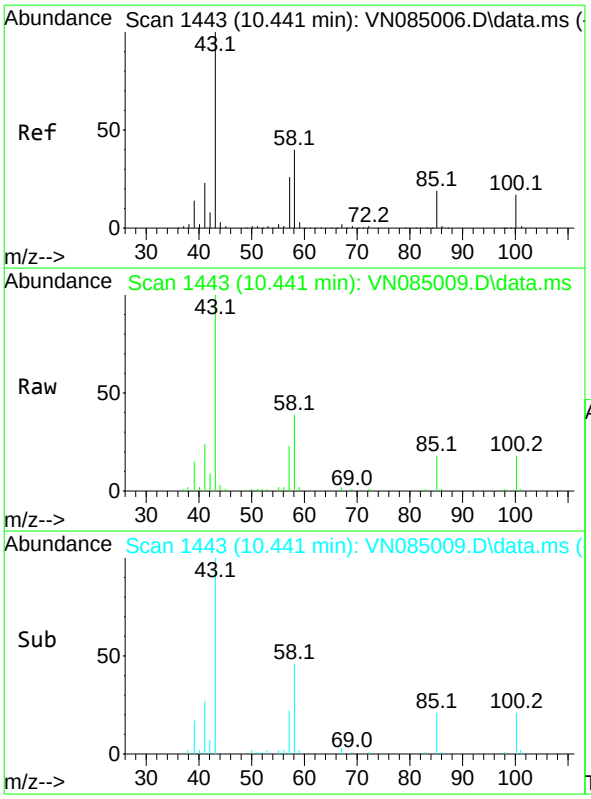


#50
Toluene-d8
Concen: 4.775 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 98 Resp: 32318

Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.5	78.7

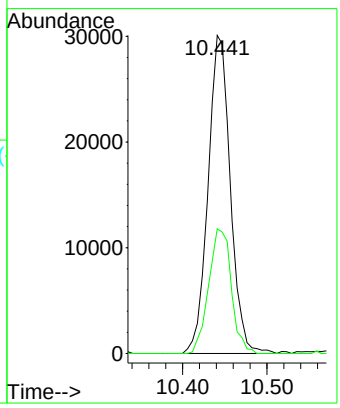




#51
4-Methyl-2-Pentanone
Concen: 25.010 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 43 Resp: 55176

Ion	Ratio	Lower	Upper
43	100		
58	39.8	32.1	48.1



Instrument :
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ClientSampleId :
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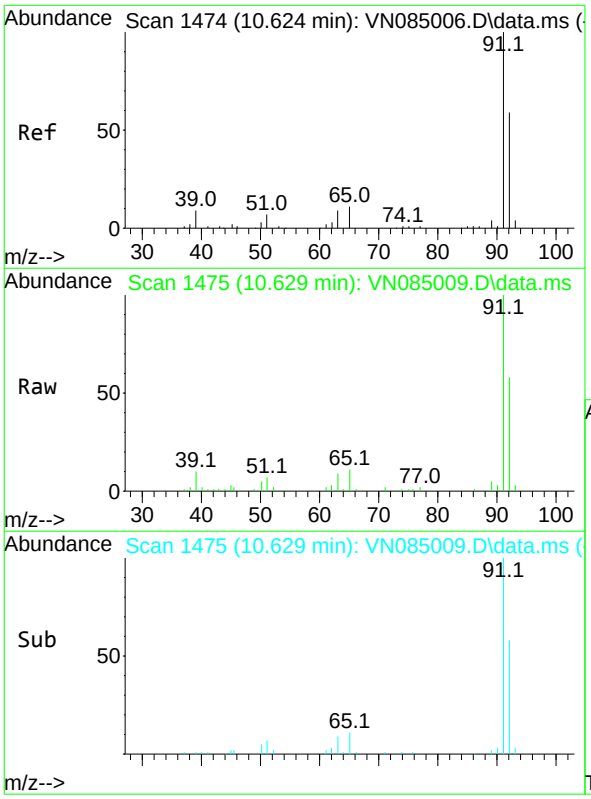
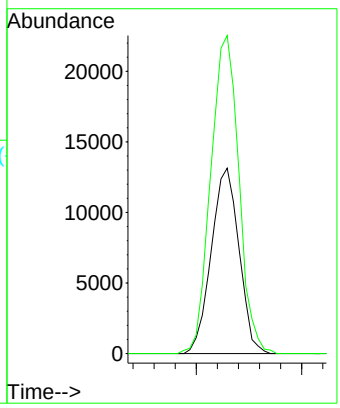
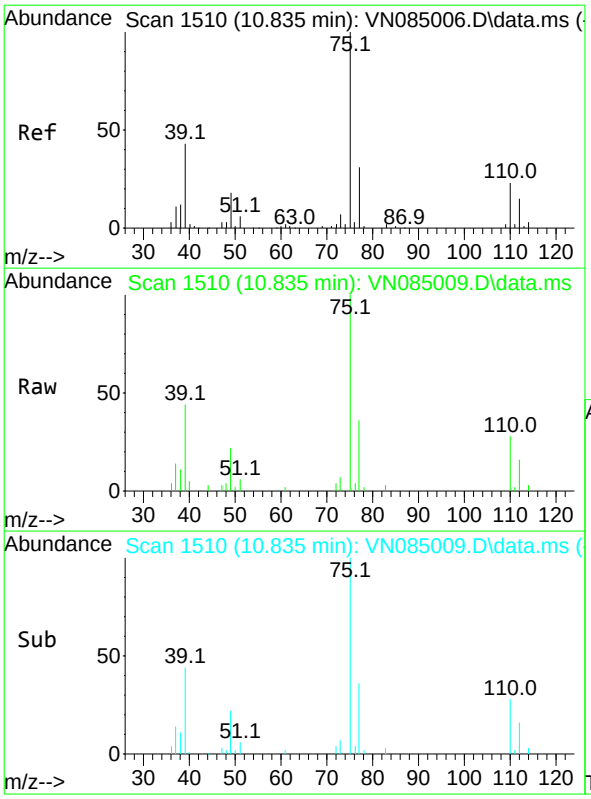


#52
Toluene
Concen: 5.022 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 92 Resp: 24051

Ion	Ratio	Lower	Upper
92	100		
91	173.6	136.7	205.1

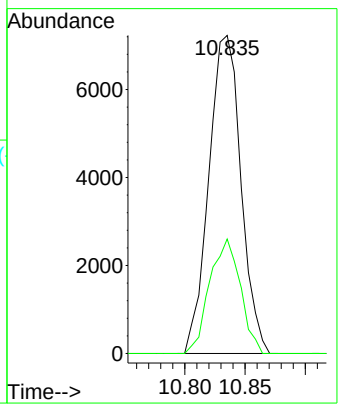




#53
t-1,3-Dichloropropene
Concen: 4.559 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 75 Resp: 13412

Ion	Ratio	Lower	Upper
75	100		
77	36.0	25.0	37.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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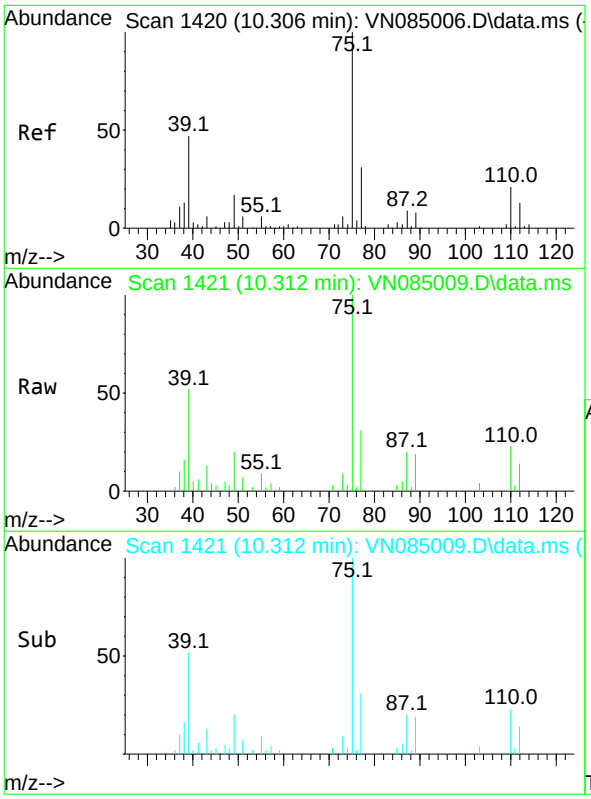
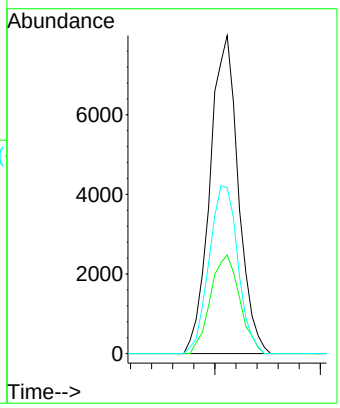
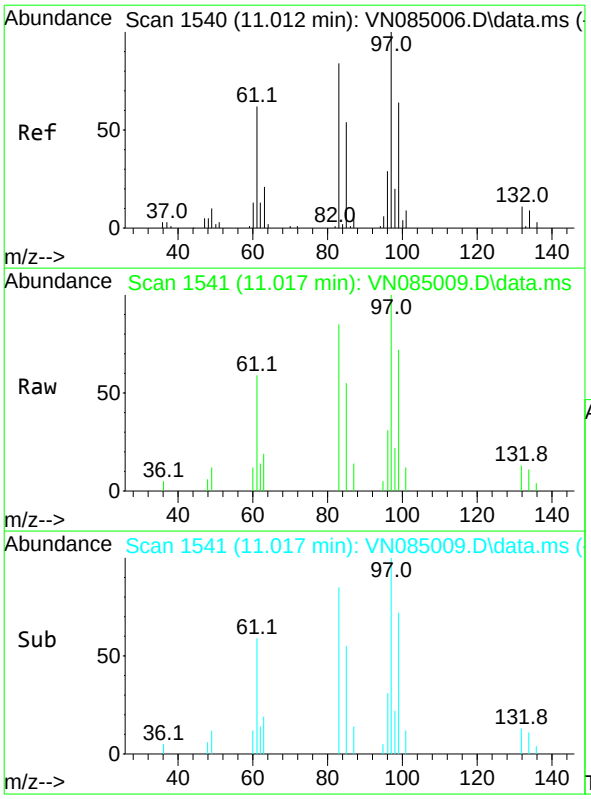


#54
cis-1,3-Dichloropropene
Concen: 4.779 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 75 Resp: 14917

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.0	37.4
39	52.2	37.6	56.4

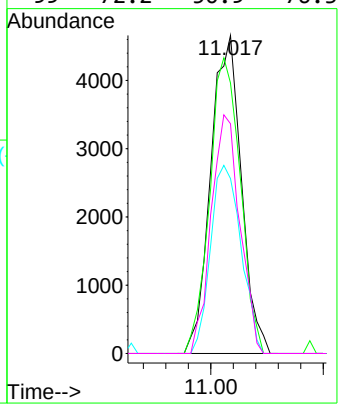




#55
1,1,2-Trichloroethane
Concen: 4.928 ug/l
RT: 11.017 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 97 Resp: 8791

Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.4	101.2
85	55.0	43.1	64.7
99	72.2	50.9	76.3



Instrument :
MSVOA_N
ClientSampleId :
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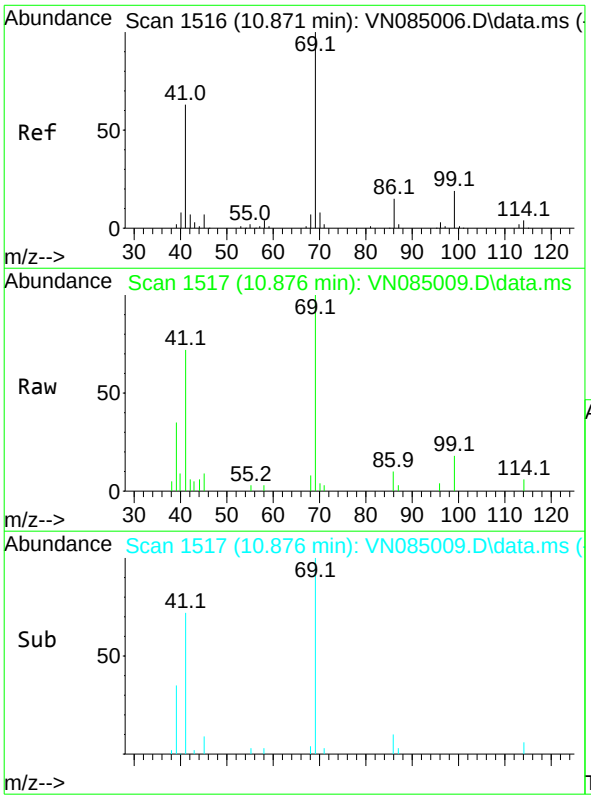
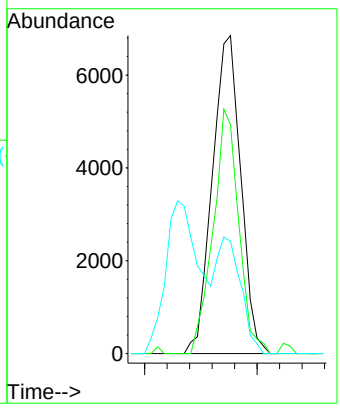
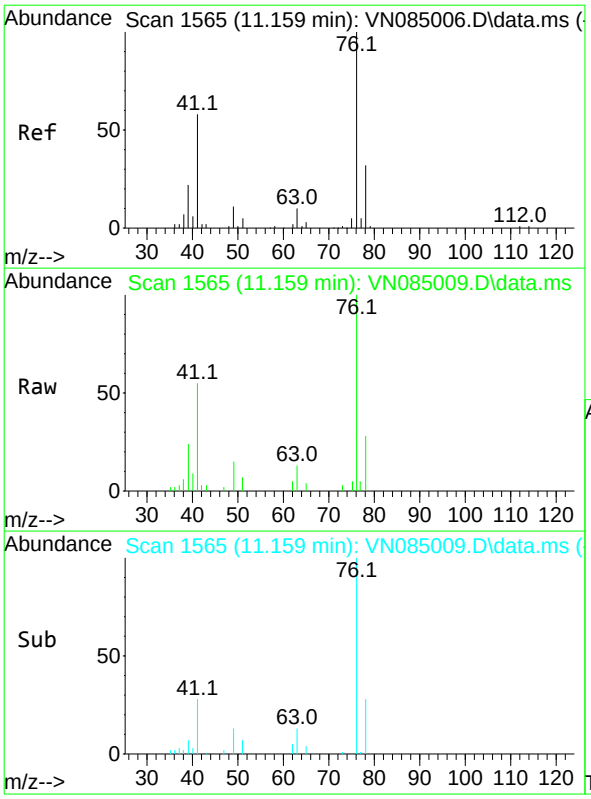


#56
Ethyl methacrylate
Concen: 4.605 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 69 Resp: 12004

Ion	Ratio	Lower	Upper
69	100		
41	69.4	50.0	75.0
39	31.3	27.0	40.6

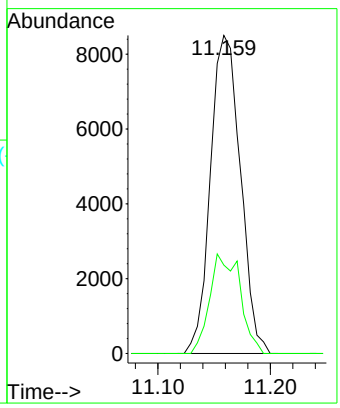




#57
1,3-Dichloropropane
Concen: 5.012 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 76 Resp: 15736

Ion	Ratio	Lower	Upper
76	100		
78	31.7	26.1	39.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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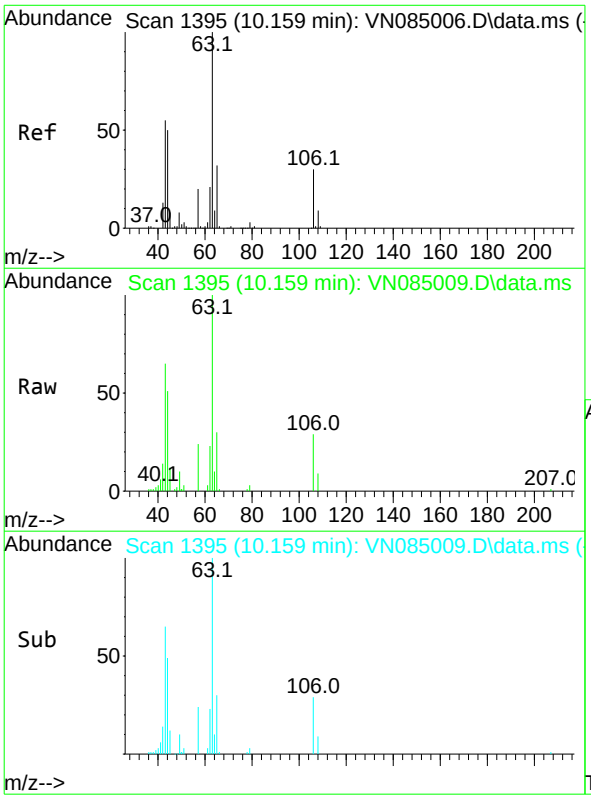
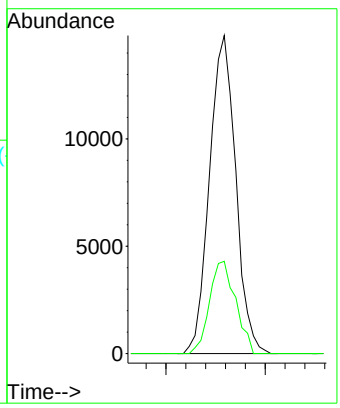
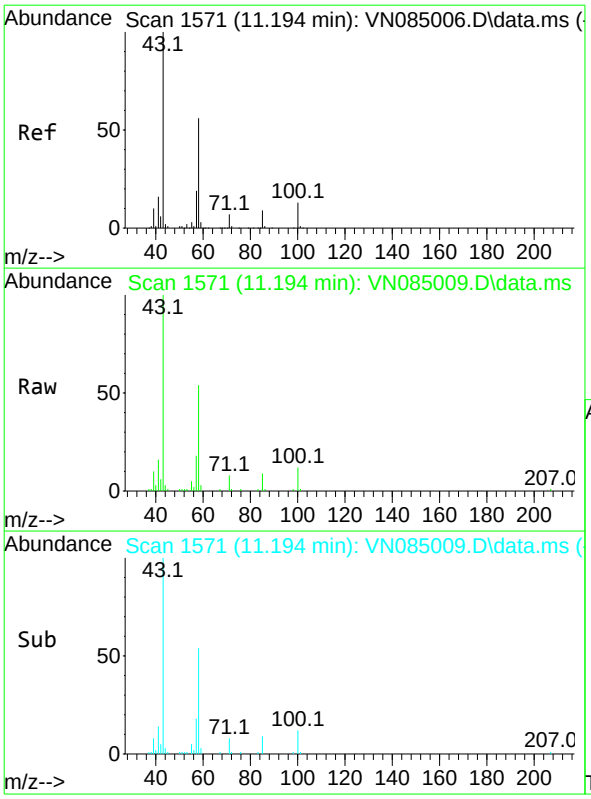


#58
2-Chloroethyl Vinyl ether
Concen: 21.254 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 63 Resp: 27177

Ion	Ratio	Lower	Upper
63	100		
106	28.8	23.0	34.6

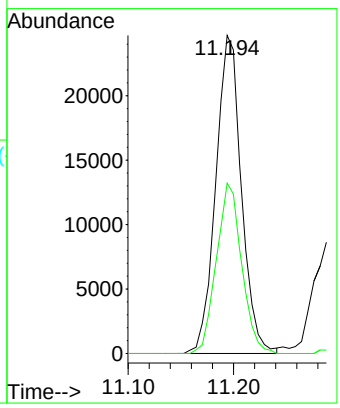




#59
2-Hexanone
Concen: 25.237 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 43 Resp: 41641

Ion	Ratio	Lower	Upper
43	100		
58	52.8	28.3	85.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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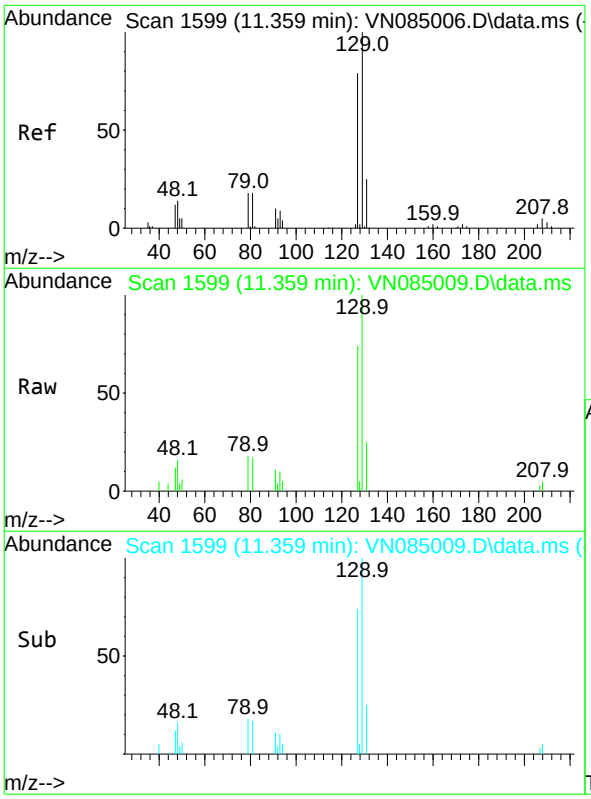
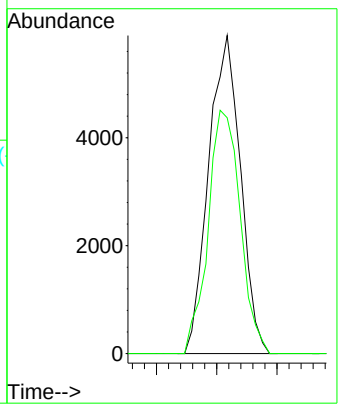
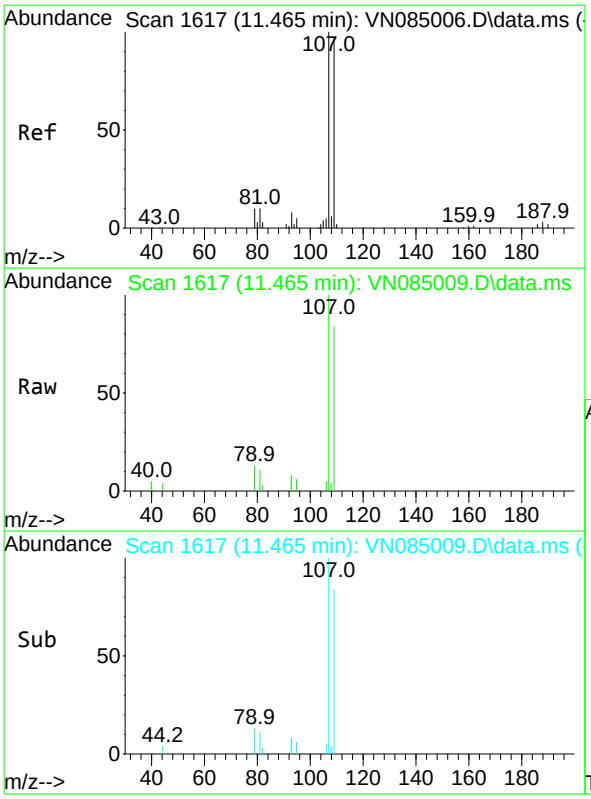


#60
Dibromochloromethane
Concen: 4.974 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:129 Resp: 10844

Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.2	117.6

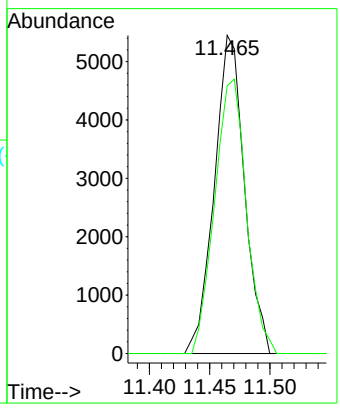




#61
1,2-Dibromoethane
Concen: 5.128 ug/l
RT: 11.465 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:107 Resp: 9468

Ion	Ratio	Lower	Upper
107	100		
109	90.8	76.1	114.1



Instrument :
MSVOA_N
ClientSampleId :
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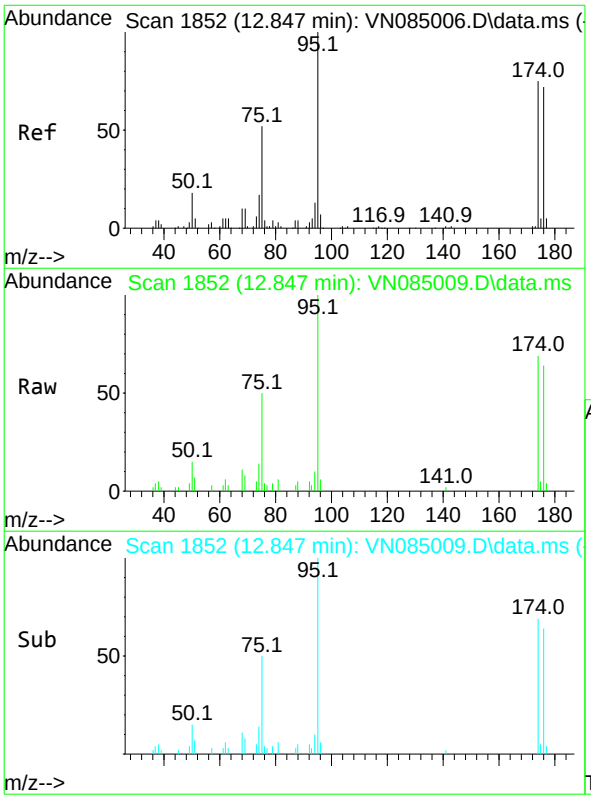
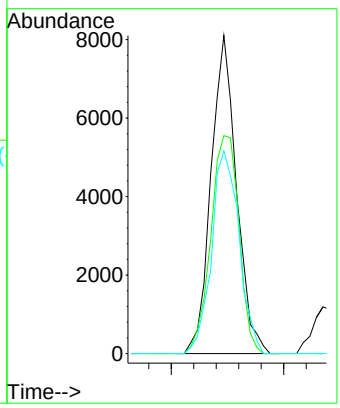
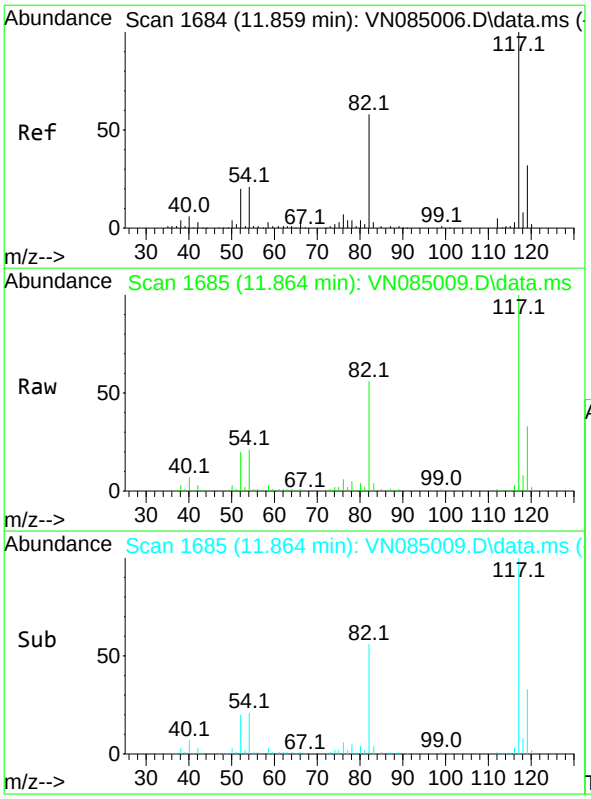


#62
4-Bromofluorobenzene
Concen: 5.024 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 95 Resp: 12715

Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	146.6
176	68.8	0.0	141.8

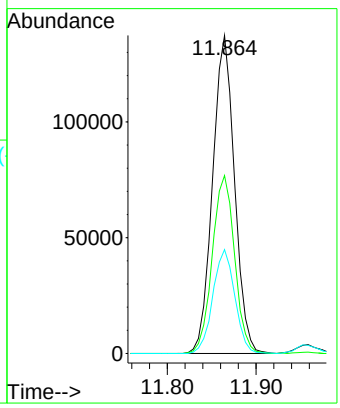




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:117 Resp: 235767

Ion	Ratio	Lower	Upper
117	100		
82	55.9	46.0	69.0
119	32.7	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
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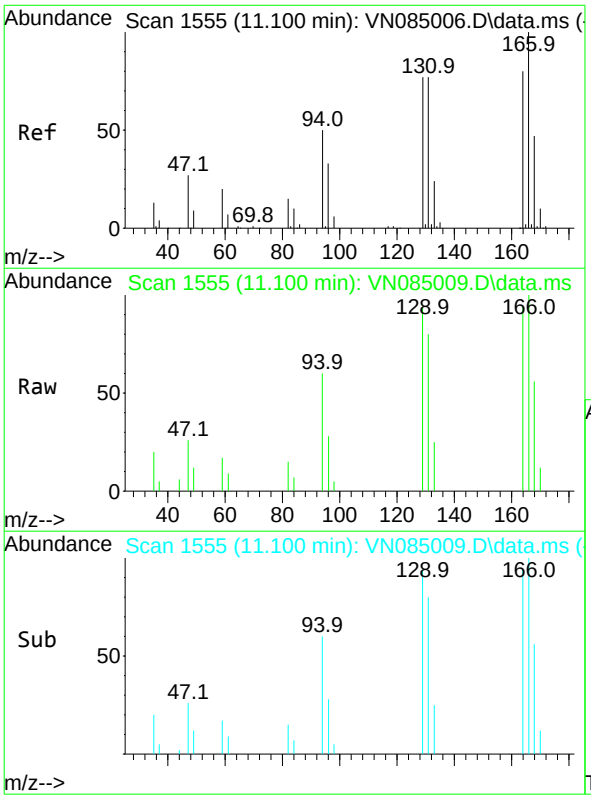
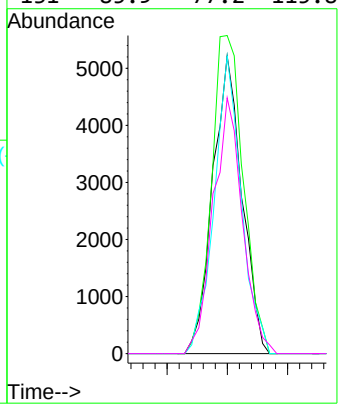
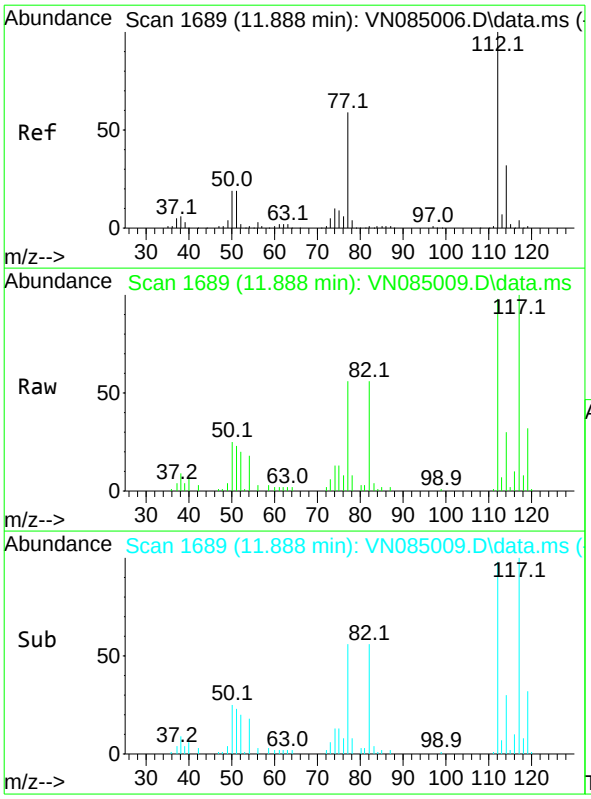


#64
Tetrachloroethene
Concen: 5.556 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:164 Resp: 8826

Ion	Ratio	Lower	Upper
164	100		
166	106.8	100.6	151.0
129	99.9	77.7	116.5
131	85.9	77.2	115.8

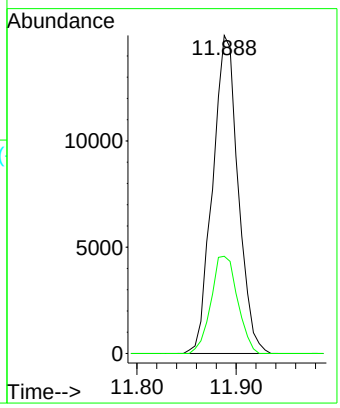




#65
Chlorobenzene
Concen: 4.997 ug/l
RT: 11.888 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:112 Resp: 26717

Ion	Ratio	Lower	Upper
112	100		
114	30.6	25.8	38.6



Instrument :
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ClientSampleId :
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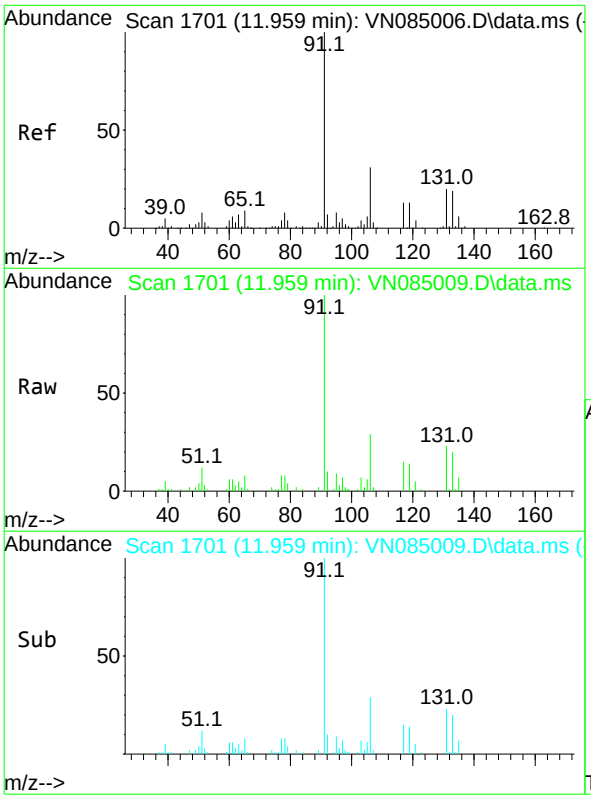
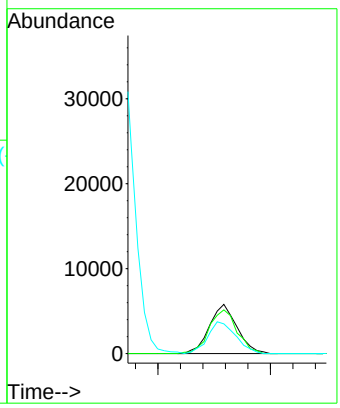
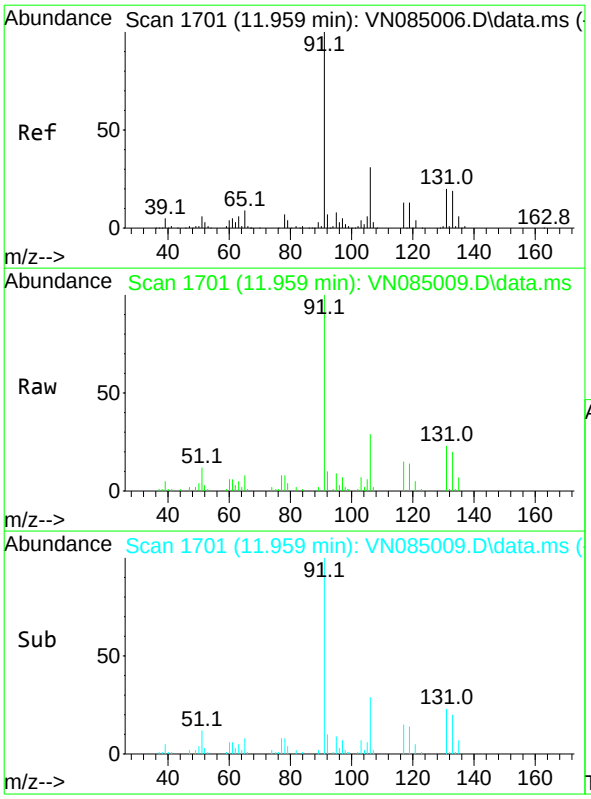


#66
1,1,1,2-Tetrachloroethane
Concen: 5.261 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:131 Resp: 9904

Ion	Ratio	Lower	Upper
131	100		
133	89.9	47.8	143.4
119	65.0	32.1	96.3

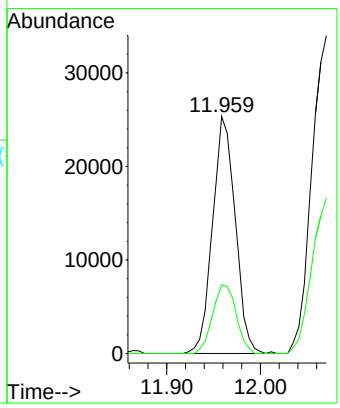




#67
Ethyl Benzene
Concen: 4.916 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 91 Resp: 42642

Ion	Ratio	Lower	Upper
91	100		
106	28.9	24.7	37.1



Instrument :
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ClientSampleId :
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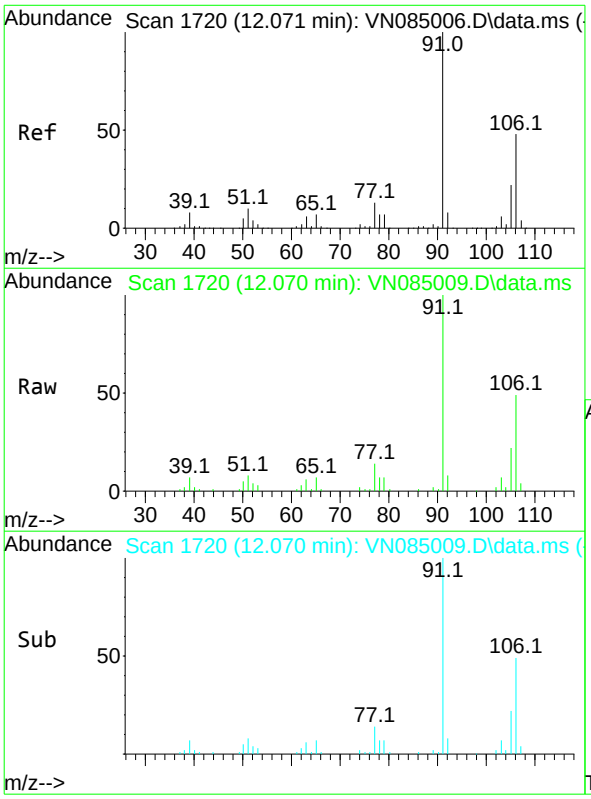
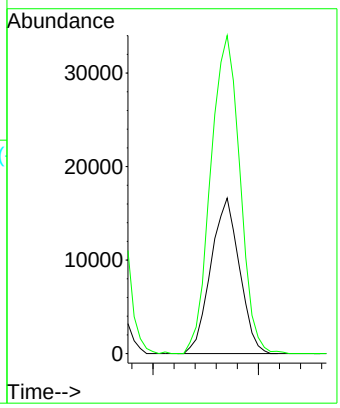
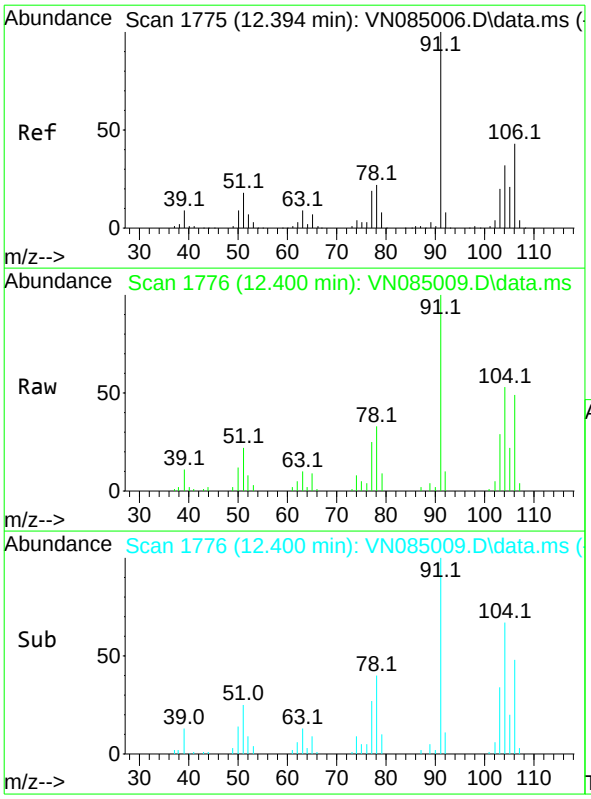


#68
m/p-Xylenes
Concen: 9.514 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:106 Resp: 31421

Ion	Ratio	Lower	Upper
106	100		
91	208.8	168.0	252.0

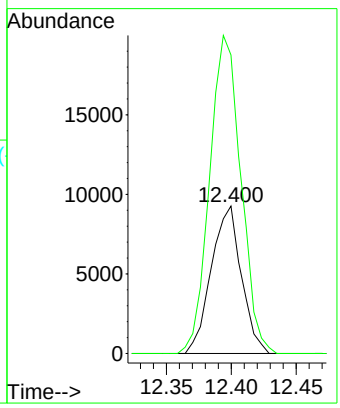




#69
o-Xylene
Concen: 4.754 ug/l
RT: 12.400 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:106 Resp: 14935

Ion	Ratio	Lower	Upper
106	100		
91	224.5	110.7	331.9



Instrument :
MSVOA_N
ClientSampleId :
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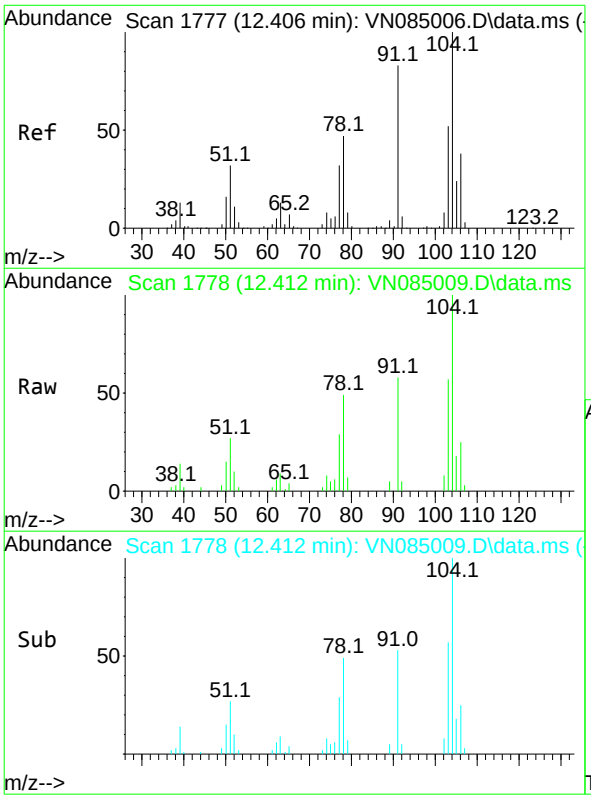
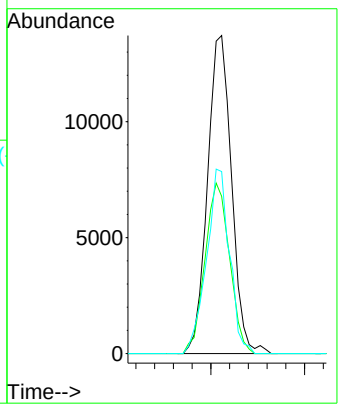
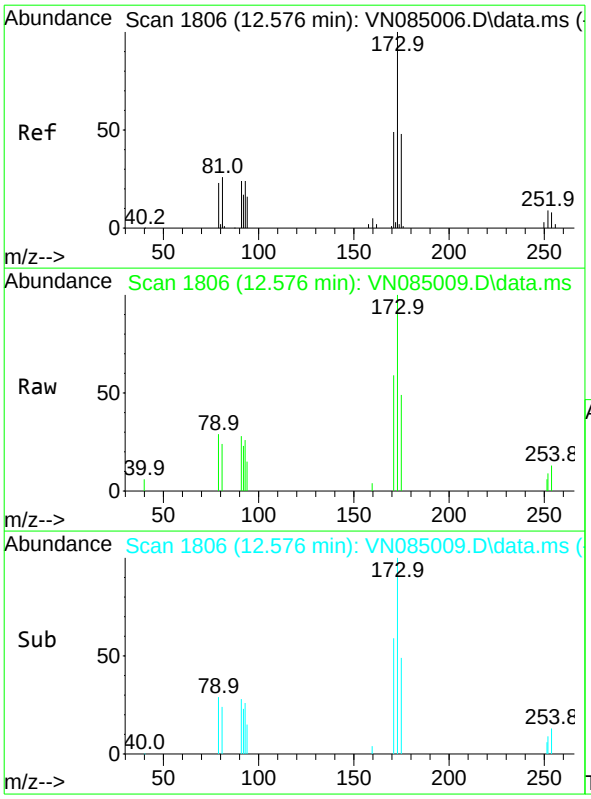


#70
Styrene
Concen: 4.686 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:104 Resp: 24480

Ion	Ratio	Lower	Upper
104	100		
78	54.8	42.3	63.5
103	55.3	44.2	66.2

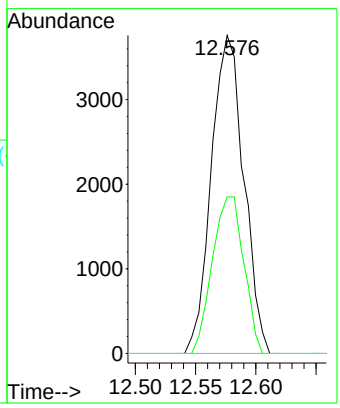




#71
Bromoform
Concen: 5.038 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:173 Resp: 7040

Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.8	71.2
254	0.0	0.0	0.0



Instrument :
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ClientSampleId :
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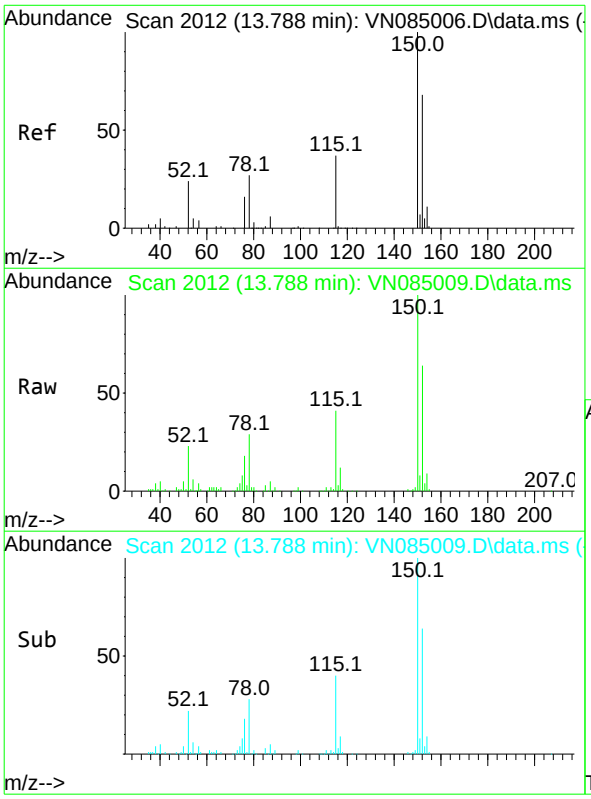
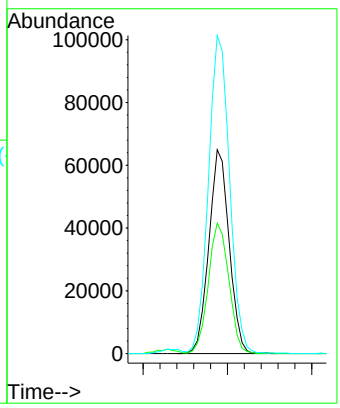
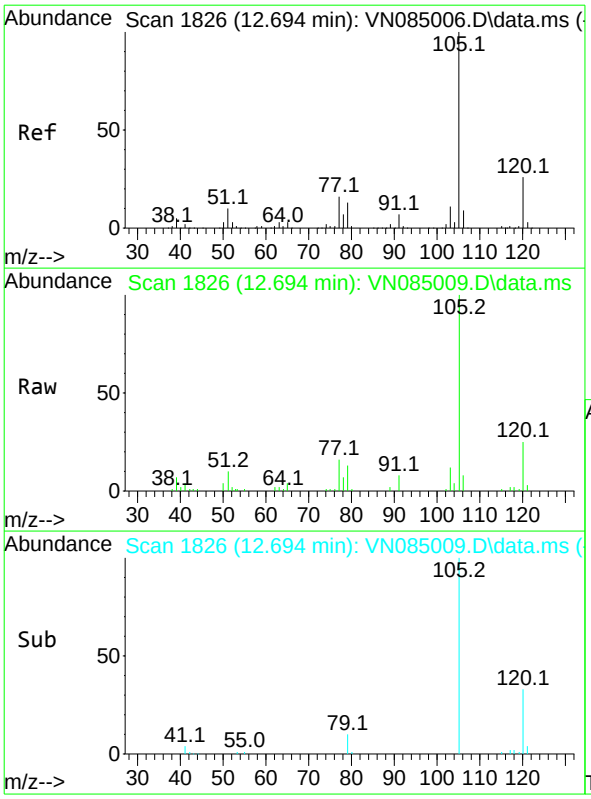


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:152 Resp: 108389

Ion	Ratio	Lower	Upper
152	100		
115	64.7	31.7	95.1
150	162.8	0.0	351.4

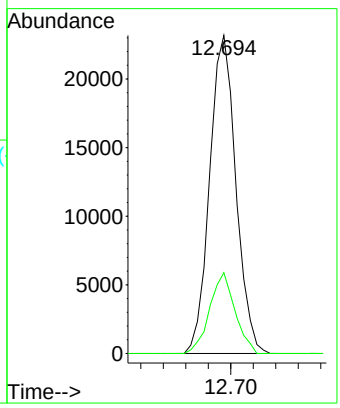




#73
Isopropylbenzene
Concen: 4.910 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:105 Resp: 37544

Ion	Ratio	Lower	Upper
105	100		
120	24.6	13.0	39.0



Instrument :
MSVOA_N
ClientSampleId :
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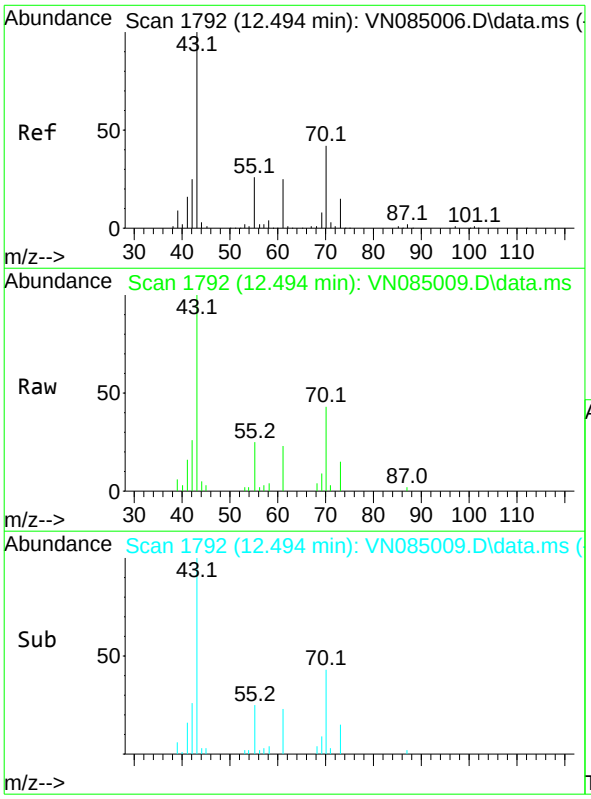
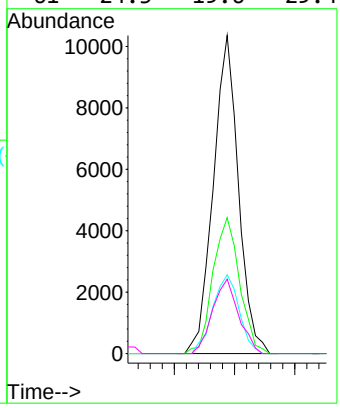
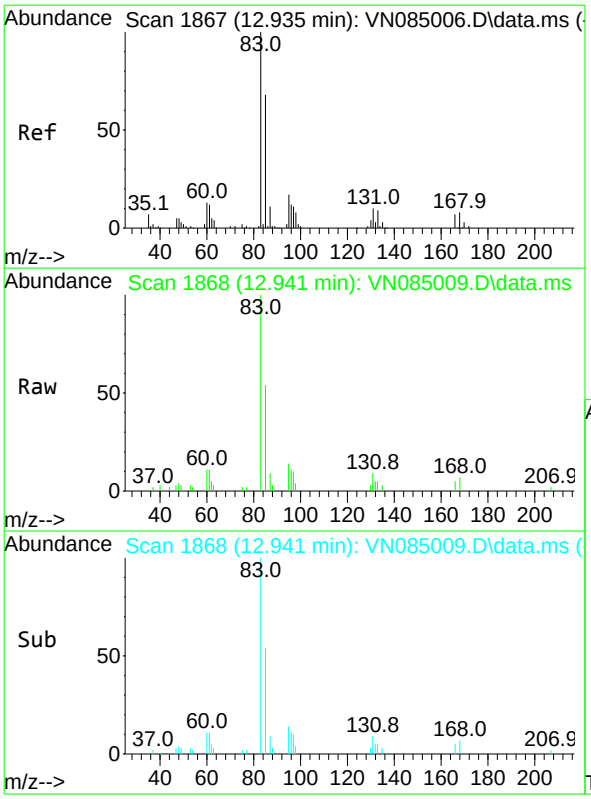


#74
N-amyl acetate
Concen: 4.759 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 43 Resp: 14995

Ion	Ratio	Lower	Upper
43	100		
70	45.3	34.6	51.8
55	26.0	20.5	30.7
61	24.3	19.6	29.4

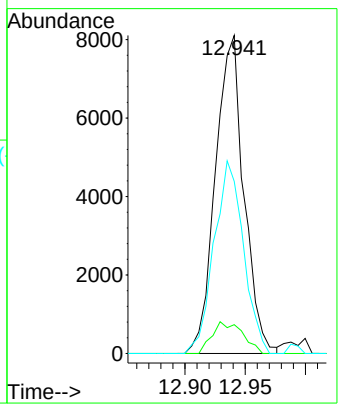




#75
1,1,2,2-Tetrachloroethane
Concen: 5.109 ug/l
RT: 12.941 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 83 Resp: 13341

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.1	15.4
85	62.6	32.1	96.3



Instrument :
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ClientSampleId :
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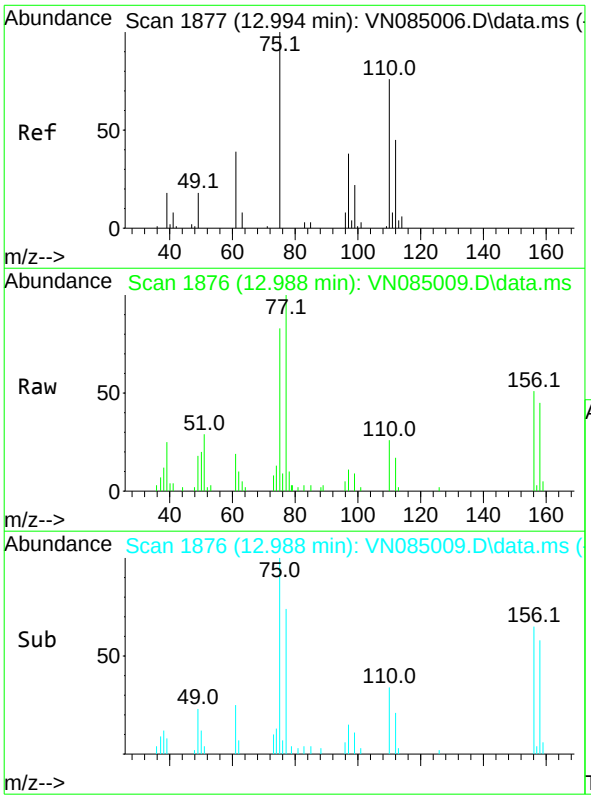
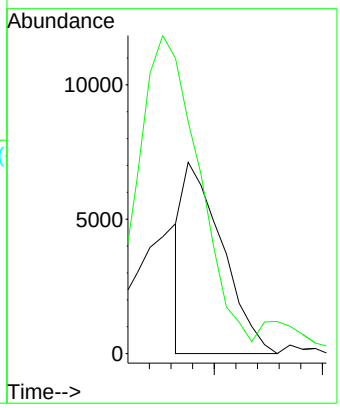
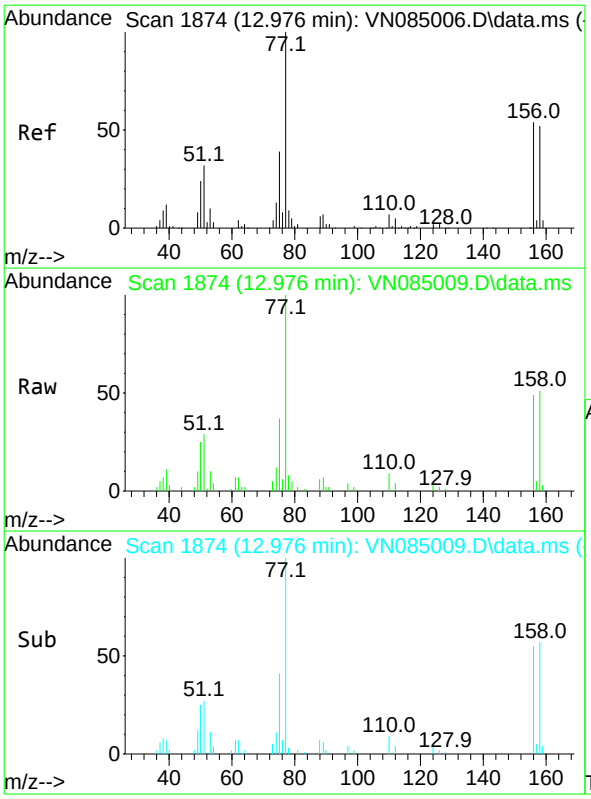


#76
1,2,3-Trichloropropane
Concen: 4.393 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 75 Resp: 8907

Ion	Ratio	Lower	Upper
75	100		
77	269.2	109.1	327.4

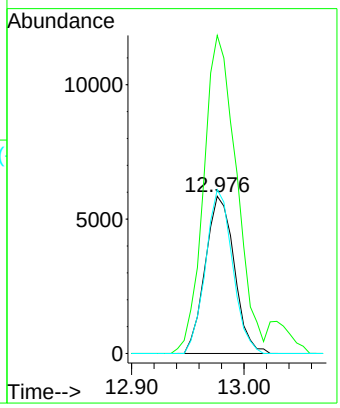




#77
Bromobenzene
Concen: 5.095 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:156 Resp: 10485

Ion	Ratio	Lower	Upper
156	100		
77	228.7	107.2	321.6
158	97.2	48.5	145.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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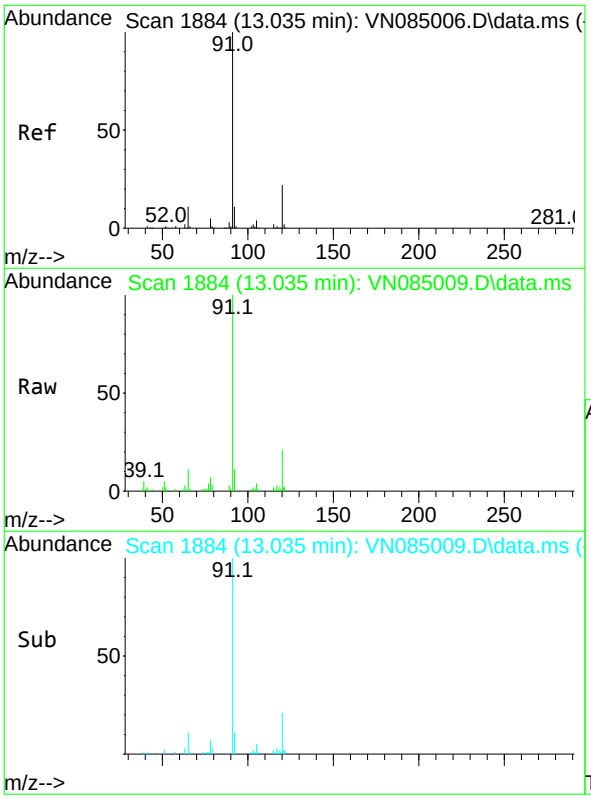
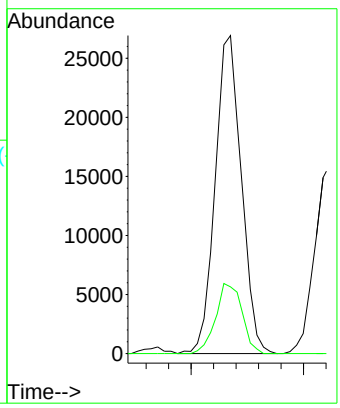
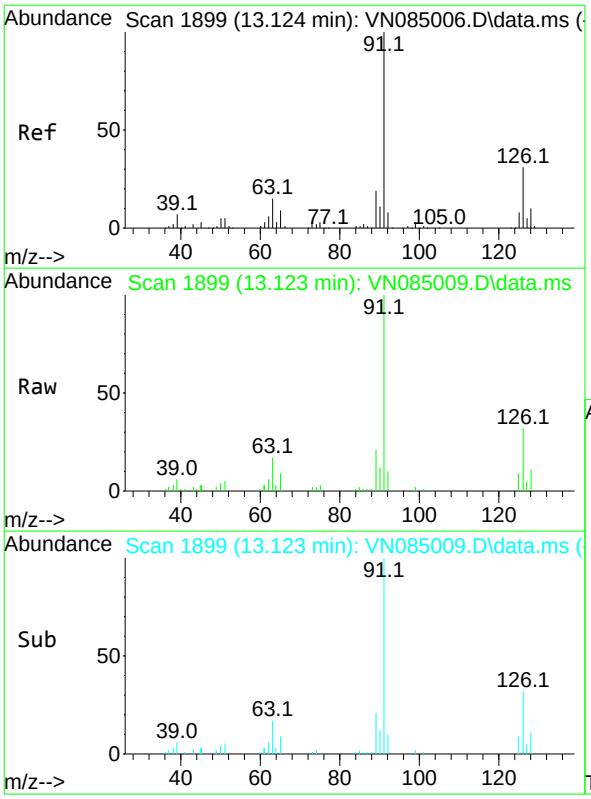


#78
n-propylbenzene
Concen: 4.931 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 91 Resp: 43493

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.3	33.9

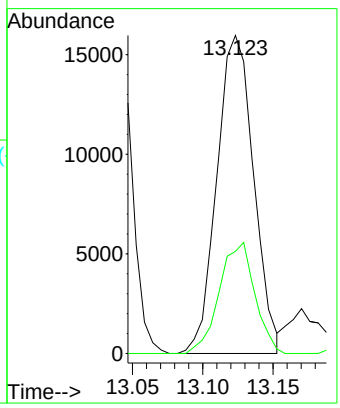




#79
2-Chlorotoluene
Concen: 4.932 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 91 Resp: 29037

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.1	48.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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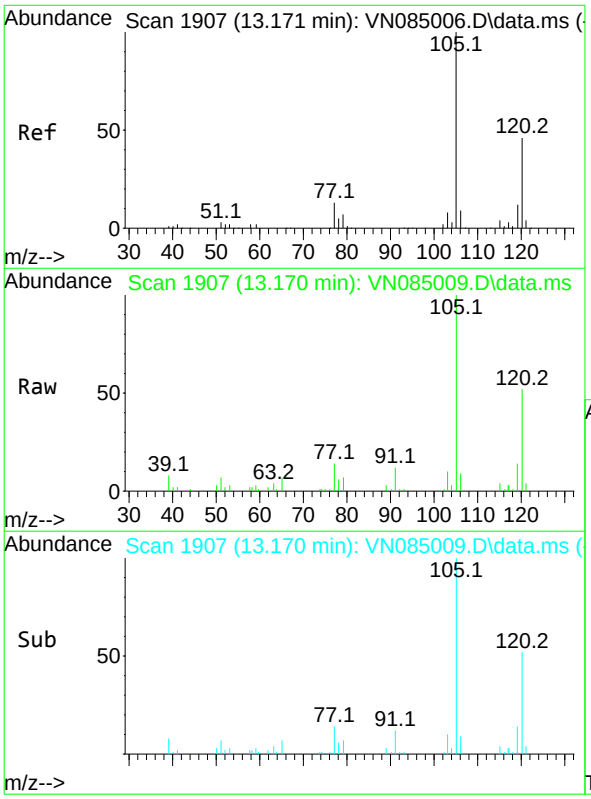
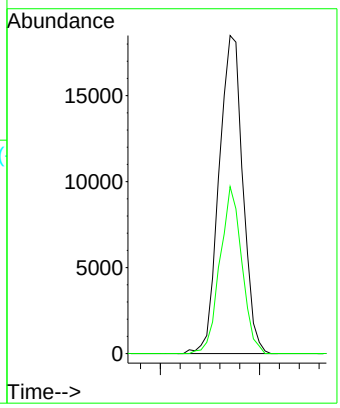
Supervised By :Mahesh Dadoda 11/25/2024

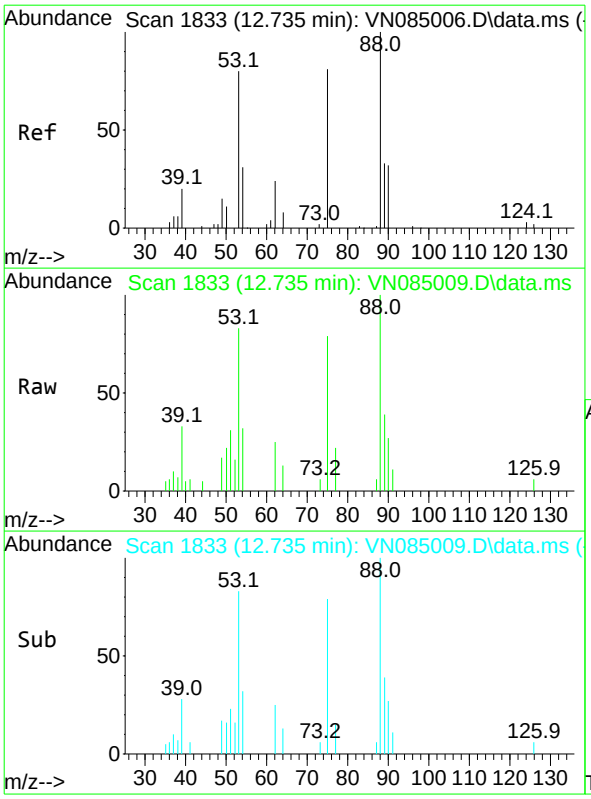


#80
1,3,5-Trimethylbenzene
Concen: 4.802 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:105 Resp: 30809

Ion	Ratio	Lower	Upper
105	100		
120	48.4	23.6	71.0

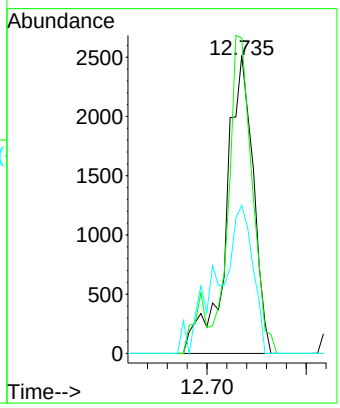




#81
trans-1,4-Dichloro-2-butene
Concen: 5.502 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 75 Resp: 4774

Ion	Ratio	Lower	Upper
75	100		
53	92.4	78.2	117.4
89	64.5	37.9	56.9#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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Reviewed By :John Carlone 11/25/2024
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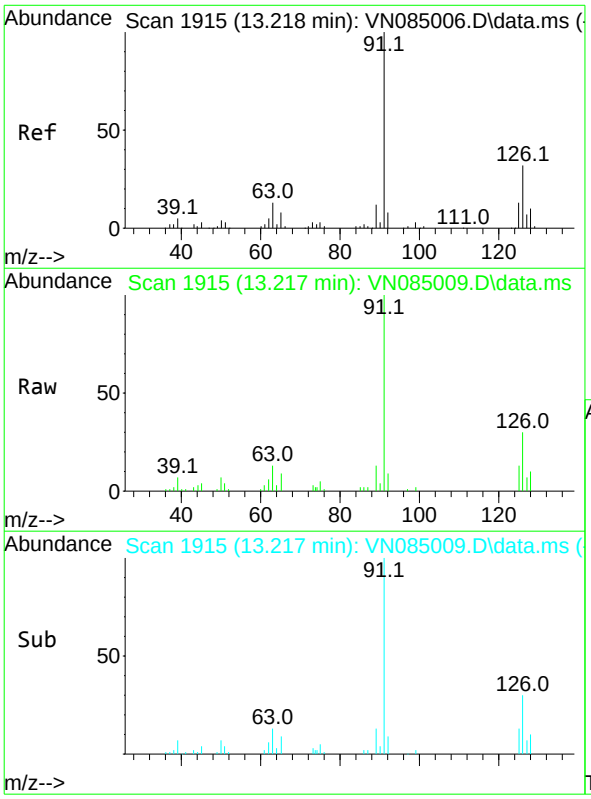
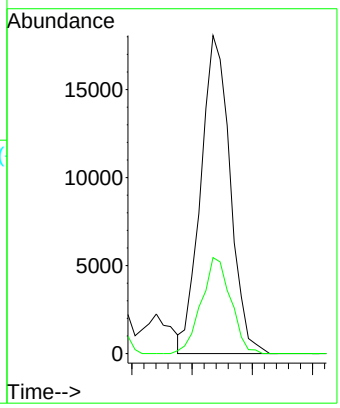
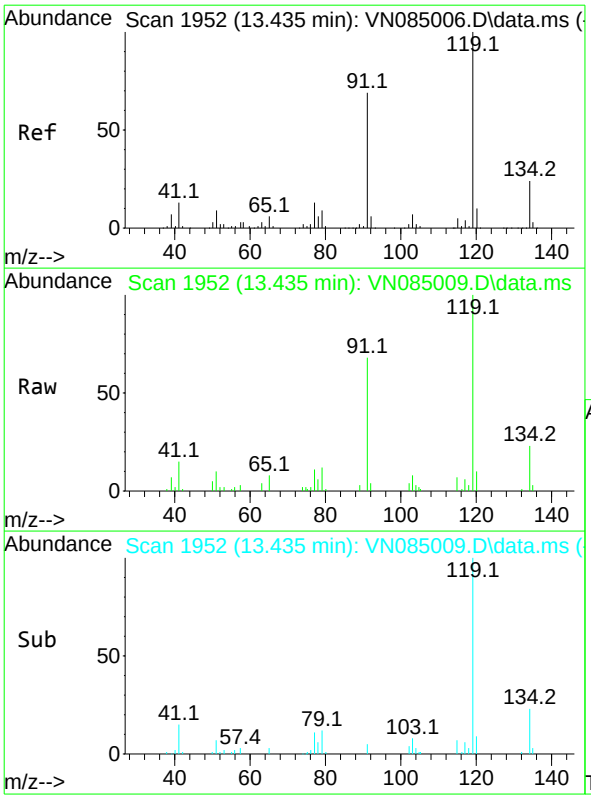


#82
4-Chlorotoluene
Concen: 4.986 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 91 Resp: 30558

Ion	Ratio	Lower	Upper
91	100		
126	30.2	16.1	48.3

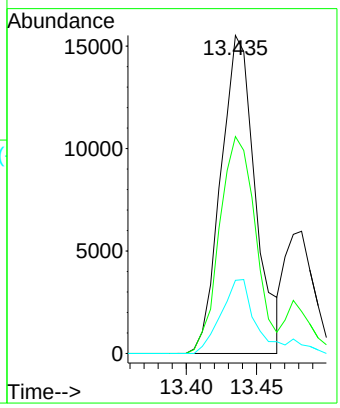




#83
tert-Butylbenzene
Concen: 4.797 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:119 Resp: 26485

Ion	Ratio	Lower	Upper
119	100		
91	71.1	35.1	105.5
134	22.9	12.1	36.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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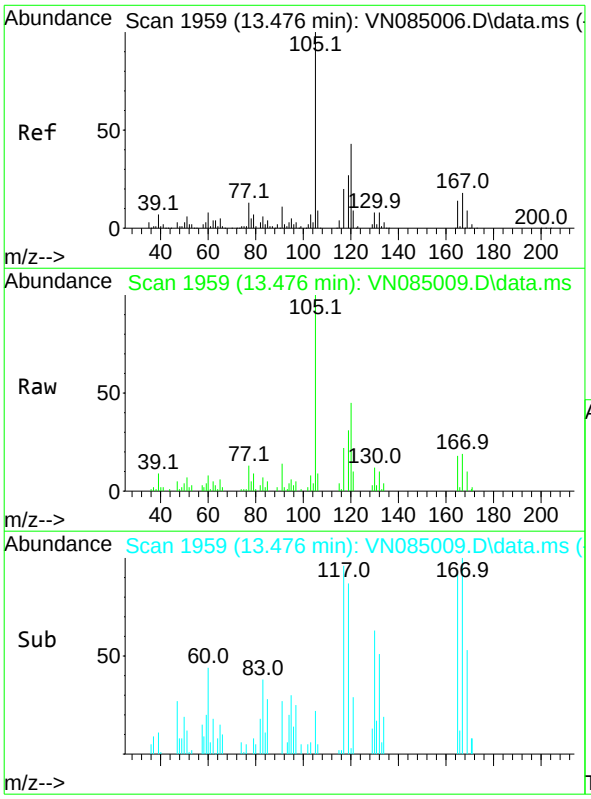
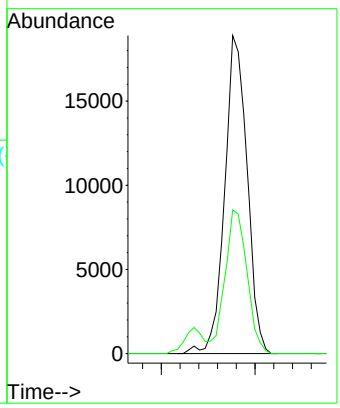
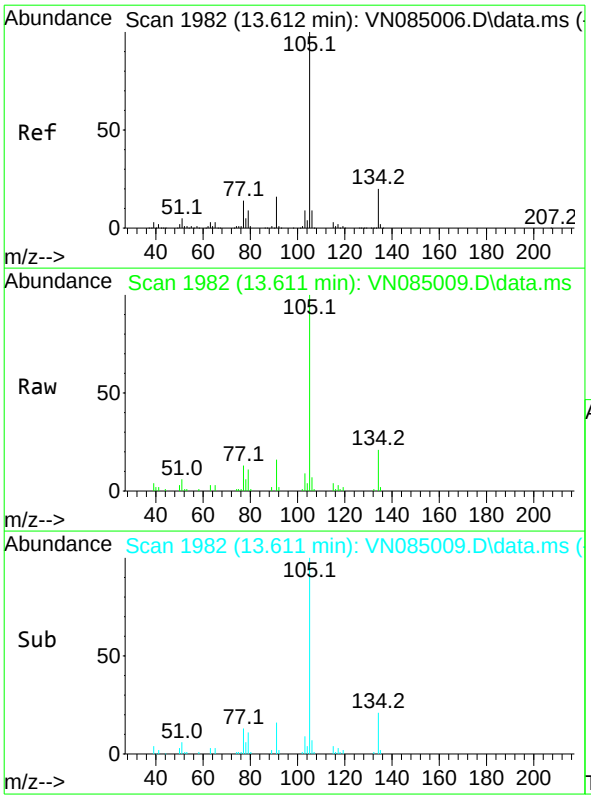


#84
1,2,4-Trimethylbenzene
Concen: 4.743 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:105 Resp: 31328

Ion	Ratio	Lower	Upper
105	100		
120	45.0	21.8	65.4

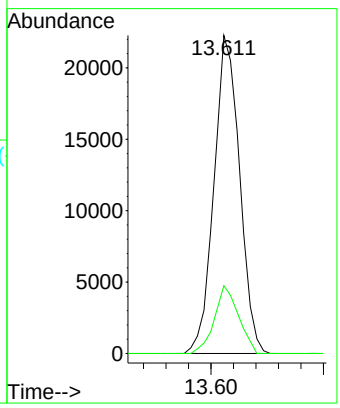




#85
sec-Butylbenzene
Concen: 4.718 ug/l
RT: 13.611 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:105 Resp: 35183

Ion	Ratio	Lower	Upper
105	100		
134	20.0	9.8	29.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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Reviewed By :John Carlone 11/25/2024
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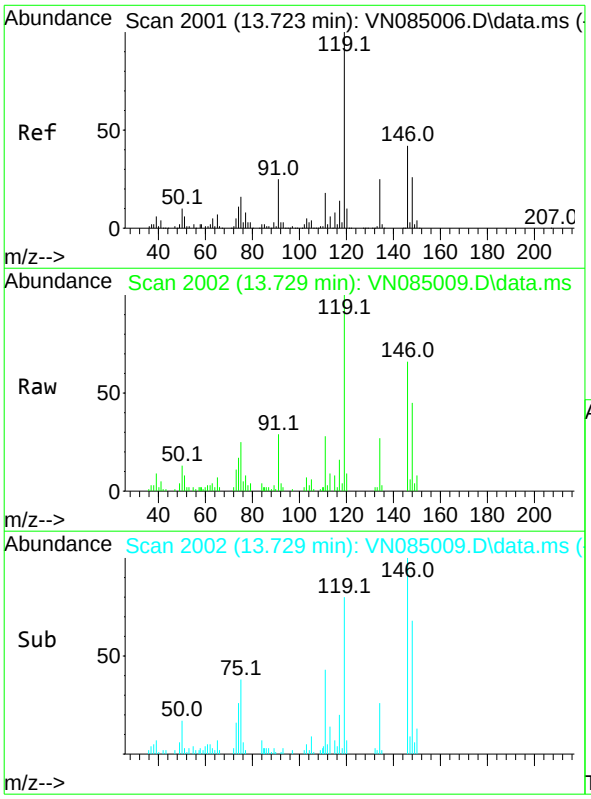
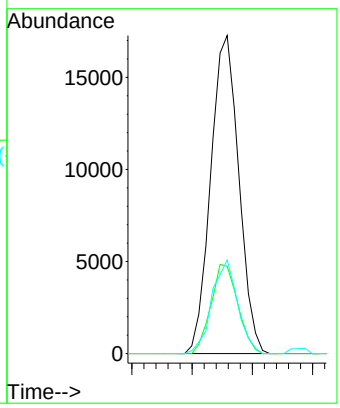
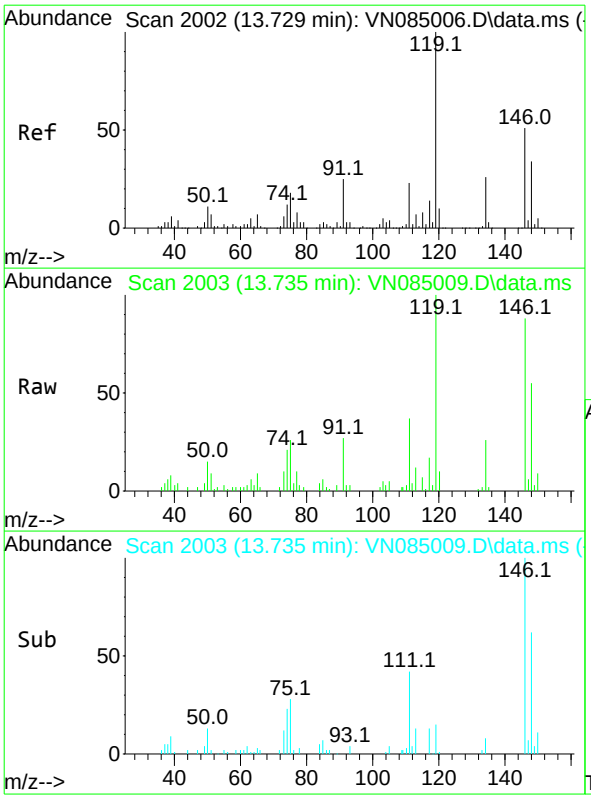


#86
p-Isopropyltoluene
Concen: 4.551 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:119 Resp: 28019

Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.0	39.0
91	27.0	12.8	38.4

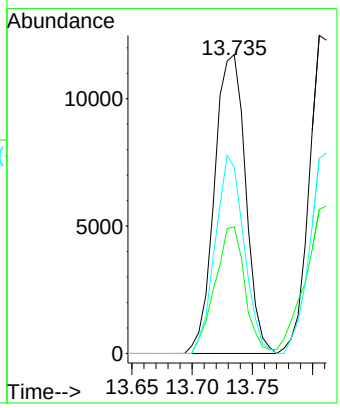




#87
1,3-Dichlorobenzene
Concen: 5.185 ug/l
RT: 13.735 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:146 Resp: 21043

Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.6	65.0
148	61.6	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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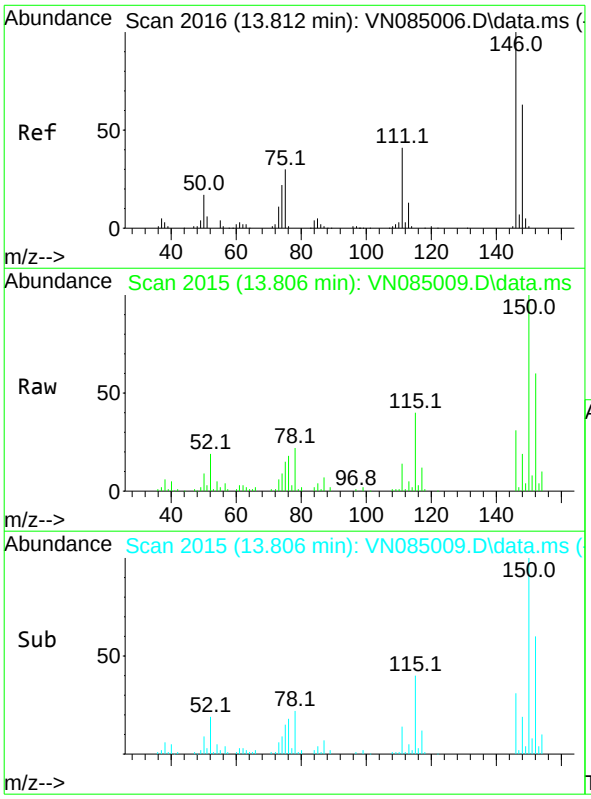
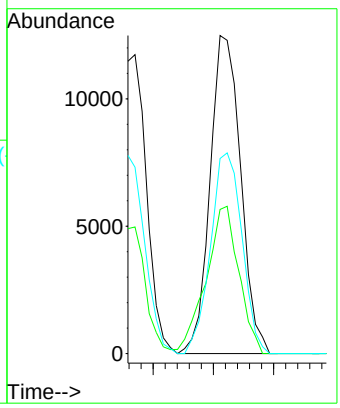
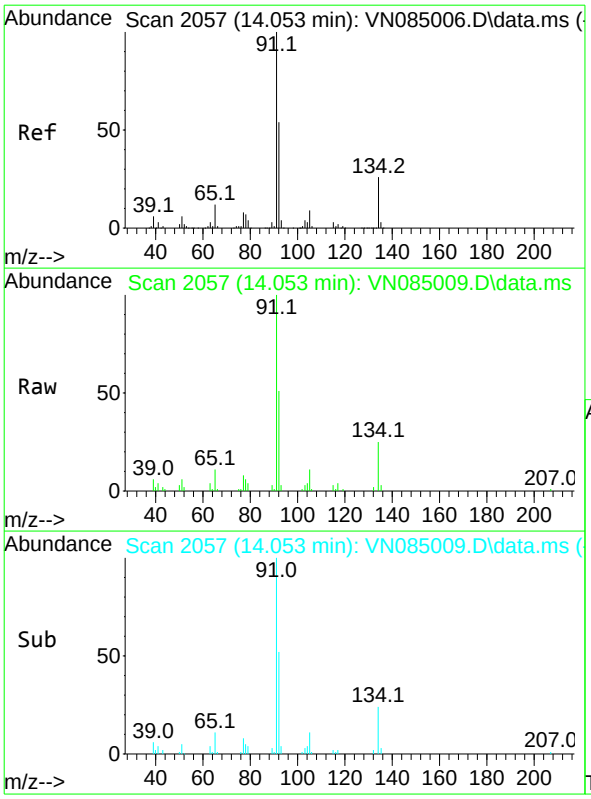


#88
1,4-Dichlorobenzene
Concen: 5.322 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:146 Resp: 22041

Ion	Ratio	Lower	Upper
146	100		
111	49.8	20.9	62.8
148	65.0	31.3	93.9

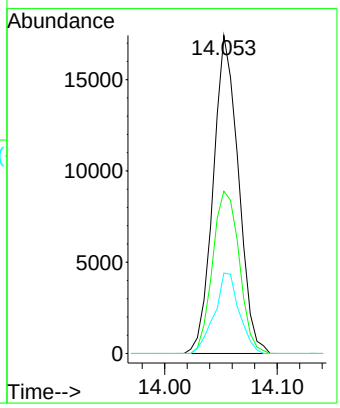




#89
n-Butylbenzene
Concen: 4.732 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 91 Resp: 27093

Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.8	80.3
134	24.9	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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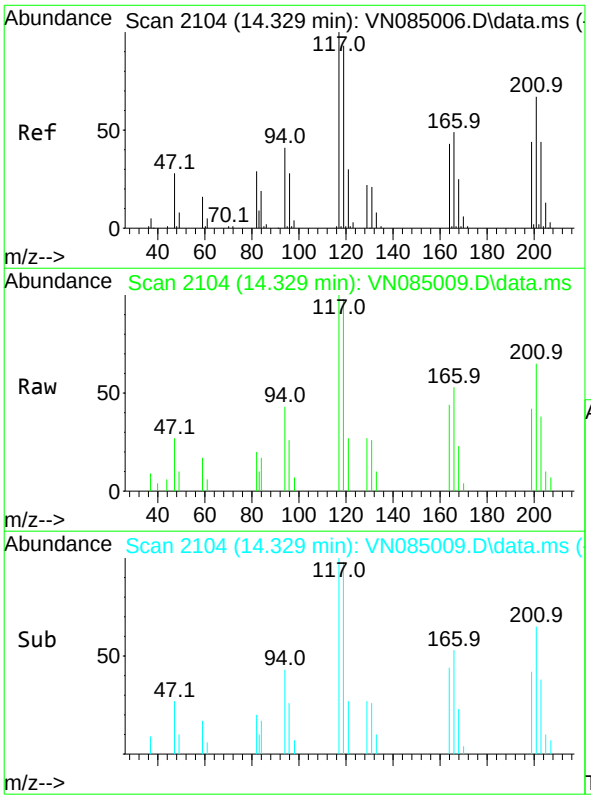
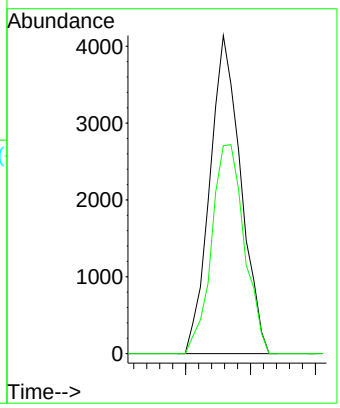
Supervised By :Mahesh Dadoda 11/25/2024

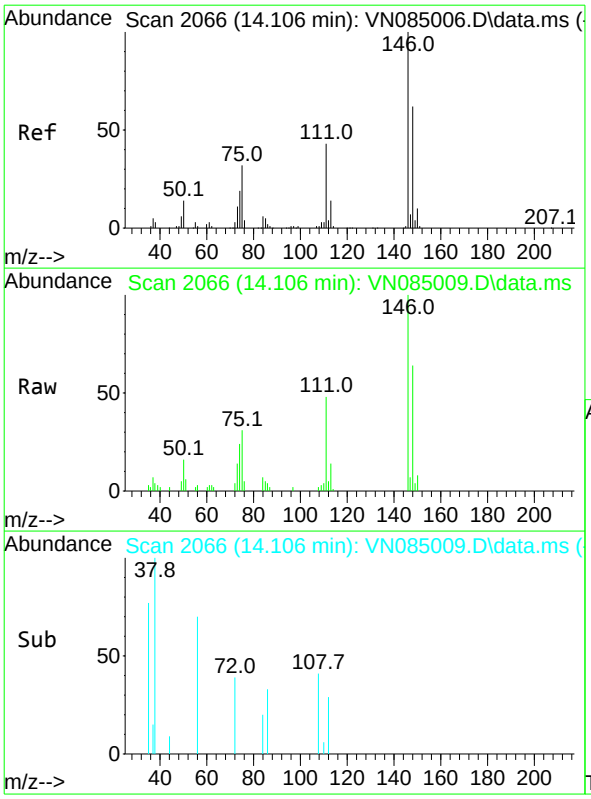


#90
Hexachloroethane
Concen: 5.119 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:117 Resp: 6869

Ion	Ratio	Lower	Upper
117	100		
201	69.4	35.2	105.6

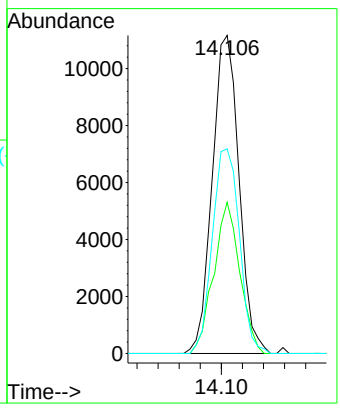




#91
1,2-Dichlorobenzene
Concen: 5.058 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:146 Resp: 19670

Ion	Ratio	Lower	Upper
146	100		
111	46.4	21.9	65.8
148	65.1	31.1	93.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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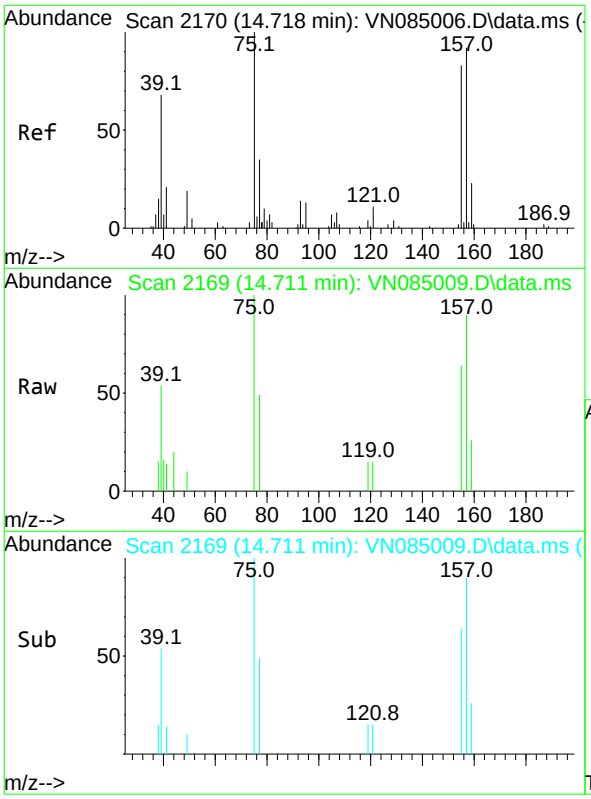
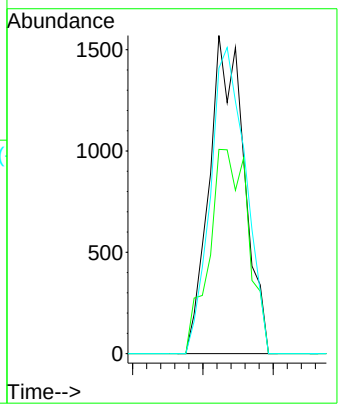
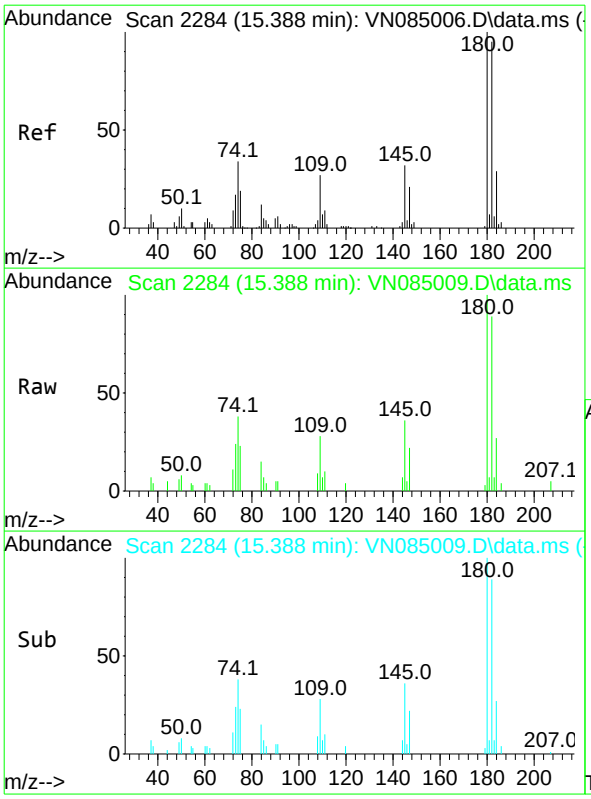


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.353 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 75 Resp: 2703

Ion	Ratio	Lower	Upper
75	100		
155	71.9	38.9	116.7
157	97.4	48.3	144.9

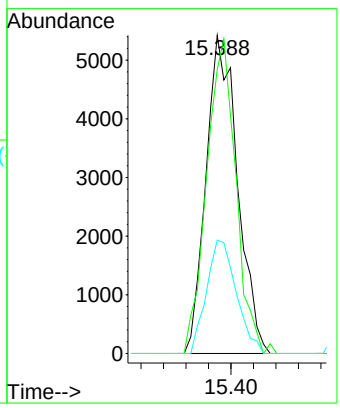




#93
1,2,4-Trichlorobenzene
Concen: 4.992 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:180 Resp: 10547

Ion	Ratio	Lower	Upper
180	100		
182	92.0	46.9	140.8
145	33.7	16.3	48.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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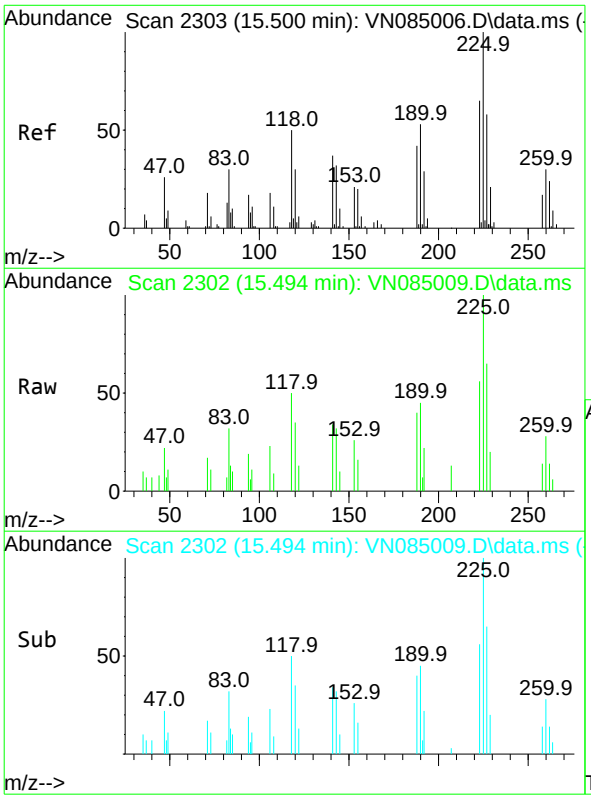
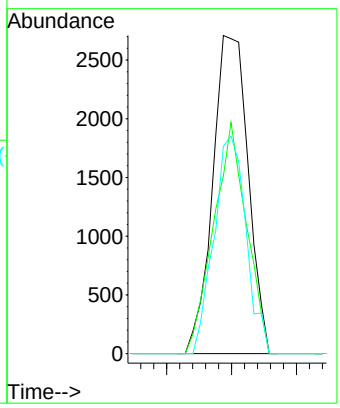
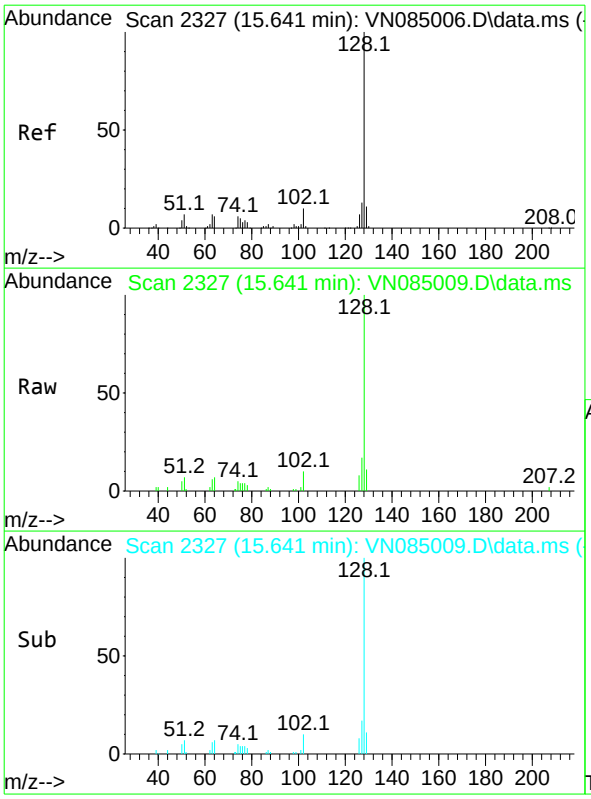


#94
Hexachlorobutadiene
Concen: 5.272 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:225 Resp: 5141

Ion	Ratio	Lower	Upper
225	100		
223	67.7	30.9	92.8
227	62.0	31.5	94.5

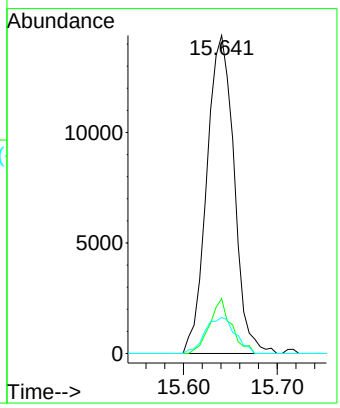




#95
Naphthalene
Concen: 4.832 ug/l
RT: 15.641 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:128 Resp: 29077

Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	16.0
129	12.6	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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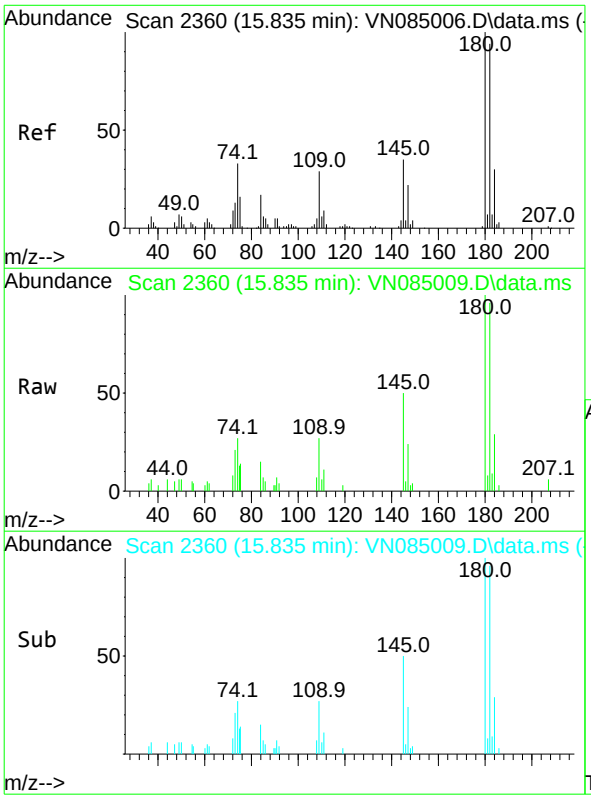
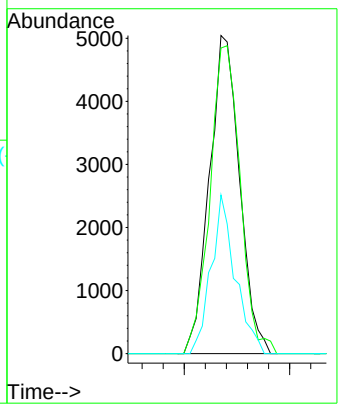
Supervised By :Mahesh Dadoda 11/25/2024



#96
1,2,3-Trichlorobenzene
Concen: 4.981 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:180 Resp: 10042

Ion	Ratio	Lower	Upper
180	100		
182	96.9	46.4	139.2
145	40.1	17.3	52.0



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Data File : VN085010.D
Acq On : 22 Nov 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 23 02:01:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	142307	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	255159	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	210265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	88784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%#		
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#		
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%#		
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	1589	0.987	ug/l	91
3) Chloromethane	2.359	50	2580	1.382	ug/l #	86
4) Vinyl Chloride	2.518	62	1730	1.031	ug/l #	81
6) Chloroethane	3.077	64	1303m	1.153	ug/l	
7) Trichlorofluoromethane	3.453	101	2950	1.034	ug/l	99
8) Diethyl Ether	3.953	74	898	0.925	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.365	101	1632m	1.009	ug/l	
12) 1,1-Dichloroethene	4.324	96	1511	1.000	ug/l #	61
14) Allyl chloride	5.012	41	2663	1.046	ug/l	98
15) Acrylonitrile	5.718	53	4314	5.625	ug/l #	75
16) Acetone	4.442	43	2973	5.036	ug/l #	69
17) Carbon Disulfide	4.694	76	5206	1.168	ug/l #	84
18) Methyl Acetate	5.030	43	3542m	0.747	ug/l	
19) Methyl tert-butyl Ether	5.789	73	4765m	0.966	ug/l	
20) Methylene Chloride	5.271	84	2130m	1.182	ug/l	
21) trans-1,2-Dichloroethene	5.783	96	1624	1.022	ug/l	95
22) Diisopropyl ether	6.665	45	5194	1.014	ug/l	96
23) Vinyl Acetate	6.600	43	16519	4.672	ug/l	99
24) 1,1-Dichloroethane	6.559	63	3177	1.036	ug/l #	83
25) 2-Butanone	7.477	43	5363	5.556	ug/l #	89
26) 2,2-Dichloropropane	7.494	77	3083	1.077	ug/l	86
27) cis-1,2-Dichloroethene	7.477	96	2074	1.082	ug/l	88
28) Bromochloromethane	7.806	49	1248	1.078	ug/l #	94
29) Tetrahydrofuran	7.835	42	3038	5.061	ug/l	90
30) Chloroform	7.959	83	3824	1.172	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	3231	1.096	ug/l #	48
36) 1,1-Dichloropropene	8.365	75	2304	0.989	ug/l #	87
37) Ethyl Acetate	7.547	43	2101	0.992	ug/l #	67
38) Carbon Tetrachloride	8.359	117	2554	0.949	ug/l	92
39) Methylcyclohexane	9.600	83	1948	0.804	ug/l	89
40) Benzene	8.600	78	7459	1.012	ug/l #	83
41) Methacrylonitrile	7.777	41	1263	1.077	ug/l #	70
42) 1,2-Dichloroethane	8.671	62	2512	0.996	ug/l	81
43) Isopropyl Acetate	8.688	43	5905m	1.342	ug/l	
44) Trichloroethene	9.347	130	1685	0.984	ug/l	74
45) 1,2-Dichloropropane	9.618	63	1911	1.053	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085010.D
Acq On : 22 Nov 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 02:01:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) Dibromomethane	9.706	93	1327	1.052 ug/l	100
47) Bromodichloromethane	9.894	83	2757	1.031 ug/l #	72
48) Methyl methacrylate	9.682	41	1550	0.946 ug/l	91
49) 1,4-Dioxane	9.700	88	553	19.470 ug/l #	54
51) 4-Methyl-2-Pentanone	10.441	43	9203	4.578 ug/l	93
52) Toluene	10.624	92	3979	0.912 ug/l	92
53) t-1,3-Dichloropropene	10.829	75	2680	1.000 ug/l	89
54) cis-1,3-Dichloropropene	10.312	75	2759	0.970 ug/l	94
55) 1,1,2-Trichloroethane	11.012	97	1536	0.945 ug/l #	79
56) Ethyl methacrylate	10.876	69	1888	0.795 ug/l	97
57) 1,3-Dichloropropane	11.165	76	2917	1.020 ug/l	97
58) 2-Chloroethyl Vinyl ether	10.159	63	4254	3.651 ug/l	98
59) 2-Hexanone	11.200	43	6264	4.166 ug/l	90
60) Dibromochloromethane	11.359	129	2099	1.057 ug/l	93
61) 1,2-Dibromoethane	11.465	107	1648	0.980 ug/l	98
64) Tetrachloroethene	11.100	164	1291	0.911 ug/l #	88
65) Chlorobenzene	11.888	112	5217	1.094 ug/l #	81
66) 1,1,1,2-Tetrachloroethane	11.965	131	1639	0.976 ug/l #	62
67) Ethyl Benzene	11.959	91	6914	0.894 ug/l #	85
68) m/p-Xylenes	12.070	106	5269	1.789 ug/l	91
69) o-Xylene	12.400	106	2514	0.897 ug/l	82
70) Styrene	12.406	104	3871	0.831 ug/l	99
71) Bromoform	12.576	173	1215	0.975 ug/l #	92
73) Isopropylbenzene	12.688	105	5637	0.900 ug/l	99
74) N-amyl acetate	12.494	43	2377	0.921 ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.929	83	2694	1.260 ug/l #	82
76) 1,2,3-Trichloropropane	12.988	75	1816m	1.093 ug/l	
77) Bromobenzene	12.982	156	1903	1.129 ug/l	86
78) n-propylbenzene	13.029	91	6275	0.869 ug/l	97
79) 2-Chlorotoluene	13.123	91	4935	1.023 ug/l	94
80) 1,3,5-Trimethylbenzene	13.170	105	4473	0.851 ug/l	98
82) 4-Chlorotoluene	13.223	91	5286	1.053 ug/l	92
83) tert-Butylbenzene	13.435	119	4357	0.963 ug/l	91
84) 1,2,4-Trimethylbenzene	13.482	105	4802	0.888 ug/l	100
85) sec-Butylbenzene	13.612	105	5284	0.865 ug/l	99
86) p-Isopropyltoluene	13.729	119	4047	0.803 ug/l	88
87) 1,3-Dichlorobenzene	13.729	146	4131	1.243 ug/l	86
88) 1,4-Dichlorobenzene	13.806	146	4149m	1.223 ug/l	
89) n-Butylbenzene	14.053	91	4981	1.062 ug/l	92
90) Hexachloroethane	14.329	117	1217	1.107 ug/l #	52
91) 1,2-Dichlorobenzene	14.100	146	3830	1.202 ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	470	1.136 ug/l	98
93) 1,2,4-Trichlorobenzene	15.400	180	2092	1.209 ug/l	93
94) Hexachlorobutadiene	15.494	225	987	1.236 ug/l	80
95) Naphthalene	15.641	128	5242	1.063 ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	1849	1.120 ug/l	94

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

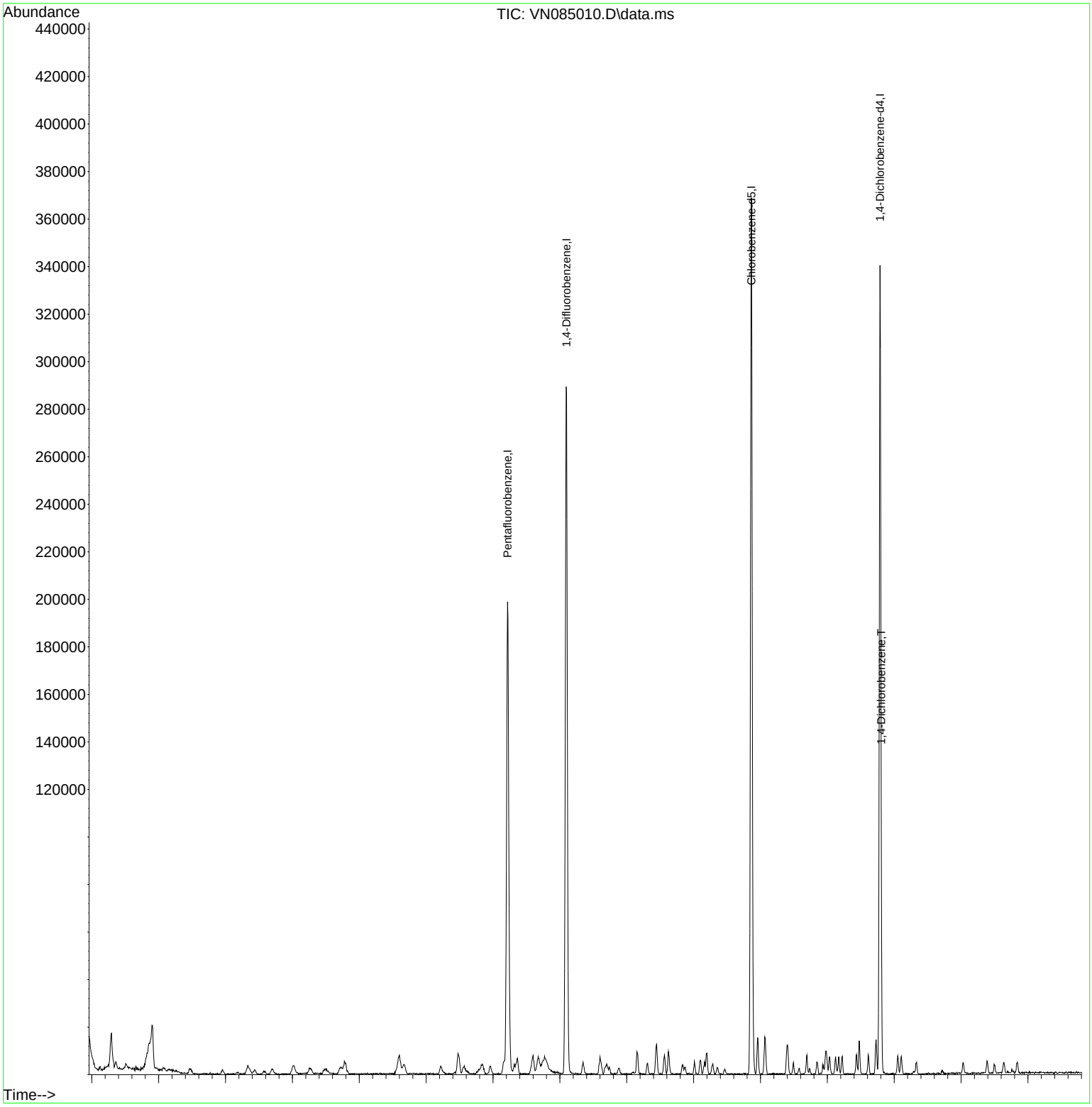
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085010.D
Acq On : 22 Nov 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

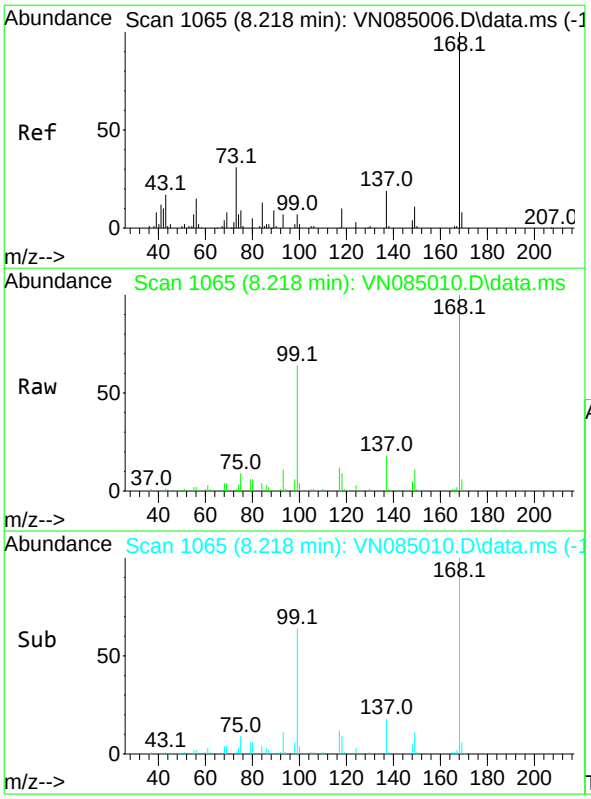
Quant Time: Nov 23 02:01:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

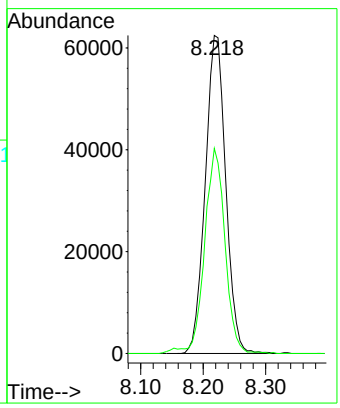




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:168 Resp: 142307

Ion	Ratio	Lower	Upper
168	100		
99	64.5	51.2	76.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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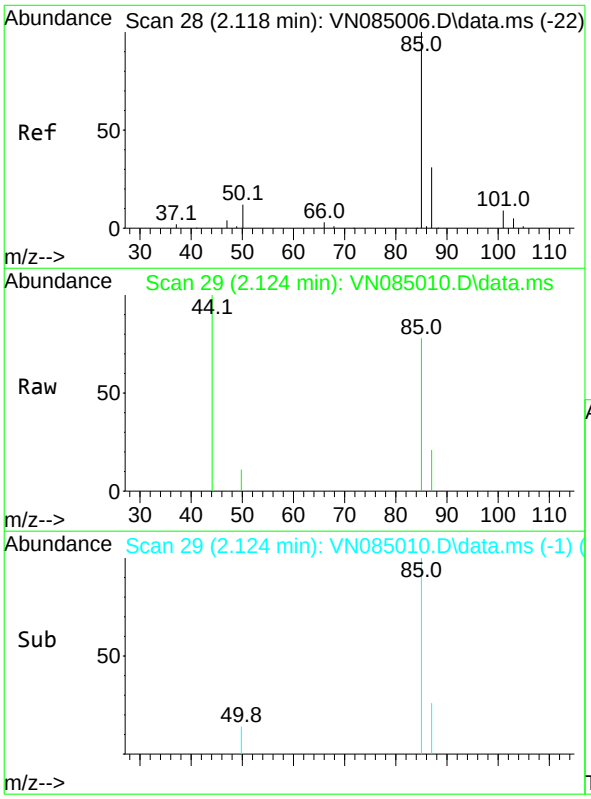
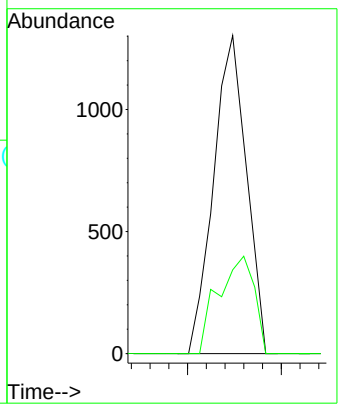
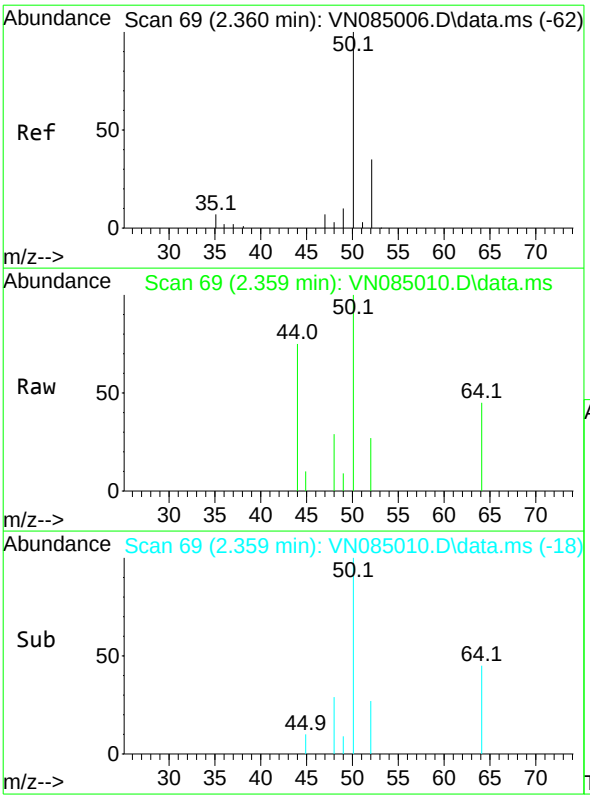


#2
Dichlorodifluoromethane
Concen: 0.987 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 85 Resp: 1589

Ion	Ratio	Lower	Upper
85	100		
87	26.3	15.7	47.1

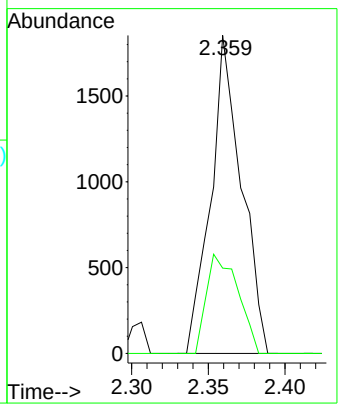




#3
Chloromethane
Concen: 1.382 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 50 Resp: 2580

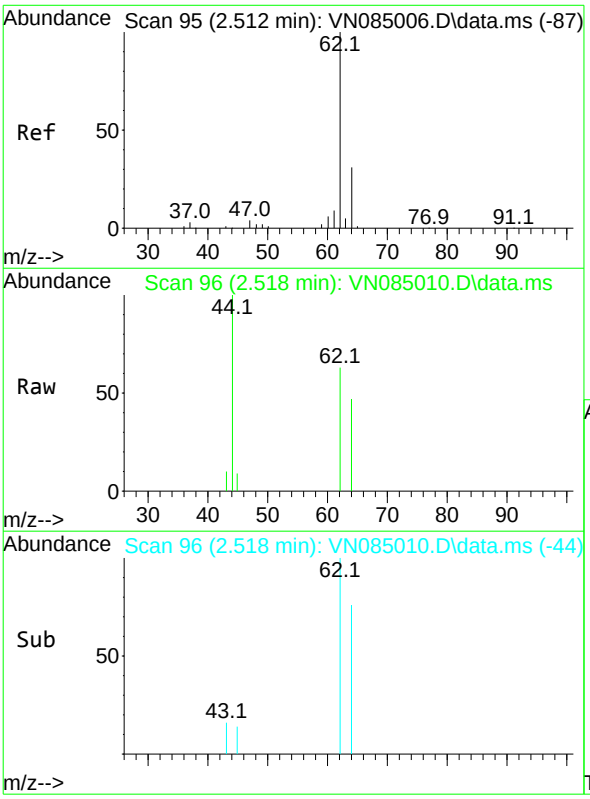
Ion	Ratio	Lower	Upper
50	100		
52	26.8	27.8	41.8#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

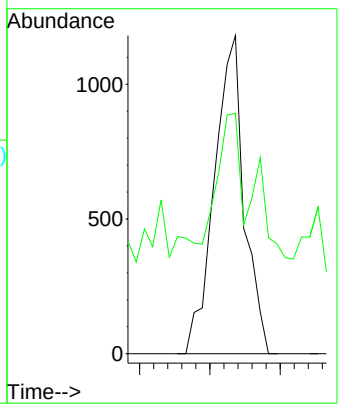
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

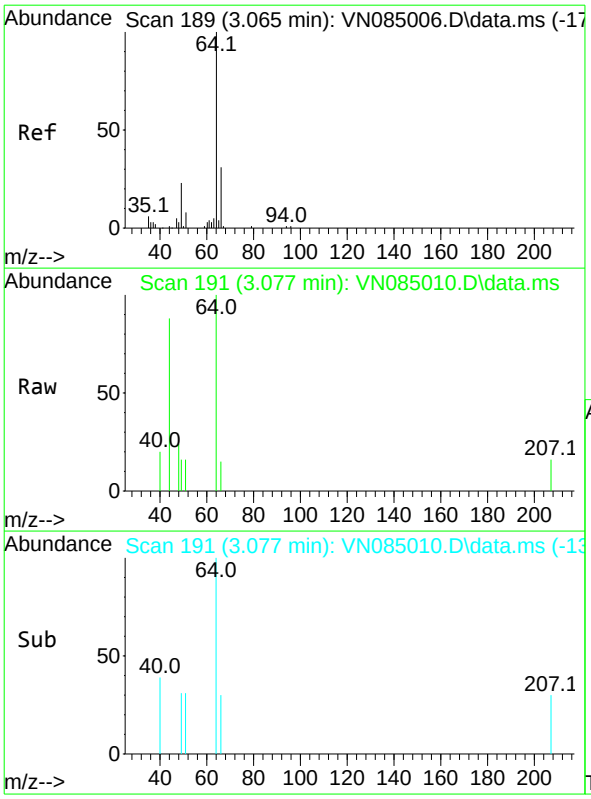


#4
Vinyl Chloride
Concen: 1.031 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 62 Resp: 1730

Ion	Ratio	Lower	Upper
62	100		
64	40.9	24.6	36.8#

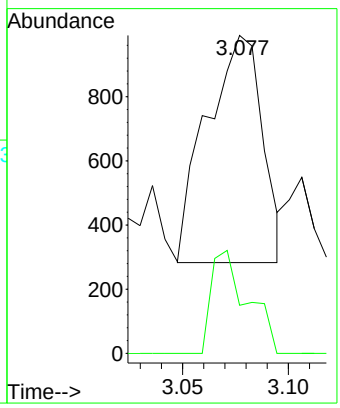




#6
Chloroethane
Concen: 1.153 ug/l m
RT: 3.077 min Scan# 19
Delta R.T. 0.012 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 64 Resp: 1303

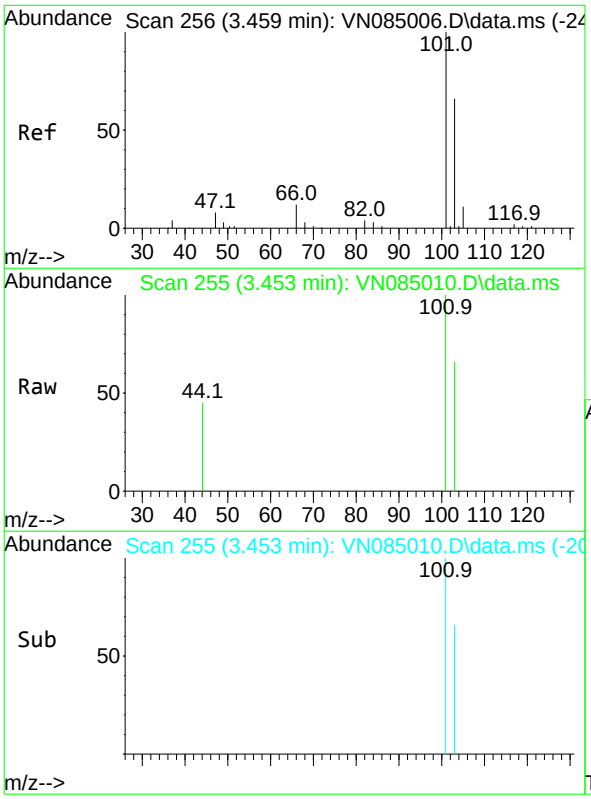
Ion	Ratio	Lower	Upper
64	100		
66	15.1	24.4	36.6#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

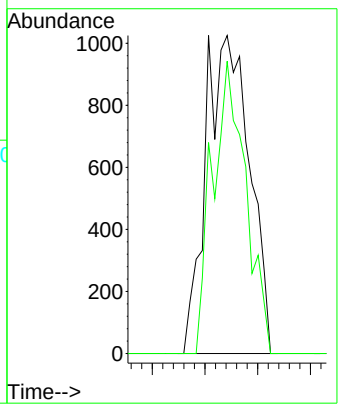
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

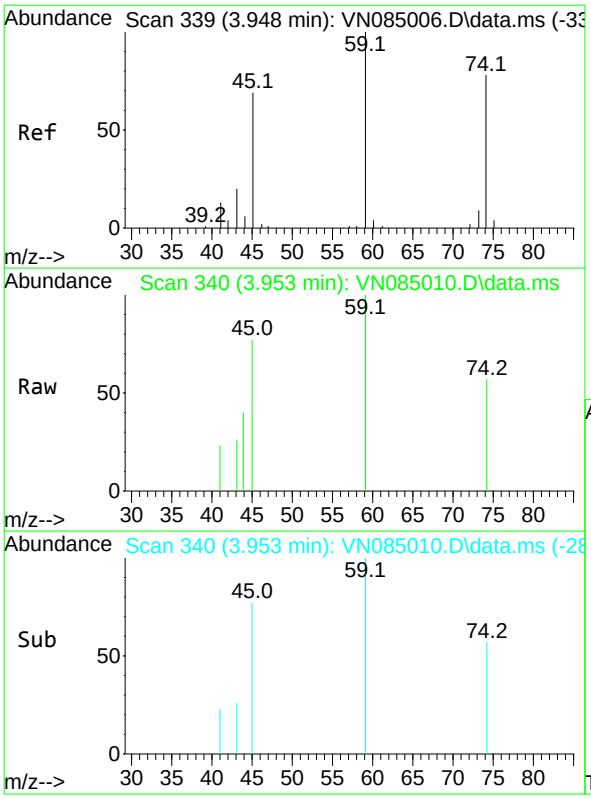


#7
Trichlorofluoromethane
Concen: 1.034 ug/l
RT: 3.453 min Scan# 255
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:101 Resp: 2950

Ion	Ratio	Lower	Upper
101	100		
103	66.3	52.6	78.8

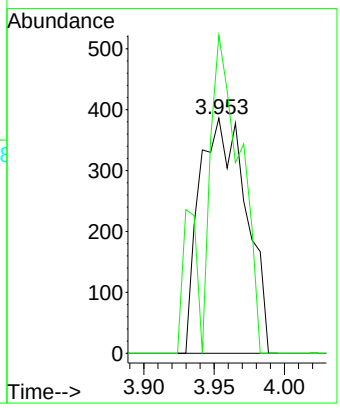




#8
Diethyl Ether
Concen: 0.925 ug/l
RT: 3.953 min Scan# 34
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 74 Resp: 898

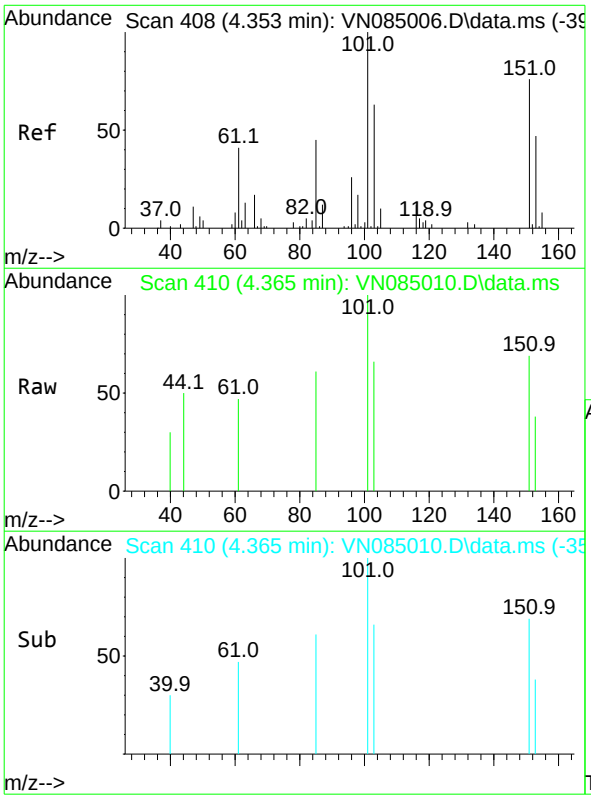
Ion	Ratio	Lower	Upper
74	100		
45	103.3	46.7	140.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

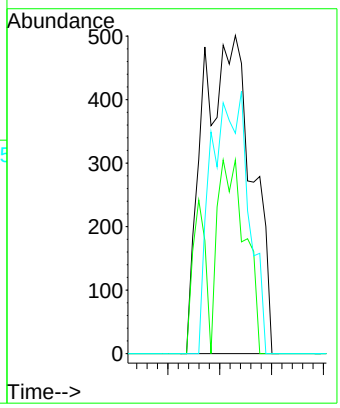
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

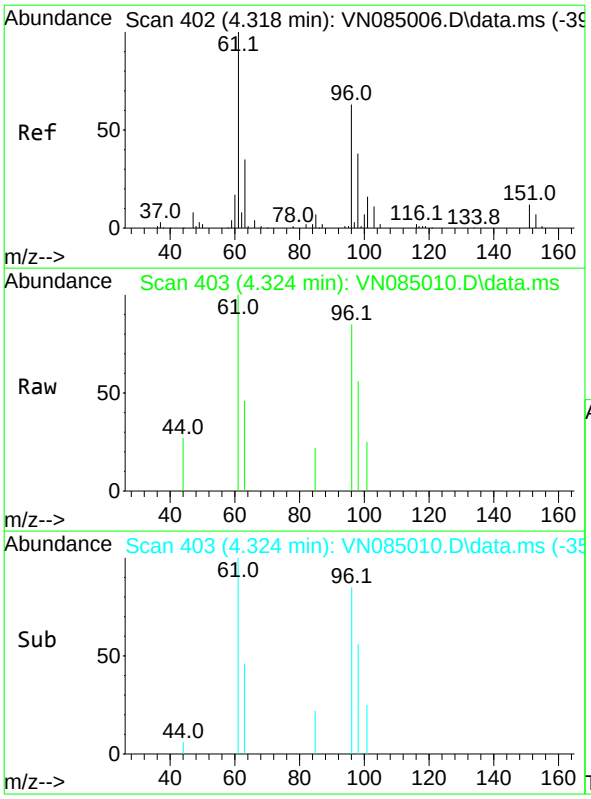


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.009 ug/l m
RT: 4.365 min Scan# 410
Delta R.T. 0.012 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:101 Resp: 1632

Ion	Ratio	Lower	Upper
101	100		
85	34.9	36.9	55.3#
151	62.9	60.8	91.2

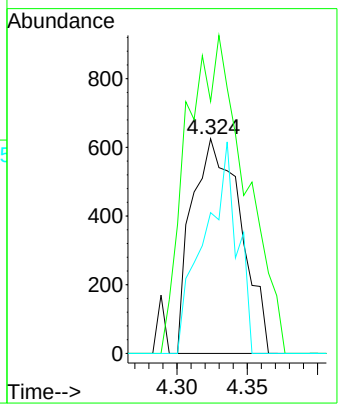




#12
1,1-Dichloroethene
Concen: 1.000 ug/l
RT: 4.324 min Scan# 40
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 96 Resp: 1511

Ion	Ratio	Lower	Upper
96	100		
61	90.6	127.8	191.8#
98	65.6	49.2	73.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
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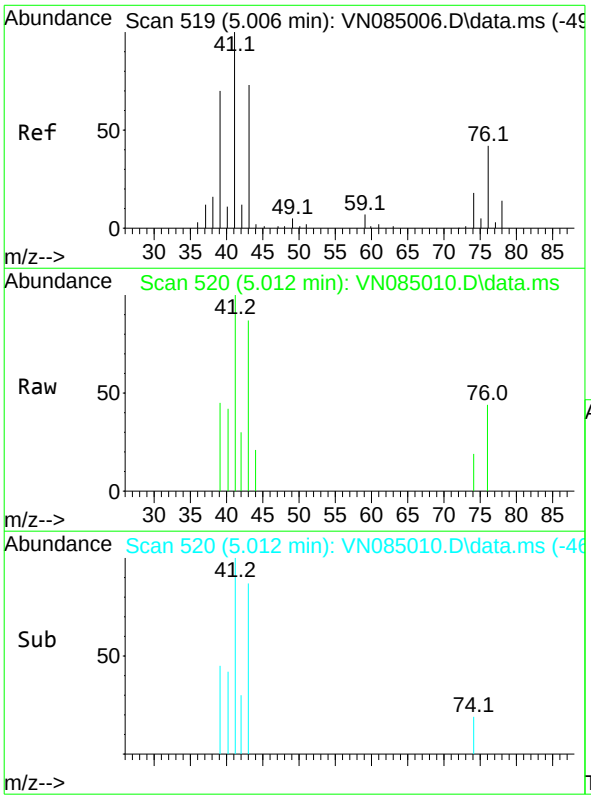
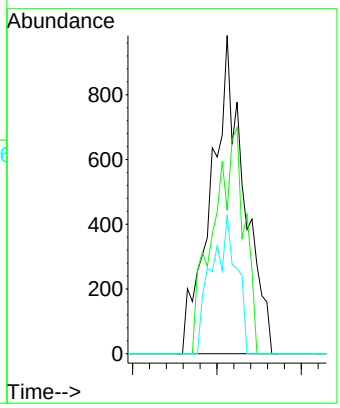
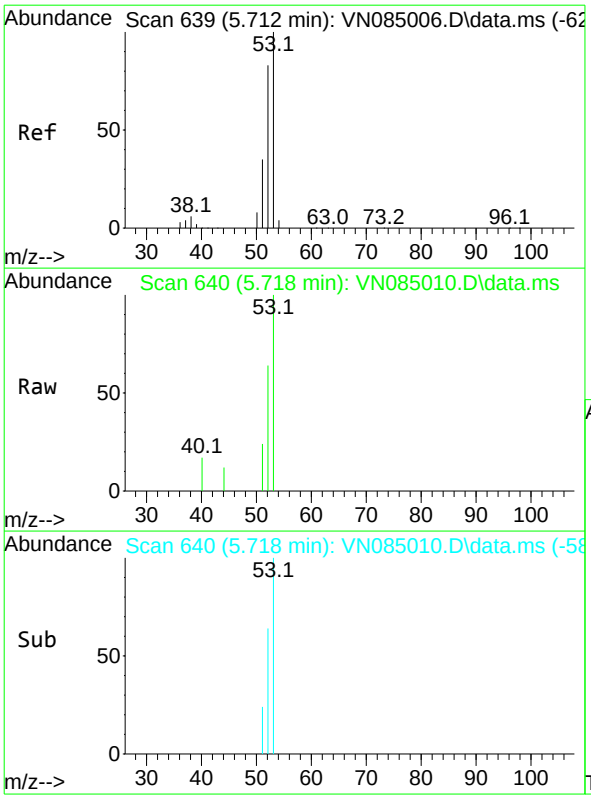


#14
Allyl chloride
Concen: 1.046 ug/l
RT: 5.012 min Scan# 520
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 41 Resp: 2663

Ion	Ratio	Lower	Upper
41	100		
39	67.4	53.8	80.8
76	33.0	29.3	43.9

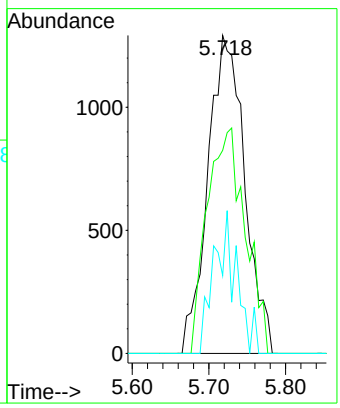




#15
Acrylonitrile
Concen: 5.625 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 53 Resp: 4314

Ion	Ratio	Lower	Upper
53	100		
52	73.5	65.5	98.3
51	0.0	28.4	42.6#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
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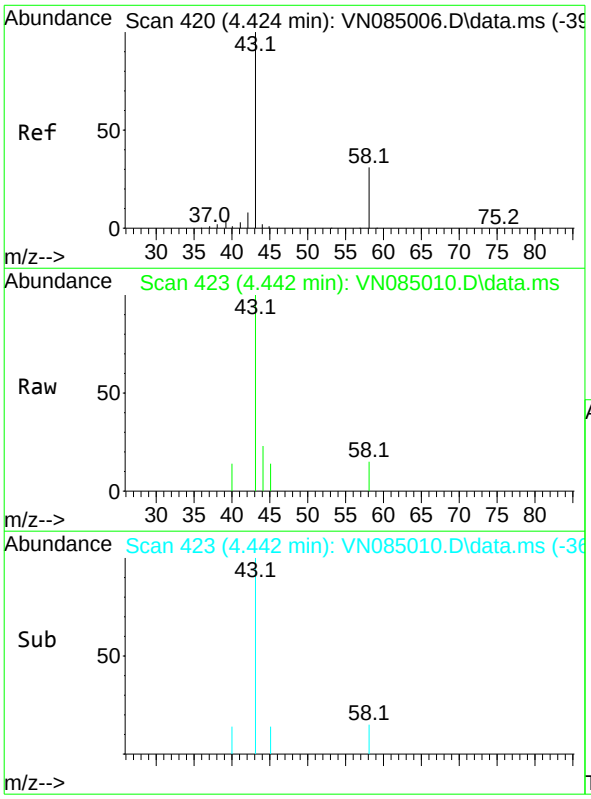
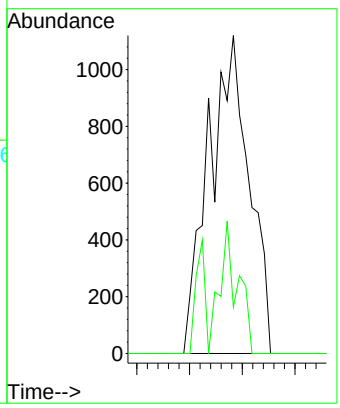
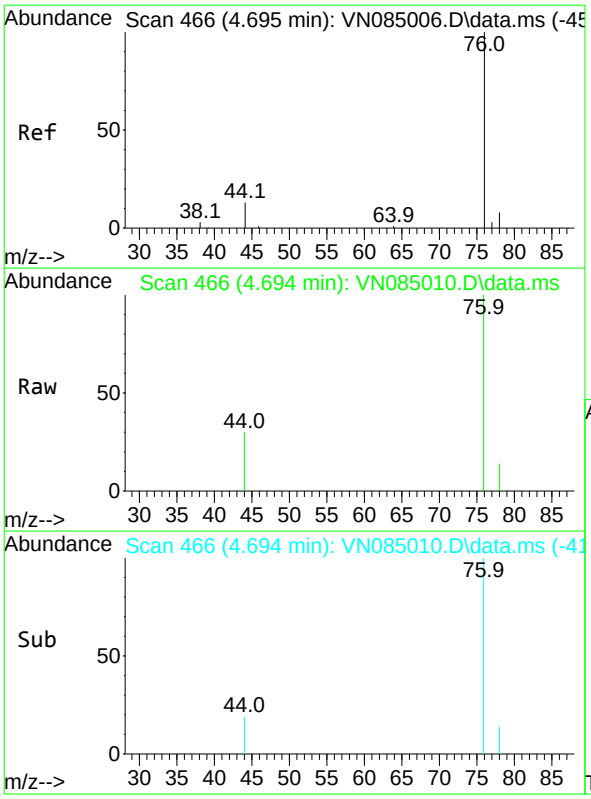


#16
Acetone
Concen: 5.036 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 43 Resp: 2973

Ion	Ratio	Lower	Upper
43	100		
58	14.6	25.4	38.2#





#17
Carbon Disulfide
Concen: 1.168 ug/l
RT: 4.694 min Scan# 46
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 76 Resp: 5206

Ion	Ratio	Lower	Upper
76	100		
78	13.8	6.5	9.7#

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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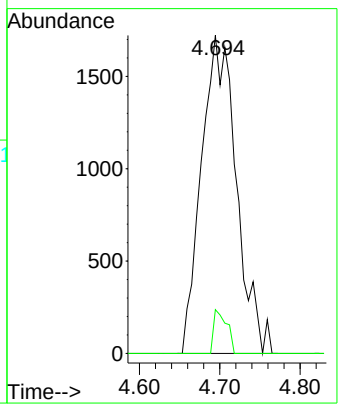
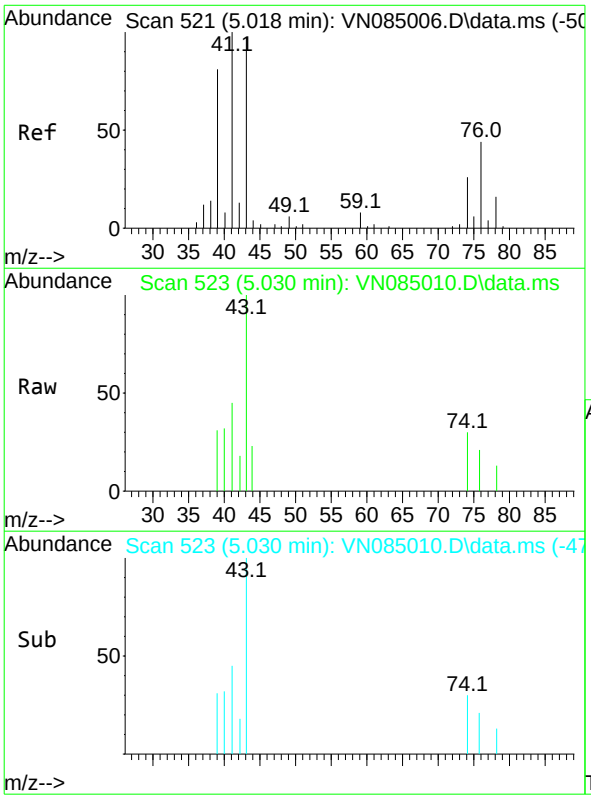
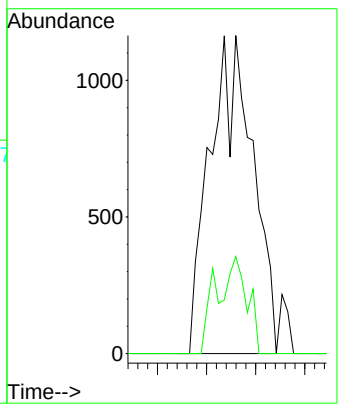


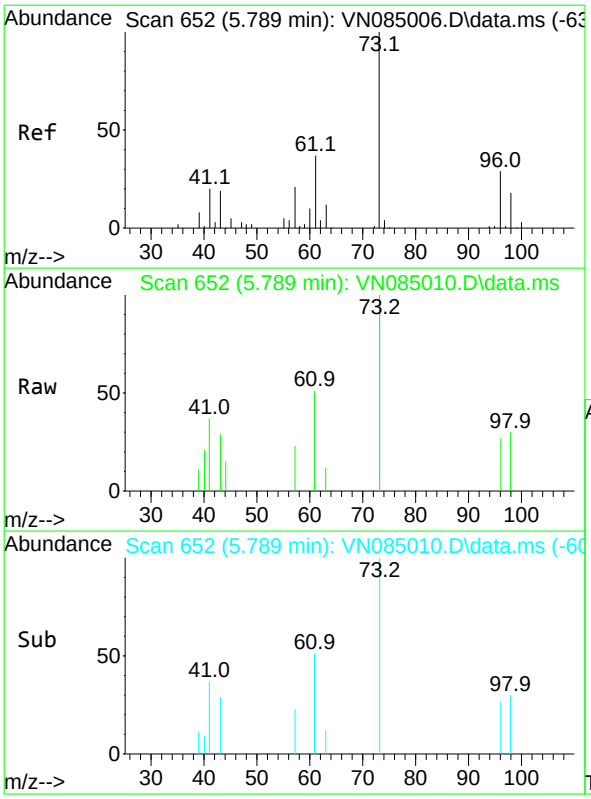


#18
Methyl Acetate
Concen: 0.747 ug/l m
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 43 Resp: 3542

Ion	Ratio	Lower	Upper
43	100		
74	13.1	20.1	30.1#

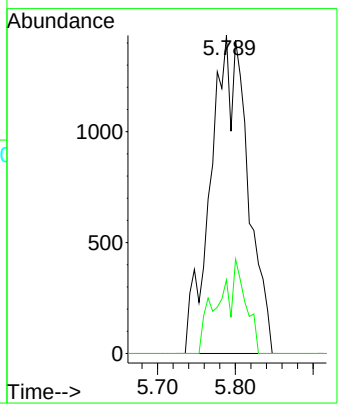




#19
Methyl tert-butyl Ether
Concen: 0.966 ug/l m
RT: 5.789 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 73 Resp: 4765

Ion	Ratio	Lower	Upper
73	100		
57	23.2	17.0	25.4



Instrument :
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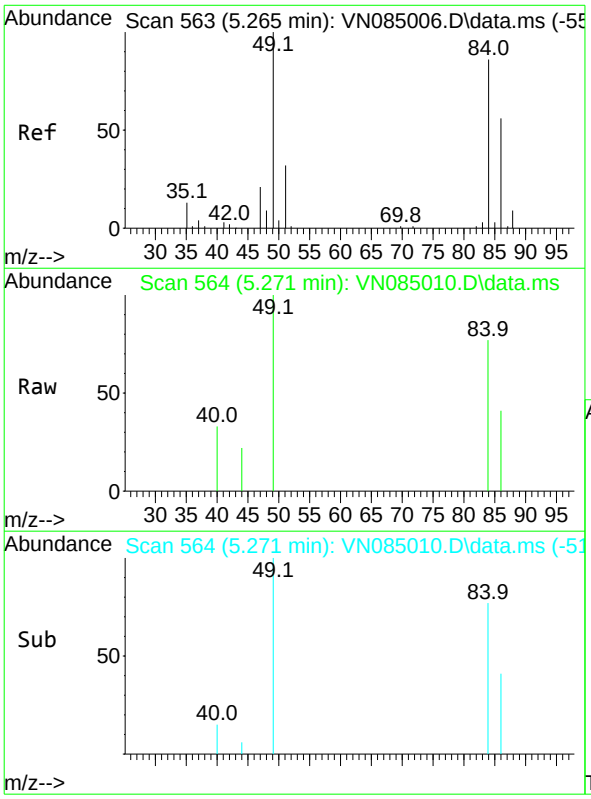
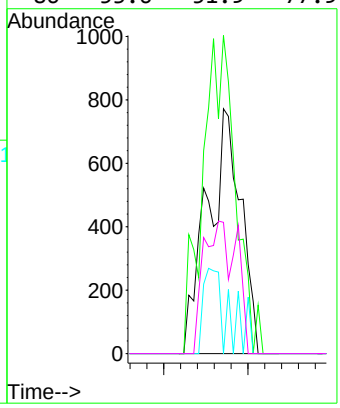
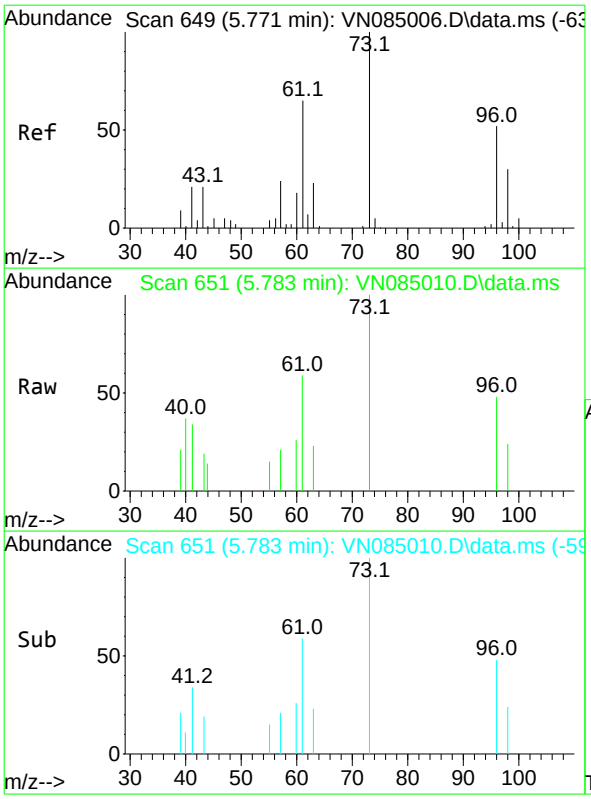


#20
Methylene Chloride
Concen: 1.182 ug/l m
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 84 Resp: 2130

Ion	Ratio	Lower	Upper
84	100		
49	129.9	92.7	139.1
51	0.0	29.4	44.2#
86	53.6	51.9	77.9

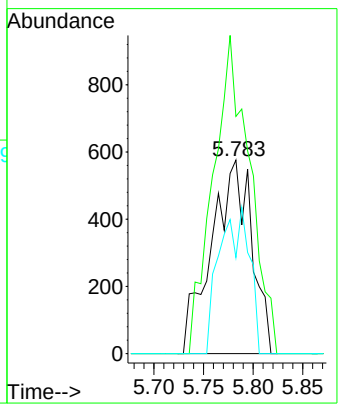




#21
trans-1,2-Dichloroethene
Concen: 1.022 ug/l
RT: 5.783 min Scan# 65
Delta R.T. 0.012 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 96 Resp: 1624

Ion	Ratio	Lower	Upper
96	100		
61	122.6	100.7	151.1
98	49.7	45.8	68.6



Instrument :
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ClientSampleId :
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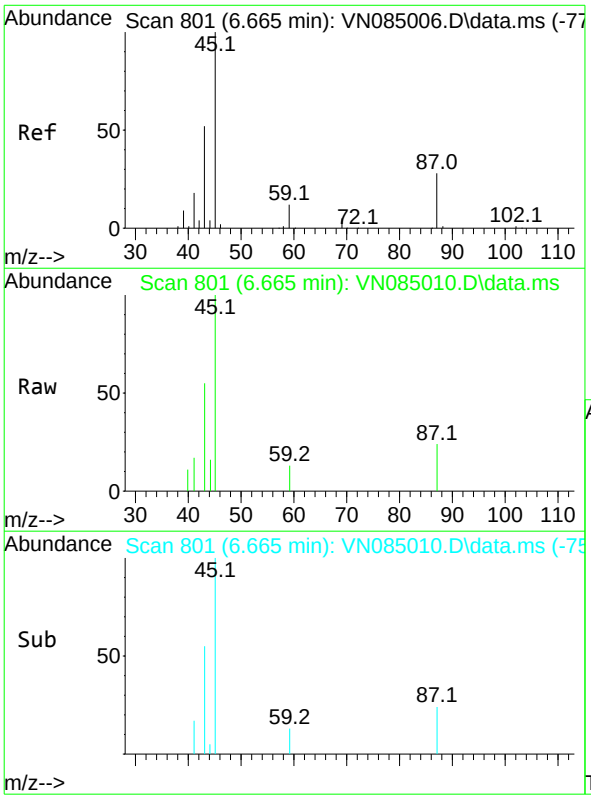
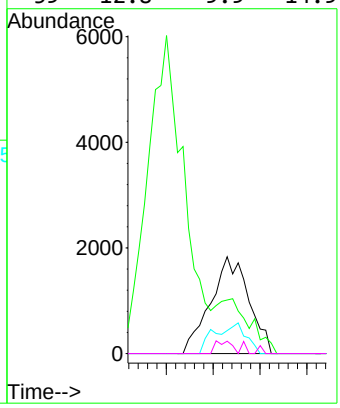
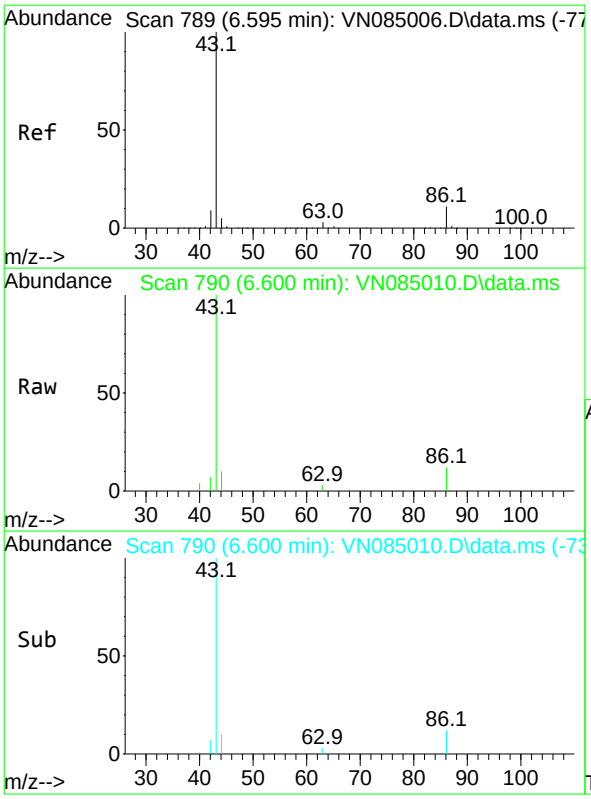


#22
Diisopropyl ether
Concen: 1.014 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 45 Resp: 5194

Ion	Ratio	Lower	Upper
45	100		
43	55.3	42.7	64.1
87	23.7	22.6	34.0
59	12.8	9.9	14.9

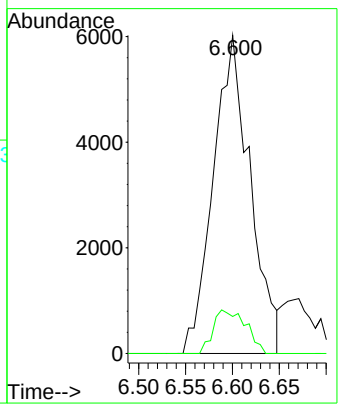




#23
Vinyl Acetate
Concen: 4.672 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 43 Resp: 16519

Ion	Ratio	Lower	Upper
43	100		
86	11.6	8.9	13.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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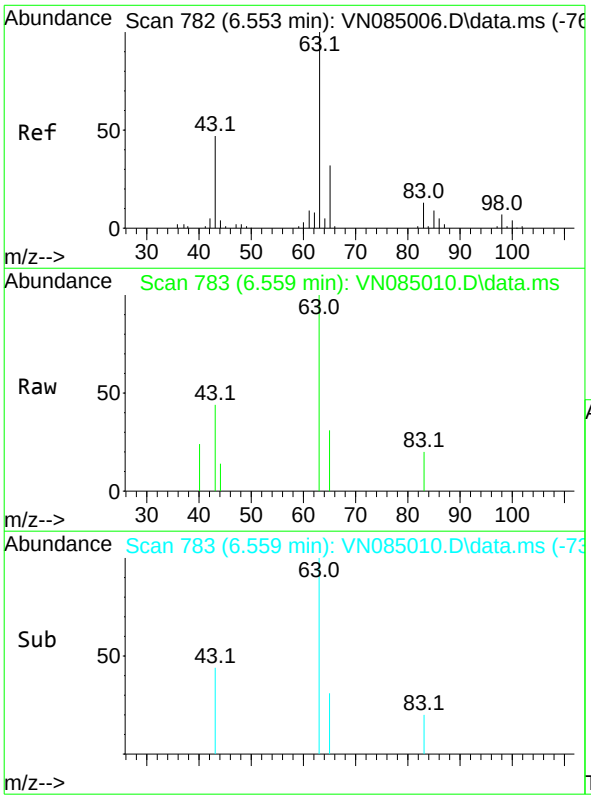
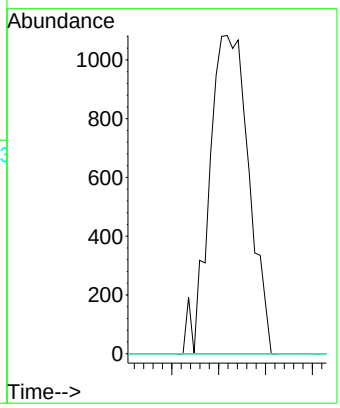
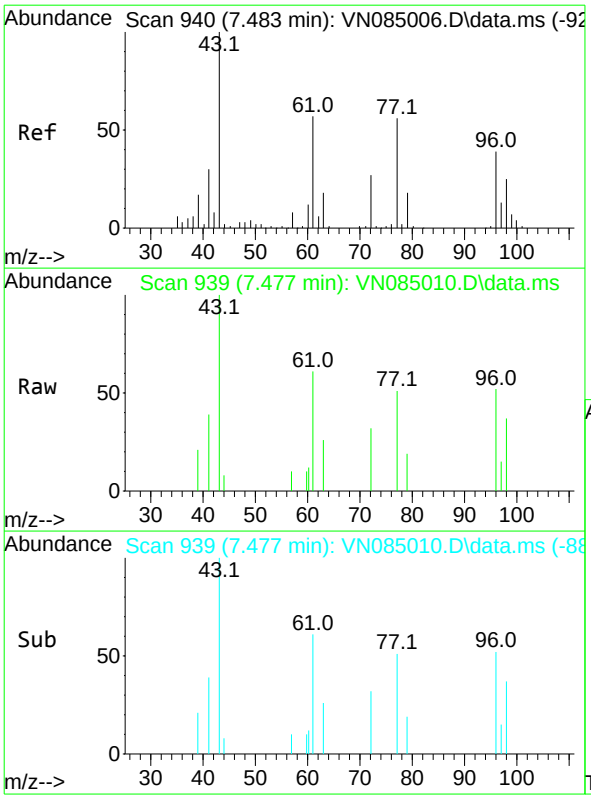


#24
1,1-Dichloroethane
Concen: 1.036 ug/l
RT: 6.559 min Scan# 783
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 63 Resp: 3177

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.3	9.8#
100	0.0	2.2	6.6#

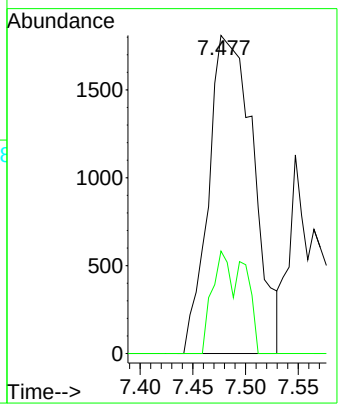




#25
2-Butanone
Concen: 5.556 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 43 Resp: 5363

Ion	Ratio	Lower	Upper
43	100		
72	32.2	21.4	32.0#



Instrument :
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ClientSampleId :
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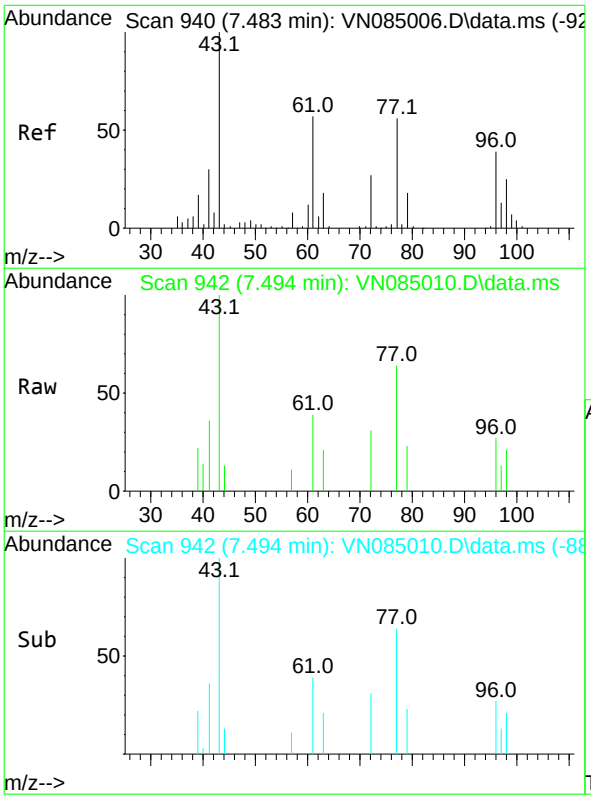
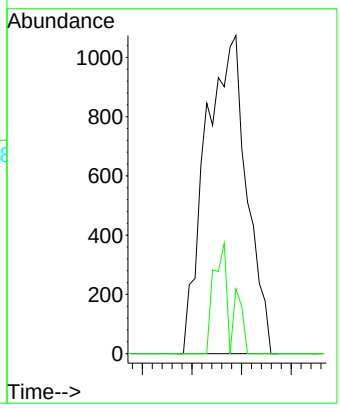
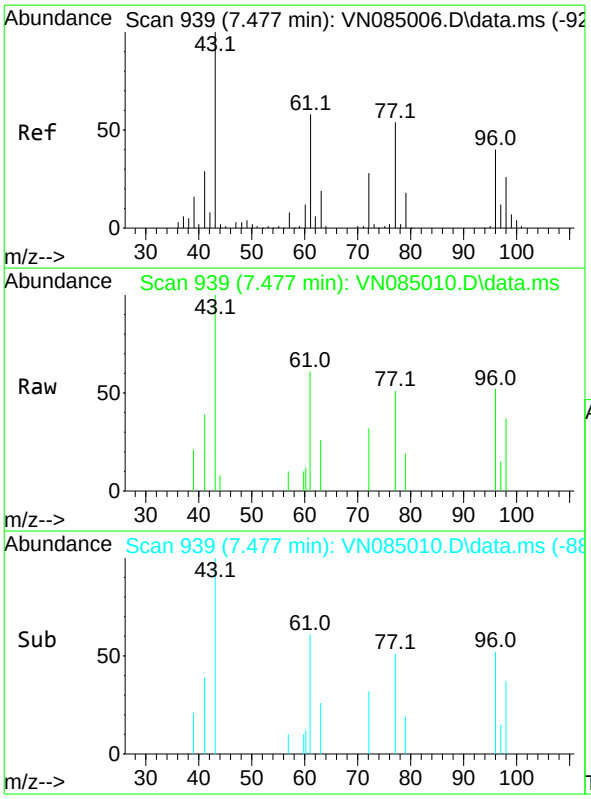


#26
2,2-Dichloropropane
Concen: 1.077 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 77 Resp: 3083

Ion	Ratio	Lower	Upper
77	100		
97	15.0	10.9	32.7

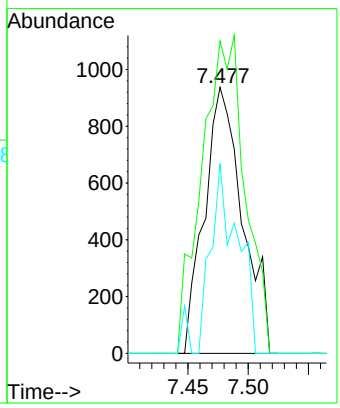




#27
cis-1,2-Dichloroethene
Concen: 1.082 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 96 Resp: 2074

Ion	Ratio	Lower	Upper
96	100		
61	135.1	0.0	291.6
98	50.5	0.0	129.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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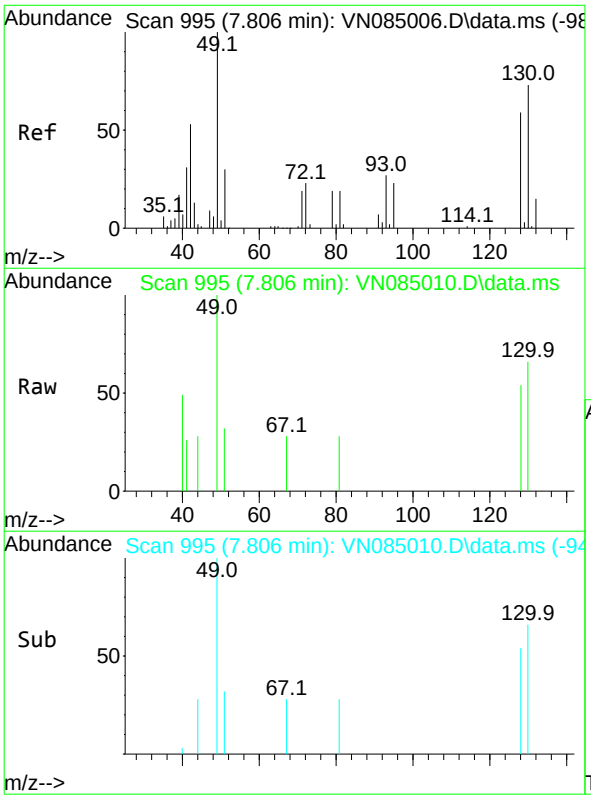
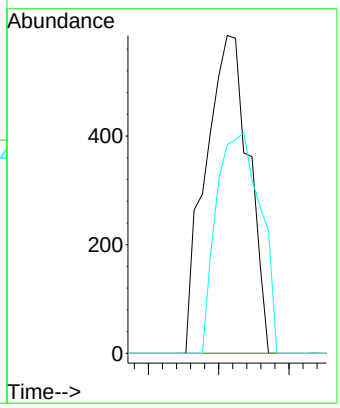
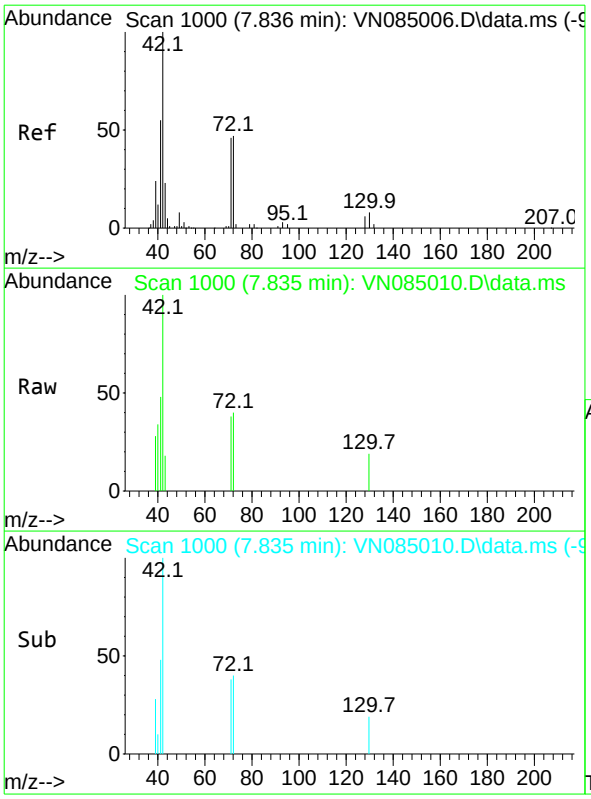


#28
Bromochloromethane
Concen: 1.078 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 49 Resp: 1248

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	70.8	60.6	90.8

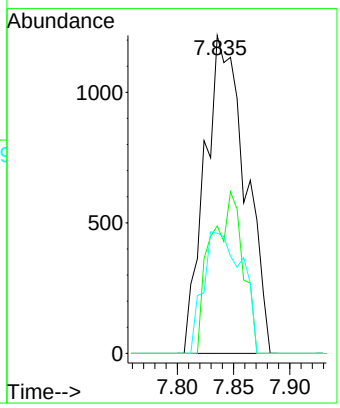




#29
Tetrahydrofuran
Concen: 5.061 ug/l
RT: 7.835 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 42 Resp: 3038

Ion	Ratio	Lower	Upper
42	100		
72	40.1	37.0	55.4
71	36.8	35.0	52.4



Instrument :
MSVOA_N
ClientSampleId :
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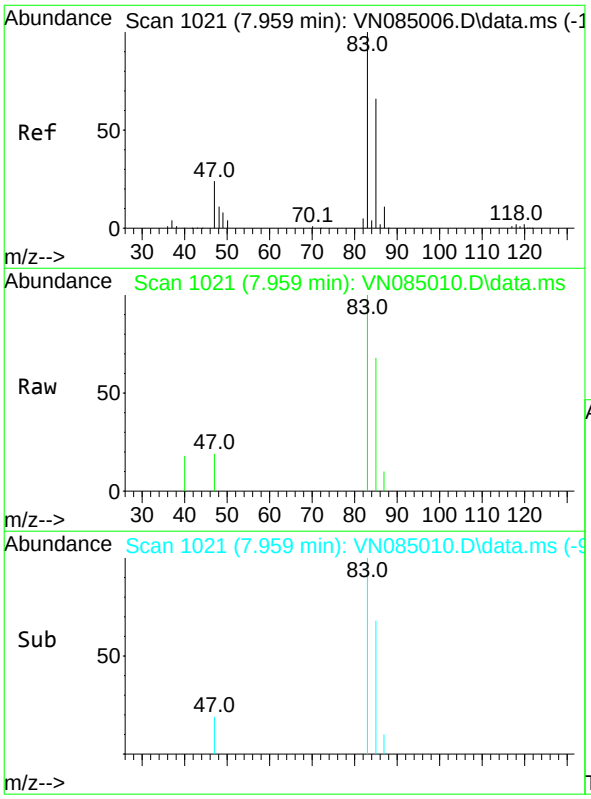
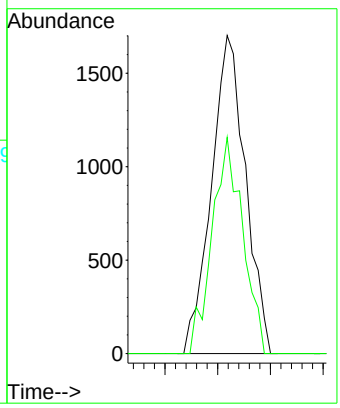
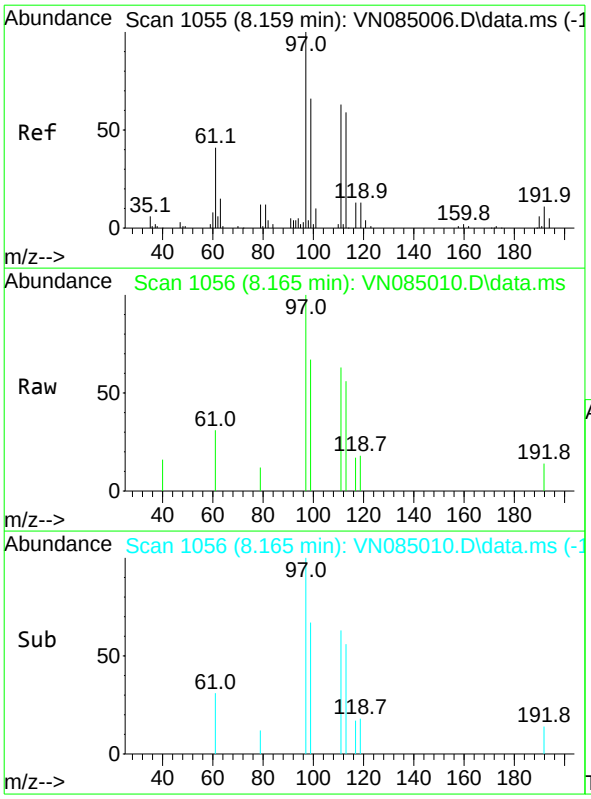


#30
Chloroform
Concen: 1.172 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 83 Resp: 3824

Ion	Ratio	Lower	Upper
83	100		
85	68.0	52.6	78.8

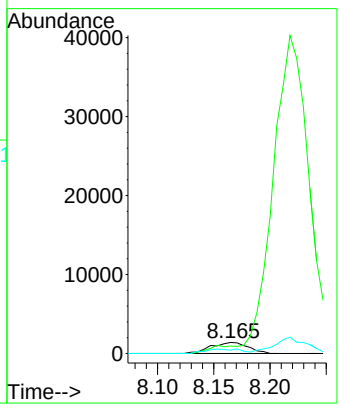




#32
1,1,1-Trichloroethane
Concen: 1.096 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 97 Resp: 3231

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.0	76.4#
61	38.6	36.2	54.2



Instrument :
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ClientSampleId :
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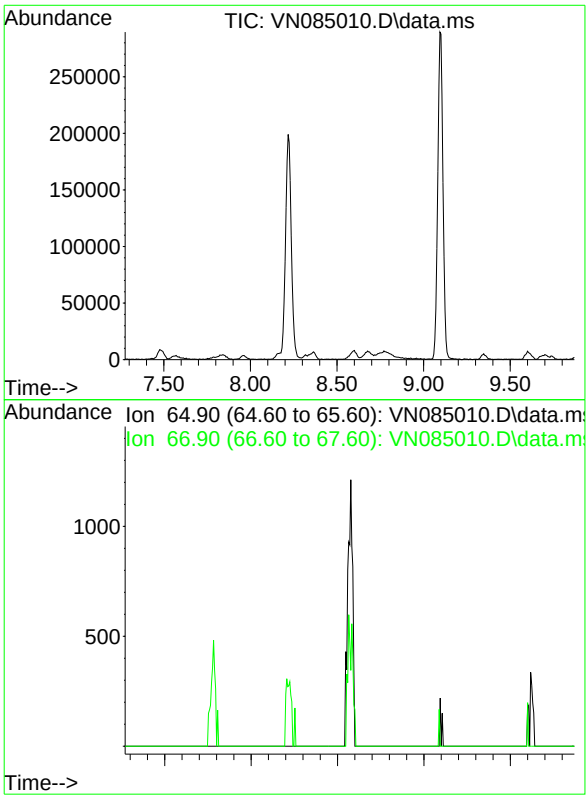
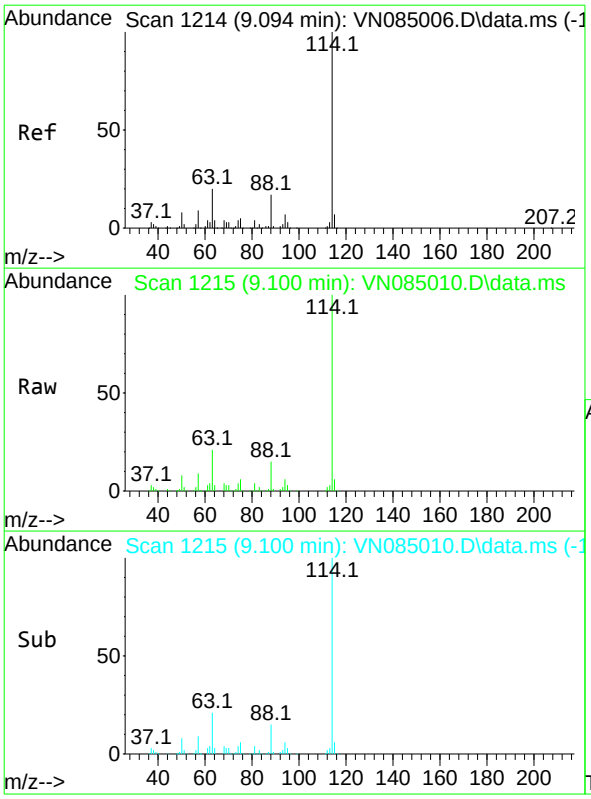


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 8.57 min

Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 65

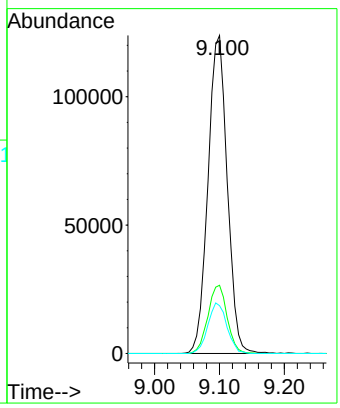
Sig	Exp Ratio
65	100
67	52.5



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:114 Resp: 255159

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	41.0
88	15.0	0.0	34.8



Instrument :
MSVOA_N
ClientSampleId :
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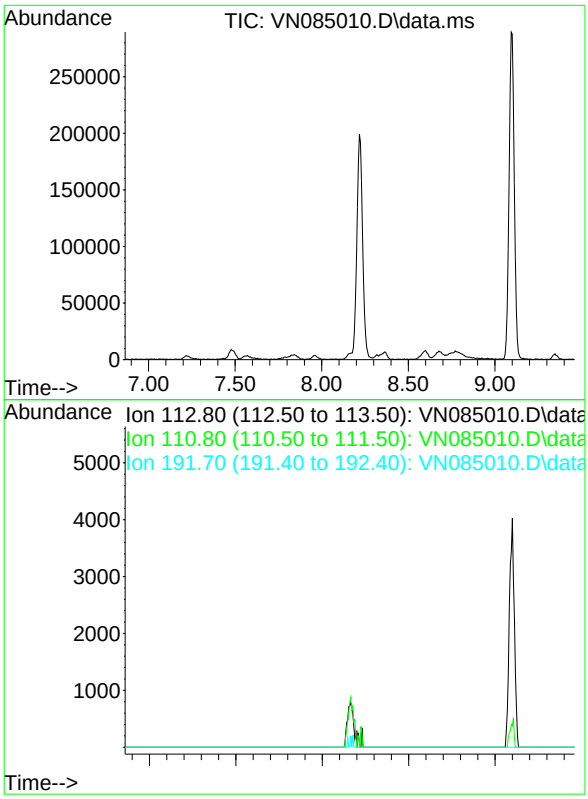
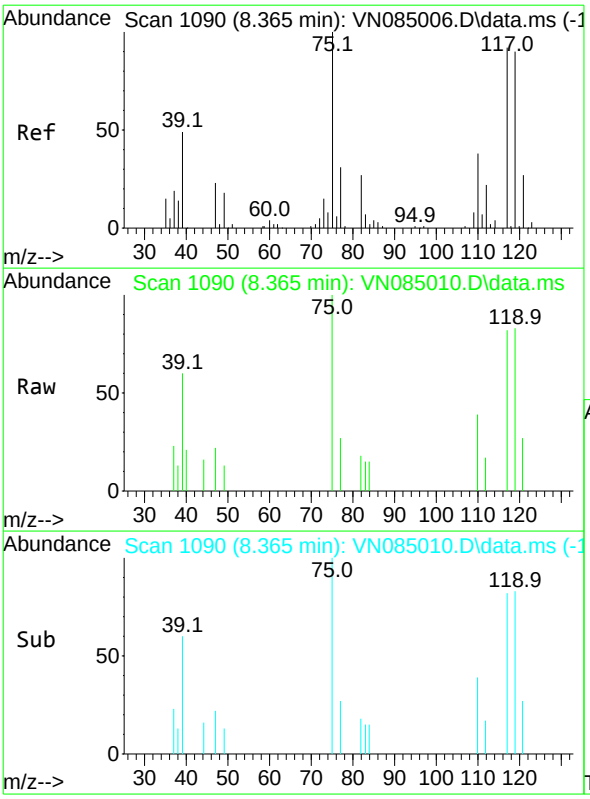


#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 8.16 min

Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 113

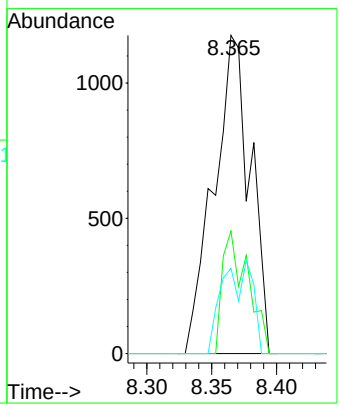
Sig	Exp Ratio
113	100
111	102.5
192	18.5



#36
1,1-Dichloropropene
Concen: 0.989 ug/l
RT: 8.365 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 75 Resp: 2304

Ion	Ratio	Lower	Upper
75	100		
110	26.6	17.2	51.6
77	23.8	24.2	36.4#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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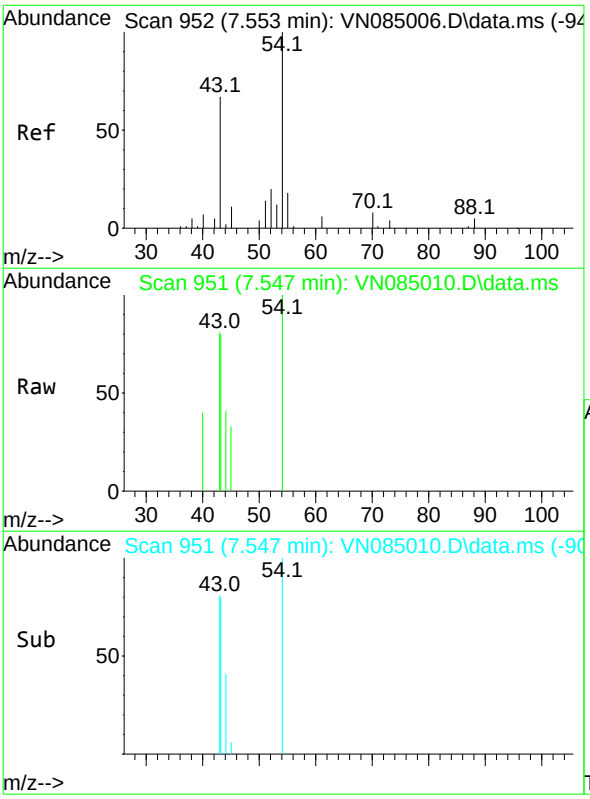
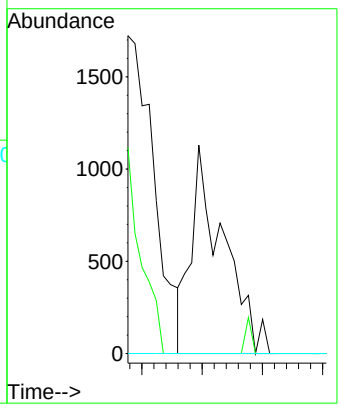
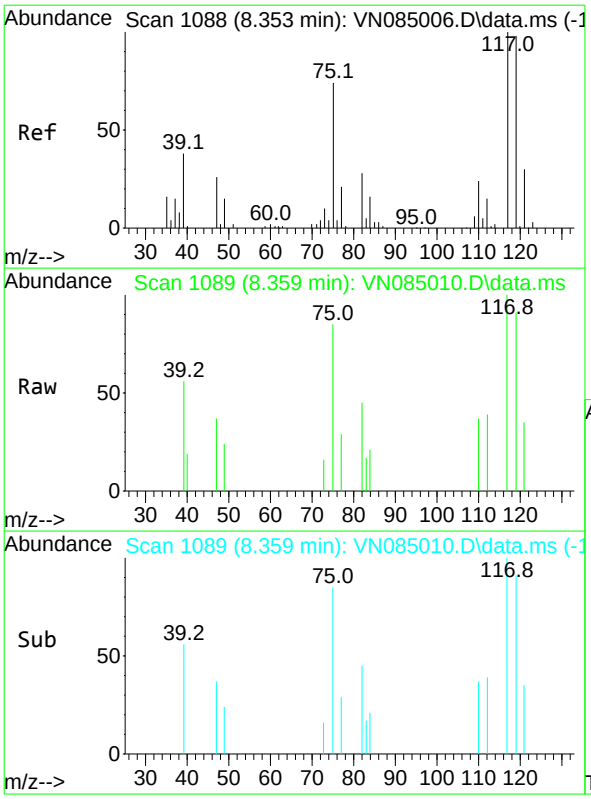


#37
Ethyl Acetate
Concen: 0.992 ug/l
RT: 7.547 min Scan# 951
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 43 Resp: 2101

Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.7	17.5#
70	0.0	9.3	13.9#

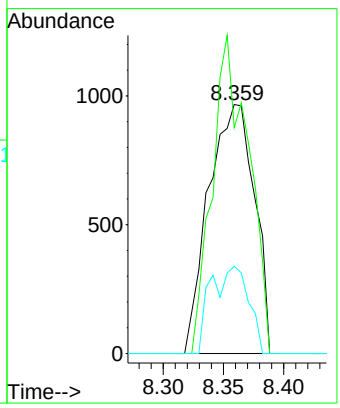




#38
Carbon Tetrachloride
Concen: 0.949 ug/l
RT: 8.359 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:117 Resp: 2554

Ion	Ratio	Lower	Upper
117	100		
119	90.7	78.6	117.8
121	35.1	24.2	36.2



Instrument :
MSVOA_N
ClientSampleId :
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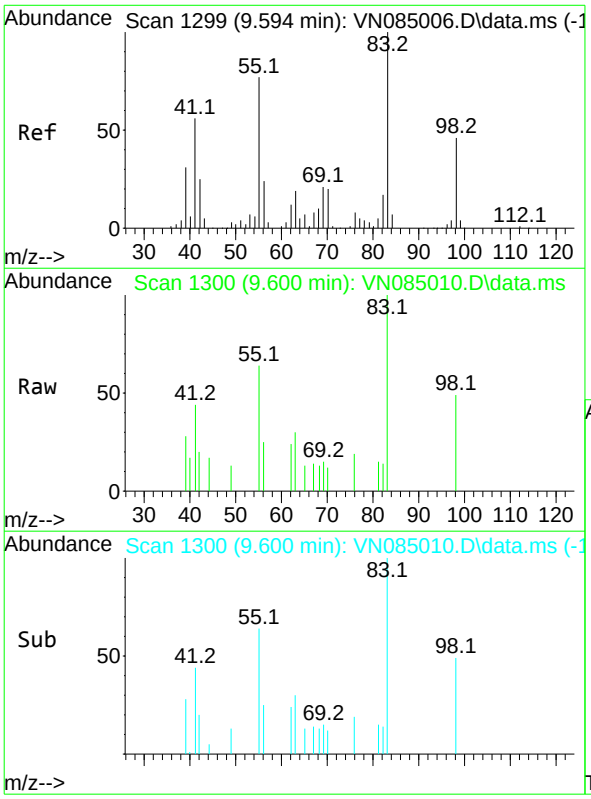
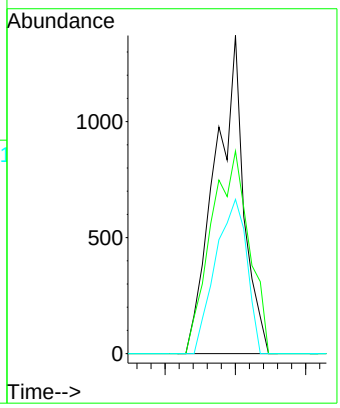
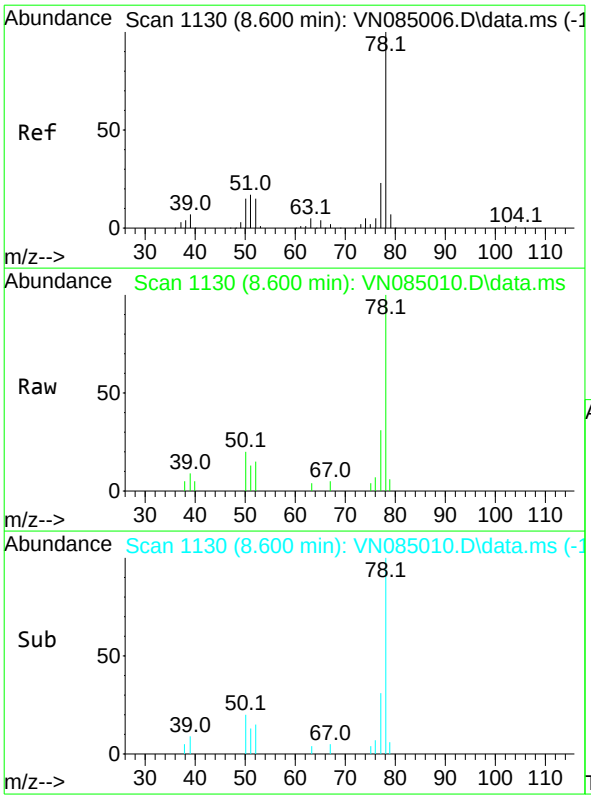


#39
Methylcyclohexane
Concen: 0.804 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 83 Resp: 1948

Ion	Ratio	Lower	Upper
83	100		
55	63.7	61.8	92.6
98	48.5	37.0	55.6





#40
Benzene
Concen: 1.012 ug/l
RT: 8.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 78 Resp: 7459

Ion	Ratio	Lower	Upper
78	100		
77	31.3	18.5	27.7#

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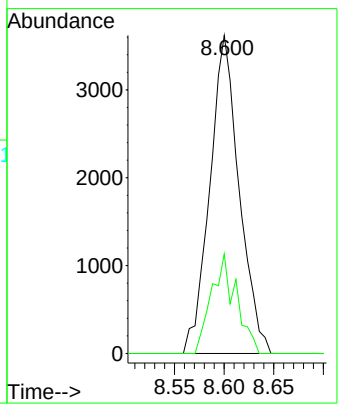
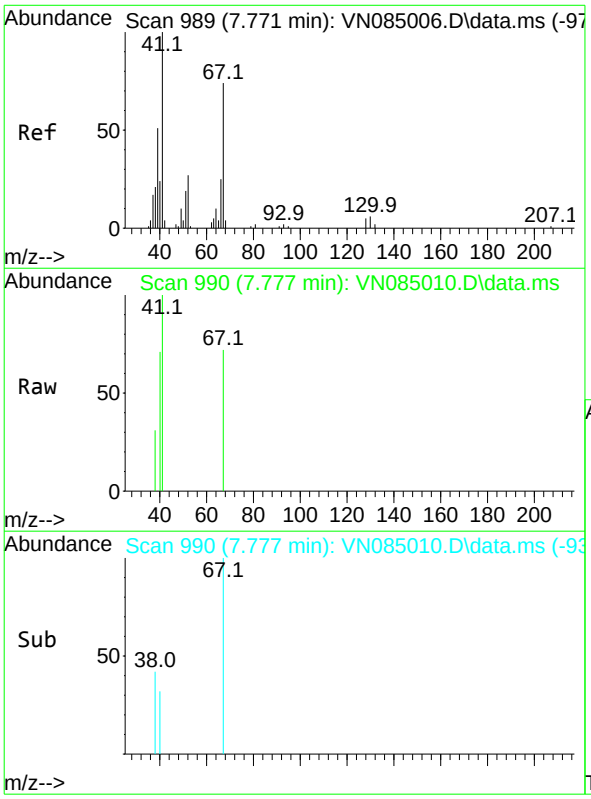
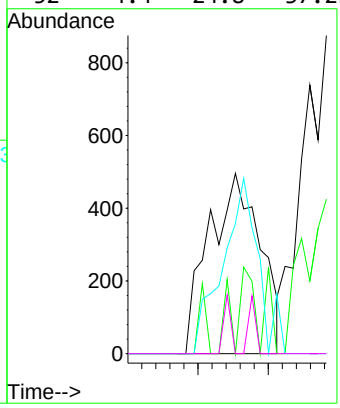


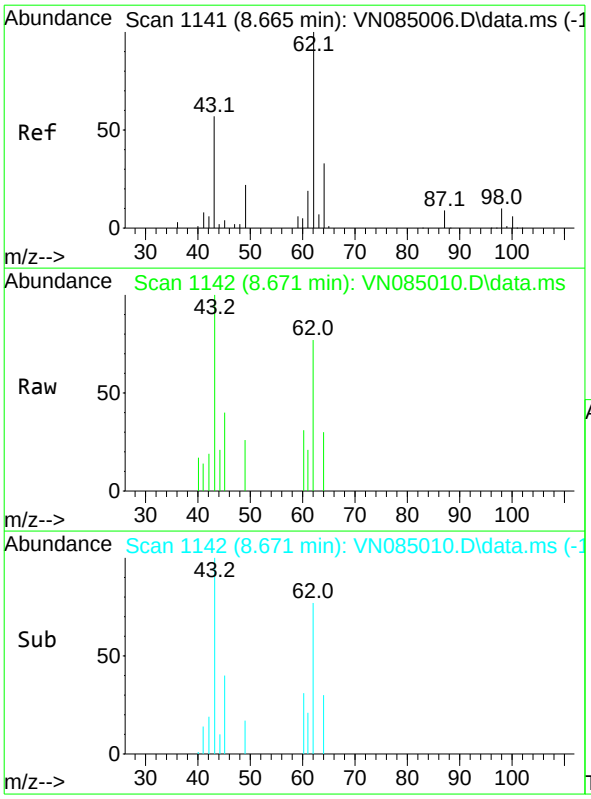


#41
Methacrylonitrile
Concen: 1.077 ug/l
RT: 7.777 min Scan# 990
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 41 Resp: 1263

Ion	Ratio	Lower	Upper
41	100		
39	17.9	42.6	63.8#
67	67.1	59.9	89.9
52	4.4	24.8	37.2#

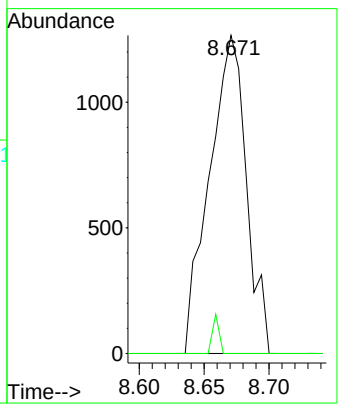




#42
1,2-Dichloroethane
Concen: 0.996 ug/l
RT: 8.671 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 62 Resp: 2512

Ion	Ratio	Lower	Upper
62	100		
98	2.2	0.0	18.2



Instrument :
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ClientSampleId :
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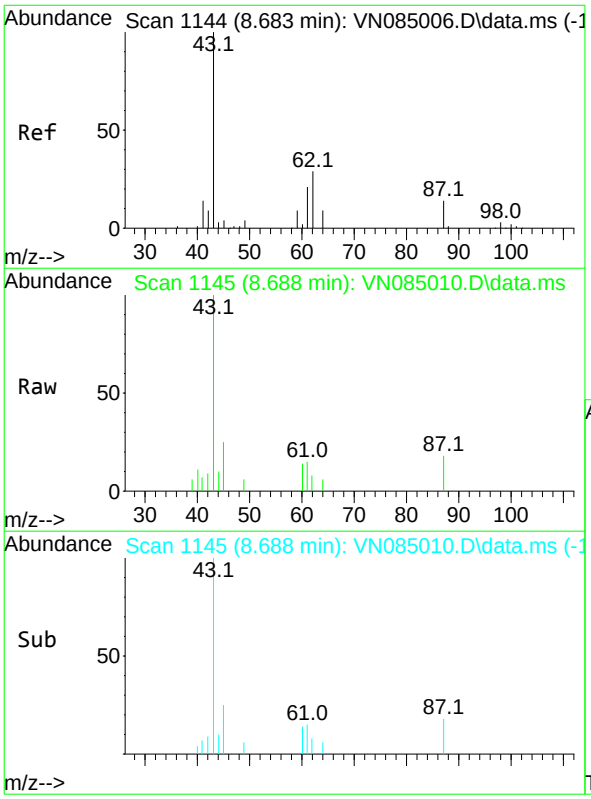
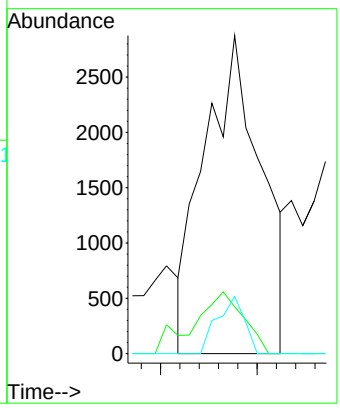
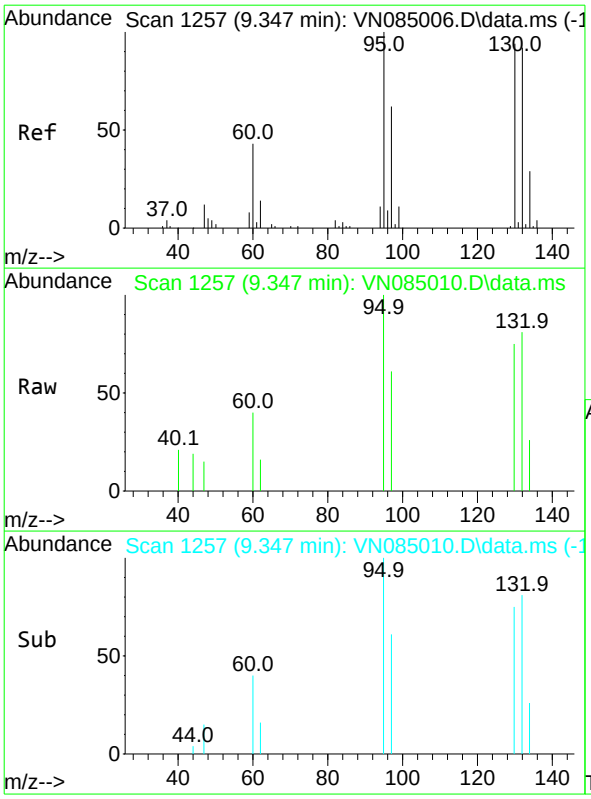


#43
Isopropyl Acetate
Concen: 1.342 ug/l m
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 43 Resp: 5905

Ion	Ratio	Lower	Upper
43	100		
61	17.0	20.6	30.8#
87	8.6	11.0	16.4#

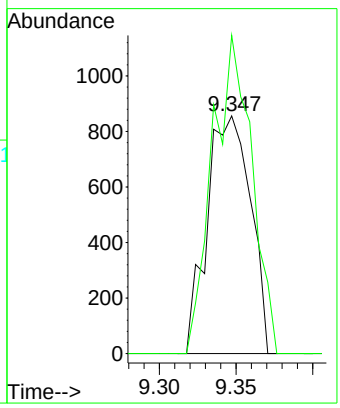




#44
Trichloroethene
Concen: 0.984 ug/l
RT: 9.347 min Scan# 12
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:130 Resp: 1685

Ion	Ratio	Lower	Upper
130	100		
95	133.9	0.0	213.4



Instrument :
MSVOA_N
ClientSampleId :
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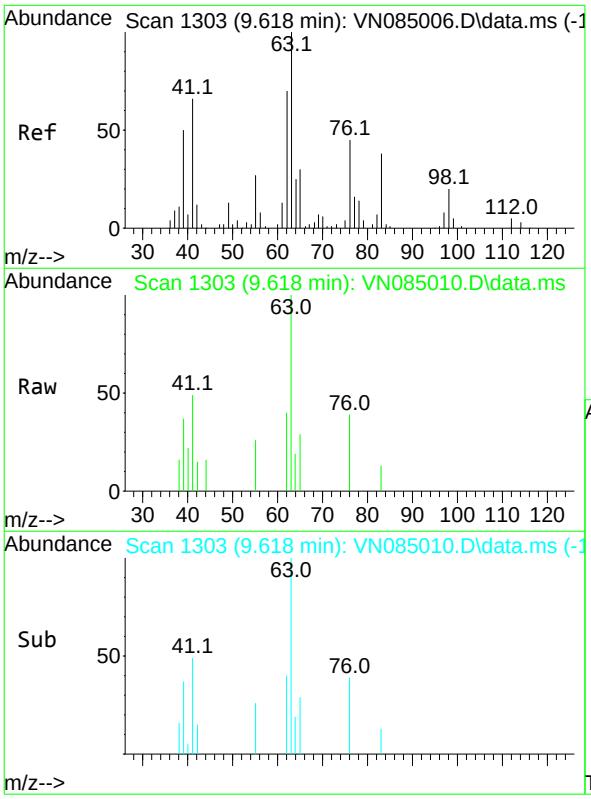
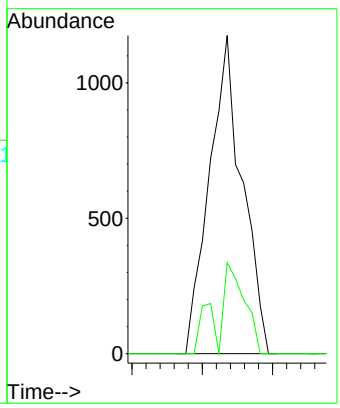
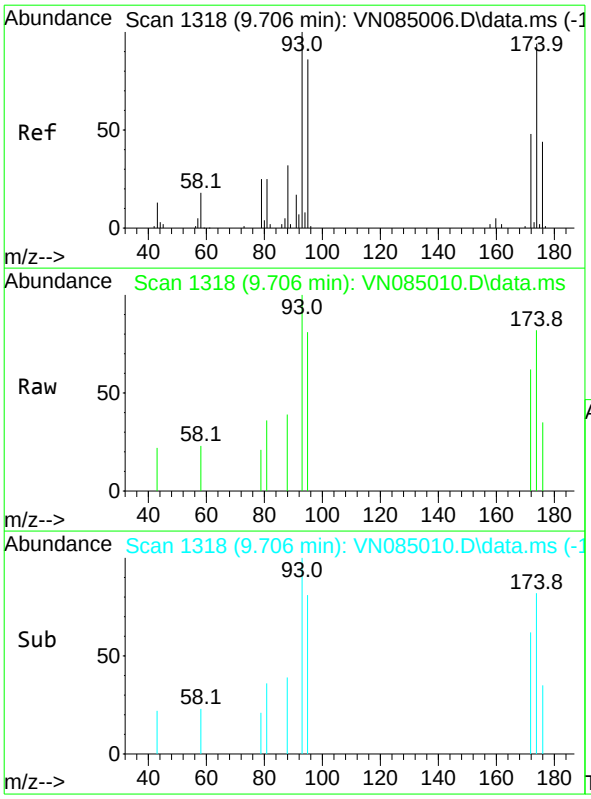


#45
1,2-Dichloropropane
Concen: 1.053 ug/l
RT: 9.618 min Scan# 1303
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 63 Resp: 1911

Ion	Ratio	Lower	Upper
63	100		
65	28.6	24.0	36.0

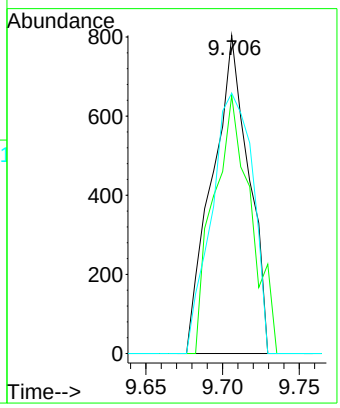




#46
Dibromomethane
Concen: 1.052 ug/l
RT: 9.706 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 93 Resp: 1327

Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.2	99.4
174	92.9	74.9	112.3



Instrument :
MSVOA_N
ClientSampleId :
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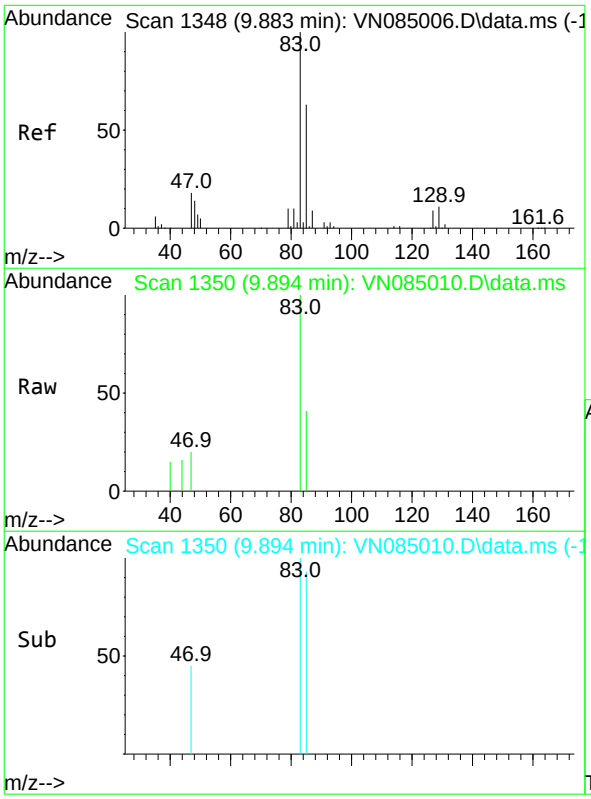
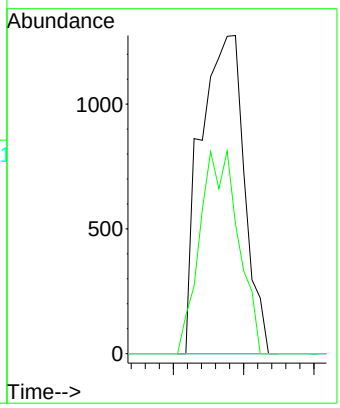
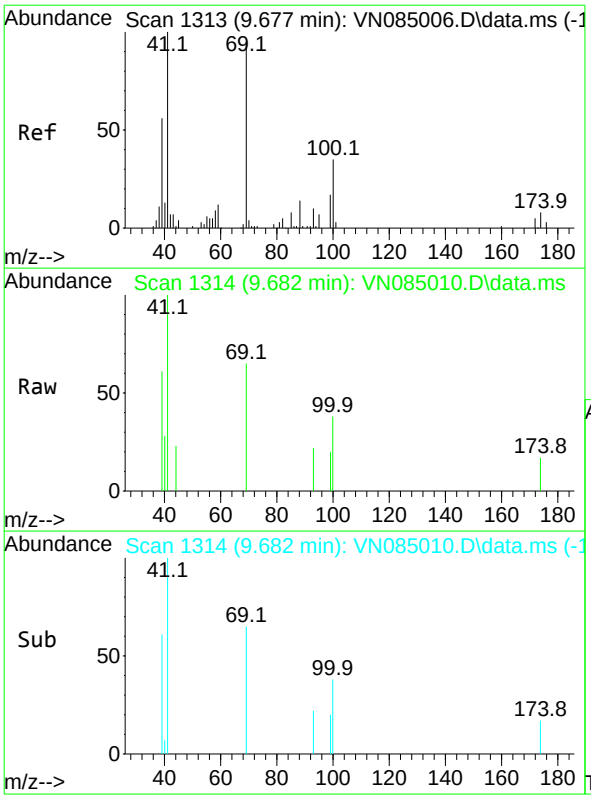


#47
Bromodichloromethane
Concen: 1.031 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.012 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 83 Resp: 2757

Ion	Ratio	Lower	Upper
83	100		
85	40.9	50.5	75.7#
127	0.0	7.1	10.7#

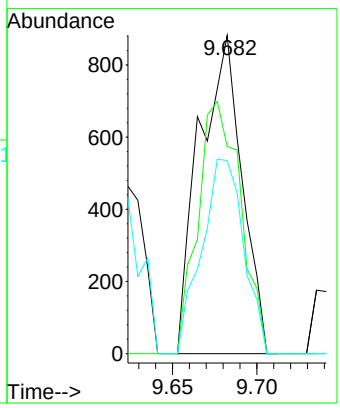




#48
Methyl methacrylate
Concen: 0.946 ug/l
RT: 9.682 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 41 Resp: 1550

Ion	Ratio	Lower	Upper
41	100		
69	79.2	73.2	109.8
39	60.1	46.2	69.4



Instrument :
MSVOA_N
ClientSampleId :
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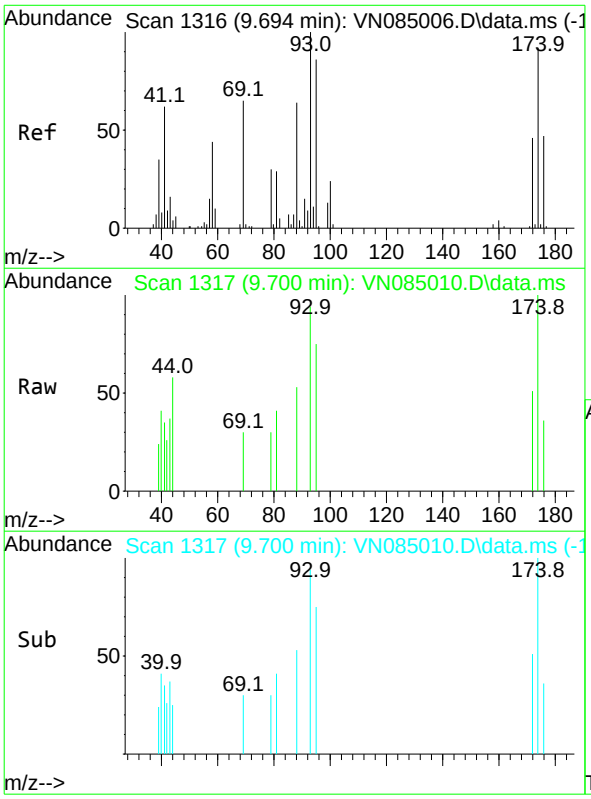
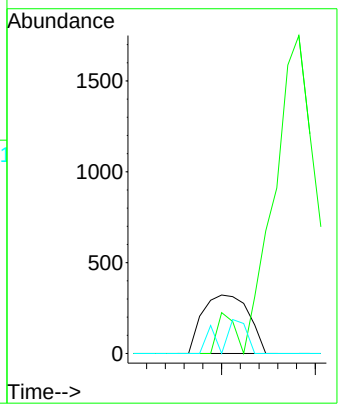
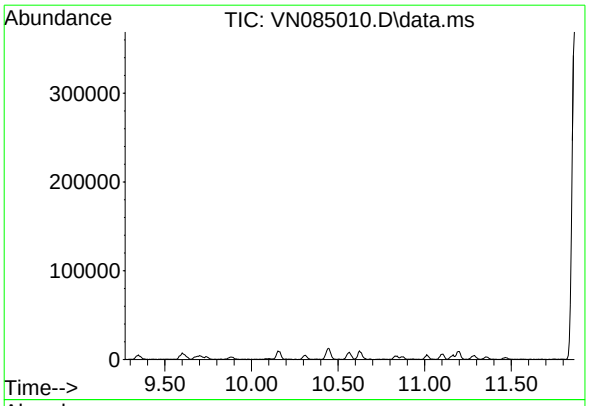


#49
1,4-Dioxane
Concen: 19.470 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 88 Resp: 553

Ion	Ratio	Lower	Upper
88	100		
43	0.0	16.7	25.1#
58	32.4	56.5	84.7#





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.56 min

Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 98

Sig	Exp Ratio
98	100
100	65.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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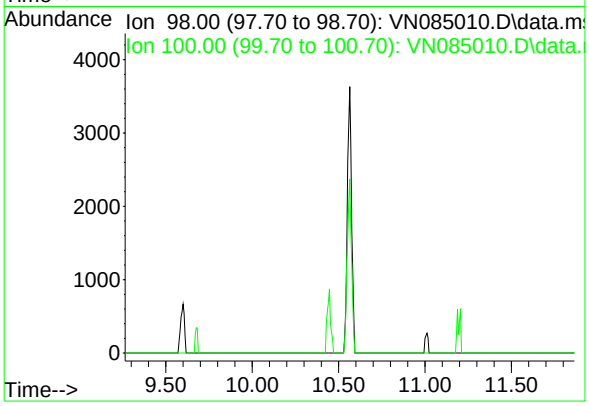
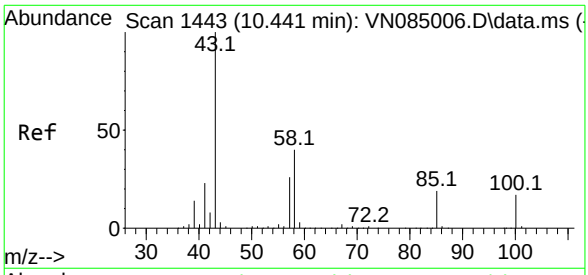
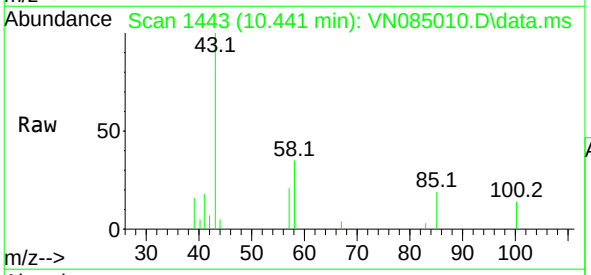


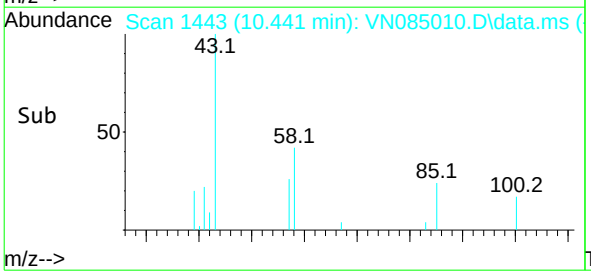


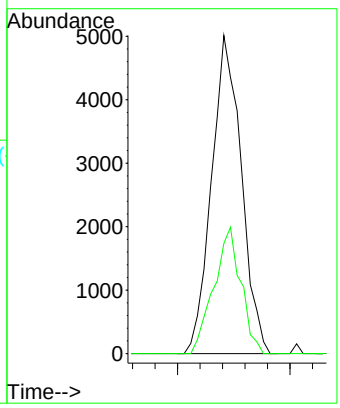
#51
4-Methyl-2-Pentanone
Concen: 4.578 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

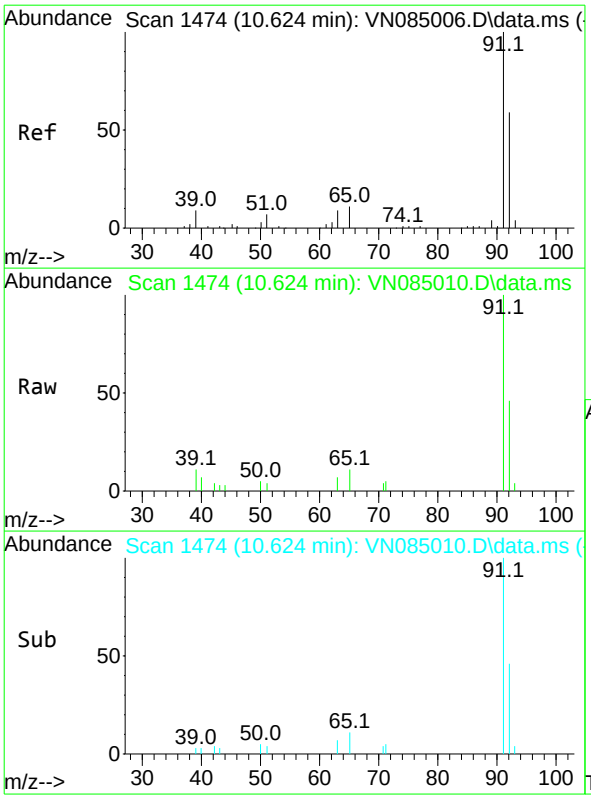
Tgt Ion: 43 Resp: 9203

Ion	Ratio	Lower	Upper
43	100		
58	36.0	32.1	48.1





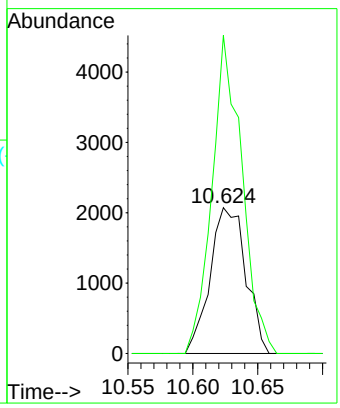




#52
Toluene
Concen: 0.912 ug/l
RT: 10.624 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 92 Resp: 3979

Ion	Ratio	Lower	Upper
92	100		
91	182.5	136.7	205.1



Instrument :
MSVOA_N
ClientSampleId :
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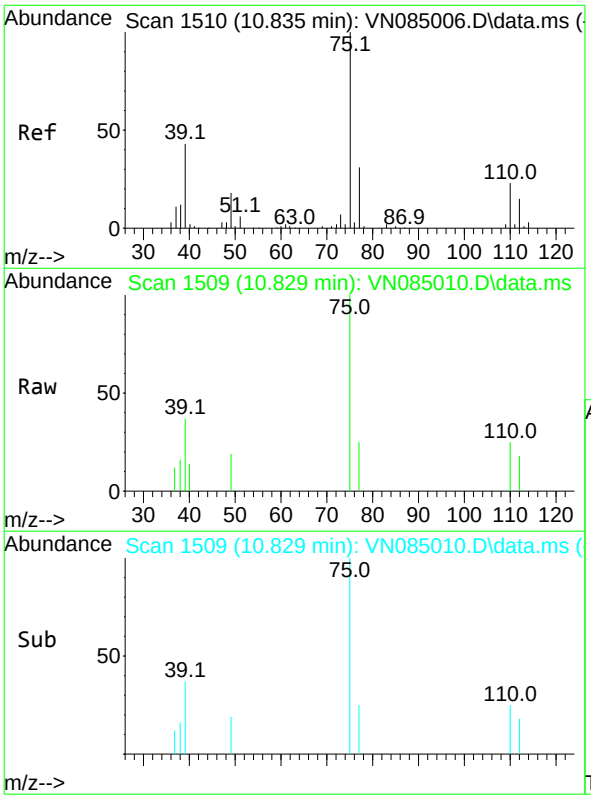
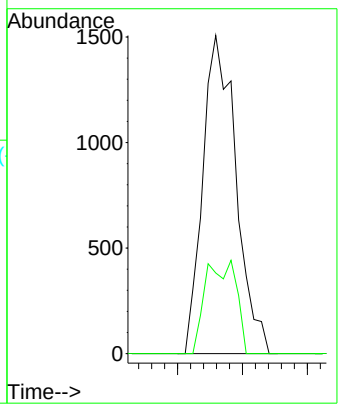
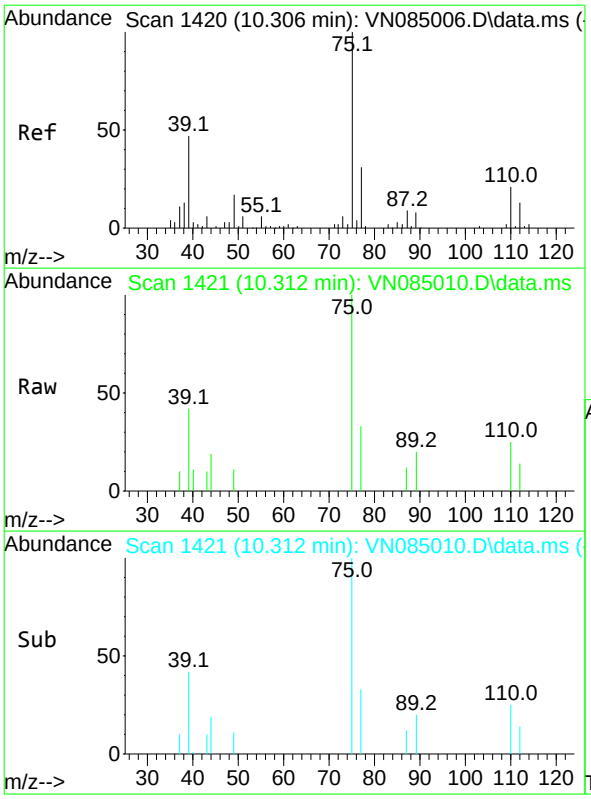


#53
t-1,3-Dichloropropene
Concen: 1.000 ug/l
RT: 10.829 min Scan# 1509
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 75 Resp: 2680

Ion	Ratio	Lower	Upper
75	100		
77	25.3	25.0	37.4

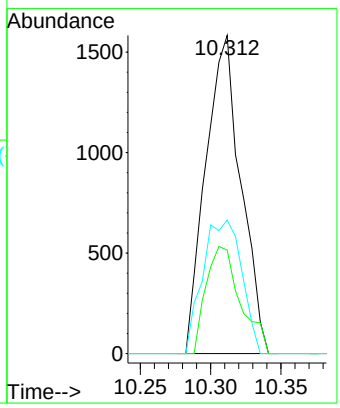




#54
cis-1,3-Dichloropropene
Concen: 0.970 ug/l
RT: 10.312 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 75 Resp: 2759

Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.0	37.4
39	41.9	37.6	56.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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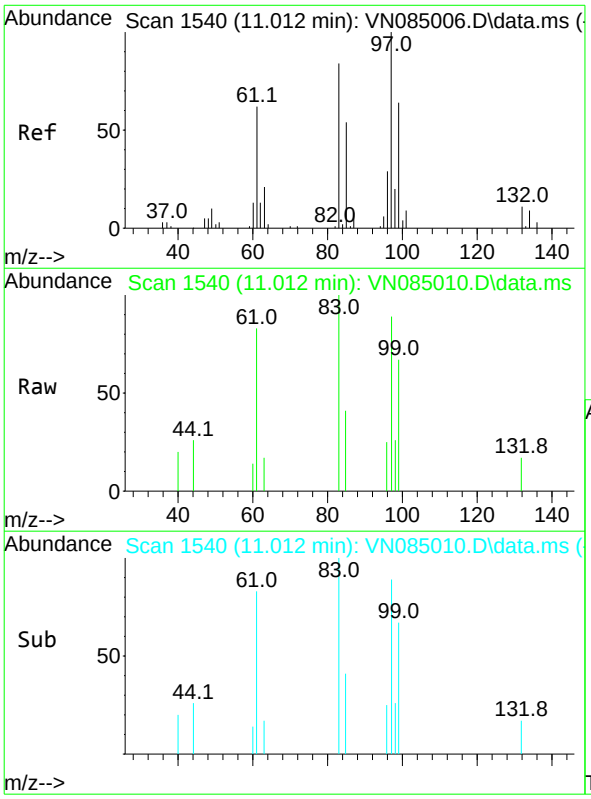
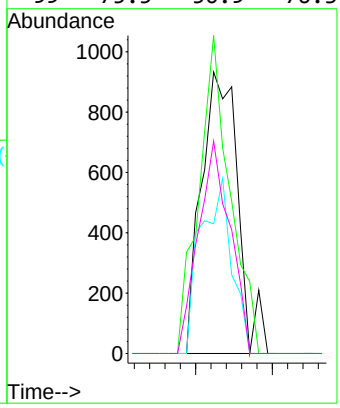
Supervised By :Mahesh Dadoda 11/25/2024

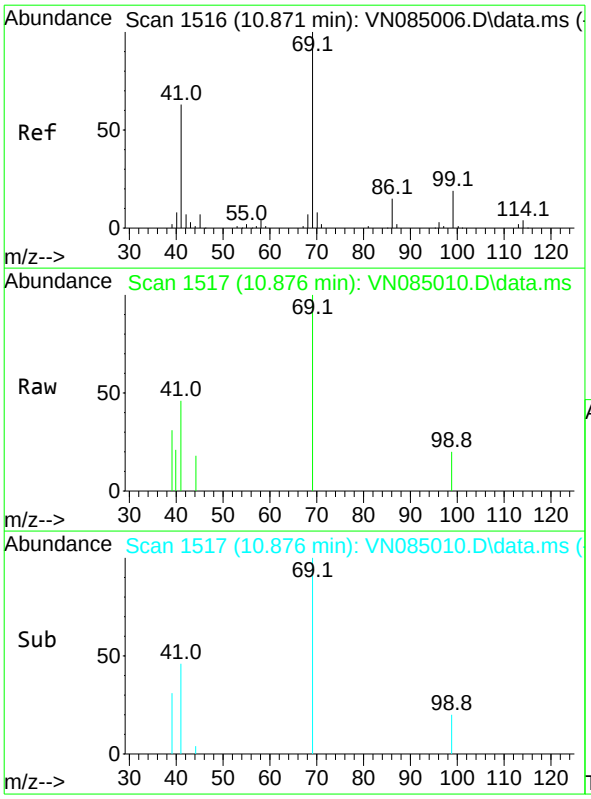


#55
1,1,2-Trichloroethane
Concen: 0.945 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 97 Resp: 1536

Ion	Ratio	Lower	Upper
97	100		
83	113.0	67.4	101.2#
85	46.1	43.1	64.7
99	75.5	50.9	76.3

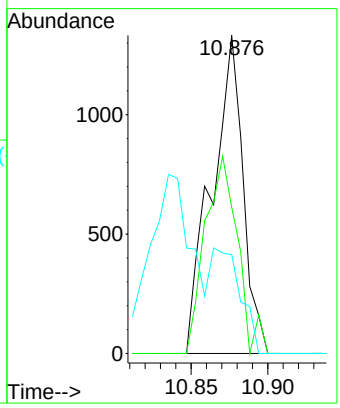




#56
Ethyl methacrylate
Concen: 0.795 ug/l
RT: 10.876 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 69 Resp: 1888

Ion	Ratio	Lower	Upper
69	100		
41	64.1	50.0	75.0
39	31.6	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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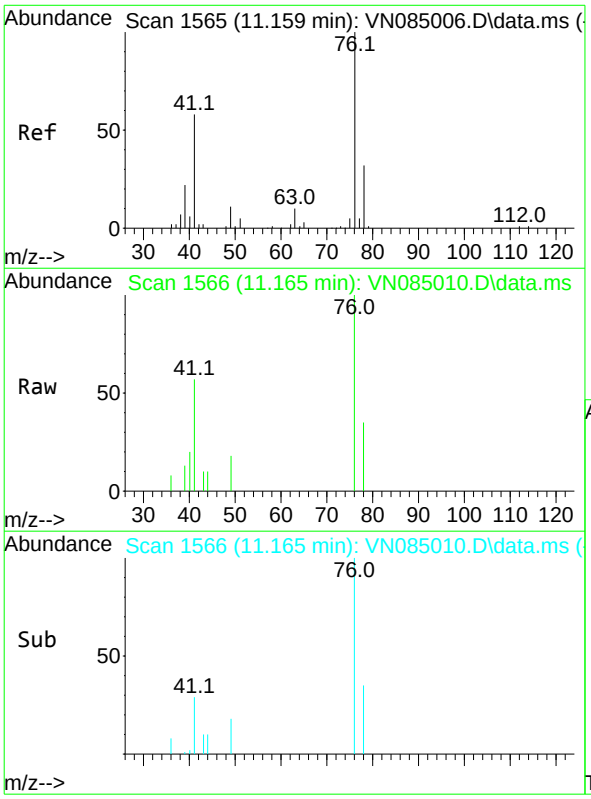
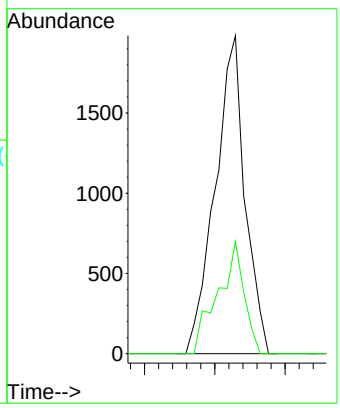
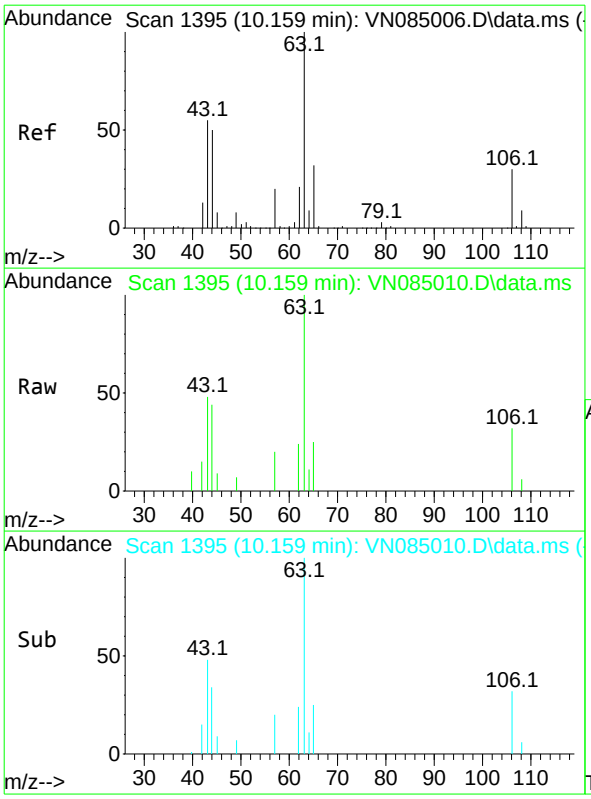


#57
1,3-Dichloropropane
Concen: 1.020 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 76 Resp: 2917

Ion	Ratio	Lower	Upper
76	100		
78	31.1	26.1	39.1

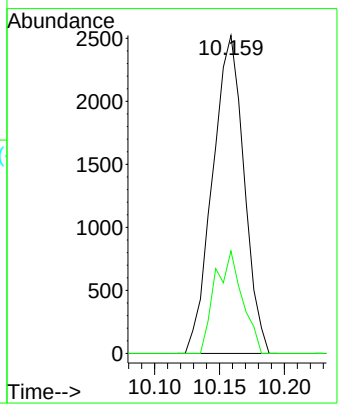




#58
2-Chloroethyl Vinyl ether
Concen: 3.651 ug/l
RT: 10.159 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 63 Resp: 4254

Ion	Ratio	Lower	Upper
63	100		
106	28.0	23.0	34.6



Instrument :
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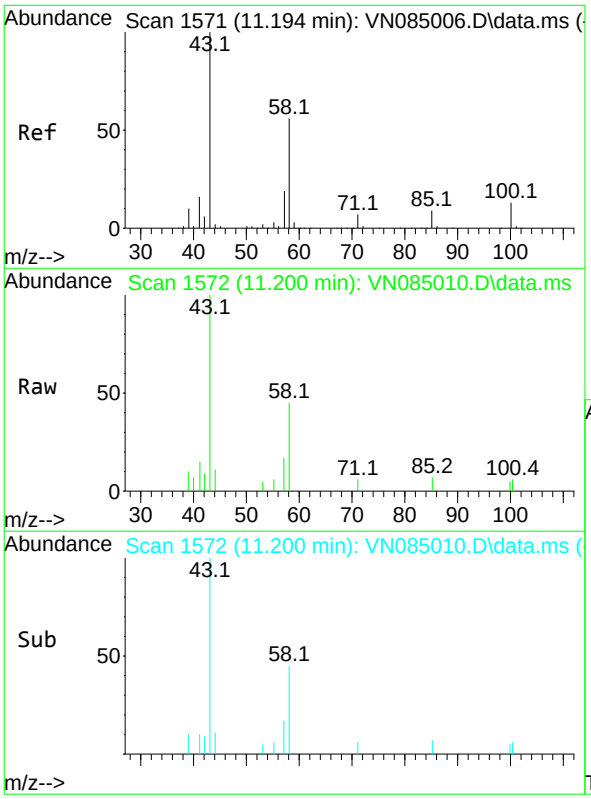
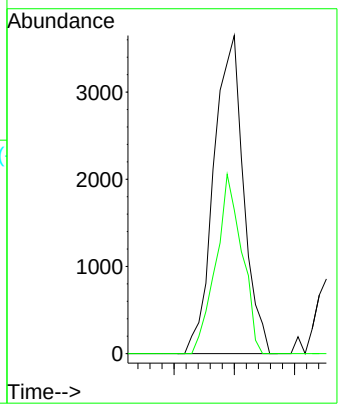
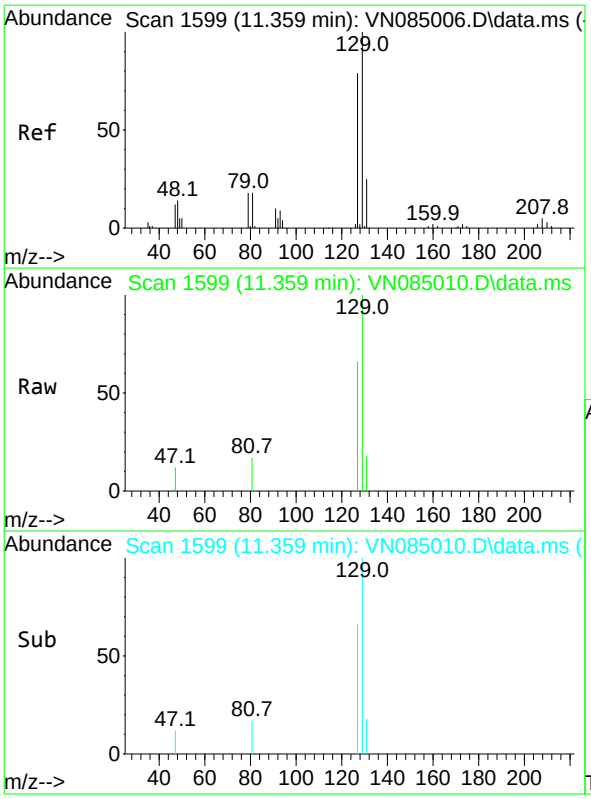


#59
2-Hexanone
Concen: 4.166 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 43 Resp: 6264

Ion	Ratio	Lower	Upper
43	100		
58	49.4	28.3	85.0

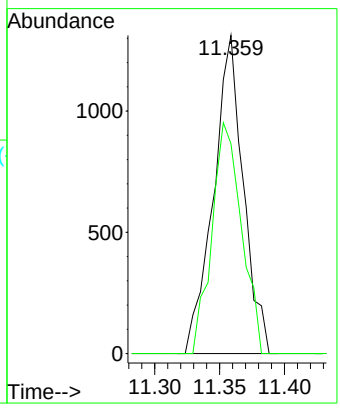




#60
Dibromochloromethane
Concen: 1.057 ug/l
RT: 11.359 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:129 Resp: 2099

Ion	Ratio	Lower	Upper
129	100		
127	72.0	39.2	117.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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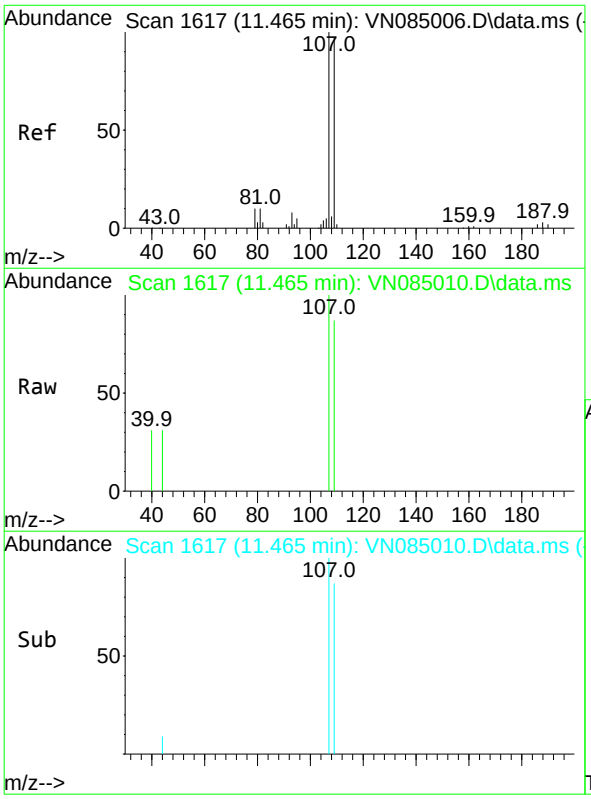
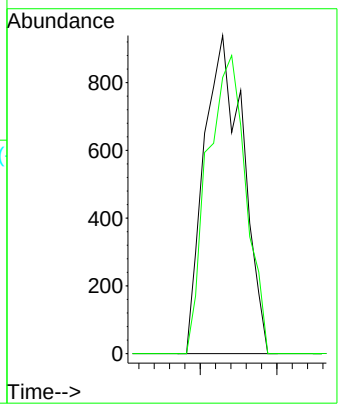
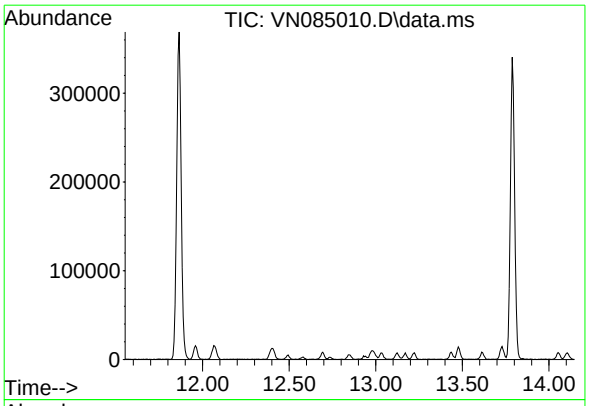


#61
1,2-Dibromoethane
Concen: 0.980 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:107 Resp: 1648

Ion	Ratio	Lower	Upper
107	100		
109	93.0	76.1	114.1





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.85 min

Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 95

Sig	Exp Ratio
95	100
174	73.3
176	70.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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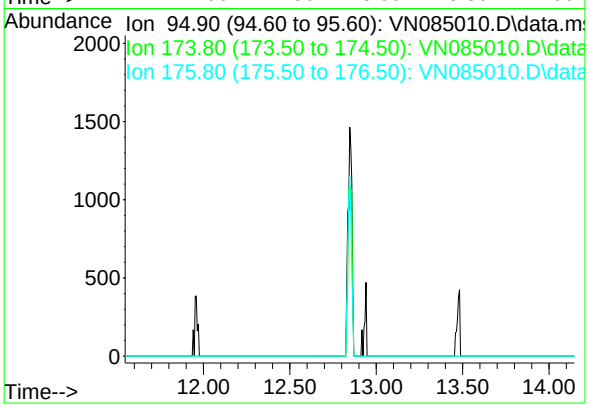
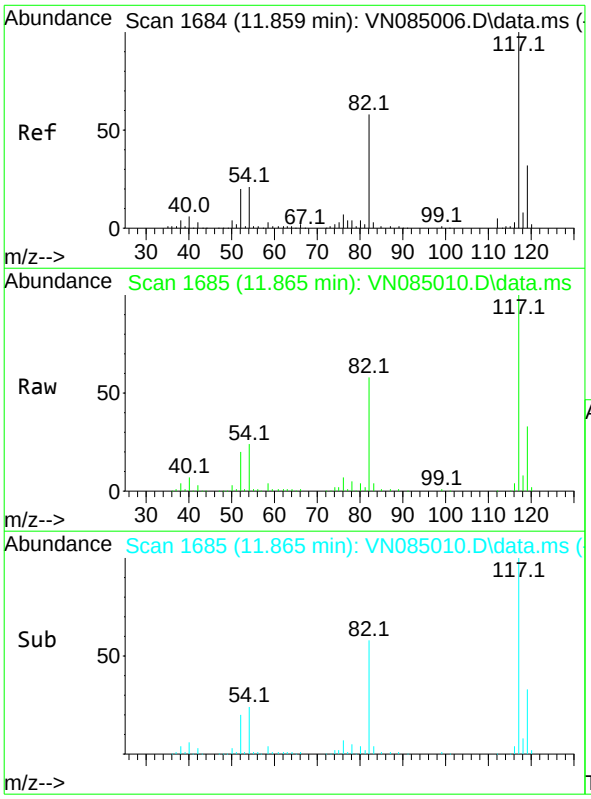
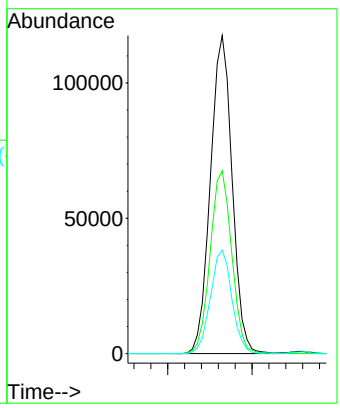


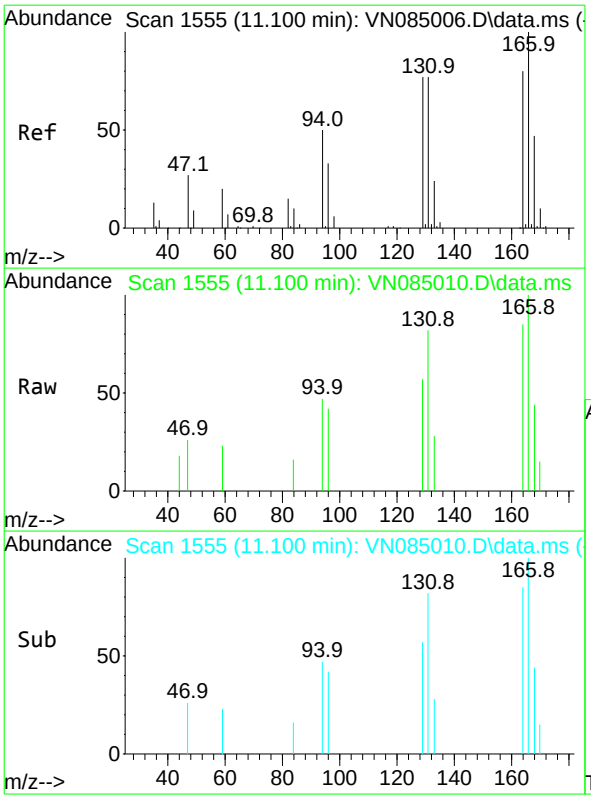


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:117 Resp: 210265

Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.0	69.0
119	32.5	25.6	38.4

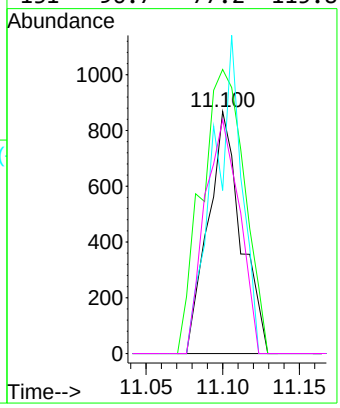




#64
Tetrachloroethene
Concen: 0.911 ug/l
RT: 11.100 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:164 Resp: 1291

Ion	Ratio	Lower	Upper
164	100		
166	117.4	100.6	151.0
129	67.4	77.7	116.5#
131	96.7	77.2	115.8



Instrument :
MSVOA_N
ClientSampleId :
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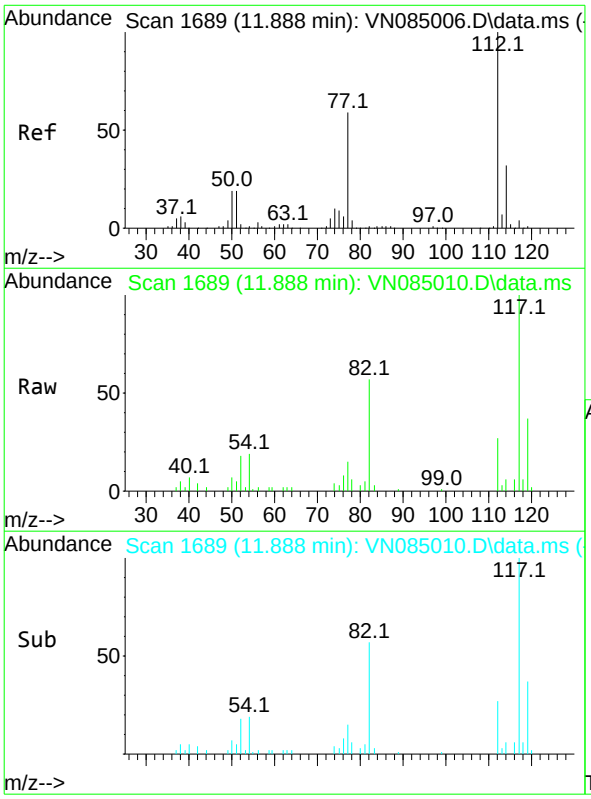
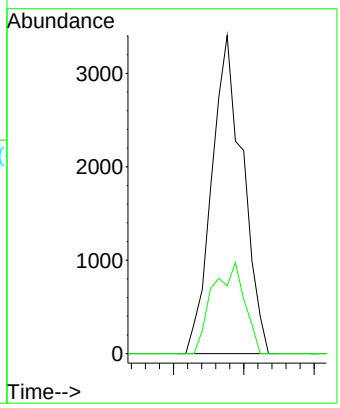
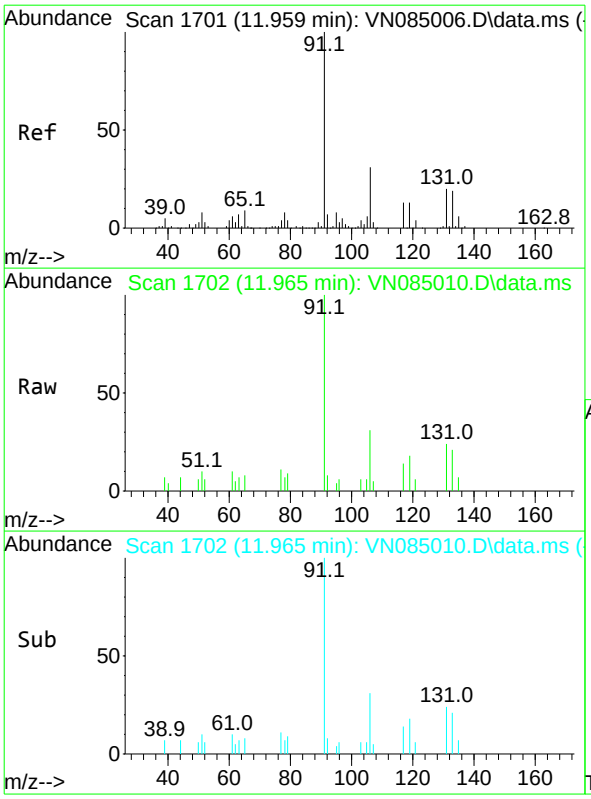


#65
Chlorobenzene
Concen: 1.094 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:112 Resp: 5217

Ion	Ratio	Lower	Upper
112	100		
114	21.3	25.8	38.6#

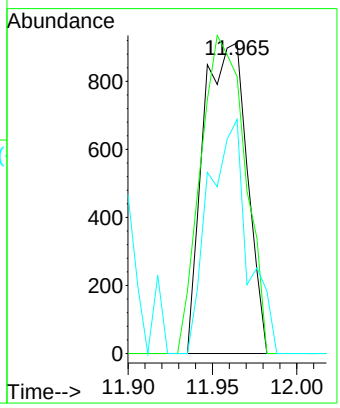




#66
1,1,1,2-Tetrachloroethane
Concen: 0.976 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:131 Resp: 1639

Ion	Ratio	Lower	Upper
131	100		
133	104.3	47.8	143.4
119	0.0	32.1	96.3#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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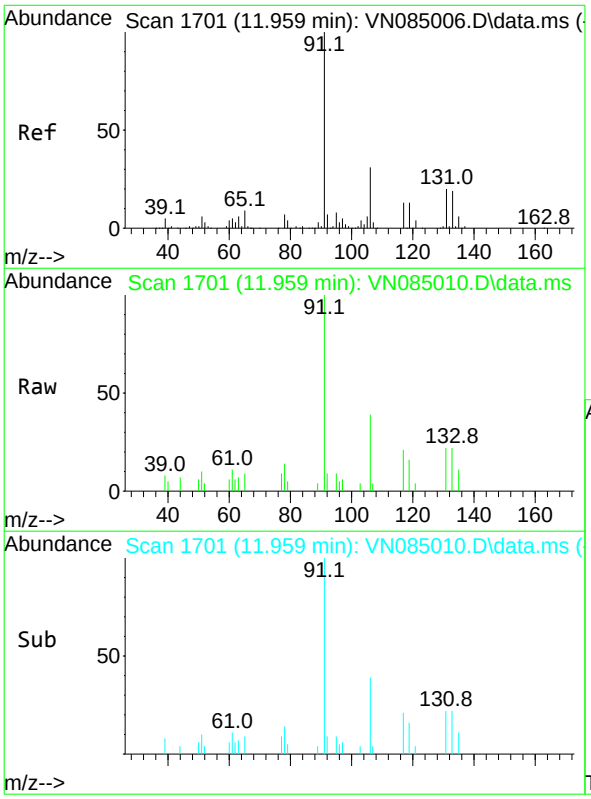
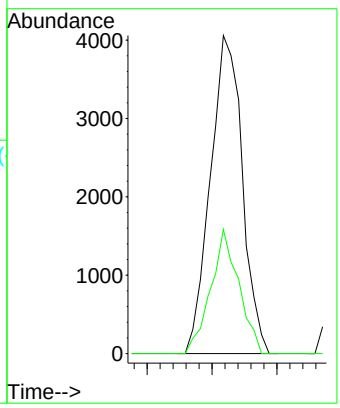
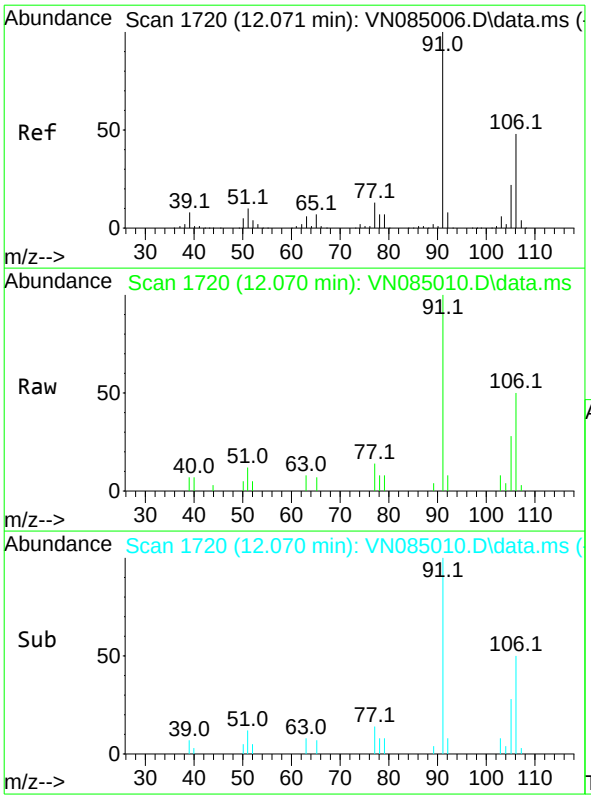


#67
Ethyl Benzene
Concen: 0.894 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 91 Resp: 6914

Ion	Ratio	Lower	Upper
91	100		
106	39.1	24.7	37.1#

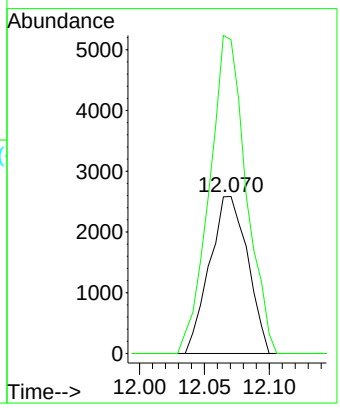




#68
m/p-Xylenes
Concen: 1.789 ug/l
RT: 12.070 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:106 Resp: 5269

Ion	Ratio	Lower	Upper
106	100		
91	195.9	168.0	252.0



Instrument :
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ClientSampleId :
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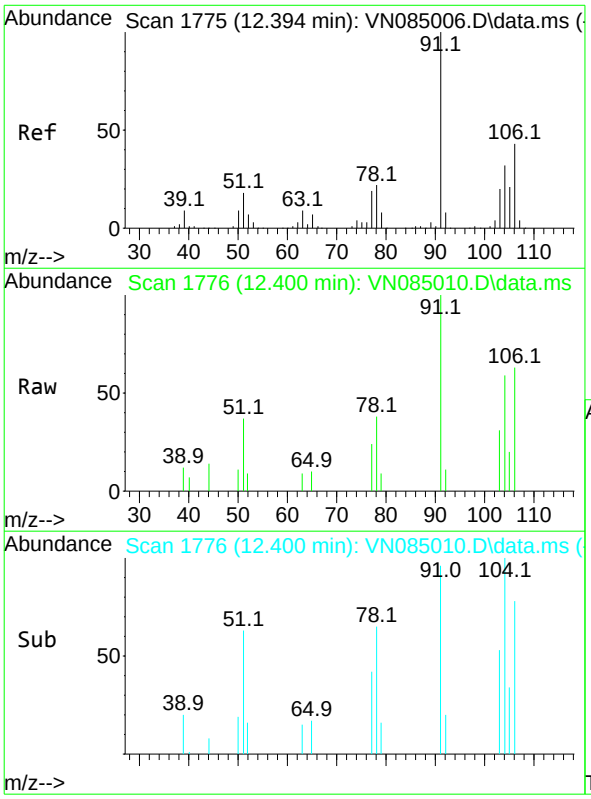
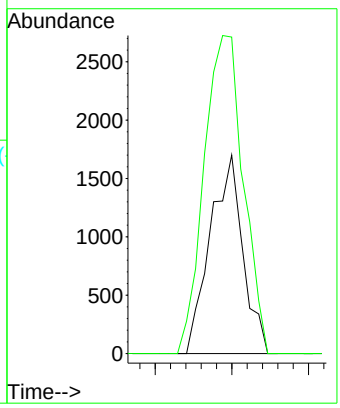
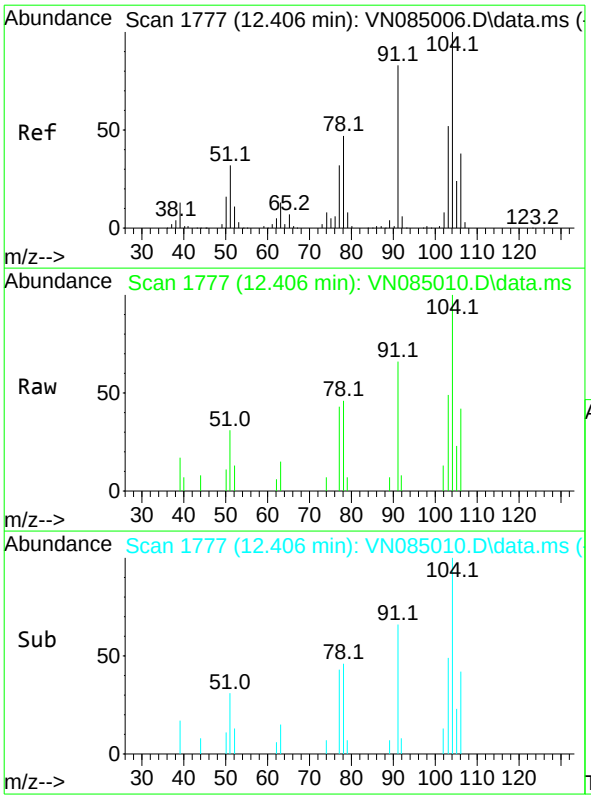


#69
o-Xylene
Concen: 0.897 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:106 Resp: 2514

Ion	Ratio	Lower	Upper
106	100		
91	192.8	110.7	331.9

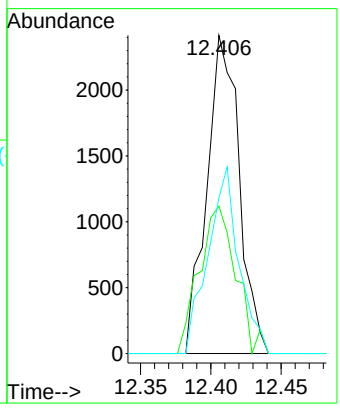




#70
Styrene
Concen: 0.831 ug/l
RT: 12.406 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:104 Resp: 3871

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.3	63.5
103	56.0	44.2	66.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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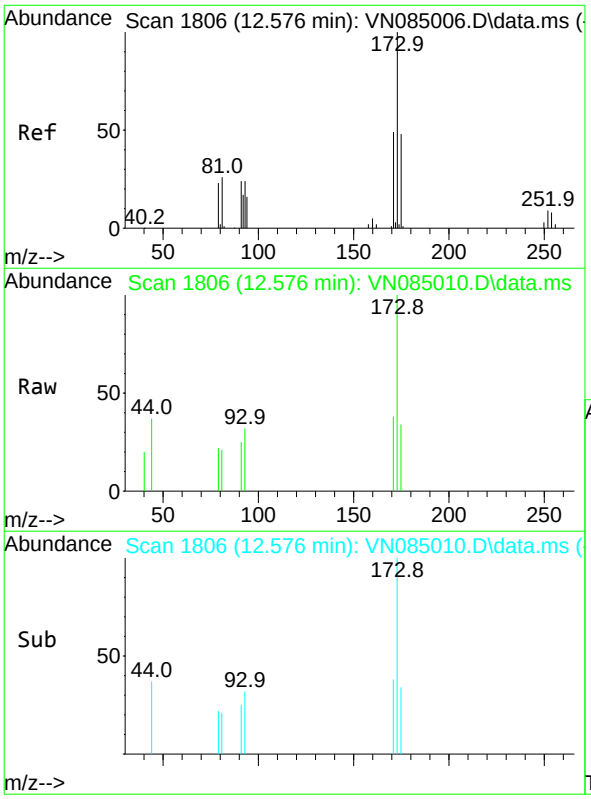
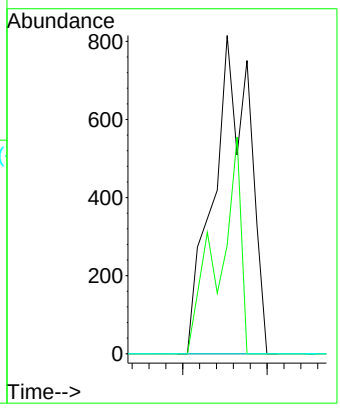
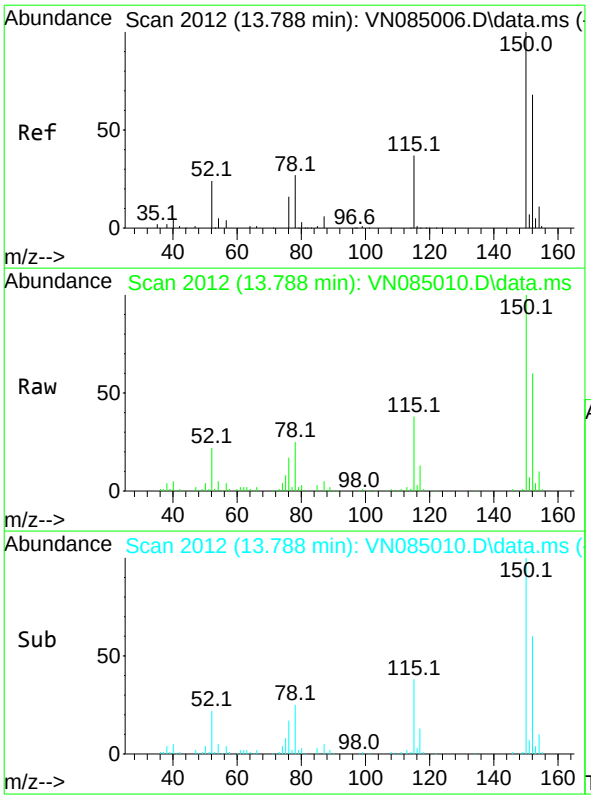


#71
Bromoform
Concen: 0.975 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:173 Resp: 1215

Ion	Ratio	Lower	Upper
173	100		
175	42.1	23.8	71.2
254	0.0	0.0	0.0

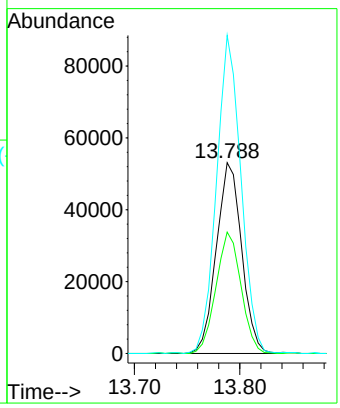




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:152 Resp: 88784

Ion	Ratio	Lower	Upper
152	100		
115	62.8	31.7	95.1
150	161.6	0.0	351.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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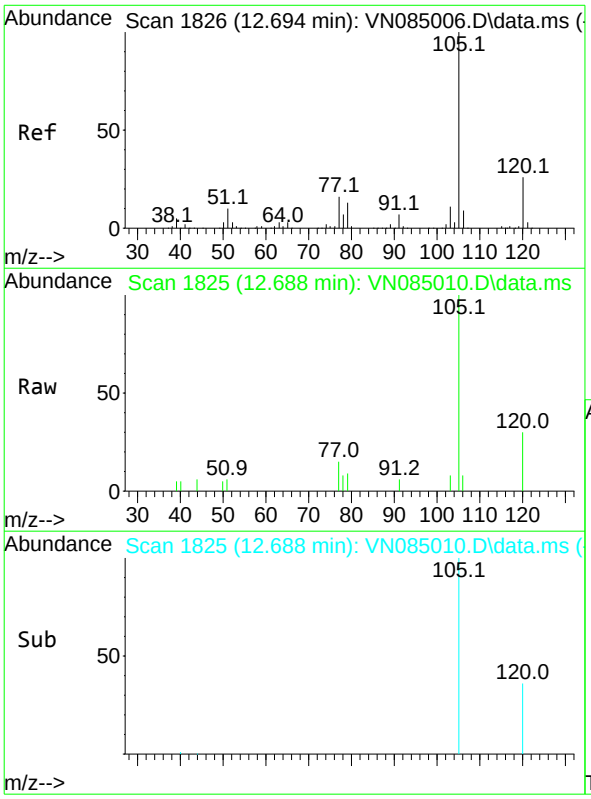
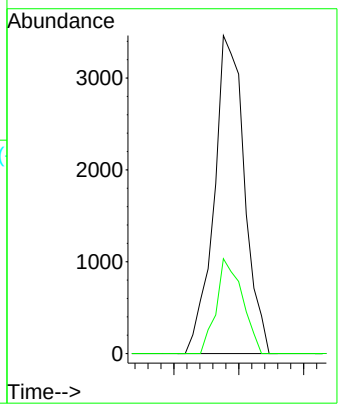
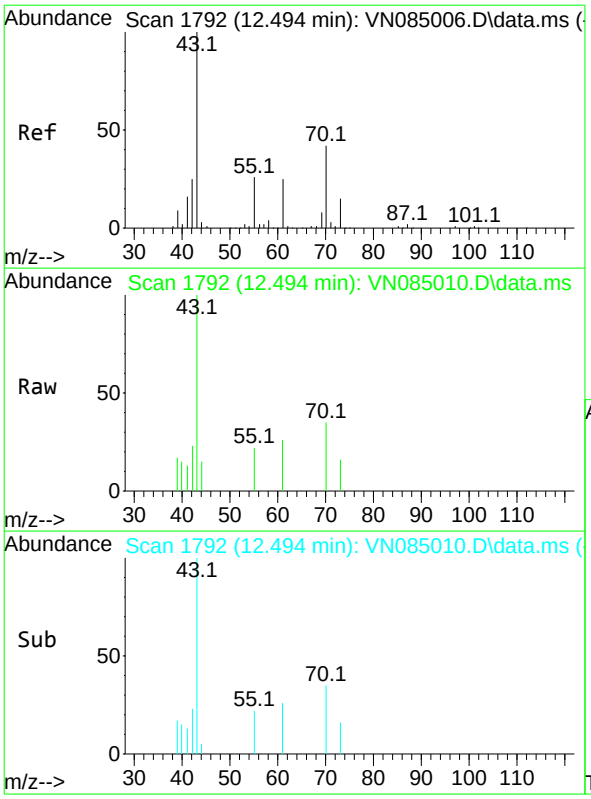


#73
Isopropylbenzene
Concen: 0.900 ug/l
RT: 12.688 min Scan# 1825
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:105 Resp: 5637

Ion	Ratio	Lower	Upper
105	100		
120	25.5	13.0	39.0

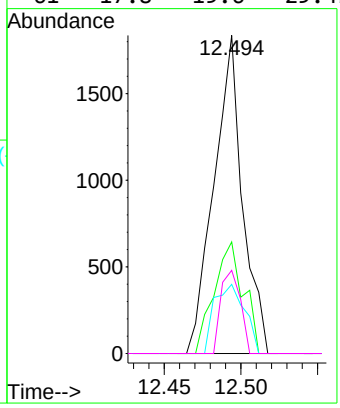




#74
N-amyl acetate
Concen: 0.921 ug/l
RT: 12.494 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 43 Resp: 2377

Ion	Ratio	Lower	Upper
43	100		
70	36.0	34.6	51.8
55	23.1	20.5	30.7
61	17.8	19.6	29.4#



Instrument :
MSVOA_N
ClientSampleId :
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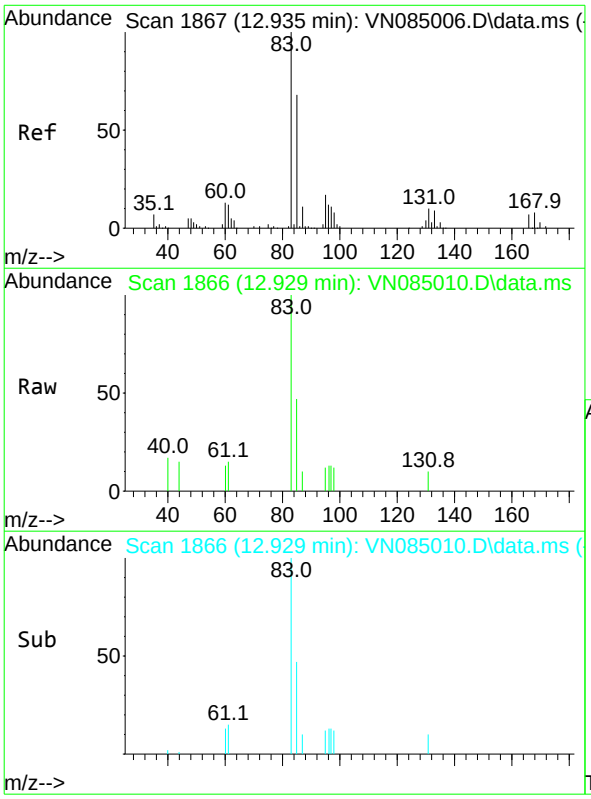
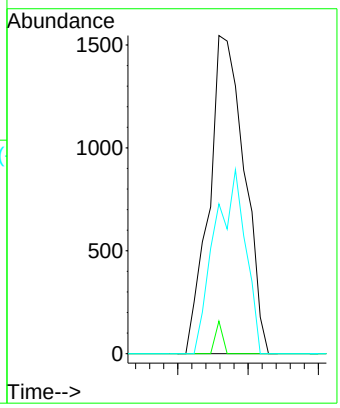
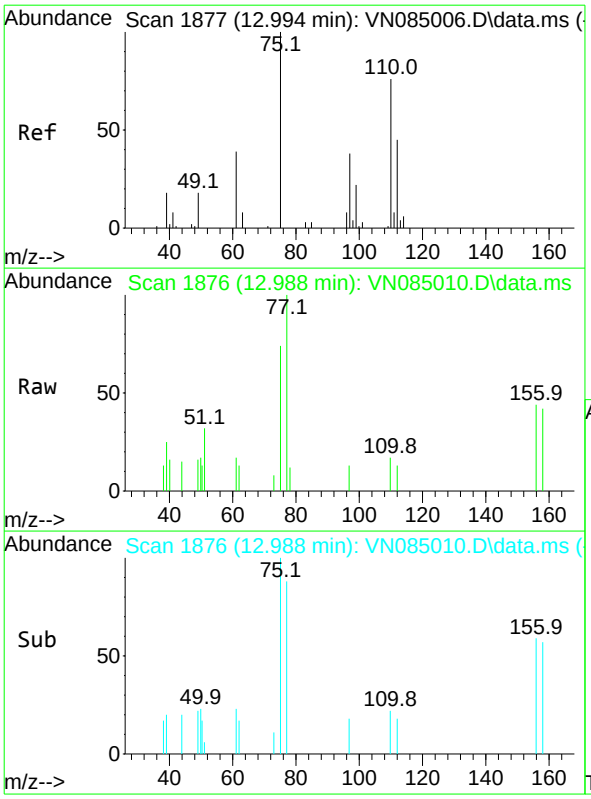


#75
1,1,2,2-Tetrachloroethane
Concen: 1.260 ug/l
RT: 12.929 min Scan# 1866
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 83 Resp: 2694

Ion	Ratio	Lower	Upper
83	100		
131	2.1	5.1	15.4#
85	50.6	32.1	96.3

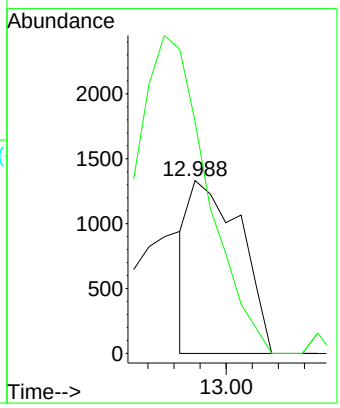




#76
1,2,3-Trichloropropane
Concen: 1.093 ug/l m
RT: 12.988 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 75 Resp: 1816

Ion	Ratio	Lower	Upper
75	100		
77	257.4	109.1	327.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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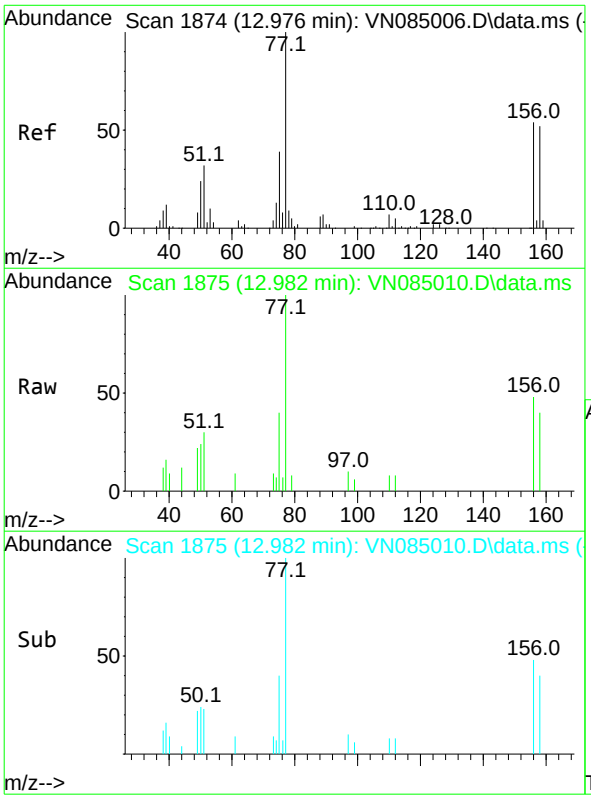
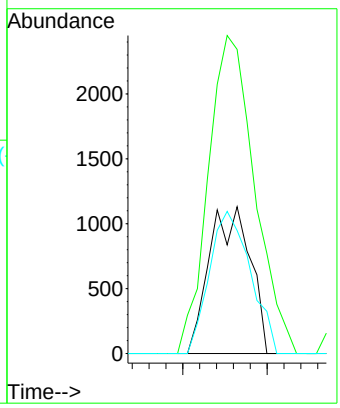
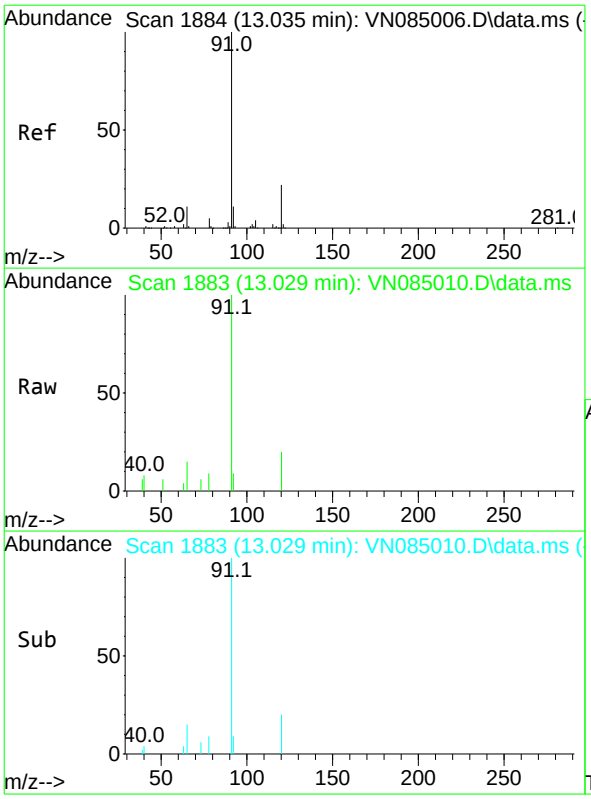


#77
Bromobenzene
Concen: 1.129 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:156 Resp: 1903

Ion	Ratio	Lower	Upper
156	100		
77	245.7	107.2	321.6
158	97.5	48.5	145.6

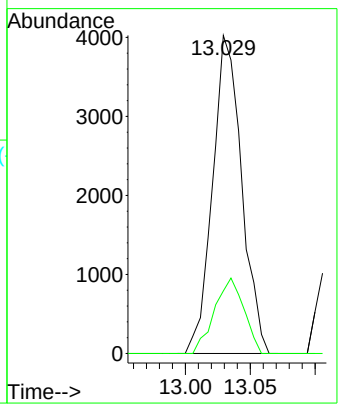




#78
n-propylbenzene
Concen: 0.869 ug/l
RT: 13.029 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 91 Resp: 6275

Ion	Ratio	Lower	Upper
91	100		
120	24.0	11.3	33.9



Instrument :
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ClientSampleId :
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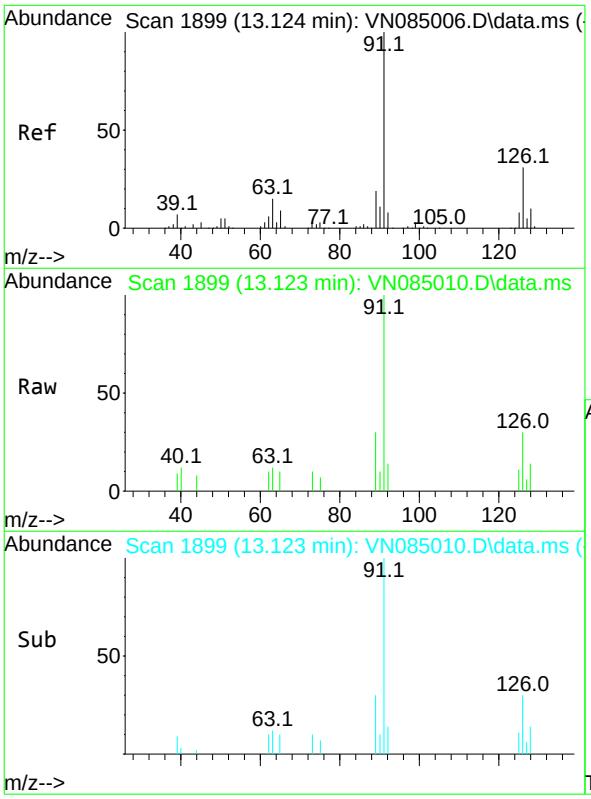
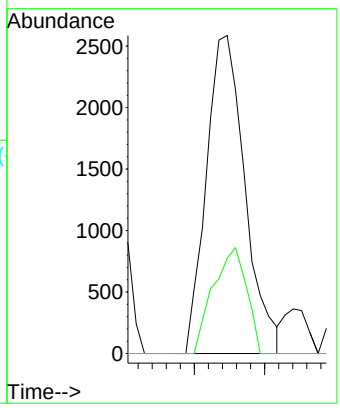
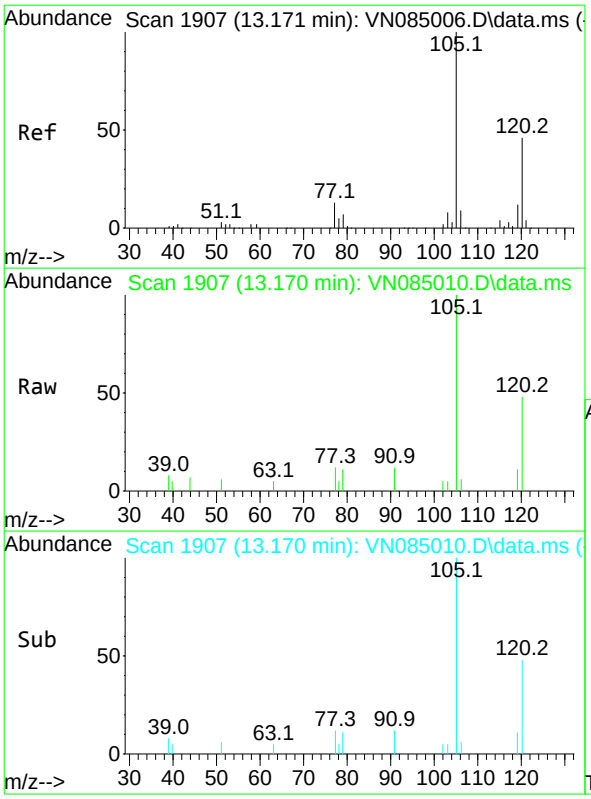


#79
2-Chlorotoluene
Concen: 1.023 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 91 Resp: 4935

Ion	Ratio	Lower	Upper
91	100		
126	28.8	16.1	48.3

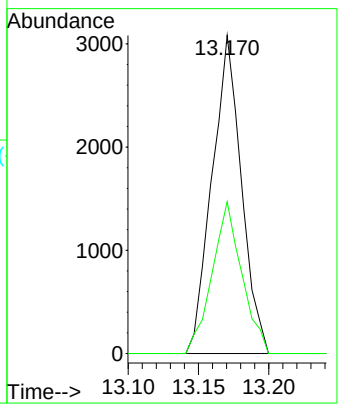




#80
1,3,5-Trimethylbenzene
Concen: 0.851 ug/l
RT: 13.170 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:105 Resp: 4473

Ion	Ratio	Lower	Upper
105	100		
120	48.3	23.6	71.0



Instrument :
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ClientSampleId :
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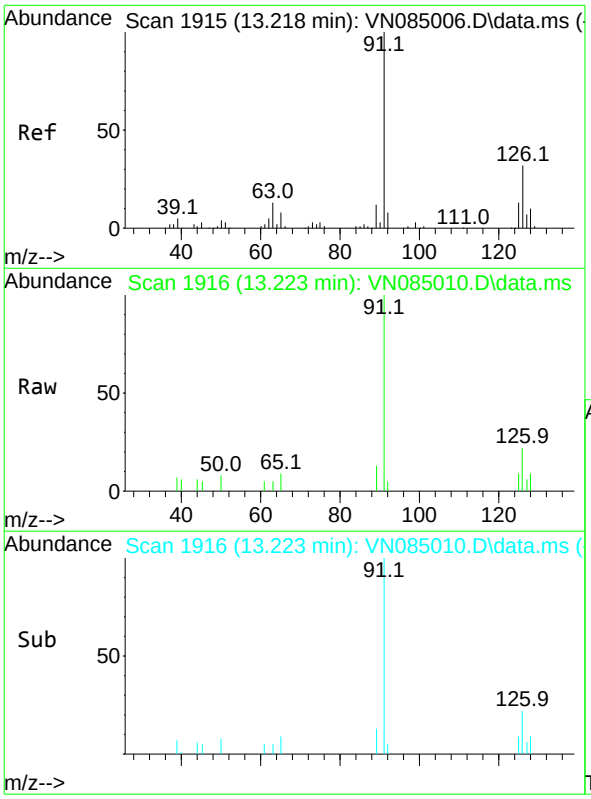
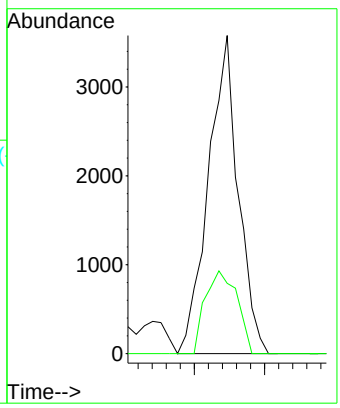
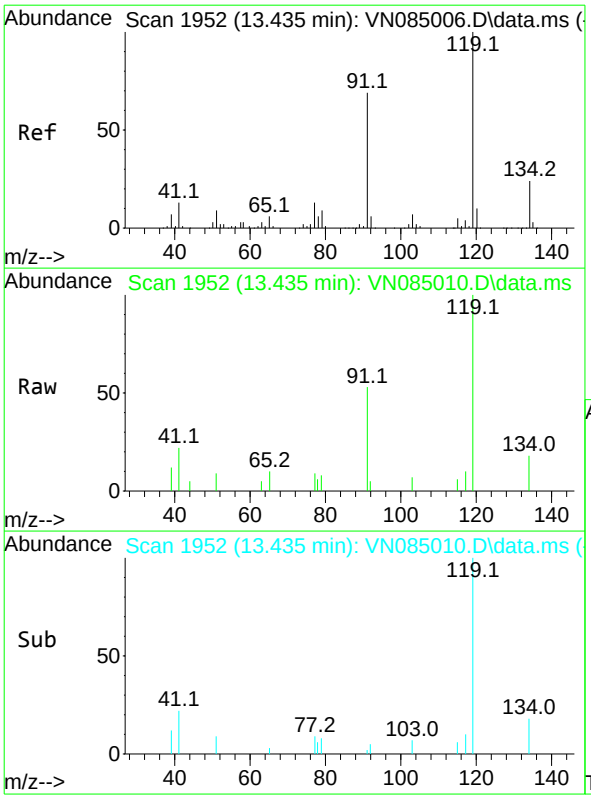


#82
4-Chlorotoluene
Concen: 1.053 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 91 Resp: 5286

Ion	Ratio	Lower	Upper
91	100		
126	27.6	16.1	48.3

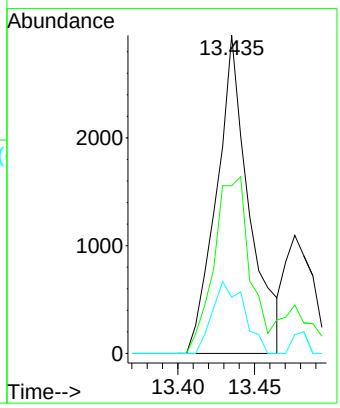




#83
tert-Butylbenzene
Concen: 0.963 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:119 Resp: 4357

Ion	Ratio	Lower	Upper
119	100		
91	61.2	35.1	105.5
134	22.2	12.1	36.3



Instrument :
MSVOA_N
ClientSampleId :
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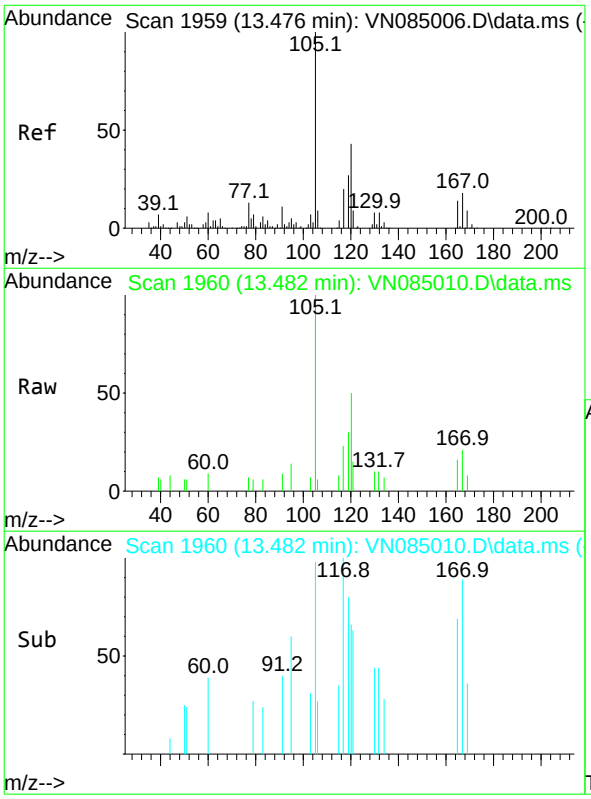
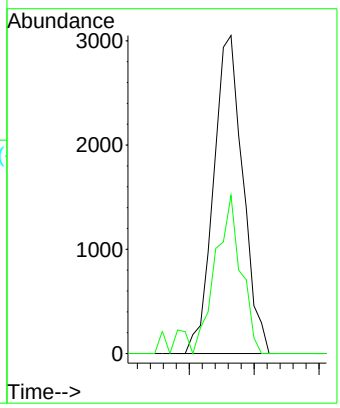
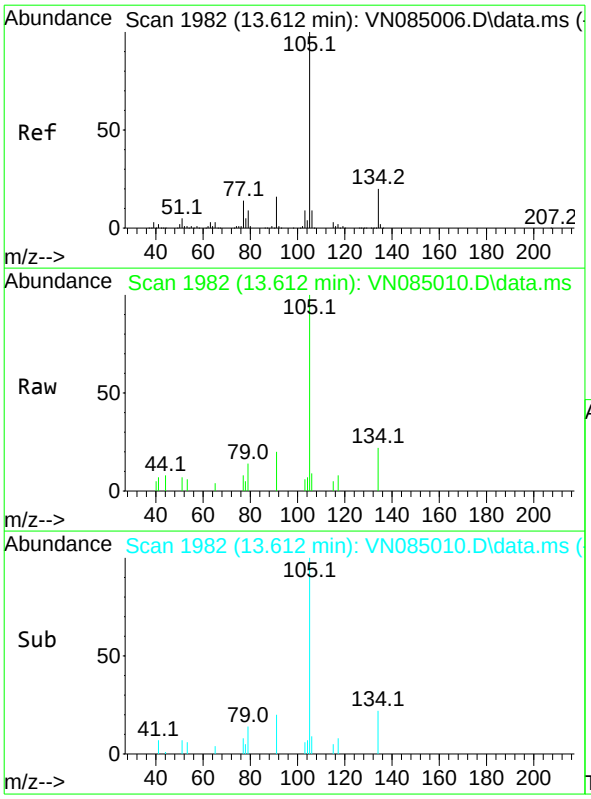


#84
1,2,4-Trimethylbenzene
Concen: 0.888 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:105 Resp: 4802

Ion	Ratio	Lower	Upper
105	100		
120	43.4	21.8	65.4

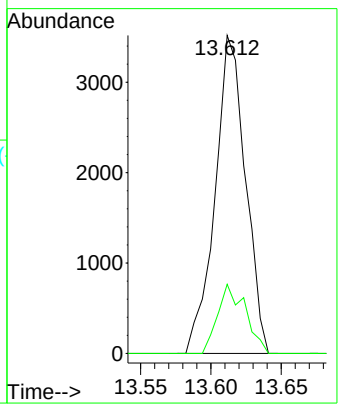




#85
sec-Butylbenzene
Concen: 0.865 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:105 Resp: 5284

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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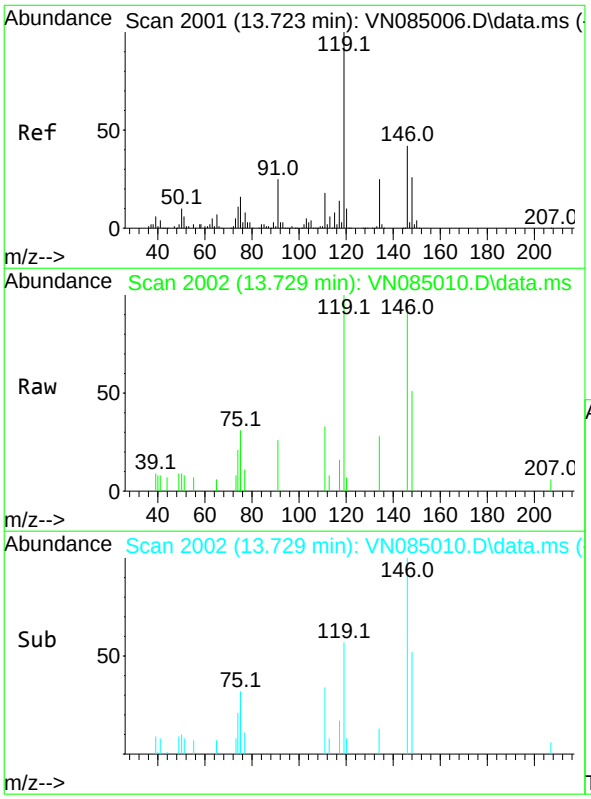
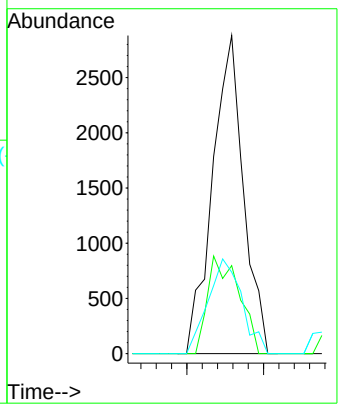
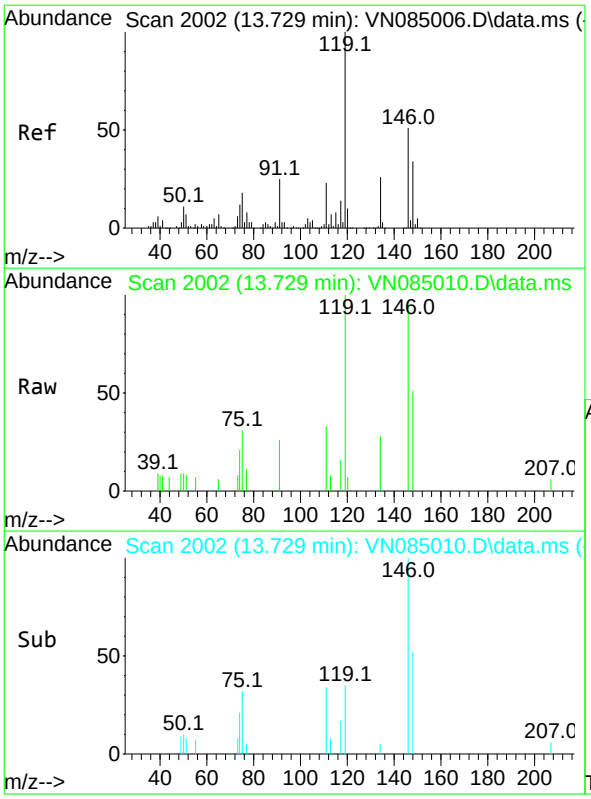


#86
p-Isopropyltoluene
Concen: 0.803 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:119 Resp: 4047

Ion	Ratio	Lower	Upper
119	100		
134	31.1	13.0	39.0
91	32.5	12.8	38.4

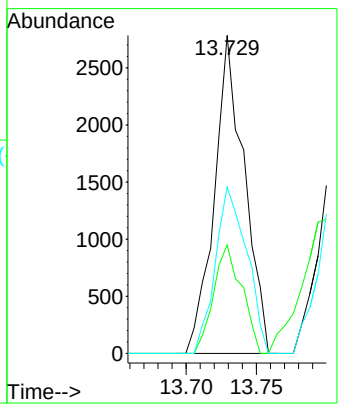




#87
1,3-Dichlorobenzene
Concen: 1.243 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:146 Resp: 4131

Ion	Ratio	Lower	Upper
146	100		
111	32.0	21.6	65.0
148	54.9	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
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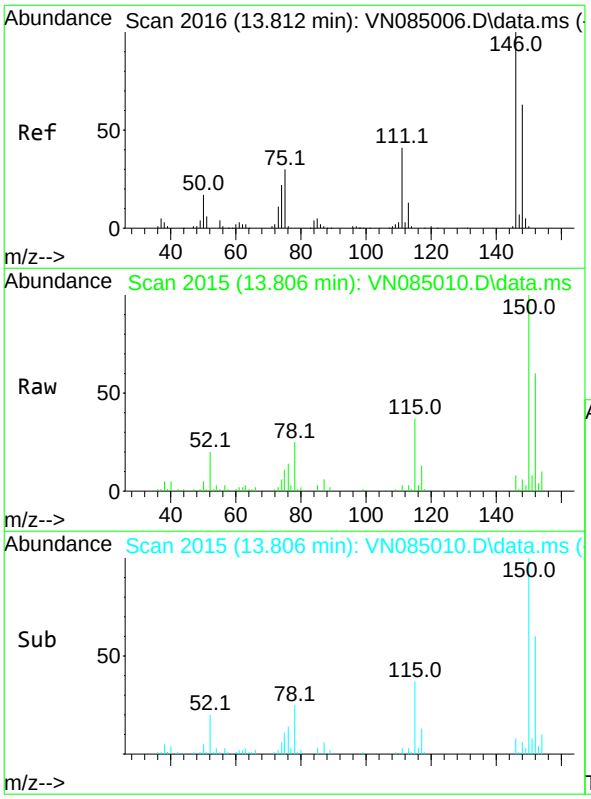
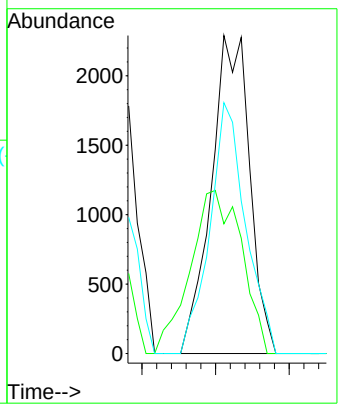
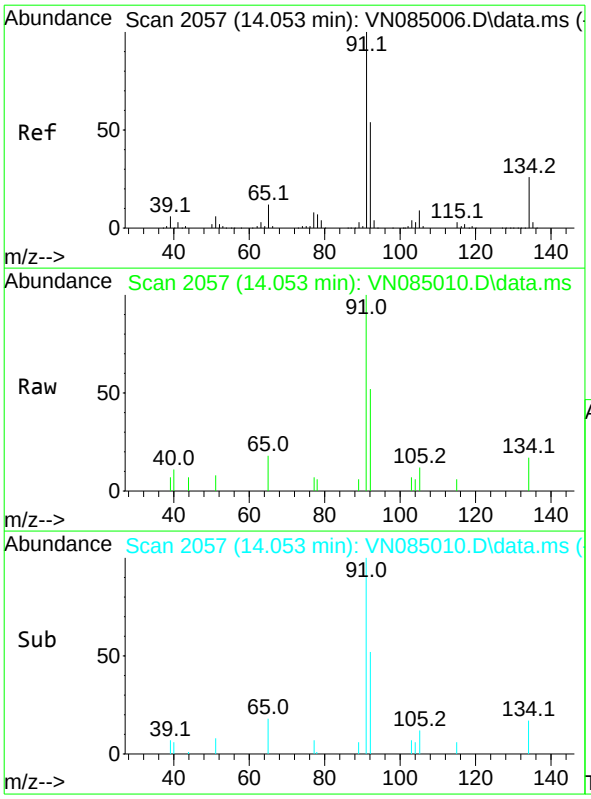


#88
1,4-Dichlorobenzene
Concen: 1.223 ug/l m
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:146 Resp: 4149

Ion	Ratio	Lower	Upper
146	100		
111	31.9	20.9	62.8
148	54.7	31.3	93.9

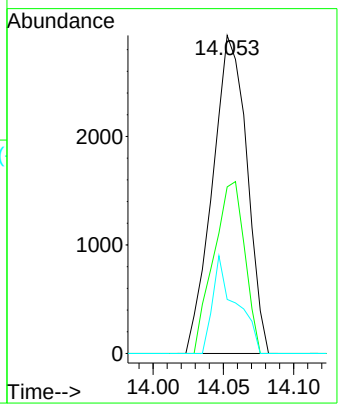




#89
n-Butylbenzene
Concen: 1.062 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 91 Resp: 4981

Ion	Ratio	Lower	Upper
91	100		
92	48.8	26.8	80.3
134	20.8	12.8	38.4



Instrument :
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ClientSampleId :
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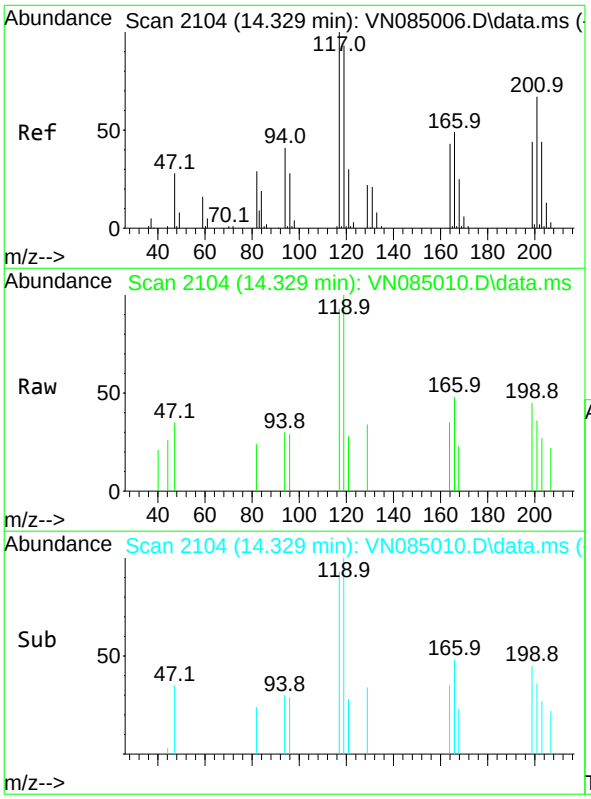
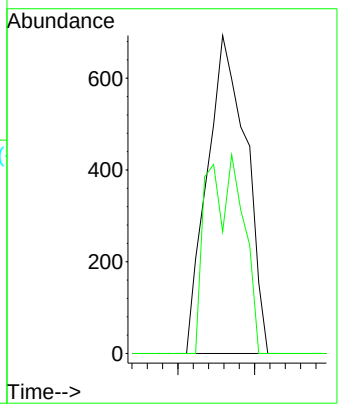
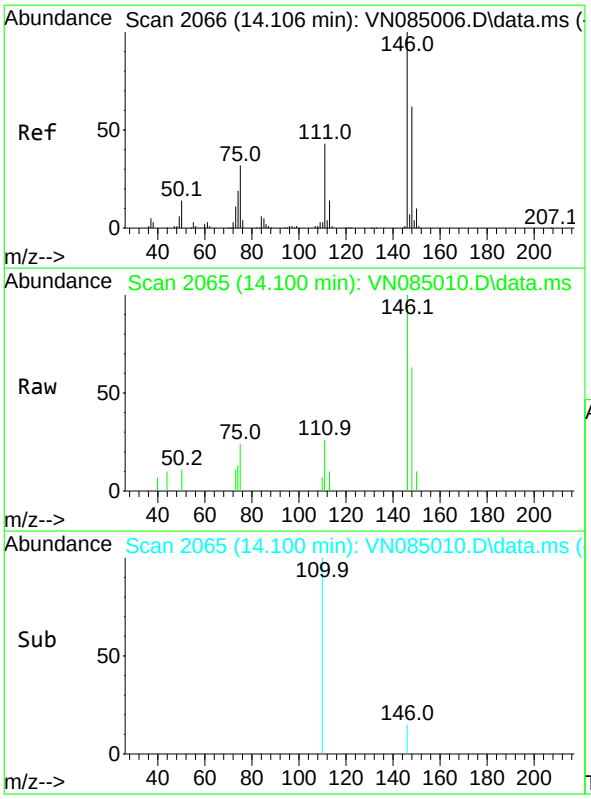


#90
Hexachloroethane
Concen: 1.107 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:117 Resp: 1217

Ion	Ratio	Lower	Upper
117	100		
201	30.8	35.2	105.6#

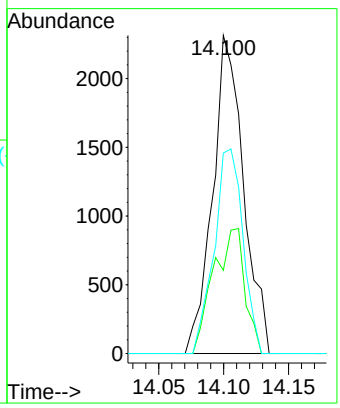




#91
1,2-Dichlorobenzene
Concen: 1.202 ug/l
RT: 14.100 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:146 Resp: 3830

Ion	Ratio	Lower	Upper
146	100		
111	40.0	21.9	65.8
148	60.1	31.1	93.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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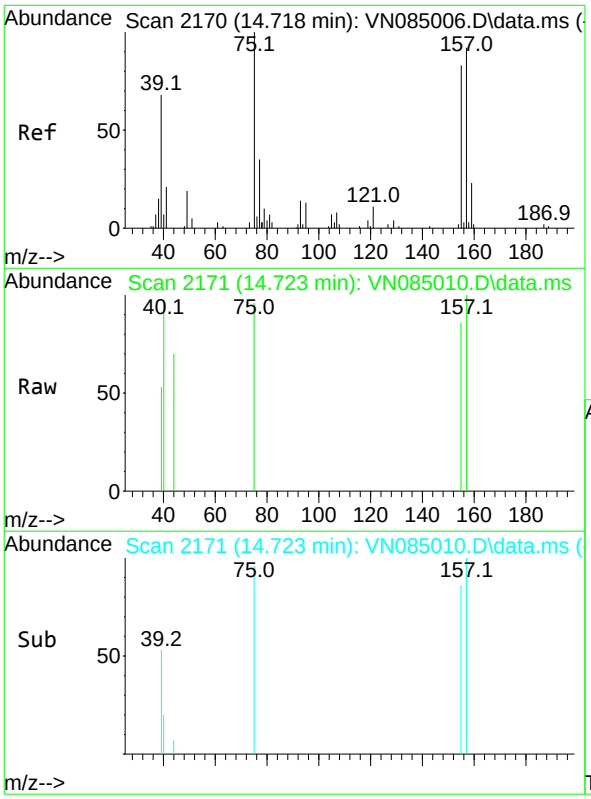
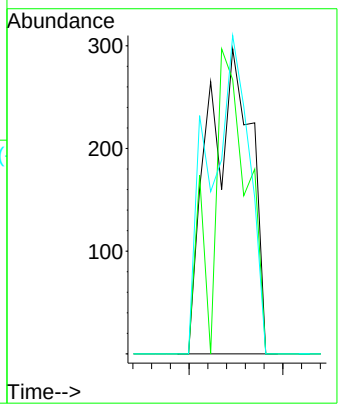
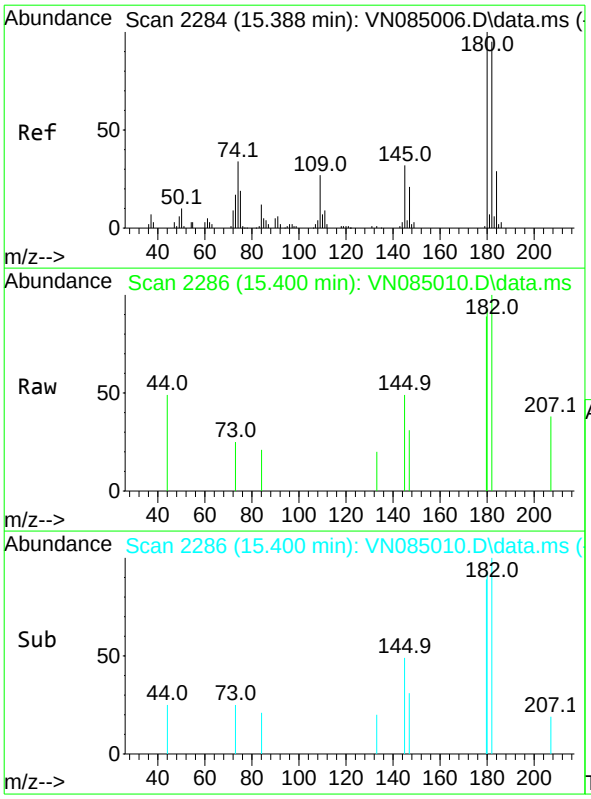


#92
1,2-Dibromo-3-Chloropropane
Concen: 1.136 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 75 Resp: 470

Ion	Ratio	Lower	Upper
75	100		
155	80.4	38.9	116.7
157	96.2	48.3	144.9

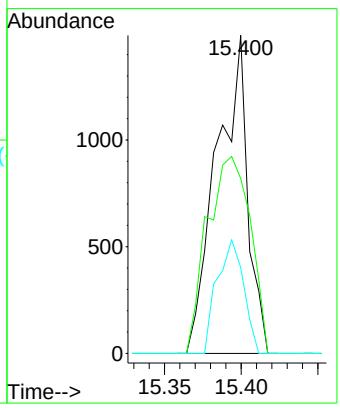




#93
1,2,4-Trichlorobenzene
Concen: 1.209 ug/l
RT: 15.400 min Scan# 22
Delta R.T. 0.012 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:180 Resp: 2092

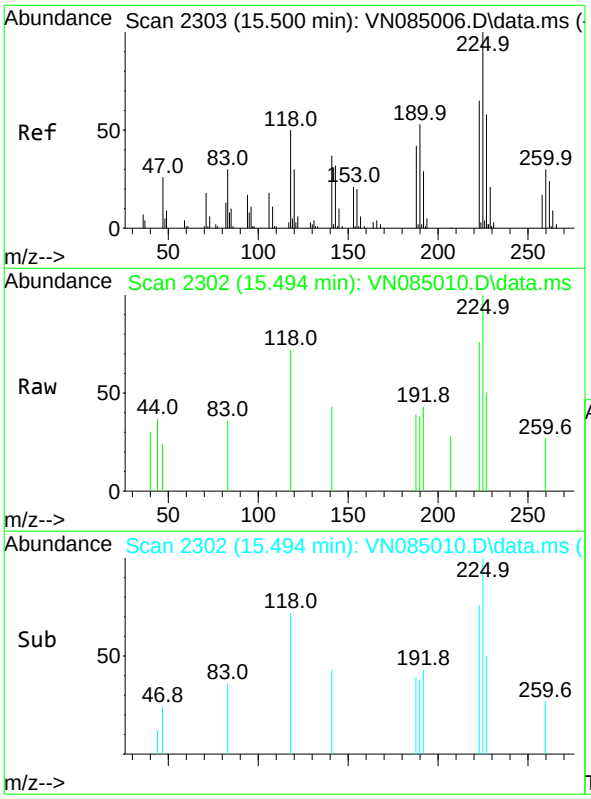
Ion	Ratio	Lower	Upper
180	100		
182	86.2	46.9	140.8
145	30.5	16.3	48.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

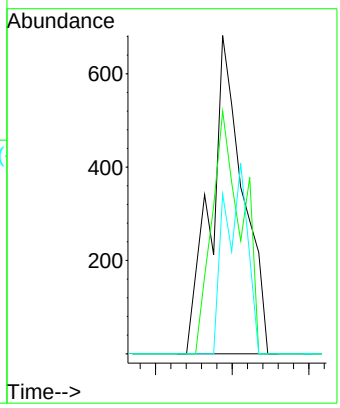
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

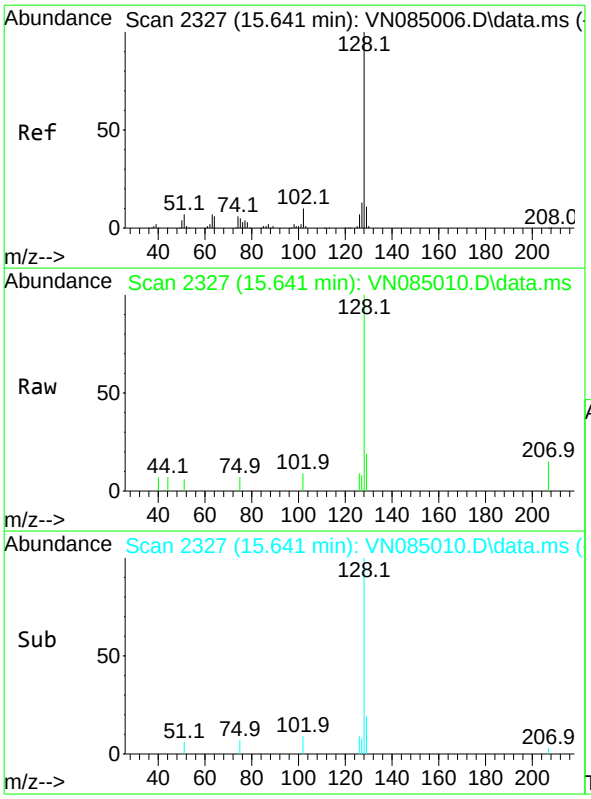


#94
Hexachlorobutadiene
Concen: 1.236 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:225 Resp: 987

Ion	Ratio	Lower	Upper
225	100		
223	71.1	30.9	92.8
227	42.1	31.5	94.5

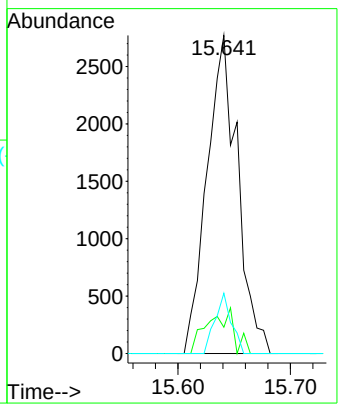




#95
Naphthalene
Concen: 1.063 ug/l
RT: 15.641 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:128 Resp: 5242

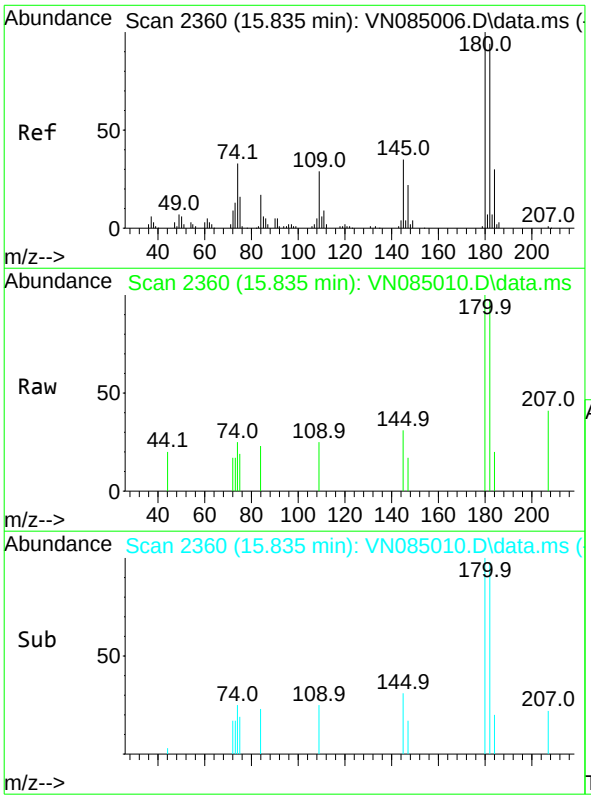
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.6	16.0
129	10.2	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

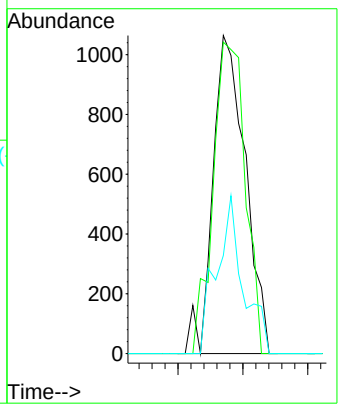
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#96
1,2,3-Trichlorobenzene
Concen: 1.120 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:180 Resp: 1849

Ion	Ratio	Lower	Upper
180	100		
182	97.3	46.4	139.2
145	40.6	17.3	52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Manual Integrations APPROVED
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.218	168	180278	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	293712	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	254182	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	128770	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.571	65	129855	50.568	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.140%				
35) Dibromofluoromethane	8.159	113	102148	51.572	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.140%				
50) Toluene-d8	10.559	98	379679	53.488	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.980%				
62) 4-Bromofluorobenzene	12.847	95	141423	53.276	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.560%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.118	85	95019	46.612	ug/l		99
3) Chloromethane	2.359	50	99689	42.164	ug/l		98
4) Vinyl Chloride	2.512	62	97145	45.721	ug/l		95
5) Bromomethane	2.900	94	53525	44.945	ug/l		91
6) Chloroethane	3.077	64	59473	41.527	ug/l		94
7) Trichlorofluoromethane	3.477	101	165959	45.916	ug/l		94
8) Diethyl Ether	3.953	74	58978	47.942	ug/l		98
9) 1,1,2-Trichlorotrifluo...	4.359	101	93701	45.709	ug/l		99
10) Methyl Iodide	4.577	142	127705	47.063	ug/l		97
11) Tert butyl alcohol	5.536	59	74416	216.857	ug/l		97
12) 1,1-Dichloroethene	4.330	96	89314	46.677	ug/l		97
13) Acrolein	4.171	56	58781	256.710	ug/l		99
14) Allyl chloride	5.012	41	152182	47.178	ug/l		99
15) Acrylonitrile	5.712	53	225423	232.029	ug/l		99
16) Acetone	4.424	43	188963	252.665	ug/l		99
17) Carbon Disulfide	4.700	76	244899	43.362	ug/l	#	94
18) Methyl Acetate	5.018	43	111346	46.500	ug/l		99
19) Methyl tert-butyl Ether	5.789	73	303857	48.602	ug/l		98
20) Methylene Chloride	5.271	84	98339	43.090	ug/l		96
21) trans-1,2-Dichloroethene	5.777	96	92234	45.805	ug/l	#	89
22) Diisopropyl ether	6.665	45	306957	47.281	ug/l		98
23) Vinyl Acetate	6.594	43	1108786	247.560	ug/l		100
24) 1,1-Dichloroethane	6.559	63	177343	45.647	ug/l		99
25) 2-Butanone	7.477	43	294434	240.802	ug/l		100
26) 2,2-Dichloropropane	7.488	77	168144	46.349	ug/l		98
27) cis-1,2-Dichloroethene	7.477	96	110716	45.609	ug/l		97
28) Bromochloromethane	7.812	49	67335	45.913	ug/l		97
29) Tetrahydrofuran	7.835	42	183433	241.241	ug/l		100
30) Chloroform	7.959	83	188550	45.623	ug/l		95
31) Cyclohexane	8.253	56	157639	46.084	ug/l		97
32) 1,1,1-Trichloroethane	8.159	97	170723	45.714	ug/l		99
36) 1,1-Dichloropropene	8.365	75	129026	48.093	ug/l		99
37) Ethyl Acetate	7.553	43	113781	46.651	ug/l		100
38) Carbon Tetrachloride	8.359	117	151265	48.846	ug/l		98
39) Methylcyclohexane	9.594	83	145286	52.114	ug/l		98
40) Benzene	8.600	78	404536	47.675	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	66590	49.311	ug/l		98
42) 1,2-Dichloroethane	8.665	62	136508	47.025	ug/l		100
43) Isopropyl Acetate	8.688	43	210623	41.574	ug/l		99
44) Trichloroethene	9.347	130	93086	47.205	ug/l		98
45) 1,2-Dichloropropane	9.618	63	98380	47.073	ug/l		95
46) Dibromomethane	9.706	93	69575	47.909	ug/l		99
47) Bromodichloromethane	9.882	83	146603	47.631	ug/l		97
48) Methyl methacrylate	9.676	41	95959	50.900	ug/l		97
49) 1,4-Dioxane	9.694	88	31078	950.585	ug/l	#	87
51) 4-Methyl-2-Pentanone	10.441	43	582480	251.720	ug/l		100
52) Toluene	10.629	92	249568	49.682	ug/l		99
53) t-1,3-Dichloropropene	10.829	75	150836	48.881	ug/l		97
54) cis-1,3-Dichloropropene	10.306	75	164009	50.100	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	92219	49.287	ug/l		99
56) Ethyl methacrylate	10.871	69	149537	54.694	ug/l		98
57) 1,3-Dichloropropane	11.159	76	158000	47.980	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	315602	235.323	ug/l		99
59) 2-Hexanone	11.194	43	444749	256.983	ug/l		100
60) Dibromochloromethane	11.359	129	108961	47.650	ug/l		99
61) 1,2-Dibromoethane	11.465	107	94657	48.883	ug/l		96
64) Tetrachloroethene	11.100	164	82753	48.316	ug/l		97
65) Chlorobenzene	11.888	112	264798	45.936	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	95374	46.991	ug/l		98
67) Ethyl Benzene	11.959	91	477400	51.046	ug/l		96
68) m/p-Xylenes	12.065	106	363006	101.951	ug/l		99
69) o-Xylene	12.394	106	173028	51.086	ug/l		98
70) Styrene	12.406	104	296759	52.687	ug/l		99
71) Bromoform	12.576	173	73244	48.617	ug/l	#	98
73) Isopropylbenzene	12.694	105	445261	49.014	ug/l		100
74) N-amyl acetate	12.494	43	184990	49.418	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	132755	42.796	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	105927m	45.225	ug/l		
77) Bromobenzene	12.976	156	108566	44.410	ug/l		99
78) n-propylbenzene	13.035	91	525567	50.160	ug/l		98
79) 2-Chlorotoluene	13.123	91	324611	46.409	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	382819	50.220	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	49617	46.764	ug/l		98
82) 4-Chlorotoluene	13.217	91	331271	45.496	ug/l		99
83) tert-Butylbenzene	13.435	119	320979	48.939	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	392031	49.962	ug/l		99
85) sec-Butylbenzene	13.612	105	444471	50.166	ug/l		99
86) p-Isopropyltoluene	13.729	119	378270	51.719	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	204731	42.459	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	202930	41.240	ug/l		97
89) n-Butylbenzene	14.053	91	325752	47.892	ug/l		100
90) Hexachloroethane	14.335	117	72271	45.332	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	200864	43.472	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26503	44.183	ug/l		99
93) 1,2,4-Trichlorobenzene	15.394	180	107707	42.908	ug/l		99
94) Hexachlorobutadiene	15.500	225	49330	42.581	ug/l		99
95) Naphthalene	15.641	128	329352	46.067	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	102829	42.932	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Manual Integrations APPROVED

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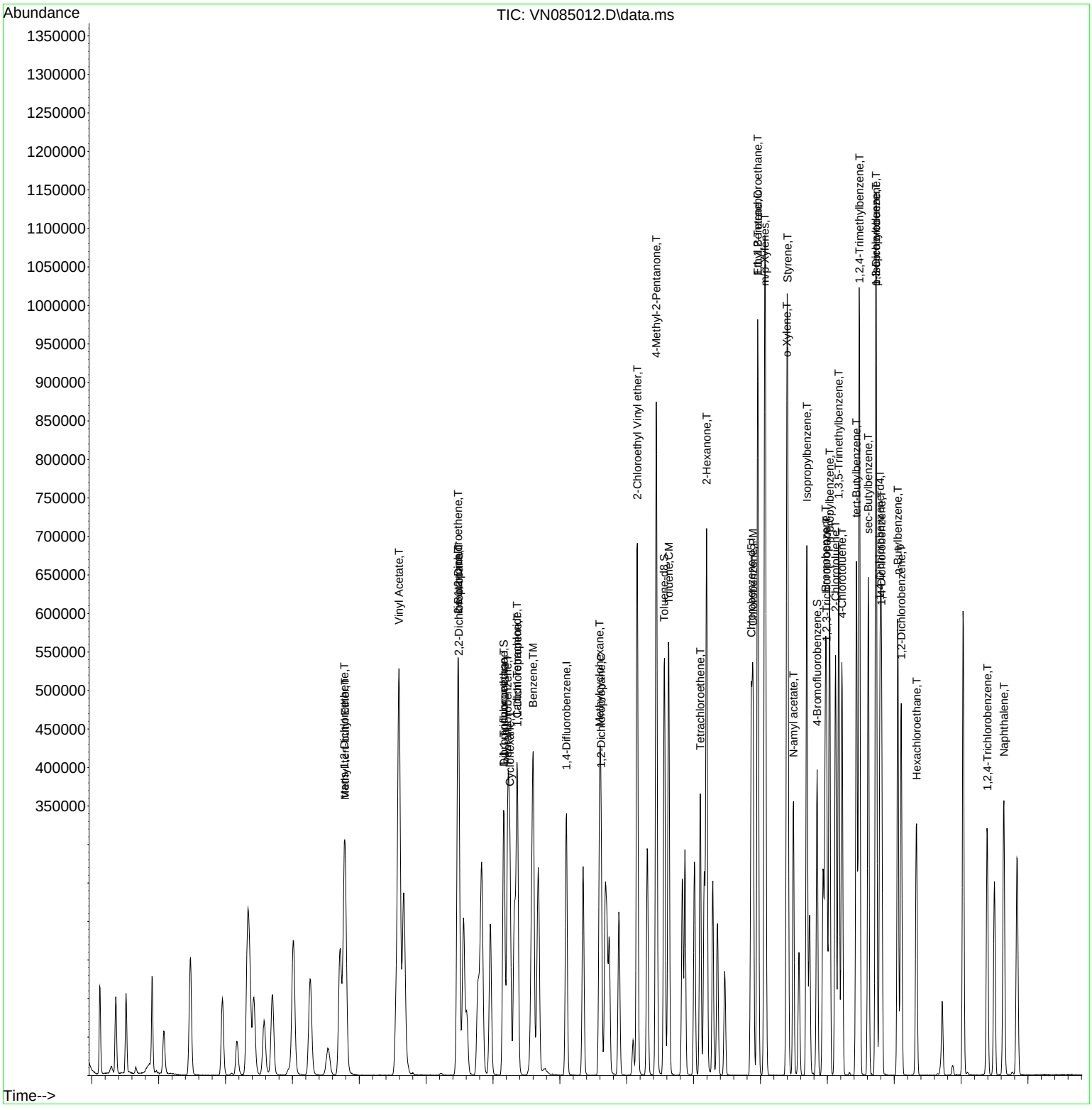
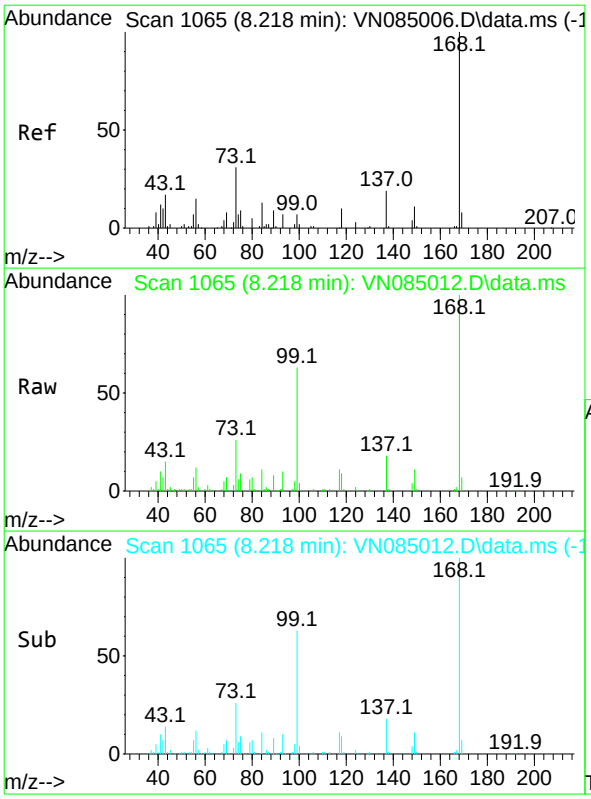
Supervised By :Mahesh Dadoda 11/25/2024

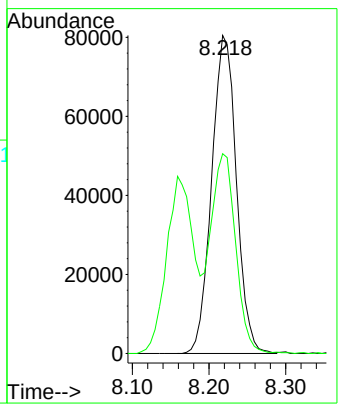




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:168 Resp: 180278

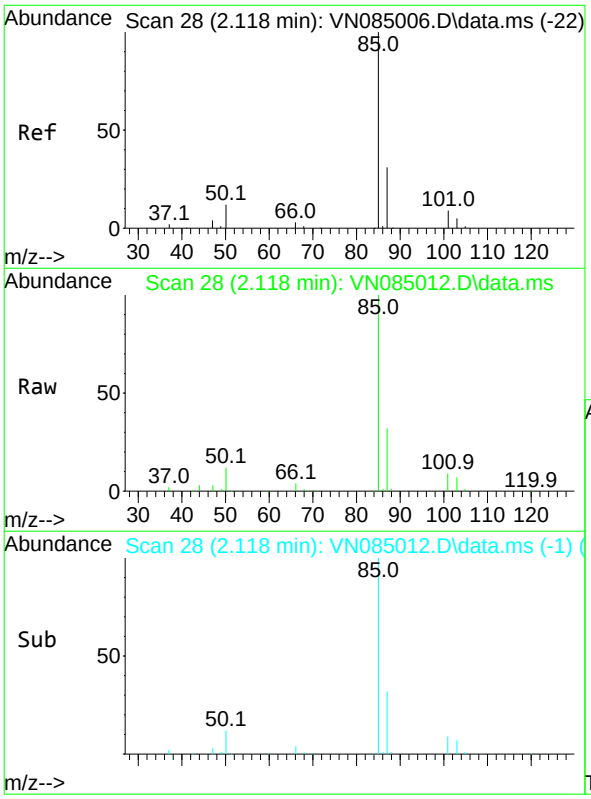
Ion	Ratio	Lower	Upper
168	100		
99	62.4	51.2	76.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Manual Integrations APPROVED

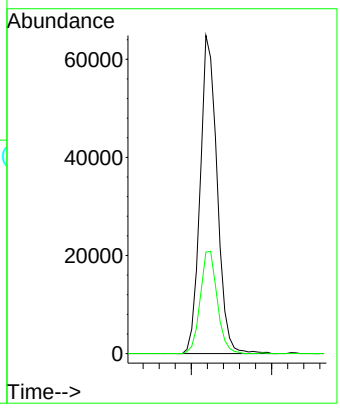
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

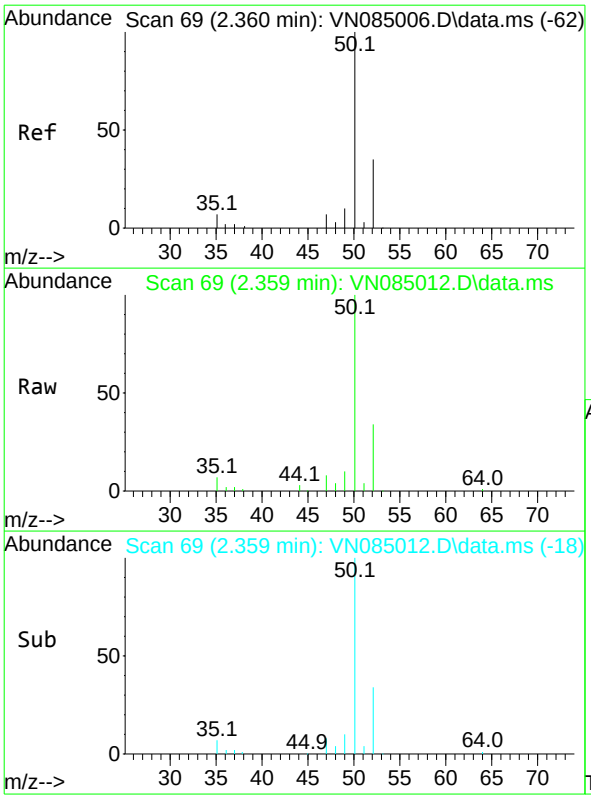


#2
Dichlorodifluoromethane
Concen: 46.612 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 85 Resp: 95019

Ion	Ratio	Lower	Upper
85	100		
87	31.9	15.7	47.1

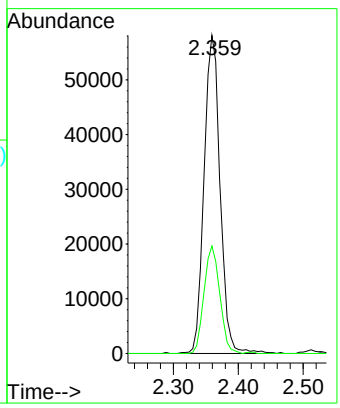




#3
Chloromethane
Concen: 42.164 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 50 Resp: 99689

Ion	Ratio	Lower	Upper
50	100		
52	33.8	27.8	41.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
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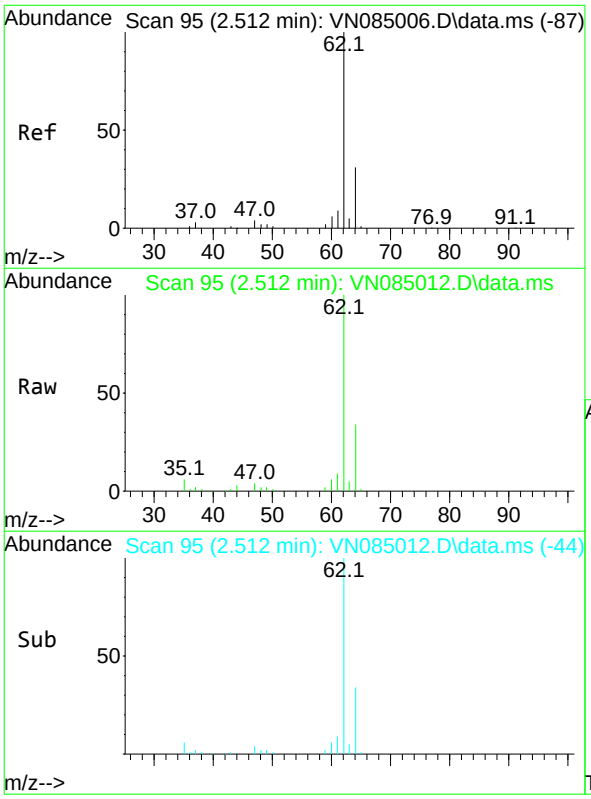
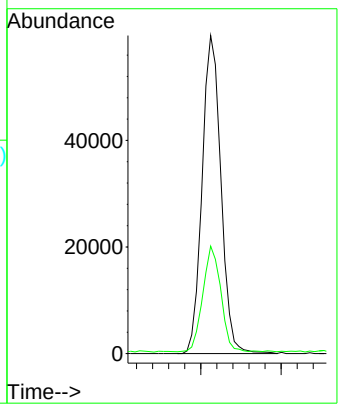
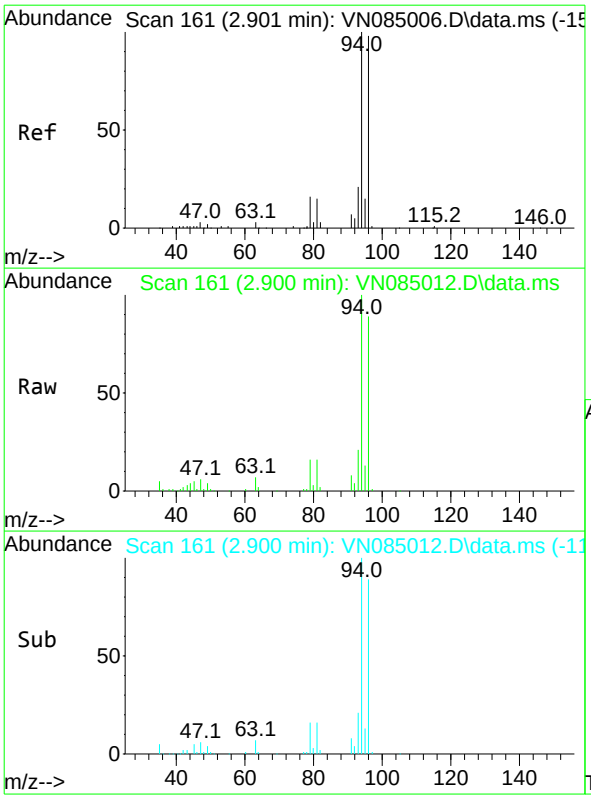


#4
Vinyl Chloride
Concen: 45.721 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 62 Resp: 97145

Ion	Ratio	Lower	Upper
62	100		
64	33.2	24.6	36.8

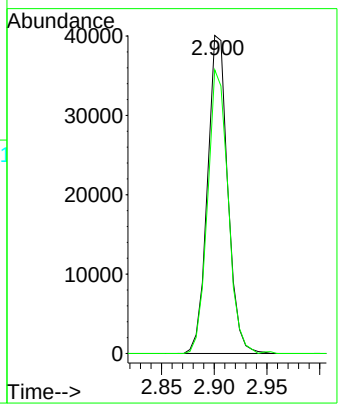




#5
Bromomethane
Concen: 44.945 ug/l
RT: 2.900 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 94 Resp: 53525

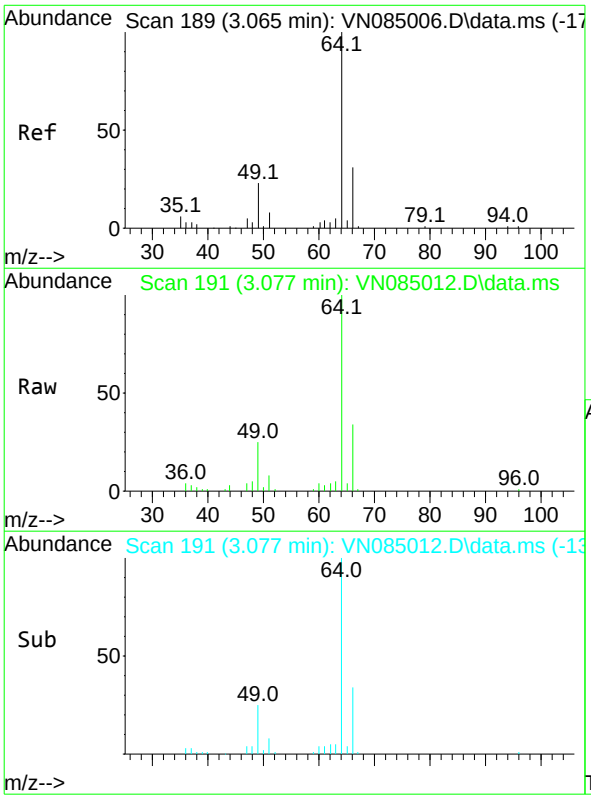
Ion	Ratio	Lower	Upper
94	100		
96	89.2	78.7	118.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Manual Integrations APPROVED

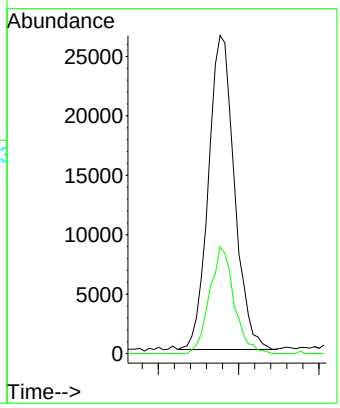
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

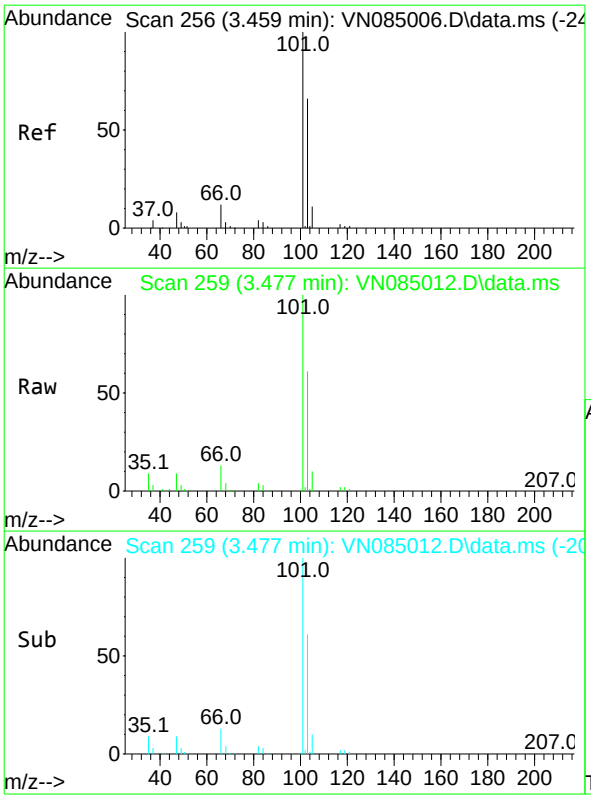


#6
Chloroethane
Concen: 41.527 ug/l
RT: 3.077 min Scan# 191
Delta R.T. 0.012 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 64 Resp: 59473

Ion	Ratio	Lower	Upper
64	100		
66	34.0	24.4	36.6

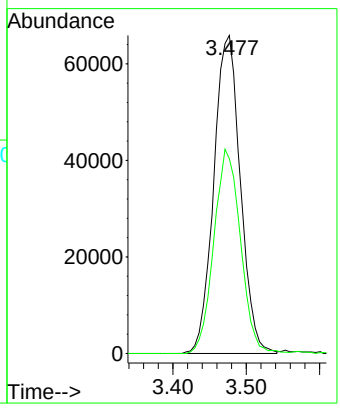




#7
Trichlorofluoromethane
Concen: 45.916 ug/l
RT: 3.477 min Scan# 25
Delta R.T. 0.017 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:101 Resp: 165959

Ion	Ratio	Lower	Upper
101	100		
103	61.3	52.6	78.8



Instrument :
MSVOA_N
ClientSampleId :
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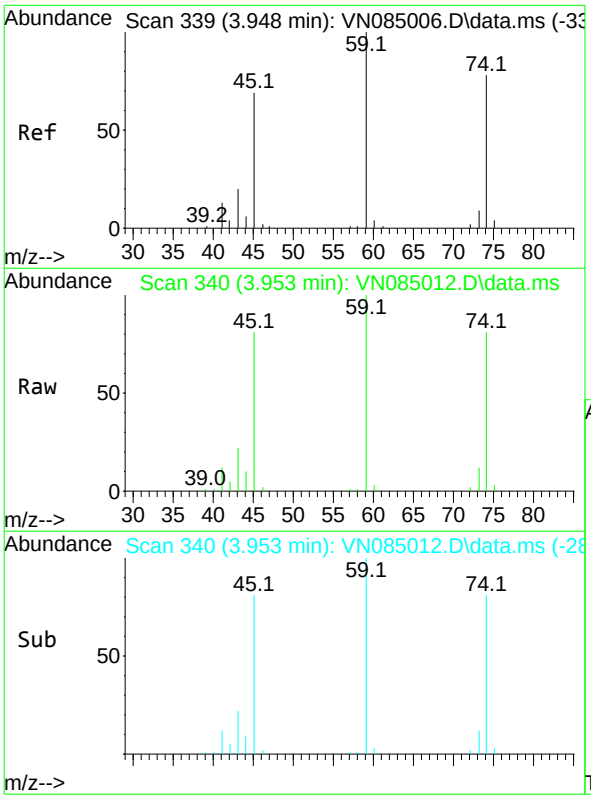
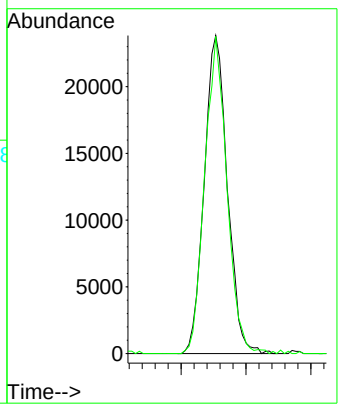
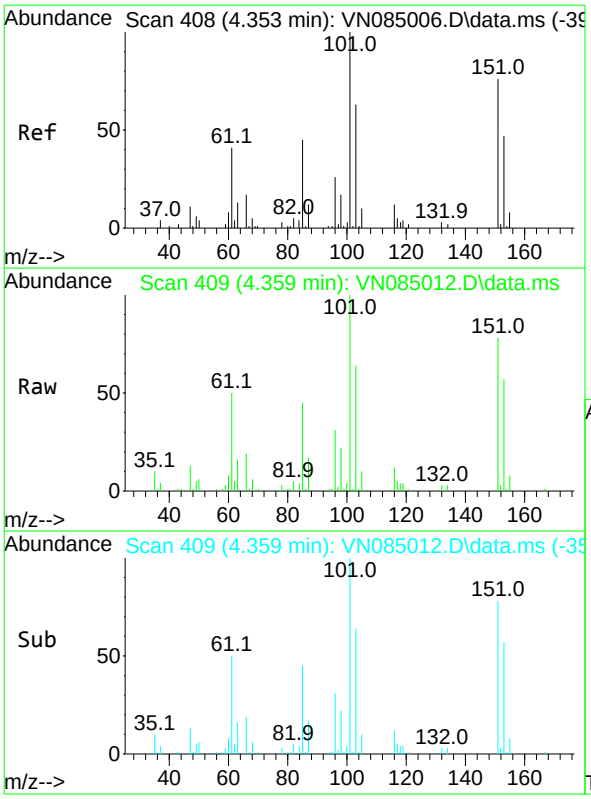


#8
Diethyl Ether
Concen: 47.942 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 74 Resp: 58978

Ion	Ratio	Lower	Upper
74	100		
45	95.6	46.7	140.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.709 ug/l
RT: 4.359 min Scan# 40
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:101 Resp: 93701

Ion	Ratio	Lower	Upper
101	100		
85	45.7	36.9	55.3
151	75.2	60.8	91.2

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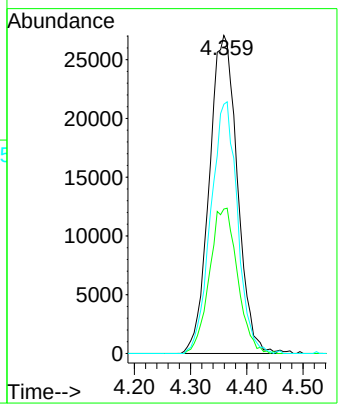
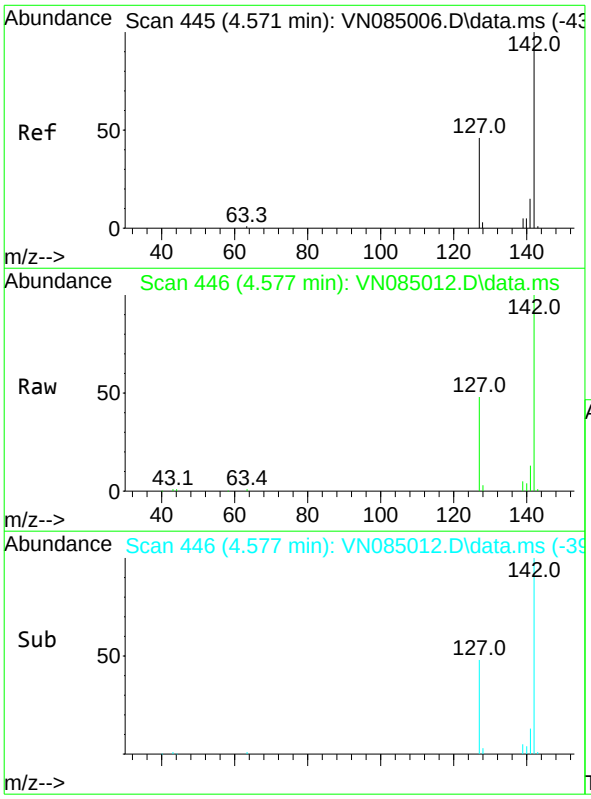
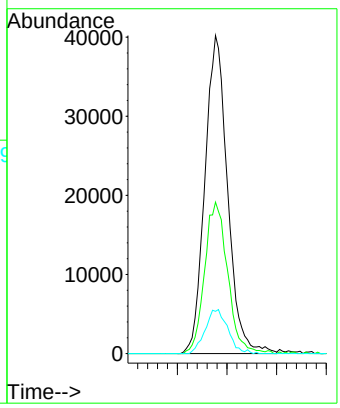


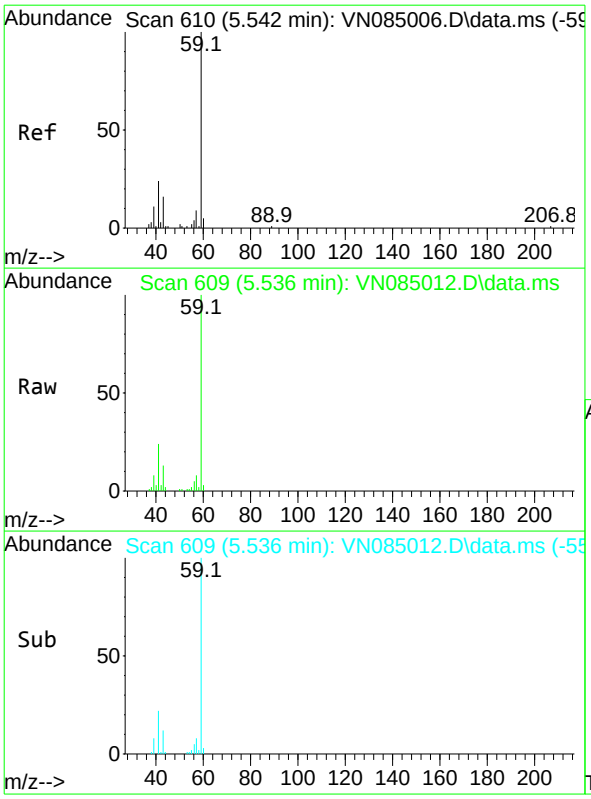


#10
Methyl Iodide
Concen: 47.063 ug/l
RT: 4.577 min Scan# 446
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:142 Resp: 127705

Ion	Ratio	Lower	Upper
142	100		
127	47.6	36.6	54.8
141	13.3	12.2	18.4

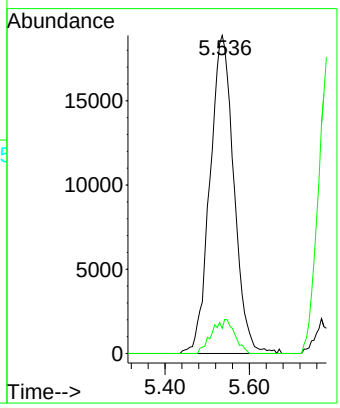




#11
Tert butyl alcohol
Concen: 216.857 ug/l
RT: 5.536 min Scan# 60
Delta R.T. -0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 59 Resp: 74416

Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.4	11.0



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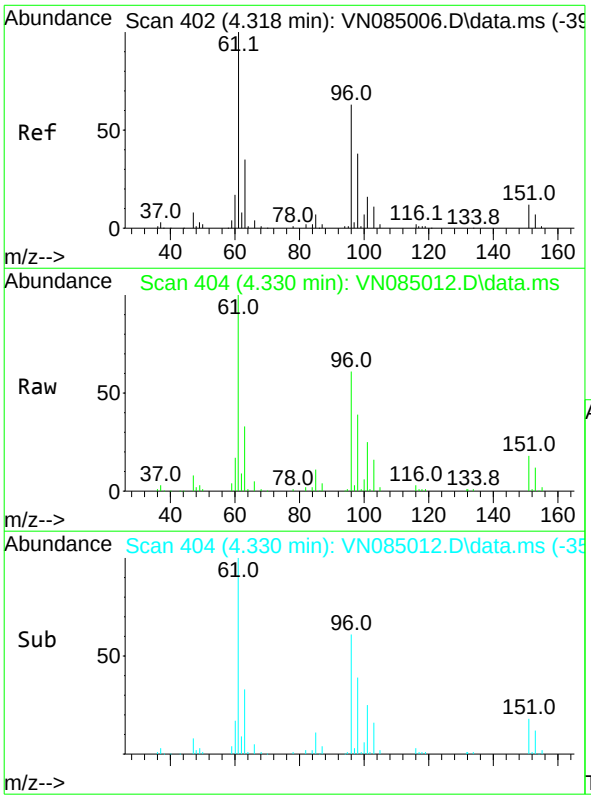
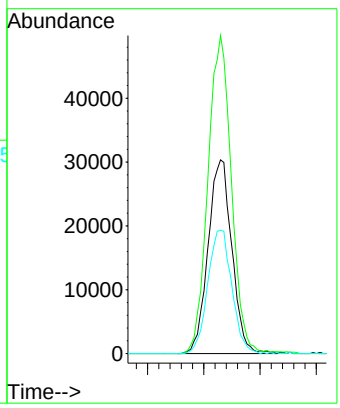
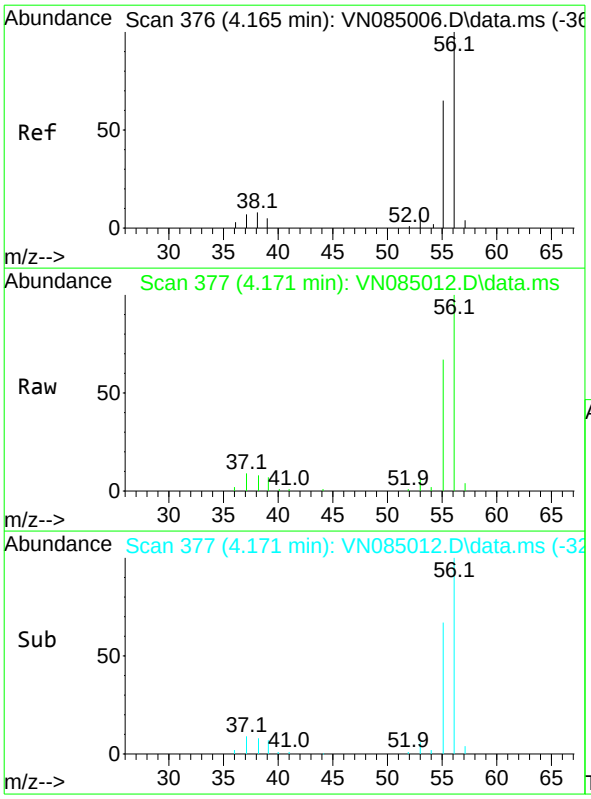


#12
1,1-Dichloroethene
Concen: 46.677 ug/l
RT: 4.330 min Scan# 404
Delta R.T. 0.012 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 96 Resp: 89314

Ion	Ratio	Lower	Upper
96	100		
61	164.2	127.8	191.8
98	63.7	49.2	73.8

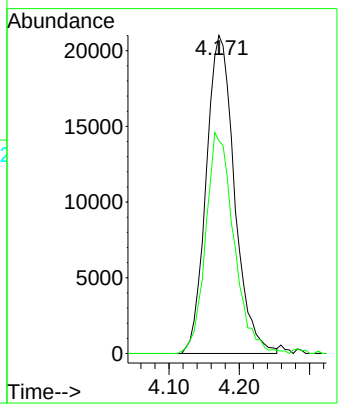




#13
Acrolein
Concen: 256.710 ug/l
RT: 4.171 min Scan# 37
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 56 Resp: 58781

Ion	Ratio	Lower	Upper
56	100		
55	69.2	54.5	81.7



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MSVOA_N
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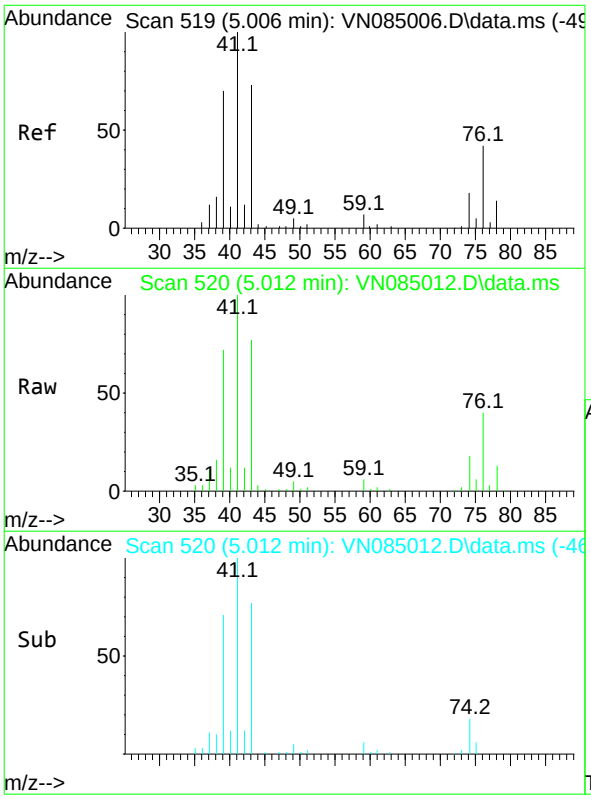
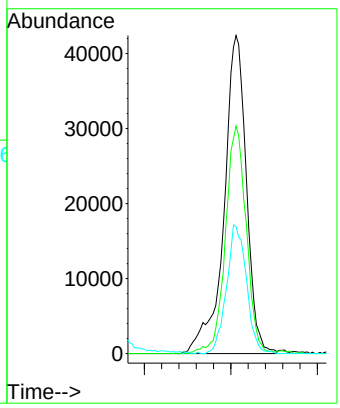
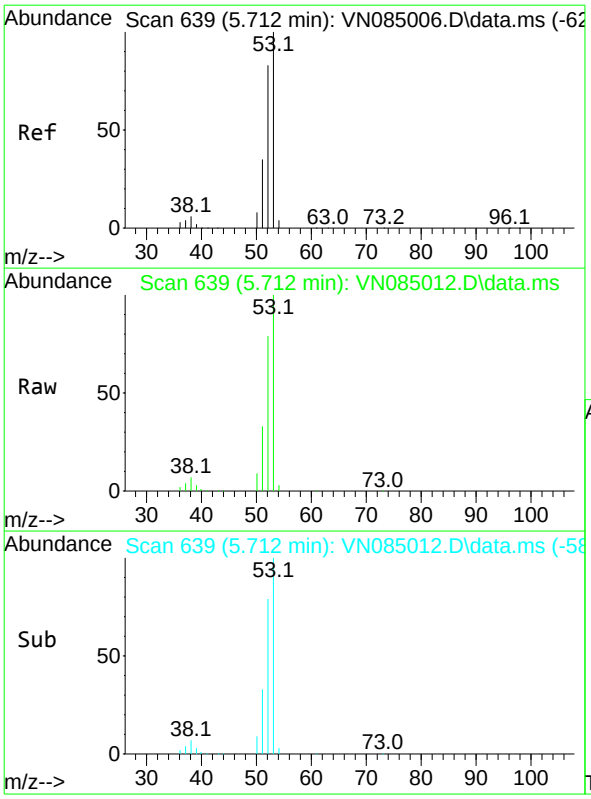


#14
Allyl chloride
Concen: 47.178 ug/l
RT: 5.012 min Scan# 520
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 41 Resp: 152182

Ion	Ratio	Lower	Upper
41	100		
39	66.6	53.8	80.8
76	35.9	29.3	43.9

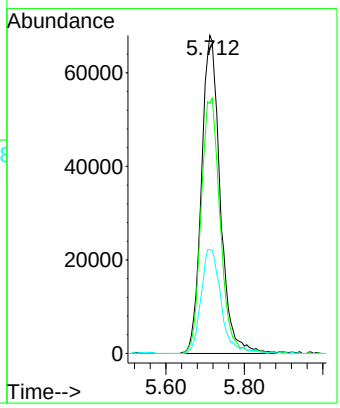




#15
Acrylonitrile
Concen: 232.029 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 53 Resp: 225423

Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.5	98.3
51	34.6	28.4	42.6



Instrument :
MSVOA_N
ClientSampleId :
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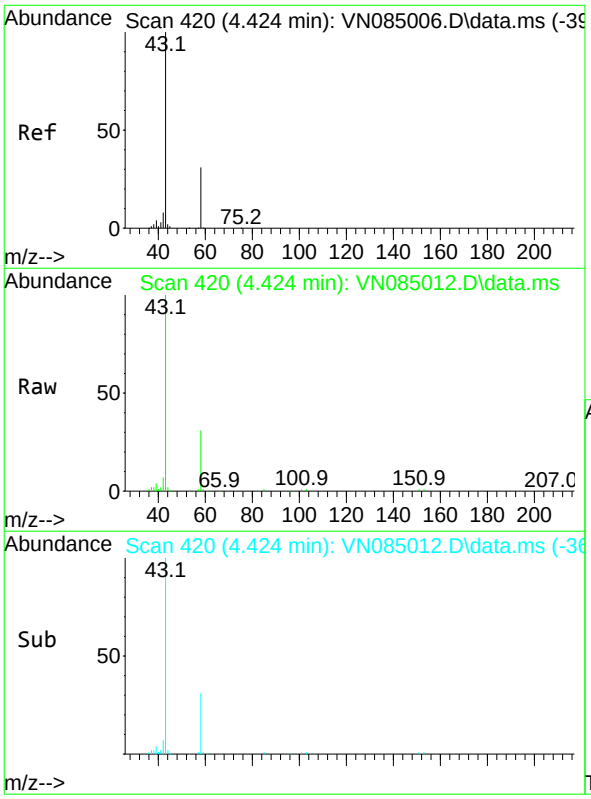
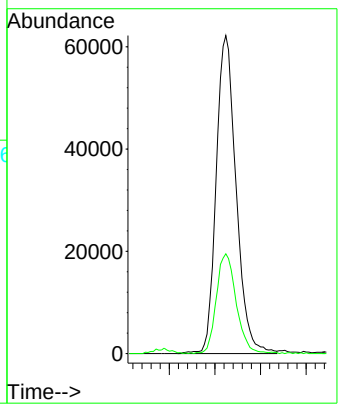
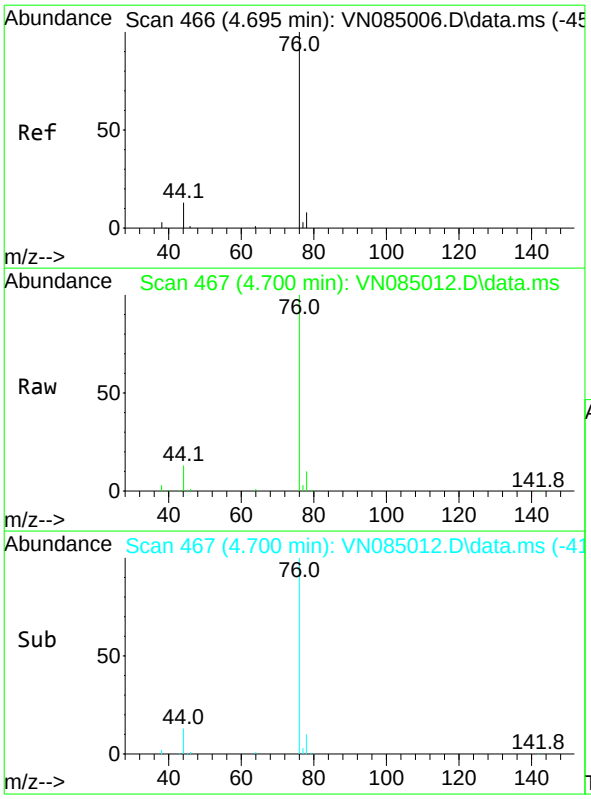


#16
Acetone
Concen: 252.665 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 43 Resp: 188963

Ion	Ratio	Lower	Upper
43	100		
58	31.1	25.4	38.2

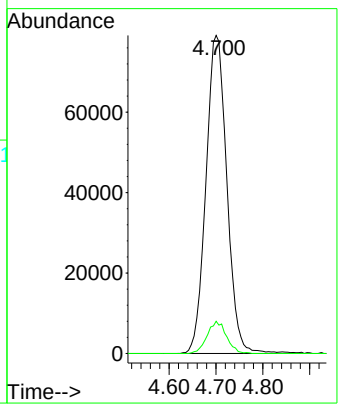




#17
Carbon Disulfide
Concen: 43.362 ug/l
RT: 4.700 min Scan# 46
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 76 Resp: 244899

Ion	Ratio	Lower	Upper
76	100		
78	10.1	6.5	9.7#



Instrument :
MSVOA_N
ClientSampleId :
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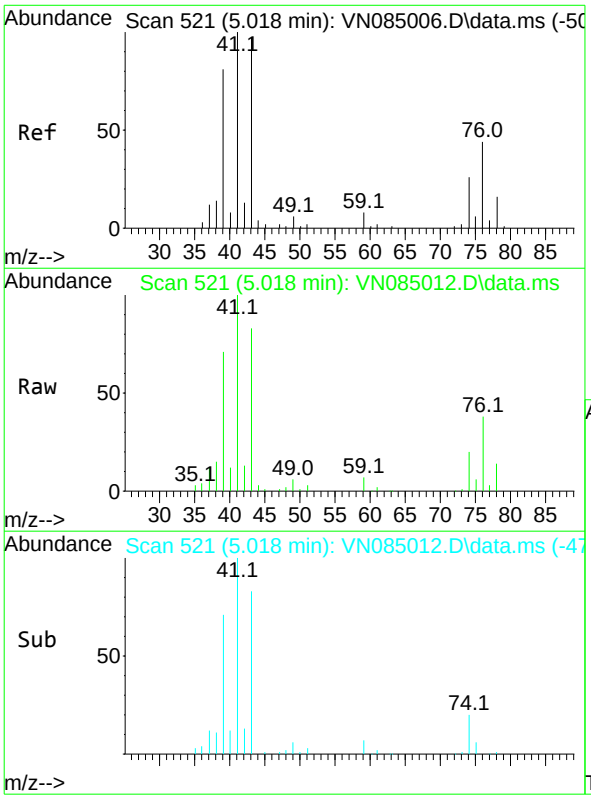
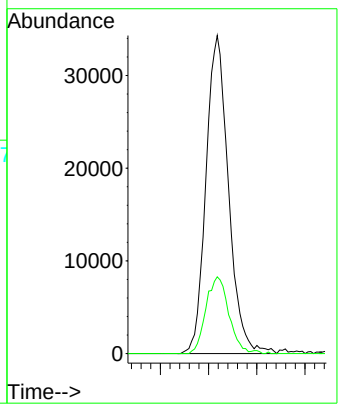
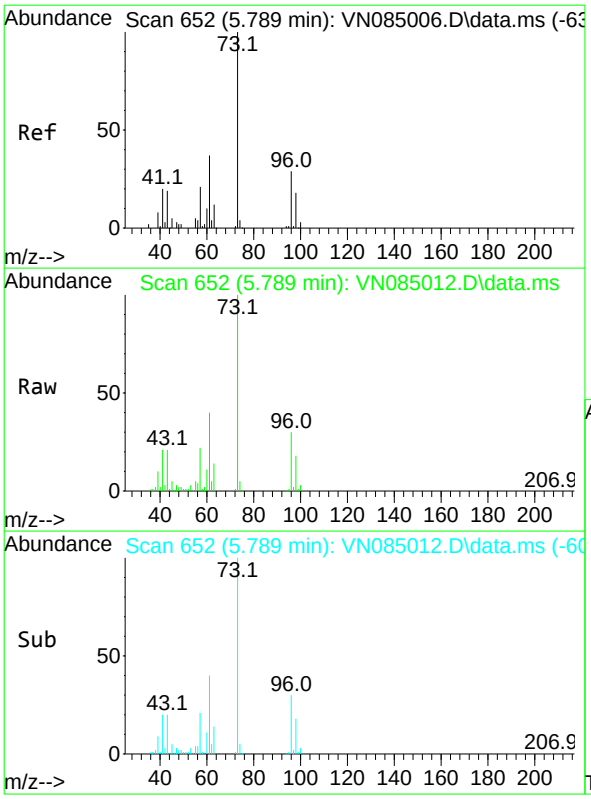


#18
Methyl Acetate
Concen: 46.500 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 43 Resp: 111346

Ion	Ratio	Lower	Upper
43	100		
74	24.4	20.1	30.1

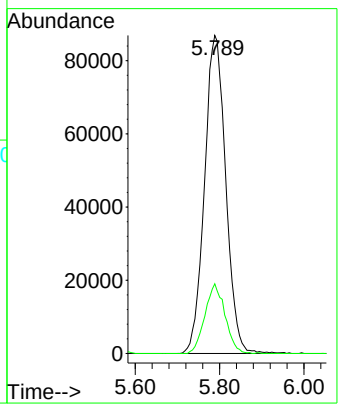




#19
Methyl tert-butyl Ether
Concen: 48.602 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 73 Resp: 303857

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.0	25.4



Instrument :
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ClientSampleId :
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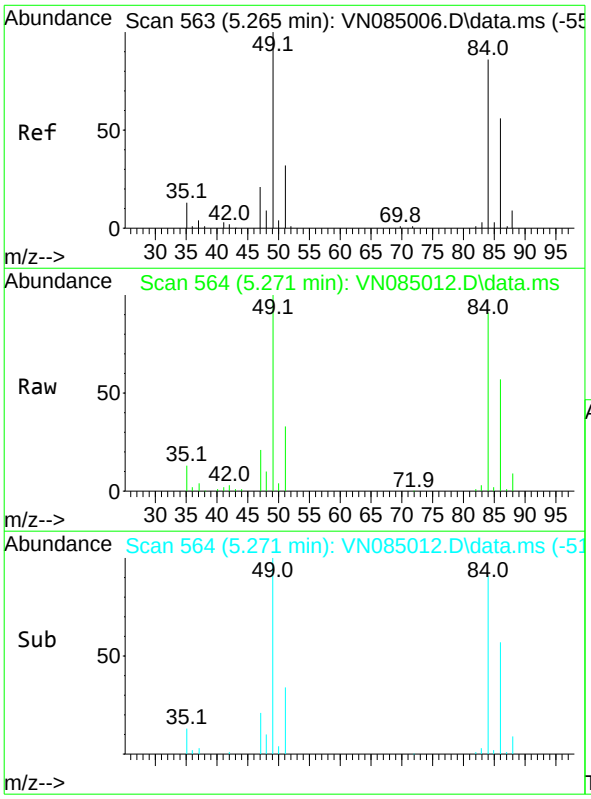
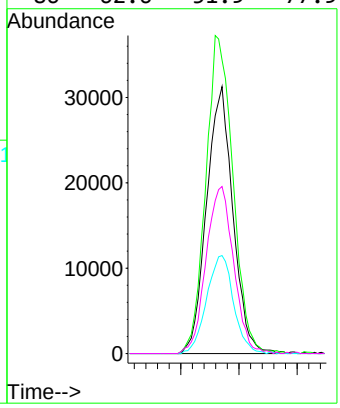
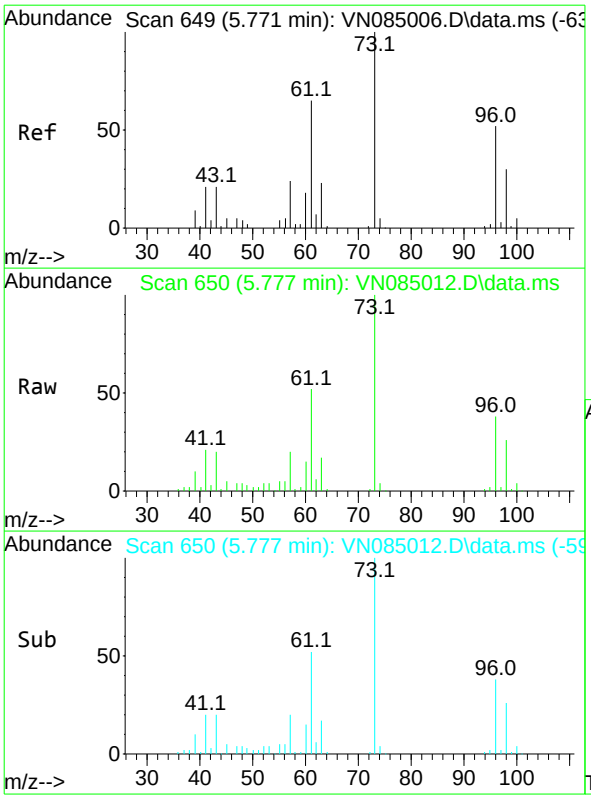


#20
Methylene Chloride
Concen: 43.090 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 84 Resp: 98339

Ion	Ratio	Lower	Upper
84	100		
49	110.0	92.7	139.1
51	36.7	29.4	44.2
86	62.6	51.9	77.9

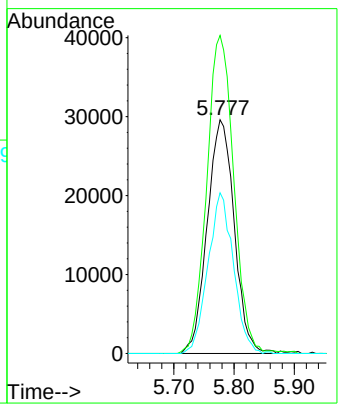




#21
trans-1,2-Dichloroethene
Concen: 45.805 ug/l
RT: 5.777 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 96 Resp: 92234

Ion	Ratio	Lower	Upper
96	100		
61	136.1	100.7	151.1
98	68.7	45.8	68.6#



Instrument :
MSVOA_N
ClientSampleId :
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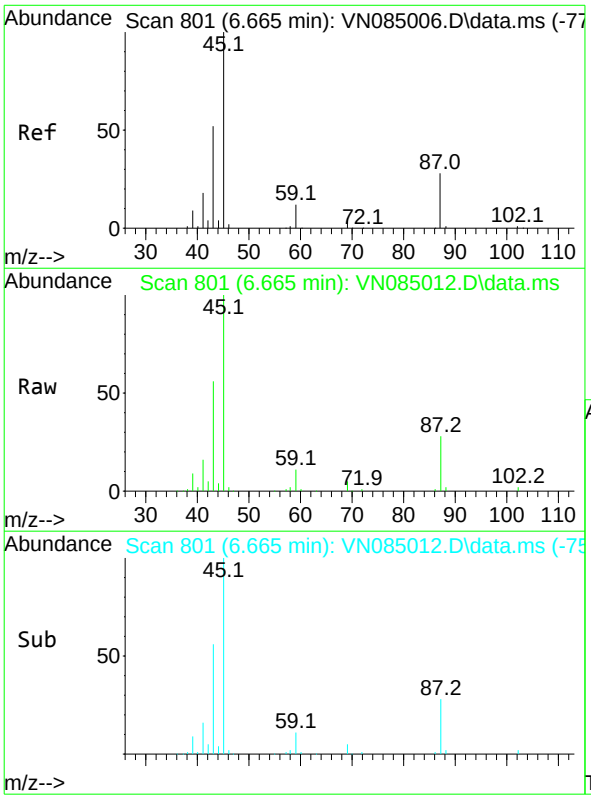
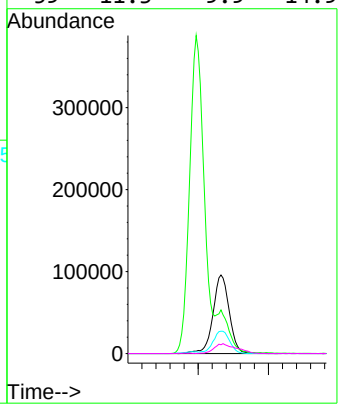
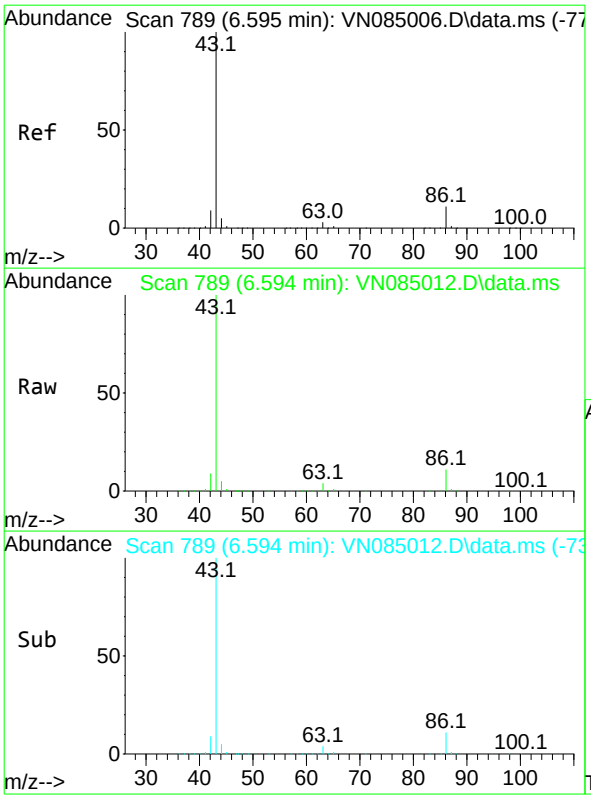


#22
Diisopropyl ether
Concen: 47.281 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 45 Resp: 306957

Ion	Ratio	Lower	Upper
45	100		
43	55.0	42.7	64.1
87	28.5	22.6	34.0
59	11.3	9.9	14.9

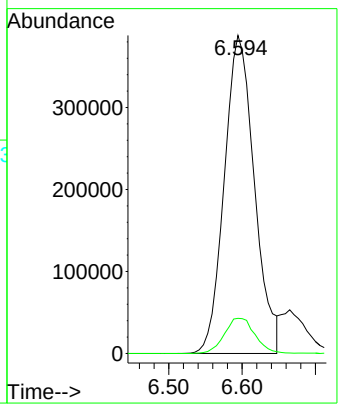




#23
Vinyl Acetate
Concen: 247.560 ug/l
RT: 6.594 min Scan# 78
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 43 Resp: 1108786

Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.9	13.3



Instrument :
MSVOA_N
ClientSampleId :
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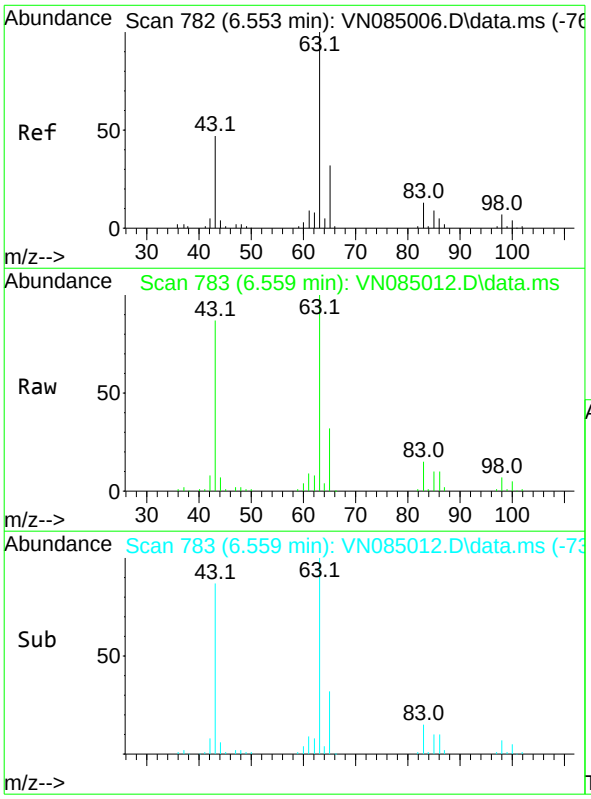
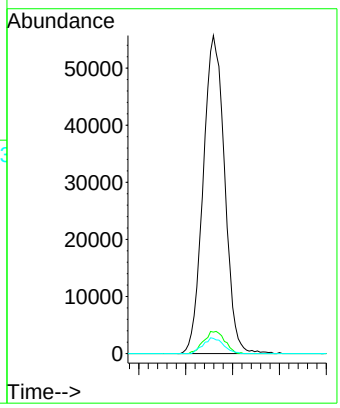
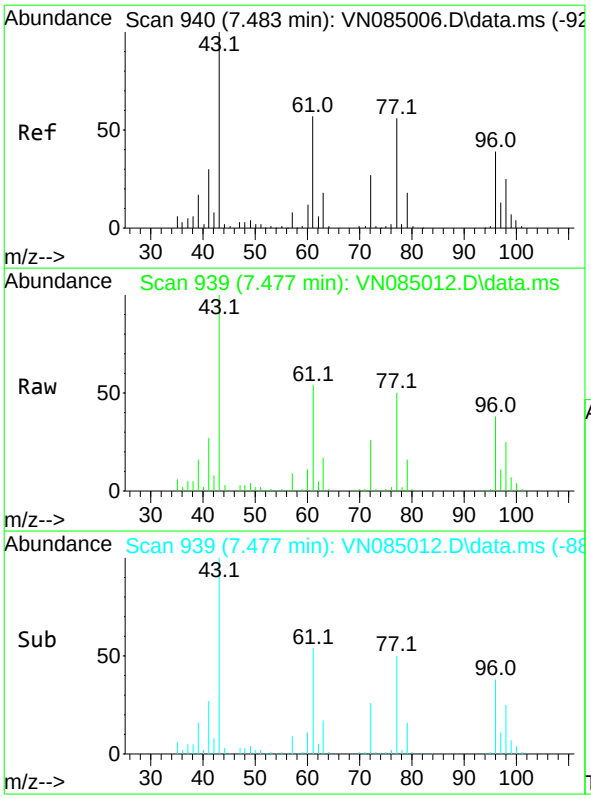


#24
1,1-Dichloroethane
Concen: 45.647 ug/l
RT: 6.559 min Scan# 783
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 63 Resp: 177343

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.3	9.8
100	4.8	2.2	6.6

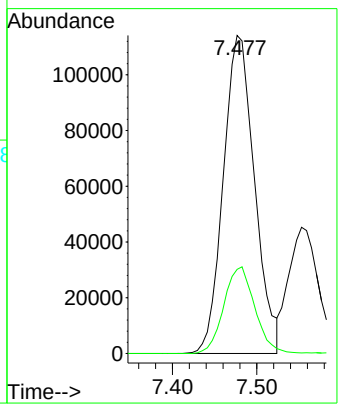




#25
2-Butanone
Concen: 240.802 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 43 Resp: 294434

Ion	Ratio	Lower	Upper
43	100		
72	26.5	21.4	32.0



Instrument :
MSVOA_N
ClientSampleId :
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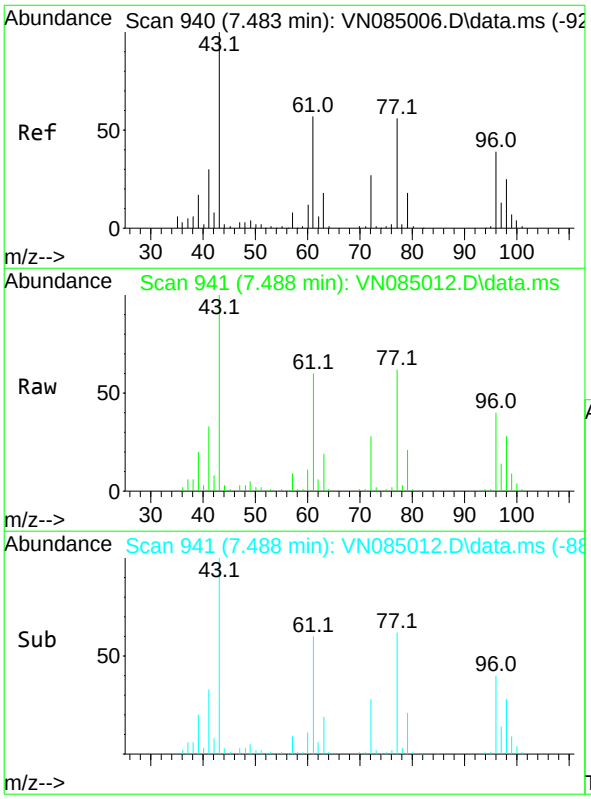
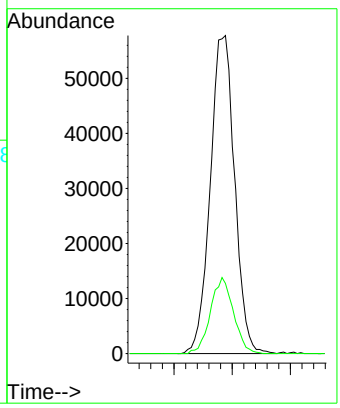
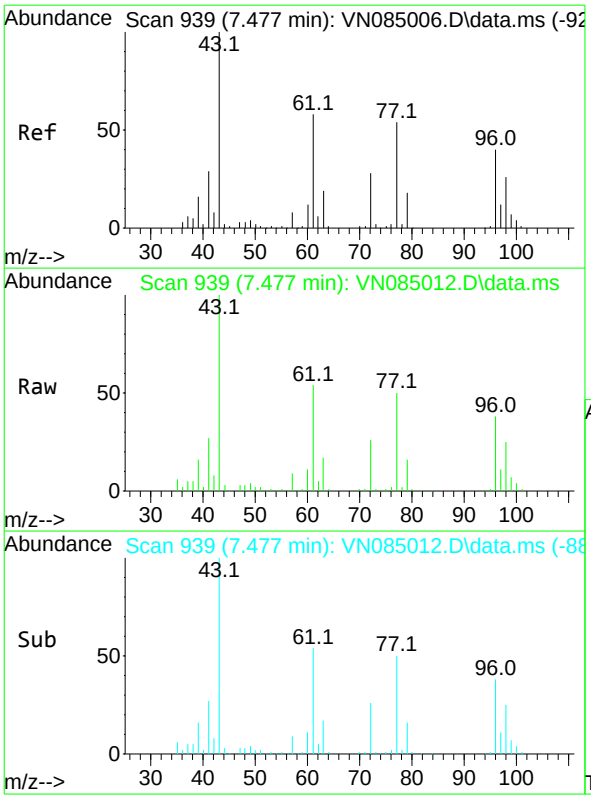


#26
2,2-Dichloropropane
Concen: 46.349 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 77 Resp: 168144

Ion	Ratio	Lower	Upper
77	100		
97	22.5	10.9	32.7

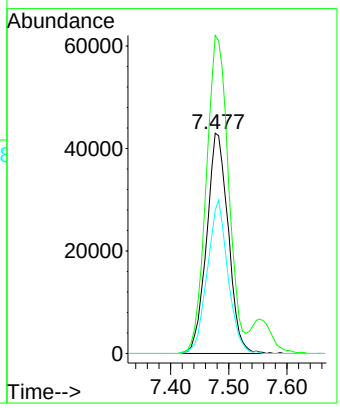




#27
cis-1,2-Dichloroethene
Concen: 45.609 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 96 Resp: 110716

Ion	Ratio	Lower	Upper
96	100		
61	149.3	0.0	291.6
98	66.6	0.0	129.8



Instrument :
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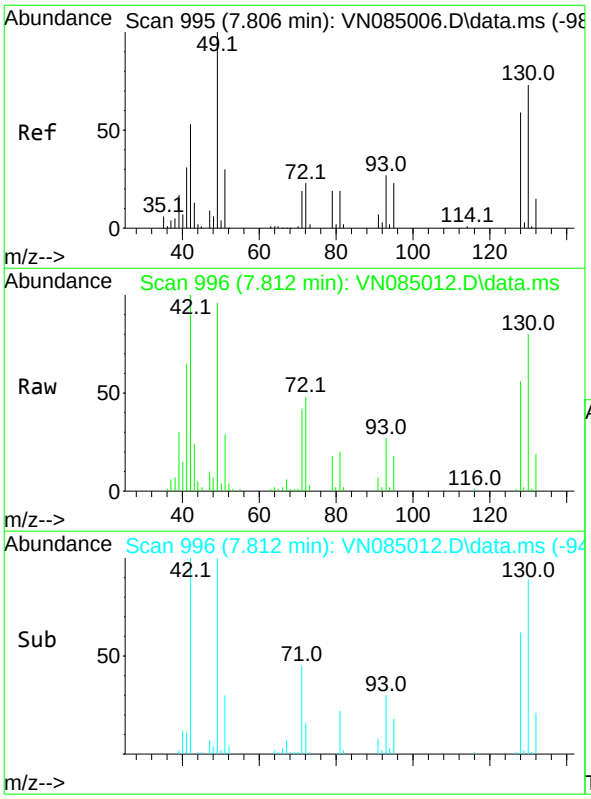
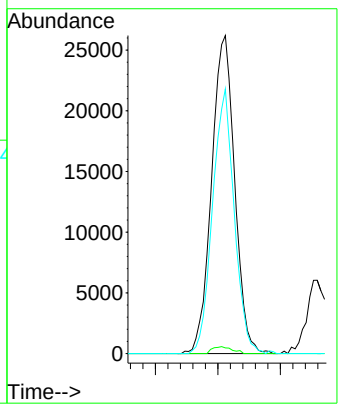
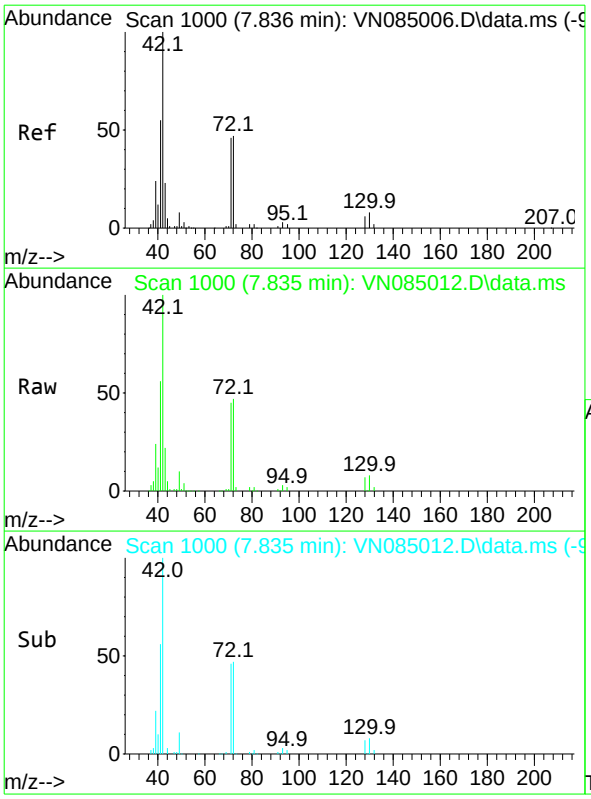


#28
Bromochloromethane
Concen: 45.913 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 49 Resp: 67335

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	78.0	60.6	90.8

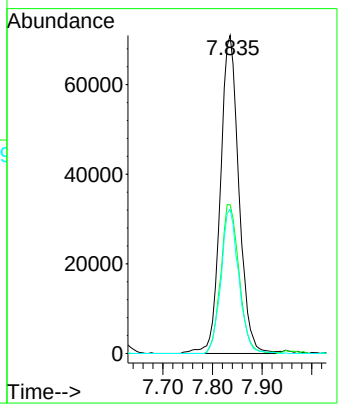




#29
Tetrahydrofuran
Concen: 241.241 ug/l
RT: 7.835 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 42 Resp: 183433

Ion	Ratio	Lower	Upper
42	100		
72	46.4	37.0	55.4
71	43.6	35.0	52.4



Instrument :
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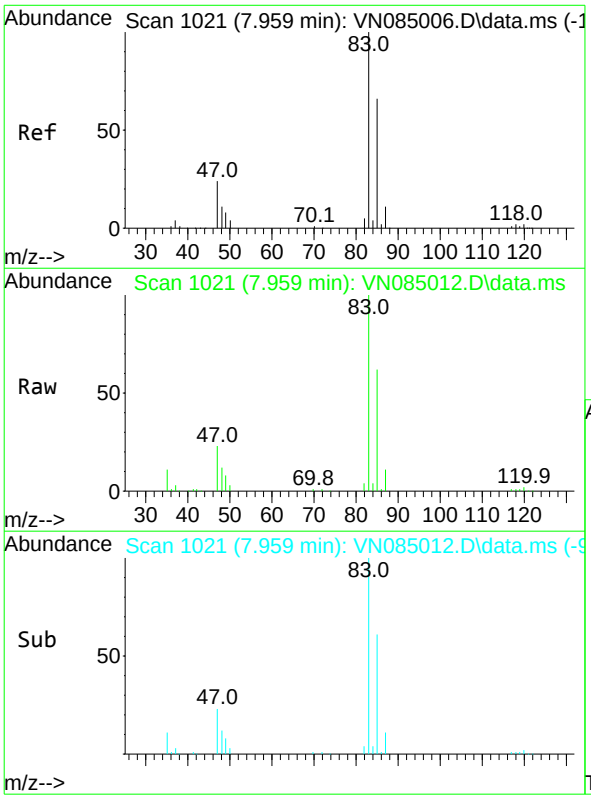
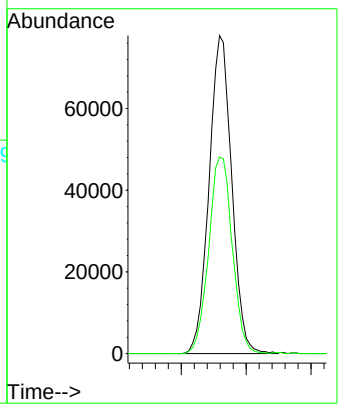
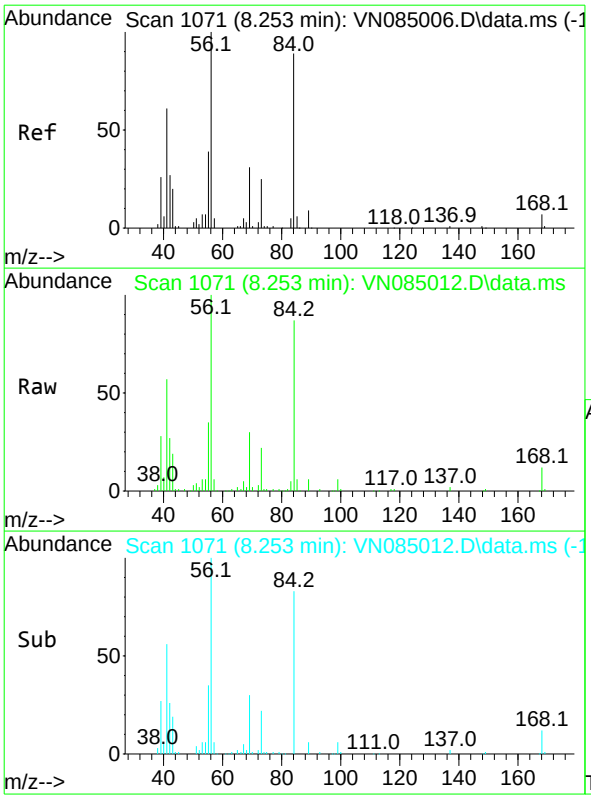


#30
Chloroform
Concen: 45.623 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 83 Resp: 188550

Ion	Ratio	Lower	Upper
83	100		
85	61.8	52.6	78.8

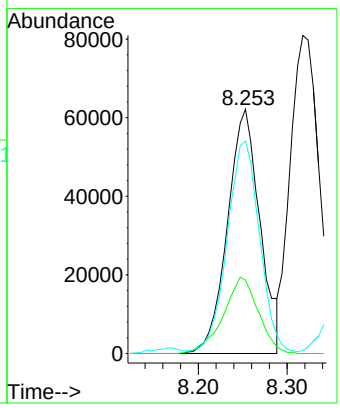




#31
Cyclohexane
Concen: 46.084 ug/l
RT: 8.253 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 56 Resp: 157639

Ion	Ratio	Lower	Upper
56	100		
69	30.0	24.6	36.8
84	85.3	71.4	107.2



Instrument :
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ClientSampleId :
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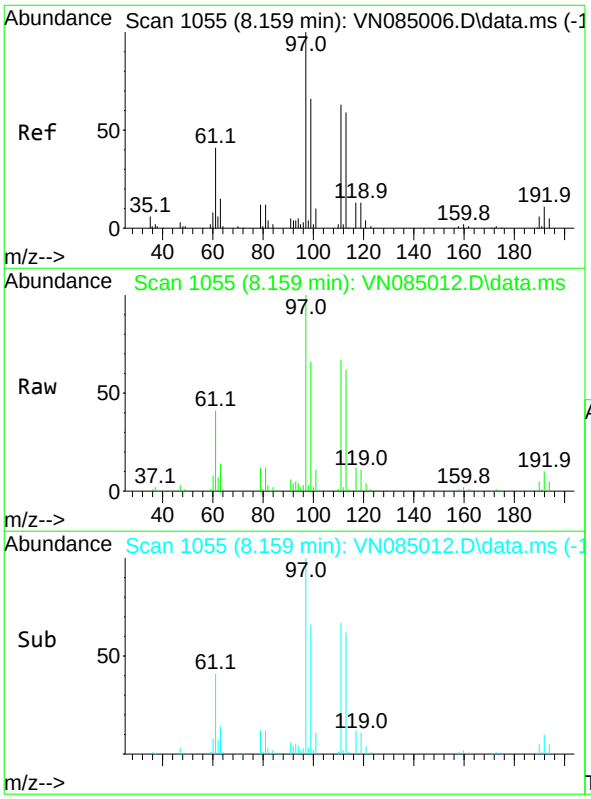
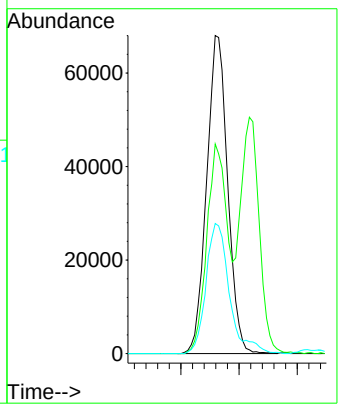
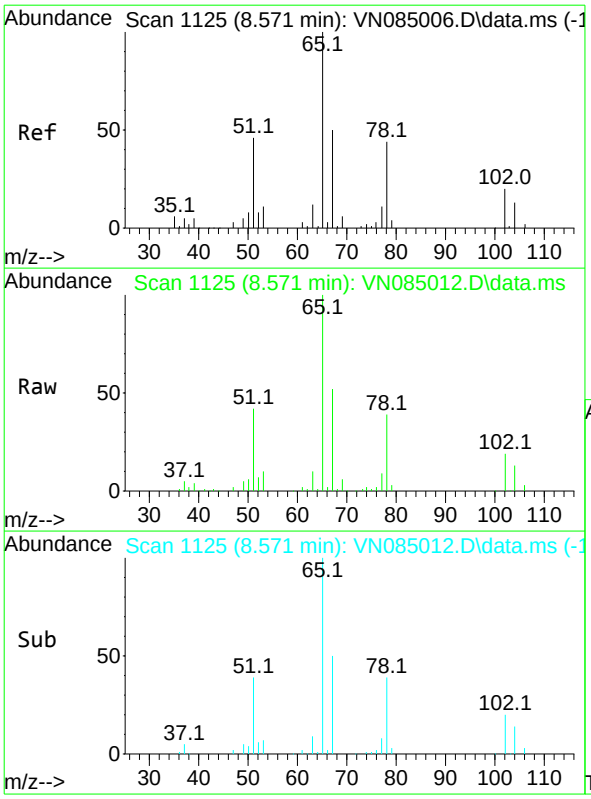


#32
1,1,1-Trichloroethane
Concen: 45.714 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 97 Resp: 170723

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.4
61	45.6	36.2	54.2

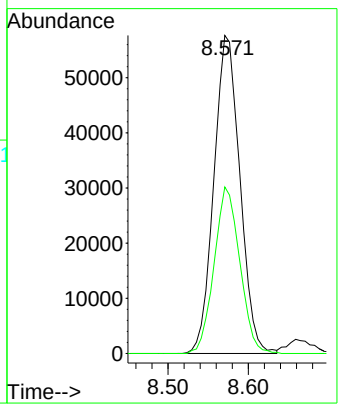




#33
1,2-Dichloroethane-d4
Concen: 50.568 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 65 Resp: 129855

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	105.0



Instrument :
MSVOA_N
ClientSampleId :
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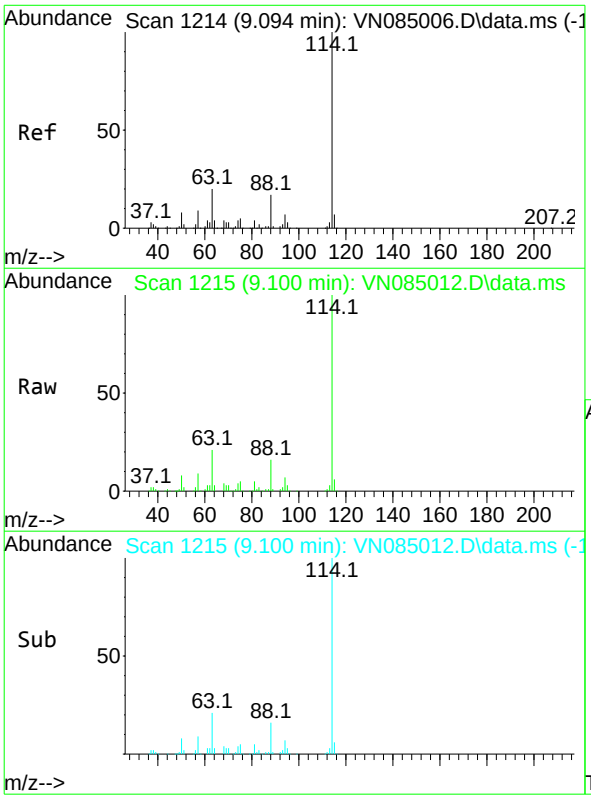
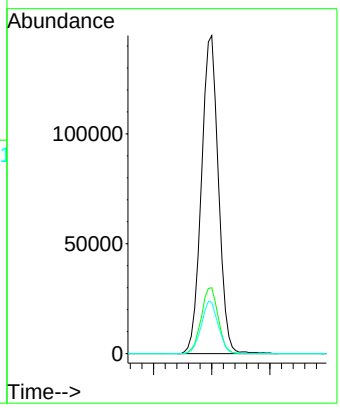
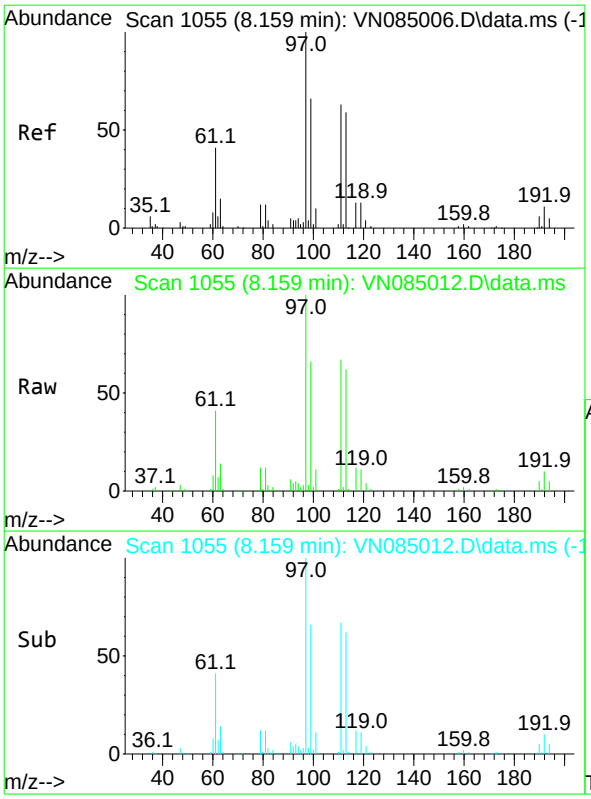


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:114 Resp: 293712

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	41.0
88	16.1	0.0	34.8

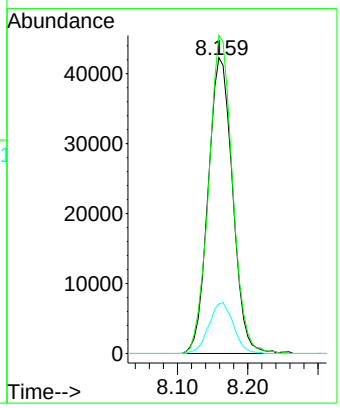




#35
Dibromofluoromethane
Concen: 51.572 ug/l
RT: 8.159 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:113 Resp: 102148

Ion	Ratio	Lower	Upper
113	100		
111	105.3	82.0	123.0
192	17.4	14.8	22.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

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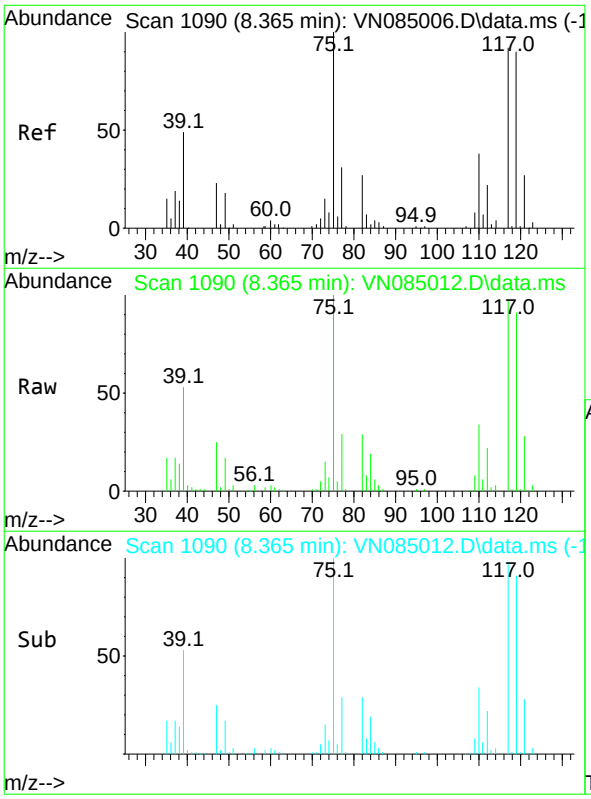
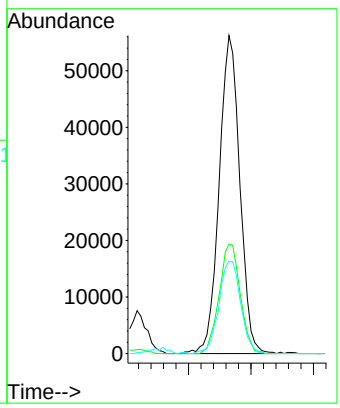
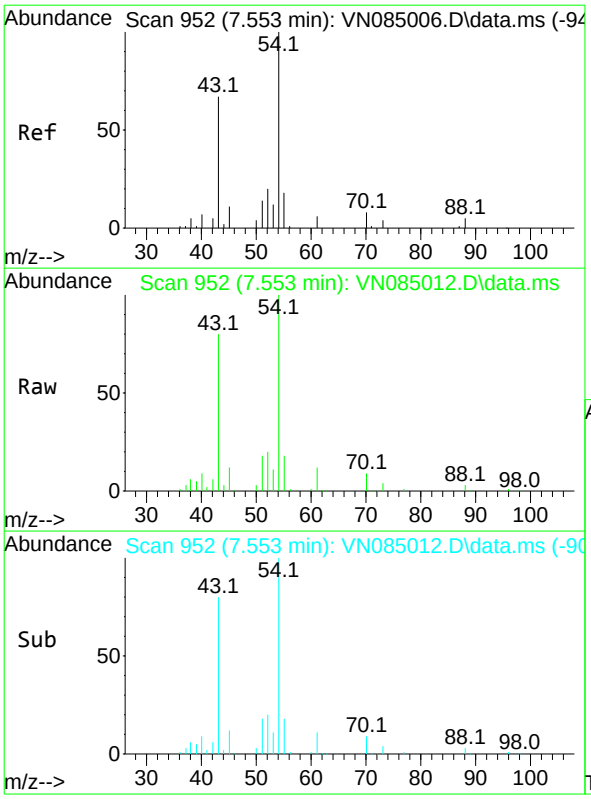


#36
1,1-Dichloropropene
Concen: 48.093 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 75 Resp: 129026

Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.2	51.6
77	30.7	24.2	36.4





#37
Ethyl Acetate
Concen: 46.651 ug/l
RT: 7.553 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 43 Resp: 113781

Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.7	17.5
70	11.5	9.3	13.9

Instrument :
MSVOA_N
ClientSampleId :
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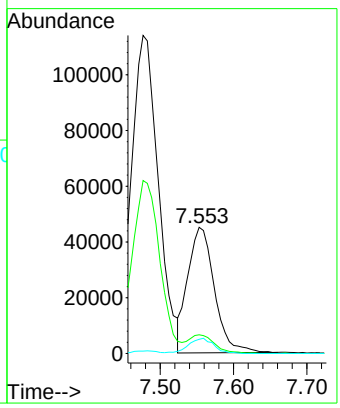
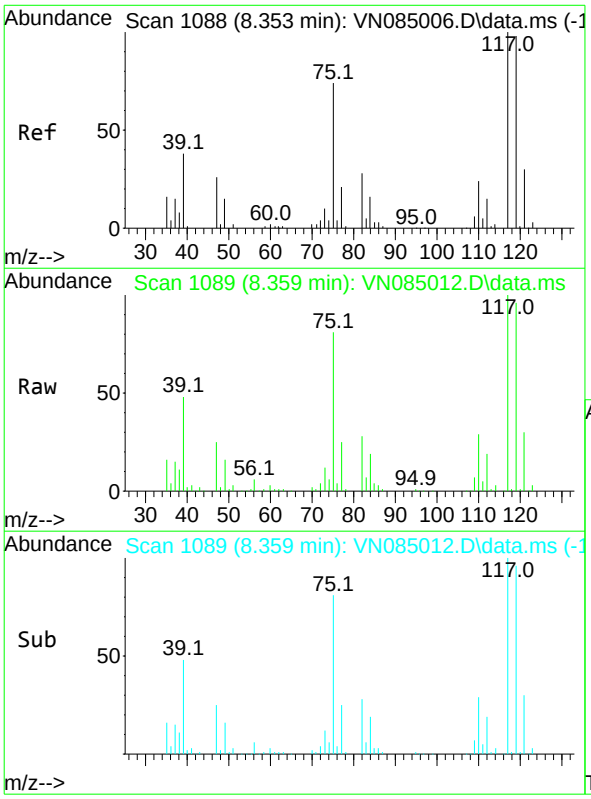
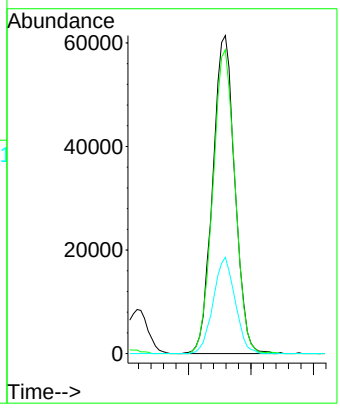


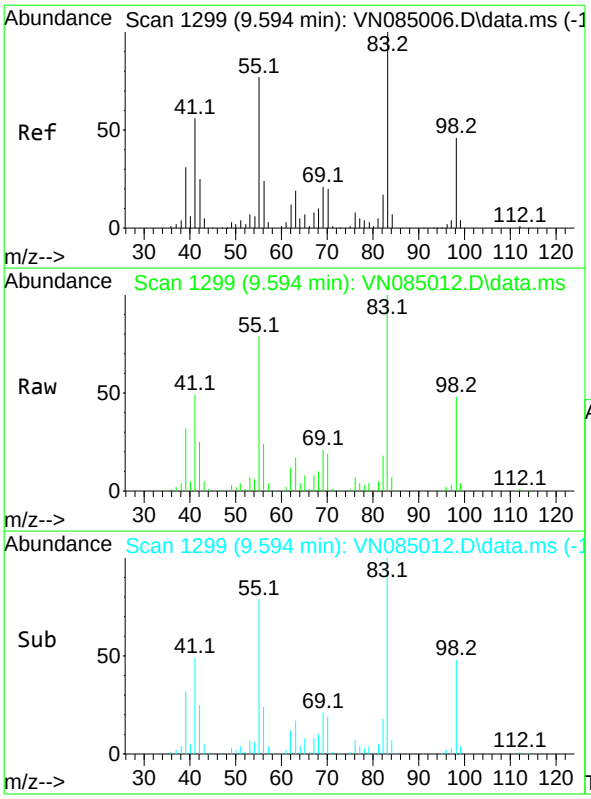


#38
Carbon Tetrachloride
Concen: 48.846 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:117 Resp: 151265

Ion	Ratio	Lower	Upper
117	100		
119	95.5	78.6	117.8
121	30.3	24.2	36.2

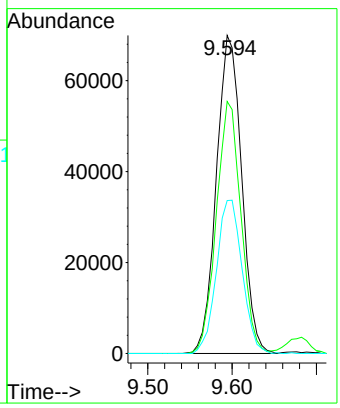




#39
Methylcyclohexane
Concen: 52.114 ug/l
RT: 9.594 min Scan# 12
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 83 Resp: 145286

Ion	Ratio	Lower	Upper
83	100		
55	79.2	61.8	92.6
98	48.1	37.0	55.6



Instrument :
MSVOA_N
ClientSampleId :
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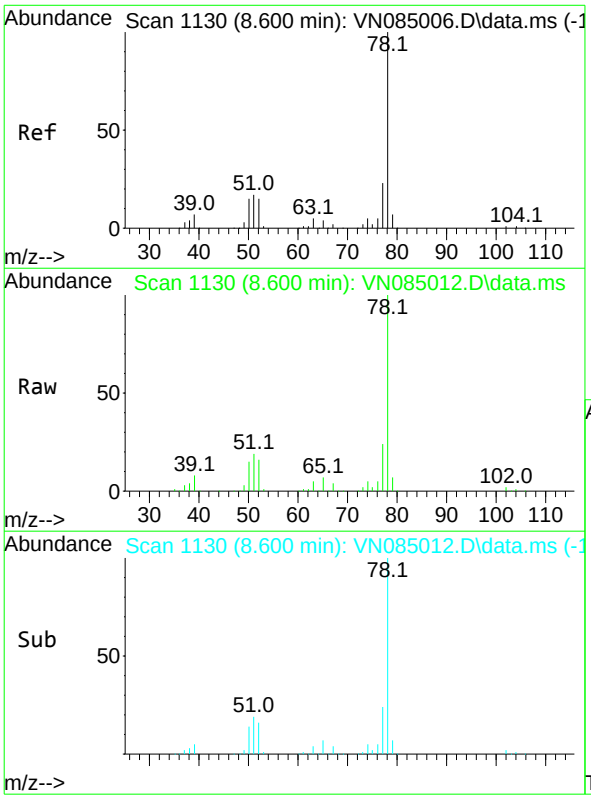
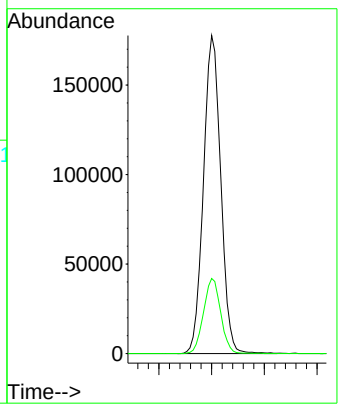
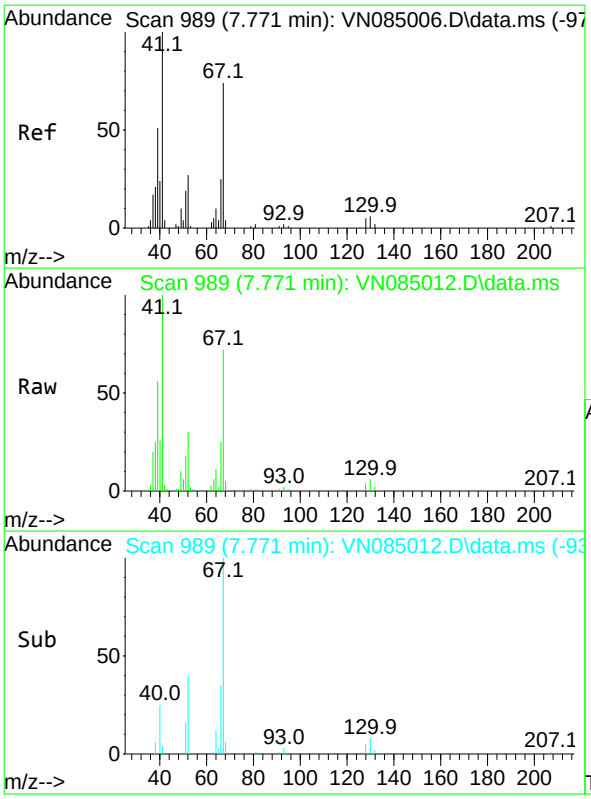


#40
Benzene
Concen: 47.675 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 78 Resp: 404536

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.5	27.7

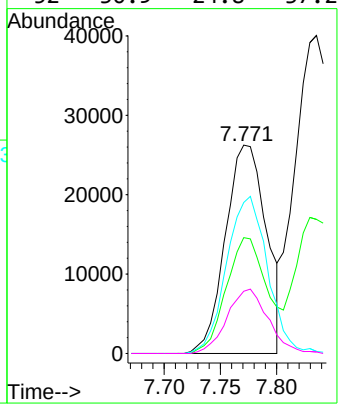




#41
Methacrylonitrile
Concen: 49.311 ug/l
RT: 7.771 min Scan# 98
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 41 Resp: 66590

Ion	Ratio	Lower	Upper
41	100		
39	56.6	42.6	63.8
67	75.5	59.9	89.9
52	30.9	24.8	37.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

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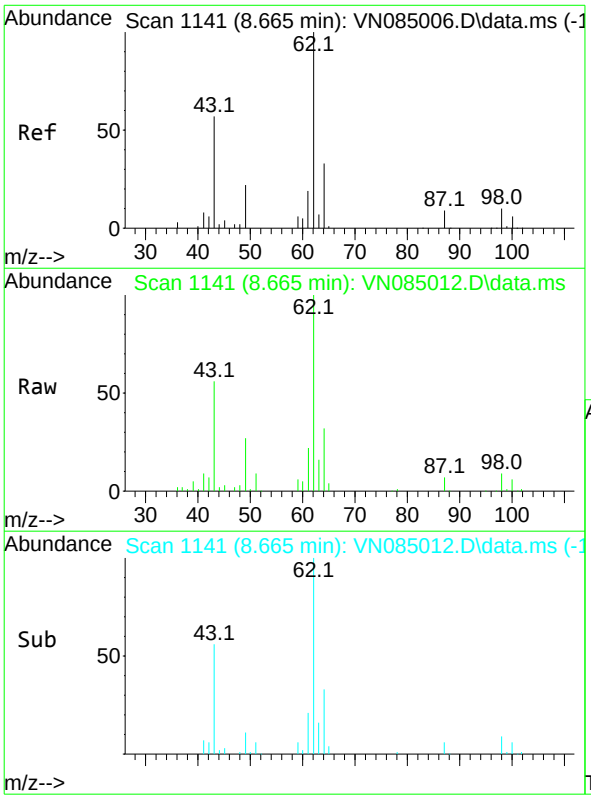
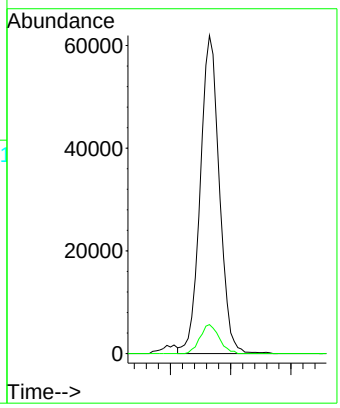
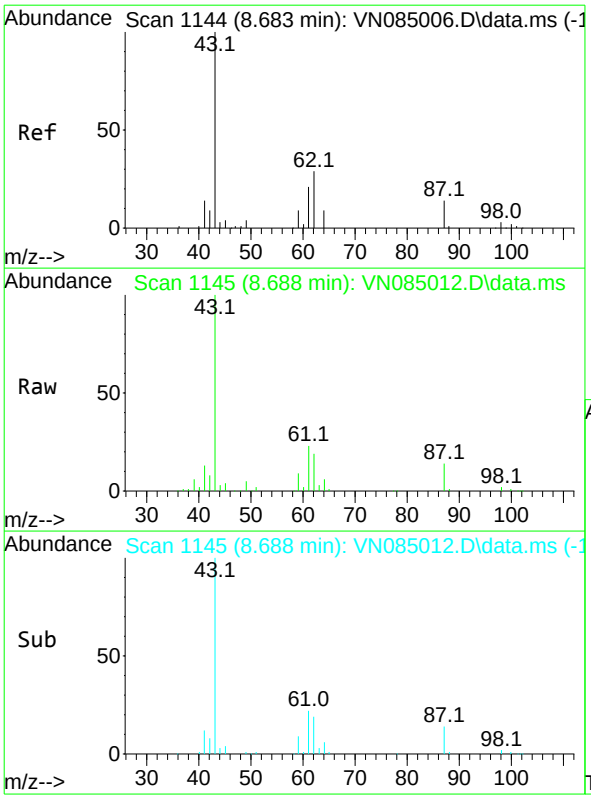


#42
1,2-Dichloroethane
Concen: 47.025 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 62 Resp: 136508

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2

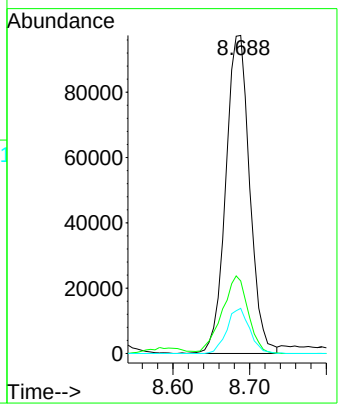




#43
Isopropyl Acetate
Concen: 41.574 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 43 Resp: 210623

Ion	Ratio	Lower	Upper
43	100		
61	26.7	20.6	30.8
87	13.5	11.0	16.4



Instrument :
MSVOA_N
ClientSampleId :
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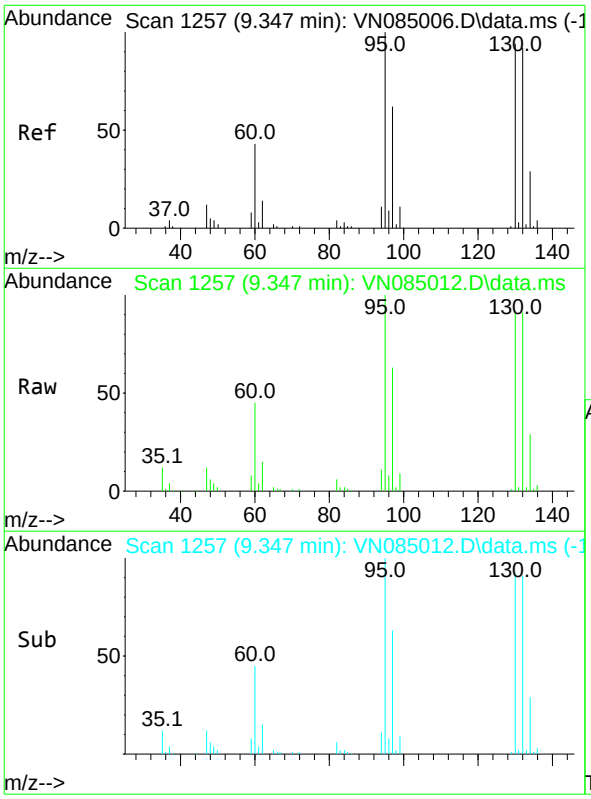
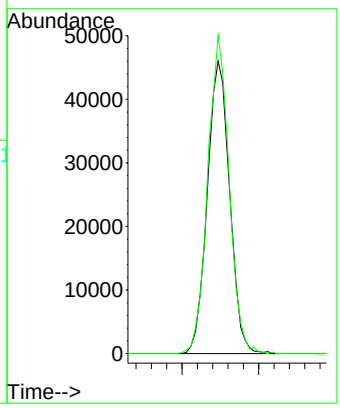
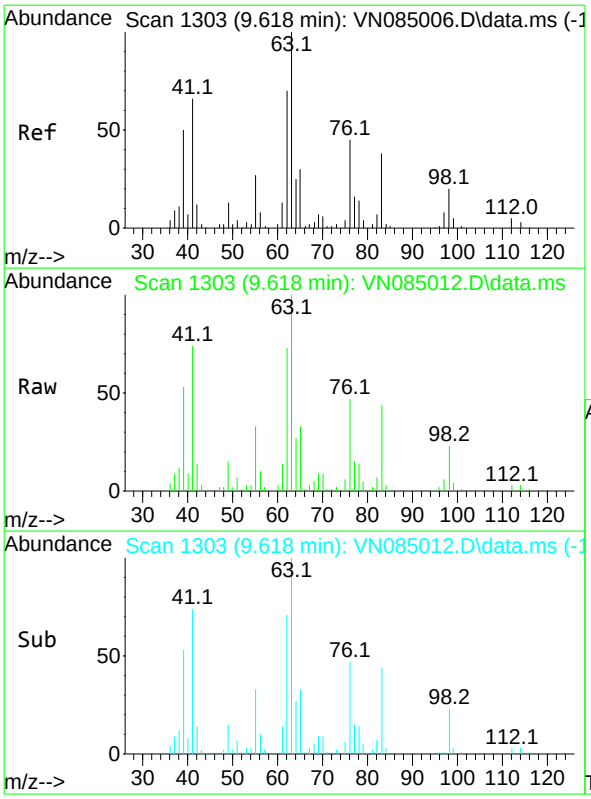


#44
Trichloroethene
Concen: 47.205 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:130 Resp: 93086

Ion	Ratio	Lower	Upper
130	100		
95	108.7	0.0	213.4

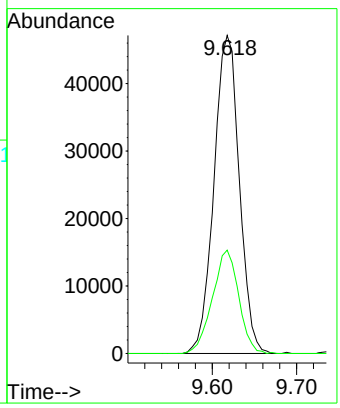




#45
1,2-Dichloropropane
Concen: 47.073 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 63 Resp: 98380

Ion	Ratio	Lower	Upper
63	100		
65	32.5	24.0	36.0



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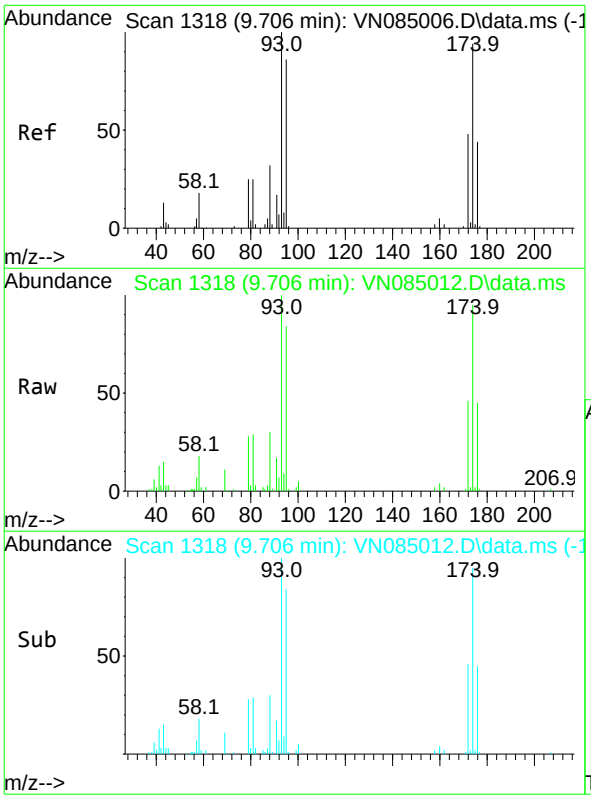
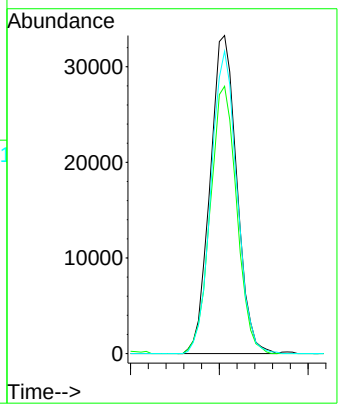
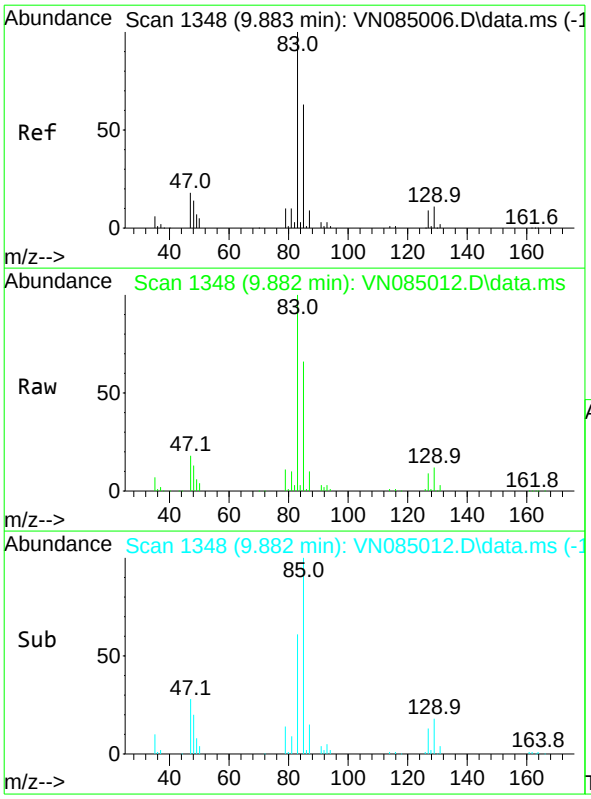


#46
Dibromomethane
Concen: 47.909 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 93 Resp: 69575

Ion	Ratio	Lower	Upper
93	100		
95	82.9	66.2	99.4
174	91.9	74.9	112.3

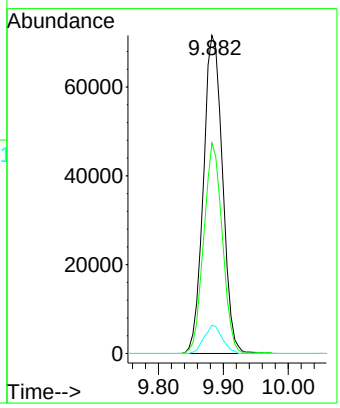




#47
Bromodichloromethane
Concen: 47.631 ug/l
RT: 9.882 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 83 Resp: 146603

Ion	Ratio	Lower	Upper
83	100		
85	66.2	50.5	75.7
127	8.9	7.1	10.7



Instrument :
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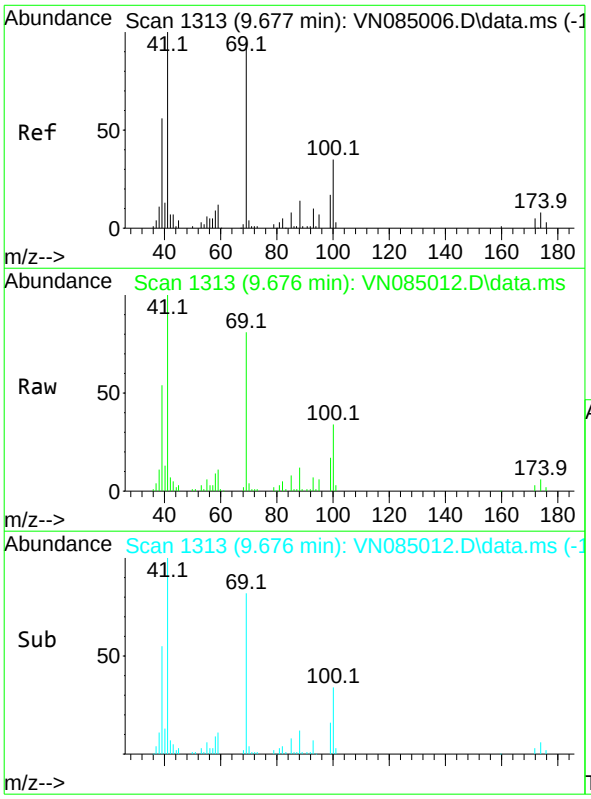
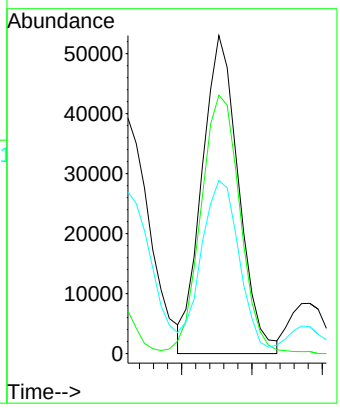
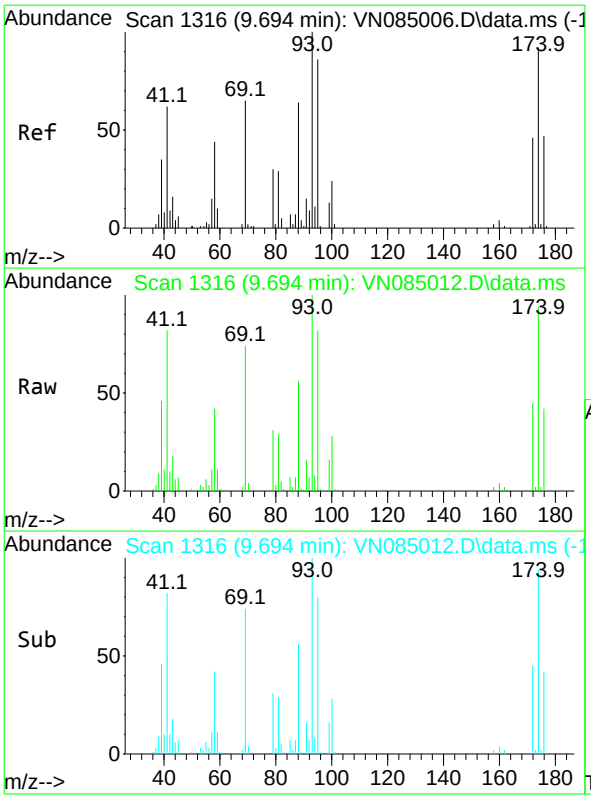


#48
Methyl methacrylate
Concen: 50.900 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 41 Resp: 95959

Ion	Ratio	Lower	Upper
41	100		
69	86.9	73.2	109.8
39	57.0	46.2	69.4





#49
1,4-Dioxane
Concen: 950.585 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 88 Resp: 31078

Ion	Ratio	Lower	Upper
88	100		
43	0.0	16.7	25.1#
58	73.0	56.5	84.7

Instrument :
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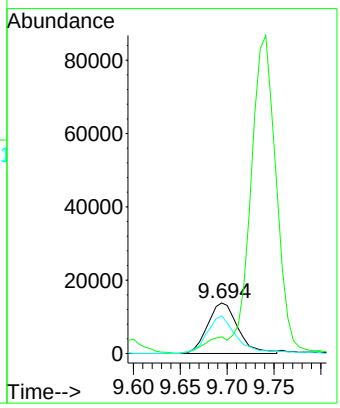
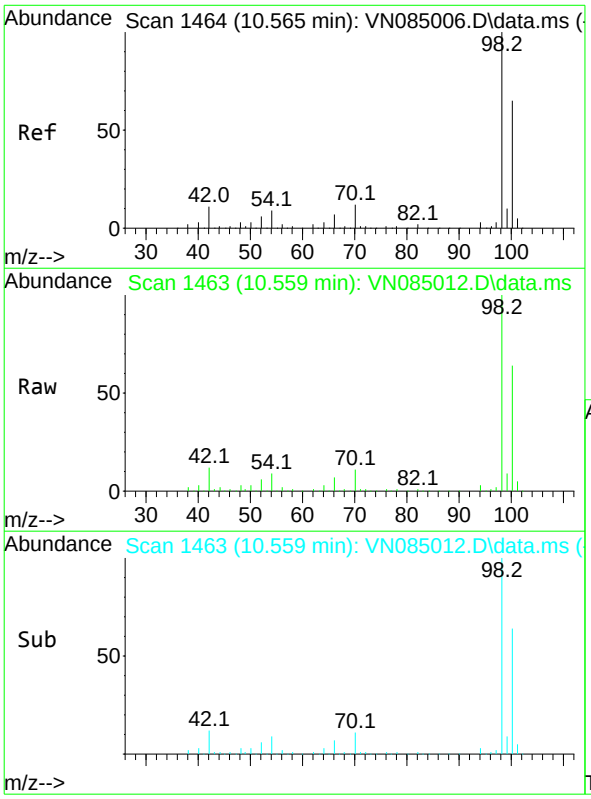
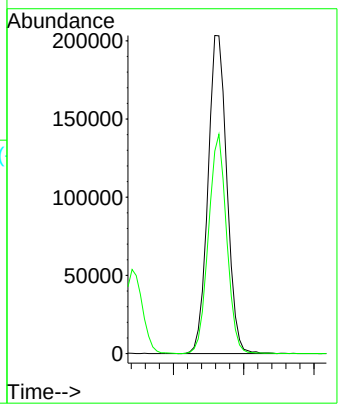


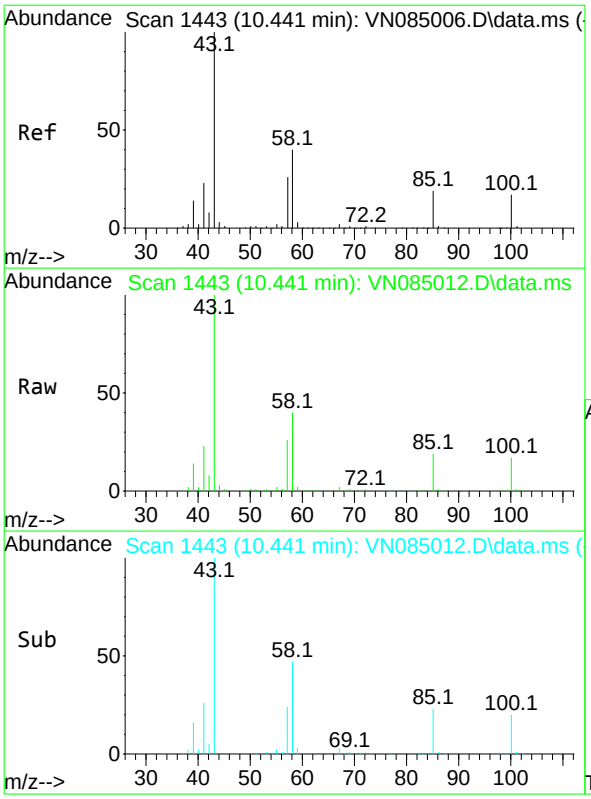


#50
Toluene-d8
Concen: 53.488 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 98 Resp: 379679

Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.5	78.7

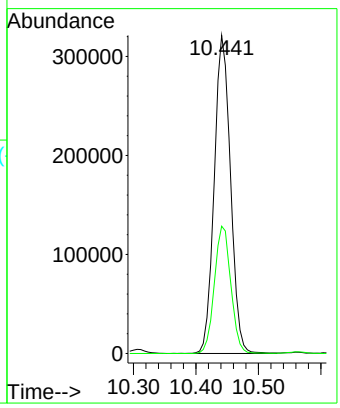




#51
4-Methyl-2-Pentanone
Concen: 251.720 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 43 Resp: 582480

Ion	Ratio	Lower	Upper
43	100		
58	40.4	32.1	48.1



Instrument :
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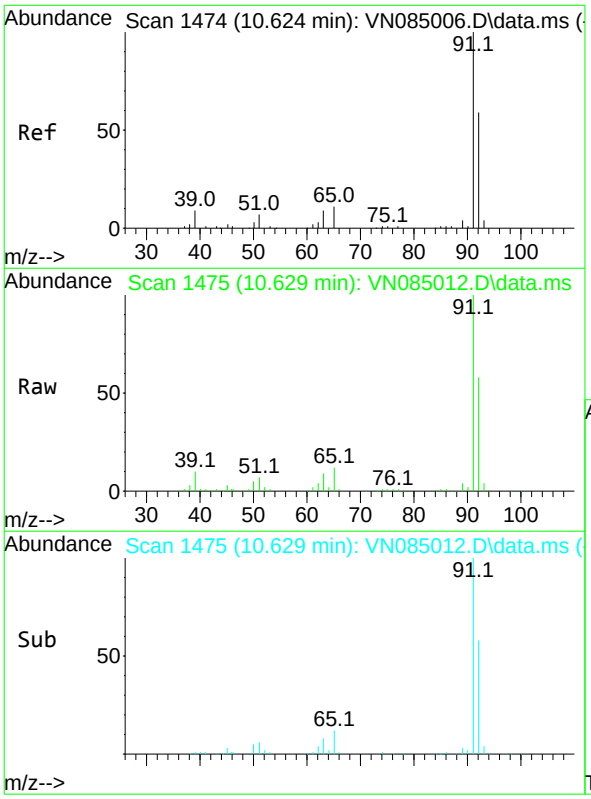
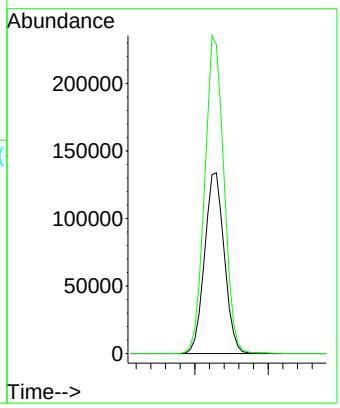
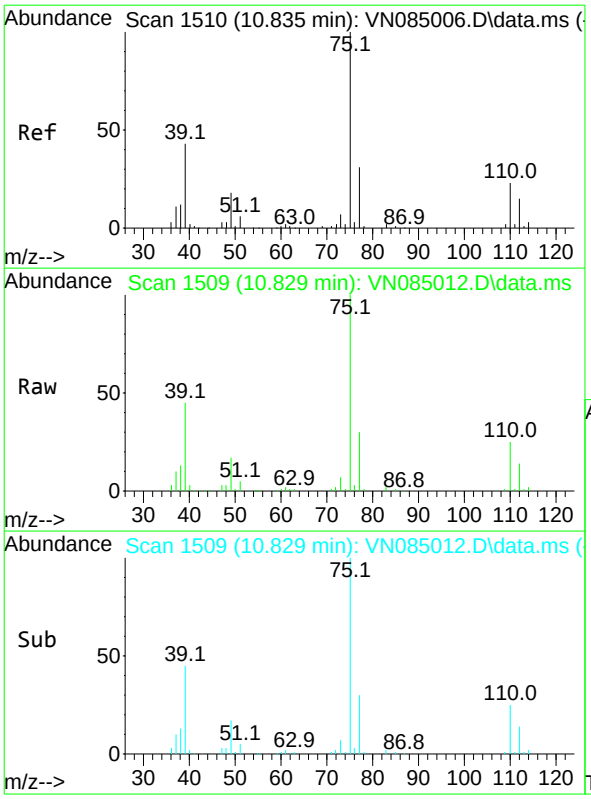


#52
Toluene
Concen: 49.682 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 92 Resp: 249568

Ion	Ratio	Lower	Upper
92	100		
91	171.9	136.7	205.1

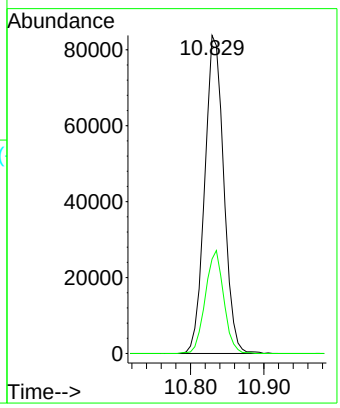




#53
t-1,3-Dichloropropene
Concen: 48.881 ug/l
RT: 10.829 min Scan# 15
Delta R.T. -0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 75 Resp: 150836

Ion	Ratio	Lower	Upper
75	100		
77	29.7	25.0	37.4



Instrument :
MSVOA_N
ClientSampleId :
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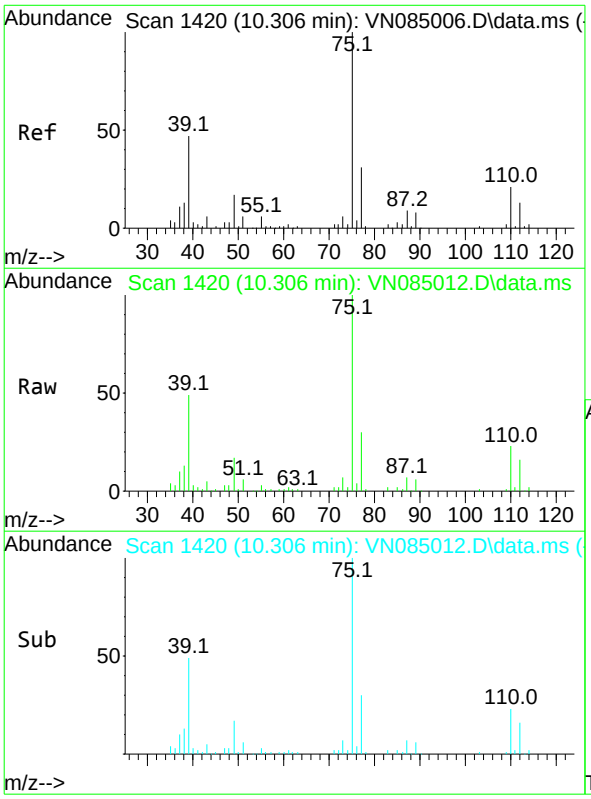
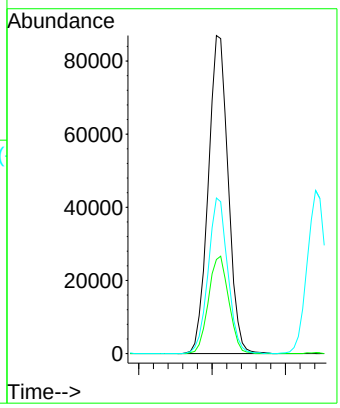
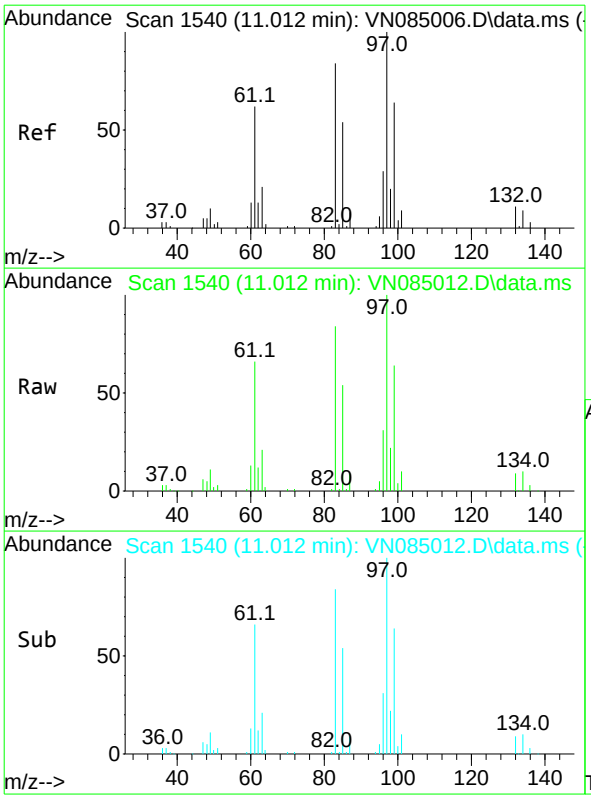


#54
cis-1,3-Dichloropropene
Concen: 50.100 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 75 Resp: 164009

Ion	Ratio	Lower	Upper
75	100		
77	29.6	25.0	37.4
39	48.9	37.6	56.4

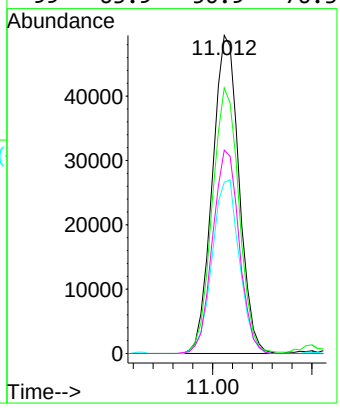




#55
1,1,2-Trichloroethane
Concen: 49.287 ug/l
RT: 11.012 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 97 Resp: 92219

Ion	Ratio	Lower	Upper
97	100		
83	83.5	67.4	101.2
85	53.8	43.1	64.7
99	63.9	50.9	76.3



Instrument :
MSVOA_N
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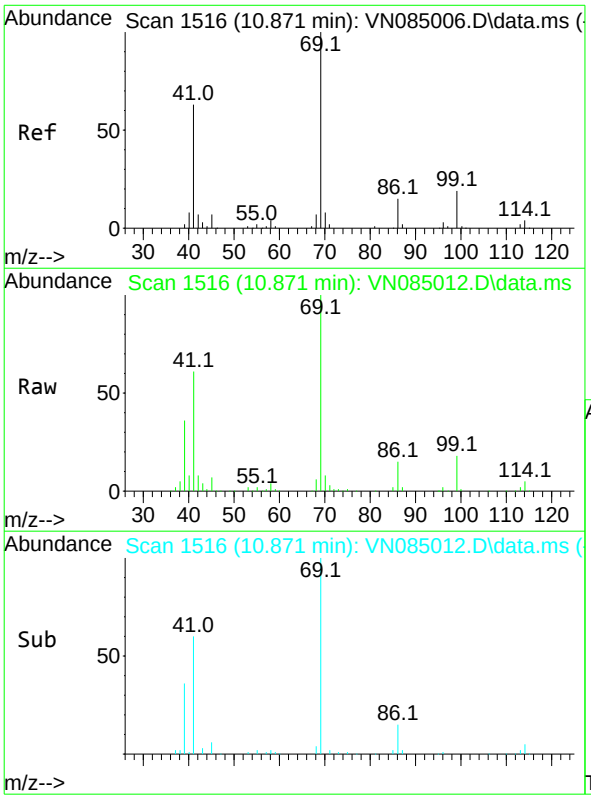
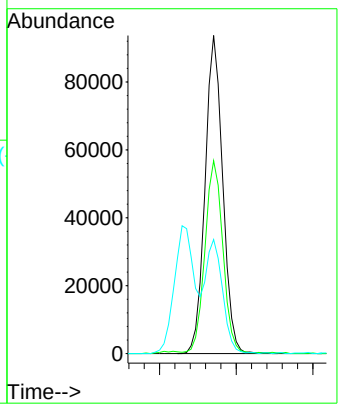
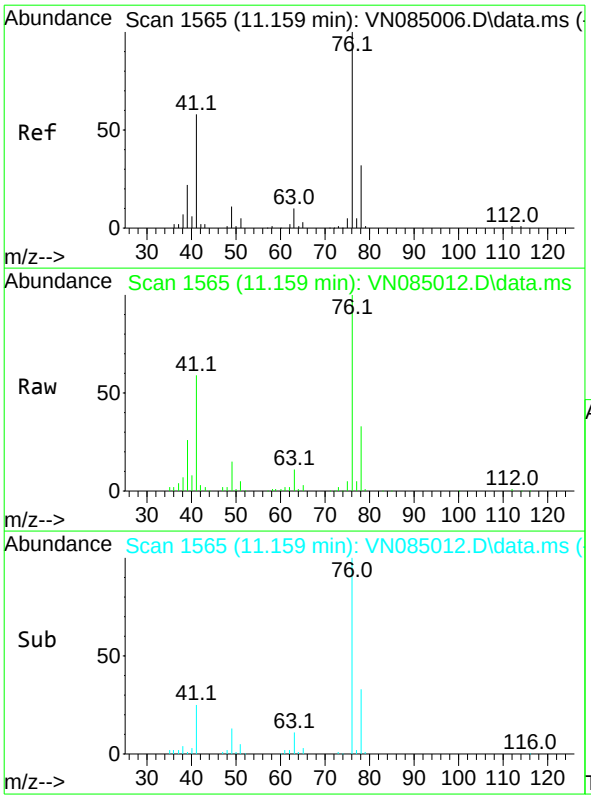


#56
Ethyl methacrylate
Concen: 54.694 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 69 Resp: 149537

Ion	Ratio	Lower	Upper
69	100		
41	61.1	50.0	75.0
39	34.6	27.0	40.6

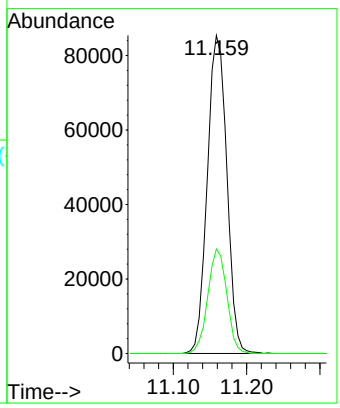




#57
1,3-Dichloropropane
Concen: 47.980 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 76 Resp: 158000

Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.1	39.1



Instrument :
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ClientSampleId :
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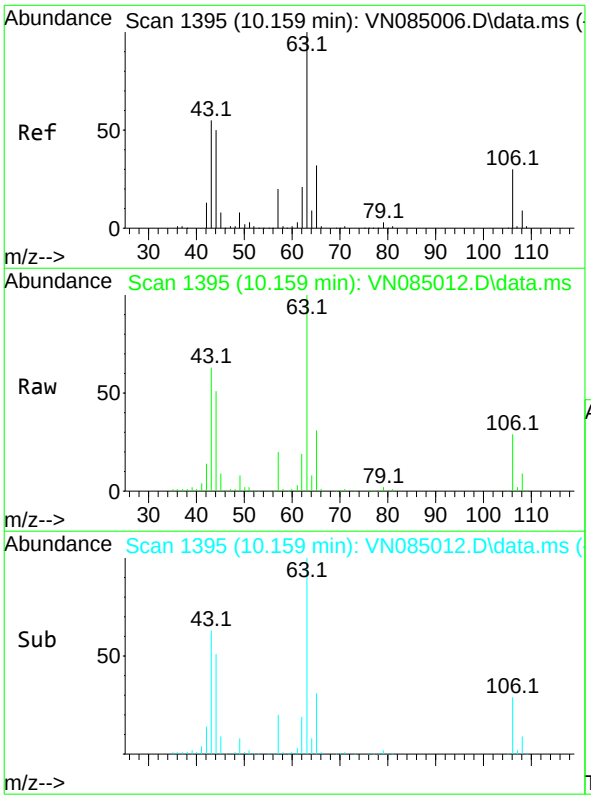
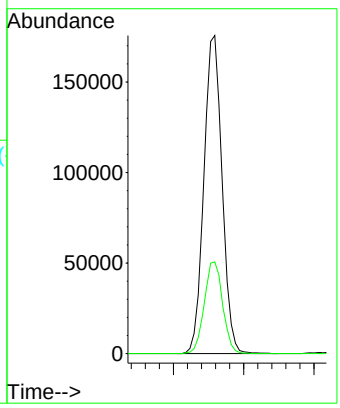
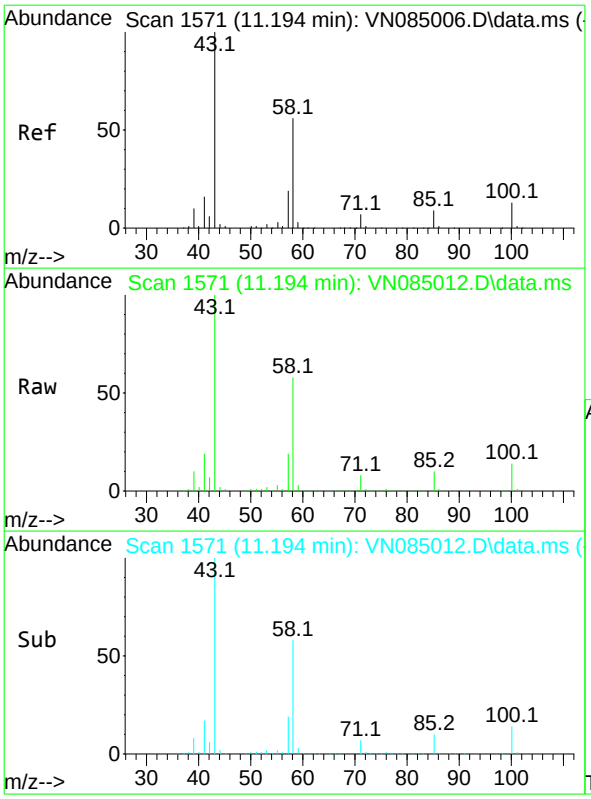


#58
2-Chloroethyl Vinyl ether
Concen: 235.323 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 63 Resp: 315602

Ion	Ratio	Lower	Upper
63	100		
106	29.1	23.0	34.6

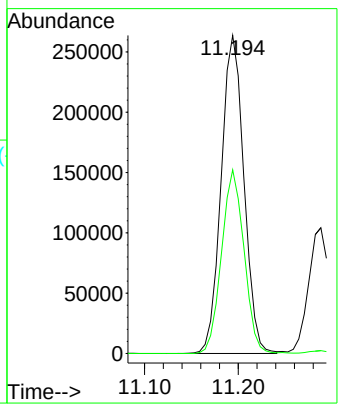




#59
2-Hexanone
Concen: 256.983 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 43 Resp: 444749

Ion	Ratio	Lower	Upper
43	100		
58	56.9	28.3	85.0



Instrument :
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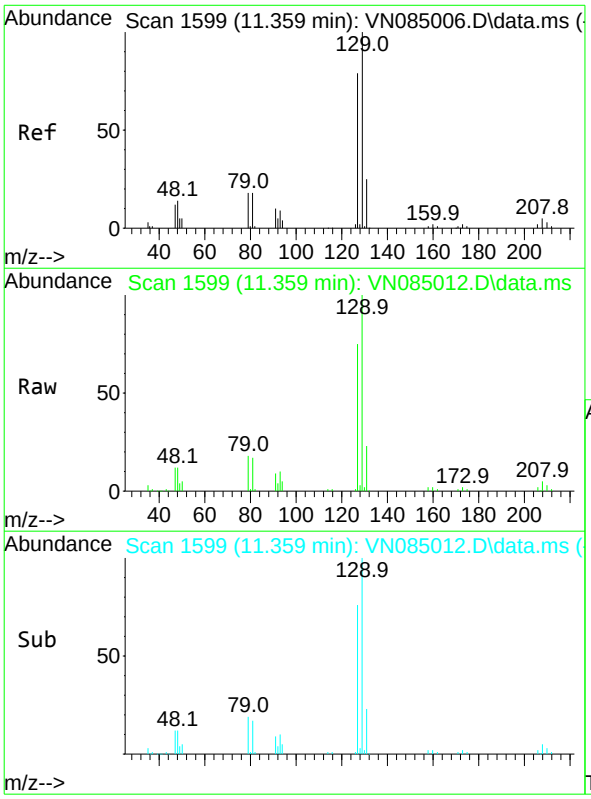
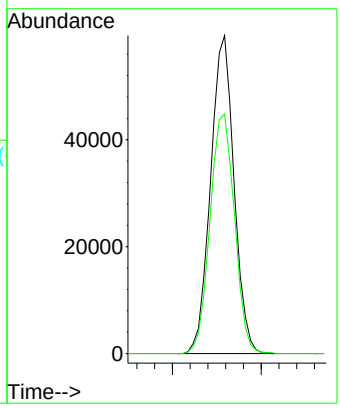
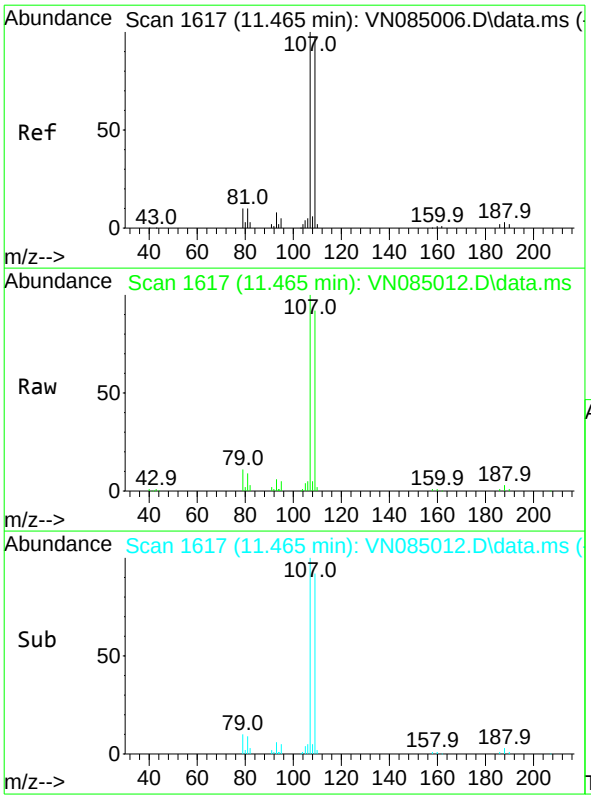


#60
Dibromochloromethane
Concen: 47.650 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:129 Resp: 108961

Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.2	117.6





#61
1,2-Dibromoethane
Concen: 48.883 ug/l
RT: 11.465 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:107 Resp: 94657

Ion	Ratio	Lower	Upper
107	100		
109	90.8	76.1	114.1

Instrument :
MSVOA_N
ClientSampleId :
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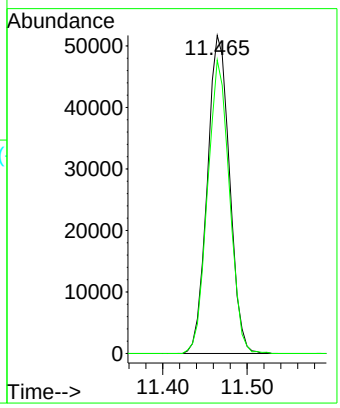
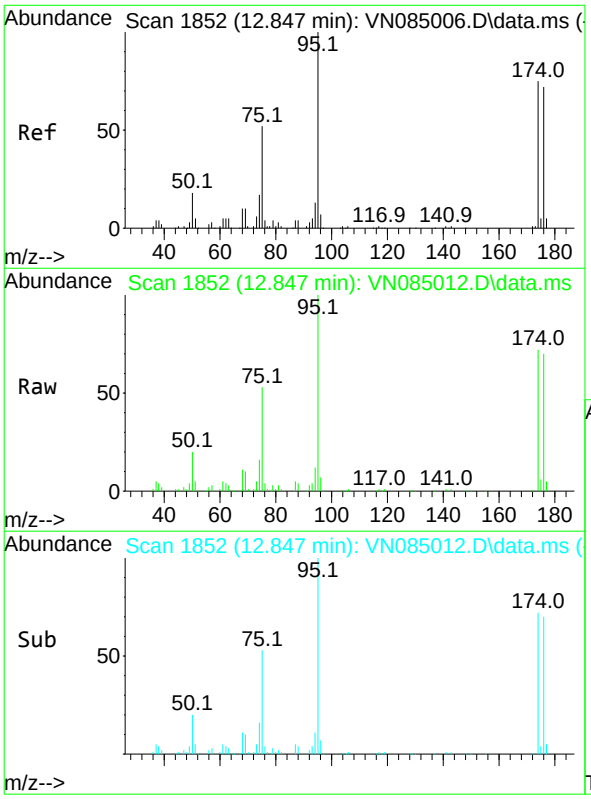
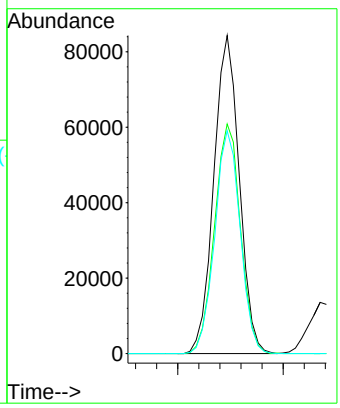


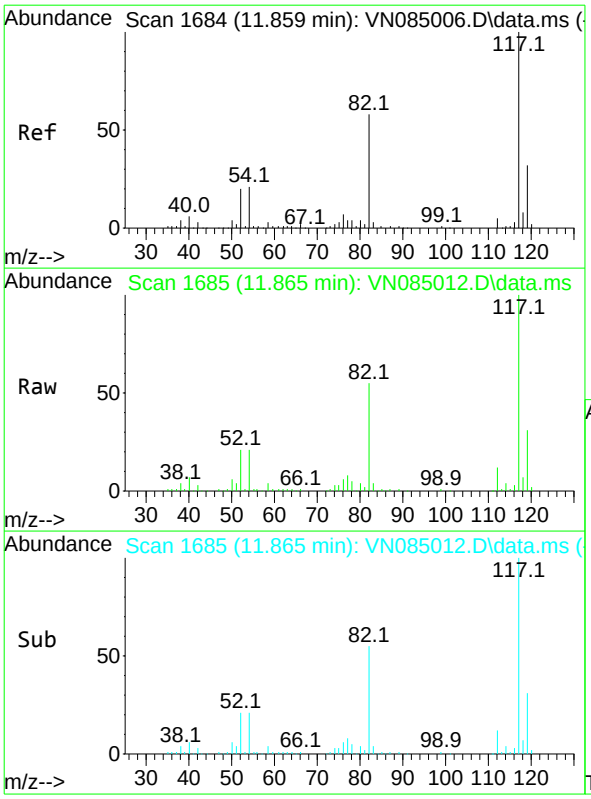


#62
4-Bromofluorobenzene
Concen: 53.276 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 95 Resp: 141423

Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	146.6
176	69.8	0.0	141.8

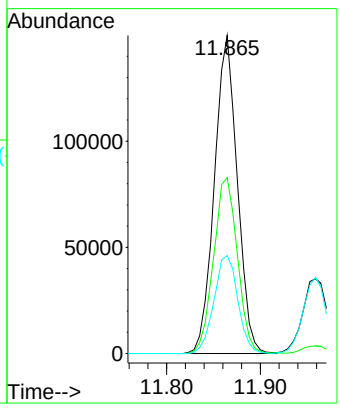




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:117 Resp: 254182

Ion	Ratio	Lower	Upper
117	100		
82	55.3	46.0	69.0
119	30.8	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

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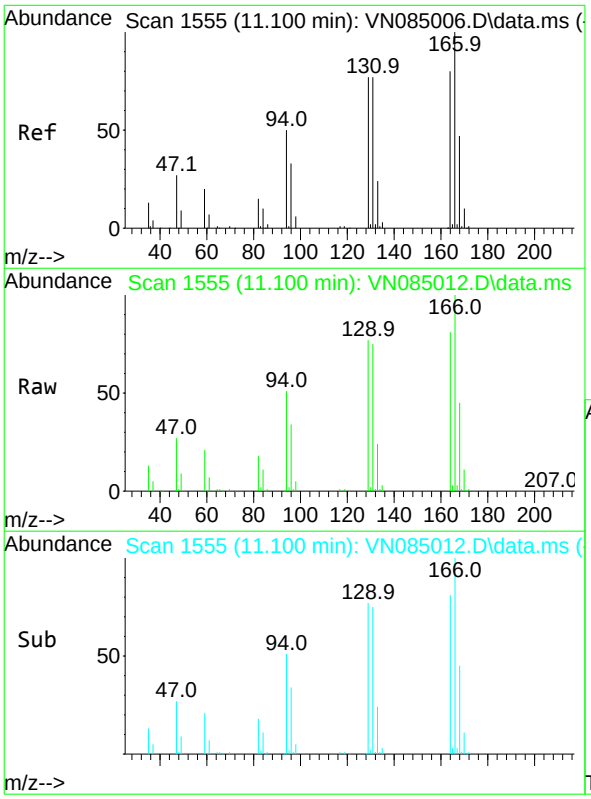
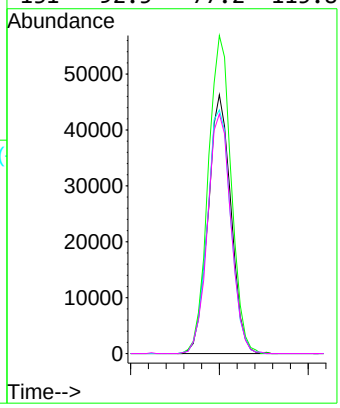
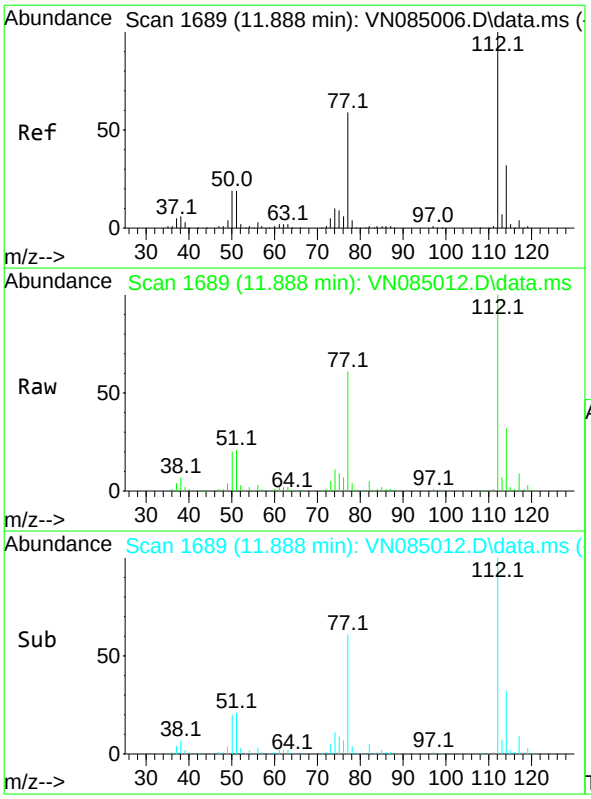


#64
Tetrachloroethene
Concen: 48.316 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:164 Resp: 82753

Ion	Ratio	Lower	Upper
164	100		
166	122.9	100.6	151.0
129	94.2	77.7	116.5
131	92.5	77.2	115.8

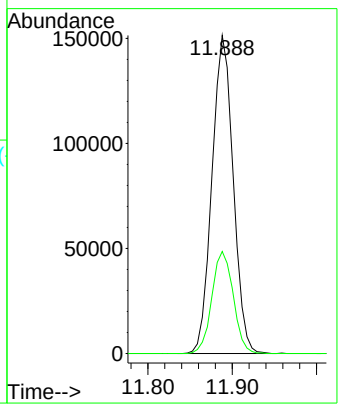




#65
Chlorobenzene
Concen: 45.936 ug/l
RT: 11.888 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:112 Resp: 264798

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.8	38.6



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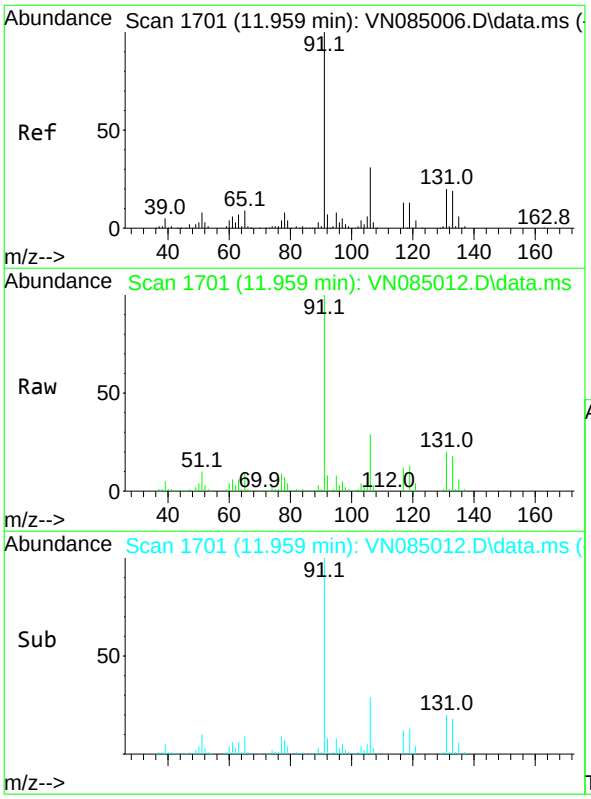
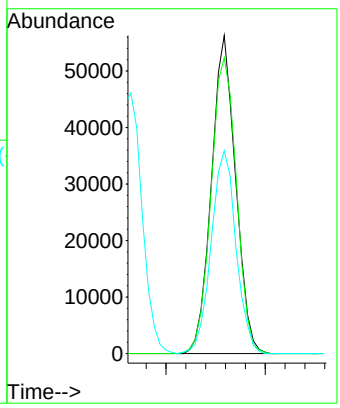
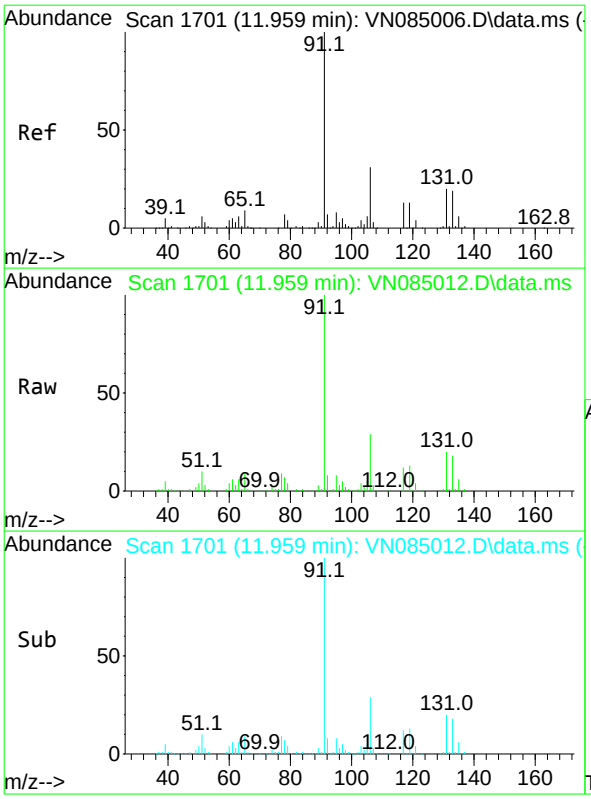


#66
1,1,1,2-Tetrachloroethane
Concen: 46.991 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:131 Resp: 95374

Ion	Ratio	Lower	Upper
131	100		
133	97.7	47.8	143.4
119	65.5	32.1	96.3

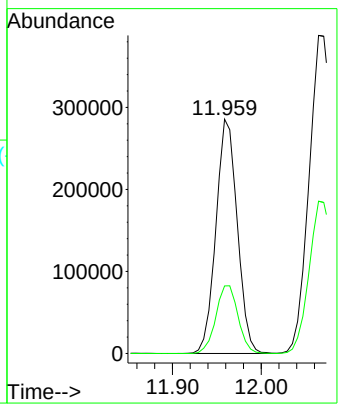




#67
Ethyl Benzene
Concen: 51.046 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 91 Resp: 477400

Ion	Ratio	Lower	Upper
91	100		
106	28.8	24.7	37.1



Instrument :
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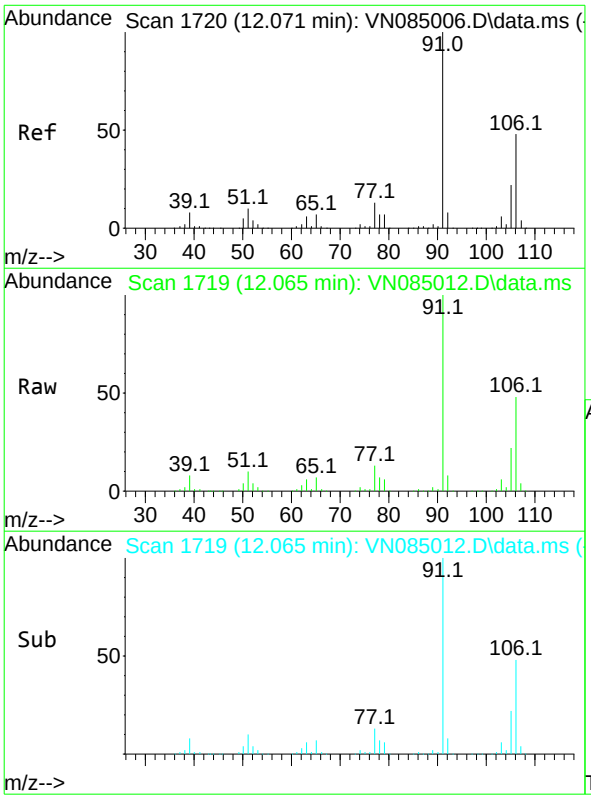
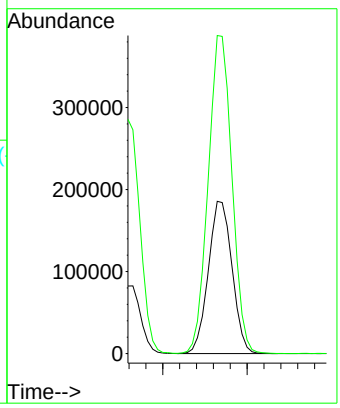
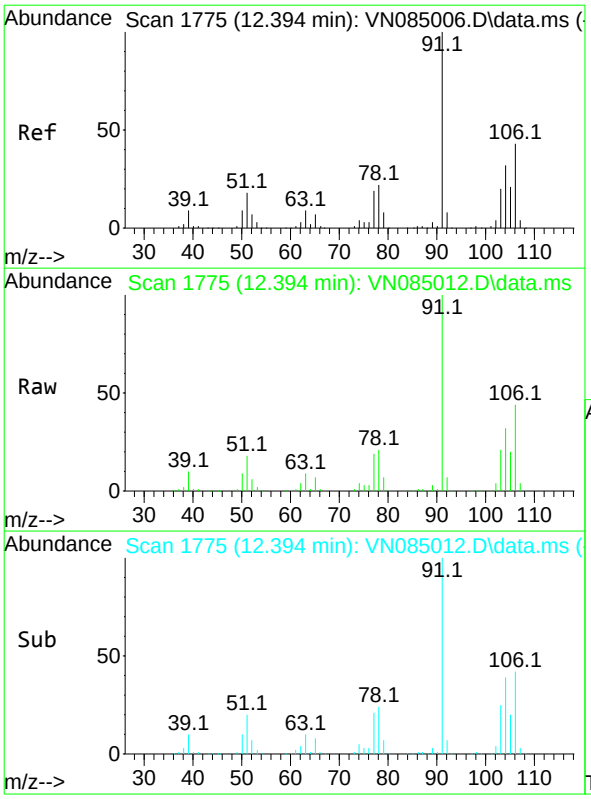


#68
m/p-Xylenes
Concen: 101.951 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:106 Resp: 363006

Ion	Ratio	Lower	Upper
106	100		
91	209.0	168.0	252.0

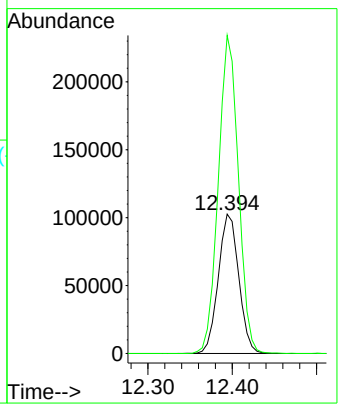




#69
o-Xylene
Concen: 51.086 ug/l
RT: 12.394 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:106 Resp: 173028

Ion	Ratio	Lower	Upper
106	100		
91	223.8	110.7	331.9



Instrument :
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ClientSampleId :
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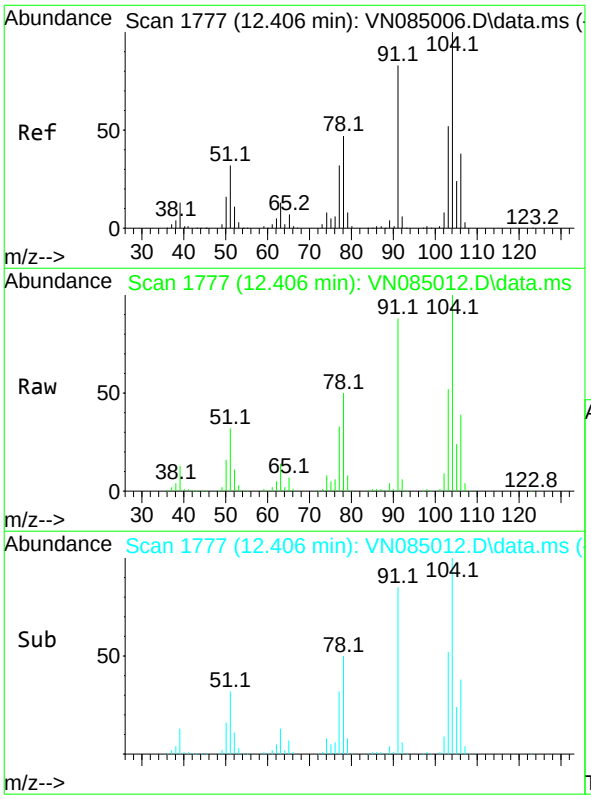
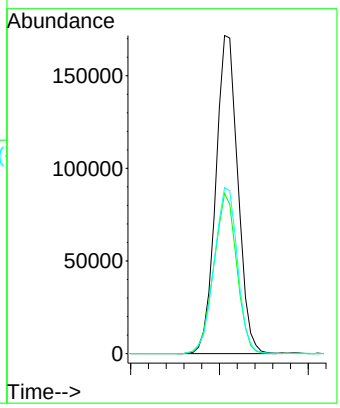
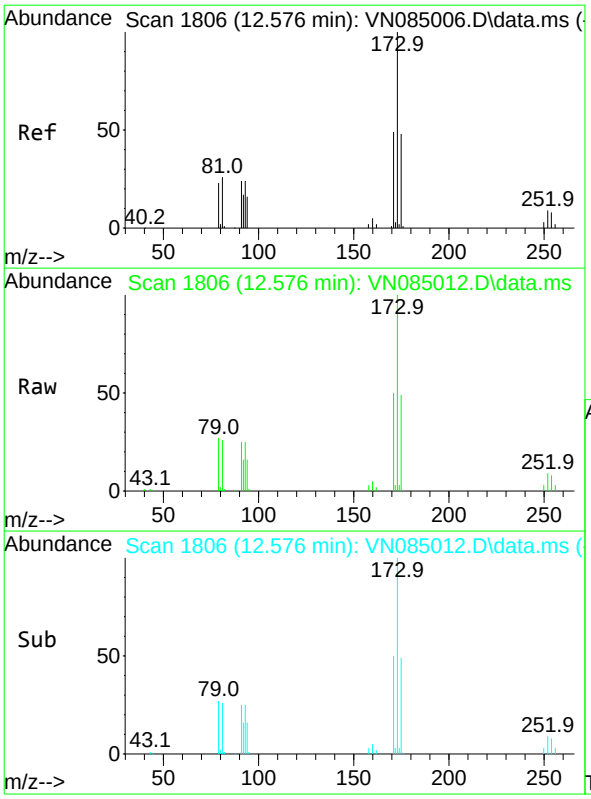


#70
Styrene
Concen: 52.687 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:104 Resp: 296759

Ion	Ratio	Lower	Upper
104	100		
78	52.3	42.3	63.5
103	55.0	44.2	66.2

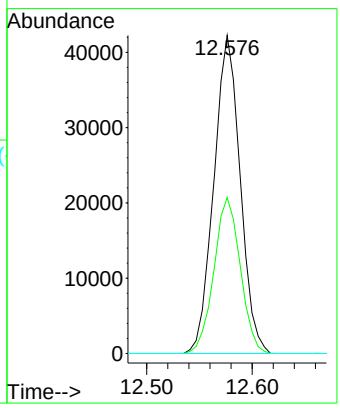




#71
Bromoform
Concen: 48.617 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:173 Resp: 73244

Ion	Ratio	Lower	Upper
173	100		
175	49.0	23.8	71.2
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
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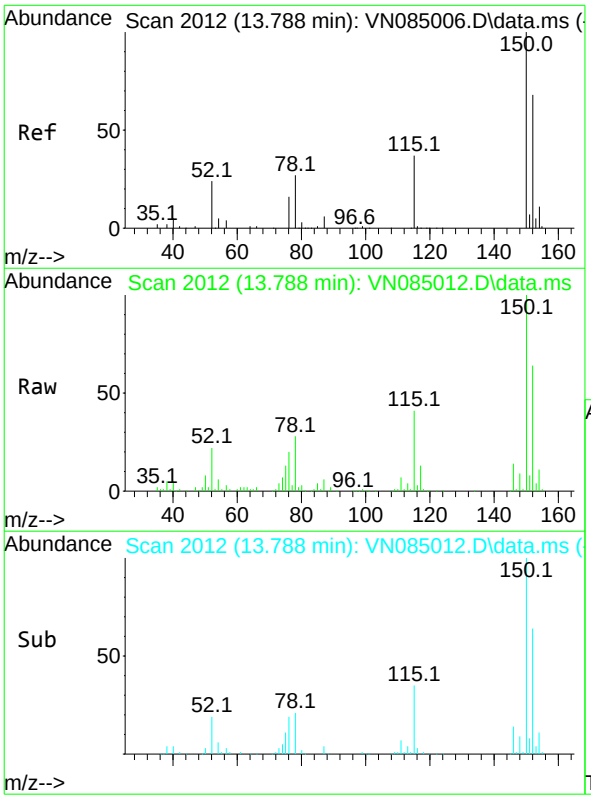
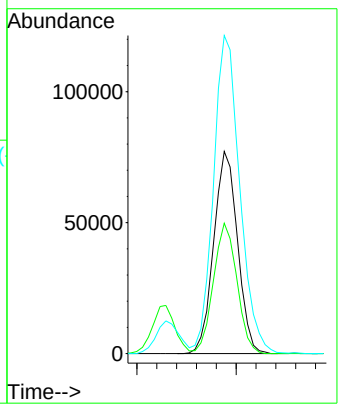
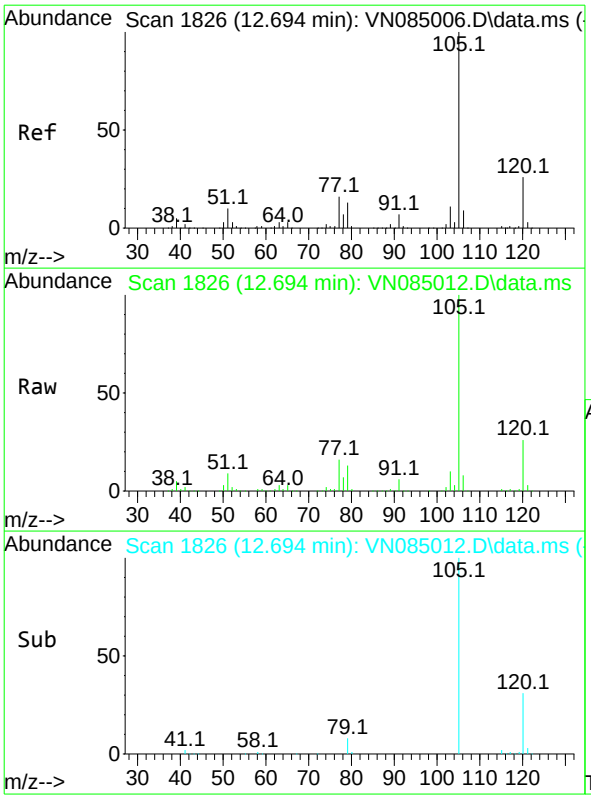


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:152 Resp: 128770

Ion	Ratio	Lower	Upper
152	100		
115	63.6	31.7	95.1
150	173.6	0.0	351.4

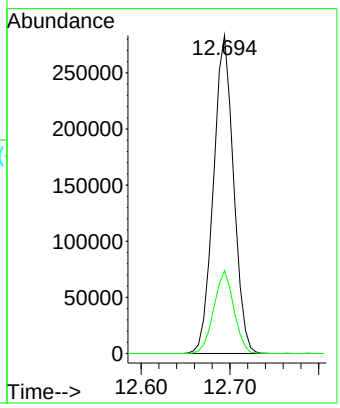




#73
Isopropylbenzene
Concen: 49.014 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:105 Resp: 445261

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	39.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

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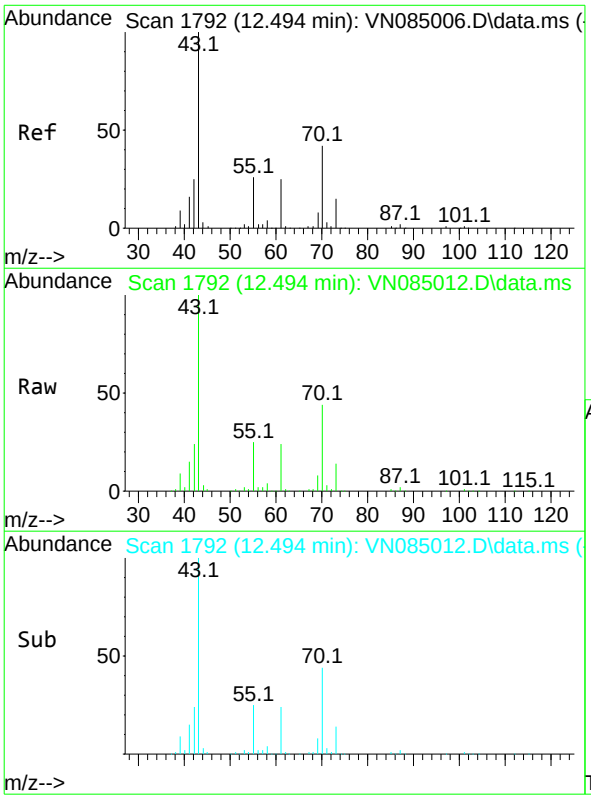
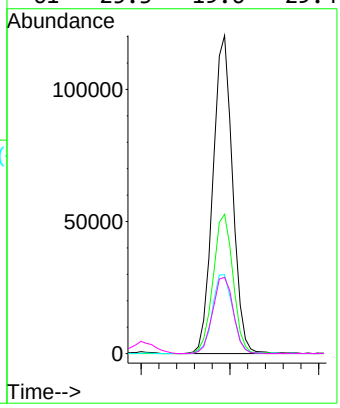
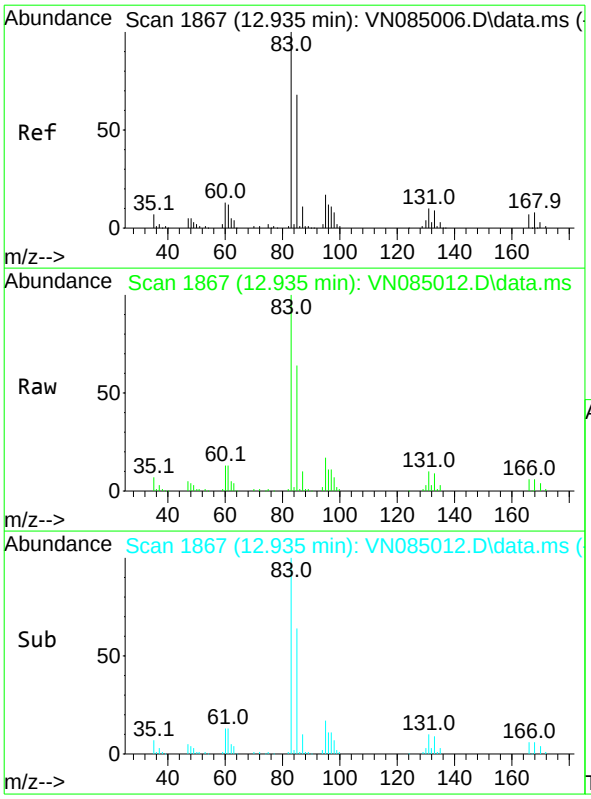


#74
N-amyl acetate
Concen: 49.418 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 43 Resp: 184990

Ion	Ratio	Lower	Upper
43	100		
70	44.4	34.6	51.8
55	25.8	20.5	30.7
61	25.3	19.6	29.4

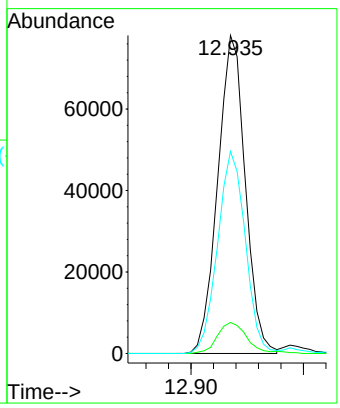




#75
1,1,2,2-Tetrachloroethane
Concen: 42.796 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 83 Resp: 132755

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.4
85	64.0	32.1	96.3



Instrument :
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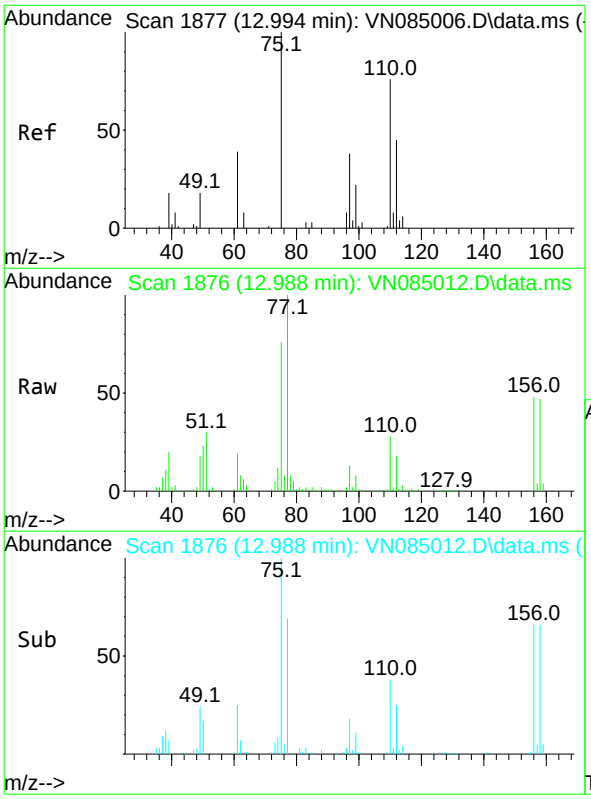
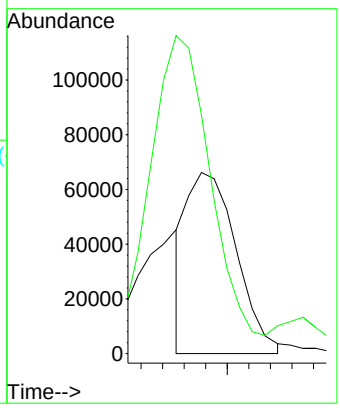
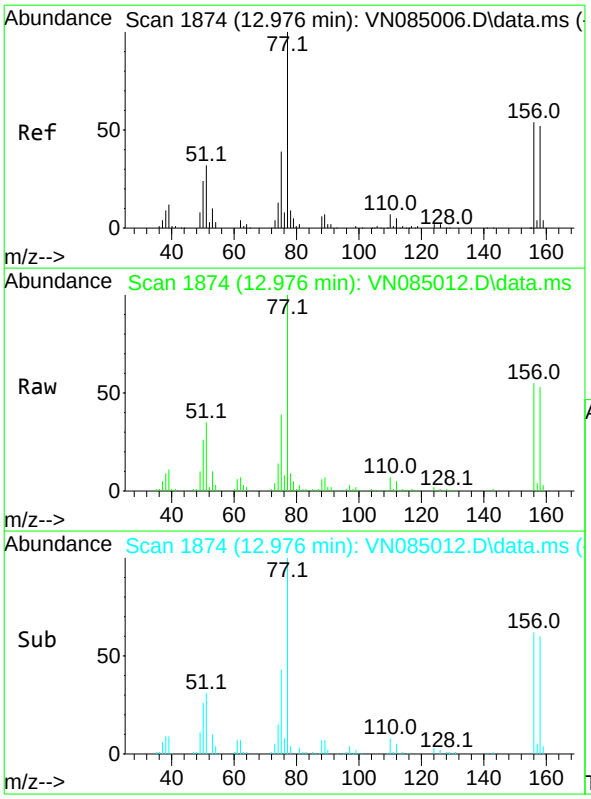


#76
1,2,3-Trichloropropane
Concen: 45.225 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 75 Resp: 105927

Ion	Ratio	Lower	Upper
75	100		
77	221.4	109.1	327.4

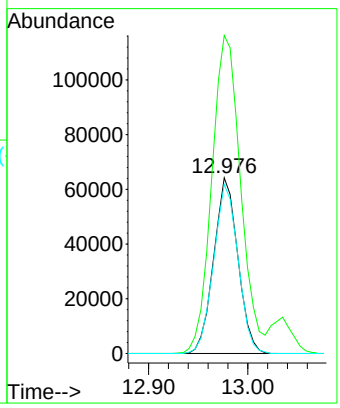




#77
Bromobenzene
Concen: 44.410 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:156 Resp: 108566

Ion	Ratio	Lower	Upper
156	100		
77	216.1	107.2	321.6
158	97.6	48.5	145.6



Instrument :
MSVOA_N
ClientSampleId :
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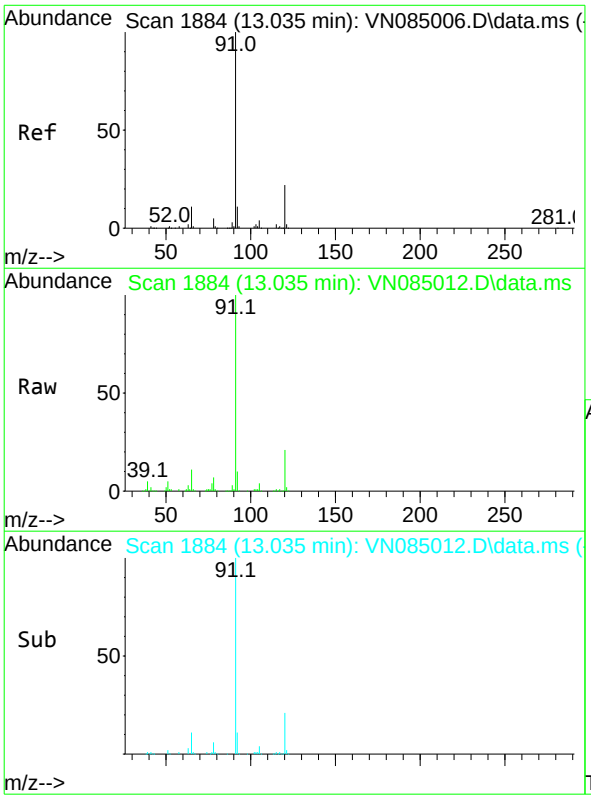
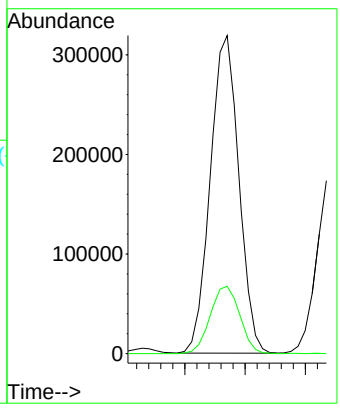
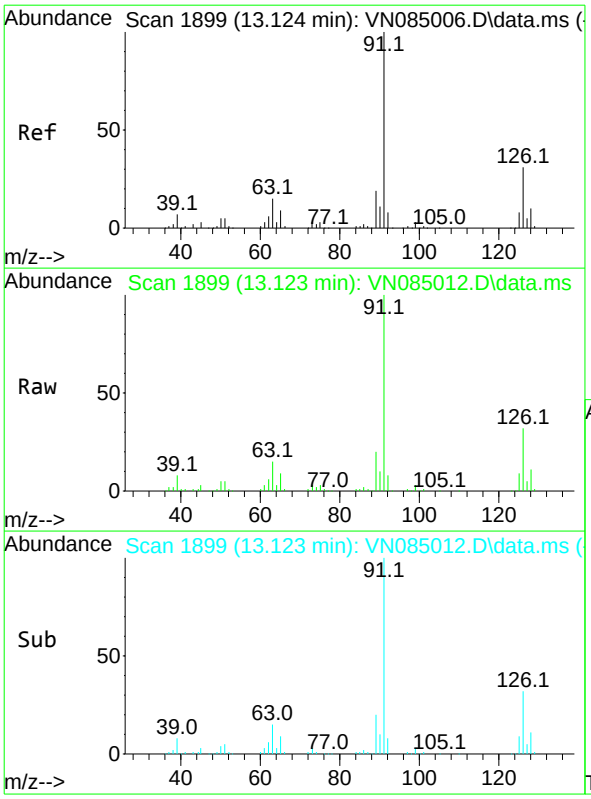


#78
n-propylbenzene
Concen: 50.160 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 91 Resp: 525567

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.3	33.9

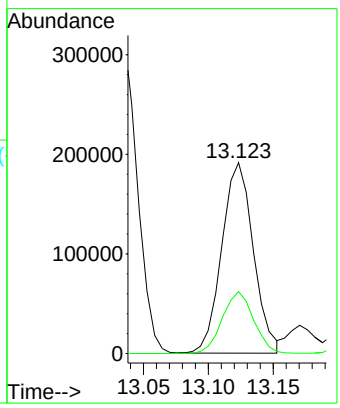




#79
2-Chlorotoluene
Concen: 46.409 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 91 Resp: 324611

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.3



Instrument :
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ClientSampleId :
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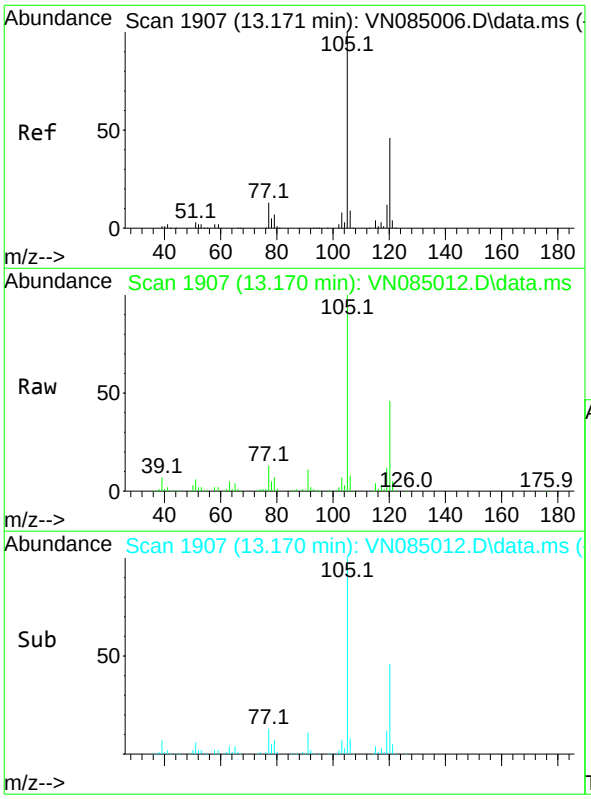
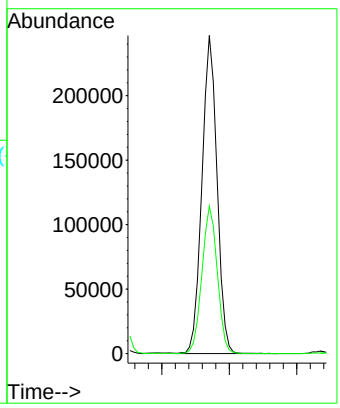
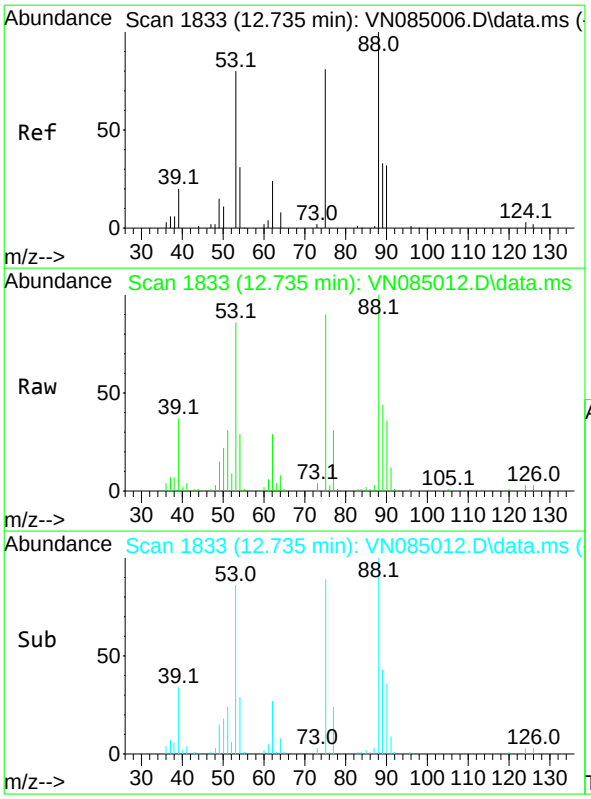


#80
1,3,5-Trimethylbenzene
Concen: 50.220 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:105 Resp: 382819

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.6	71.0

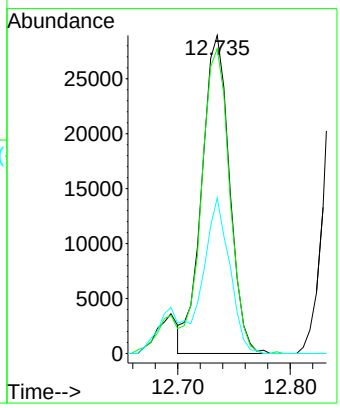




#81
trans-1,4-Dichloro-2-butene
Concen: 46.764 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 75 Resp: 49617

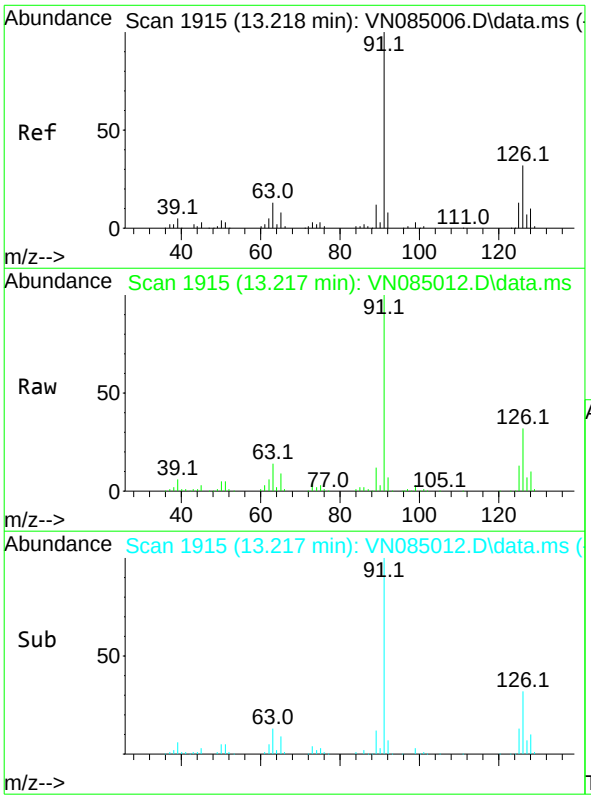
Ion	Ratio	Lower	Upper
75	100		
53	96.8	78.2	117.4
89	44.2	37.9	56.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Manual Integrations APPROVED

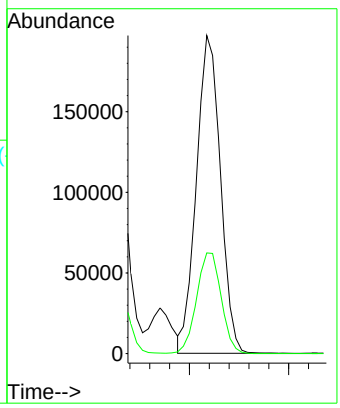
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

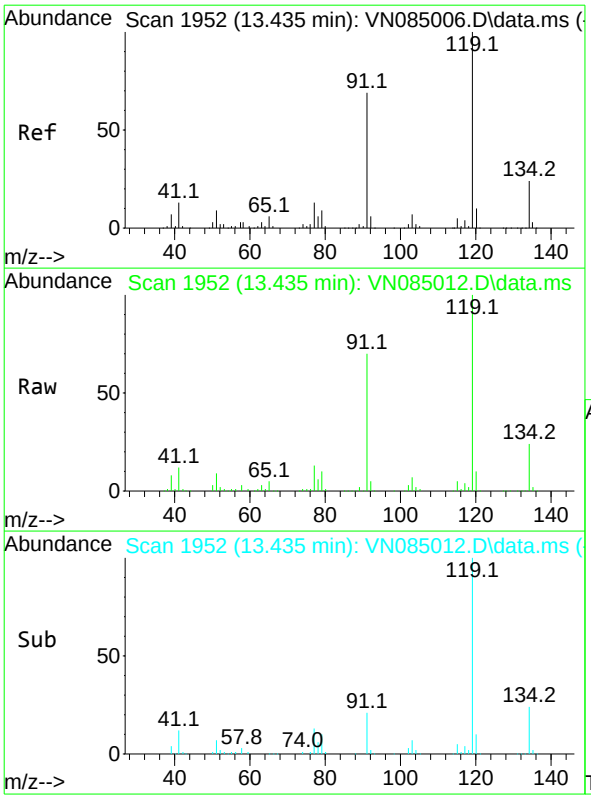


#82
4-Chlorotoluene
Concen: 45.496 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 91 Resp: 331271

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3

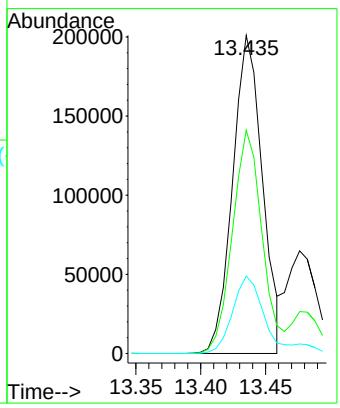




#83
tert-Butylbenzene
Concen: 48.939 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:119 Resp: 320979

Ion	Ratio	Lower	Upper
119	100		
91	70.2	35.1	105.5
134	27.2	12.1	36.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
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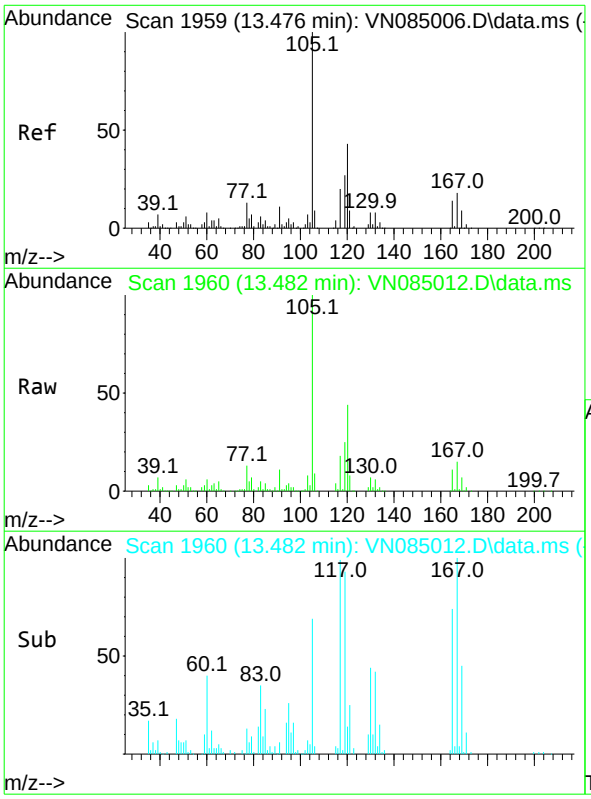
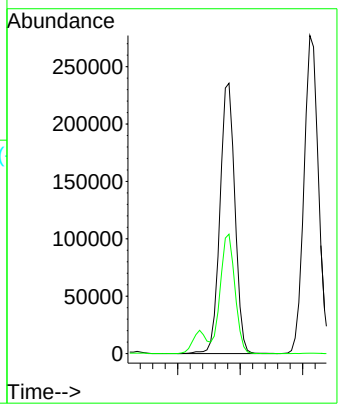
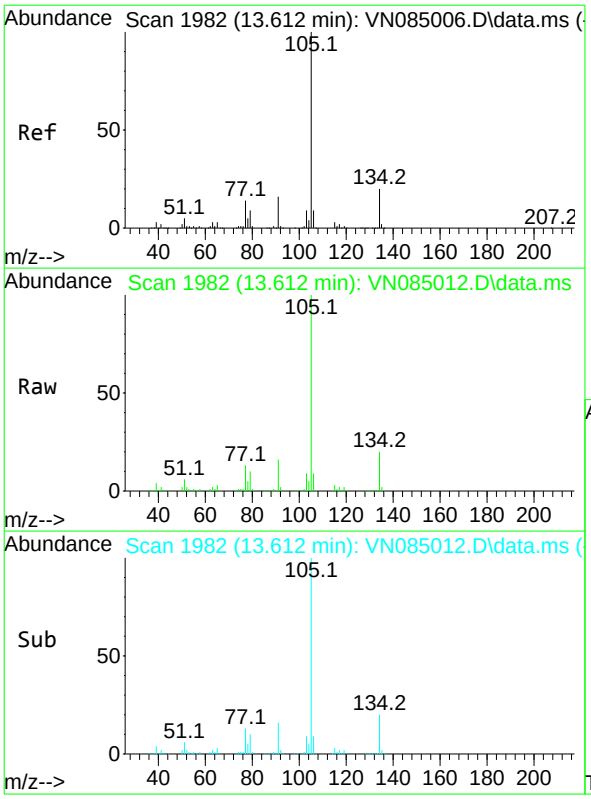


#84
1,2,4-Trimethylbenzene
Concen: 49.962 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:105 Resp: 392031

Ion	Ratio	Lower	Upper
105	100		
120	43.1	21.8	65.4

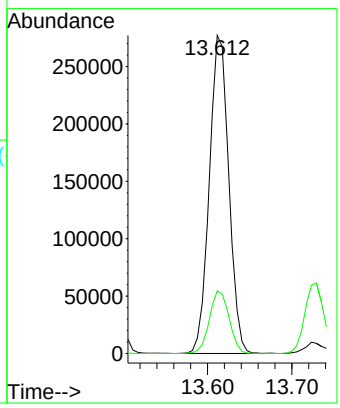




#85
sec-Butylbenzene
Concen: 50.166 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:105 Resp: 444471

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

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Reviewed By :John Carlone 11/25/2024
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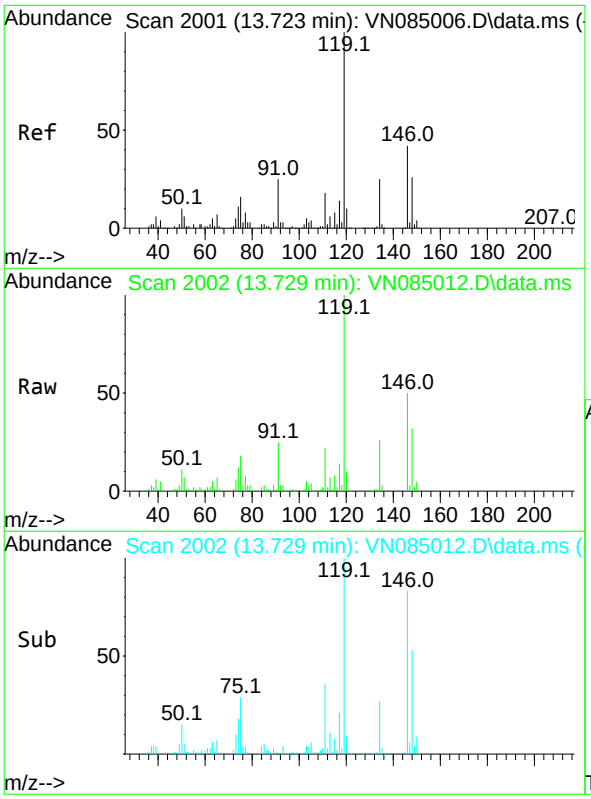
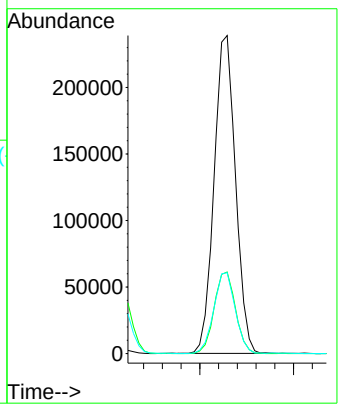
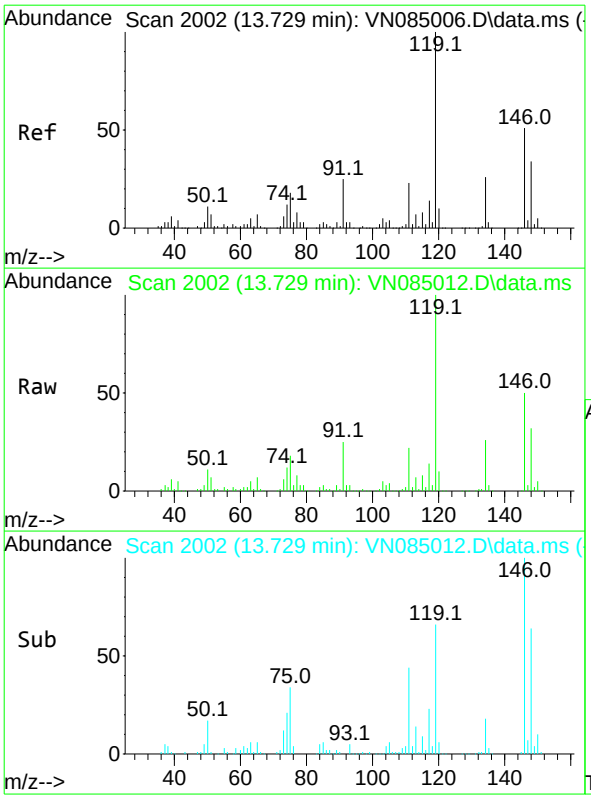


#86
p-Isopropyltoluene
Concen: 51.719 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:119 Resp: 378270

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	39.0
91	25.6	12.8	38.4

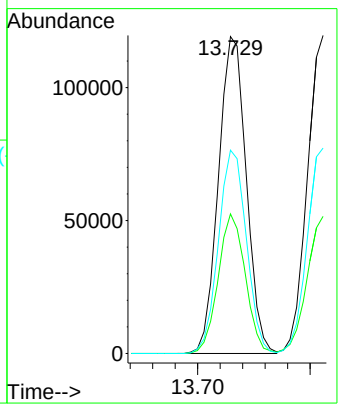




#87
1,3-Dichlorobenzene
Concen: 42.459 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:146 Resp: 204731

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.6	65.0
148	64.4	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

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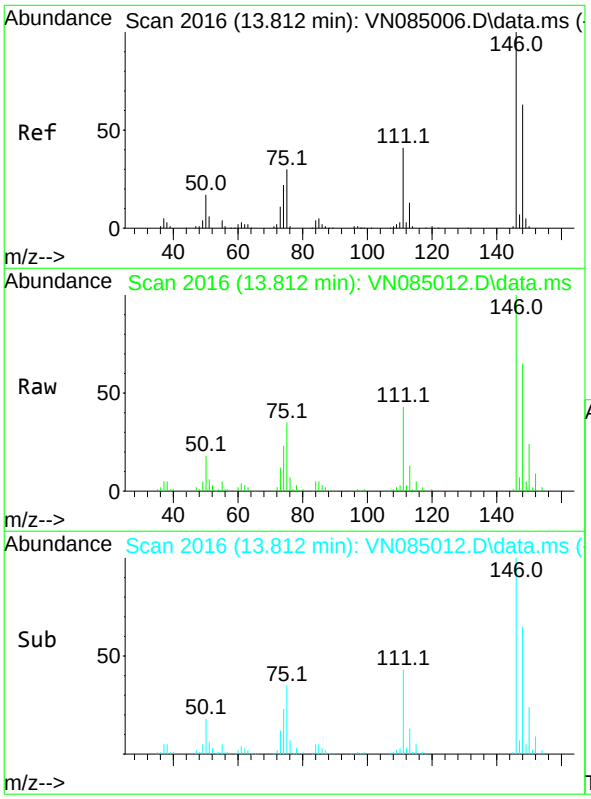
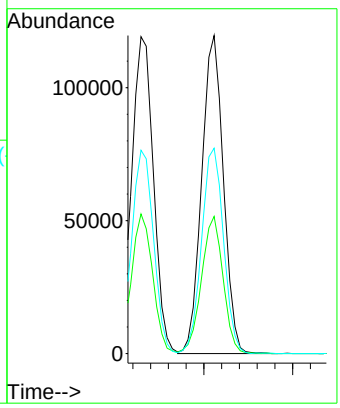
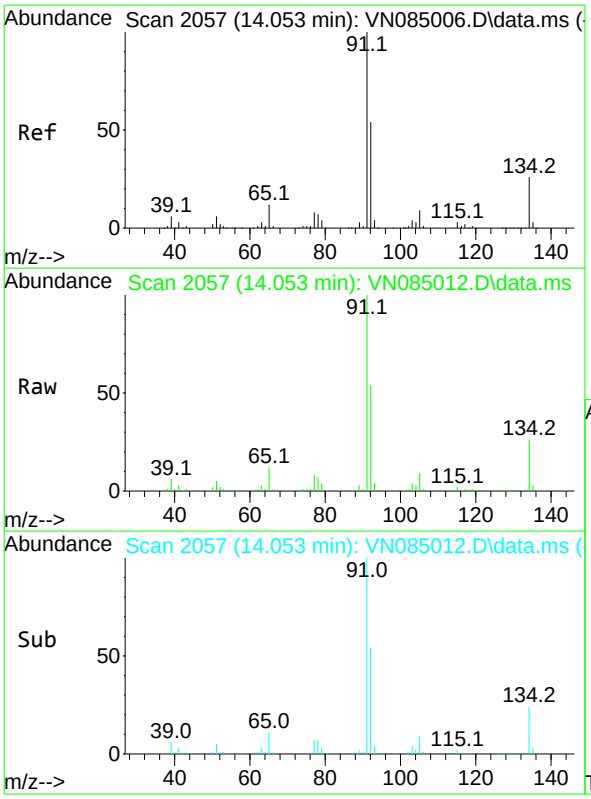


#88
1,4-Dichlorobenzene
Concen: 41.240 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:146 Resp: 202930

Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.9	62.8
148	65.1	31.3	93.9

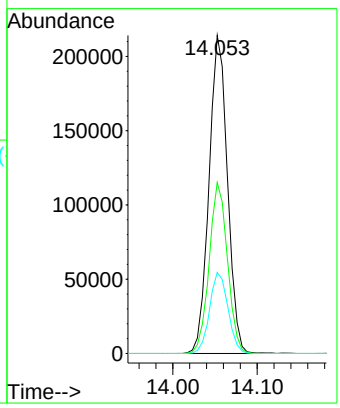




#89
n-Butylbenzene
Concen: 47.892 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 91 Resp: 325752

Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.8	80.3
134	25.4	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

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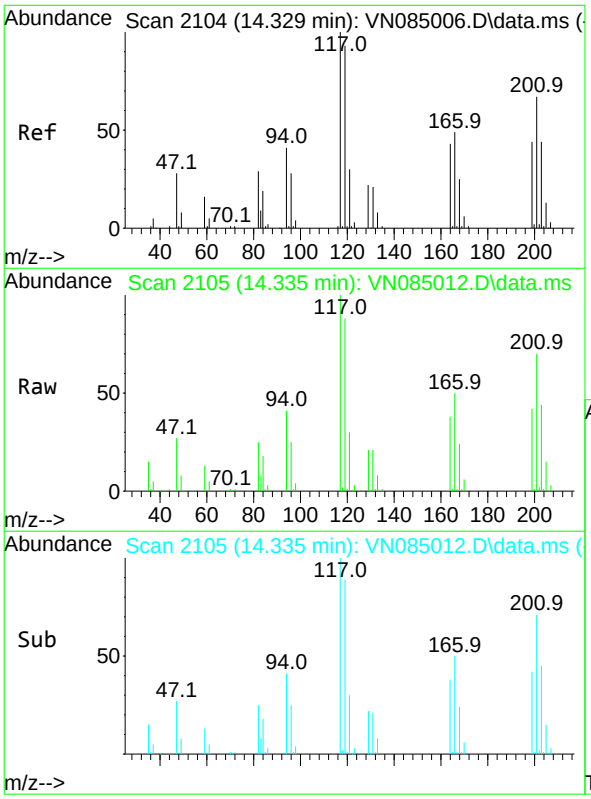
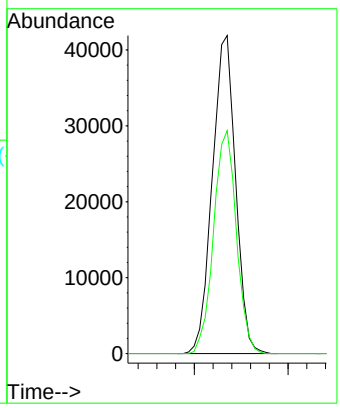
Supervised By :Mahesh Dadoda 11/25/2024

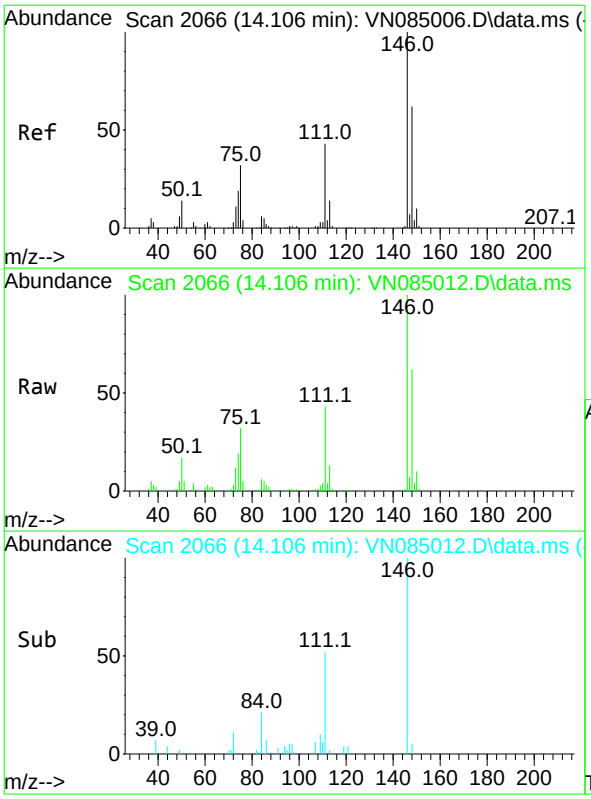


#90
Hexachloroethane
Concen: 45.332 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:117 Resp: 72271

Ion	Ratio	Lower	Upper
117	100		
201	68.7	35.2	105.6

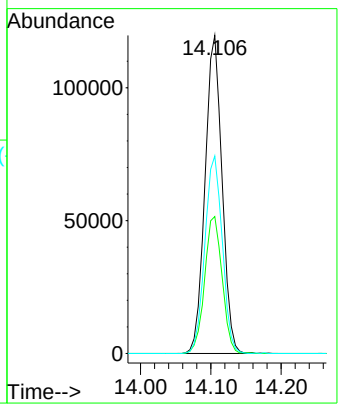




#91
1,2-Dichlorobenzene
Concen: 43.472 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:146 Resp: 200864

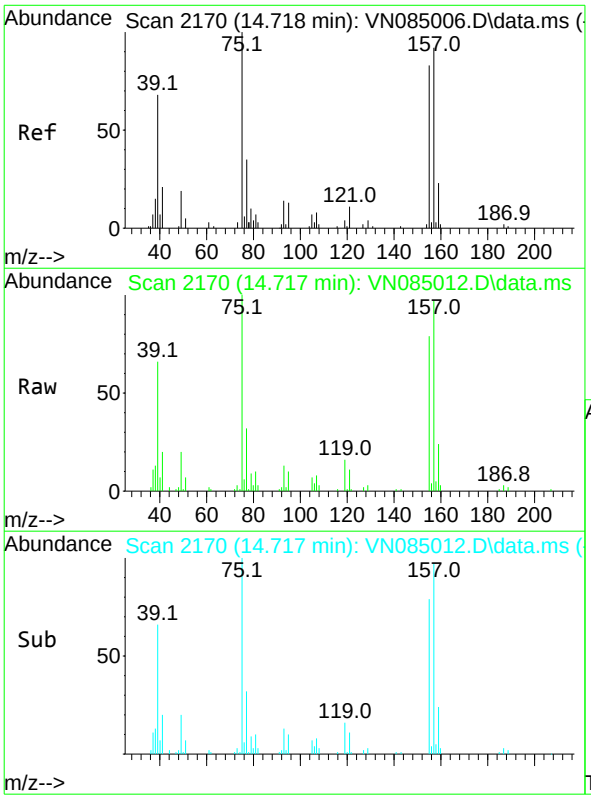
Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.9	65.8
148	63.7	31.1	93.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Manual Integrations APPROVED

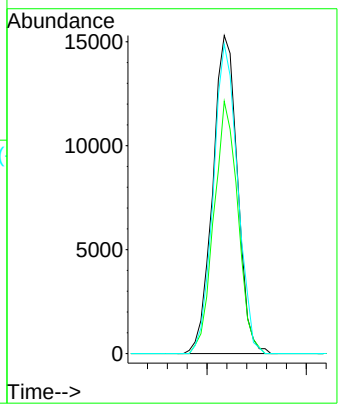
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

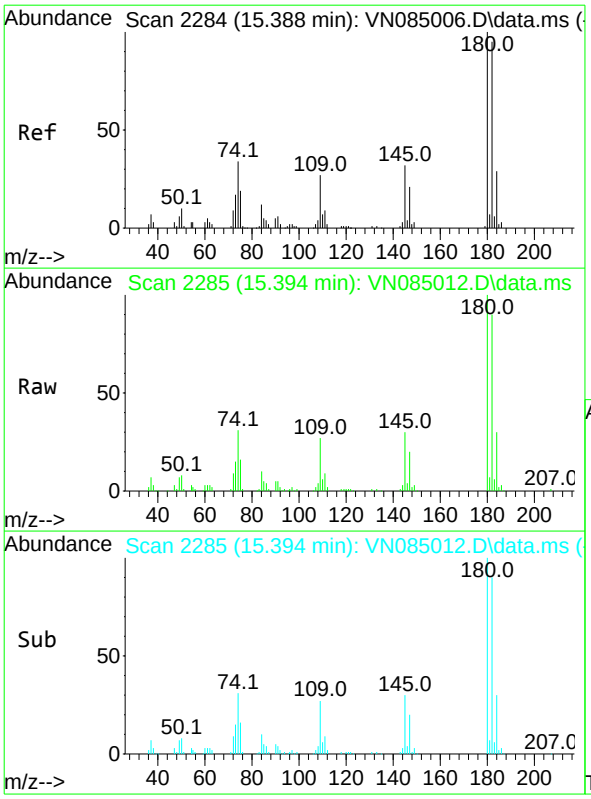


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.183 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 75 Resp: 26503

Ion	Ratio	Lower	Upper
75	100		
155	76.6	38.9	116.7
157	95.3	48.3	144.9

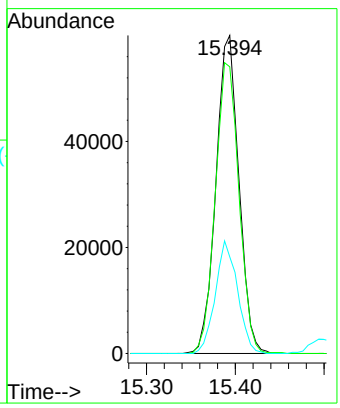




#93
1,2,4-Trichlorobenzene
Concen: 42.908 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:180 Resp: 107707

Ion	Ratio	Lower	Upper
180	100		
182	94.4	46.9	140.8
145	34.3	16.3	48.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Manual Integrations APPROVED

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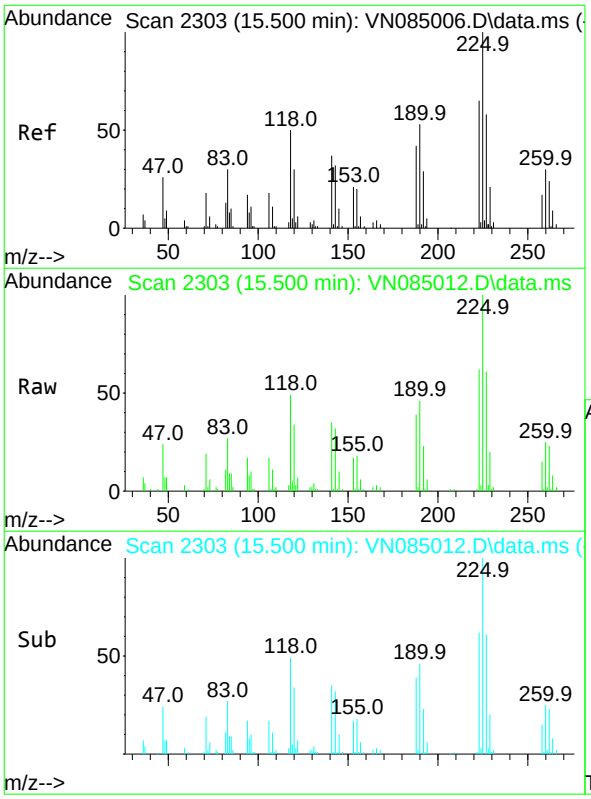
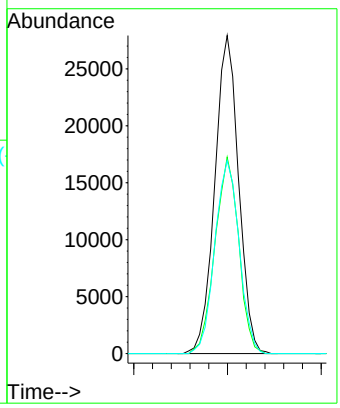
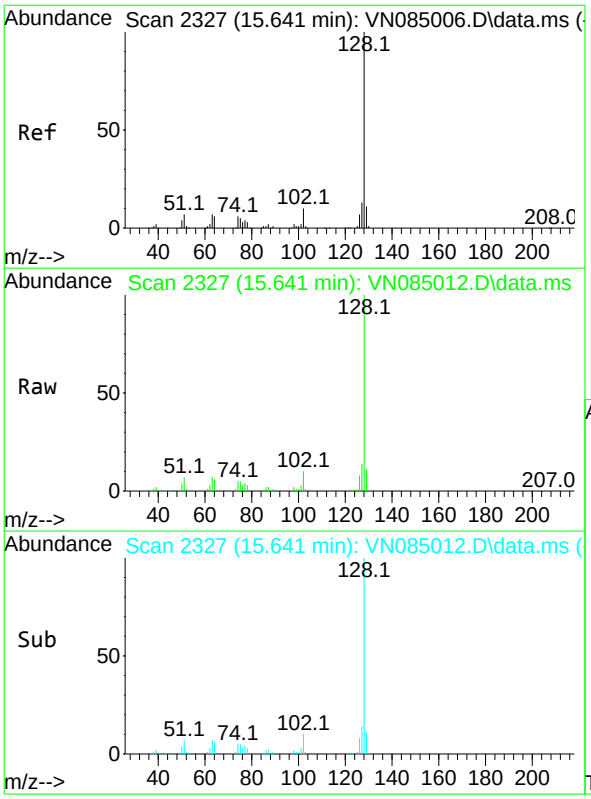


#94
Hexachlorobutadiene
Concen: 42.581 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:225 Resp: 49330

Ion	Ratio	Lower	Upper
225	100		
223	61.4	30.9	92.8
227	61.9	31.5	94.5





#95
Naphthalene
Concen: 46.067 ug/l
RT: 15.641 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

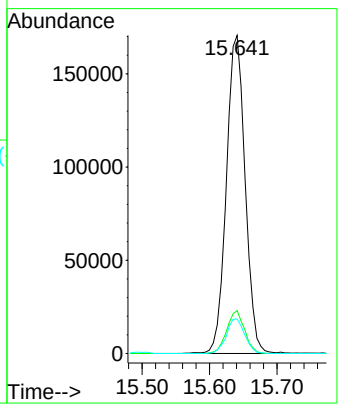
Tgt Ion:128 Resp: 329352

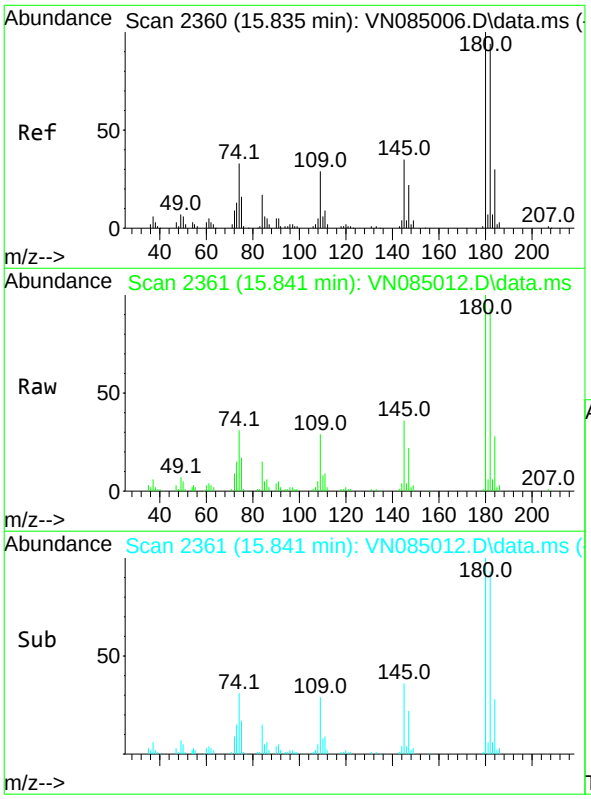
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.7	8.6	12.8

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

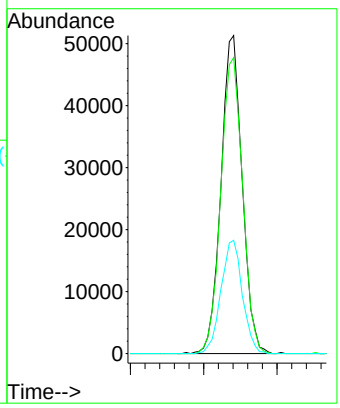




#96
1,2,3-Trichlorobenzene
Concen: 42.932 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:180 Resp: 102829

Ion	Ratio	Lower	Upper
180	100		
182	95.9	46.4	139.2
145	36.1	17.3	52.0



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Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	110	0.00
2	T	Dichlorodifluoromethane	0.565	0.527	6.7	104	0.00
3	P	Chloromethane	0.656	0.553	15.7	103	0.00
4	C	Vinyl Chloride	0.589	0.539	8.5#	103	0.00
5	T	Bromomethane	0.330	0.297	10.0	105	0.00
6	T	Chloroethane	0.397	0.330	16.9	96	0.01
7	T	Trichlorofluoromethane	1.002	0.921	8.1	105	0.02
8	T	Diethyl Ether	0.341	0.327	4.1	103	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.569	0.520	8.6	104	0.00
10	T	Methyl Iodide	0.753	0.708	6.0	105	0.00
11	T	Tert butyl alcohol	0.095	0.083	12.6	101	0.00
12	CM	1,1-Dichloroethene	0.531	0.495	6.8#	104	0.01
13	T	Acrolein	0.064	0.065	-1.6	103	0.00
14	T	Allyl chloride	0.895	0.844	5.7	105	0.00
15	T	Acrylonitrile	0.269	0.250	7.1	105	0.00
16	T	Acetone	0.207	0.210	-1.4	114	0.00
17	T	Carbon Disulfide	1.566	1.358	13.3	102	0.00
18	T	Methyl Acetate	0.804	0.618	23.1	104	0.00
19	T	Methyl tert-butyl Ether	1.734	1.685	2.8	105	0.00
20	T	Methylene Chloride	0.633	0.545	13.9	102	0.00
21	T	trans-1,2-Dichloroethene	0.558	0.512	8.2	101	0.00
22	T	Diisopropyl ether	1.801	1.703	5.4	106	0.00
23	T	Vinyl Acetate	1.242	1.230	1.0	105	0.00
24	P	1,1-Dichloroethane	1.078	0.984	8.7	103	0.00
25	T	2-Butanone	0.339	0.327	3.5	109	0.00
26	T	2,2-Dichloropropane	1.006	0.933	7.3	104	0.00
27	T	cis-1,2-Dichloroethene	0.673	0.614	8.8	103	0.00
28	T	Bromochloromethane	0.407	0.374	8.1	104	0.00
29	T	Tetrahydrofuran	0.211	0.204	3.3	105	0.00
30	C	Chloroform	1.146	1.046	8.7#	105	0.00
31	T	Cyclohexane	0.949	0.874	7.9	109	0.00
32	T	1,1,1-Trichloroethane	1.036	0.947	8.6	103	0.00
33	S	1,2-Dichloroethane-d4	0.712	0.720	-1.1	113	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	108	0.00
35	S	Dibromofluoromethane	0.337	0.348	-3.3	111	0.00
36	T	1,1-Dichloropropene	0.457	0.439	3.9	104	0.00
37	T	Ethyl Acetate	0.415	0.387	6.7	104	0.00
38	T	Carbon Tetrachloride	0.527	0.515	2.3	104	0.00
39	T	Methylcyclohexane	0.475	0.495	-4.2	106	0.00
40	TM	Benzene	1.444	1.377	4.6	105	0.00
41	T	Methacrylonitrile	0.230	0.227	1.3	106	0.00
42	TM	1,2-Dichloroethane	0.494	0.465	5.9	105	0.00
43	T	Isopropyl Acetate	0.862	0.717	16.8	103	0.00
44	TM	Trichloroethene	0.336	0.317	5.7	105	0.00
45	C	1,2-Dichloropropane	0.356	0.335	5.9#	104	0.00
46	T	Dibromomethane	0.247	0.237	4.0	105	0.00
47	T	Bromodichloromethane	0.524	0.499	4.8	103	0.00
48	T	Methyl methacrylate	0.321	0.327	-1.9	108	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.005	16.7	98	0.00
50	S	Toluene-d8	1.208	1.293	-7.0	112	0.00
51	T	4-Methyl-2-Pentanone	0.394	0.397	-0.8	106	0.00
52	CM	Toluene	0.855	0.850	0.6#	104	0.00
53	T	t-1,3-Dichloropropene	0.525	0.514	2.1	101	0.00
54	T	cis-1,3-Dichloropropene	0.557	0.558	-0.2	105	0.00
55	T	1,1,2-Trichloroethane	0.319	0.314	1.6	106	0.00
56	T	Ethyl methacrylate	0.465	0.509	-9.5	106	0.00
57	T	1,3-Dichloropropane	0.561	0.538	4.1	104	0.00
58	T	2-Chloroethyl Vinyl ether	0.228	0.215	5.7	86	0.00
59	T	2-Hexanone	0.295	0.303	-2.7	105	0.00
60	T	Dibromochloromethane	0.389	0.371	4.6	104	0.00
61	T	1,2-Dibromoethane	0.330	0.322	2.4	106	0.00
62	S	4-Bromofluorobenzene	0.452	0.482	-6.6	111	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	109	0.00
64	T	Tetrachloroethene	0.337	0.326	3.3	109	0.00
65	PM	Chlorobenzene	1.134	1.042	8.1	105	0.00
66	T	1,1,1,2-Tetrachloroethane	0.399	0.375	6.0	103	0.00
67	C	Ethyl Benzene	1.840	1.878	-2.1#	106	0.00
68	T	m/p-Xylenes	0.700	0.714	-2.0	106	0.00
69	T	o-Xylene	0.666	0.681	-2.3	105	0.00
70	T	Styrene	1.108	1.168	-5.4	107	0.00
71	P	Bromoform	0.296	0.288	2.7	102	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	112	0.00
73	T	Isopropylbenzene	3.527	3.458	2.0	107	0.00
74	T	N-amyl acetate	1.454	1.437	1.2	104	0.00
75	P	1,1,2,2-Tetrachloroethane	1.204	1.031	14.4	105	0.00
76	T	1,2,3-Trichloropropane	0.909	0.823	9.5	103	0.00
77	T	Bromobenzene	0.949	0.843	11.2	103	0.00
78	T	n-propylbenzene	4.068	4.081	-0.3	108	0.00
79	T	2-Chlorotoluene	2.716	2.521	7.2	106	0.00
80	T	1,3,5-Trimethylbenzene	2.960	2.973	-0.4	106	0.00
81	T	trans-1,4-Dichloro-2-butene	0.412	0.385	6.6	106	0.00
82	T	4-Chlorotoluene	2.827	2.573	9.0	104	0.00
83	T	tert-Butylbenzene	2.547	2.493	2.1	107	0.00
84	T	1,2,4-Trimethylbenzene	3.047	3.044	0.1	106	0.00
85	T	sec-Butylbenzene	3.440	3.452	-0.3	106	0.00
86	T	p-Isopropyltoluene	2.840	2.938	-3.5	107	0.00
87	T	1,3-Dichlorobenzene	1.872	1.590	15.1	104	0.00
88	T	1,4-Dichlorobenzene	1.911	1.576	17.5	101	0.00
89	T	n-Butylbenzene	2.641	2.530	4.2	107	0.00
90	T	Hexachloroethane	0.619	0.561	9.4	104	0.00
91	T	1,2-Dichlorobenzene	1.794	1.560	13.0	104	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.206	11.6	106	0.00
93	T	1,2,4-Trichlorobenzene	0.975	0.836	14.3	104	0.00
94	T	Hexachlorobutadiene	0.450	0.383	14.9	107	0.00
95	T	Naphthalene	2.776	2.558	7.9	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.930	0.799	14.1	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	110	0.00
2	T	Dichlorodifluoromethane	50.000	46.612	6.8	104	0.00
3	P	Chloromethane	50.000	42.164	15.7	103	0.00
4	C	Vinyl Chloride	50.000	45.721	8.6#	103	0.00
5	T	Bromomethane	50.000	44.945	10.1	105	0.00
6	T	Chloroethane	50.000	41.527	16.9	96	0.01
7	T	Trichlorofluoromethane	50.000	45.916	8.2	105	0.02
8	T	Diethyl Ether	50.000	47.942	4.1	103	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	45.709	8.6	104	0.00
10	T	Methyl Iodide	50.000	47.063	5.9	105	0.00
11	T	Tert butyl alcohol	250.000	216.857	13.3	101	0.00
12	CM	1,1-Dichloroethene	50.000	46.677	6.6#	104	0.01
13	T	Acrolein	250.000	256.710	-2.7	103	0.00
14	T	Allyl chloride	50.000	47.178	5.6	105	0.00
15	T	Acrylonitrile	250.000	232.029	7.2	105	0.00
16	T	Acetone	250.000	252.665	-1.1	114	0.00
17	T	Carbon Disulfide	50.000	43.362	13.3	102	0.00
18	T	Methyl Acetate	50.000	46.500	7.0	104	0.00
19	T	Methyl tert-butyl Ether	50.000	48.602	2.8	105	0.00
20	T	Methylene Chloride	50.000	43.090	13.8	102	0.00
21	T	trans-1,2-Dichloroethene	50.000	45.805	8.4	101	0.00
22	T	Diisopropyl ether	50.000	47.281	5.4	106	0.00
23	T	Vinyl Acetate	250.000	247.560	1.0	105	0.00
24	P	1,1-Dichloroethane	50.000	45.647	8.7	103	0.00
25	T	2-Butanone	250.000	240.802	3.7	109	0.00
26	T	2,2-Dichloropropane	50.000	46.349	7.3	104	0.00
27	T	cis-1,2-Dichloroethene	50.000	45.609	8.8	103	0.00
28	T	Bromochloromethane	50.000	45.913	8.2	104	0.00
29	T	Tetrahydrofuran	250.000	241.241	3.5	105	0.00
30	C	Chloroform	50.000	45.623	8.8#	105	0.00
31	T	Cyclohexane	50.000	46.084	7.8	109	0.00
32	T	1,1,1-Trichloroethane	50.000	45.714	8.6	103	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.568	-1.1	113	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	108	0.00
35	S	Dibromofluoromethane	50.000	51.572	-3.1	111	0.00
36	T	1,1-Dichloropropene	50.000	48.093	3.8	104	0.00
37	T	Ethyl Acetate	50.000	46.651	6.7	104	0.00
38	T	Carbon Tetrachloride	50.000	48.846	2.3	104	0.00
39	T	Methylcyclohexane	50.000	52.114	-4.2	106	0.00
40	TM	Benzene	50.000	47.675	4.7	105	0.00
41	T	Methacrylonitrile	50.000	49.311	1.4	106	0.00
42	TM	1,2-Dichloroethane	50.000	47.025	6.0	105	0.00
43	T	Isopropyl Acetate	50.000	41.574	16.9	103	0.00
44	TM	Trichloroethene	50.000	47.205	5.6	105	0.00
45	C	1,2-Dichloropropane	50.000	47.073	5.9#	104	0.00
46	T	Dibromomethane	50.000	47.909	4.2	105	0.00
47	T	Bromodichloromethane	50.000	47.631	4.7	103	0.00
48	T	Methyl methacrylate	50.000	50.900	-1.8	108	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	950.585	4.9	98	0.00
50	S	Toluene-d8	50.000	53.488	-7.0	112	0.00
51	T	4-Methyl-2-Pentanone	250.000	251.720	-0.7	106	0.00
52	CM	Toluene	50.000	49.682	0.6#	104	0.00
53	T	t-1,3-Dichloropropene	50.000	48.881	2.2	101	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.100	-0.2	105	0.00
55	T	1,1,2-Trichloroethane	50.000	49.287	1.4	106	0.00
56	T	Ethyl methacrylate	50.000	54.694	-9.4	106	0.00
57	T	1,3-Dichloropropane	50.000	47.980	4.0	104	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	235.323	5.9	86	0.00
59	T	2-Hexanone	250.000	256.983	-2.8	105	0.00
60	T	Dibromochloromethane	50.000	47.650	4.7	104	0.00
61	T	1,2-Dibromoethane	50.000	48.883	2.2	106	0.00
62	S	4-Bromofluorobenzene	50.000	53.276	-6.6	111	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	109	0.00
64	T	Tetrachloroethene	50.000	48.316	3.4	109	0.00
65	PM	Chlorobenzene	50.000	45.936	8.1	105	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	46.991	6.0	103	0.00
67	C	Ethyl Benzene	50.000	51.046	-2.1#	106	0.00
68	T	m/p-Xylenes	100.000	101.951	-2.0	106	0.00
69	T	o-Xylene	50.000	51.086	-2.2	105	0.00
70	T	Styrene	50.000	52.687	-5.4	107	0.00
71	P	Bromoform	50.000	48.617	2.8	102	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	112	0.00
73	T	Isopropylbenzene	50.000	49.014	2.0	107	0.00
74	T	N-amyl acetate	50.000	49.418	1.2	104	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	42.796	14.4	105	0.00
76	T	1,2,3-Trichloropropane	50.000	45.225	9.5	103	0.00
77	T	Bromobenzene	50.000	44.410	11.2	103	0.00
78	T	n-propylbenzene	50.000	50.160	-0.3	108	0.00
79	T	2-Chlorotoluene	50.000	46.409	7.2	106	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.220	-0.4	106	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	46.764	6.5	106	0.00
82	T	4-Chlorotoluene	50.000	45.496	9.0	104	0.00
83	T	tert-Butylbenzene	50.000	48.939	2.1	107	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.962	0.1	106	0.00
85	T	sec-Butylbenzene	50.000	50.166	-0.3	106	0.00
86	T	p-Isopropyltoluene	50.000	51.719	-3.4	107	0.00
87	T	1,3-Dichlorobenzene	50.000	42.459	15.1	104	0.00
88	T	1,4-Dichlorobenzene	50.000	41.240	17.5	101	0.00
89	T	n-Butylbenzene	50.000	47.892	4.2	107	0.00
90	T	Hexachloroethane	50.000	45.332	9.3	104	0.00
91	T	1,2-Dichlorobenzene	50.000	43.472	13.1	104	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	44.183	11.6	106	0.00
93	T	1,2,4-Trichlorobenzene	50.000	42.908	14.2	104	0.00
94	T	Hexachlorobutadiene	50.000	42.581	14.8	107	0.00
95	T	Naphthalene	50.000	46.067	7.9	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	42.932	14.1	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: P5117 SAS No.: P5117 SDG No.: P5117

Instrument ID: MSVOA_N Calibration Date/Time: 12/09/2024 10:32

Lab File ID: VN085142.D Init. Calib. Date(s): 11/22/2024 11/22/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:22 13:45

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.589	0.495		-15.96	20
1,1-Dichloroethene	0.531	0.486		-8.48	20
2-Butanone	0.339	0.351		3.54	20
Carbon Tetrachloride	0.527	0.559		6.07	20
Chloroform	1.146	1.087		-5.15	20
Benzene	1.445	1.457		0.9	20
1,2-Dichloroethane	0.494	0.498		0.81	20
Trichloroethene	0.336	0.347		3.27	20
Tetrachloroethene	0.337	0.355		5.34	20
Chlorobenzene	1.134	1.124	0.3	-0.88	20
1,2-Dichloroethane-d4	0.712	0.678		-4.78	20
Dibromofluoromethane	0.337	0.350		3.86	20
Toluene-d8	1.208	1.232		1.99	20
4-Bromofluorobenzene	0.452	0.465		2.88	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085142.D
Acq On : 09 Dec 2024 10:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 10 04:56:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	169304	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	265126	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	235660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	120023	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114719	47.569	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.140%			
35) Dibromofluoromethane	8.165	113	92766	51.885	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.760%			
50) Toluene-d8	10.565	98	326526	50.960	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.920%			
62) 4-Bromofluorobenzene	12.847	95	123192	51.412	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	74077	38.695	ug/l	98
3) Chloromethane	2.359	50	80185	36.113	ug/l	97
4) Vinyl Chloride	2.512	62	83740	41.966	ug/l	97
5) Bromomethane	2.942	94	53457	47.797	ug/l	91
6) Chloroethane	3.118	64	59690	44.380	ug/l	100
7) Trichlorofluoromethane	3.495	101	155891	45.926	ug/l	99
8) Diethyl Ether	3.959	74	54603	47.263	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	91050	47.294	ug/l	97
10) Methyl Iodide	4.583	142	89363	35.067	ug/l	97
11) Tert butyl alcohol	5.518	59	76683	237.948	ug/l	96
12) 1,1-Dichloroethene	4.342	96	82362	45.833	ug/l	99
13) Acrolein	4.177	56	64513	300.005	ug/l	97
14) Allyl chloride	5.018	41	117645	38.835	ug/l	92
15) Acrylonitrile	5.712	53	221719	243.009	ug/l	100
16) Acetone	4.424	43	203220	289.341	ug/l	96
17) Carbon Disulfide	4.706	76	226138	42.635	ug/l	98
18) Methyl Acetate	5.018	43	108094	48.108	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	282616	48.135	ug/l	100
20) Methylene Chloride	5.271	84	95322	44.476	ug/l	99
21) trans-1,2-Dichloroethene	5.789	96	87778	46.418	ug/l	96
22) Diisopropyl ether	6.665	45	281466	46.165	ug/l	98
23) Vinyl Acetate	6.600	43	1037308	246.613	ug/l	100
24) 1,1-Dichloroethane	6.565	63	169467	46.447	ug/l	98
25) 2-Butanone	7.477	43	297377	258.973	ug/l	97
26) 2,2-Dichloropropane	7.489	77	159044	46.682	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	105165	46.131	ug/l	99
28) Bromochloromethane	7.812	49	63733	46.274	ug/l	95
29) Tetrahydrofuran	7.836	42	184053	257.747	ug/l	98
30) Chloroform	7.965	83	183970	47.401	ug/l	100
31) Cyclohexane	8.253	56	140953	43.877	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	165151	47.089	ug/l	98
36) 1,1-Dichloropropene	8.365	75	123613	51.043	ug/l	99
37) Ethyl Acetate	7.559	43	116196	52.778	ug/l	98
38) Carbon Tetrachloride	8.359	117	148269	53.041	ug/l	96
39) Methylcyclohexane	9.600	83	131927	52.424	ug/l	97
40) Benzene	8.606	78	386295	50.434	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085142.D
Acq On : 09 Dec 2024 10:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 10 04:56:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	62238	51.058	ug/l		96
42) 1,2-Dichloroethane	8.671	62	132099	50.412	ug/l		99
43) Isopropyl Acetate	8.688	43	196670	43.006	ug/l		97
44) Trichloroethene	9.347	130	91956	51.660	ug/l		94
45) 1,2-Dichloropropane	9.618	63	92953	49.272	ug/l		93
46) Dibromomethane	9.706	93	67996	51.870	ug/l		98
47) Bromodichloromethane	9.888	83	145741	52.456	ug/l		97
48) Methyl methacrylate	9.677	41	91470	53.750	ug/l		98
49) 1,4-Dioxane	9.694	88	37193	1260.284	ug/l	#	92
51) 4-Methyl-2-Pentanone	10.441	43	608624	291.377	ug/l		99
52) Toluene	10.630	92	245225	54.081	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	143697	51.589	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	153615	51.984	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	91610	54.241	ug/l		98
56) Ethyl methacrylate	10.871	69	145017	58.759	ug/l		98
57) 1,3-Dichloropropane	11.165	76	154792	52.074	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	312633	258.243	ug/l		100
59) 2-Hexanone	11.194	43	467460	299.229	ug/l		100
60) Dibromochloromethane	11.359	129	114019	55.238	ug/l		99
61) 1,2-Dibromoethane	11.465	107	93195	53.317	ug/l		97
64) Tetrachloroethene	11.100	164	83557	52.620	ug/l		97
65) Chlorobenzene	11.888	112	264819	49.550	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	96896	51.493	ug/l		99
67) Ethyl Benzene	11.959	91	466309	53.779	ug/l		99
68) m/p-Xylenes	12.071	106	362598	109.841	ug/l		100
69) o-Xylene	12.394	106	169397	53.945	ug/l		100
70) Styrene	12.412	104	301784	57.790	ug/l		98
71) Bromoform	12.576	173	79256	56.742	ug/l	#	100
73) Isopropylbenzene	12.694	105	441629	52.158	ug/l		100
74) N-amyl acetate	12.494	43	176132	50.480	ug/l		95
75) 1,1,2,2-Tetrachloroethane	12.935	83	134339	46.462	ug/l		98
76) 1,2,3-Trichloropropane	12.988	75	109621m	50.213	ug/l		
77) Bromobenzene	12.976	156	109596	48.098	ug/l		99
78) n-propylbenzene	13.035	91	528037	54.068	ug/l		99
79) 2-Chlorotoluene	13.123	91	319326	48.981	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	387163	54.491	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	49298m	49.850	ug/l		
82) 4-Chlorotoluene	13.218	91	331046	48.778	ug/l		99
83) tert-Butylbenzene	13.435	119	310870	50.852	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	387968	53.047	ug/l		100
85) sec-Butylbenzene	13.612	105	447037	54.132	ug/l		99
86) p-Isopropyltoluene	13.729	119	379947	55.734	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	202457	45.047	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	202736	44.203	ug/l		98
89) n-Butylbenzene	14.053	91	317319	50.053	ug/l		99
90) Hexachloroethane	14.329	117	74535	50.159	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	190711	44.283	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26256	46.961	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	98579	42.133	ug/l		99
94) Hexachlorobutadiene	15.500	225	46941	43.472	ug/l		98
95) Naphthalene	15.641	128	299742	44.981	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	97267	43.570	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085142.D
Acq On : 09 Dec 2024 10:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 10 04:56:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

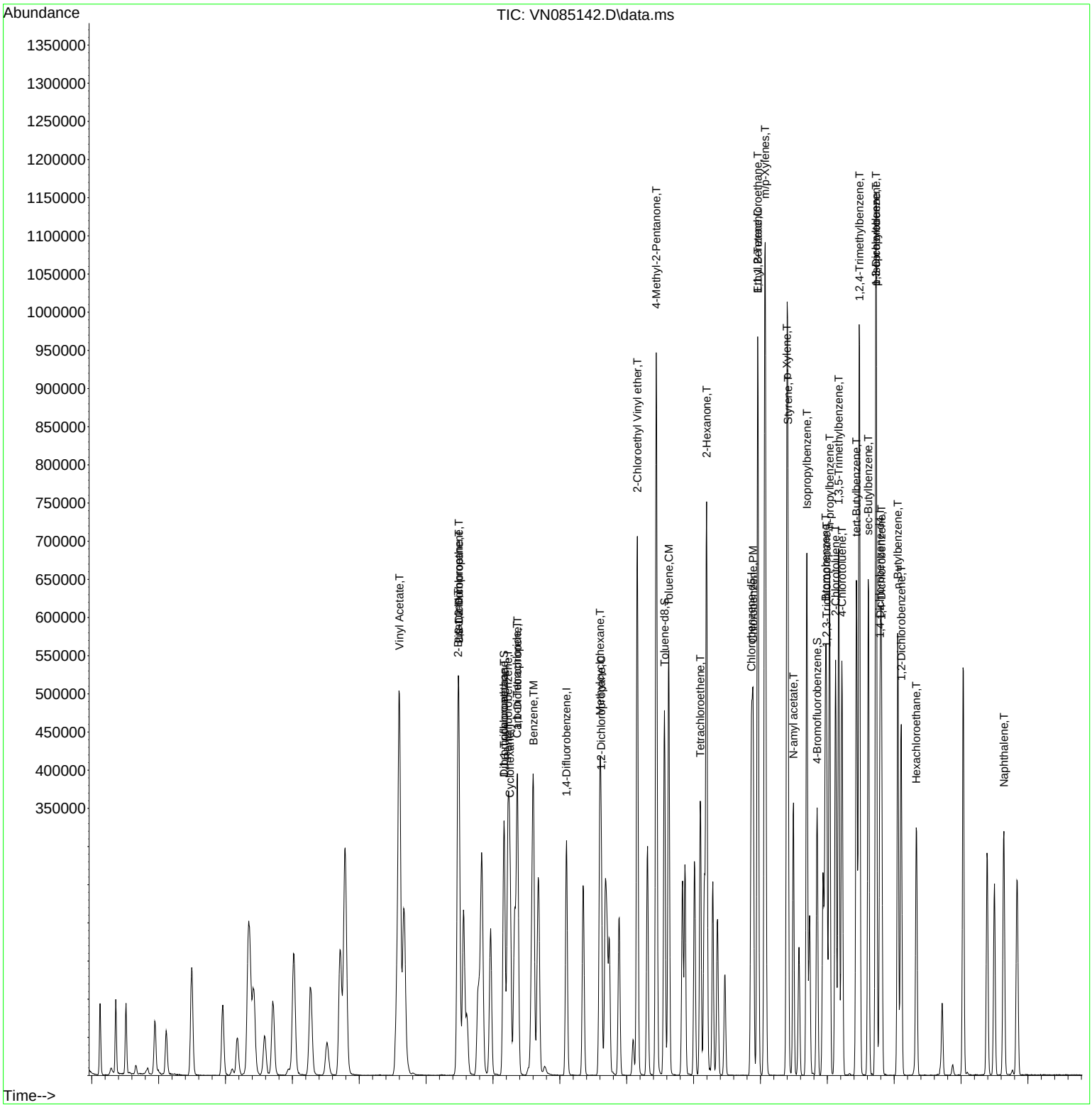
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085142.D
Acq On : 09 Dec 2024 10:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

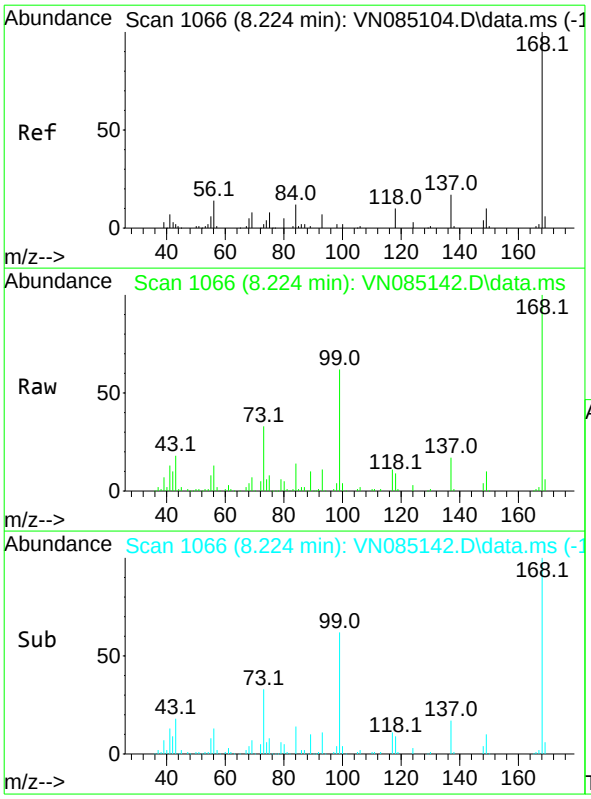
Quant Time: Dec 10 04:56:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

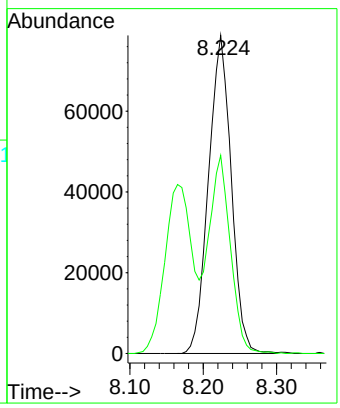




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:168 Resp: 169304

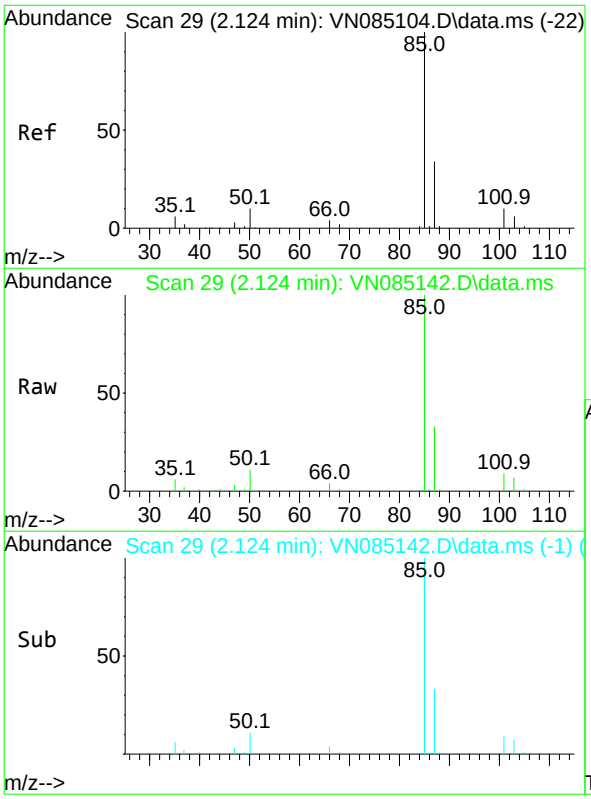
Ion	Ratio	Lower	Upper
168	100		
99	62.3	51.2	76.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

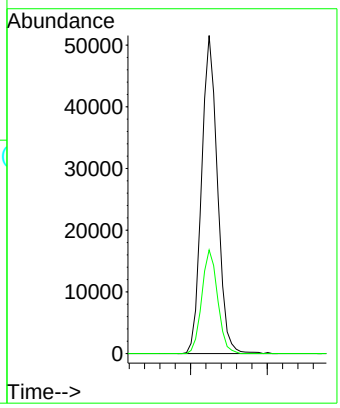
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

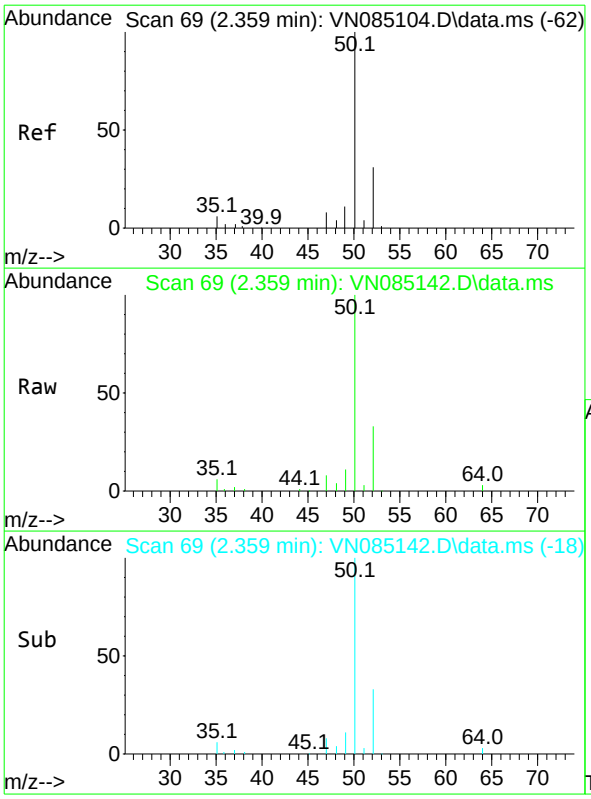


#2
Dichlorodifluoromethane
Concen: 38.695 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 85 Resp: 74077

Ion	Ratio	Lower	Upper
85	100		
87	32.6	15.7	47.1

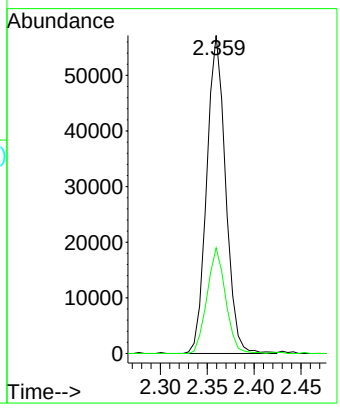




#3
Chloromethane
Concen: 36.113 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 50 Resp: 80185

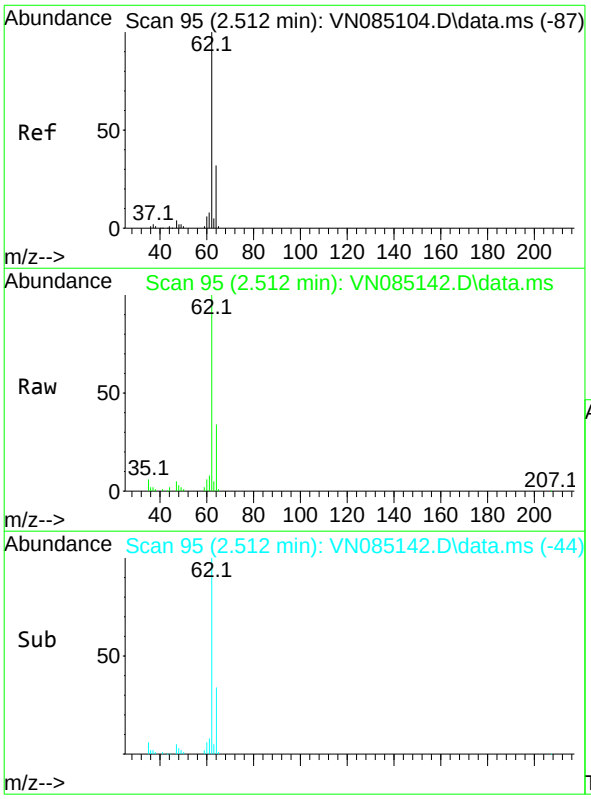
Ion	Ratio	Lower	Upper
50	100		
52	33.2	27.8	41.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

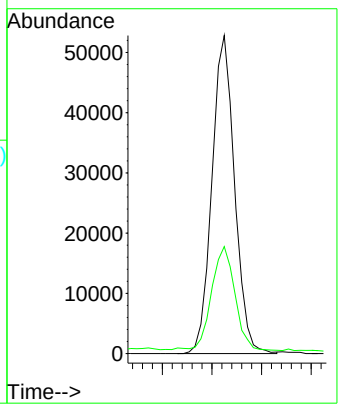
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

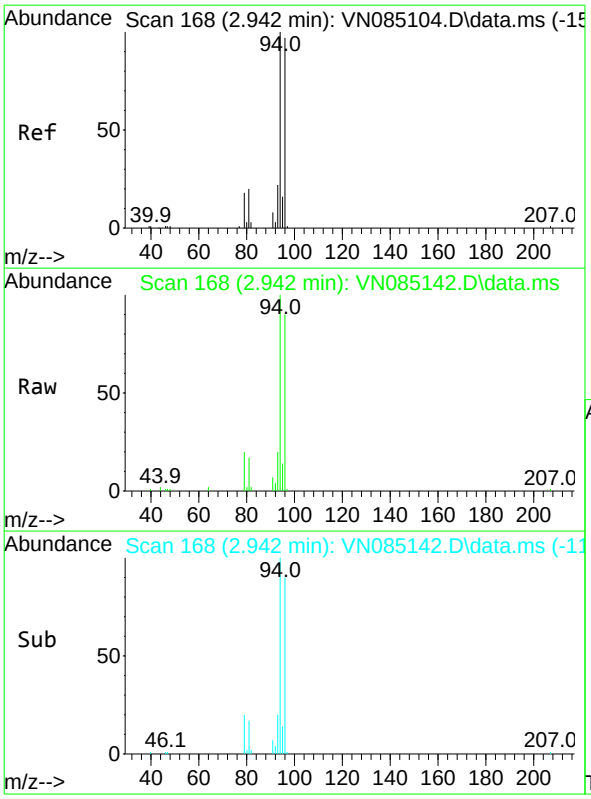


#4
Vinyl Chloride
Concen: 41.966 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 62 Resp: 83740

Ion	Ratio	Lower	Upper
62	100		
64	32.6	24.6	36.8

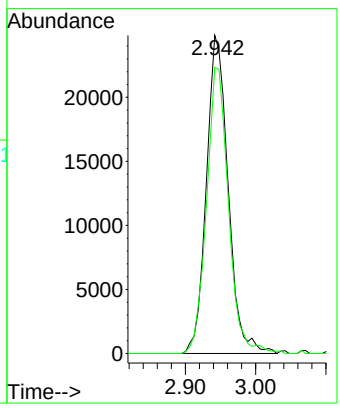




#5
Bromomethane
Concen: 47.797 ug/l
RT: 2.942 min Scan# 16
Delta R.T. 0.041 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 94 Resp: 53457

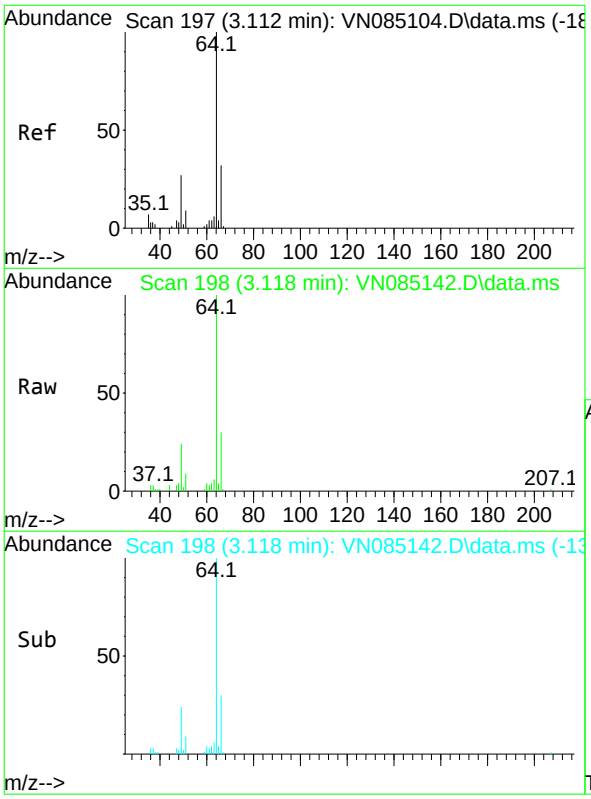
Ion	Ratio	Lower	Upper
94	100		
96	89.9	78.7	118.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

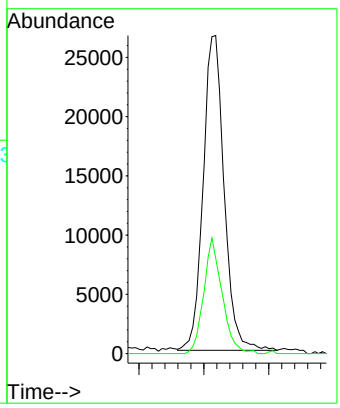
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

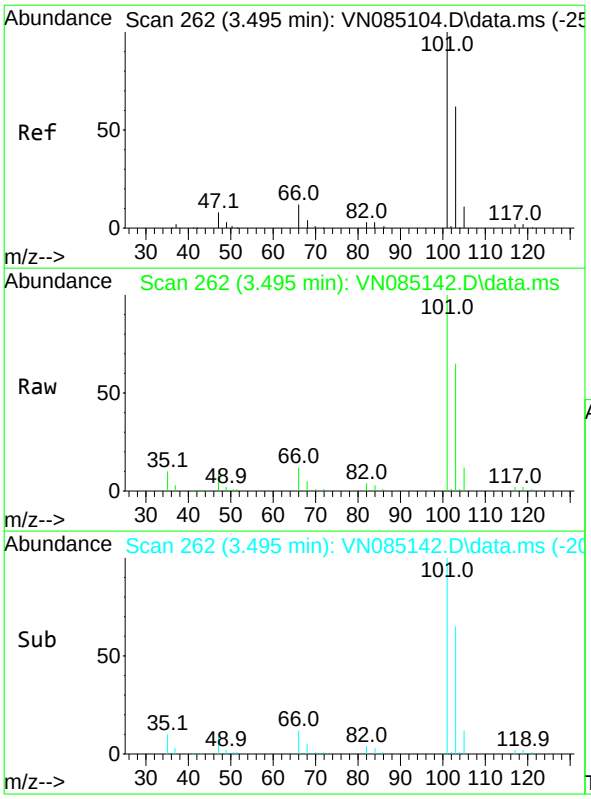


#6
Chloroethane
Concen: 44.380 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.053 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 64 Resp: 59690

Ion	Ratio	Lower	Upper
64	100		
66	30.3	24.4	36.6

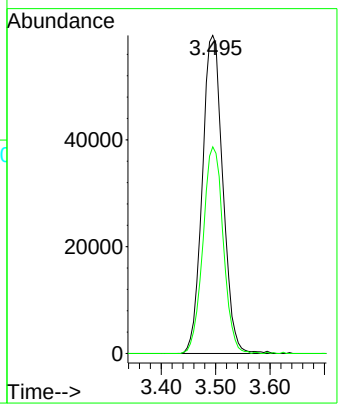




#7
Trichlorofluoromethane
Concen: 45.926 ug/l
RT: 3.495 min Scan# 26
Delta R.T. 0.035 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:101 Resp: 155891

Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.6	78.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2024
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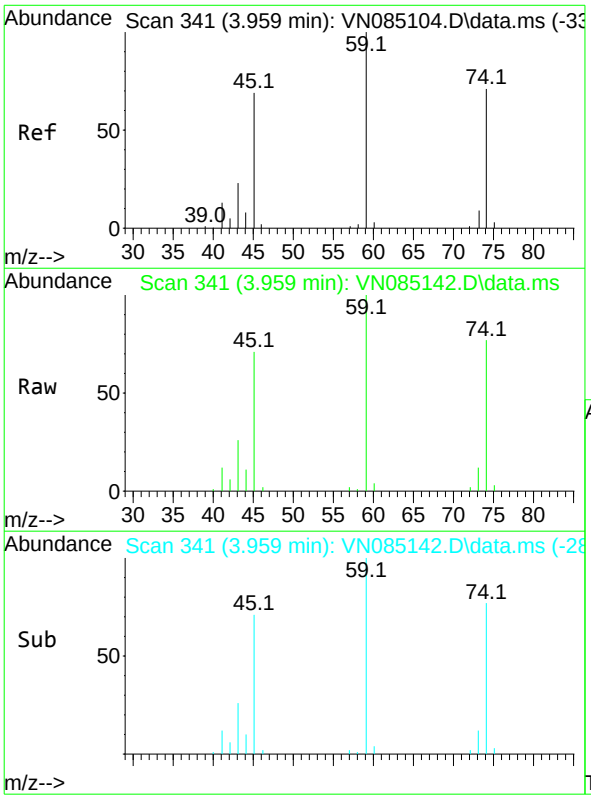
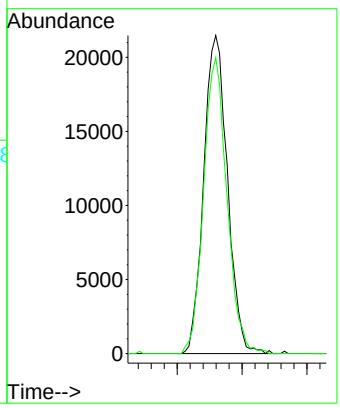
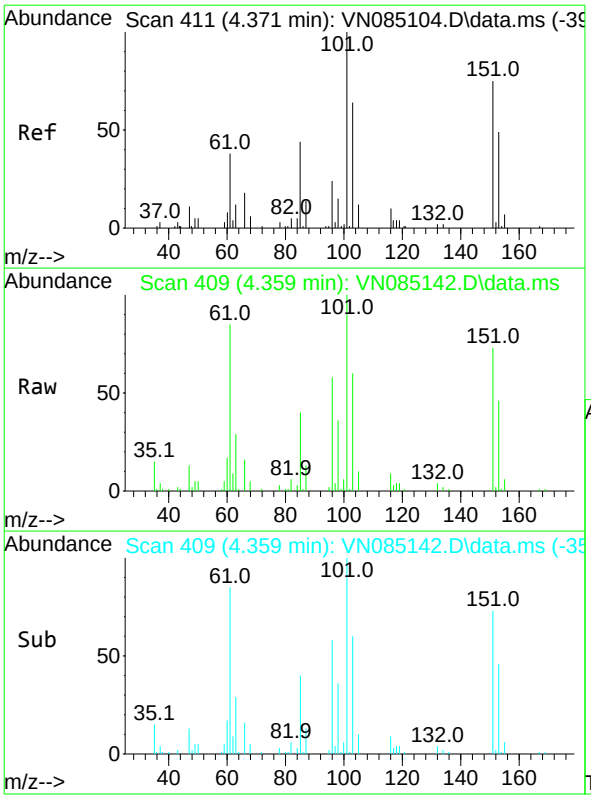


#8
Diethyl Ether
Concen: 47.263 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.012 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 74 Resp: 54603

Ion	Ratio	Lower	Upper
74	100		
45	91.6	46.7	140.1

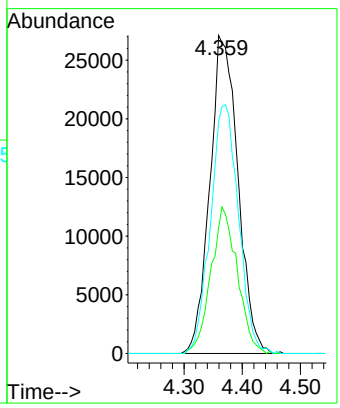




#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.294 ug/l
RT: 4.359 min Scan# 40
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:101 Resp: 91050

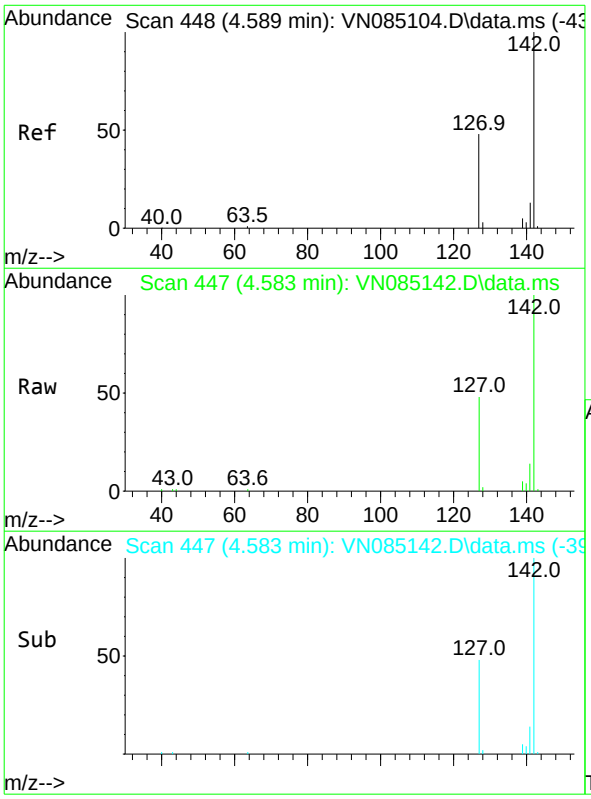
Ion	Ratio	Lower	Upper
101	100		
85	43.3	36.9	55.3
151	78.1	60.8	91.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

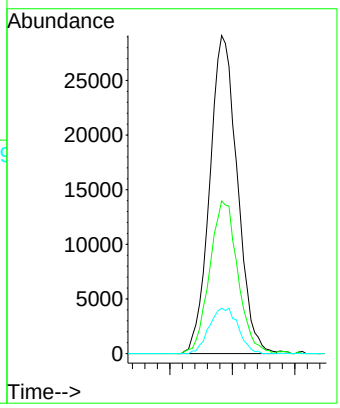
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

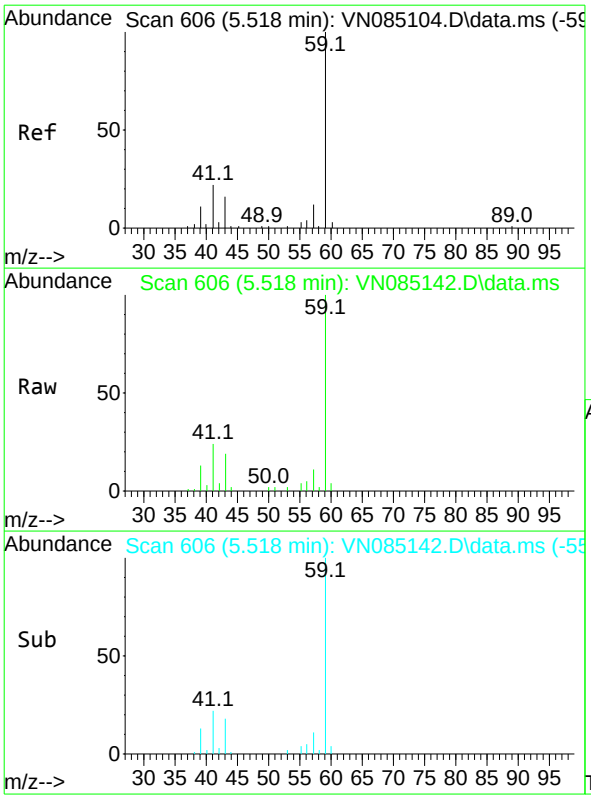


#10
Methyl Iodide
Concen: 35.067 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.012 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:142 Resp: 89363

Ion	Ratio	Lower	Upper
142	100		
127	48.0	36.6	54.8
141	14.3	12.2	18.4

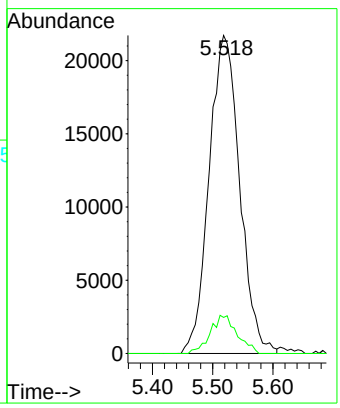




#11
Tert butyl alcohol
Concen: 237.948 ug/l
RT: 5.518 min Scan# 60
Delta R.T. -0.024 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 59 Resp: 76683

Ion	Ratio	Lower	Upper
59	100		
57	10.5	7.4	11.0



Instrument :
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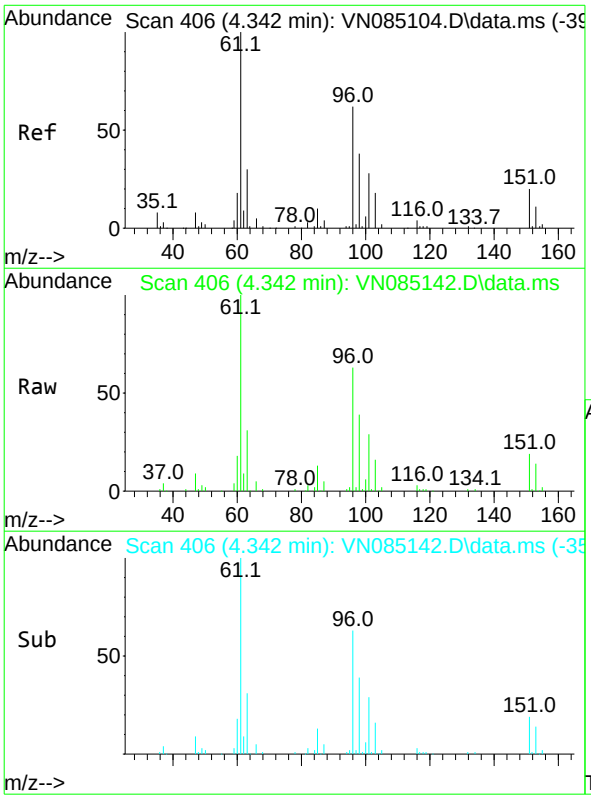
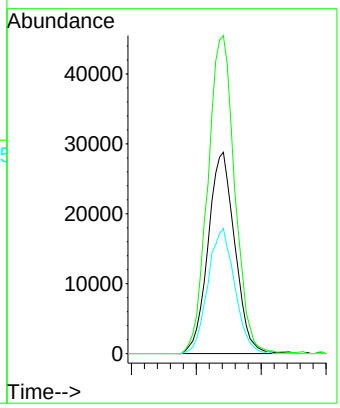
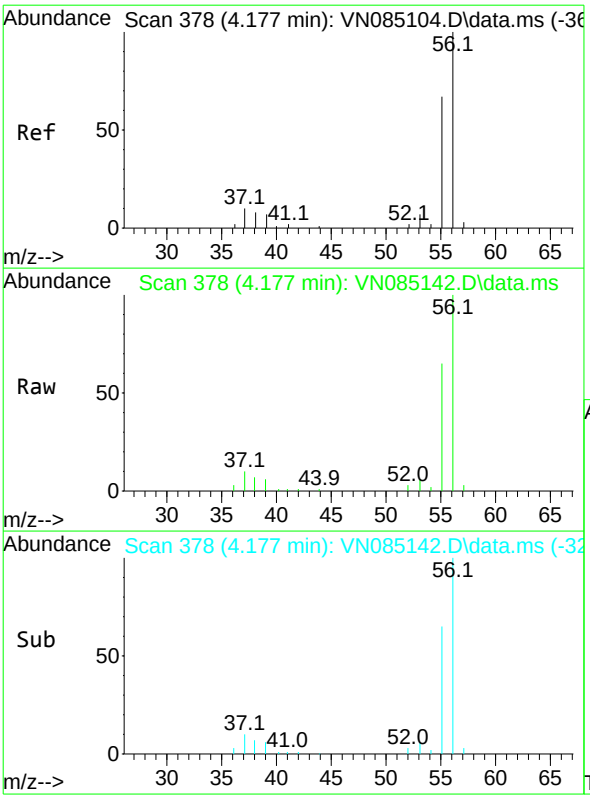


#12
1,1-Dichloroethene
Concen: 45.833 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.023 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 96 Resp: 82362

Ion	Ratio	Lower	Upper
96	100		
61	157.9	127.8	191.8
98	62.2	49.2	73.8

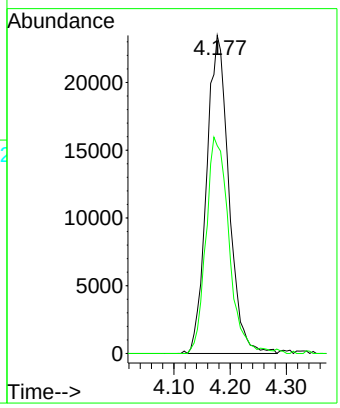




#13
Acrolein
Concen: 300.005 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.012 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 56 Resp: 64513

Ion	Ratio	Lower	Upper
56	100		
55	70.2	54.5	81.7



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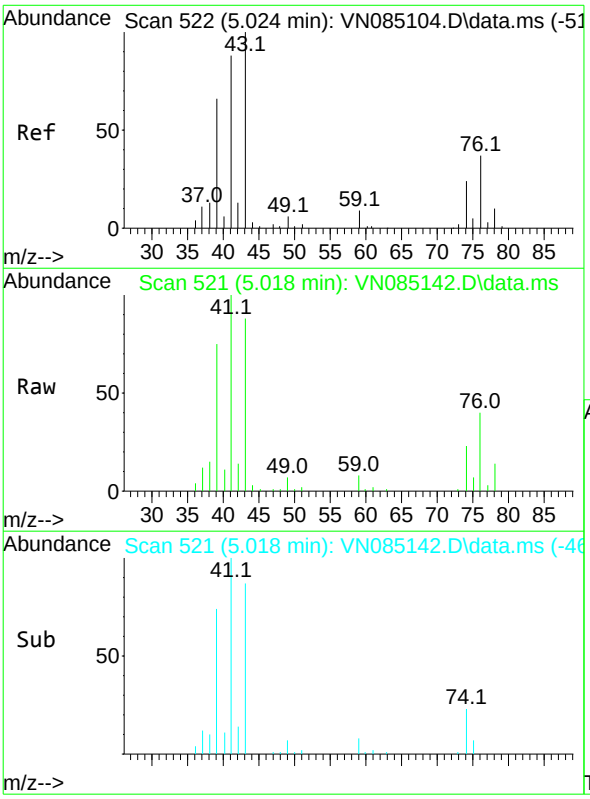
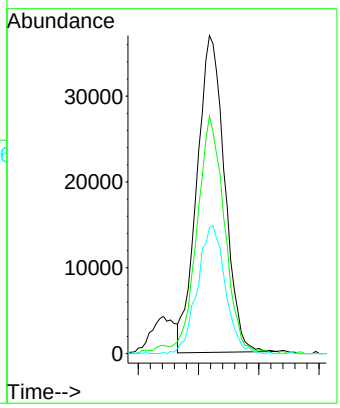
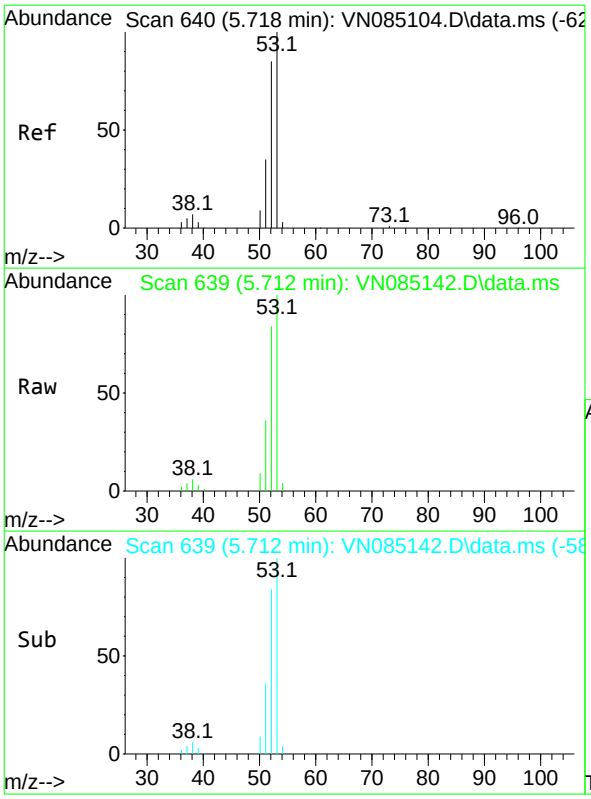


#14
Allyl chloride
Concen: 38.835 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.012 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 41 Resp: 117645

Ion	Ratio	Lower	Upper
41	100		
39	74.1	53.8	80.8
76	40.7	29.3	43.9

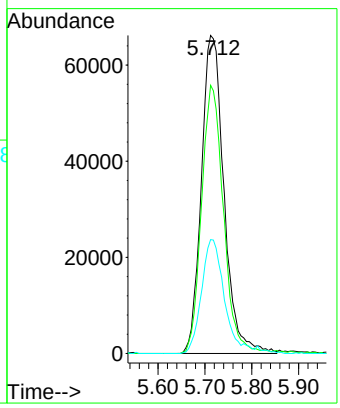




#15
Acrylonitrile
Concen: 243.009 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 53 Resp: 221719

Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.5	98.3
51	36.2	28.4	42.6



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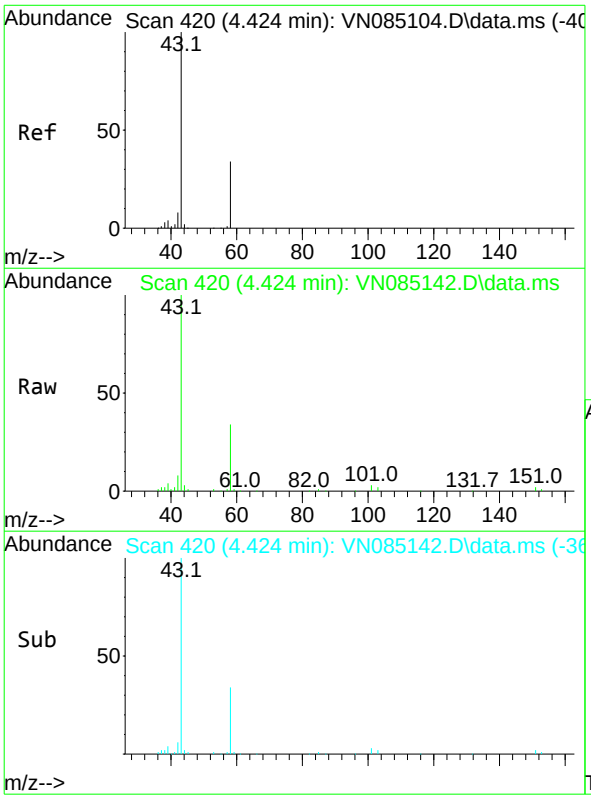
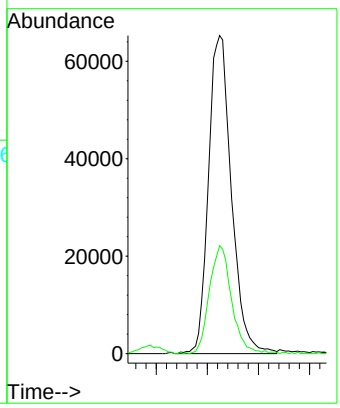
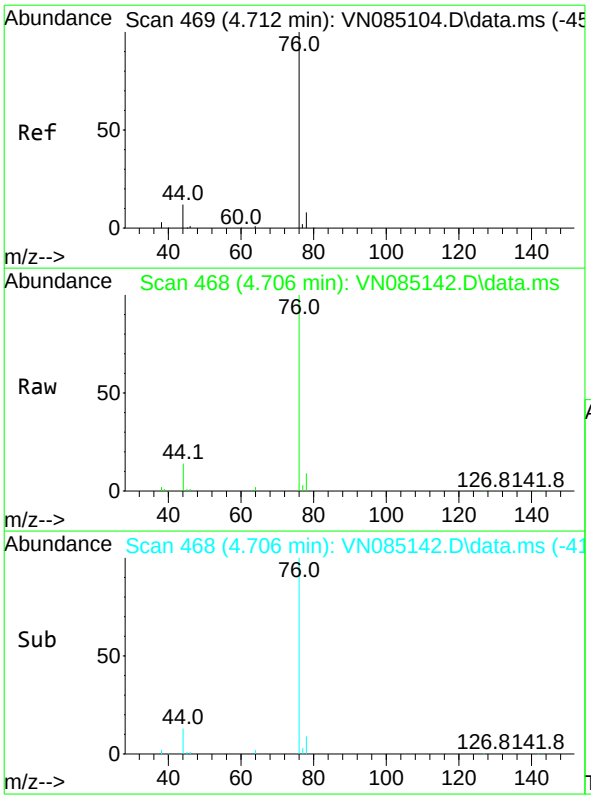


#16
Acetone
Concen: 289.341 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 43 Resp: 203220

Ion	Ratio	Lower	Upper
43	100		
58	33.9	25.4	38.2

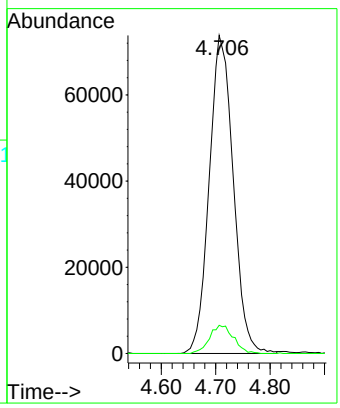




#17
Carbon Disulfide
Concen: 42.635 ug/l
RT: 4.706 min Scan# 46
Delta R.T. 0.012 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 76 Resp: 226138

Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.5	9.7



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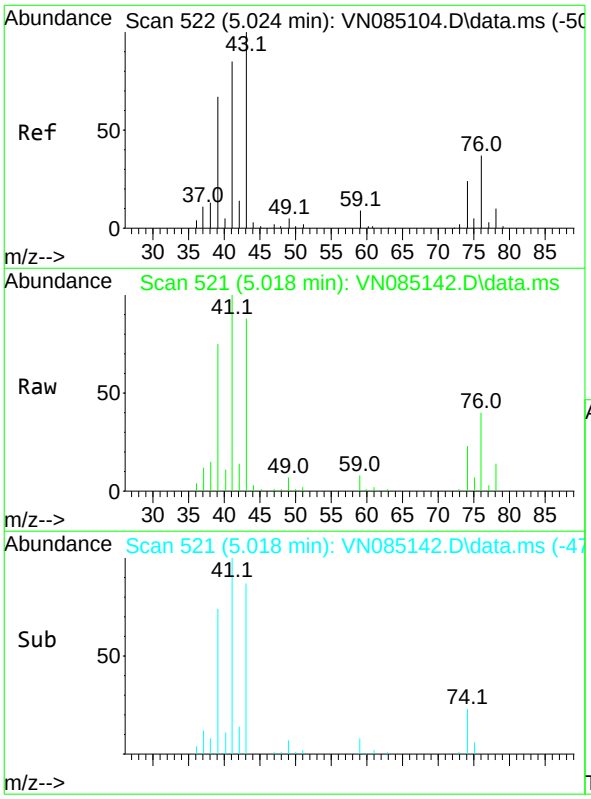
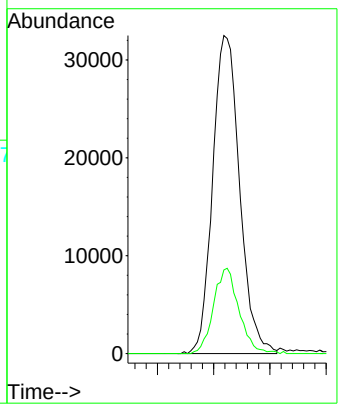
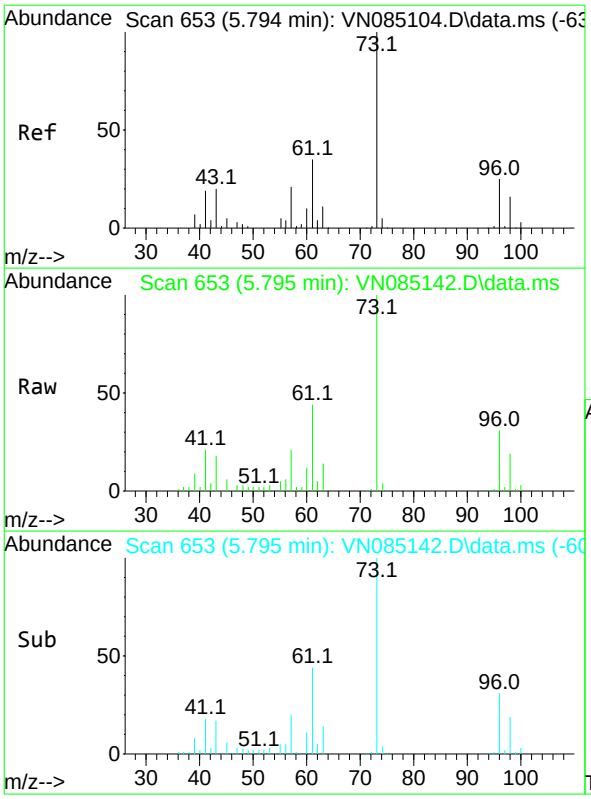


#18
Methyl Acetate
Concen: 48.108 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 43 Resp: 108094

Ion	Ratio	Lower	Upper
43	100		
74	25.3	20.1	30.1

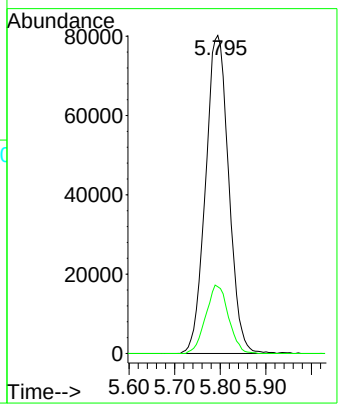




#19
Methyl tert-butyl Ether
Concen: 48.135 ug/l
RT: 5.795 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 73 Resp: 282616

Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.0	25.4



Instrument :
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ClientSampleId :
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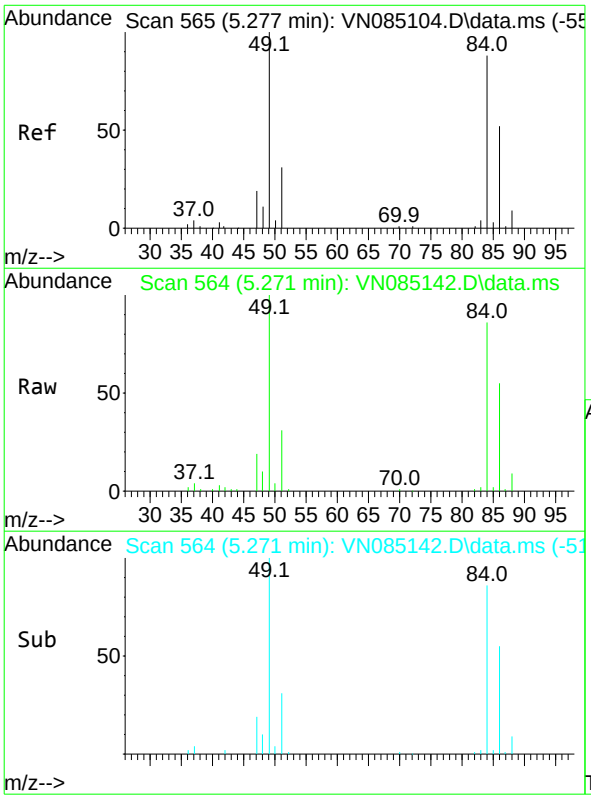
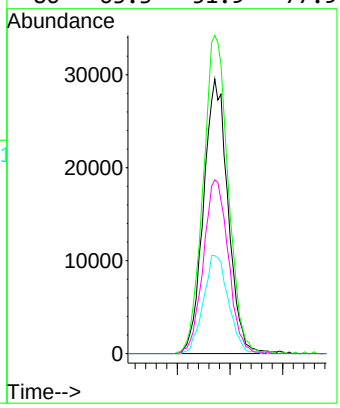
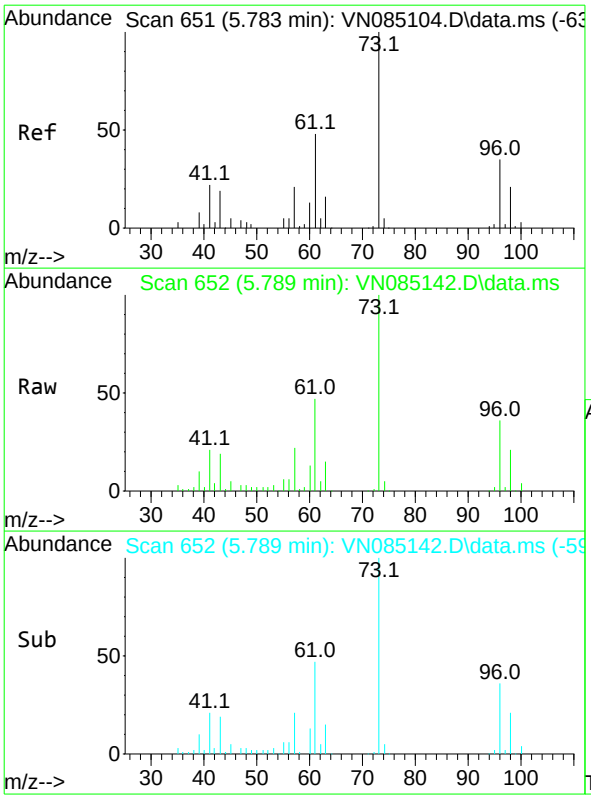


#20
Methylene Chloride
Concen: 44.476 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 84 Resp: 95322

Ion	Ratio	Lower	Upper
84	100		
49	115.8	92.7	139.1
51	35.6	29.4	44.2
86	63.3	51.9	77.9

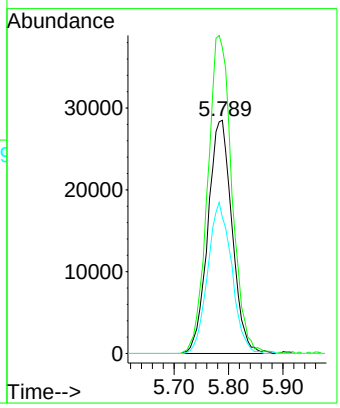




#21
trans-1,2-Dichloroethene
Concen: 46.418 ug/l
RT: 5.789 min Scan# 65
Delta R.T. 0.018 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 96 Resp: 87778

Ion	Ratio	Lower	Upper
96	100		
61	131.2	100.7	151.1
98	58.4	45.8	68.6



Instrument :
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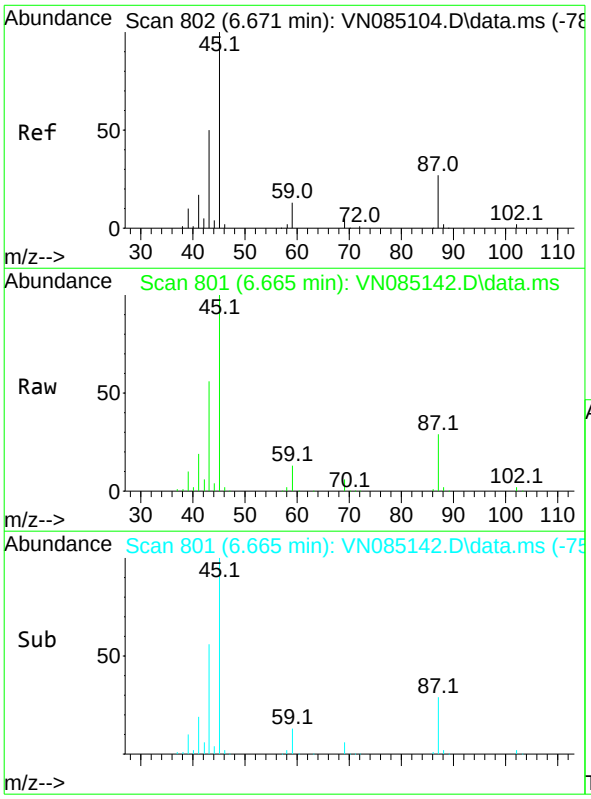
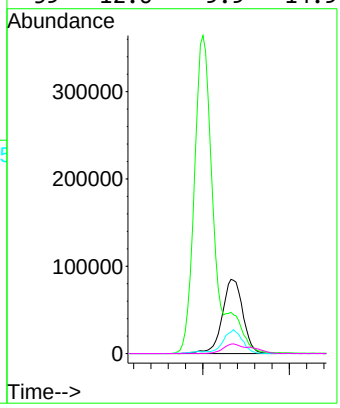
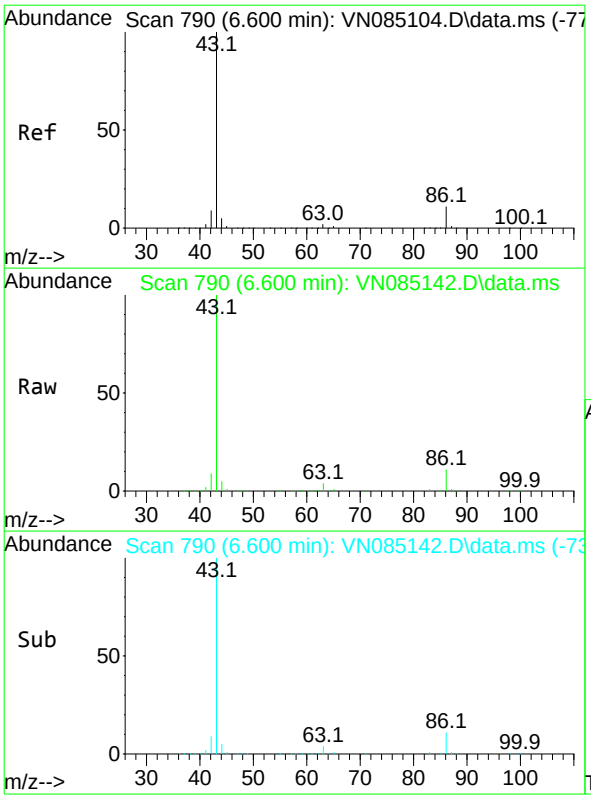


#22
Diisopropyl ether
Concen: 46.165 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 45 Resp: 281466

Ion	Ratio	Lower	Upper
45	100		
43	54.8	42.7	64.1
87	29.1	22.6	34.0
59	12.6	9.9	14.9

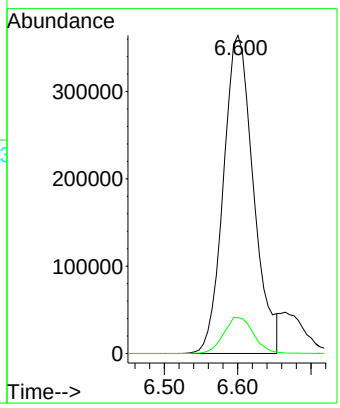




#23
Vinyl Acetate
Concen: 246.613 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 43 Resp: 1037308

Ion	Ratio	Lower	Upper
43	100		
86	11.2	8.9	13.3



Instrument :
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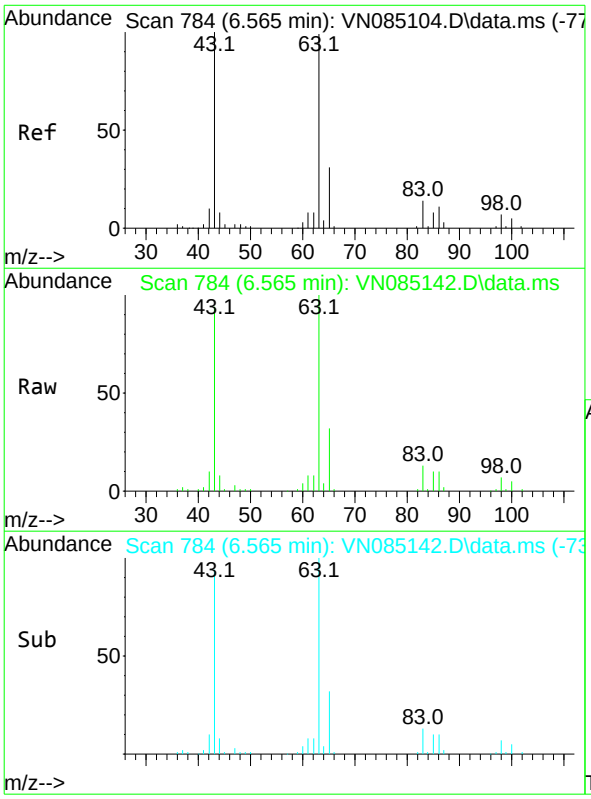
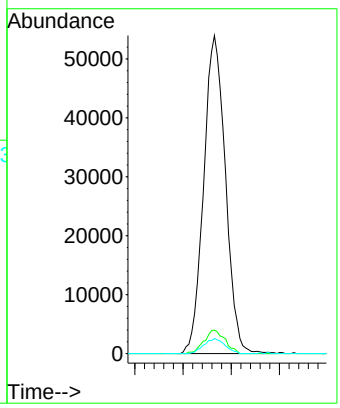
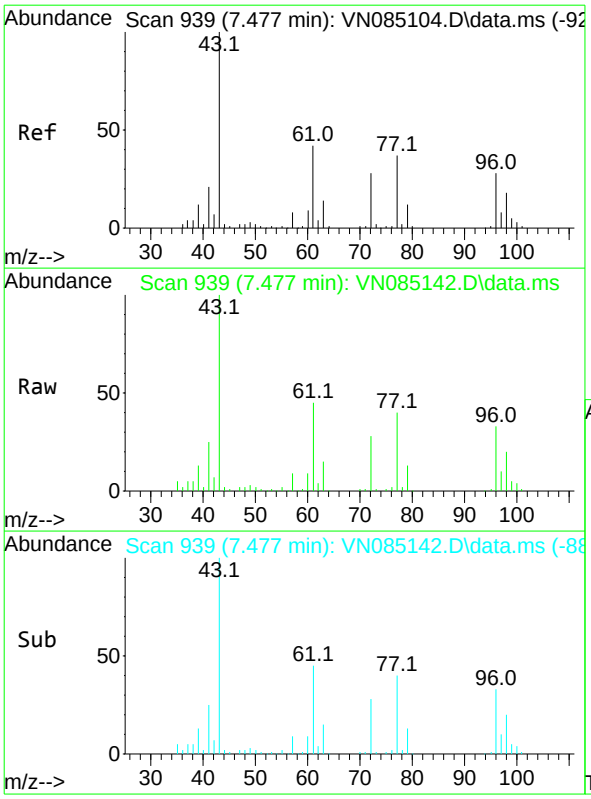


#24
1,1-Dichloroethane
Concen: 46.447 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.012 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 63 Resp: 169467

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.3	9.8
100	4.7	2.2	6.6

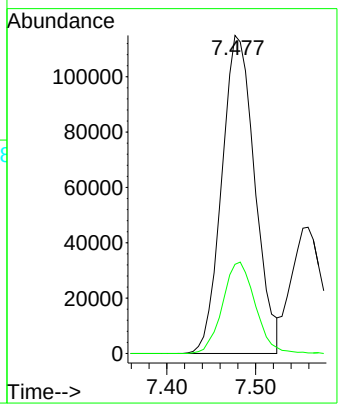




#25
2-Butanone
Concen: 258.973 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 43 Resp: 297377

Ion	Ratio	Lower	Upper
43	100		
72	28.0	21.4	32.0



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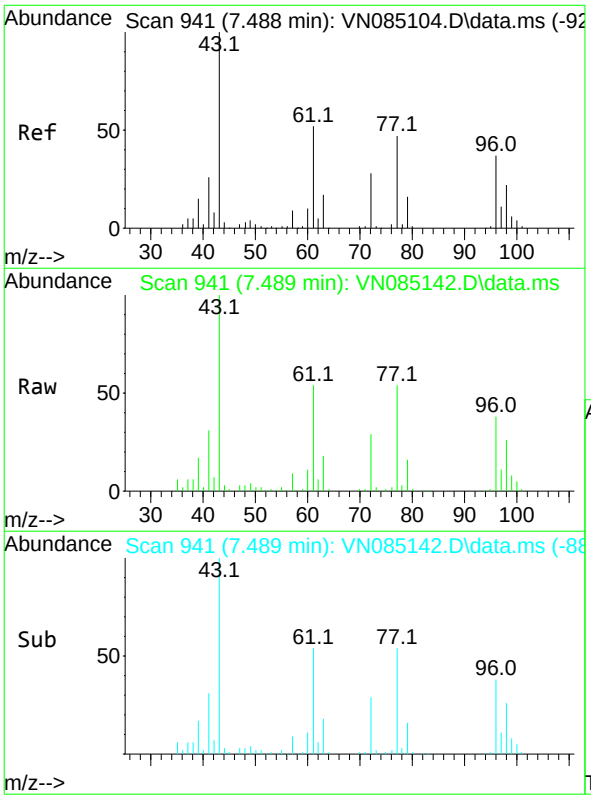
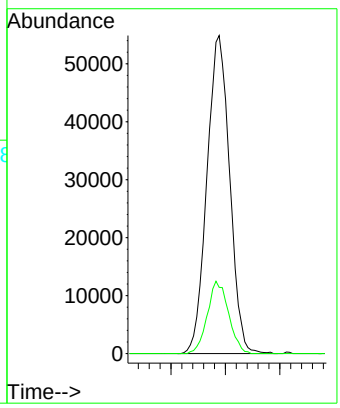
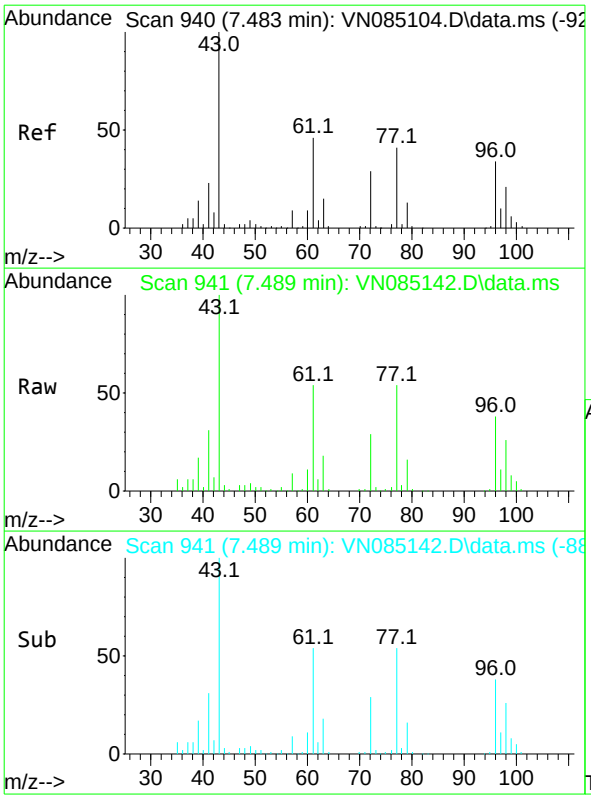


#26
2,2-Dichloropropane
Concen: 46.682 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 77 Resp: 159044

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.9	32.7

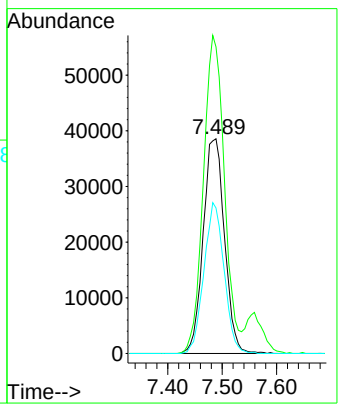




#27
cis-1,2-Dichloroethene
Concen: 46.131 ug/l
RT: 7.489 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 96 Resp: 105165

Ion	Ratio	Lower	Upper
96	100		
61	145.9	0.0	291.6
98	66.4	0.0	129.8



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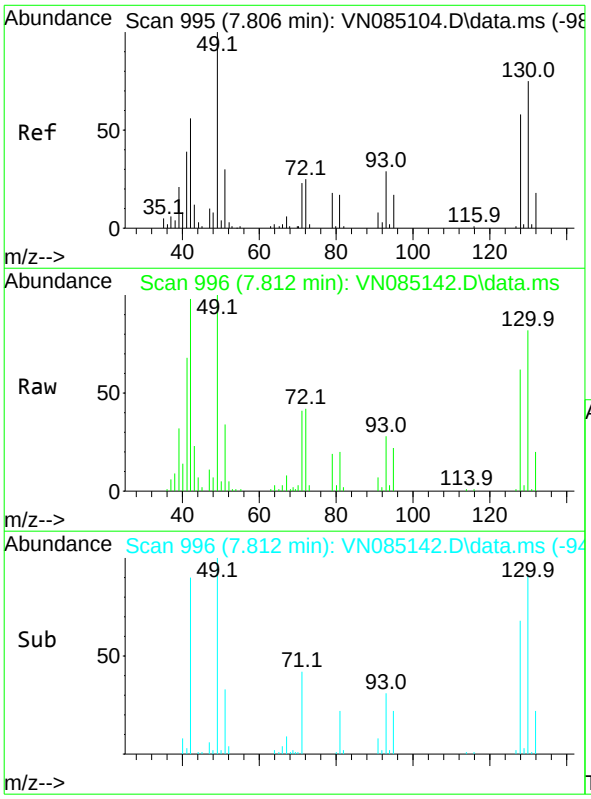
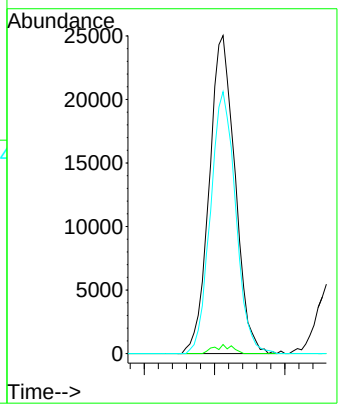
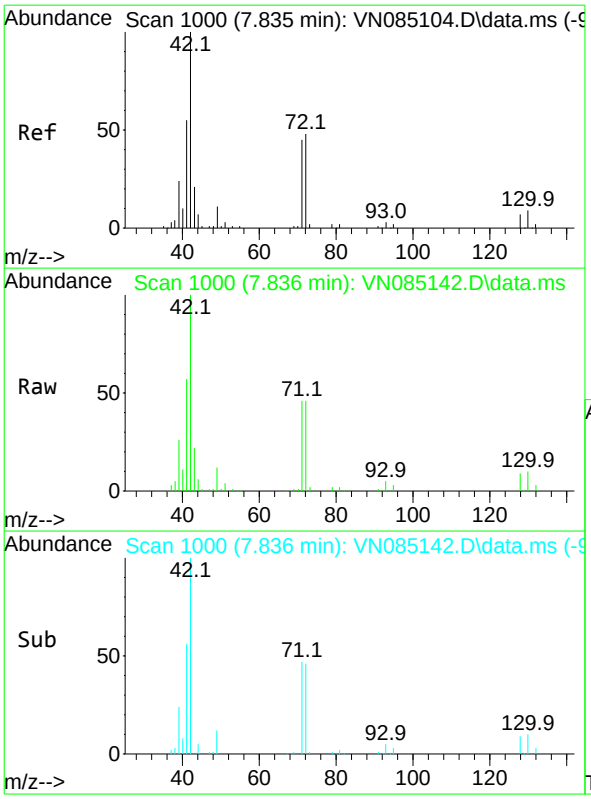


#28
Bromochloromethane
Concen: 46.274 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 49 Resp: 63733

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	80.5	60.6	90.8

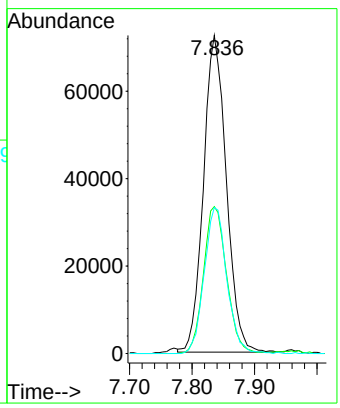




#29
Tetrahydrofuran
Concen: 257.747 ug/l
RT: 7.836 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 42 Resp: 184053

Ion	Ratio	Lower	Upper
42	100		
72	46.9	37.0	55.4
71	45.6	35.0	52.4



Instrument :
MSVOA_N
ClientSampleId :
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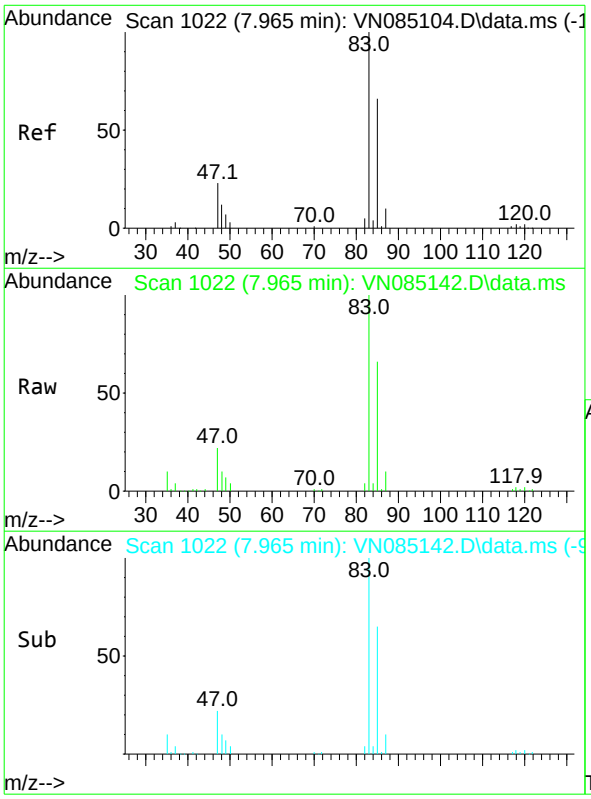
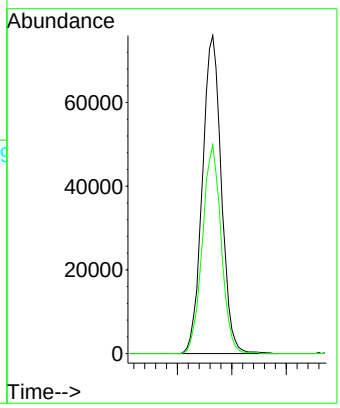
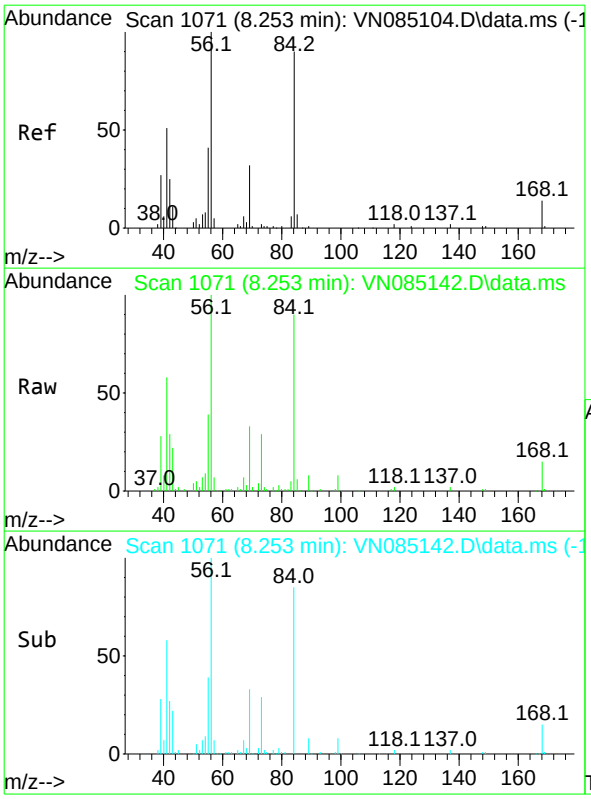


#30
Chloroform
Concen: 47.401 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 83 Resp: 183970

Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.6	78.8

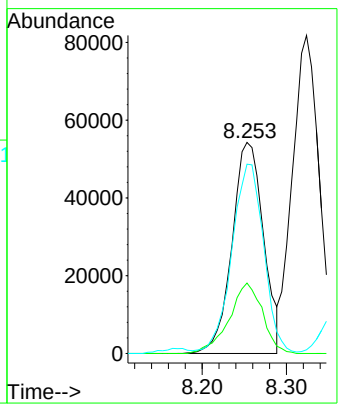




#31
Cyclohexane
Concen: 43.877 ug/l
RT: 8.253 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 56 Resp: 140953

Ion	Ratio	Lower	Upper
56	100		
69	33.4	24.6	36.8
84	87.4	71.4	107.2



Instrument :
MSVOA_N
ClientSampleId :
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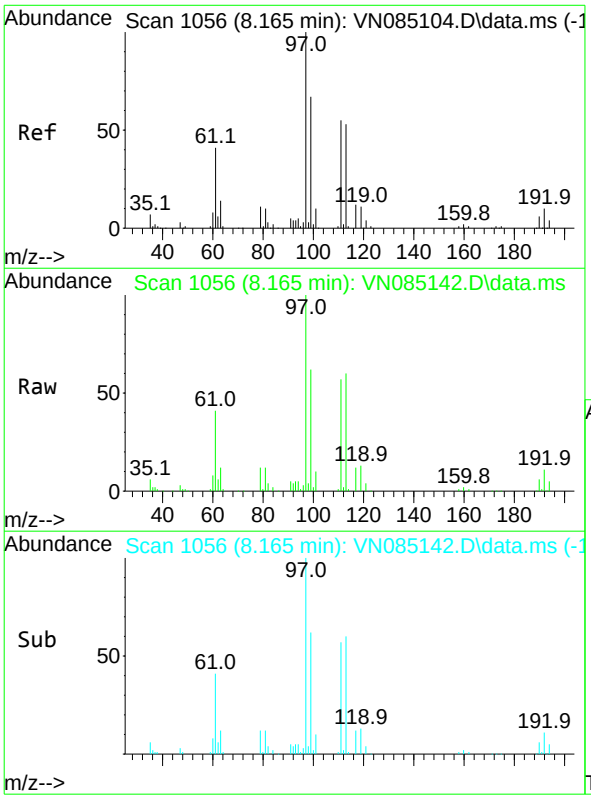
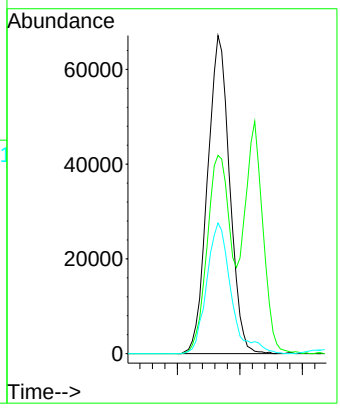
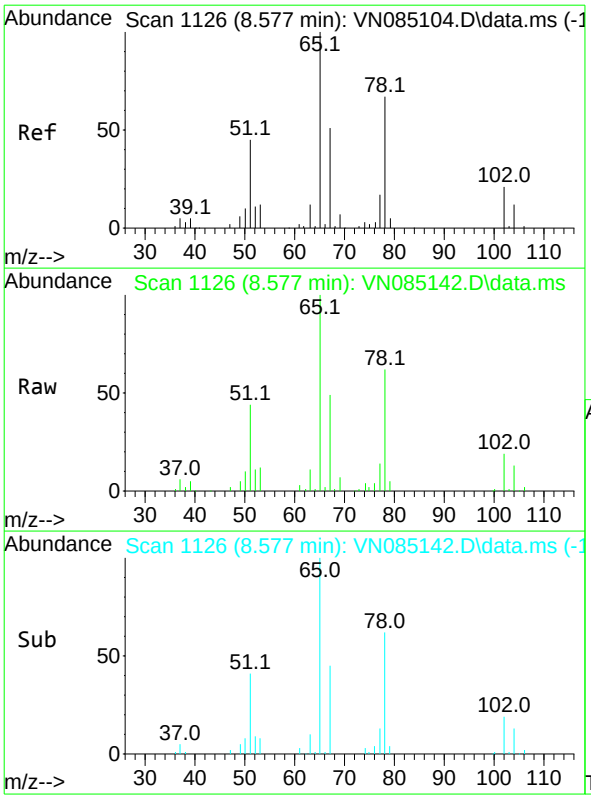


#32
1,1,1-Trichloroethane
Concen: 47.089 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 97 Resp: 165151

Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.0	76.4
61	45.1	36.2	54.2

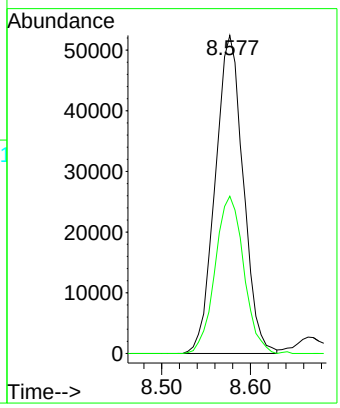




#33
1,2-Dichloroethane-d4
Concen: 47.569 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 65 Resp: 114719

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	105.0



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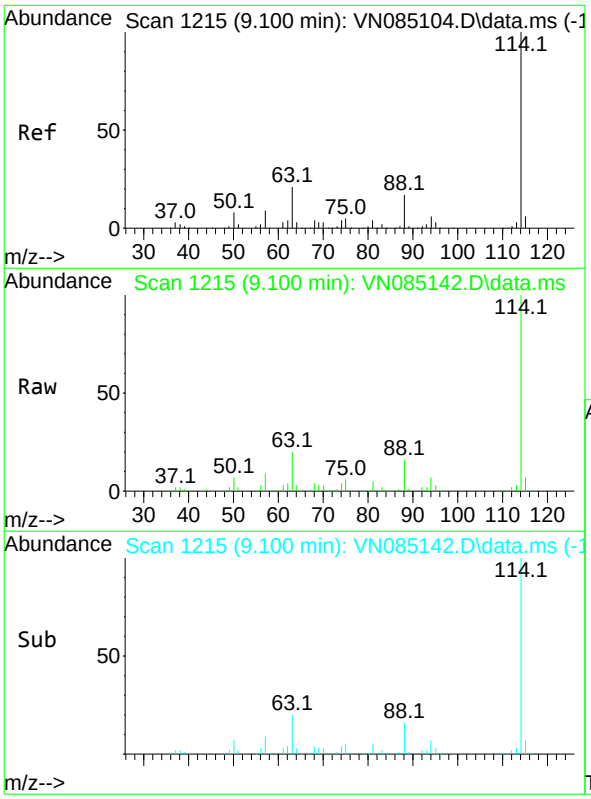
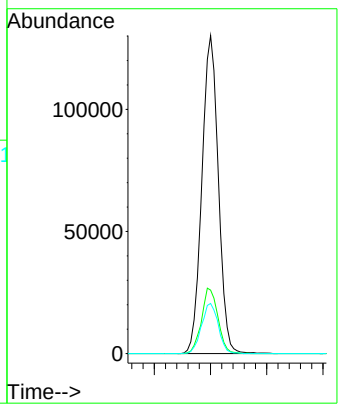
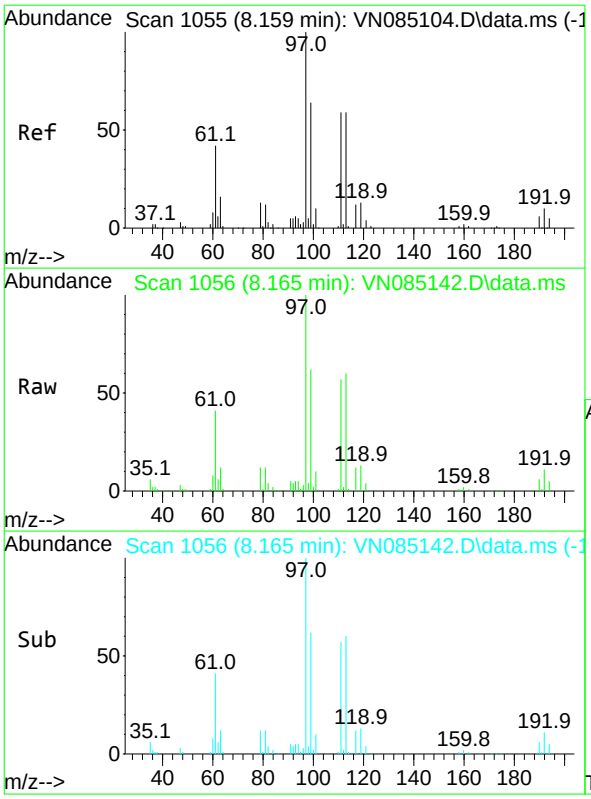


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:114 Resp: 265126

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	41.0
88	15.8	0.0	34.8

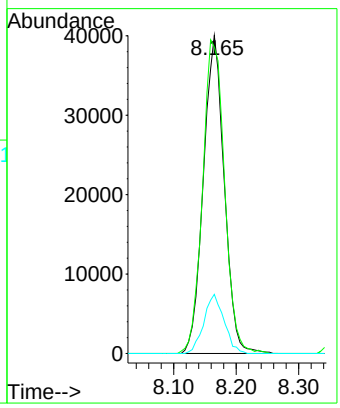




#35
Dibromofluoromethane
Concen: 51.885 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:113 Resp: 92766

Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.0	123.0
192	18.1	14.8	22.2



Instrument :
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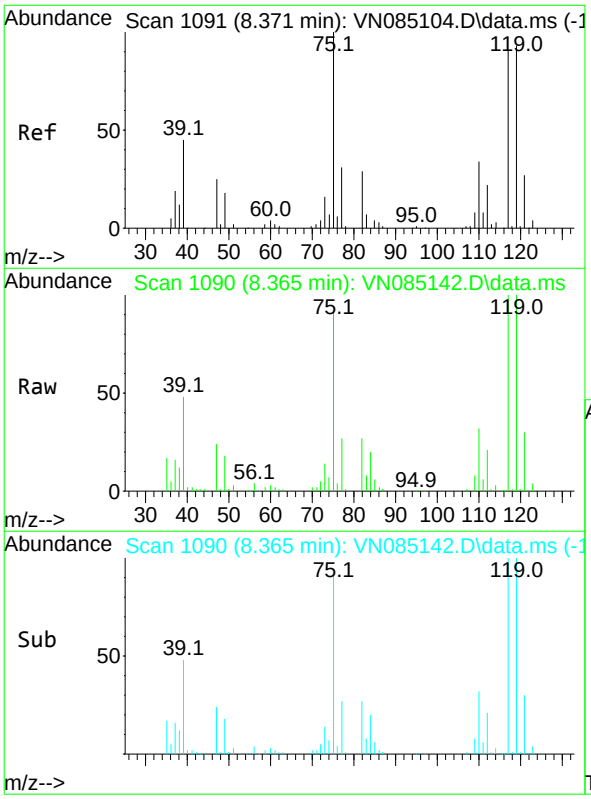
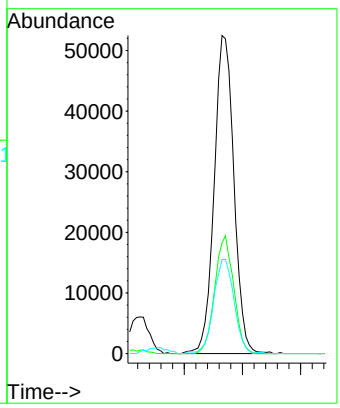
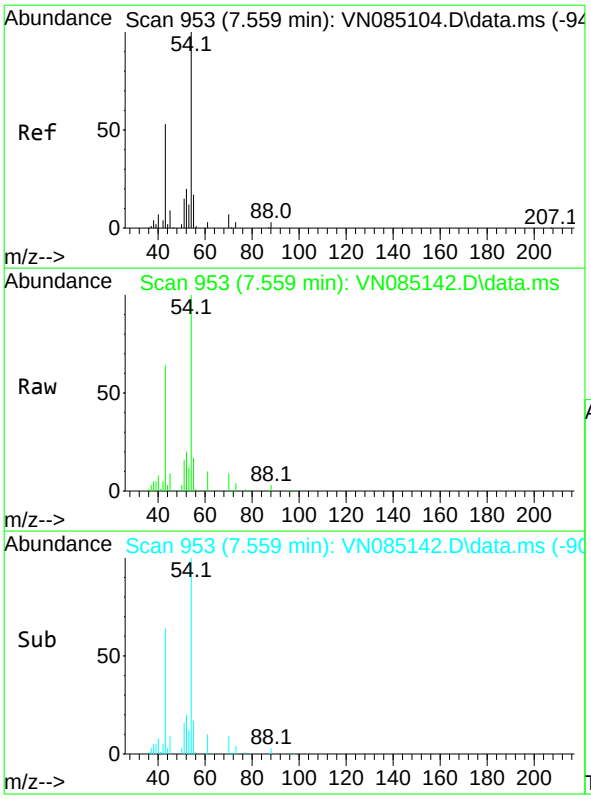


#36
1,1-Dichloropropene
Concen: 51.043 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 75 Resp: 123613

Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.2	51.6
77	30.7	24.2	36.4

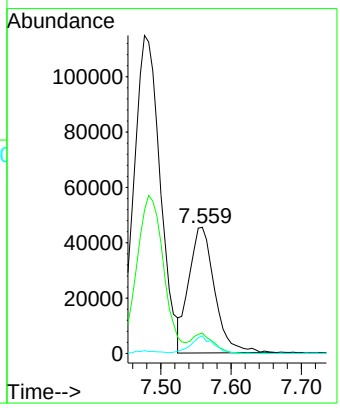




#37
Ethyl Acetate
Concen: 52.778 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 43 Resp: 116196

Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.7	17.5
70	12.2	9.3	13.9



Instrument :
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ClientSampleId :
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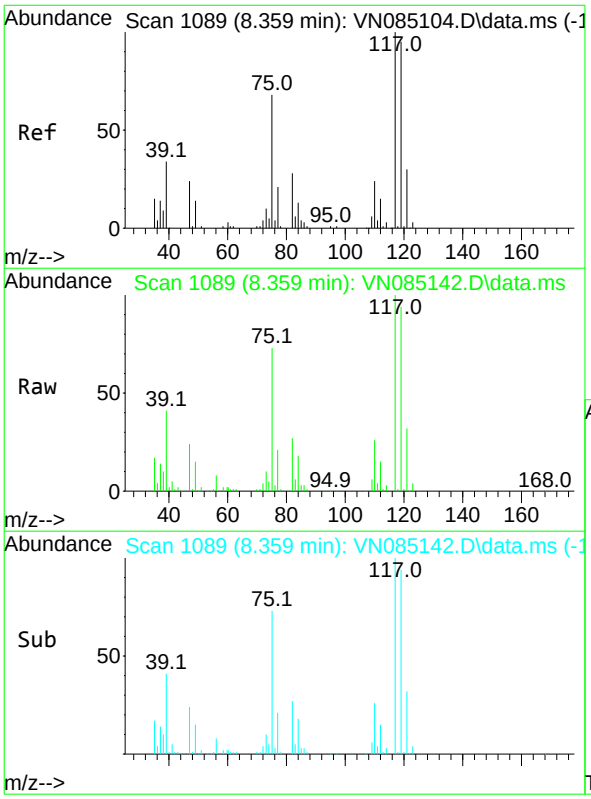
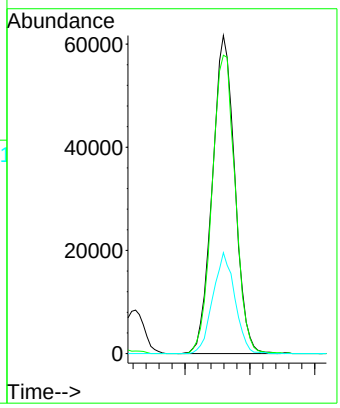
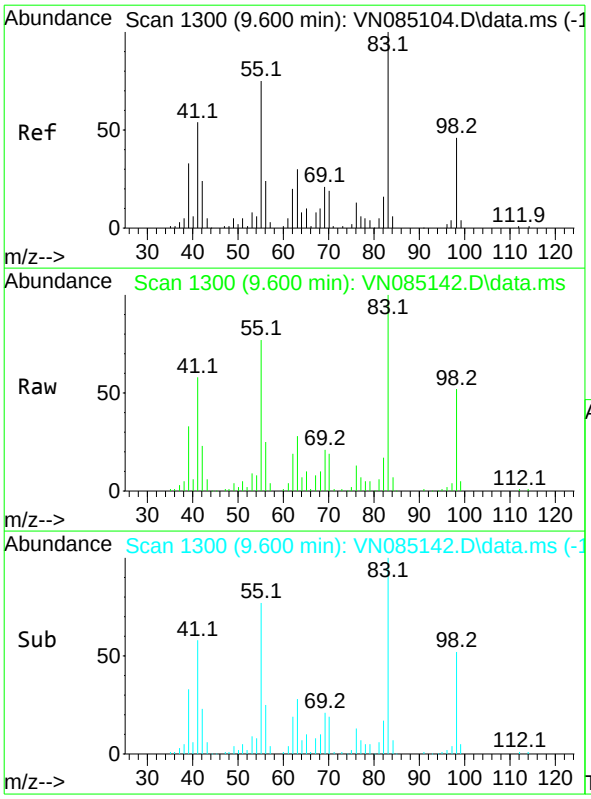


#38
Carbon Tetrachloride
Concen: 53.041 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:117 Resp: 148269

Ion	Ratio	Lower	Upper
117	100		
119	93.8	78.6	117.8
121	31.7	24.2	36.2

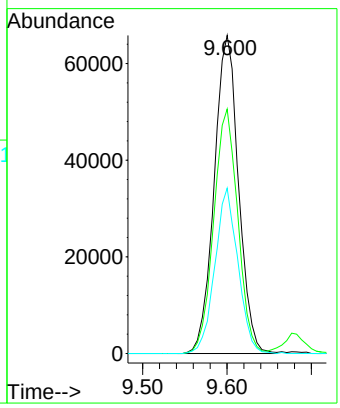




#39
Methylcyclohexane
Concen: 52.424 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 83 Resp: 131927

Ion	Ratio	Lower	Upper
83	100		
55	76.8	61.8	92.6
98	52.0	37.0	55.6



Instrument :
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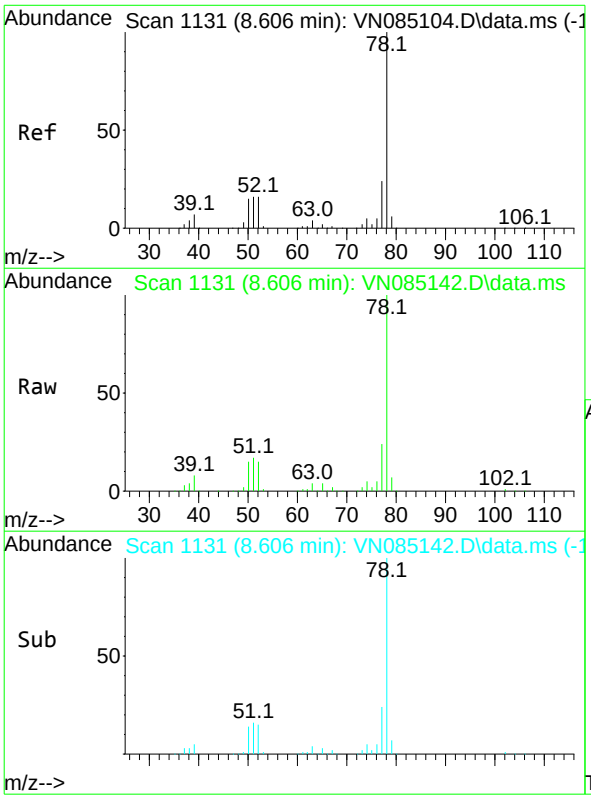
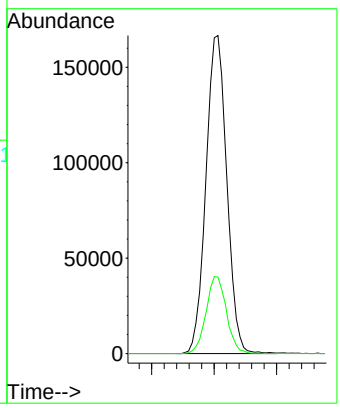
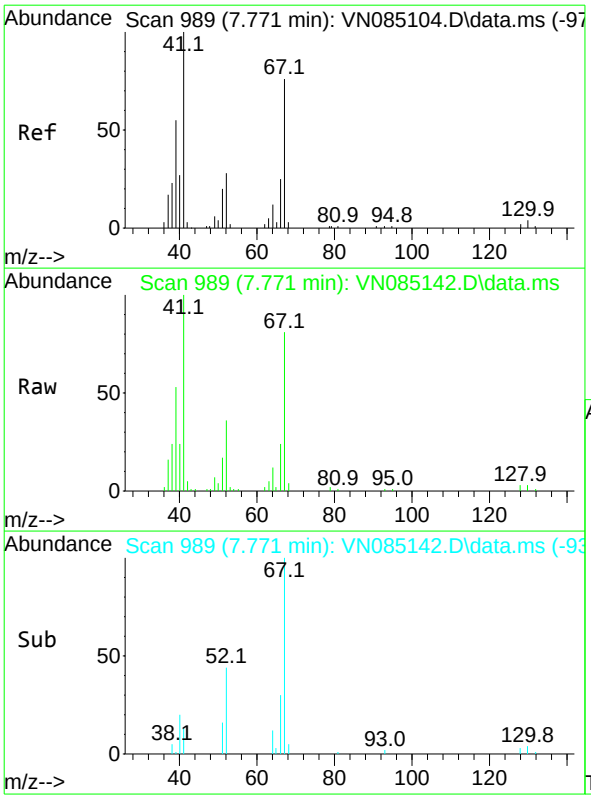


#40
Benzene
Concen: 50.434 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 78 Resp: 386295

Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.5	27.7

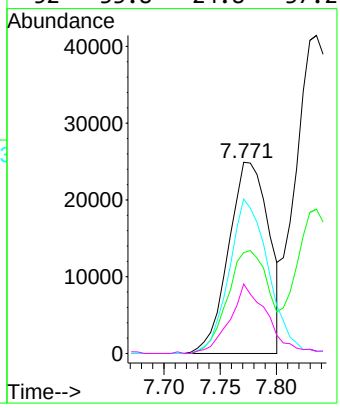




#41
Methacrylonitrile
Concen: 51.058 ug/l
RT: 7.771 min Scan# 98
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 41 Resp: 62238

Ion	Ratio	Lower	Upper
41	100		
39	54.3	42.6	63.8
67	79.1	59.9	89.9
52	33.8	24.8	37.2



Instrument :
MSVOA_N
ClientSampleId :
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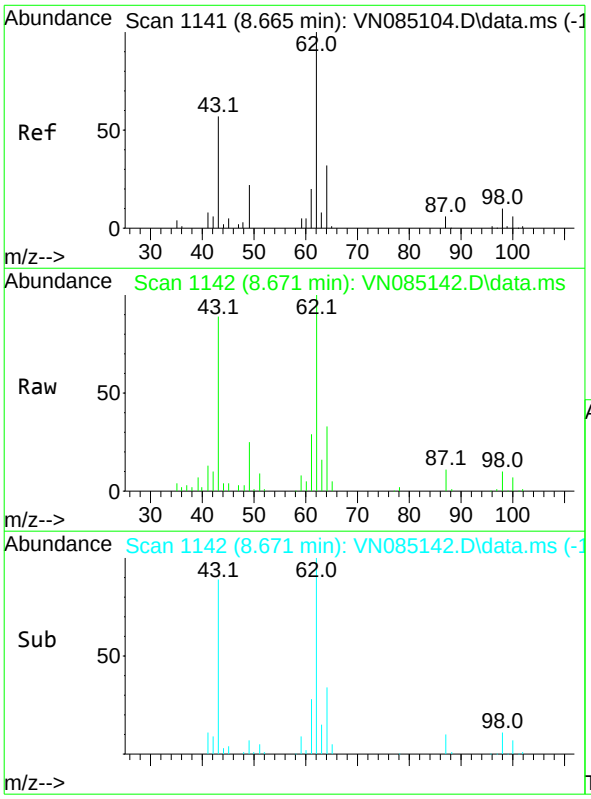
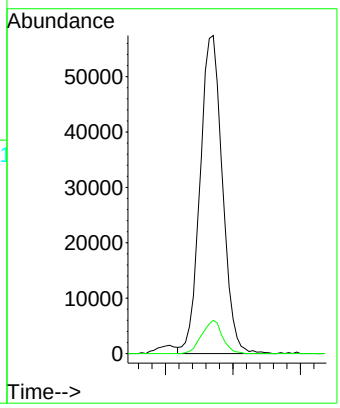
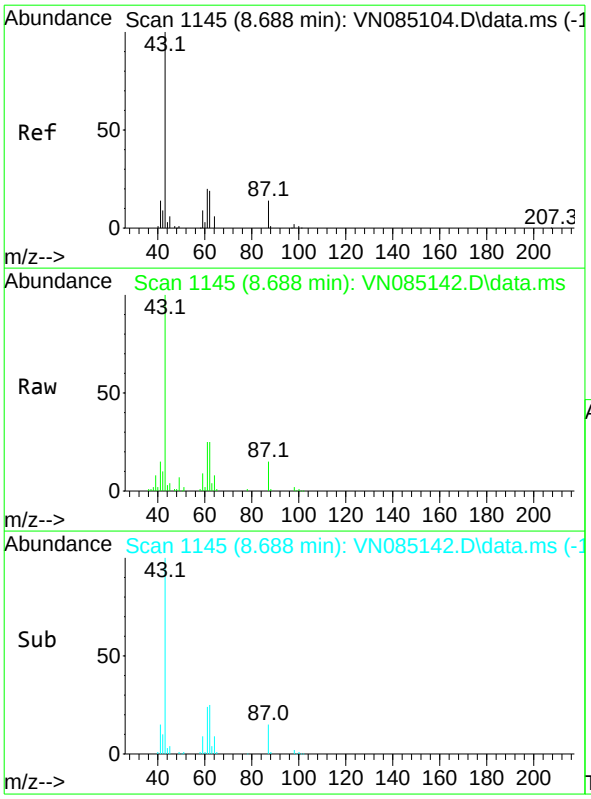


#42
1,2-Dichloroethane
Concen: 50.412 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 62 Resp: 132099

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.2

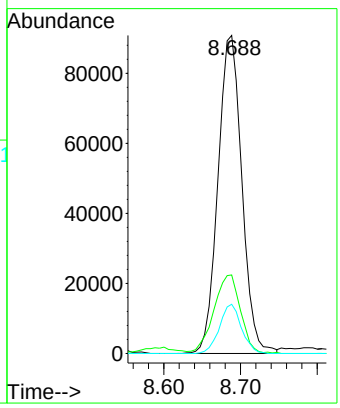




#43
Isopropyl Acetate
Concen: 43.006 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 43 Resp: 196670

Ion	Ratio	Lower	Upper
43	100		
61	27.6	20.6	30.8
87	14.2	11.0	16.4



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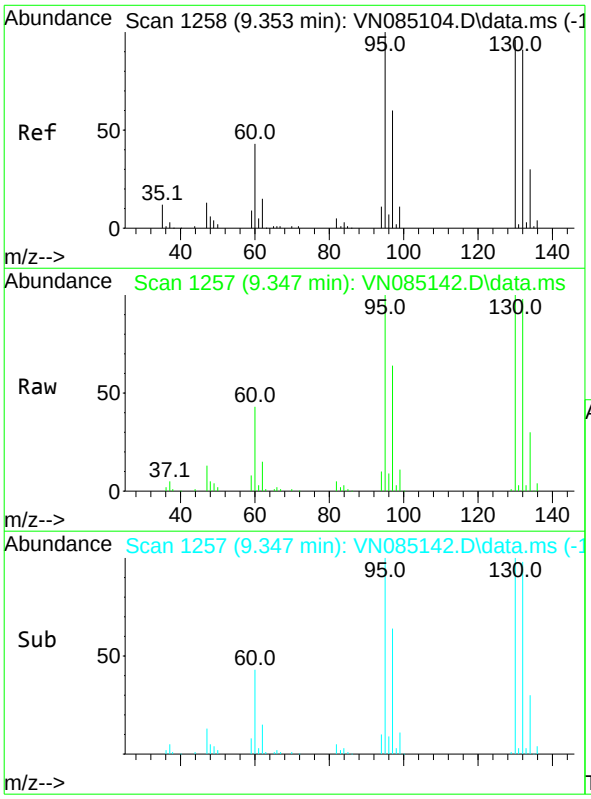
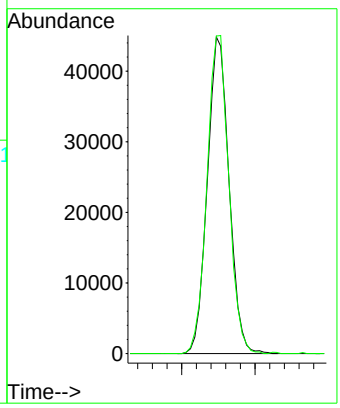
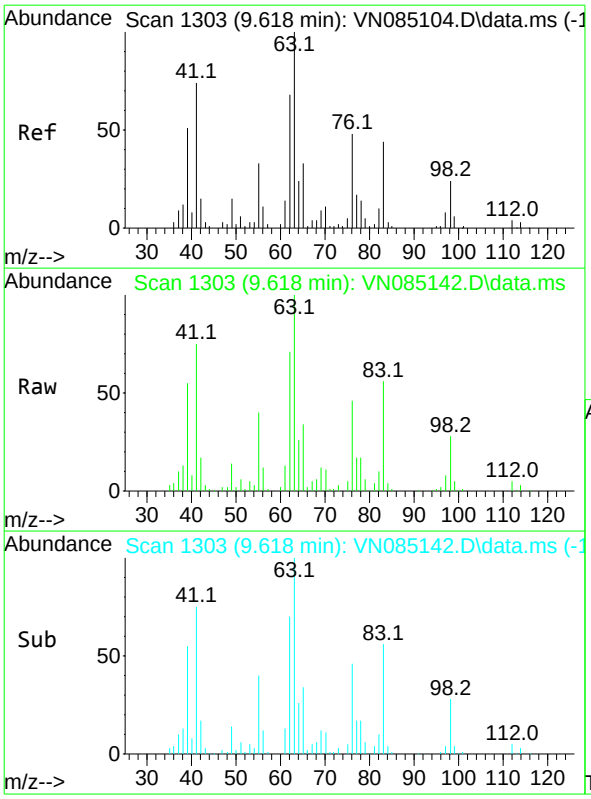


#44
Trichloroethene
Concen: 51.660 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:130 Resp: 91956

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	213.4

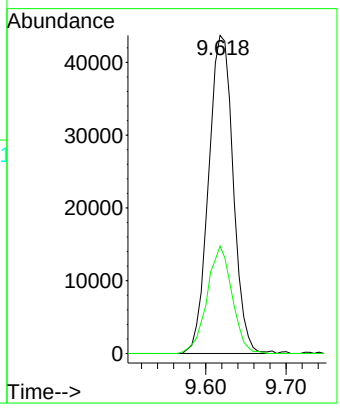




#45
1,2-Dichloropropane
Concen: 49.272 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 63 Resp: 92953

Ion	Ratio	Lower	Upper
63	100		
65	33.8	24.0	36.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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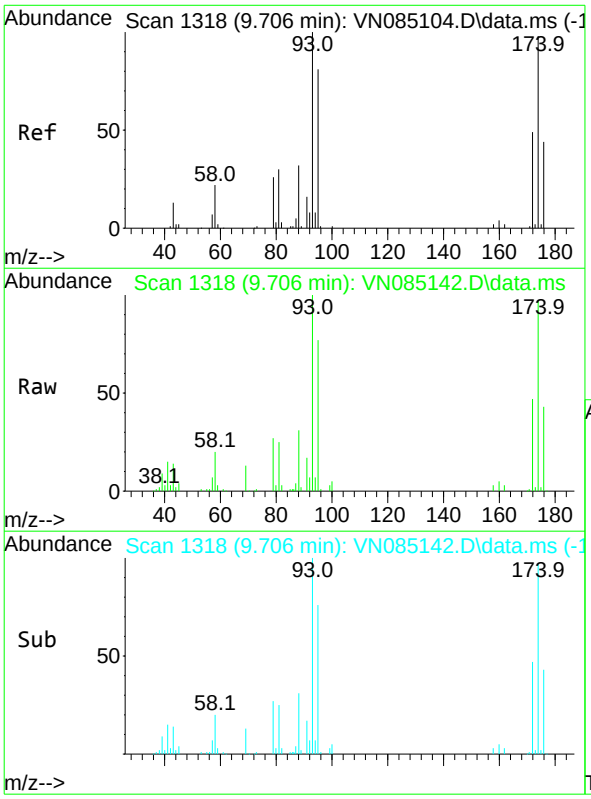
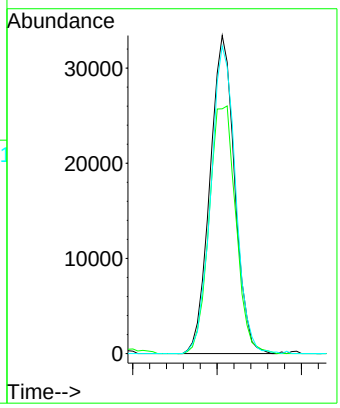
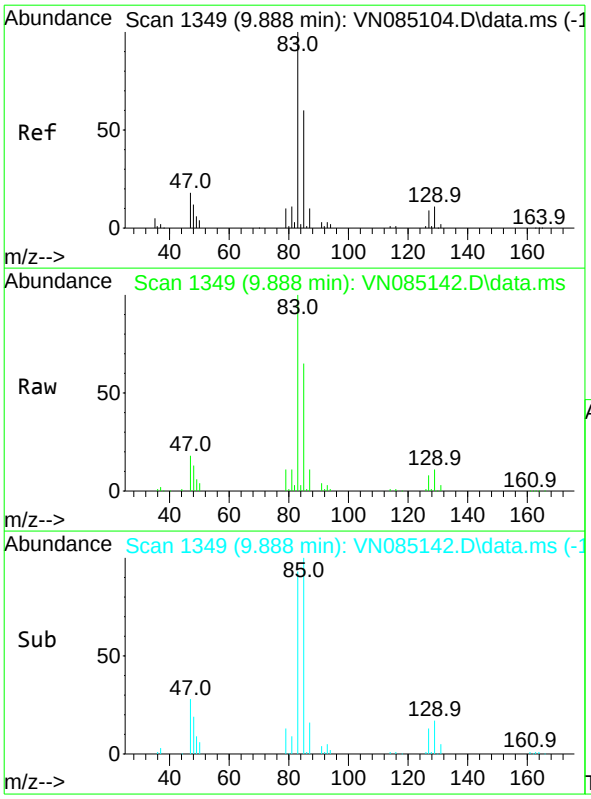


#46
Dibromomethane
Concen: 51.870 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 93 Resp: 67996

Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.2	99.4
174	96.4	74.9	112.3

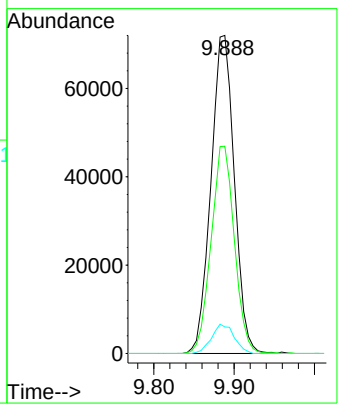




#47
Bromodichloromethane
Concen: 52.456 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 83 Resp: 145741

Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.5	75.7
127	8.3	7.1	10.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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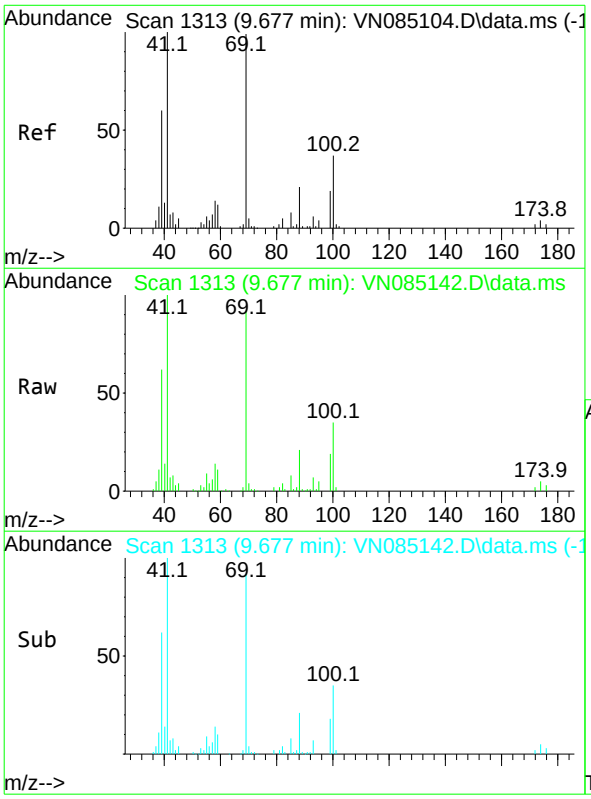
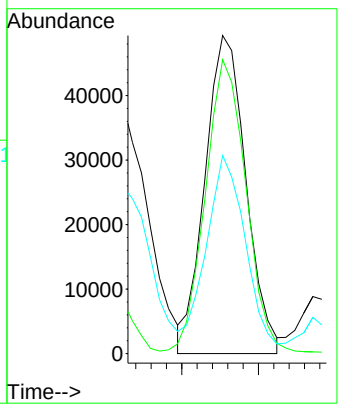
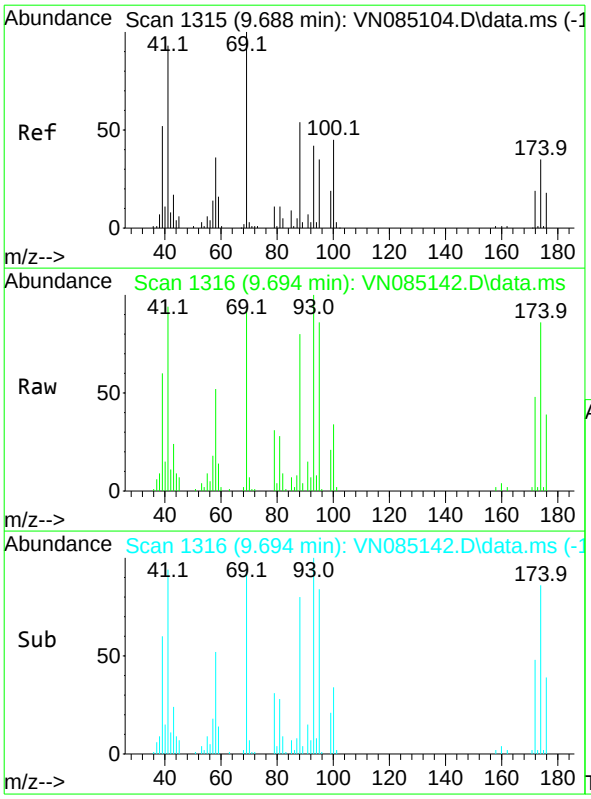


#48
Methyl methacrylate
Concen: 53.750 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 41 Resp: 91470

Ion	Ratio	Lower	Upper
41	100		
69	92.6	73.2	109.8
39	60.3	46.2	69.4





#49
1,4-Dioxane
Concen: 1260.284 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 88 Resp: 37193

Ion	Ratio	Lower	Upper
88	100		
43	32.2	16.7	25.1#
58	67.9	56.5	84.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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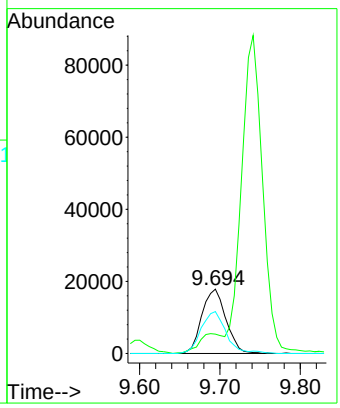
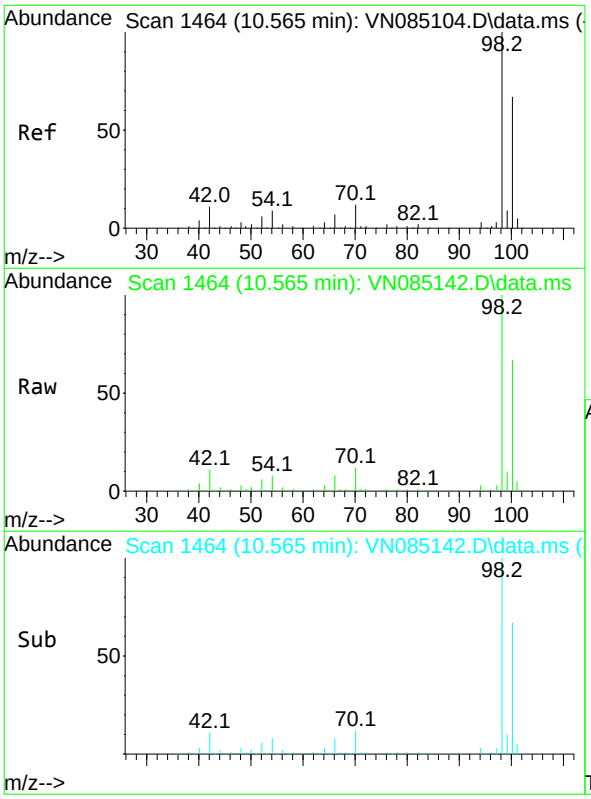
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

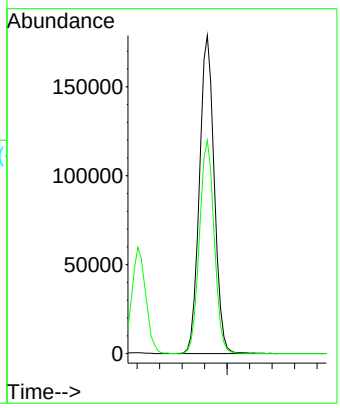


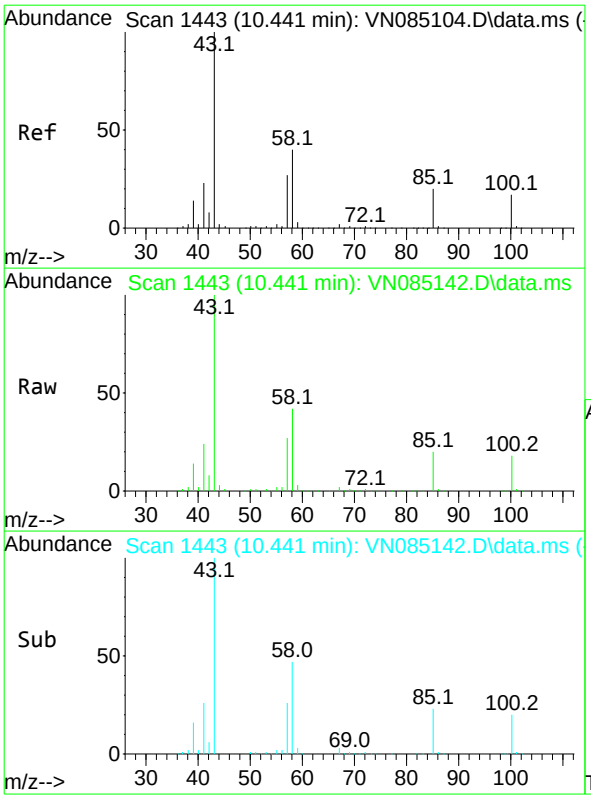


#50
Toluene-d8
Concen: 50.960 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 98 Resp: 326526

Ion	Ratio	Lower	Upper
98	100		
100	67.1	52.5	78.7

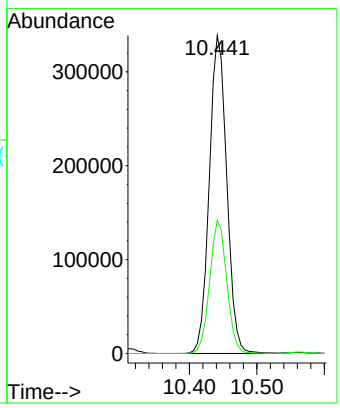




#51
4-Methyl-2-Pentanone
Concen: 291.377 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 43 Resp: 608624

Ion	Ratio	Lower	Upper
43	100		
58	41.0	32.1	48.1



Instrument :
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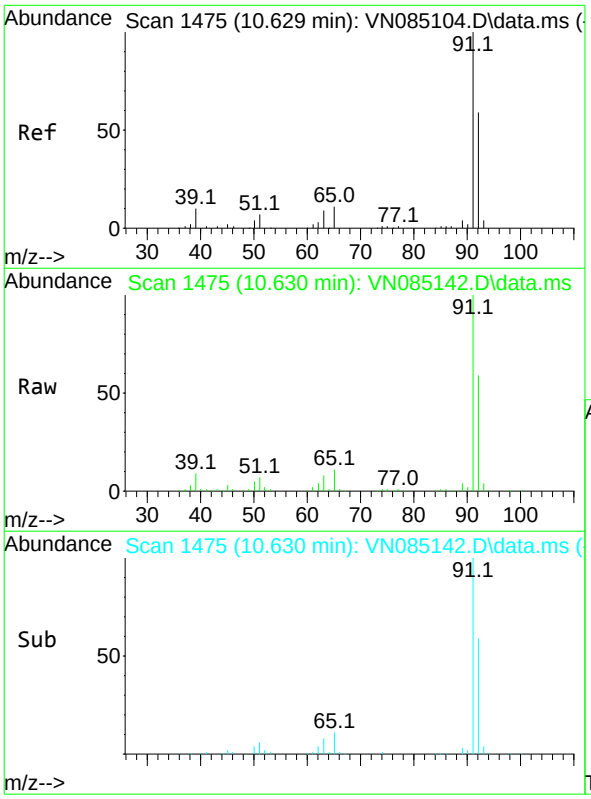
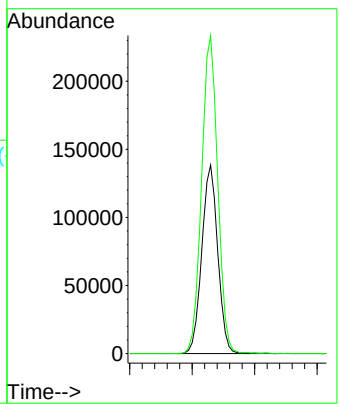
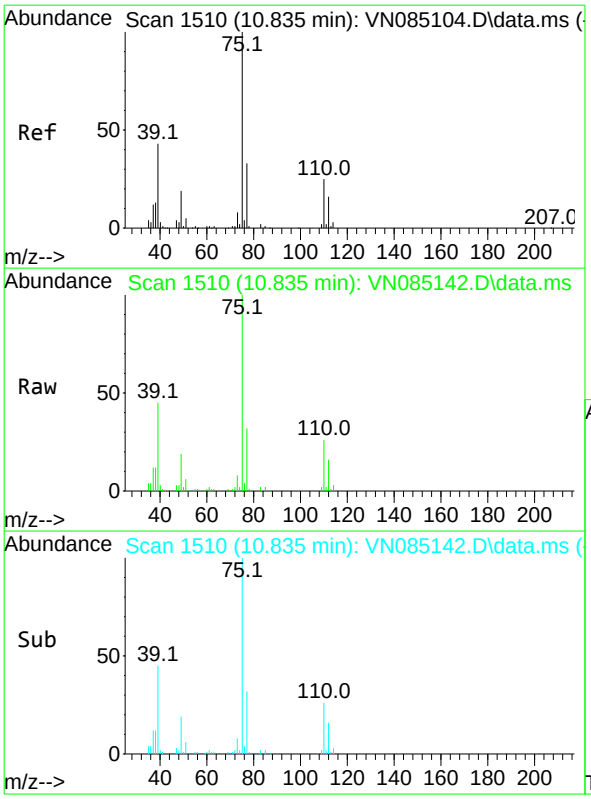


#52
Toluene
Concen: 54.081 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 92 Resp: 245225

Ion	Ratio	Lower	Upper
92	100		
91	170.5	136.7	205.1

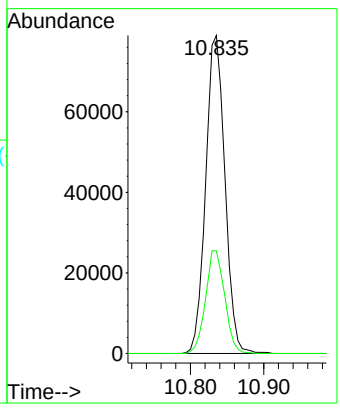




#53
t-1,3-Dichloropropene
Concen: 51.589 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 75 Resp: 143697

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.0	37.4



Instrument :
MSVOA_N
ClientSampleId :
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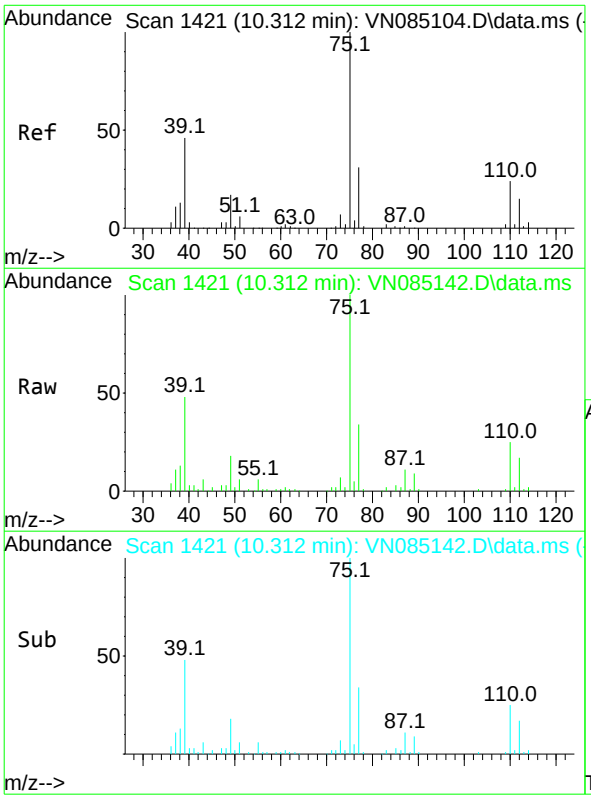
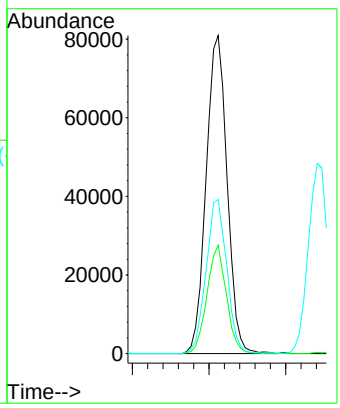
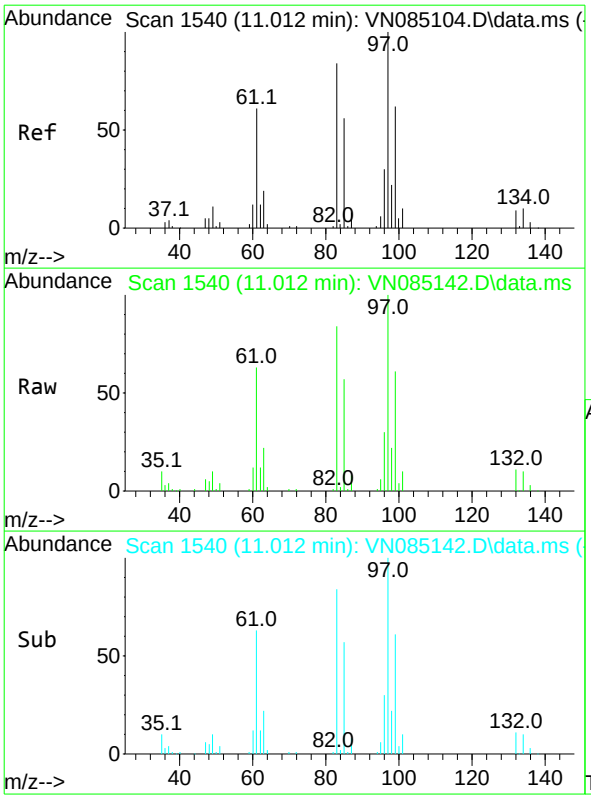


#54
cis-1,3-Dichloropropene
Concen: 51.984 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 75 Resp: 153615

Ion	Ratio	Lower	Upper
75	100		
77	34.0	25.0	37.4
39	48.4	37.6	56.4

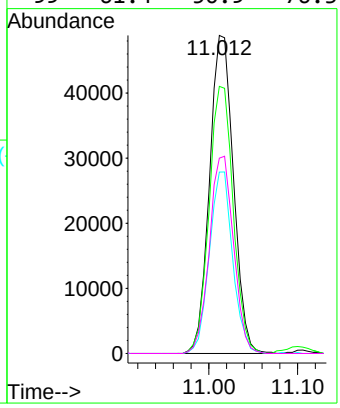




#55
1,1,2-Trichloroethane
Concen: 54.241 ug/l
RT: 11.012 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 97 Resp: 91610

Ion	Ratio	Lower	Upper
97	100		
83	84.0	67.4	101.2
85	57.0	43.1	64.7
99	61.4	50.9	76.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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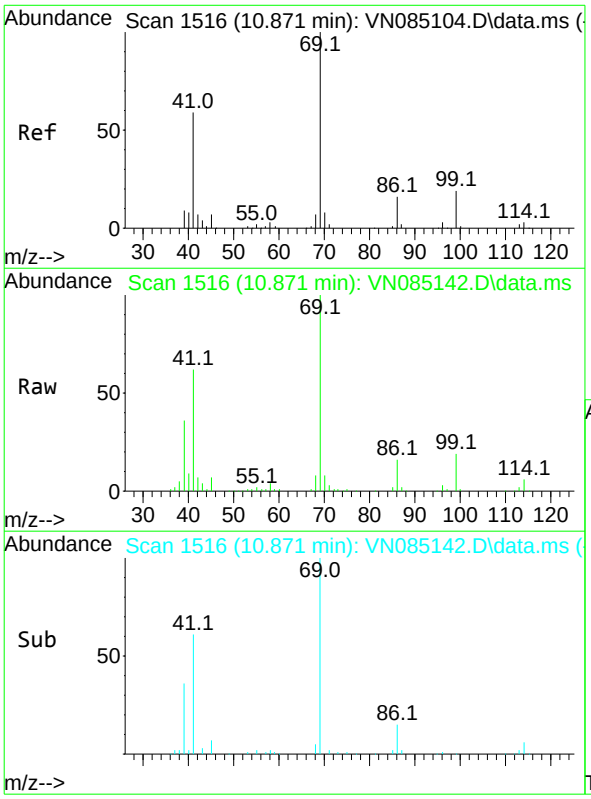
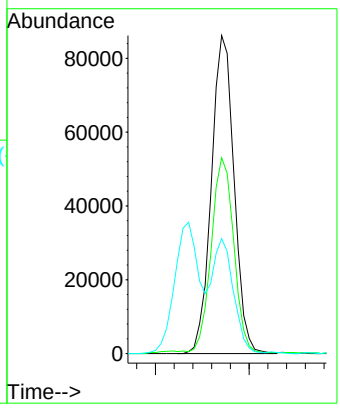
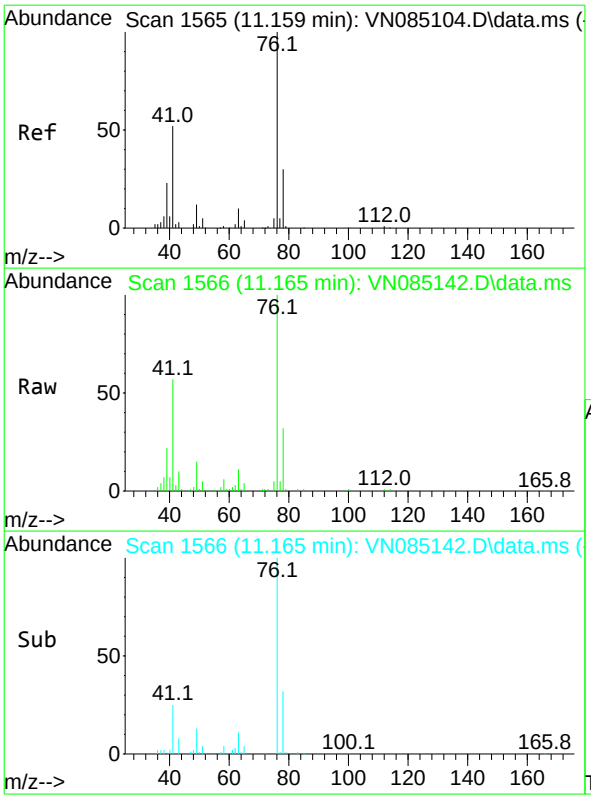


#56
Ethyl methacrylate
Concen: 58.759 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 69 Resp: 145017

Ion	Ratio	Lower	Upper
69	100		
41	60.6	50.0	75.0
39	33.6	27.0	40.6

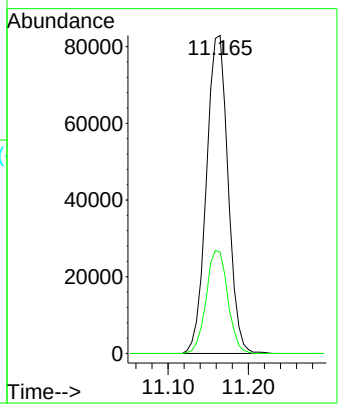




#57
1,3-Dichloropropane
Concen: 52.074 ug/l
RT: 11.165 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 76 Resp: 154792

Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.1	39.1



Instrument :
MSVOA_N
ClientSampleId :
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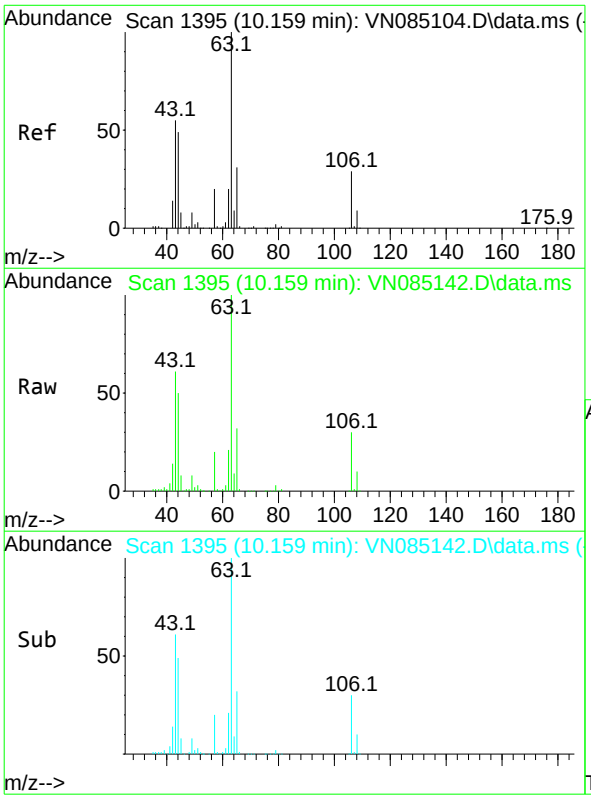
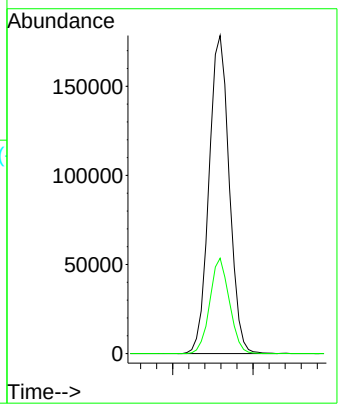
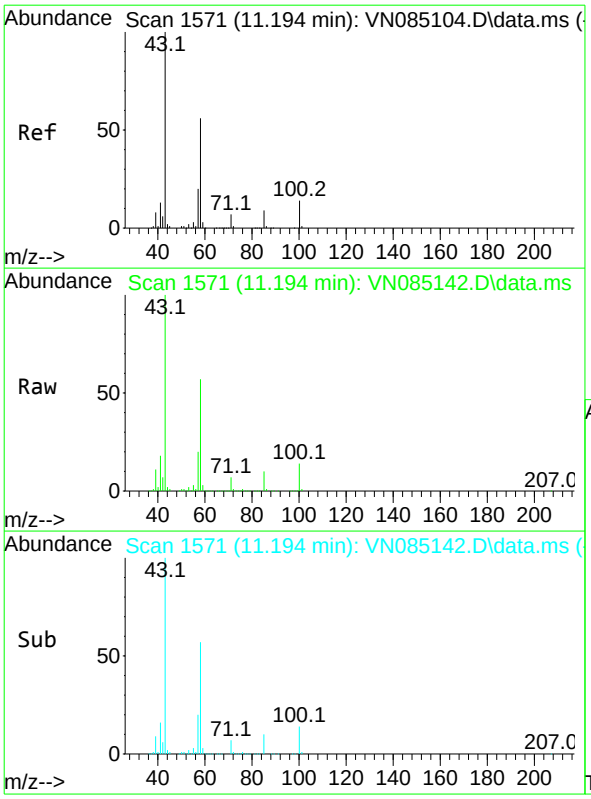


#58
2-Chloroethyl Vinyl ether
Concen: 258.243 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 63 Resp: 312633

Ion	Ratio	Lower	Upper
63	100		
106	29.0	23.0	34.6





#59
2-Hexanone
Concen: 299.229 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 43 Resp: 467460

Ion	Ratio	Lower	Upper
43	100		
58	56.5	28.3	85.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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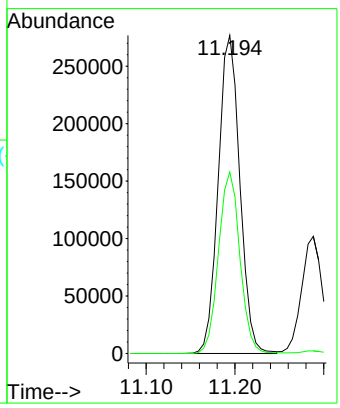
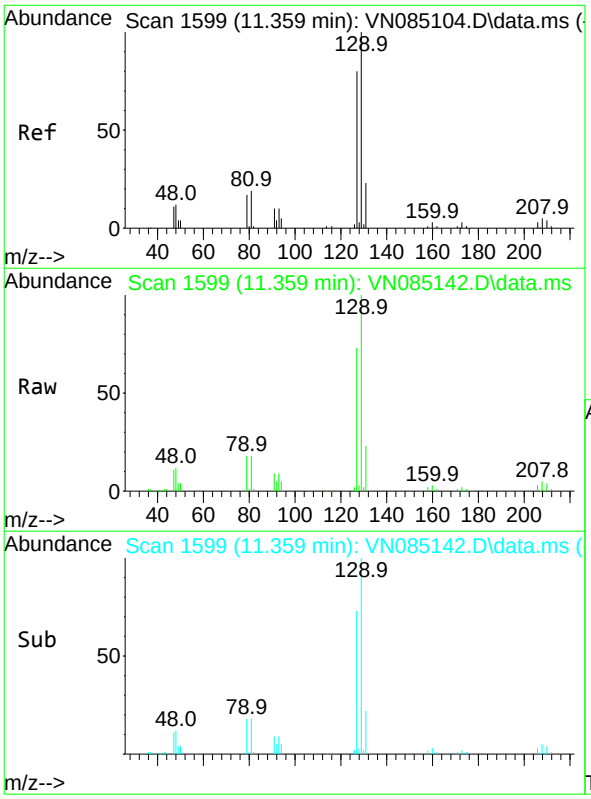
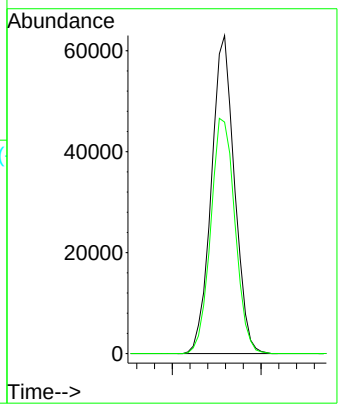


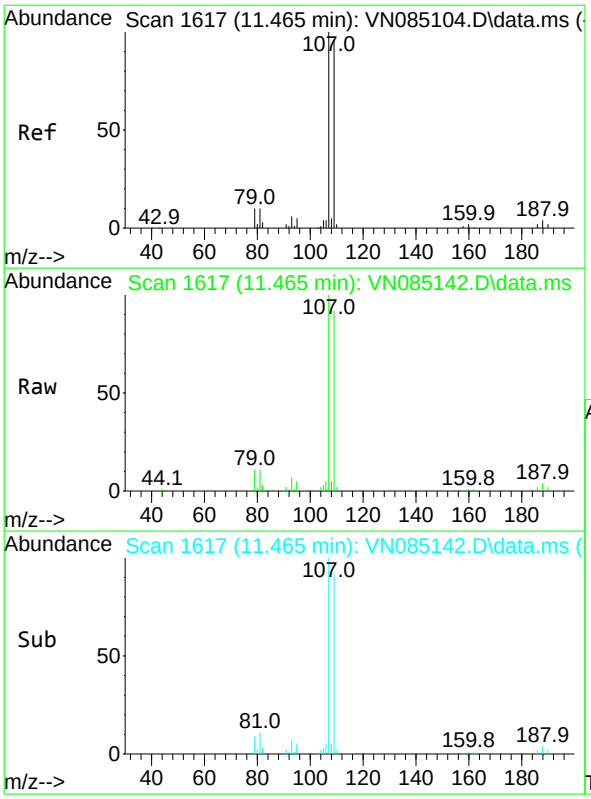


#60
Dibromochloromethane
Concen: 55.238 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:129 Resp: 114019

Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.2	117.6





#61
1,2-Dibromoethane
Concen: 53.317 ug/l
RT: 11.465 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:107 Resp: 93195

Ion	Ratio	Lower	Upper
107	100		
109	92.3	76.1	114.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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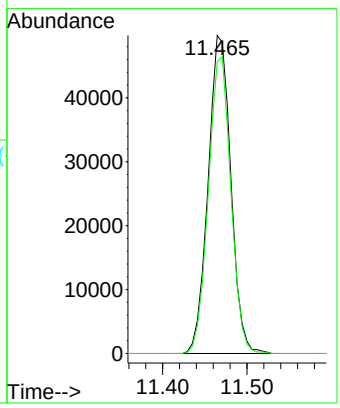
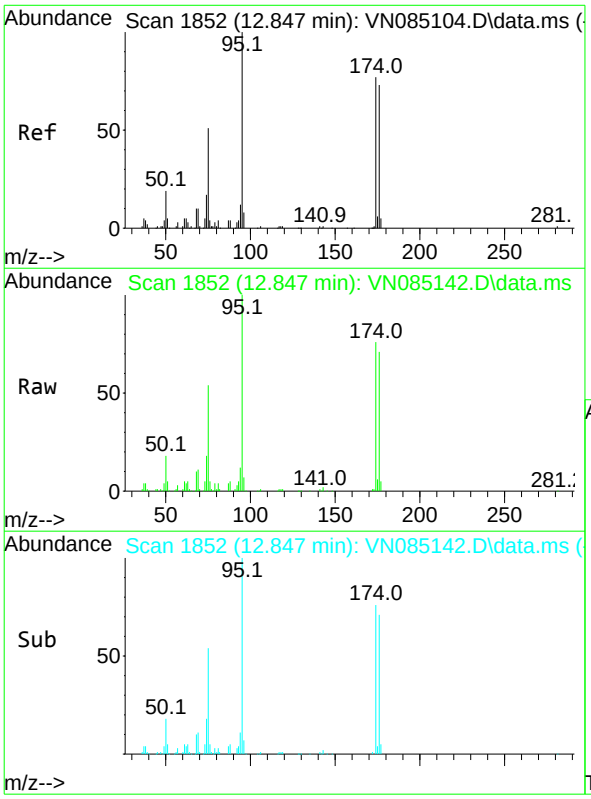
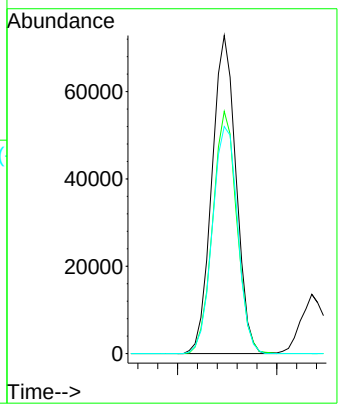


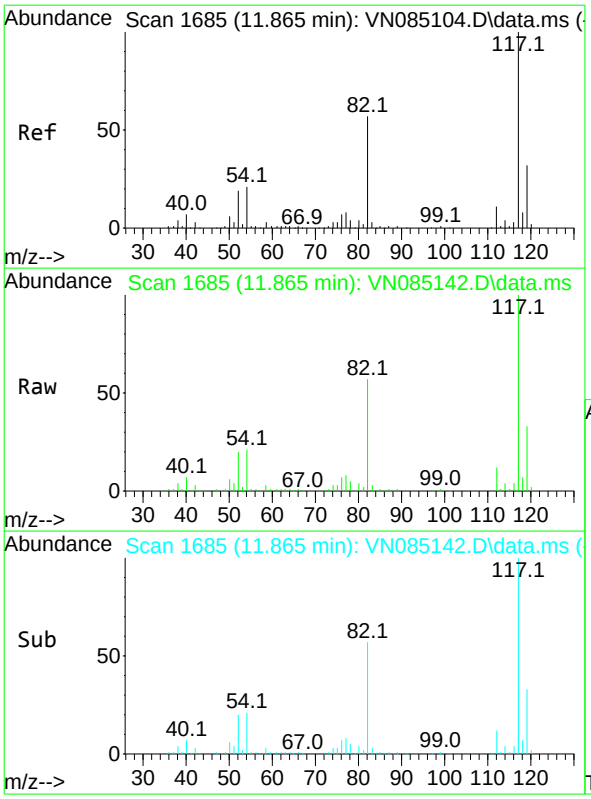


#62
4-Bromofluorobenzene
Concen: 51.412 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 95 Resp: 123192

Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	146.6
176	74.5	0.0	141.8

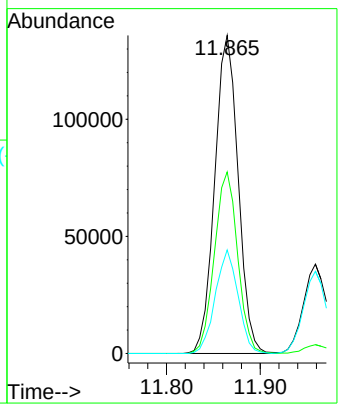




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:117 Resp: 235660

Ion	Ratio	Lower	Upper
117	100		
82	57.1	46.0	69.0
119	32.6	25.6	38.4



Instrument :
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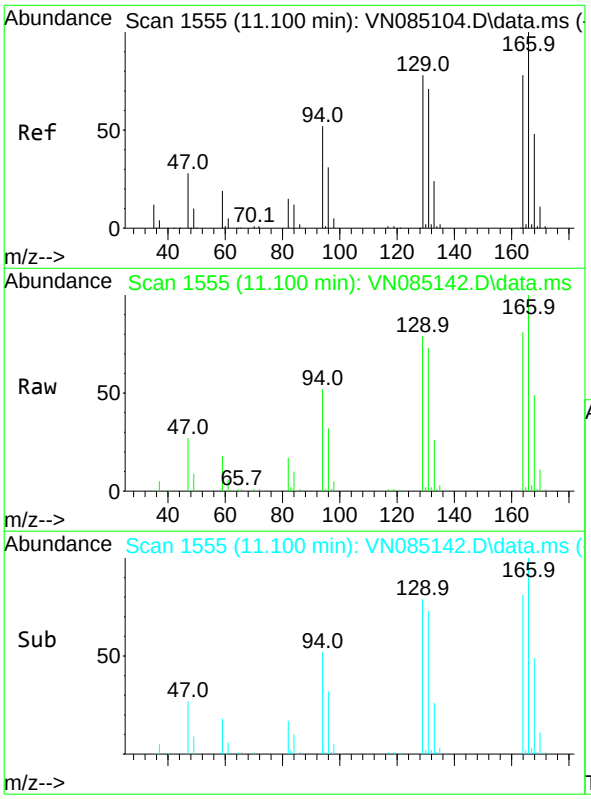
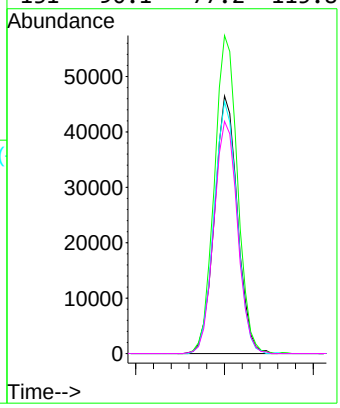
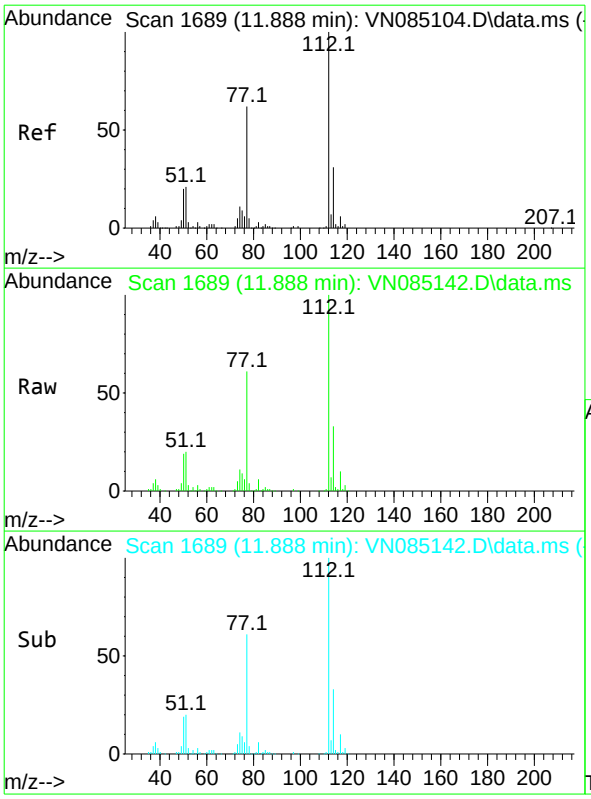


#64
Tetrachloroethene
Concen: 52.620 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:164 Resp: 83557

Ion	Ratio	Lower	Upper
164	100		
166	123.5	100.6	151.0
129	97.8	77.7	116.5
131	90.1	77.2	115.8

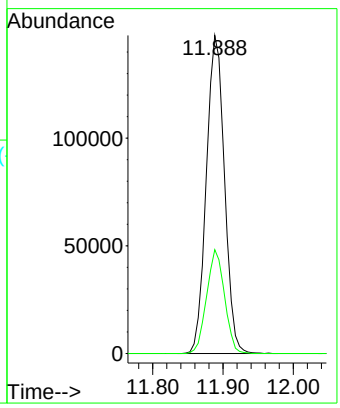




#65
Chlorobenzene
Concen: 49.550 ug/l
RT: 11.888 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:112 Resp: 264819

Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.8	38.6



Instrument :
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ClientSampleId :
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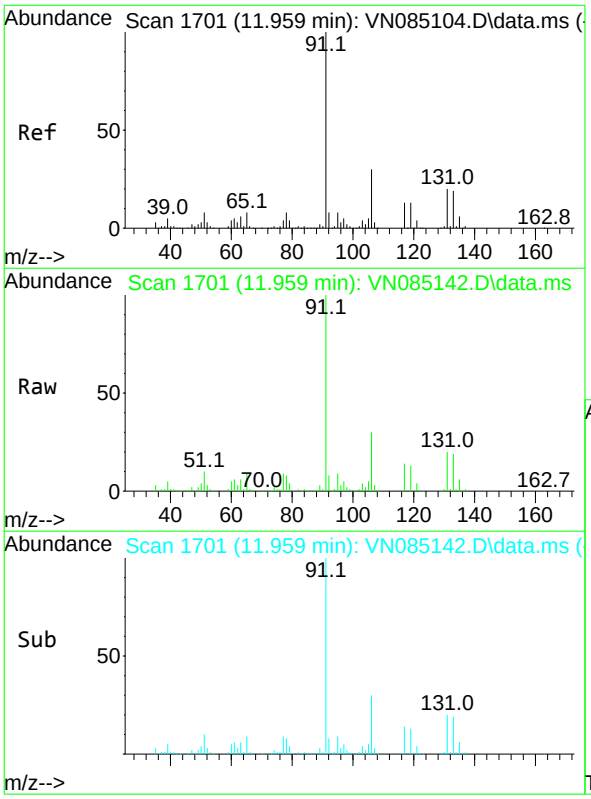
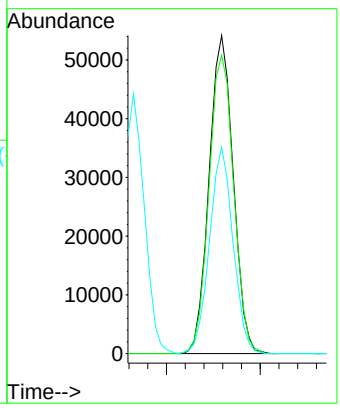
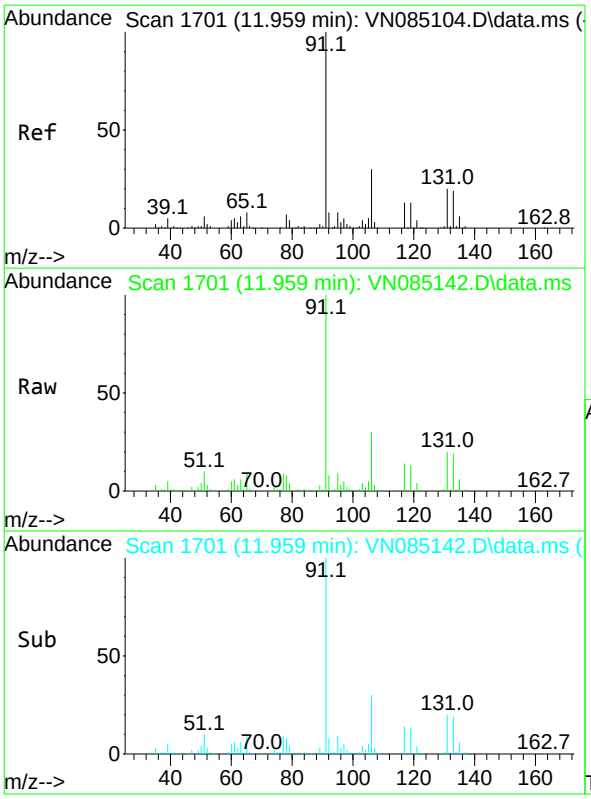


#66
1,1,1,2-Tetrachloroethane
Concen: 51.493 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:131 Resp: 96896

Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.8	143.4
119	63.3	32.1	96.3

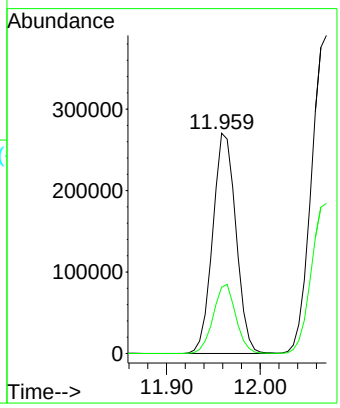




#67
Ethyl Benzene
Concen: 53.779 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 91 Resp: 466309

Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.7	37.1



Instrument :
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VSTDCCC050

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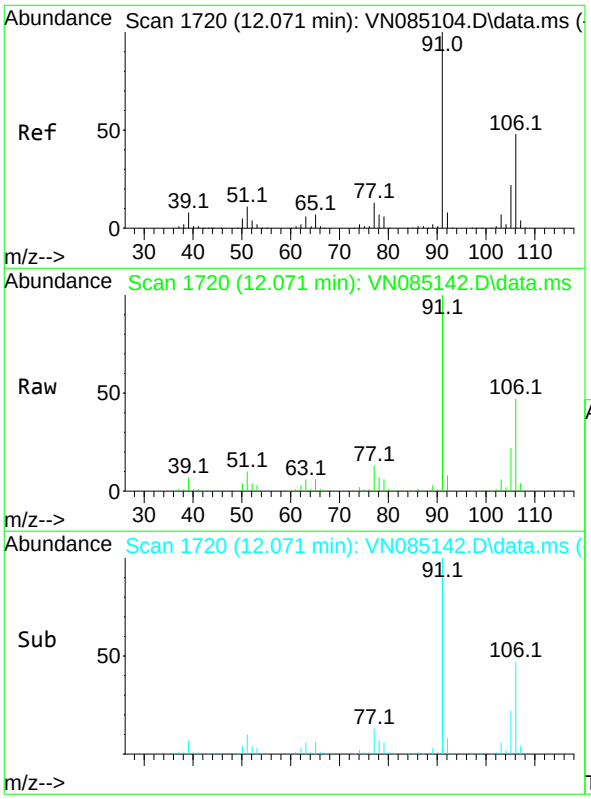
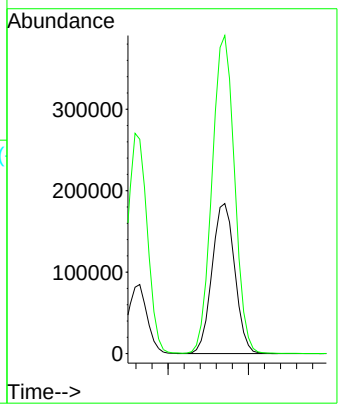
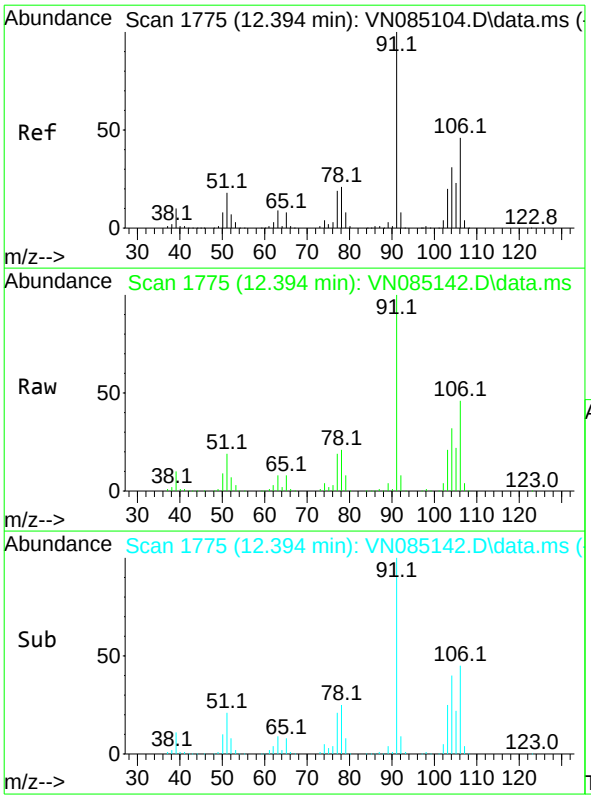


#68
m/p-Xylenes
Concen: 109.841 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:106 Resp: 362598

Ion	Ratio	Lower	Upper
106	100		
91	209.6	168.0	252.0

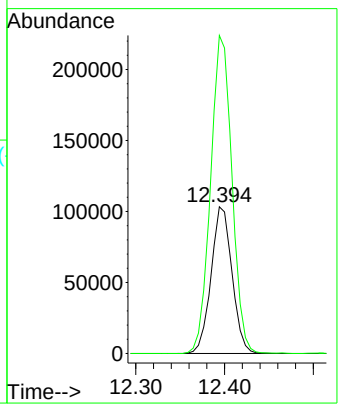




#69
o-Xylene
Concen: 53.945 ug/l
RT: 12.394 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:106 Resp: 169397

Ion	Ratio	Lower	Upper
106	100		
91	221.5	110.7	331.9



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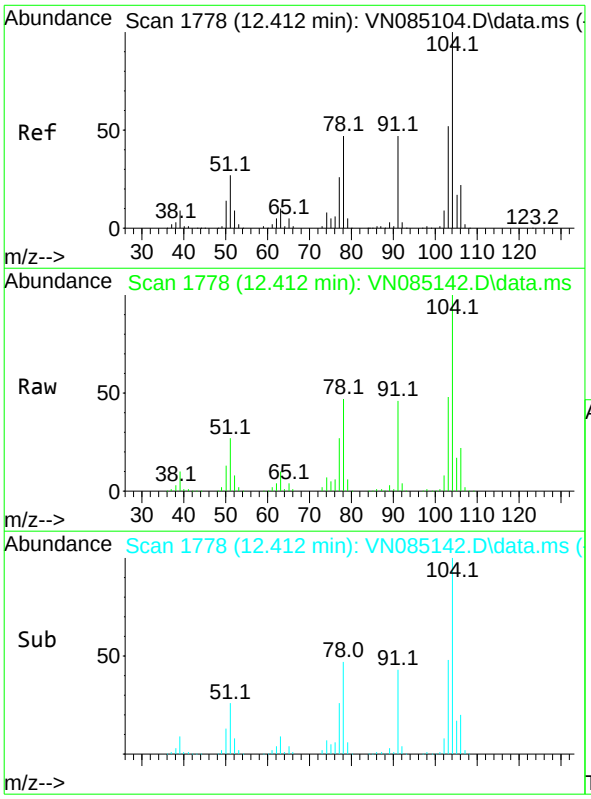
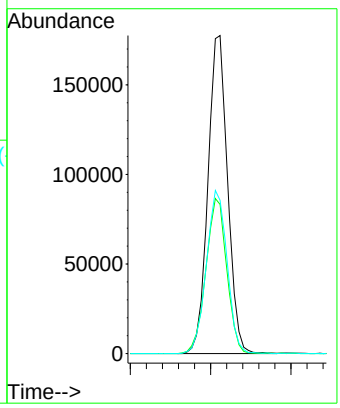
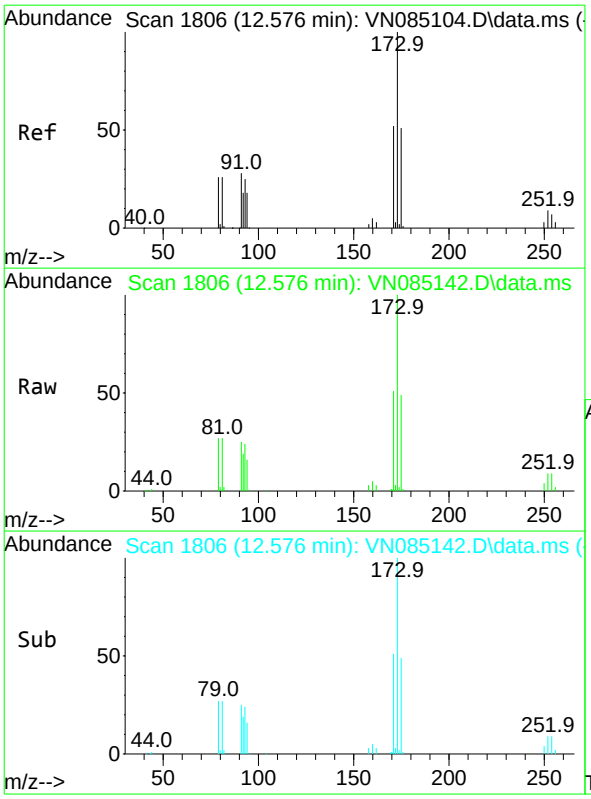


#70
Styrene
Concen: 57.790 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:104 Resp: 301784

Ion	Ratio	Lower	Upper
104	100		
78	51.7	42.3	63.5
103	54.2	44.2	66.2

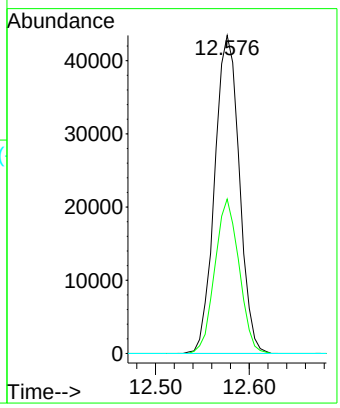




#71
Bromoform
Concen: 56.742 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:173 Resp: 79256

Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.8	71.2
254	0.0	0.0	0.0



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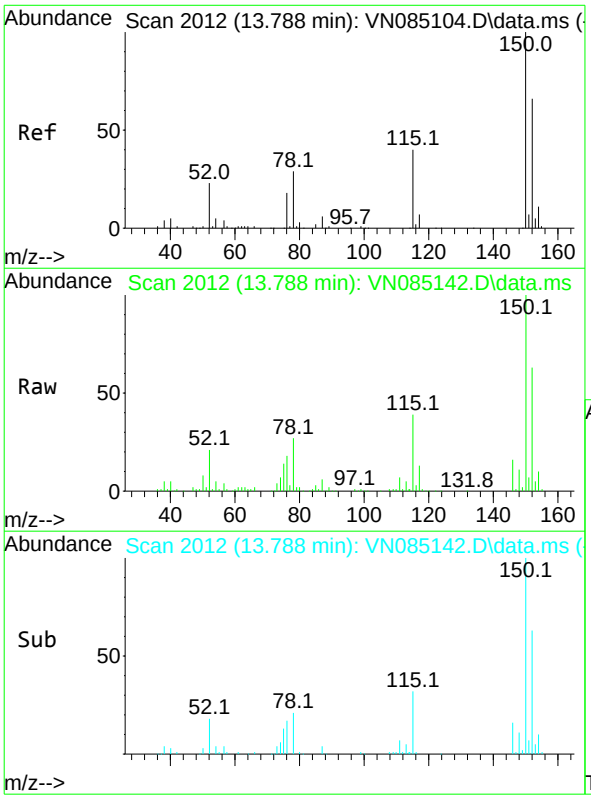
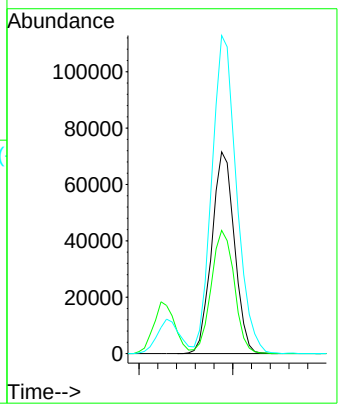
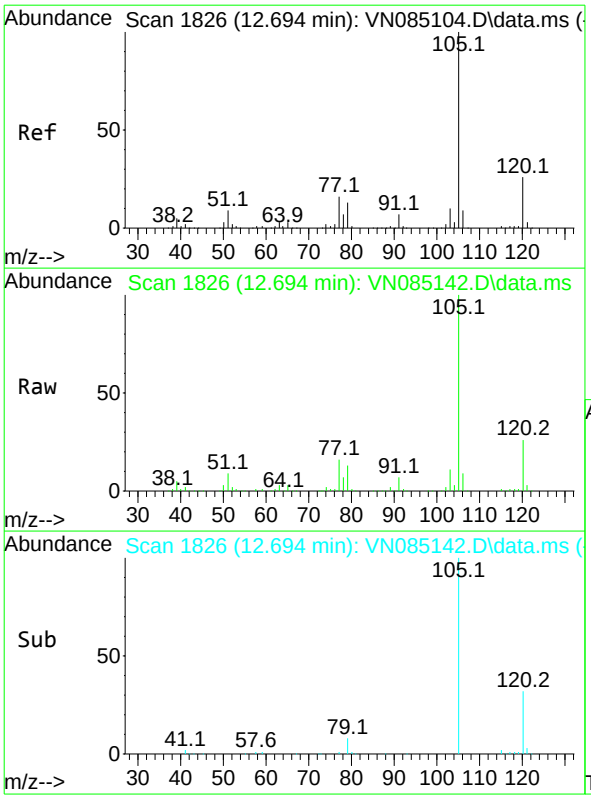


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:152 Resp: 120023

Ion	Ratio	Lower	Upper
152	100		
115	62.3	31.7	95.1
150	171.3	0.0	351.4

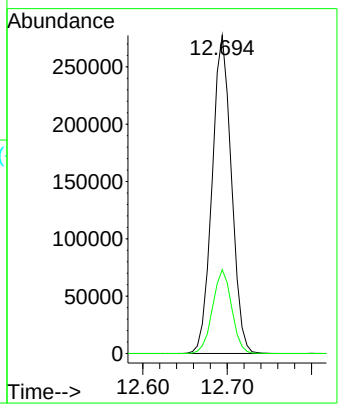




#73
Isopropylbenzene
Concen: 52.158 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:105 Resp: 441629

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	39.0



Instrument :
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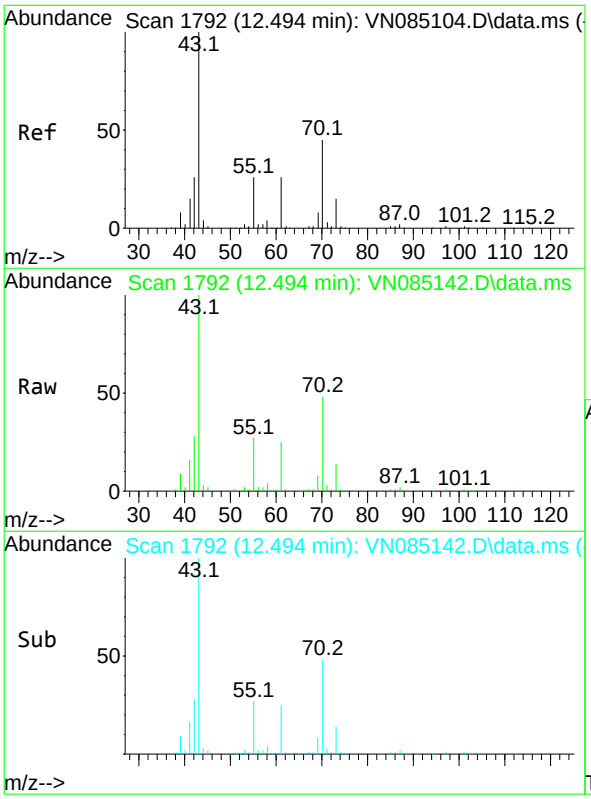
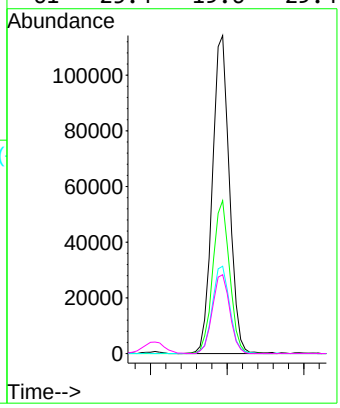
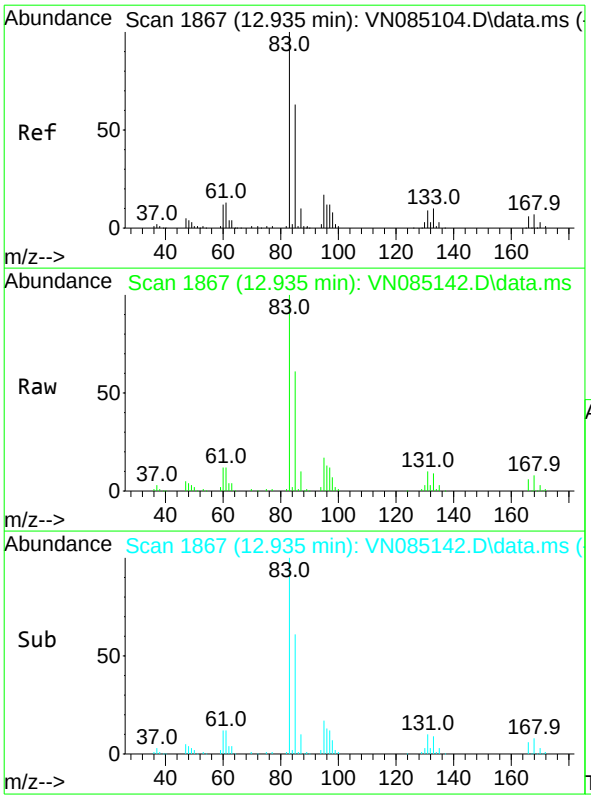


#74
N-amyl acetate
Concen: 50.480 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 43 Resp: 176132

Ion	Ratio	Lower	Upper
43	100		
70	47.3	34.6	51.8
55	28.0	20.5	30.7
61	25.4	19.6	29.4

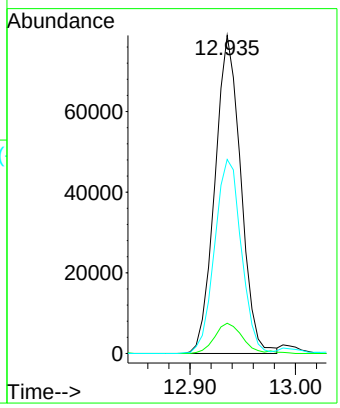




#75
1,1,2,2-Tetrachloroethane
Concen: 46.462 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 83 Resp: 134339

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.1	15.4
85	62.9	32.1	96.3



Instrument :
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ClientSampleId :
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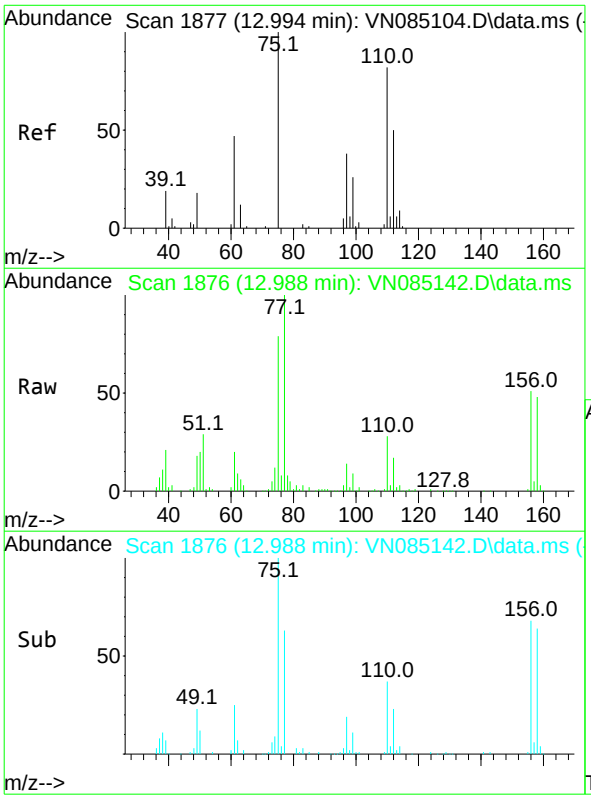
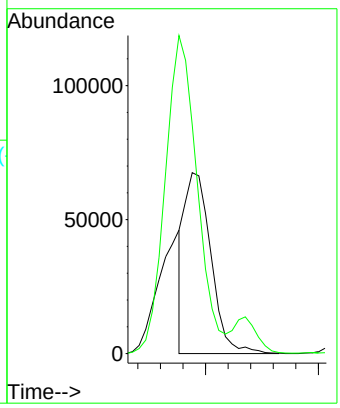
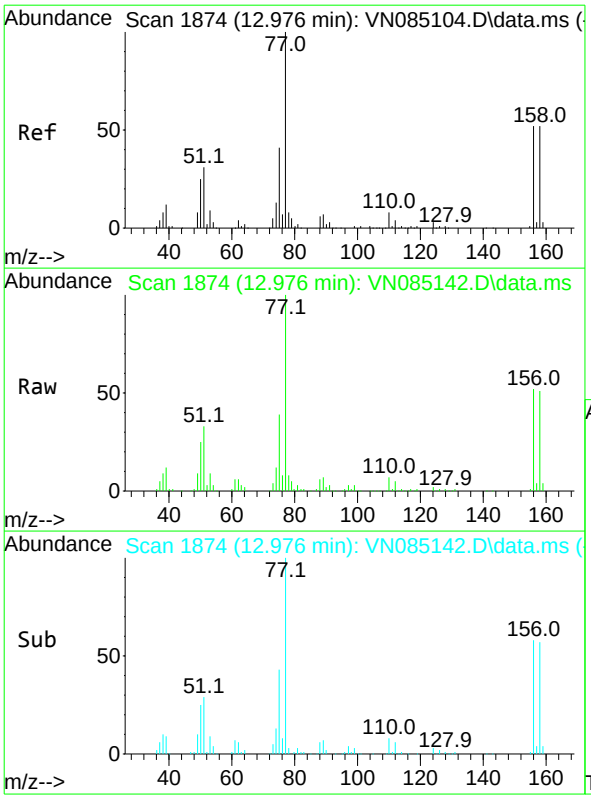


#76
1,2,3-Trichloropropane
Concen: 50.213 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 75 Resp: 109621

Ion	Ratio	Lower	Upper
75	100		
77	212.9	109.1	327.4





#77
Bromobenzene
Concen: 48.098 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:156 Resp: 109596

Ion	Ratio	Lower	Upper
156	100		
77	213.0	107.2	321.6
158	97.8	48.5	145.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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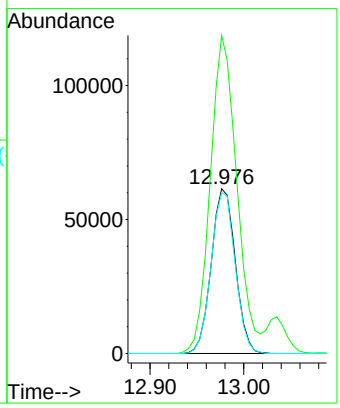
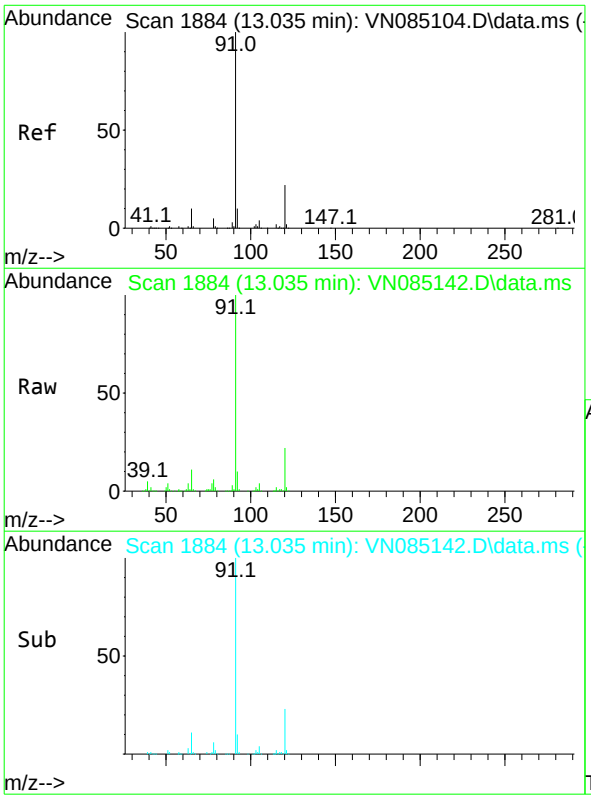
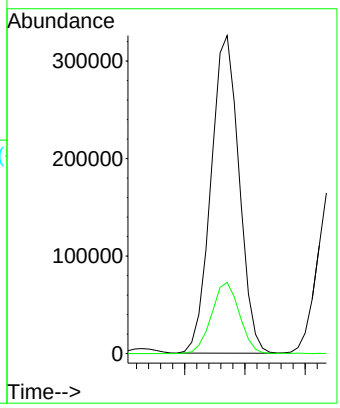


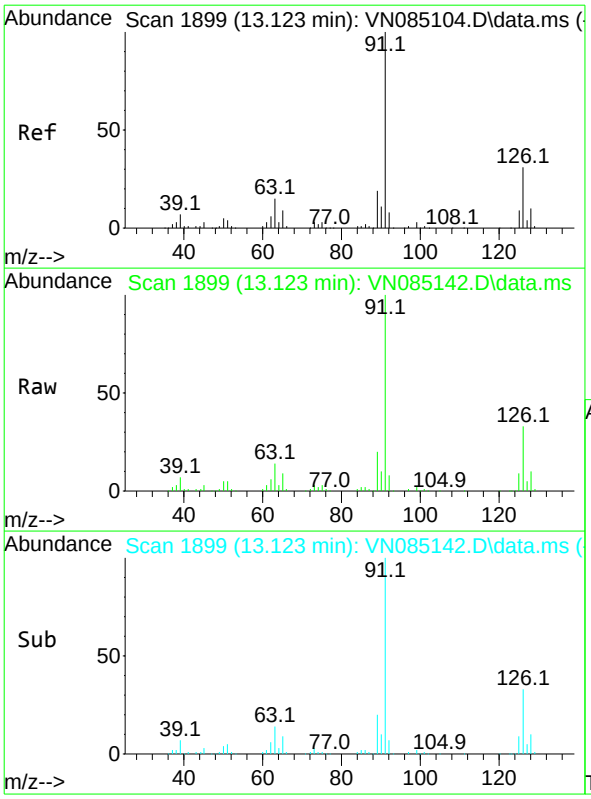


#78
n-propylbenzene
Concen: 54.068 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 91 Resp: 528037

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.3	33.9

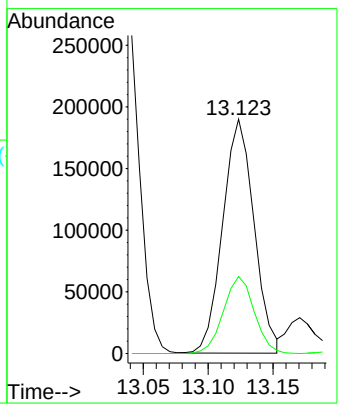




#79
2-Chlorotoluene
Concen: 48.981 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 91 Resp: 319326

Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.1	48.3



Instrument :
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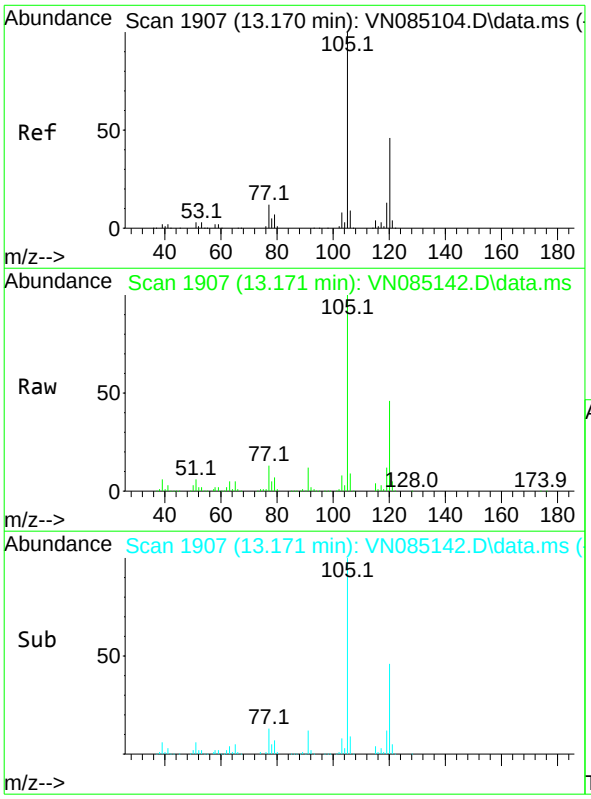
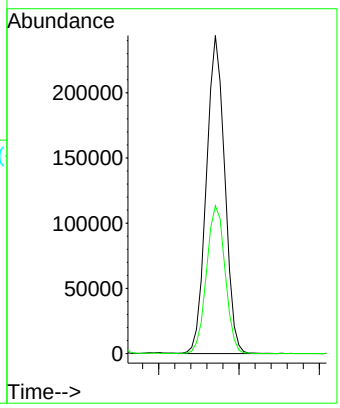
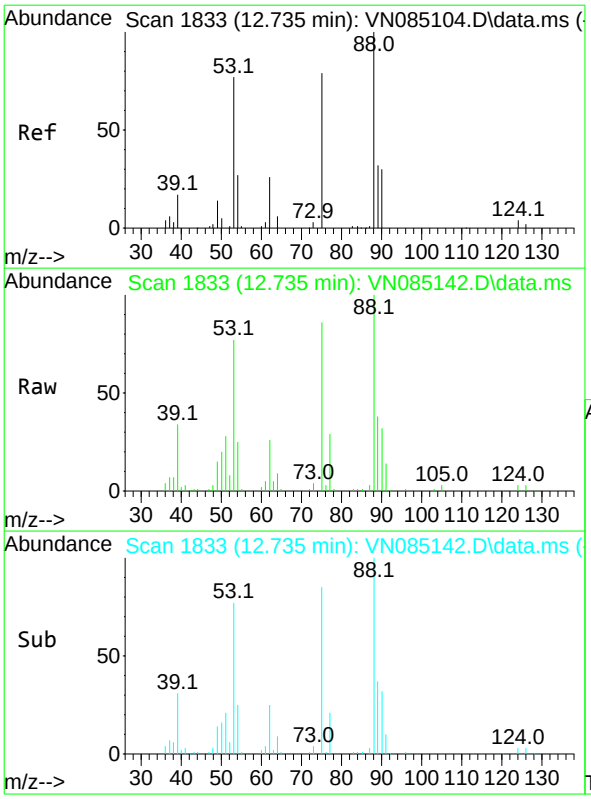


#80
1,3,5-Trimethylbenzene
Concen: 54.491 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:105 Resp: 387163

Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.6	71.0





#81
trans-1,4-Dichloro-2-butene
Concen: 49.850 ug/l m
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 75 Resp: 49298

Ion	Ratio	Lower	Upper
75	100		
53	92.4	78.2	117.4
89	45.0	37.9	56.9

Instrument :
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ClientSampleId :
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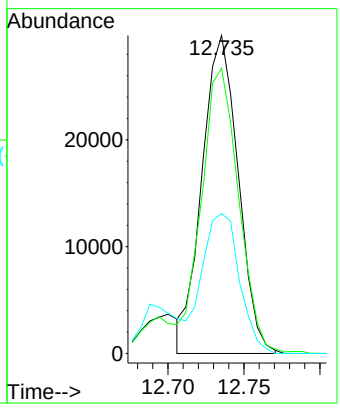
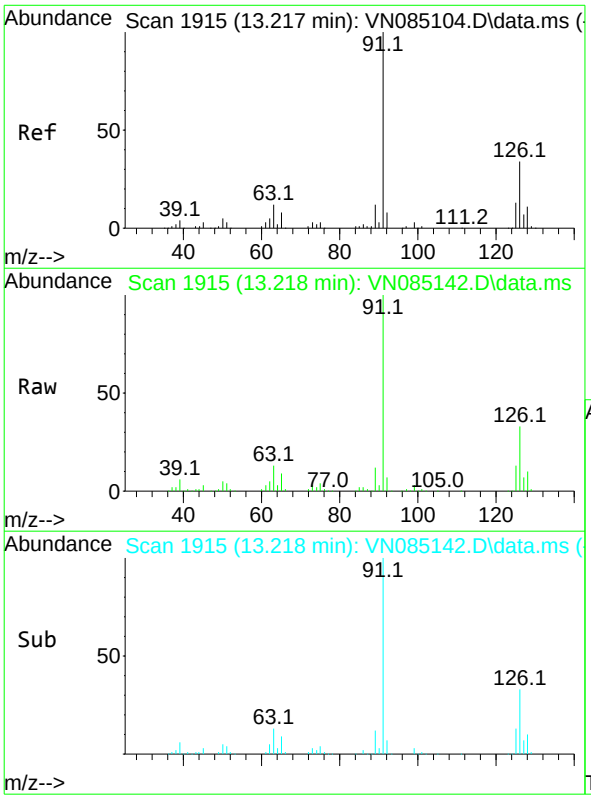
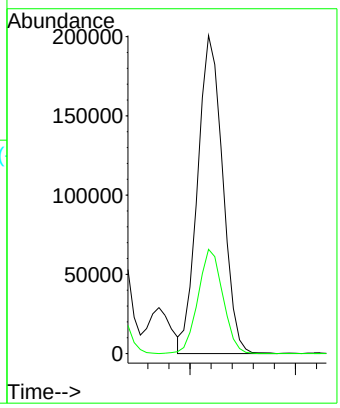


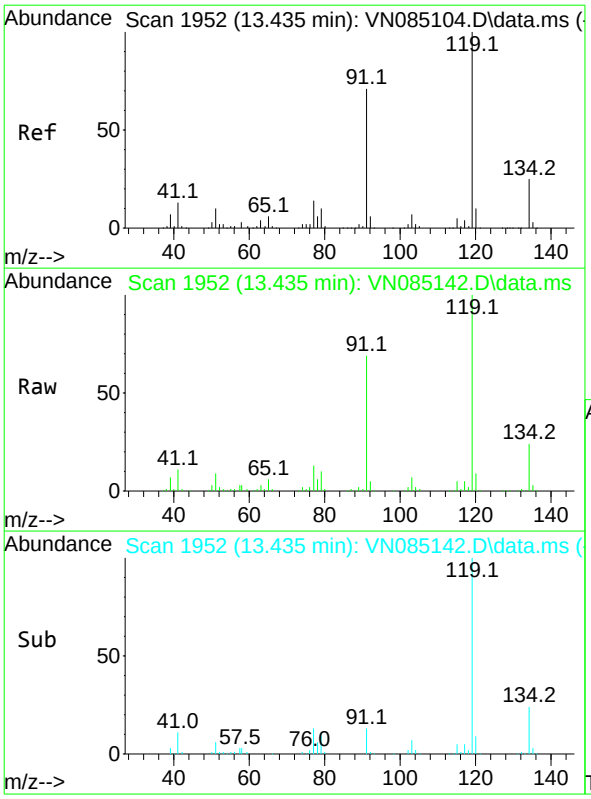


#82
4-Chlorotoluene
Concen: 48.778 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 91 Resp: 331046

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3

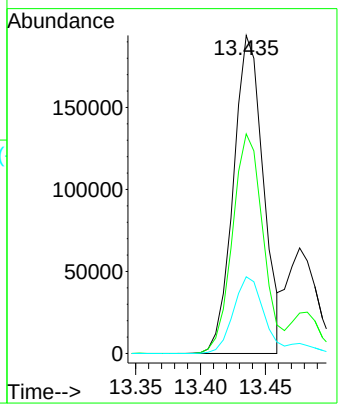




#83
tert-Butylbenzene
Concen: 50.852 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:119 Resp: 310870

Ion	Ratio	Lower	Upper
119	100		
91	71.2	35.1	105.5
134	24.5	12.1	36.3



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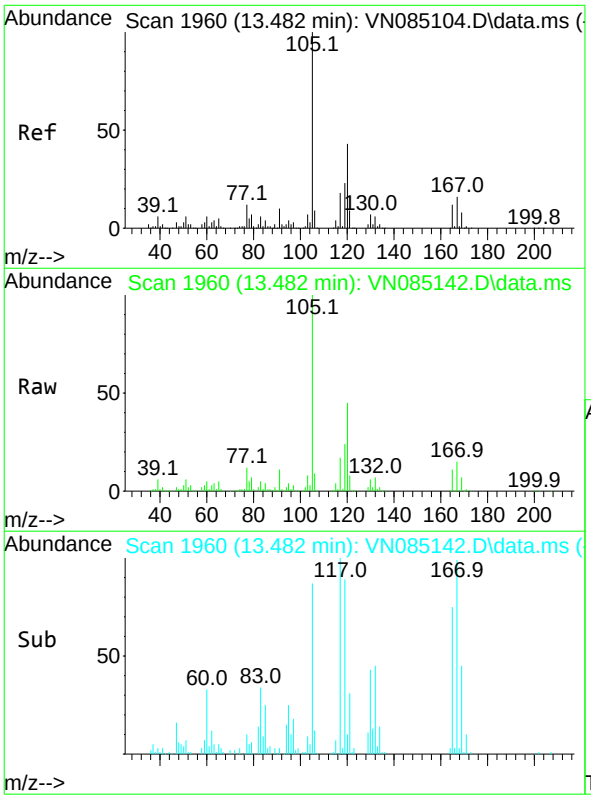
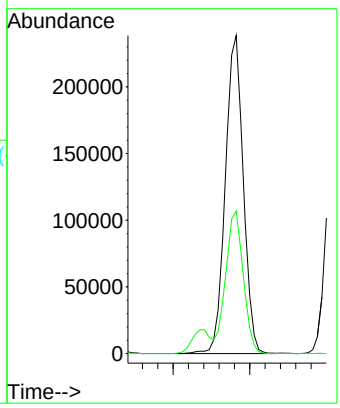
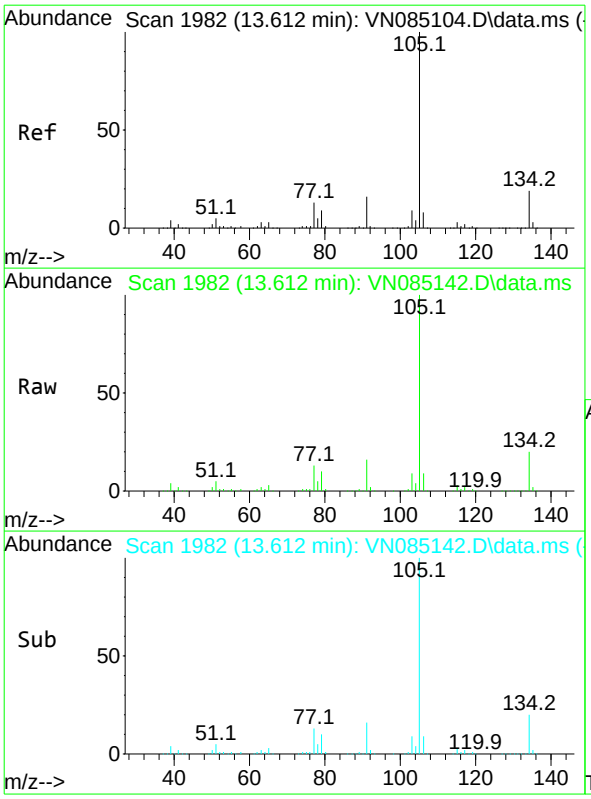


#84
1,2,4-Trimethylbenzene
Concen: 53.047 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:105 Resp: 387968

Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.8	65.4

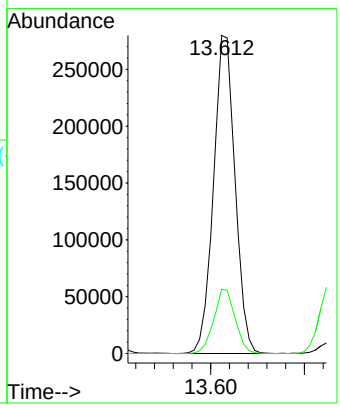




#85
sec-Butylbenzene
Concen: 54.132 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:105 Resp: 447037

Ion	Ratio	Lower	Upper
105	100		
134	20.0	9.8	29.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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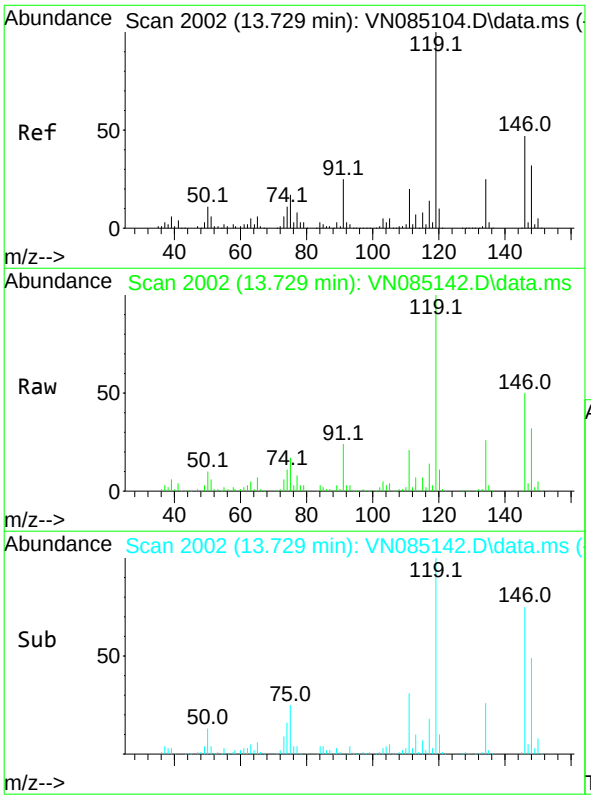
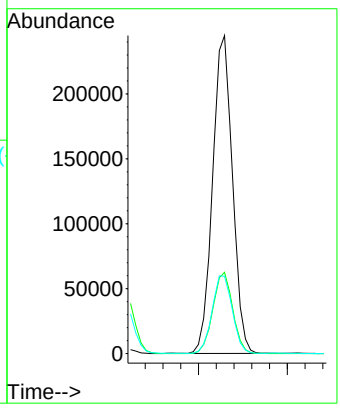
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

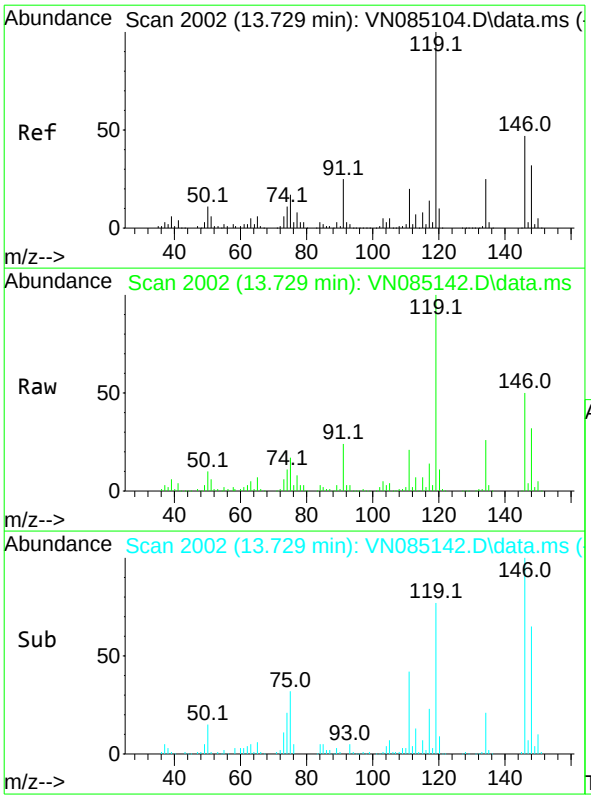


#86
p-Isopropyltoluene
Concen: 55.734 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:119 Resp: 379947

Ion	Ratio	Lower	Upper
119	100		
134	25.5	13.0	39.0
91	24.9	12.8	38.4

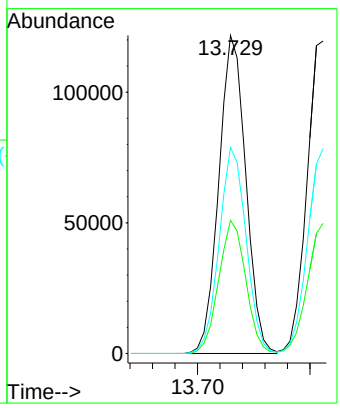




#87
1,3-Dichlorobenzene
Concen: 45.047 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:146 Resp: 202457

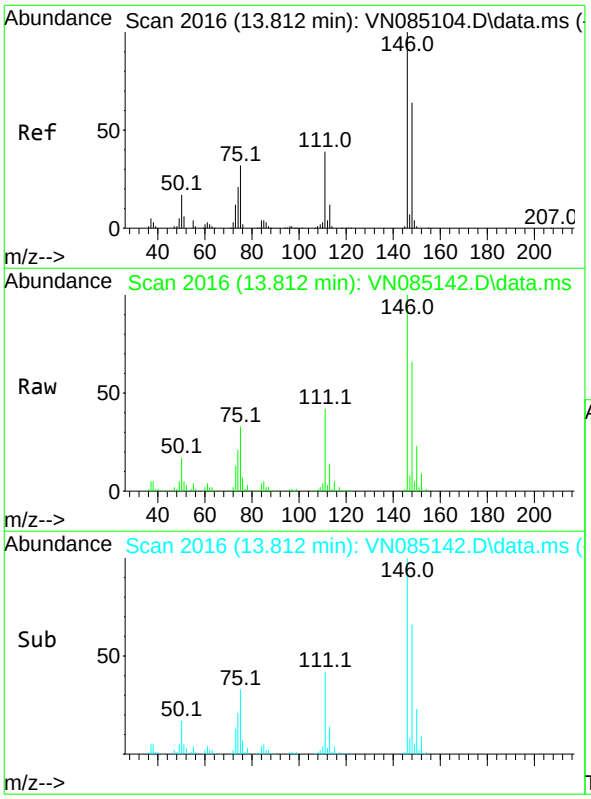
Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.6	65.0
148	64.8	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

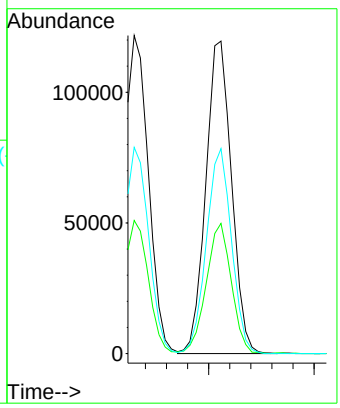
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

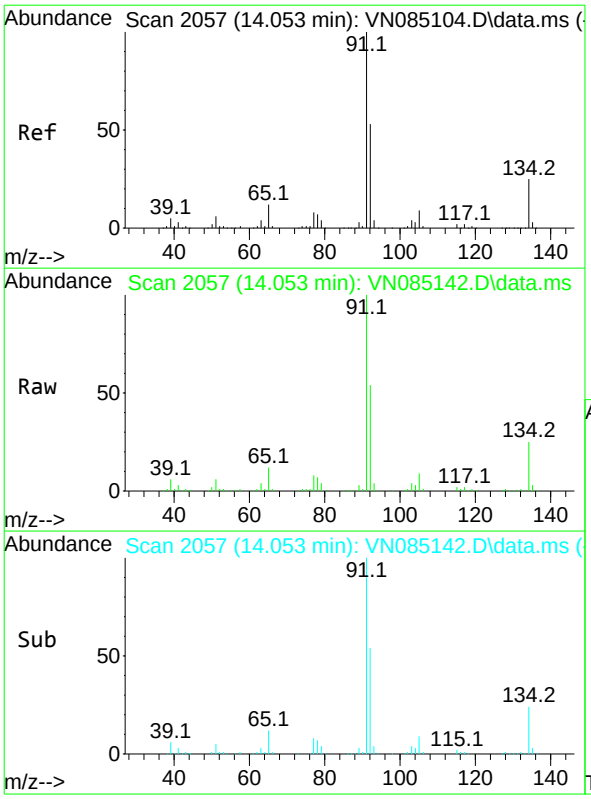


#88
1,4-Dichlorobenzene
Concen: 44.203 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:146 Resp: 202736

Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.9	62.8
148	64.1	31.3	93.9

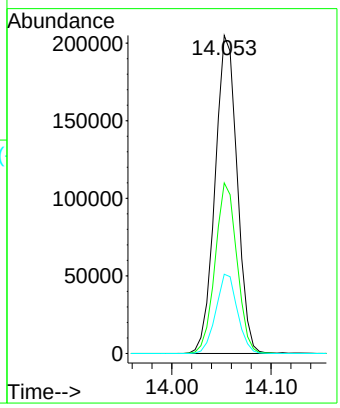




#89
n-Butylbenzene
Concen: 50.053 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 91 Resp: 317319

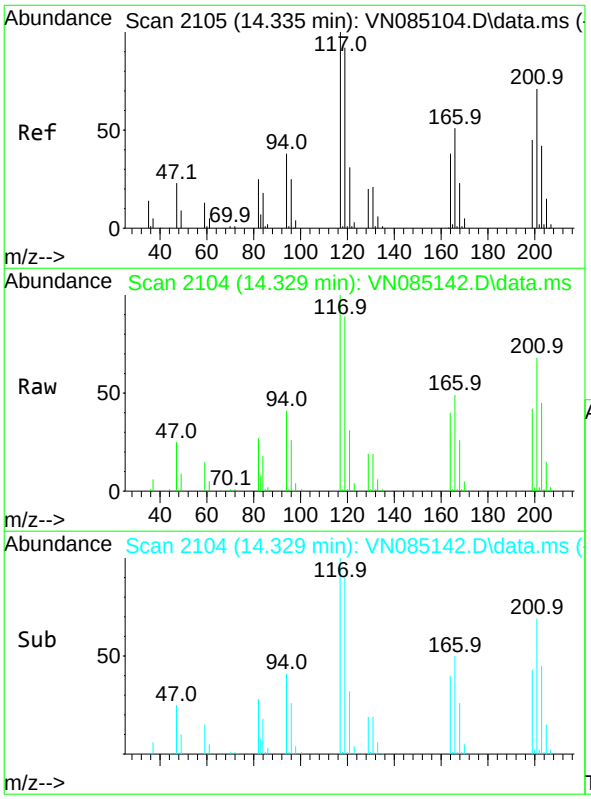
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.8	80.3
134	24.3	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

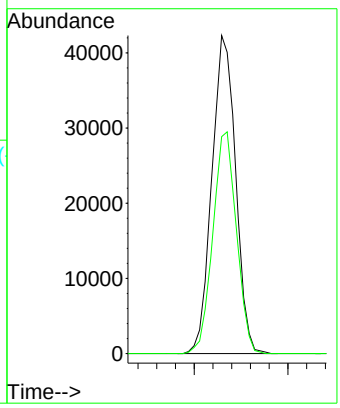
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

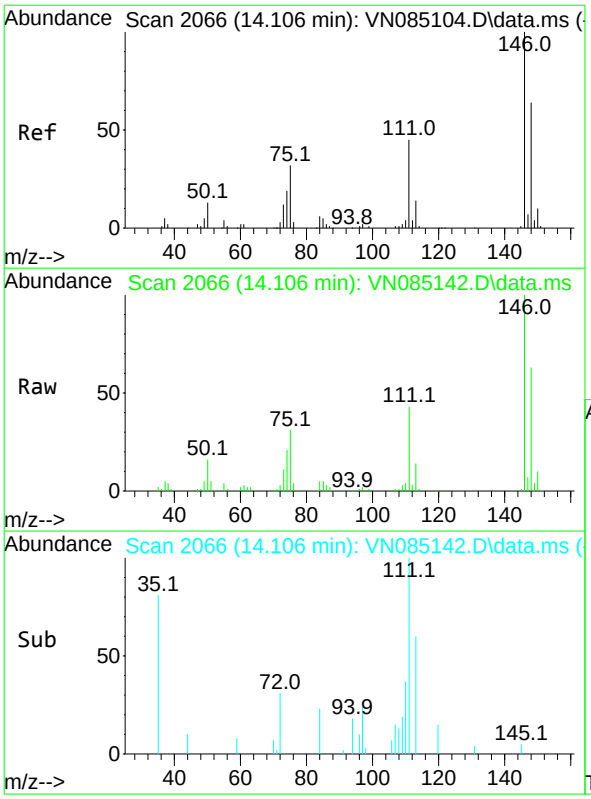


#90
Hexachloroethane
Concen: 50.159 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:117 Resp: 74535

Ion	Ratio	Lower	Upper
117	100		
201	69.3	35.2	105.6

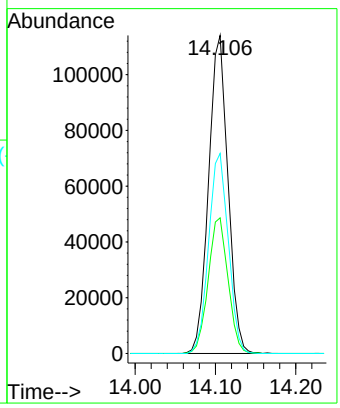




#91
1,2-Dichlorobenzene
Concen: 44.283 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:146 Resp: 190711

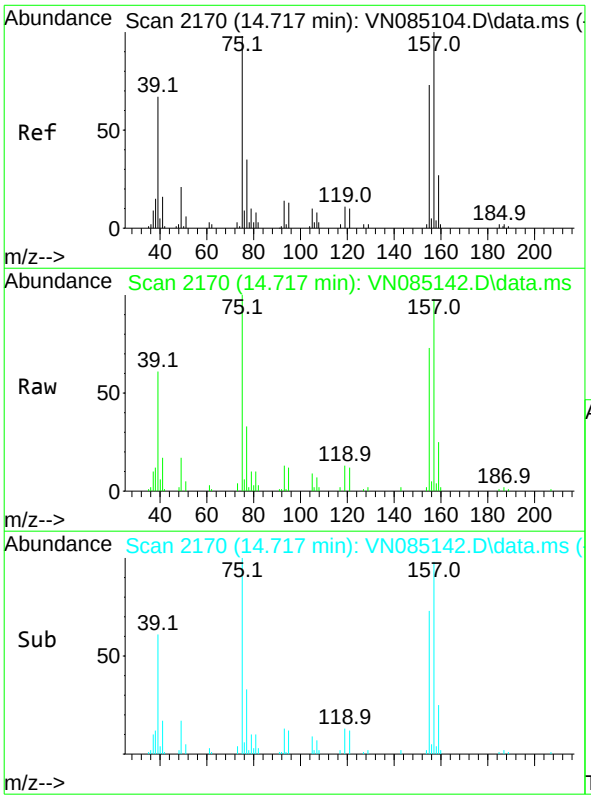
Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.9	65.8
148	63.9	31.1	93.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

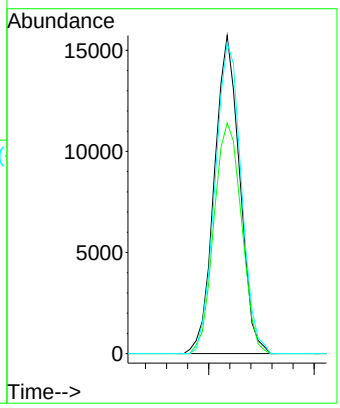
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

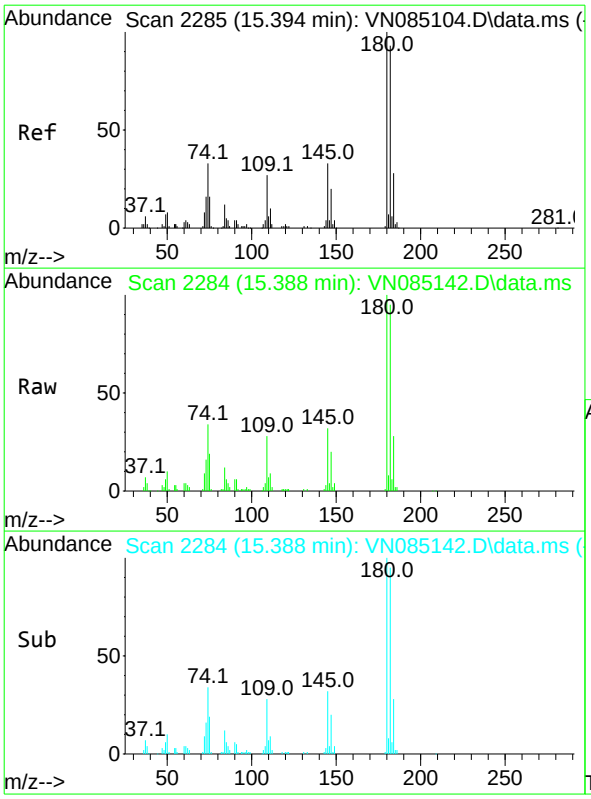


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.961 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 75 Resp: 26256

Ion	Ratio	Lower	Upper
75	100		
155	78.7	38.9	116.7
157	100.4	48.3	144.9





#93
1,2,4-Trichlorobenzene
Concen: 42.133 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:180 Resp: 98579

Ion	Ratio	Lower	Upper
180	100		
182	93.3	46.9	140.8
145	32.4	16.3	48.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
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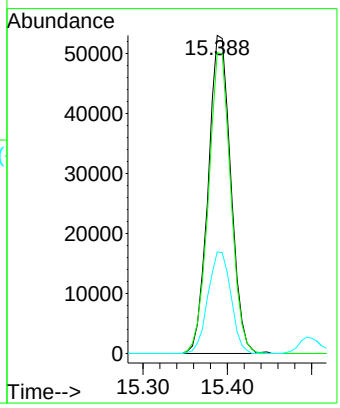
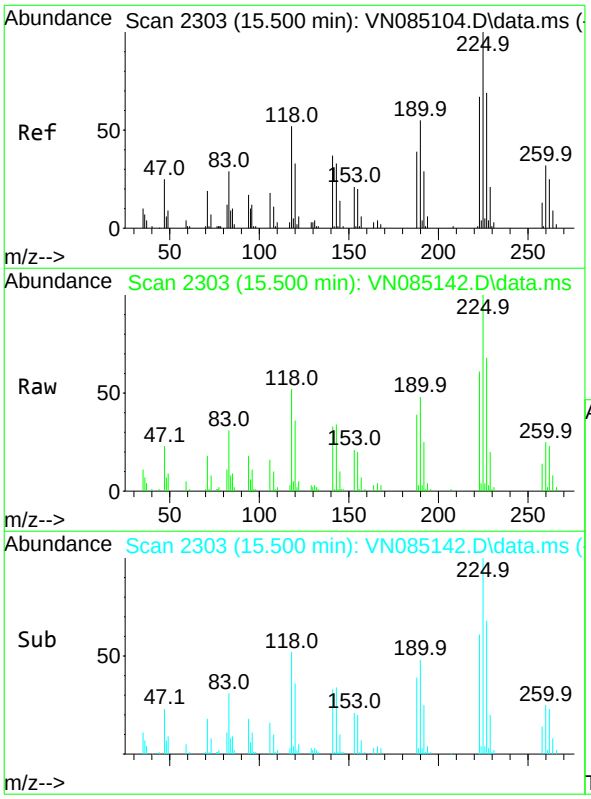
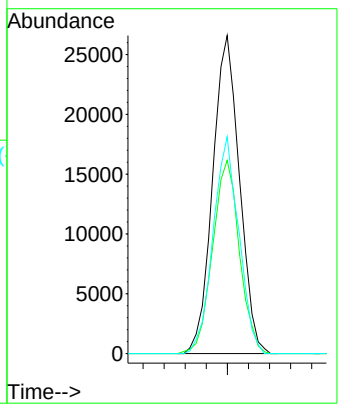


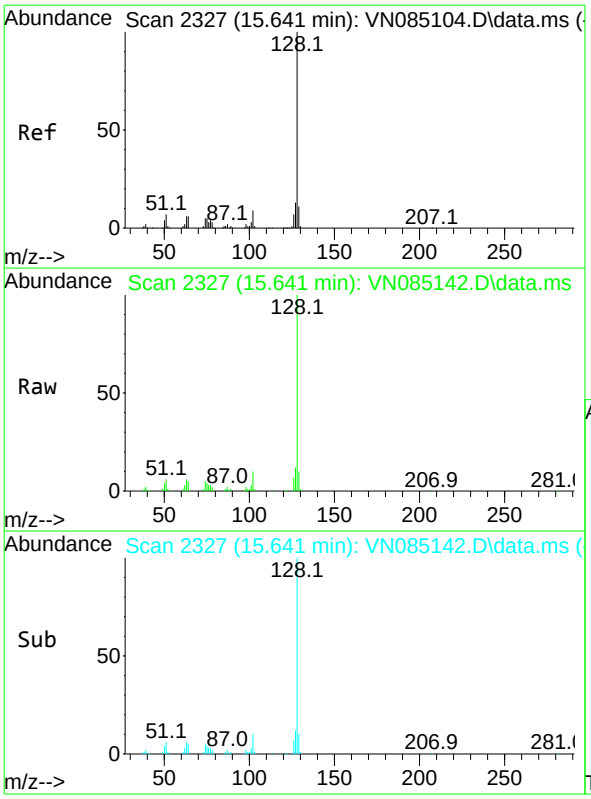


#94
Hexachlorobutadiene
Concen: 43.472 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:225 Resp: 46941

Ion	Ratio	Lower	Upper
225	100		
223	60.7	30.9	92.8
227	65.5	31.5	94.5





#95
Naphthalene
Concen: 44.981 ug/l
RT: 15.641 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

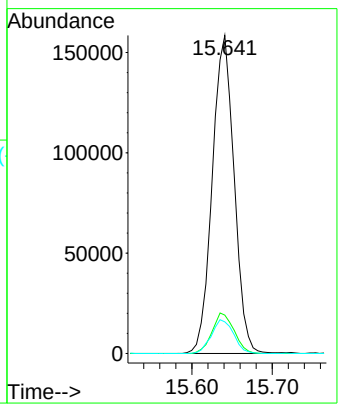
Tgt Ion:128 Resp: 299742

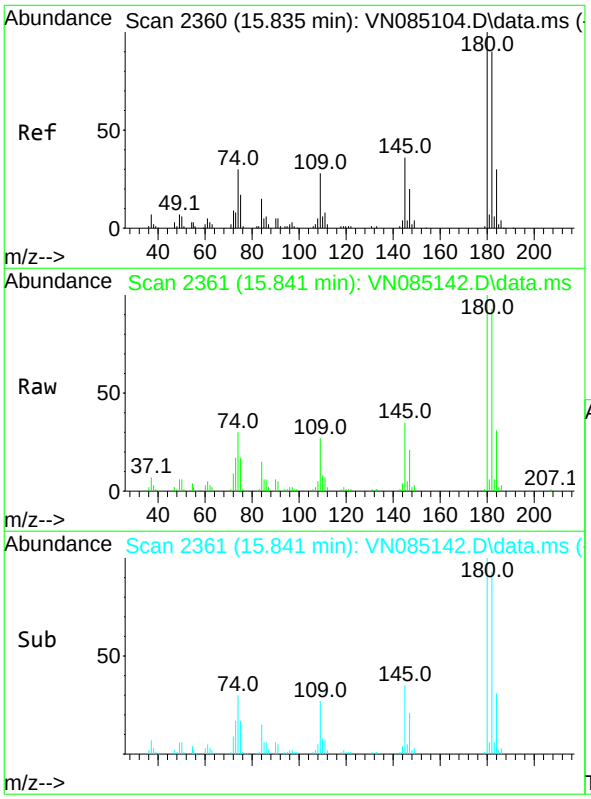
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.8	8.6	12.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

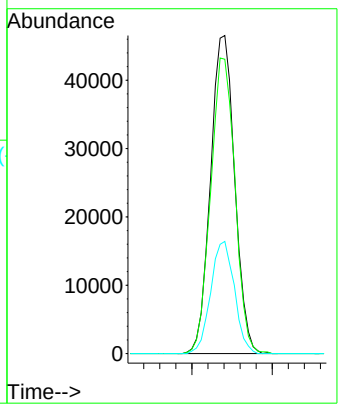




#96
1,2,3-Trichlorobenzene
Concen: 43.570 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:180 Resp: 97267

Ion	Ratio	Lower	Upper
180	100		
182	93.6	46.4	139.2
145	34.6	17.3	52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085142.D
Acq On : 09 Dec 2024 10:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 04:56:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	104	0.00
2	T	Dichlorodifluoromethane	0.565	0.438	22.5	81	0.00
3	P	Chloromethane	0.656	0.474	27.7#	83	0.00
4	C	Vinyl Chloride	0.589	0.495	16.0#	89	0.00
5	T	Bromomethane	0.330	0.316	4.2	105	0.04
6	T	Chloroethane	0.397	0.353	11.1	97	0.05
7	T	Trichlorofluoromethane	1.002	0.921	8.1	99	0.04
8	T	Diethyl Ether	0.341	0.323	5.3	96	0.01
9	T	1,1,2-Trichlorotrifluoroeth	0.569	0.538	5.4	101	0.00
10	T	Methyl Iodide	0.753	0.528	29.9#	73	0.01
11	T	Tert butyl alcohol	0.095	0.091	4.2	104	-0.02
12	CM	1,1-Dichloroethene	0.531	0.486	8.5#	96	0.02
13	T	Acrolein	0.064	0.076	-18.7	113	0.01
14	T	Allyl chloride	0.895	0.695	22.3	81	0.01
15	T	Acrylonitrile	0.269	0.262	2.6	103	0.00
16	T	Acetone	0.207	0.240	-15.9	123	0.00
17	T	Carbon Disulfide	1.566	1.336	14.7	94	0.01
18	T	Methyl Acetate	0.804	0.638	20.6	101	0.00
19	T	Methyl tert-butyl Ether	1.734	1.669	3.7	98	0.00
20	T	Methylene Chloride	0.633	0.563	11.1	99	0.00
21	T	trans-1,2-Dichloroethene	0.558	0.518	7.2	96	0.02
22	T	Diisopropyl ether	1.801	1.662	7.7	97	0.00
23	T	Vinyl Acetate	1.242	1.225	1.4	98	0.00
24	P	1,1-Dichloroethane	1.078	1.001	7.1	99	0.01
25	T	2-Butanone	0.339	0.351	-3.5	110	0.00
26	T	2,2-Dichloropropane	1.006	0.939	6.7	98	0.00
27	T	cis-1,2-Dichloroethene	0.673	0.621	7.7	98	0.01
28	T	Bromochloromethane	0.407	0.376	7.6	99	0.00
29	T	Tetrahydrofuran	0.211	0.217	-2.8	105	0.00
30	C	Chloroform	1.146	1.087	5.1#	103	0.00
31	T	Cyclohexane	0.949	0.833	12.2	98	0.00
32	T	1,1,1-Trichloroethane	1.036	0.975	5.9	100	0.00
33	S	1,2-Dichloroethane-d4	0.712	0.678	4.8	100	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35	S	Dibromofluoromethane	0.337	0.350	-3.9	101	0.00
36	T	1,1-Dichloropropene	0.457	0.466	-2.0	100	0.00
37	T	Ethyl Acetate	0.415	0.438	-5.5	106	0.00
38	T	Carbon Tetrachloride	0.527	0.559	-6.1	102	0.00
39	T	Methylcyclohexane	0.475	0.498	-4.8	96	0.00
40	TM	Benzene	1.444	1.457	-0.9	100	0.00
41	T	Methacrylonitrile	0.230	0.235	-2.2	100	0.00
42	TM	1,2-Dichloroethane	0.494	0.498	-0.8	101	0.00
43	T	Isopropyl Acetate	0.862	0.742	13.9	96	0.00
44	TM	Trichloroethene	0.336	0.347	-3.3	104	0.00
45	C	1,2-Dichloropropane	0.356	0.351	1.4#	98	0.00
46	T	Dibromomethane	0.247	0.256	-3.6	102	0.00
47	T	Bromodichloromethane	0.524	0.550	-5.0	103	0.00
48	T	Methyl methacrylate	0.321	0.345	-7.5	103	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085142.D
Acq On : 09 Dec 2024 10:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 04:56:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.007	-16.7	118	0.00
50	S	Toluene-d8	1.208	1.232	-2.0	96	0.00
51	T	4-Methyl-2-Pentanone	0.394	0.459	-16.5	110	0.00
52	CM	Toluene	0.855	0.925	-8.2#	102	0.00
53	T	t-1,3-Dichloropropene	0.525	0.542	-3.2	96	0.00
54	T	cis-1,3-Dichloropropene	0.557	0.579	-3.9	98	0.00
55	T	1,1,2-Trichloroethane	0.319	0.346	-8.5	105	0.00
56	T	Ethyl methacrylate	0.465	0.547	-17.6	103	0.00
57	T	1,3-Dichloropropane	0.561	0.584	-4.1	102	0.00
58	T	2-Chloroethyl Vinyl ether	0.228	0.236	-3.5	85	0.00
59	T	2-Hexanone	0.295	0.353	-19.7	110	0.00
60	T	Dibromochloromethane	0.389	0.430	-10.5	109	0.00
61	T	1,2-Dibromoethane	0.330	0.352	-6.7	104	0.00
62	S	4-Bromofluorobenzene	0.452	0.465	-2.9	97	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
64	T	Tetrachloroethene	0.337	0.355	-5.3	110	0.00
65	PM	Chlorobenzene	1.134	1.124	0.9	105	0.00
66	T	1,1,1,2-Tetrachloroethane	0.399	0.411	-3.0	105	0.00
67	C	Ethyl Benzene	1.840	1.979	-7.6#	103	0.00
68	T	m/p-Xylenes	0.700	0.769	-9.9	106	0.00
69	T	o-Xylene	0.666	0.719	-8.0	103	0.00
70	T	Styrene	1.108	1.281	-15.6	109	0.00
71	P	Bromoform	0.296	0.336	-13.5	110	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
73	T	Isopropylbenzene	3.527	3.680	-4.3	106	0.00
74	T	N-amyl acetate	1.454	1.467	-0.9	99	0.00
75	P	1,1,2,2-Tetrachloroethane	1.204	1.119	7.1	106	0.00
76	T	1,2,3-Trichloropropane	0.909	0.913	-0.4	106	0.00
77	T	Bromobenzene	0.949	0.913	3.8	104	0.00
78	T	n-propylbenzene	4.068	4.399	-8.1	109	0.00
79	T	2-Chlorotoluene	2.716	2.661	2.0	104	0.00
80	T	1,3,5-Trimethylbenzene	2.960	3.226	-9.0	108	0.00
81	T	trans-1,4-Dichloro-2-butene	0.412	0.411	0.2	106	0.00
82	T	4-Chlorotoluene	2.827	2.758	2.4	104	0.00
83	T	tert-Butylbenzene	2.547	2.590	-1.7	103	0.00
84	T	1,2,4-Trimethylbenzene	3.047	3.232	-6.1	105	0.00
85	T	sec-Butylbenzene	3.440	3.725	-8.3	106	0.00
86	T	p-Isopropyltoluene	2.840	3.166	-11.5	107	0.00
87	T	1,3-Dichlorobenzene	1.872	1.687	9.9	103	0.00
88	T	1,4-Dichlorobenzene	1.911	1.689	11.6	101	0.00
89	T	n-Butylbenzene	2.641	2.644	-0.1	104	0.00
90	T	Hexachloroethane	0.619	0.621	-0.3	107	0.00
91	T	1,2-Dichlorobenzene	1.794	1.589	11.4	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.219	6.0	105	0.00
93	T	1,2,4-Trichlorobenzene	0.975	0.821	15.8	95	0.00
94	T	Hexachlorobutadiene	0.450	0.391	13.1	102	0.00
95	T	Naphthalene	2.776	2.497	10.1	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085142.D
Acq On : 09 Dec 2024 10:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 04:56:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.930	0.810	12.9	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085142.D
Acq On : 09 Dec 2024 10:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 04:56:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	104	0.00
2	T	Dichlorodifluoromethane	50.000	38.695	22.6	81	0.00
3	P	Chloromethane	50.000	36.113	27.8#	83	0.00
4	C	Vinyl Chloride	50.000	41.966	16.1#	89	0.00
5	T	Bromomethane	50.000	47.797	4.4	105	0.04
6	T	Chloroethane	50.000	44.380	11.2	97	0.05
7	T	Trichlorofluoromethane	50.000	45.926	8.1	99	0.04
8	T	Diethyl Ether	50.000	47.263	5.5	96	0.01
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.294	5.4	101	0.00
10	T	Methyl Iodide	50.000	35.067	29.9#	73	0.01
11	T	Tert butyl alcohol	250.000	237.948	4.8	104	-0.02
12	CM	1,1-Dichloroethene	50.000	45.833	8.3#	96	0.02
13	T	Acrolein	250.000	300.005	-20.0	113	0.01
14	T	Allyl chloride	50.000	38.835	22.3	81	0.01
15	T	Acrylonitrile	250.000	243.009	2.8	103	0.00
16	T	Acetone	250.000	289.341	-15.7	123	0.00
17	T	Carbon Disulfide	50.000	42.635	14.7	94	0.01
18	T	Methyl Acetate	50.000	48.108	3.8	101	0.00
19	T	Methyl tert-butyl Ether	50.000	48.135	3.7	98	0.00
20	T	Methylene Chloride	50.000	44.476	11.0	99	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.418	7.2	96	0.02
22	T	Diisopropyl ether	50.000	46.165	7.7	97	0.00
23	T	Vinyl Acetate	250.000	246.613	1.4	98	0.00
24	P	1,1-Dichloroethane	50.000	46.447	7.1	99	0.01
25	T	2-Butanone	250.000	258.973	-3.6	110	0.00
26	T	2,2-Dichloropropane	50.000	46.682	6.6	98	0.00
27	T	cis-1,2-Dichloroethene	50.000	46.131	7.7	98	0.01
28	T	Bromochloromethane	50.000	46.274	7.5	99	0.00
29	T	Tetrahydrofuran	250.000	257.747	-3.1	105	0.00
30	C	Chloroform	50.000	47.401	5.2#	103	0.00
31	T	Cyclohexane	50.000	43.877	12.2	98	0.00
32	T	1,1,1-Trichloroethane	50.000	47.089	5.8	100	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.569	4.9	100	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35	S	Dibromofluoromethane	50.000	51.885	-3.8	101	0.00
36	T	1,1-Dichloropropene	50.000	51.043	-2.1	100	0.00
37	T	Ethyl Acetate	50.000	52.778	-5.6	106	0.00
38	T	Carbon Tetrachloride	50.000	53.041	-6.1	102	0.00
39	T	Methylcyclohexane	50.000	52.424	-4.8	96	0.00
40	TM	Benzene	50.000	50.434	-0.9	100	0.00
41	T	Methacrylonitrile	50.000	51.058	-2.1	100	0.00
42	TM	1,2-Dichloroethane	50.000	50.412	-0.8	101	0.00
43	T	Isopropyl Acetate	50.000	43.006	14.0	96	0.00
44	TM	Trichloroethene	50.000	51.660	-3.3	104	0.00
45	C	1,2-Dichloropropane	50.000	49.272	1.5#	98	0.00
46	T	Dibromomethane	50.000	51.870	-3.7	102	0.00
47	T	Bromodichloromethane	50.000	52.456	-4.9	103	0.00
48	T	Methyl methacrylate	50.000	53.750	-7.5	103	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085142.D
Acq On : 09 Dec 2024 10:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 04:56:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1260.284	-26.0#	118	0.00
50	S	Toluene-d8	50.000	50.960	-1.9	96	0.00
51	T	4-Methyl-2-Pentanone	250.000	291.377	-16.6	110	0.00
52	CM	Toluene	50.000	54.081	-8.2#	102	0.00
53	T	t-1,3-Dichloropropene	50.000	51.589	-3.2	96	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.984	-4.0	98	0.00
55	T	1,1,2-Trichloroethane	50.000	54.241	-8.5	105	0.00
56	T	Ethyl methacrylate	50.000	58.759	-17.5	103	0.00
57	T	1,3-Dichloropropane	50.000	52.074	-4.1	102	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	258.243	-3.3	85	0.00
59	T	2-Hexanone	250.000	299.229	-19.7	110	0.00
60	T	Dibromochloromethane	50.000	55.238	-10.5	109	0.00
61	T	1,2-Dibromoethane	50.000	53.317	-6.6	104	0.00
62	S	4-Bromofluorobenzene	50.000	51.412	-2.8	97	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	102	0.00
64	T	Tetrachloroethene	50.000	52.620	-5.2	110	0.00
65	PM	Chlorobenzene	50.000	49.550	0.9	105	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.493	-3.0	105	0.00
67	C	Ethyl Benzene	50.000	53.779	-7.6#	103	0.00
68	T	m/p-Xylenes	100.000	109.841	-9.8	106	0.00
69	T	o-Xylene	50.000	53.945	-7.9	103	0.00
70	T	Styrene	50.000	57.790	-15.6	109	0.00
71	P	Bromoform	50.000	56.742	-13.5	110	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	105	0.00
73	T	Isopropylbenzene	50.000	52.158	-4.3	106	0.00
74	T	N-amyl acetate	50.000	50.480	-1.0	99	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	46.462	7.1	106	0.00
76	T	1,2,3-Trichloropropane	50.000	50.213	-0.4	106	0.00
77	T	Bromobenzene	50.000	48.098	3.8	104	0.00
78	T	n-propylbenzene	50.000	54.068	-8.1	109	0.00
79	T	2-Chlorotoluene	50.000	48.981	2.0	104	0.00
80	T	1,3,5-Trimethylbenzene	50.000	54.491	-9.0	108	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.850	0.3	106	0.00
82	T	4-Chlorotoluene	50.000	48.778	2.4	104	0.00
83	T	tert-Butylbenzene	50.000	50.852	-1.7	103	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.047	-6.1	105	0.00
85	T	sec-Butylbenzene	50.000	54.132	-8.3	106	0.00
86	T	p-Isopropyltoluene	50.000	55.734	-11.5	107	0.00
87	T	1,3-Dichlorobenzene	50.000	45.047	9.9	103	0.00
88	T	1,4-Dichlorobenzene	50.000	44.203	11.6	101	0.00
89	T	n-Butylbenzene	50.000	50.053	-0.1	104	0.00
90	T	Hexachloroethane	50.000	50.159	-0.3	107	0.00
91	T	1,2-Dichlorobenzene	50.000	44.283	11.4	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.961	6.1	105	0.00
93	T	1,2,4-Trichlorobenzene	50.000	42.133	15.7	95	0.00
94	T	Hexachlorobutadiene	50.000	43.472	13.1	102	0.00
95	T	Naphthalene	50.000	44.981	10.0	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085142.D
Acq On : 09 Dec 2024 10:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 04:56:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	43.570	12.9	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: P5117 SAS No.: P5117 SDG No.: P5117

Instrument ID: MSVOA_N Calibration Date/Time: 12/09/2024 16:14

Lab File ID: VN085153.D Init. Calib. Date(s): 11/22/2024 11/22/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:22 13:45

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.589	0.577		-2.04	50
1,1-Dichloroethene	0.531	0.571		7.53	50
2-Butanone	0.339	0.438		29.2	50
Carbon Tetrachloride	0.527	0.629		19.35	50
Chloroform	1.146	1.269		10.73	50
Benzene	1.445	1.610		11.5	50
1,2-Dichloroethane	0.494	0.589		19.23	50
Trichloroethene	0.336	0.391		16.37	50
Tetrachloroethene	0.337	0.394		16.91	50
Chlorobenzene	1.134	1.321	0.3	16.49	50
1,2-Dichloroethane-d4	0.712	0.726		1.97	50
Dibromofluoromethane	0.337	0.362		7.42	50
Toluene-d8	1.208	1.305		8.03	50
4-Bromofluorobenzene	0.452	0.506		11.95	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085153.D
Acq On : 09 Dec 2024 16:14
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 10 05:02:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	162736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	265150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	230771	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	119527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118220	51.000	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.000%			
35) Dibromofluoromethane	8.165	113	95864	53.613	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.220%			
50) Toluene-d8	10.565	98	345955	53.987	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.980%			
62) 4-Bromofluorobenzene	12.847	95	134293	56.039	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 112.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	81627	44.359	ug/l	98
3) Chloromethane	2.359	50	90903	42.592	ug/l	94
4) Vinyl Chloride	2.512	62	93966	48.992	ug/l	95
5) Bromomethane	2.942	94	62292	57.945	ug/l	99
6) Chloroethane	3.106	64	62173	48.092	ug/l	99
7) Trichlorofluoromethane	3.489	101	174174	53.383	ug/l	98
8) Diethyl Ether	3.953	74	62482	56.265	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	101733	54.976	ug/l	98
10) Methyl Iodide	4.583	142	117965	48.159	ug/l	99
11) Tert butyl alcohol	5.524	59	101635	328.103	ug/l	97
12) 1,1-Dichloroethene	4.336	96	92960	53.819	ug/l	96
13) Acrolein	4.177	56	69168	334.634	ug/l	100
14) Allyl chloride	5.018	41	142160	48.822	ug/l	93
15) Acrylonitrile	5.718	53	263867	300.877	ug/l	99
16) Acetone	4.424	43	250348	370.827	ug/l	98
17) Carbon Disulfide	4.706	76	249632	48.964	ug/l	96
18) Methyl Acetate	5.018	43	129127	60.073	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	330945	58.641	ug/l	96
20) Methylene Chloride	5.271	84	109418	53.113	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	98207	54.029	ug/l	95
22) Diisopropyl ether	6.671	45	327105	55.815	ug/l	98
23) Vinyl Acetate	6.600	43	1235181	305.508	ug/l	100
24) 1,1-Dichloroethane	6.565	63	192887	54.999	ug/l	99
25) 2-Butanone	7.483	43	356129	322.655	ug/l	98
26) 2,2-Dichloropropane	7.494	77	179376	54.775	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	123370	56.300	ug/l	99
28) Bromochloromethane	7.812	49	57402	43.360	ug/l	93
29) Tetrahydrofuran	7.841	42	223283	325.304	ug/l	100
30) Chloroform	7.965	83	206502	55.353	ug/l	98
31) Cyclohexane	8.253	56	155530	50.369	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	186189	55.230	ug/l	98
36) 1,1-Dichloropropene	8.371	75	139304	57.518	ug/l	99
37) Ethyl Acetate	7.559	43	138225	62.778	ug/l	99
38) Carbon Tetrachloride	8.359	117	166889	59.696	ug/l	99
39) Methylcyclohexane	9.600	83	153471	60.980	ug/l	97
40) Benzene	8.606	78	426932	55.734	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085153.D
Acq On : 09 Dec 2024 16:14
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 10 05:02:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.777	41	74288	60.938 ug/l		97
42) 1,2-Dichloroethane	8.671	62	156285	59.637 ug/l		100
43) Isopropyl Acetate	8.688	43	273688	59.842 ug/l		96
44) Trichloroethene	9.353	130	103598	58.195 ug/l		93
45) 1,2-Dichloropropane	9.618	63	108197	57.347 ug/l		94
46) Dibromomethane	9.706	93	78342	59.757 ug/l		99
47) Bromodichloromethane	9.882	83	167432	60.258 ug/l		99
48) Methyl methacrylate	9.677	41	115253	67.720 ug/l		97
49) 1,4-Dioxane	9.694	88	43006	1457.126 ug/l	#	94
51) 4-Methyl-2-Pentanone	10.441	43	725499	347.299 ug/l		99
52) Toluene	10.629	92	277164	61.119 ug/l		99
53) t-1,3-Dichloropropene	10.835	75	170255	61.118 ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	180164	60.963 ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	103873	61.496 ug/l		98
56) Ethyl methacrylate	10.871	69	174001	70.497 ug/l		98
57) 1,3-Dichloropropane	11.159	76	177618	59.747 ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	340202	280.990 ug/l		98
59) 2-Hexanone	11.194	43	549363	351.625 ug/l		100
60) Dibromochloromethane	11.359	129	128913	62.448 ug/l		100
61) 1,2-Dibromoethane	11.471	107	108774	62.224 ug/l		99
64) Tetrachloroethene	11.100	164	90824	58.408 ug/l		98
65) Chlorobenzene	11.888	112	304940	58.266 ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	114186	61.967 ug/l		98
67) Ethyl Benzene	11.965	91	537789	63.337 ug/l		98
68) m/p-Xylenes	12.070	106	413021	127.766 ug/l		100
69) o-Xylene	12.400	106	198117	64.428 ug/l		99
70) Styrene	12.412	104	347132	67.883 ug/l		99
71) Bromoform	12.576	173	92080	67.320 ug/l	#	99
73) Isopropylbenzene	12.694	105	512549	60.785 ug/l		99
74) N-amyl acetate	12.494	43	219231	63.094 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	152365	52.916 ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	108217m	49.775 ug/l		
77) Bromobenzene	12.982	156	126211	55.620 ug/l		100
78) n-propylbenzene	13.035	91	610311	62.752 ug/l		100
79) 2-Chlorotoluene	13.123	91	371546	57.227 ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	444282	62.790 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	59423	60.338 ug/l		95
82) 4-Chlorotoluene	13.217	91	380936	56.362 ug/l		100
83) tert-Butylbenzene	13.435	119	360851	59.272 ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	446674	61.328 ug/l		99
85) sec-Butylbenzene	13.617	105	515573	62.691 ug/l		100
86) p-Isopropyltoluene	13.729	119	441406	65.018 ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	232182	51.875 ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	232095	50.815 ug/l		98
89) n-Butylbenzene	14.053	91	375765	59.518 ug/l		99
90) Hexachloroethane	14.329	117	85765	57.956 ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	216336	50.441 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	31099	55.854 ug/l		96
93) 1,2,4-Trichlorobenzene	15.388	180	112793	48.409 ug/l		98
94) Hexachlorobutadiene	15.500	225	54475	50.659 ug/l		98
95) Naphthalene	15.641	128	357684	53.899 ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	111098	49.972 ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085153.D
Acq On : 09 Dec 2024 16:14
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 10 05:02:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085153.D
Acq On : 09 Dec 2024 16:14
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 10 05:02:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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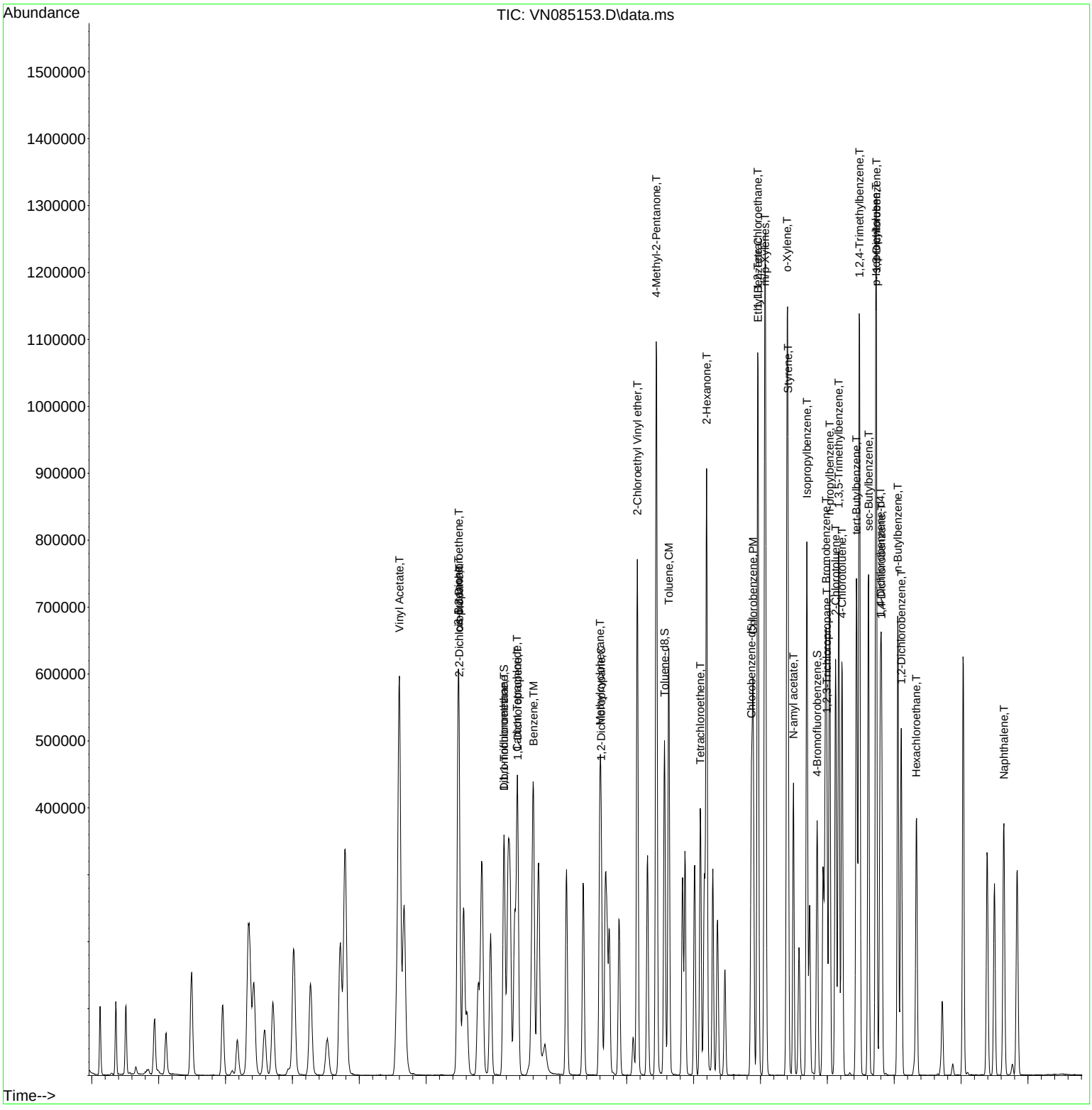
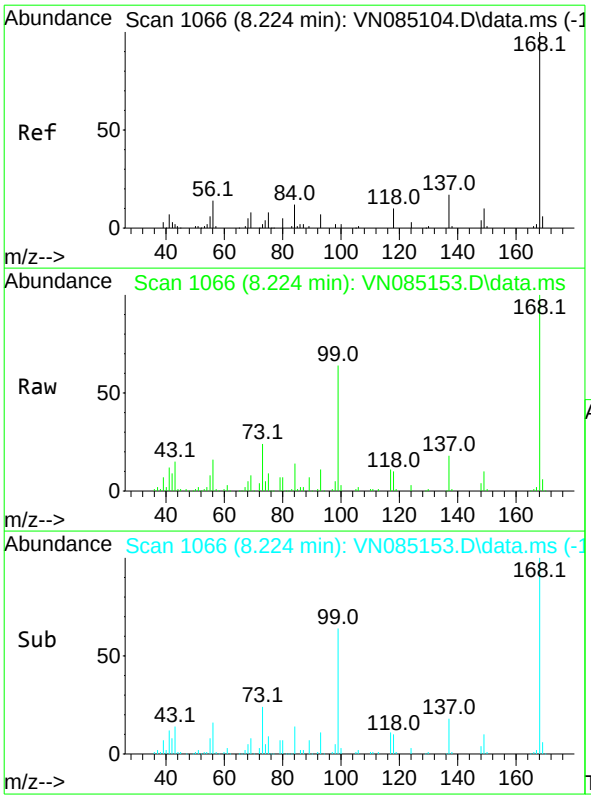
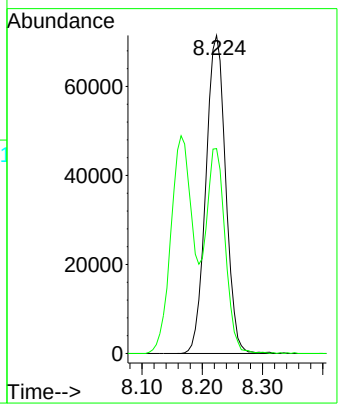




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:168 Resp: 162736

Ion	Ratio	Lower	Upper
168	100		
99	64.4	51.2	76.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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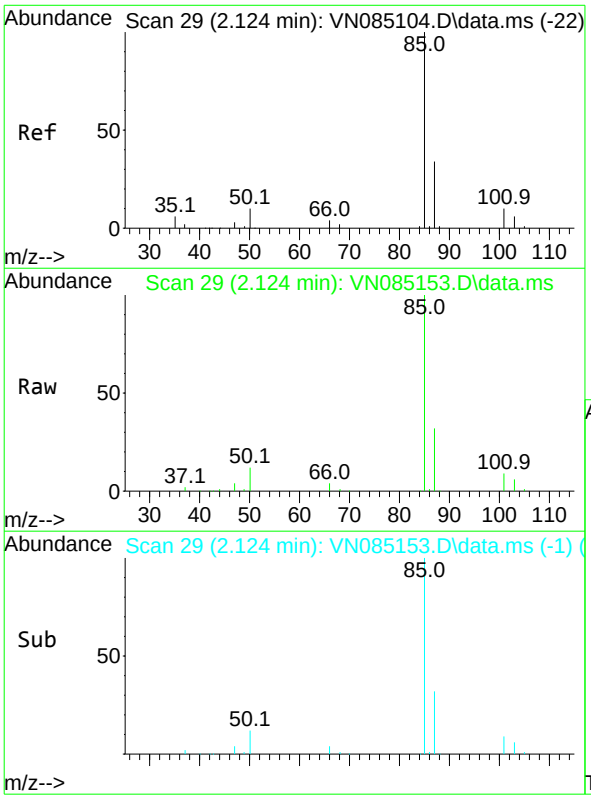
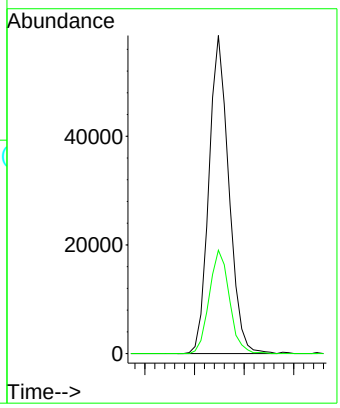
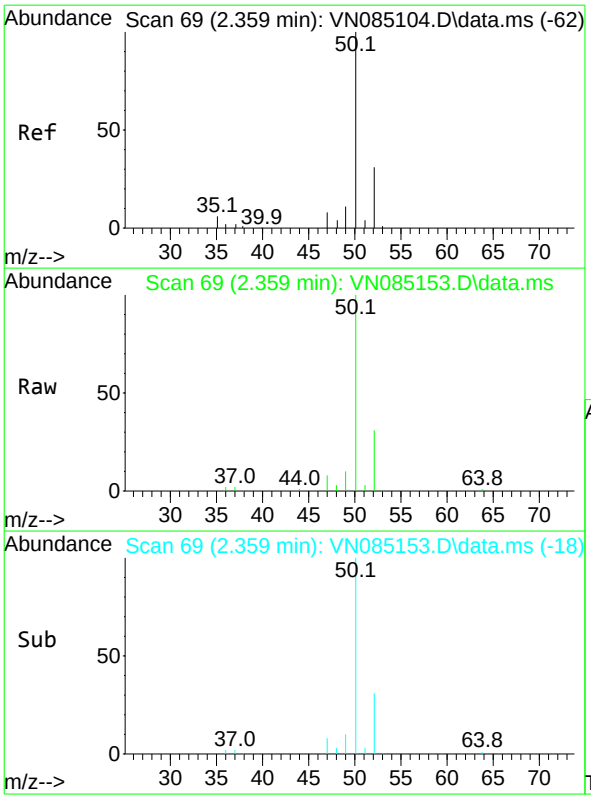


#2
Dichlorodifluoromethane
Concen: 44.359 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 85 Resp: 81627

Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.7	47.1

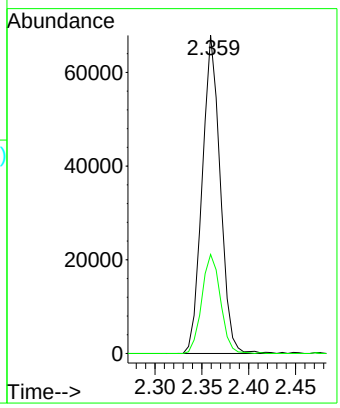




#3
Chloromethane
Concen: 42.592 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 50 Resp: 90903

Ion	Ratio	Lower	Upper
50	100		
52	31.1	27.8	41.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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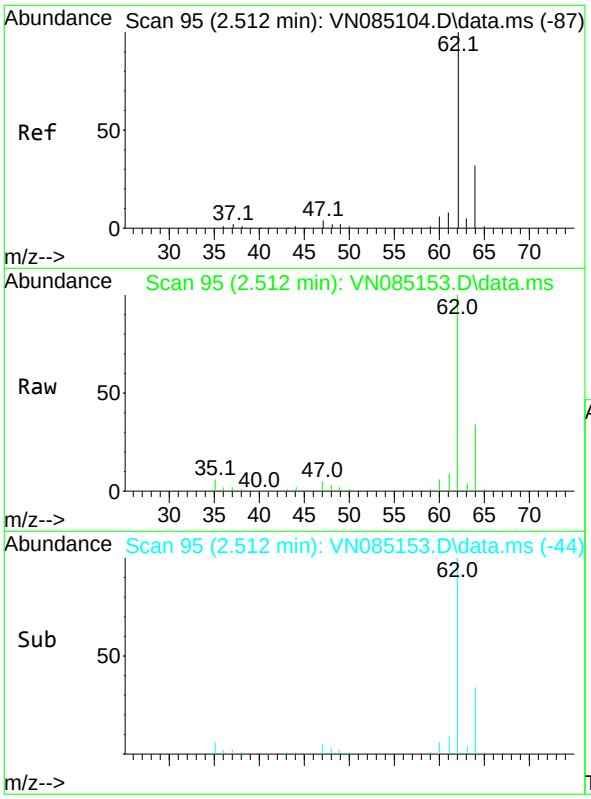
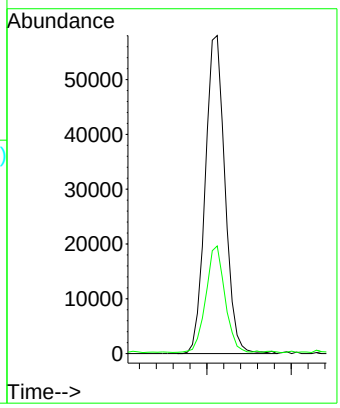
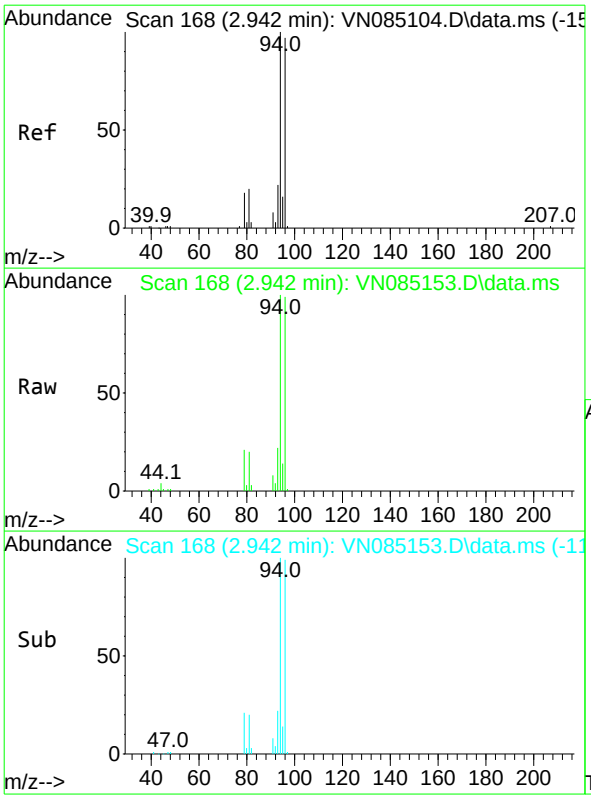


#4
Vinyl Chloride
Concen: 48.992 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 62 Resp: 93966

Ion	Ratio	Lower	Upper
62	100		
64	33.4	24.6	36.8

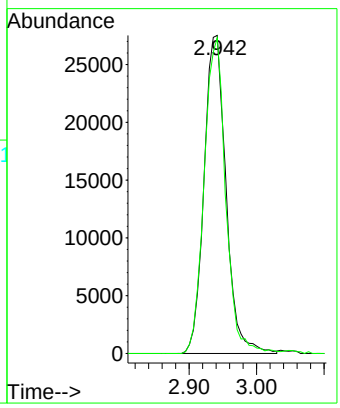




#5
Bromomethane
Concen: 57.945 ug/l
RT: 2.942 min Scan# 16
Delta R.T. 0.041 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 94 Resp: 62292

Ion	Ratio	Lower	Upper
94	100		
96	99.2	78.7	118.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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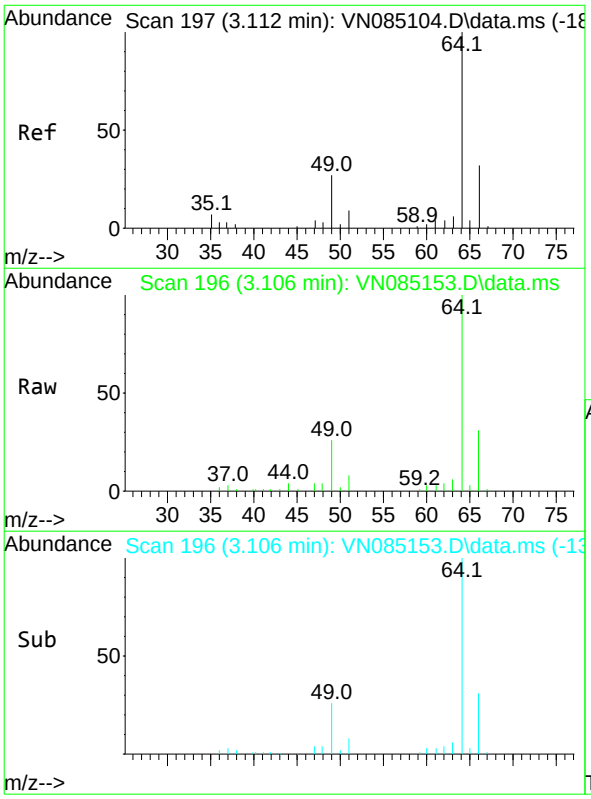
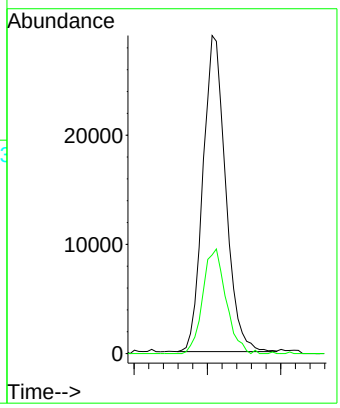
Supervised By :Mahesh Dadoda 12/10/2024

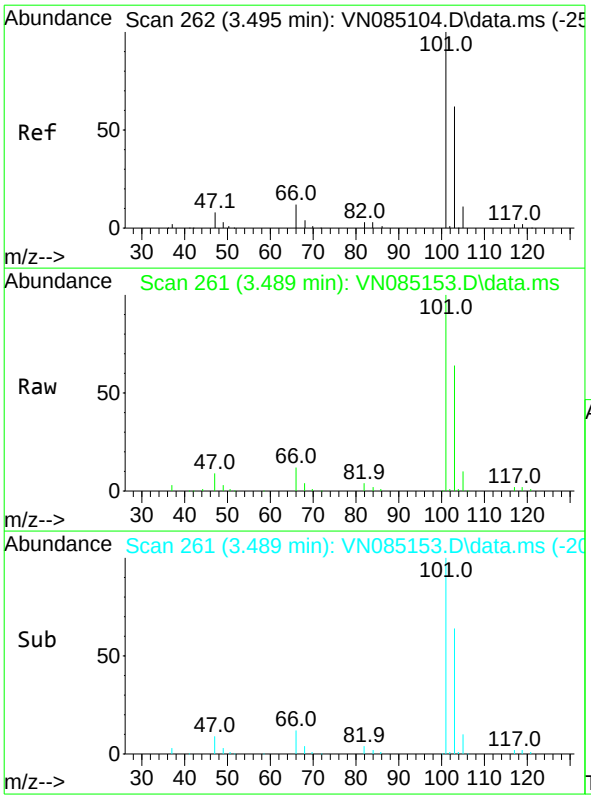


#6
Chloroethane
Concen: 48.092 ug/l
RT: 3.106 min Scan# 196
Delta R.T. 0.041 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 64 Resp: 62173

Ion	Ratio	Lower	Upper
64	100		
66	31.2	24.4	36.6

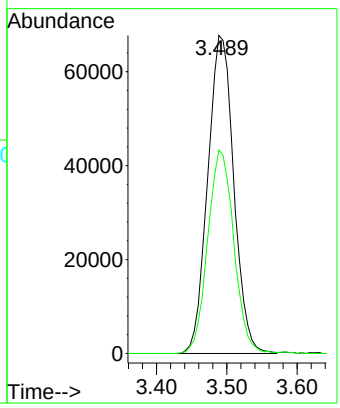




#7
Trichlorofluoromethane
Concen: 53.383 ug/l
RT: 3.489 min Scan# 26
Delta R.T. 0.029 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:101 Resp: 174174

Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.6	78.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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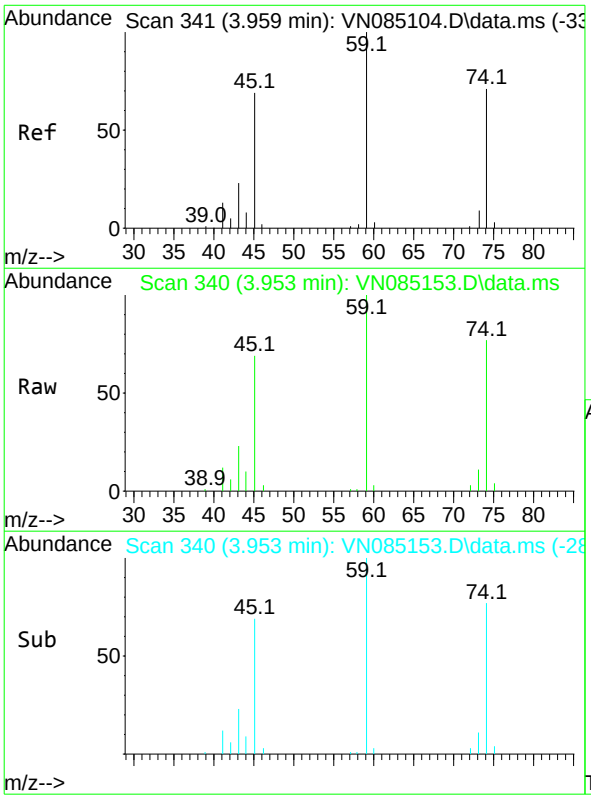
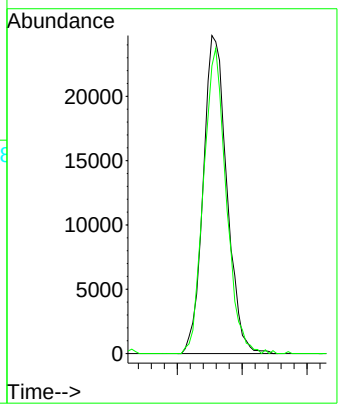
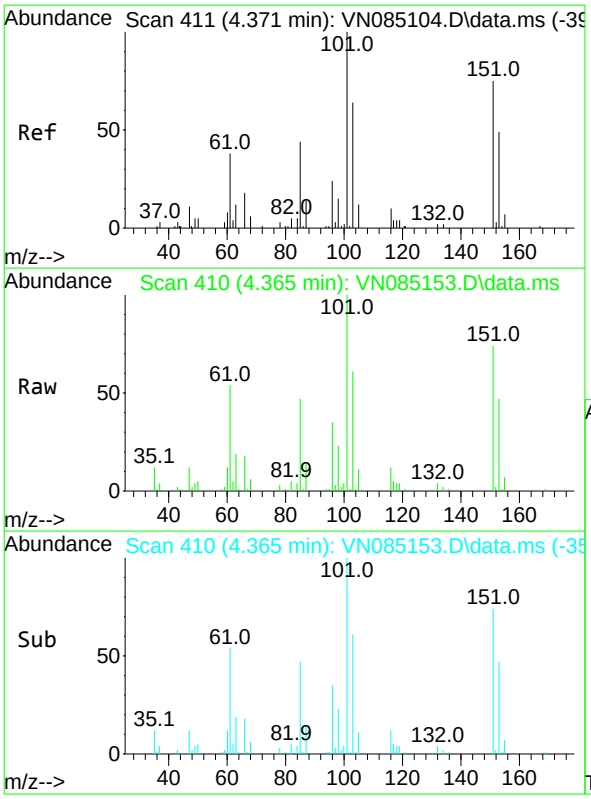


#8
Diethyl Ether
Concen: 56.265 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 74 Resp: 62482

Ion	Ratio	Lower	Upper
74	100		
45	91.8	46.7	140.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.976 ug/l
RT: 4.365 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:101 Resp: 101733

Ion	Ratio	Lower	Upper
101	100		
85	43.6	36.9	55.3
151	76.4	60.8	91.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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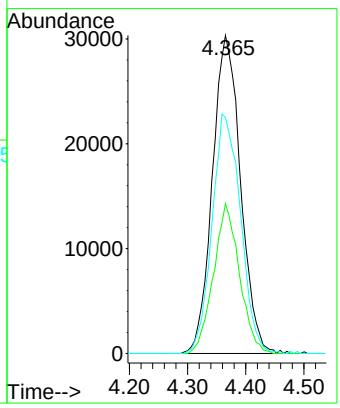
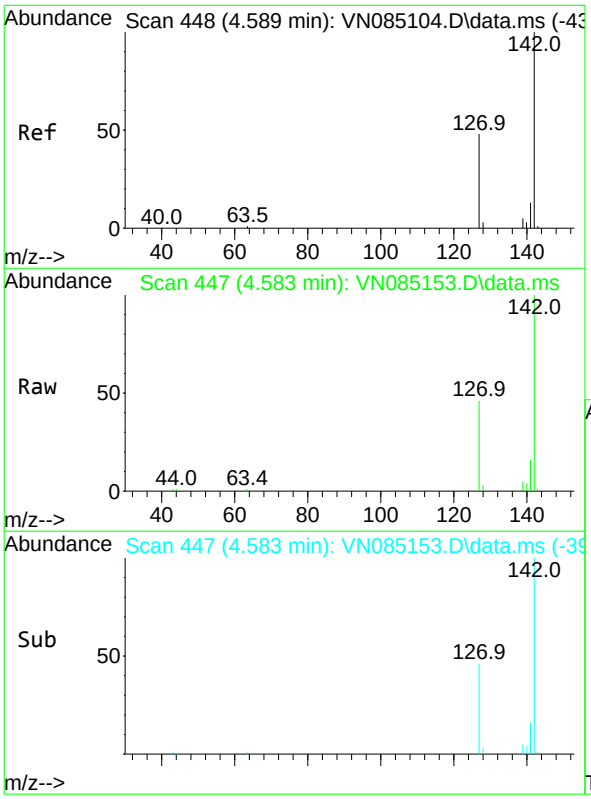
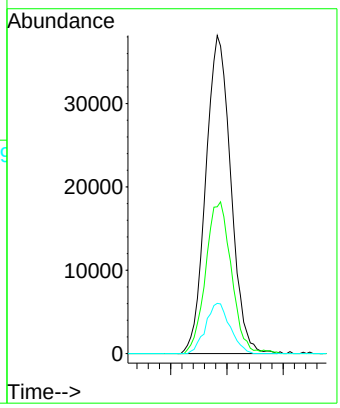


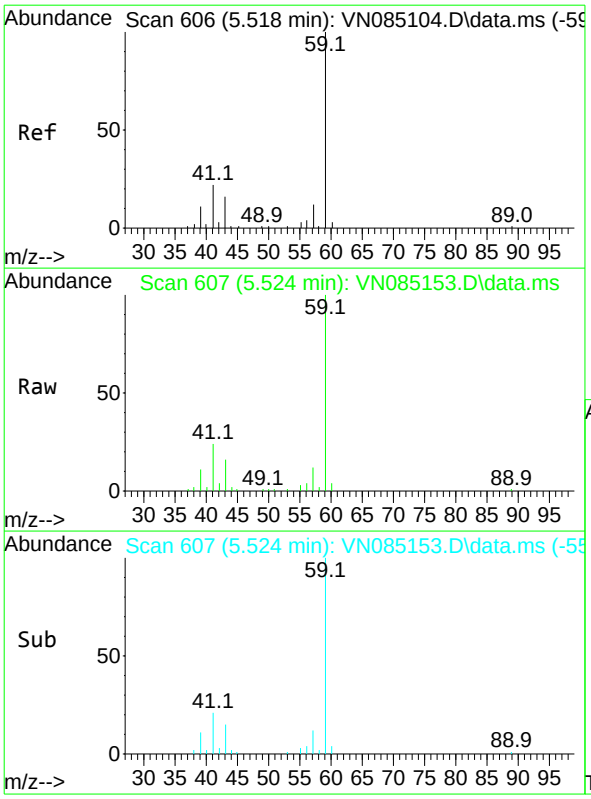


#10
Methyl Iodide
Concen: 48.159 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.012 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:142 Resp: 117965

Ion	Ratio	Lower	Upper
142	100		
127	46.2	36.6	54.8
141	15.8	12.2	18.4

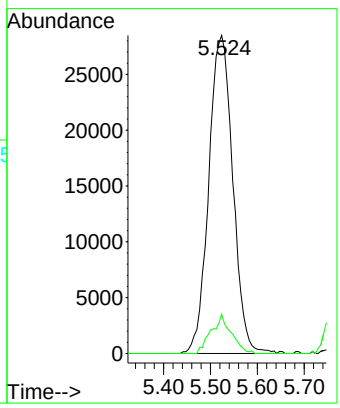




#11
Tert butyl alcohol
Concen: 328.103 ug/l
RT: 5.524 min Scan# 60
Delta R.T. -0.018 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 59 Resp: 101635

Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.4	11.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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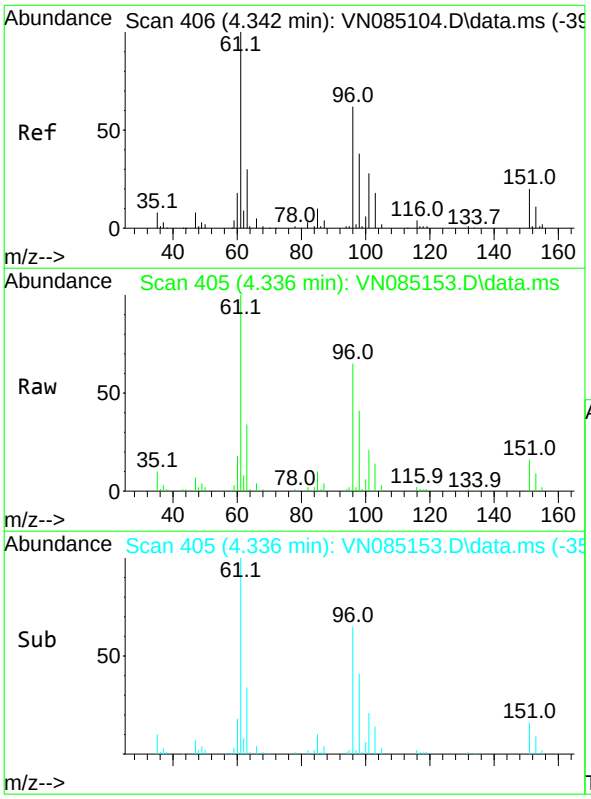
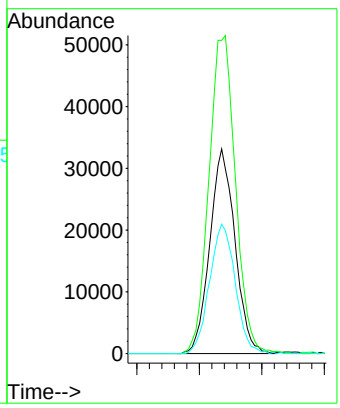
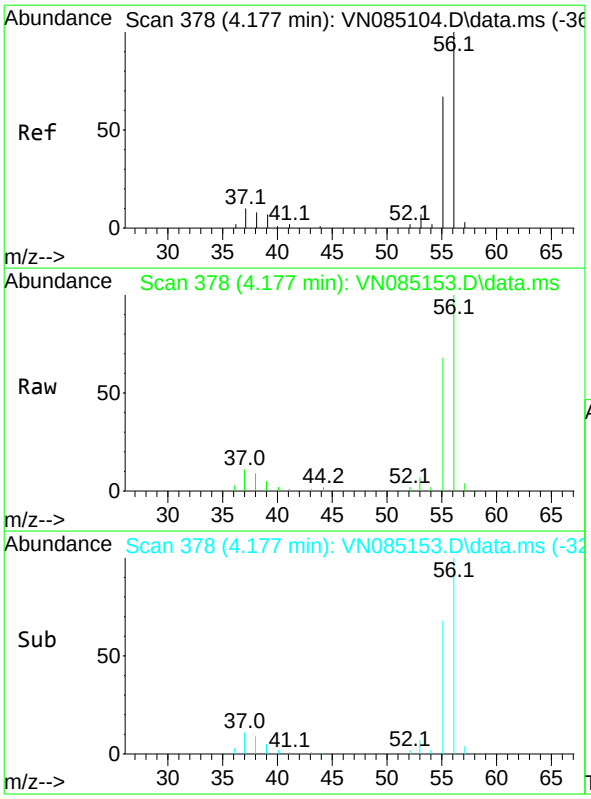


#12
1,1-Dichloroethene
Concen: 53.819 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.017 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 96 Resp: 92960

Ion	Ratio	Lower	Upper
96	100		
61	153.1	127.8	191.8
98	63.2	49.2	73.8

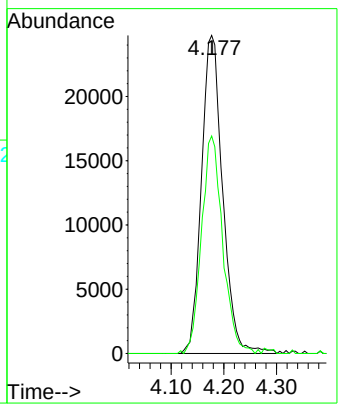




#13
Acrolein
Concen: 334.634 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.012 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 56 Resp: 69168

Ion	Ratio	Lower	Upper
56	100		
55	68.1	54.5	81.7



Instrument :
MSVOA_N
ClientSampleId :
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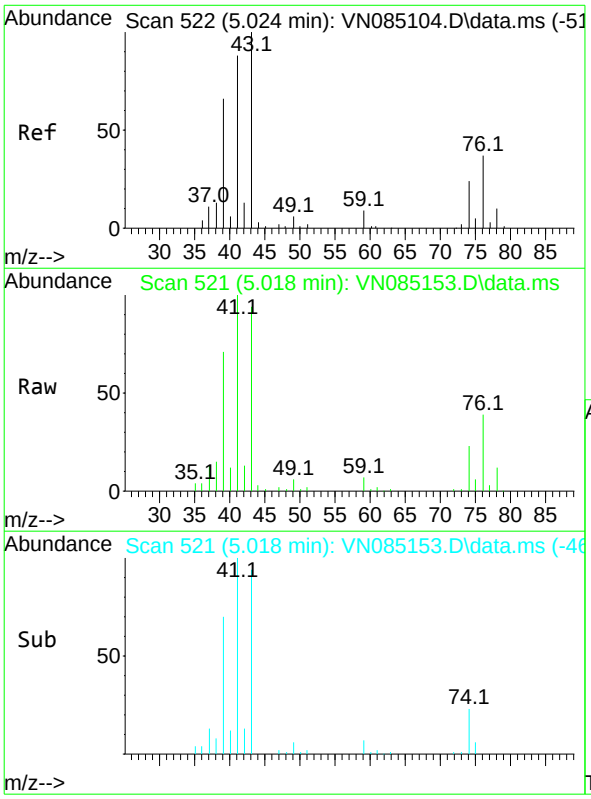
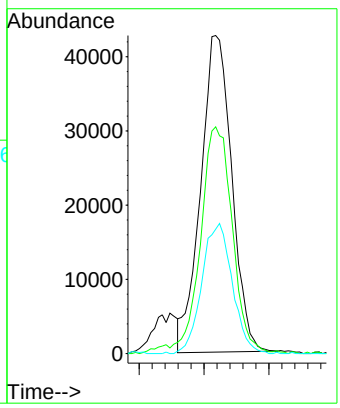
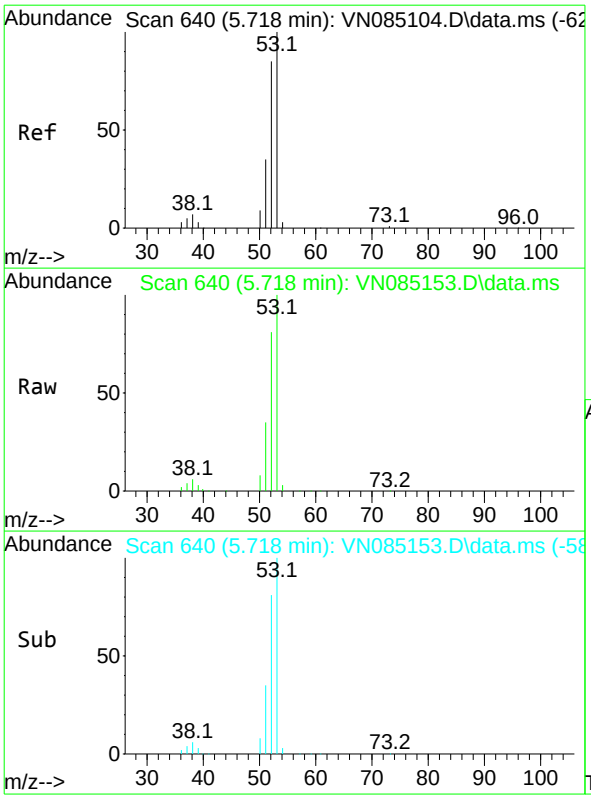


#14
Allyl chloride
Concen: 48.822 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.012 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 41 Resp: 142160

Ion	Ratio	Lower	Upper
41	100		
39	73.9	53.8	80.8
76	40.0	29.3	43.9

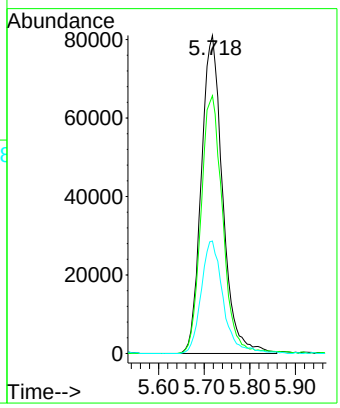




#15
Acrylonitrile
Concen: 300.877 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 53 Resp: 263867

Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.5	98.3
51	36.3	28.4	42.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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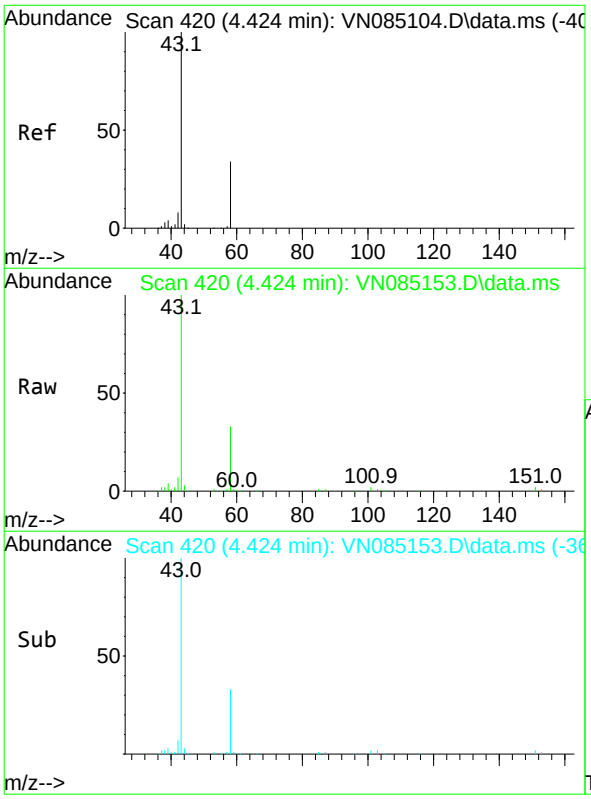
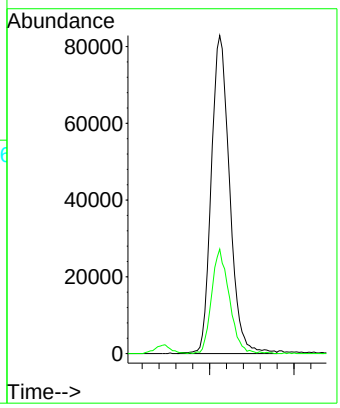
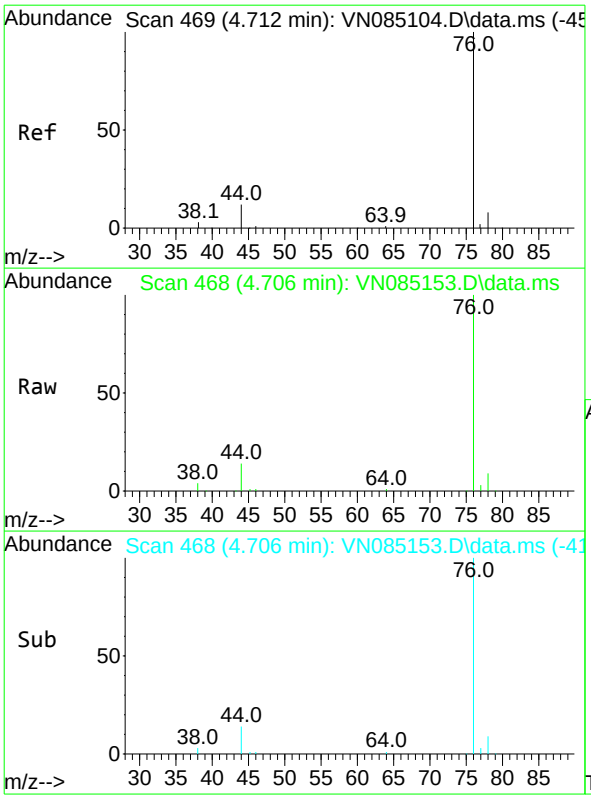


#16
Acetone
Concen: 370.827 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 43 Resp: 250348

Ion	Ratio	Lower	Upper
43	100		
58	32.9	25.4	38.2

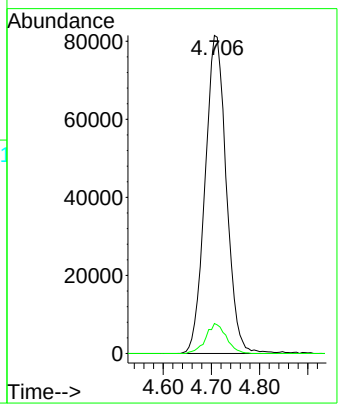




#17
Carbon Disulfide
Concen: 48.964 ug/l
RT: 4.706 min Scan# 46
Delta R.T. 0.012 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 76 Resp: 249632

Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.5	9.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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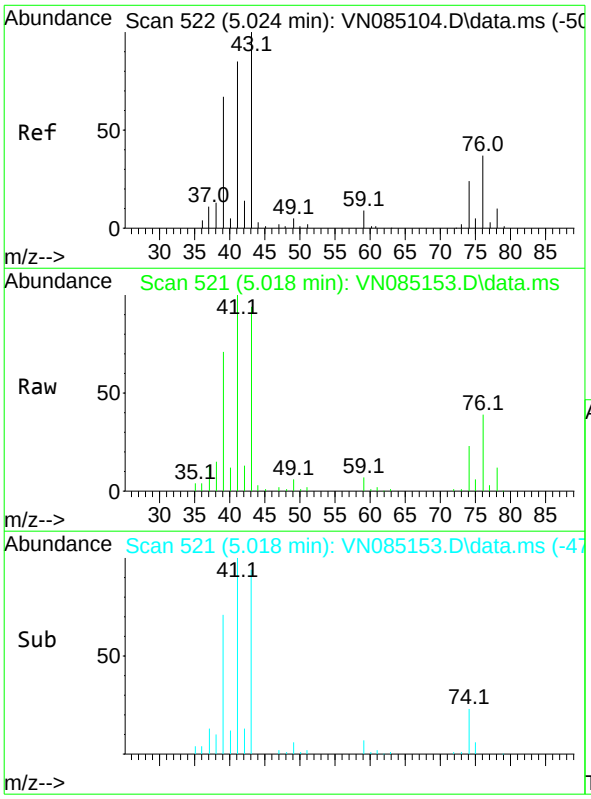
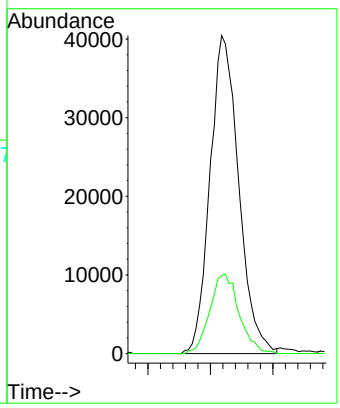
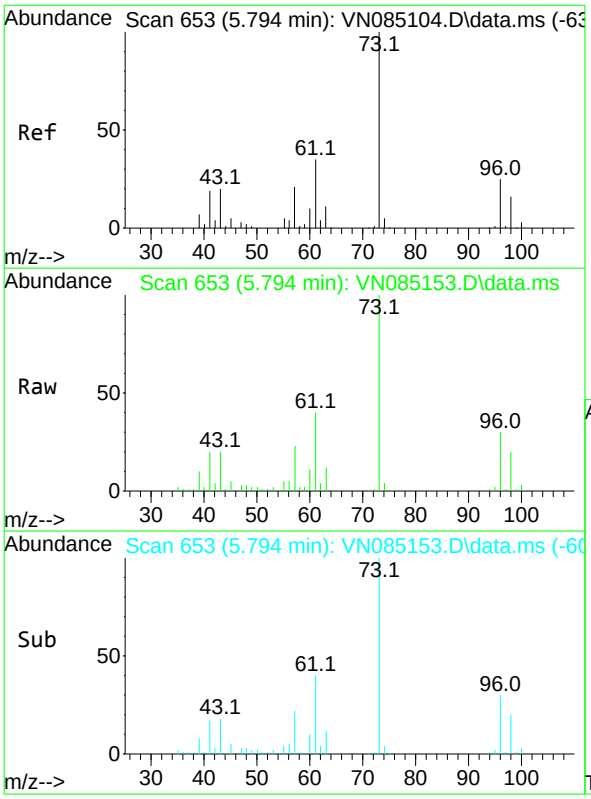


#18
Methyl Acetate
Concen: 60.073 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 43 Resp: 129127

Ion	Ratio	Lower	Upper
43	100		
74	25.5	20.1	30.1

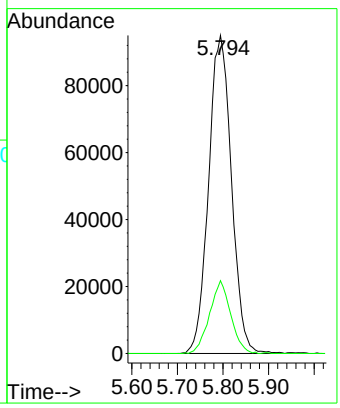




#19
Methyl tert-butyl Ether
Concen: 58.641 ug/l
RT: 5.794 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 73 Resp: 330945

Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.0	25.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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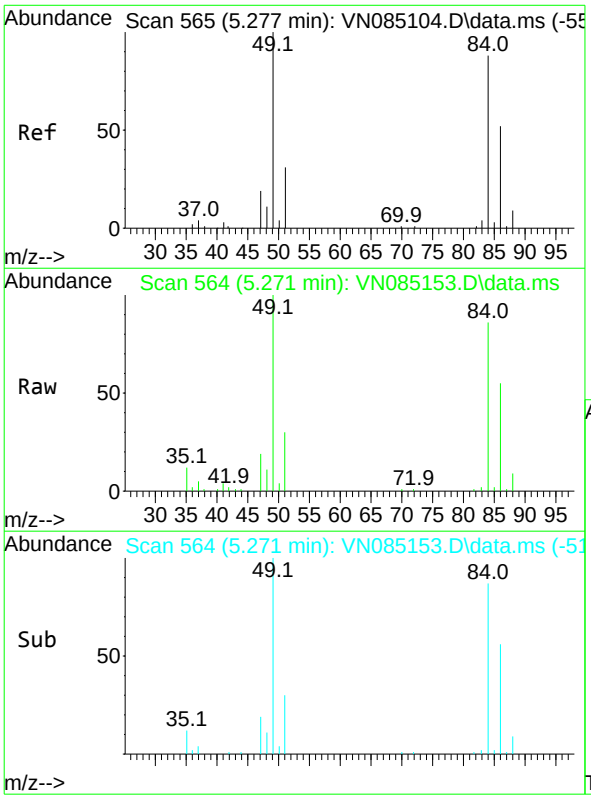
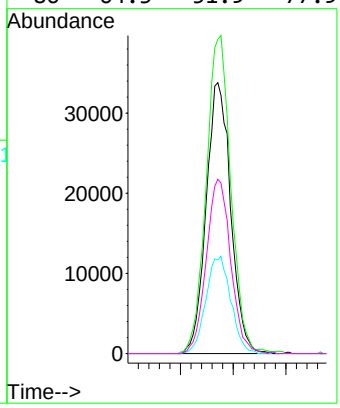
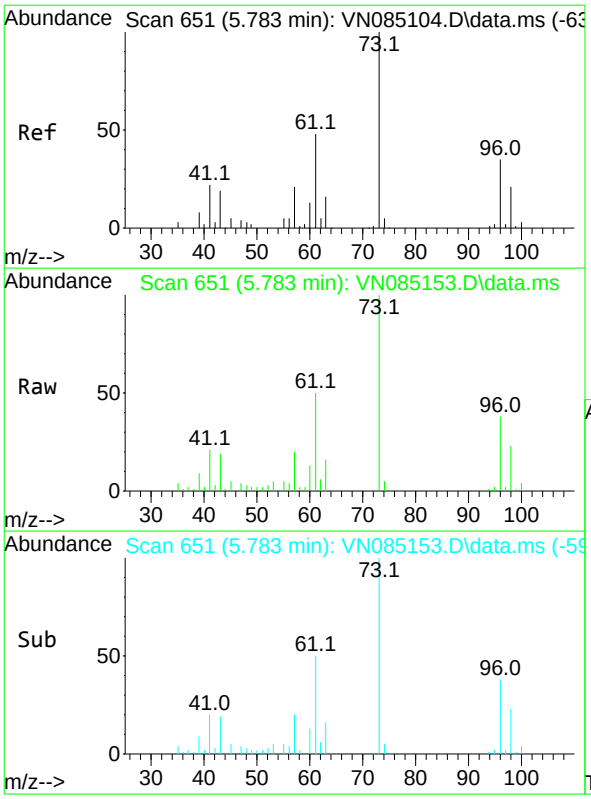


#20
Methylene Chloride
Concen: 53.113 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 84 Resp: 109418

Ion	Ratio	Lower	Upper
84	100		
49	116.0	92.7	139.1
51	34.6	29.4	44.2
86	64.3	51.9	77.9

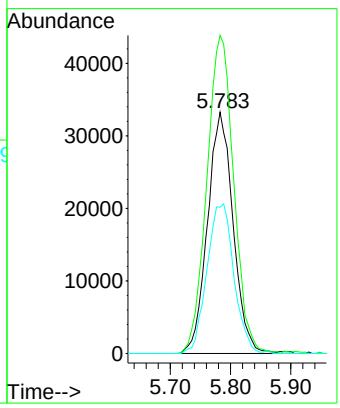




#21
trans-1,2-Dichloroethene
Concen: 54.029 ug/l
RT: 5.783 min Scan# 65
Delta R.T. 0.012 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 96 Resp: 98207

Ion	Ratio	Lower	Upper
96	100		
61	131.8	100.7	151.1
98	60.6	45.8	68.6



Instrument :
MSVOA_N
ClientSampleId :
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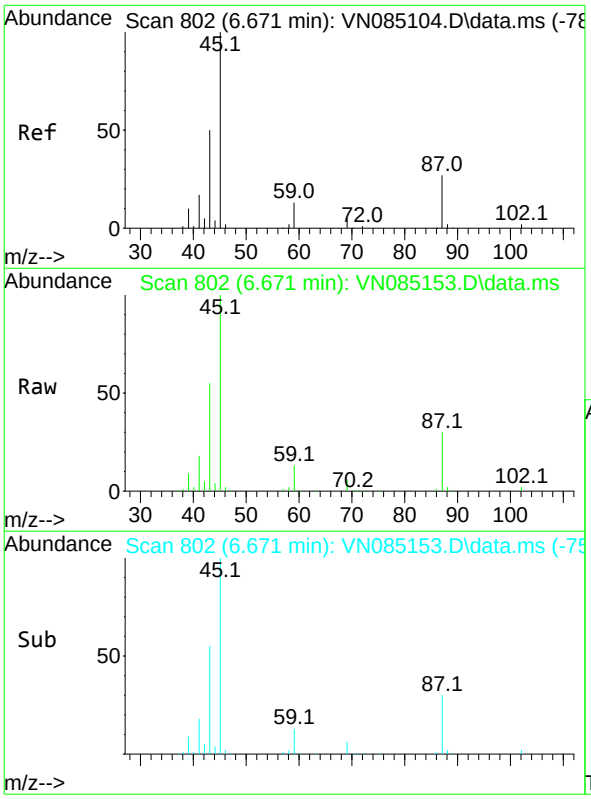
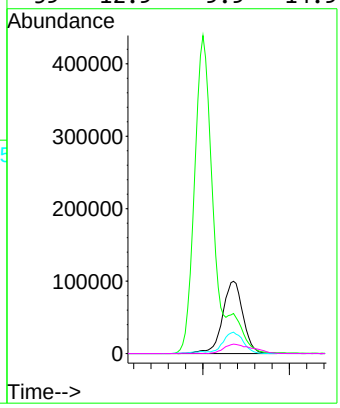
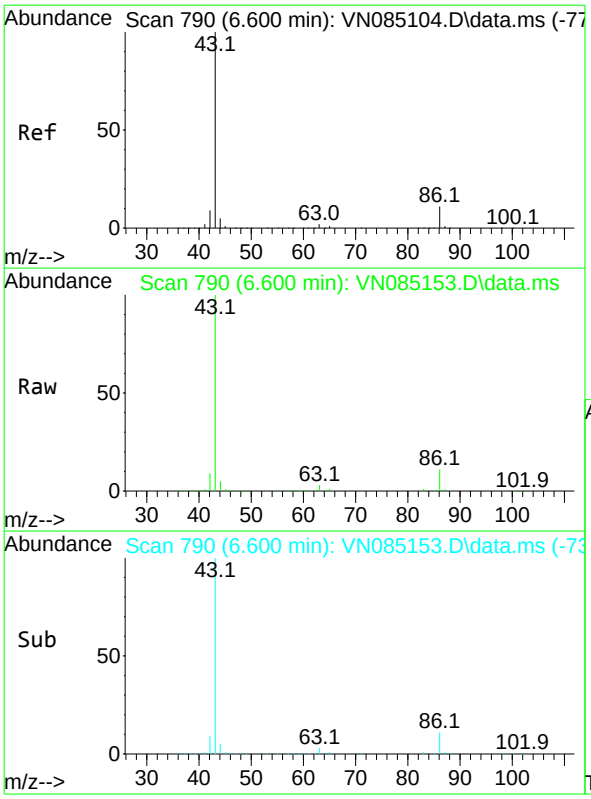


#22
Diisopropyl ether
Concen: 55.815 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 45 Resp: 327105

Ion	Ratio	Lower	Upper
45	100		
43	54.5	42.7	64.1
87	29.5	22.6	34.0
59	12.9	9.9	14.9

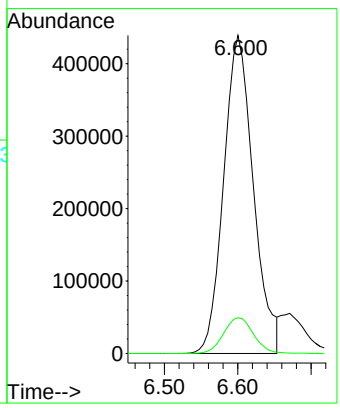




#23
Vinyl Acetate
Concen: 305.508 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 43 Resp: 1235181

Ion	Ratio	Lower	Upper
43	100		
86	11.2	8.9	13.3



Instrument :
MSVOA_N
ClientSampleId :
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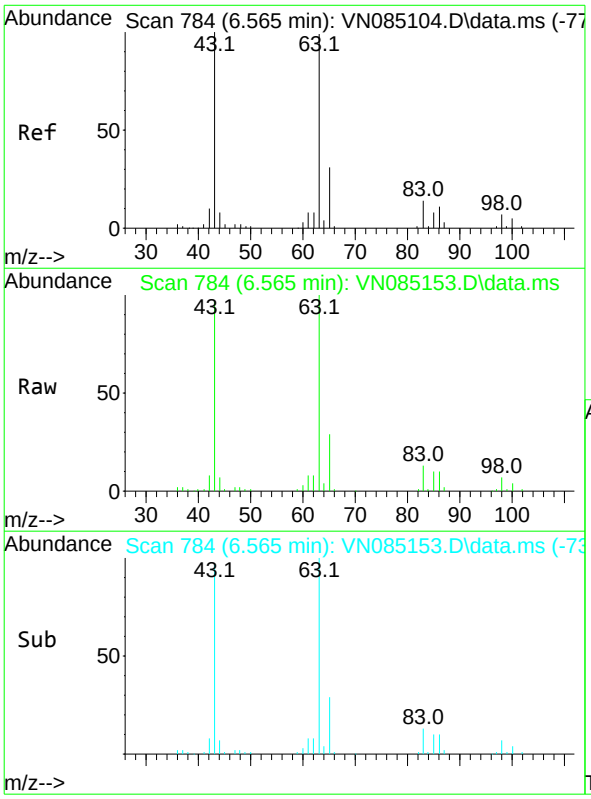
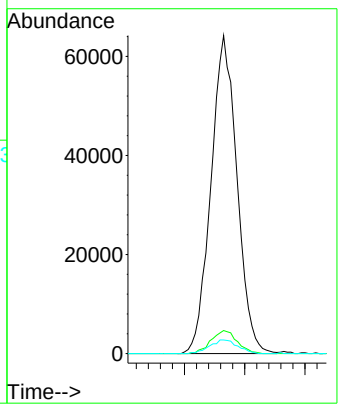
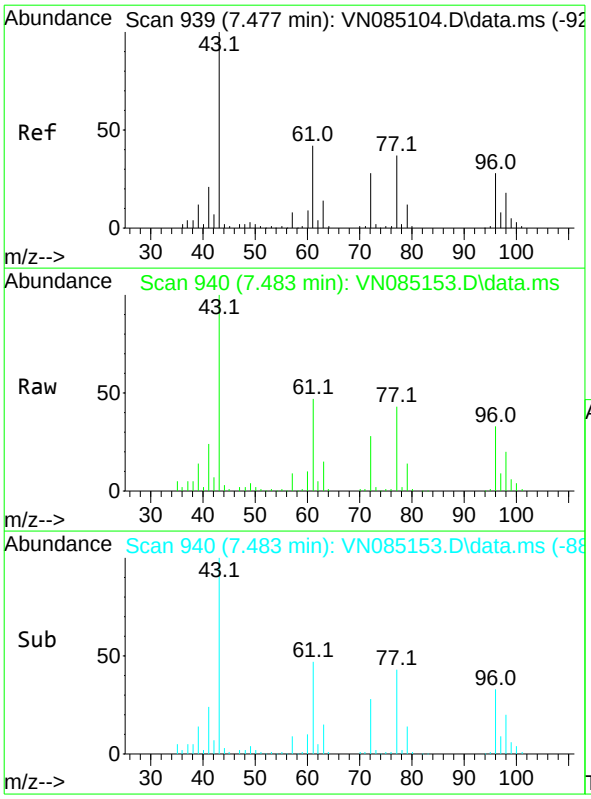


#24
1,1-Dichloroethane
Concen: 54.999 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.012 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 63 Resp: 192887

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.3	9.8
100	4.3	2.2	6.6

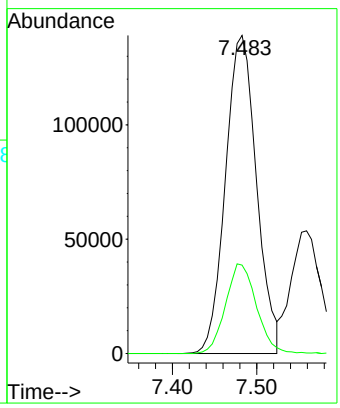




#25
2-Butanone
Concen: 322.655 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 43 Resp: 356129

Ion	Ratio	Lower	Upper
43	100		
72	27.8	21.4	32.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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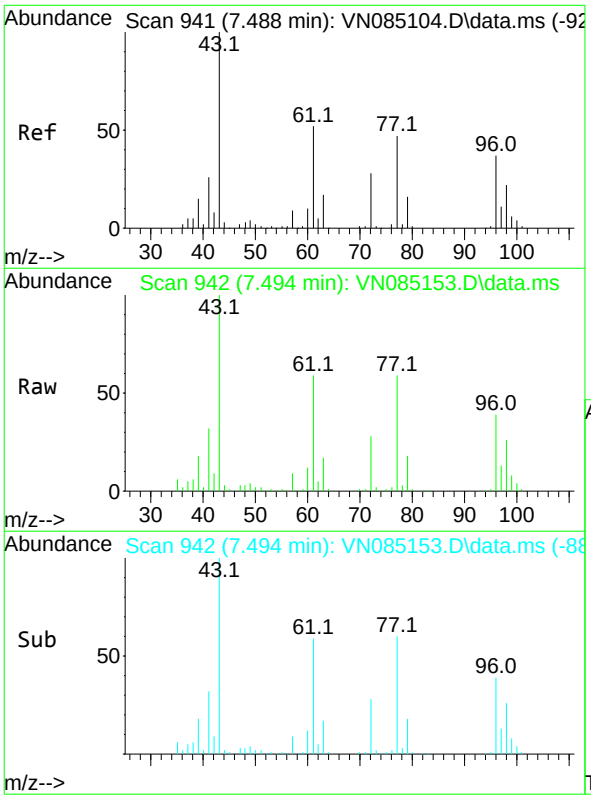
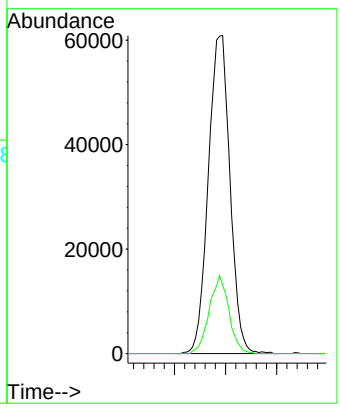
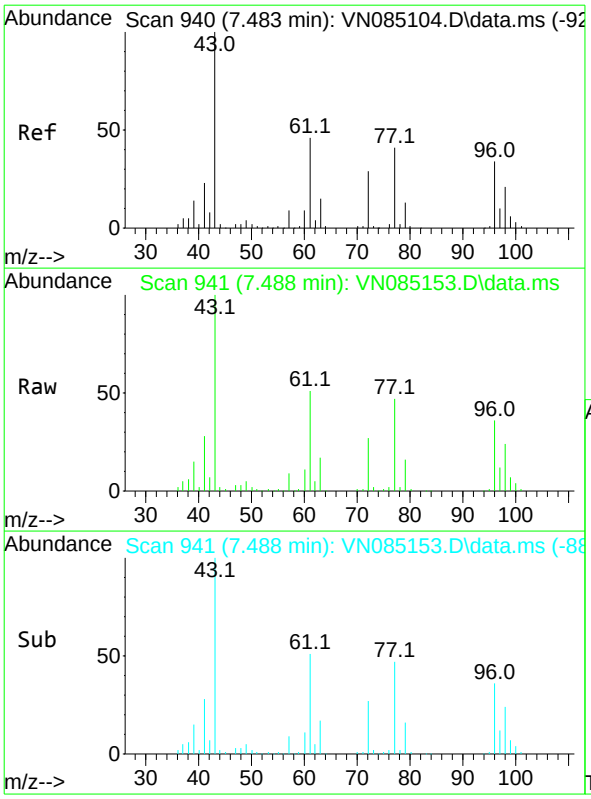


#26
2,2-Dichloropropane
Concen: 54.775 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 77 Resp: 179376

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.9	32.7

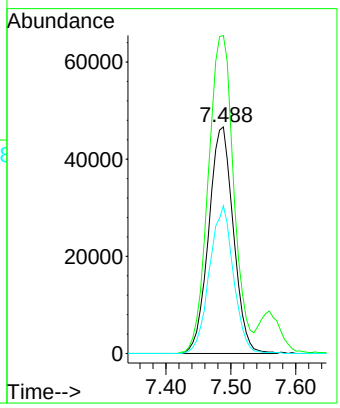




#27
cis-1,2-Dichloroethene
Concen: 56.300 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 96 Resp: 123370

Ion	Ratio	Lower	Upper
96	100		
61	145.1	0.0	291.6
98	63.3	0.0	129.8



Instrument :
MSVOA_N
ClientSampleId :
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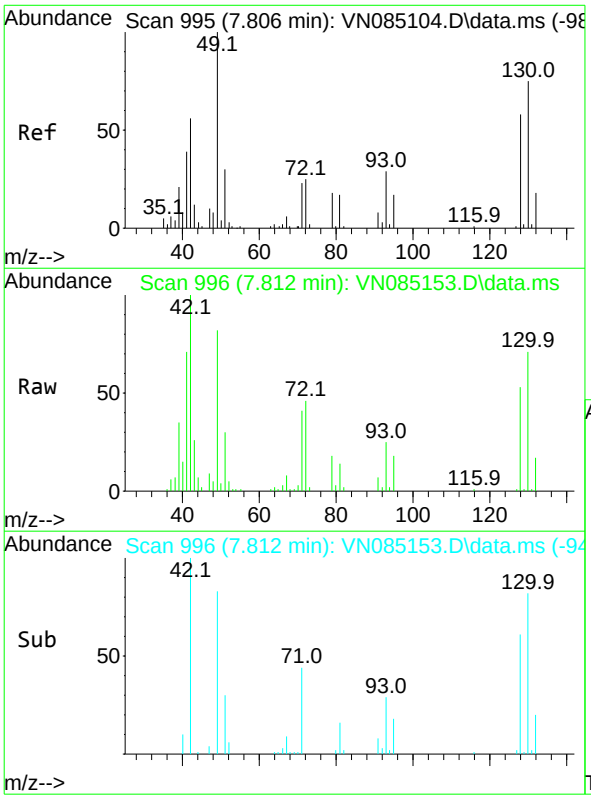
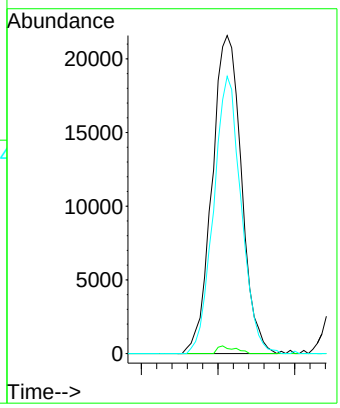
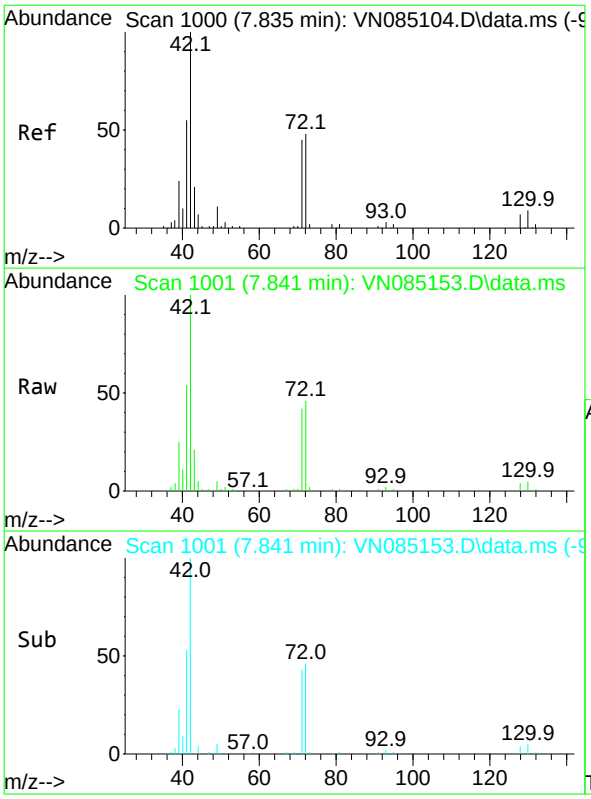


#28
Bromochloromethane
Concen: 43.360 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 49 Resp: 57402

Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	4.0
130	81.7	60.6	90.8

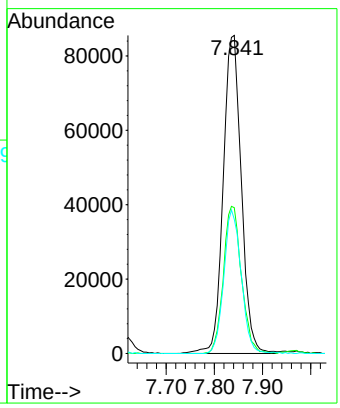




#29
Tetrahydrofuran
Concen: 325.304 ug/l
RT: 7.841 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 42 Resp: 223283

Ion	Ratio	Lower	Upper
42	100		
72	46.2	37.0	55.4
71	43.1	35.0	52.4



Instrument :
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ClientSampleId :
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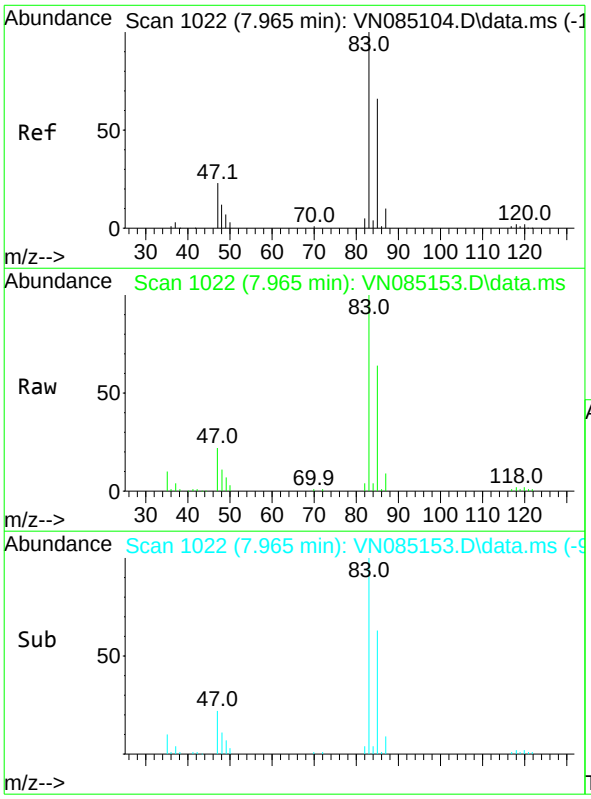
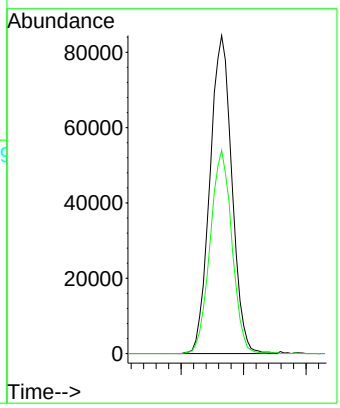
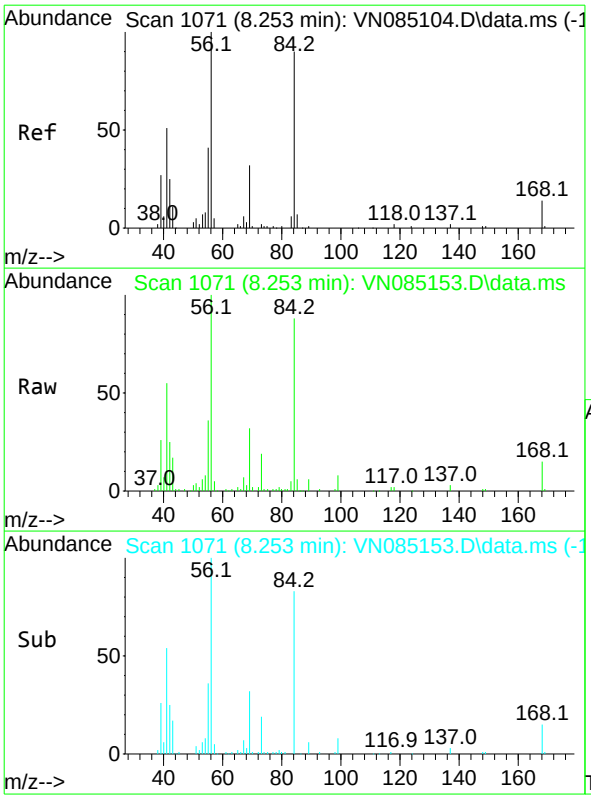


#30
Chloroform
Concen: 55.353 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 83 Resp: 206502

Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.6	78.8

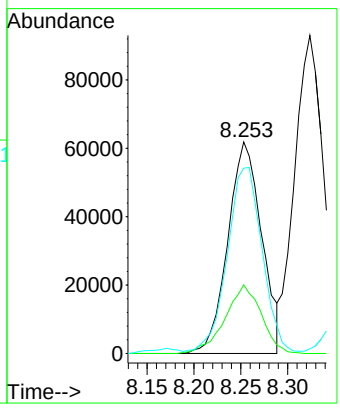




#31
Cyclohexane
Concen: 50.369 ug/l
RT: 8.253 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 56 Resp: 155530

Ion	Ratio	Lower	Upper
56	100		
69	32.4	24.6	36.8
84	85.9	71.4	107.2



Instrument :
MSVOA_N
ClientSampleId :
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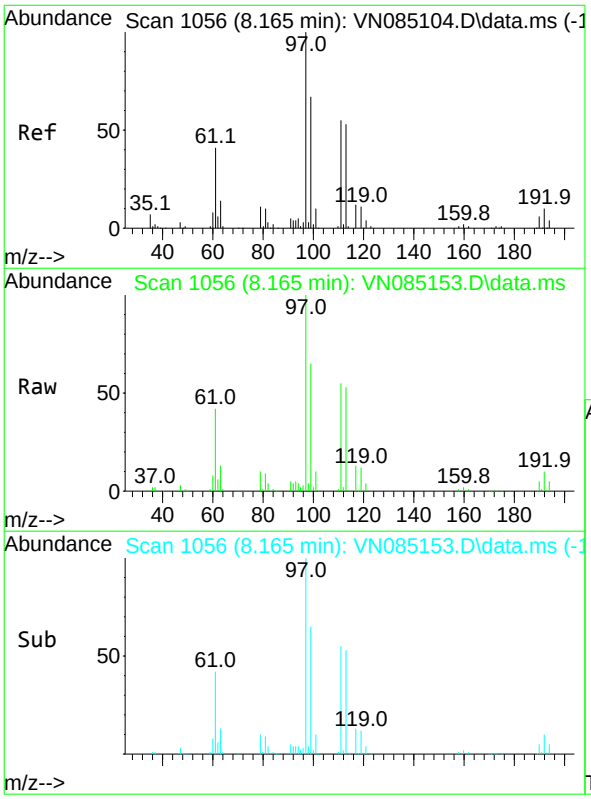
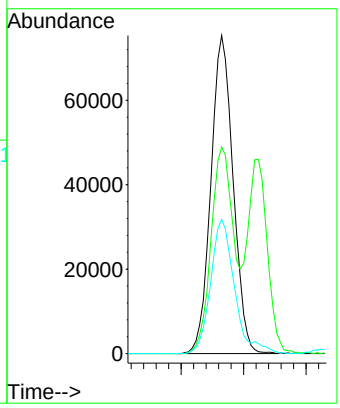
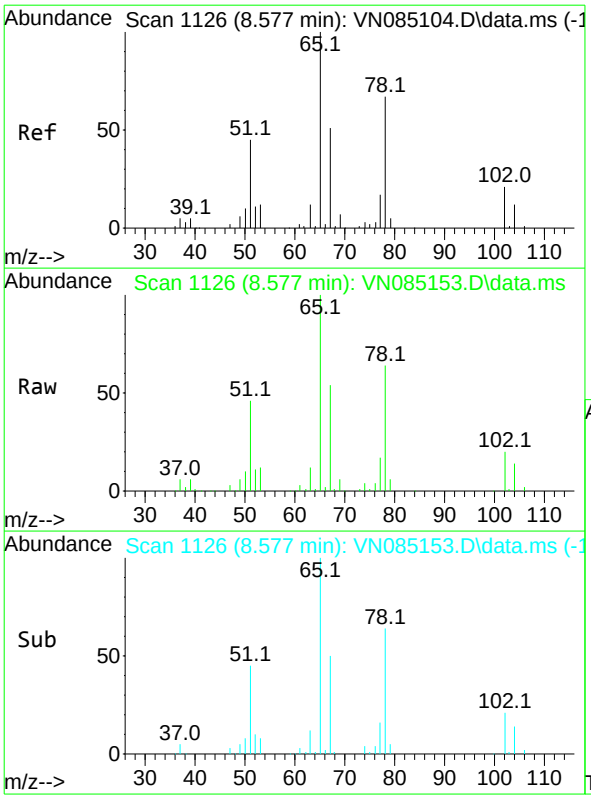


#32
1,1,1-Trichloroethane
Concen: 55.230 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 97 Resp: 186189

Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.0	76.4
61	45.4	36.2	54.2

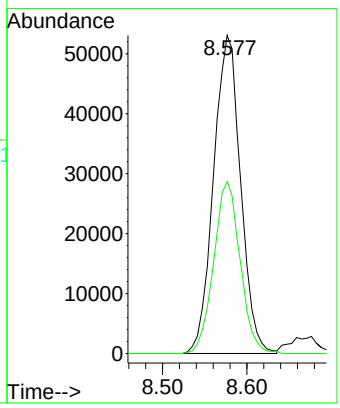




#33
1,2-Dichloroethane-d4
Concen: 51.000 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 65 Resp: 118220

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	105.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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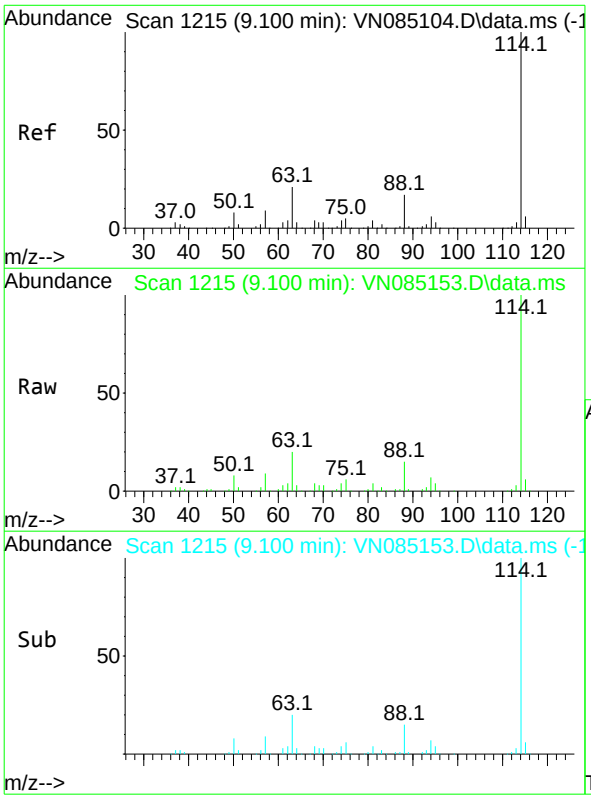
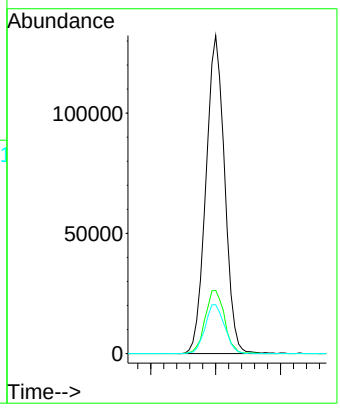
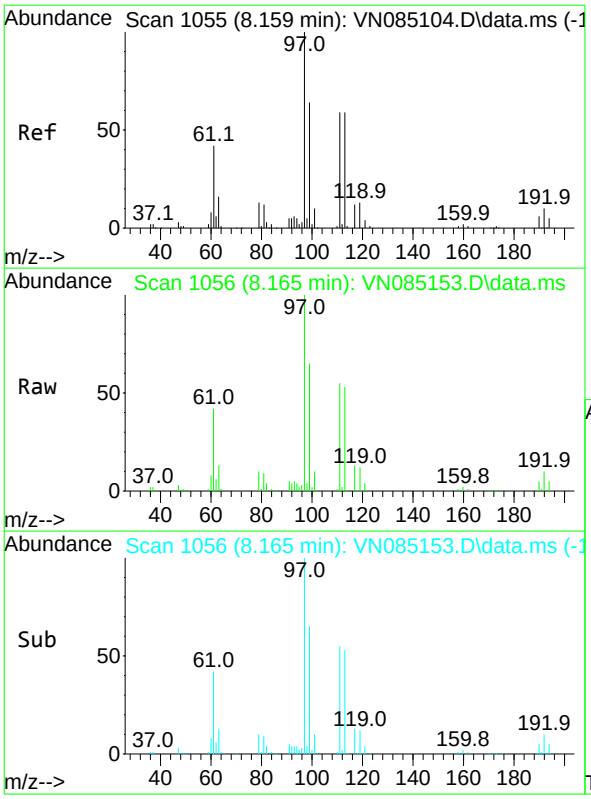


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:114 Resp: 265150

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	41.0
88	15.4	0.0	34.8





#35
Dibromofluoromethane
Concen: 53.613 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:113 Resp: 95864

Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.0	123.0
192	19.2	14.8	22.2

Instrument :
MSVOA_N
ClientSampleId :
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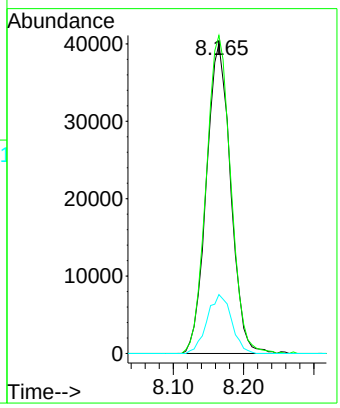
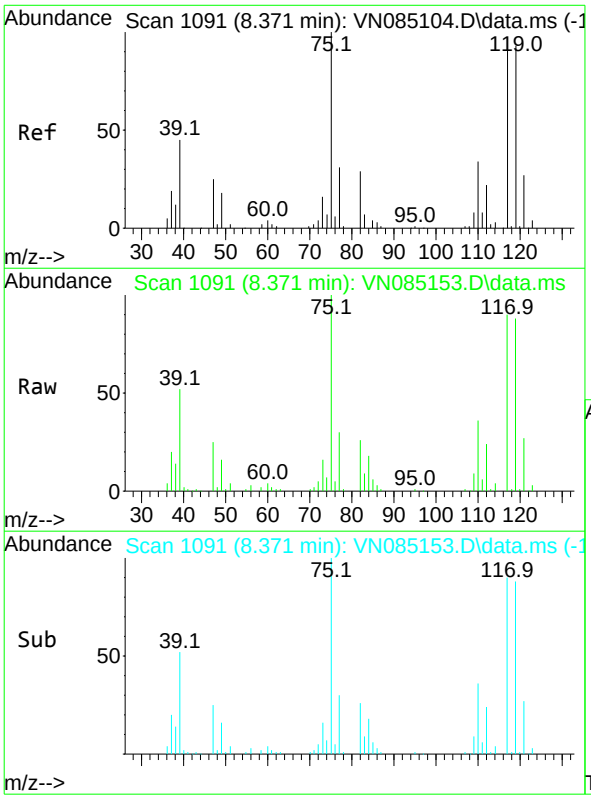
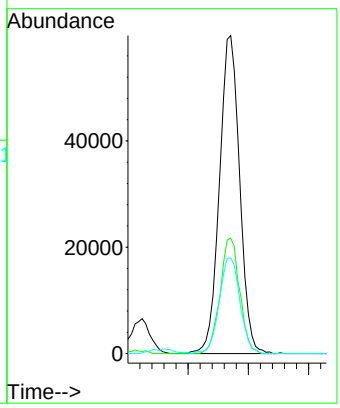


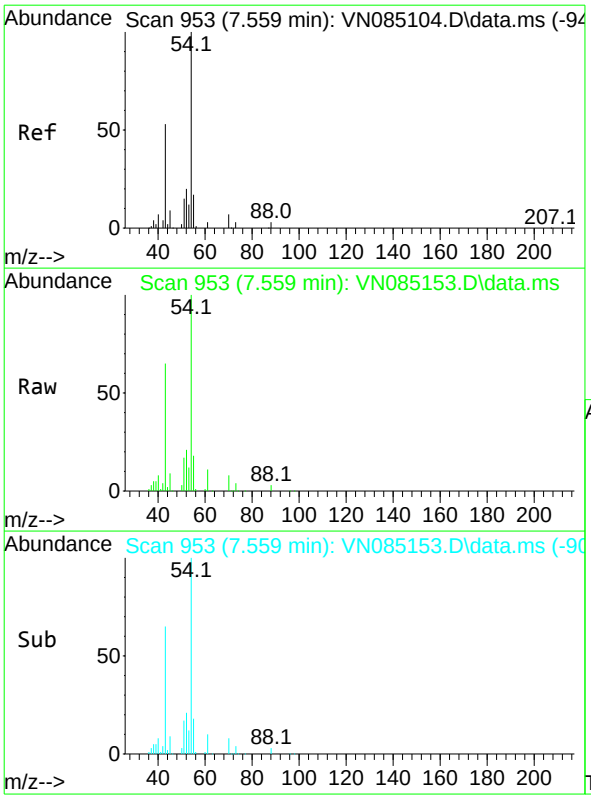


#36
1,1-Dichloropropene
Concen: 57.518 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 75 Resp: 139304

Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.2	51.6
77	31.0	24.2	36.4

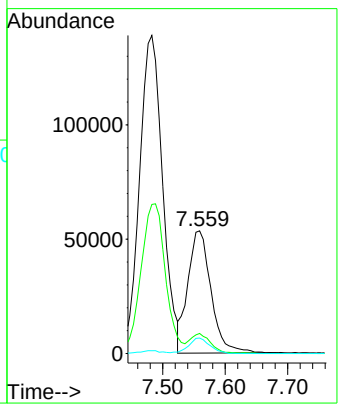




#37
Ethyl Acetate
Concen: 62.778 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 43 Resp: 138225

Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.7	17.5
70	11.5	9.3	13.9



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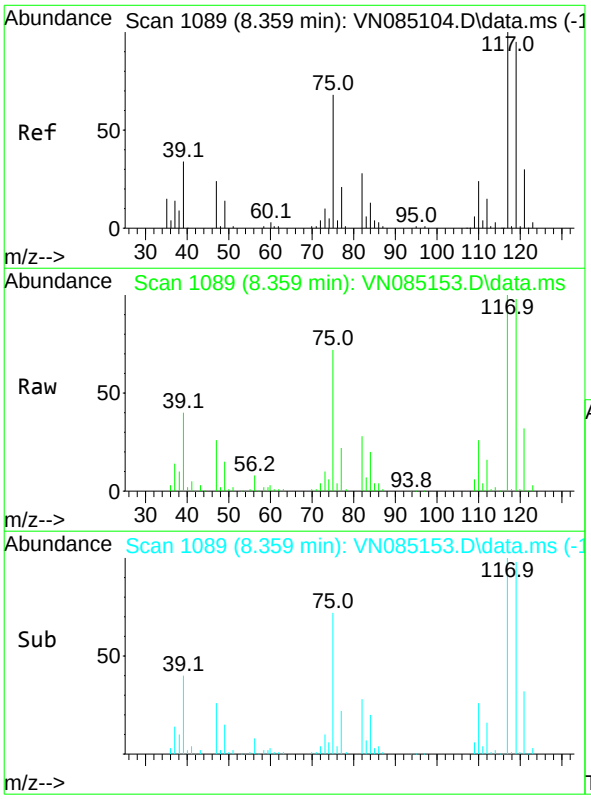
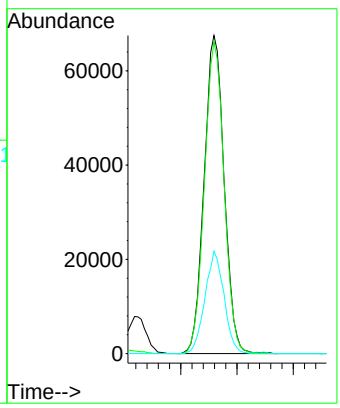
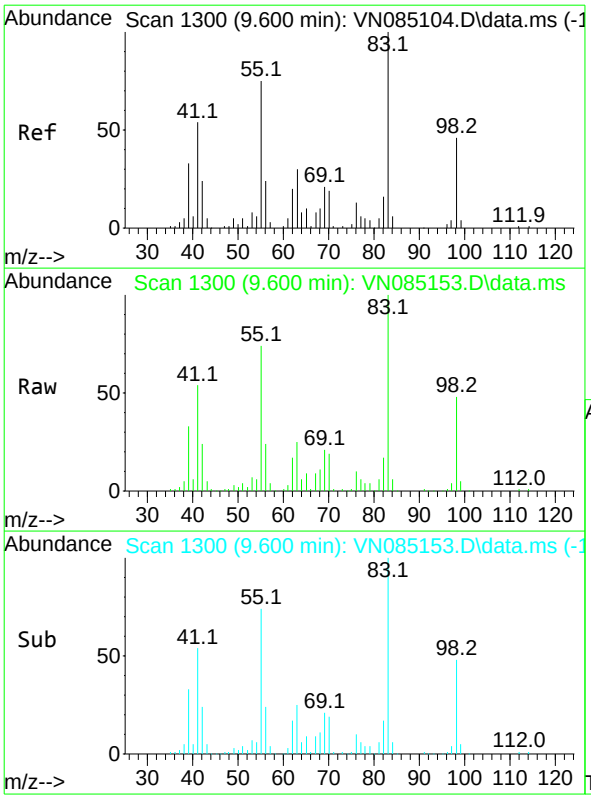


#38
Carbon Tetrachloride
Concen: 59.696 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:117 Resp: 166889

Ion	Ratio	Lower	Upper
117	100		
119	98.0	78.6	117.8
121	32.2	24.2	36.2

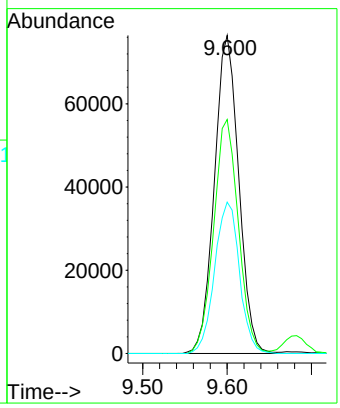




#39
Methylcyclohexane
Concen: 60.980 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 83 Resp: 153471

Ion	Ratio	Lower	Upper
83	100		
55	73.6	61.8	92.6
98	47.6	37.0	55.6



Instrument :
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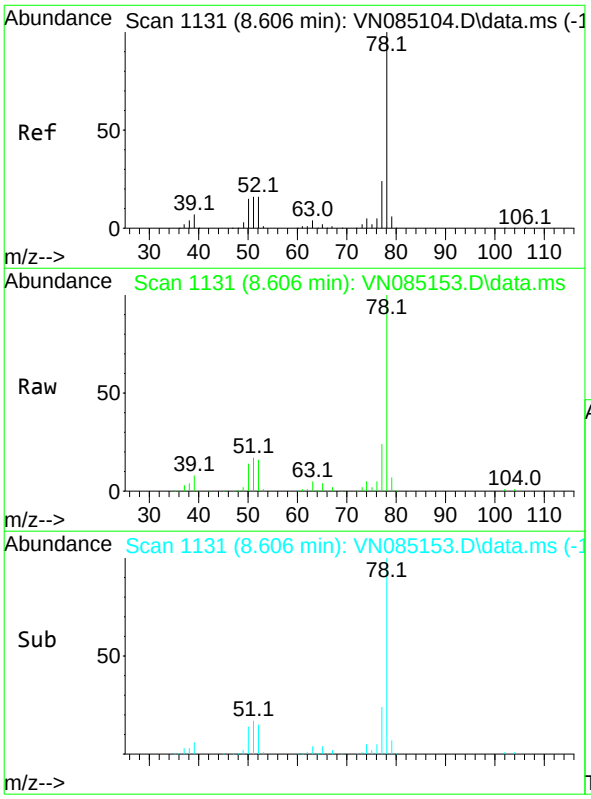
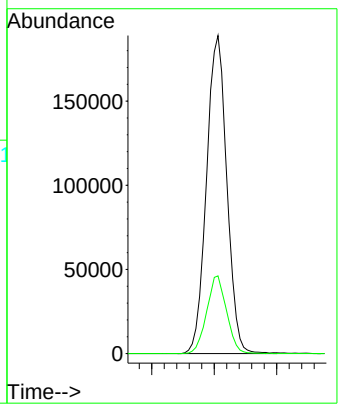
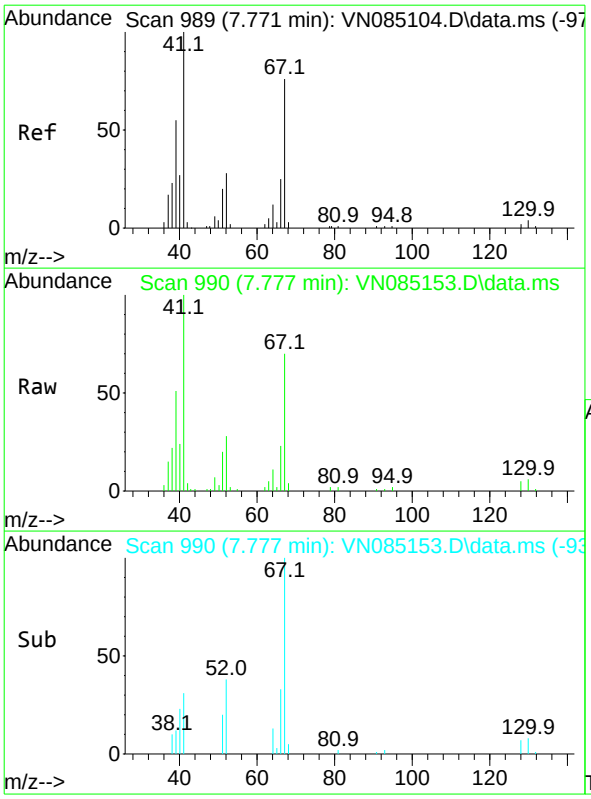


#40
Benzene
Concen: 55.734 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 78 Resp: 426932

Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.5	27.7

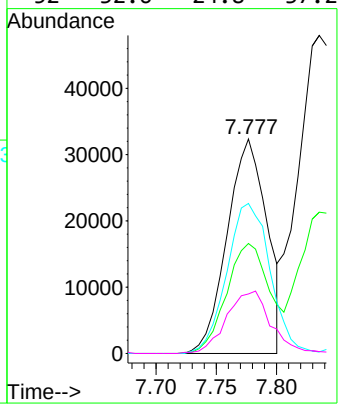




#41
Methacrylonitrile
Concen: 60.938 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 41 Resp: 74288

Ion	Ratio	Lower	Upper
41	100		
39	56.4	42.6	63.8
67	76.1	59.9	89.9
52	32.6	24.8	37.2



Instrument :
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ClientSampleId :
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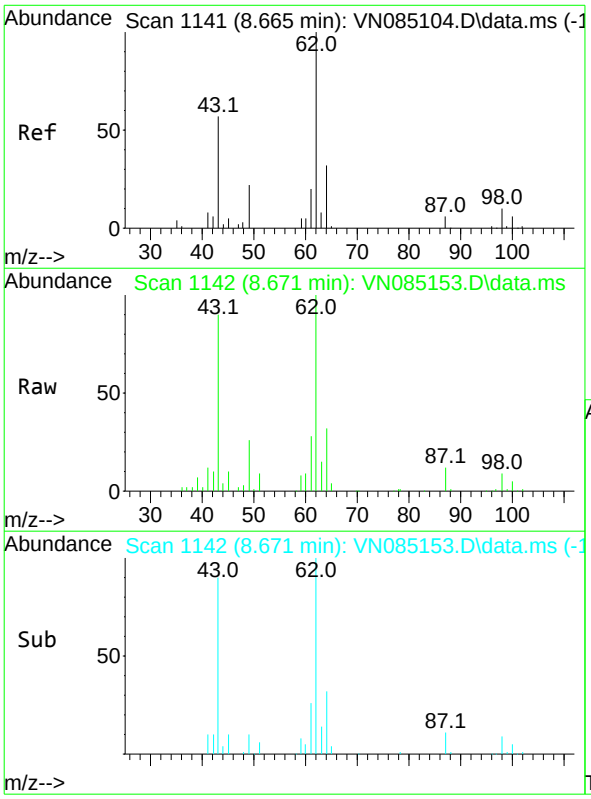
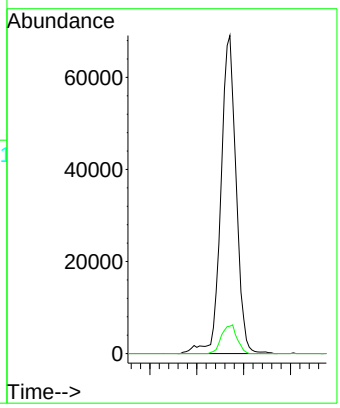
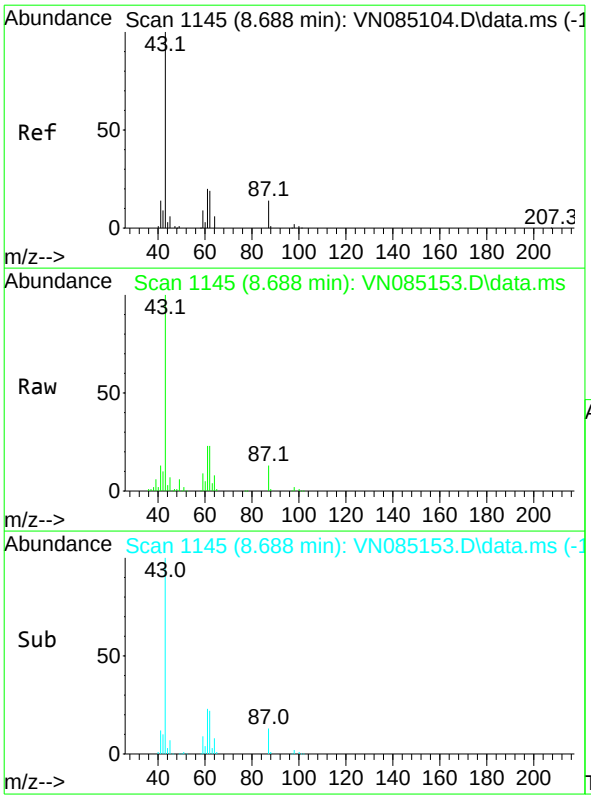


#42
1,2-Dichloroethane
Concen: 59.637 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 62 Resp: 156285

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2

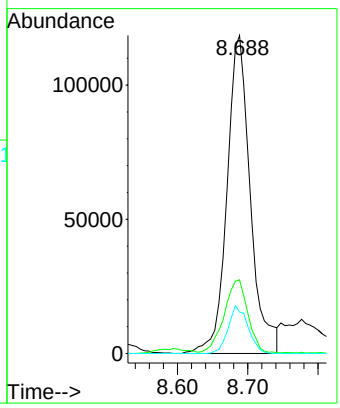




#43
Isopropyl Acetate
Concen: 59.842 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 43 Resp: 273688

Ion	Ratio	Lower	Upper
43	100		
61	23.4	20.6	30.8
87	12.7	11.0	16.4



Instrument :
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ClientSampleId :
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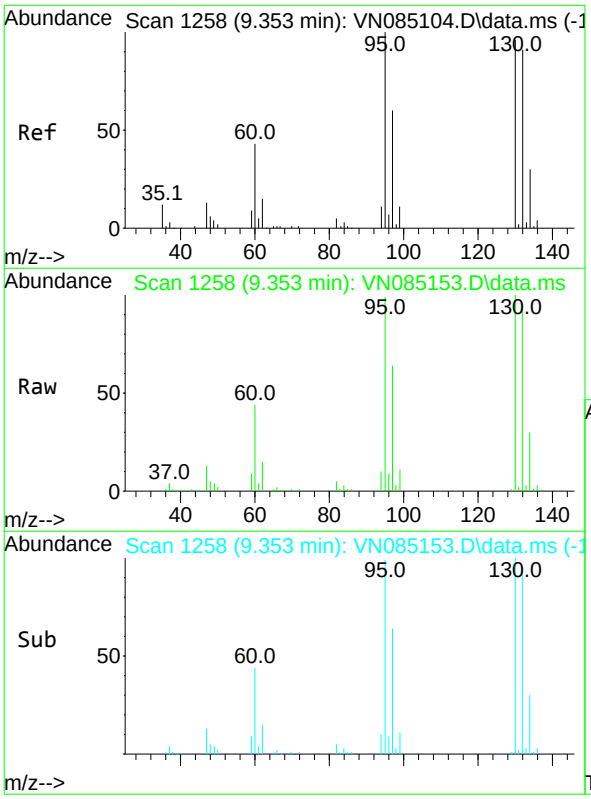
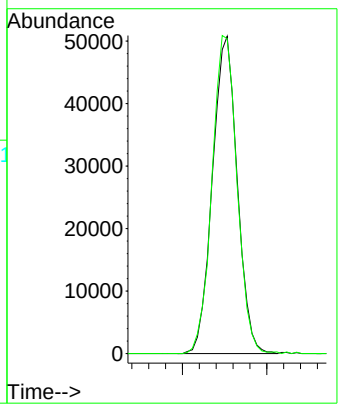
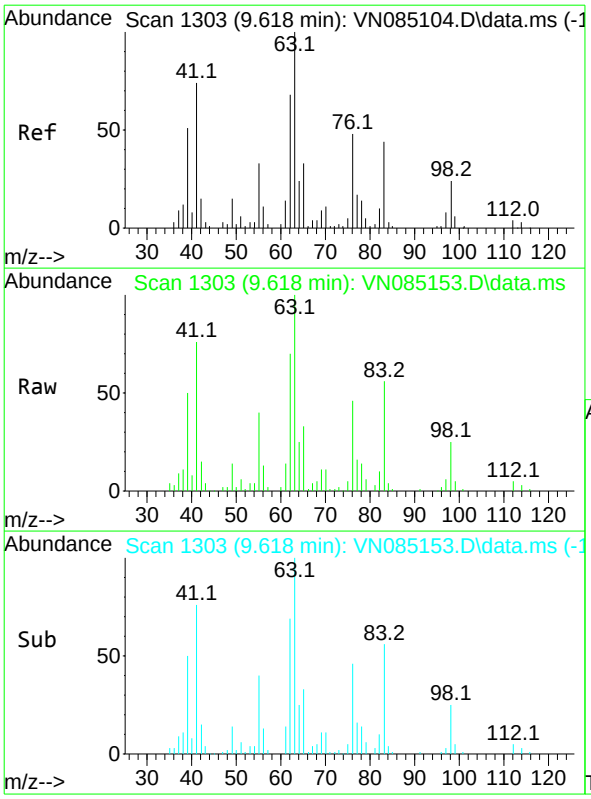


#44
Trichloroethene
Concen: 58.195 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:130 Resp: 103598

Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	213.4

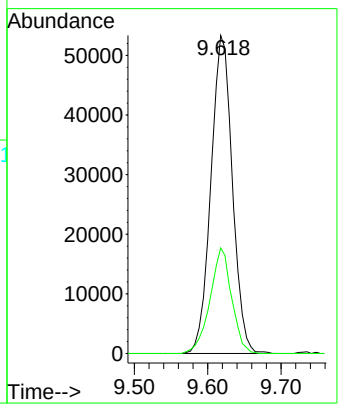




#45
1,2-Dichloropropane
Concen: 57.347 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 63 Resp: 108197

Ion	Ratio	Lower	Upper
63	100		
65	33.2	24.0	36.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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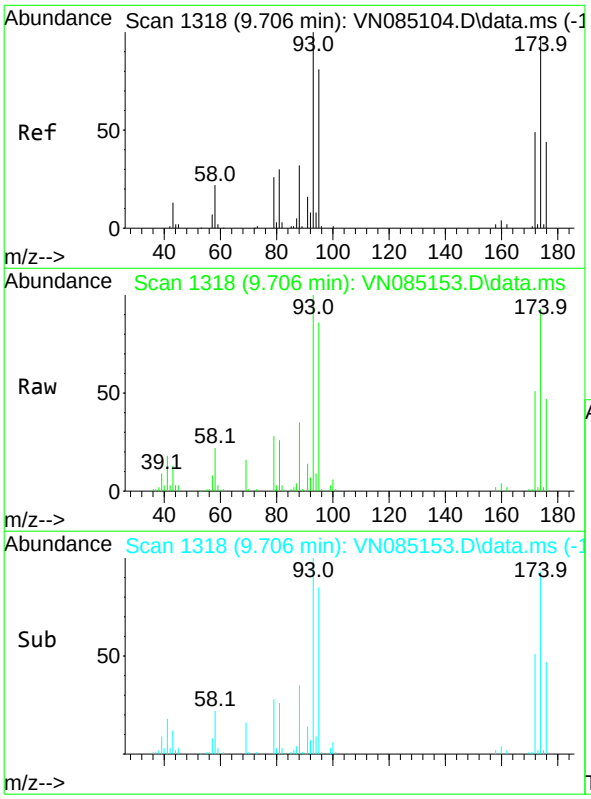
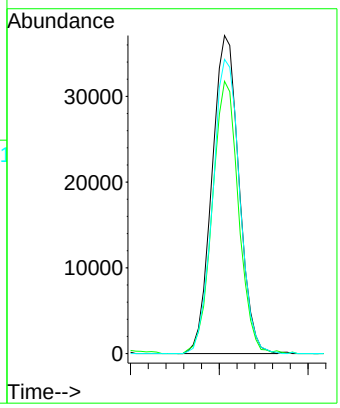
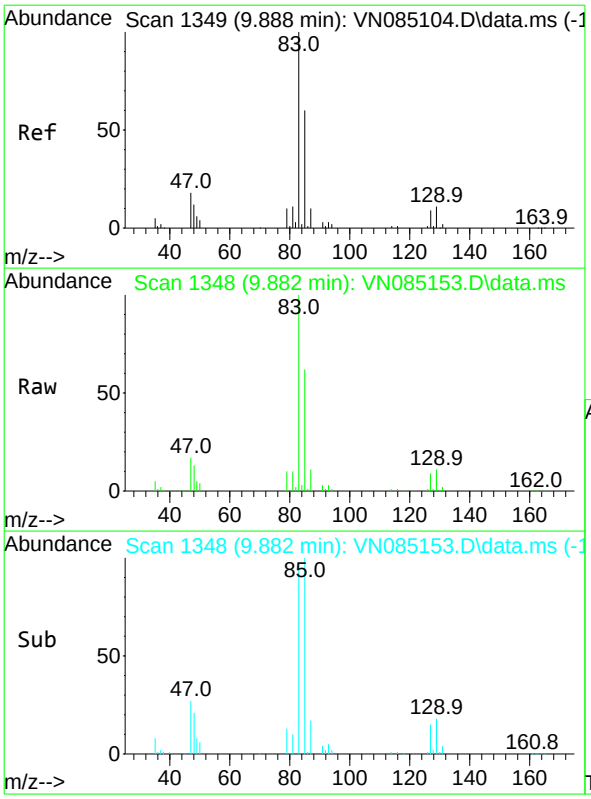


#46
Dibromomethane
Concen: 59.757 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 93 Resp: 78342

Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.2	99.4
174	92.3	74.9	112.3

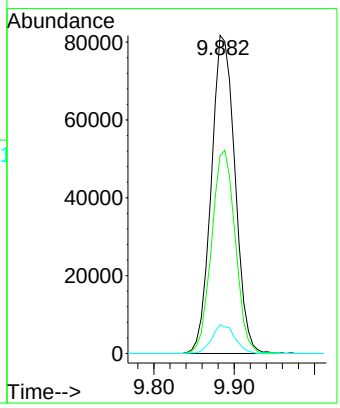




#47
Bromodichloromethane
Concen: 60.258 ug/l
RT: 9.882 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 83 Resp: 167432

Ion	Ratio	Lower	Upper
83	100		
85	62.2	50.5	75.7
127	9.0	7.1	10.7



Instrument :
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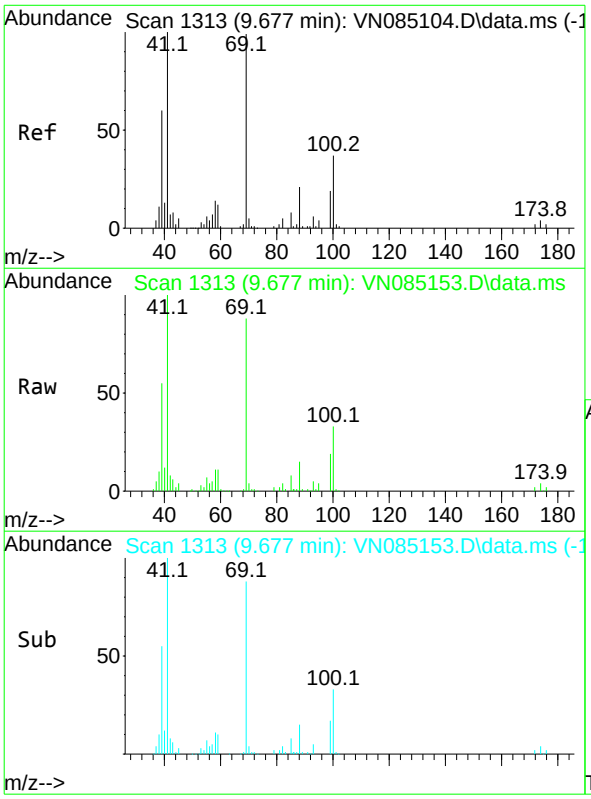
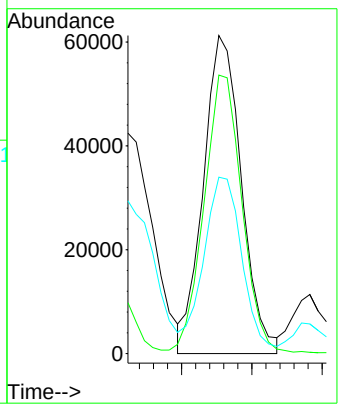
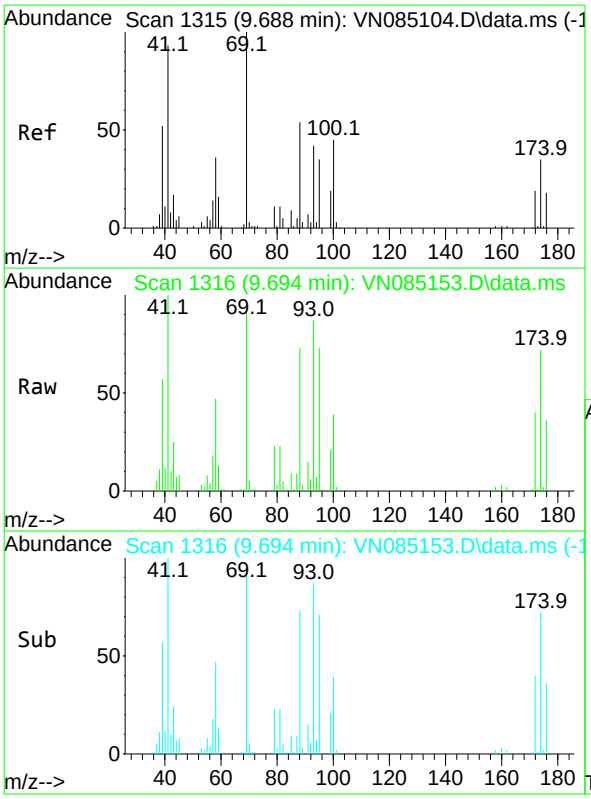


#48
Methyl methacrylate
Concen: 67.720 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 41 Resp: 115253

Ion	Ratio	Lower	Upper
41	100		
69	87.7	73.2	109.8
39	56.4	46.2	69.4





#49
1,4-Dioxane
Concen: 1457.126 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 88 Resp: 43006

Ion	Ratio	Lower	Upper
88	100		
43	28.5	16.7	25.1#
58	68.4	56.5	84.7

Instrument :
MSVOA_N
ClientSampleId :
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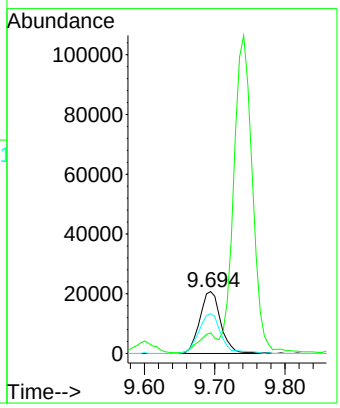
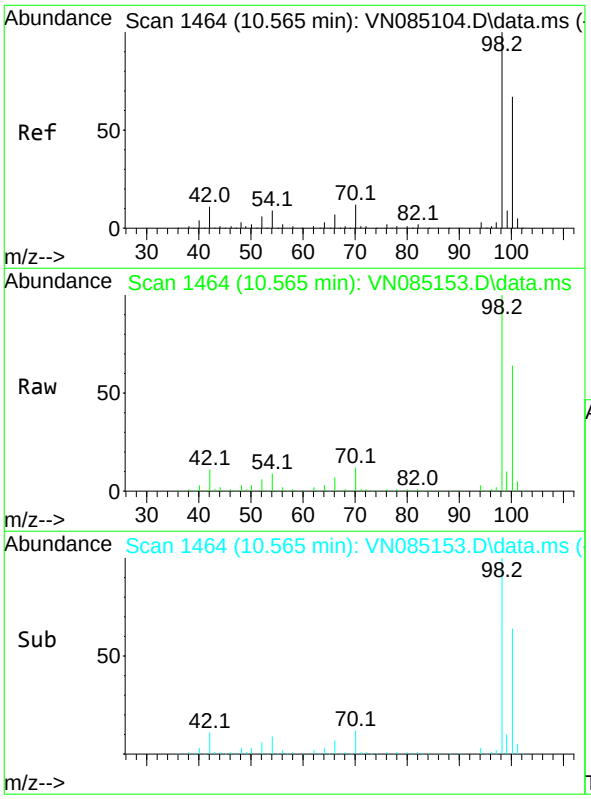
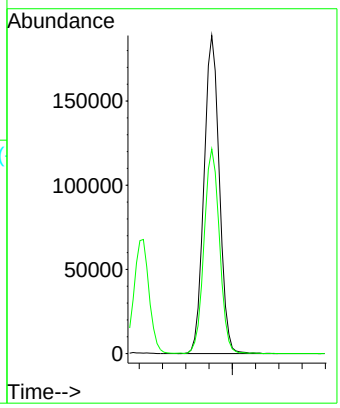


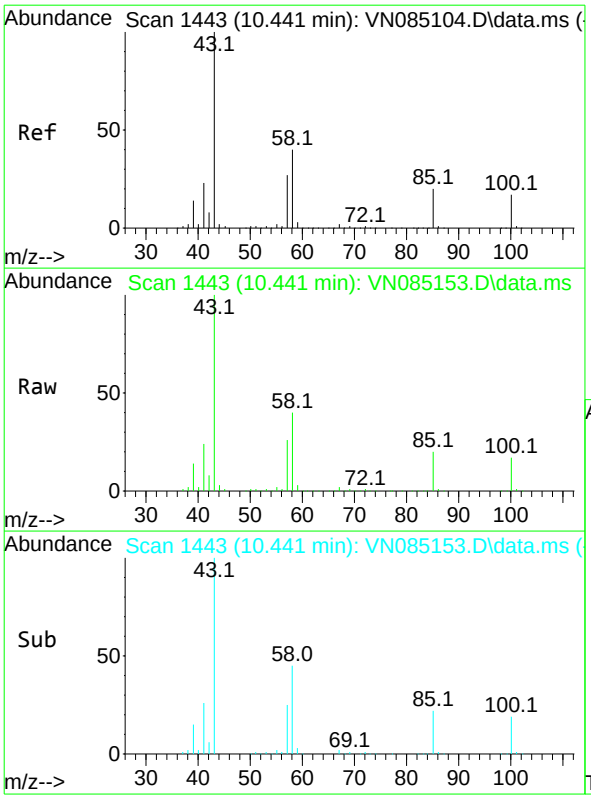


#50
Toluene-d8
Concen: 53.987 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 98 Resp: 345955

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.5	78.7

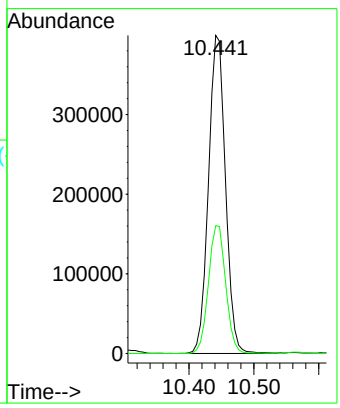




#51
4-Methyl-2-Pentanone
Concen: 347.299 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 43 Resp: 725499

Ion	Ratio	Lower	Upper
43	100		
58	40.9	32.1	48.1



Instrument :
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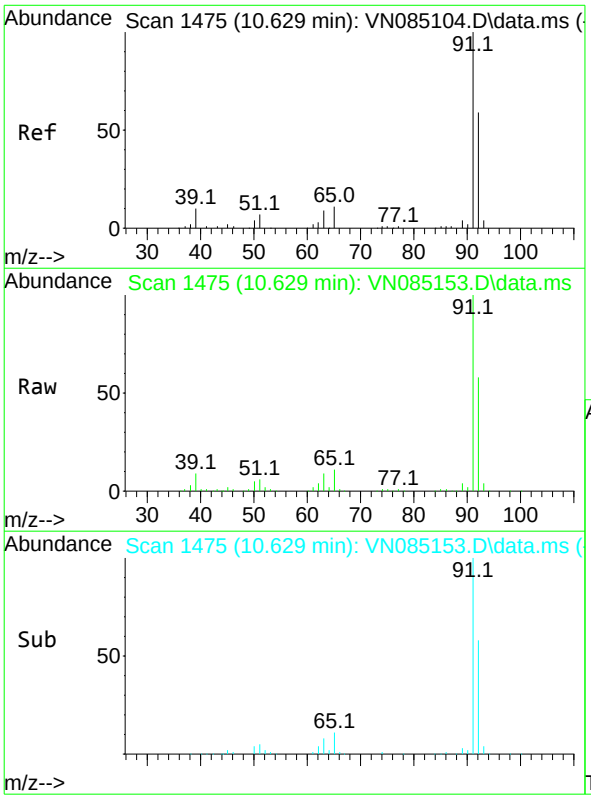
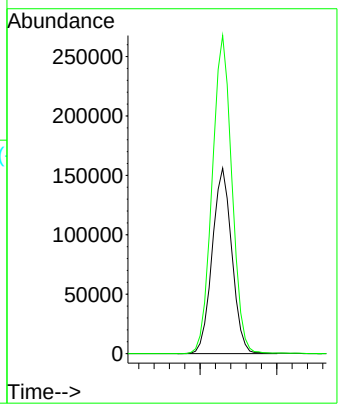
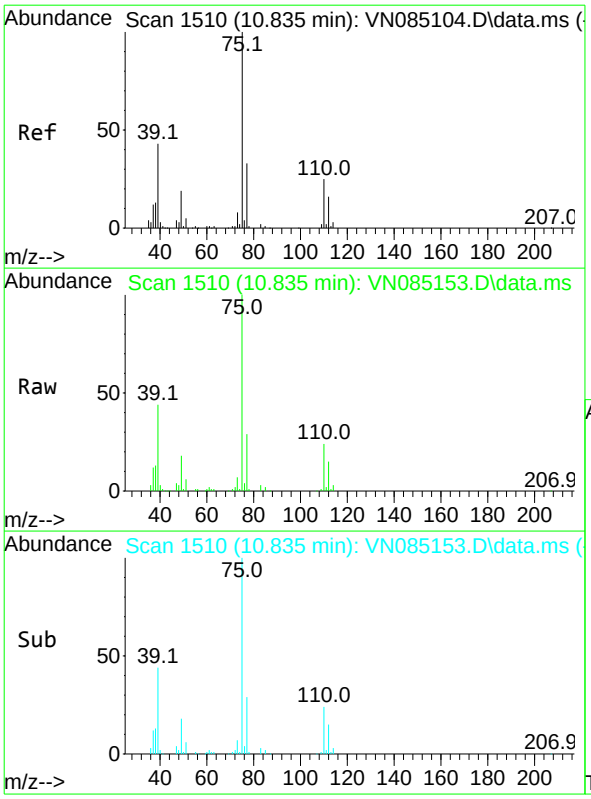


#52
Toluene
Concen: 61.119 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 92 Resp: 277164

Ion	Ratio	Lower	Upper
92	100		
91	172.7	136.7	205.1

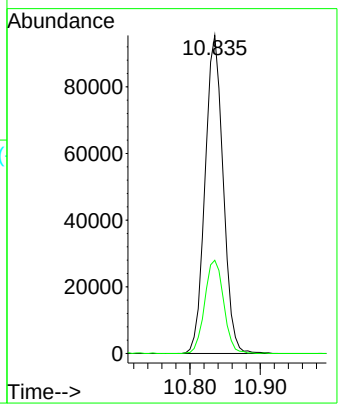




#53
t-1,3-Dichloropropene
Concen: 61.118 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 75 Resp: 170255

Ion	Ratio	Lower	Upper
75	100		
77	29.3	25.0	37.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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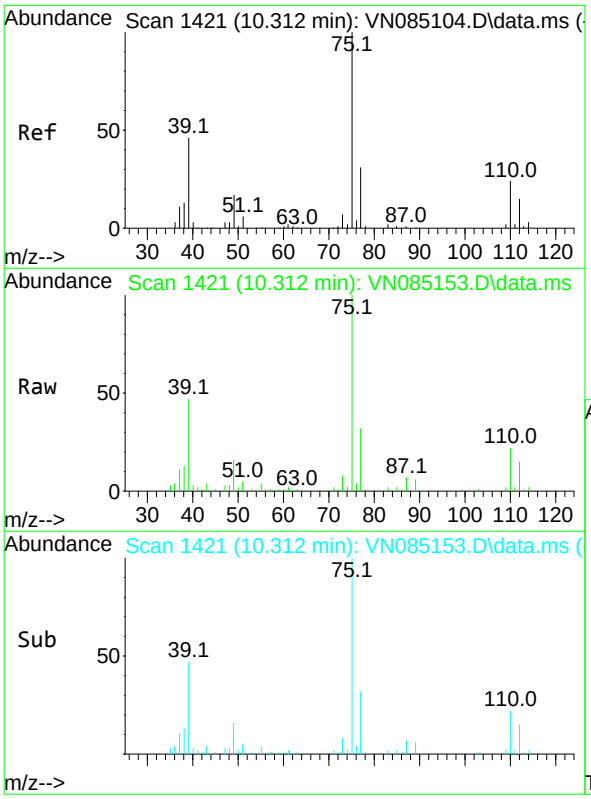
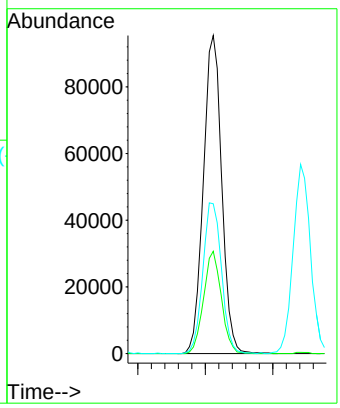
Supervised By :Mahesh Dadoda 12/10/2024

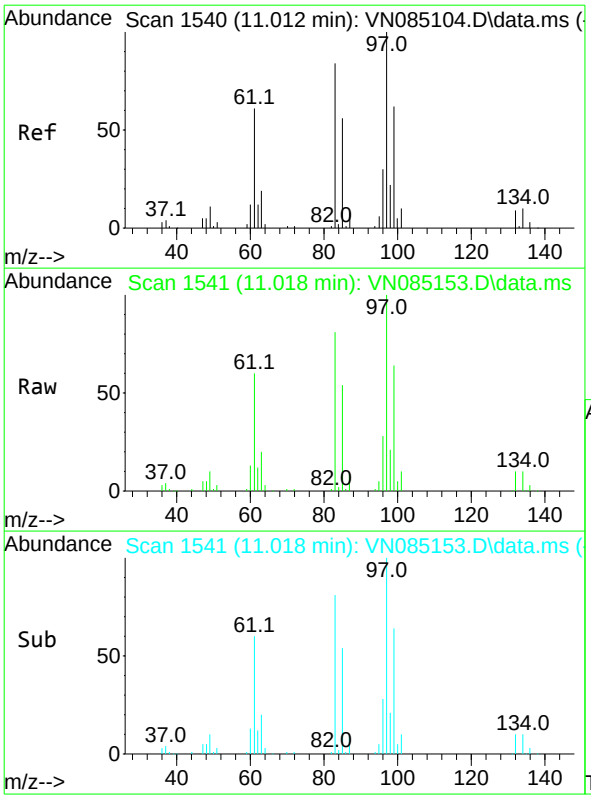


#54
cis-1,3-Dichloropropene
Concen: 60.963 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 75 Resp: 180164

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.0	37.4
39	47.1	37.6	56.4

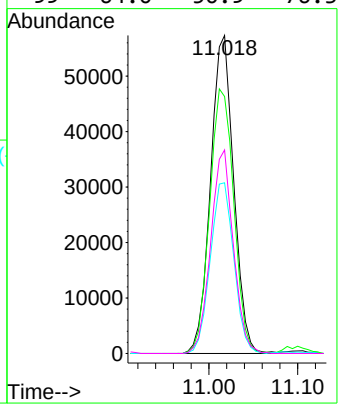




#55
1,1,2-Trichloroethane
Concen: 61.496 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 97 Resp: 103873

Ion	Ratio	Lower	Upper
97	100		
83	80.8	67.4	101.2
85	53.7	43.1	64.7
99	64.0	50.9	76.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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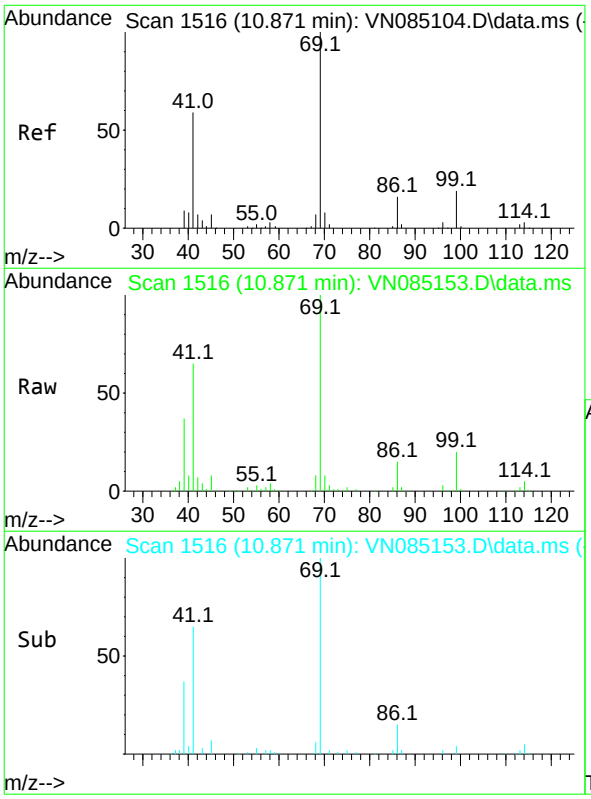
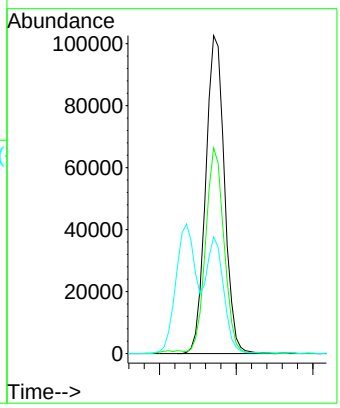
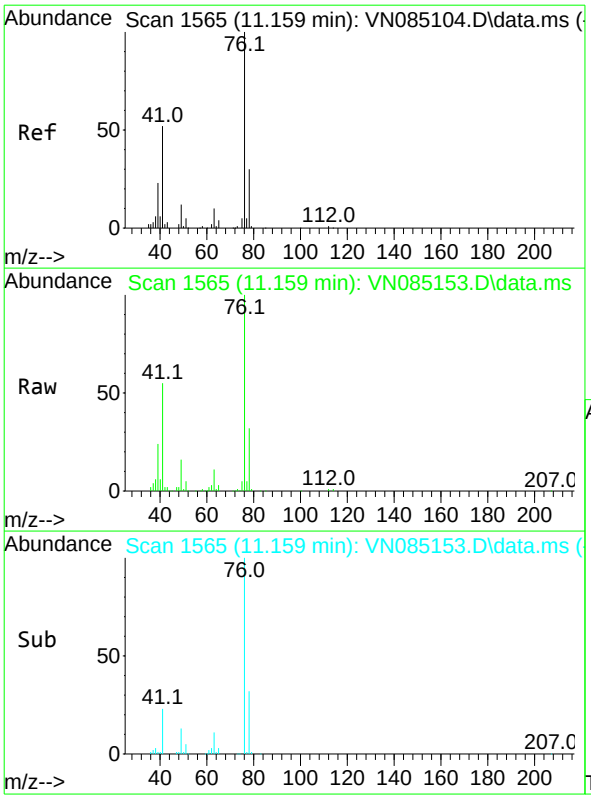


#56
Ethyl methacrylate
Concen: 70.497 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 69 Resp: 174001

Ion	Ratio	Lower	Upper
69	100		
41	63.7	50.0	75.0
39	34.9	27.0	40.6

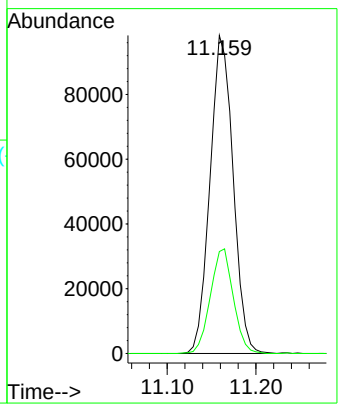




#57
1,3-Dichloropropane
Concen: 59.747 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 76 Resp: 177618

Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.1	39.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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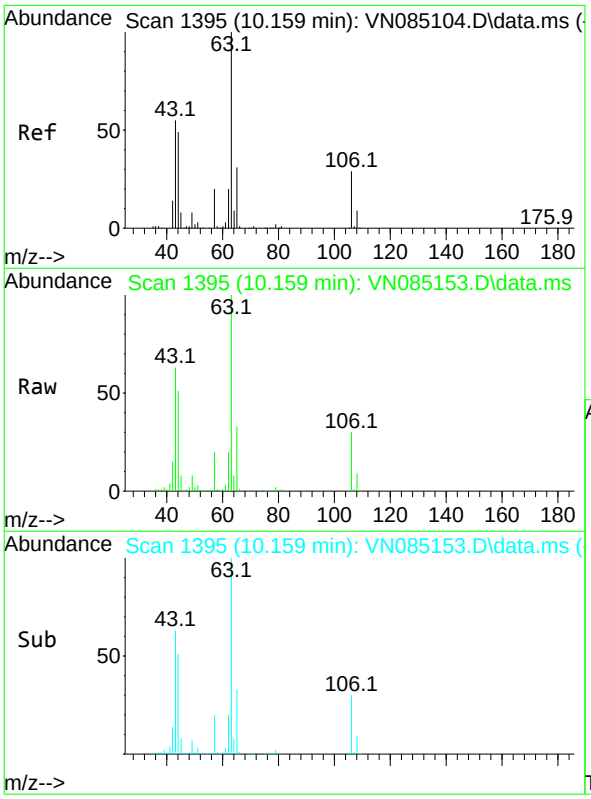
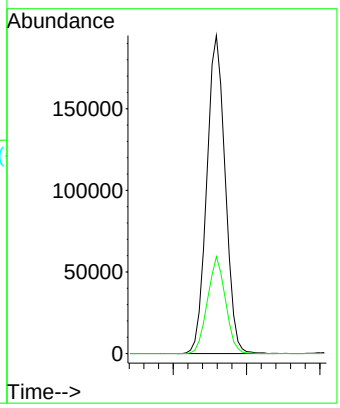
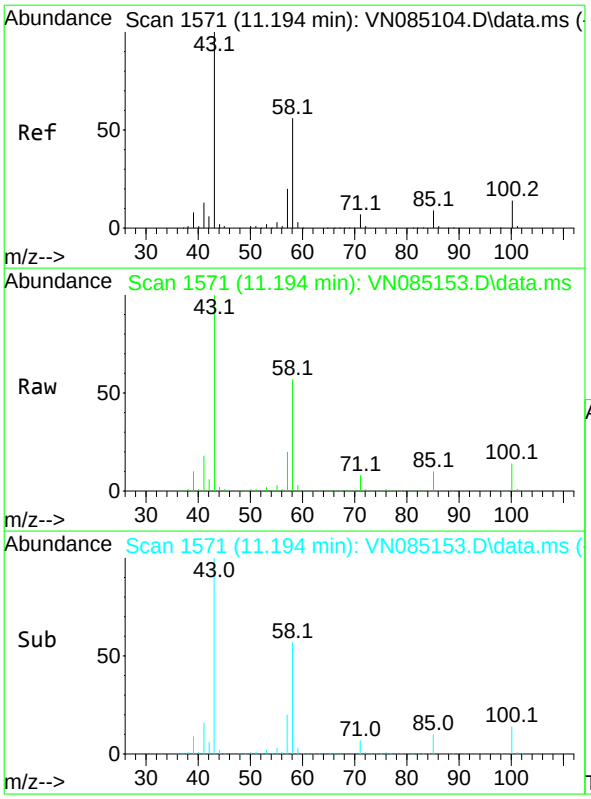


#58
2-Chloroethyl Vinyl ether
Concen: 280.990 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 63 Resp: 340202

Ion	Ratio	Lower	Upper
63	100		
106	29.7	23.0	34.6

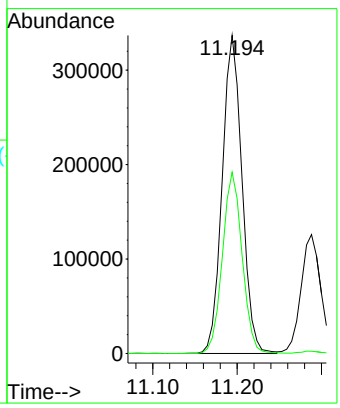




#59
2-Hexanone
Concen: 351.625 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 43 Resp: 549363

Ion	Ratio	Lower	Upper
43	100		
58	56.6	28.3	85.0



Instrument :
MSVOA_N
ClientSampleId :
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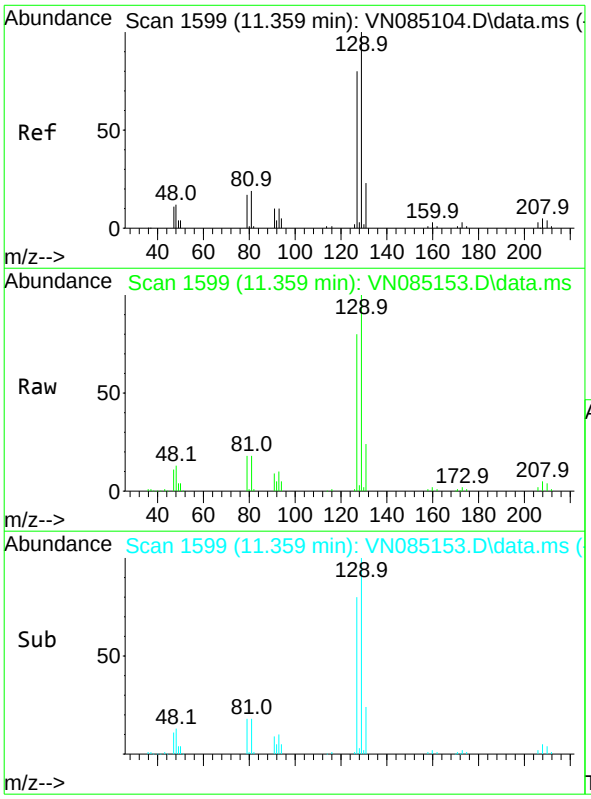
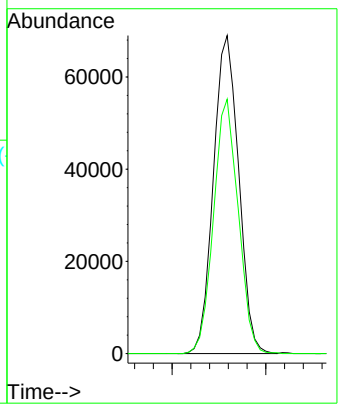
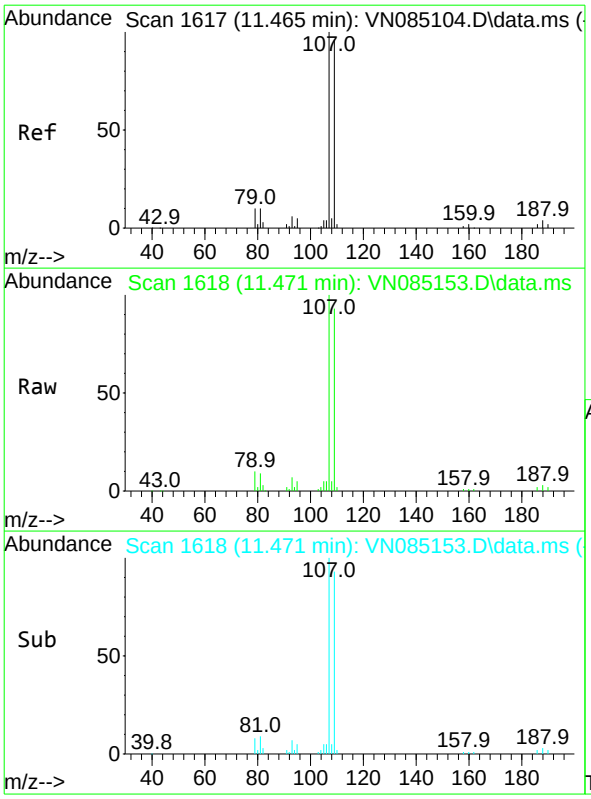


#60
Dibromochloromethane
Concen: 62.448 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:129 Resp: 128913

Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.2	117.6





#61
1,2-Dibromoethane
Concen: 62.224 ug/l
RT: 11.471 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:107 Resp: 108774

Ion	Ratio	Lower	Upper
107	100		
109	94.0	76.1	114.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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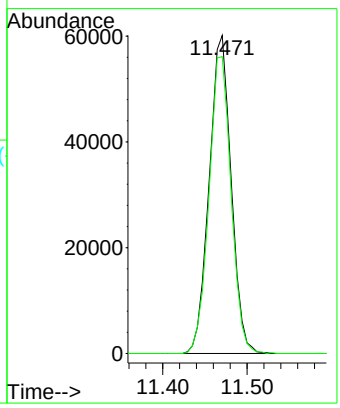
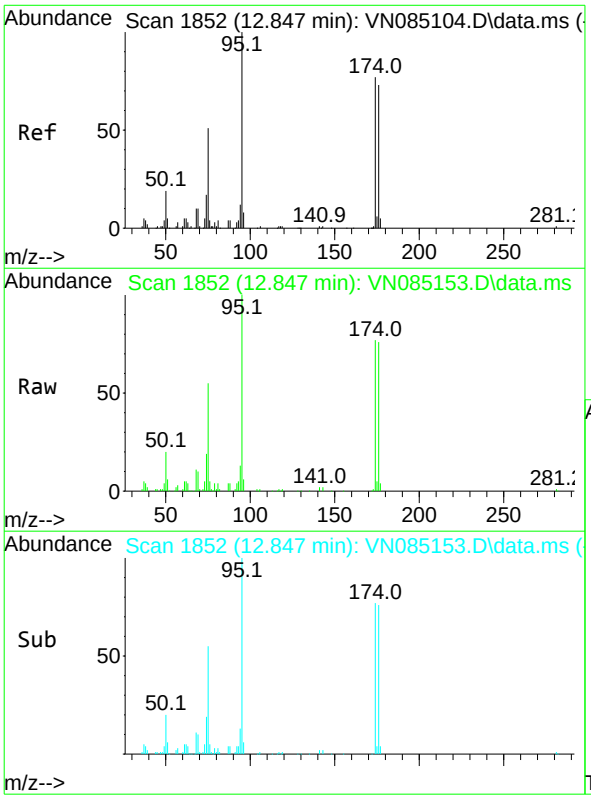
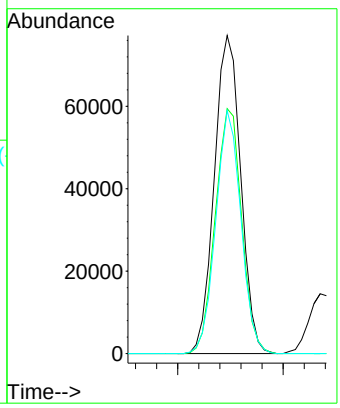


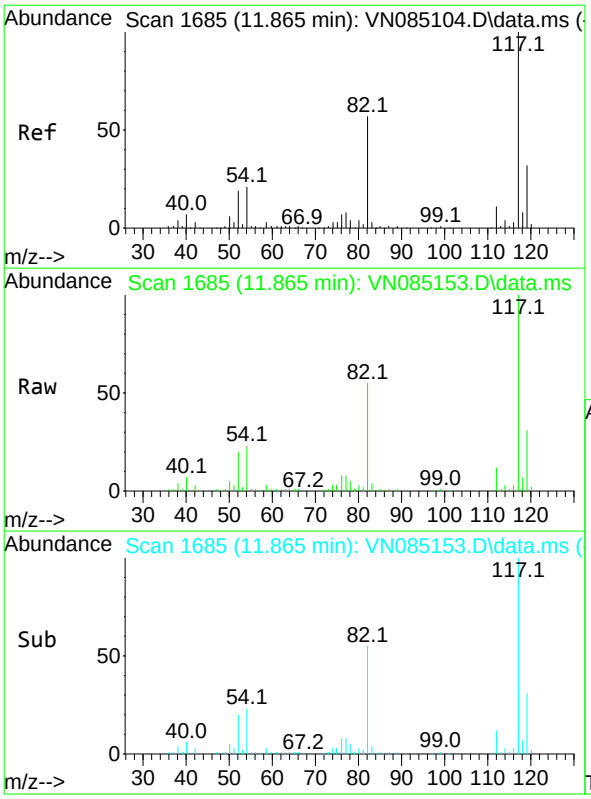


#62
4-Bromofluorobenzene
Concen: 56.039 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 95 Resp: 134293

Ion	Ratio	Lower	Upper
95	100		
174	76.6	0.0	146.6
176	72.8	0.0	141.8

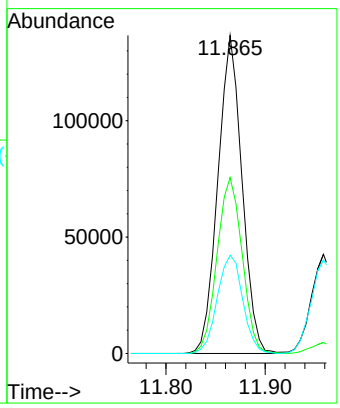




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:117 Resp: 230771

Ion	Ratio	Lower	Upper
117	100		
82	55.3	46.0	69.0
119	30.9	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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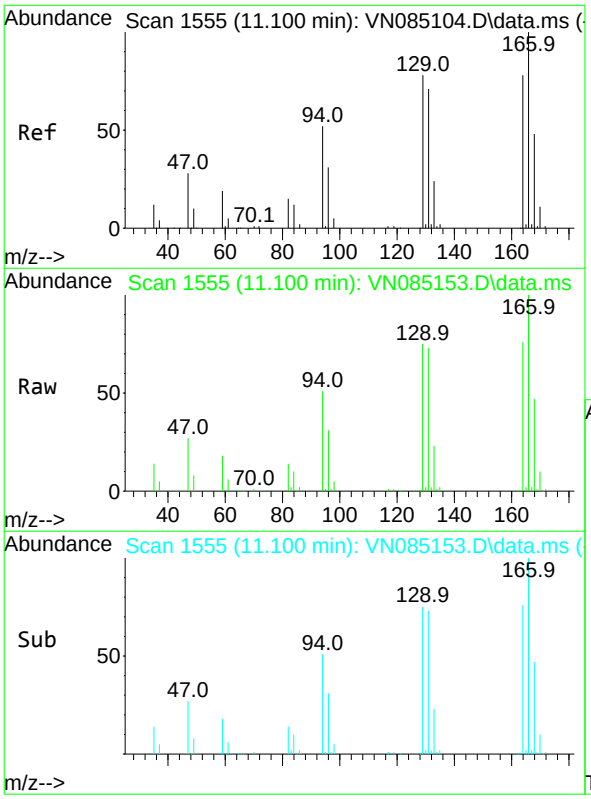
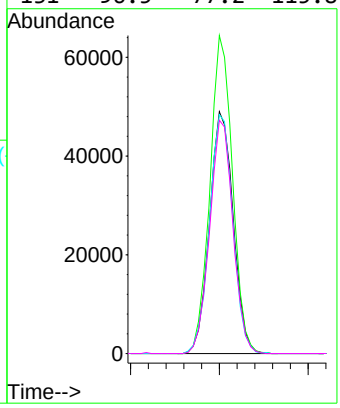
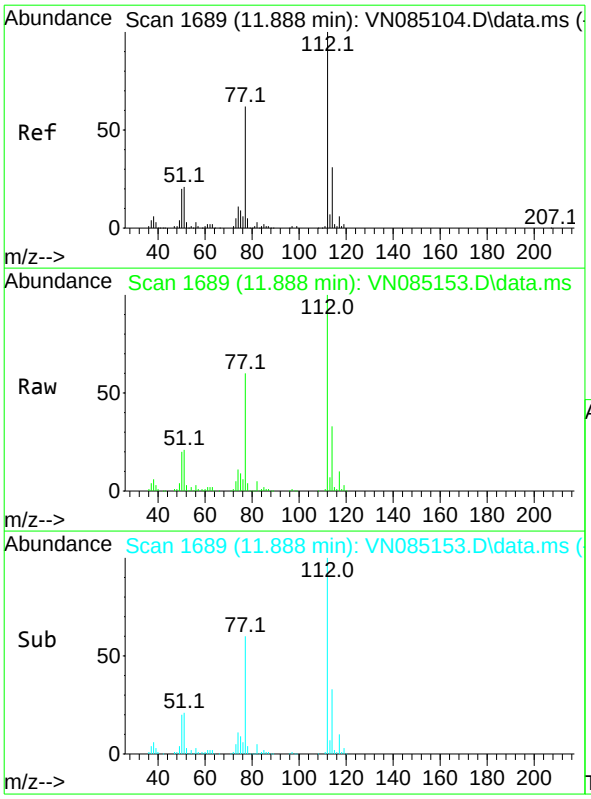


#64
Tetrachloroethene
Concen: 58.408 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:164 Resp: 90824

Ion	Ratio	Lower	Upper
164	100		
166	131.5	100.6	151.0
129	98.8	77.7	116.5
131	96.5	77.2	115.8

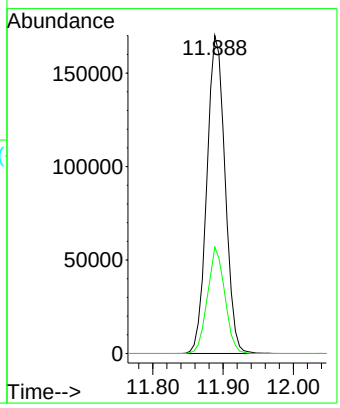




#65
Chlorobenzene
Concen: 58.266 ug/l
RT: 11.888 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:112 Resp: 304940

Ion	Ratio	Lower	Upper
112	100		
114	33.4	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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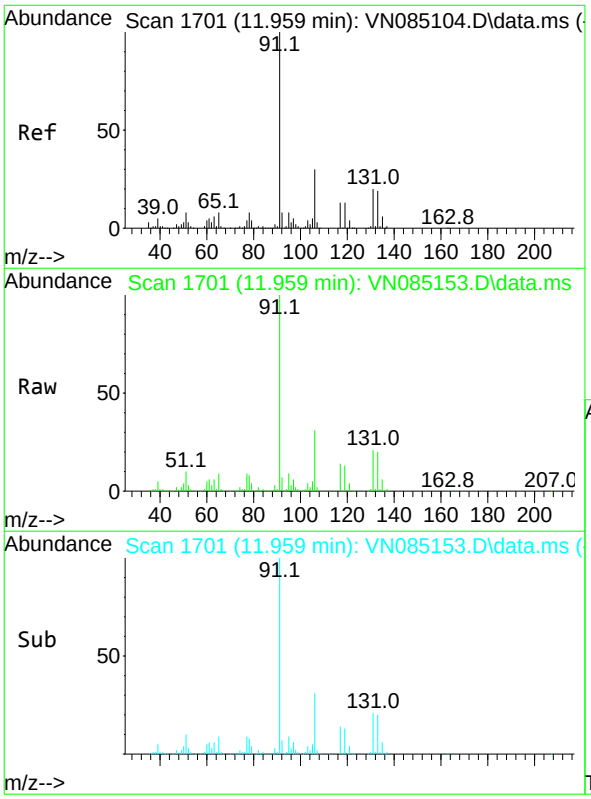
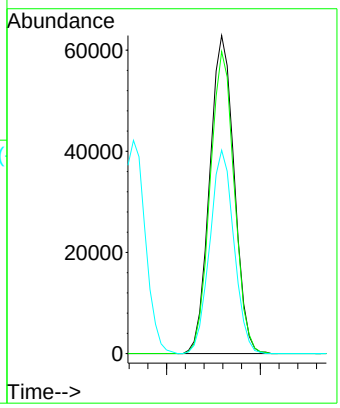
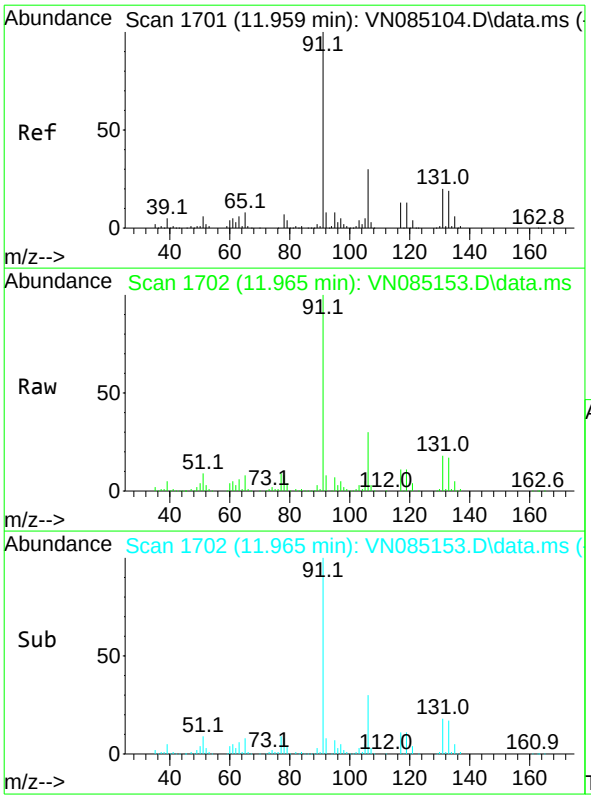


#66
1,1,1,2-Tetrachloroethane
Concen: 61.967 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:131 Resp: 114186

Ion	Ratio	Lower	Upper
131	100		
133	93.5	47.8	143.4
119	62.9	32.1	96.3

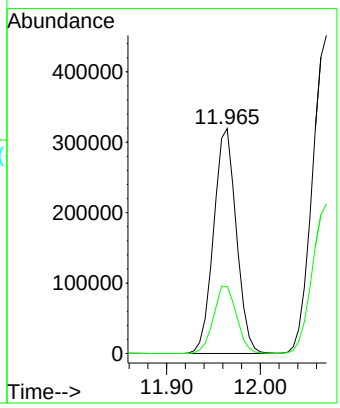




#67
Ethyl Benzene
Concen: 63.337 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 91 Resp: 537789

Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.7	37.1



Instrument :
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ClientSampleId :
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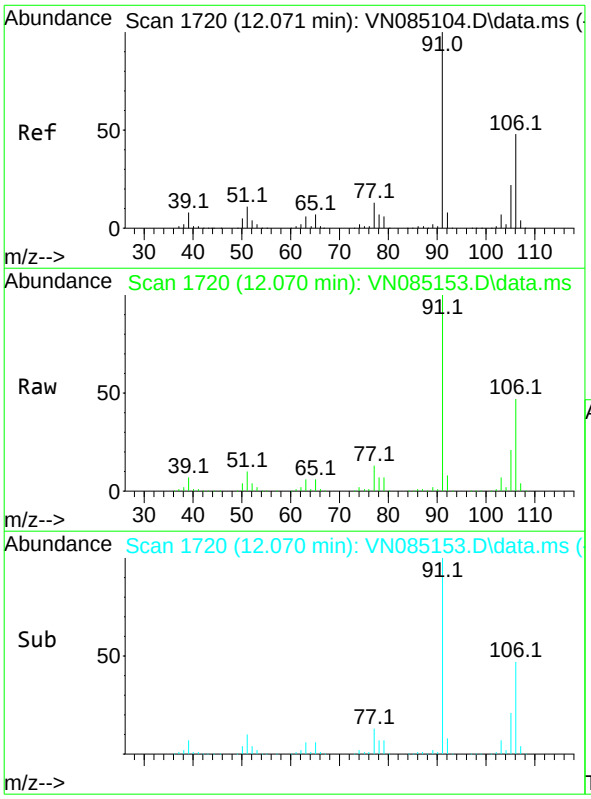
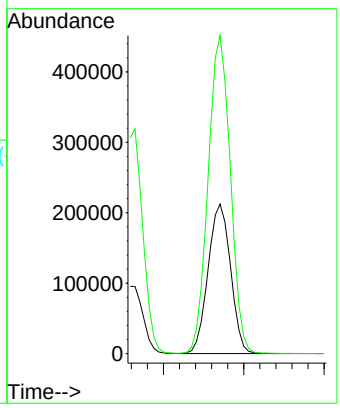
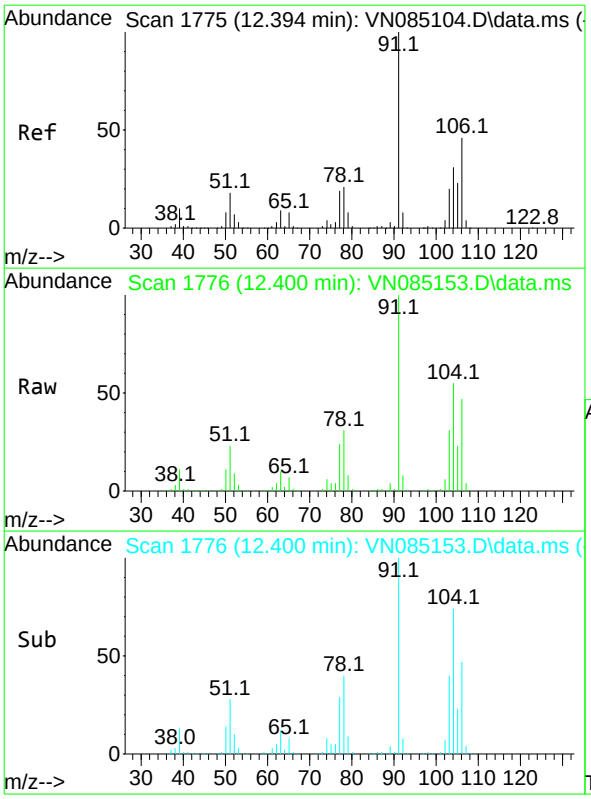


#68
m/p-Xylenes
Concen: 127.766 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:106 Resp: 413021

Ion	Ratio	Lower	Upper
106	100		
91	210.4	168.0	252.0

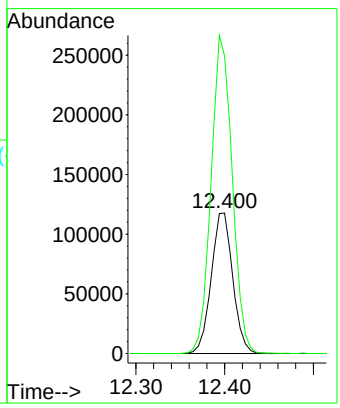




#69
o-Xylene
Concen: 64.428 ug/l
RT: 12.400 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:106 Resp: 198117

Ion	Ratio	Lower	Upper
106	100		
91	222.5	110.7	331.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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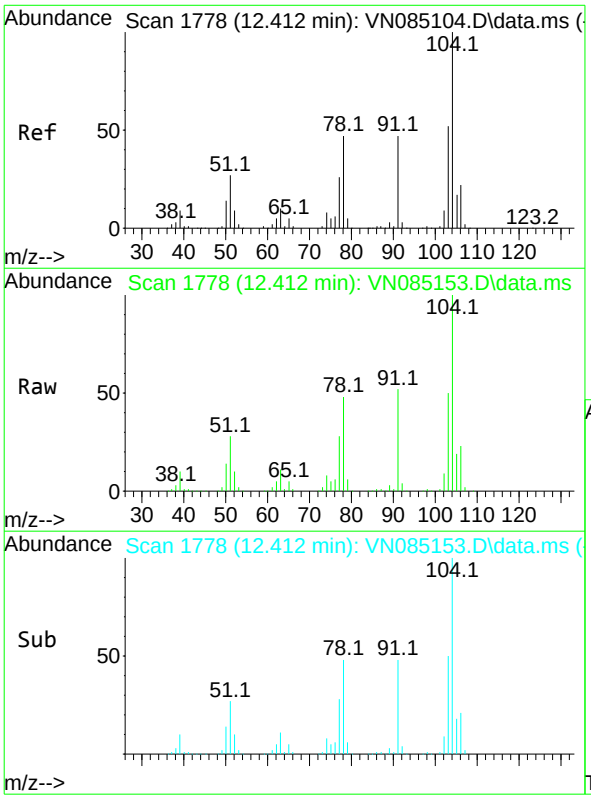
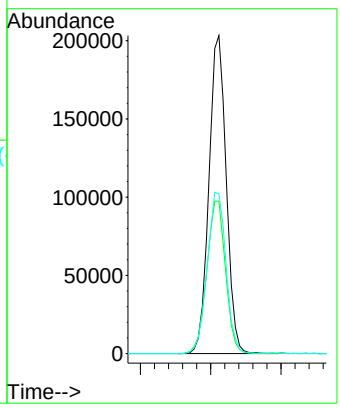
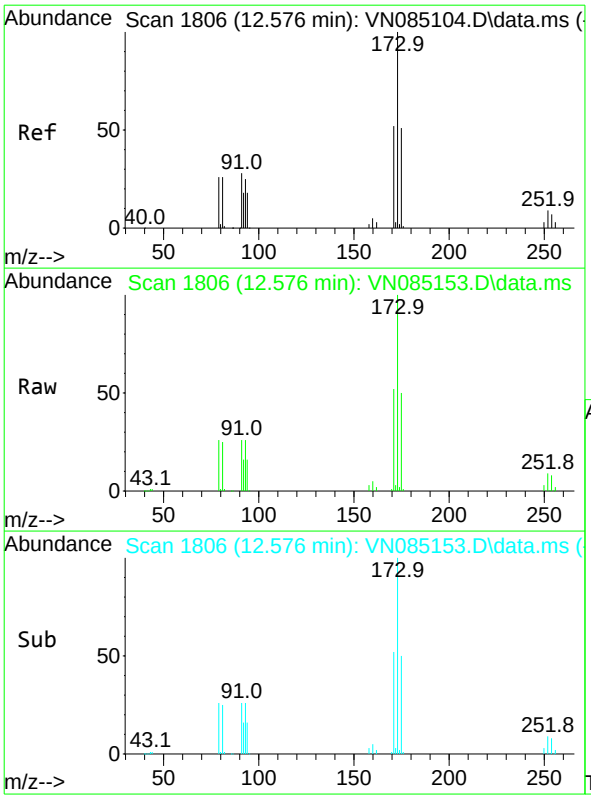


#70
Styrene
Concen: 67.883 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:104 Resp: 347132

Ion	Ratio	Lower	Upper
104	100		
78	52.1	42.3	63.5
103	54.9	44.2	66.2

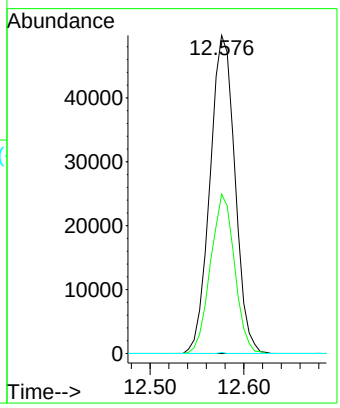




#71
Bromoform
Concen: 67.320 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:173 Resp: 92080

Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.8	71.2
254	0.1	0.0	0.0#



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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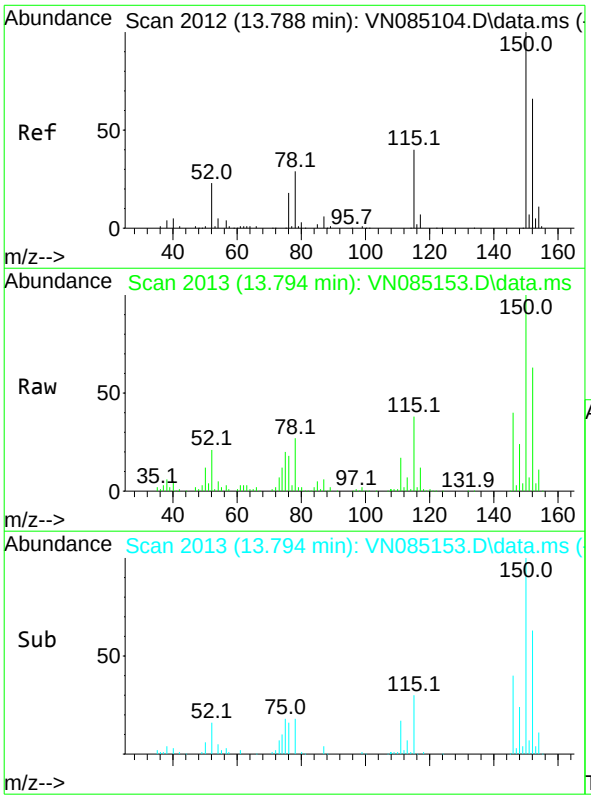
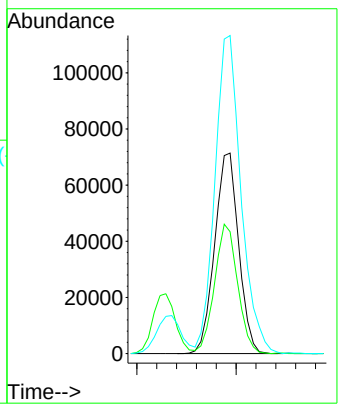
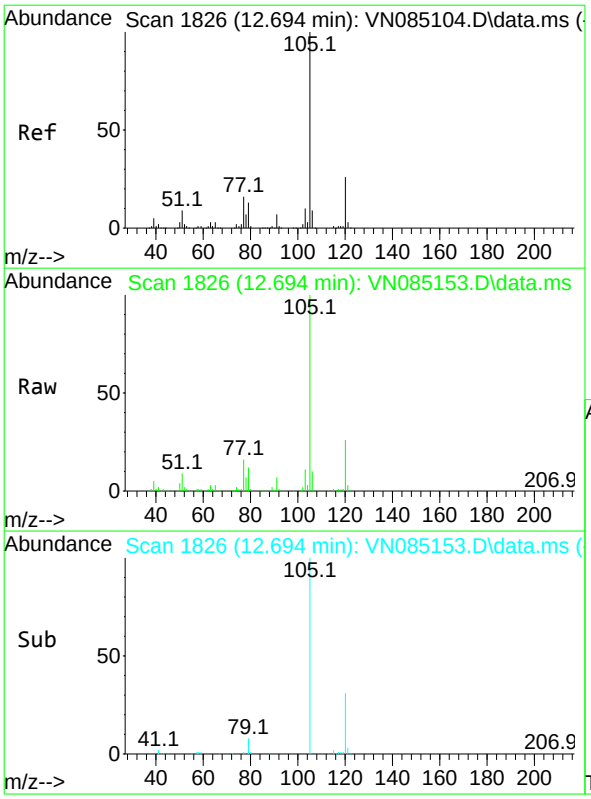


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:152 Resp: 119527

Ion	Ratio	Lower	Upper
152	100		
115	62.1	31.7	95.1
150	172.2	0.0	351.4

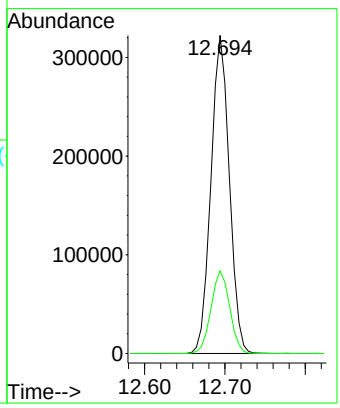




#73
Isopropylbenzene
Concen: 60.785 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:105 Resp: 512549

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.0	39.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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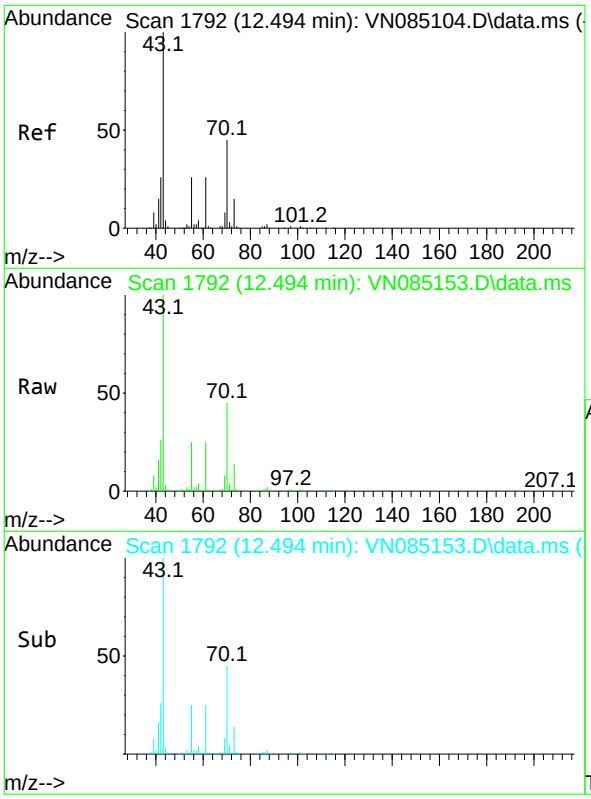
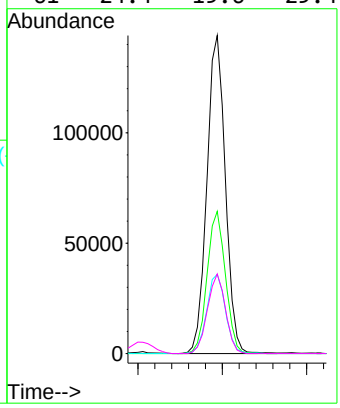
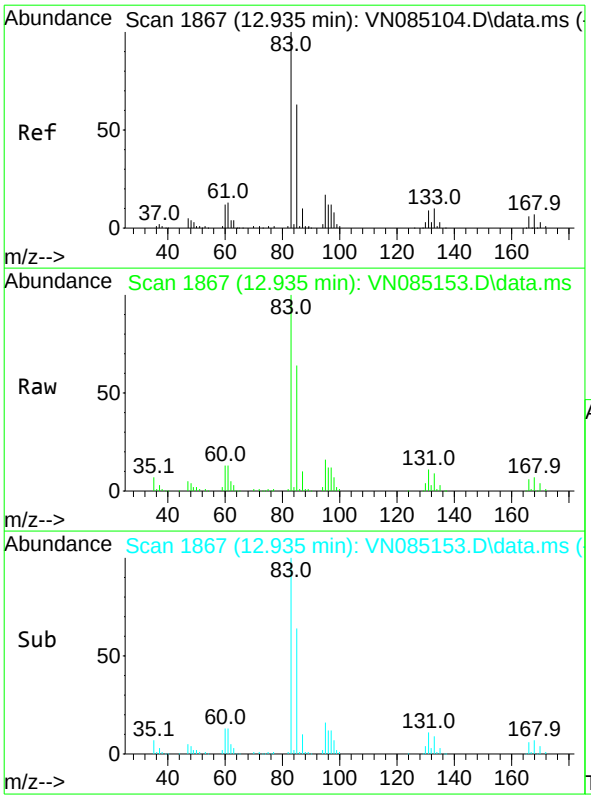


#74
N-amyl acetate
Concen: 63.094 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 43 Resp: 219231

Ion	Ratio	Lower	Upper
43	100		
70	44.4	34.6	51.8
55	25.4	20.5	30.7
61	24.4	19.6	29.4

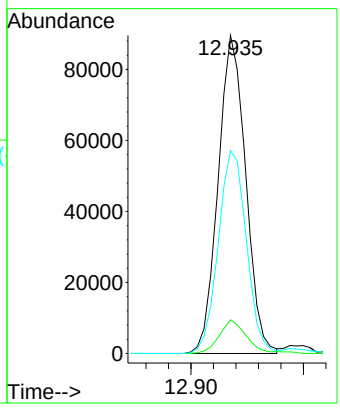




#75
1,1,2,2-Tetrachloroethane
Concen: 52.916 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 83 Resp: 152365

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.4
85	65.1	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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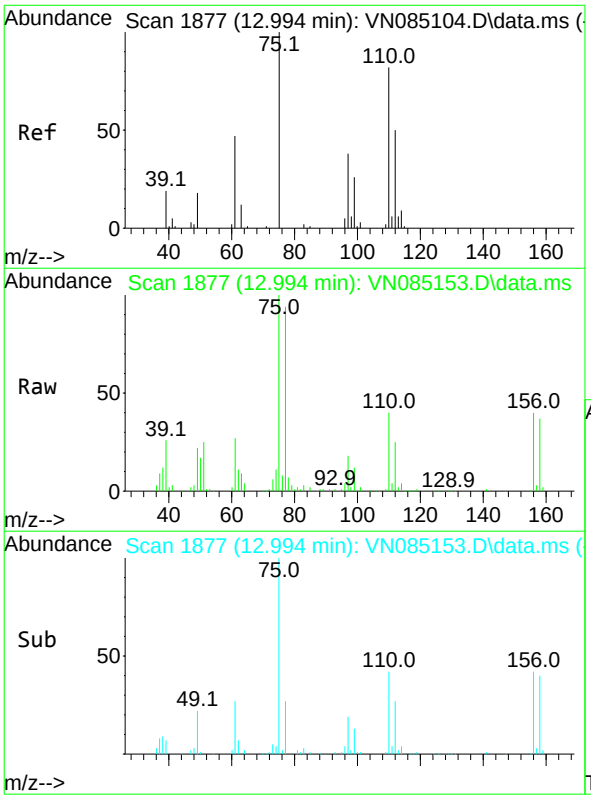
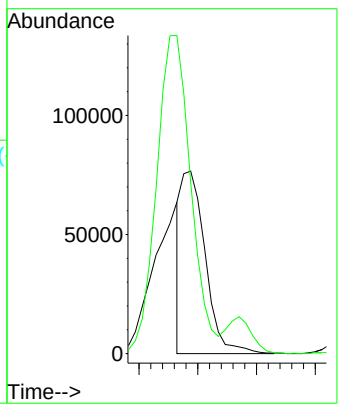
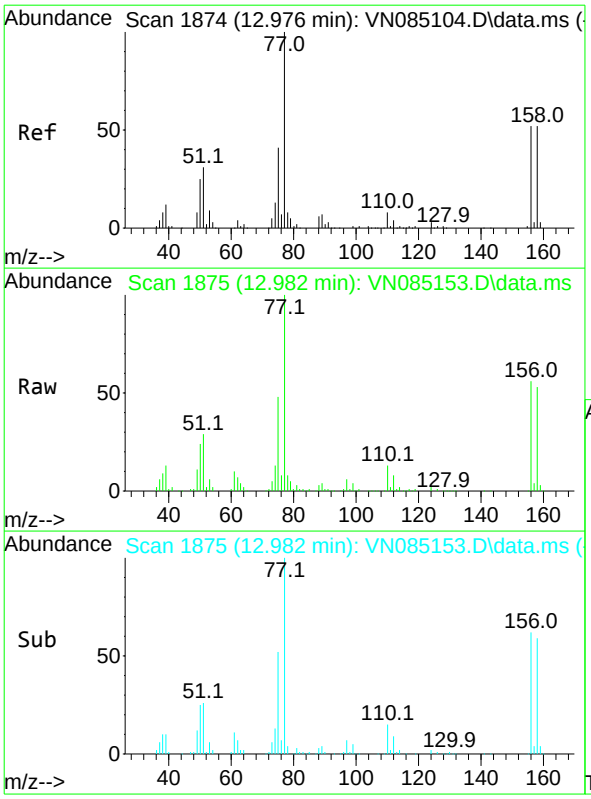


#76
1,2,3-Trichloropropane
Concen: 49.775 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 75 Resp: 108217

Ion	Ratio	Lower	Upper
75	100		
77	250.2	109.1	327.4

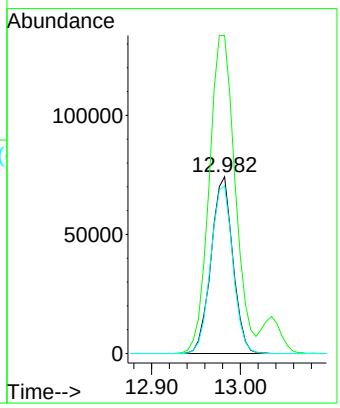




#77
Bromobenzene
Concen: 55.620 ug/l
RT: 12.982 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:156 Resp: 126211

Ion	Ratio	Lower	Upper
156	100		
77	214.5	107.2	321.6
158	96.7	48.5	145.6



Instrument :
MSVOA_N
ClientSampleId :
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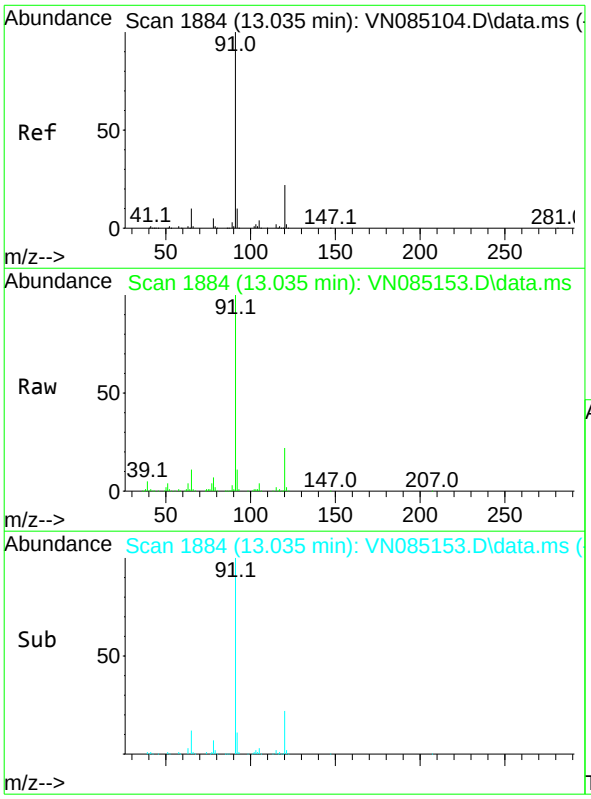
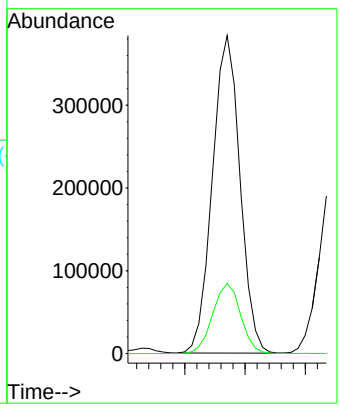
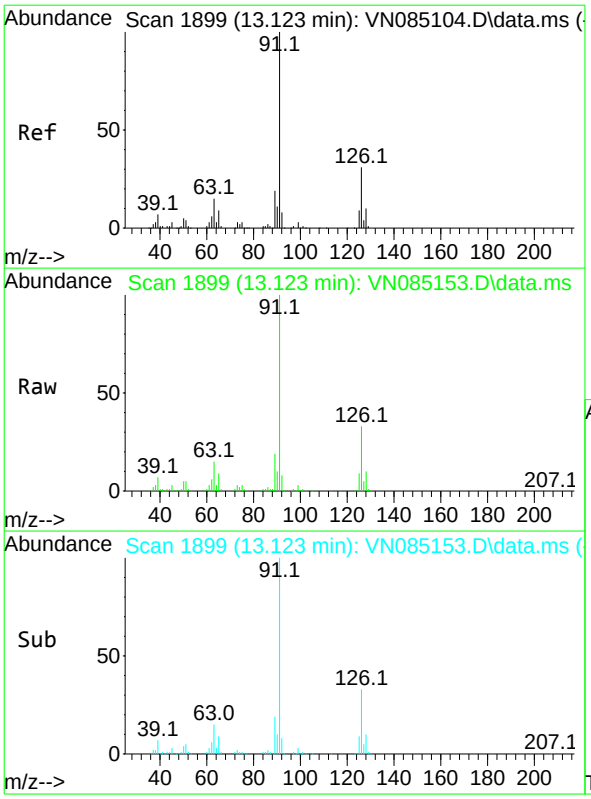


#78
n-propylbenzene
Concen: 62.752 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 91 Resp: 610311

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.9

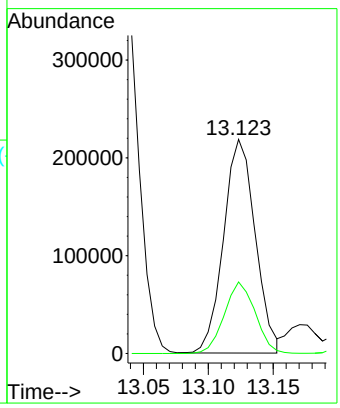




#79
2-Chlorotoluene
Concen: 57.227 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 91 Resp: 371546

Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.1	48.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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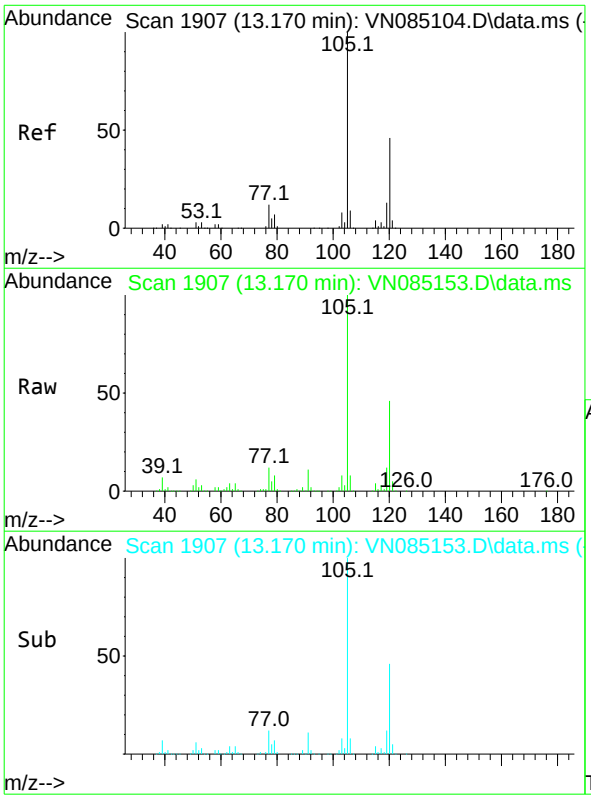
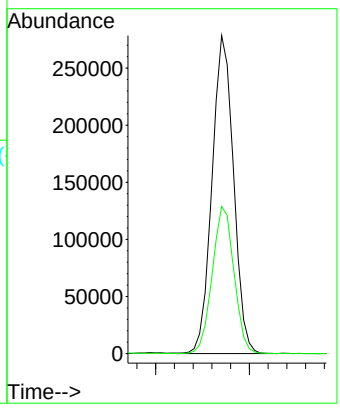
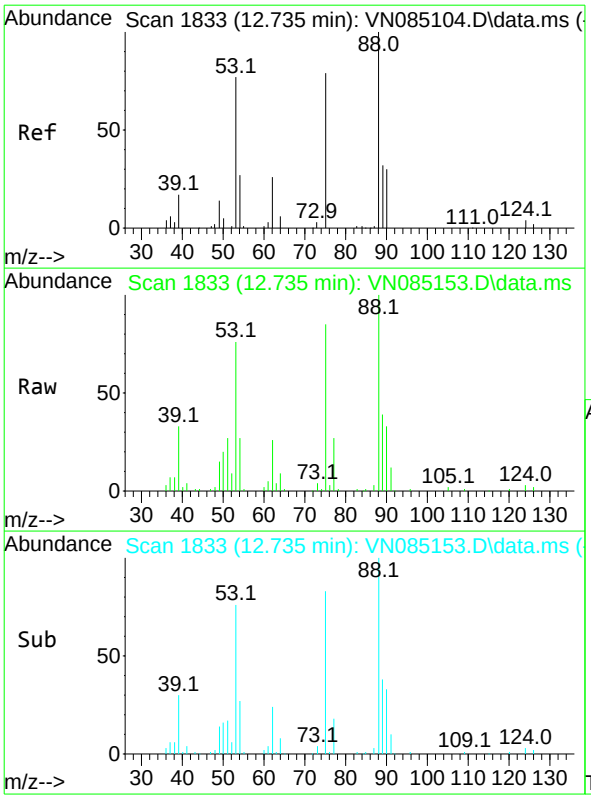


#80
1,3,5-Trimethylbenzene
Concen: 62.790 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:105 Resp: 444282

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.6	71.0





#81
trans-1,4-Dichloro-2-butene
Concen: 60.338 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 75 Resp: 59423

Ion	Ratio	Lower	Upper
75	100		
53	92.2	78.2	117.4
89	46.0	37.9	56.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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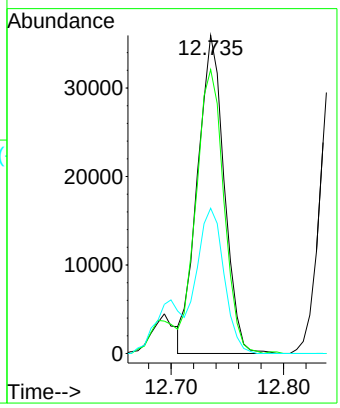
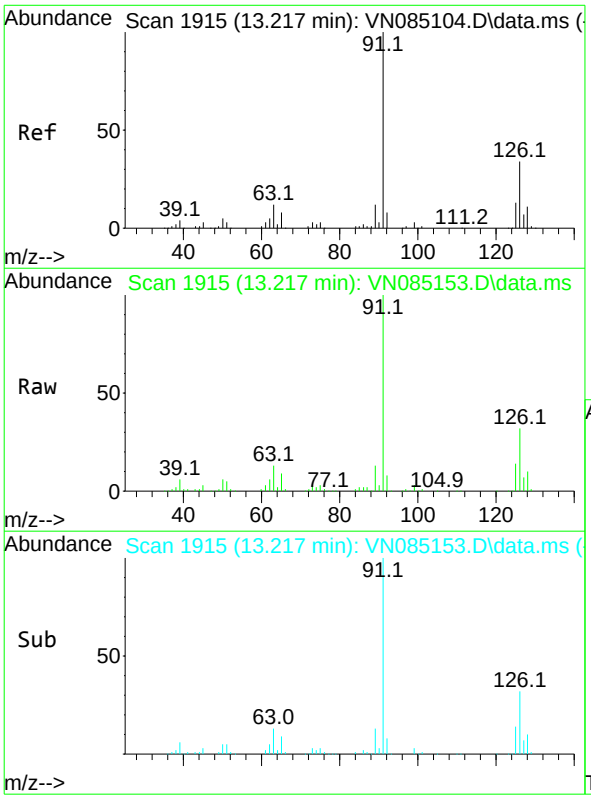
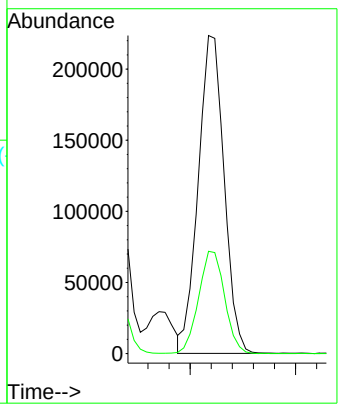


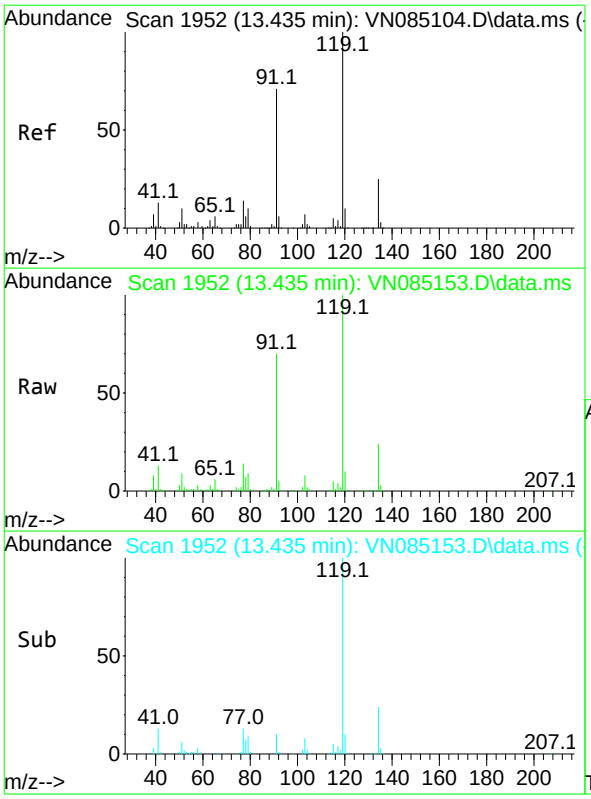


#82
4-Chlorotoluene
Concen: 56.362 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 91 Resp: 380936

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.1	48.3

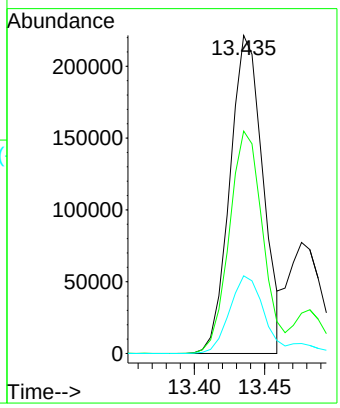




#83
tert-Butylbenzene
Concen: 59.272 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:119 Resp: 360851

Ion	Ratio	Lower	Upper
119	100		
91	71.3	35.1	105.5
134	27.7	12.1	36.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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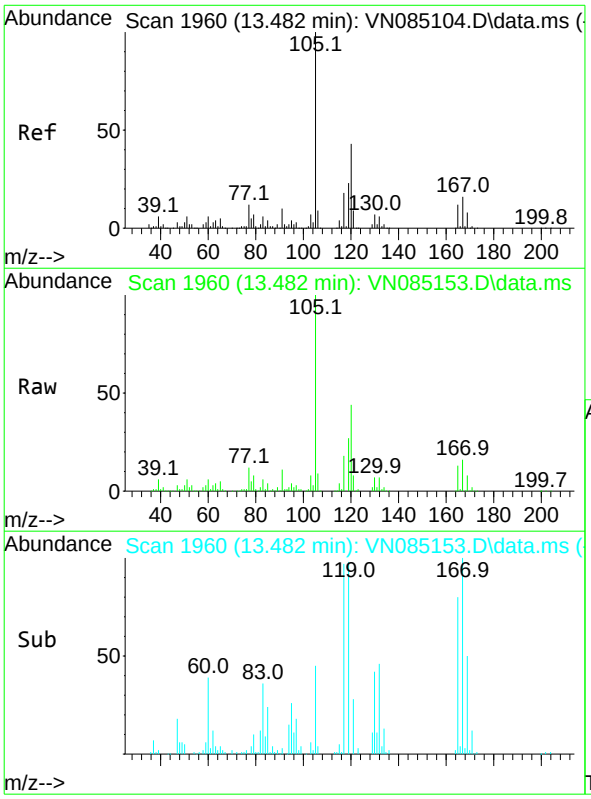
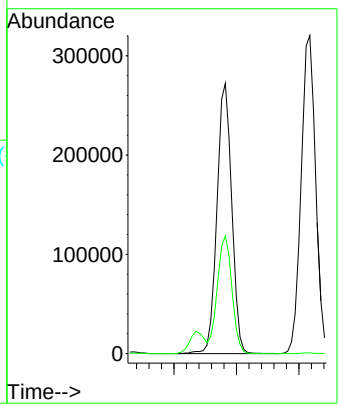
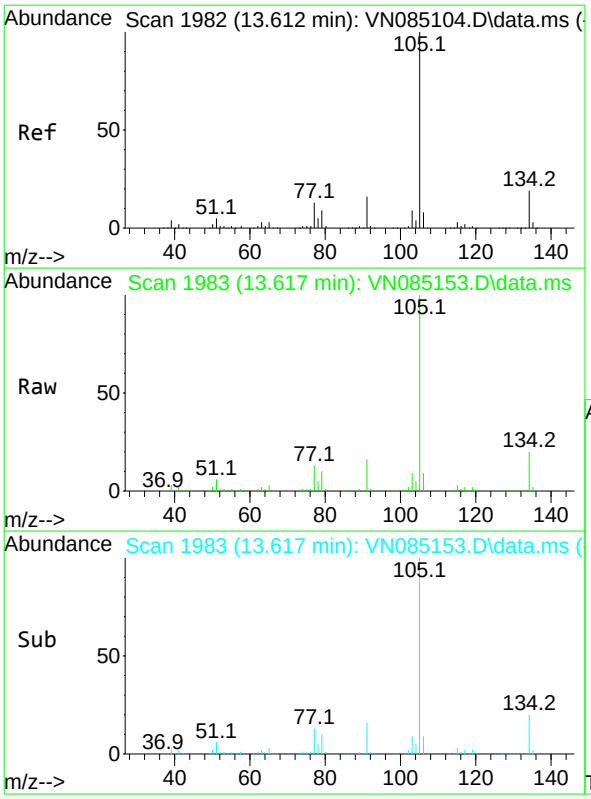


#84
1,2,4-Trimethylbenzene
Concen: 61.328 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:105 Resp: 446674

Ion	Ratio	Lower	Upper
105	100		
120	43.2	21.8	65.4

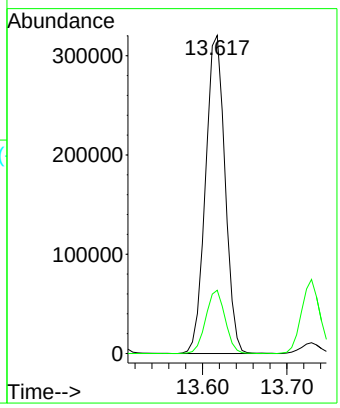




#85
sec-Butylbenzene
Concen: 62.691 ug/l
RT: 13.617 min Scan# 19
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:105 Resp: 515573

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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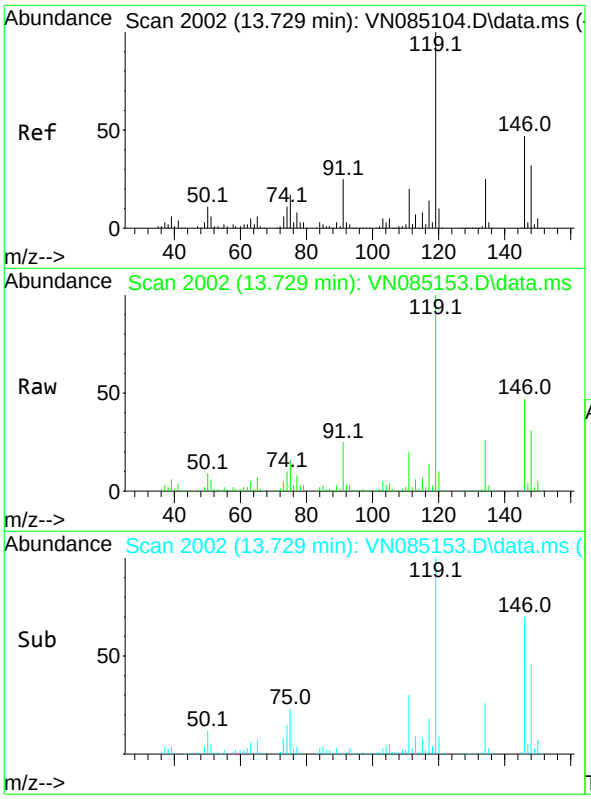
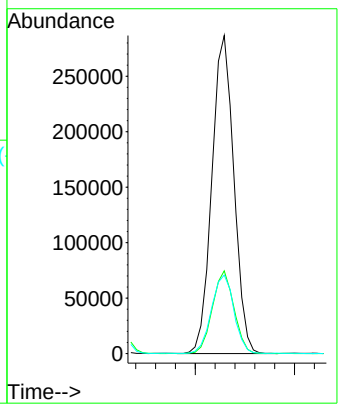
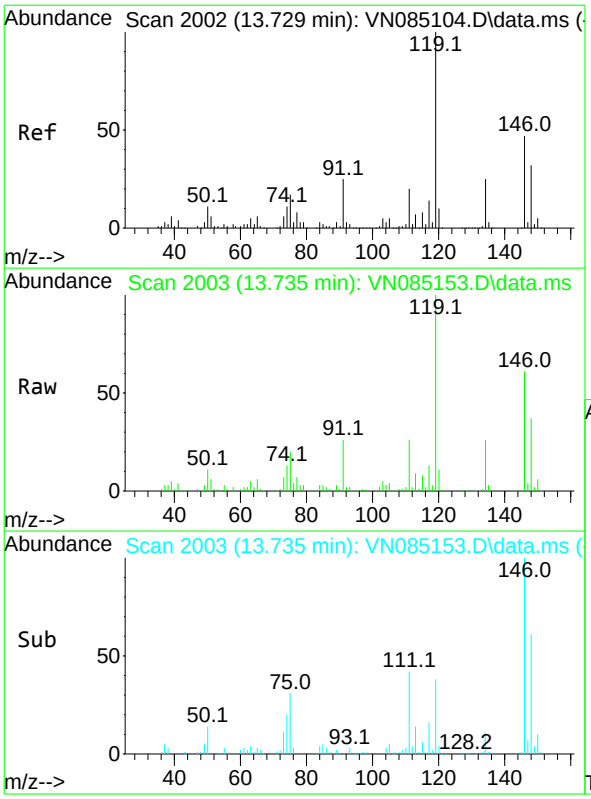


#86
p-Isopropyltoluene
Concen: 65.018 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:119 Resp: 441406

Ion	Ratio	Lower	Upper
119	100		
134	25.5	13.0	39.0
91	25.1	12.8	38.4

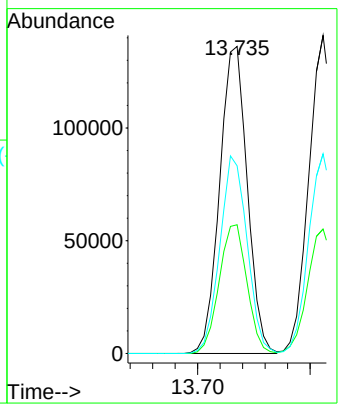




#87
1,3-Dichlorobenzene
Concen: 51.875 ug/l
RT: 13.735 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:146 Resp: 232182

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.6	65.0
148	63.6	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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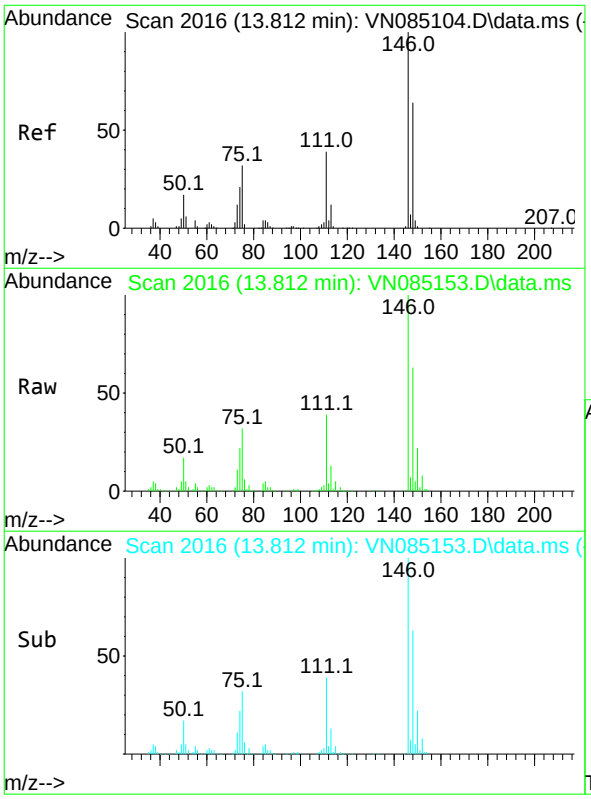
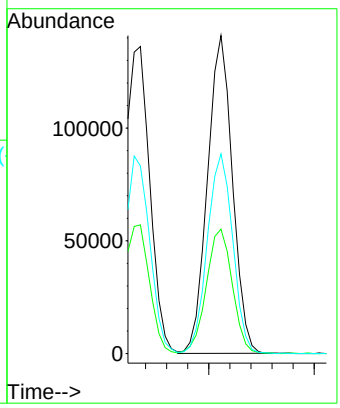
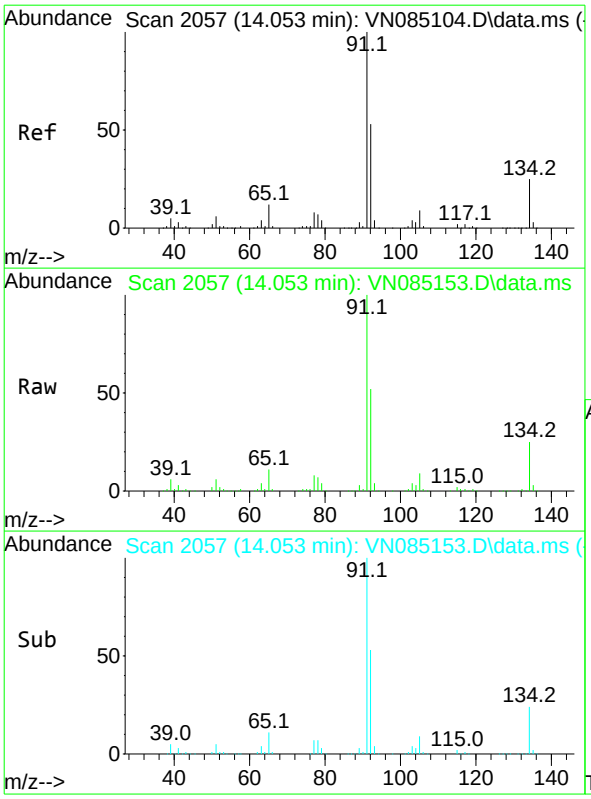


#88
1,4-Dichlorobenzene
Concen: 50.815 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:146 Resp: 232095

Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.9	62.8
148	64.0	31.3	93.9

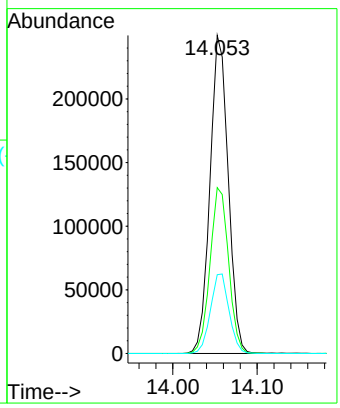




#89
n-Butylbenzene
Concen: 59.518 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 91 Resp: 375765

Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.8	80.3
134	25.5	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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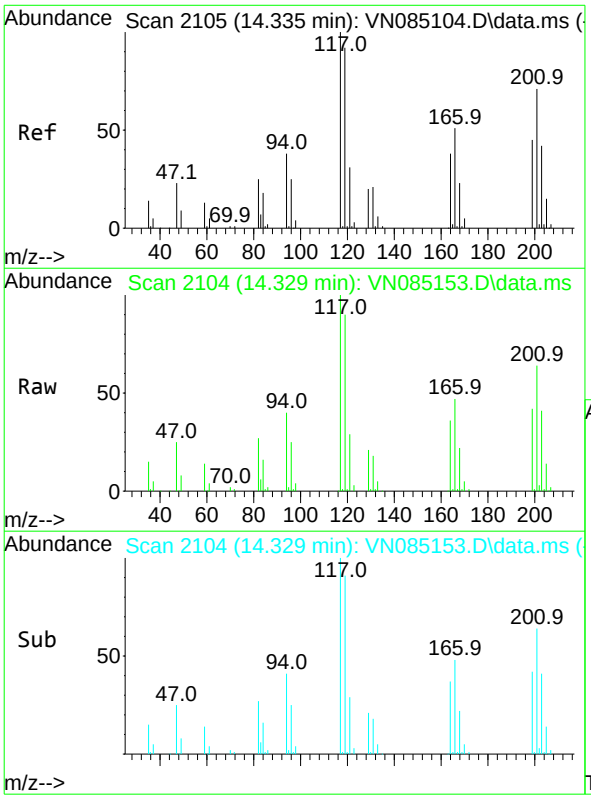
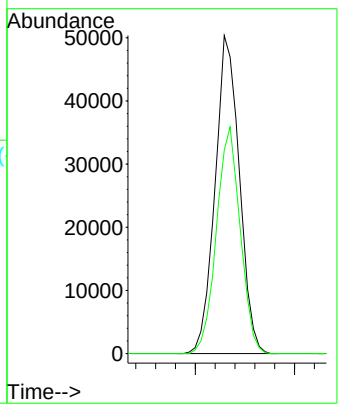
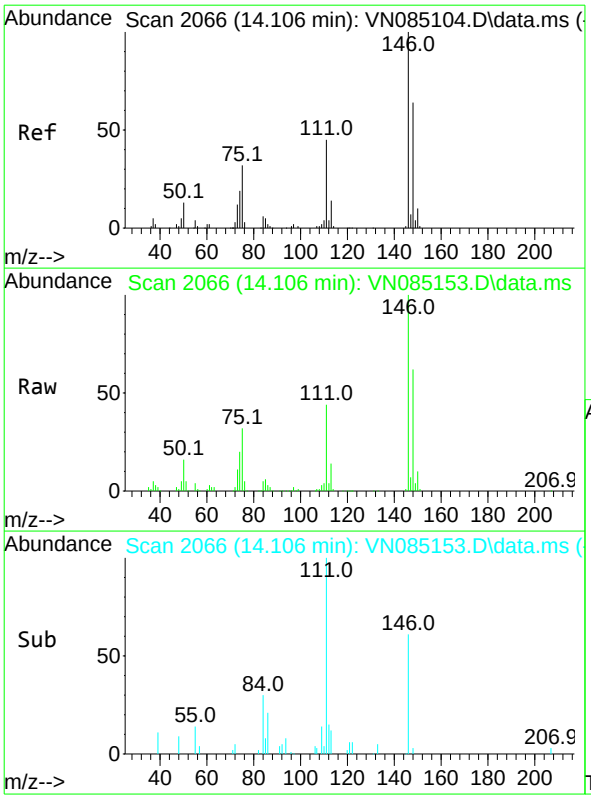


#90
Hexachloroethane
Concen: 57.956 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:117 Resp: 85765

Ion	Ratio	Lower	Upper
117	100		
201	69.6	35.2	105.6

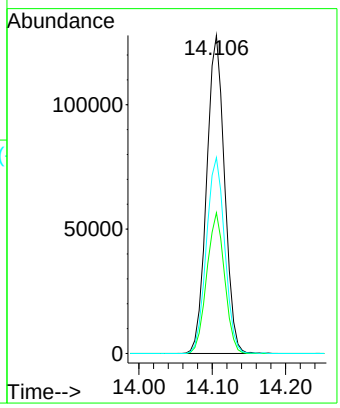




#91
1,2-Dichlorobenzene
Concen: 50.441 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:146 Resp: 216336

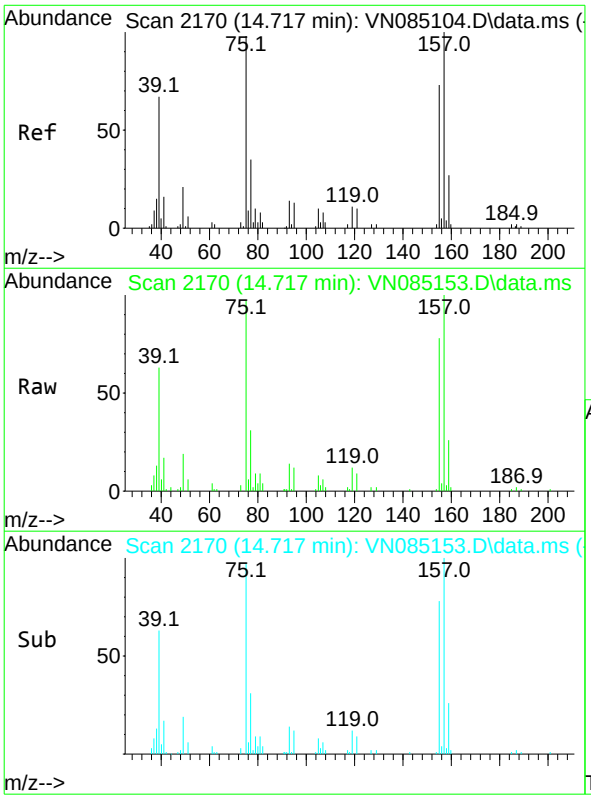
Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.9	65.8
148	63.2	31.1	93.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

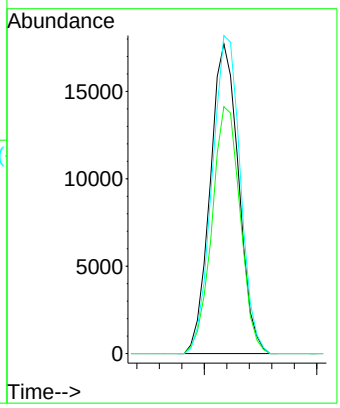
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

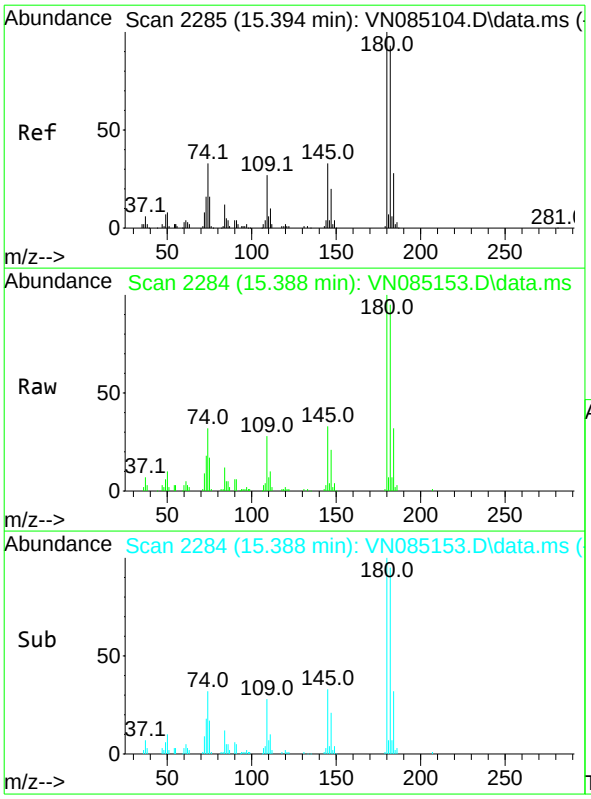


#92
1,2-Dibromo-3-Chloropropane
Concen: 55.854 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 75 Resp: 31099

Ion	Ratio	Lower	Upper
75	100		
155	79.1	38.9	116.7
157	101.8	48.3	144.9





#93
1,2,4-Trichlorobenzene
Concen: 48.409 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

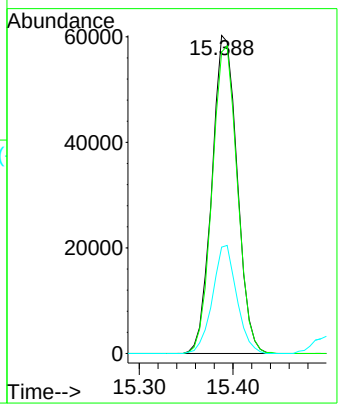
Tgt Ion:180 Resp: 112793

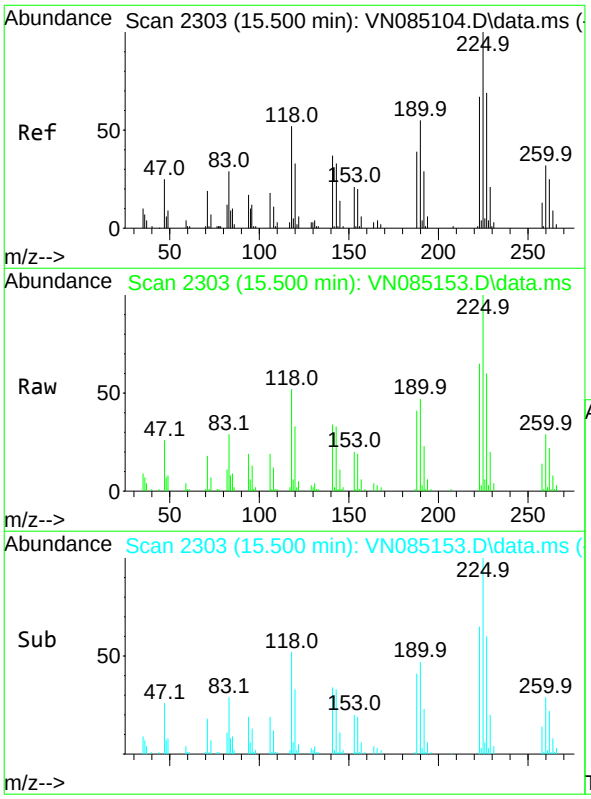
Ion	Ratio	Lower	Upper
180	100		
182	96.2	46.9	140.8
145	32.6	16.3	48.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

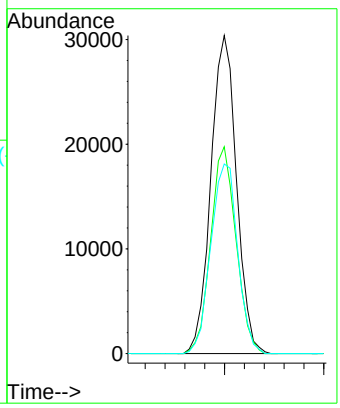


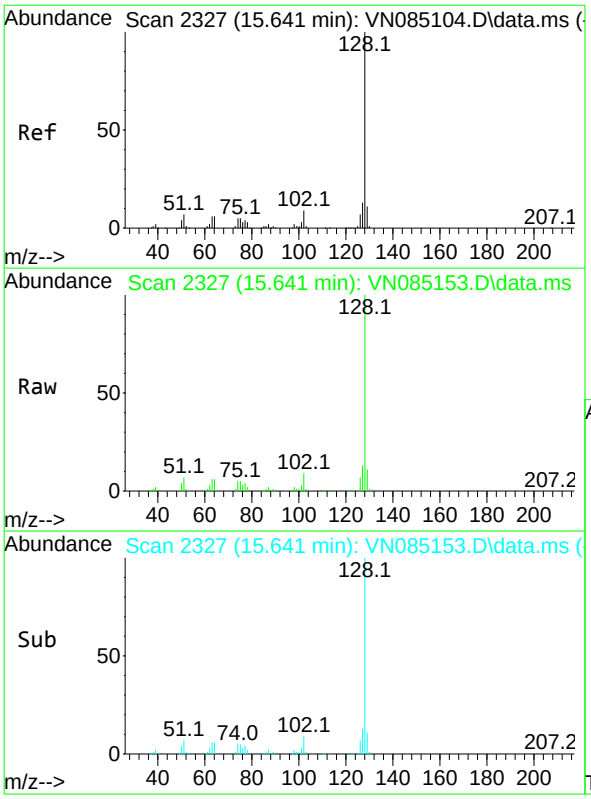


#94
Hexachlorobutadiene
Concen: 50.659 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:225 Resp: 54475

Ion	Ratio	Lower	Upper
225	100		
223	64.3	30.9	92.8
227	62.5	31.5	94.5

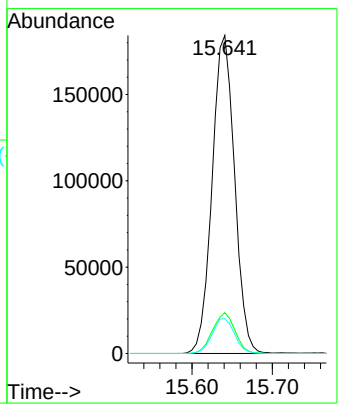




#95
Naphthalene
Concen: 53.899 ug/l
RT: 15.641 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:128 Resp: 357684

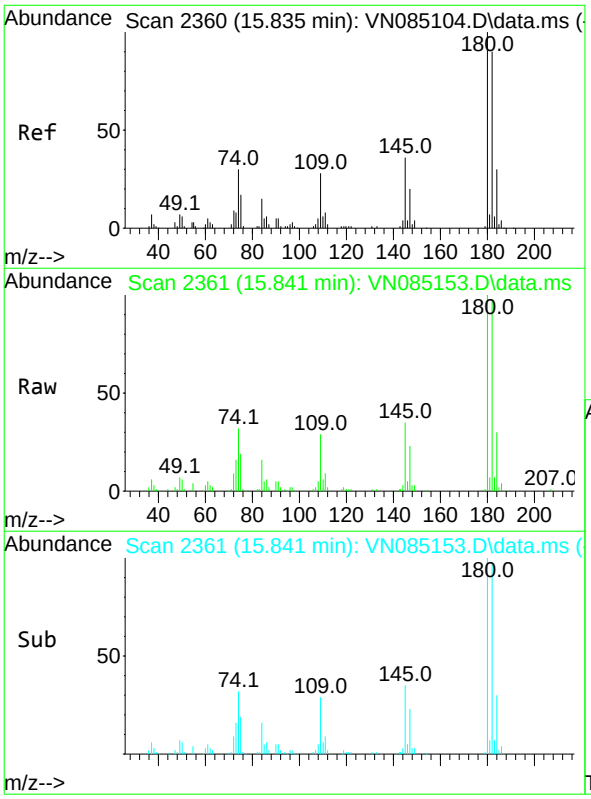
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	11.0	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

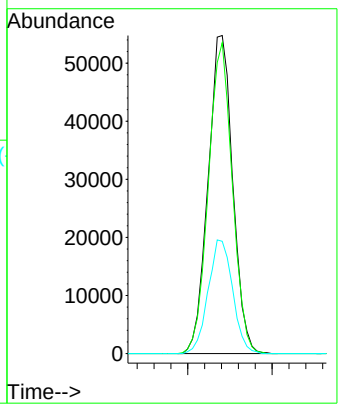
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#96
1,2,3-Trichlorobenzene
Concen: 49.972 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:180 Resp: 111098

Ion	Ratio	Lower	Upper
180	100		
182	94.8	46.4	139.2
145	35.5	17.3	52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085153.D
Acq On : 09 Dec 2024 16:14
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 05:02:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	100	0.00
2	T	Dichlorodifluoromethane	0.565	0.502	11.2	89	0.00
3	P	Chloromethane	0.656	0.559	14.8	94	0.00
4	C	Vinyl Chloride	0.589	0.577	2.0#	100	0.00
5	T	Bromomethane	0.330	0.383	-16.1	123	0.04
6	T	Chloroethane	0.397	0.382	3.8	101	0.04
7	T	Trichlorofluoromethane	1.002	1.070	-6.8	110	0.03
8	T	Diethyl Ether	0.341	0.384	-12.6	110	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.569	0.625	-9.8	113	0.01
10	T	Methyl Iodide	0.753	0.725	3.7	97	0.01
11	T	Tert butyl alcohol	0.095	0.125	-31.6#	138	-0.02
12	CM	1,1-Dichloroethene	0.531	0.571	-7.5#	109	0.02
13	T	Acrolein	0.064	0.085	-32.8#	121	0.01
14	T	Allyl chloride	0.895	0.874	2.3	98	0.01
15	T	Acrylonitrile	0.269	0.324	-20.4	123	0.00
16	T	Acetone	0.207	0.308	-48.8#	151#	0.00
17	T	Carbon Disulfide	1.566	1.534	2.0	104	0.01
18	T	Methyl Acetate	0.804	0.793	1.4	121	0.00
19	T	Methyl tert-butyl Ether	1.734	2.034	-17.3	115	0.00
20	T	Methylene Chloride	0.633	0.672	-6.2	114	0.00
21	T	trans-1,2-Dichloroethene	0.558	0.603	-8.1	108	0.01
22	T	Diisopropyl ether	1.801	2.010	-11.6	112	0.00
23	T	Vinyl Acetate	1.242	1.518	-22.2	117	0.00
24	P	1,1-Dichloroethane	1.078	1.185	-9.9	113	0.01
25	T	2-Butanone	0.339	0.438	-29.2#	132	0.00
26	T	2,2-Dichloropropane	1.006	1.102	-9.5	111	0.01
27	T	cis-1,2-Dichloroethene	0.673	0.758	-12.6	115	0.01
28	T	Bromochloromethane	0.407	0.353	13.3	89	0.00
29	T	Tetrahydrofuran	0.211	0.274	-29.9#	128	0.00
30	C	Chloroform	1.146	1.269	-10.7#	115	0.00
31	T	Cyclohexane	0.949	0.956	-0.7	108	0.00
32	T	1,1,1-Trichloroethane	1.036	1.144	-10.4	113	0.00
33	S	1,2-Dichloroethane-d4	0.712	0.726	-2.0	103	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35	S	Dibromofluoromethane	0.337	0.362	-7.4	104	0.00
36	T	1,1-Dichloropropene	0.457	0.525	-14.9	113	0.00
37	T	Ethyl Acetate	0.415	0.521	-25.5#	126	0.00
38	T	Carbon Tetrachloride	0.527	0.629	-19.4	115	0.00
39	T	Methylcyclohexane	0.475	0.579	-21.9	112	0.00
40	TM	Benzene	1.444	1.610	-11.5	110	0.00
41	T	Methacrylonitrile	0.230	0.280	-21.7	119	0.00
42	TM	1,2-Dichloroethane	0.494	0.589	-19.2	120	0.00
43	T	Isopropyl Acetate	0.862	1.032	-19.7	134	0.00
44	TM	Trichloroethene	0.336	0.391	-16.4	117	0.00
45	C	1,2-Dichloropropane	0.356	0.408	-14.6#	114	0.00
46	T	Dibromomethane	0.247	0.295	-19.4	118	0.00
47	T	Bromodichloromethane	0.524	0.631	-20.4	118	0.00
48	T	Methyl methacrylate	0.321	0.435	-35.5#	129	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085153.D
Acq On : 09 Dec 2024 16:14
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 05:02:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.008	-33.3#	136	0.00
50	S	Toluene-d8	1.208	1.305	-8.0	102	0.00
51	T	4-Methyl-2-Pentanone	0.394	0.547	-38.8#	132	0.00
52	CM	Toluene	0.855	1.045	-22.2#	115	0.00
53	T	t-1,3-Dichloropropene	0.525	0.642	-22.3	114	0.00
54	T	cis-1,3-Dichloropropene	0.557	0.679	-21.9	115	0.00
55	T	1,1,2-Trichloroethane	0.319	0.392	-22.9	119	0.00
56	T	Ethyl methacrylate	0.465	0.656	-41.1#	124	0.00
57	T	1,3-Dichloropropane	0.561	0.670	-19.4	117	0.00
58	T	2-Chloroethyl Vinyl ether	0.228	0.257	-12.7	92	0.00
59	T	2-Hexanone	0.295	0.414	-40.3#	130	0.00
60	T	Dibromochloromethane	0.389	0.486	-24.9	123	0.00
61	T	1,2-Dibromoethane	0.330	0.410	-24.2	122	0.00
62	S	4-Bromofluorobenzene	0.452	0.506	-11.9	106	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
64	T	Tetrachloroethene	0.337	0.394	-16.9	119	0.00
65	PM	Chlorobenzene	1.134	1.321	-16.5	121	0.00
66	T	1,1,1,2-Tetrachloroethane	0.399	0.495	-24.1	124	0.00
67	C	Ethyl Benzene	1.840	2.330	-26.6#	119	0.00
68	T	m/p-Xylenes	0.700	0.895	-27.9#	121	0.00
69	T	o-Xylene	0.666	0.859	-29.0#	121	0.00
70	T	Styrene	1.108	1.504	-35.7#	125	0.00
71	P	Bromoform	0.296	0.399	-34.8#	128	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
73	T	Isopropylbenzene	3.527	4.288	-21.6	123	0.00
74	T	N-amyl acetate	1.454	1.834	-26.1#	123	0.00
75	P	1,1,2,2-Tetrachloroethane	1.204	1.275	-5.9	121	0.00
76	T	1,2,3-Trichloropropane	0.909	0.905	0.4	105	0.00
77	T	Bromobenzene	0.949	1.056	-11.3	120	0.00
78	T	n-propylbenzene	4.068	5.106	-25.5#	126	0.00
79	T	2-Chlorotoluene	2.716	3.108	-14.4	122	0.00
80	T	1,3,5-Trimethylbenzene	2.960	3.717	-25.6#	123	0.00
81	T	trans-1,4-Dichloro-2-butene	0.412	0.497	-20.6	127	0.00
82	T	4-Chlorotoluene	2.827	3.187	-12.7	120	0.00
83	T	tert-Butylbenzene	2.547	3.019	-18.5	120	0.00
84	T	1,2,4-Trimethylbenzene	3.047	3.737	-22.6	120	0.00
85	T	sec-Butylbenzene	3.440	4.313	-25.4#	123	0.00
86	T	p-Isopropyltoluene	2.840	3.693	-30.0#	125	0.00
87	T	1,3-Dichlorobenzene	1.872	1.943	-3.8	118	0.00
88	T	1,4-Dichlorobenzene	1.911	1.942	-1.6	115	0.00
89	T	n-Butylbenzene	2.641	3.144	-19.0	123	0.00
90	T	Hexachloroethane	0.619	0.718	-16.0	124	0.00
91	T	1,2-Dichlorobenzene	1.794	1.810	-0.9	112	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.260	-11.6	124	0.00
93	T	1,2,4-Trichlorobenzene	0.975	0.944	3.2	109	0.00
94	T	Hexachlorobutadiene	0.450	0.456	-1.3	118	0.00
95	T	Naphthalene	2.776	2.992	-7.8	110	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085153.D
Acq On : 09 Dec 2024 16:14
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 05:02:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.930	0.929	0.1	108	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085153.D
Acq On : 09 Dec 2024 16:14
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 05:02:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	100	0.00
2	T	Dichlorodifluoromethane	50.000	44.359	11.3	89	0.00
3	P	Chloromethane	50.000	42.592	14.8	94	0.00
4	C	Vinyl Chloride	50.000	48.992	2.0#	100	0.00
5	T	Bromomethane	50.000	57.945	-15.9	123	0.04
6	T	Chloroethane	50.000	48.092	3.8	101	0.04
7	T	Trichlorofluoromethane	50.000	53.383	-6.8	110	0.03
8	T	Diethyl Ether	50.000	56.265	-12.5	110	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	54.976	-10.0	113	0.01
10	T	Methyl Iodide	50.000	48.159	3.7	97	0.01
11	T	Tert butyl alcohol	250.000	328.103	-31.2#	138	-0.02
12	CM	1,1-Dichloroethene	50.000	53.819	-7.6#	109	0.02
13	T	Acrolein	250.000	334.634	-33.9#	121	0.01
14	T	Allyl chloride	50.000	48.822	2.4	98	0.01
15	T	Acrylonitrile	250.000	300.877	-20.4	123	0.00
16	T	Acetone	250.000	370.827	-48.3#	151	0.00
17	T	Carbon Disulfide	50.000	48.964	2.1	104	0.01
18	T	Methyl Acetate	50.000	60.073	-20.1	121	0.00
19	T	Methyl tert-butyl Ether	50.000	58.641	-17.3	115	0.00
20	T	Methylene Chloride	50.000	53.113	-6.2	114	0.00
21	T	trans-1,2-Dichloroethene	50.000	54.029	-8.1	108	0.01
22	T	Diisopropyl ether	50.000	55.815	-11.6	112	0.00
23	T	Vinyl Acetate	250.000	305.508	-22.2	117	0.00
24	P	1,1-Dichloroethane	50.000	54.999	-10.0	113	0.01
25	T	2-Butanone	250.000	322.655	-29.1#	132	0.00
26	T	2,2-Dichloropropane	50.000	54.775	-9.5	111	0.01
27	T	cis-1,2-Dichloroethene	50.000	56.300	-12.6	115	0.01
28	T	Bromochloromethane	50.000	43.360	13.3	89	0.00
29	T	Tetrahydrofuran	250.000	325.304	-30.1#	128	0.00
30	C	Chloroform	50.000	55.353	-10.7#	115	0.00
31	T	Cyclohexane	50.000	50.369	-0.7	108	0.00
32	T	1,1,1-Trichloroethane	50.000	55.230	-10.5	113	0.00
33	S	1,2-Dichloroethane-d4	50.000	51.000	-2.0	103	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35	S	Dibromofluoromethane	50.000	53.613	-7.2	104	0.00
36	T	1,1-Dichloropropene	50.000	57.518	-15.0	113	0.00
37	T	Ethyl Acetate	50.000	62.778	-25.6#	126	0.00
38	T	Carbon Tetrachloride	50.000	59.696	-19.4	115	0.00
39	T	Methylcyclohexane	50.000	60.980	-22.0	112	0.00
40	TM	Benzene	50.000	55.734	-11.5	110	0.00
41	T	Methacrylonitrile	50.000	60.938	-21.9	119	0.00
42	TM	1,2-Dichloroethane	50.000	59.637	-19.3	120	0.00
43	T	Isopropyl Acetate	50.000	59.842	-19.7	134	0.00
44	TM	Trichloroethene	50.000	58.195	-16.4	117	0.00
45	C	1,2-Dichloropropane	50.000	57.347	-14.7#	114	0.00
46	T	Dibromomethane	50.000	59.757	-19.5	118	0.00
47	T	Bromodichloromethane	50.000	60.258	-20.5	118	0.00
48	T	Methyl methacrylate	50.000	67.720	-35.4#	129	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085153.D
Acq On : 09 Dec 2024 16:14
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 05:02:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1457.126	-45.7#	136	0.00
50	S	Toluene-d8	50.000	53.987	-8.0	102	0.00
51	T	4-Methyl-2-Pentanone	250.000	347.299	-38.9#	132	0.00
52	CM	Toluene	50.000	61.119	-22.2#	115	0.00
53	T	t-1,3-Dichloropropene	50.000	61.118	-22.2	114	0.00
54	T	cis-1,3-Dichloropropene	50.000	60.963	-21.9	115	0.00
55	T	1,1,2-Trichloroethane	50.000	61.496	-23.0	119	0.00
56	T	Ethyl methacrylate	50.000	70.497	-41.0#	124	0.00
57	T	1,3-Dichloropropane	50.000	59.747	-19.5	117	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	280.990	-12.4	92	0.00
59	T	2-Hexanone	250.000	351.625	-40.6#	130	0.00
60	T	Dibromochloromethane	50.000	62.448	-24.9	123	0.00
61	T	1,2-Dibromoethane	50.000	62.224	-24.4	122	0.00
62	S	4-Bromofluorobenzene	50.000	56.039	-12.1	106	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
64	T	Tetrachloroethene	50.000	58.408	-16.8	119	0.00
65	PM	Chlorobenzene	50.000	58.266	-16.5	121	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	61.967	-23.9	124	0.00
67	C	Ethyl Benzene	50.000	63.337	-26.7#	119	0.00
68	T	m/p-Xylenes	100.000	127.766	-27.8#	121	0.00
69	T	o-Xylene	50.000	64.428	-28.9#	121	0.00
70	T	Styrene	50.000	67.883	-35.8#	125	0.00
71	P	Bromoform	50.000	67.320	-34.6#	128	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	104	0.00
73	T	Isopropylbenzene	50.000	60.785	-21.6	123	0.00
74	T	N-amyl acetate	50.000	63.094	-26.2#	123	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	52.916	-5.8	121	0.00
76	T	1,2,3-Trichloropropane	50.000	49.775	0.5	105	0.00
77	T	Bromobenzene	50.000	55.620	-11.2	120	0.00
78	T	n-propylbenzene	50.000	62.752	-25.5#	126	0.00
79	T	2-Chlorotoluene	50.000	57.227	-14.5	122	0.00
80	T	1,3,5-Trimethylbenzene	50.000	62.790	-25.6#	123	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	60.338	-20.7	127	0.00
82	T	4-Chlorotoluene	50.000	56.362	-12.7	120	0.00
83	T	tert-Butylbenzene	50.000	59.272	-18.5	120	0.00
84	T	1,2,4-Trimethylbenzene	50.000	61.328	-22.7	120	0.00
85	T	sec-Butylbenzene	50.000	62.691	-25.4#	123	0.00
86	T	p-Isopropyltoluene	50.000	65.018	-30.0#	125	0.00
87	T	1,3-Dichlorobenzene	50.000	51.875	-3.8	118	0.00
88	T	1,4-Dichlorobenzene	50.000	50.815	-1.6	115	0.00
89	T	n-Butylbenzene	50.000	59.518	-19.0	123	0.00
90	T	Hexachloroethane	50.000	57.956	-15.9	124	0.00
91	T	1,2-Dichlorobenzene	50.000	50.441	-0.9	112	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	55.854	-11.7	124	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.409	3.2	109	0.00
94	T	Hexachlorobutadiene	50.000	50.659	-1.3	118	0.00
95	T	Naphthalene	50.000	53.899	-7.8	110	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085153.D
Acq On : 09 Dec 2024 16:14
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 05:02:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	49.972	0.1	108	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

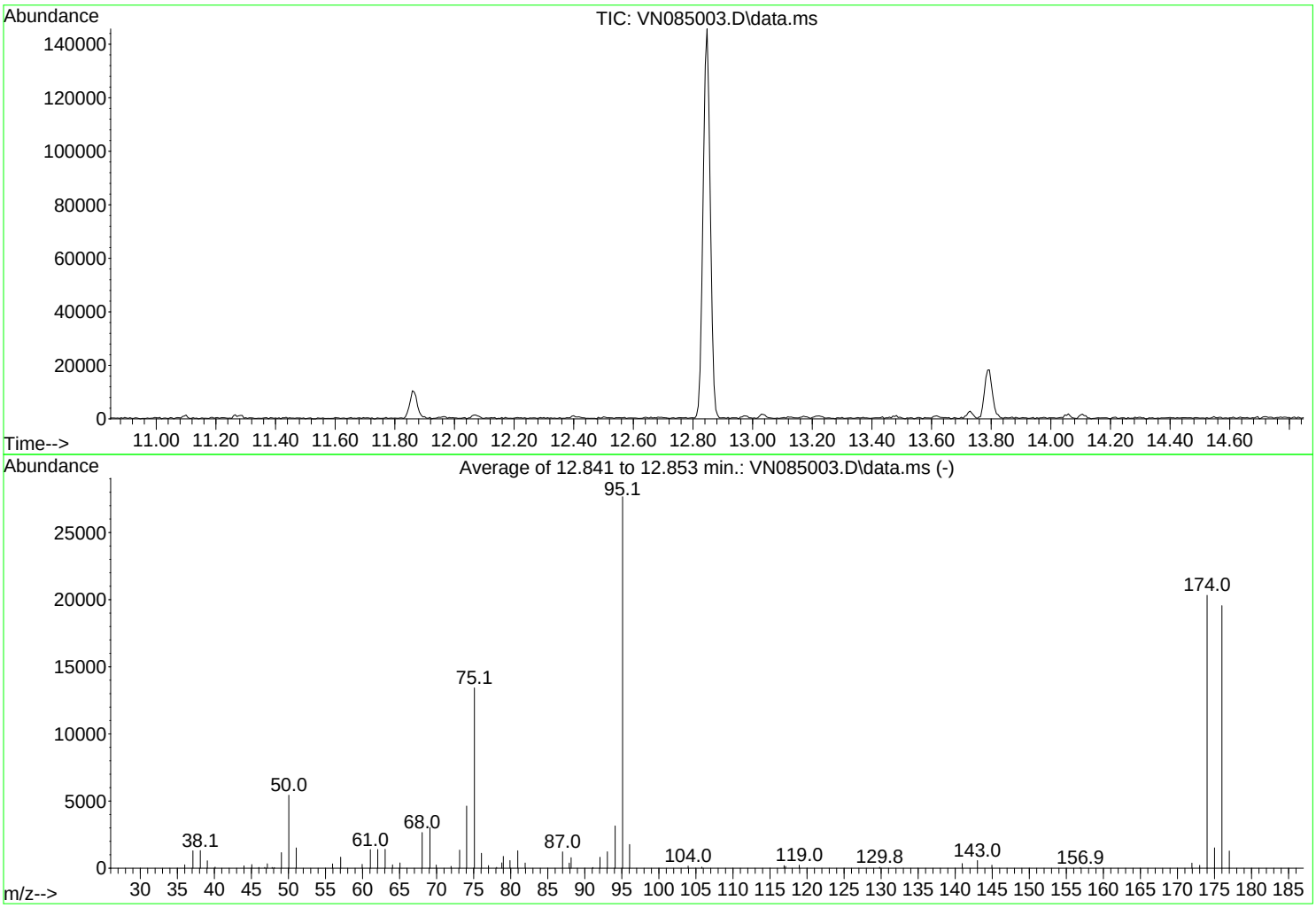
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085003.D
Acq On : 22 Nov 2024 09:29
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Title : SW846 8260
Last Update : Sat Nov 23 02:54:10 2024



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

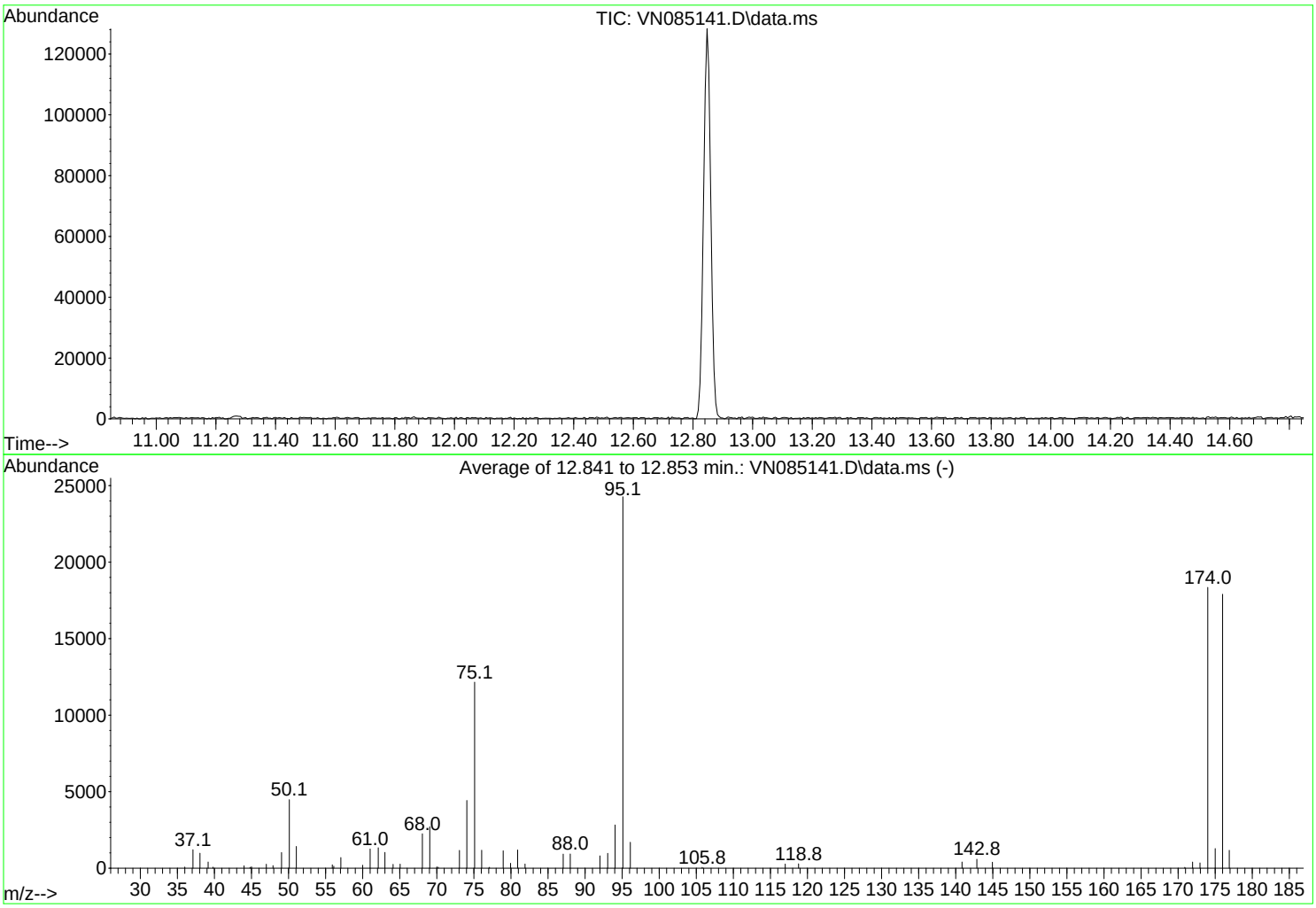
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.7	5439	PASS
75	95	30	60	48.5	13431	PASS
95	95	100	100	100.0	27667	PASS
96	95	5	9	6.4	1766	PASS
173	174	0.00	2	1.1	216	PASS
174	95	50	100	73.5	20325	PASS
175	174	5	9	7.5	1518	PASS
176	174	95	101	96.2	19555	PASS
177	176	5	9	6.6	1282	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085141.D
Acq On : 09 Dec 2024 09:58
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Title : SW846 8260
Last Update : Sat Nov 23 02:54:10 2024



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1844

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.5	4480	PASS
75	95	30	60	50.1	12157	PASS
95	95	100	100	100.0	24272	PASS
96	95	5	9	7.0	1696	PASS
173	174	0.00	2	1.9	347	PASS
174	95	50	100	75.6	18349	PASS
175	174	5	9	7.0	1283	PASS
176	174	95	101	97.6	17900	PASS
177	176	5	9	6.5	1169	PASS

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VN1209WBL01	SDG No.:	P5117
Lab Sample ID:	VN1209WBL01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085143.D	1		12/09/24 11:11	VN120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.4		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	53.4		80 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	48.6		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.8		85 - 114		86%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	134000	8.224				
540-36-3	1,4-Difluorobenzene	228000	9.1				
3114-55-4	Chlorobenzene-d5	197000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	78400	13.788				

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085143.D
Acq On : 09 Dec 2024 11:11
Operator : JC\MD
Sample : VN1209WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBL01

Quant Time: Dec 10 04:57:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

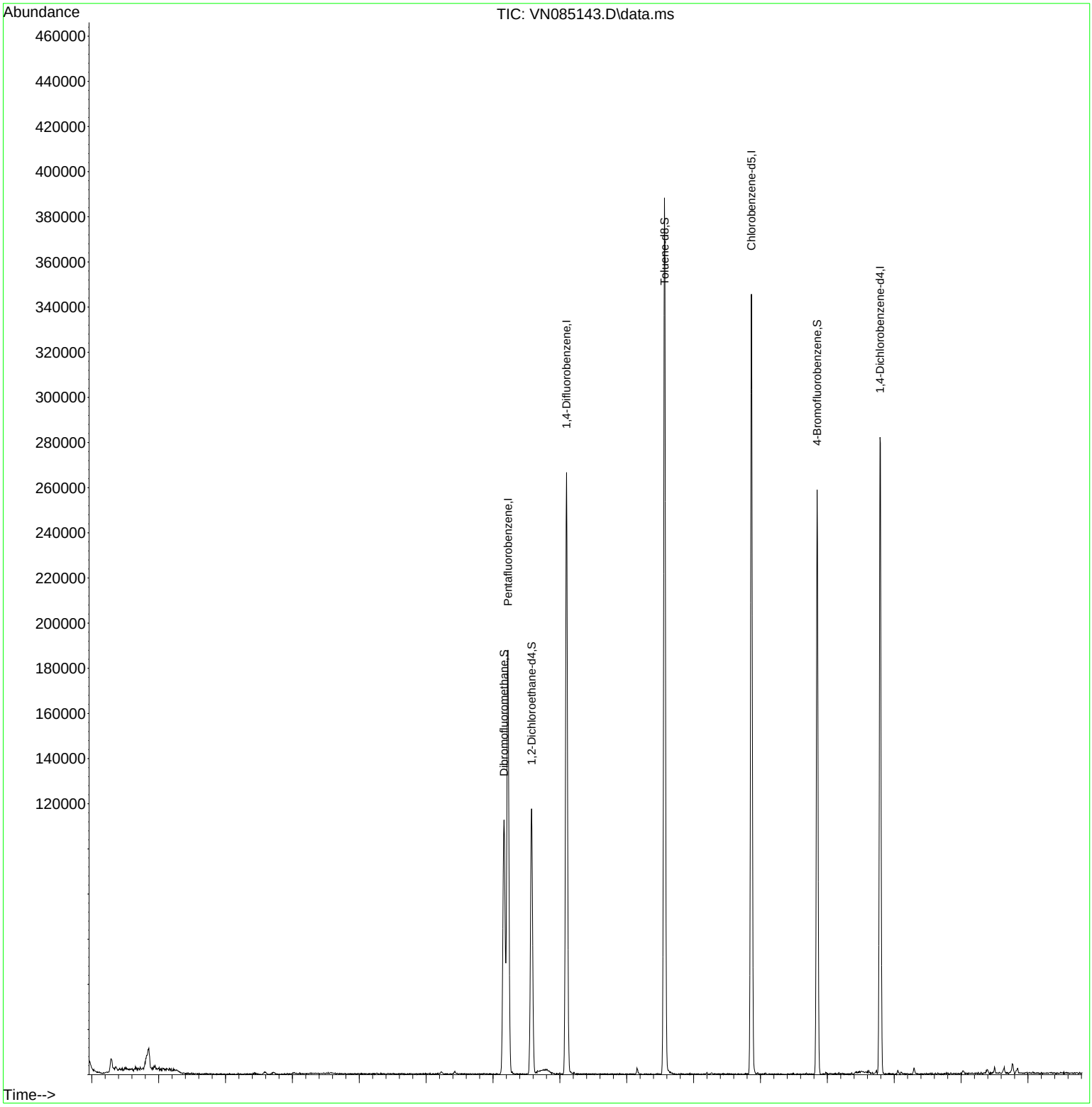
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	133604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	227682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	197276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	78404	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	97776	51.377	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.760%			
35) Dibromofluoromethane	8.165	113	82024	53.422	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.840%			
50) Toluene-d8	10.565	98	267585	48.629	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.260%			
62) 4-Bromofluorobenzene	12.847	95	88149	42.837	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 85.680%			
Target Compounds						Qvalue

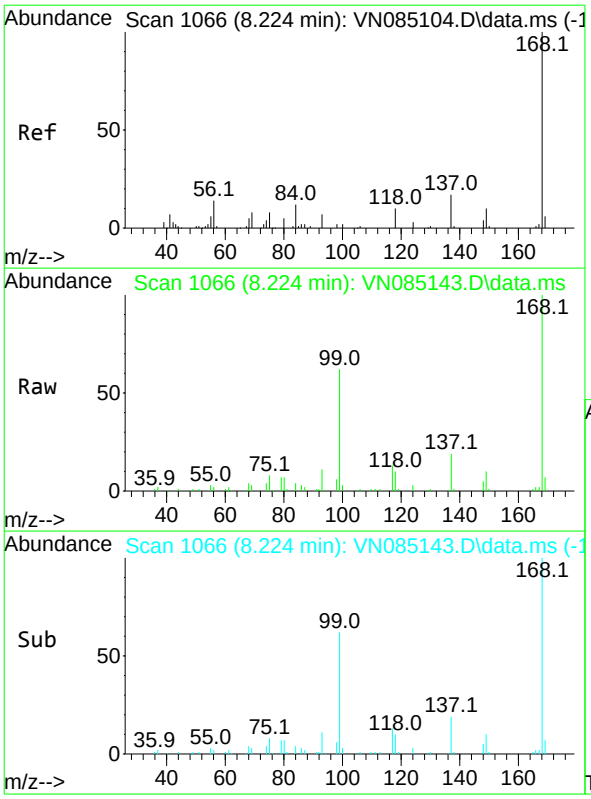
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085143.D
Acq On : 09 Dec 2024 11:11
Operator : JC\MD
Sample : VN1209WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBL01

Quant Time: Dec 10 04:57:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



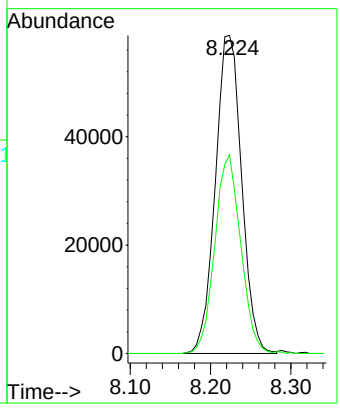


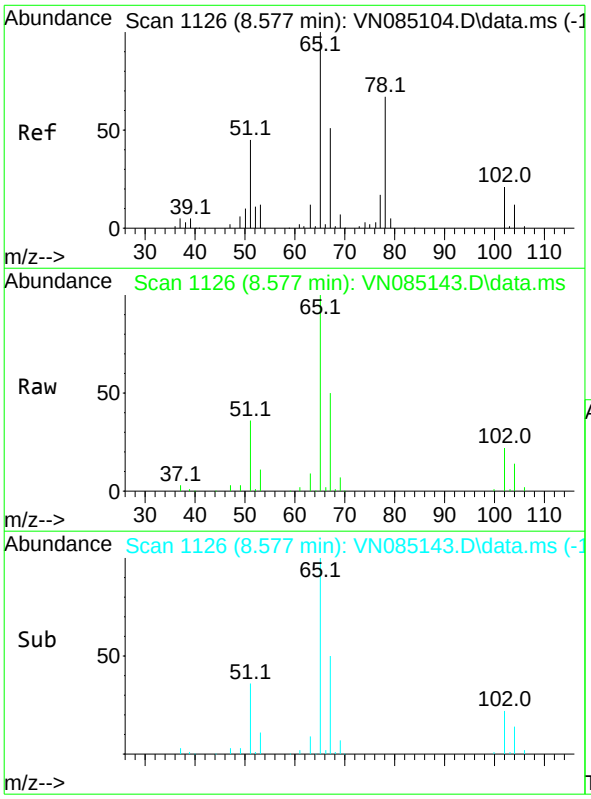
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBL01

Tgt Ion:168 Resp: 133604

Ion	Ratio	Lower	Upper
168	100		
99	62.4	51.2	76.8

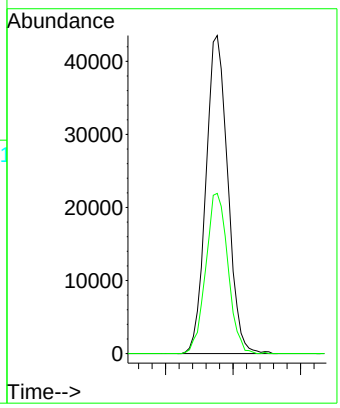


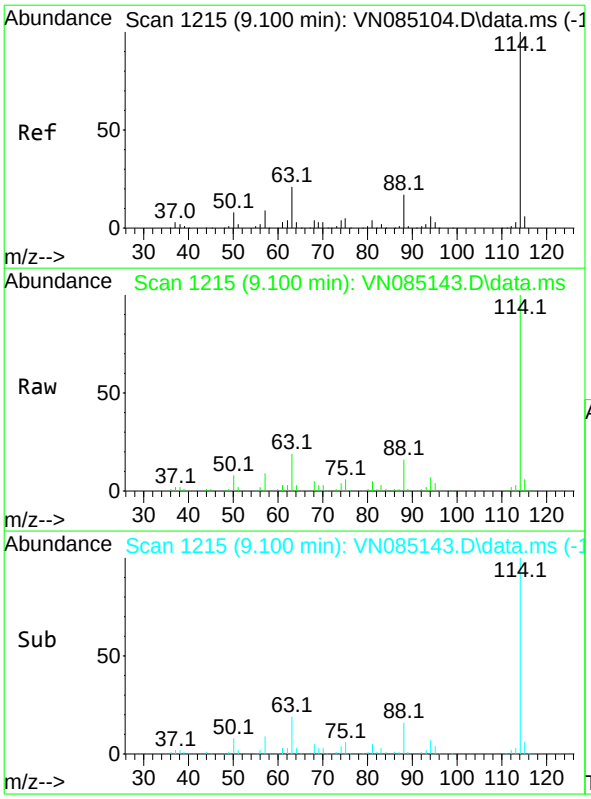


#33
1,2-Dichloroethane-d4
Concen: 51.377 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

Tgt Ion: 65 Resp: 97776

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	105.0



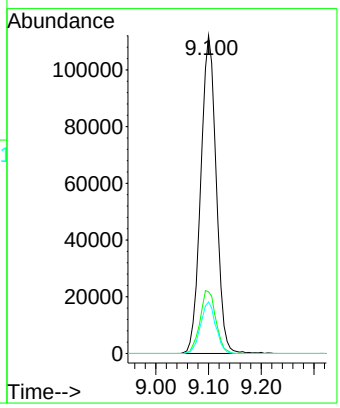


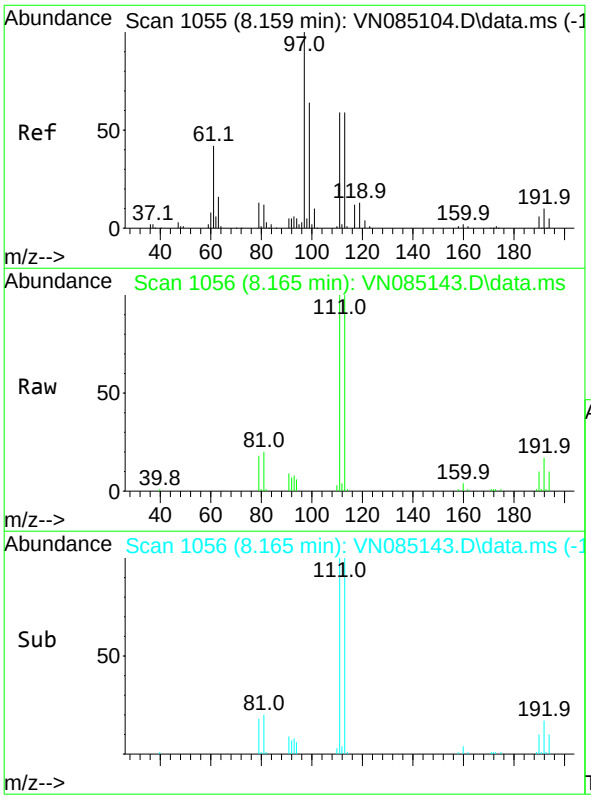
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBL01

Tgt Ion:114 Resp: 227682

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	41.0
88	16.2	0.0	34.8

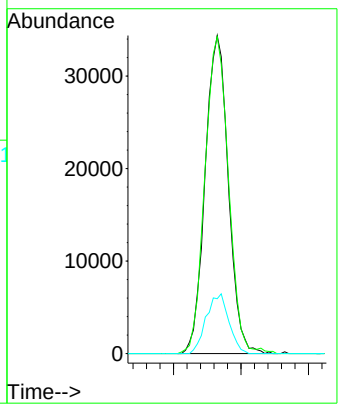


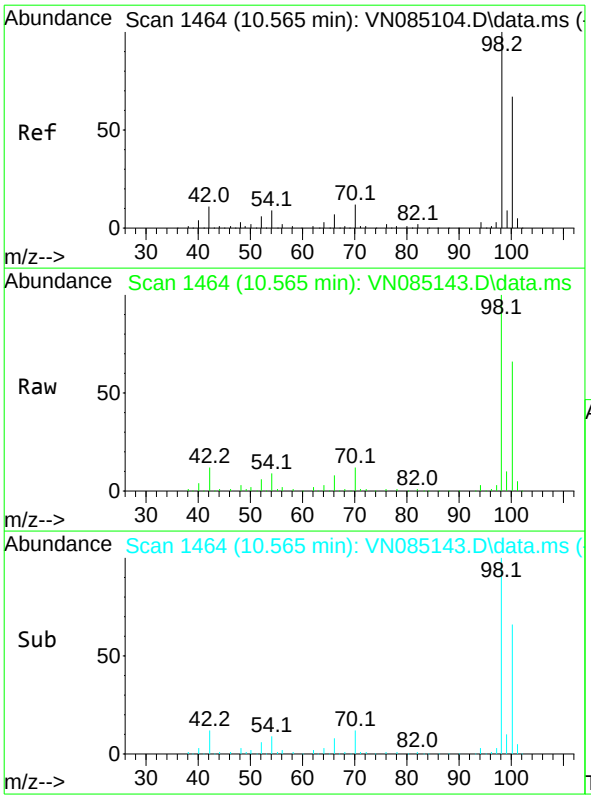


#35
Dibromofluoromethane
Concen: 53.422 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

Tgt Ion:113 Resp: 82024

Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.0	123.0
192	18.3	14.8	22.2



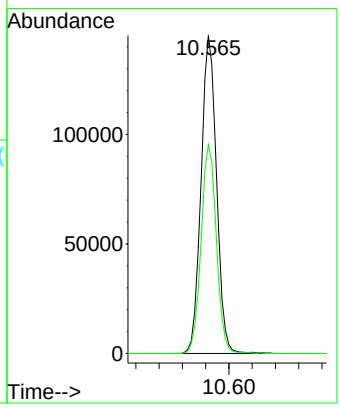


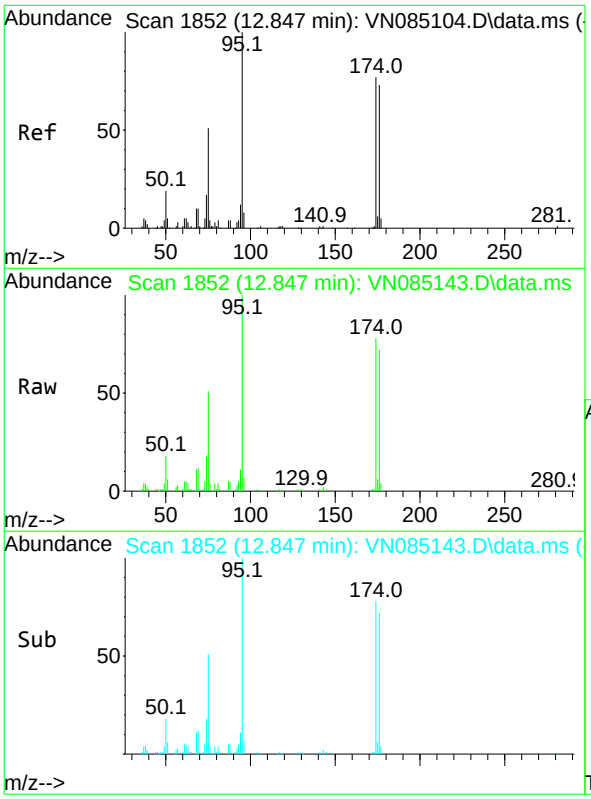
#50
Toluene-d8
Concen: 48.629 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBL01

Tgt Ion: 98 Resp: 267585

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.5	78.7

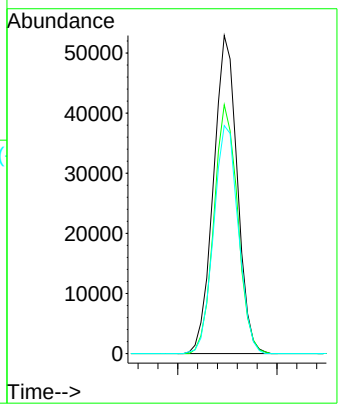


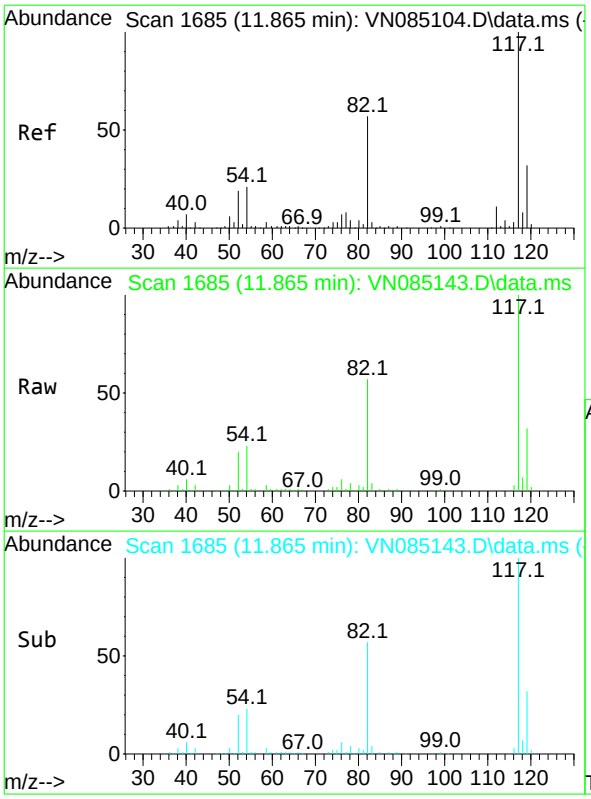


#62
4-Bromofluorobenzene
Concen: 42.837 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

Tgt Ion: 95 Resp: 88149

Ion	Ratio	Lower	Upper
95	100		
174	77.9	0.0	146.6
176	74.0	0.0	141.8



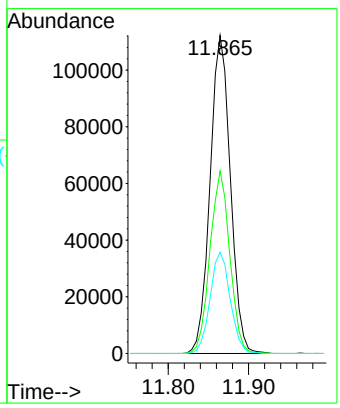


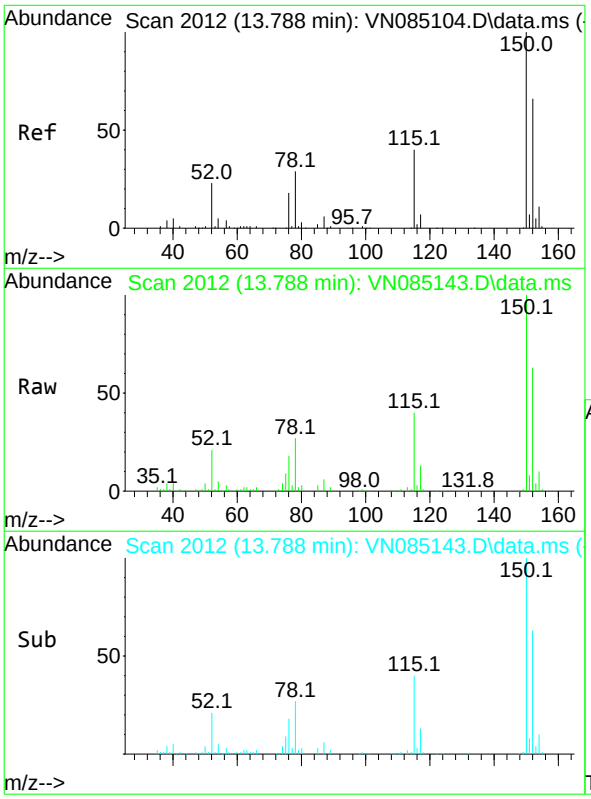
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBL01

Tgt Ion:117 Resp: 197276

Ion	Ratio	Lower	Upper
117	100		
82	57.4	46.0	69.0
119	31.8	25.6	38.4

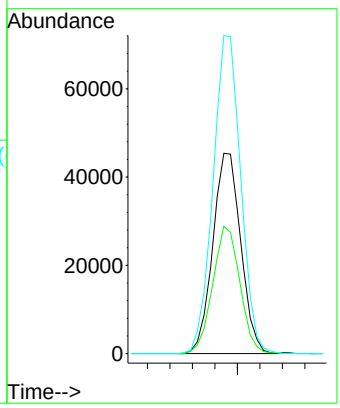




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

Tgt Ion:152 Resp: 78404

Ion	Ratio	Lower	Upper
152	100		
115	61.7	31.7	95.1
150	157.6	0.0	351.4



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

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VN1209WBS01	SDG No.:	P5117
Lab Sample ID:	VN1209WBS01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085144.D	1		12/09/24 11:35	VN120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-01-4	Vinyl Chloride	15.7		0.34	0.75	1.00	ug/L
75-35-4	1,1-Dichloroethene	16.8		0.26	0.75	1.00	ug/L
78-93-3	2-Butanone	98.2		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.8		0.25	0.50	1.00	ug/L
67-66-3	Chloroform	17.6		0.26	0.50	1.00	ug/L
71-43-2	Benzene	18.6		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.8		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.0		0.32	0.75	1.00	ug/L
127-18-4	Tetrachloroethene	20.8		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	18.3		0.13	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	45.8		81 - 118		92%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	48.6		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	163000	8.224				
540-36-3	1,4-Difluorobenzene	260000	9.1				
3114-55-4	Chlorobenzene-d5	222000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	105000	13.788				

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085144.D
Acq On : 09 Dec 2024 11:35
Operator : JC\MD
Sample : VN1209WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 10 04:57:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Manual Integrations APPROVED
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	163291	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	259546	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	222034	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	104600	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	106459	45.770	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 91.540%			
35) Dibromofluoromethane	8.165	113	89046	50.875	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.740%			
50) Toluene-d8	10.565	98	305121	48.643	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.280%			
62) 4-Bromofluorobenzene	12.847	95	110888	47.272	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.540%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	26409	14.303	ug/l	94
3) Chloromethane	2.359	50	27604	12.890	ug/l	91
4) Vinyl Chloride	2.512	62	30286	15.737	ug/l	100
5) Bromomethane	2.954	94	21229	19.680	ug/l	95
6) Chloroethane	3.118	64	21103	16.268	ug/l	95
7) Trichlorofluoromethane	3.495	101	56705	17.321	ug/l	96
8) Diethyl Ether	3.959	74	18392	16.506	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	32533	17.521	ug/l	99
10) Methyl Iodide	4.589	142	35117	14.288	ug/l	96
11) Tert butyl alcohol	5.518	59	30573	98.362	ug/l #	94
12) 1,1-Dichloroethene	4.336	96	29194	16.844	ug/l	96
13) Acrolein	4.183	56	17012	82.024	ug/l	95
14) Allyl chloride	5.024	41	42953	14.701	ug/l	96
15) Acrylonitrile	5.718	53	83368	94.738	ug/l	99
16) Acetone	4.430	43	74219	109.563	ug/l	97
17) Carbon Disulfide	4.712	76	80210	15.679	ug/l	99
18) Methyl Acetate	5.024	43	41204	18.303	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	97105	17.148	ug/l	98
20) Methylene Chloride	5.277	84	35121	16.990	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	31602	17.327	ug/l	95
22) Diisopropyl ether	6.671	45	103043	17.523	ug/l	99
23) Vinyl Acetate	6.606	43	351180	86.565	ug/l	98
24) 1,1-Dichloroethane	6.565	63	61913	17.594	ug/l	99
25) 2-Butanone	7.483	43	108793	98.232	ug/l	98
26) 2,2-Dichloropropane	7.489	77	57271	17.429	ug/l	100
27) cis-1,2-Dichloroethene	7.489	96	37413	17.016	ug/l	100
28) Bromochloromethane	7.812	49	24208	18.224	ug/l	91
29) Tetrahydrofuran	7.841	42	66904	97.142	ug/l	94
30) Chloroform	7.965	83	65806	17.580	ug/l	98
31) Cyclohexane	8.259	56	51467	16.611	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	61775	18.262	ug/l	96
36) 1,1-Dichloropropene	8.371	75	42851	18.075	ug/l	97
37) Ethyl Acetate	7.565	43	42554	19.744	ug/l	98
38) Carbon Tetrachloride	8.365	117	54048	19.750	ug/l	94
39) Methylcyclohexane	9.600	83	42735	17.347	ug/l	97
40) Benzene	8.606	78	139262	18.573	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085144.D
Acq On : 09 Dec 2024 11:35
Operator : JC\MD
Sample : VN1209WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 10 04:57:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	22251	18.646	ug/l		95
42) 1,2-Dichloroethane	8.671	62	48342	18.845	ug/l		100
43) Isopropyl Acetate	8.688	43	72727	16.245	ug/l		98
44) Trichloroethene	9.353	130	33126	19.010	ug/l		86
45) 1,2-Dichloropropane	9.618	63	34338	18.593	ug/l		96
46) Dibromomethane	9.712	93	25247	19.674	ug/l		99
47) Bromodichloromethane	9.888	83	51682	19.002	ug/l		99
48) Methyl methacrylate	9.677	41	33500	20.109	ug/l		97
49) 1,4-Dioxane	9.694	88	13321	461.086	ug/l	#	94
51) 4-Methyl-2-Pentanone	10.441	43	228689	111.838	ug/l		99
52) Toluene	10.630	92	88892	20.025	ug/l		98
53) t-1,3-Dichloropropene	10.830	75	49777	18.255	ug/l		95
54) cis-1,3-Dichloropropene	10.312	75	55624	19.228	ug/l		98
55) 1,1,2-Trichloroethane	11.018	97	34271	20.727	ug/l		98
56) Ethyl methacrylate	10.877	69	49811	20.617	ug/l		99
57) 1,3-Dichloropropane	11.159	76	54891	18.863	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	107728	90.899	ug/l		100
59) 2-Hexanone	11.194	43	169991	111.153	ug/l		99
60) Dibromochloromethane	11.359	129	40779	20.181	ug/l		99
61) 1,2-Dibromoethane	11.471	107	33148	19.372	ug/l		98
64) Tetrachloroethene	11.106	164	31073	20.769	ug/l		93
65) Chlorobenzene	11.888	112	92261	18.322	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	35345	19.936	ug/l		98
67) Ethyl Benzene	11.965	91	156939	19.210	ug/l		99
68) m/p-Xylenes	12.071	106	121108	38.938	ug/l		99
69) o-Xylene	12.400	106	57985	19.599	ug/l		99
70) Styrene	12.412	104	98206	19.960	ug/l		99
71) Bromoform	12.576	173	28031	21.300	ug/l	#	99
73) Isopropylbenzene	12.694	105	147544	19.995	ug/l		100
74) N-amyl acetate	12.494	43	62083	20.417	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	48508	19.251	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	34658m	18.216	ug/l		
77) Bromobenzene	12.982	156	38928	19.603	ug/l		99
78) n-propylbenzene	13.035	91	177101	20.808	ug/l		98
79) 2-Chlorotoluene	13.123	91	111085	19.552	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	125642	20.291	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	17583	20.401	ug/l		93
82) 4-Chlorotoluene	13.218	91	112899	19.088	ug/l		99
83) tert-Butylbenzene	13.435	119	107573	20.191	ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	126653	19.871	ug/l		99
85) sec-Butylbenzene	13.618	105	147809	20.537	ug/l		99
86) p-Isopropyltoluene	13.729	119	120791	20.331	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	68527	17.496	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	69227	17.319	ug/l		98
89) n-Butylbenzene	14.053	91	96140	17.401	ug/l		98
90) Hexachloroethane	14.335	117	25206	19.464	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	65350	17.412	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	9910	20.338	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	32298	15.840	ug/l		100
94) Hexachlorobutadiene	15.500	225	16431	17.460	ug/l		96
95) Naphthalene	15.641	128	91989	15.840	ug/l		98
96) 1,2,3-Trichlorobenzene	15.835	180	31678	16.282	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085144.D
Acq On : 09 Dec 2024 11:35
Operator : JC\MD
Sample : VN1209WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 10 04:57:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
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QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

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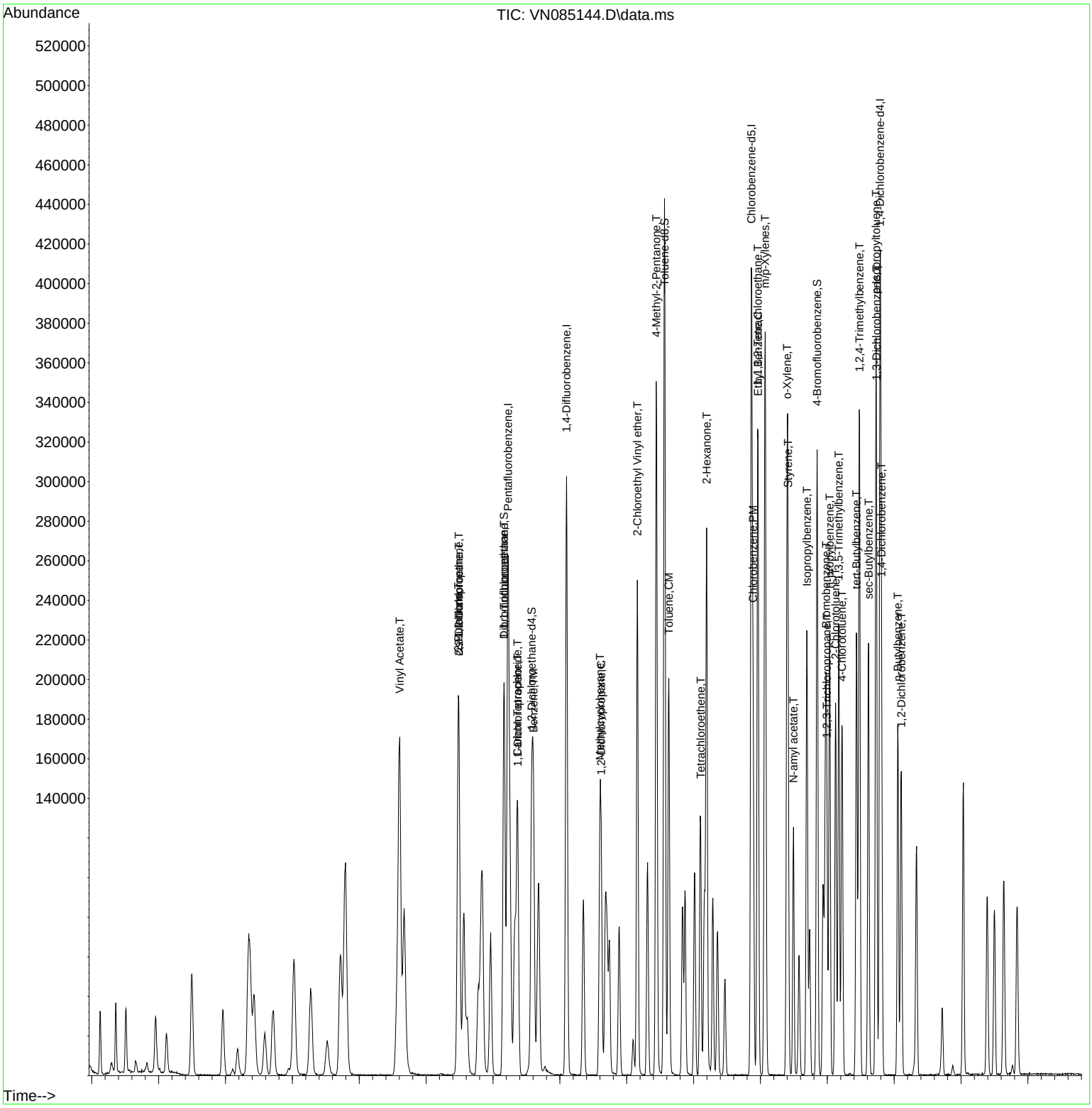
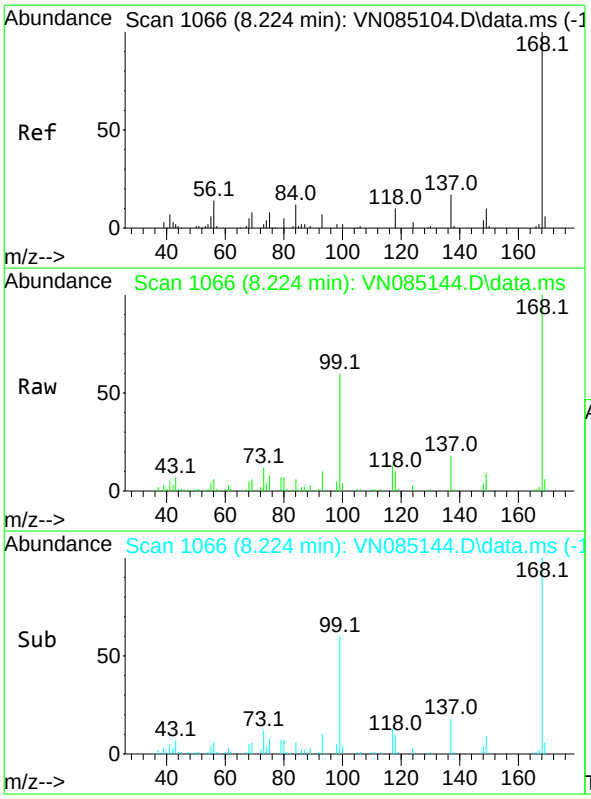
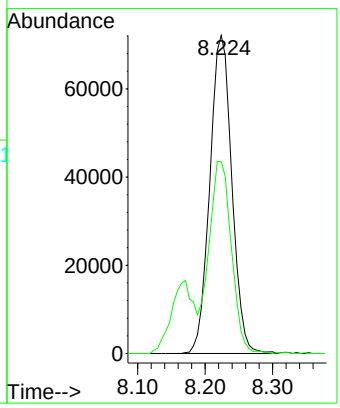




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:168 Resp: 163291

Ion	Ratio	Lower	Upper
168	100		
99	60.1	51.2	76.8



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Manual Integrations APPROVED

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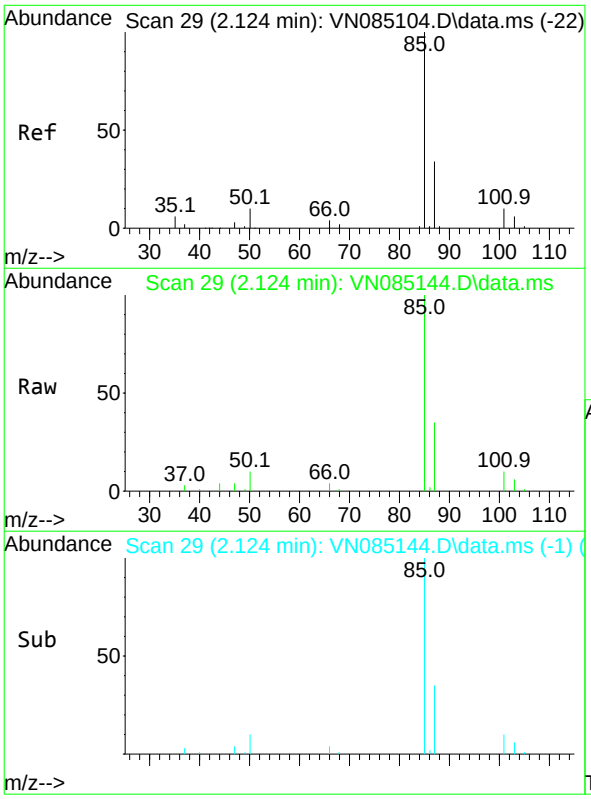
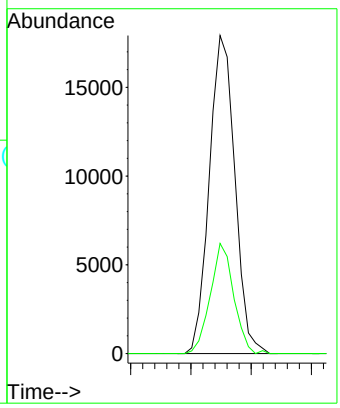
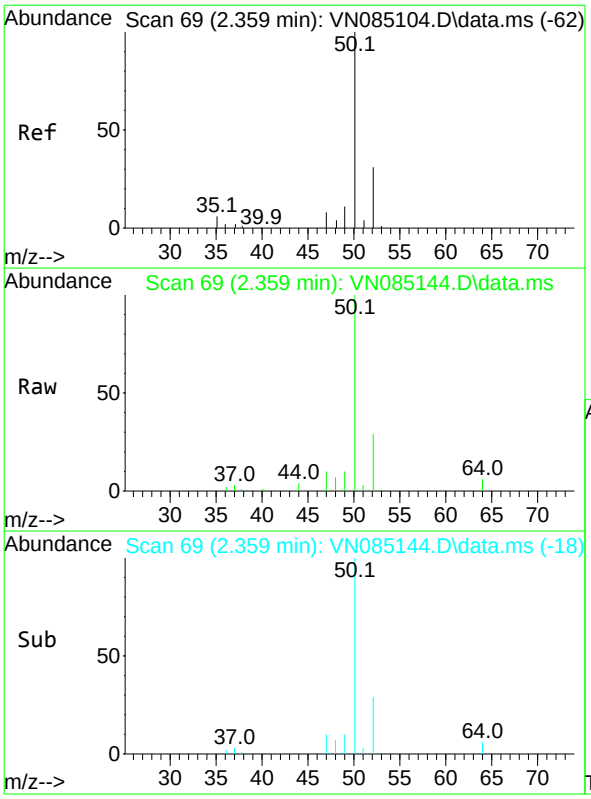


#2
Dichlorodifluoromethane
Concen: 14.303 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 85 Resp: 26409

Ion	Ratio	Lower	Upper
85	100		
87	34.6	15.7	47.1

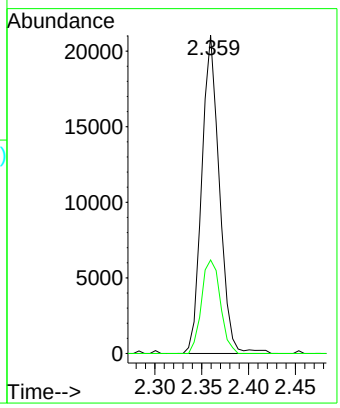




#3
Chloromethane
Concen: 12.890 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 50 Resp: 27604

Ion	Ratio	Lower	Upper
50	100		
52	29.4	27.8	41.8



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2024
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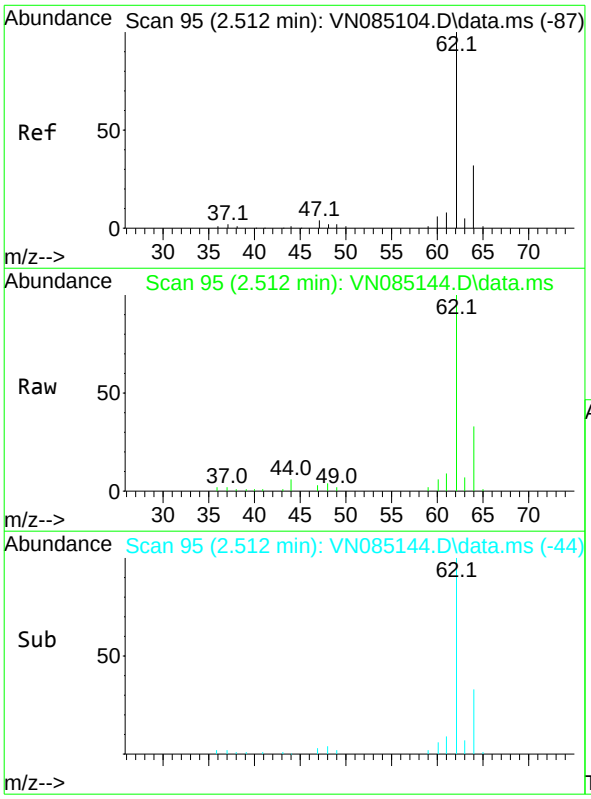
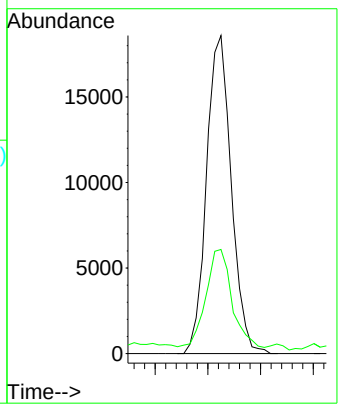
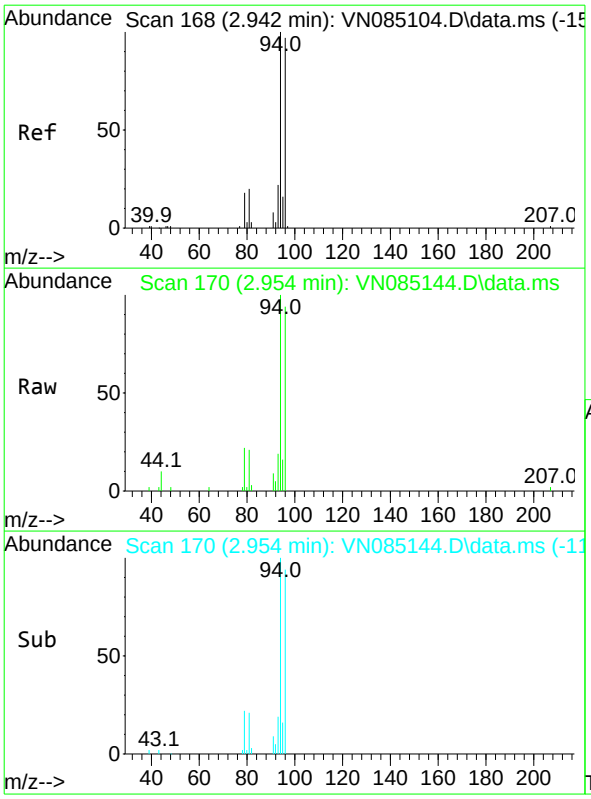


#4
Vinyl Chloride
Concen: 15.737 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 62 Resp: 30286

Ion	Ratio	Lower	Upper
62	100		
64	30.6	24.6	36.8

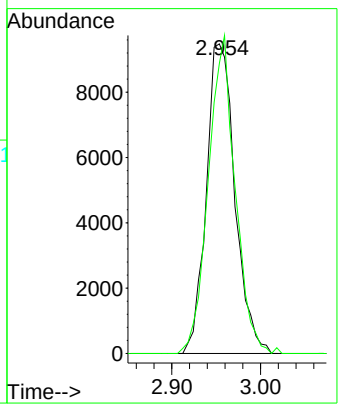




#5
Bromomethane
Concen: 19.680 ug/l
RT: 2.954 min Scan# 17
Delta R.T. 0.053 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 94 Resp: 21229

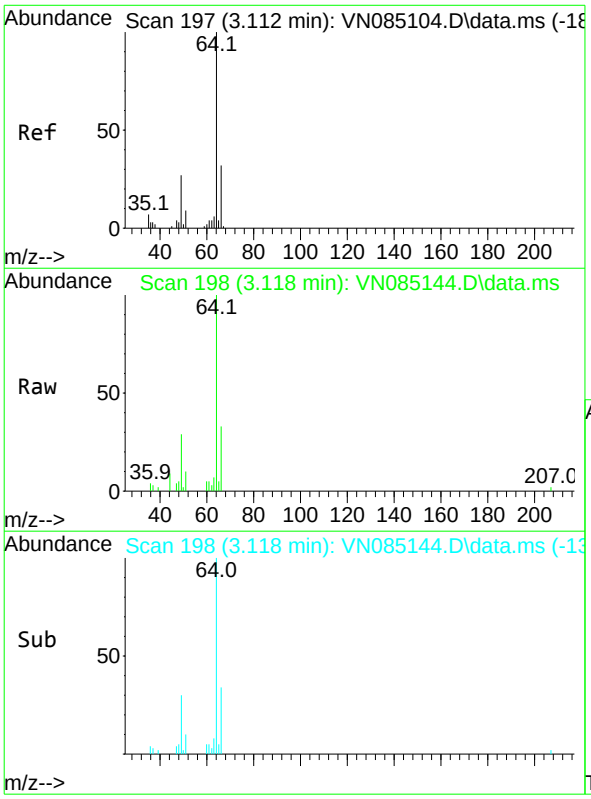
Ion	Ratio	Lower	Upper
94	100		
96	93.7	78.7	118.1



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Manual Integrations APPROVED

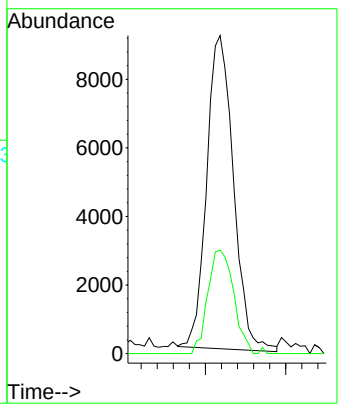
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

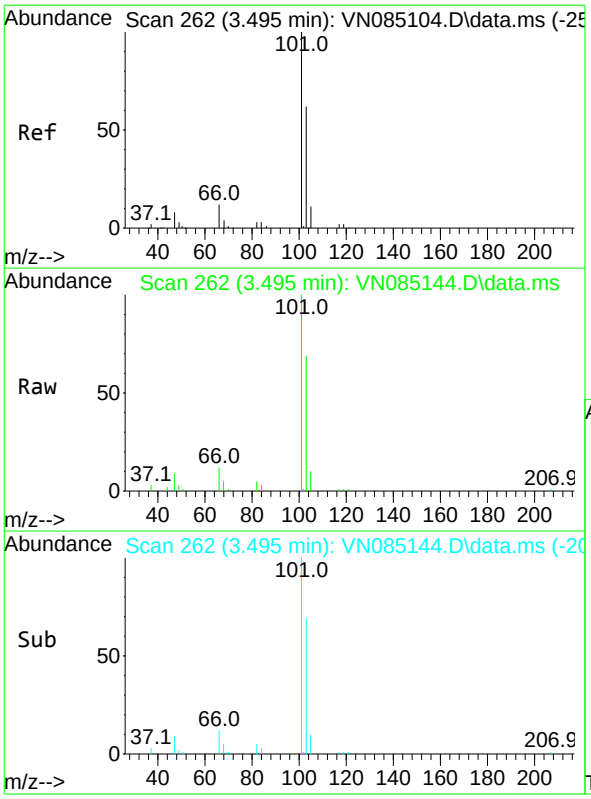


#6
Chloroethane
Concen: 16.268 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.053 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 64 Resp: 21103

Ion	Ratio	Lower	Upper
64	100		
66	33.3	24.4	36.6

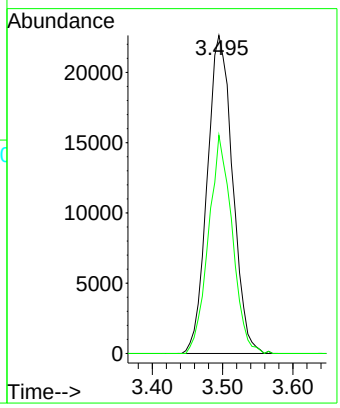




#7
Trichlorofluoromethane
Concen: 17.321 ug/l
RT: 3.495 min Scan# 26
Delta R.T. 0.035 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:101 Resp: 56705

Ion	Ratio	Lower	Upper
101	100		
103	68.6	52.6	78.8



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

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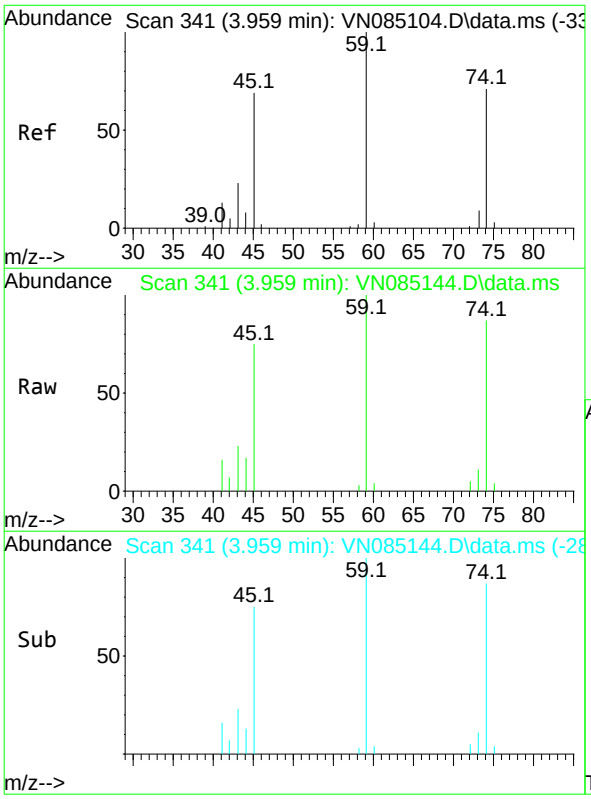
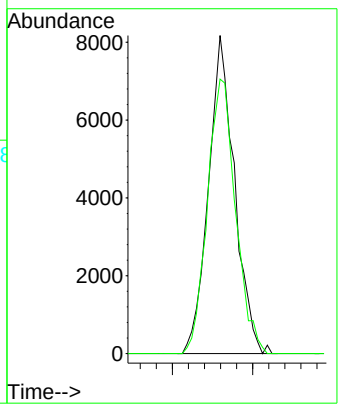
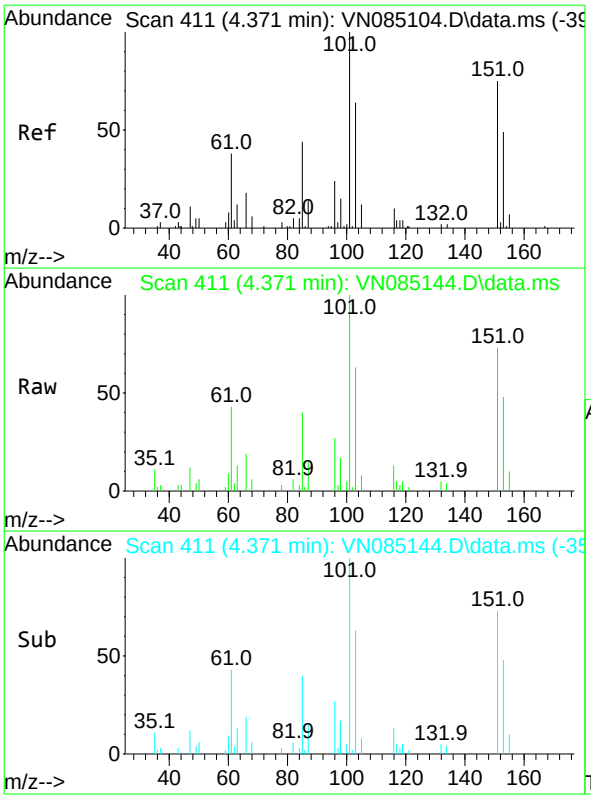


#8
Diethyl Ether
Concen: 16.506 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.012 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 74 Resp: 18392

Ion	Ratio	Lower	Upper
74	100		
45	93.5	46.7	140.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.521 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:101 Resp: 32533

Ion	Ratio	Lower	Upper
101	100		
85	45.2	36.9	55.3
151	75.7	60.8	91.2

Instrument :
MSVOA_N
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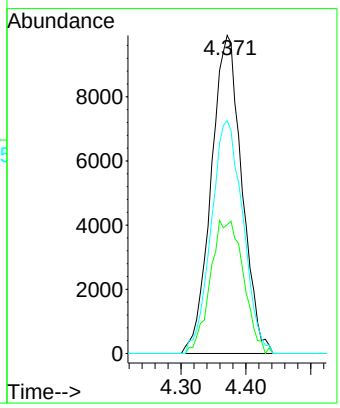
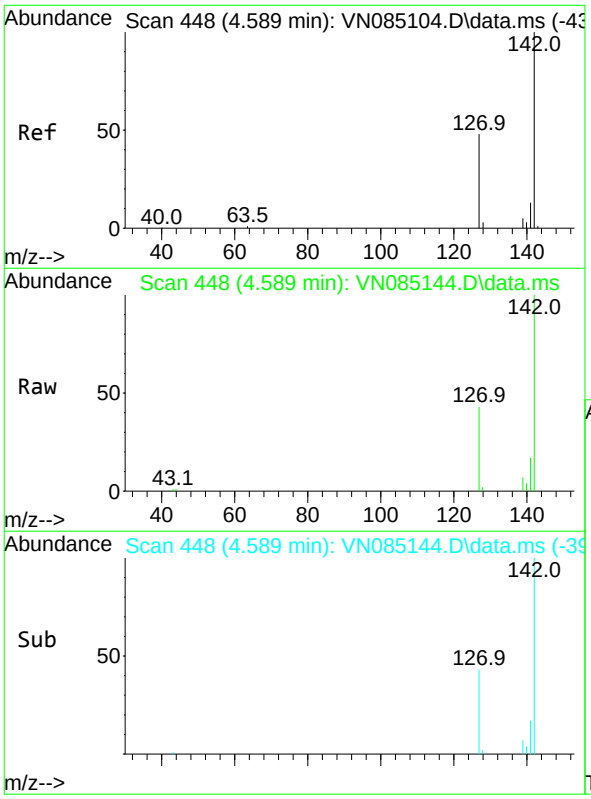
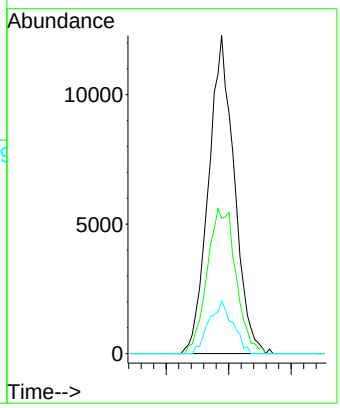


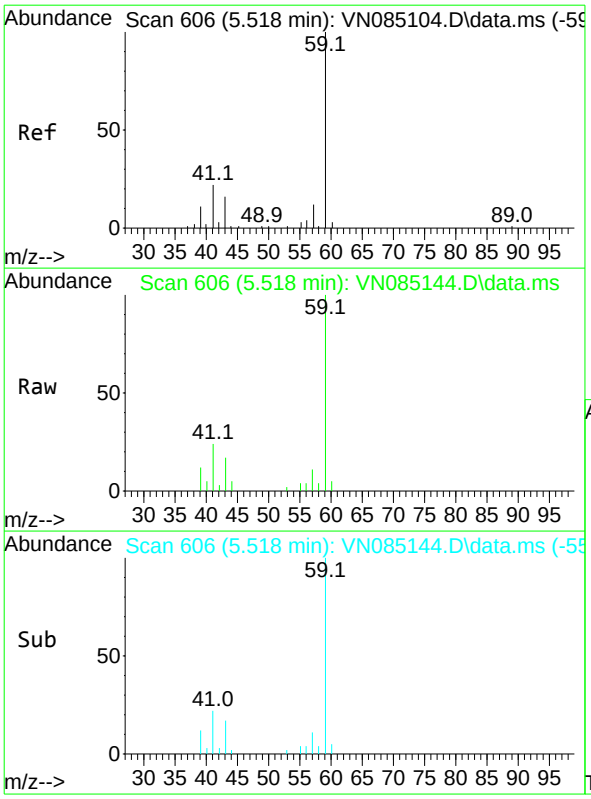


#10
Methyl Iodide
Concen: 14.288 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.018 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:142 Resp: 35117

Ion	Ratio	Lower	Upper
142	100		
127	42.5	36.6	54.8
141	16.6	12.2	18.4





#11
Tert butyl alcohol
Concen: 98.362 ug/l
RT: 5.518 min Scan# 60
Delta R.T. -0.024 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 59 Resp: 30573

Ion	Ratio	Lower	Upper
59	100		
57	11.4	7.4	11.0#

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

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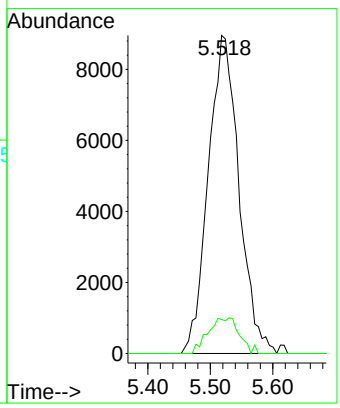
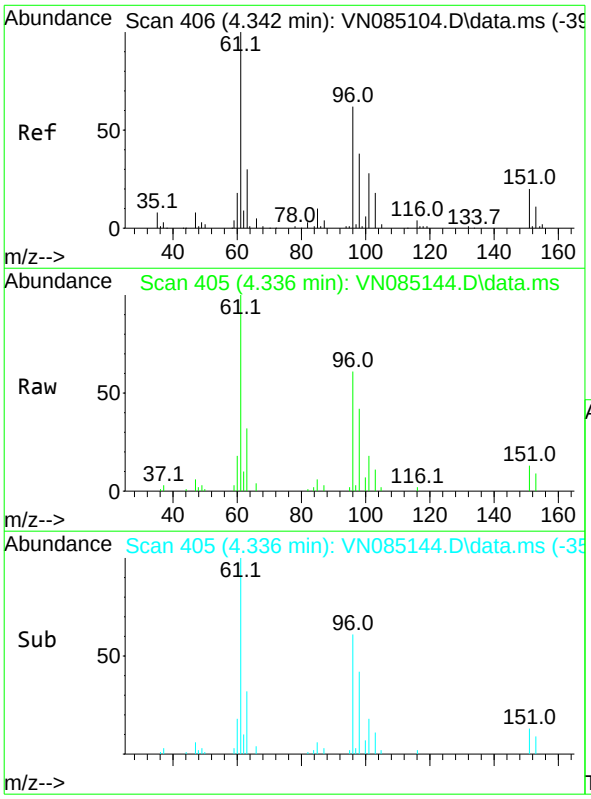
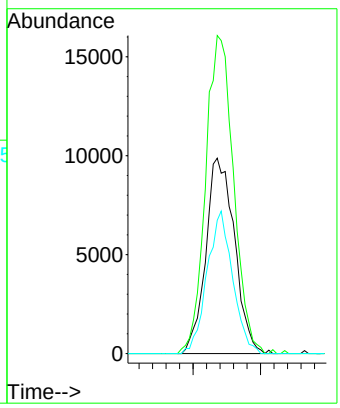


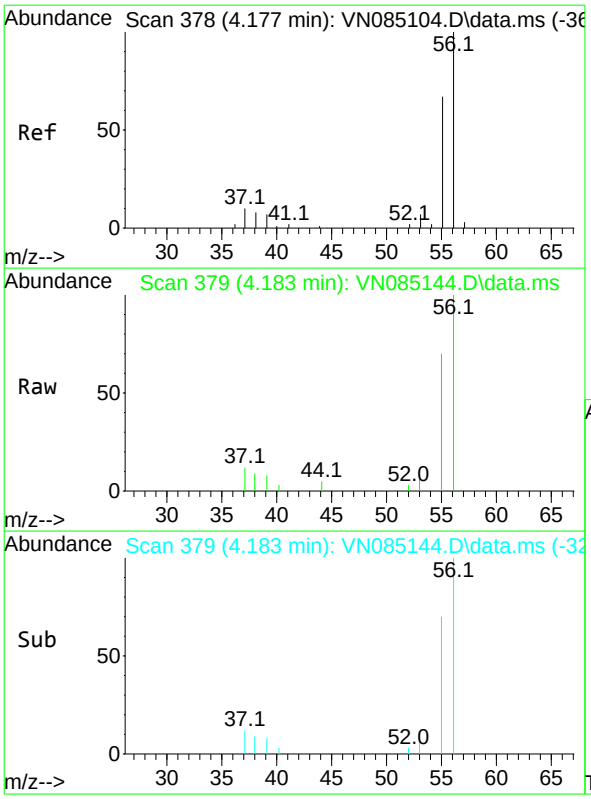


#12
1,1-Dichloroethene
Concen: 16.844 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.018 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 96 Resp: 29194

Ion	Ratio	Lower	Upper
96	100		
61	162.8	127.8	191.8
98	68.2	49.2	73.8

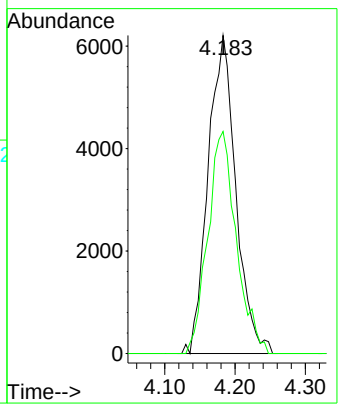




#13
Acrolein
Concen: 82.024 ug/l
RT: 4.183 min Scan# 37
Delta R.T. 0.018 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 56 Resp: 17012

Ion	Ratio	Lower	Upper
56	100		
55	71.8	54.5	81.7



Instrument :
MSVOA_N
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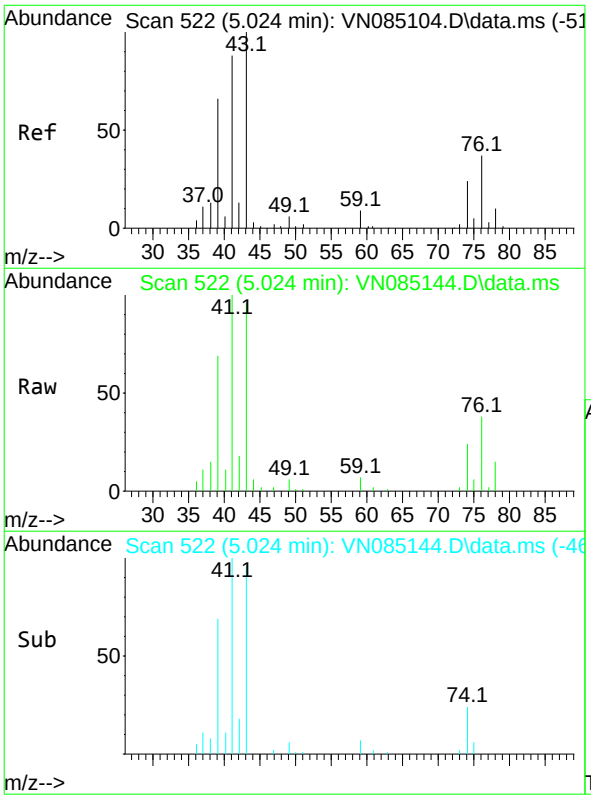
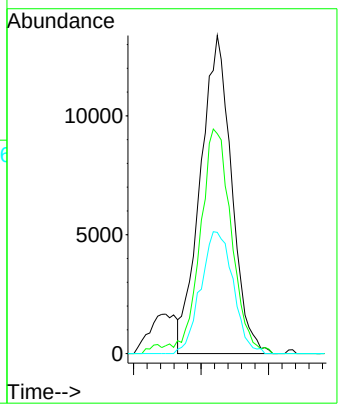
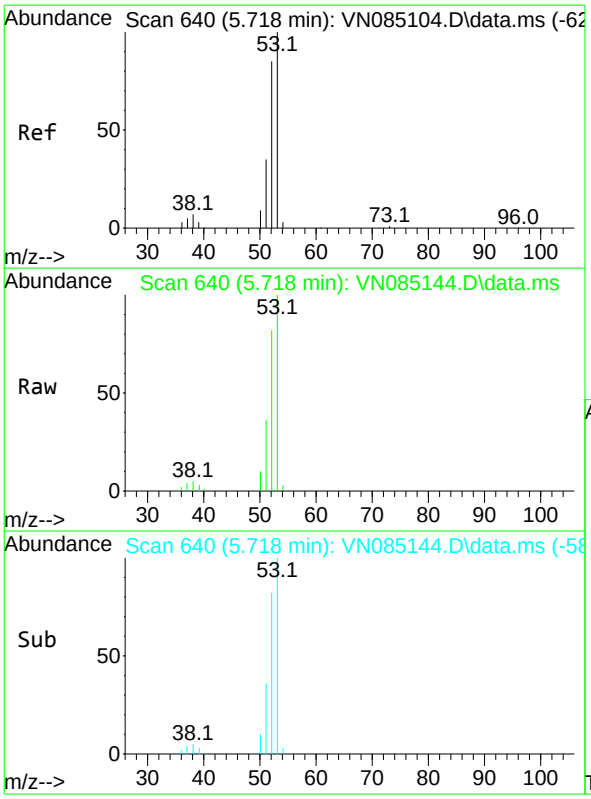


#14
Allyl chloride
Concen: 14.701 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.018 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 41 Resp: 42953

Ion	Ratio	Lower	Upper
41	100		
39	70.5	53.8	80.8
76	39.7	29.3	43.9





#15
Acrylonitrile
Concen: 94.738 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 53 Resp: 83368

Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.5	98.3
51	35.7	28.4	42.6

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

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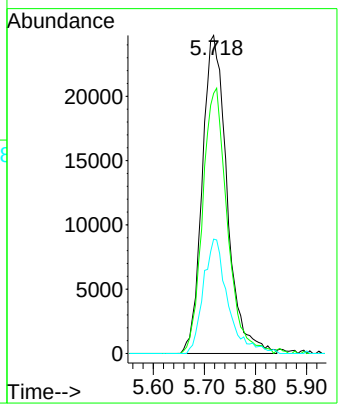
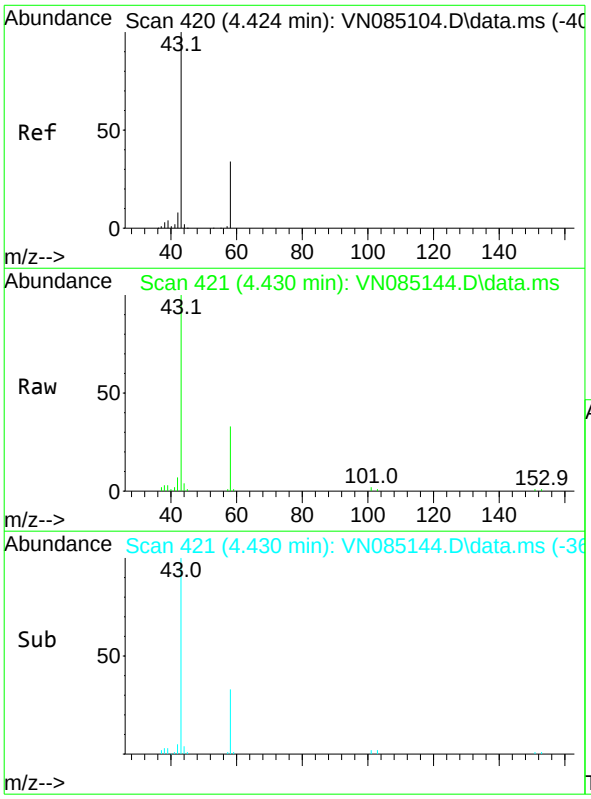
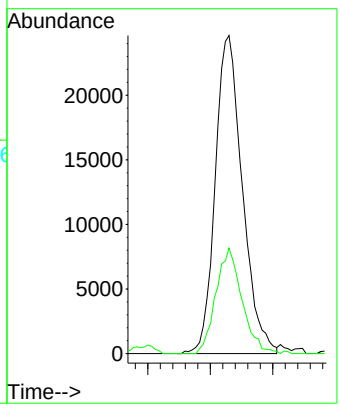


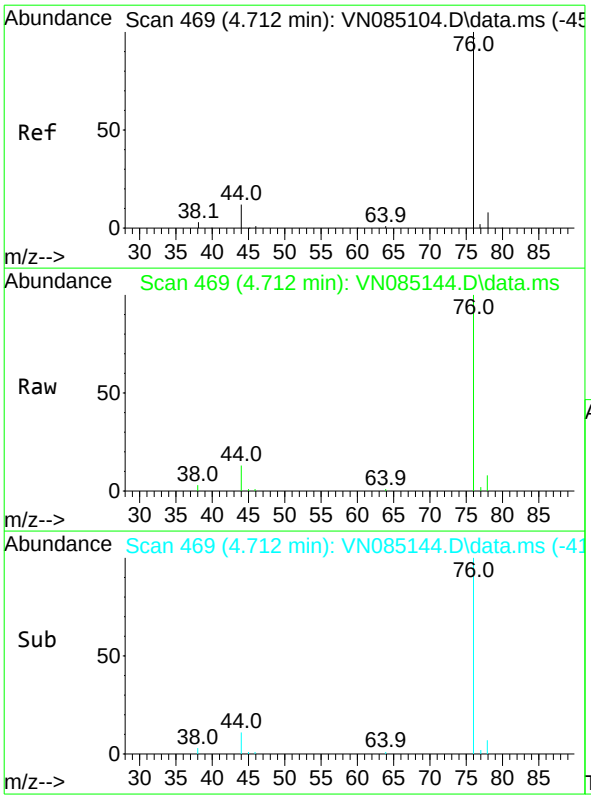


#16
Acetone
Concen: 109.563 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 43 Resp: 74219

Ion	Ratio	Lower	Upper
43	100		
58	33.2	25.4	38.2

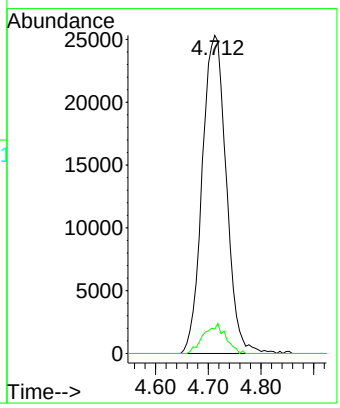




#17
Carbon Disulfide
Concen: 15.679 ug/l
RT: 4.712 min Scan# 46
Delta R.T. 0.018 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 76 Resp: 80210

Ion	Ratio	Lower	Upper
76	100		
78	7.7	6.5	9.7



Instrument :
MSVOA_N
ClientSampleId :
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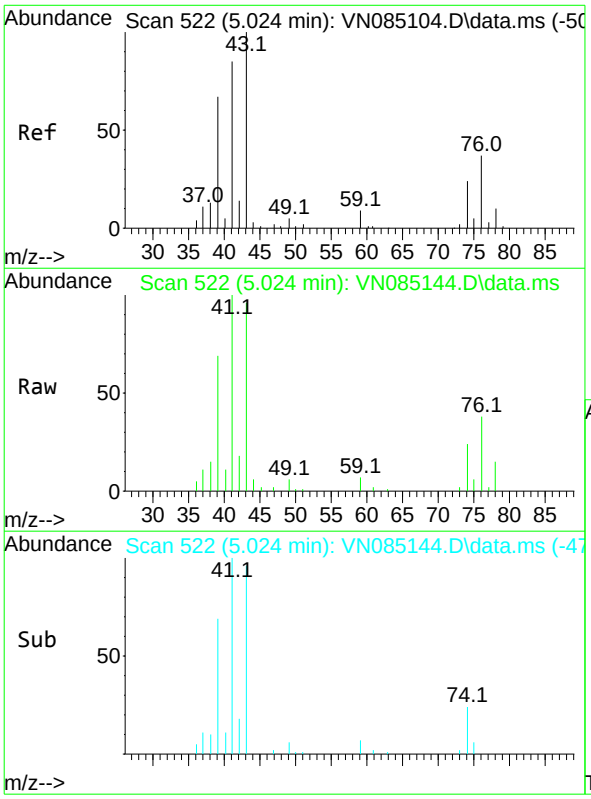
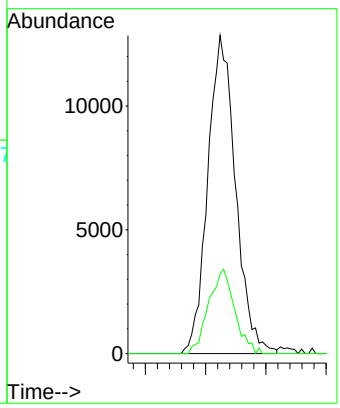
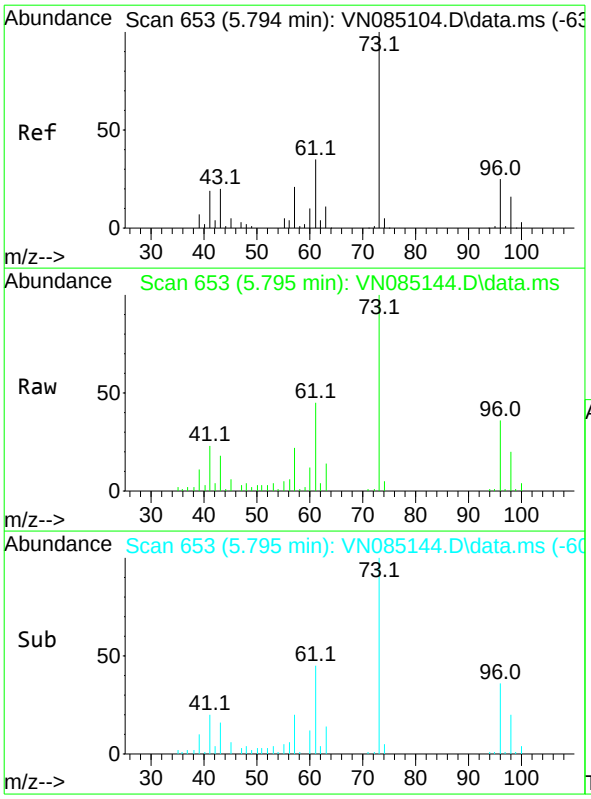


#18
Methyl Acetate
Concen: 18.303 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 43 Resp: 41204

Ion	Ratio	Lower	Upper
43	100		
74	24.8	20.1	30.1

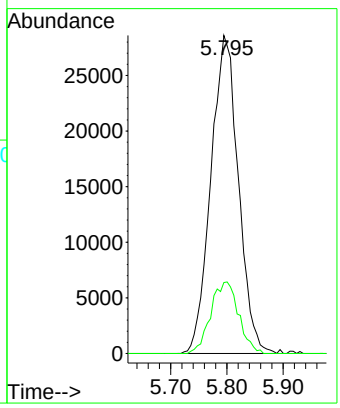




#19
Methyl tert-butyl Ether
Concen: 17.148 ug/l
RT: 5.795 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 73 Resp: 97105

Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.0	25.4



Instrument :
MSVOA_N
ClientSampleId :
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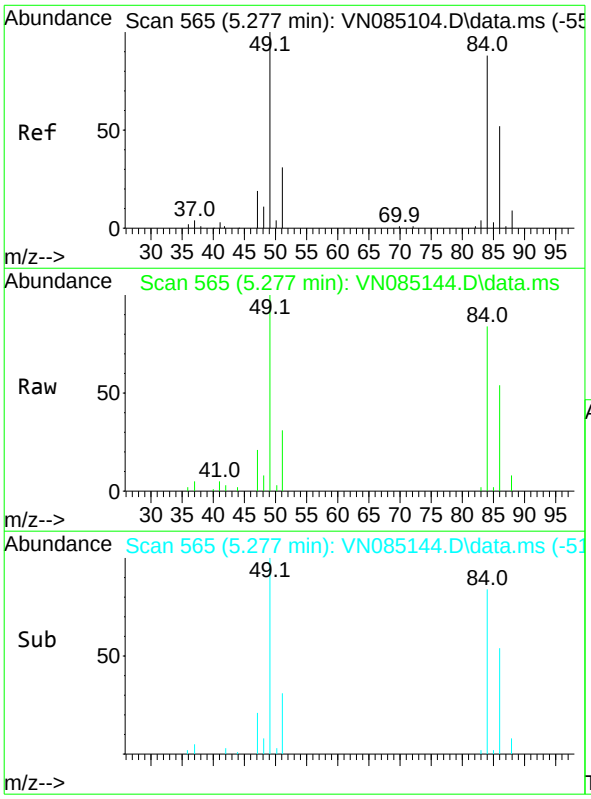
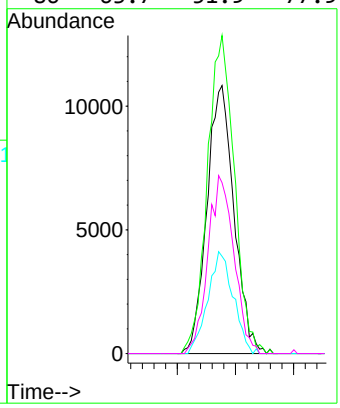
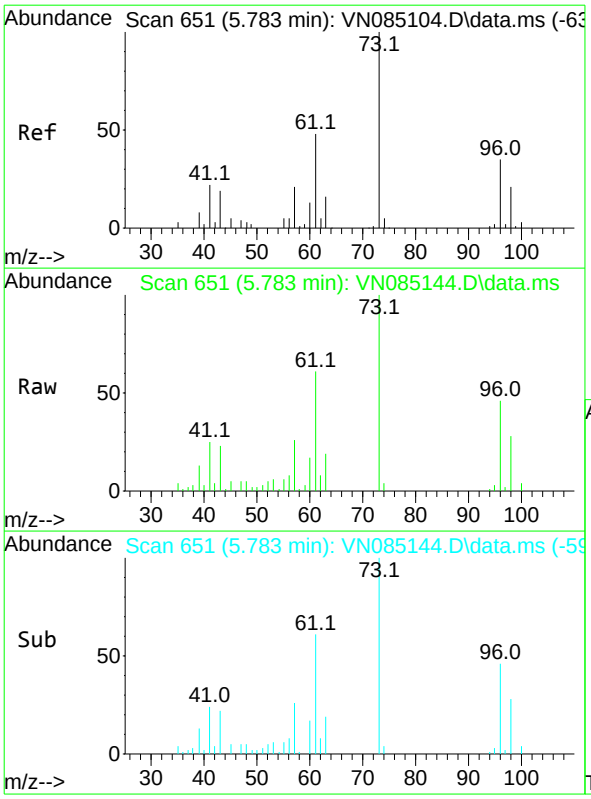


#20
Methylene Chloride
Concen: 16.990 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.012 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 84 Resp: 35121

Ion	Ratio	Lower	Upper
84	100		
49	118.7	92.7	139.1
51	36.3	29.4	44.2
86	63.7	51.9	77.9

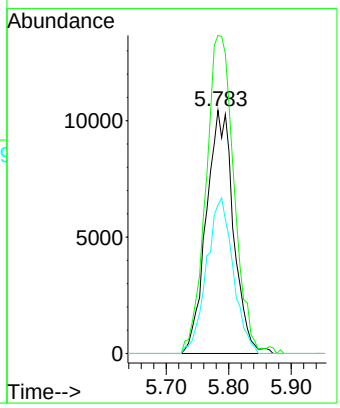




#21
trans-1,2-Dichloroethene
Concen: 17.327 ug/l
RT: 5.783 min Scan# 65
Delta R.T. 0.012 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 96 Resp: 31602

Ion	Ratio	Lower	Upper
96	100		
61	130.9	100.7	151.1
98	61.1	45.8	68.6



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

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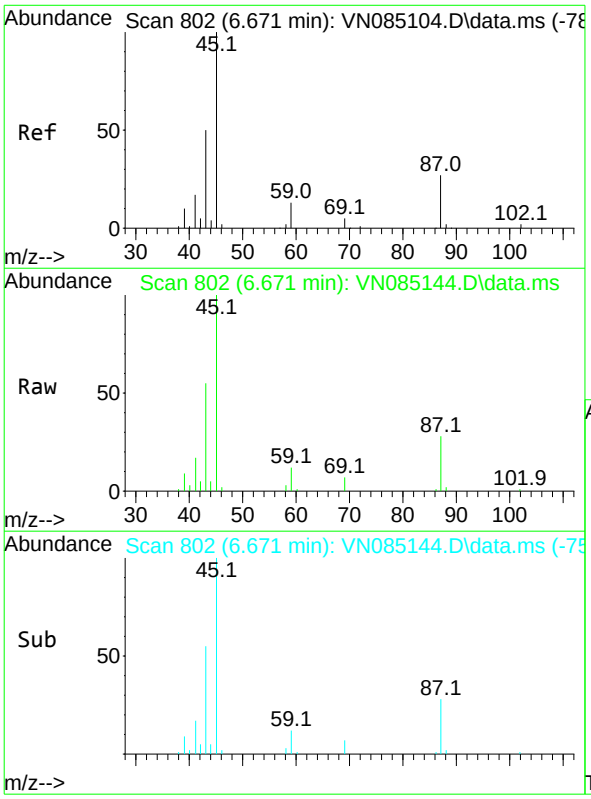
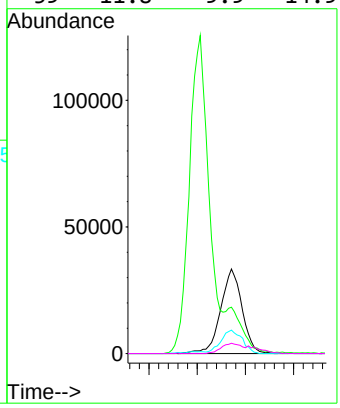
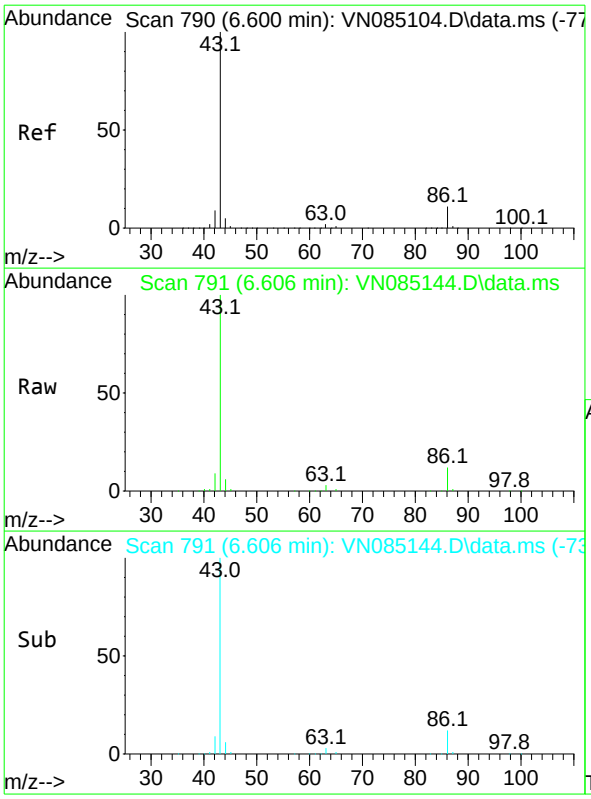


#22
Diisopropyl ether
Concen: 17.523 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 45 Resp: 103043

Ion	Ratio	Lower	Upper
45	100		
43	53.1	42.7	64.1
87	27.8	22.6	34.0
59	11.8	9.9	14.9

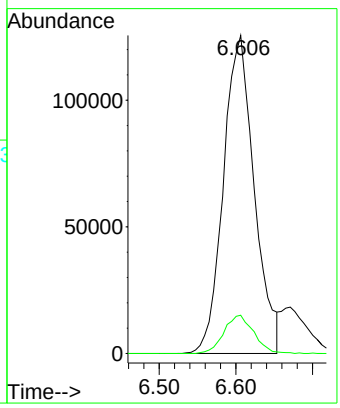




#23
Vinyl Acetate
Concen: 86.565 ug/l
RT: 6.606 min Scan# 79
Delta R.T. 0.012 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 43 Resp: 351180

Ion	Ratio	Lower	Upper
43	100		
86	12.0	8.9	13.3



Instrument :
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ClientSampleId :
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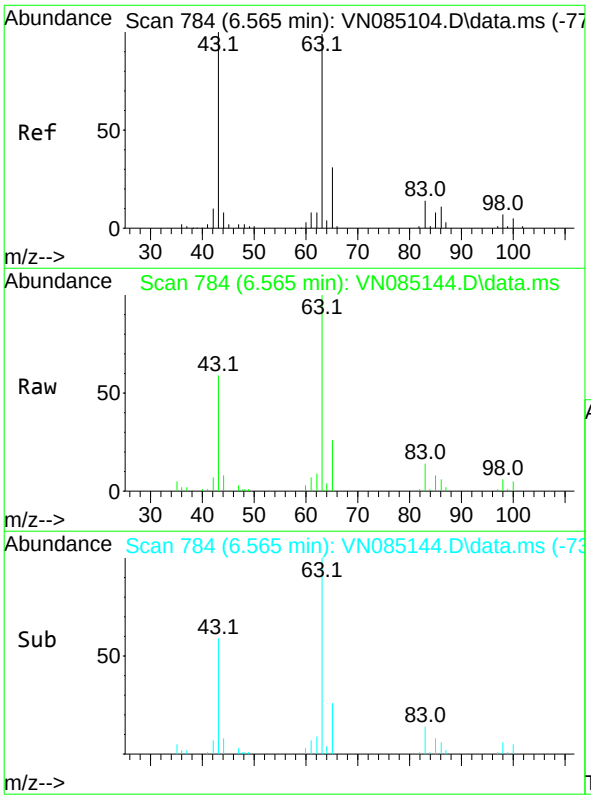
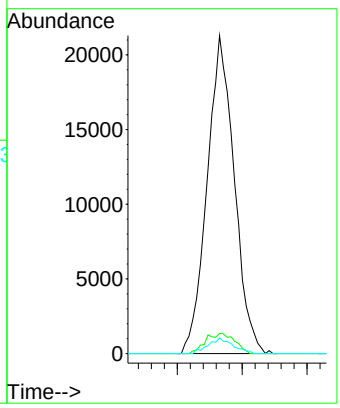
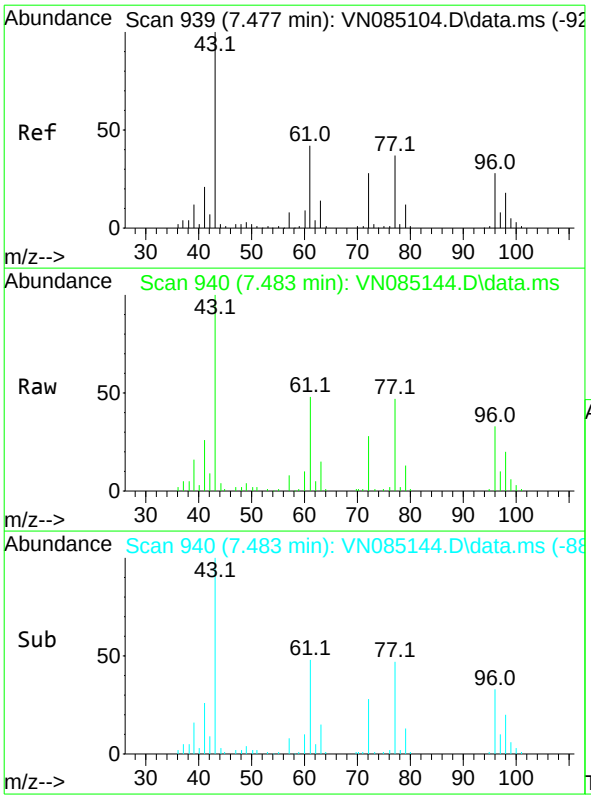


#24
1,1-Dichloroethane
Concen: 17.594 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.012 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 63 Resp: 61913

Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.3	9.8
100	5.0	2.2	6.6

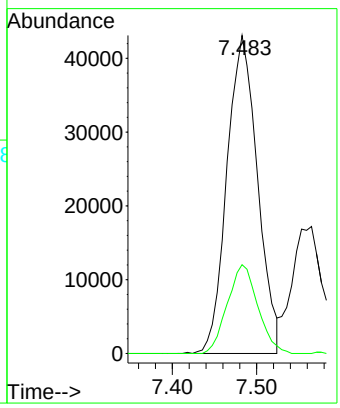




#25
2-Butanone
Concen: 98.232 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 43 Resp: 108793

Ion	Ratio	Lower	Upper
43	100		
72	27.9	21.4	32.0



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

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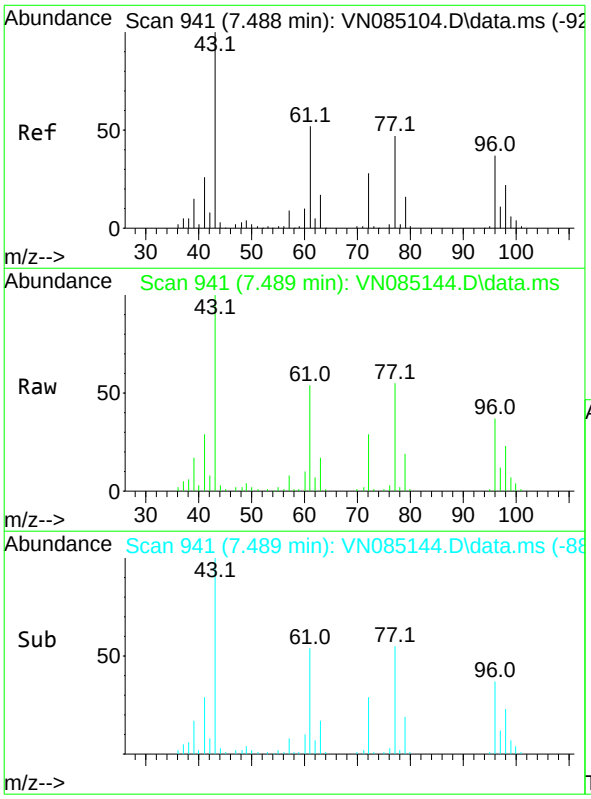
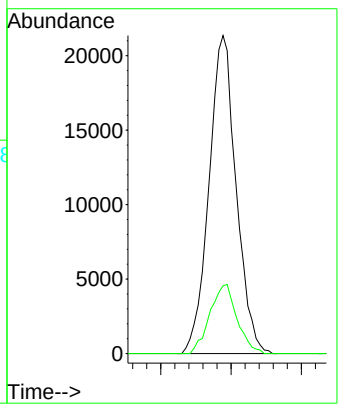
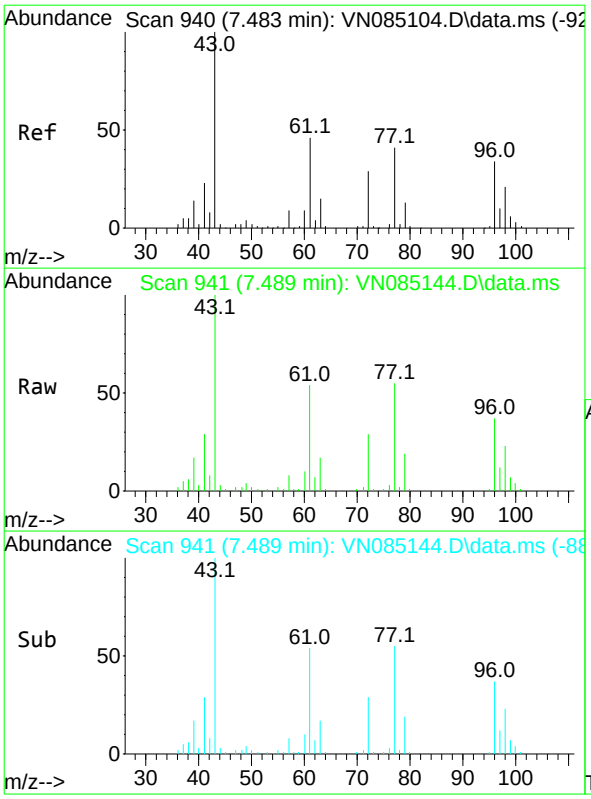


#26
2,2-Dichloropropane
Concen: 17.429 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 77 Resp: 57271

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.9	32.7

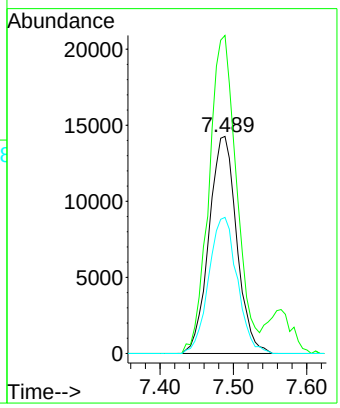




#27
cis-1,2-Dichloroethene
Concen: 17.016 ug/l
RT: 7.489 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 96 Resp: 37413

Ion	Ratio	Lower	Upper
96	100		
61	146.4	0.0	291.6
98	64.7	0.0	129.8



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

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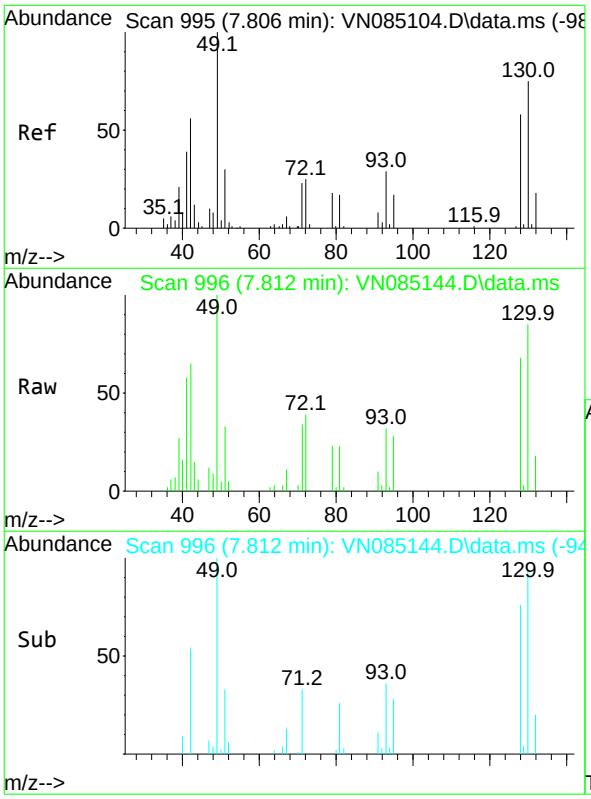
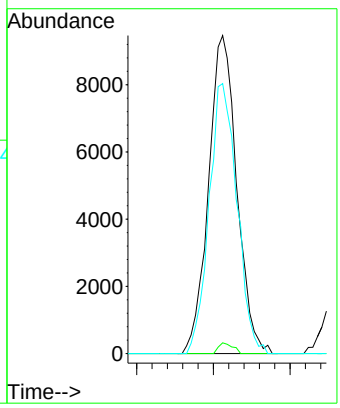
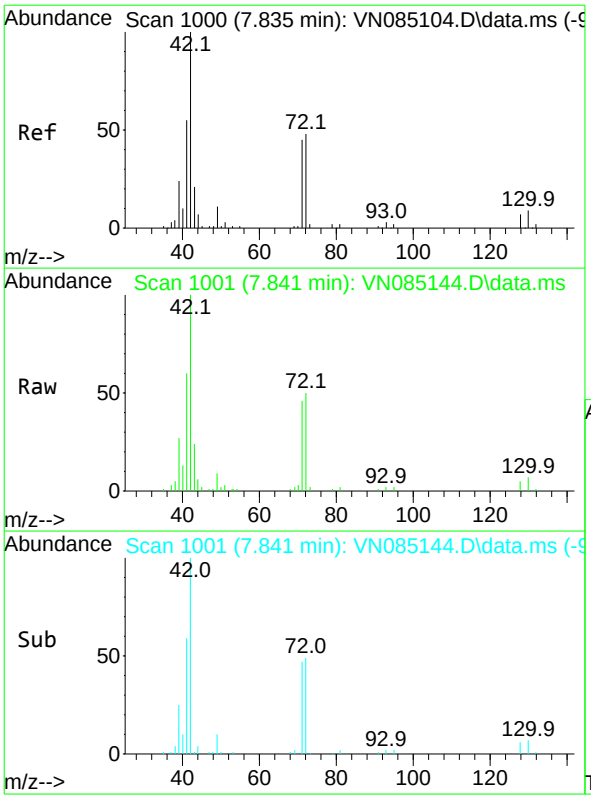


#28
Bromochloromethane
Concen: 18.224 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 49 Resp: 24208

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.0
130	83.8	60.6	90.8

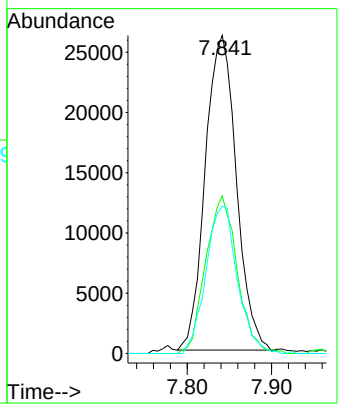




#29
Tetrahydrofuran
Concen: 97.142 ug/l
RT: 7.841 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 42 Resp: 66904

Ion	Ratio	Lower	Upper
42	100		
72	50.7	37.0	55.4
71	47.4	35.0	52.4



Instrument :
MSVOA_N
ClientSampleId :
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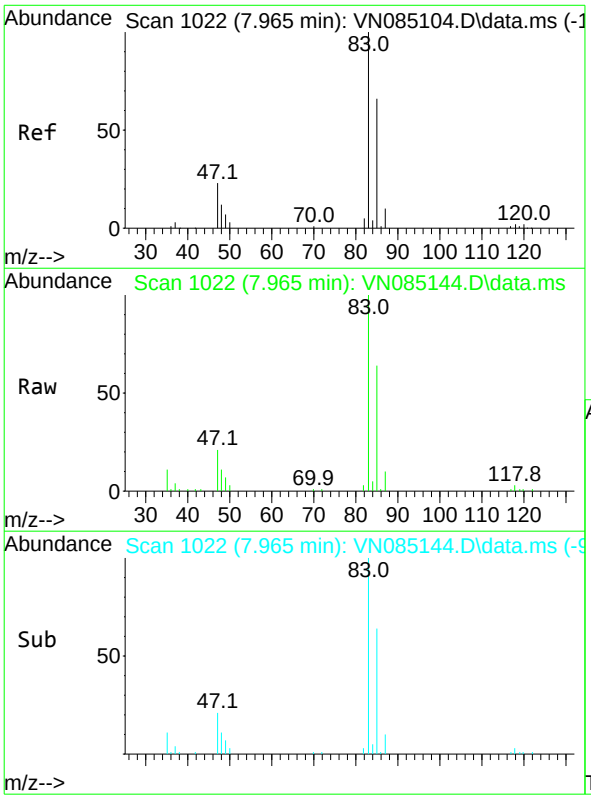
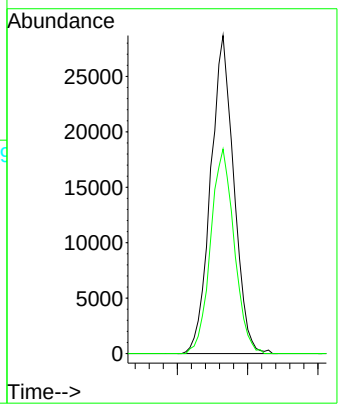
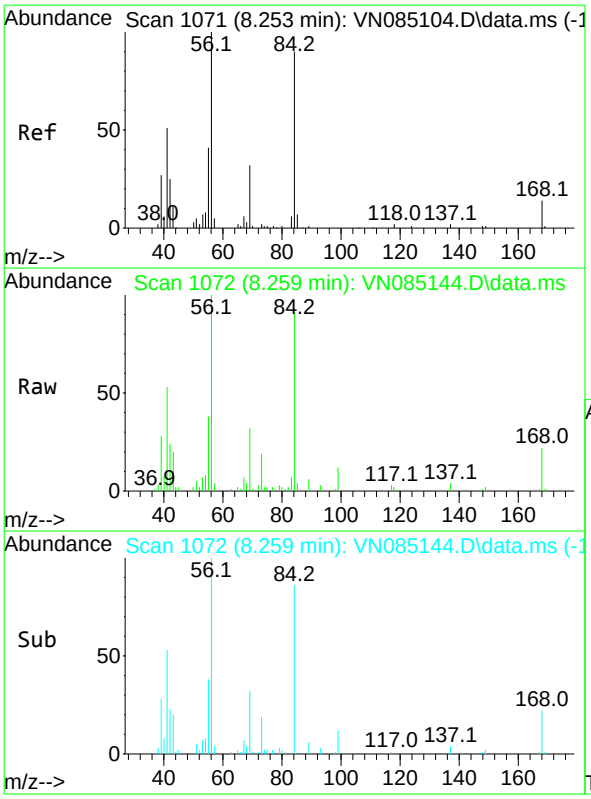


#30
Chloroform
Concen: 17.580 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 83 Resp: 65806

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.6	78.8

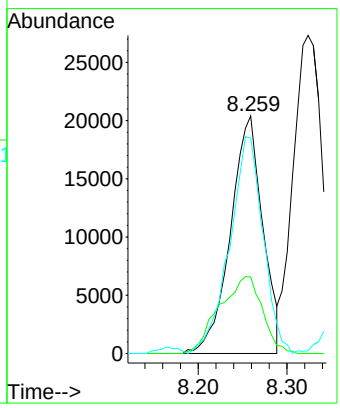




#31
Cyclohexane
Concen: 16.611 ug/l
RT: 8.259 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 56 Resp: 51467

Ion	Ratio	Lower	Upper
56	100		
69	32.2	24.6	36.8
84	88.5	71.4	107.2



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

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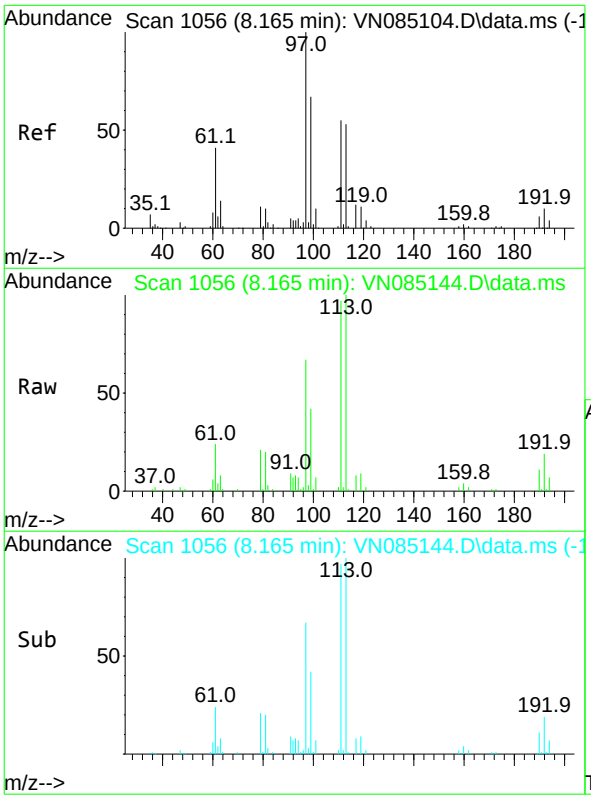
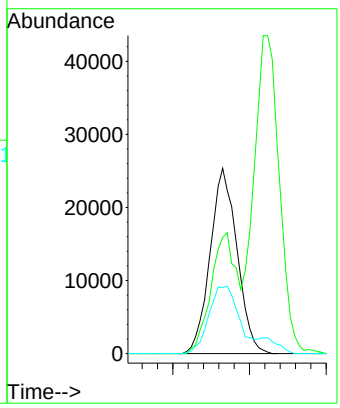
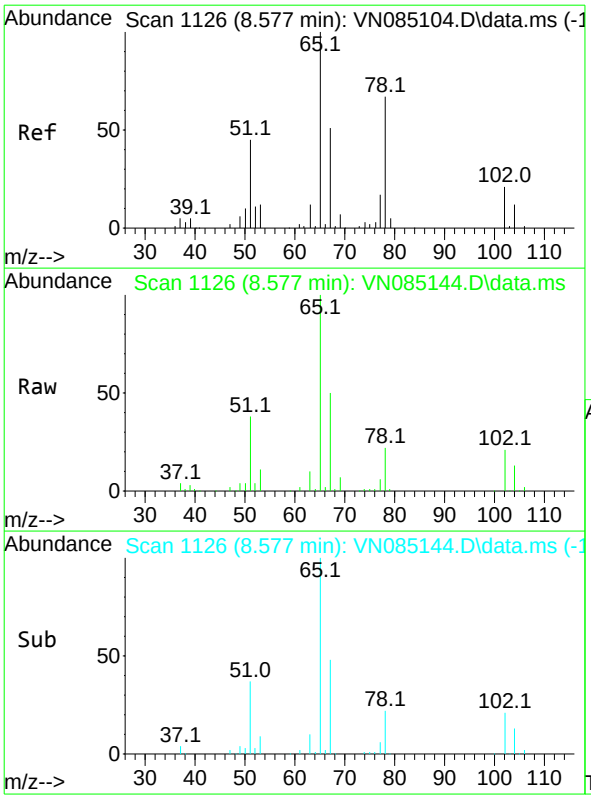


#32
1,1,1-Trichloroethane
Concen: 18.262 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 97 Resp: 61775

Ion	Ratio	Lower	Upper
97	100		
99	61.8	51.0	76.4
61	40.7	36.2	54.2





#33
1,2-Dichloroethane-d4
Concen: 45.770 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 65 Resp: 106459

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	105.0

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

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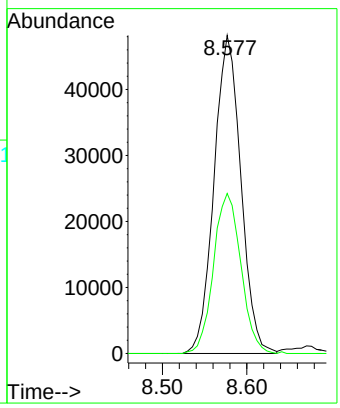
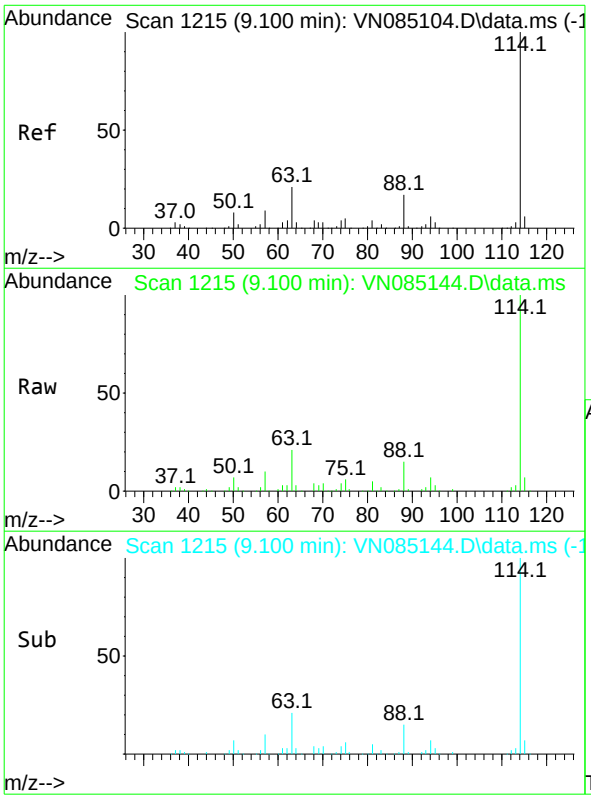
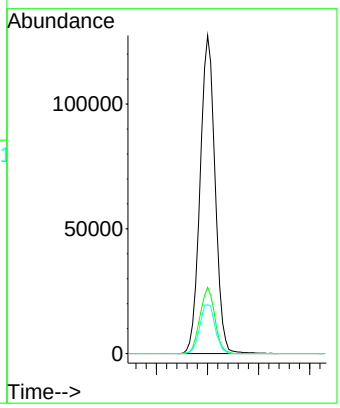


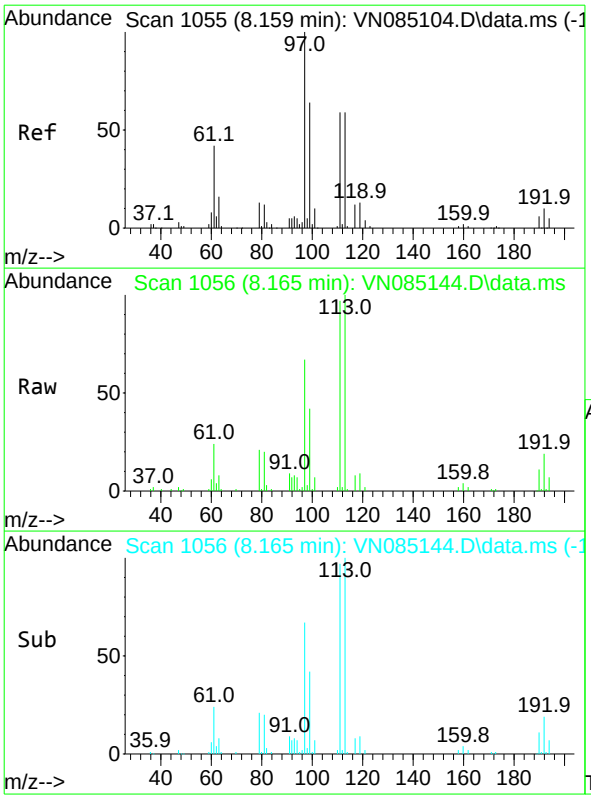


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:114 Resp: 259546

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	41.0
88	15.3	0.0	34.8

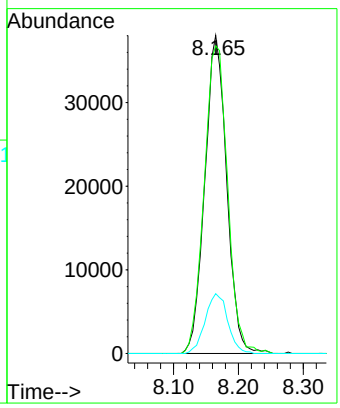




#35
Dibromofluoromethane
Concen: 50.875 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:113 Resp: 89046

Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.0	123.0
192	19.4	14.8	22.2



Instrument :
MSVOA_N
ClientSampleId :
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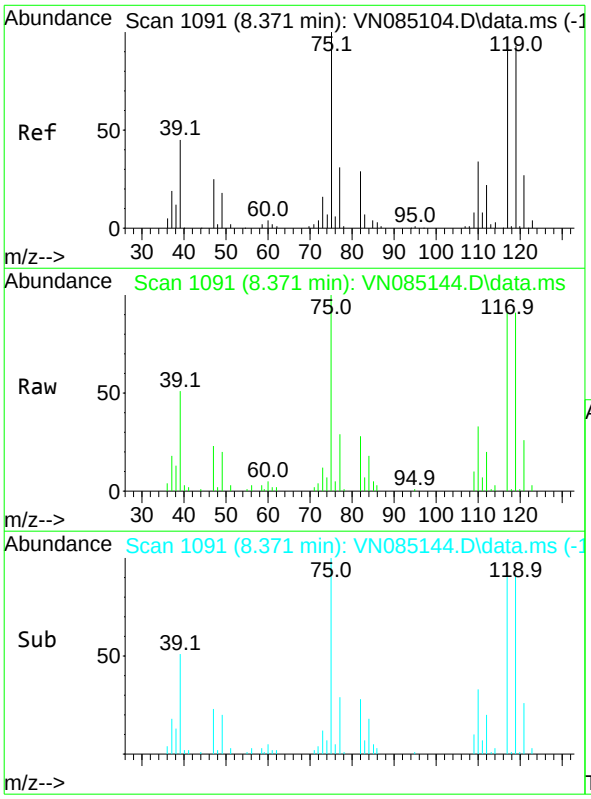
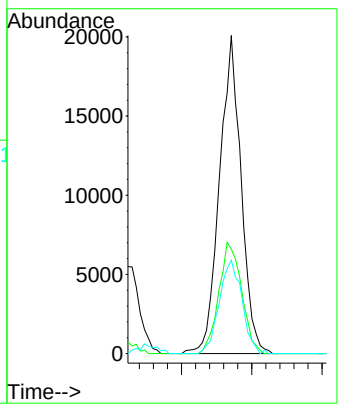
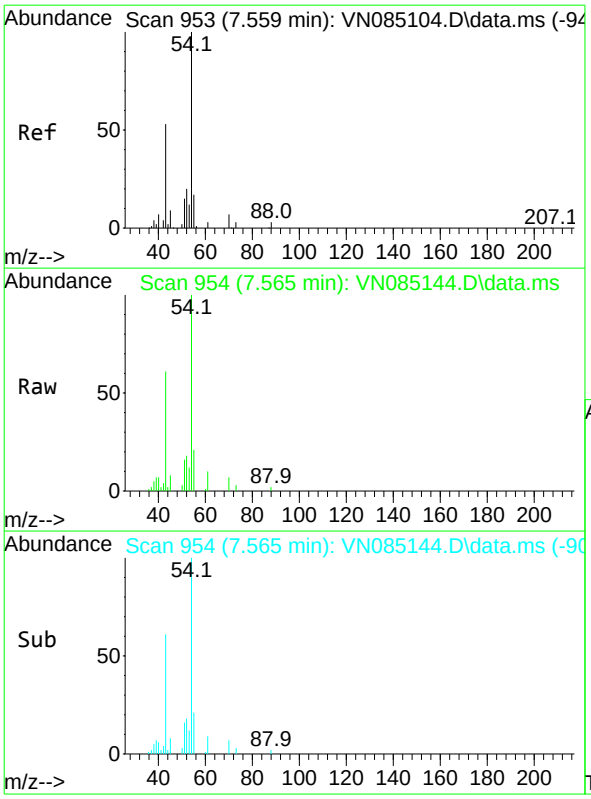


#36
1,1-Dichloropropene
Concen: 18.075 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 75 Resp: 42851

Ion	Ratio	Lower	Upper
75	100		
110	36.9	17.2	51.6
77	30.8	24.2	36.4





#37
Ethyl Acetate
Concen: 19.744 ug/l
RT: 7.565 min Scan# 95
Delta R.T. 0.012 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 43 Resp: 42554

Ion	Ratio	Lower	Upper
43	100		
61	16.0	11.7	17.5
70	11.6	9.3	13.9

Instrument :
MSVOA_N
ClientSampleId :
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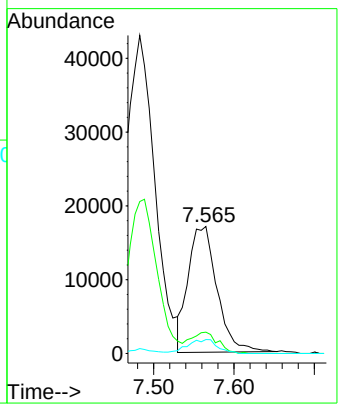
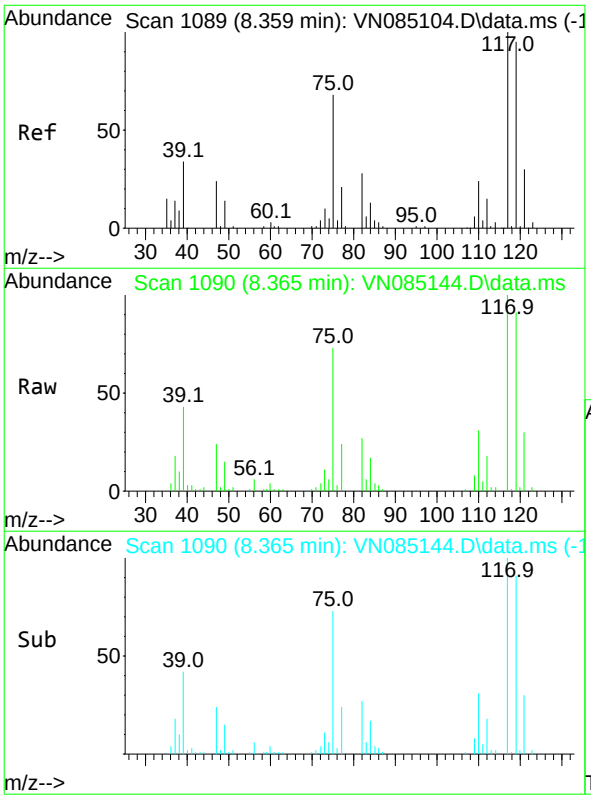
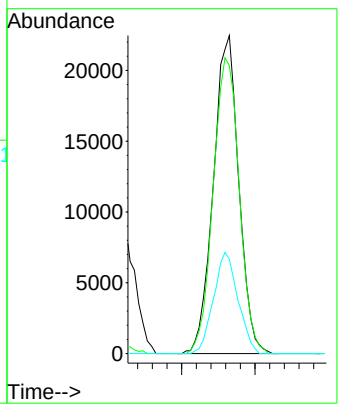


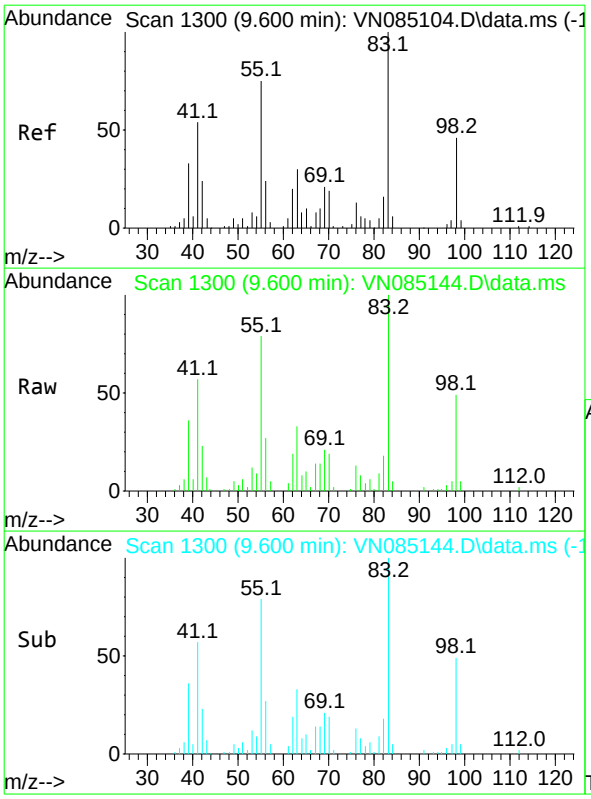


#38
Carbon Tetrachloride
Concen: 19.750 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.012 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:117 Resp: 54048

Ion	Ratio	Lower	Upper
117	100		
119	90.5	78.6	117.8
121	29.7	24.2	36.2

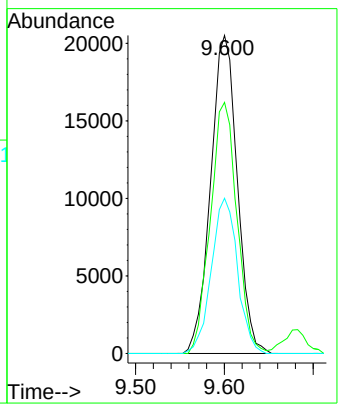




#39
Methylcyclohexane
Concen: 17.347 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 83 Resp: 42735

Ion	Ratio	Lower	Upper
83	100		
55	79.0	61.8	92.6
98	48.8	37.0	55.6



Instrument :
MSVOA_N
ClientSampleId :
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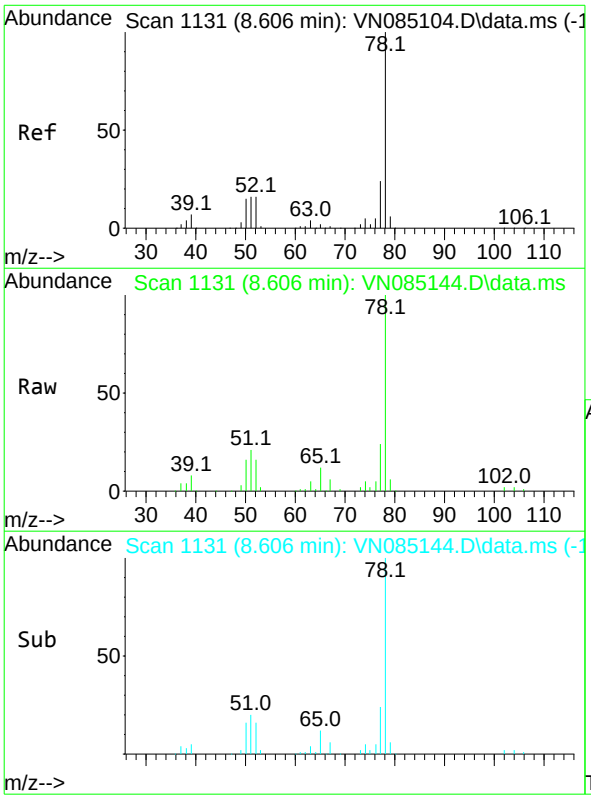
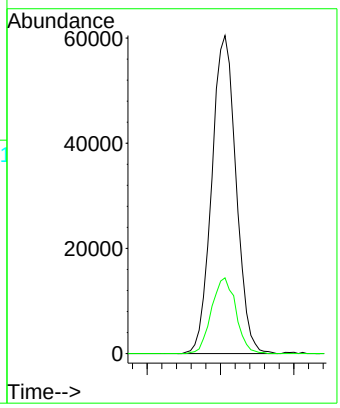
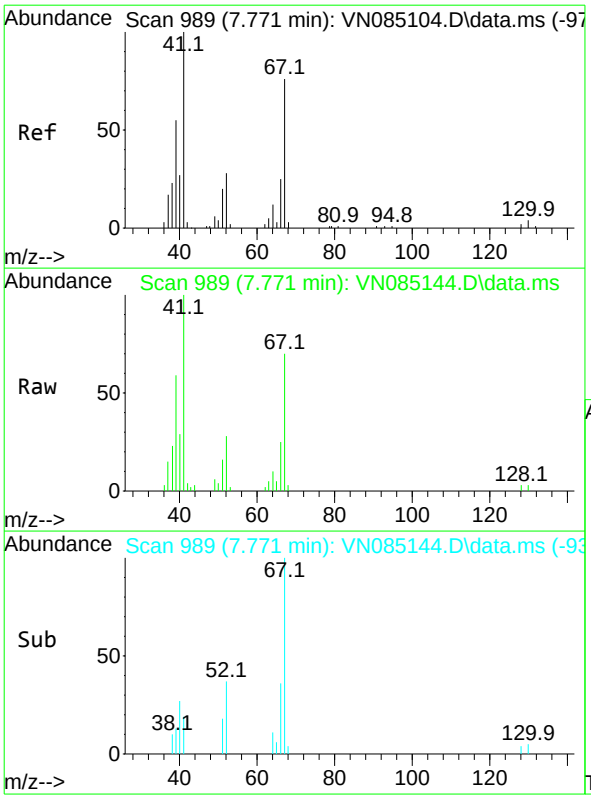


#40
Benzene
Concen: 18.573 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 78 Resp: 139262

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.5	27.7

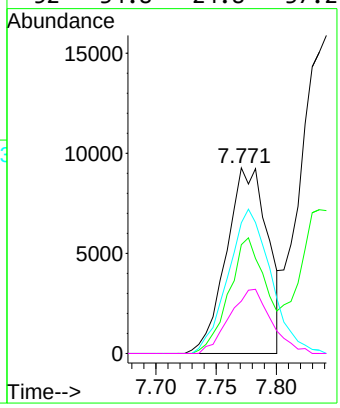




#41
Methacrylonitrile
Concen: 18.646 ug/l
RT: 7.771 min Scan# 98
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 41 Resp: 22251

Ion	Ratio	Lower	Upper
41	100		
39	55.1	42.6	63.8
67	80.1	59.9	89.9
52	34.8	24.8	37.2



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

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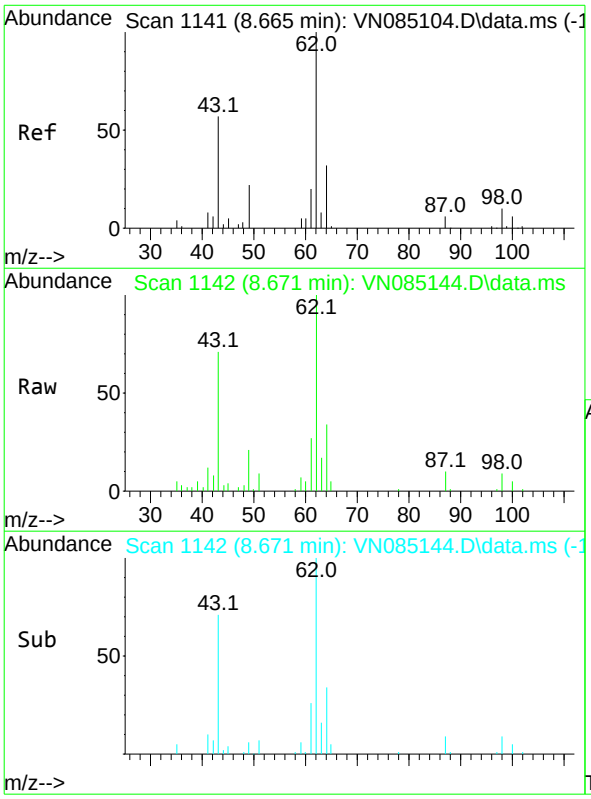
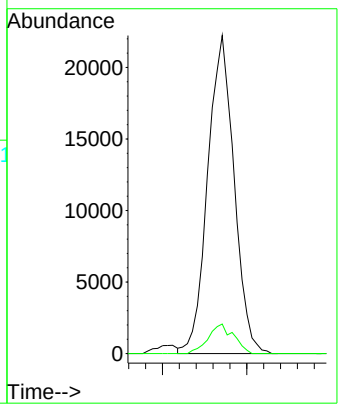
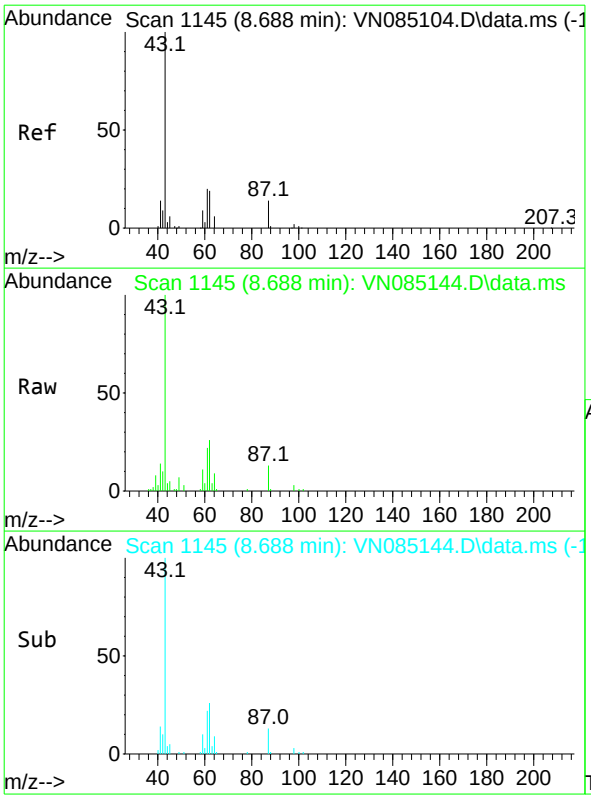


#42
1,2-Dichloroethane
Concen: 18.845 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 62 Resp: 48342

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.2

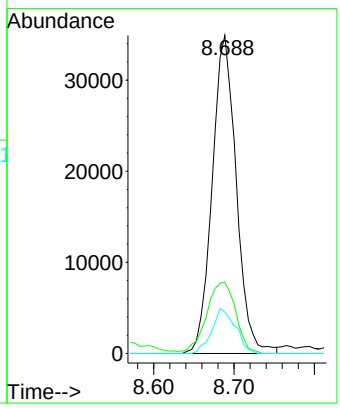




#43
Isopropyl Acetate
Concen: 16.245 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 43 Resp: 72727

Ion	Ratio	Lower	Upper
43	100		
61	27.3	20.6	30.8
87	13.9	11.0	16.4



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

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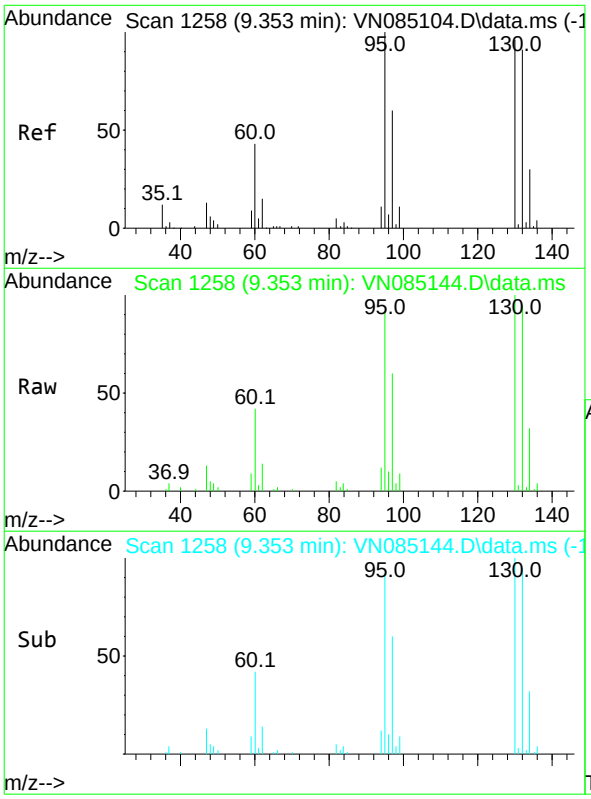
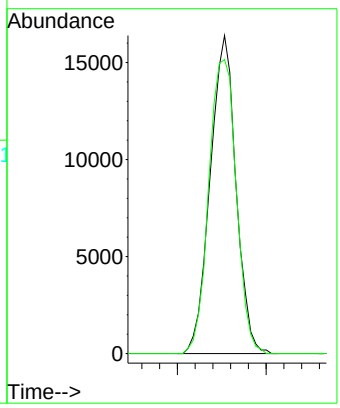
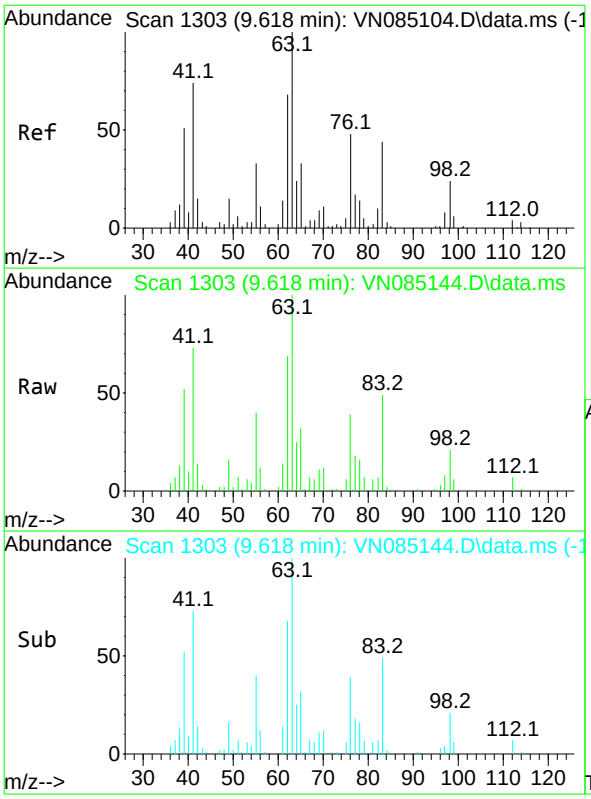


#44
Trichloroethene
Concen: 19.010 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:130 Resp: 33126

Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	213.4

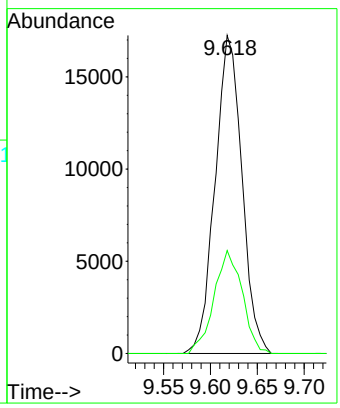




#45
1,2-Dichloropropane
Concen: 18.593 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 63 Resp: 34338

Ion	Ratio	Lower	Upper
63	100		
65	32.4	24.0	36.0



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

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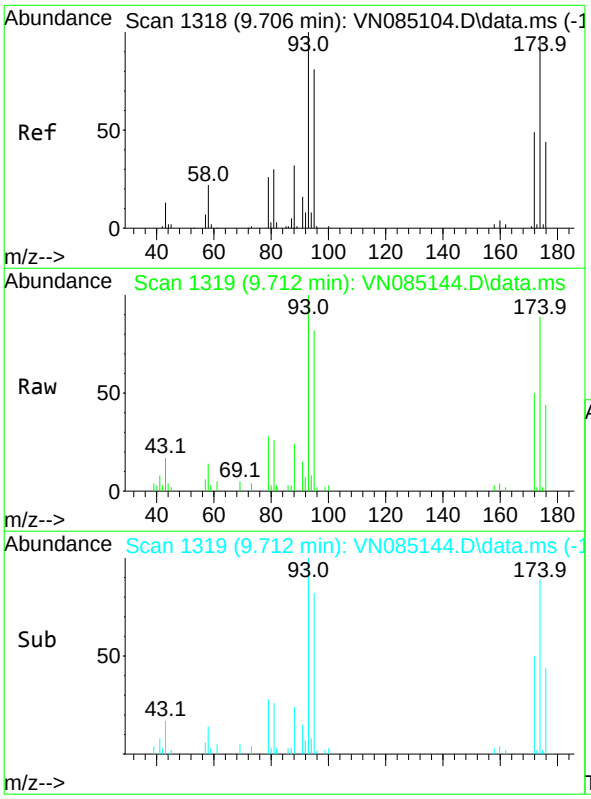
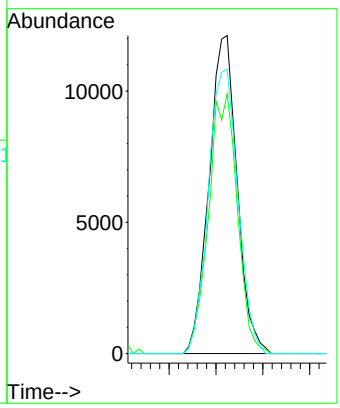
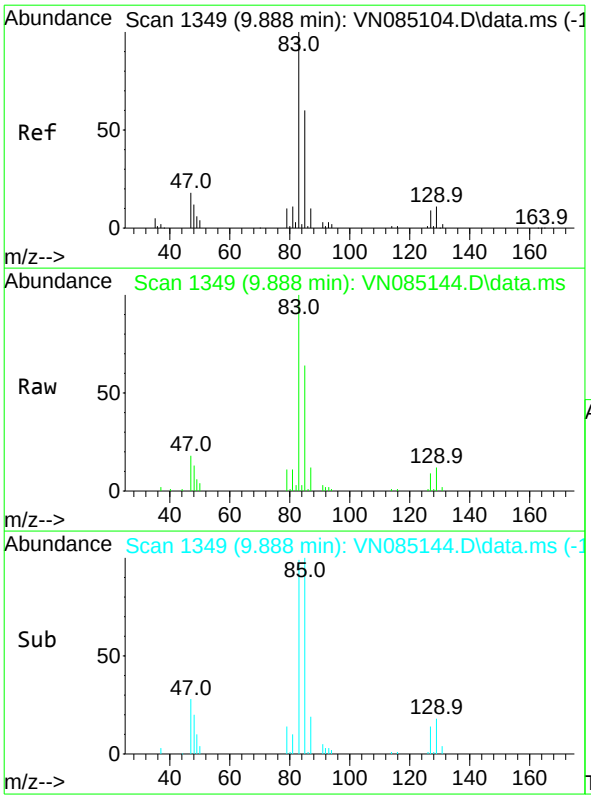


#46
Dibromomethane
Concen: 19.674 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 93 Resp: 25247

Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.2	99.4
174	94.2	74.9	112.3

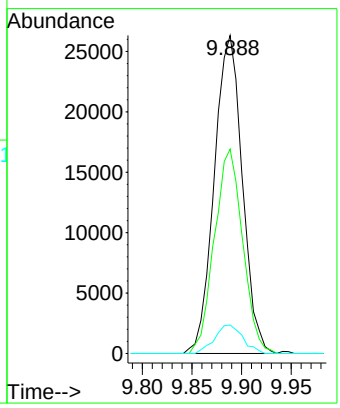




#47
Bromodichloromethane
Concen: 19.002 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 83 Resp: 51682

Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.5	75.7
127	9.0	7.1	10.7



Instrument :
MSVOA_N
ClientSampleId :
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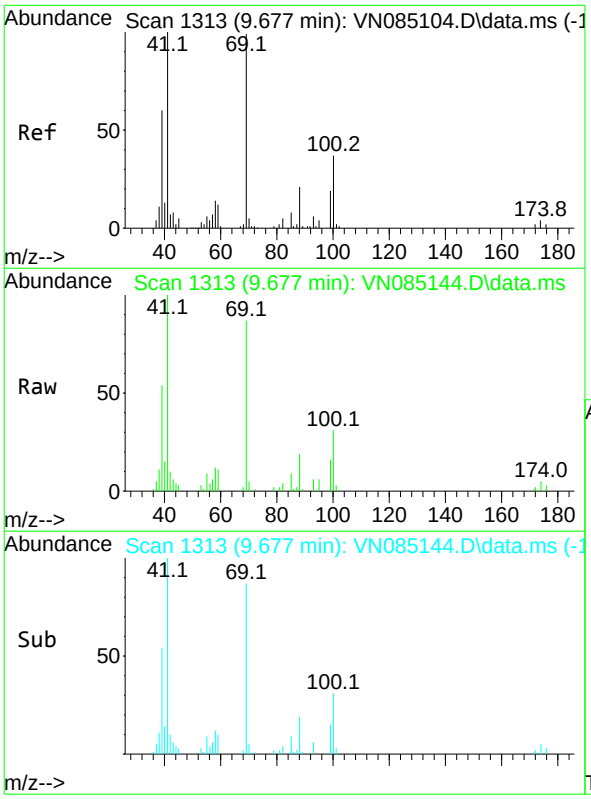
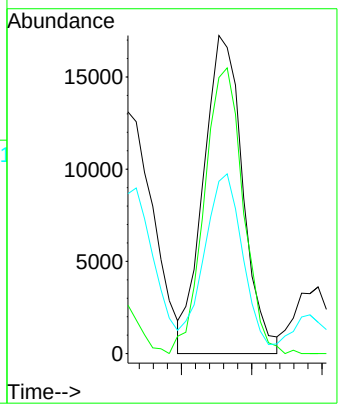
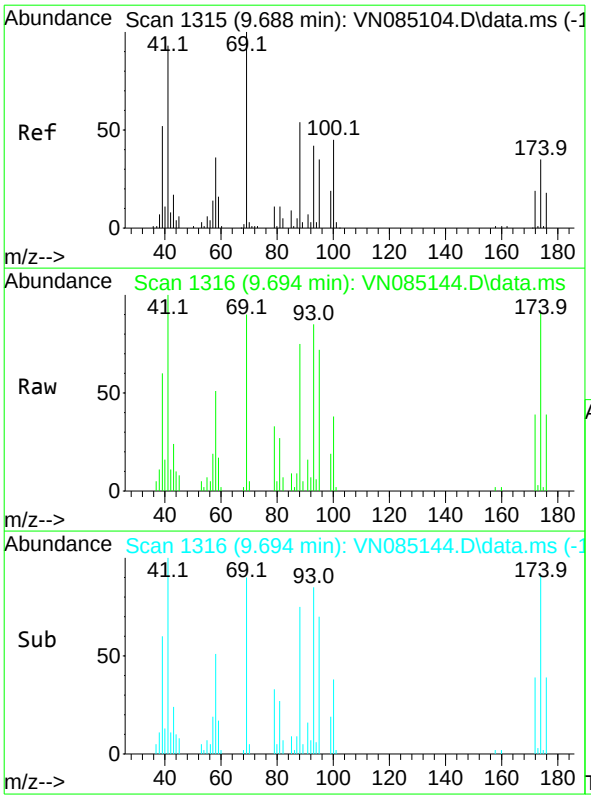


#48
Methyl methacrylate
Concen: 20.109 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 41 Resp: 33500

Ion	Ratio	Lower	Upper
41	100		
69	88.5	73.2	109.8
39	56.1	46.2	69.4

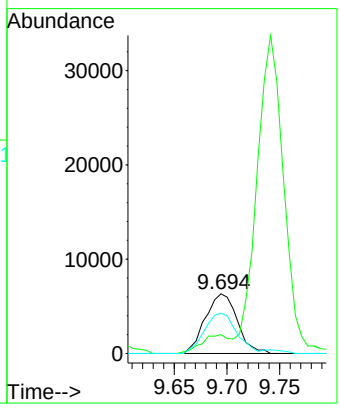




#49
1,4-Dioxane
Concen: 461.086 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 88 Resp: 13321

Ion	Ratio	Lower	Upper
88	100		
43	29.8	16.7	25.1#
58	69.0	56.5	84.7



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

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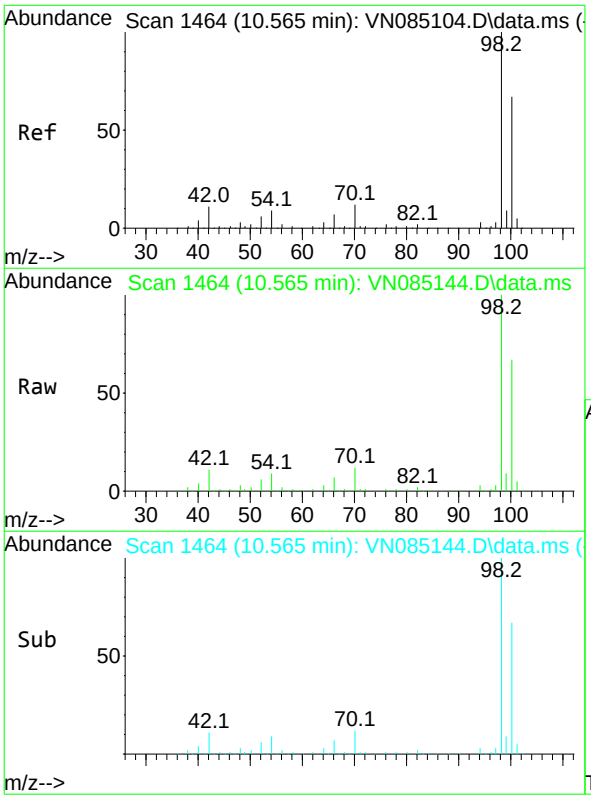
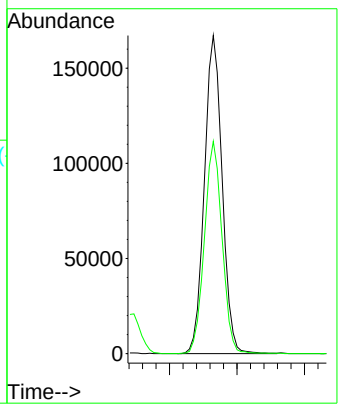
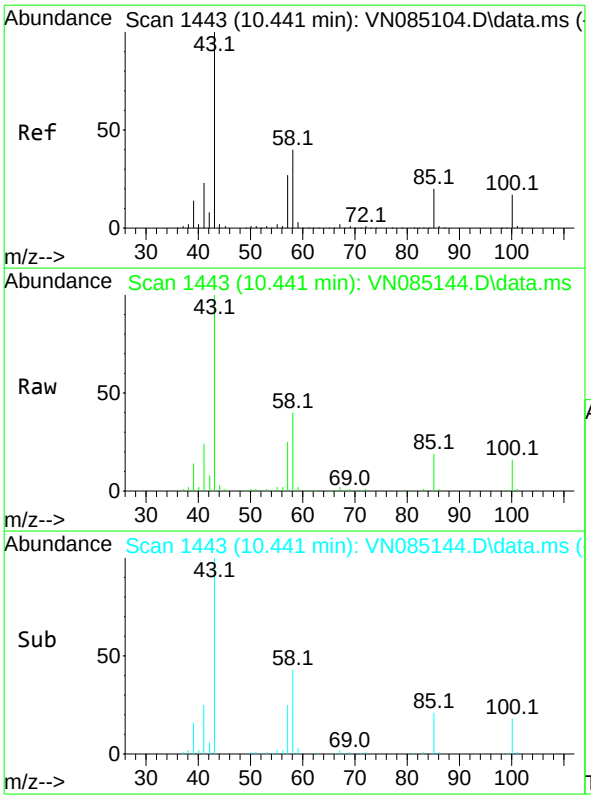


#50
Toluene-d8
Concen: 48.643 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 98 Resp: 305121

Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.5	78.7

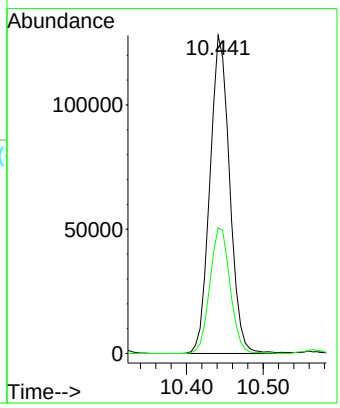




#51
4-Methyl-2-Pentanone
Concen: 111.838 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 43 Resp: 228689

Ion	Ratio	Lower	Upper
43	100		
58	40.5	32.1	48.1



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

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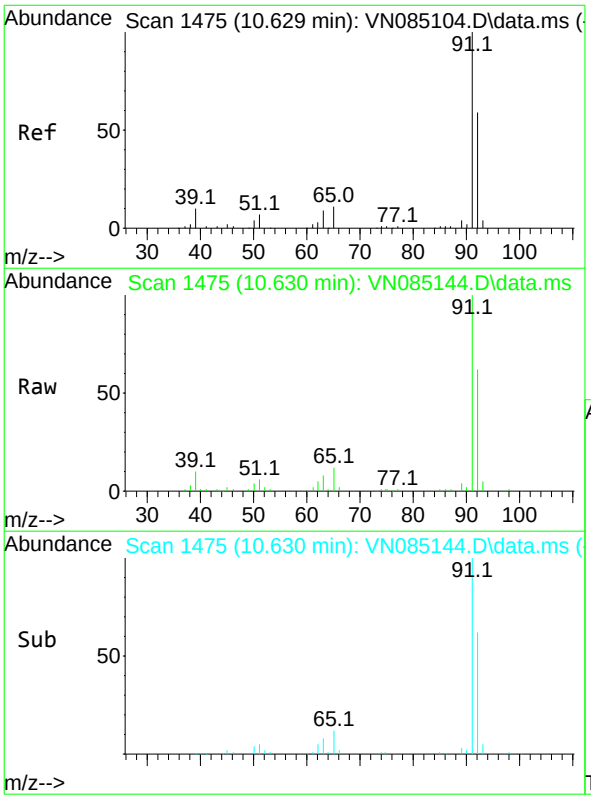
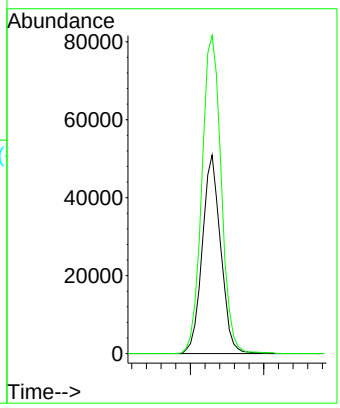
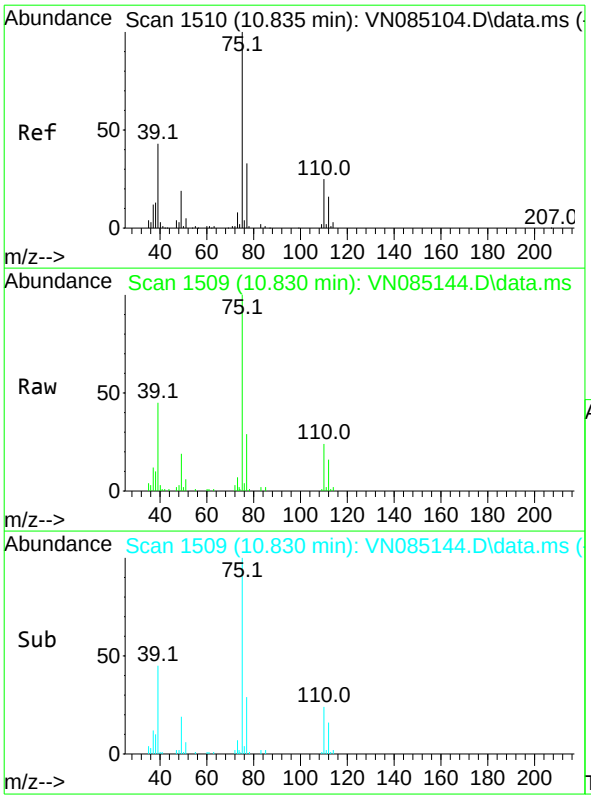


#52
Toluene
Concen: 20.025 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 92 Resp: 88892

Ion	Ratio	Lower	Upper
92	100		
91	168.5	136.7	205.1

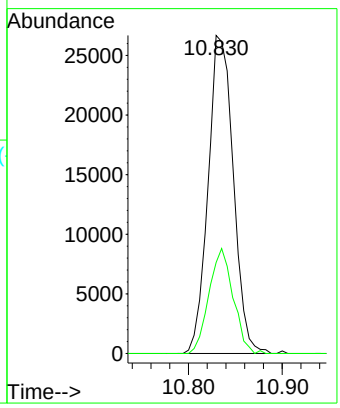




#53
t-1,3-Dichloropropene
Concen: 18.255 ug/l
RT: 10.830 min Scan# 15
Delta R.T. -0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 75 Resp: 49777

Ion	Ratio	Lower	Upper
75	100		
77	28.6	25.0	37.4



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

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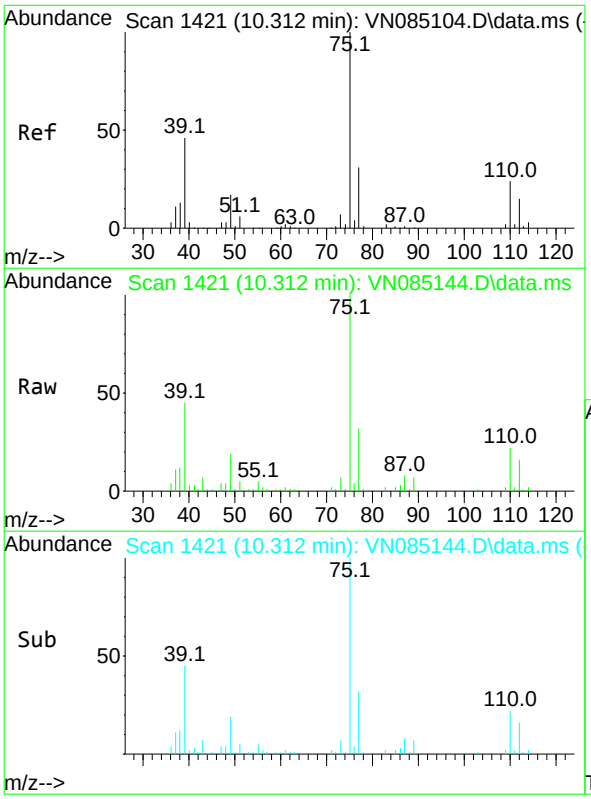
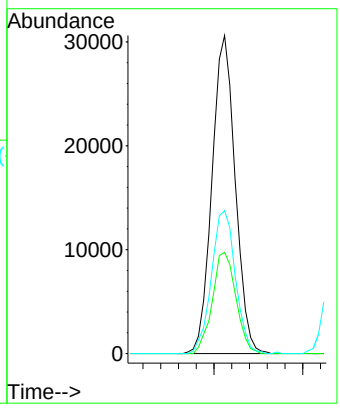
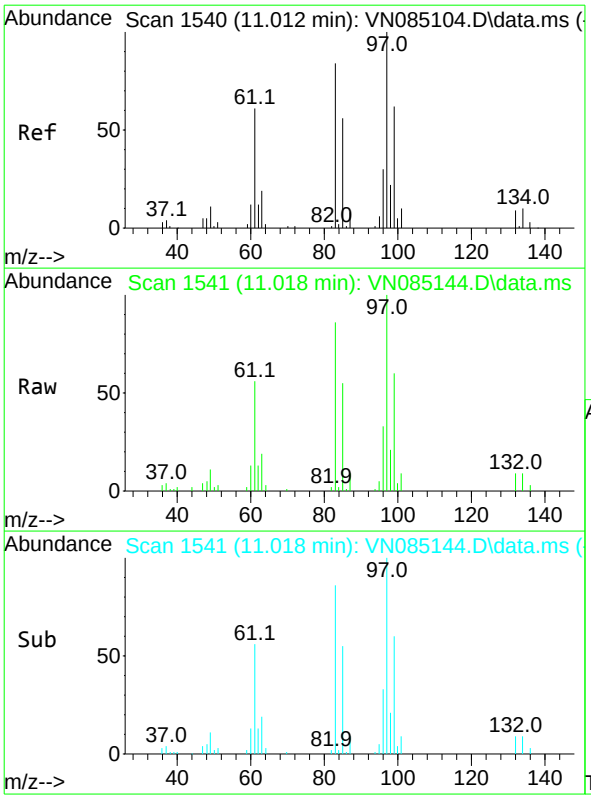


#54
cis-1,3-Dichloropropene
Concen: 19.228 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 75 Resp: 55624

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.0	37.4
39	44.9	37.6	56.4

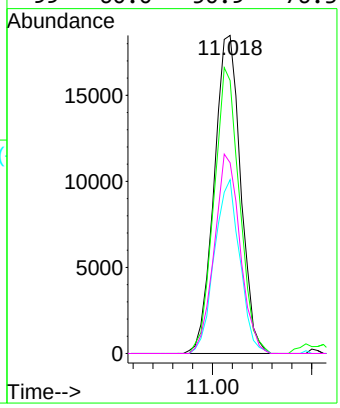




#55
1,1,2-Trichloroethane
Concen: 20.727 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 97 Resp: 34271

Ion	Ratio	Lower	Upper
97	100		
83	85.8	67.4	101.2
85	54.6	43.1	64.7
99	60.0	50.9	76.3



Instrument :
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ClientSampleId :
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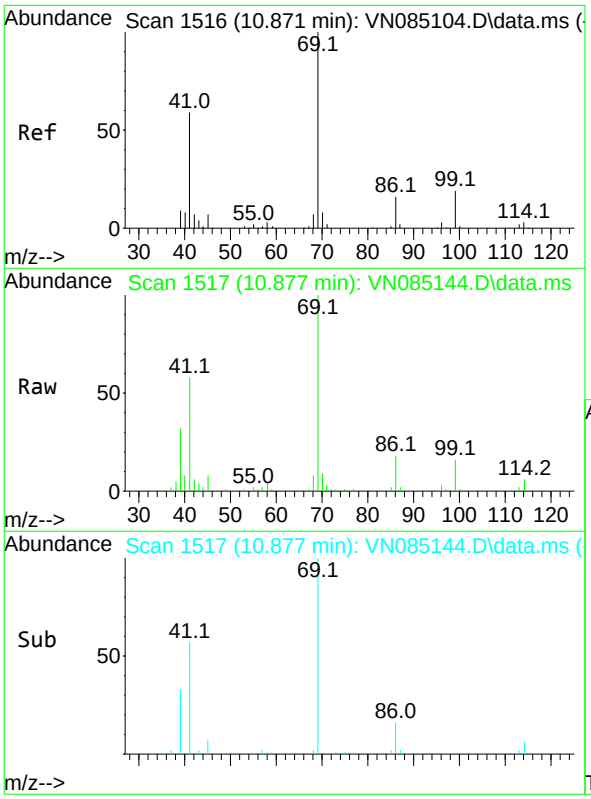
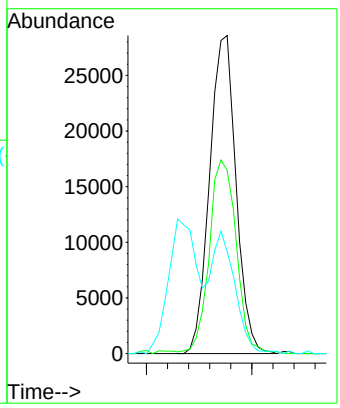
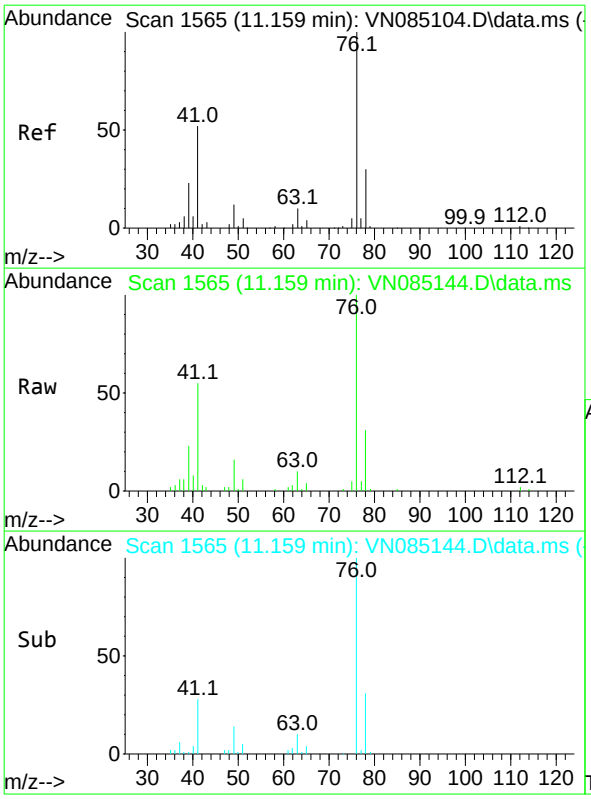


#56
Ethyl methacrylate
Concen: 20.617 ug/l
RT: 10.877 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 69 Resp: 49811

Ion	Ratio	Lower	Upper
69	100		
41	62.2	50.0	75.0
39	35.7	27.0	40.6

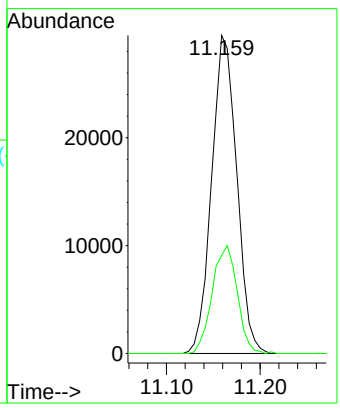




#57
1,3-Dichloropropane
Concen: 18.863 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 76 Resp: 54891

Ion	Ratio	Lower	Upper
76	100		
78	33.9	26.1	39.1



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

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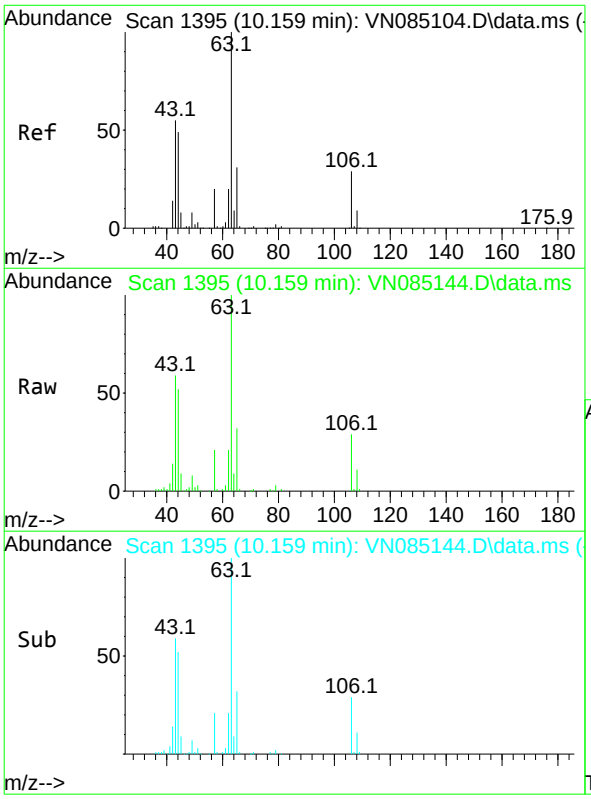
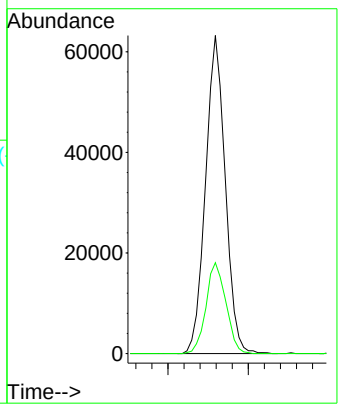
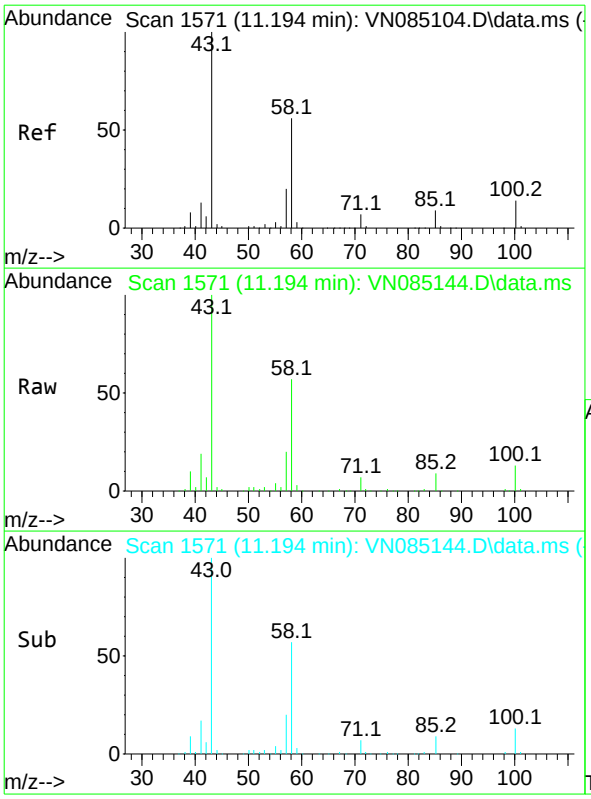


#58
2-Chloroethyl Vinyl ether
Concen: 90.899 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 63 Resp: 107728

Ion	Ratio	Lower	Upper
63	100		
106	28.8	23.0	34.6

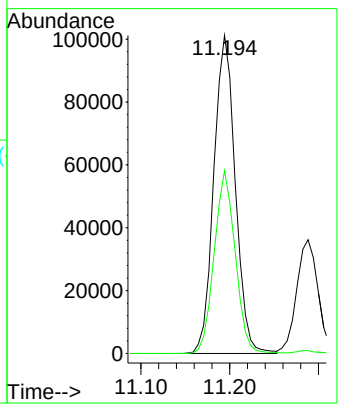




#59
2-Hexanone
Concen: 111.153 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 43 Resp: 169991

Ion	Ratio	Lower	Upper
43	100		
58	56.3	28.3	85.0



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

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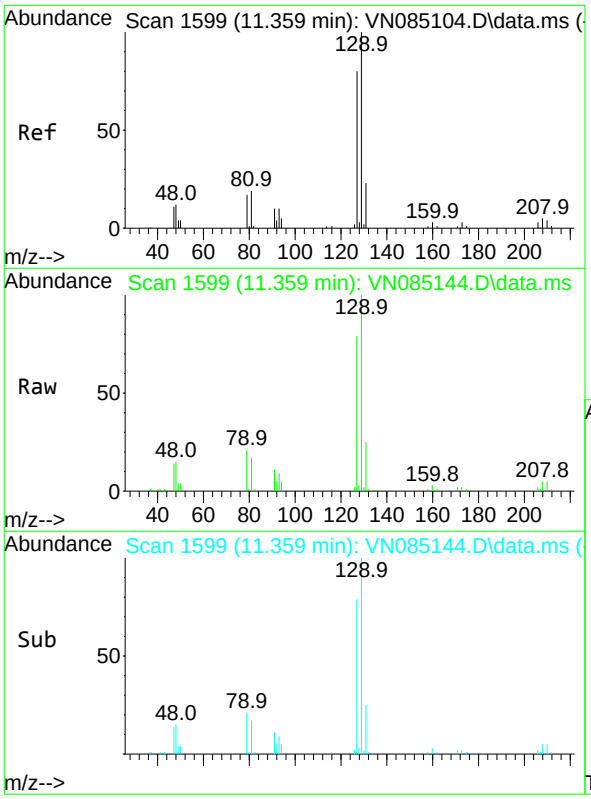
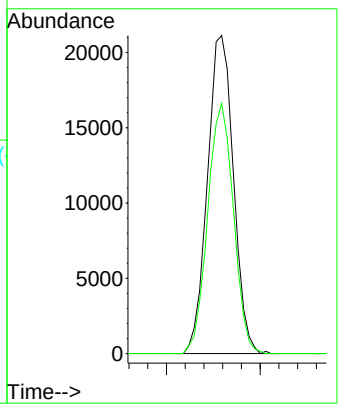
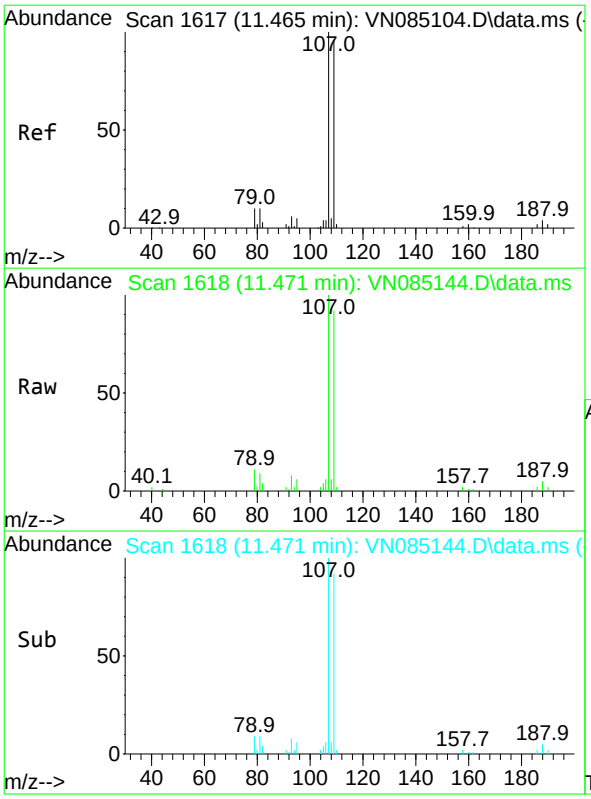


#60
Dibromochloromethane
Concen: 20.181 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:129 Resp: 40779

Ion	Ratio	Lower	Upper
129	100		
127	77.8	39.2	117.6

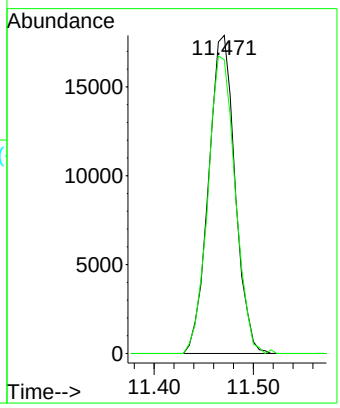




#61
1,2-Dibromoethane
Concen: 19.372 ug/l
RT: 11.471 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:107 Resp: 33148

Ion	Ratio	Lower	Upper
107	100		
109	96.7	76.1	114.1



Instrument :
MSVOA_N
ClientSampleId :
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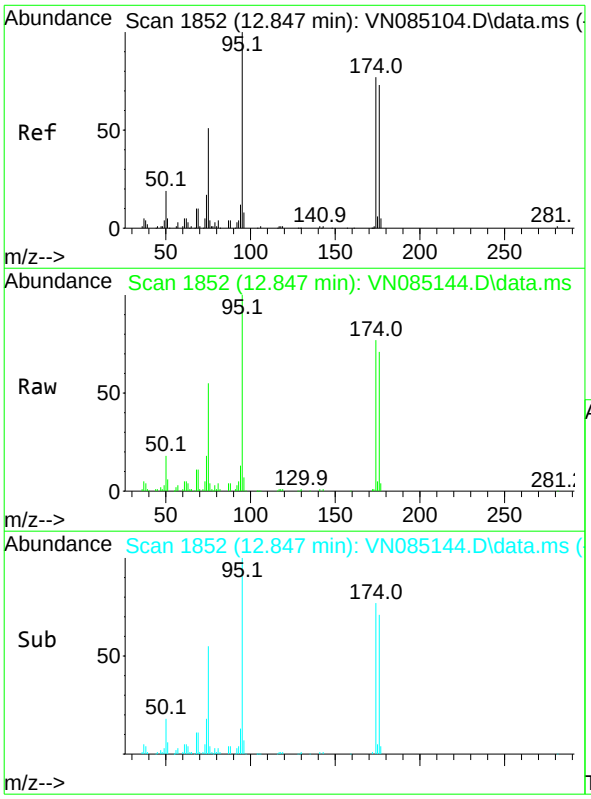
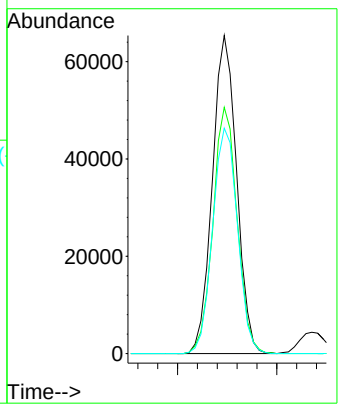
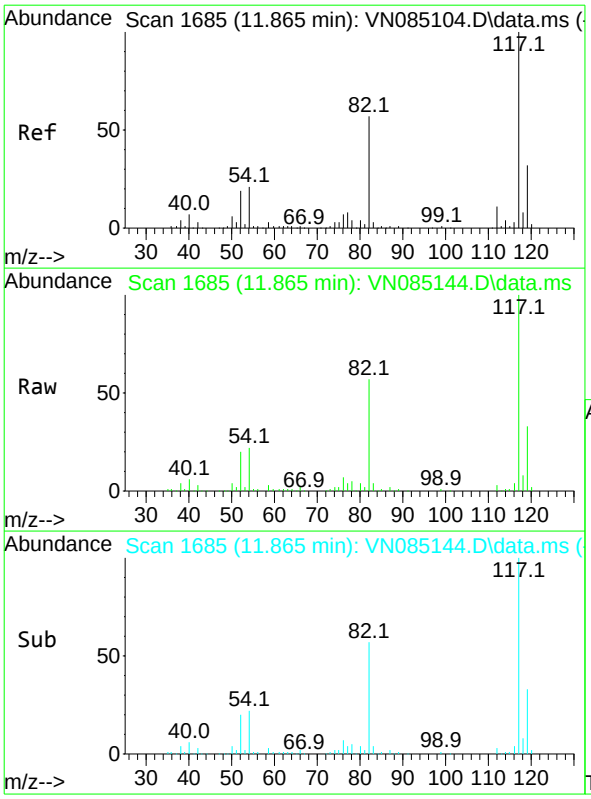


#62
4-Bromofluorobenzene
Concen: 47.272 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 95 Resp: 110888

Ion	Ratio	Lower	Upper
95	100		
174	77.2	0.0	146.6
176	72.7	0.0	141.8

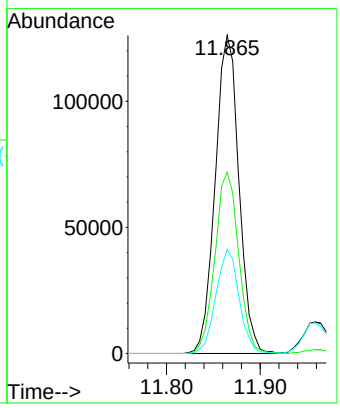




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:117 Resp: 222034

Ion	Ratio	Lower	Upper
117	100		
82	57.0	46.0	69.0
119	32.8	25.6	38.4



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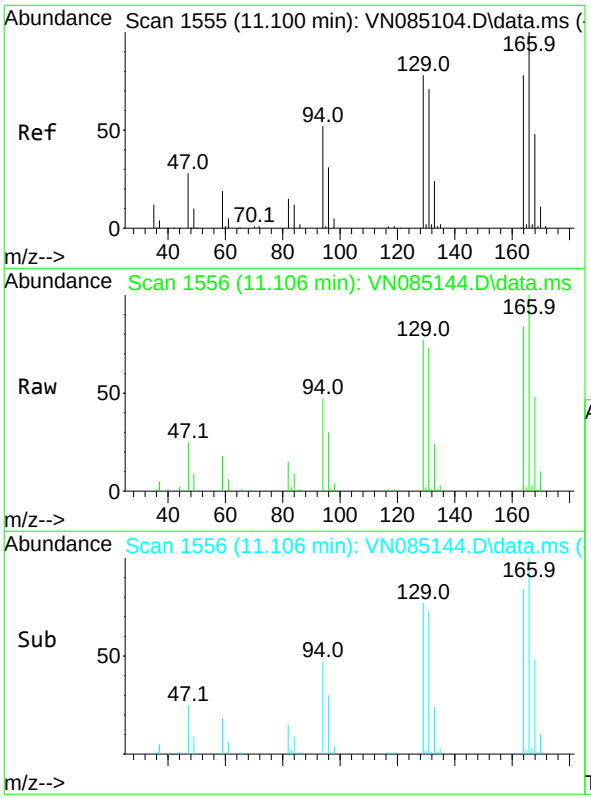
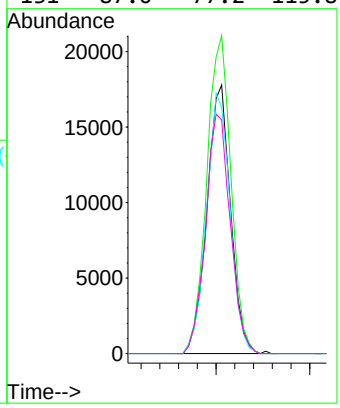
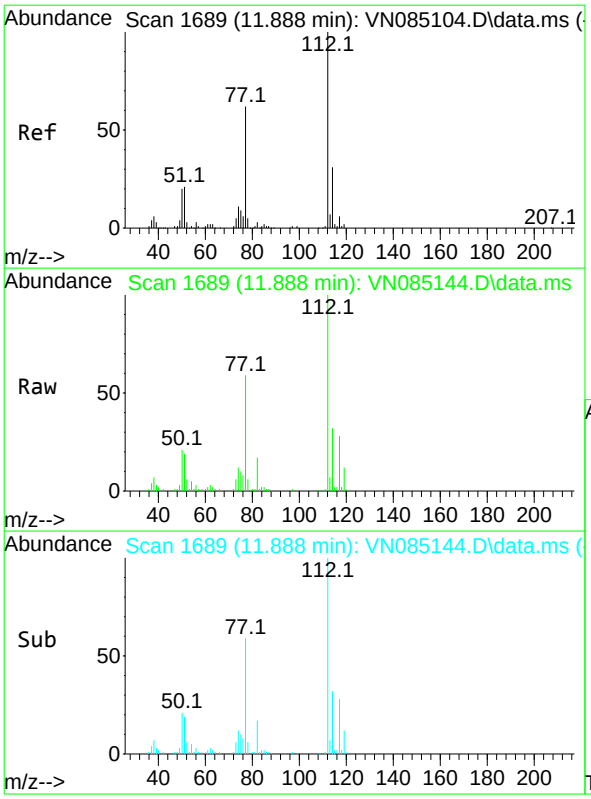


#64
Tetrachloroethene
Concen: 20.769 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:164 Resp: 31073

Ion	Ratio	Lower	Upper
164	100		
166	118.4	100.6	151.0
129	91.6	77.7	116.5
131	87.0	77.2	115.8





#65
Chlorobenzene
Concen: 18.322 ug/l
RT: 11.888 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:112 Resp: 92261

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.8	38.6

Instrument :
MSVOA_N
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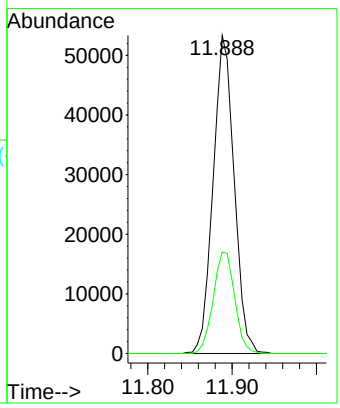
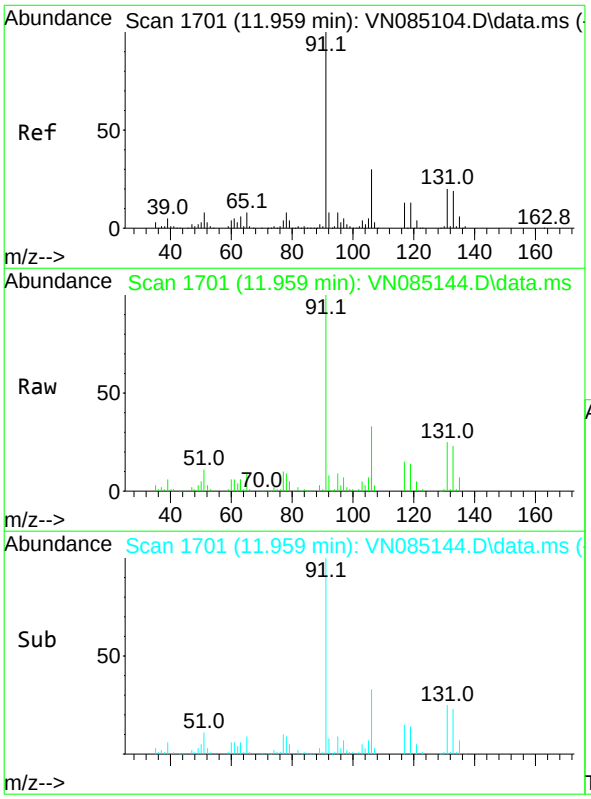
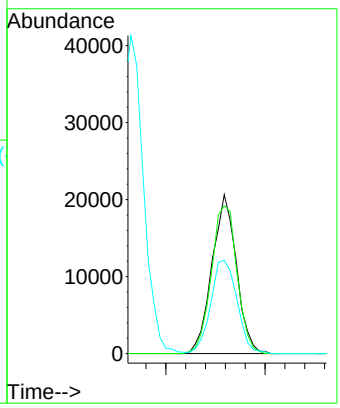


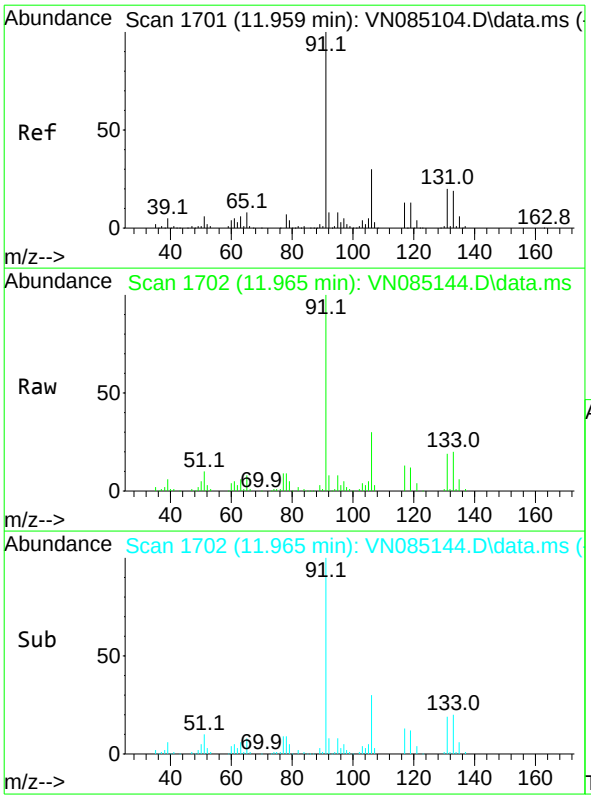


#66
1,1,1,2-Tetrachloroethane
Concen: 19.936 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:131 Resp: 35345

Ion	Ratio	Lower	Upper
131	100		
133	97.7	47.8	143.4
119	63.1	32.1	96.3

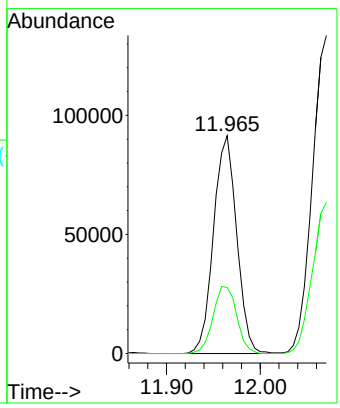




#67
Ethyl Benzene
Concen: 19.210 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 91 Resp: 156939

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.7	37.1



Instrument :
MSVOA_N
ClientSampleId :
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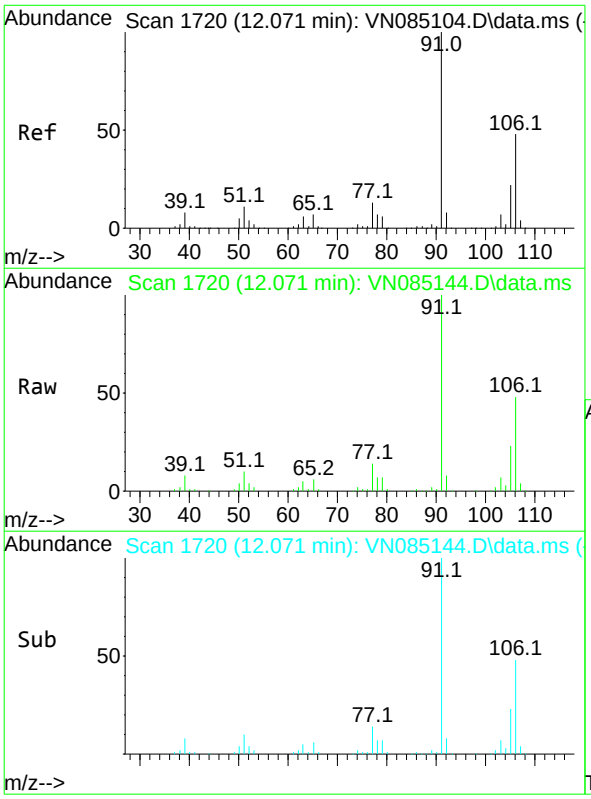
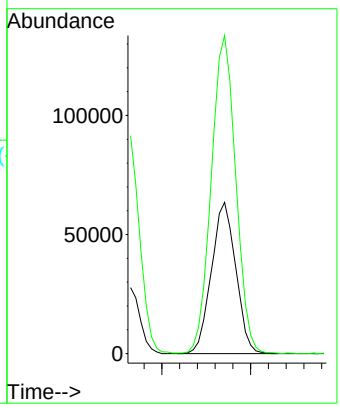
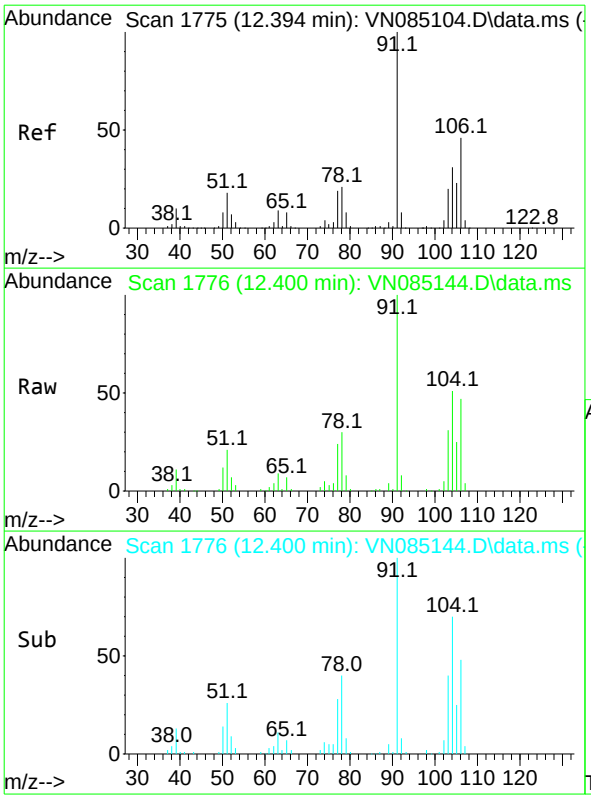


#68
m/p-Xylenes
Concen: 38.938 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:106 Resp: 121108

Ion	Ratio	Lower	Upper
106	100		
91	211.5	168.0	252.0

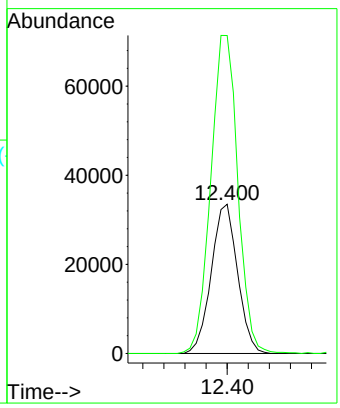




#69
o-Xylene
Concen: 19.599 ug/l
RT: 12.400 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:106 Resp: 57985

Ion	Ratio	Lower	Upper
106	100		
91	219.2	110.7	331.9



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

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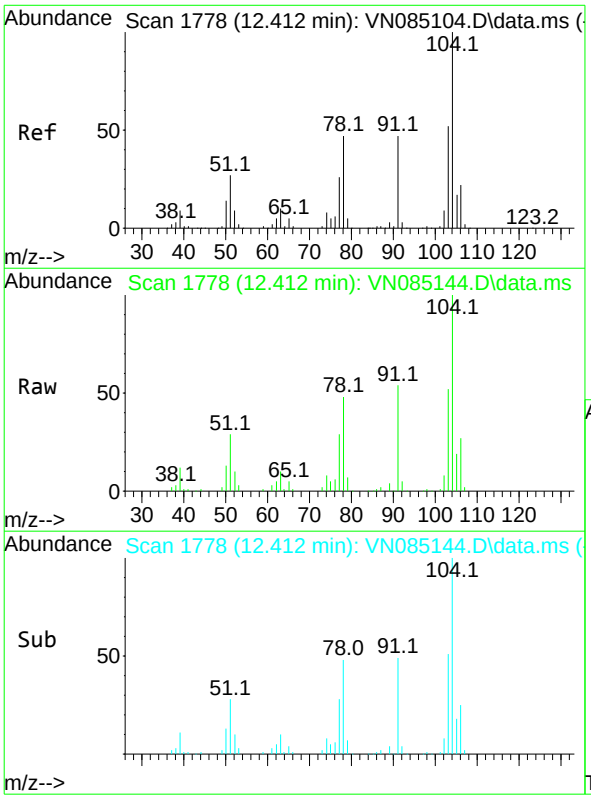
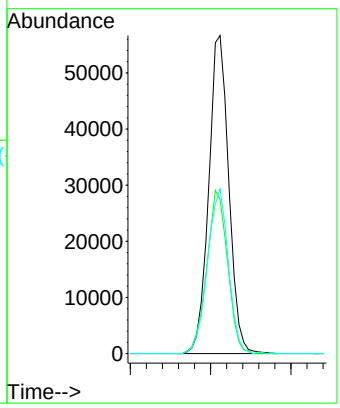
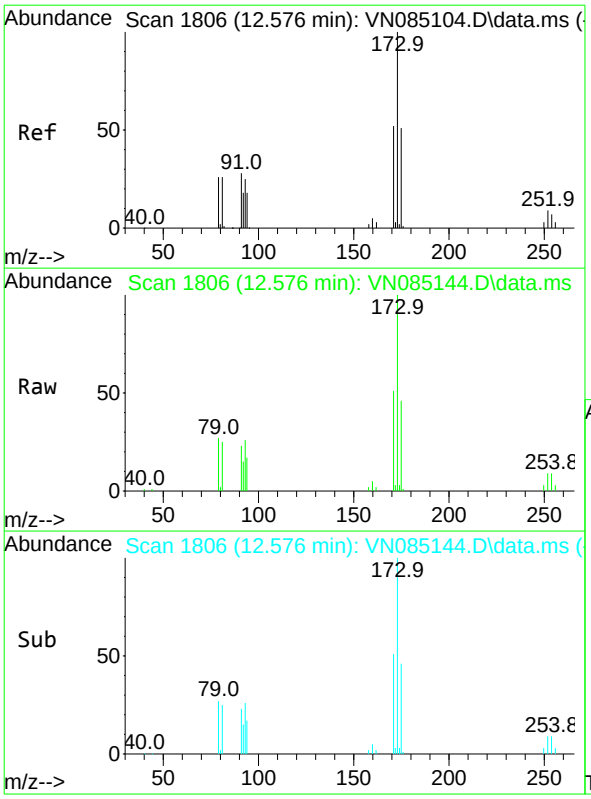


#70
Styrene
Concen: 19.960 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:104 Resp: 98206

Ion	Ratio	Lower	Upper
104	100		
78	53.2	42.3	63.5
103	53.8	44.2	66.2

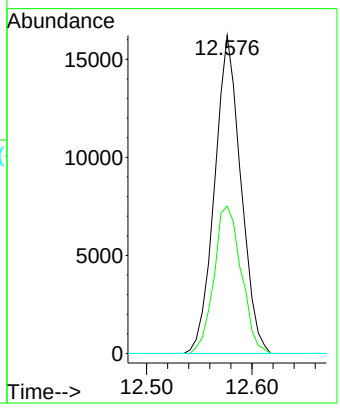




#71
Bromoform
Concen: 21.300 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:173 Resp: 28031

Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.8	71.2
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

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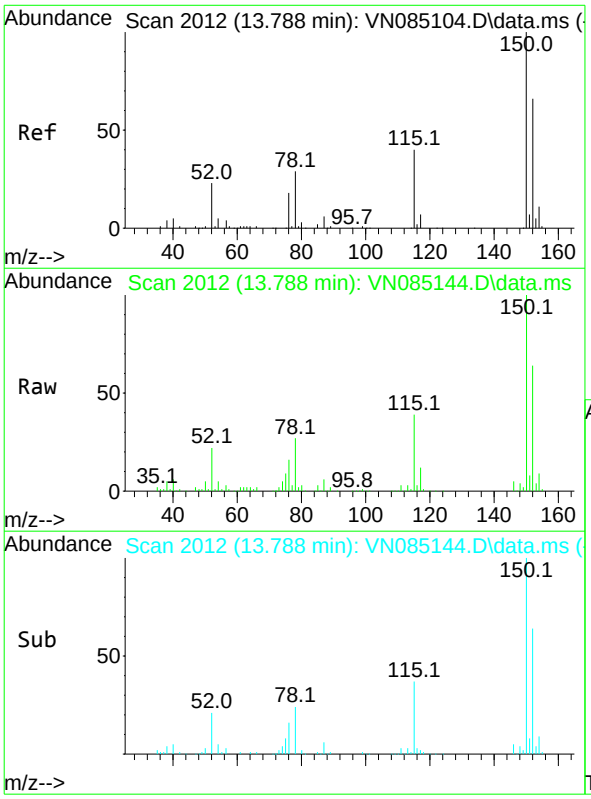
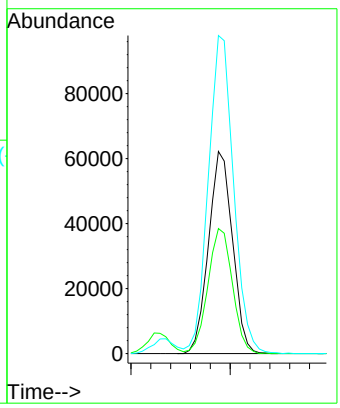
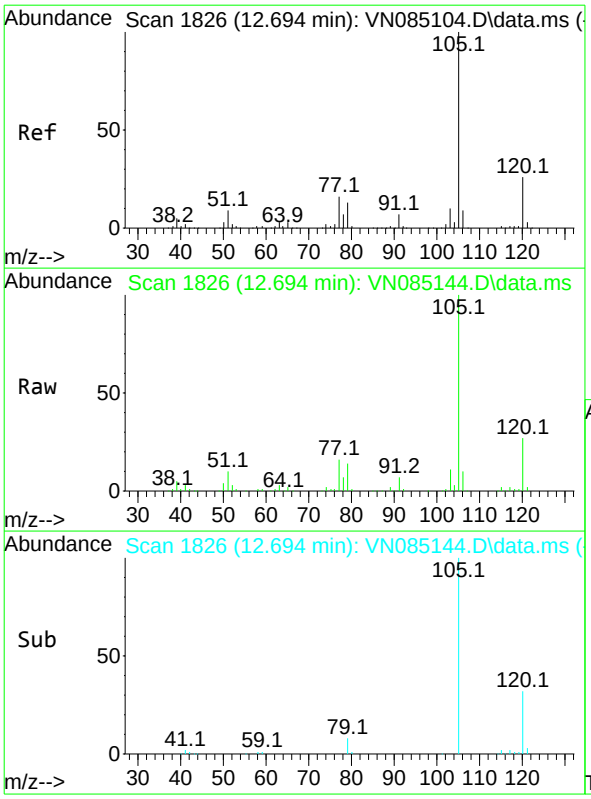


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:152 Resp: 104600

Ion	Ratio	Lower	Upper
152	100		
115	63.2	31.7	95.1
150	165.7	0.0	351.4

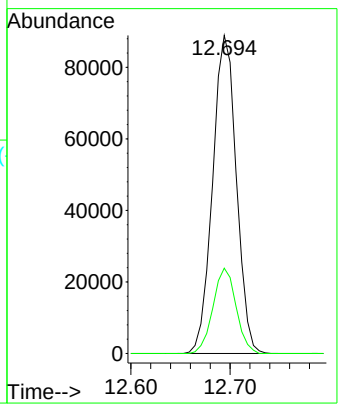




#73
Isopropylbenzene
Concen: 19.995 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:105 Resp: 147544

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.0	39.0



Instrument :
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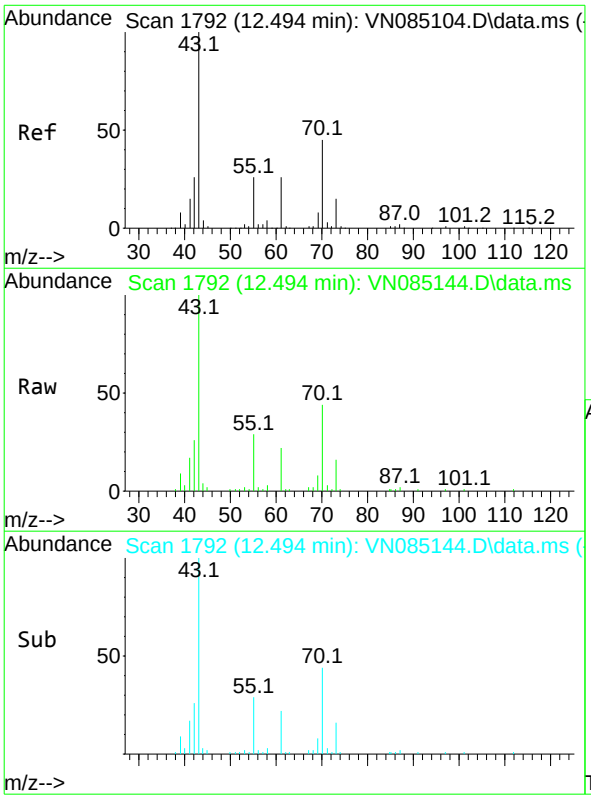
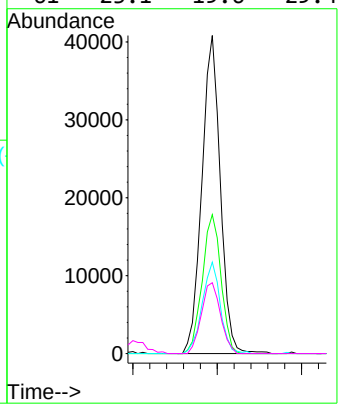
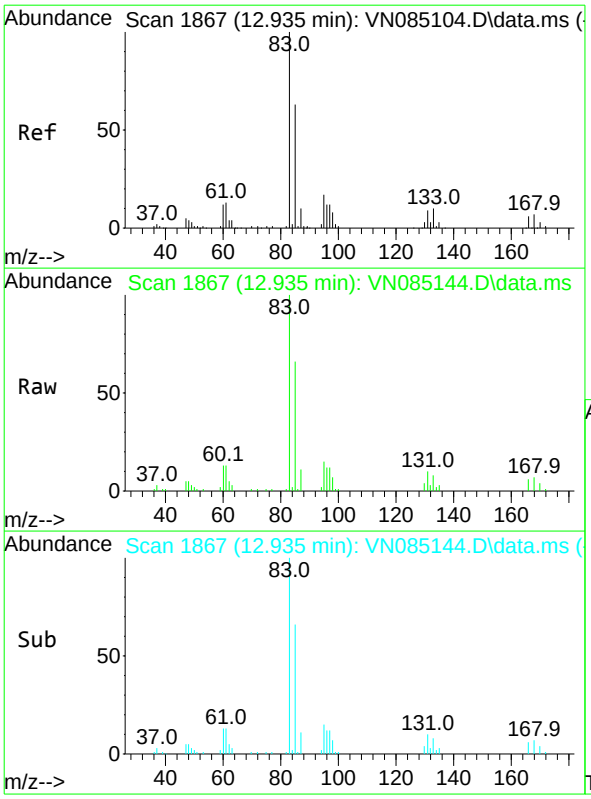


#74
N-amyl acetate
Concen: 20.417 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 43 Resp: 62083

Ion	Ratio	Lower	Upper
43	100		
70	44.2	34.6	51.8
55	28.2	20.5	30.7
61	23.1	19.6	29.4

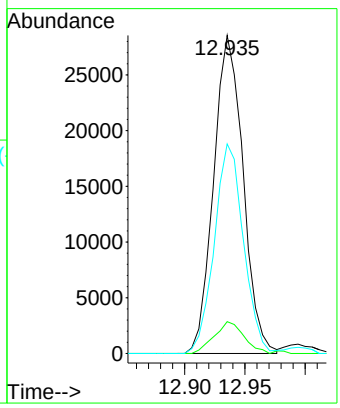




#75
1,1,2,2-Tetrachloroethane
Concen: 19.251 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 83 Resp: 48508

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.4
85	65.2	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
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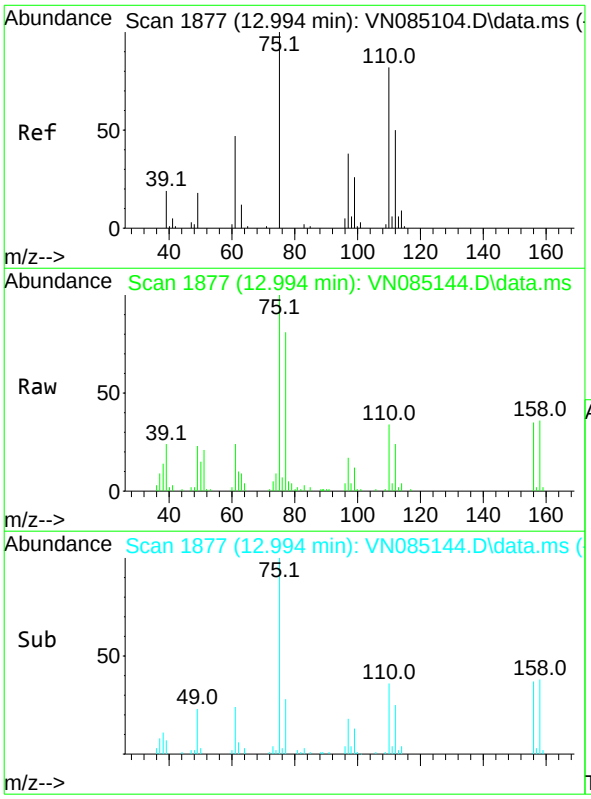
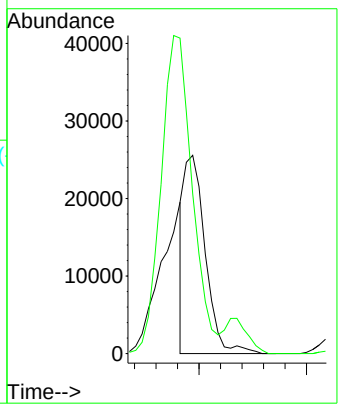
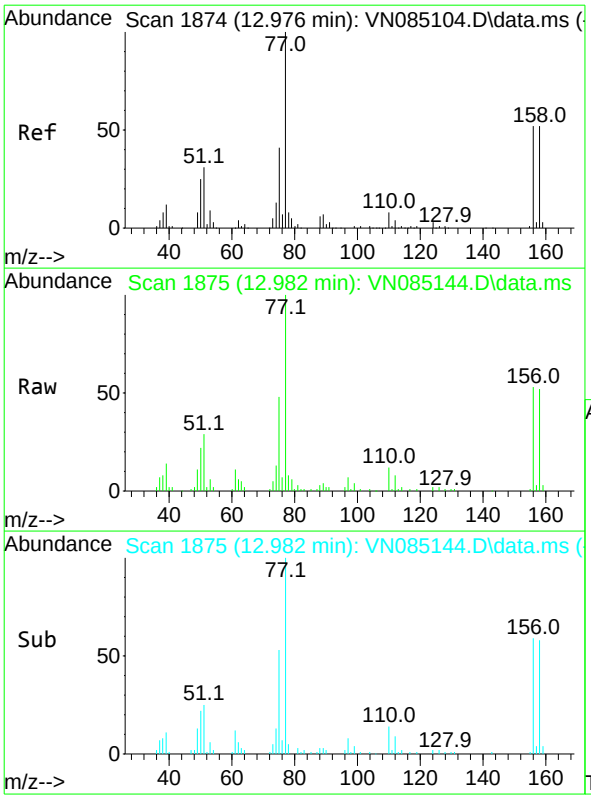


#76
1,2,3-Trichloropropane
Concen: 18.216 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 75 Resp: 34658

Ion	Ratio	Lower	Upper
75	100		
77	238.4	109.1	327.4

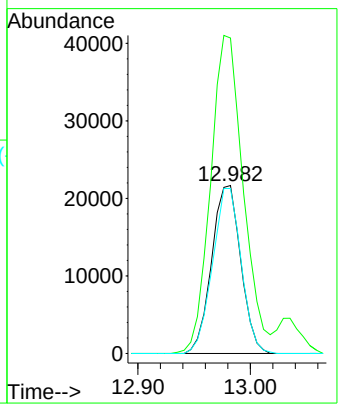




#77
Bromobenzene
Concen: 19.603 ug/l
RT: 12.982 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:156 Resp: 38928

Ion	Ratio	Lower	Upper
156	100		
77	212.2	107.2	321.6
158	96.7	48.5	145.6



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

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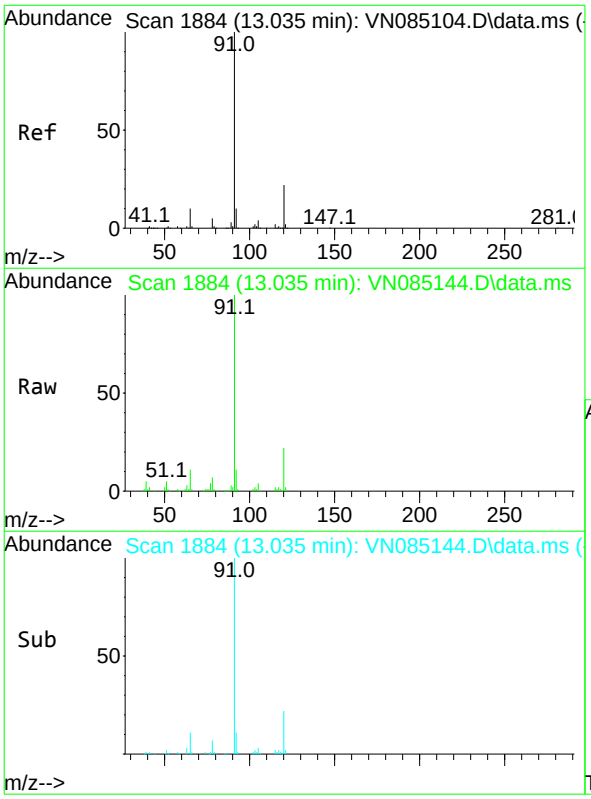
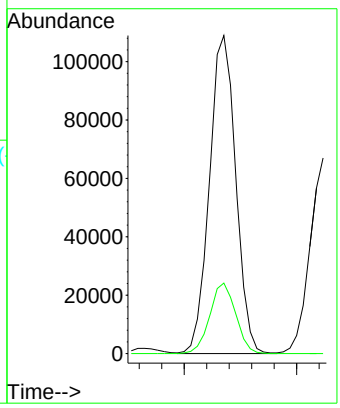
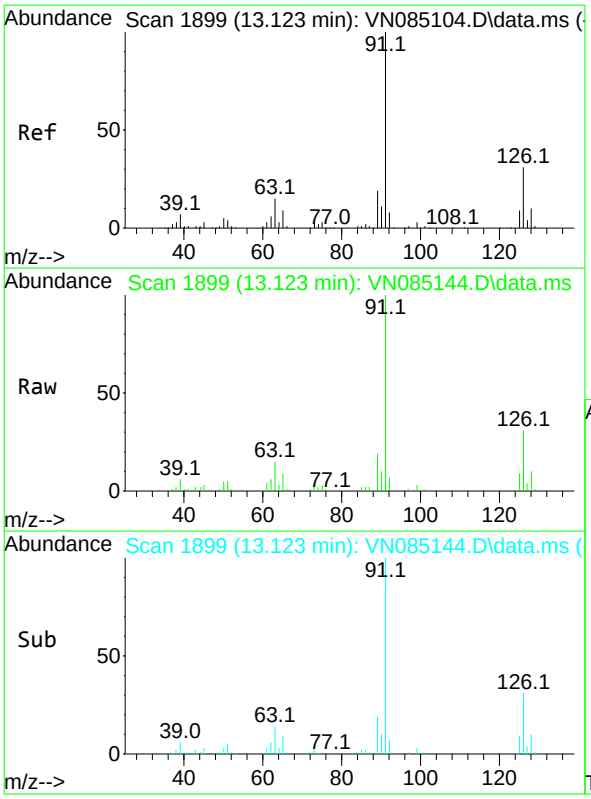


#78
n-propylbenzene
Concen: 20.808 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 91 Resp: 177101

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.3	33.9

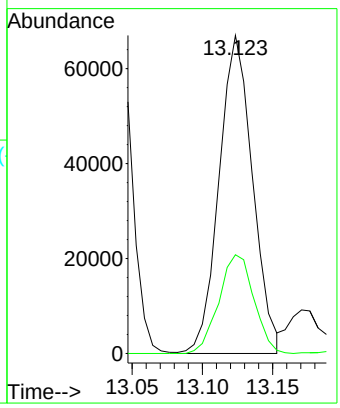




#79
2-Chlorotoluene
Concen: 19.552 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 91 Resp: 111085

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.1	48.3



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

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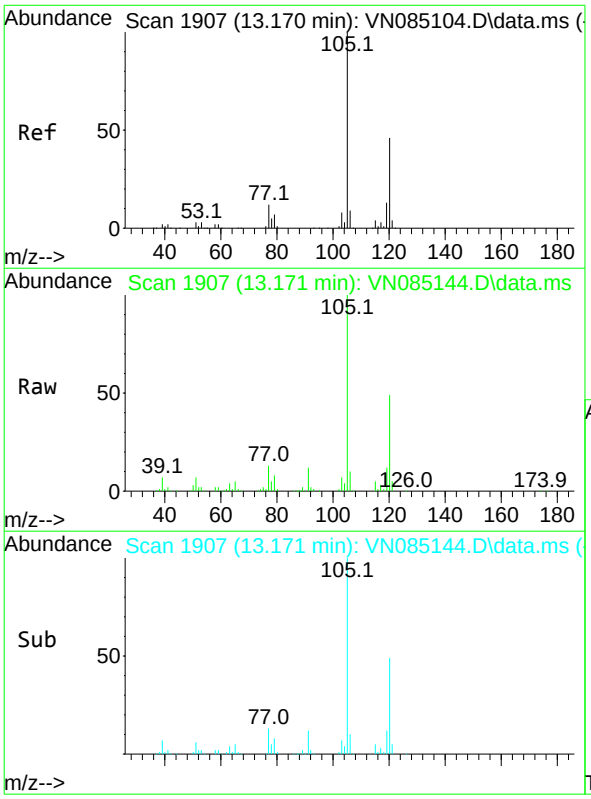
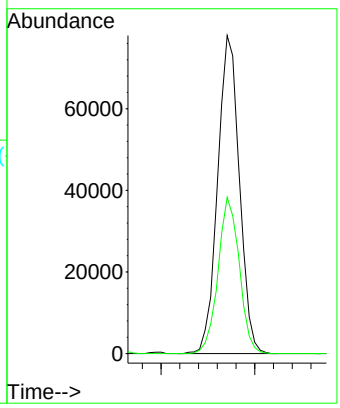
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

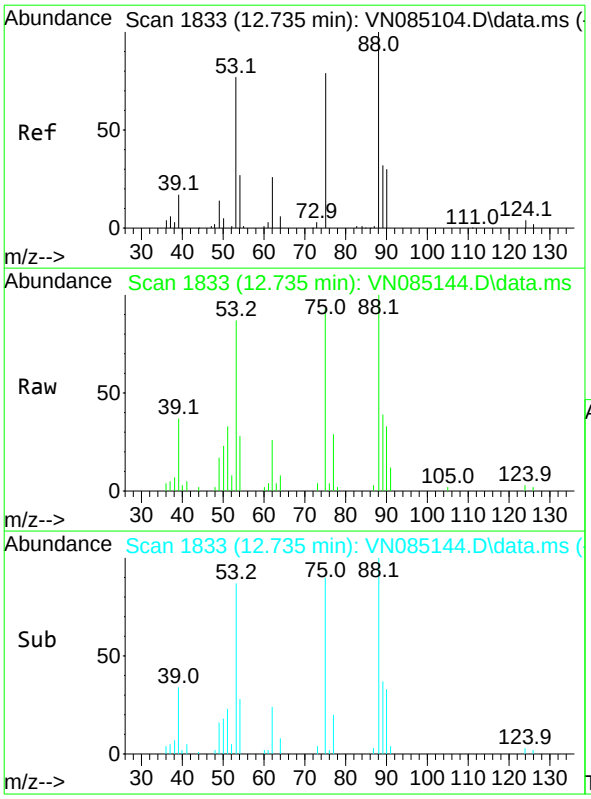


#80
1,3,5-Trimethylbenzene
Concen: 20.291 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:105 Resp: 125642

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.6	71.0

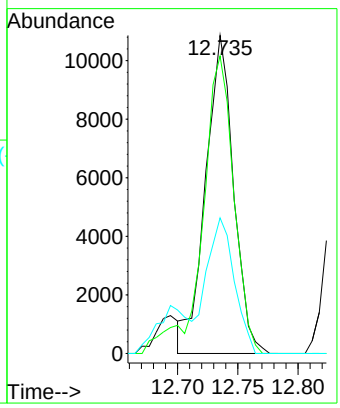




#81
trans-1,4-Dichloro-2-butene
Concen: 20.401 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 75 Resp: 17583

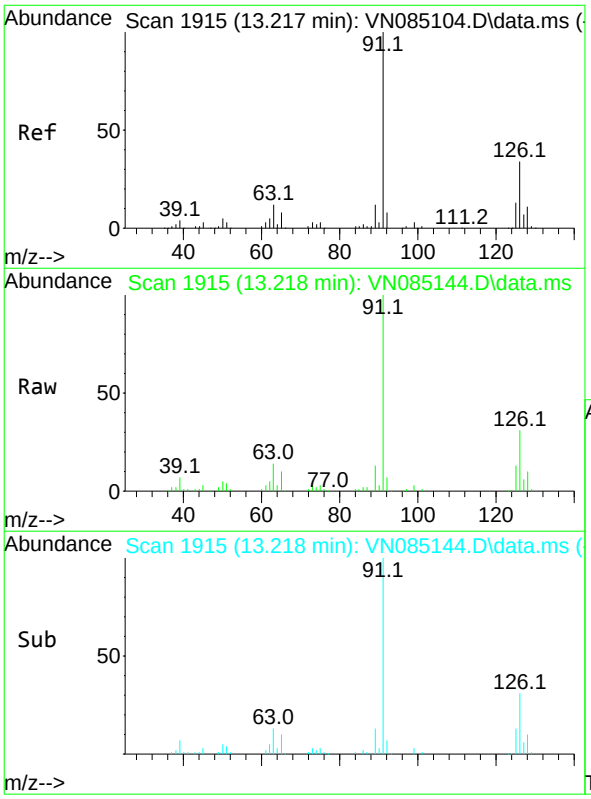
Ion	Ratio	Lower	Upper
75	100		
53	104.1	78.2	117.4
89	42.2	37.9	56.9



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Manual Integrations APPROVED

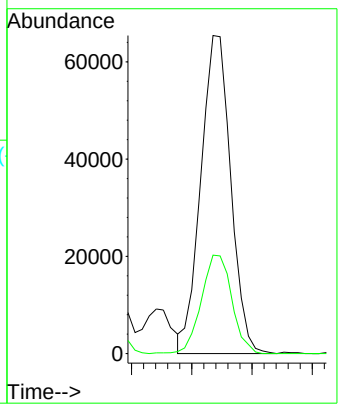
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

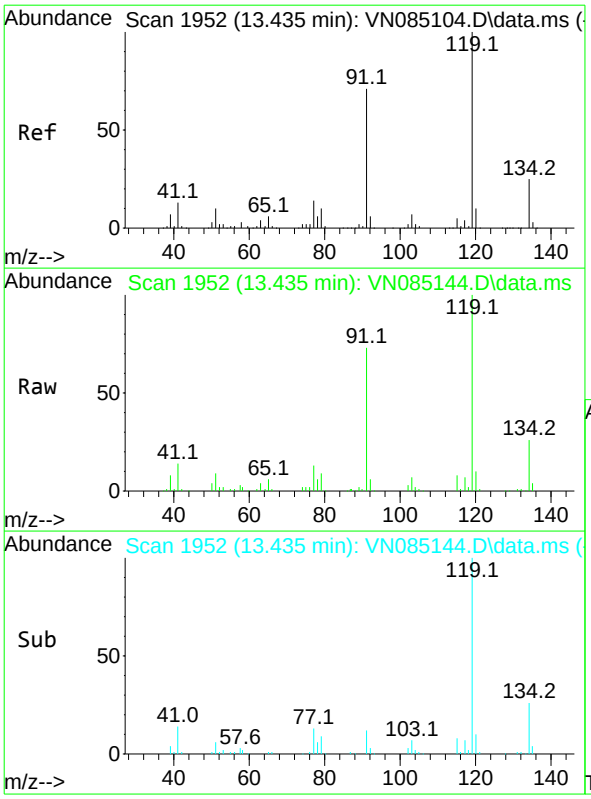


#82
4-Chlorotoluene
Concen: 19.088 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 91 Resp: 112899

Ion	Ratio	Lower	Upper
91	100		
126	31.6	16.1	48.3

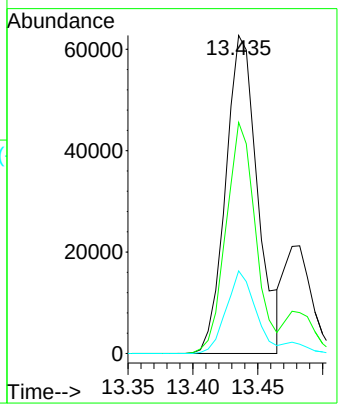




#83
tert-Butylbenzene
Concen: 20.191 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:119 Resp: 107573

Ion	Ratio	Lower	Upper
119	100		
91	67.0	35.1	105.5
134	23.7	12.1	36.3



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Manual Integrations
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Reviewed By :John Carlone 12/10/2024
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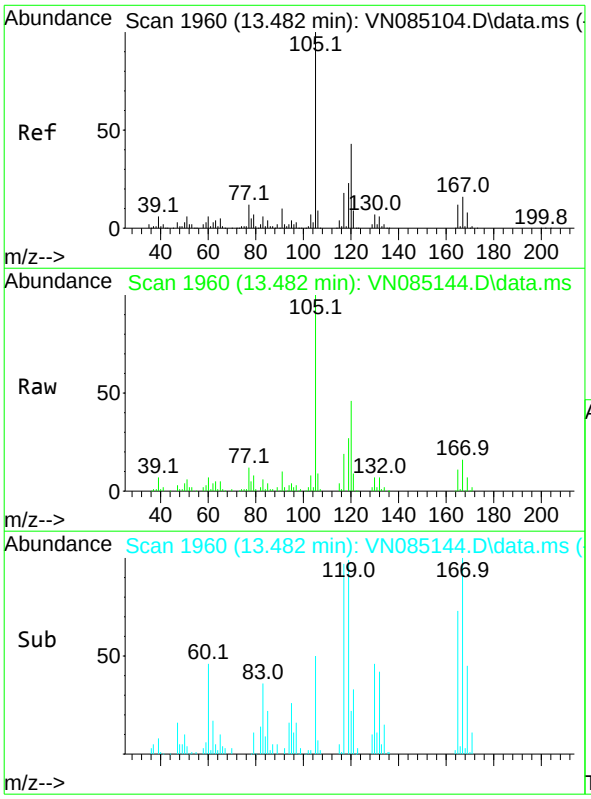
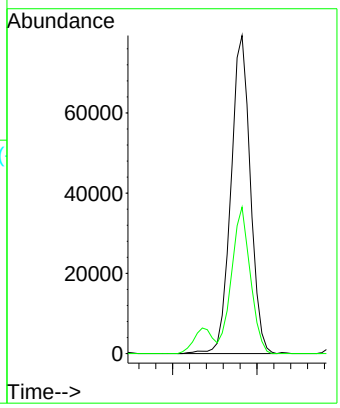
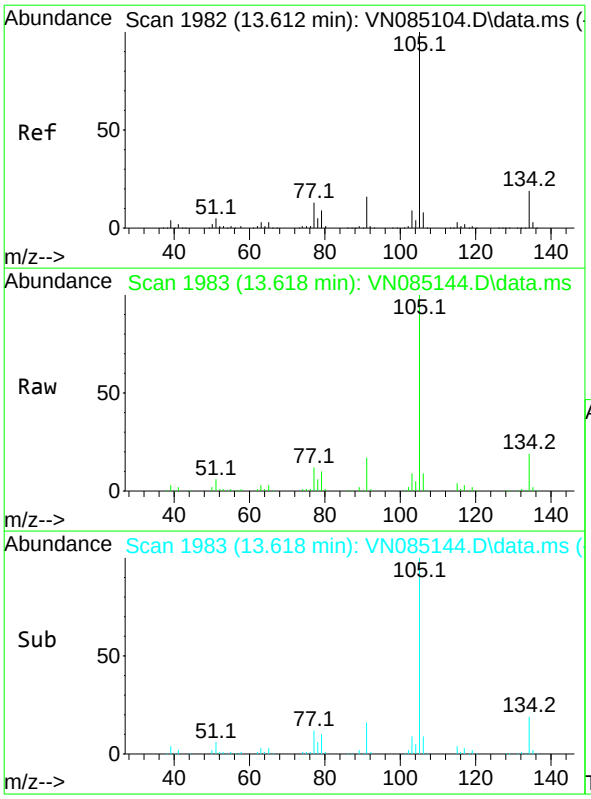


#84
1,2,4-Trimethylbenzene
Concen: 19.871 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:105 Resp: 126653

Ion	Ratio	Lower	Upper
105	100		
120	44.5	21.8	65.4

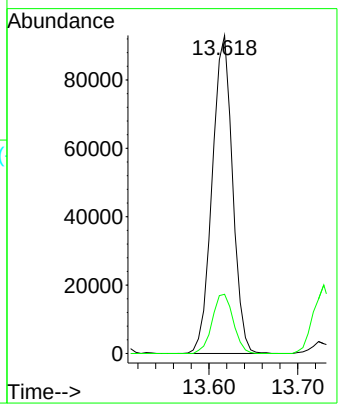




#85
sec-Butylbenzene
Concen: 20.537 ug/l
RT: 13.618 min Scan# 19
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:105 Resp: 147809

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.3



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Manual Integrations
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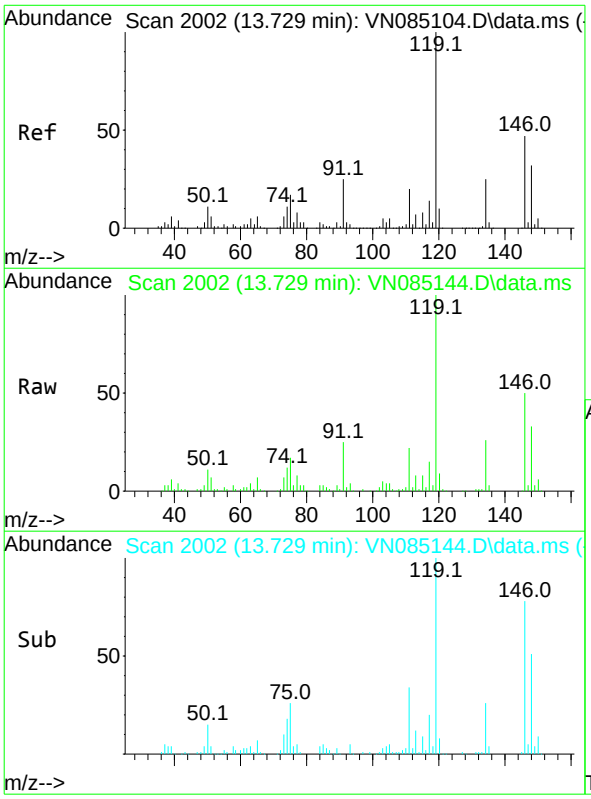
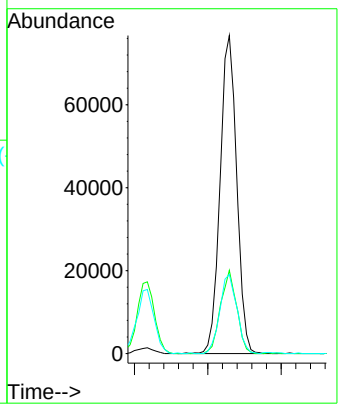
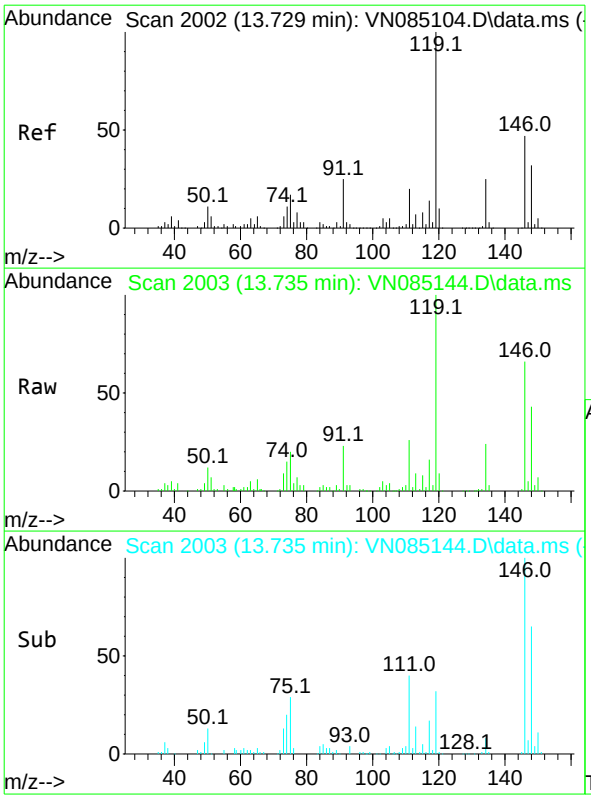


#86
p-Isopropyltoluene
Concen: 20.331 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:119 Resp: 120791

Ion	Ratio	Lower	Upper
119	100		
134	25.3	13.0	39.0
91	25.6	12.8	38.4

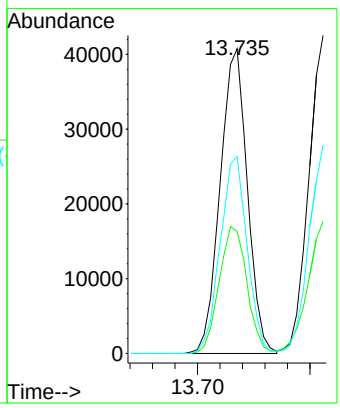




#87
1,3-Dichlorobenzene
Concen: 17.496 ug/l
RT: 13.735 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:146 Resp: 68527

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.6	65.0
148	64.1	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

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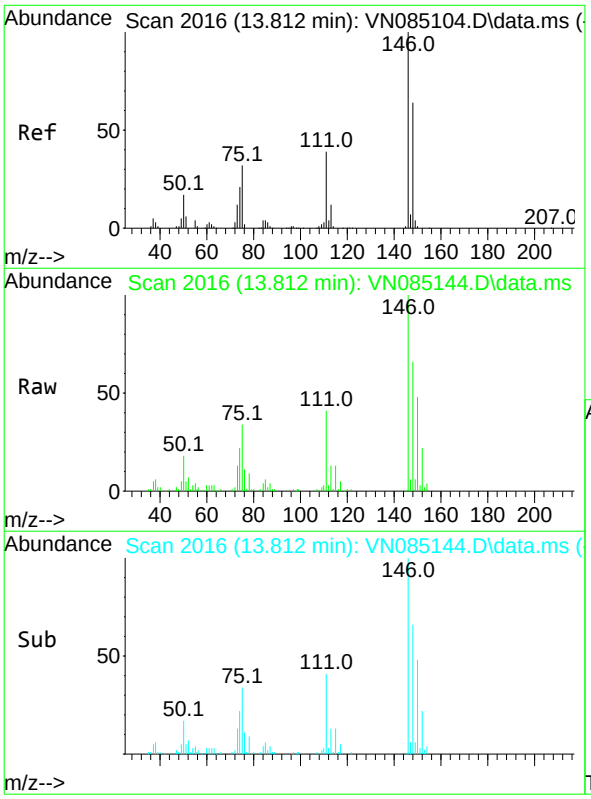
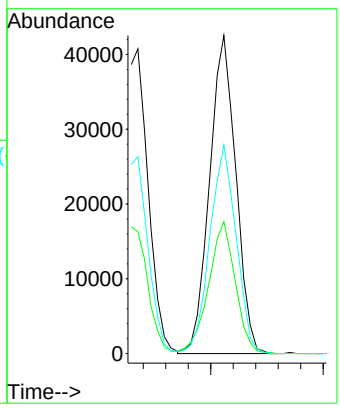
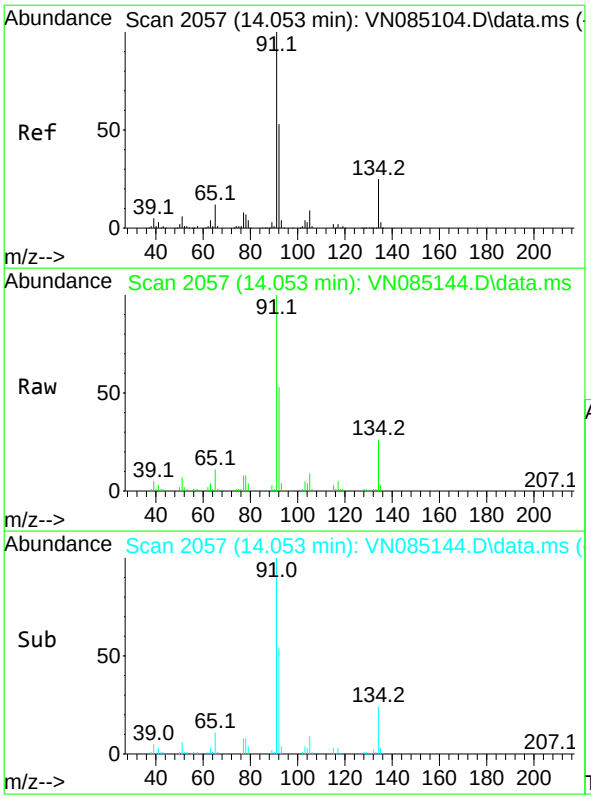


#88
1,4-Dichlorobenzene
Concen: 17.319 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:146 Resp: 69227

Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.9	62.8
148	65.5	31.3	93.9

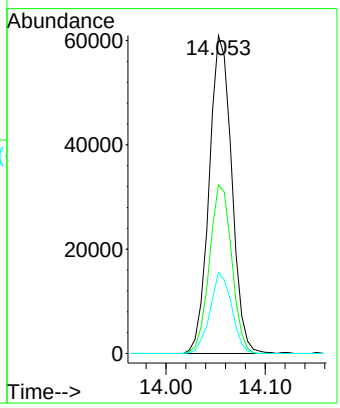




#89
n-Butylbenzene
Concen: 17.401 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 91 Resp: 96140

Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.8	80.3
134	24.6	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

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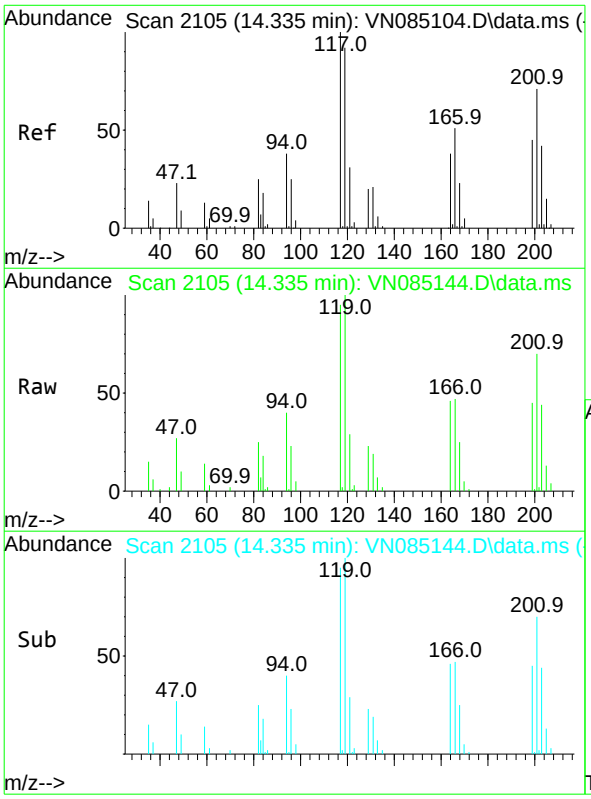
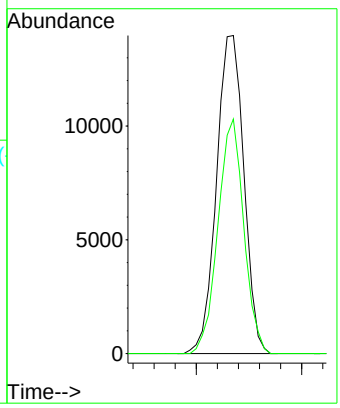
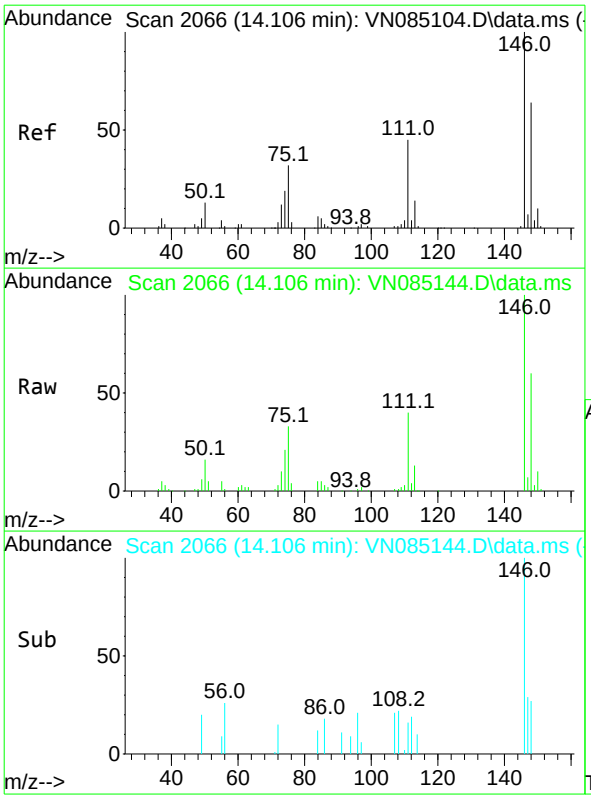


#90
Hexachloroethane
Concen: 19.464 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:117 Resp: 25206

Ion	Ratio	Lower	Upper
117	100		
201	69.6	35.2	105.6

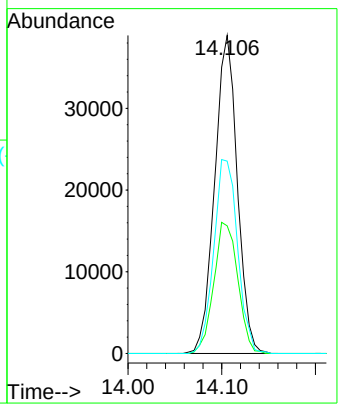




#91
1,2-Dichlorobenzene
Concen: 17.412 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:146 Resp: 65350

Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.9	65.8
148	64.2	31.1	93.2



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Manual Integrations
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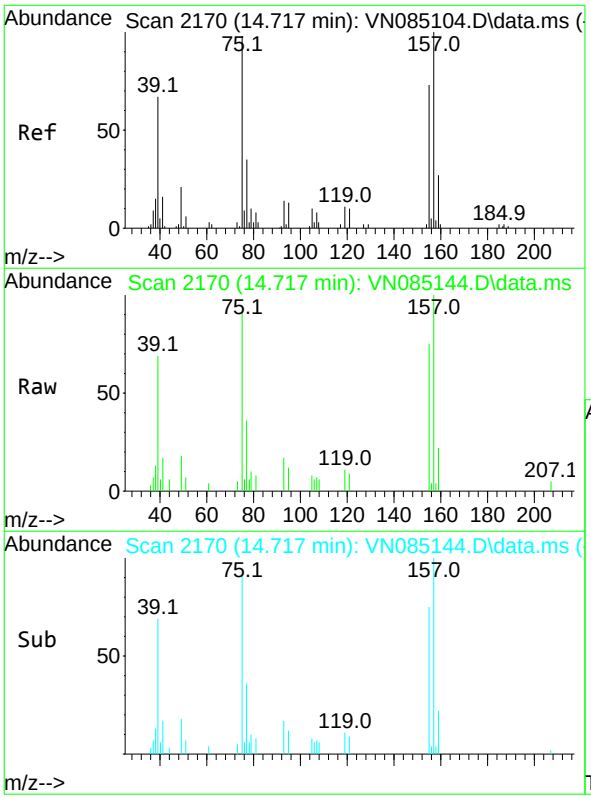
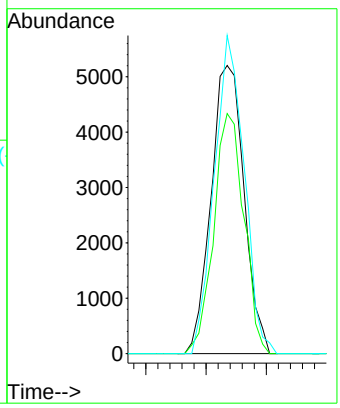
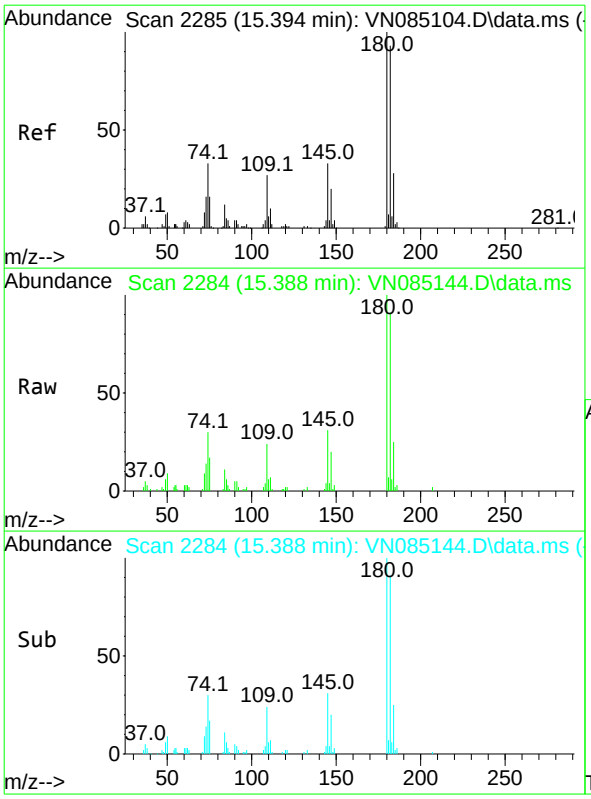


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.338 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 75 Resp: 9910

Ion	Ratio	Lower	Upper
75	100		
155	76.0	38.9	116.7
157	99.8	48.3	144.9

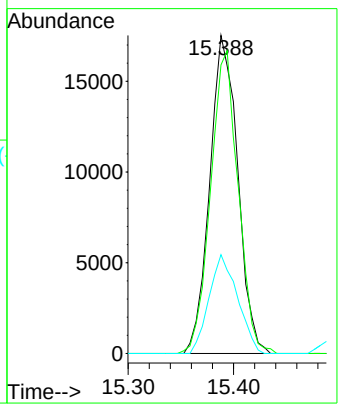




#93
1,2,4-Trichlorobenzene
Concen: 15.840 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:180 Resp: 32298

Ion	Ratio	Lower	Upper
180	100		
182	93.8	46.9	140.8
145	31.6	16.3	48.8



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

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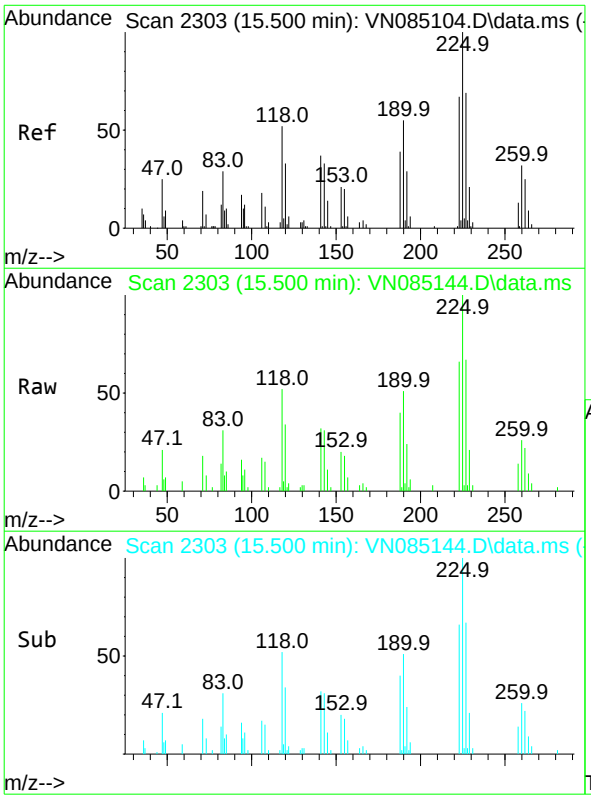
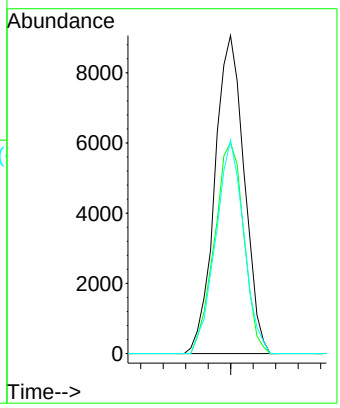
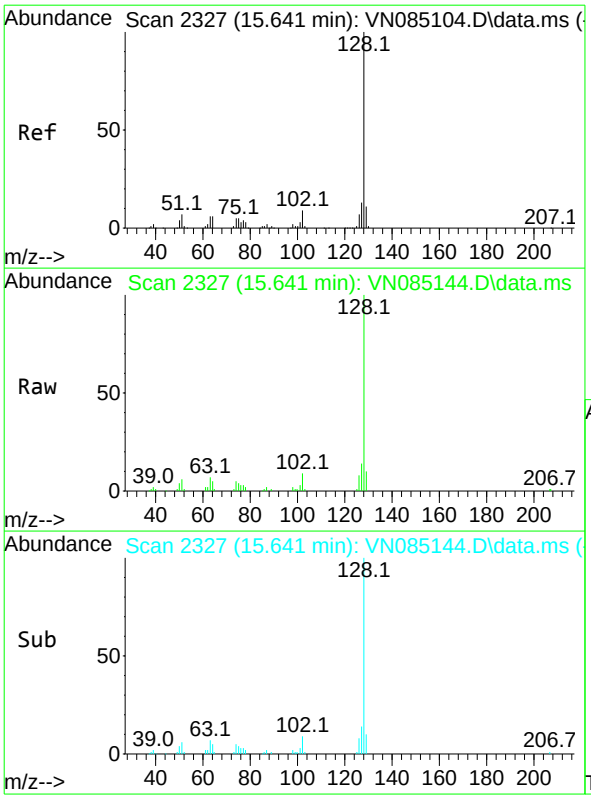


#94
Hexachlorobutadiene
Concen: 17.460 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:225 Resp: 16431

Ion	Ratio	Lower	Upper
225	100		
223	66.0	30.9	92.8
227	64.5	31.5	94.5





#95
Naphthalene
Concen: 15.840 ug/l
RT: 15.641 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:128 Resp: 91989

Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.6	16.0
129	11.4	8.6	12.8

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Manual Integrations
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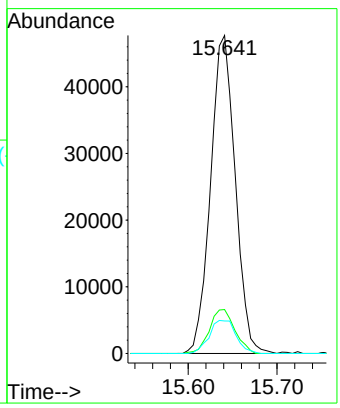
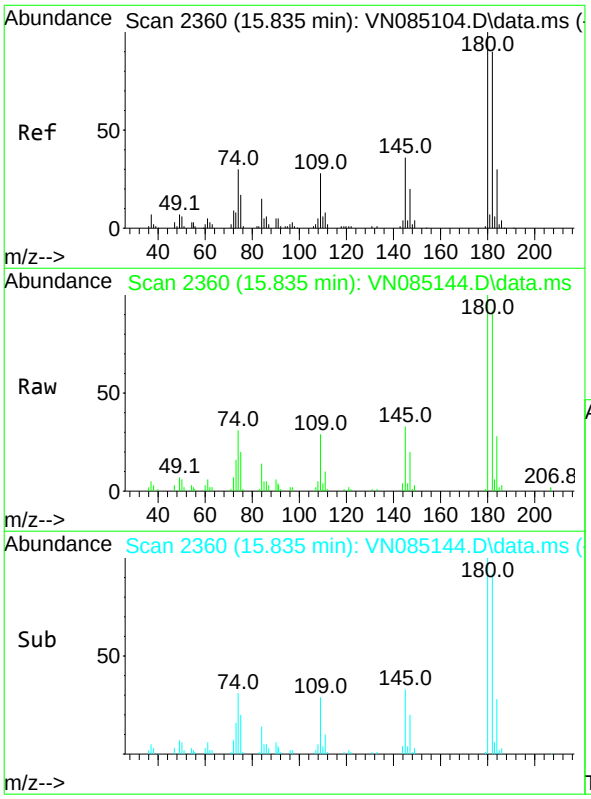
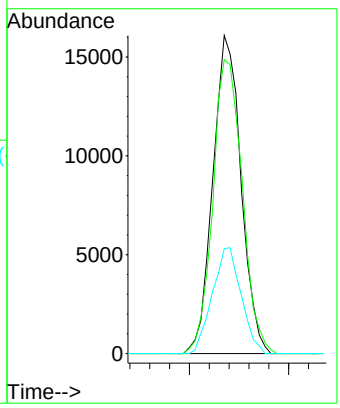




#96
1,2,3-Trichlorobenzene
Concen: 16.282 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:180 Resp: 31678

Ion	Ratio	Lower	Upper
180	100		
182	96.7	46.4	139.2
145	34.1	17.3	52.0



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

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VN1209WBSD01	SDG No.:	P5117
Lab Sample ID:	VN1209WBSD01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085145.D	1		12/09/24 12:09	VN120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-01-4	Vinyl Chloride	16.7		0.34	0.75	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.2		0.26	0.75	1.00	ug/L
78-93-3	2-Butanone	120		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	21.0		0.25	0.50	1.00	ug/L
67-66-3	Chloroform	19.5		0.26	0.50	1.00	ug/L
71-43-2	Benzene	20.0		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.6		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	21.0		0.32	0.75	1.00	ug/L
127-18-4	Tetrachloroethene	20.7		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.7		0.13	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.0		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	53.9		80 - 119		108%	SPK: 50
2037-26-5	Toluene-d8	51.0		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.9		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	143000	8.224				
540-36-3	1,4-Difluorobenzene	228000	9.1				
3114-55-4	Chlorobenzene-d5	203000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	101000	13.788				

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085145.D
Acq On : 09 Dec 2024 12:09
Operator : JC\MD
Sample : VN1209WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 10 06:58:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Manual Integrations APPROVED
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	142912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	227734	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	203151	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	101401	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	103903	51.041	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.080%			
35) Dibromofluoromethane	8.165	113	82760	53.889	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.780%			
50) Toluene-d8	10.565	98	280439	50.954	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.900%			
62) 4-Bromofluorobenzene	12.847	95	108911	52.915	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	25340	15.681	ug/l	100
3) Chloromethane	2.359	50	28131	15.009	ug/l	94
4) Vinyl Chloride	2.512	62	28111	16.690	ug/l	98
5) Bromomethane	2.954	94	21310	22.573	ug/l	89
6) Chloroethane	3.118	64	19554	17.224	ug/l	89
7) Trichlorofluoromethane	3.495	101	53885	18.806	ug/l	93
8) Diethyl Ether	3.959	74	18528	18.999	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	30675	18.876	ug/l	97
10) Methyl Iodide	4.589	142	34867	16.209	ug/l #	88
11) Tert butyl alcohol	5.524	59	32374	119.009	ug/l #	90
12) 1,1-Dichloroethene	4.342	96	27589	18.188	ug/l	98
13) Acrolein	4.183	56	16533	91.082	ug/l	96
14) Allyl chloride	5.024	41	40399	15.799	ug/l	93
15) Acrylonitrile	5.712	53	83176	107.998	ug/l	99
16) Acetone	4.430	43	74370	125.441	ug/l	100
17) Carbon Disulfide	4.712	76	75855	16.942	ug/l	97
18) Methyl Acetate	5.024	43	41727	21.363	ug/l	100
19) Methyl tert-butyl Ether	5.800	73	99012	19.978	ug/l	99
20) Methylene Chloride	5.271	84	32787	18.123	ug/l	96
21) trans-1,2-Dichloroethene	5.789	96	30746	19.261	ug/l	96
22) Diisopropyl ether	6.671	45	98604	19.159	ug/l	98
23) Vinyl Acetate	6.600	43	362666	102.144	ug/l	99
24) 1,1-Dichloroethane	6.565	63	57735	18.746	ug/l	97
25) 2-Butanone	7.483	43	112790	116.364	ug/l	99
26) 2,2-Dichloropropane	7.489	77	52876	18.386	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	37551	19.514	ug/l	96
28) Bromochloromethane	7.806	49	23969	20.617	ug/l #	14
29) Tetrahydrofuran	7.836	42	71330	118.337	ug/l	98
30) Chloroform	7.959	83	63927	19.513	ug/l	91
31) Cyclohexane	8.253	56	48755	17.980	ug/l #	92
32) 1,1,1-Trichloroethane	8.165	97	57246	19.337	ug/l	99
36) 1,1-Dichloropropene	8.371	75	40646	19.540	ug/l	99
37) Ethyl Acetate	7.559	43	42607	22.530	ug/l	98
38) Carbon Tetrachloride	8.359	117	50365	20.975	ug/l	98
39) Methylcyclohexane	9.600	83	39992	18.501	ug/l	91
40) Benzene	8.606	78	131898	20.048	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085145.D
Acq On : 09 Dec 2024 12:09
Operator : JC\MD
Sample : VN1209WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 10 06:58:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.777	41	24485	23.385 ug/l		97
42) 1,2-Dichloroethane	8.671	62	46478	20.649 ug/l		98
43) Isopropyl Acetate	8.688	43	72452	18.444 ug/l		97
44) Trichloroethene	9.347	130	32181	21.047 ug/l		91
45) 1,2-Dichloropropane	9.618	63	33025	20.380 ug/l		94
46) Dibromomethane	9.706	93	24259	21.544 ug/l		96
47) Bromodichloromethane	9.888	83	51571	21.610 ug/l		98
48) Methyl methacrylate	9.683	41	32820	22.453 ug/l		97
49) 1,4-Dioxane	9.694	88	14074	555.200 ug/l		96
51) 4-Methyl-2-Pentanone	10.441	43	229577	127.955 ug/l		99
52) Toluene	10.630	92	81847	21.014 ug/l		98
53) t-1,3-Dichloropropene	10.835	75	50056	20.921 ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	52486	20.678 ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	33335	22.978 ug/l		98
56) Ethyl methacrylate	10.871	69	48238	22.755 ug/l		98
57) 1,3-Dichloropropane	11.165	76	55071	21.568 ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	111311	107.042 ug/l		100
59) 2-Hexanone	11.194	43	172584	128.613 ug/l		97
60) Dibromochloromethane	11.359	129	40774	22.997 ug/l		98
61) 1,2-Dibromoethane	11.471	107	33251	22.146 ug/l		100
64) Tetrachloroethene	11.100	164	28313	20.683 ug/l		93
65) Chlorobenzene	11.894	112	90827	19.714 ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	33935	20.920 ug/l		98
67) Ethyl Benzene	11.965	91	147522	19.736 ug/l		100
68) m/p-Xylenes	12.071	106	116268	40.857 ug/l		99
69) o-Xylene	12.394	106	53545	19.780 ug/l		96
70) Styrene	12.412	104	97192	21.590 ug/l		97
71) Bromoform	12.576	173	28670	23.810 ug/l	#	100
73) Isopropylbenzene	12.694	105	140110	19.586 ug/l		100
74) N-amyl acetate	12.494	43	61760	20.951 ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	48806	19.980 ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	34594m	18.756 ug/l		
77) Bromobenzene	12.976	156	37253	19.352 ug/l		98
78) n-propylbenzene	13.035	91	169221	20.509 ug/l		100
79) 2-Chlorotoluene	13.123	91	107288	19.479 ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	124423	20.728 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	16816m	20.127 ug/l		
82) 4-Chlorotoluene	13.218	91	108808	18.977 ug/l		99
83) tert-Butylbenzene	13.435	119	102778	19.900 ug/l		96
84) 1,2,4-Trimethylbenzene	13.482	105	123353	19.964 ug/l		98
85) sec-Butylbenzene	13.618	105	139963	20.061 ug/l		98
86) p-Isopropyltoluene	13.729	119	115995	20.140 ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	68149	17.948 ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	68126	17.582 ug/l		98
89) n-Butylbenzene	14.053	91	95516	17.833 ug/l		96
90) Hexachloroethane	14.335	117	23660	18.846 ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	64932	17.846 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	9668	20.468 ug/l		95
93) 1,2,4-Trichlorobenzene	15.394	180	31255	15.812 ug/l		98
94) Hexachlorobutadiene	15.506	225	16202	17.760 ug/l		97
95) Naphthalene	15.641	128	98185	17.440 ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	31563	16.735 ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085145.D
Acq On : 09 Dec 2024 12:09
Operator : JC\MD
Sample : VN1209WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 10 06:58:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085145.D
Acq On : 09 Dec 2024 12:09
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Quant Time: Dec 10 06:58:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Instrument :
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ClientSampleId :
VN1209WBSD01

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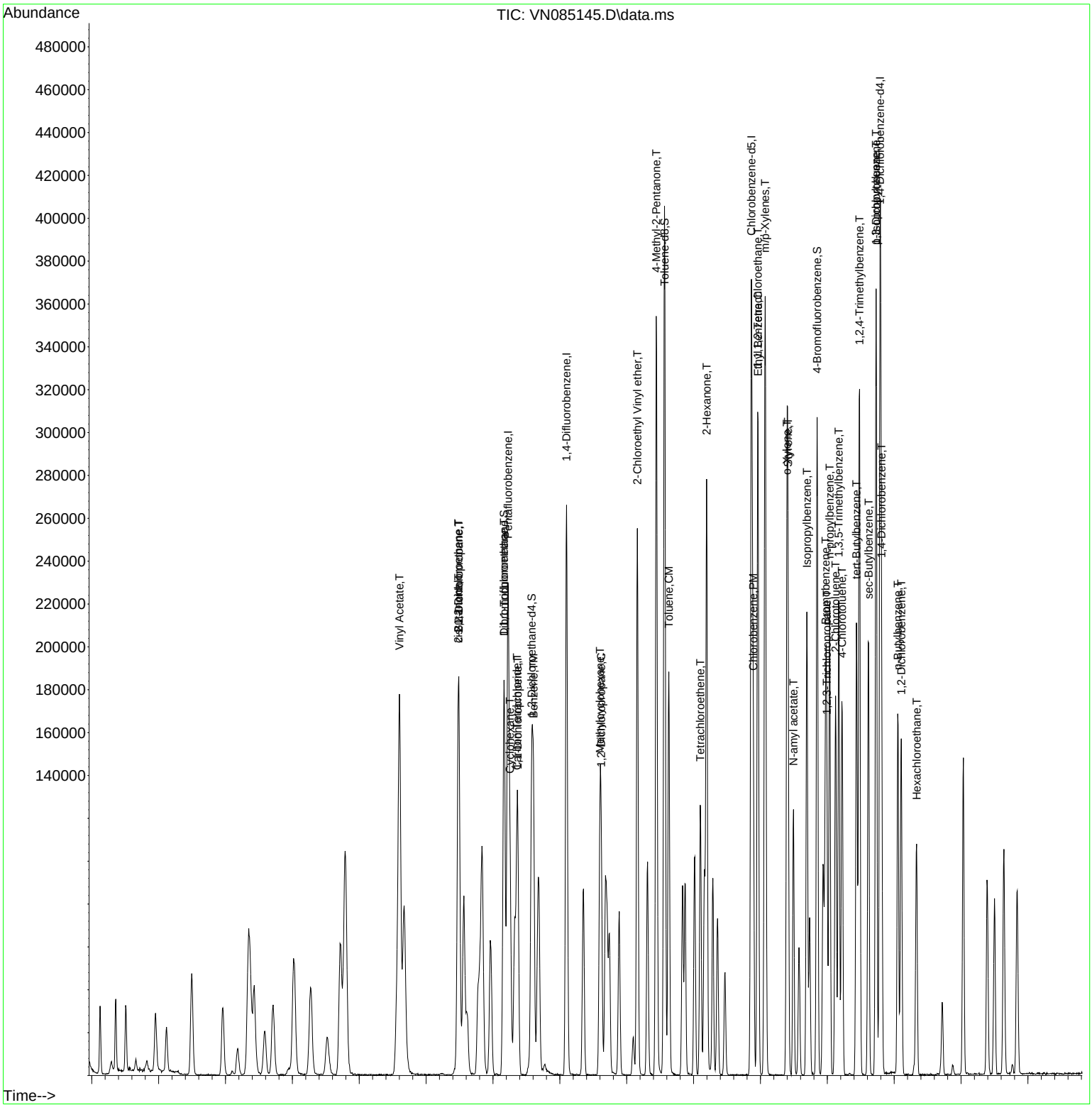
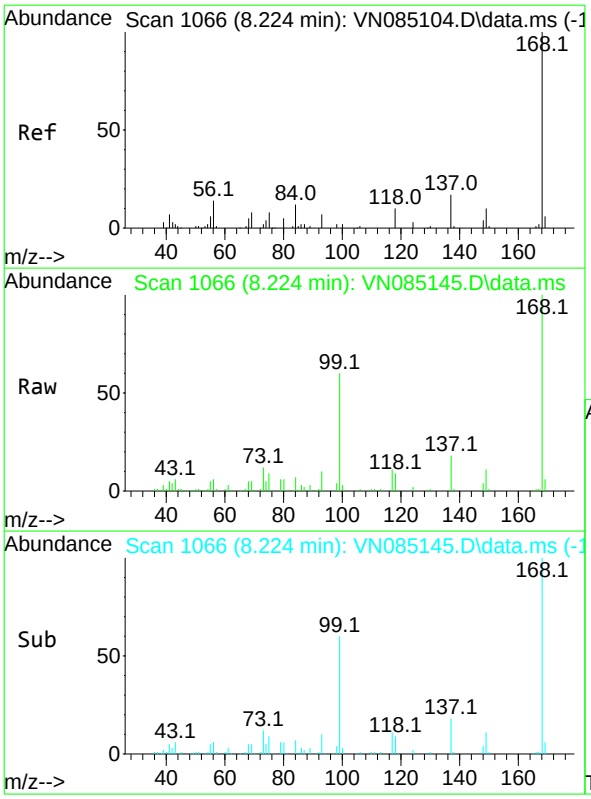
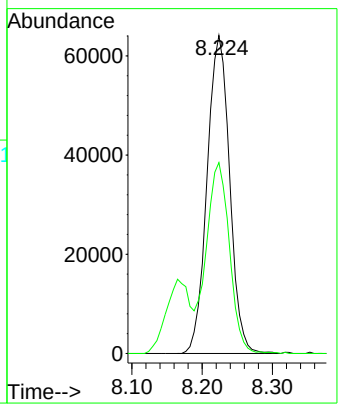




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:168 Resp: 142912

Ion	Ratio	Lower	Upper
168	100		
99	59.7	51.2	76.8



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Manual Integrations APPROVED

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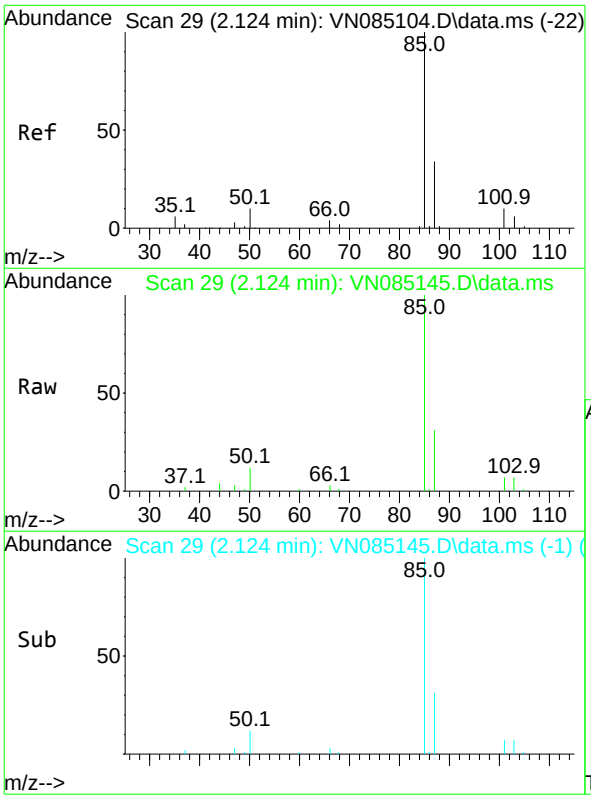
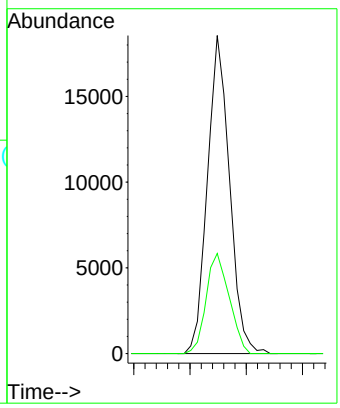
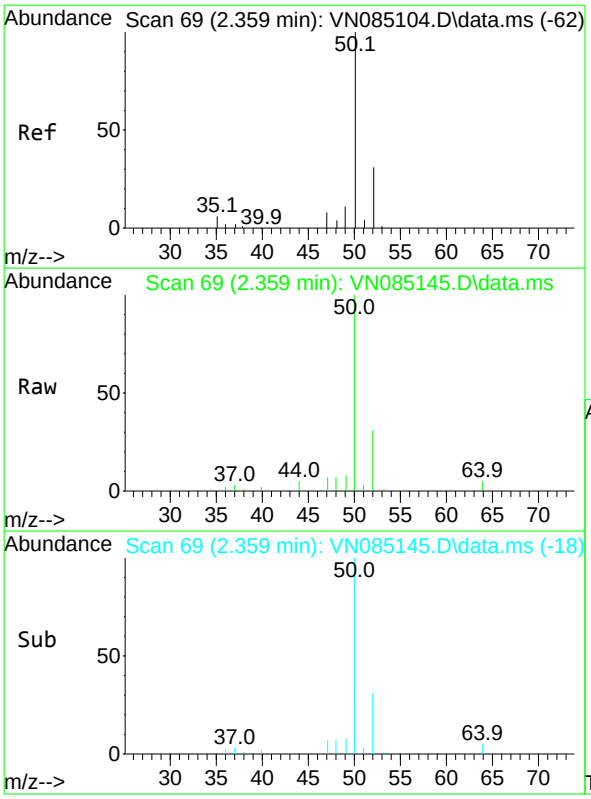


#2
Dichlorodifluoromethane
Concen: 15.681 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 85 Resp: 25340

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.7	47.1

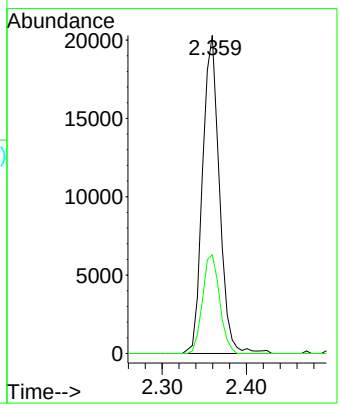




#3
Chloromethane
Concen: 15.009 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 50 Resp: 28131

Ion	Ratio	Lower	Upper
50	100		
52	31.1	27.8	41.8



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

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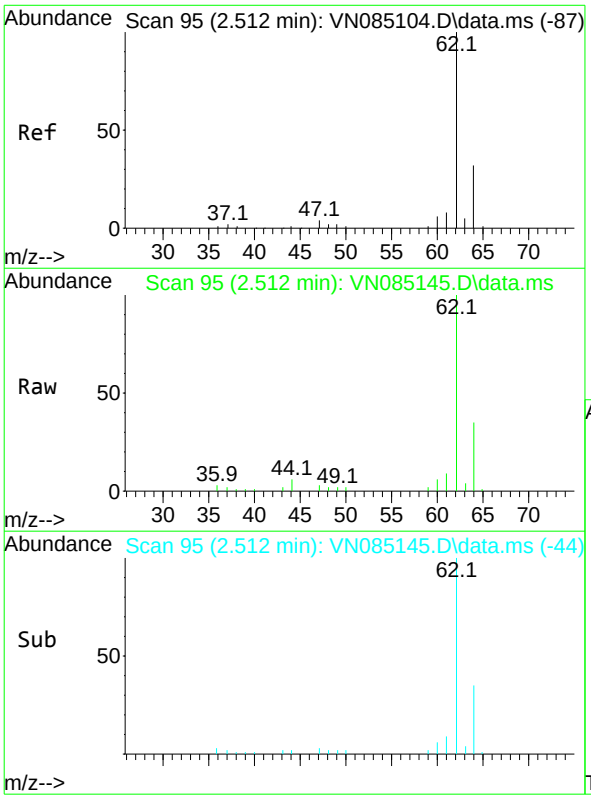
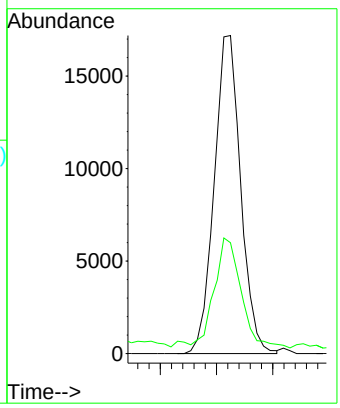
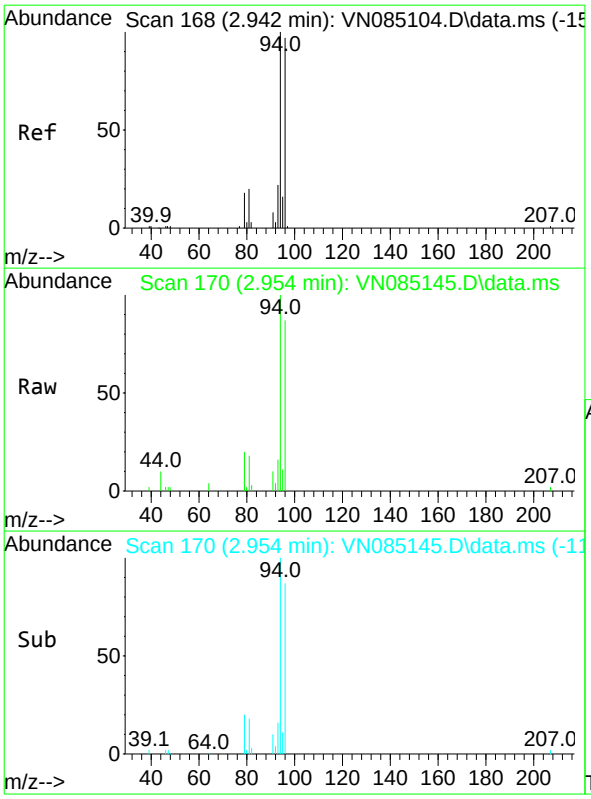


#4
Vinyl Chloride
Concen: 16.690 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 62 Resp: 28111

Ion	Ratio	Lower	Upper
62	100		
64	31.9	24.6	36.8

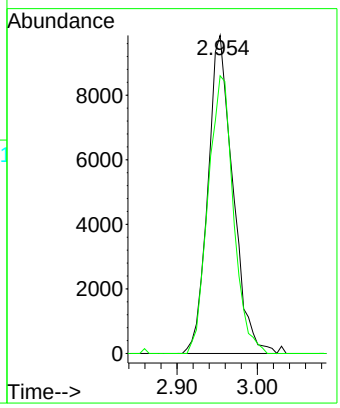




#5
Bromomethane
Concen: 22.573 ug/l
RT: 2.954 min Scan# 17
Delta R.T. 0.053 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 94 Resp: 21310

Ion	Ratio	Lower	Upper
94	100		
96	87.3	78.7	118.1



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
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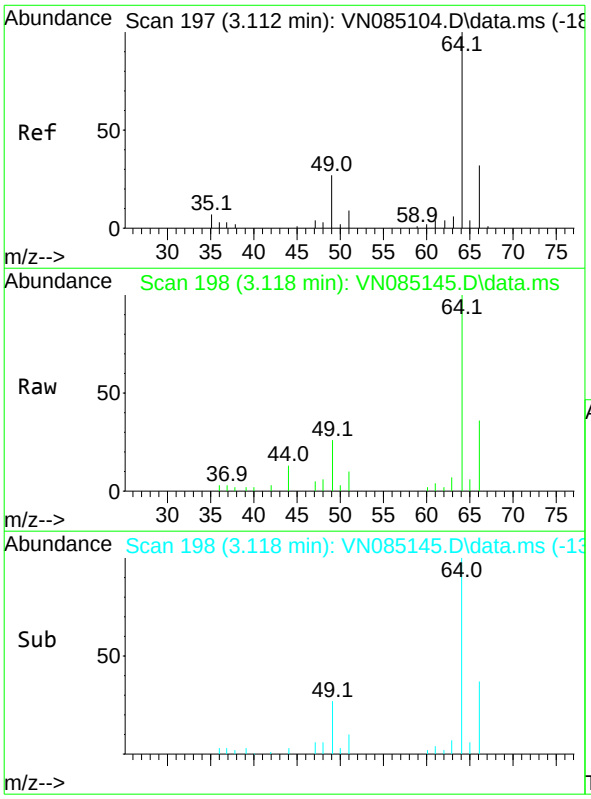
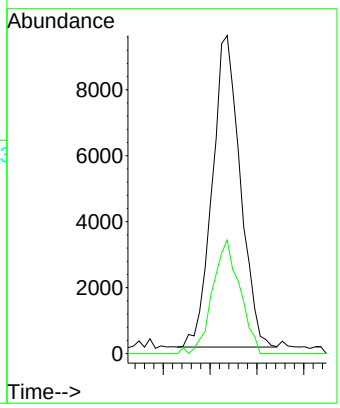
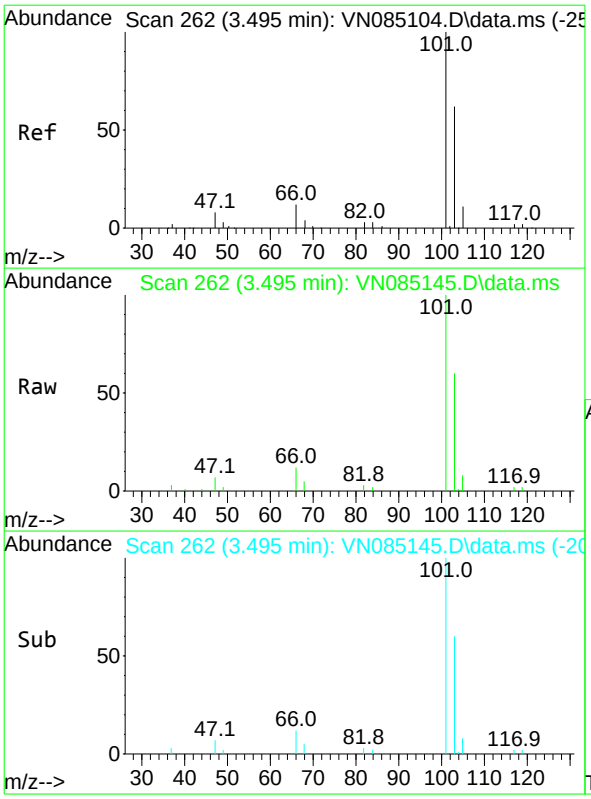


#6
Chloroethane
Concen: 17.224 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.053 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 64 Resp: 19554

Ion	Ratio	Lower	Upper
64	100		
66	36.5	24.4	36.6

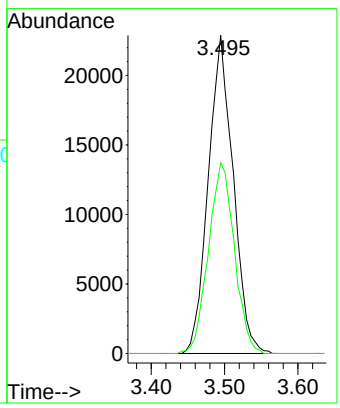




#7
Trichlorofluoromethane
Concen: 18.806 ug/l
RT: 3.495 min Scan# 26
Delta R.T. 0.035 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:101 Resp: 53885

Ion	Ratio	Lower	Upper
101	100		
103	59.9	52.6	78.8



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Manual Integrations APPROVED

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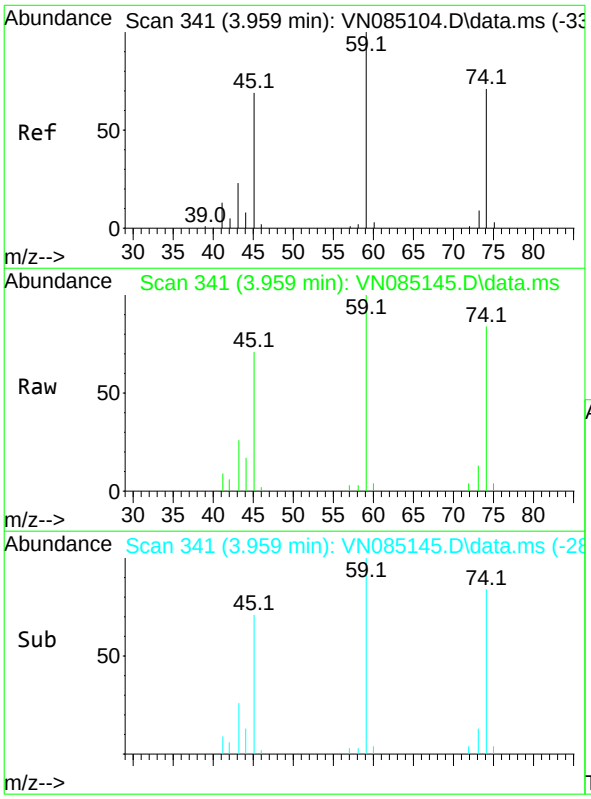
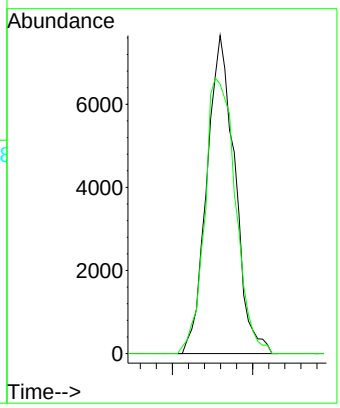
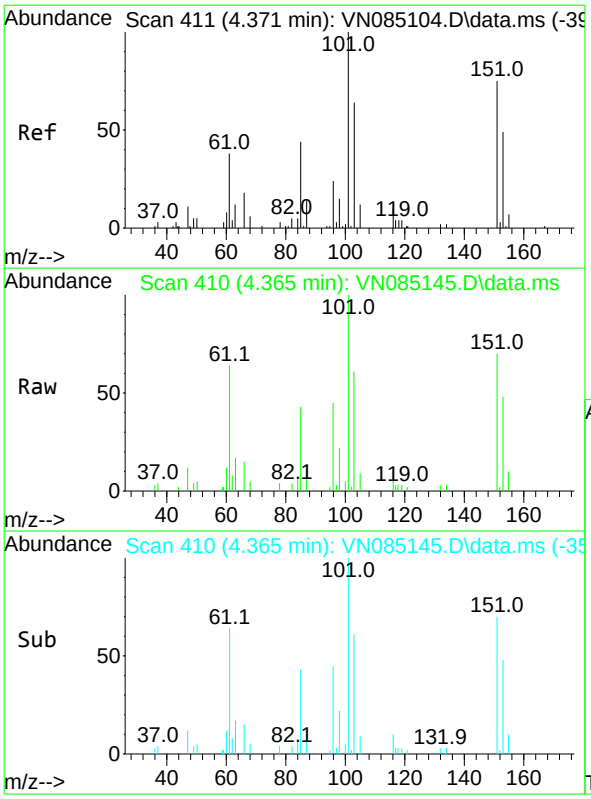


#8
Diethyl Ether
Concen: 18.999 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.012 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 74 Resp: 18528

Ion	Ratio	Lower	Upper
74	100		
45	95.3	46.7	140.1

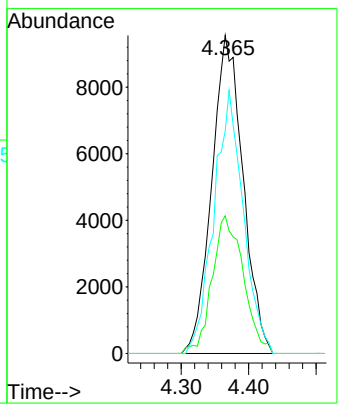




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.876 ug/l
RT: 4.365 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:101 Resp: 30675

Ion	Ratio	Lower	Upper
101	100		
85	43.2	36.9	55.3
151	78.1	60.8	91.2



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

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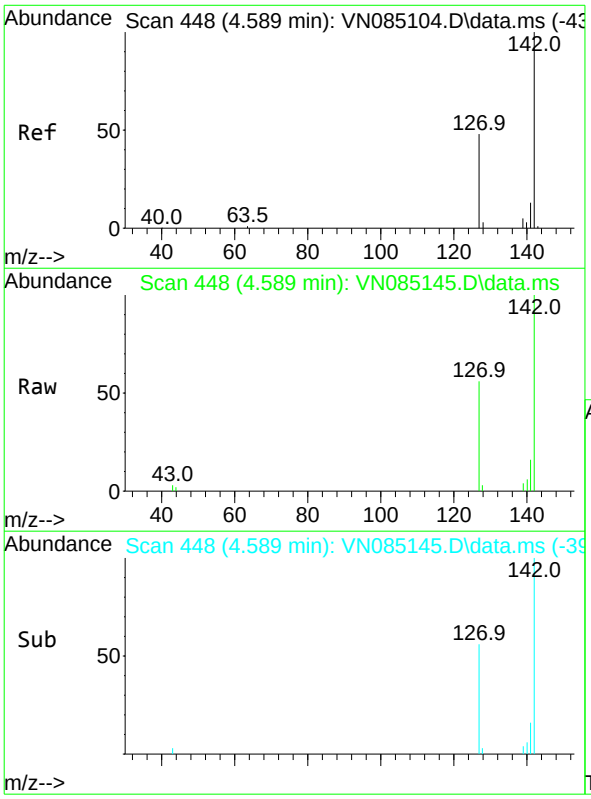
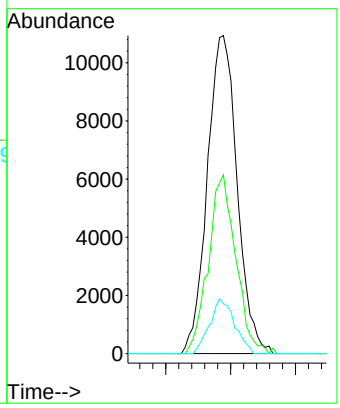
Supervised By :Mahesh Dadoda 12/10/2024

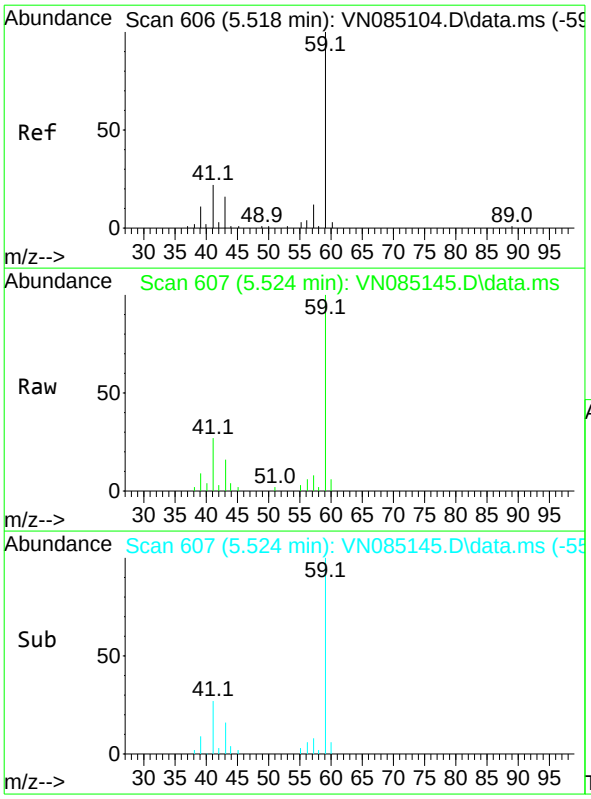


#10
Methyl Iodide
Concen: 16.209 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.018 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:142 Resp: 34867

Ion	Ratio	Lower	Upper
142	100		
127	56.2	36.6	54.8#
141	15.7	12.2	18.4





#11
Tert butyl alcohol
Concen: 119.009 ug/l
RT: 5.524 min Scan# 60
Delta R.T. -0.018 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 59 Resp: 32374

Ion	Ratio	Lower	Upper
59	100		
57	5.7	7.4	11.0#

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

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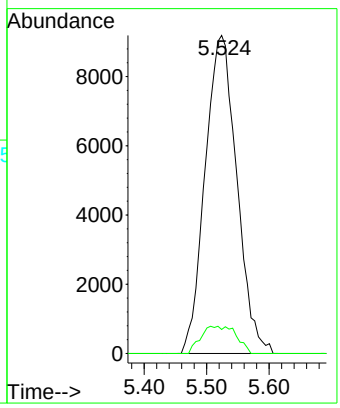
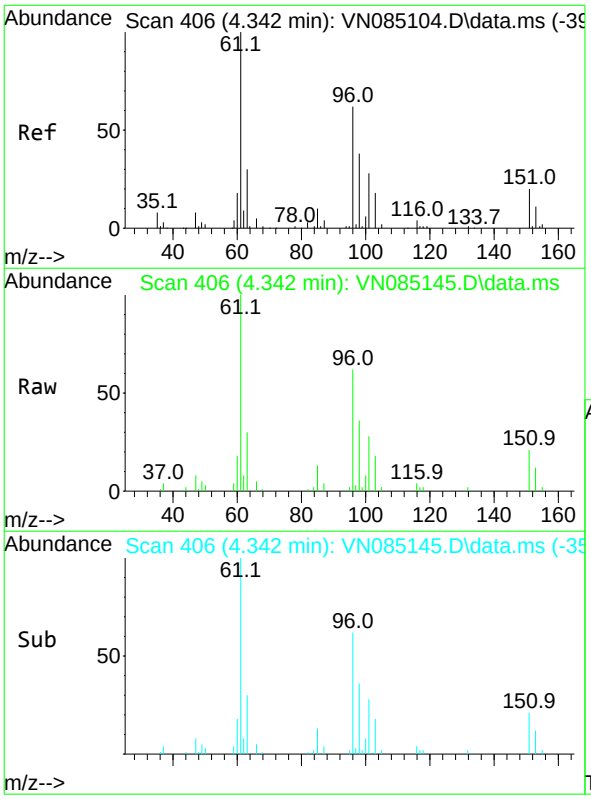
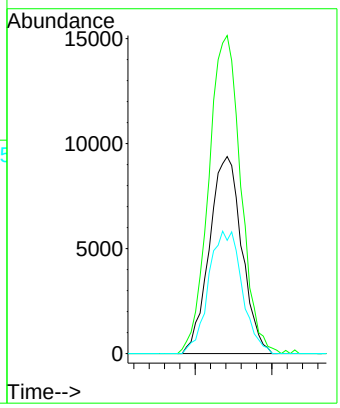


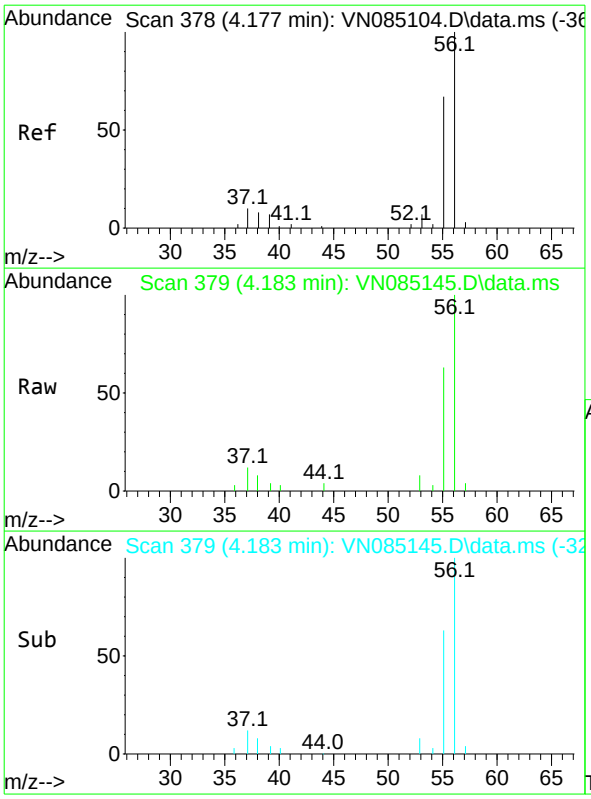


#12
1,1-Dichloroethene
Concen: 18.188 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.024 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 96 Resp: 27589

Ion	Ratio	Lower	Upper
96	100		
61	161.5	127.8	191.8
98	57.5	49.2	73.8

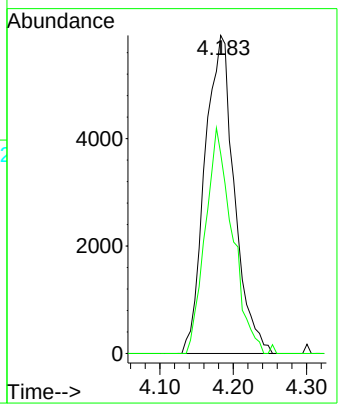




#13
Acrolein
Concen: 91.082 ug/l
RT: 4.183 min Scan# 37
Delta R.T. 0.018 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 56 Resp: 16533

Ion	Ratio	Lower	Upper
56	100		
55	65.0	54.5	81.7



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

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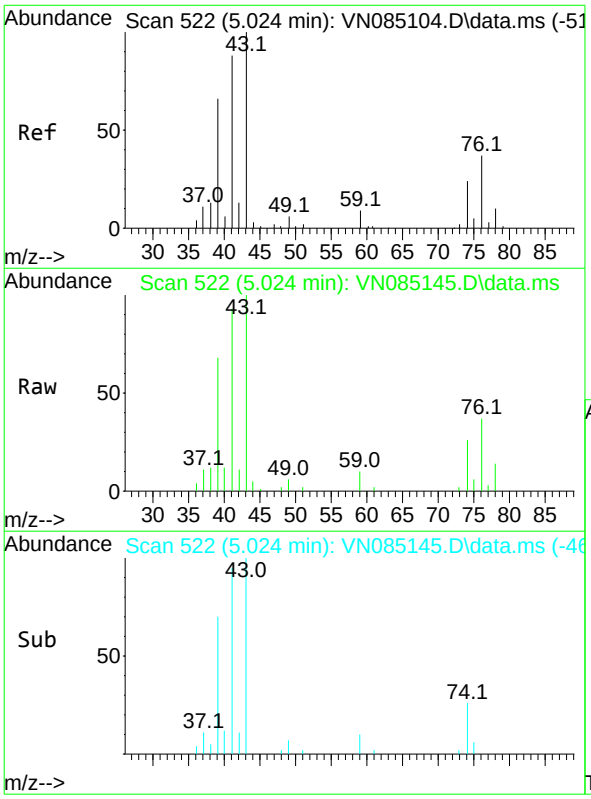
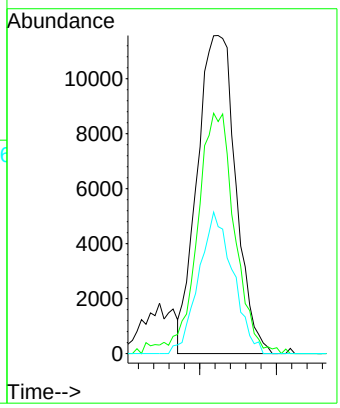
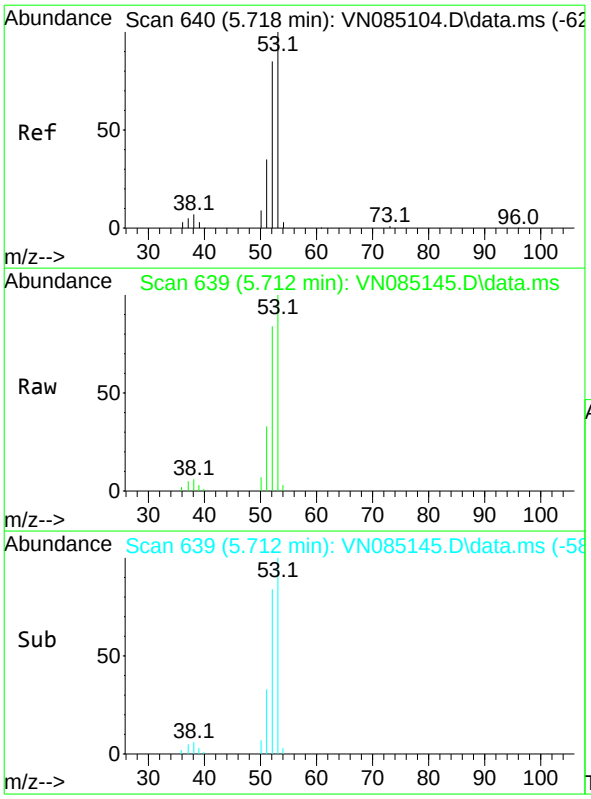


#14
Allyl chloride
Concen: 15.799 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.018 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 41 Resp: 40399

Ion	Ratio	Lower	Upper
41	100		
39	73.9	53.8	80.8
76	39.4	29.3	43.9

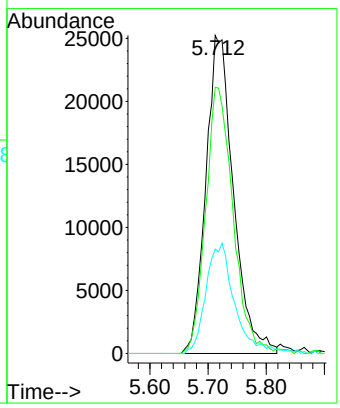




#15
Acrylonitrile
Concen: 107.998 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 53 Resp: 83176

Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.5	98.3
51	36.1	28.4	42.6



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

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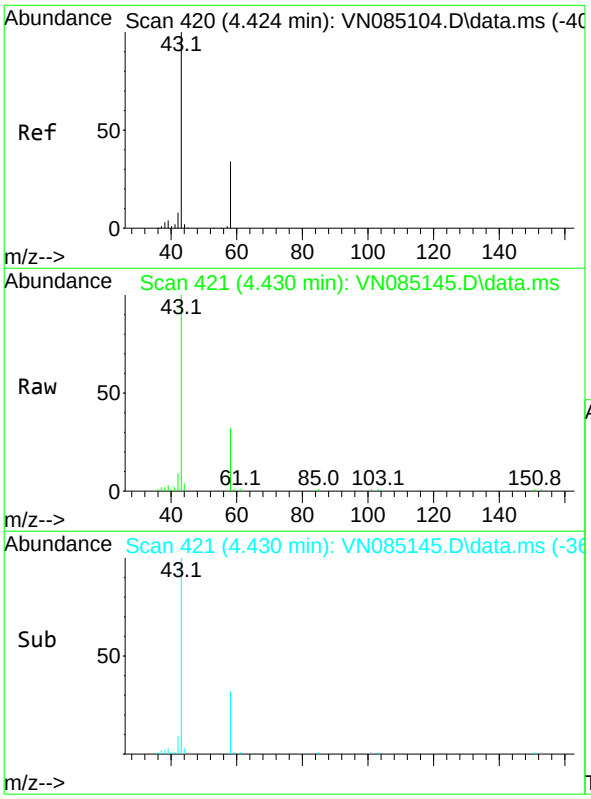
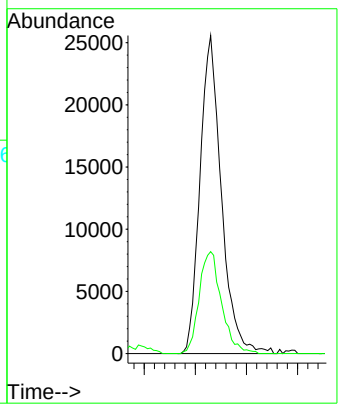
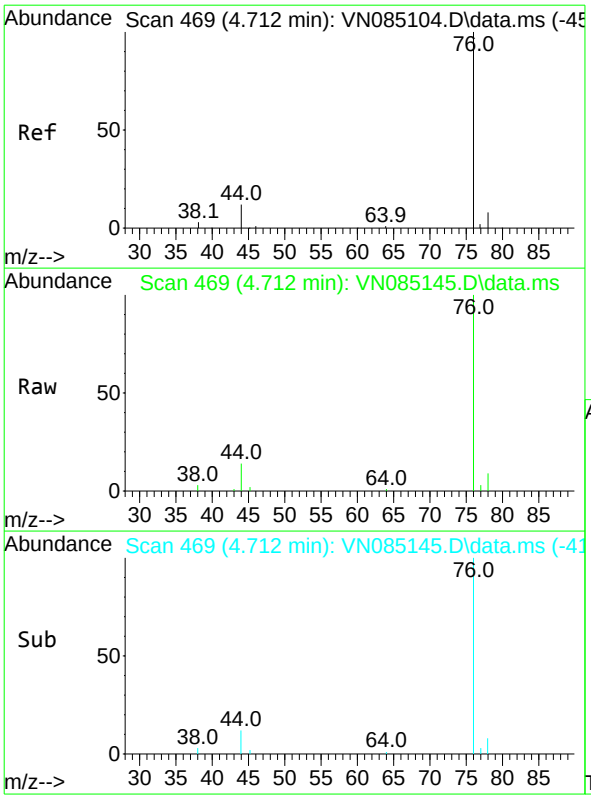


#16
Acetone
Concen: 125.441 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 43 Resp: 74370

Ion	Ratio	Lower	Upper
43	100		
58	32.1	25.4	38.2

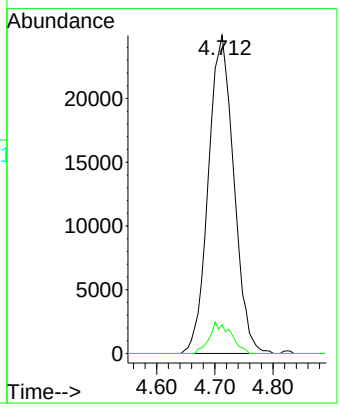




#17
Carbon Disulfide
Concen: 16.942 ug/l
RT: 4.712 min Scan# 46
Delta R.T. 0.018 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 76 Resp: 75855

Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.5	9.7



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

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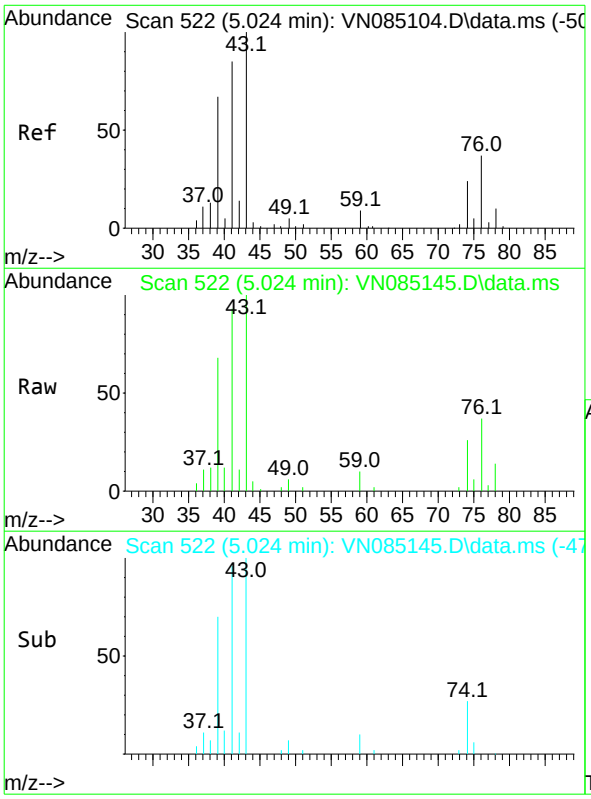
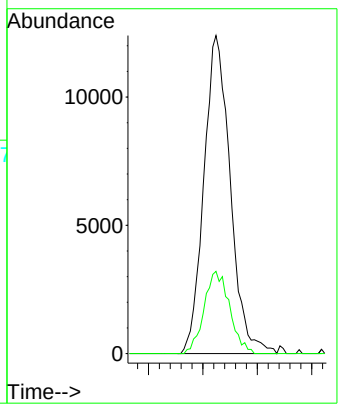
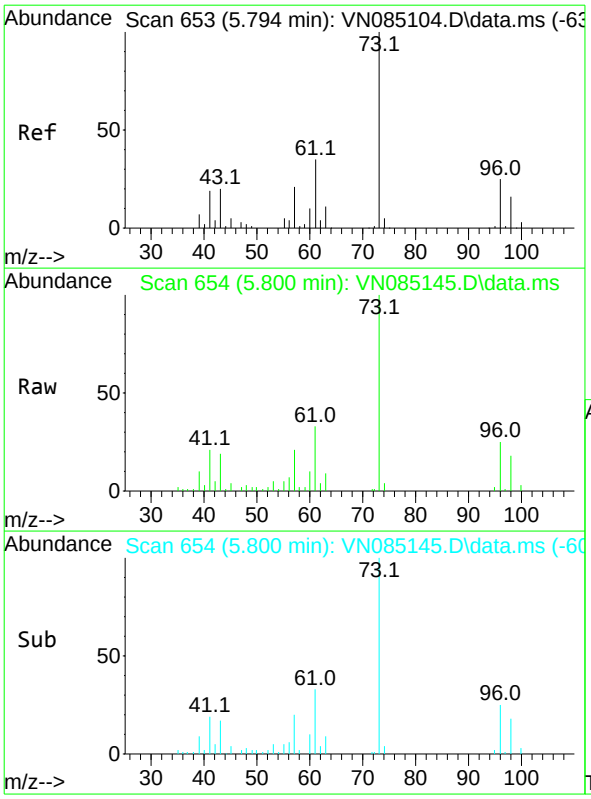


#18
Methyl Acetate
Concen: 21.363 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 43 Resp: 41727

Ion	Ratio	Lower	Upper
43	100		
74	25.0	20.1	30.1

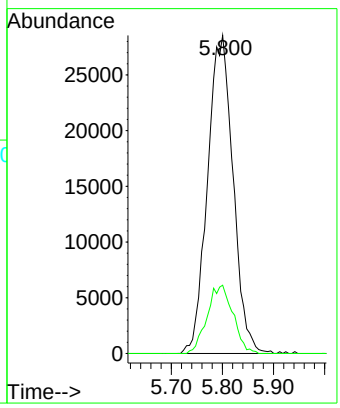




#19
Methyl tert-butyl Ether
Concen: 19.978 ug/l
RT: 5.800 min Scan# 65
Delta R.T. 0.012 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 73 Resp: 99012

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.0	25.4



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

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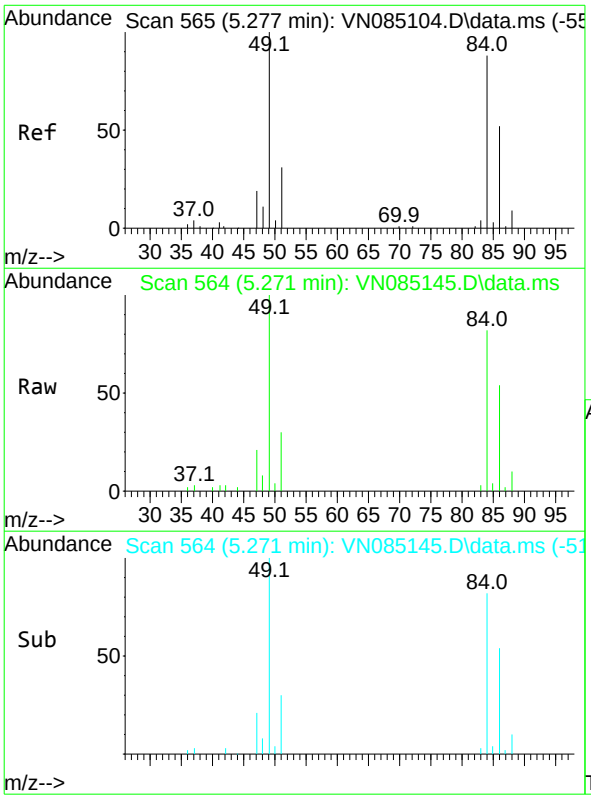
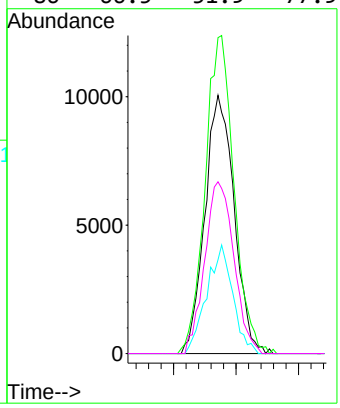
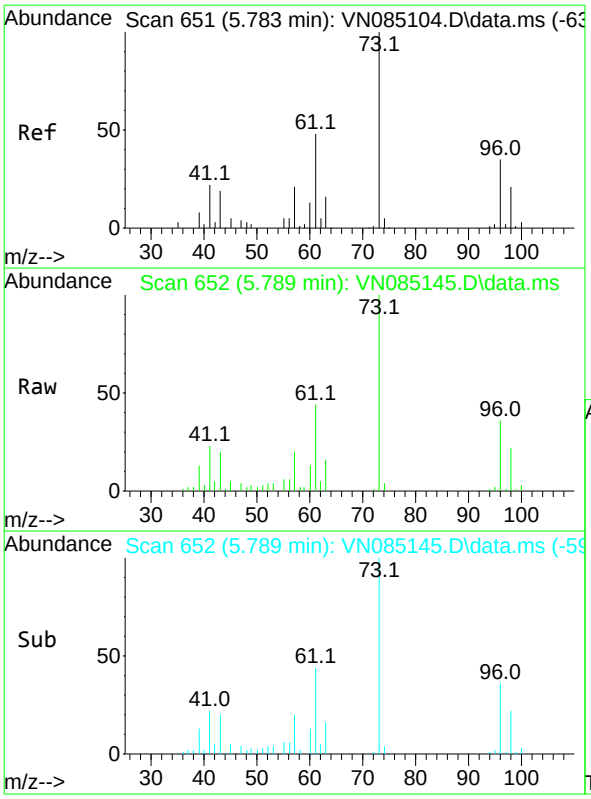


#20
Methylene Chloride
Concen: 18.123 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 84 Resp: 32787

Ion	Ratio	Lower	Upper
84	100		
49	122.3	92.7	139.1
51	36.3	29.4	44.2
86	66.5	51.9	77.9

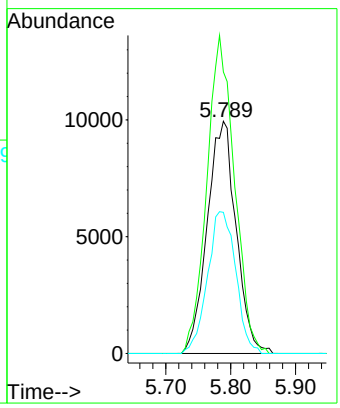




#21
trans-1,2-Dichloroethene
Concen: 19.261 ug/l
RT: 5.789 min Scan# 65
Delta R.T. 0.018 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 96 Resp: 30746

Ion	Ratio	Lower	Upper
96	100		
61	121.3	100.7	151.1
98	60.8	45.8	68.6



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

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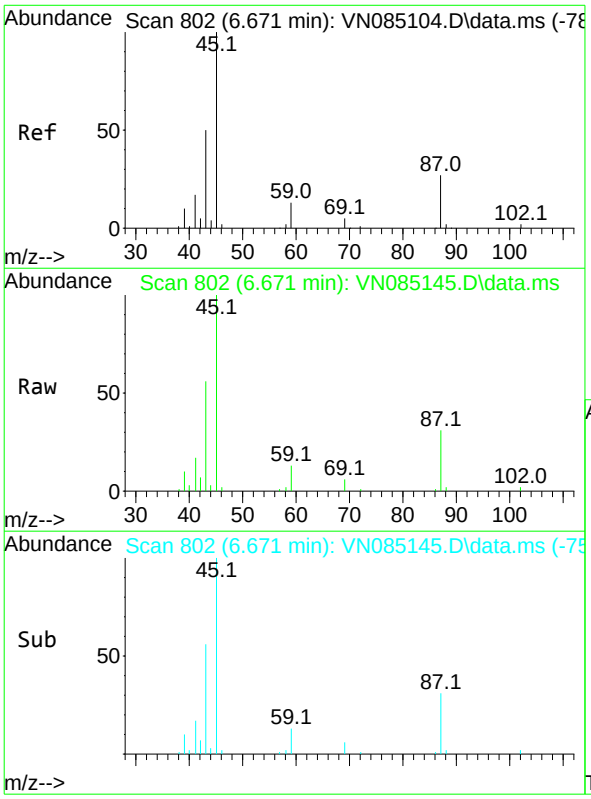
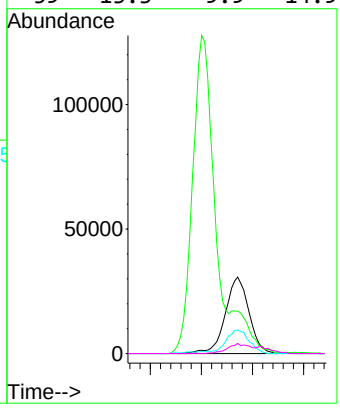
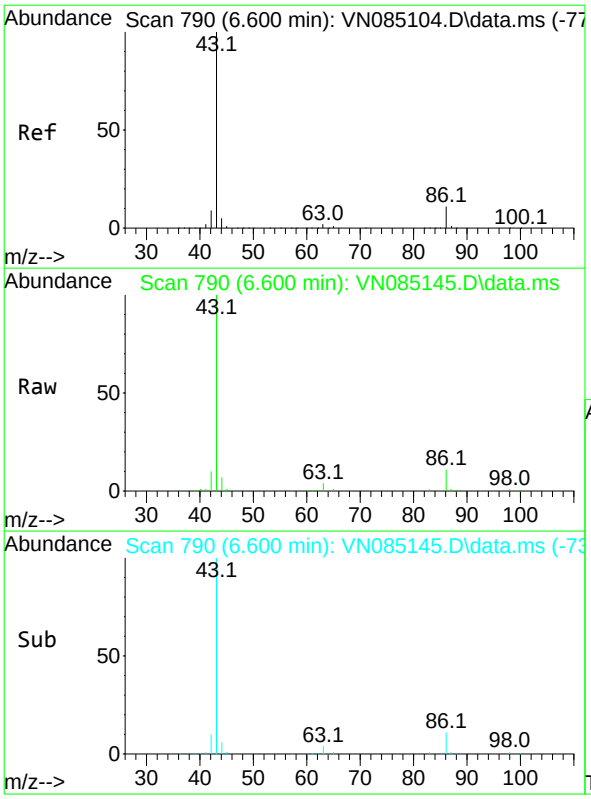


#22
Diisopropyl ether
Concen: 19.159 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 45 Resp: 98604

Ion	Ratio	Lower	Upper
45	100		
43	54.1	42.7	64.1
87	30.9	22.6	34.0
59	13.3	9.9	14.9





#23
Vinyl Acetate
Concen: 102.144 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 43 Resp: 362666

Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.9	13.3

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

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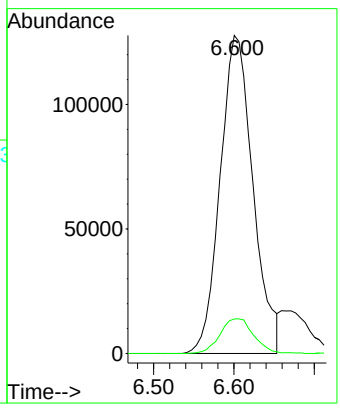
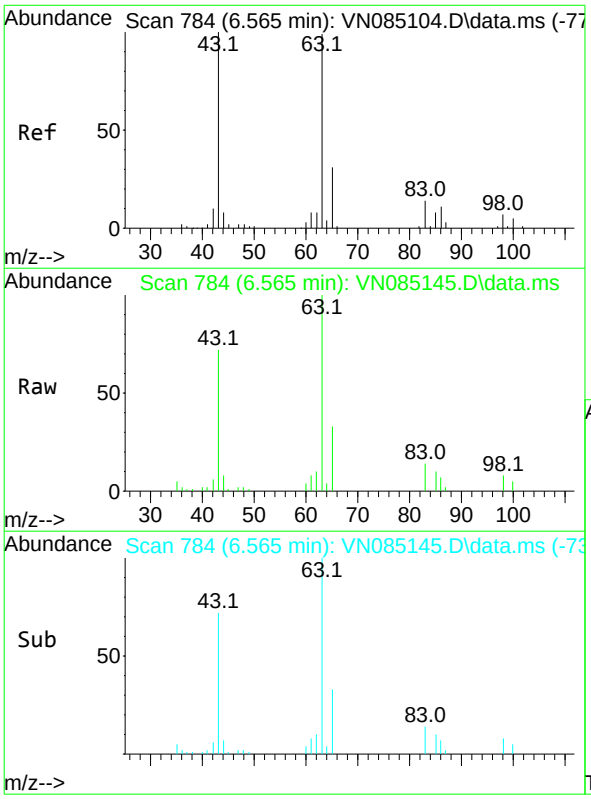
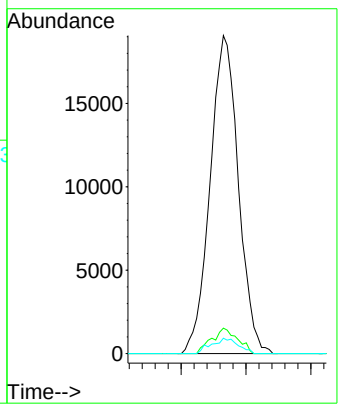


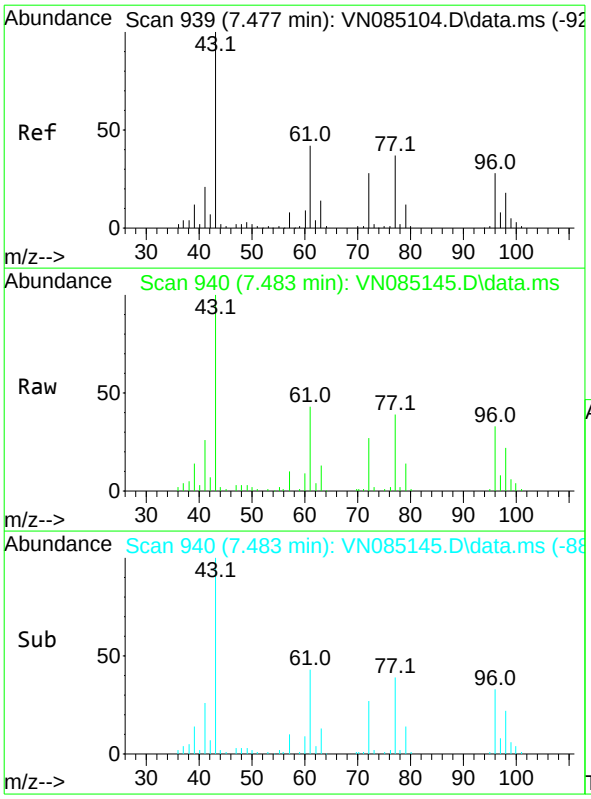


#24
1,1-Dichloroethane
Concen: 18.746 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.012 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 63 Resp: 57735

Ion	Ratio	Lower	Upper
63	100		
98	8.0	3.3	9.8
100	4.8	2.2	6.6

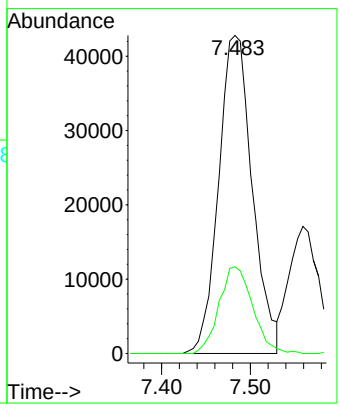




#25
2-Butanone
Concen: 116.364 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 43 Resp: 112790

Ion	Ratio	Lower	Upper
43	100		
72	27.3	21.4	32.0



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

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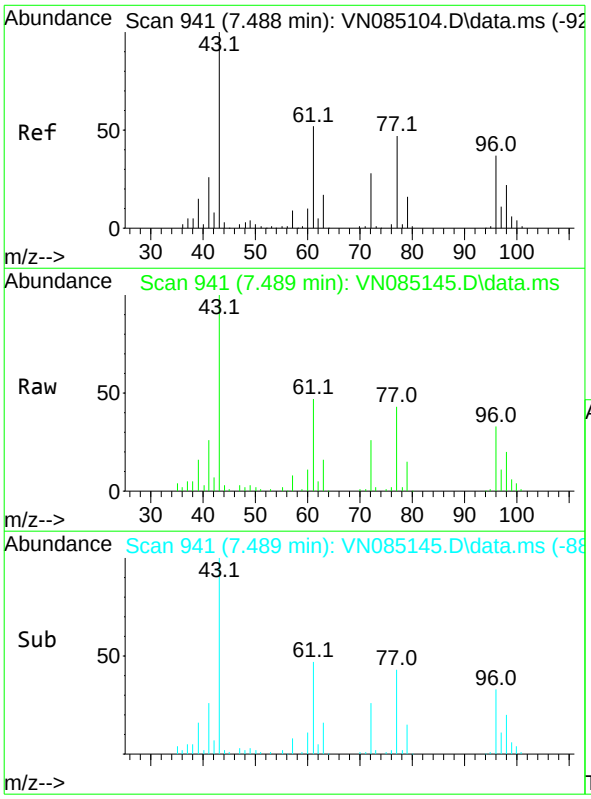
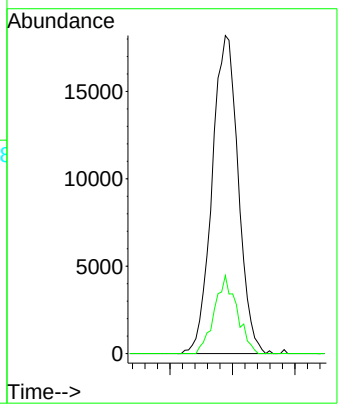
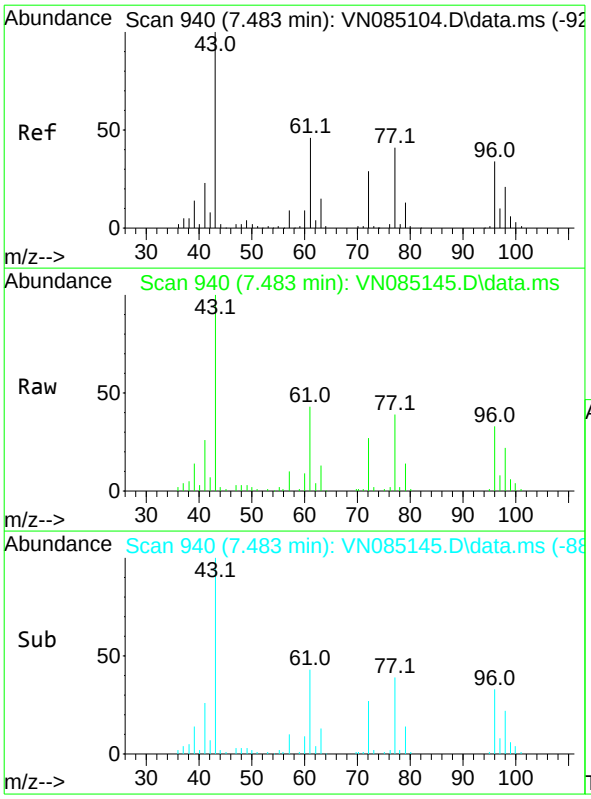


#26
2,2-Dichloropropane
Concen: 18.386 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 77 Resp: 52876

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.9	32.7

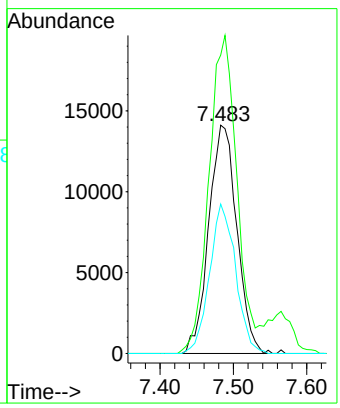




#27
cis-1,2-Dichloroethene
Concen: 19.514 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 96 Resp: 37551

Ion	Ratio	Lower	Upper
96	100		
61	141.2	0.0	291.6
98	60.8	0.0	129.8



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

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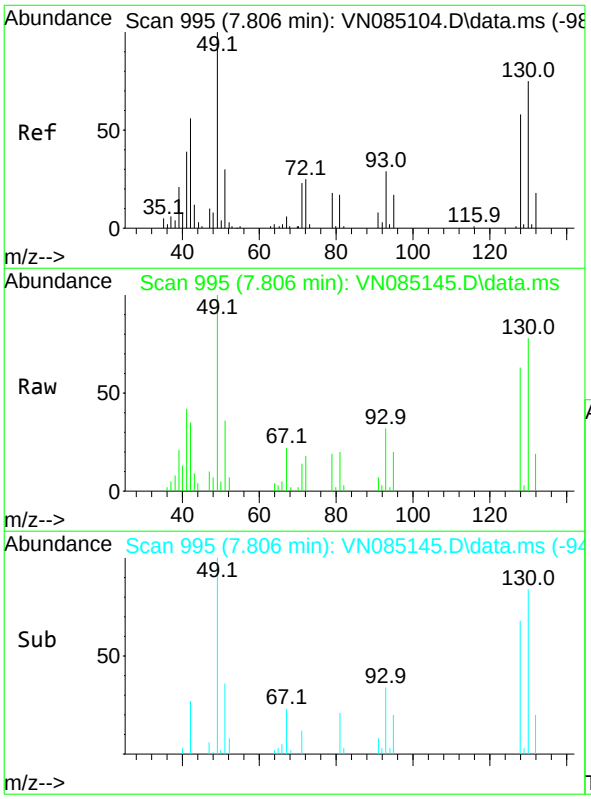
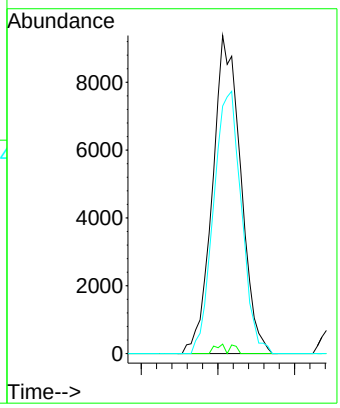
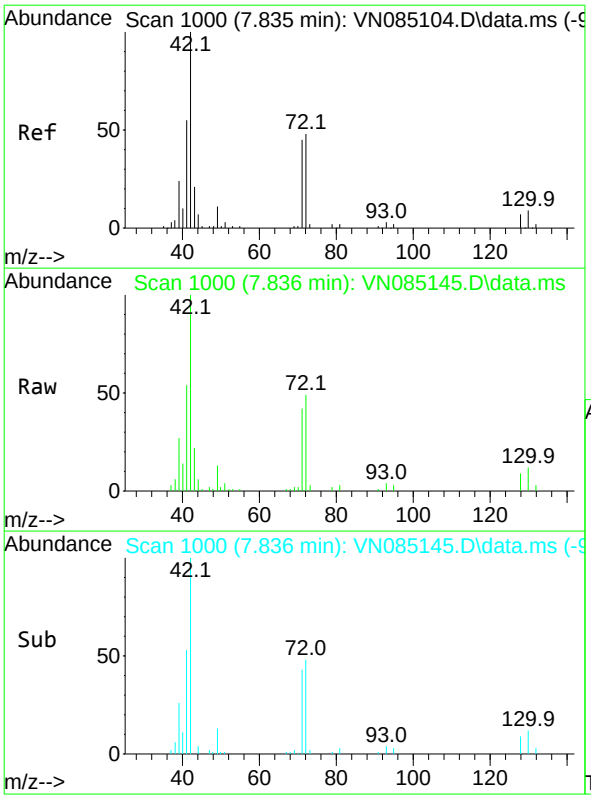


#28
Bromochloromethane
Concen: 20.617 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 49 Resp: 23969

Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.0
130	0.0	60.6	90.8#

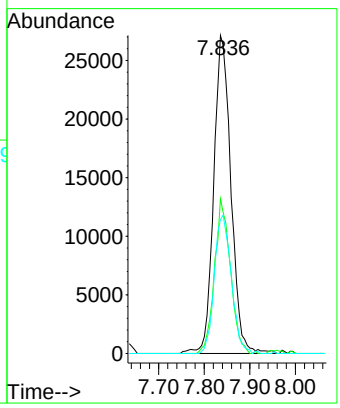




#29
Tetrahydrofuran
Concen: 118.337 ug/l
RT: 7.836 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 42 Resp: 71330

Ion	Ratio	Lower	Upper
42	100		
72	44.7	37.0	55.4
71	42.8	35.0	52.4



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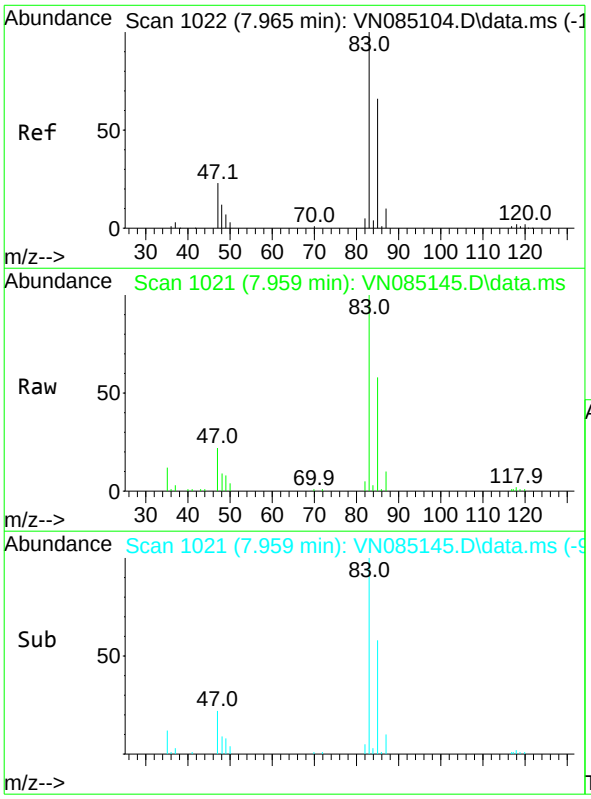
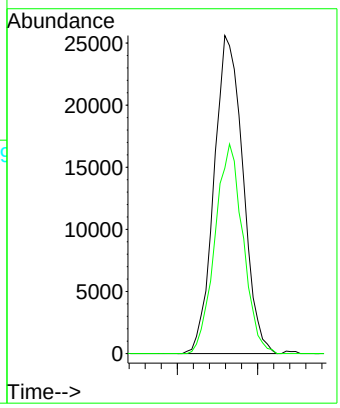
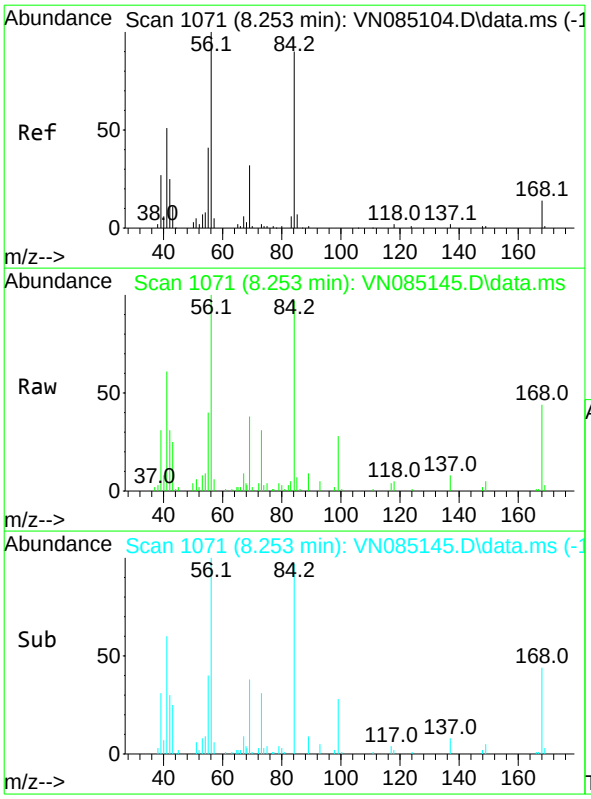


#30
Chloroform
Concen: 19.513 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 83 Resp: 63927

Ion	Ratio	Lower	Upper
83	100		
85	58.3	52.6	78.8

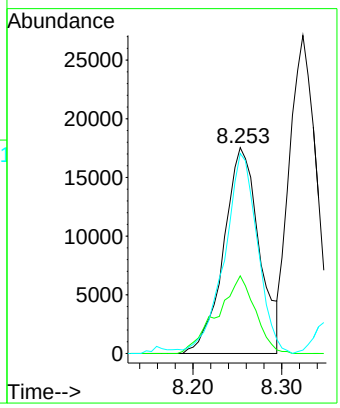




#31
Cyclohexane
Concen: 17.980 ug/l
RT: 8.253 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 56 Resp: 48755

Ion	Ratio	Lower	Upper
56	100		
69	37.7	24.6	36.8#
84	95.1	71.4	107.2



Instrument :
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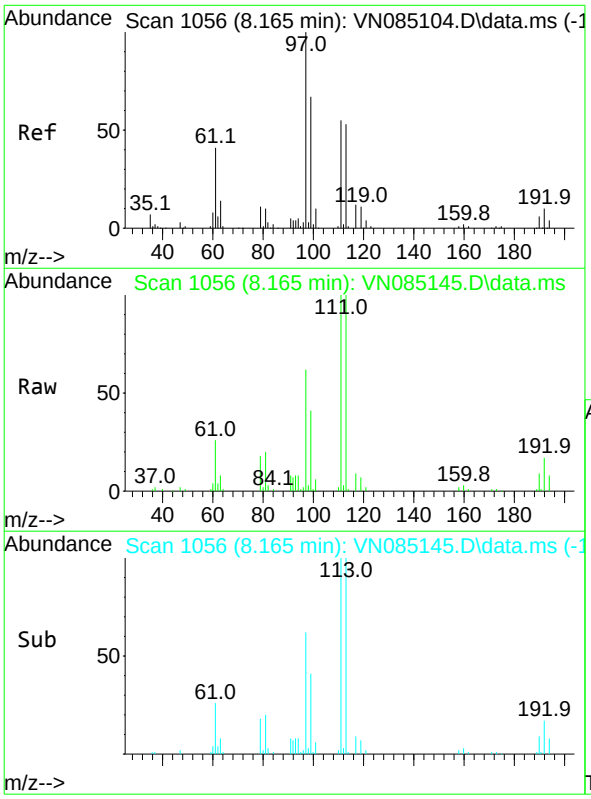
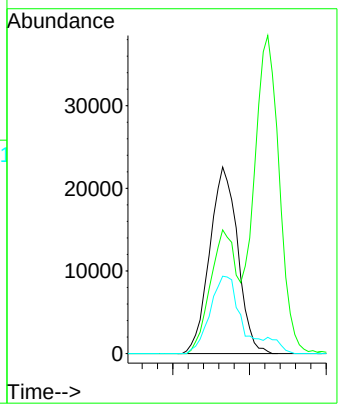
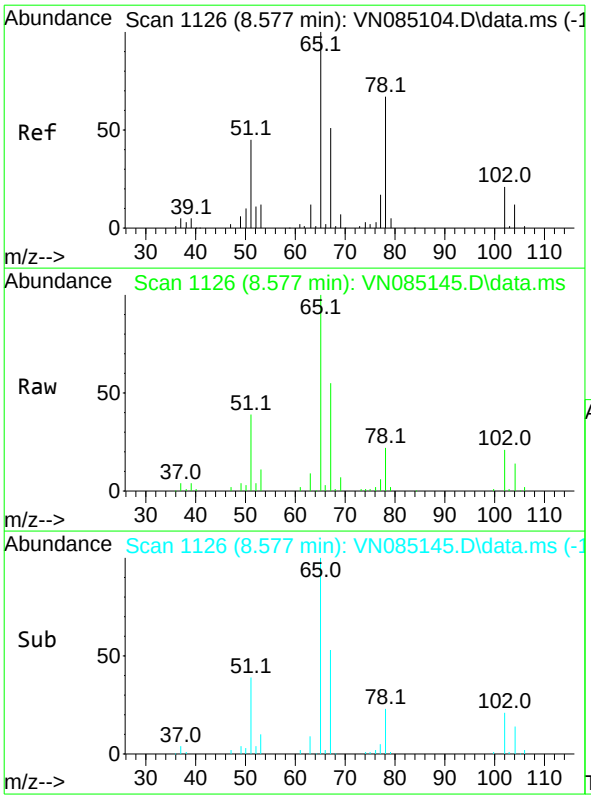


#32
1,1,1-Trichloroethane
Concen: 19.337 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 97 Resp: 57246

Ion	Ratio	Lower	Upper
97	100		
99	62.4	51.0	76.4
61	45.1	36.2	54.2

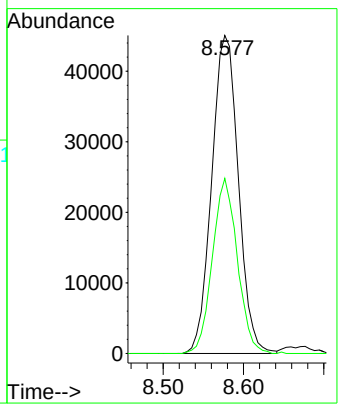




#33
1,2-Dichloroethane-d4
Concen: 51.041 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 65 Resp: 103903

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	105.0



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

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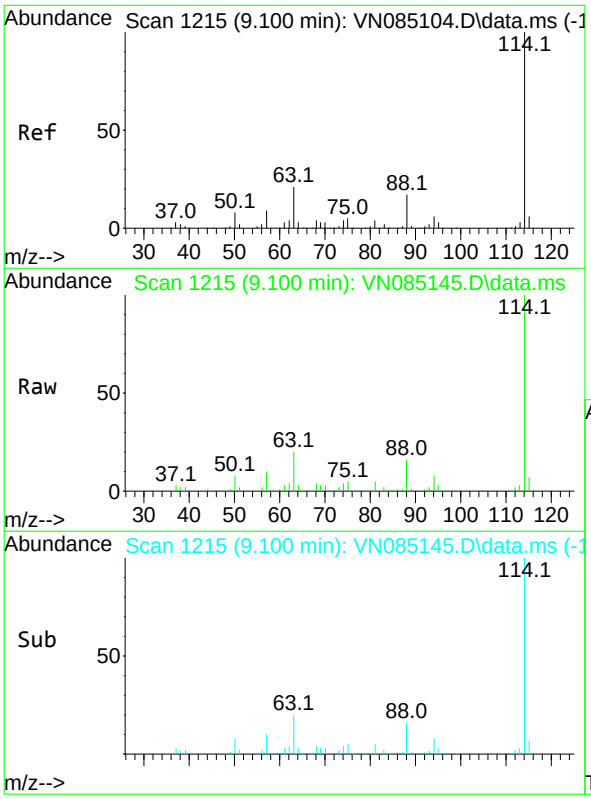
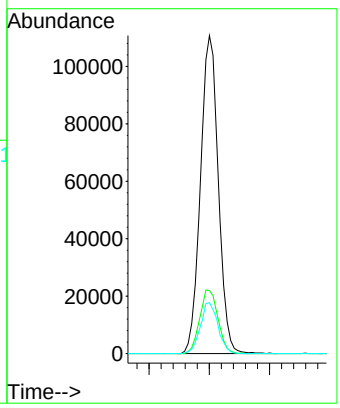
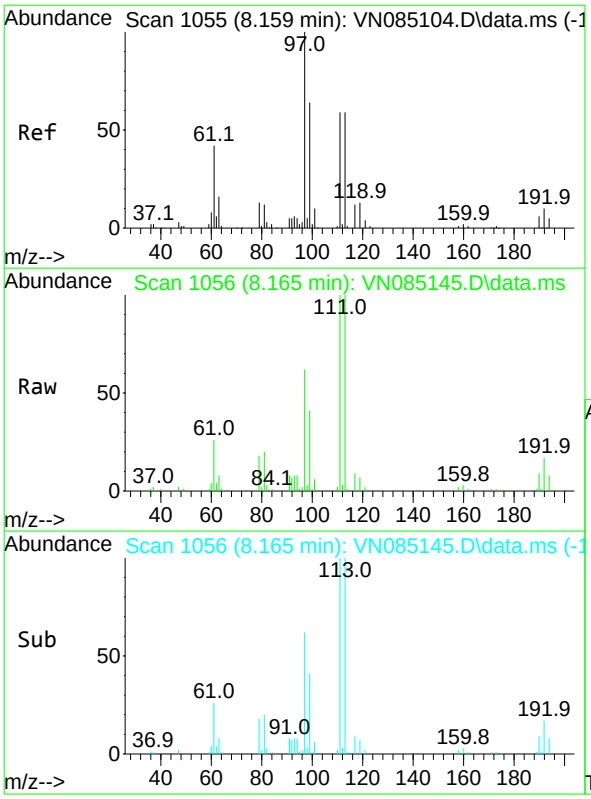


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:114 Resp: 227734

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	41.0
88	16.0	0.0	34.8

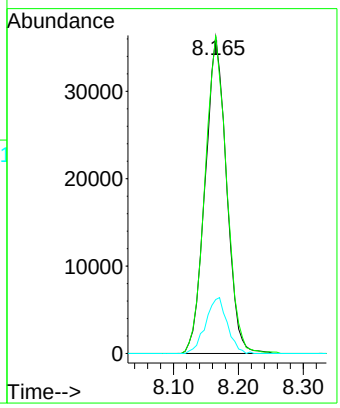




#35
Dibromofluoromethane
Concen: 53.889 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:113 Resp: 82760

Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.0	123.0
192	17.8	14.8	22.2



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

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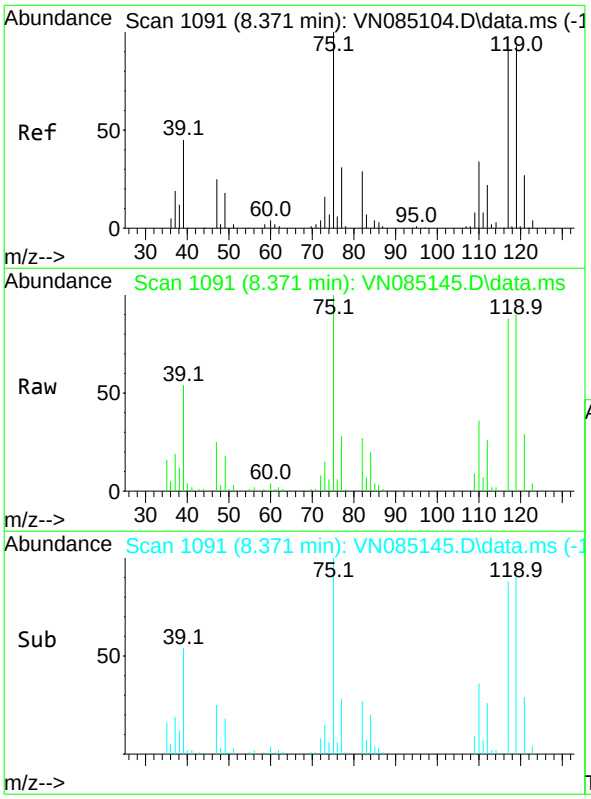
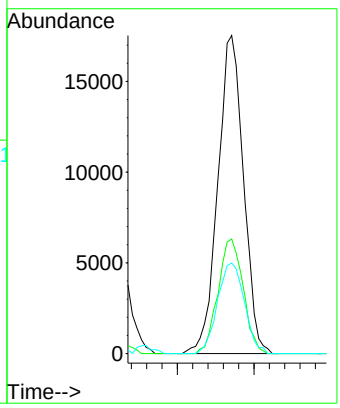
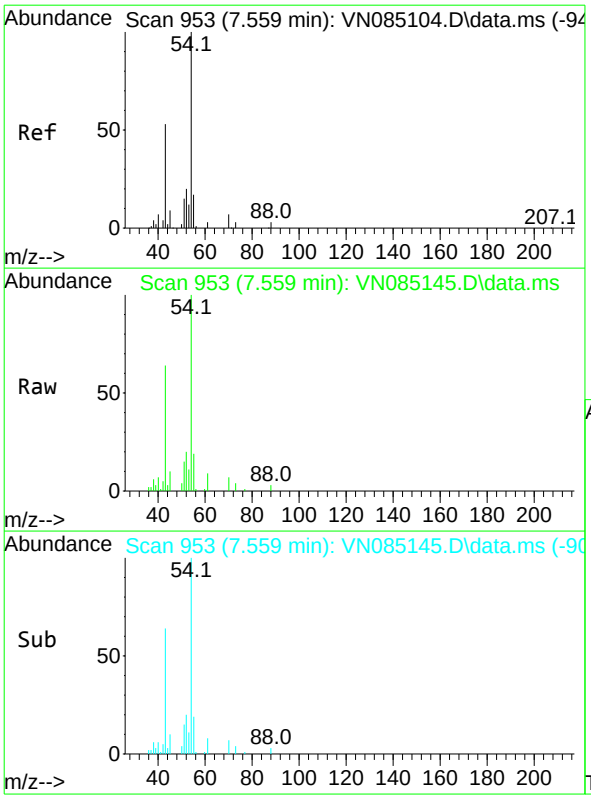


#36
1,1-Dichloropropene
Concen: 19.540 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 75 Resp: 40646

Ion	Ratio	Lower	Upper
75	100		
110	35.3	17.2	51.6
77	29.8	24.2	36.4

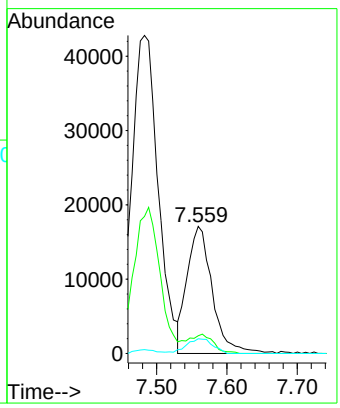




#37
Ethyl Acetate
Concen: 22.530 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 43 Resp: 42607

Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.7	17.5
70	12.2	9.3	13.9



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

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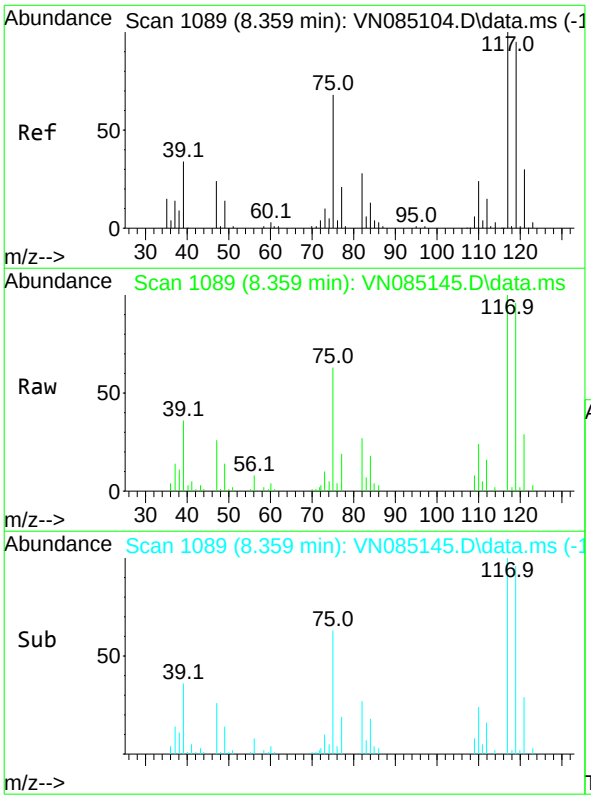
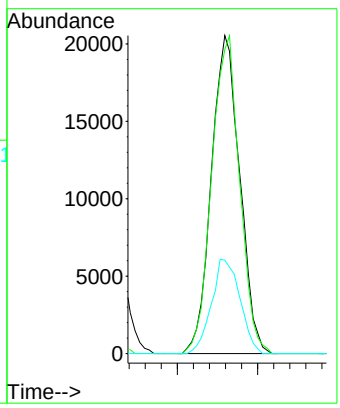
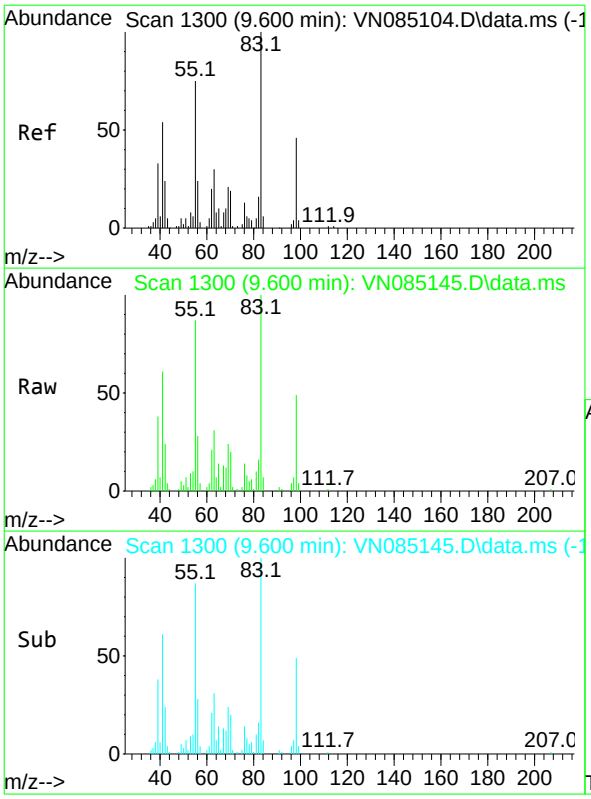


#38
Carbon Tetrachloride
Concen: 20.975 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:117 Resp: 50365

Ion	Ratio	Lower	Upper
117	100		
119	95.6	78.6	117.8
121	29.4	24.2	36.2





#39
Methylcyclohexane
Concen: 18.501 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 83 Resp: 39992

Ion	Ratio	Lower	Upper
83	100		
55	87.3	61.8	92.6
98	48.8	37.0	55.6

Instrument :
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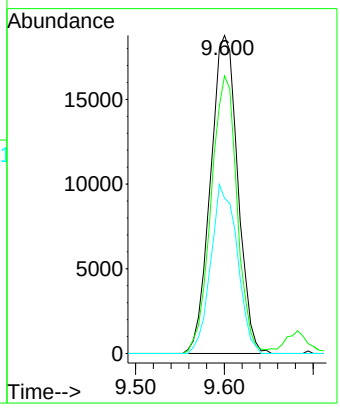
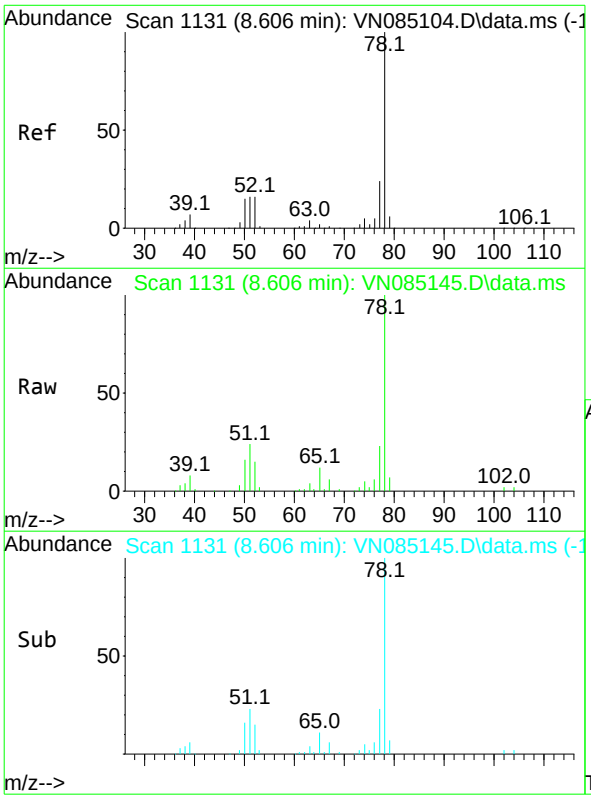
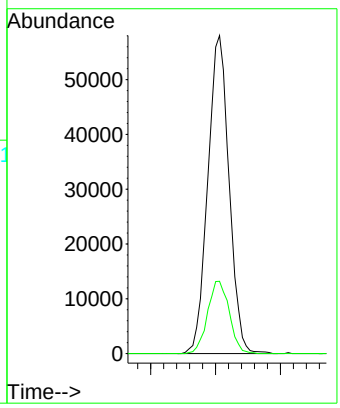


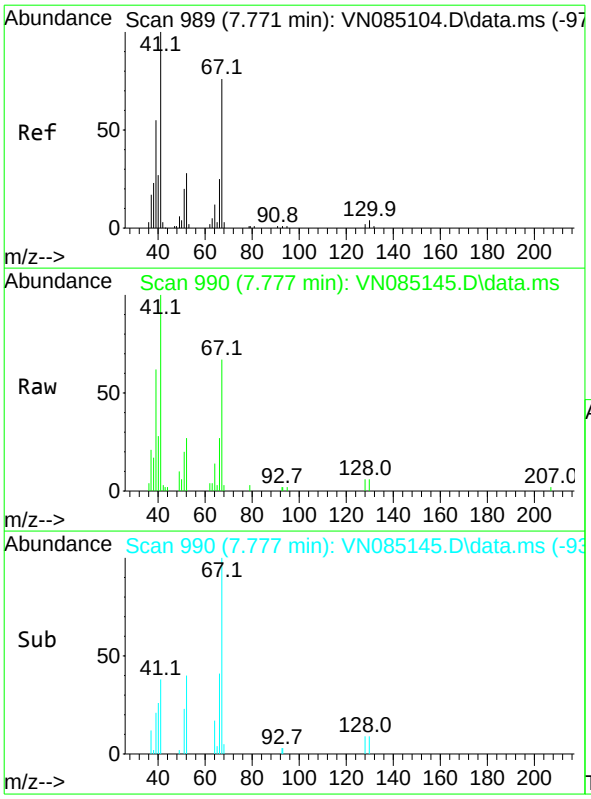


#40
Benzene
Concen: 20.048 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 78 Resp: 131898

Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.5	27.7

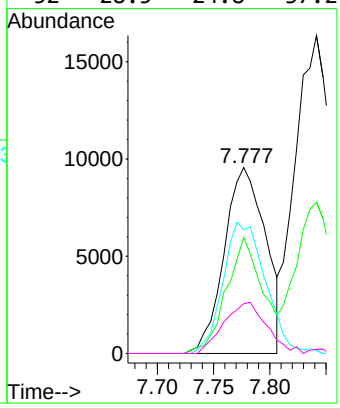




#41
Methacrylonitrile
Concen: 23.385 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 41 Resp: 24485

Ion	Ratio	Lower	Upper
41	100		
39	54.5	42.6	63.8
67	72.3	59.9	89.9
52	28.5	24.8	37.2



Instrument :
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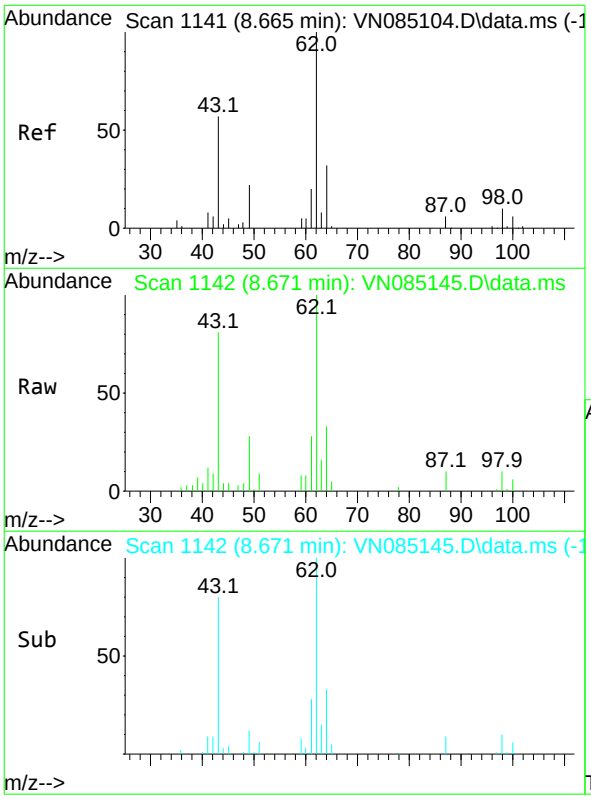
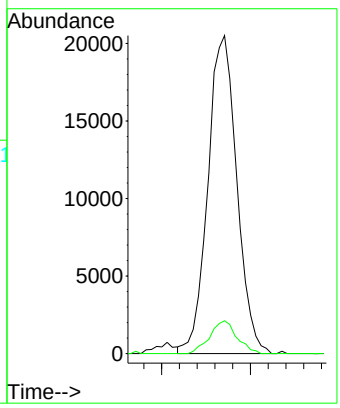
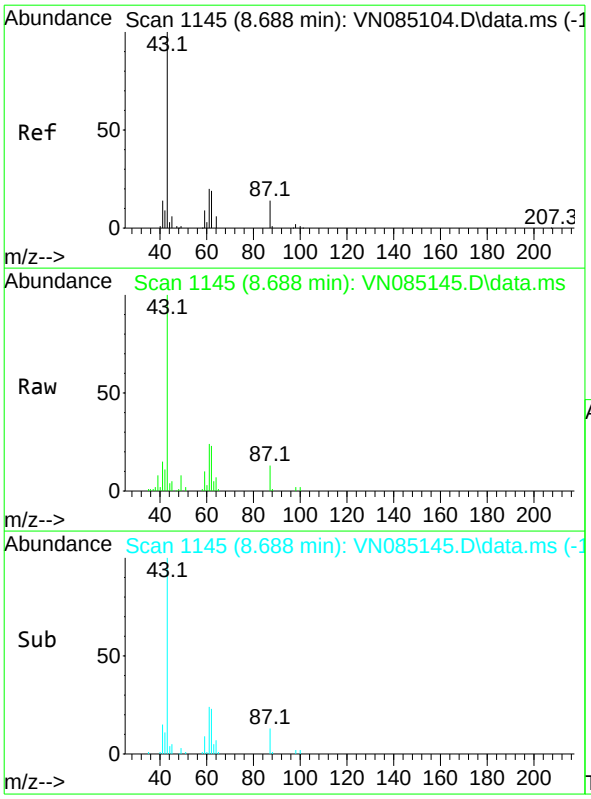


#42
1,2-Dichloroethane
Concen: 20.649 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 62 Resp: 46478

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.2

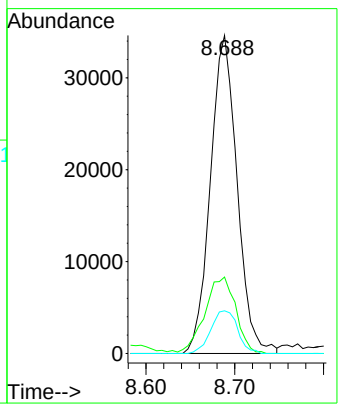




#43
Isopropyl Acetate
Concen: 18.444 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 43 Resp: 72452

Ion	Ratio	Lower	Upper
43	100		
61	27.8	20.6	30.8
87	13.5	11.0	16.4



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

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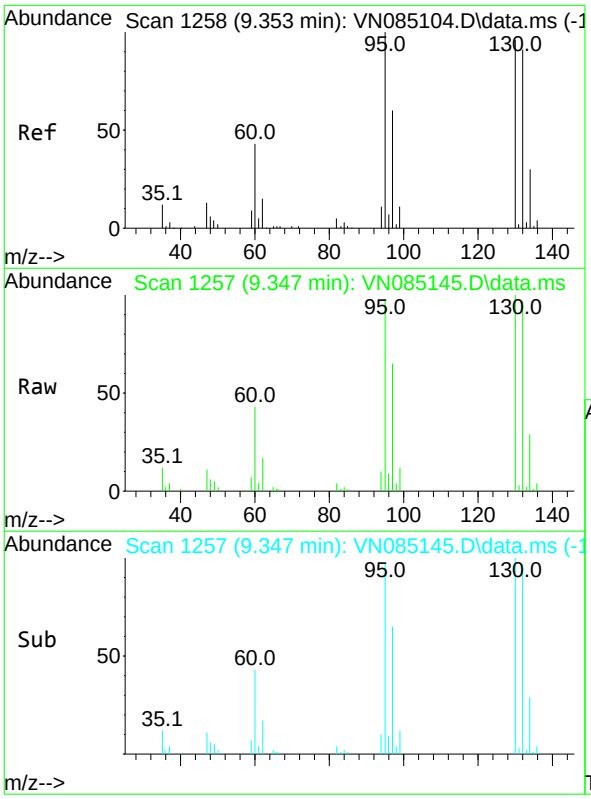
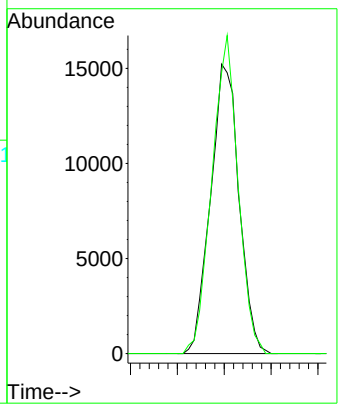
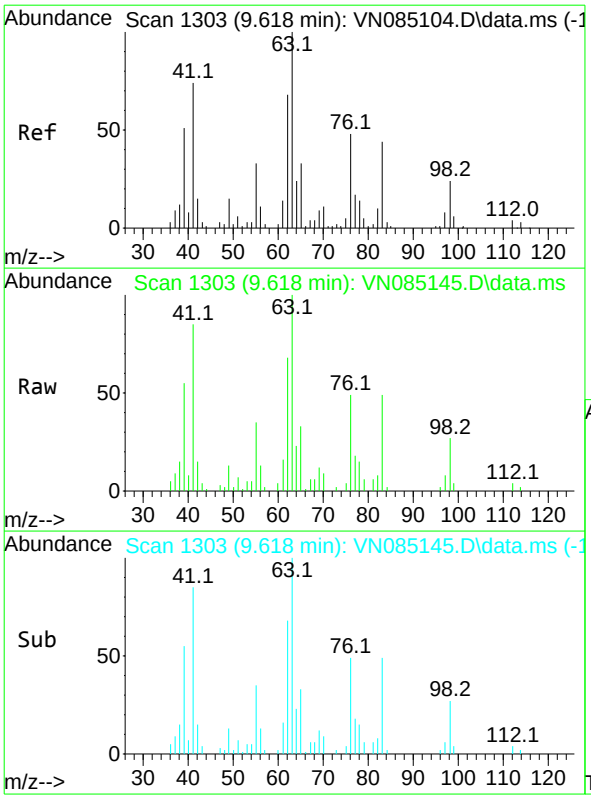


#44
Trichloroethene
Concen: 21.047 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:130 Resp: 32181

Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	213.4

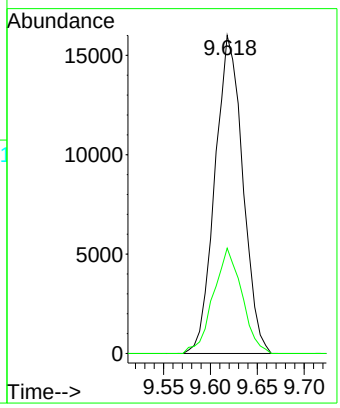




#45
1,2-Dichloropropane
Concen: 20.380 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 63 Resp: 33025

Ion	Ratio	Lower	Upper
63	100		
65	33.1	24.0	36.0



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

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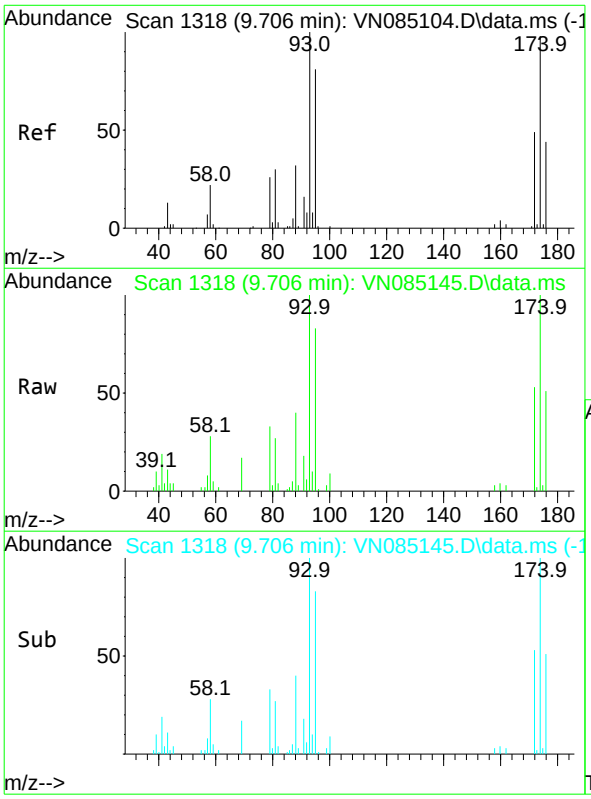
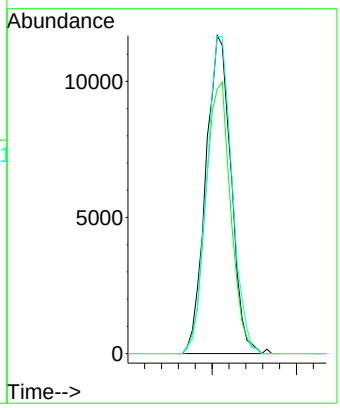
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

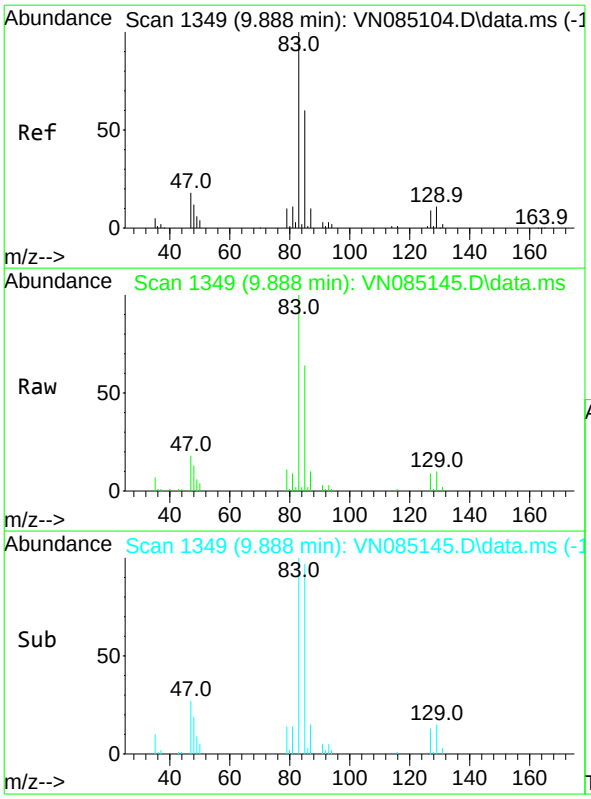


#46
Dibromomethane
Concen: 21.544 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 93 Resp: 24259

Ion	Ratio	Lower	Upper
93	100		
95	84.8	66.2	99.4
174	99.8	74.9	112.3

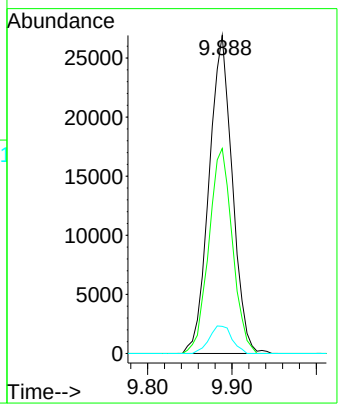




#47
Bromodichloromethane
Concen: 21.610 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 83 Resp: 51571

Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.5	75.7
127	8.5	7.1	10.7



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

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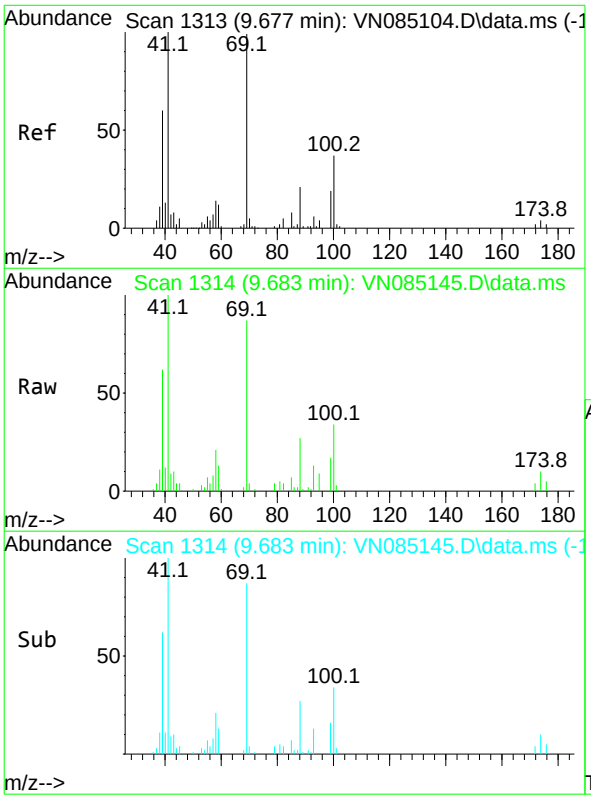
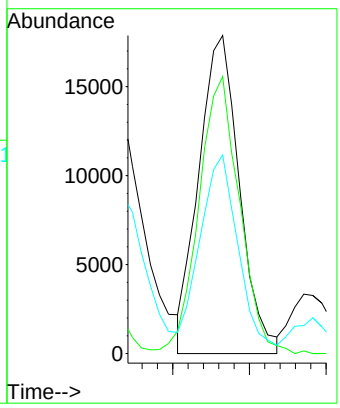
Supervised By :Mahesh Dadoda 12/10/2024

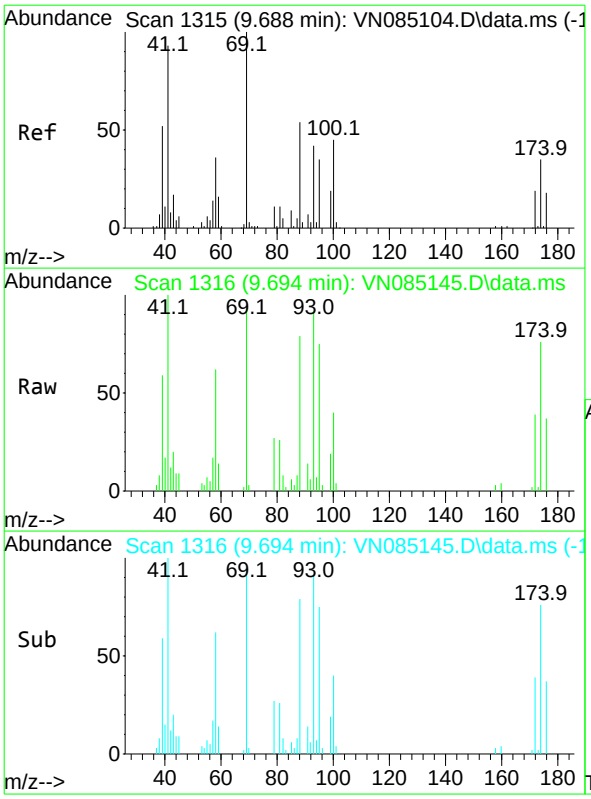


#48
Methyl methacrylate
Concen: 22.453 ug/l
RT: 9.683 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 41 Resp: 32820

Ion	Ratio	Lower	Upper
41	100		
69	87.5	73.2	109.8
39	59.4	46.2	69.4

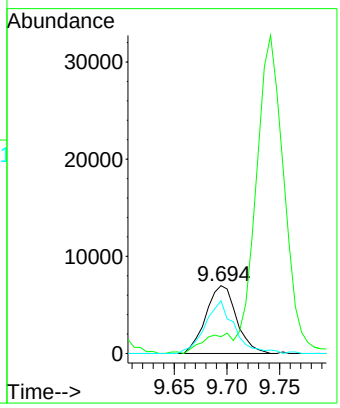




#49
1,4-Dioxane
Concen: 555.200 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 88 Resp: 14074

Ion	Ratio	Lower	Upper
88	100		
43	20.3	16.7	25.1
58	74.4	56.5	84.7



Instrument :
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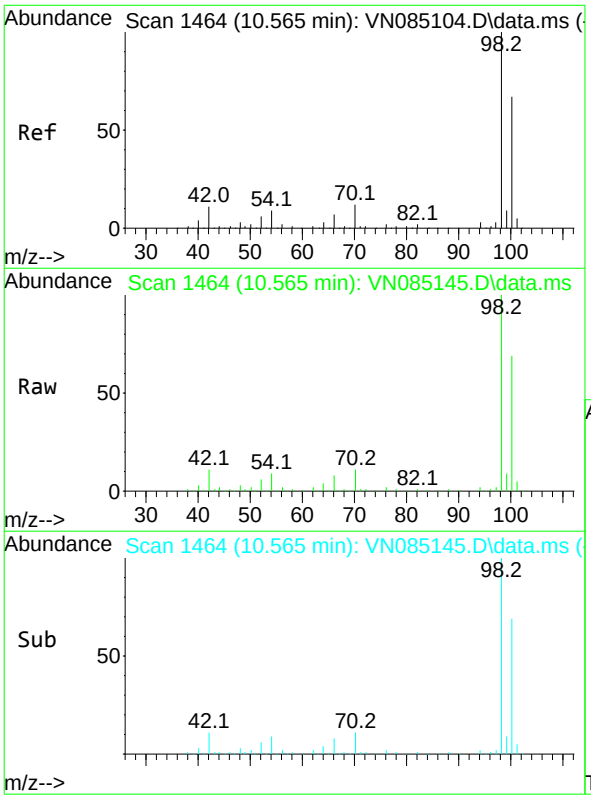
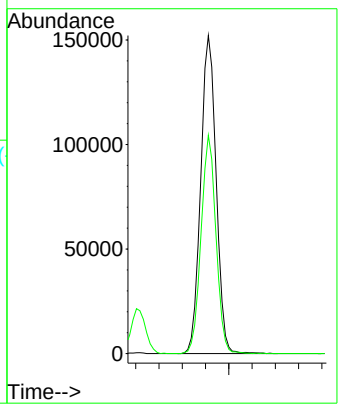
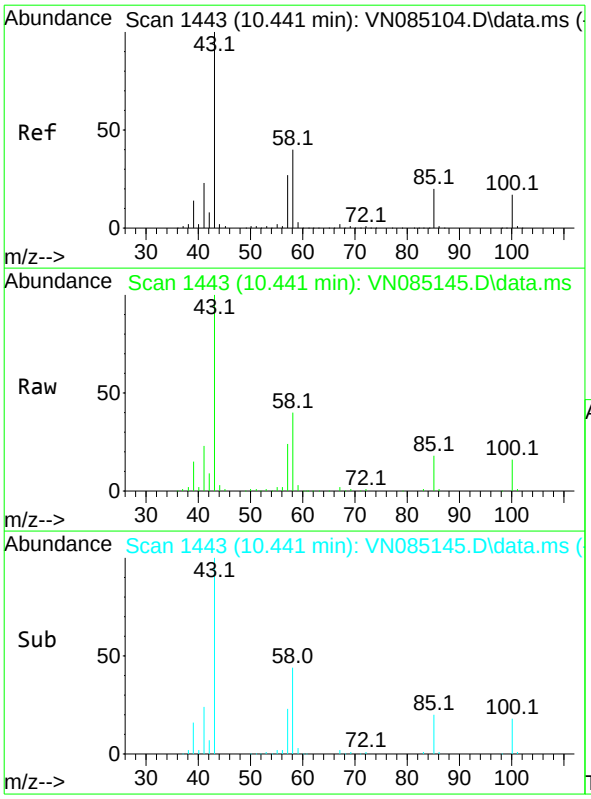


#50
Toluene-d8
Concen: 50.954 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 98 Resp: 280439

Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.5	78.7

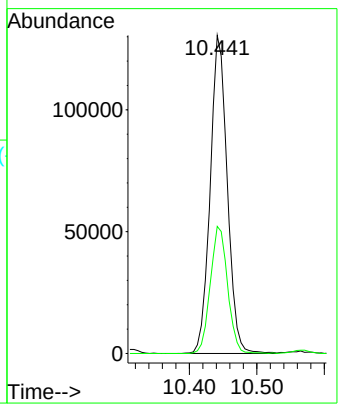




#51
4-Methyl-2-Pentanone
Concen: 127.955 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 43 Resp: 229577

Ion	Ratio	Lower	Upper
43	100		
58	40.4	32.1	48.1



Instrument :
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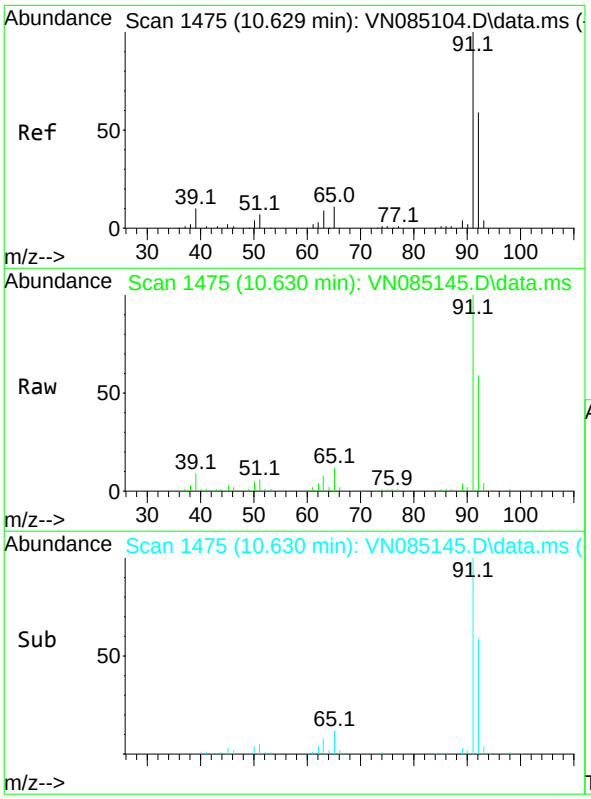
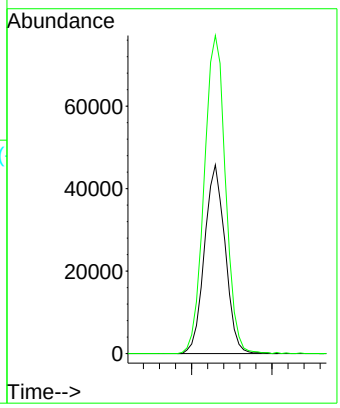
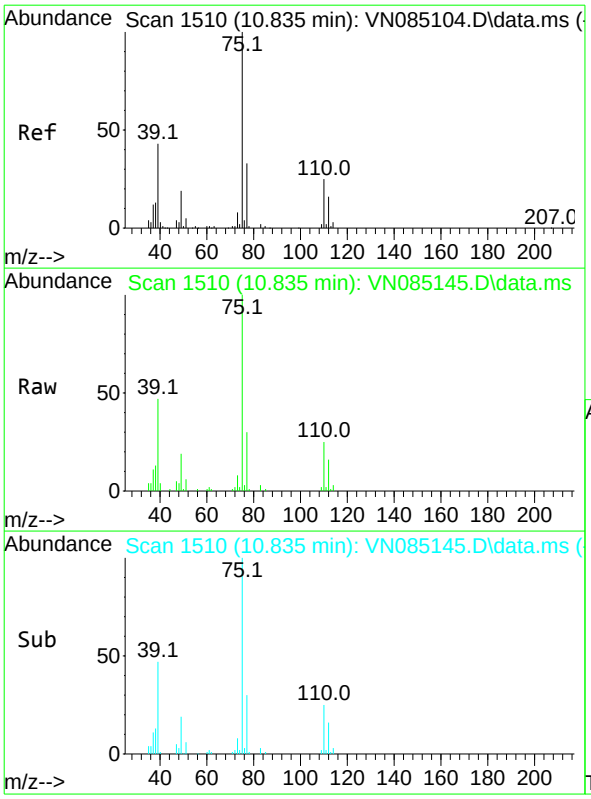


#52
Toluene
Concen: 21.014 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 92 Resp: 81847

Ion	Ratio	Lower	Upper
92	100		
91	173.5	136.7	205.1

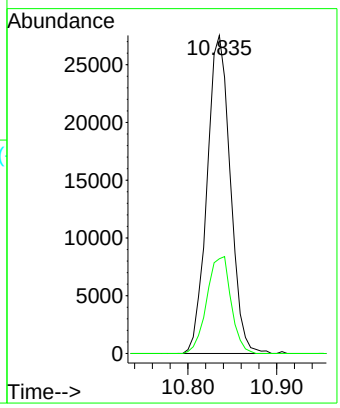




#53
t-1,3-Dichloropropene
Concen: 20.921 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 75 Resp: 50056

Ion	Ratio	Lower	Upper
75	100		
77	29.8	25.0	37.4



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

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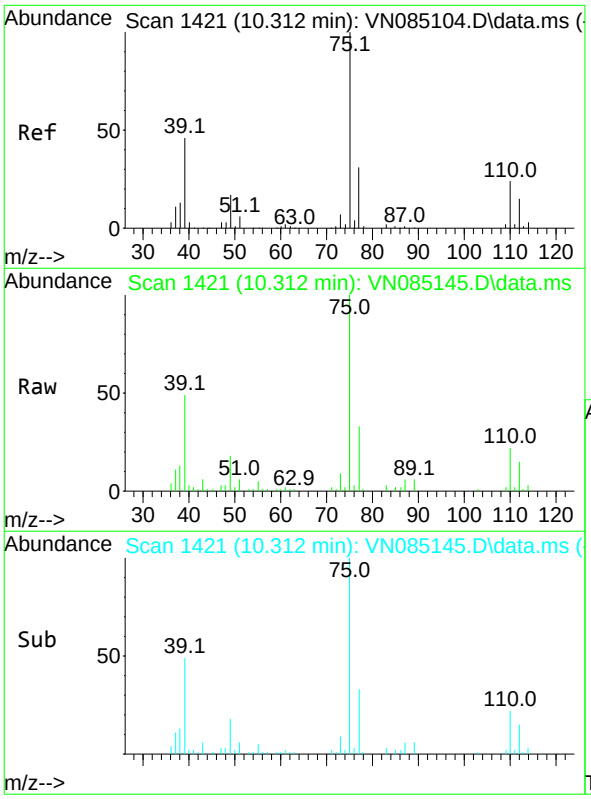
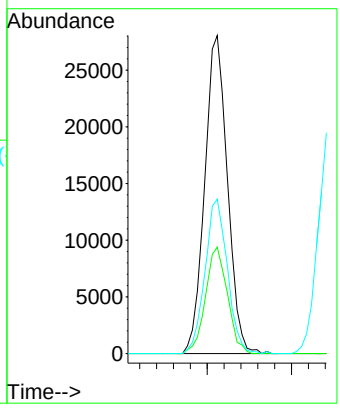
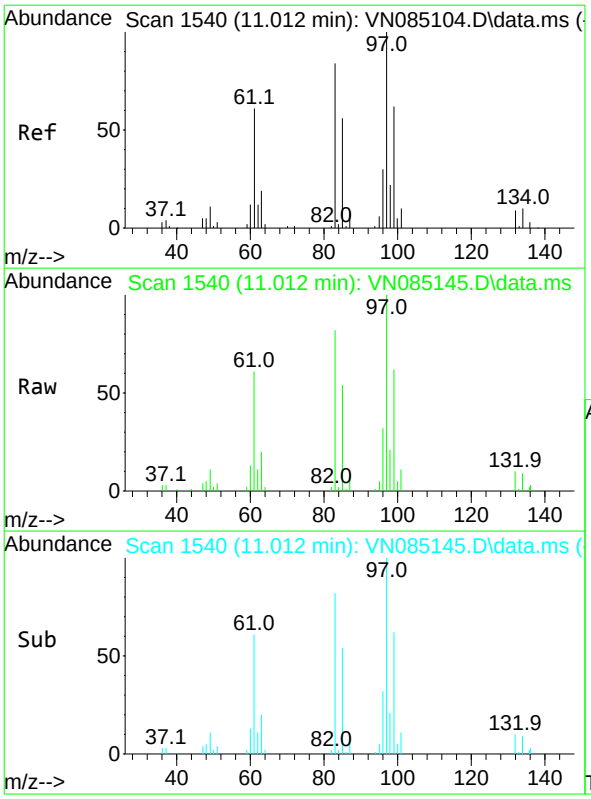


#54
cis-1,3-Dichloropropene
Concen: 20.678 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 75 Resp: 52486

Ion	Ratio	Lower	Upper
75	100		
77	33.5	25.0	37.4
39	48.6	37.6	56.4

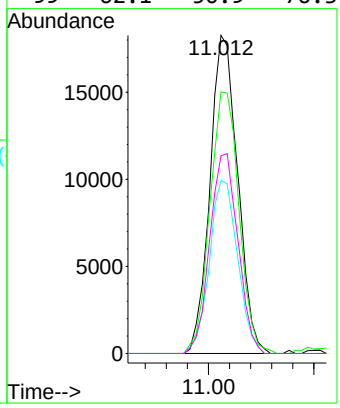




#55
1,1,2-Trichloroethane
Concen: 22.978 ug/l
RT: 11.012 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 97 Resp: 33335

Ion	Ratio	Lower	Upper
97	100		
83	82.3	67.4	101.2
85	54.5	43.1	64.7
99	62.1	50.9	76.3



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

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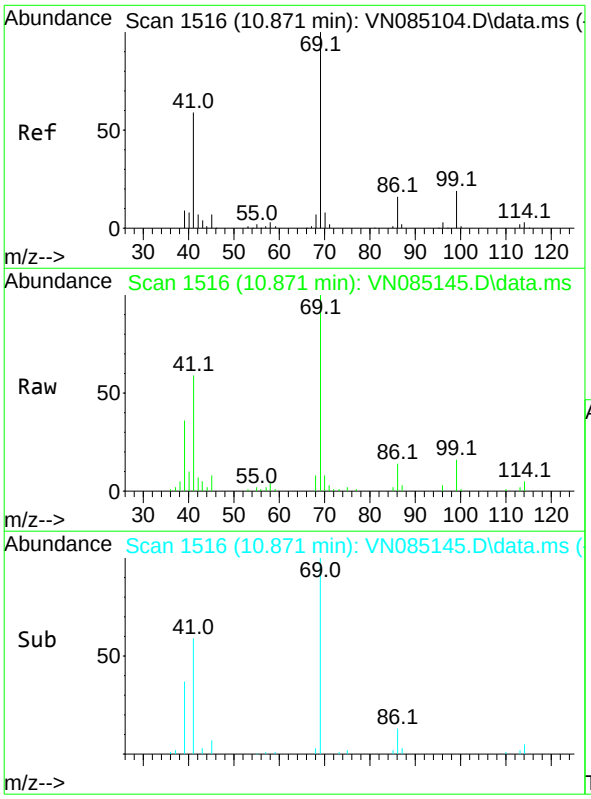
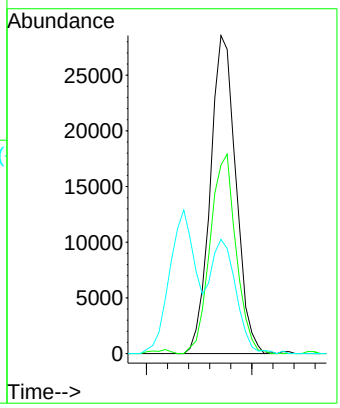
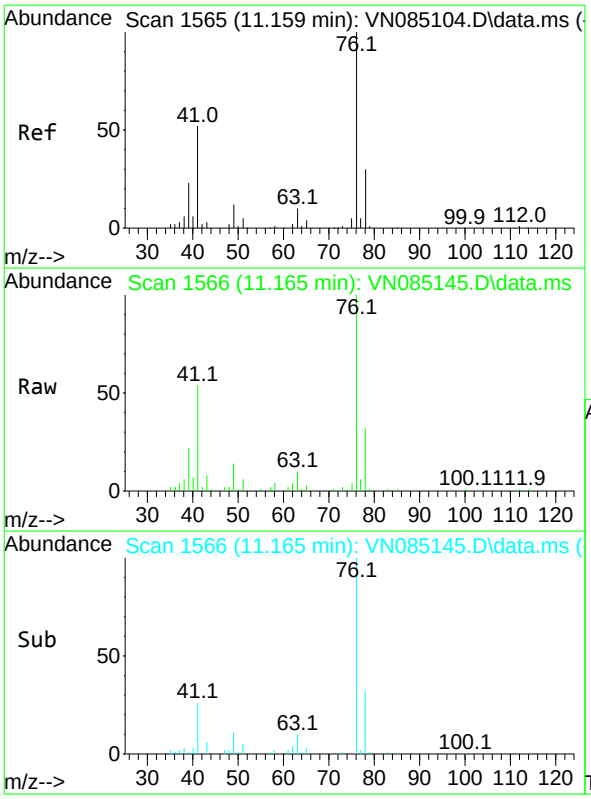


#56
Ethyl methacrylate
Concen: 22.755 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 69 Resp: 48238

Ion	Ratio	Lower	Upper
69	100		
41	63.4	50.0	75.0
39	36.2	27.0	40.6

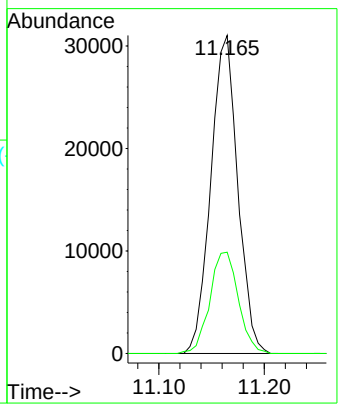




#57
1,3-Dichloropropane
Concen: 21.568 ug/l
RT: 11.165 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 76 Resp: 55071

Ion	Ratio	Lower	Upper
76	100		
78	33.7	26.1	39.1



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

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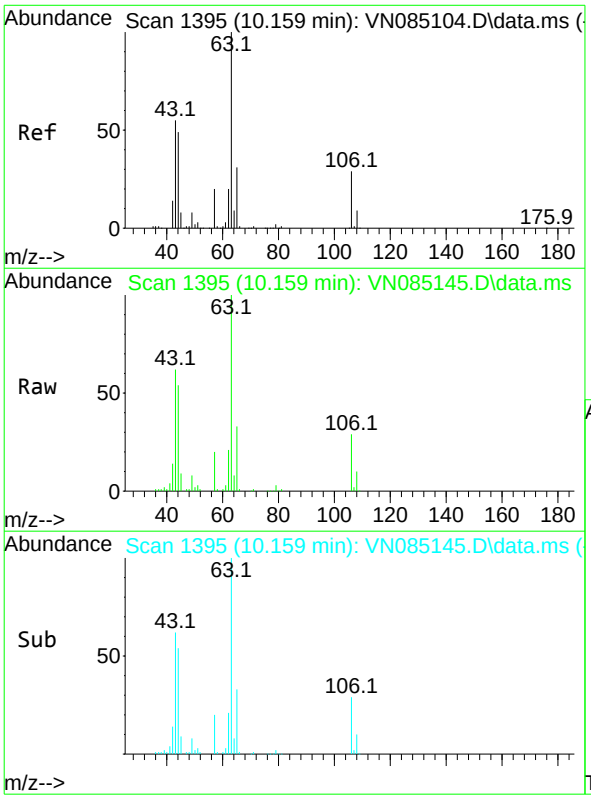
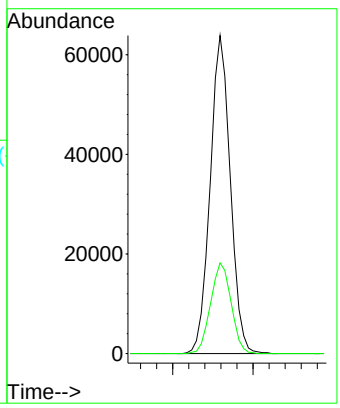
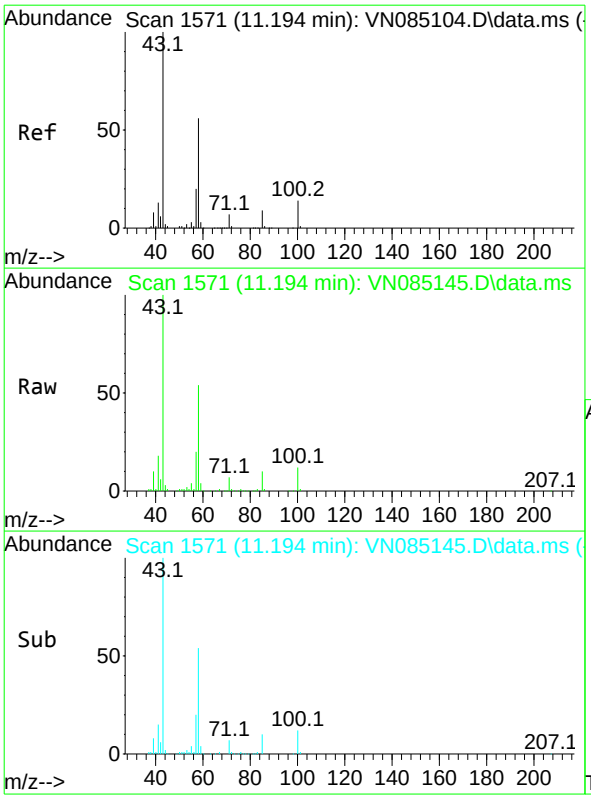


#58
2-Chloroethyl Vinyl ether
Concen: 107.042 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 63 Resp: 111311

Ion	Ratio	Lower	Upper
63	100		
106	28.9	23.0	34.6

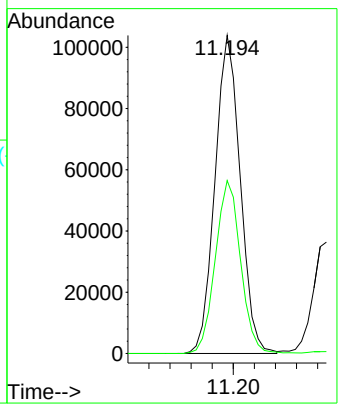




#59
2-Hexanone
Concen: 128.613 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 43 Resp: 172584

Ion	Ratio	Lower	Upper
43	100		
58	54.5	28.3	85.0



Instrument :
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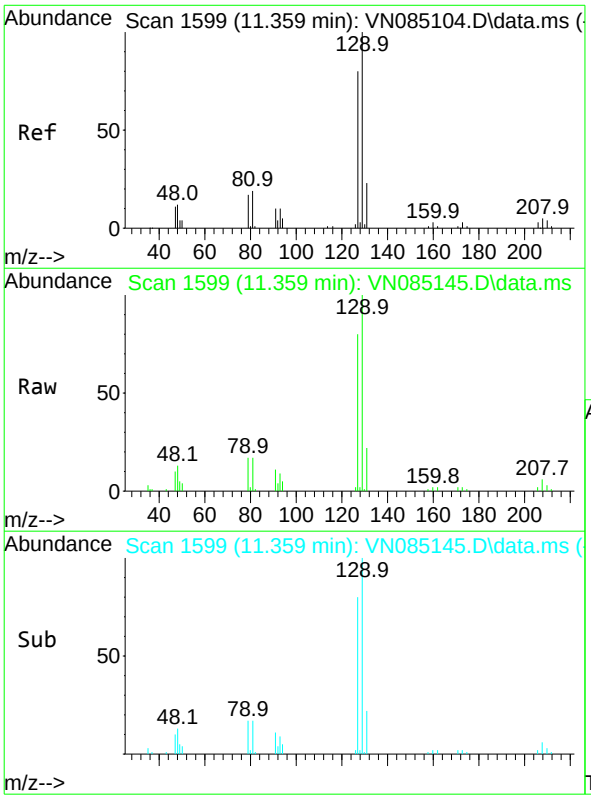
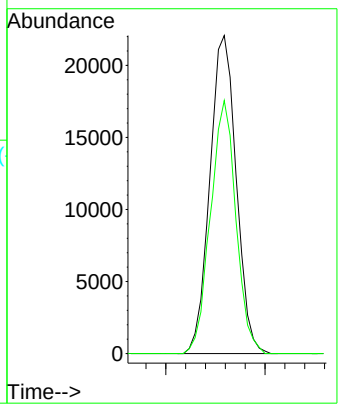
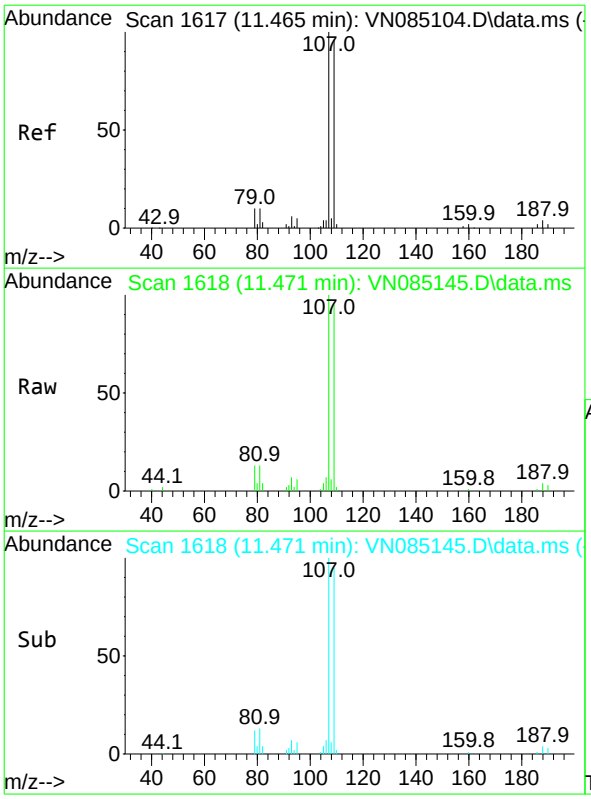


#60
Dibromochloromethane
Concen: 22.997 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:129 Resp: 40774

Ion	Ratio	Lower	Upper
129	100		
127	76.7	39.2	117.6





#61
1,2-Dibromoethane
Concen: 22.146 ug/l
RT: 11.471 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:107 Resp: 33251

Ion	Ratio	Lower	Upper
107	100		
109	95.3	76.1	114.1

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

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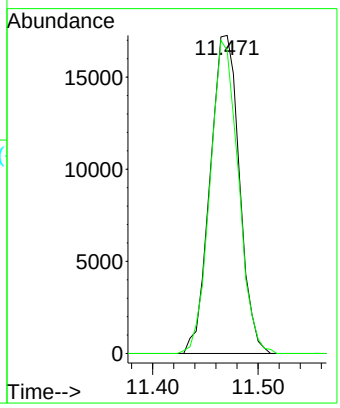
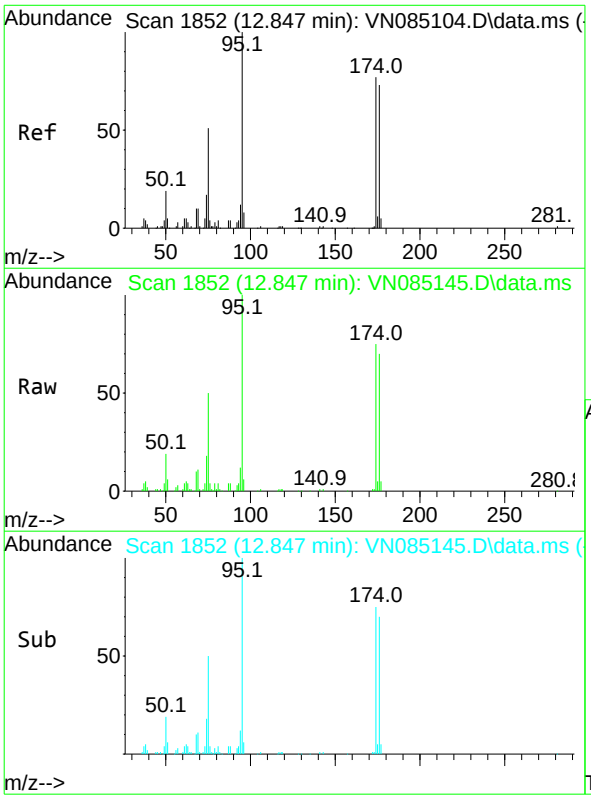
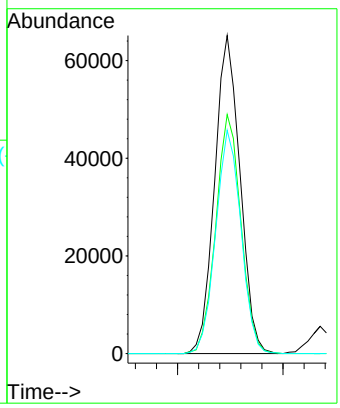


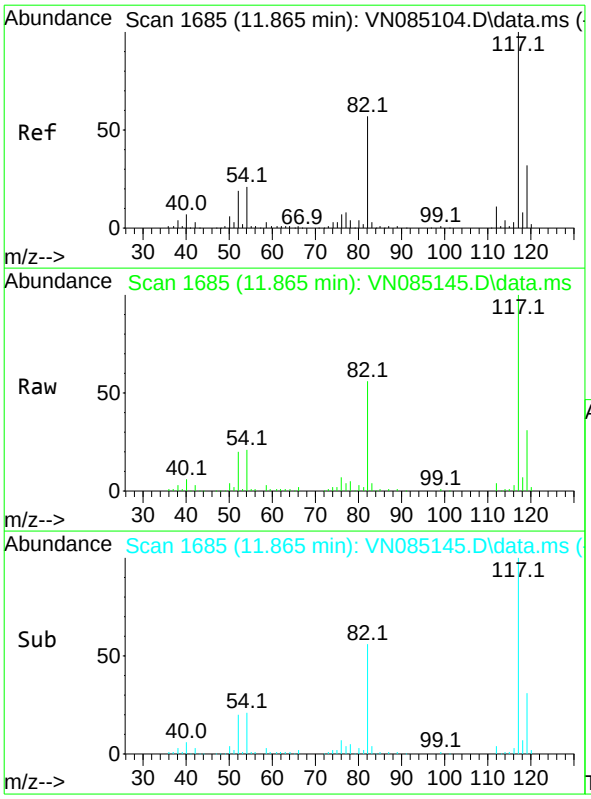


#62
4-Bromofluorobenzene
Concen: 52.915 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 95 Resp: 108911

Ion	Ratio	Lower	Upper
95	100		
174	74.4	0.0	146.6
176	69.8	0.0	141.8

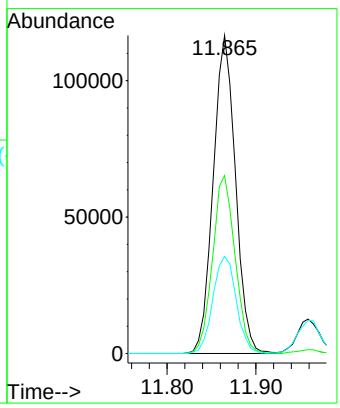




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:117 Resp: 203151

Ion	Ratio	Lower	Upper
117	100		
82	55.9	46.0	69.0
119	30.5	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

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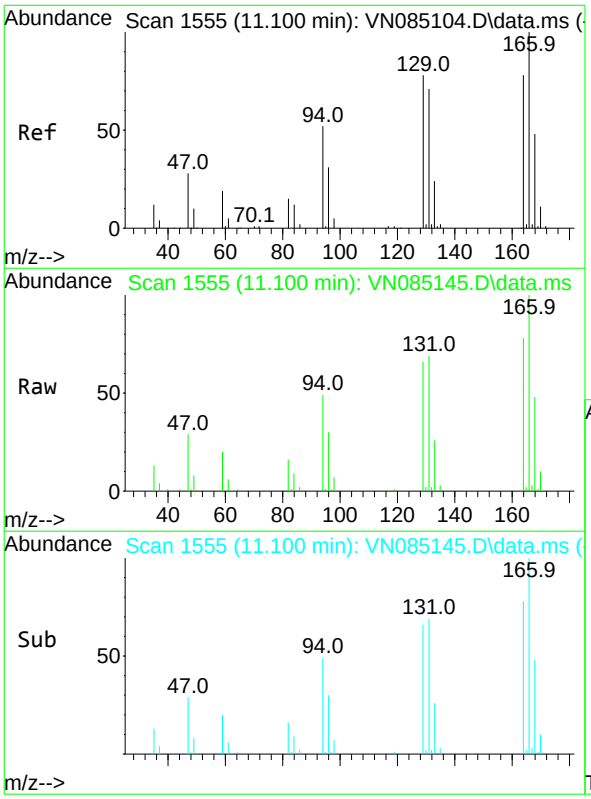
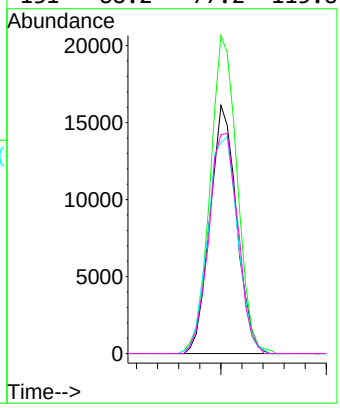
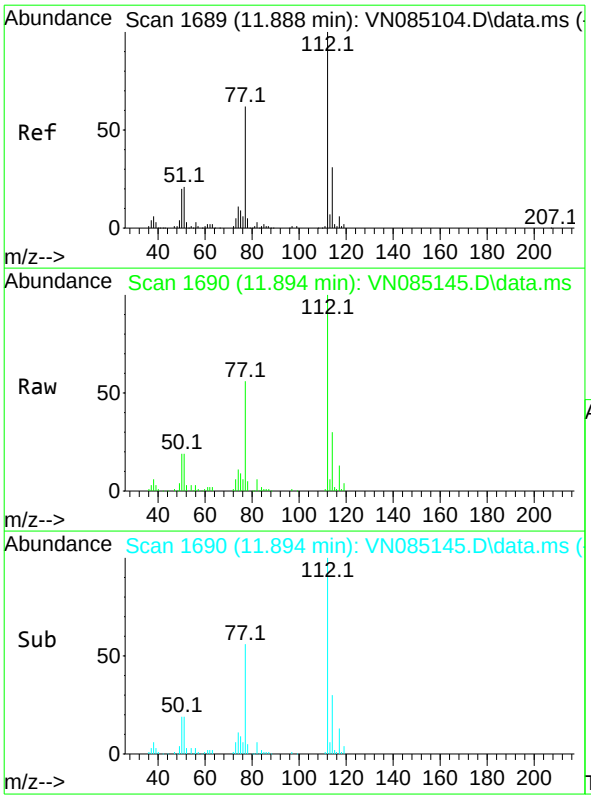


#64
Tetrachloroethene
Concen: 20.683 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:164 Resp: 28313

Ion	Ratio	Lower	Upper
164	100		
166	128.1	100.6	151.0
129	85.1	77.7	116.5
131	88.2	77.2	115.8

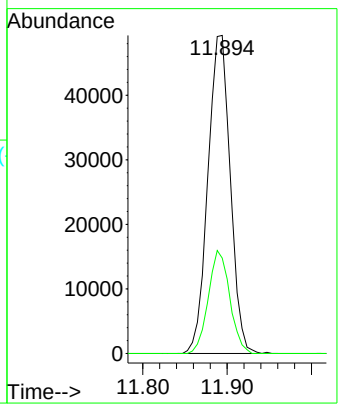




#65
Chlorobenzene
Concen: 19.714 ug/l
RT: 11.894 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:112 Resp: 90827

Ion	Ratio	Lower	Upper
112	100		
114	30.0	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

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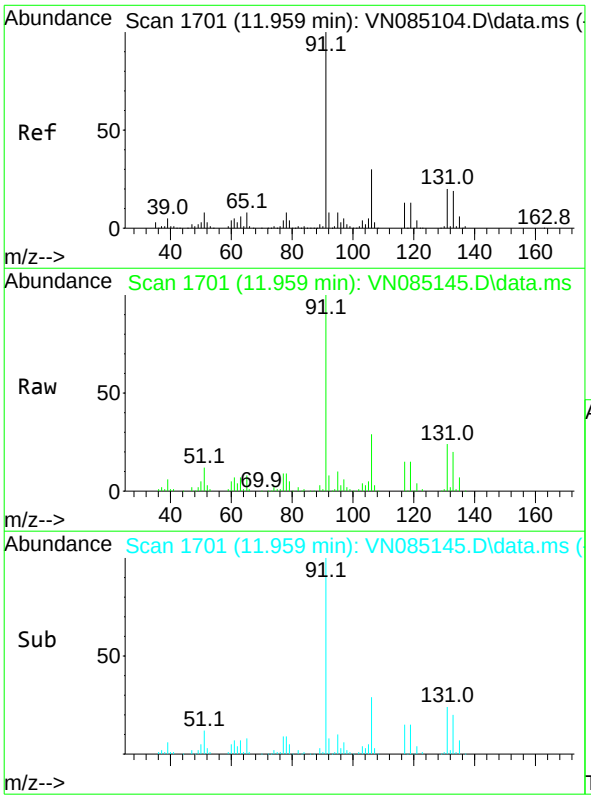
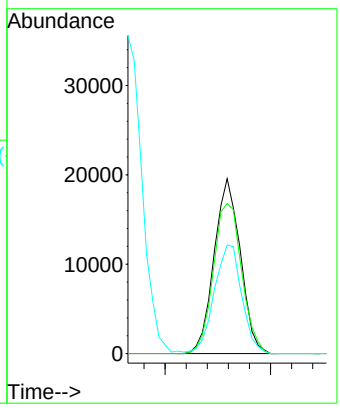
Supervised By :Mahesh Dadoda 12/10/2024

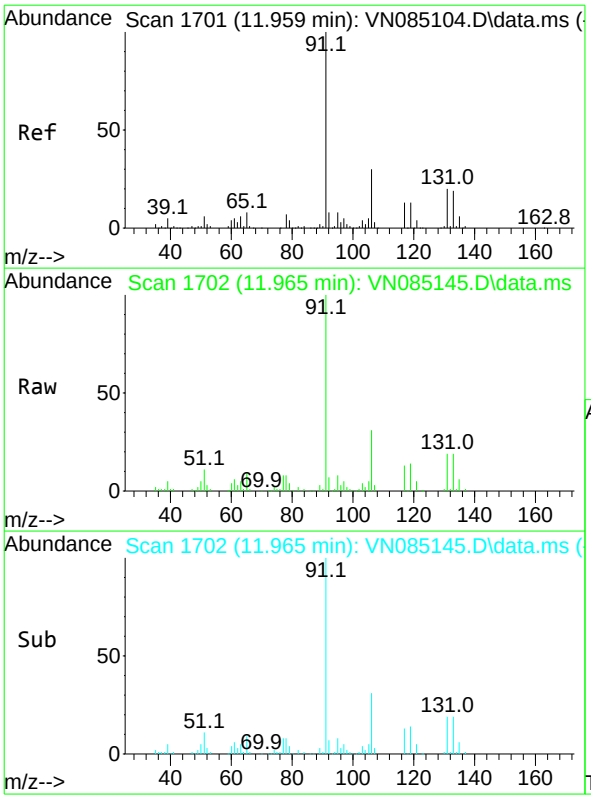


#66
1,1,1,2-Tetrachloroethane
Concen: 20.920 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:131 Resp: 33935

Ion	Ratio	Lower	Upper
131	100		
133	92.6	47.8	143.4
119	65.0	32.1	96.3

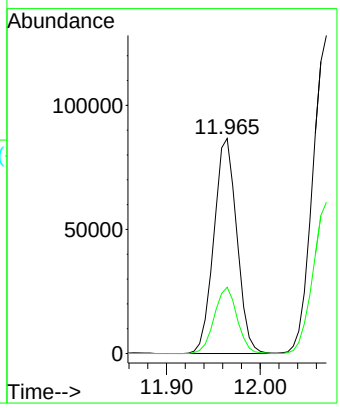




#67
Ethyl Benzene
Concen: 19.736 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 91 Resp: 147522

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.7	37.1



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

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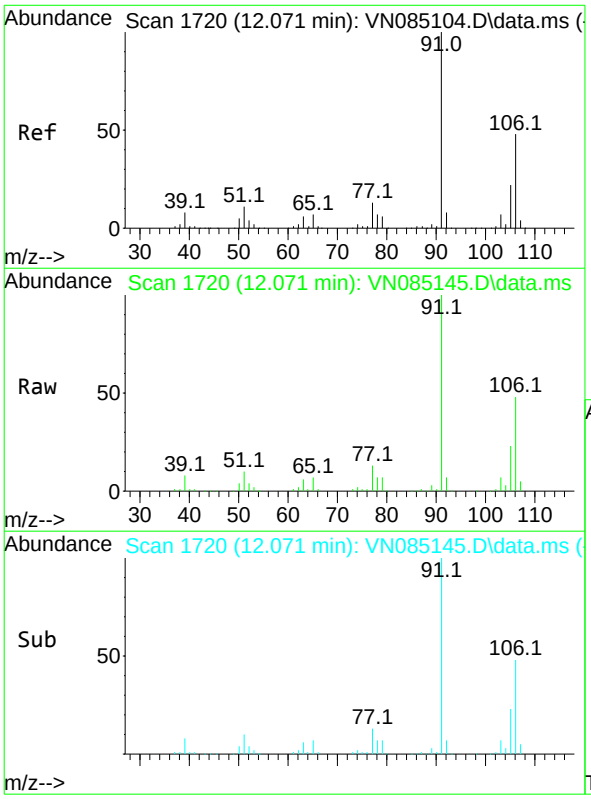
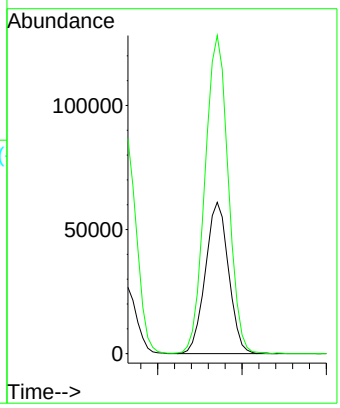
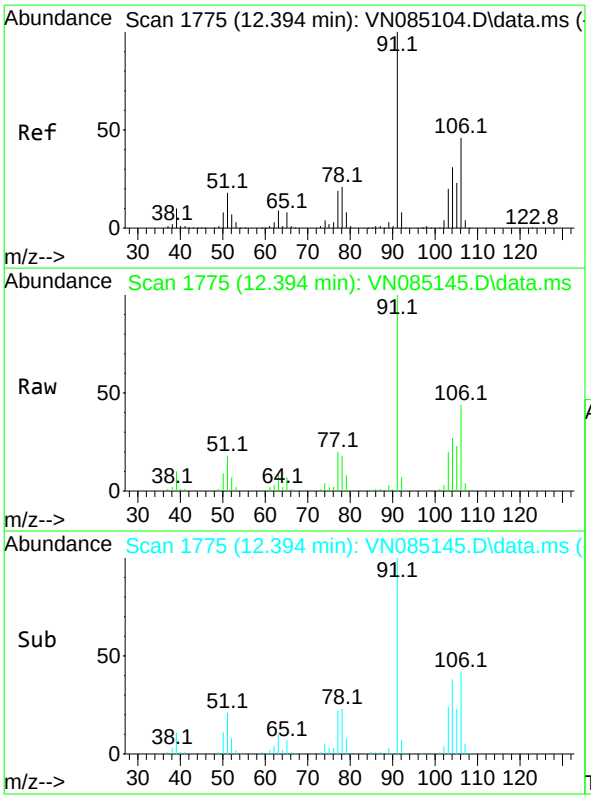


#68
m/p-Xylenes
Concen: 40.857 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:106 Resp: 116268

Ion	Ratio	Lower	Upper
106	100		
91	210.8	168.0	252.0

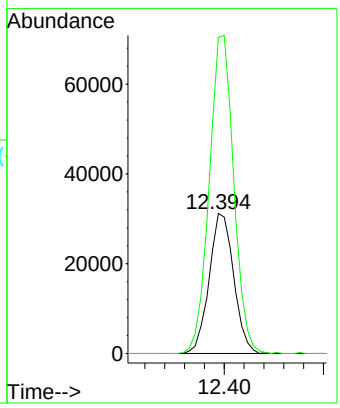




#69
o-Xylene
Concen: 19.780 ug/l
RT: 12.394 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:106 Resp: 53545

Ion	Ratio	Lower	Upper
106	100		
91	227.2	110.7	331.9



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

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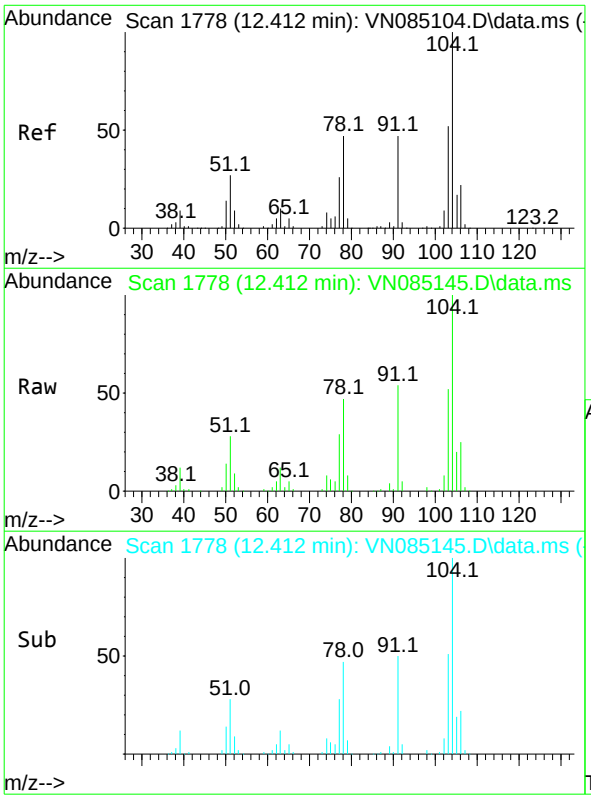
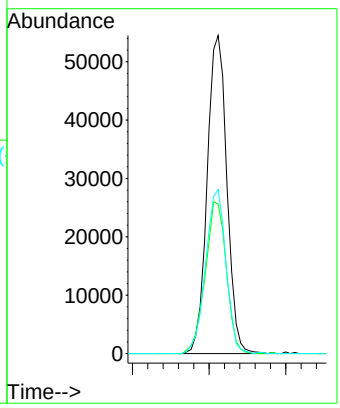
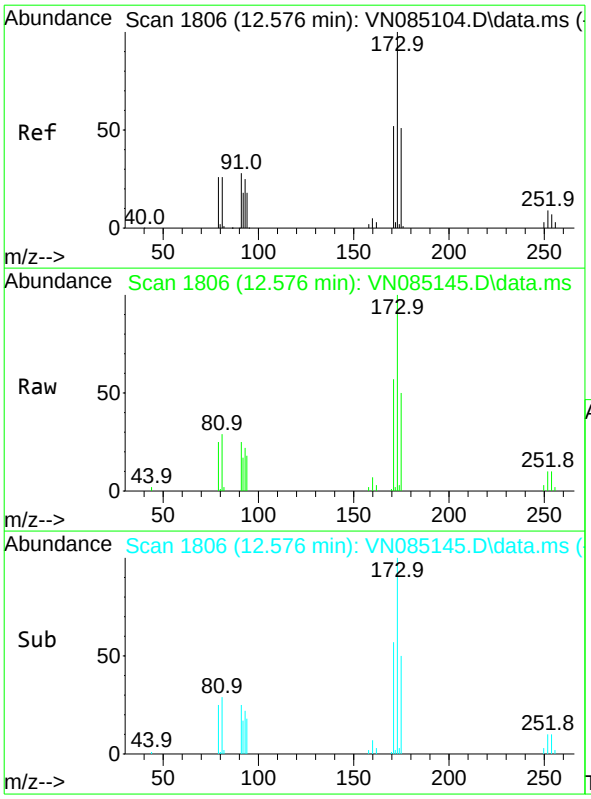


#70
Styrene
Concen: 21.590 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:104 Resp: 97192

Ion	Ratio	Lower	Upper
104	100		
78	51.0	42.3	63.5
103	53.2	44.2	66.2

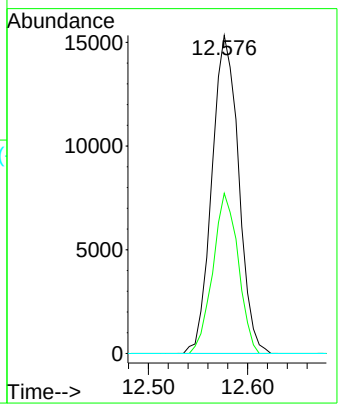




#71
Bromoform
Concen: 23.810 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:173 Resp: 28670

Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.8	71.2
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

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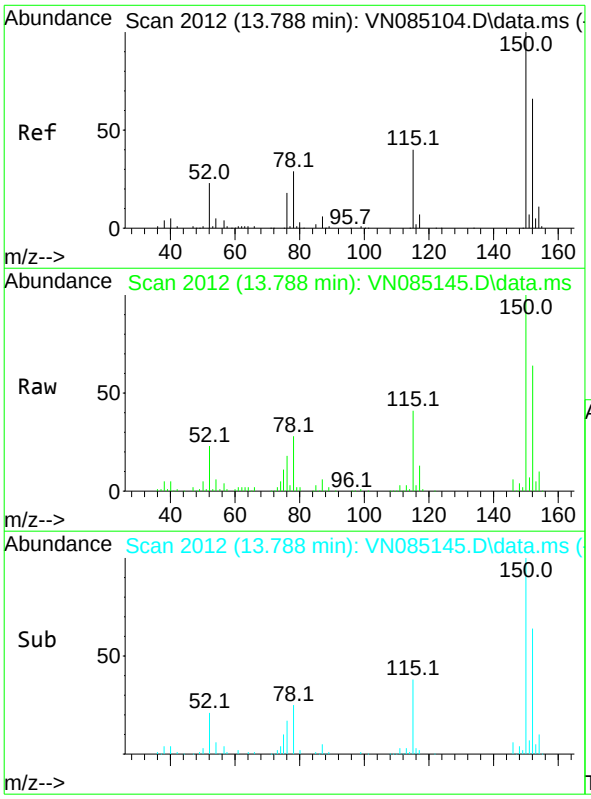
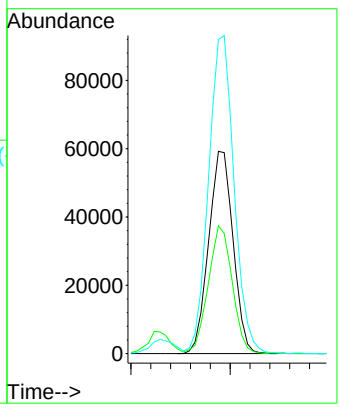
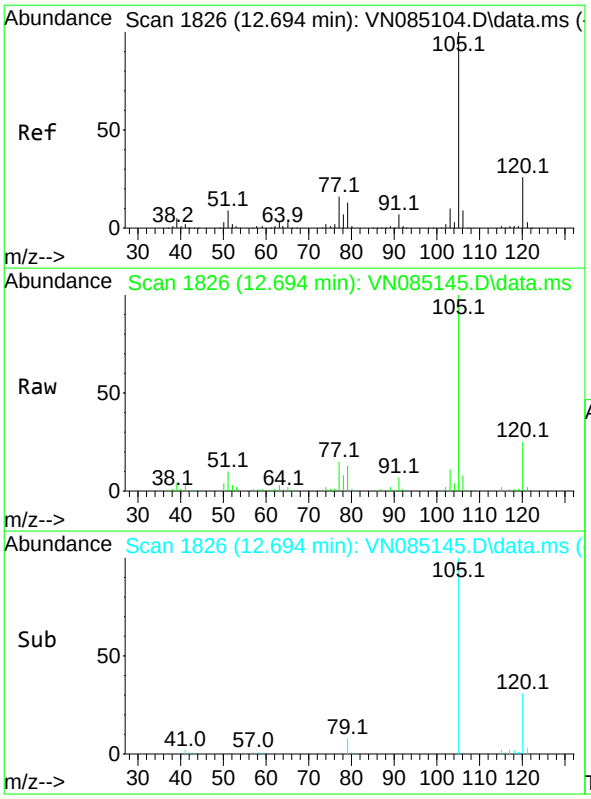


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:152 Resp: 101401

Ion	Ratio	Lower	Upper
152	100		
115	61.8	31.7	95.1
150	163.8	0.0	351.4

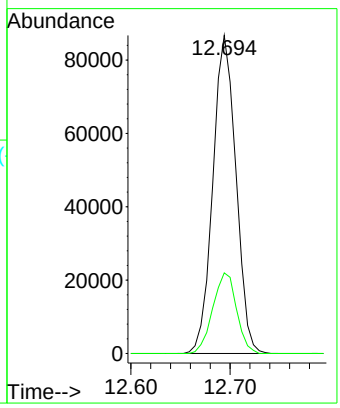




#73
Isopropylbenzene
Concen: 19.586 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:105 Resp: 140110

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.0	39.0



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

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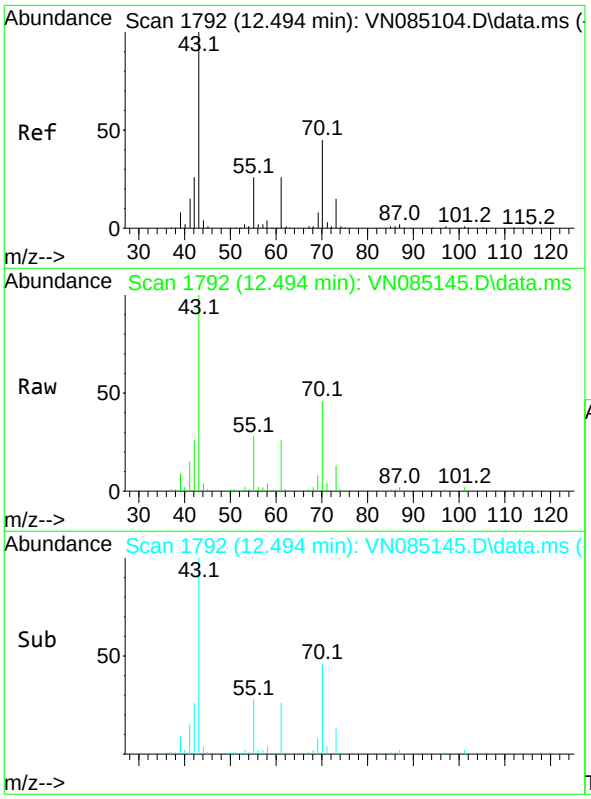
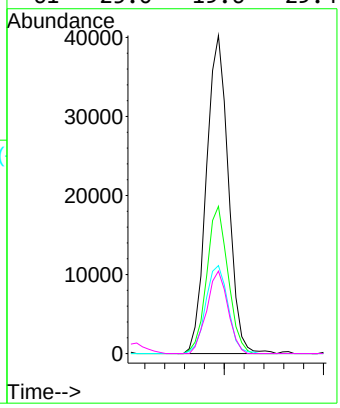
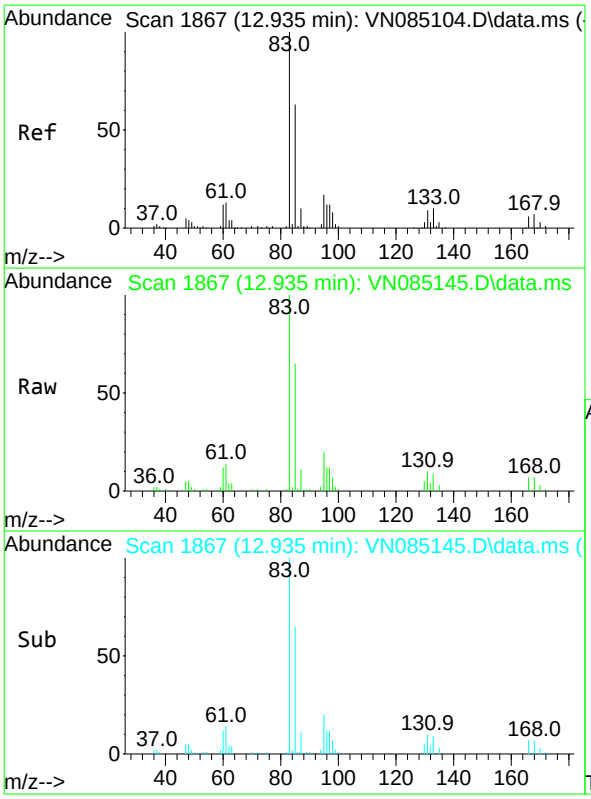


#74
N-amyl acetate
Concen: 20.951 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 43 Resp: 61760

Ion	Ratio	Lower	Upper
43	100		
70	44.8	34.6	51.8
55	28.1	20.5	30.7
61	25.0	19.6	29.4

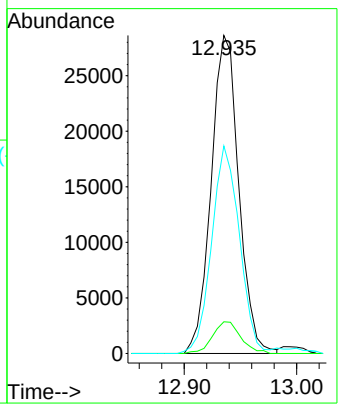




#75
1,1,2,2-Tetrachloroethane
Concen: 19.980 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 83 Resp: 48806

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.1	15.4
85	65.7	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

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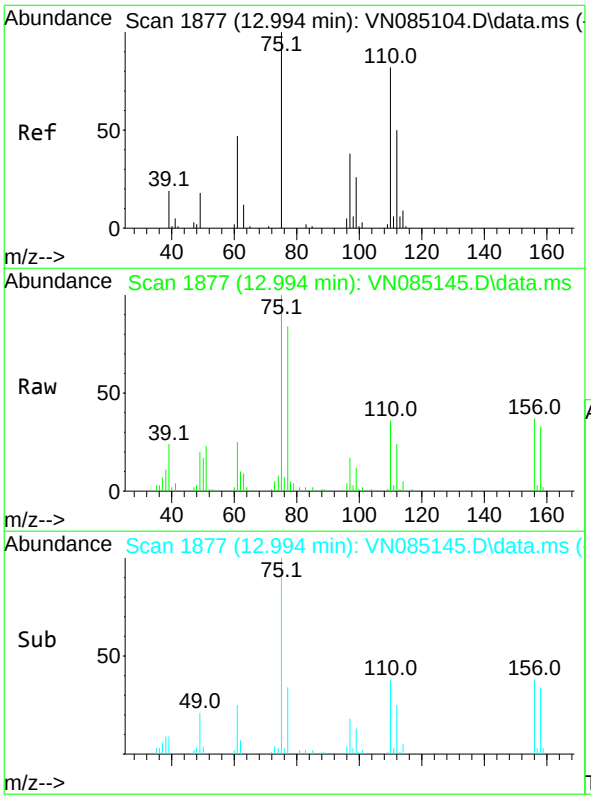
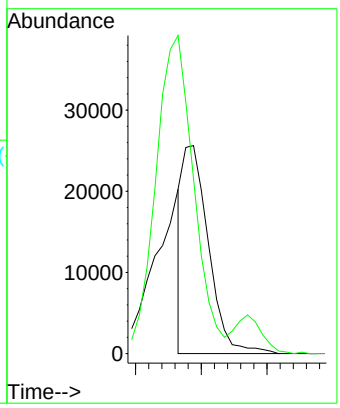
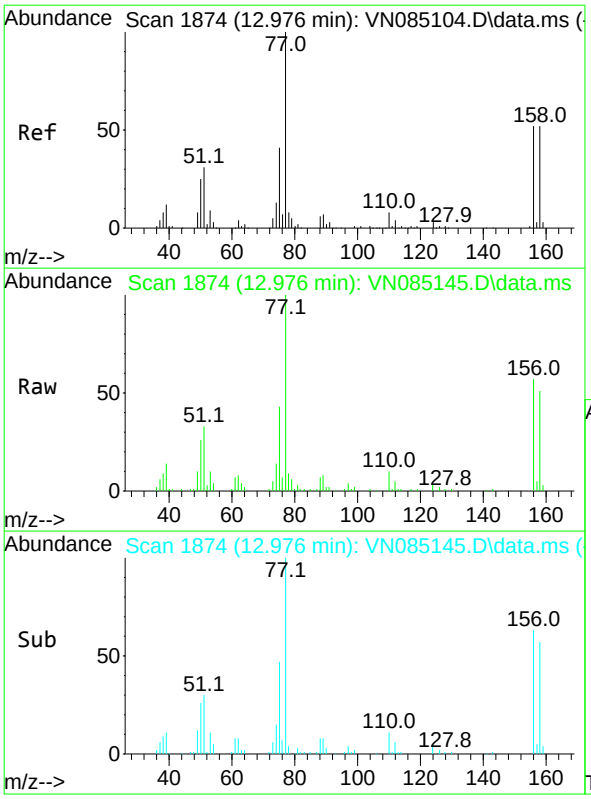


#76
1,2,3-Trichloropropane
Concen: 18.756 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 75 Resp: 34594

Ion	Ratio	Lower	Upper
75	100		
77	227.5	109.1	327.4

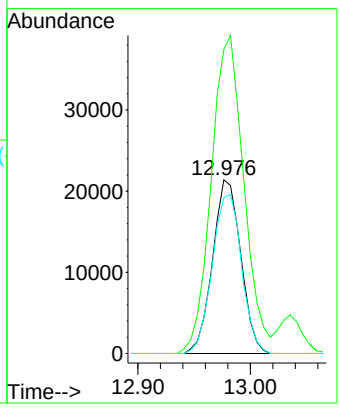




#77
Bromobenzene
Concen: 19.352 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:156 Resp: 37253

Ion	Ratio	Lower	Upper
156	100		
77	211.2	107.2	321.6
158	95.3	48.5	145.6



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

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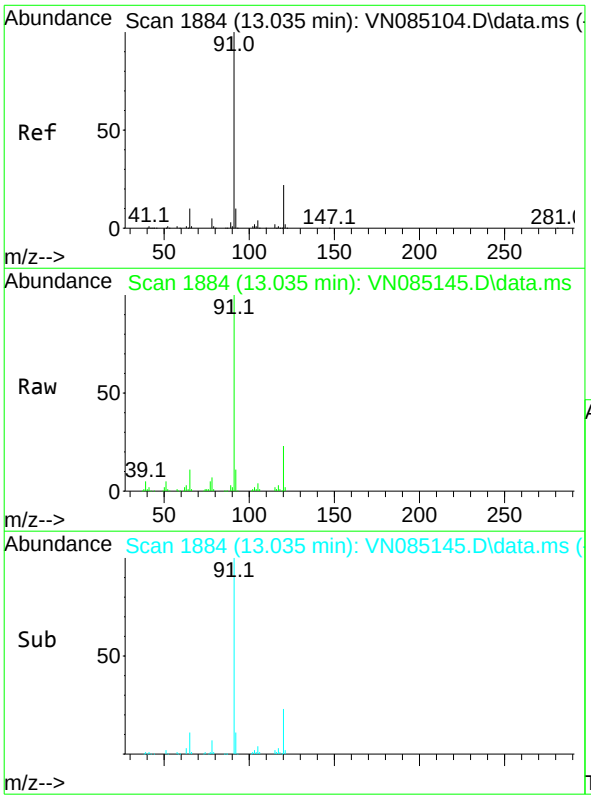
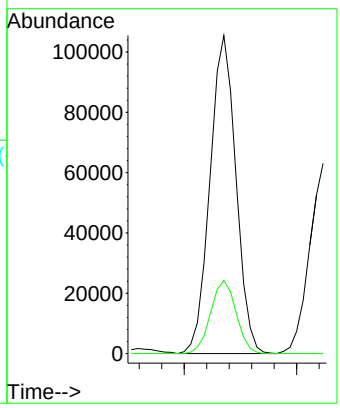
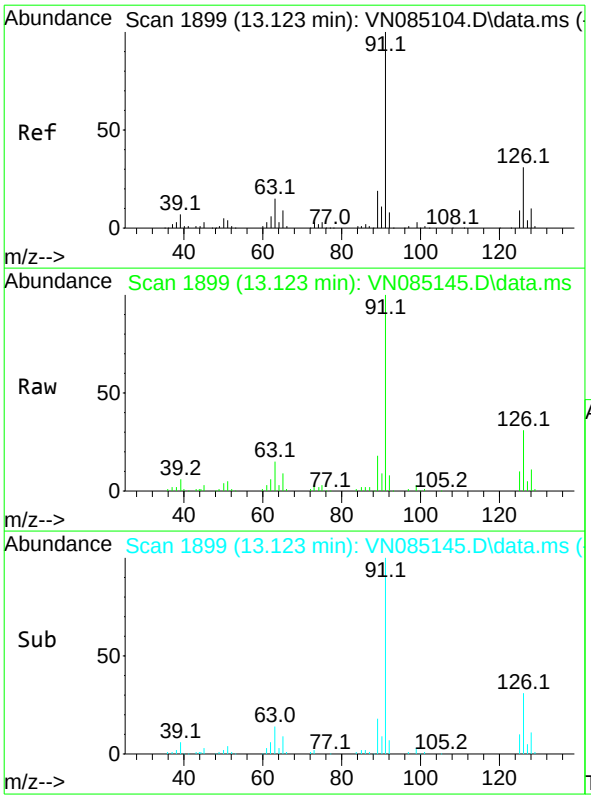


#78
n-propylbenzene
Concen: 20.509 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 91 Resp: 169221

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.9

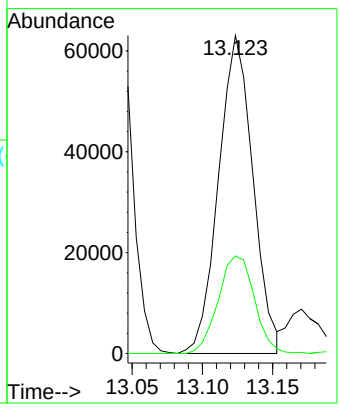




#79
2-Chlorotoluene
Concen: 19.479 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 91 Resp: 107288

Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.1	48.3



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

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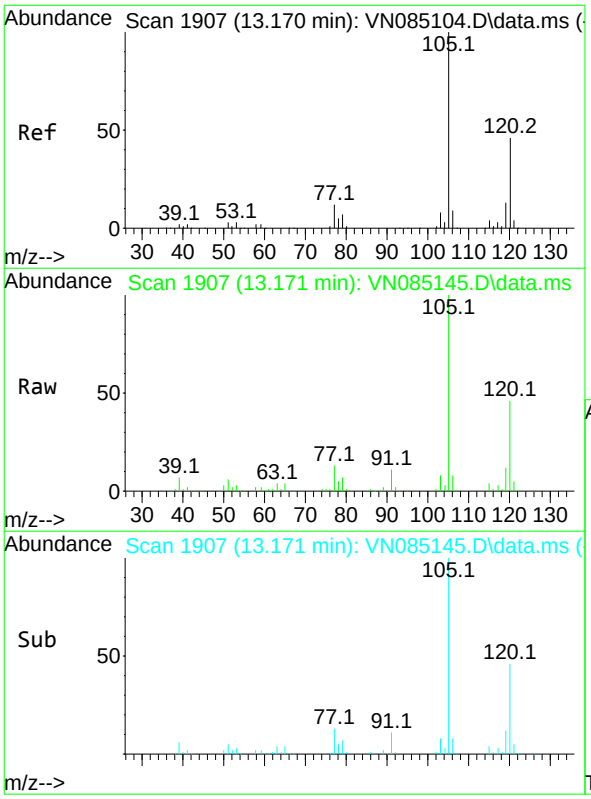
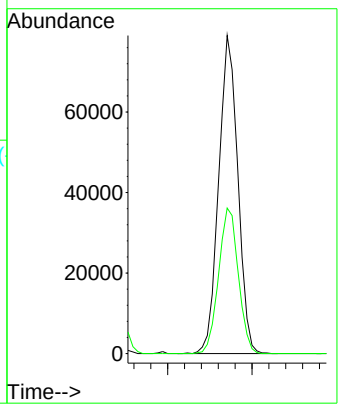
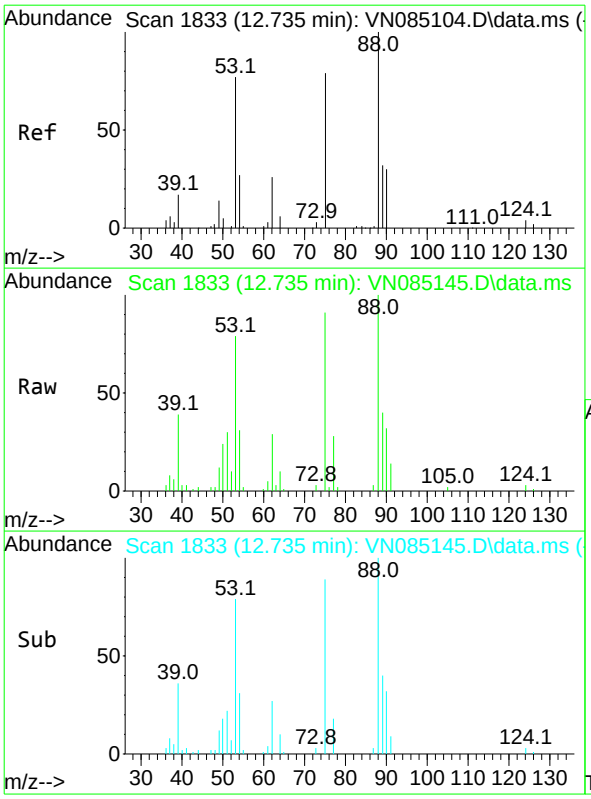


#80
1,3,5-Trimethylbenzene
Concen: 20.728 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:105 Resp: 124423

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.6	71.0

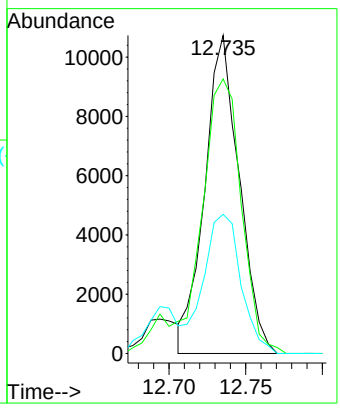




#81
trans-1,4-Dichloro-2-butene
Concen: 20.127 ug/l m
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 75 Resp: 16816

Ion	Ratio	Lower	Upper
75	100		
53	97.4	78.2	117.4
89	48.0	37.9	56.9



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

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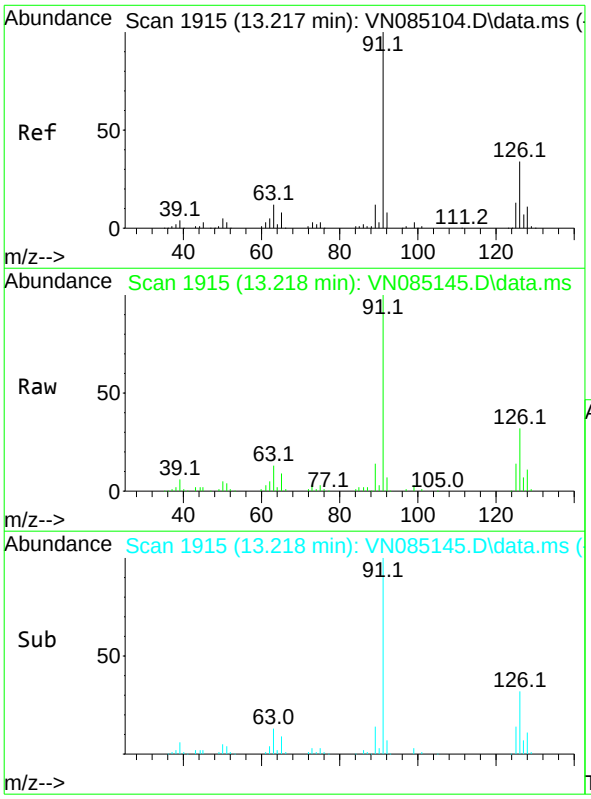
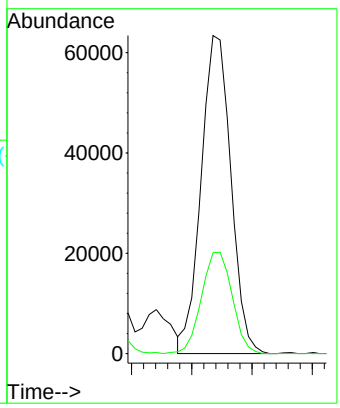
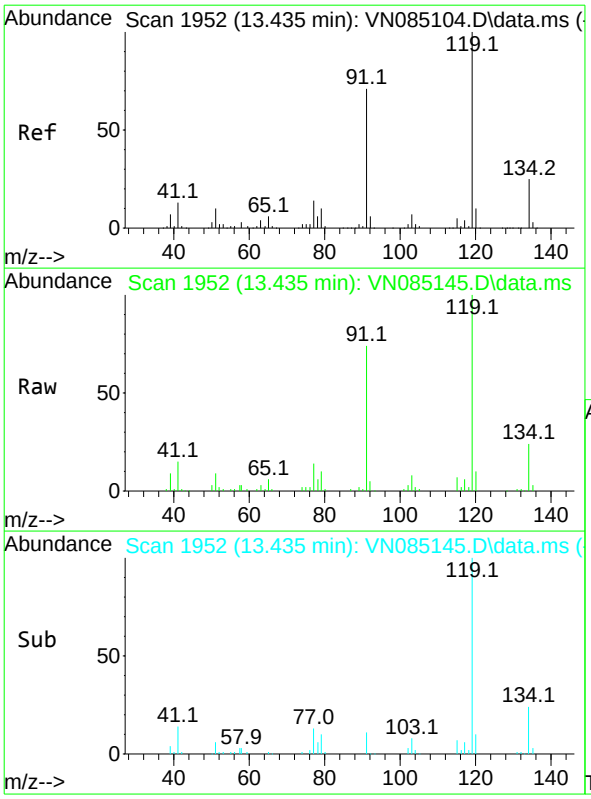


#82
4-Chlorotoluene
Concen: 18.977 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 91 Resp: 108808

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.1	48.3

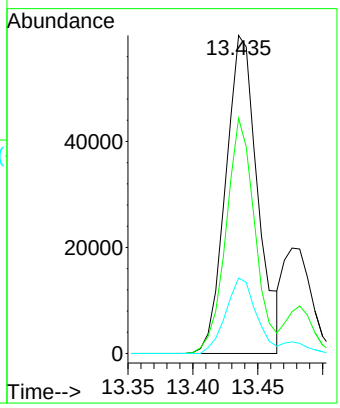




#83
tert-Butylbenzene
Concen: 19.900 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:119 Resp: 102778

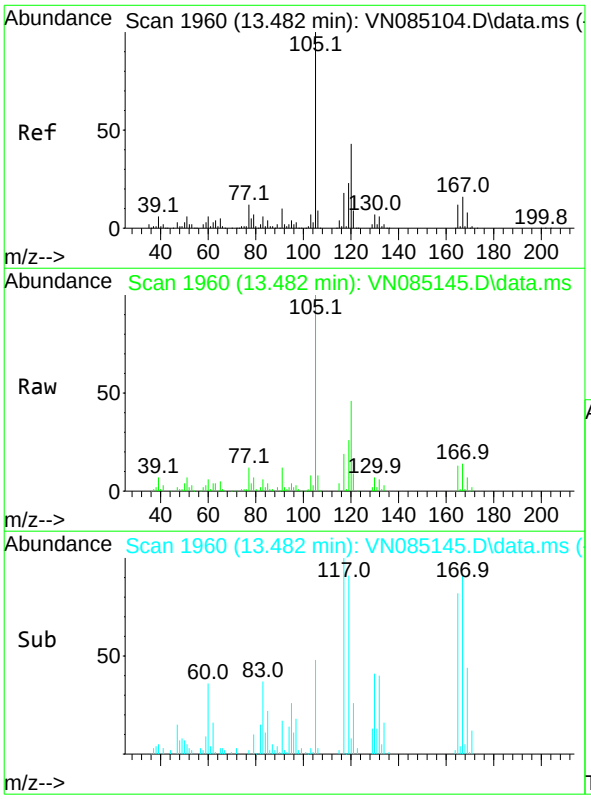
Ion	Ratio	Lower	Upper
119	100		
91	66.8	35.1	105.5
134	22.7	12.1	36.3



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Manual Integrations
APPROVED

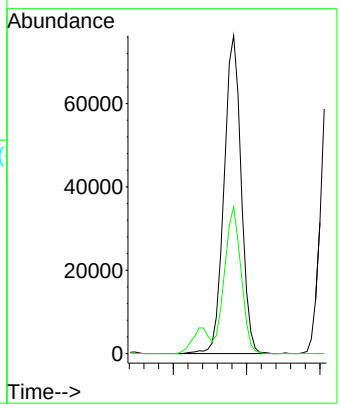
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

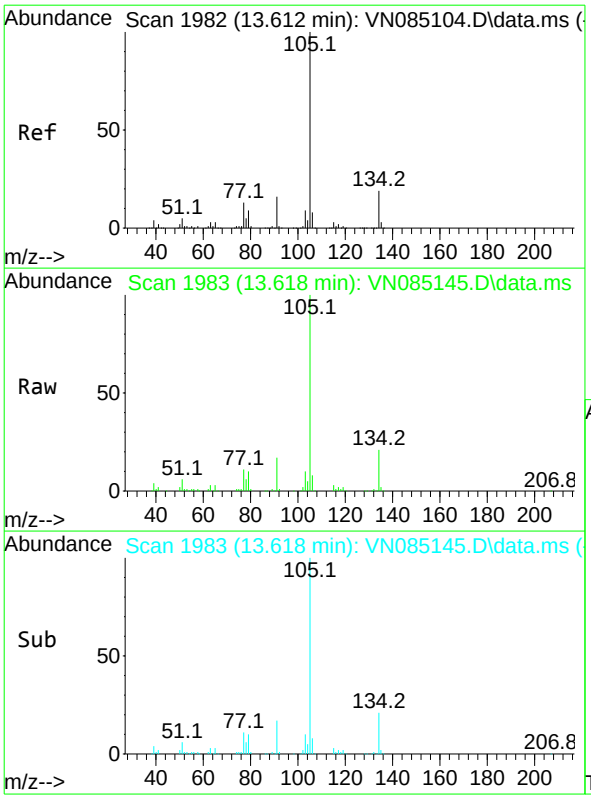


#84
1,2,4-Trimethylbenzene
Concen: 19.964 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:105 Resp: 123353

Ion	Ratio	Lower	Upper
105	100		
120	44.8	21.8	65.4

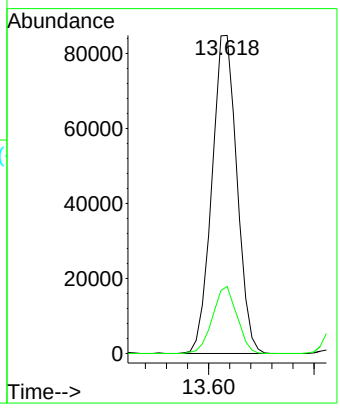




#85
sec-Butylbenzene
Concen: 20.061 ug/l
RT: 13.618 min Scan# 19
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:105 Resp: 139963

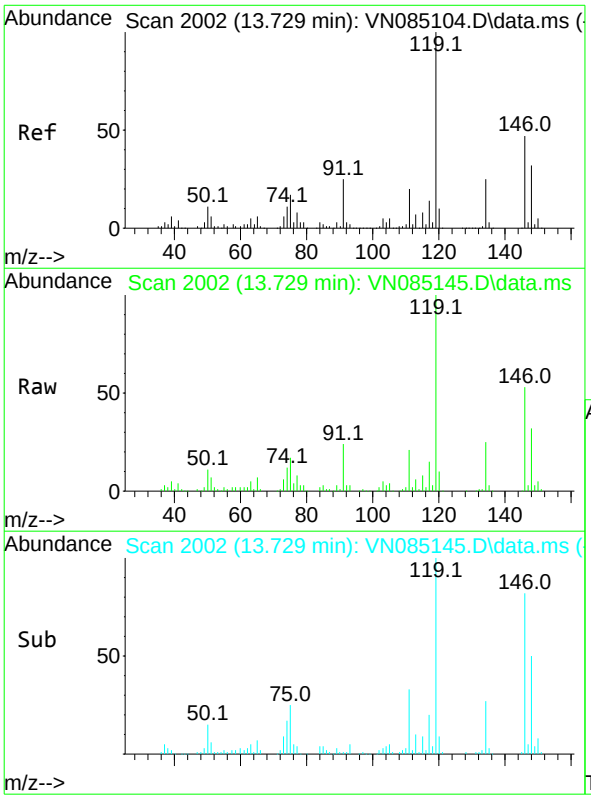
Ion	Ratio	Lower	Upper
105	100		
134	20.6	9.8	29.3



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Manual Integrations
APPROVED

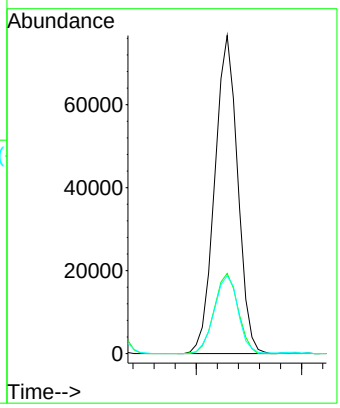
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

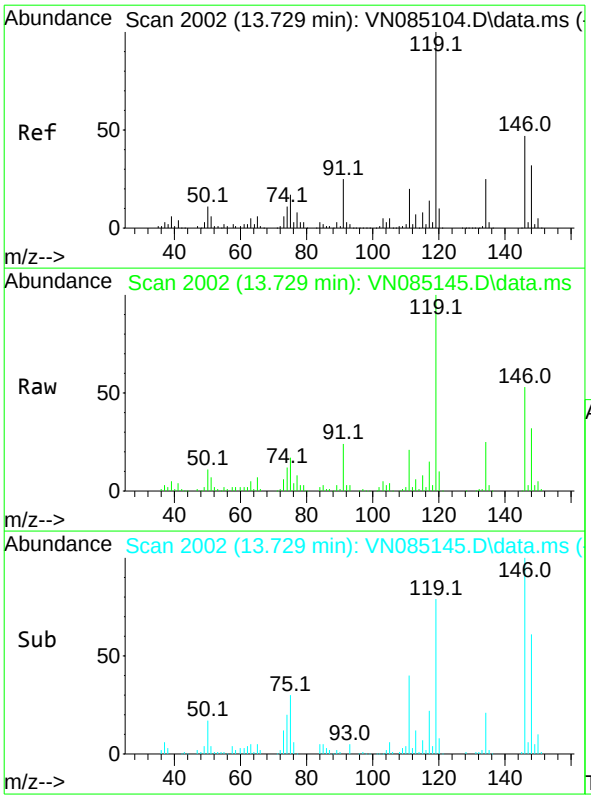


#86
p-Isopropyltoluene
Concen: 20.140 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:119 Resp: 115995

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.0	39.0
91	25.6	12.8	38.4

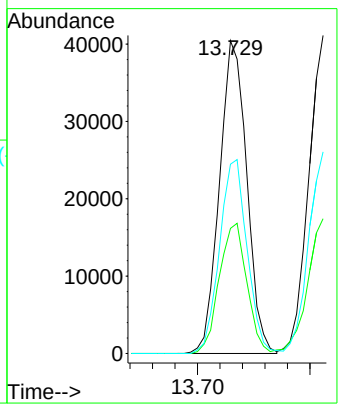




#87
1,3-Dichlorobenzene
Concen: 17.948 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:146 Resp: 68149

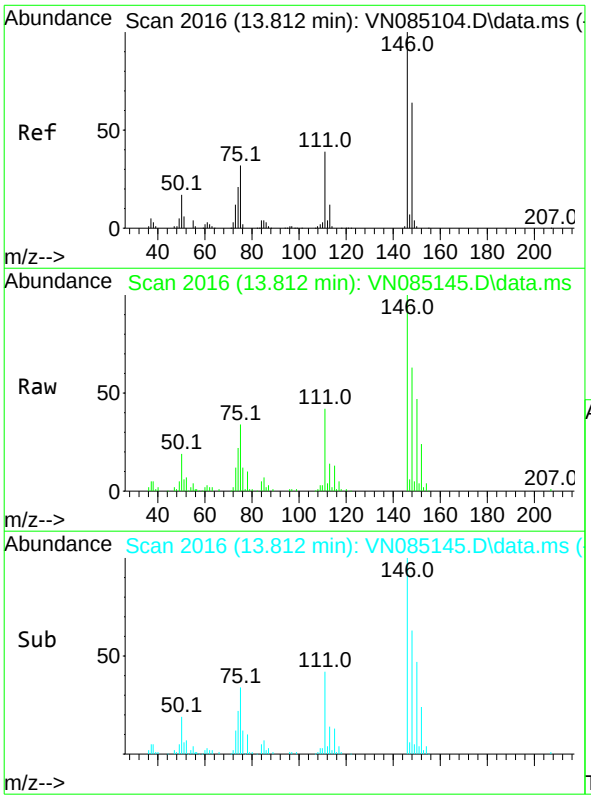
Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.6	65.0
148	62.7	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Manual Integrations
APPROVED

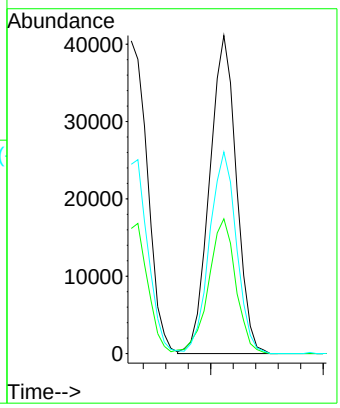
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

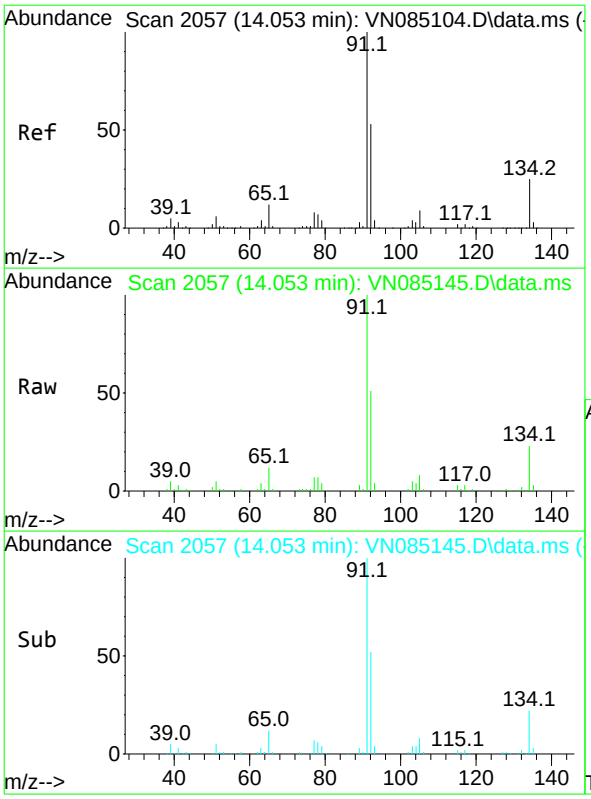


#88
1,4-Dichlorobenzene
Concen: 17.582 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:146 Resp: 68126

Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.9	62.8
148	63.6	31.3	93.9

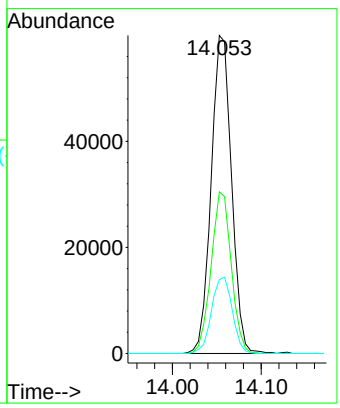




#89
n-Butylbenzene
Concen: 17.833 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 91 Resp: 95516

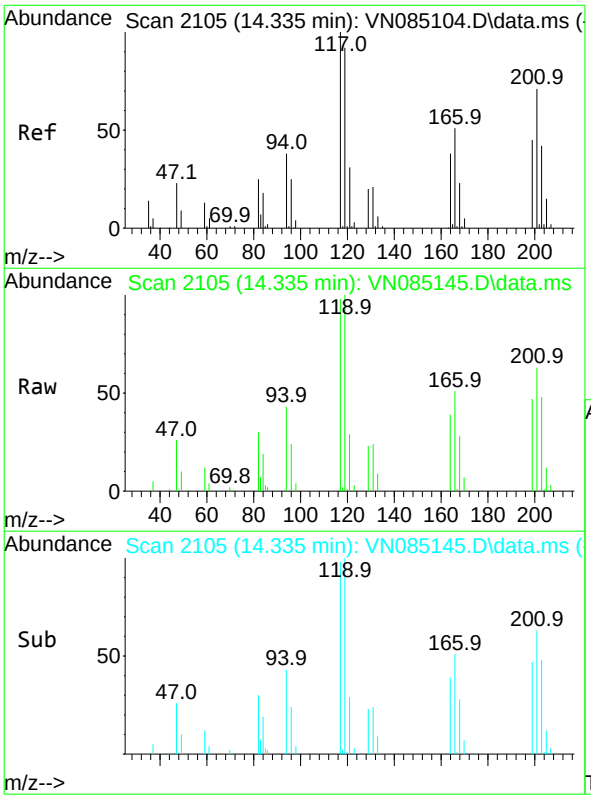
Ion	Ratio	Lower	Upper
91	100		
92	50.4	26.8	80.3
134	24.4	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Manual Integrations
APPROVED

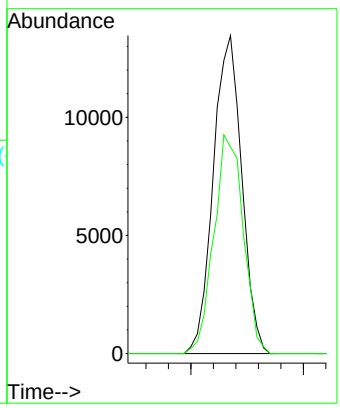
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

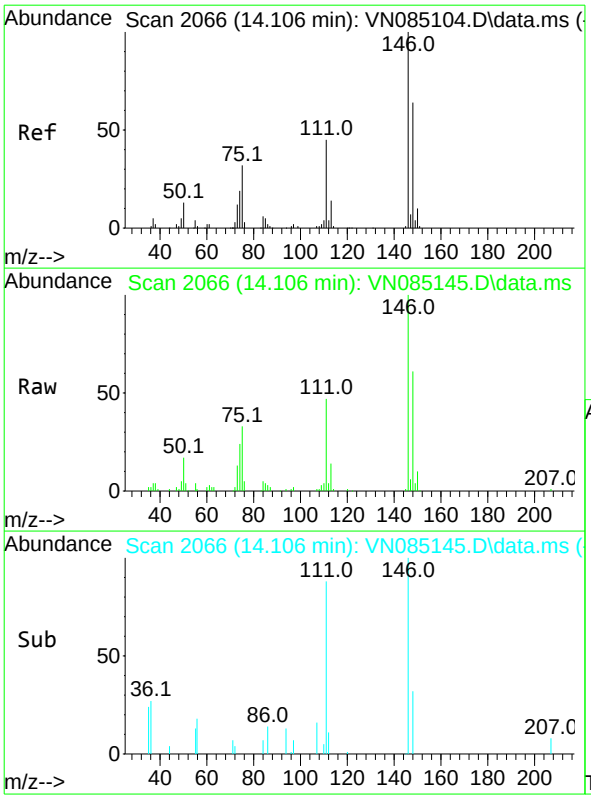


#90
Hexachloroethane
Concen: 18.846 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:117 Resp: 23660

Ion	Ratio	Lower	Upper
117	100		
201	70.8	35.2	105.6

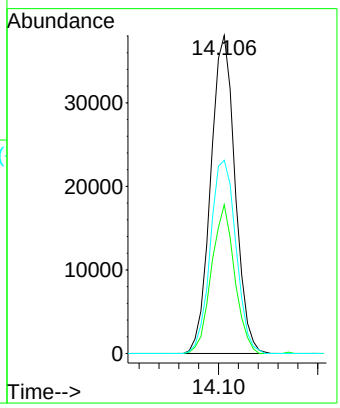




#91
1,2-Dichlorobenzene
Concen: 17.846 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:146 Resp: 64932

Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.9	65.8
148	64.0	31.1	93.2



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Manual Integrations
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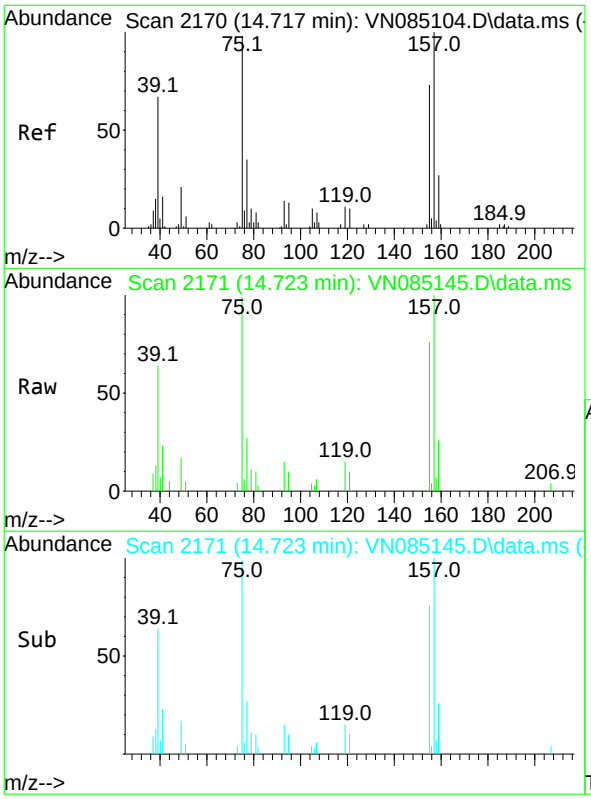
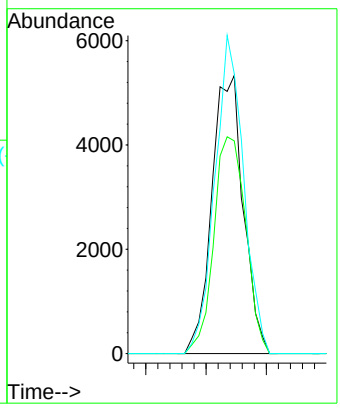
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

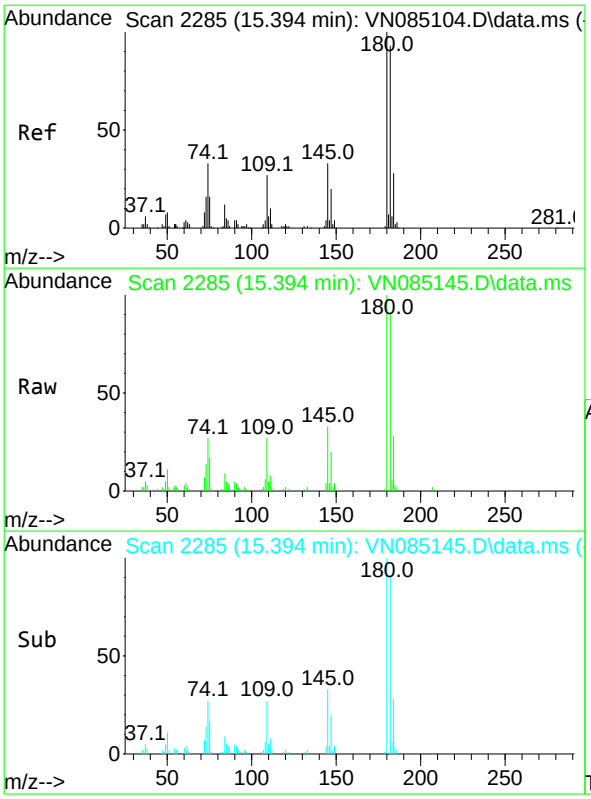


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.468 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 75 Resp: 9668

Ion	Ratio	Lower	Upper
75	100		
155	79.1	38.9	116.7
157	104.5	48.3	144.9





#93
1,2,4-Trichlorobenzene
Concen: 15.812 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:180 Resp: 31255

Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.9	140.8
145	34.2	16.3	48.8

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Manual Integrations
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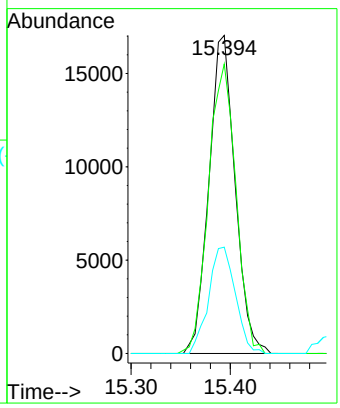
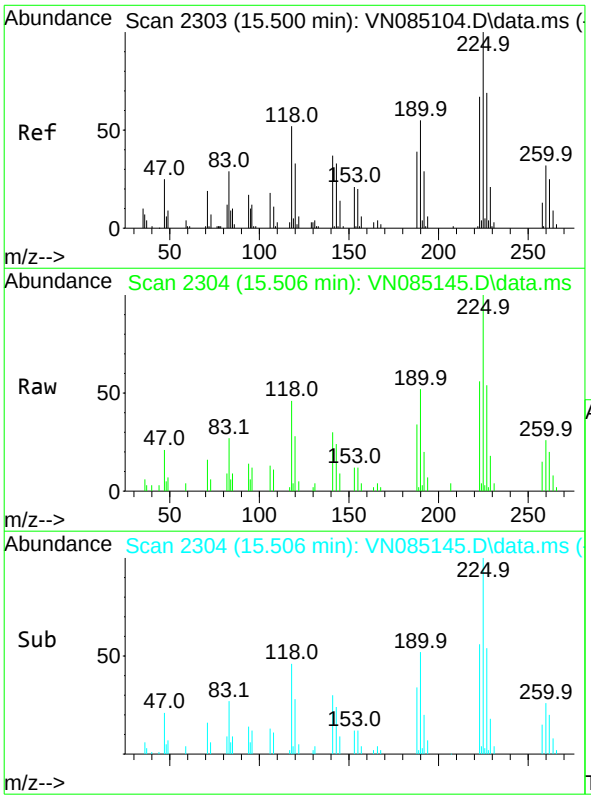
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

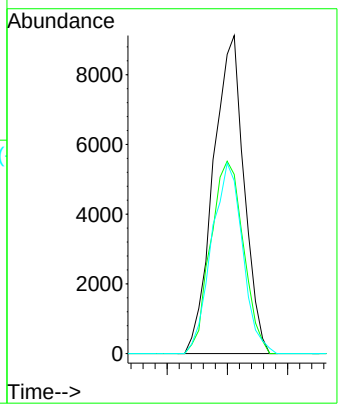


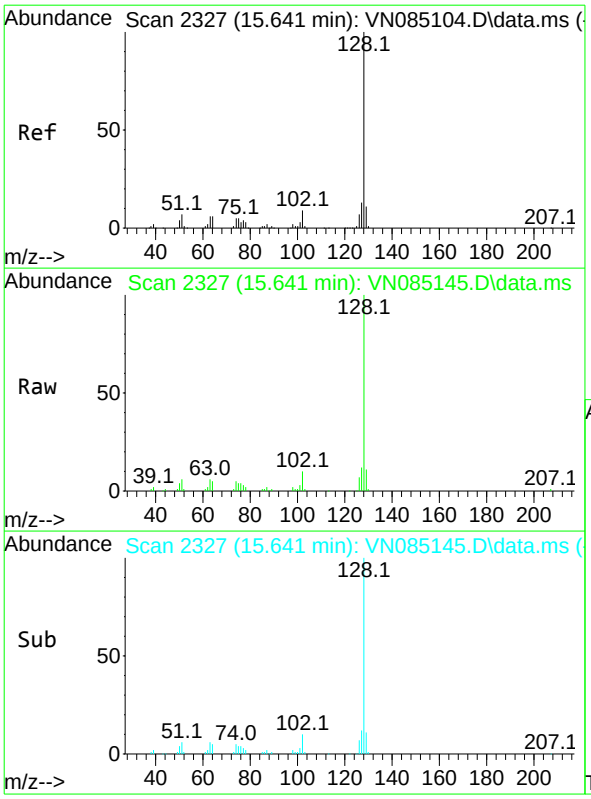


#94
Hexachlorobutadiene
Concen: 17.760 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:225 Resp: 16202

Ion	Ratio	Lower	Upper
225	100		
223	64.3	30.9	92.8
227	60.5	31.5	94.5

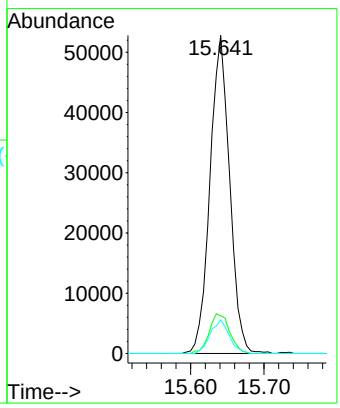




#95
Naphthalene
Concen: 17.440 ug/l
RT: 15.641 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:128 Resp: 98185

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	10.2	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Manual Integrations
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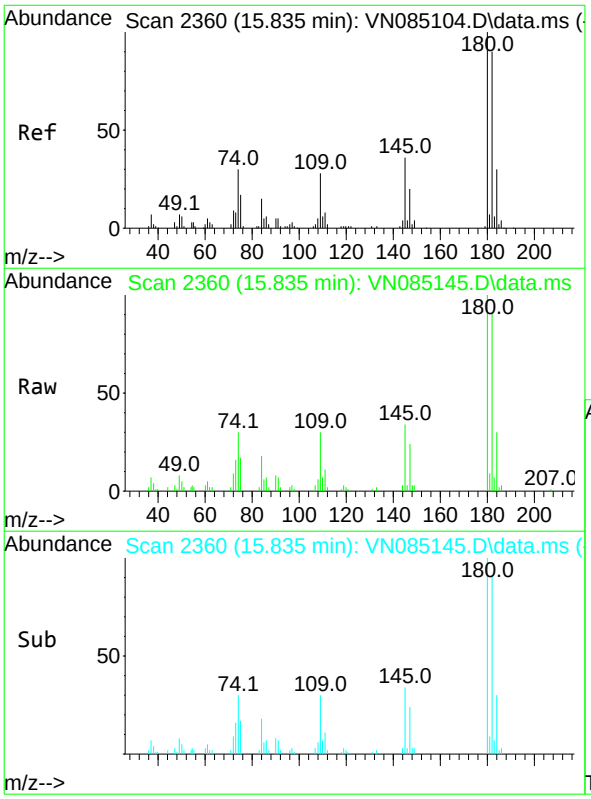
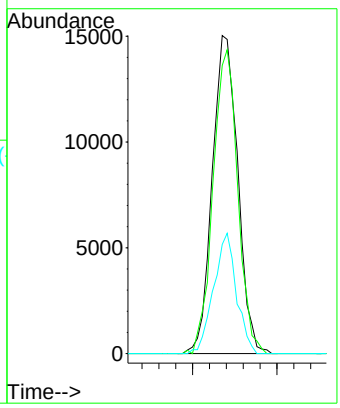
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#96
1,2,3-Trichlorobenzene
Concen: 16.735 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:180 Resp: 31563

Ion	Ratio	Lower	Upper
180	100		
182	92.5	46.4	139.2
145	33.9	17.3	52.0



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

Manual Integration Report

Sequence:	VN112224	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN085005.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:15 AM	MMDadoda	11/25/2024 2:03:01 PM	Peak Integrated by Software
VSTDICCC050	VN085006.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:19 AM	MMDadoda	11/25/2024 2:03:02 PM	Peak Integrated by Software
VSTDICC020	VN085007.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:24 AM	MMDadoda	11/25/2024 2:03:03 PM	Peak Integrated by Software
VSTDICC010	VN085008.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:29 AM	MMDadoda	11/25/2024 2:03:05 PM	Peak Integrated by Software
VSTDICC005	VN085009.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:32 AM	MMDadoda	11/25/2024 2:03:06 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	1,1,2-Trichlorotrifluoroethane	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	1,4-Dichlorobenzene	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	Chloroethane	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	Isopropyl Acetate	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	Methyl Acetate	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	Methyl tert-butyl Ether	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	Methylene Chloride	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN112224	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VN085012.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:43 AM	MMDadoda	11/25/2024 2:03:10 PM	Peak Integrated by Software
VSTDCCC050	VN085020.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:41:20 AM	MMDadoda	11/25/2024 2:03:24 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN120924	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN085142.D	1,2,3-Trichloropropane	JOHN	12/10/2024 9:52:21 AM	MMDadoda	12/10/2024 11:58:31 AM	Peak Integrated by Software
VSTDCCC050	VN085142.D	trans-1,4-Dichloro-2-but ene	JOHN	12/10/2024 9:52:21 AM	MMDadoda	12/10/2024 11:58:31 AM	Peak Integrated by Software
VN1209WBS01	VN085144.D	1,2,3-Trichloropropane	JOHN	12/10/2024 9:52:26 AM	MMDadoda	12/10/2024 11:58:32 AM	Peak Integrated by Software
VN1209WBSD0 1	VN085145.D	1,2,3-Trichloropropane	JOHN	12/10/2024 9:52:30 AM	MMDadoda	12/10/2024 11:58:33 AM	Peak Integrated by Software
VN1209WBSD0 1	VN085145.D	trans-1,4-Dichloro-2-but ene	JOHN	12/10/2024 9:52:30 AM	MMDadoda	12/10/2024 11:58:33 AM	Peak Integrated by Software
VSTDCCC050	VN085153.D	1,2,3-Trichloropropane	JOHN	12/10/2024 9:52:40 AM	MMDadoda	12/10/2024 11:58:36 AM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112224

Review By	John Carlone	Review On	11/25/2024 9:42:43 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/25/2024 2:03:31 PM		
SubDirectory	VN112224	HP Acquire Method		HP Processing Method	82N112224W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131747
Initial Calibration Stds	VP131752,VP131753,VP131754,VP131755,VP131756,VP131757
CCC	VP131751
Internal Standard/PEM	
ICV/I.BLK	VP131758
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085003.D	22 Nov 2024 09:29	JC\MD	Ok
2	VSTDCCC050	VN085004.D	22 Nov 2024 10:40	JC\MD	Not Ok
3	VSTDICC100	VN085005.D	22 Nov 2024 11:22	JC\MD	Ok,M
4	VSTDICCC050	VN085006.D	22 Nov 2024 11:46	JC\MD	Ok,M
5	VSTDICC020	VN085007.D	22 Nov 2024 12:10	JC\MD	Ok,M
6	VSTDICC010	VN085008.D	22 Nov 2024 12:34	JC\MD	Ok,M
7	VSTDICC005	VN085009.D	22 Nov 2024 12:57	JC\MD	Ok,M
8	VSTDICC001	VN085010.D	22 Nov 2024 13:45	JC\MD	Ok,M
9	IBLK	VN085011.D	22 Nov 2024 14:09	JC\MD	Ok
10	VSTDICV050	VN085012.D	22 Nov 2024 16:07	JC\MD	Ok,M
11	VN1122WBL01	VN085013.D	22 Nov 2024 17:05	JC\MD	Ok
12	VN1122WBS01	VN085014.D	22 Nov 2024 18:05	JC\MD	Ok,M
13	VN1122WBSD01	VN085015.D	22 Nov 2024 18:29	JC\MD	Ok,M
14	P4845-21	VN085016.D	22 Nov 2024 19:17	JC\MD	Dilution
15	P4845-22	VN085017.D	22 Nov 2024 19:41	JC\MD	ReRun
16	P4845-23	VN085018.D	22 Nov 2024 20:05	JC\MD	Ok,M
17	P4845-24	VN085019.D	22 Nov 2024 20:29	JC\MD	Ok,M
18	VSTDCCC050	VN085020.D	22 Nov 2024 20:52	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN120924

Review By	John Carlone	Review On	12/10/2024 9:53:44 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/10/2024 11:58:43 AM		
SubDirectory	VN120924	HP Acquire Method		HP Processing Method	82N112224W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132021
Initial Calibration Stds	
CCC	VP132022,VP132023
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085141.D	09 Dec 2024 09:58	JC\MD	Ok
2	VSTDCCC050	VN085142.D	09 Dec 2024 10:32	JC\MD	Ok,M
3	VN1209WBL01	VN085143.D	09 Dec 2024 11:11	JC\MD	Ok
4	VN1209WBS01	VN085144.D	09 Dec 2024 11:35	JC\MD	Ok,M
5	VN1209WBSD01	VN085145.D	09 Dec 2024 12:09	JC\MD	Ok,M
6	P5133-02	VN085146.D	09 Dec 2024 12:33	JC\MD	Ok,M
7	P5136-02	VN085147.D	09 Dec 2024 12:57	JC\MD	Ok
8	P5095-04	VN085148.D	09 Dec 2024 13:22	JC\MD	Ok
9	P5096-04	VN085149.D	09 Dec 2024 13:46	JC\MD	Ok
10	P5096-08	VN085150.D	09 Dec 2024 14:10	JC\MD	Ok
11	P5117-02	VN085151.D	09 Dec 2024 14:35	JC\MD	Ok
12	PB165391TB	VN085152.D	09 Dec 2024 14:59	JC\MD	Ok
13	VSTDCCC050	VN085153.D	09 Dec 2024 16:14	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112224

Review By	John Carlone	Review On	11/25/2024 9:42:43 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/25/2024 2:03:31 PM		
SubDirectory	VN112224	HP Acquire Method		HP Processing Method	82N112224W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131747
Initial Calibration Stds	VP131752,VP131753,VP131754,VP131755,VP131756,VP131757
CCC	VP131751
Internal Standard/PEM	
ICV/I.BLK	VP131758
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085003.D	22 Nov 2024 09:29		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085004.D	22 Nov 2024 10:40	Need ICAL	JC\MD	Not Ok
3	VSTDICC100	VSTDICC100	VN085005.D	22 Nov 2024 11:22		JC\MD	Ok,M
4	VSTDICCC050	VSTDICCC050	VN085006.D	22 Nov 2024 11:46		JC\MD	Ok,M
5	VSTDICC020	VSTDICC020	VN085007.D	22 Nov 2024 12:10	Comp. #18 is on Linear Regression	JC\MD	Ok,M
6	VSTDICC010	VSTDICC010	VN085008.D	22 Nov 2024 12:34		JC\MD	Ok,M
7	VSTDICC005	VSTDICC005	VN085009.D	22 Nov 2024 12:57		JC\MD	Ok,M
8	VSTDICC001	VSTDICC001	VN085010.D	22 Nov 2024 13:45		JC\MD	Ok,M
9	IBLK	IBLK	VN085011.D	22 Nov 2024 14:09		JC\MD	Ok
10	VSTDICV050	ICVVN112224	VN085012.D	22 Nov 2024 16:07		JC\MD	Ok,M
11	VN1122WBL01	VN1122WBL01	VN085013.D	22 Nov 2024 17:05		JC\MD	Ok
12	VN1122WBS01	VN1122WBS01	VN085014.D	22 Nov 2024 18:05		JC\MD	Ok,M
13	VN1122WBSD01	VN1122WBSD01	VN085015.D	22 Nov 2024 18:29		JC\MD	Ok,M
14	P4845-21	FSND-MW-13-2024111	VN085016.D	22 Nov 2024 19:17	vial A pH<2 Need 5X	JC\MD	Dilution
15	P4845-22	FSND-MW-11R-202411	VN085017.D	22 Nov 2024 19:41	vial A pH<2 E flage in previous sample	JC\MD	ReRun
16	P4845-23	FSND-MW-18-2024111	VN085018.D	22 Nov 2024 20:05	vial A pH<2	JC\MD	Ok,M
17	P4845-24	FSND-MW-20-2024111	VN085019.D	22 Nov 2024 20:29	vial A pH<2	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112224

Review By	John Carlone	Review On	11/25/2024 9:42:43 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/25/2024 2:03:31 PM		
SubDirectory	VN112224	HP Acquire Method		HP Processing Method	82N112224W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131747
Initial Calibration Stds	VP131752,VP131753,VP131754,VP131755,VP131756,VP131757
CCC	VP131751
Internal Standard/PEM	
ICV/I.BLK	VP131758
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	VSTDCCC050	VSTDCCC050EC	VN085020.D	22 Nov 2024 20:52		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN120924

Review By	John Carlone	Review On	12/10/2024 9:53:44 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/10/2024 11:58:43 AM		
SubDirectory	VN120924	HP Acquire Method		HP Processing Method	82N112224W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132021
Initial Calibration Stds	
CCC	VP132022,VP132023
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085141.D	09 Dec 2024 09:58		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085142.D	09 Dec 2024 10:32	V13516	JC\MD	Ok,M
3	VN1209WBL01	VN1209WBL01	VN085143.D	09 Dec 2024 11:11		JC\MD	Ok
4	VN1209WBS01	VN1209WBS01	VN085144.D	09 Dec 2024 11:35		JC\MD	Ok,M
5	VN1209WBSD01	VN1209WBSD01	VN085145.D	09 Dec 2024 12:09		JC\MD	Ok,M
6	P5133-02	MOO-24-00374	VN085146.D	09 Dec 2024 12:33	vial A pH#5.0	JC\MD	Ok,M
7	P5136-02	COMP-1	VN085147.D	09 Dec 2024 12:57	vial A pH#5.0	JC\MD	Ok
8	P5095-04	MH-764	VN085148.D	09 Dec 2024 13:22	vial A pH#5.0	JC\MD	Ok
9	P5096-04	MH-B	VN085149.D	09 Dec 2024 13:46	vial A pH#5.0	JC\MD	Ok
10	P5096-08	MH-A	VN085150.D	09 Dec 2024 14:10	vial A pH#5.0	JC\MD	Ok
11	P5117-02	TAPIAL2-IDW-SOIL-12	VN085151.D	09 Dec 2024 14:35	vial A pH#5.0	JC\MD	Ok
12	PB165391TB	PB165391TB	VN085152.D	09 Dec 2024 14:59		JC\MD	Ok
13	VSTDCCC050	VSTDCCC050EC	VN085153.D	09 Dec 2024 16:14		JC\MD	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB165391

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : ZHE-1

TCLP Filter ID : 50223706

Start Prep Date : 12/05/2024 **Time :** 16:40

End Prep Date : 12/06/2024 **Time :** 09:25

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature :

Supervisor By : JZ

Standared Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP110801
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
40ml VOA Vials	23237	N/A

Extraction Conformance/Non-Conformance Comments:

ALL ZHE samples are extracted and given as vial A & B. Leak checked after 10 mintues of tumbling. TUMBLER ZHE-1 checked,30 rpm.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
12/06/24 10:30	JP TCLP Room	VOC Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB165391

Sample ID	ClientID	ZHE Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P5095-04	MH-764	01	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P5096-04	MH-B	02	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P5096-08	MH-A	03	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P5117-02	TAPIAL2-IDW-SOIL-120424-00-T2	04	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P5133-02	MOO-24-00374	05	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P5136-02	COMP-1	06	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
PB165391TB	LEB391	07	N/A	500	N/A	N/A	N/A	4.94	N/A	ZHE-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P5095-04	MH-764	N/A	N/A	N/A	N/A	100	N/A
P5096-04	MH-B	N/A	N/A	N/A	N/A	100	N/A
P5096-08	MH-A	N/A	N/A	N/A	N/A	100	N/A
P5117-02	TAPIAL2-IDW-SOIL-120424-00-T2	N/A	N/A	N/A	N/A	100	N/A
P5133-02	MOO-24-00374	N/A	N/A	N/A	N/A	100	N/A
P5136-02	COMP-1	N/A	N/A	N/A	N/A	100	N/A
PB165391TB	LEB391	N/A	N/A	N/A	N/A	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP ZHE P5100 **WorkList ID :** 185996 **Department :** TCLP Extraction **Date :** 12-05-2024 09:26:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5095-04	MH-764	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L11	12/04/2024	1311 ZHE
P5096-04	MH-B	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L51	12/04/2024	1311 ZHE
P5096-08	MH-A	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L51	12/04/2024	1311 ZHE
P5117-02	TAPIAL2-IDW-SOIL-120424-00·	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L51	12/04/2024	1311 ZHE
P5133-02	MOO-24-00374	Solid	TCLP ZHE Extraction	Cool 4 deg C	WEST04	L41	12/05/2024	1311 ZHE
P5136-02	COMP-1	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L61	12/05/2024	1311 ZHE
					PSEG03	L61	12/05/2024	1311 ZHE

Date/Time 12/05/24 15:40

Raw Sample Received by: JP CCDC

Raw Sample Relinquished by: RJ CEXT-VAB

Date/Time 12/05/24 17:10

Raw Sample Received by: RJ CEXT-VAB

Raw Sample Relinquished by: JP CCDC

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Prep Standard - Chemical Standard Summary

Order ID : P5117

Test : TCLP VOA

Prepbatch ID :

Sequence ID/Qc Batch ID: VN120924,

Standard ID :
VP128762,VP128766,VP130430,VP131746,VP131767,VP131987,VP132005,VP132021,VP132022,VP132023,

Chemical ID :
V12794,V12798,V13391,V13445,V13462,V13463,V13707,V13806,V14020,V14021,V14105,V14106,V14145,V14147,V14152,V14154,V14173,V14174,V14192,V14194,V14201,V14289,V14434,V14437,V14650,V14651,V14652,W3112,

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	VP128762	07/01/2024	12/11/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/02/2024

FROM 0.50000ml of V12798 + 1.50000ml of V12794 + 23.00000ml of V14147 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
719	8260 Working STD (BCM)-First source, 400PPM	VP128766	07/01/2024	12/11/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/02/2024

FROM 1.50000ml of V13462 + 1.50000ml of V13463 + 12.00000ml of V14147 = Final Quantity: 15.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
617	8260 Surrogate, 400PPM	VP130430	09/20/2024	02/28/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 09/26/2024

FROM 0.40000ml of V13707 + 24.60000ml of V14145 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
247	8260 Internal Standard, 250PPM	VP131746	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/23/2024

FROM 0.50000ml of V14289 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP131767	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/27/2024

FROM 0.50000ml of V13391 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP131987	12/06/2024	01/05/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 1.00000ml of V14652 + 1.50000ml of V14650 + 1.50000ml of V14651 + 21.00000ml of V14152 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	VP132005	12/09/2024	01/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 0.40000ml of V13445 + 1.00000ml of V13806 + 1.00000ml of V14020 + 1.00000ml of V14021 + 1.00000ml of V14105 + 1.00000ml of V14106 + 1.00000ml of V14173 + 1.00000ml of V14174 + 1.00000ml of V14194 + 1.00000ml of V14434 + 1.00000ml of V14437 + 1.50000ml of V14192 + 1.50000ml of V14201 + 10.60000ml of V14152 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP132021	12/09/2024	12/10/2024	John Carlone	None	None	Semsettin Yesilyurt 12/10/2024

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP132022	12/09/2024	12/10/2024	John Carlone	None	None	Semsettin Yesilyurt 12/10/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP131746 + 0.01250ml of VP128762 + 0.01250ml of VP131987 + 0.01250ml of VP132005 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP132023	12/09/2024	12/10/2024	John Carlone	None	None	Semsettin Yesilyurt 12/10/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP131746 + 0.01250ml of VP128762 + 0.01250ml of VP131987 + 0.01250ml of VP132005 = Final Quantity: 40.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	121321	12/13/2024	06/25/2024 / SAM	03/30/2022 / SAM	V12794

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	121321	12/13/2024	06/25/2024 / SAM	03/30/2022 / SAM	V12798

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/22/2025	11/22/2024 / SAM	01/13/2023 / SAM	V13391

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0181905	02/28/2025	11/26/2024 / SAM	01/23/2023 / SAM	V13445

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	01/01/2025	07/01/2024 / SAM	01/27/2023 / SAM	V13462

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	01/01/2025	07/01/2024 / SAM	01/27/2023 / SAM	V13463

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0196865	06/10/2025	06/10/2024 / SAM	04/12/2023 / SAM	V13707

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0194279	03/16/2025	09/16/2024 / SAM	05/31/2023 / SAM	V13806

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	032922	03/29/2025	11/26/2024 / SAM	11/22/2023 / SAM	V14020

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	032922	03/29/2025	11/26/2024 / SAM	11/22/2023 / SAM	V14021

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0205179	05/26/2025	11/26/2024 / SAM	12/22/2023 / SAM	V14105

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0205179	05/26/2025	11/26/2024 / SAM	12/22/2023 / SAM	V14106

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	02/28/2025	08/29/2024 / SAM	02/06/2024 / SAM	V14145

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	12/11/2024	06/11/2024 / pedro	02/06/2024 / SAM	V14147

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	04/14/2025	10/14/2024 / SAM	02/06/2024 / SAM	V14152

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	05/18/2025	11/18/2024 / pedro	02/06/2024 / SAM	V14154

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	05/26/2025	11/26/2024 / SAM	02/20/2024 / SAM	V14173

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	05/26/2025	11/26/2024 / SAM	02/20/2024 / SAM	V14174

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	05/26/2025	11/26/2024 / SAM	02/28/2024 / SAM	V14192

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	05/26/2025	11/26/2024 / SAM	02/28/2024 / SAM	V14194

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	05/26/2025	11/26/2024 / SAM	02/28/2024 / SAM	V14201

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	11/22/2025	11/22/2024 / SAM	04/15/2024 / SAM	V14289

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	05/26/2025	11/26/2024 / SAM	08/15/2024 / SAM	V14434

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	05/26/2025	11/26/2024 / SAM	08/15/2024 / SAM	V14437

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	120524	01/05/2025	12/06/2024 / SAM	12/06/2024 / SAM	V14650

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	120524	01/05/2025	12/06/2024 / SAM	12/06/2024 / SAM	V14651

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	120524	01/05/2025	12/06/2024 / SAM	12/06/2024 / SAM	V14652

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EG359-USQ12

Formulated By:	Prashant Chauhan	021624	DATE
Reviewed By:	Pedro L. Rentas	021624	DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 5E-05 Balance Uncertainty 0.021 Flask Uncertainty

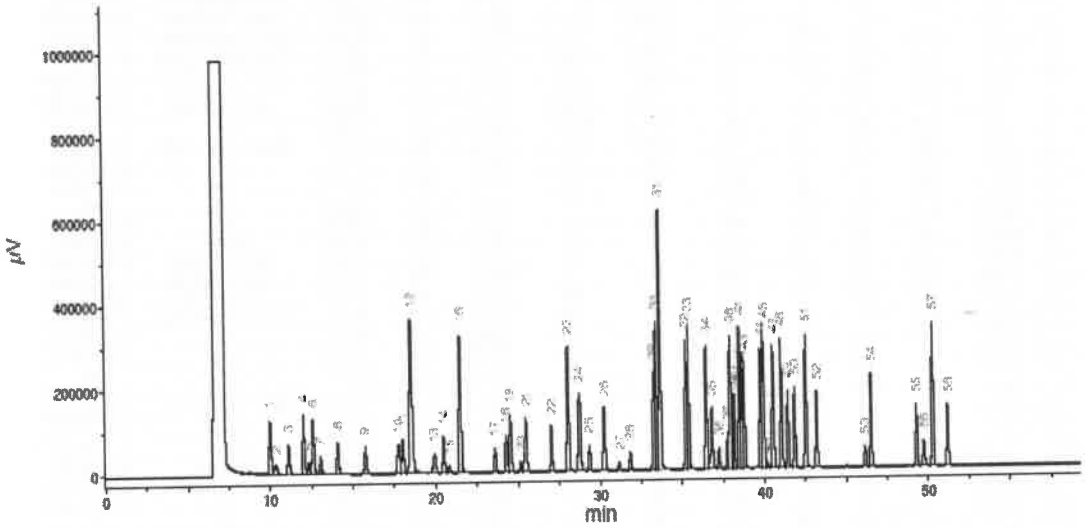
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0361)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.6	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.46
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.86
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.18
35	cis-1,4-Dichloro-2-Butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-2-Butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.46
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EG359-USQ12

Formulated By:	Prashant Chauhan	021624	DATE
Reviewed By:	Pedro L. Rentas	021624	DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty 5E-05 Balance Uncertainty

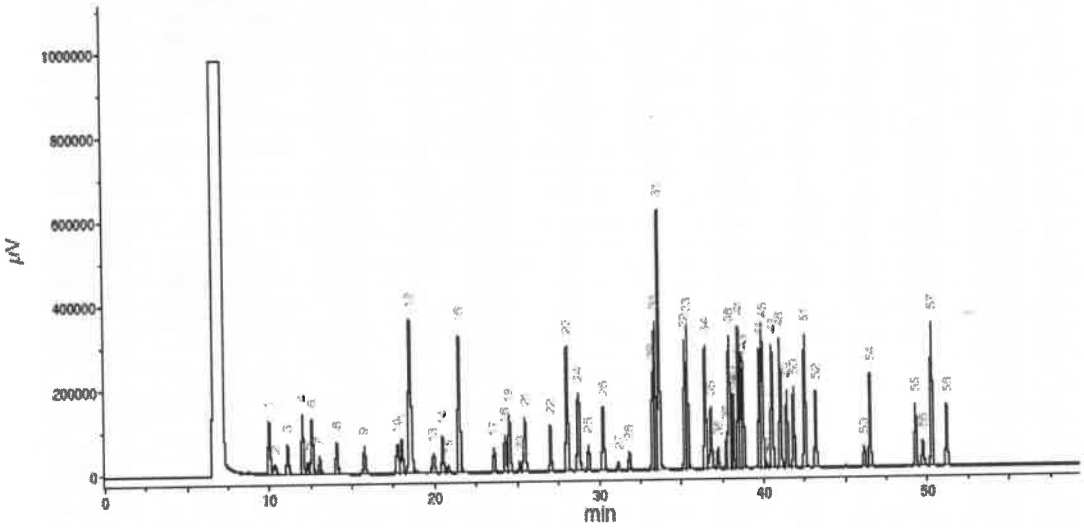
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0361)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 750mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.6	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.46
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.86
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.18
35	cis-1,4-Dichloro-2-Butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-2-Butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.48
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

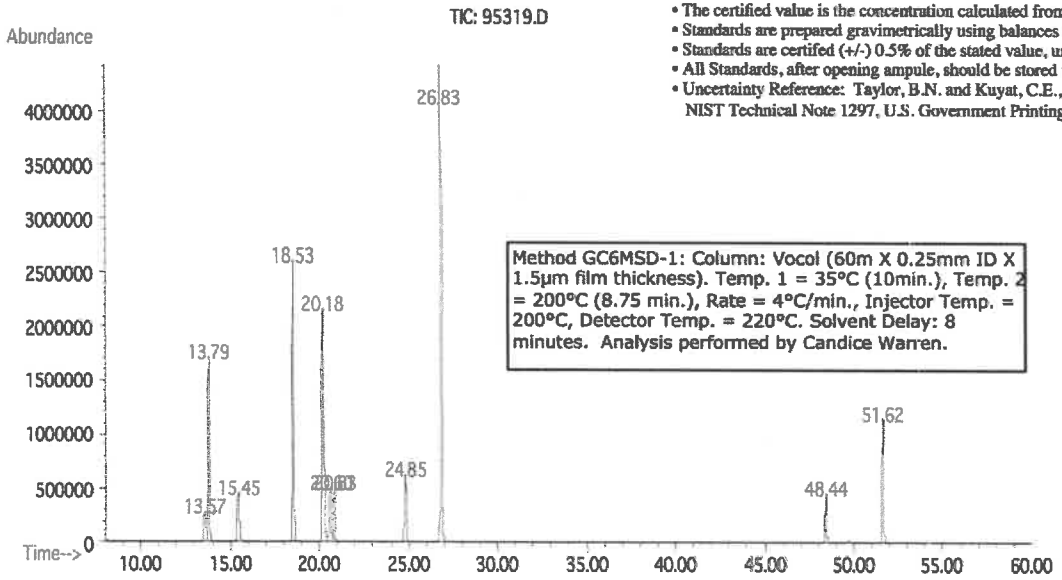
Part Number: 95319
Lot Number: 032922
Description: Revised Additions Mix
11 components
Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Solvent(s): **Lot#**
Methanol EC592-US

Formulated By: Prashant Chauhan 032922 DATE

Reviewed By: Pedro L. Rentas 032922 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01030	10001.5	40.5	107-13-1	N/A	orl-rat 78 mg/kg
2. 1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20003	0.20020	2001.7	8.1	109-69-3	N/A	orl-rat 2670mg/kg
3. Cyclohexane	1023	28930	2000	99	0.2	0.20203	0.20215	2001.2	8.2	110-82-7	300 ppm (1050mg/m3/8H)	orl-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-20-3	500 ppm (2100mg/m3/8H)	orl-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04060	4.04100	40004.0	161.9	123-91-1	25 ppm (90mg/m3/8H)(skin)	orl-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20203	0.20213	2001.0	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
7. Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-87-2	N/A	N/A
8. Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20041	0.20055	2001.4	8.1	1634-04-4	N/A	orl-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02045	20001.5	81.0	107-12-0	N/A	orl-rat 39mg/kg
10. Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00105	1.00120	10001.5	40.1	109-99-9	20 ppm (590mg/m3/8H)	orl-rat 1650mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21506	0.21520	2001.3	8.7	488-23-3	N/A	orl-rat 6408mg/kg



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components:	CAS#:	LD50 Oral - Rat	OSHA PEL	% (optional)
Methanol	67-56-1	2,769 mg/kg	200 ppm	> 99

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

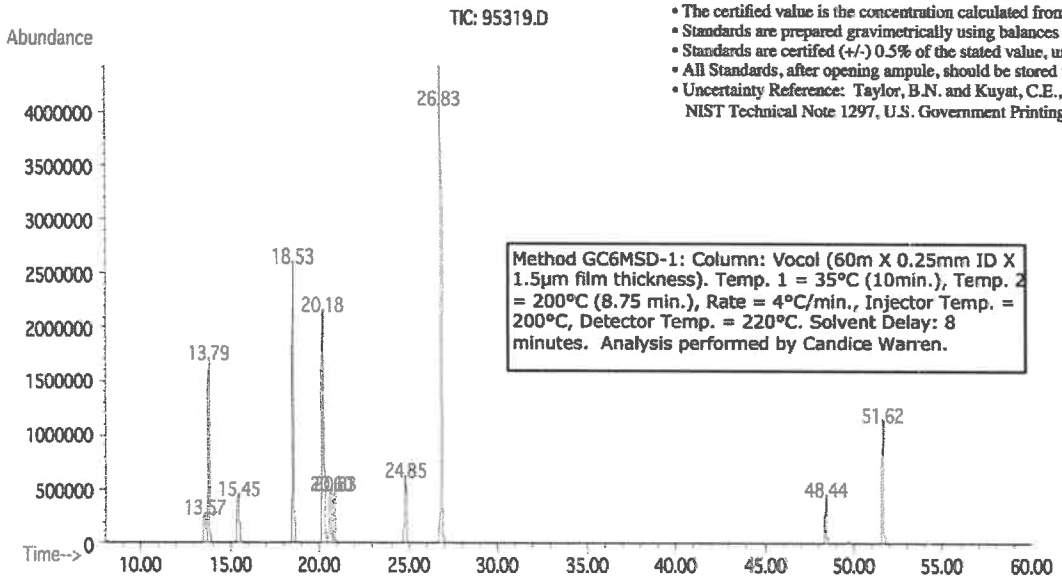
Part Number: 95319
Lot Number: 032922
Description: Revised Additions Mix
11 components
Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Solvent(s): Methanol **Lot#** EC592-US

Formulated By: Prashant Chauhan 032922 DATE

Reviewed By: Pedro L. Rentas 032922 DATE

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01030	10001.5	40.5	107-13-1	N/A	orl-rat 78 mg/kg
2.	1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20003	0.20020	2001.7	8.1	109-69-3	N/A	orl-rat 2670mg/kg
3.	Cyclohexane	1023	28930	2000	99	0.2	0.20203	0.20215	2001.2	8.2	110-82-7	300 ppm (1050mg/m3/8H)	orl-rat 12705mg/kg
4.	Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-20-3	500 ppm (2100mg/m3/8H)	orl-rat 8470mg/kg
5.	1,4-Dioxane	373	03853KE	40000	99	0.2	4.04060	4.04100	40004.0	161.9	123-91-1	25 ppm (90mg/m3/8H)(skin)	orl-mus 5700mg/kg
6.	Hexachloroethane	199	12604HBV	2000	99	0.2	0.20203	0.20213	2001.0	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
7.	Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-87-2	N/A	N/A
8.	Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20041	0.20055	2001.4	8.1	1634-04-4	N/A	orl-rat 4g/kg
9.	Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02045	20001.5	81.0	107-12-0	N/A	orl-rat 39mg/kg
10.	Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00105	1.00120	10001.5	40.1	109-99-9	20 ppm (590mg/m3/8H)	orl-rat 1650mg/kg
11.	1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21506	0.21520	2001.3	8.7	488-23-3	N/A	orl-rat 6408mg/kg



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components:	CAS#:	LD50 Oral - Rat	OSHA PEL	% (optional)
Methanol	67-56-1	2,769 mg/kg	200 ppm	> 99

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Dec 12/6/24
5 Vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 120524
Description: Acrolein

Expiration Date: 010525
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

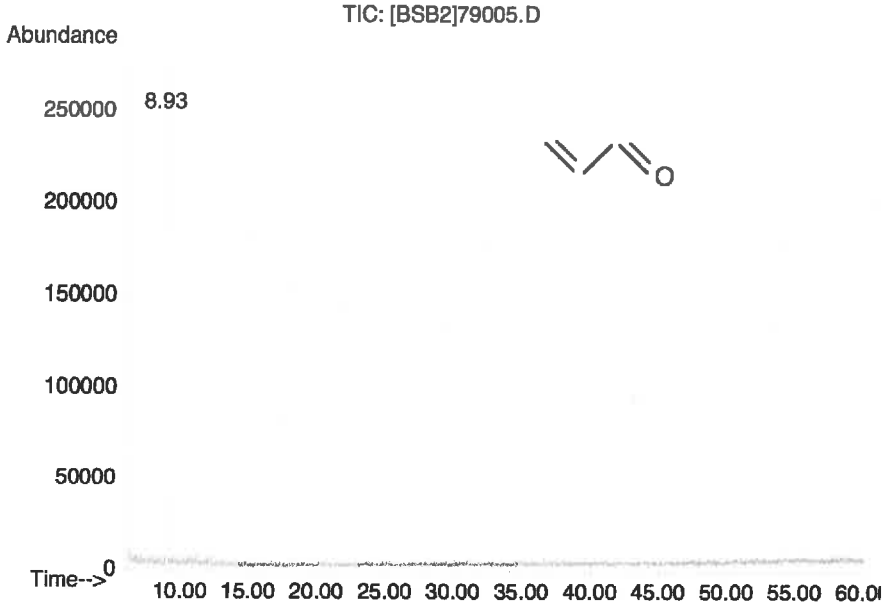
V14650-54

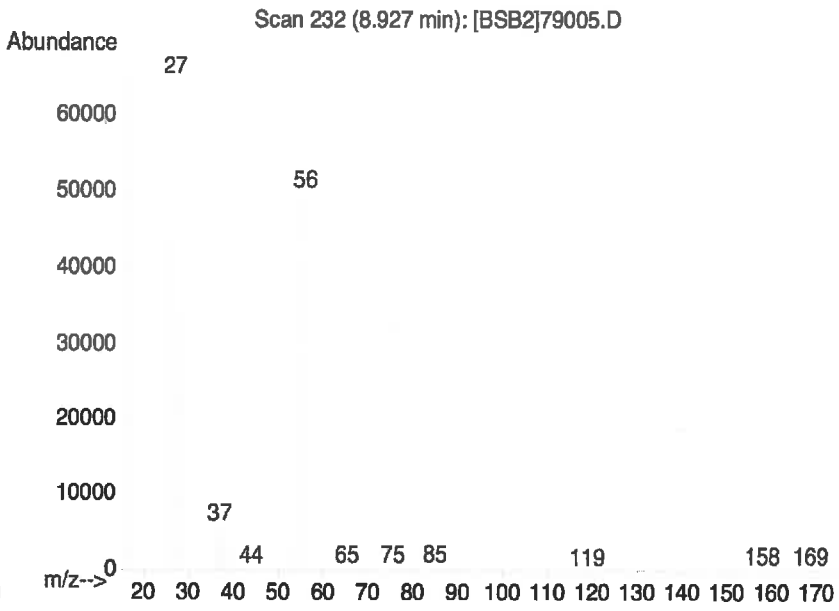
Prashant Chauhan	120524	
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas	120524	
Reviewed By:	Pedro L. Rentas	DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755R02H	5000	97	0.5	0.10307	0.10320	5006.1	51.8	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.





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- **Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Absolute Standards Inc.

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Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water	CAS#: 7732-18-5	TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA
Solubility in Water	Completely miscible		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA

Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA

Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
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Certified Reference Material CRM

Rec 12/6/24
5 Vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 120524
Description: Acrolein

Expiration Date: 010525
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

V14650-54

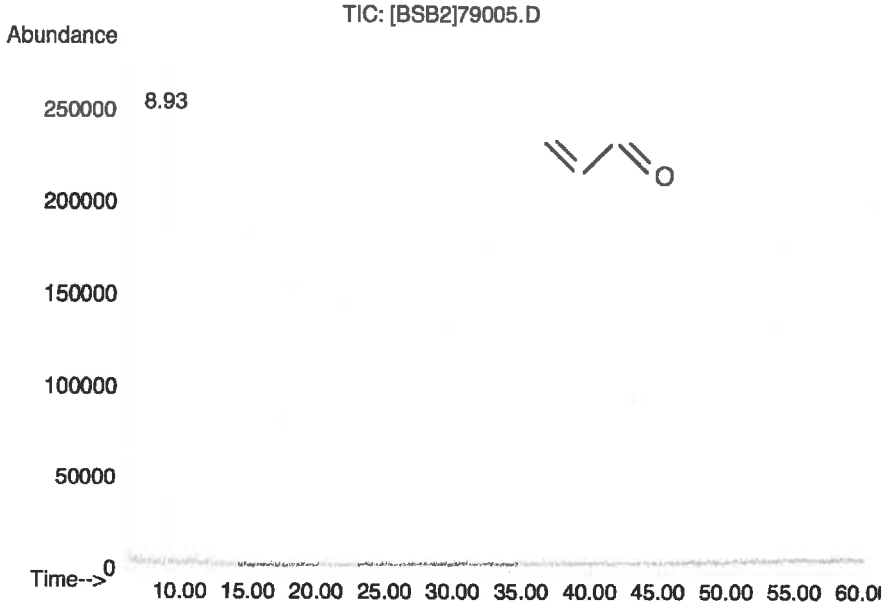
Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

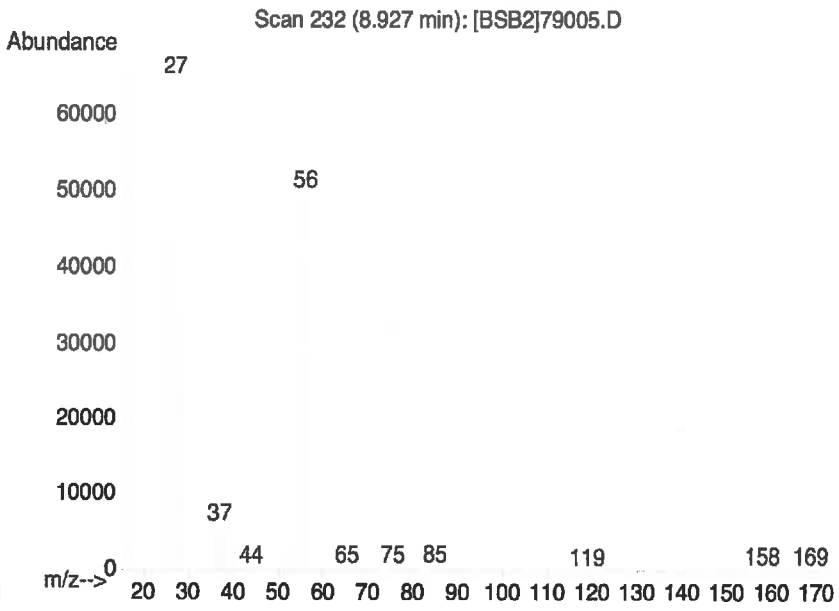
5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755R02H	5000	97	0.5	0.10307	0.10320	5006.1	51.8	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.





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Phone: 203-281-2917
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Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — NA
Conditions to avoid — NA
Materials to avoid — NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat — NA
LC50 Inhalation - Rat — NA
LD50 Dermal - Guinea pig — NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 — NA
EC50 — NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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Certified Reference Material CRM

Rec 12/6/24
5 Vial

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AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 120524
Description: Acrolein

Expiration Date: 010525
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

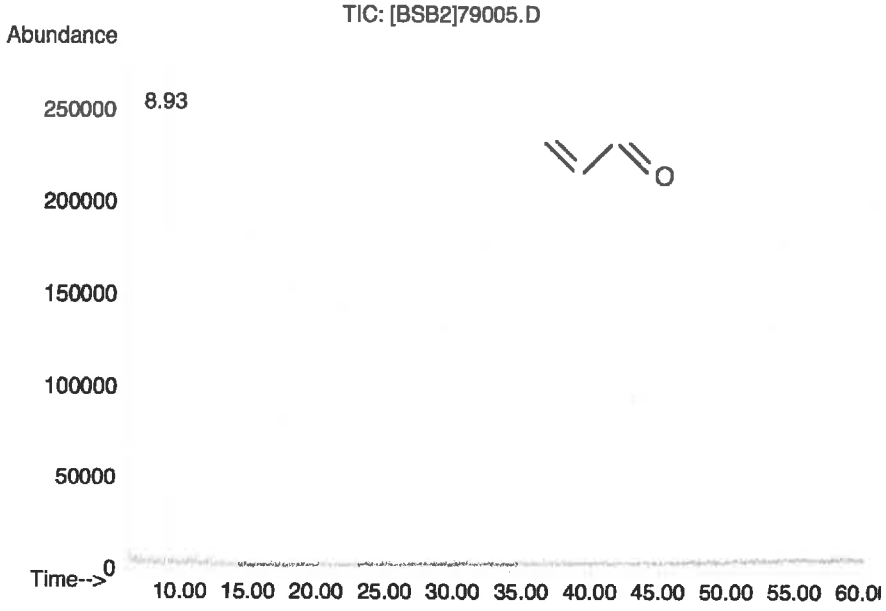
V14650-54

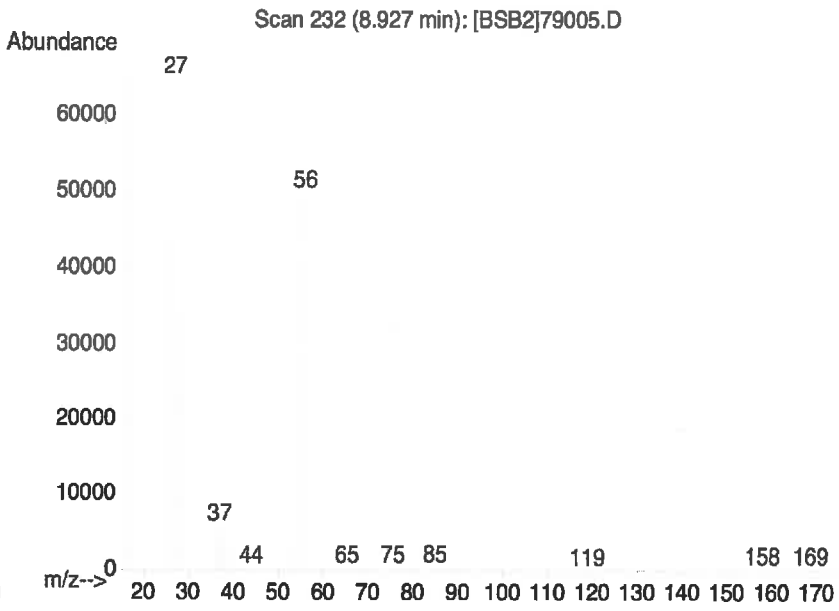
Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755R02H	5000	97	0.5	0.10307	0.10320	5006.1	51.8	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water	CAS#: 7732-18-5	TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — NA
Conditions to avoid — NA
Materials to avoid — NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat — NA
LC50 Inhalation - Rat — NA
LD50 Dermal - Guinea pig — NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 — NA
EC50 — NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 121321
Description: 2-Chloroethyl vinyl ether

Expiration Date: 121324
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

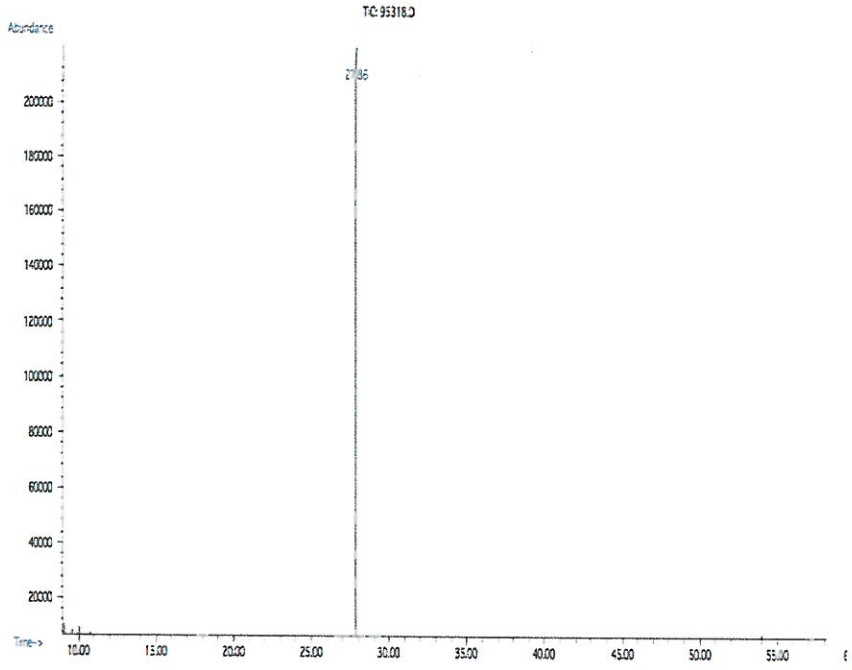
Solvent(s):	Lot#
Methanol	EA899-US

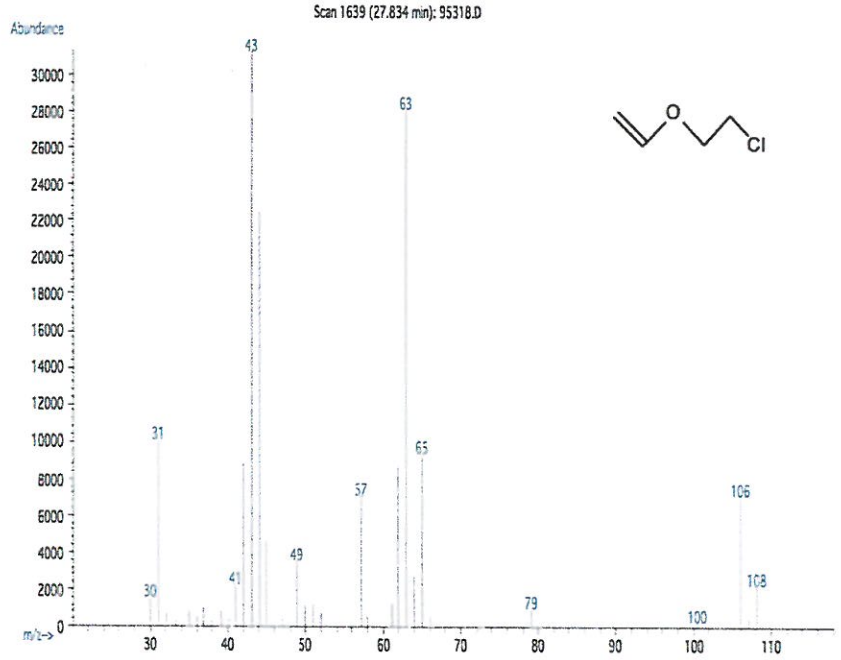
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 30.0 0.0003 Flask Uncertainty

Formulated By:	Benson Chan	121321 DATE
Reviewed By:	Pedro L. Rentas	121321 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.30320	0.30411	10030.2	40.7	110-75-8	N/A	orl-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
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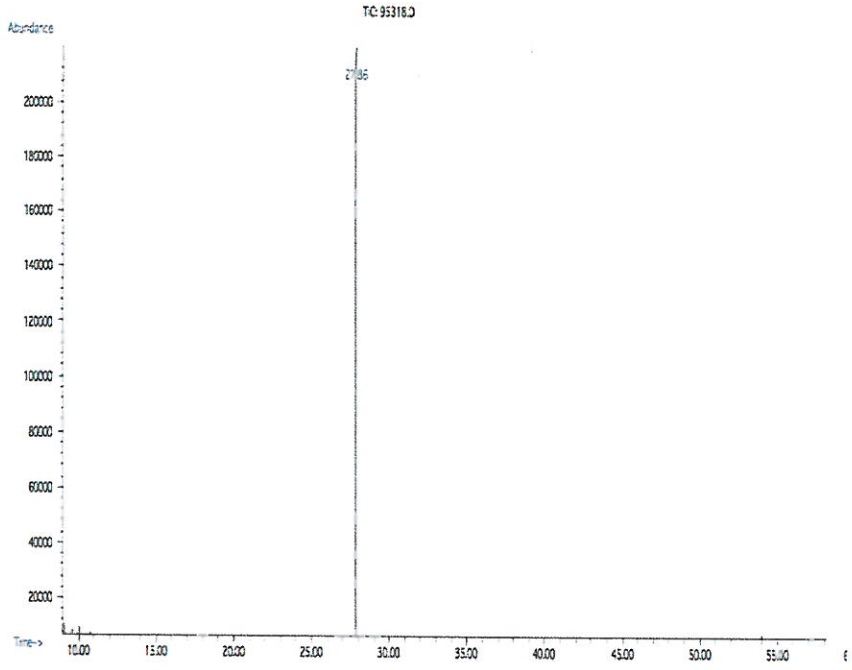
Methanol	EA899-US

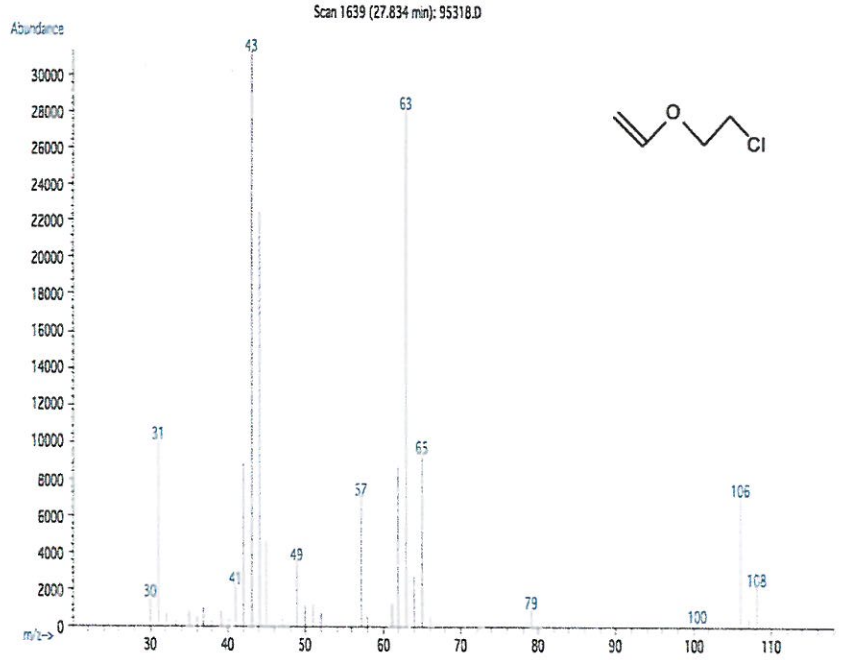
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 30.0 0.0003 Flask Uncertainty

Formulated By:	Benson Chan	121321 DATE
Reviewed By:	Pedro L. Rentas	121321 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.30320	0.30411	10030.2	40.7	110-75-8	N/A	orl-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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RESTEK®
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Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0181905

Description : tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	tert-Butanol (TBA) **CAS #** 75-65-0 **Purity** 99%	(Lot SHBM7694)	50,126.0 µg/mL	+/- 293.4988 µg/mL +/- 1,073.7654 µg/mL +/- 1,104.9494 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

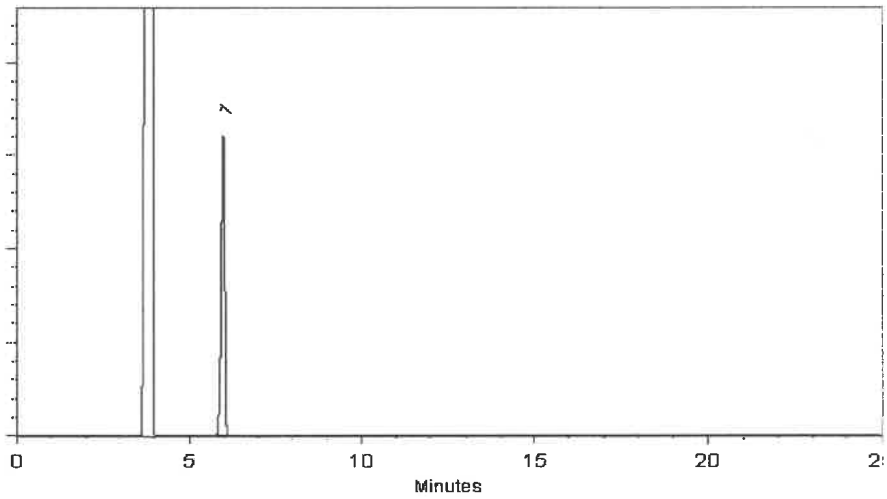
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 16-Feb-2022 **Balance:** B442140311

Marlina Cowan - Operations Tech I

Date Passed: 21-Feb-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

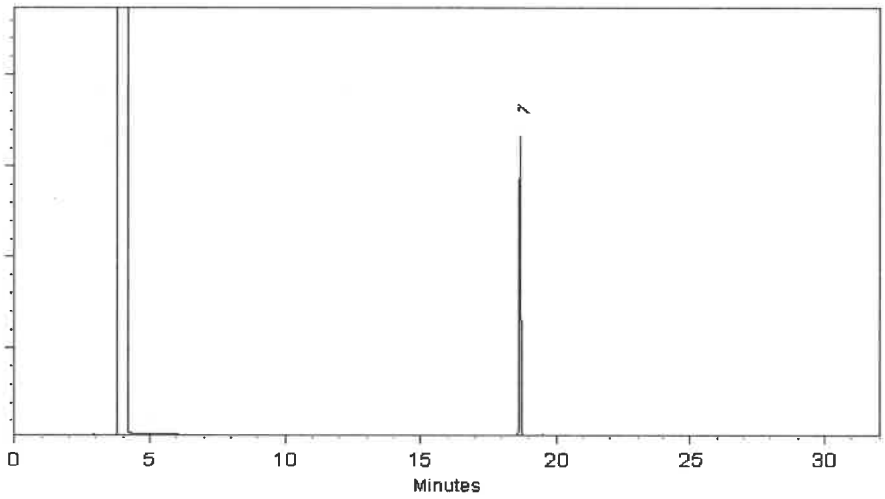
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I

Date Mixed: 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 21-Nov-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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ACCREDITED
ISO/IEC 17025 Accredited
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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

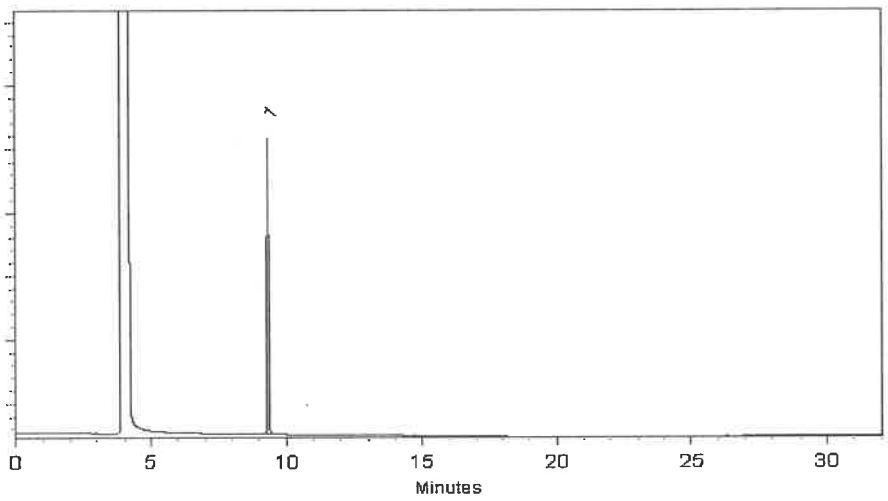
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

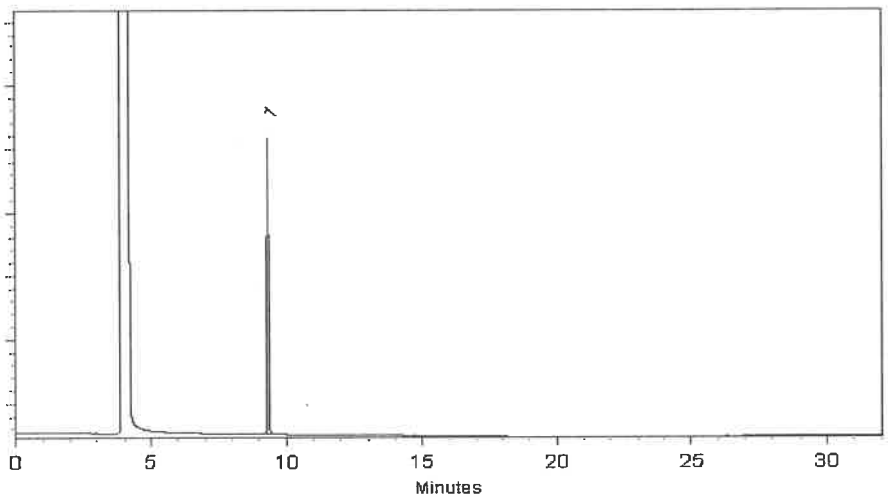
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0194279

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,001.5 µg/mL	+/- 112.7231
2	Chloromethane (methyl chloride)	74-87-3	SHBK6571	99%	2,001.2 µg/mL	+/- 112.5863
3	Vinyl chloride	75-01-4	00015559	99%	2,001.4 µg/mL	+/- 112.6561
4	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,006.4 µg/mL	+/- 112.8262
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,001.9 µg/mL	+/- 112.5897
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	2,000.8 µg/mL	+/- 112.6473

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

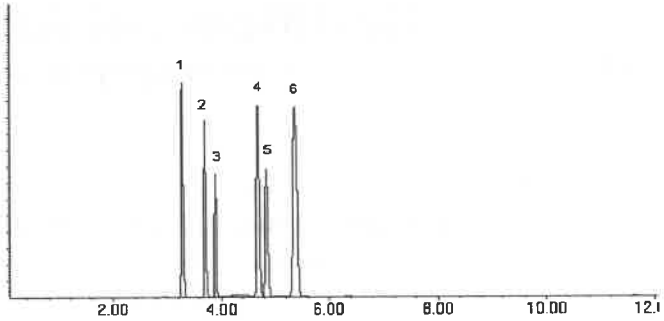
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 03-Feb-2023 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 07-Feb-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0196865

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

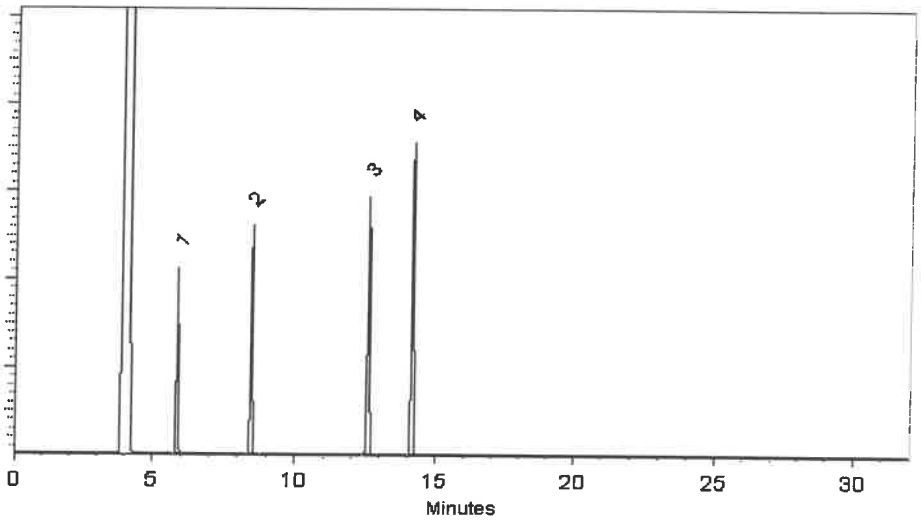
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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Catalog No. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

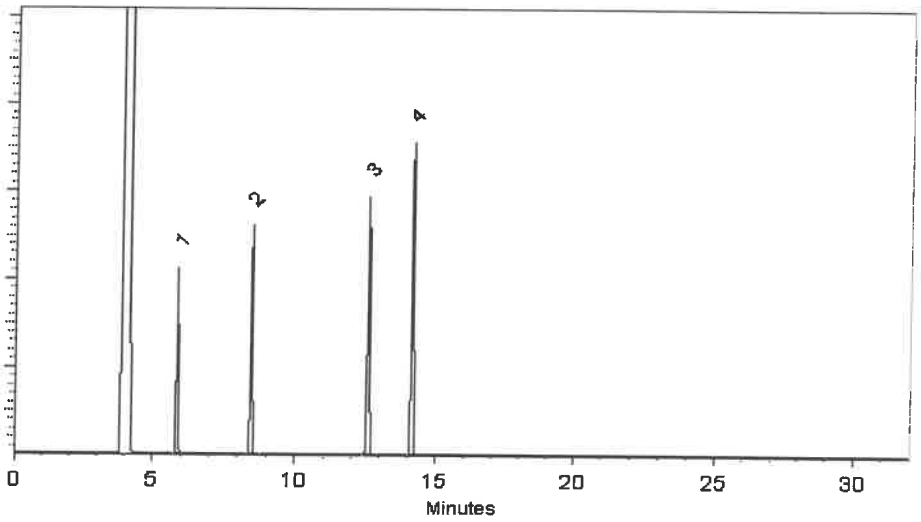
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

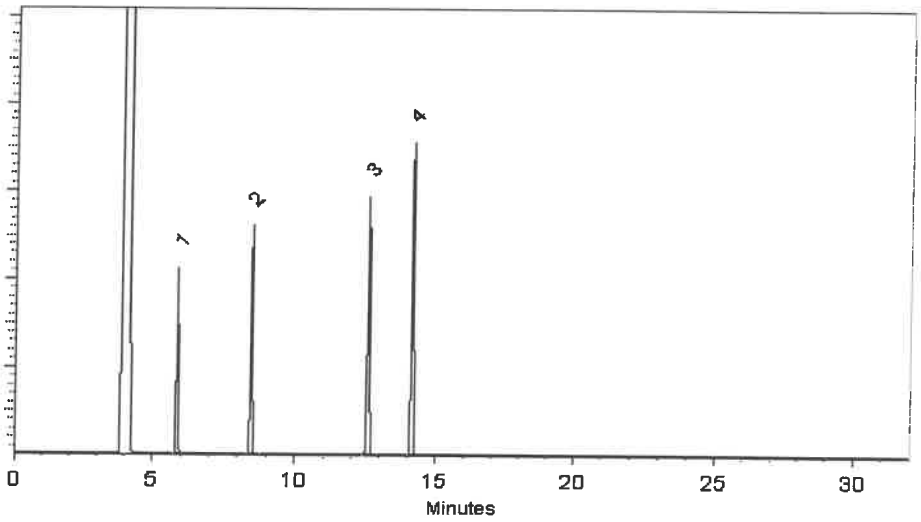
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate of Analysis

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ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0205179

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RP231030CTH	98%	8,075.2 µg/mL	+/- 279.1159

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

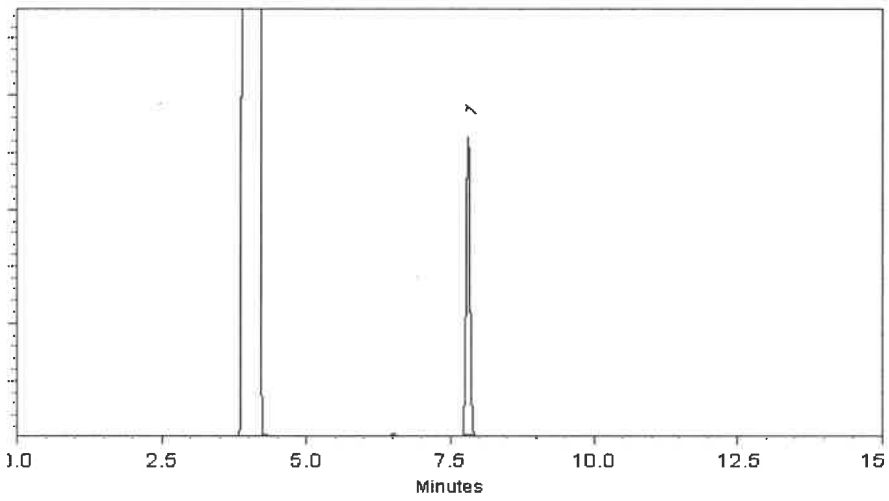
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Daniel Wasson - Operations Tech I **Date Mixed:** 06-Dec-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 11-Dec-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0205179

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RP231030CTH	98%	8,075.2 µg/mL	+/- 279.1159

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

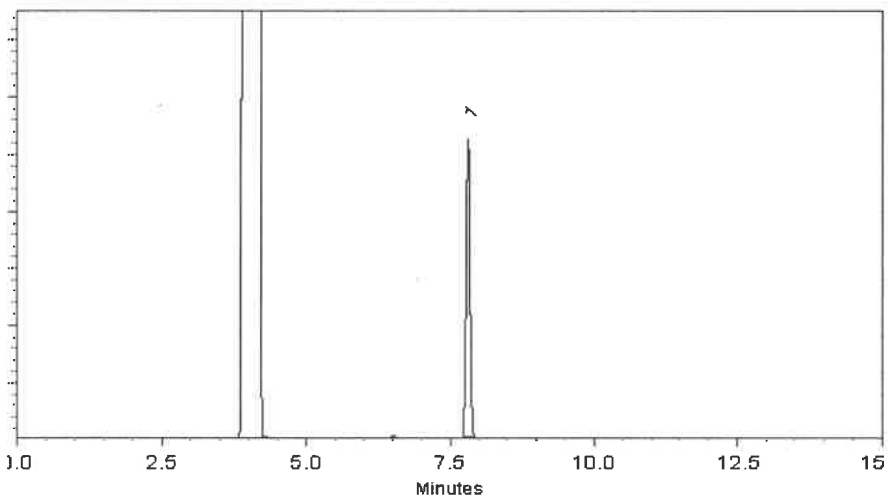
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Daniel Wasson - Operations Tech I **Date Mixed:** 06-Dec-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 11-Dec-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

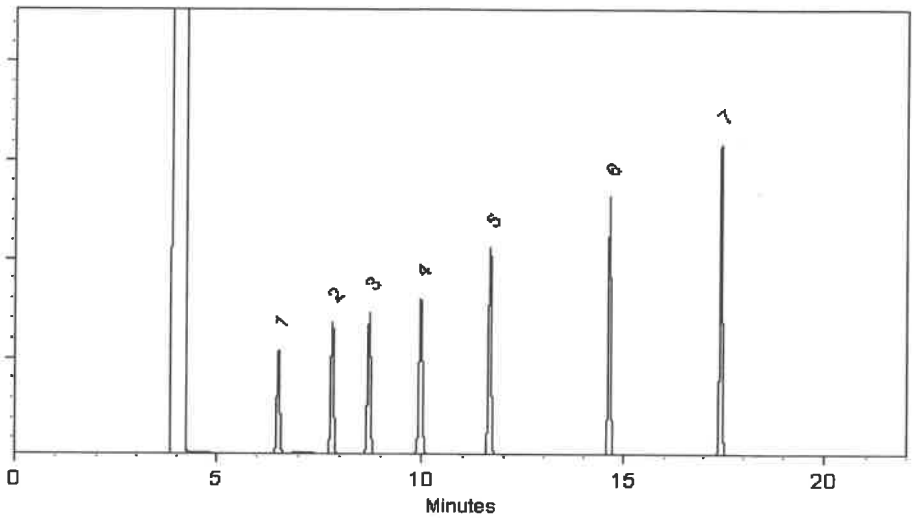
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

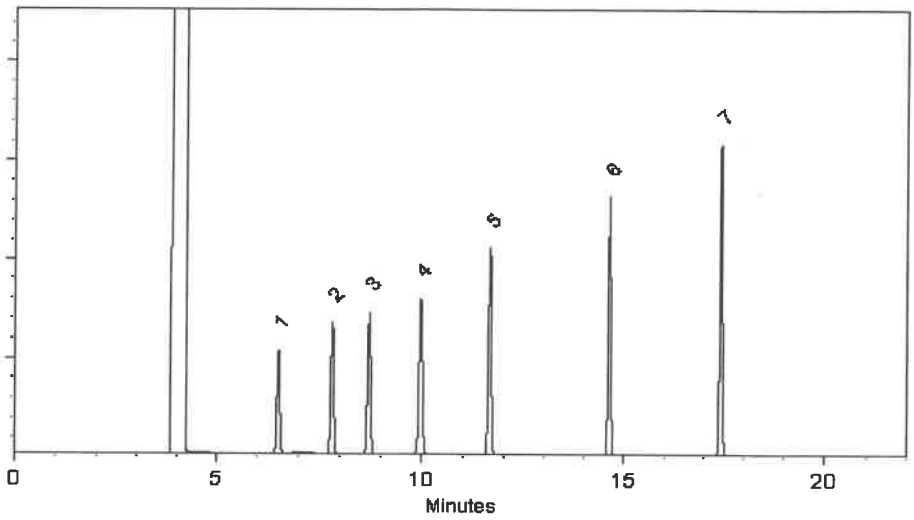
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

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For Purge and Trap Analysis

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Performance Tested for Use in EPA Methods
500 Series for Drinking Water
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846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

SHIPPING DOCUMENTS

P5117

Weston COC ID
Weston_20241204

Chain of Custody Record/Lab Work Request

Page 1 of 1

Client:	Weston Solutions, Inc.		
Project Manager:	David Sembrot		
Street Address:	1400 Weston Way	City:	West Chester
Phone:	610-314-5456	ST, ZIP:	PA, 19038
e-mail:	david.sembrot@westonsolutions.com		
Sampled By:	Cheyenne Harrington		

Project Name:	Fort Meade RI	Project POC:	Nathan Fretz
PO Number	0111169	Phone:	484-524-5665
W.O. #:		POC e-mail:	nathan.fretz@westonsolutions.com
Lab:	CHEMTECH	Lab POC:	Jordan Hedvat
TAT (days):	21	Lab Phone:	908-728-3144
Lab Address:	284 Sheffield Street Mountainside, NJ 07092		

Lab Use Only		
Temperature of cooler when received (°C)		
COC Tape was present and unbroken on outer package?	Y	N
Samples received in good condition?	Y	N
Labels indicate properly preserved?	Y	N
Received within holding times?	Y	N
Discrepancies between sample labels and COC record?	Y	N

Matrix Codes	
SB-	Soil
SE -	Sediment
SO -	Solid
SL -	Sludge
GW -	Groundwater
W -	Water
O -	Oil
A -	Air
DS -	Drum Solids
DL -	Drum Liquids
L -	EP/TCLP Leachate
WI -	Wipe
X -	Other
F -	Fish

#	Sample ID	G/C	Matrix	# Cont	MS/MSD	Date Collected	Time Collected	pH by EPA 9045D	TAL Metals by EPA 6020B/7471B	TOC by 9060A	TCLP VOCs by EPA 8260D (1311)	TCLP SVOCs by EPA 8270E (1311)	TCLP Metals by EPA 6010D/7470A	TCLP Pesticides by EPA 8081B	TCLP Herbicides by EPA 8151A	Total Sulfide by EPA 9034	Total Cyanide by EPA 9012B	PCB by EPA 8082A	Ignitability by EPA 1030	Special Instructions/Comments
Container Type:								Glass	Glass	Glass	Encore	Glass	Glass	Glass	Glass	Glass	Glass	Glass	Glass	
Container Size:								8 oz	8 oz	8 oz	25g	8 oz	8 oz	8 oz	8 oz	8 oz	8 oz	8 oz	8 oz	
Preservative:								Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	
1	TAPIAL3-SB04I-10-120324-00-T1	g	SB	12	no	12/3/2024	14:00	X	X	X										
2	TAPIAL2-IDW-Soil-120424-00-T2	g	DS	7	no	12/4/2024	13:00	X			X	X	X	X	X	X	X	X	X	Make expedited 7 day TAT
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Shipping Airbill Number(s): 7704 9457 4944 / 7704 9457 4955

2.3 C

Cooler Number: 1 of 2

	Relinquished By	Date	Time	Received By	Date	Time	Additional Comments
1.)	Sue Lilla / WL	12/4/24	1600		12-5-24	1010	QSM 6.0 Compliant
2.)							Deliverable Requirements: DoD Level IV report, EnviroData EDD, and ERIS-compatible EDD
3.)							

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085005.D
Acq On : 22 Nov 2024 11:22
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Nov 23 01:57:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	174548	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	280535	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	240979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	257466	103.553	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 207.100%#			
35) Dibromofluoromethane	8.165	113	202772	107.183	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 214.360%#			
50) Toluene-d8	10.565	98	743711	109.694	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 219.380%#			
62) 4-Bromofluorobenzene	12.847	95	266822	105.236	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 210.480%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	202252	102.473	ug/l	98
3) Chloromethane	2.354	50	199697	87.235	ug/l	96
4) Vinyl Chloride	2.512	62	208274	101.241	ug/l	99
5) Bromomethane	2.912	94	110325	95.681	ug/l	93
6) Chloroethane	3.089	64	129044	93.064	ug/l	98
7) Trichlorofluoromethane	3.483	101	356271	101.806	ug/l	98
8) Diethyl Ether	3.953	74	128277	107.697	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	205989	103.783	ug/l	99
10) Methyl Iodide	4.577	142	268539	102.212	ug/l	98
11) Tert butyl alcohol	5.553	59	141986	427.348	ug/l	97
12) 1,1-Dichloroethene	4.330	96	190847	103.013	ug/l	97
13) Acrolein	4.171	56	111387	502.422	ug/l	96
14) Allyl chloride	5.012	41	324148	103.788	ug/l	99
15) Acrylonitrile	5.712	53	457016	485.851	ug/l	100
16) Acetone	4.424	43	399104	551.165	ug/l	98
17) Carbon Disulfide	4.700	76	527408	96.448	ug/l	97
18) Methyl Acetate	5.018	43	229272	100.214	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	649308	107.267	ug/l	99
20) Methylene Chloride	5.265	84	210468	95.251	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	199008	102.076	ug/l	92
22) Diisopropyl ether	6.665	45	634389	100.923	ug/l	98
23) Vinyl Acetate	6.595	43	2349580	541.815	ug/l	99
24) 1,1-Dichloroethane	6.565	63	380941	101.270	ug/l	98
25) 2-Butanone	7.477	43	596036	503.469	ug/l	99
26) 2,2-Dichloropropane	7.483	77	360997	102.775	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	232992	99.132	ug/l	97
28) Bromochloromethane	7.806	49	142811	100.575	ug/l	97
29) Tetrahydrofuran	7.836	42	373666	507.558	ug/l	99
30) Chloroform	7.959	83	390189	97.513	ug/l	98
31) Cyclohexane	8.253	56	318957	96.305	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	365495	101.081	ug/l	98
36) 1,1-Dichloropropene	8.365	75	276659	107.966	ug/l	99
37) Ethyl Acetate	7.553	43	236399	101.478	ug/l	100
38) Carbon Tetrachloride	8.359	117	321086	108.554	ug/l	97
39) Methylcyclohexane	9.594	83	322151	120.983	ug/l	97
40) Benzene	8.600	78	857333	105.783	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085005.D
Acq On : 22 Nov 2024 11:22
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Nov 23 01:57:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	138044	107.026	ug/l		99
42) 1,2-Dichloroethane	8.665	62	288320	103.986	ug/l		100
43) Isopropyl Acetate	8.683	43	473683	97.891	ug/l		98
44) Trichloroethene	9.347	130	197483	104.851	ug/l		96
45) 1,2-Dichloropropane	9.618	63	206776	103.586	ug/l		99
46) Dibromomethane	9.706	93	144116	103.900	ug/l		99
47) Bromodichloromethane	9.883	83	310562	105.641	ug/l		98
48) Methyl methacrylate	9.677	41	197798	109.847	ug/l		98
49) 1,4-Dioxane	9.694	88	61188	1959.471	ug/l	#	89
51) 4-Methyl-2-Pentanone	10.441	43	1162080	525.783	ug/l		98
52) Toluene	10.630	92	522980	109.001	ug/l		100
53) t-1,3-Dichloropropene	10.830	75	321790	109.180	ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	346064	110.678	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	188724	105.602	ug/l		99
56) Ethyl methacrylate	10.871	69	307844	117.883	ug/l		98
57) 1,3-Dichloropropane	11.159	76	329902	104.887	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	771827	602.530	ug/l		99
59) 2-Hexanone	11.194	43	884879	535.314	ug/l		100
60) Dibromochloromethane	11.359	129	229875	105.249	ug/l		98
61) 1,2-Dibromoethane	11.465	107	191654	103.624	ug/l		98
64) Tetrachloroethene	11.100	164	168926	104.032	ug/l		94
65) Chlorobenzene	11.888	112	543518	99.452	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	201000	104.459	ug/l		99
67) Ethyl Benzene	11.959	91	994049	112.113	ug/l		100
68) m/p-Xylenes	12.071	106	749782	222.116	ug/l		100
69) o-Xylene	12.394	106	353441	110.070	ug/l		99
70) Styrene	12.406	104	601271	112.600	ug/l		100
71) Bromoform	12.576	173	148879	104.234	ug/l	#	99
73) Isopropylbenzene	12.694	105	922085	110.216	ug/l		100
74) N-amyl acetate	12.494	43	368260	106.820	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	255286	89.359	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	344237	155.169	ug/l		49
77) Bromobenzene	12.976	156	215866	95.881	ug/l		98
78) n-propylbenzene	13.035	91	1078373	111.753	ug/l		99
79) 2-Chlorotoluene	13.123	91	658525	102.230	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	776252	110.573	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	99218	104.513	ug/l		96
82) 4-Chlorotoluene	13.218	91	669311	99.811	ug/l		99
83) tert-Butylbenzene	13.435	119	646369	107.009	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	787962	109.040	ug/l		100
85) sec-Butylbenzene	13.612	105	920223	112.777	ug/l		99
86) p-Isopropyltoluene	13.729	119	775322	115.104	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	407844	91.842	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	409489	90.361	ug/l		99
89) n-Butylbenzene	14.053	91	683538	109.120	ug/l		99
90) Hexachloroethane	14.335	117	147973	100.783	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	394872	92.796	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	50863	92.071	ug/l		95
93) 1,2,4-Trichlorobenzene	15.388	180	219866	95.107	ug/l		99
94) Hexachlorobutadiene	15.500	225	98588	92.405	ug/l		99
95) Naphthalene	15.641	128	685964	104.183	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	218578	99.092	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085005.D
Acq On : 22 Nov 2024 11:22
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Nov 23 01:57:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085005.D
Acq On : 22 Nov 2024 11:22
Operator : JC\MD
Sample : VSTDICC100
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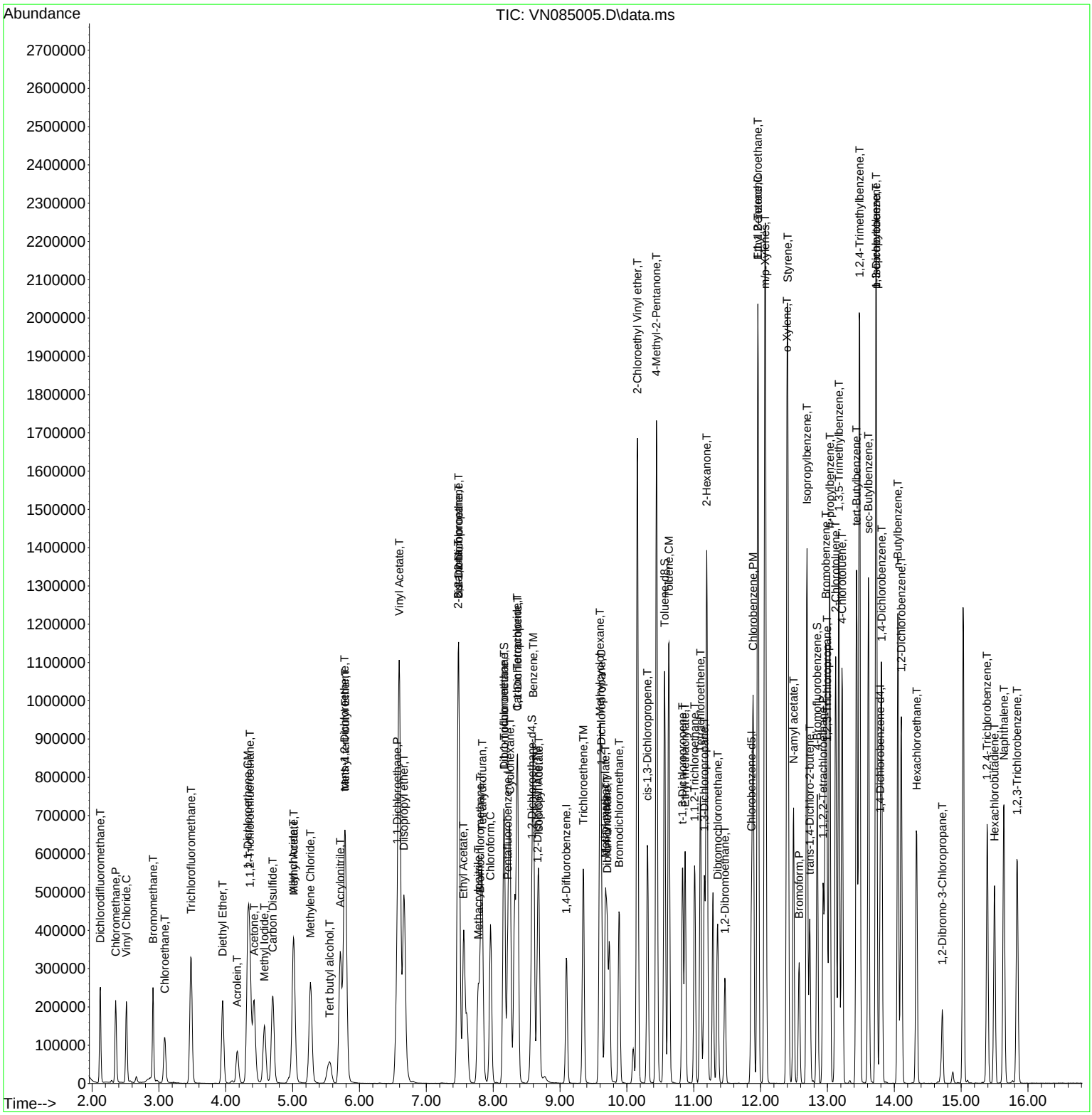
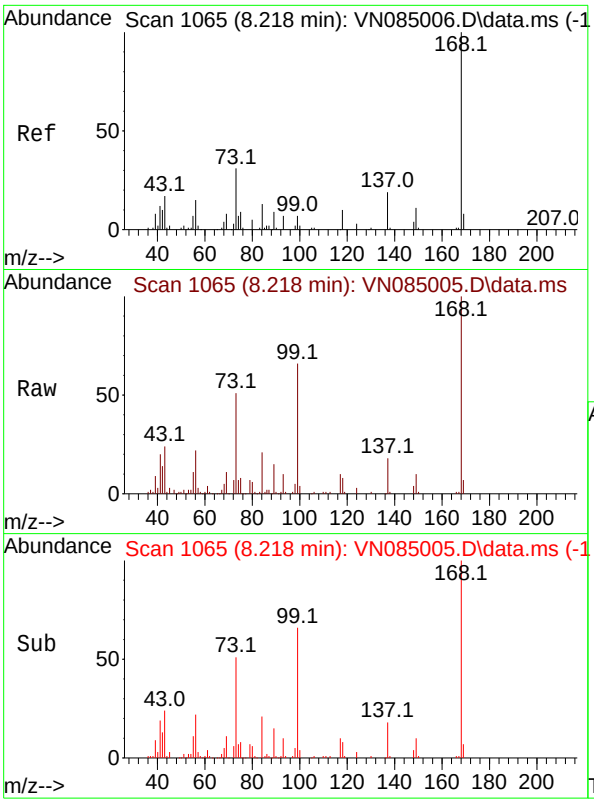
Quant Time: Nov 23 01:57:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration



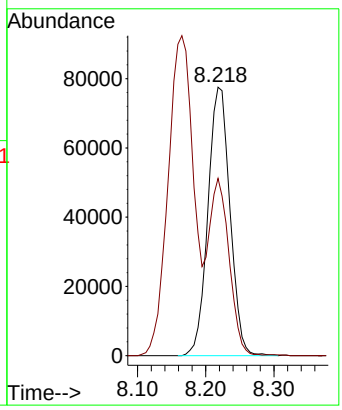


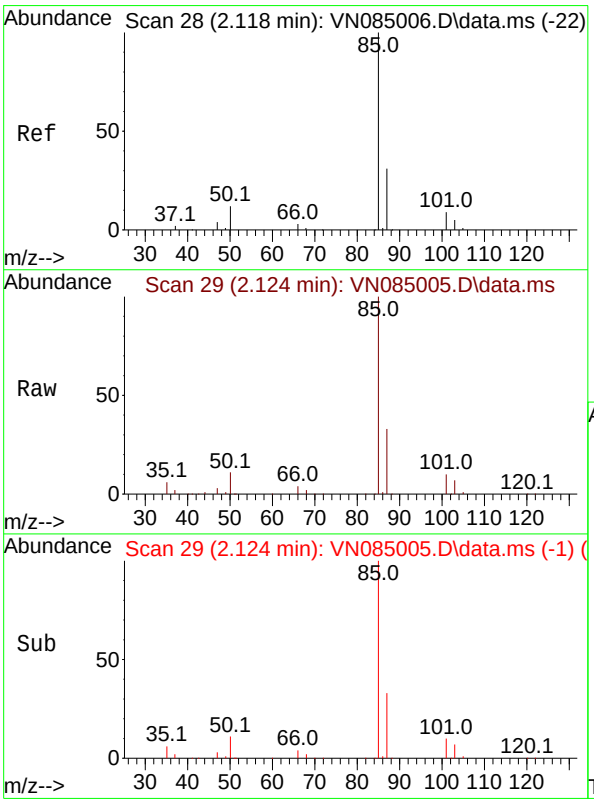
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 174548

Ion	Ratio	Lower	Upper
168	100		
99	65.7	51.2	76.8

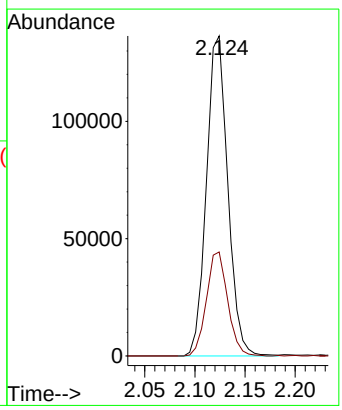


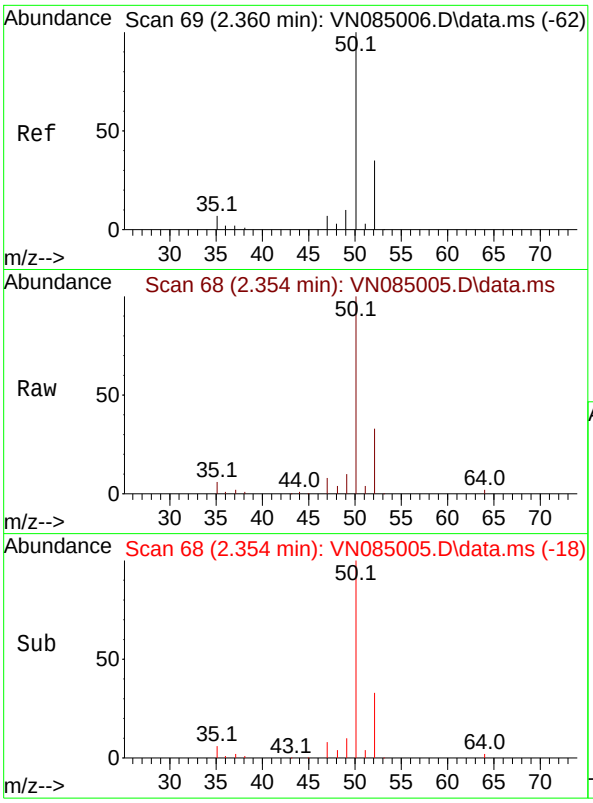


#2
Dichlorodifluoromethane
Concen: 102.473 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 85 Resp: 202252

Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.7	47.1



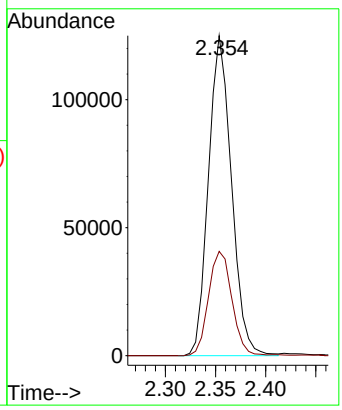


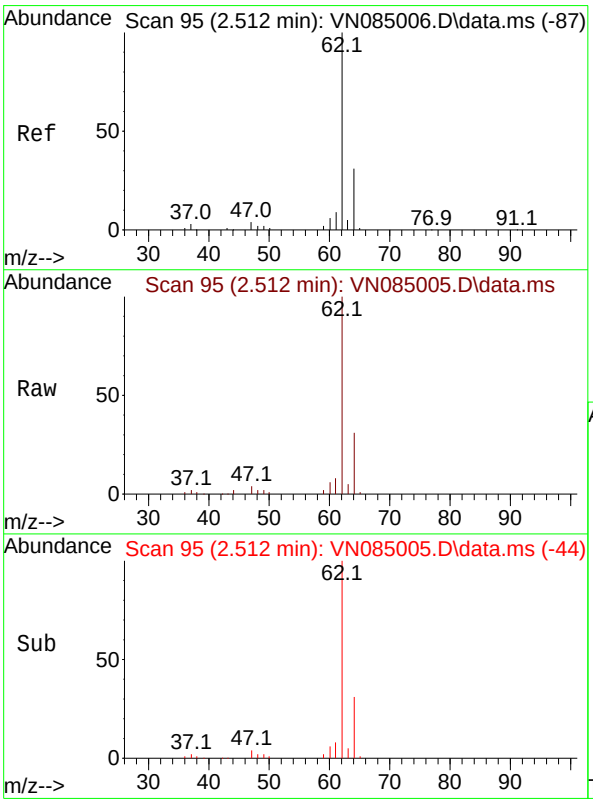
#3
Chloromethane
Concen: 87.235 ug/l
RT: 2.354 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 199697

Ion	Ratio	Lower	Upper
50	100		
52	32.6	27.8	41.8

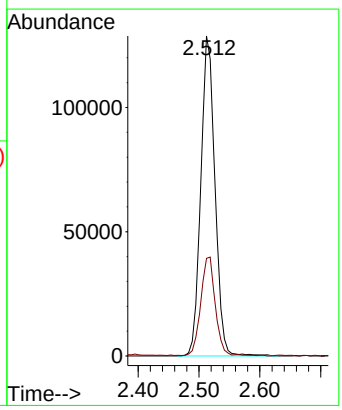


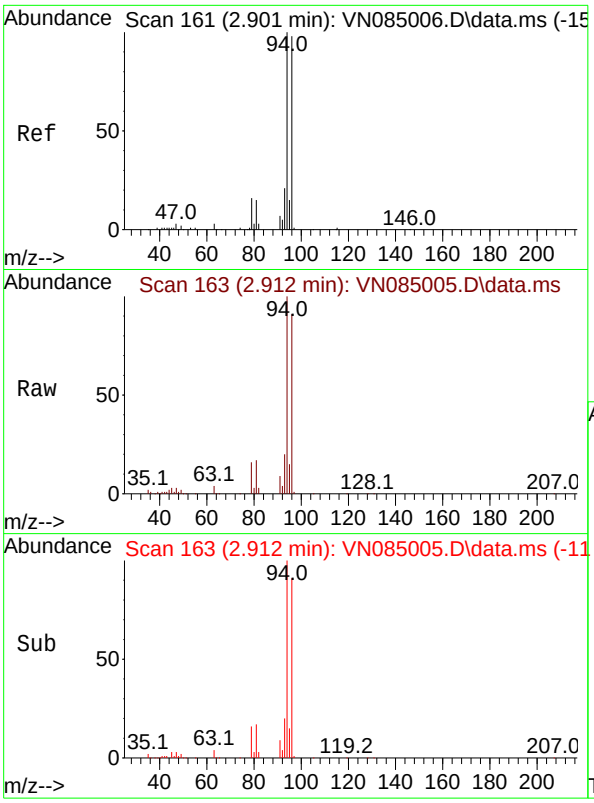


#4
Vinyl Chloride
Concen: 101.241 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 62 Resp: 208274

Ion	Ratio	Lower	Upper
62	100		
64	30.3	24.6	36.8



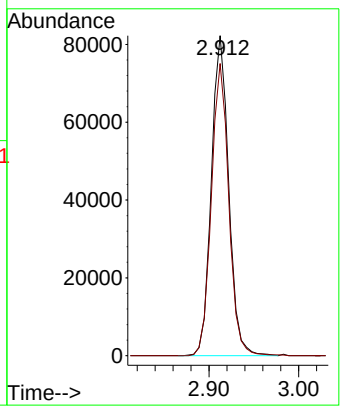


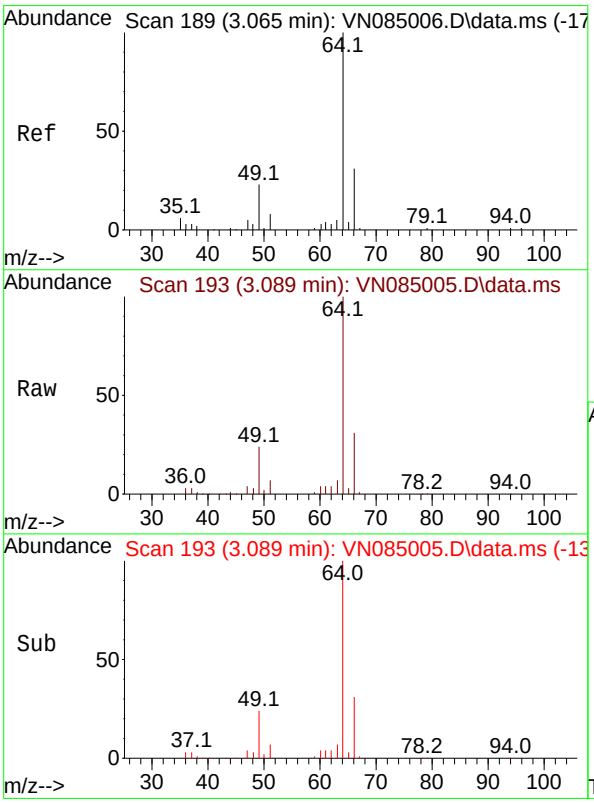
#5
Bromomethane
Concen: 95.681 ug/l
RT: 2.912 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 110325

Ion	Ratio	Lower	Upper
94	100		
96	91.3	78.7	118.1

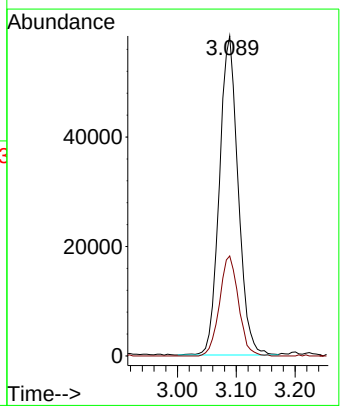


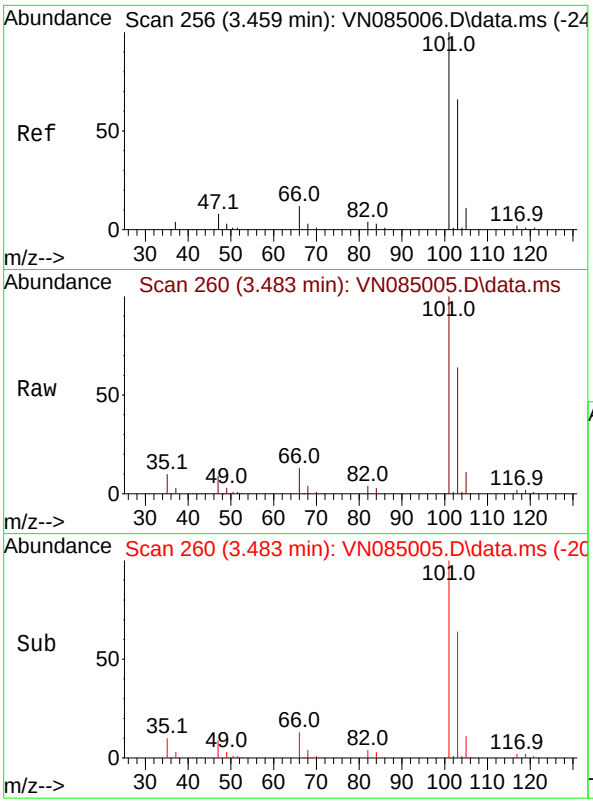


#6
Chloroethane
Concen: 93.064 ug/l
RT: 3.089 min Scan# 193
Delta R.T. 0.024 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 64 Resp: 129044

Ion	Ratio	Lower	Upper
64	100		
66	31.3	24.4	36.6



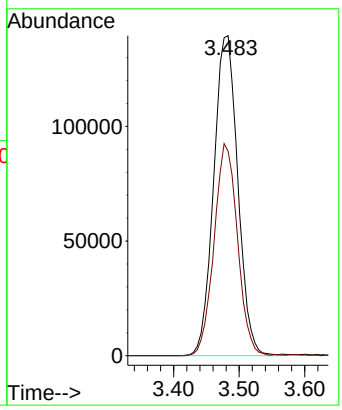


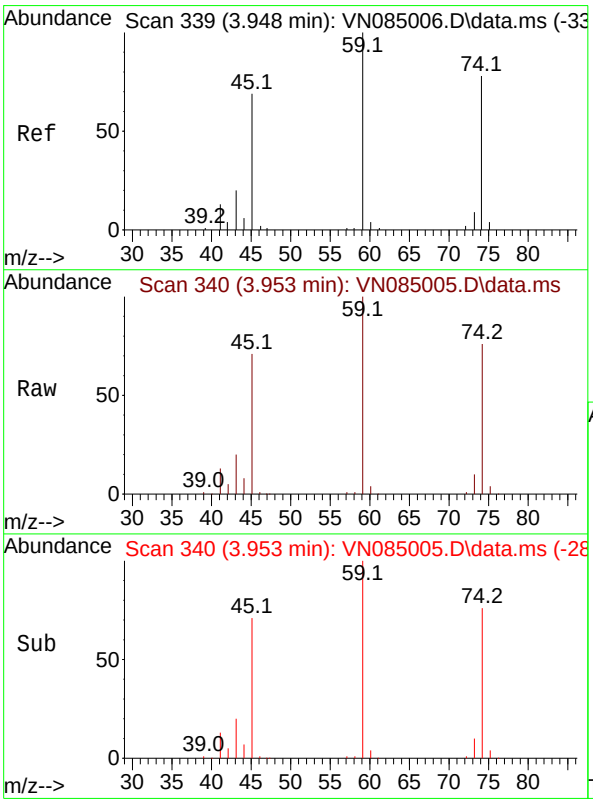
#7
Trichlorofluoromethane
Concen: 101.806 ug/l
RT: 3.483 min Scan# 2
Delta R.T. 0.024 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 356271

Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.6	78.8

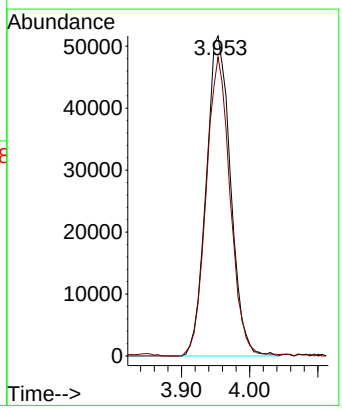


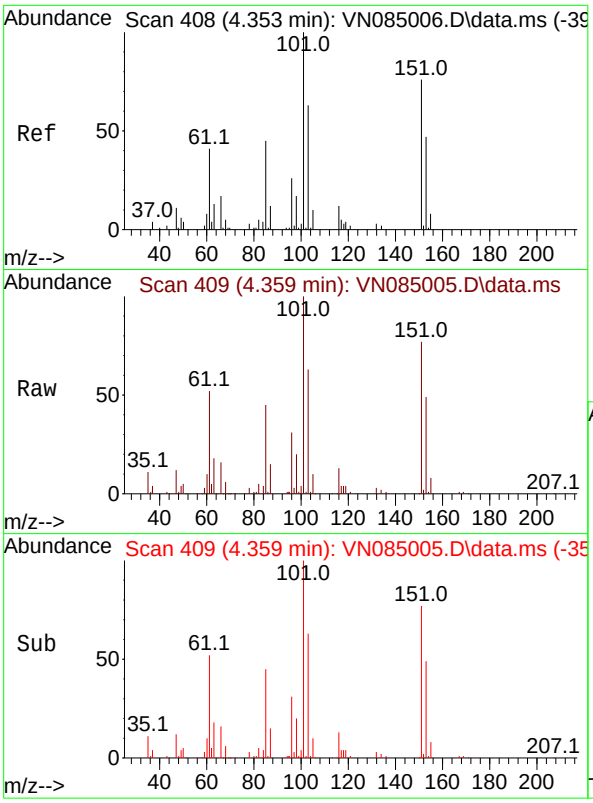


#8
Diethyl Ether
Concen: 107.697 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 74 Resp: 128277

Ion	Ratio	Lower	Upper
74	100		
45	91.9	46.7	140.1



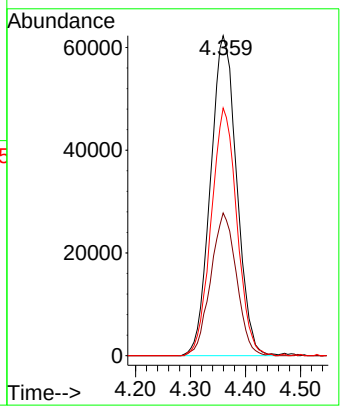


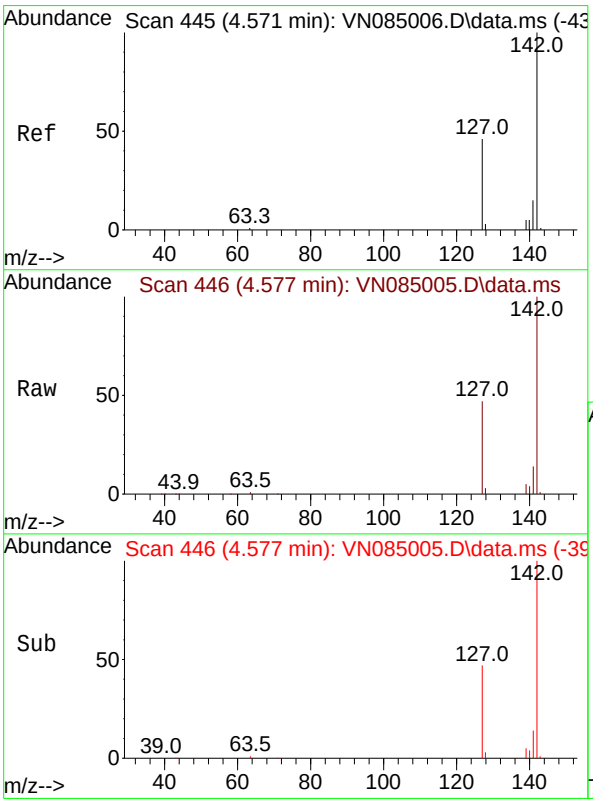
#9
1,1,2-Trichlorotrifluoroethane
Concen: 103.783 ug/l
RT: 4.359 min Scan# 4(
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 205989

Ion	Ratio	Lower	Upper
101	100		
85	44.0	36.9	55.3
151	75.9	60.8	91.2

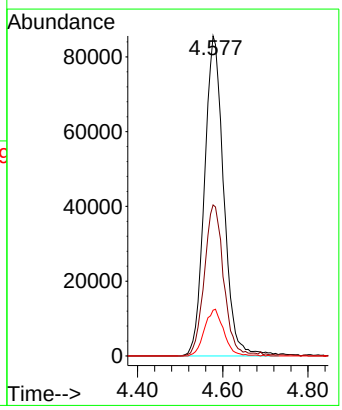


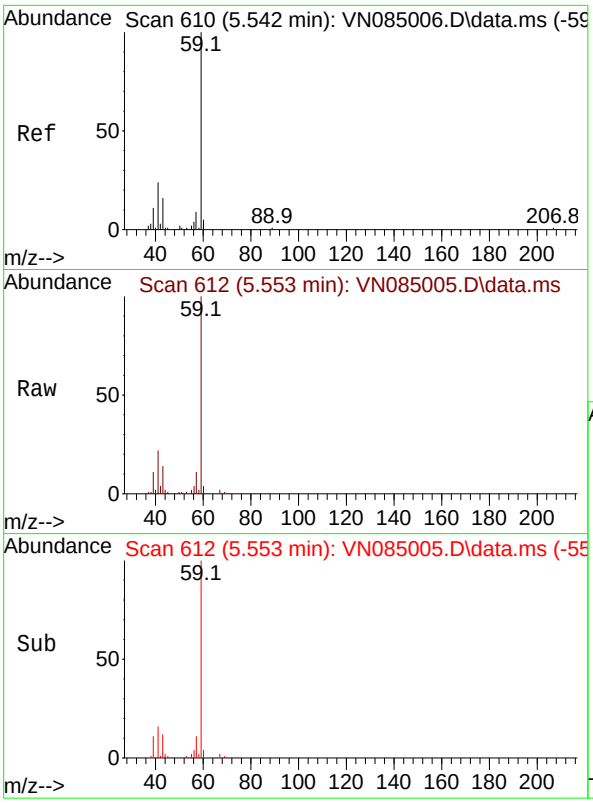


#10
Methyl Iodide
Concen: 102.212 ug/l
RT: 4.577 min Scan# 446
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:142 Resp: 268539

Ion	Ratio	Lower	Upper
142	100		
127	47.2	36.6	54.8
141	14.3	12.2	18.4



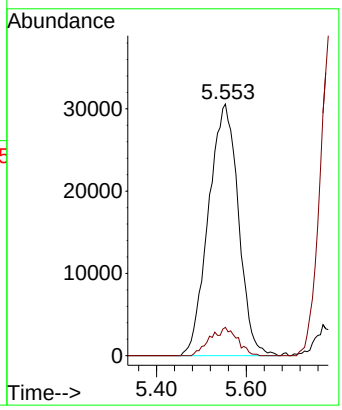


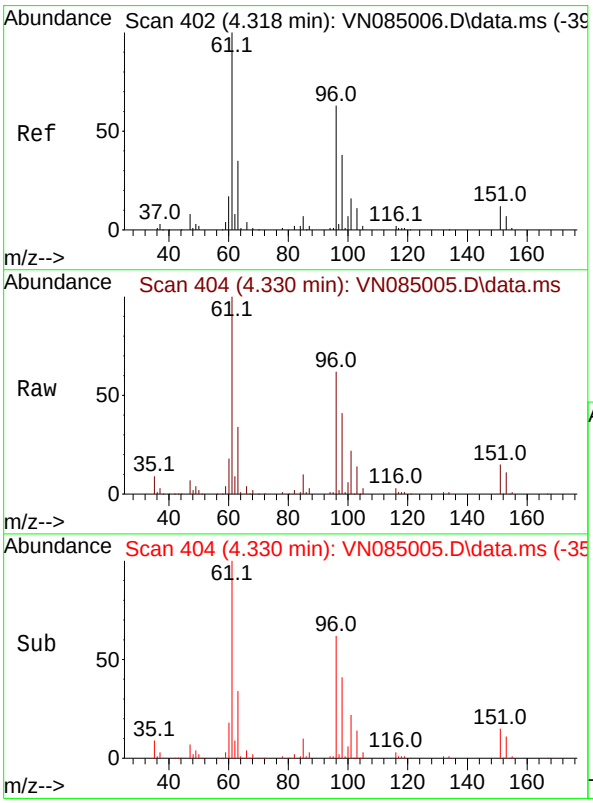
#11
Tert butyl alcohol
Concen: 427.348 ug/l
RT: 5.553 min Scan# 61
Delta R.T. 0.012 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 141986

Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.4	11.0

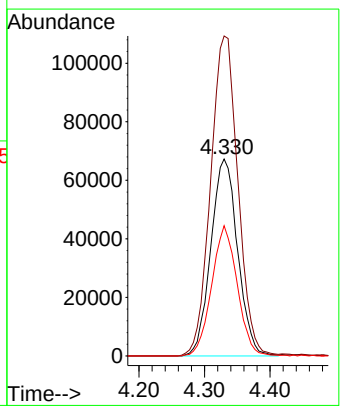


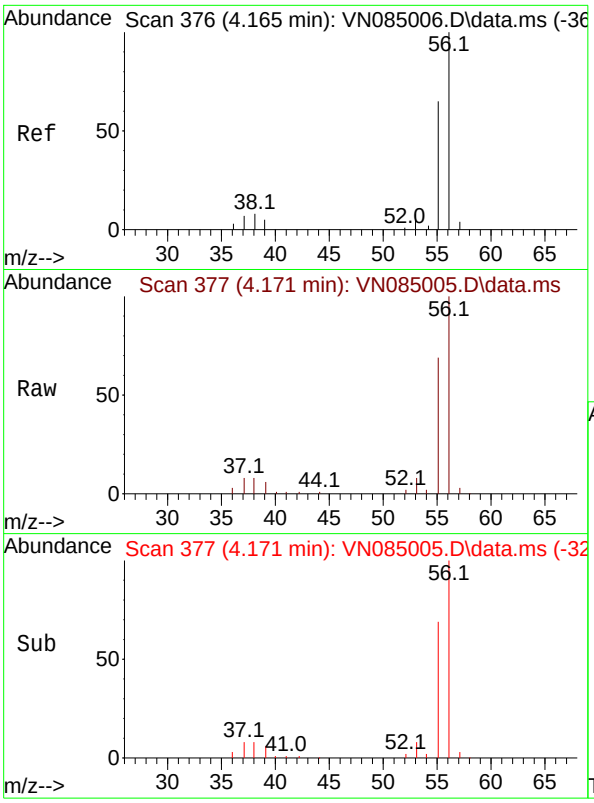


#12
1,1-Dichloroethene
Concen: 103.013 ug/l
RT: 4.330 min Scan# 404
Delta R.T. 0.012 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 96 Resp: 190847

Ion	Ratio	Lower	Upper
96	100		
61	162.4	127.8	191.8
98	66.1	49.2	73.8



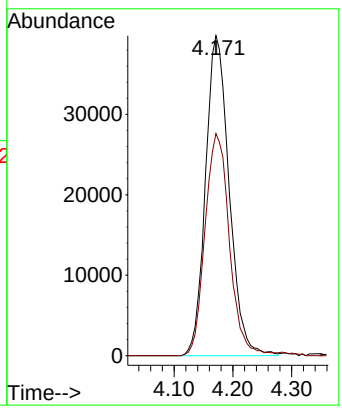


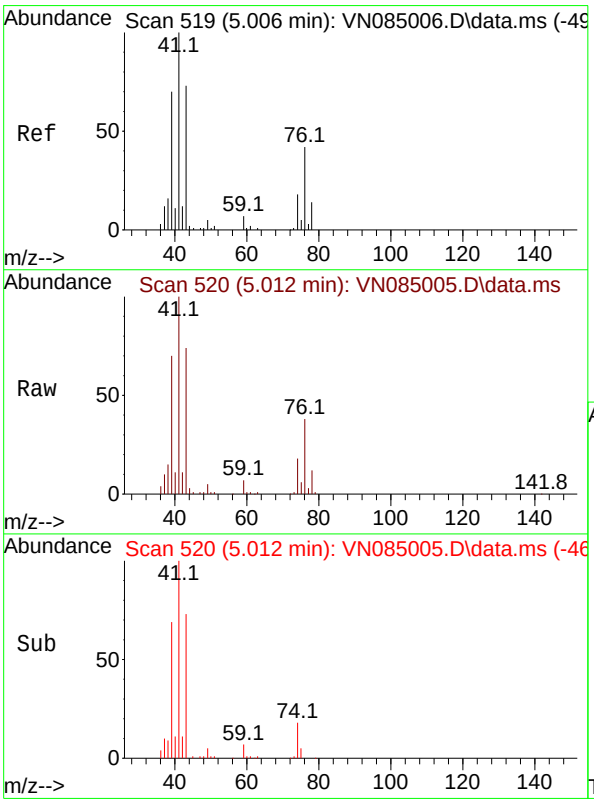
#13
Acrolein
Concen: 502.422 ug/l
RT: 4.171 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 111387

Ion	Ratio	Lower	Upper
56	100		
55	71.2	54.5	81.7

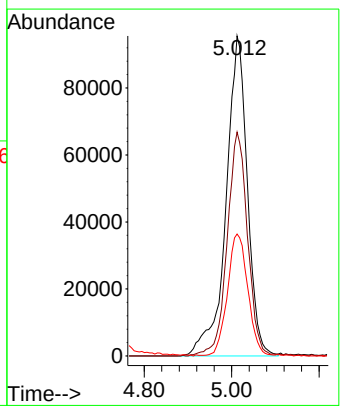


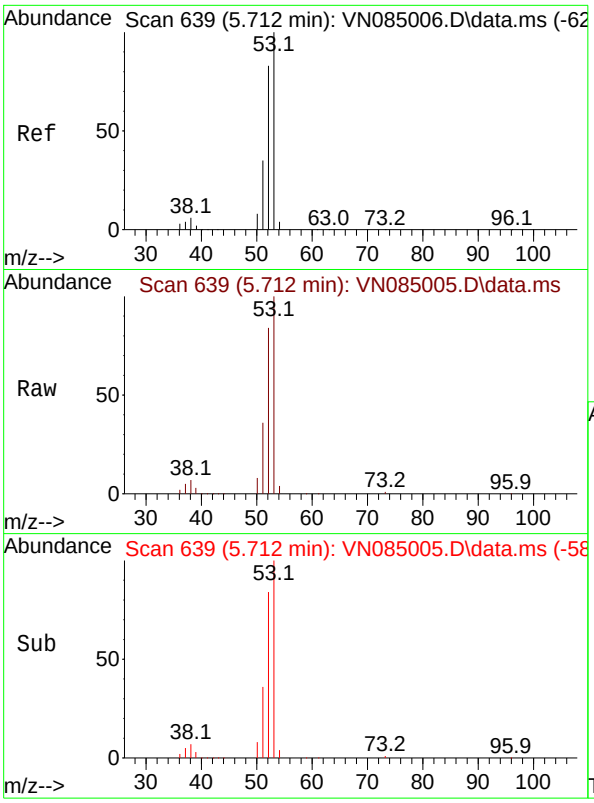


#14
Allyl chloride
Concen: 103.788 ug/l
RT: 5.012 min Scan# 520
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 41 Resp: 324148

Ion	Ratio	Lower	Upper
41	100		
39	66.7	53.8	80.8
76	35.8	29.3	43.9



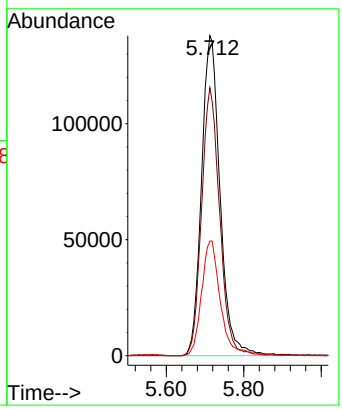


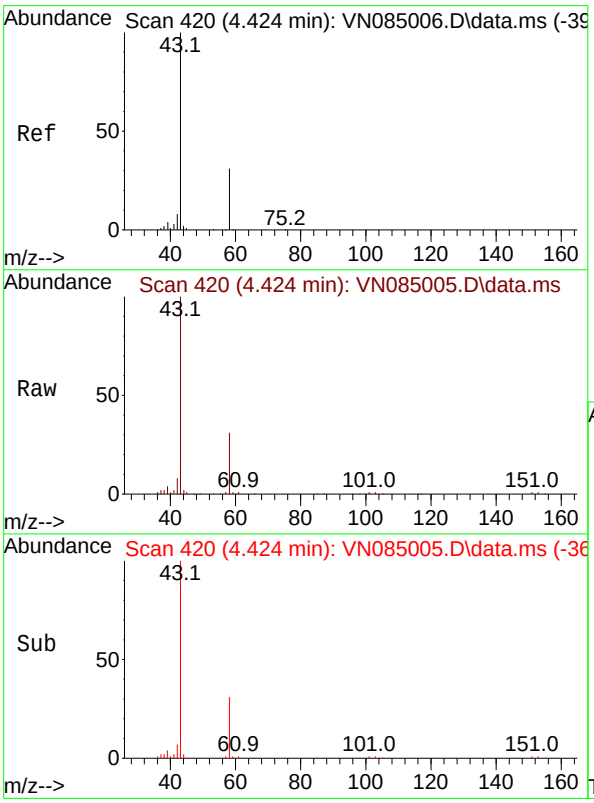
#15
Acrylonitrile
Concen: 485.851 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 457016

Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.5	98.3
51	36.3	28.4	42.6

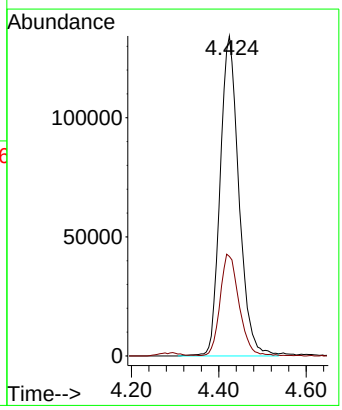


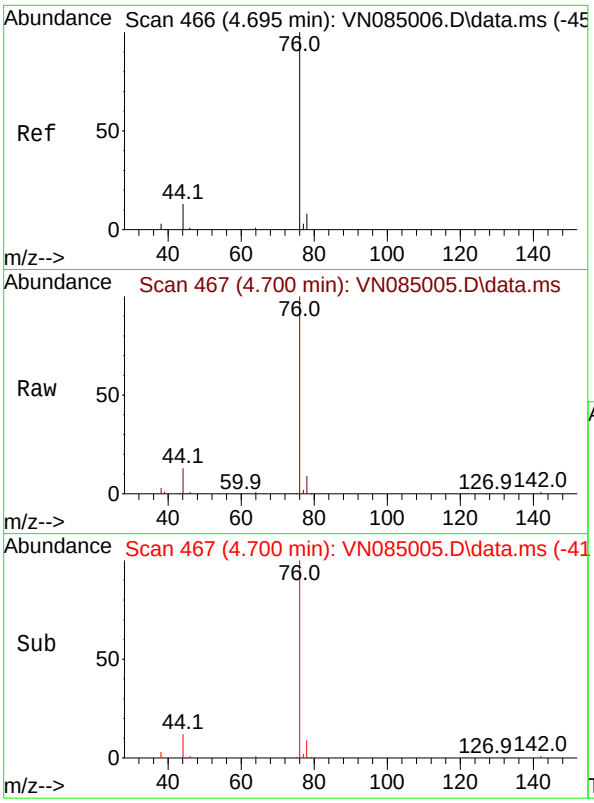


#16
Acetone
Concen: 551.165 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 399104

Ion	Ratio	Lower	Upper
43	100		
58	30.8	25.4	38.2



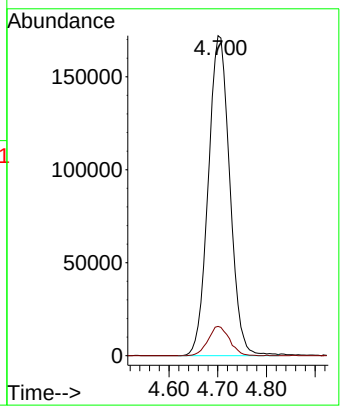


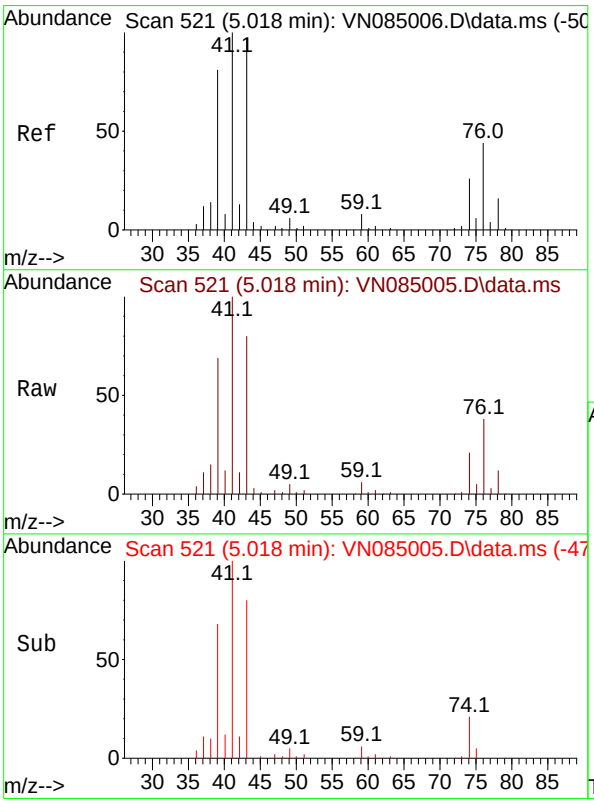
#17
Carbon Disulfide
Concen: 96.448 ug/l
RT: 4.700 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 527408

Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.5	9.7

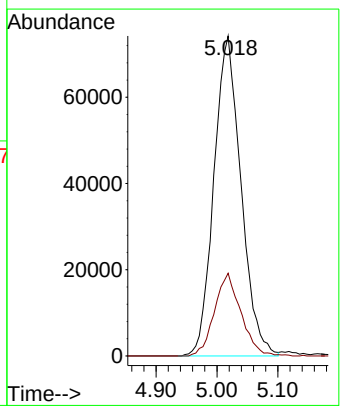


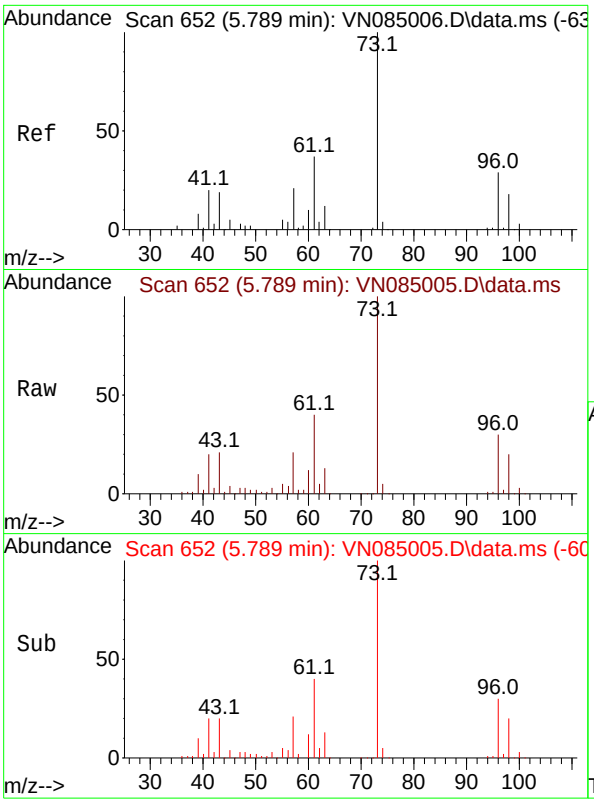


#18
Methyl Acetate
Concen: 100.214 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 229272

Ion	Ratio	Lower	Upper
43	100		
74	25.2	20.1	30.1



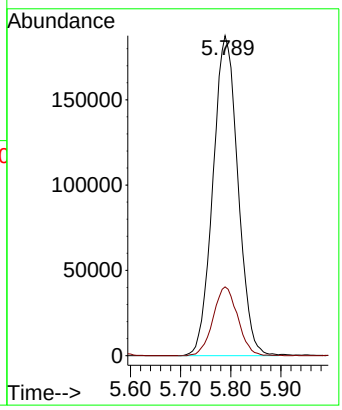


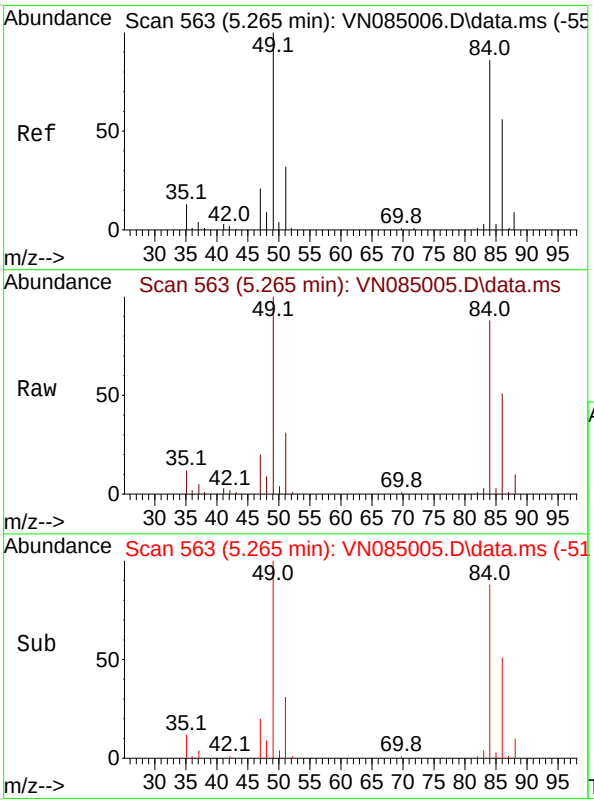
#19
Methyl tert-butyl Ether
Concen: 107.267 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 649308

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.0	25.4

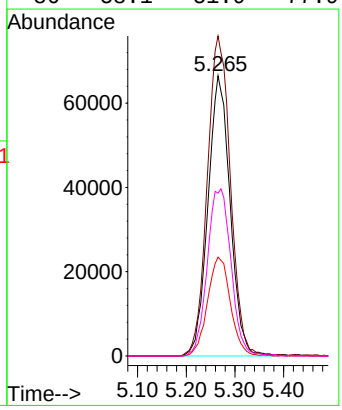


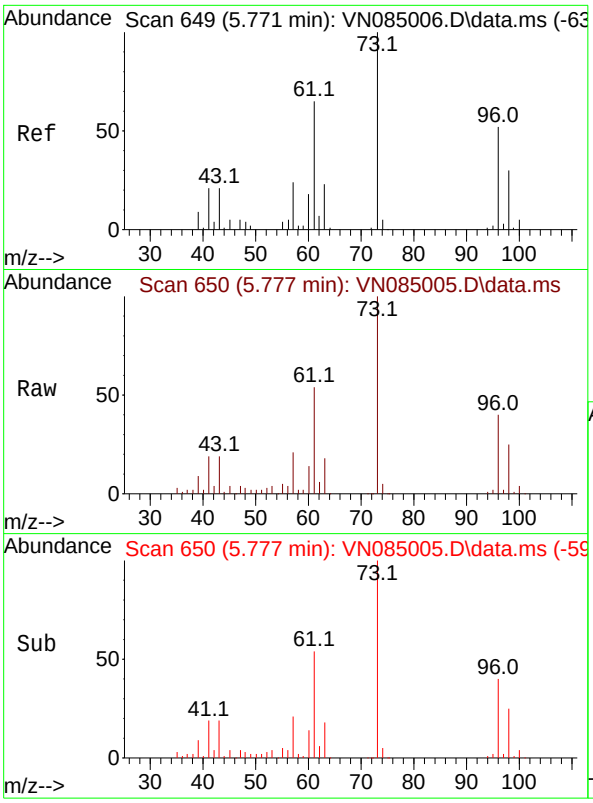


#20
Methylene Chloride
Concen: 95.251 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 84 Resp: 210468

Ion	Ratio	Lower	Upper
84	100		
49	114.2	92.7	139.1
51	35.3	29.4	44.2
86	58.1	51.9	77.9



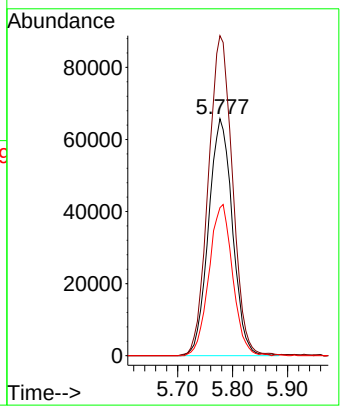


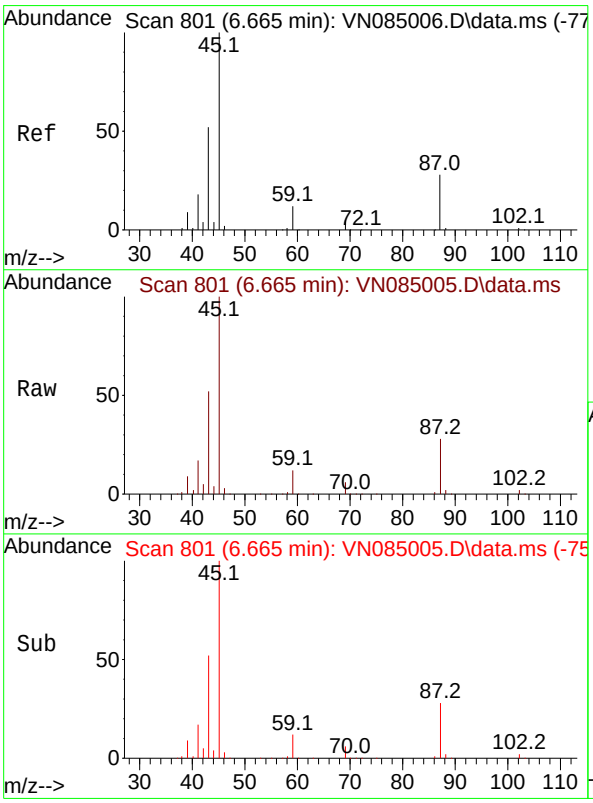
#21
trans-1,2-Dichloroethene
Concen: 102.076 ug/l
RT: 5.777 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 199008

Ion	Ratio	Lower	Upper
96	100		
61	135.1	100.7	151.1
98	62.5	45.8	68.6

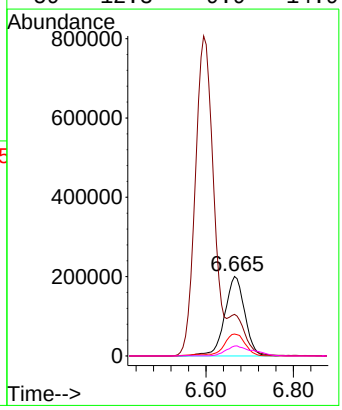


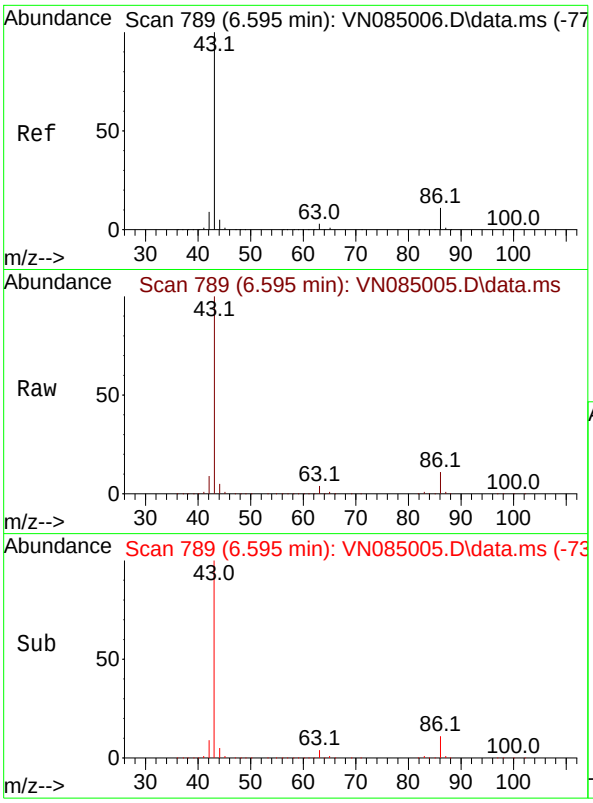


#22
Diisopropyl ether
Concen: 100.923 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 45 Resp: 634389

Ion	Ratio	Lower	Upper
45	100		
43	51.5	42.7	64.1
87	27.3	22.6	34.0
59	12.3	9.9	14.9



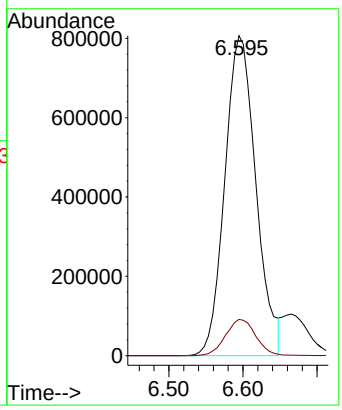


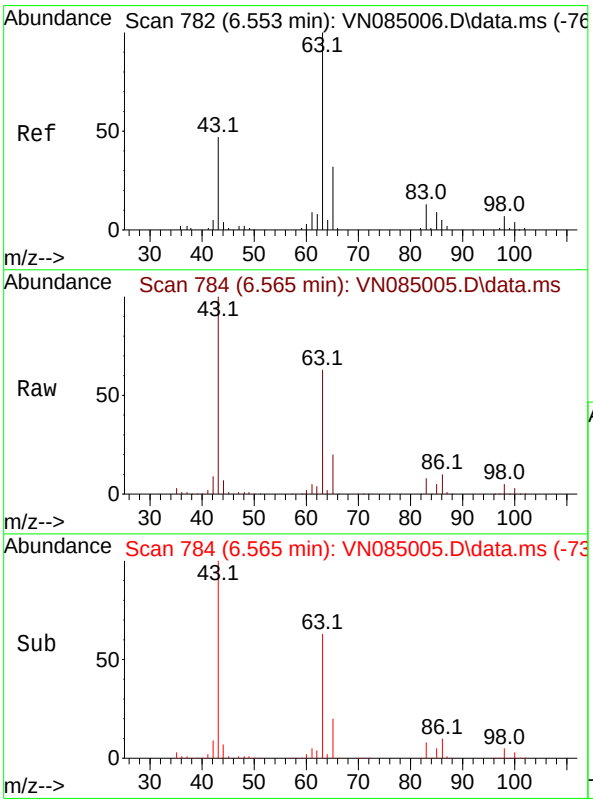
#23
Vinyl Acetate
Concen: 541.815 ug/l
RT: 6.595 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2349580

Ion	Ratio	Lower	Upper
43	100		
86	11.3	8.9	13.3

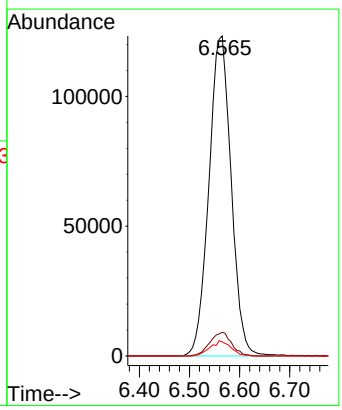


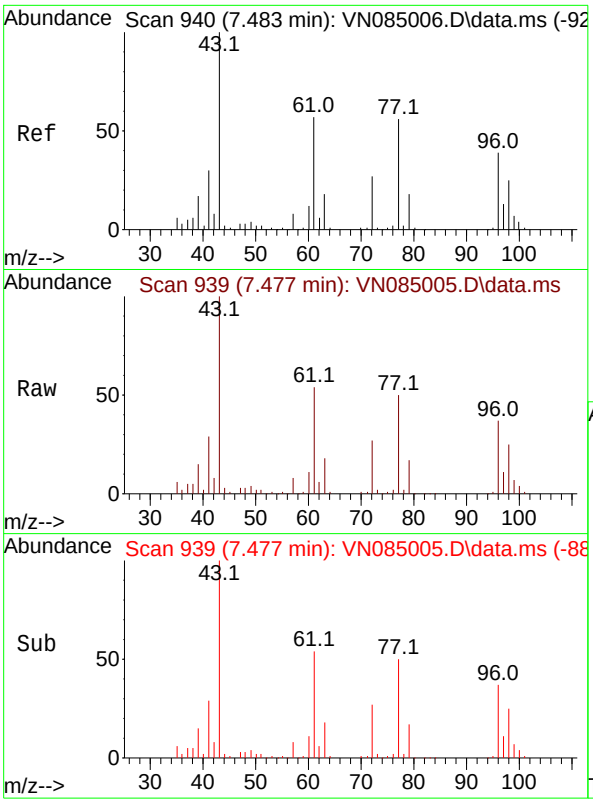


#24
1,1-Dichloroethane
Concen: 101.270 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.012 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 63 Resp: 380941

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.3	9.8
100	4.4	2.2	6.6



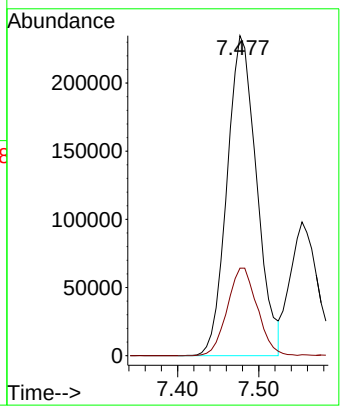


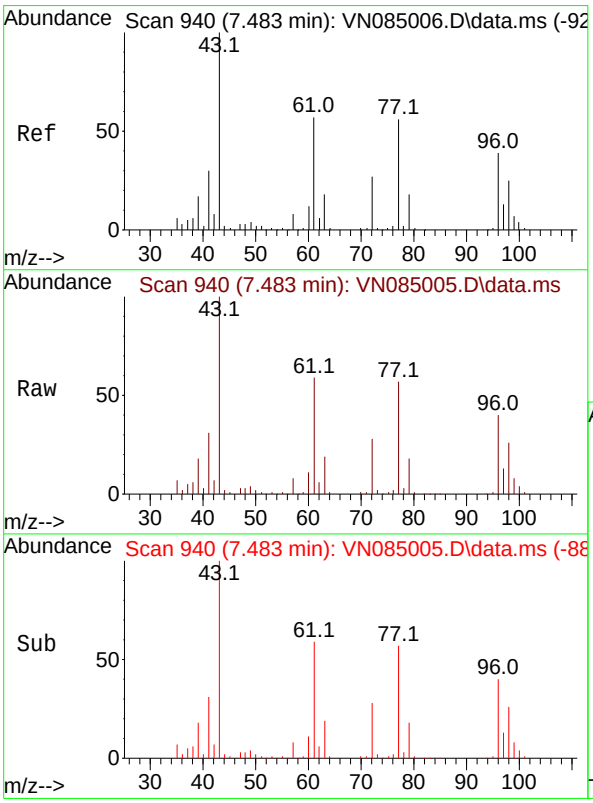
#25
2-Butanone
Concen: 503.469 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 596036

Ion	Ratio	Lower	Upper
43	100		
72	27.3	21.4	32.0

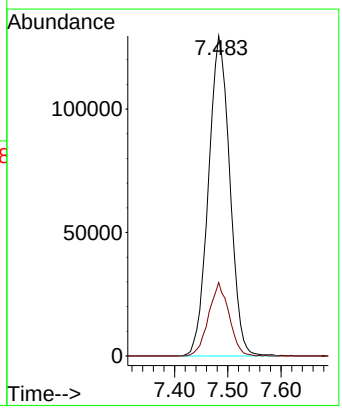


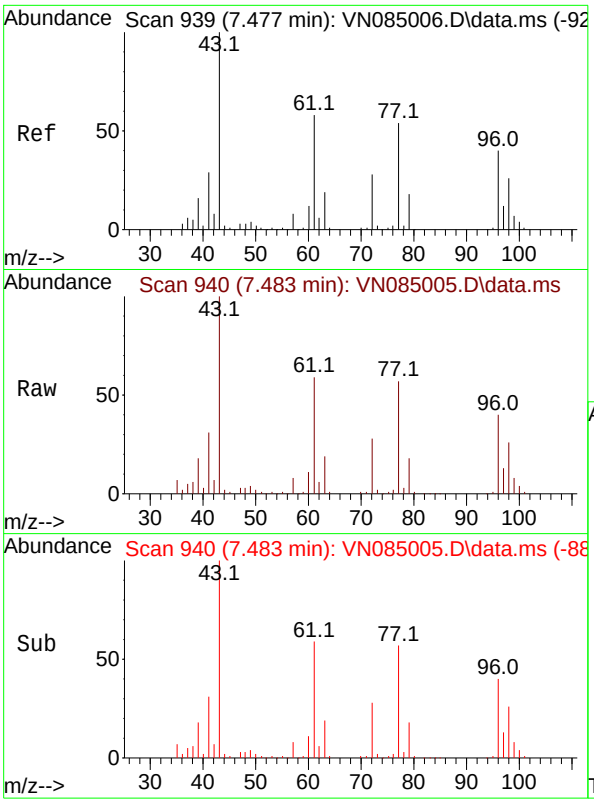


#26
2,2-Dichloropropane
Concen: 102.775 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 77 Resp: 360997

Ion	Ratio	Lower	Upper
77	100		
97	21.9	10.9	32.7



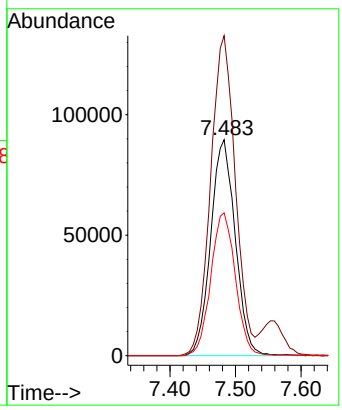


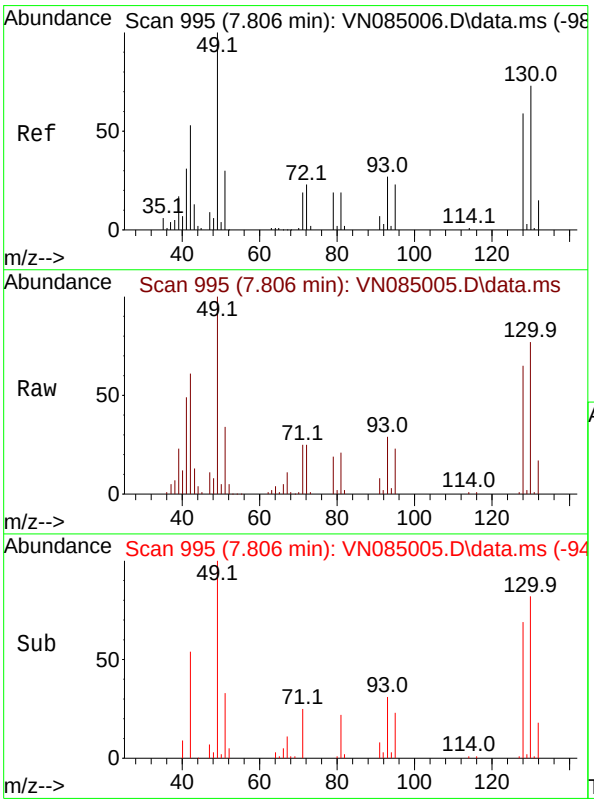
#27
cis-1,2-Dichloroethene
Concen: 99.132 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 232992

Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	291.6
98	66.3	0.0	129.8

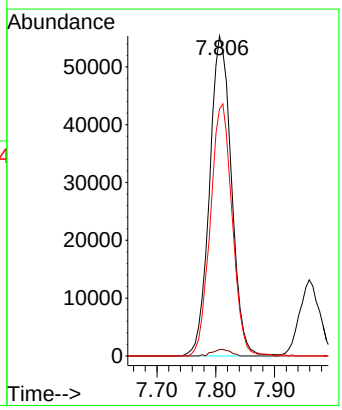


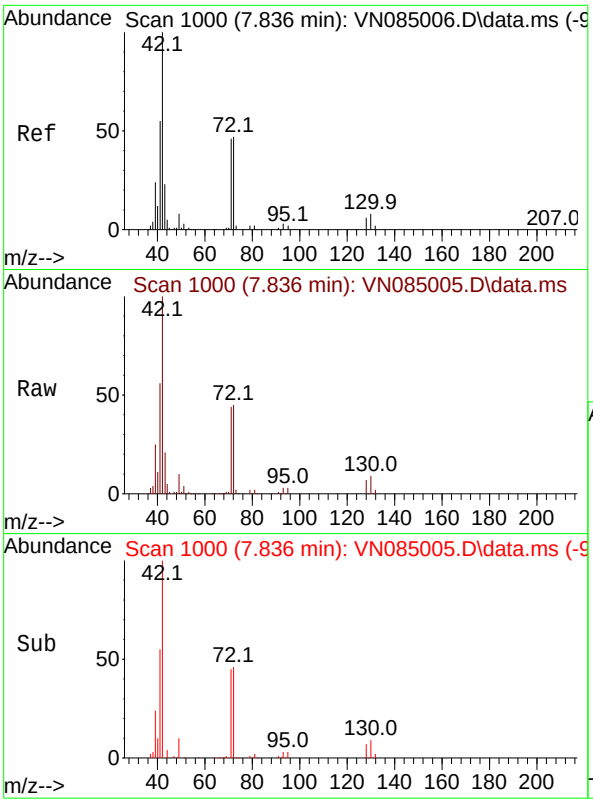


#28
Bromochloromethane
Concen: 100.575 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 49 Resp: 142811

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.0
130	78.7	60.6	90.8



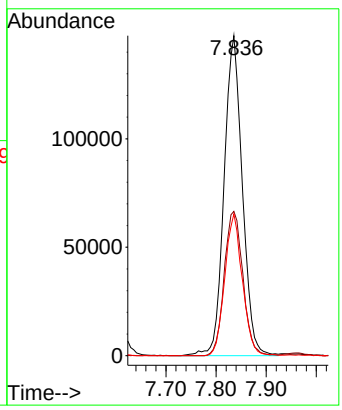


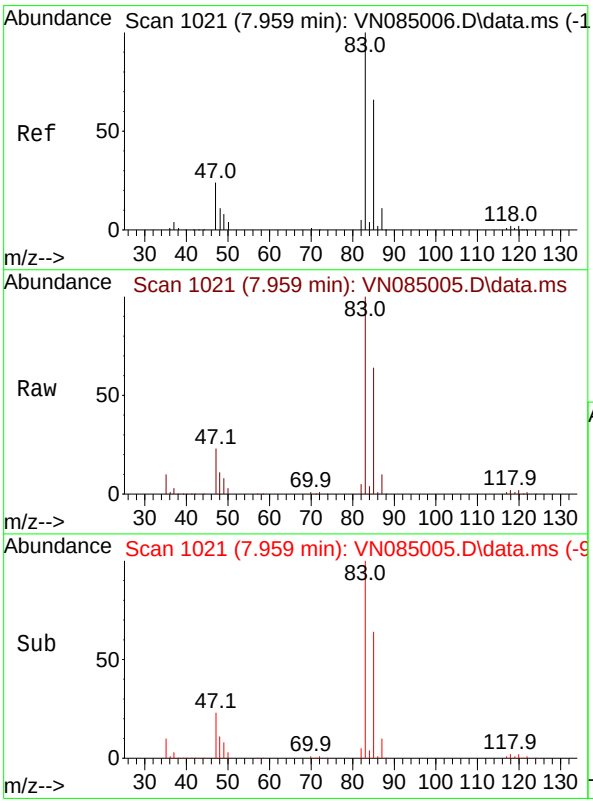
#29
Tetrahydrofuran
Concen: 507.558 ug/l
RT: 7.836 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 373666

Ion	Ratio	Lower	Upper
42	100		
72	46.1	37.0	55.4
71	42.7	35.0	52.4

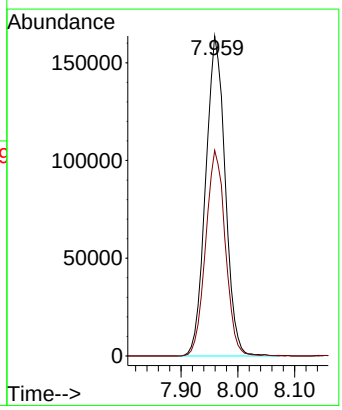


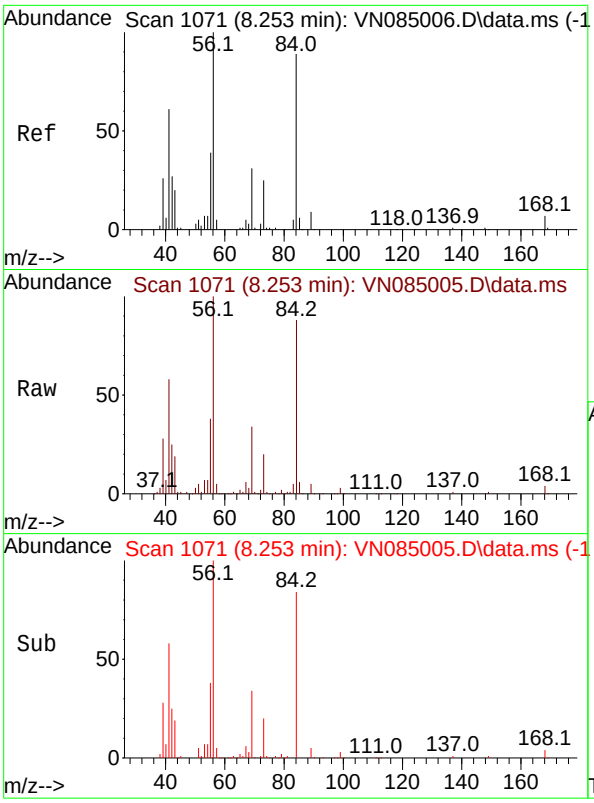


#30
Chloroform
Concen: 97.513 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 83 Resp: 390189

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.6	78.8



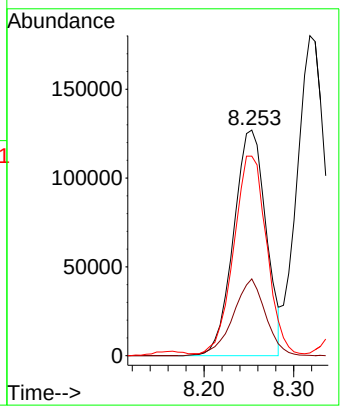


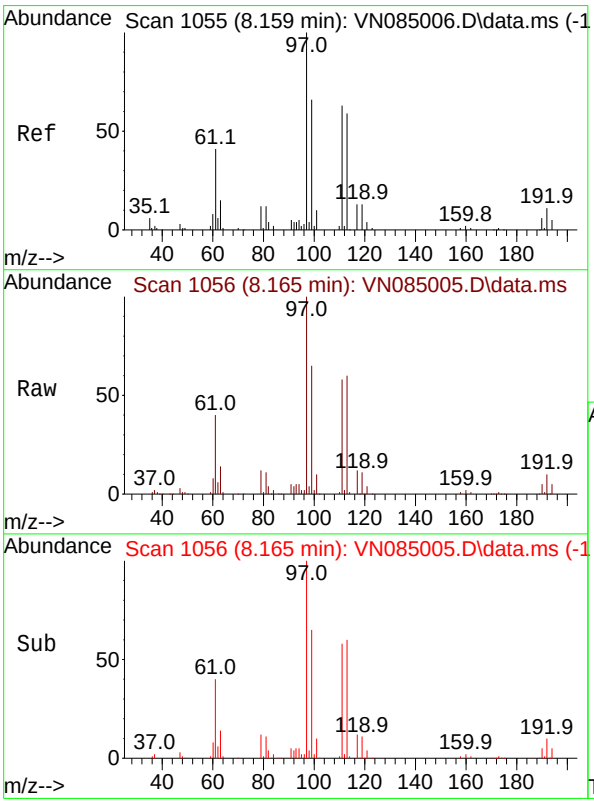
#31
Cyclohexane
Concen: 96.305 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 318957

Ion	Ratio	Lower	Upper
56	100		
69	34.1	24.6	36.8
84	86.8	71.4	107.2

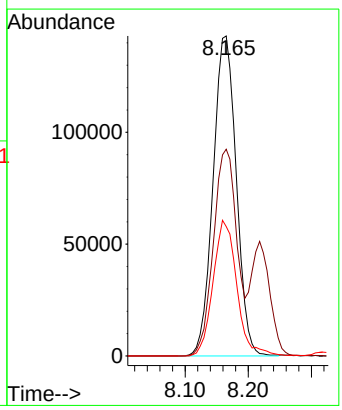


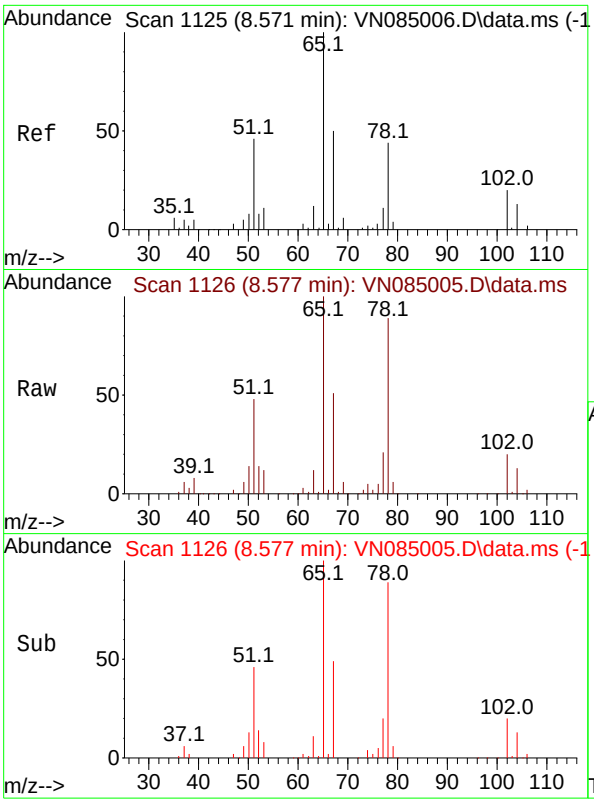


#32
1,1,1-Trichloroethane
Concen: 101.081 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 97 Resp: 365495

Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.0	76.4
61	43.4	36.2	54.2



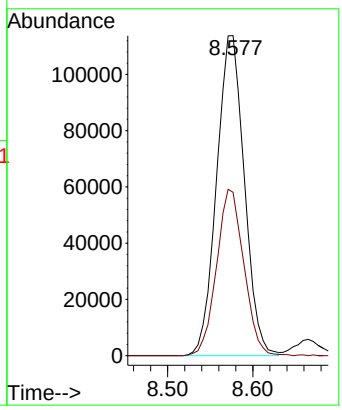


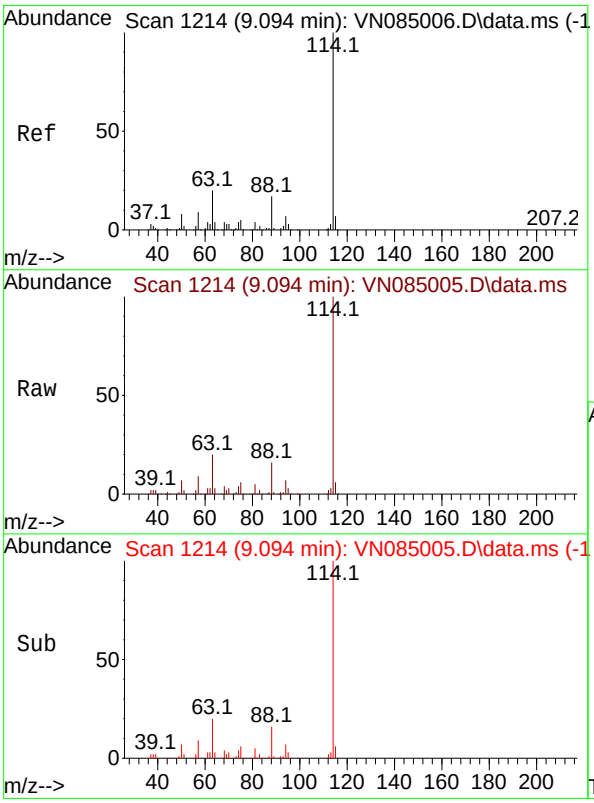
#33
1,2-Dichloroethane-d4
Concen: 103.553 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 257466

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	105.0

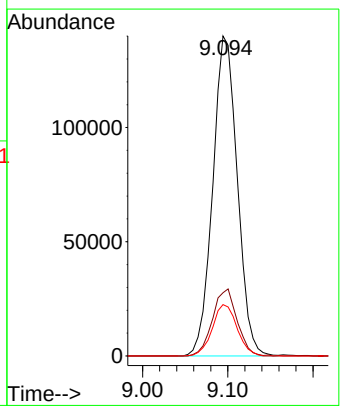


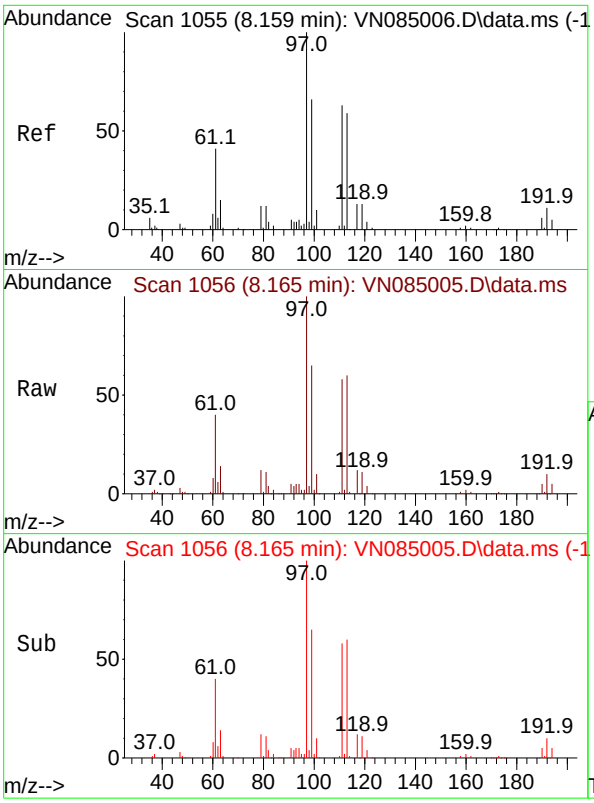


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:114 Resp: 280535

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	41.0
88	16.1	0.0	34.8



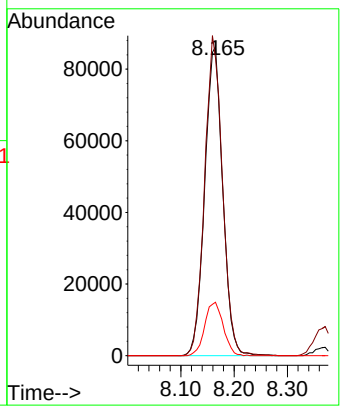


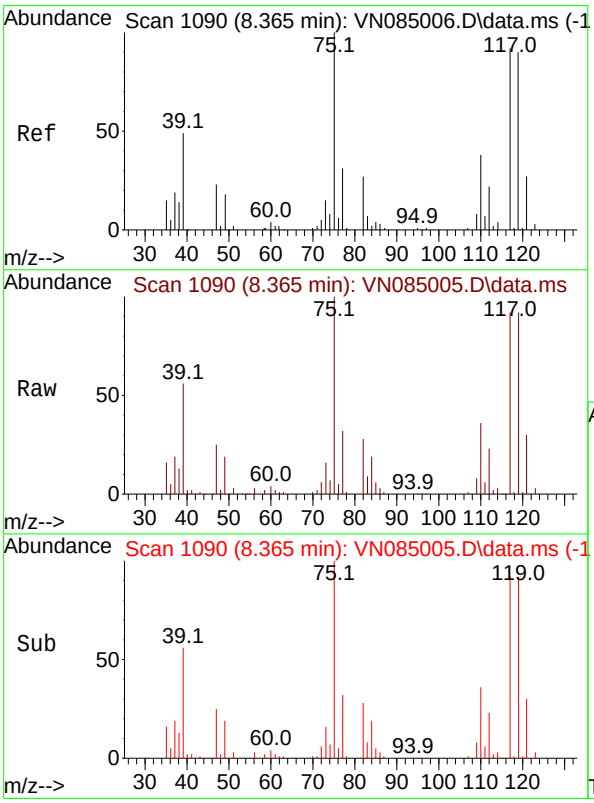
#35
Dibromofluoromethane
Concen: 107.183 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 202772

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.0	123.0
192	17.7	14.8	22.2

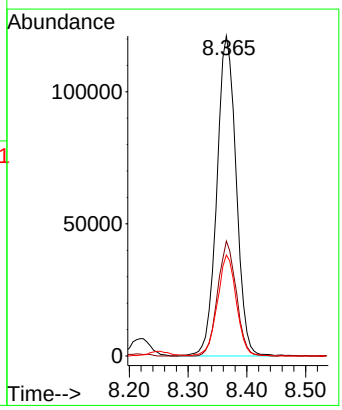


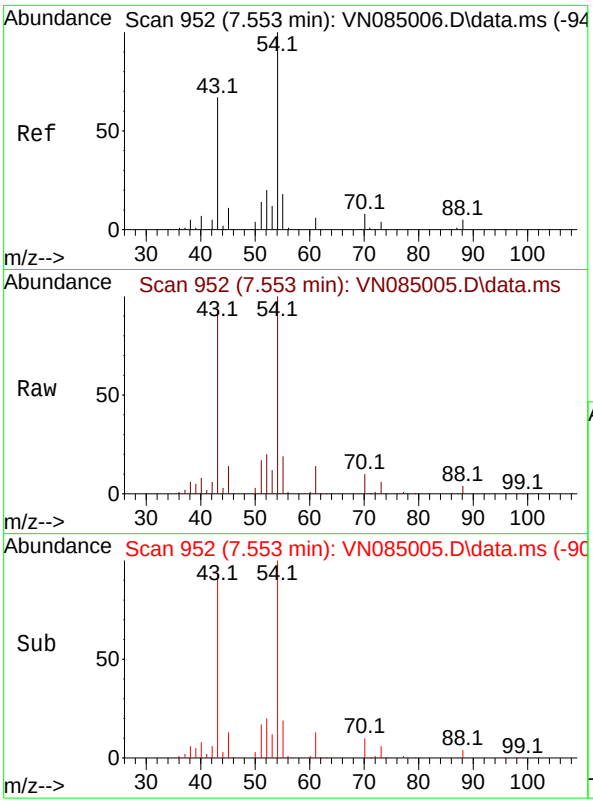


#36
1,1-Dichloropropene
Concen: 107.966 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 276659

Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.2	51.6
77	31.0	24.2	36.4



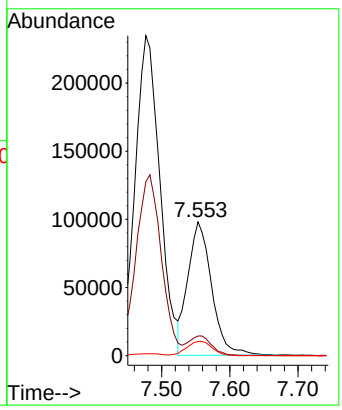


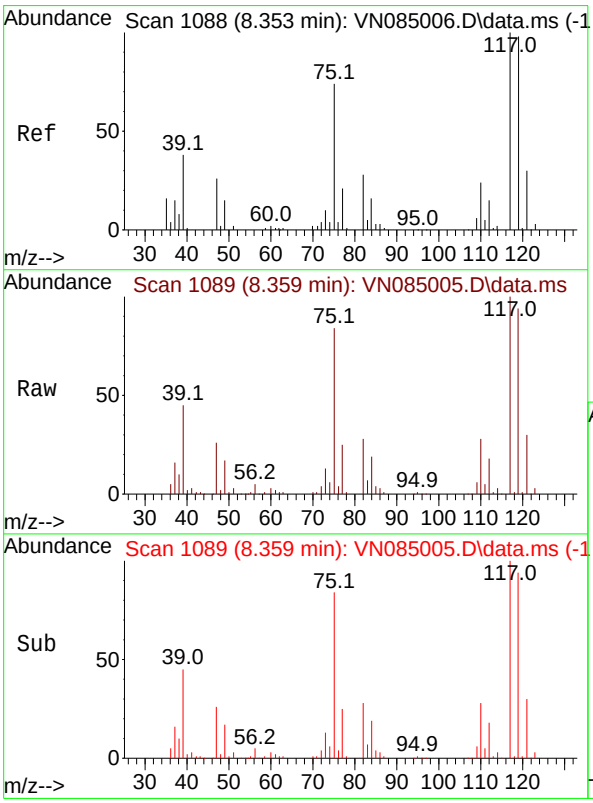
#37
Ethyl Acetate
Concen: 101.478 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 236399

Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.7	17.5
70	11.6	9.3	13.9

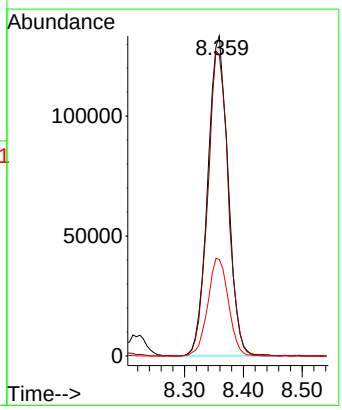


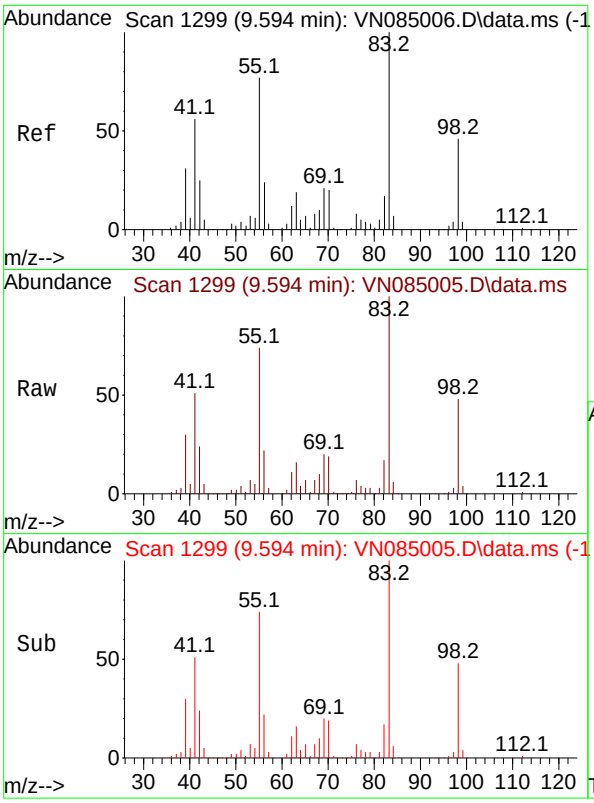


#38
Carbon Tetrachloride
Concen: 108.554 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:117 Resp: 321086

Ion	Ratio	Lower	Upper
117	100		
119	94.1	78.6	117.8
121	30.1	24.2	36.2



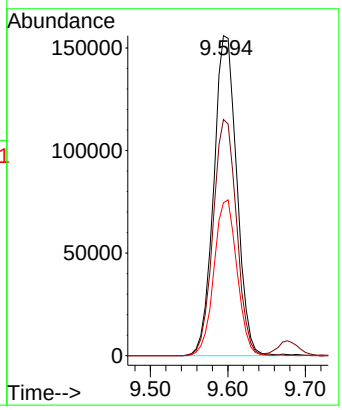


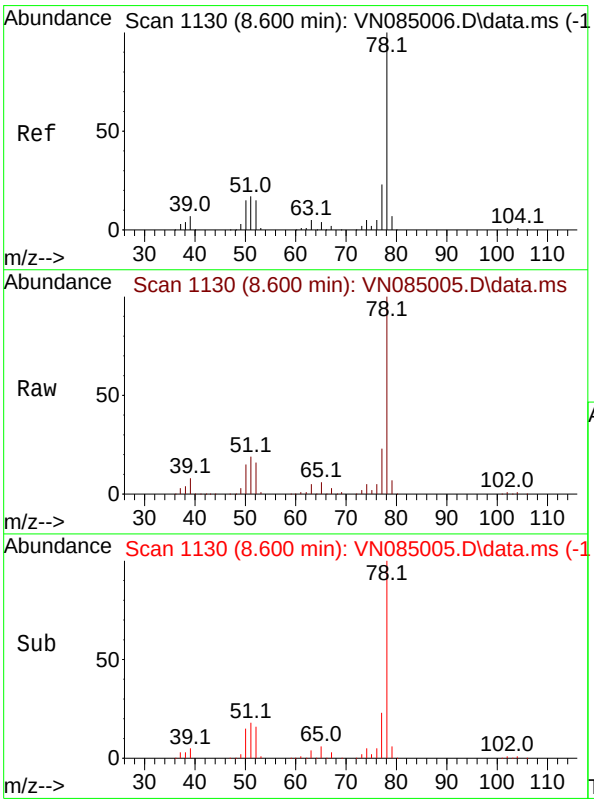
#39
Methylcyclohexane
Concen: 120.983 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 322151

Ion	Ratio	Lower	Upper
83	100		
55	73.8	61.8	92.6
98	47.8	37.0	55.6

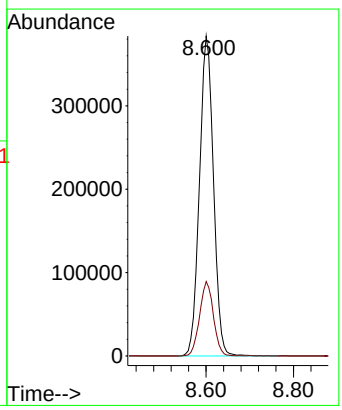


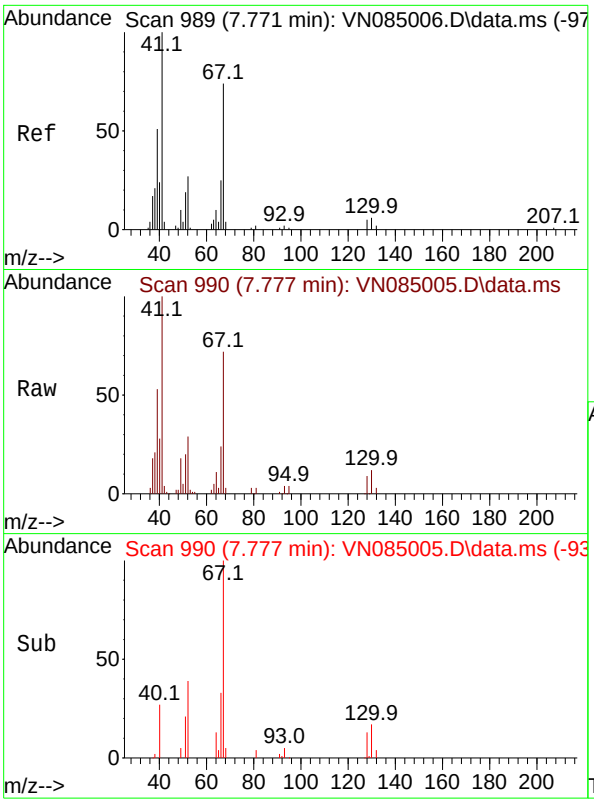


#40
Benzene
Concen: 105.783 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 78 Resp: 857333

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.5	27.7



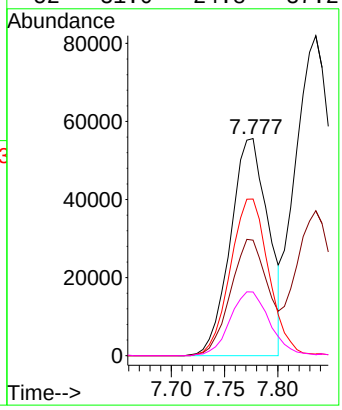


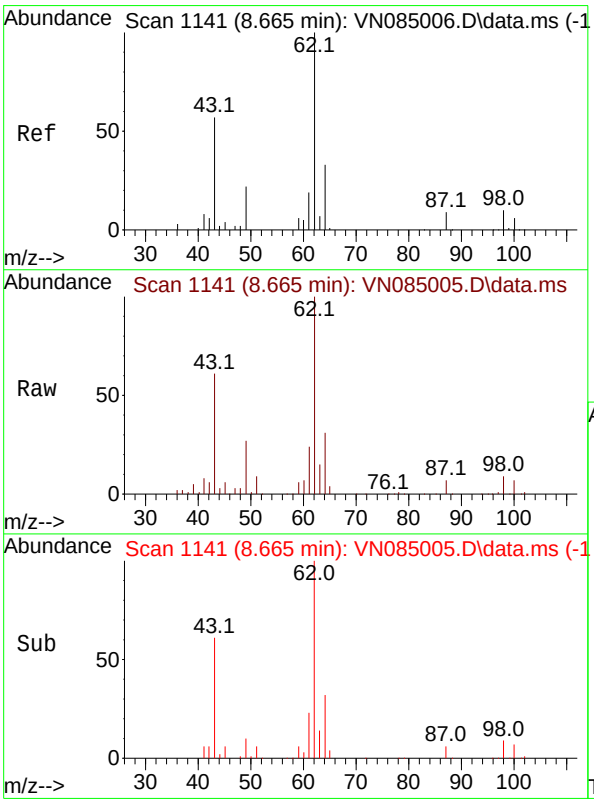
#41
Methacrylonitrile
Concen: 107.026 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 138044

Ion	Ratio	Lower	Upper
41	100		
39	52.8	42.6	63.8
67	73.5	59.9	89.9
52	31.0	24.8	37.2

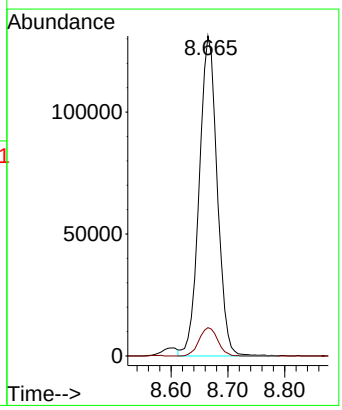


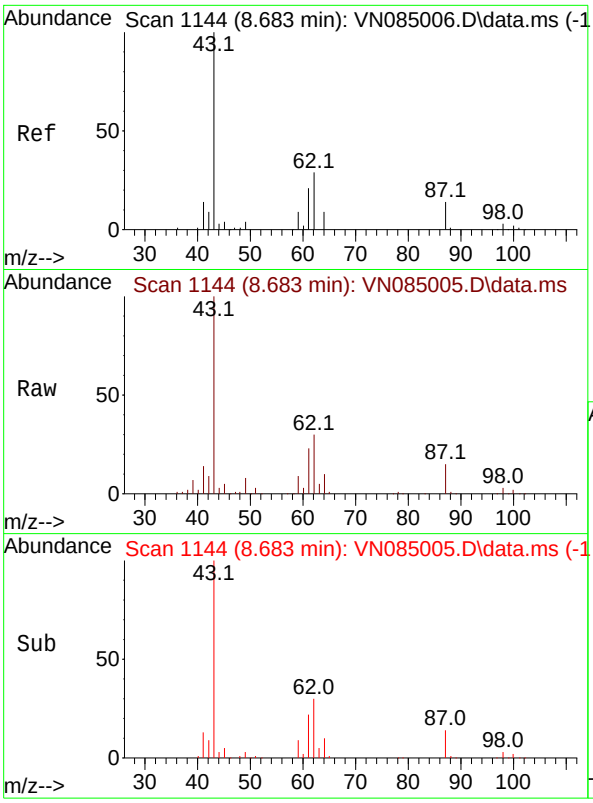


#42
1,2-Dichloroethane
Concen: 103.986 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 62 Resp: 288320

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2



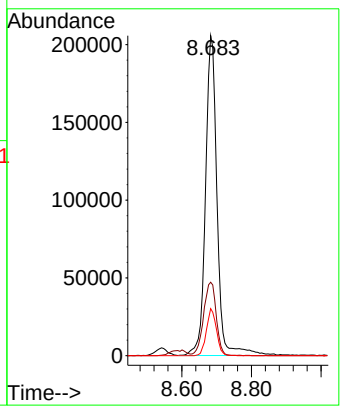


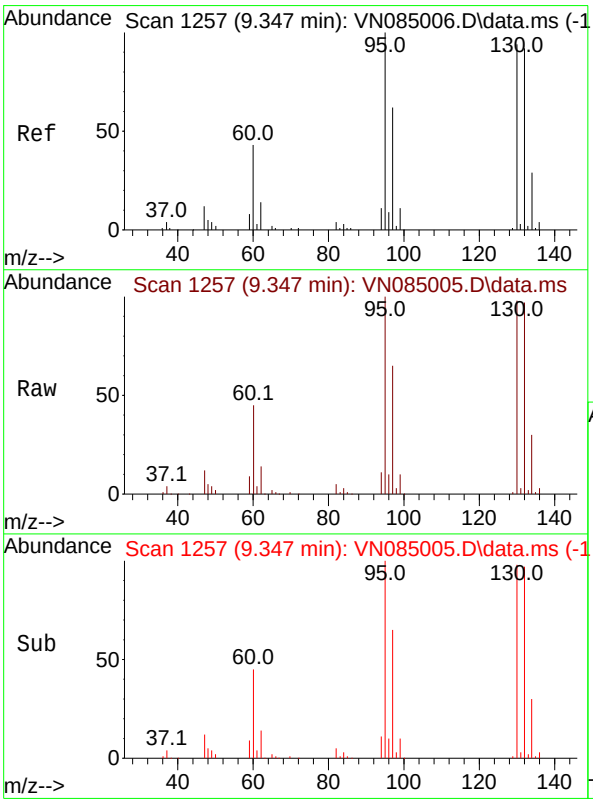
#43
Isopropyl Acetate
Concen: 97.891 ug/l
RT: 8.683 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 473683

Ion	Ratio	Lower	Upper
43	100		
61	24.9	20.6	30.8
87	12.7	11.0	16.4

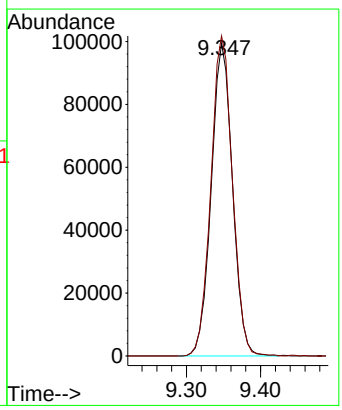


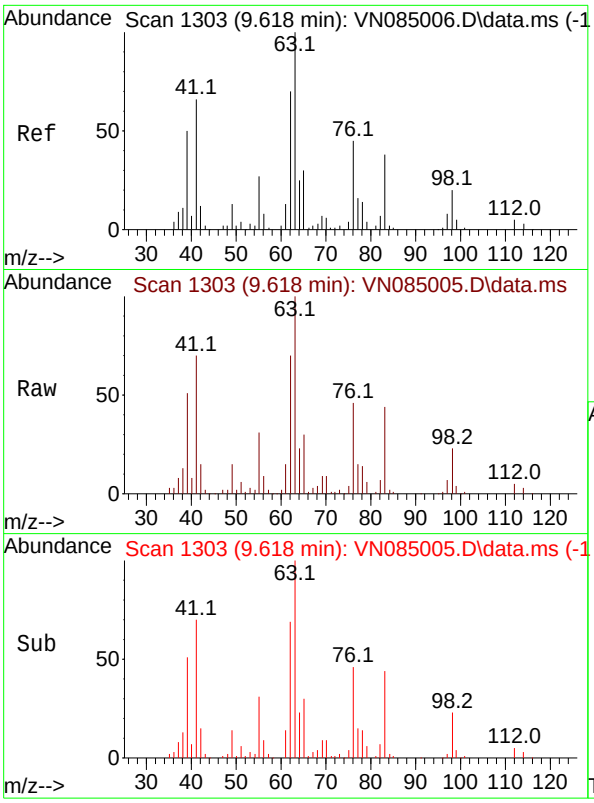


#44
Trichloroethene
Concen: 104.851 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:130 Resp: 197483

Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	213.4



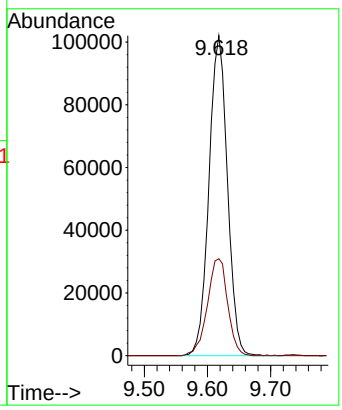


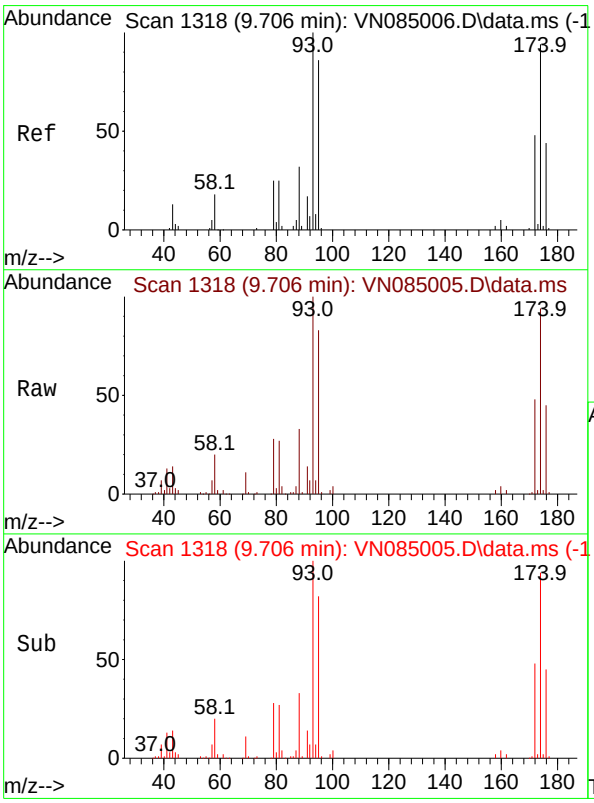
#45
1,2-Dichloropropane
Concen: 103.586 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 206776

Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.0	36.0

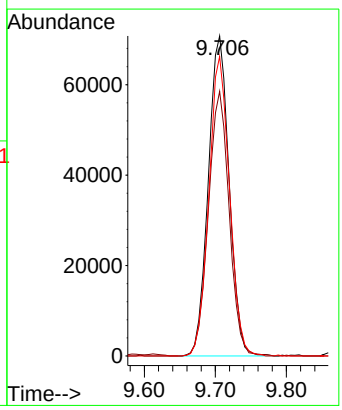


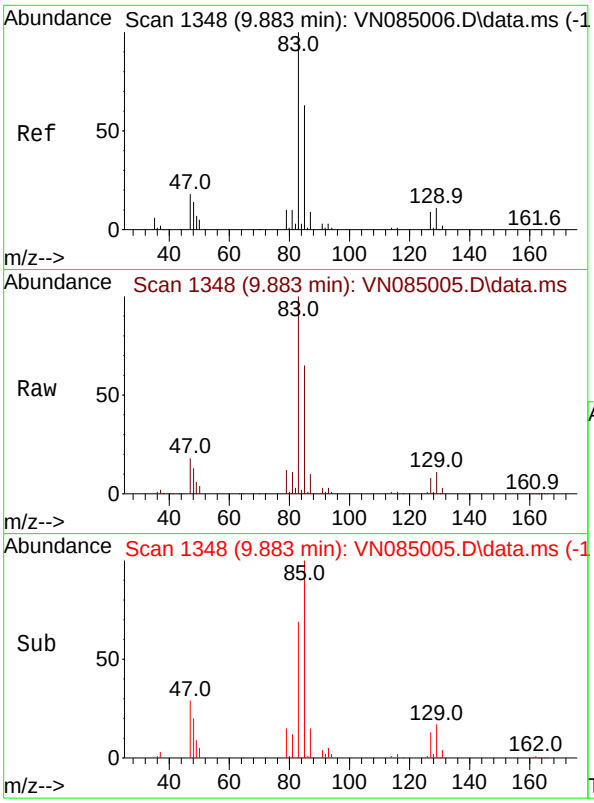


#46
Dibromomethane
Concen: 103.900 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 93 Resp: 144116

Ion	Ratio	Lower	Upper
93	100		
95	82.3	66.2	99.4
174	92.8	74.9	112.3



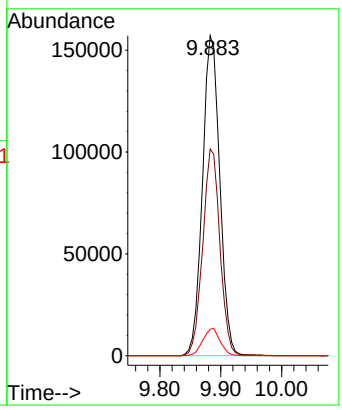


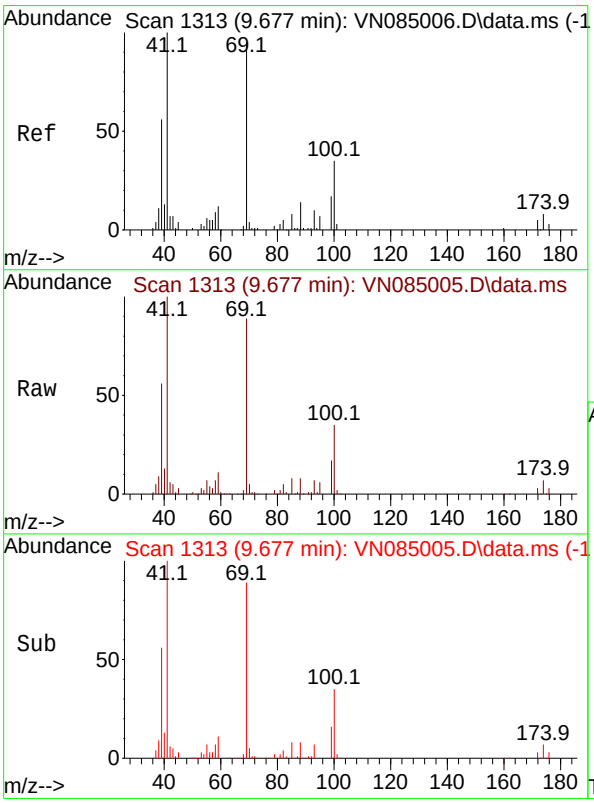
#47
Bromodichloromethane
Concen: 105.641 ug/l
RT: 9.883 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 310562

Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.5	75.7
127	8.2	7.1	10.7

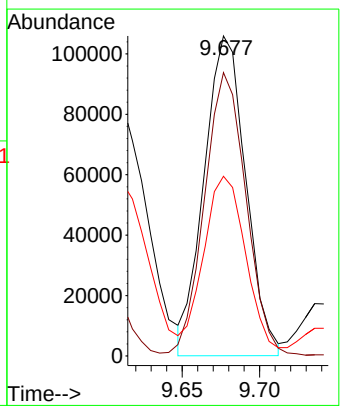


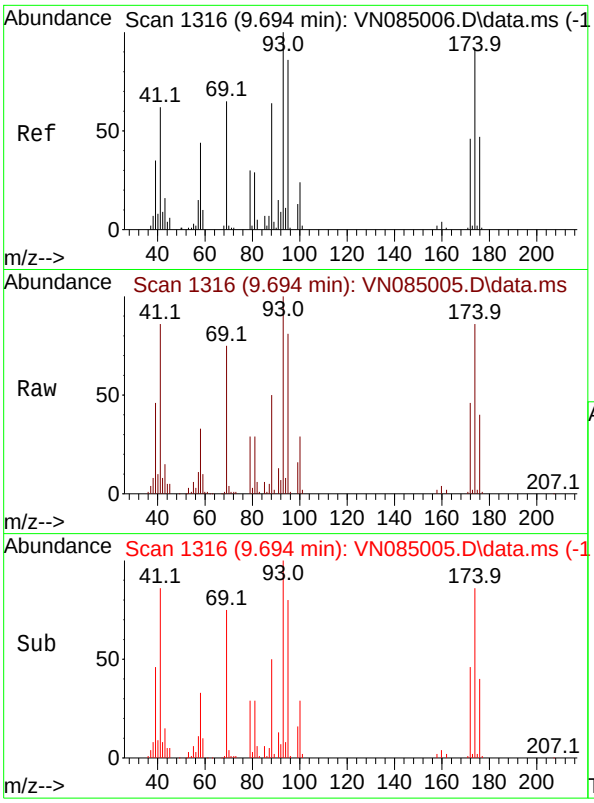


#48
Methyl methacrylate
Concen: 109.847 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 41 Resp: 197798

Ion	Ratio	Lower	Upper
41	100		
69	88.0	73.2	109.8
39	58.1	46.2	69.4



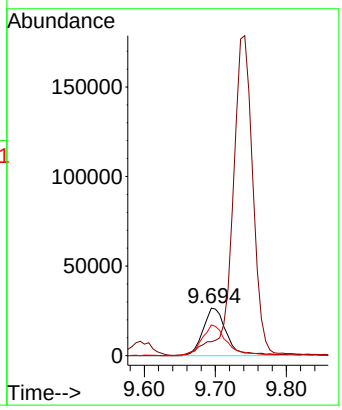


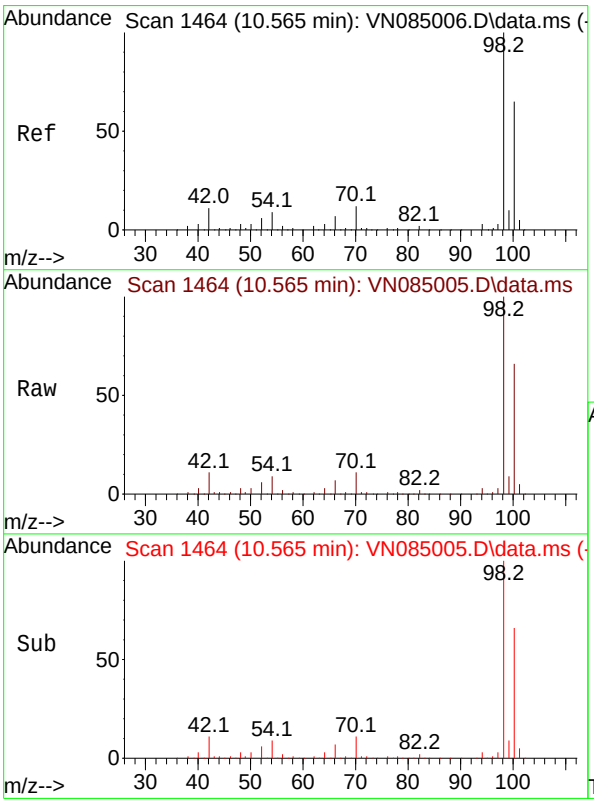
#49
1,4-Dioxane
Concen: 1959.471 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 61188

Ion	Ratio	Lower	Upper
88	100		
43	0.0	16.7	25.1#
58	69.8	56.5	84.7

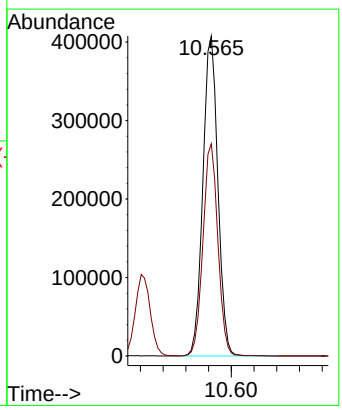


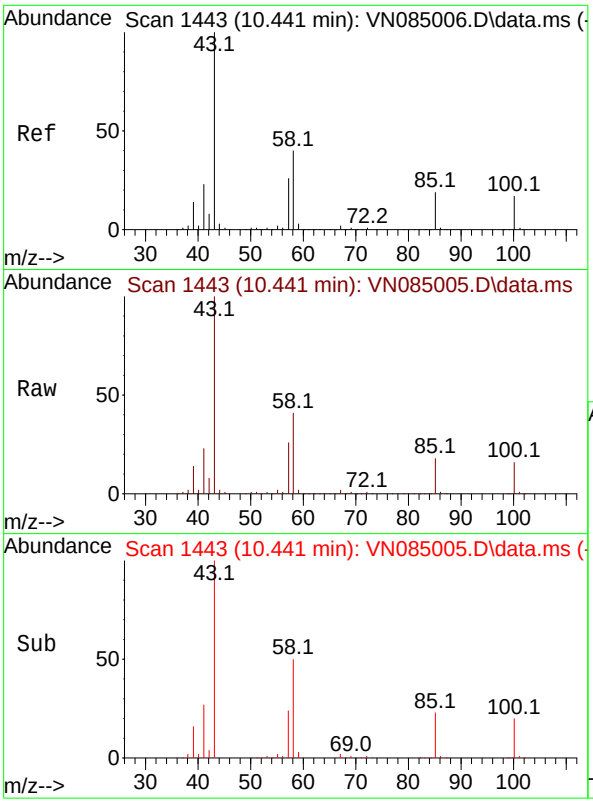


#50
Toluene-d8
Concen: 109.694 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 98 Resp: 743711

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.5	78.7



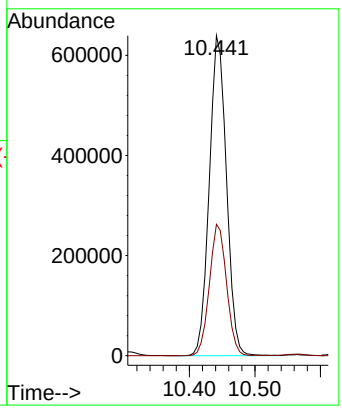


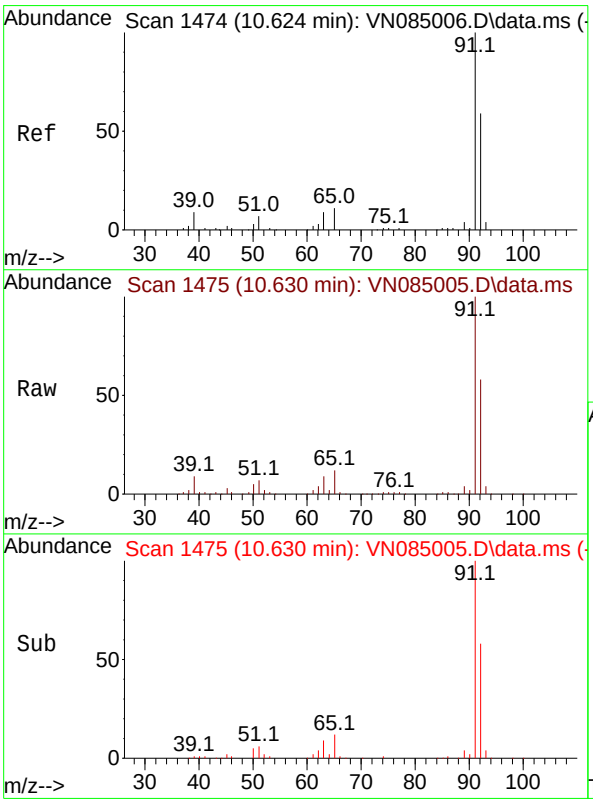
#51
4-Methyl-2-Pentanone
Concen: 525.783 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1162080

Ion	Ratio	Lower	Upper
43	100		
58	41.0	32.1	48.1

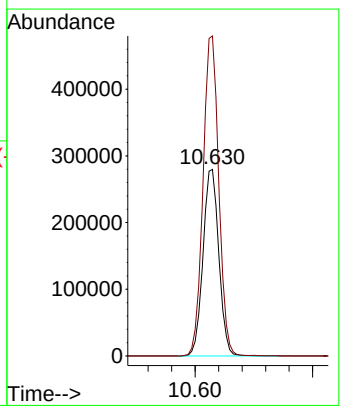


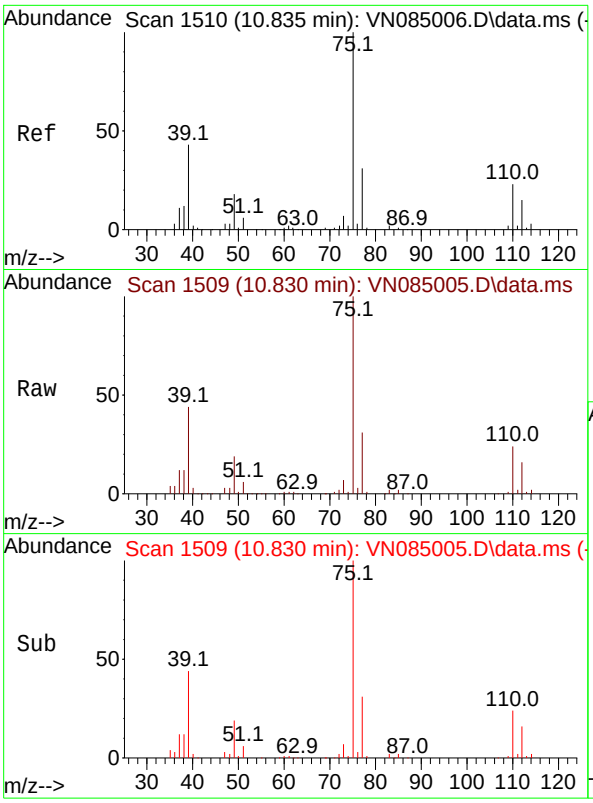


#52
Toluene
Concen: 109.001 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 92 Resp: 522980

Ion	Ratio	Lower	Upper
92	100		
91	170.8	136.7	205.1



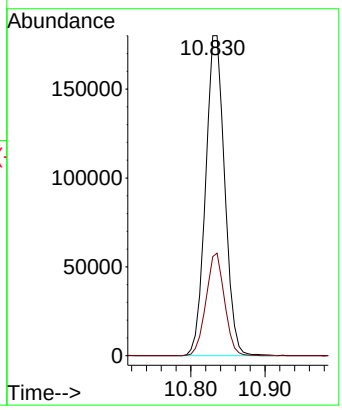


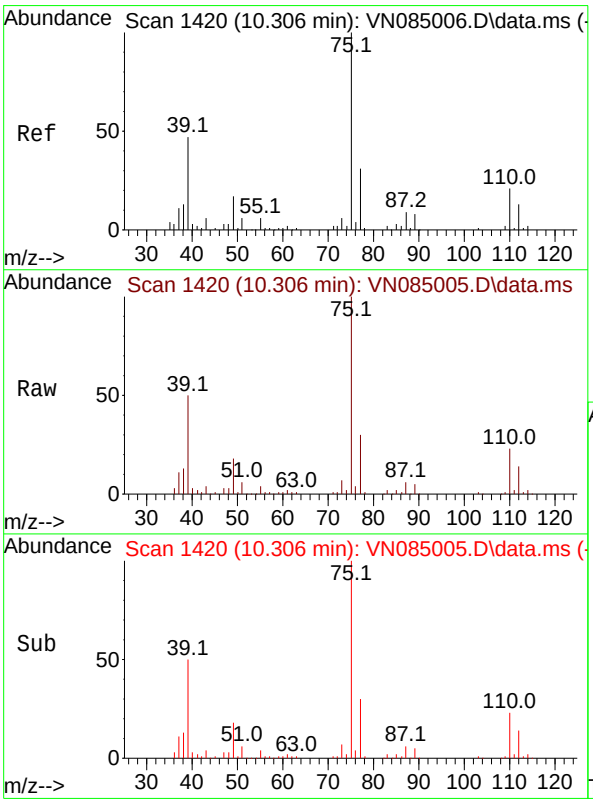
#53
t-1,3-Dichloropropene
Concen: 109.180 ug/l
RT: 10.830 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 321790

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.0	37.4

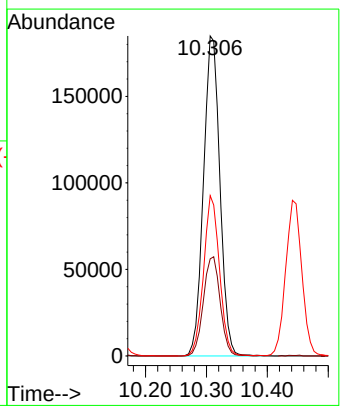


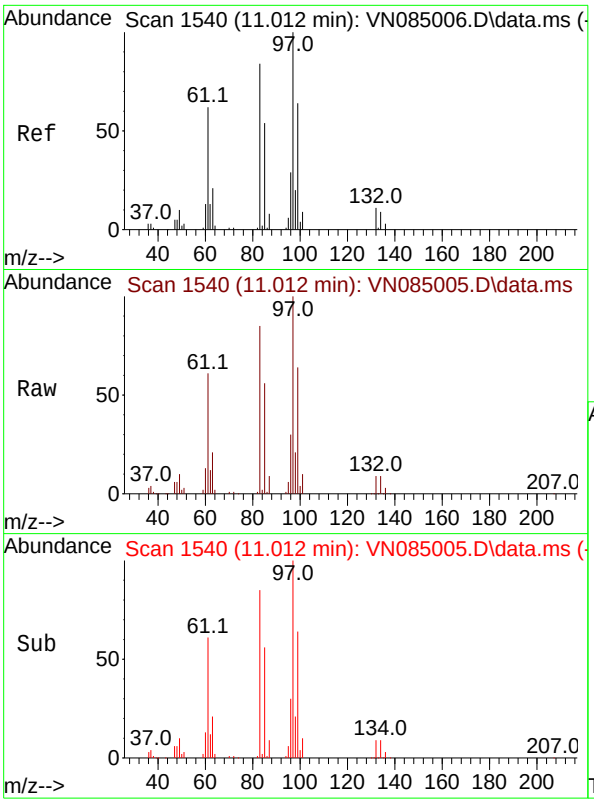


#54
cis-1,3-Dichloropropene
Concen: 110.678 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 346064

Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.0	37.4
39	50.1	37.6	56.4



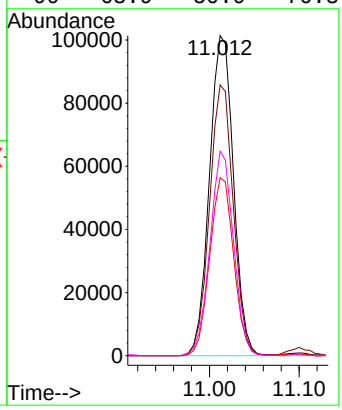


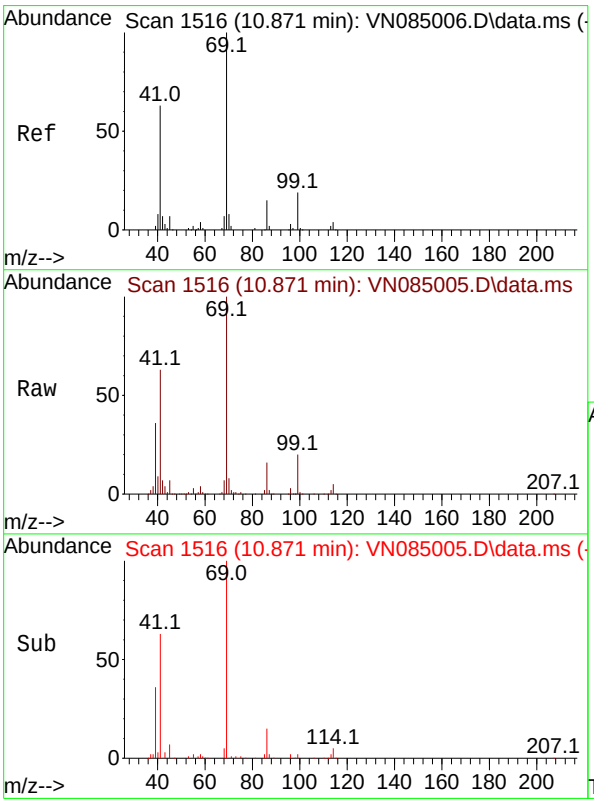
#55
1,1,2-Trichloroethane
Concen: 105.602 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 188724

Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.4	101.2
85	55.6	43.1	64.7
99	63.9	50.9	76.3

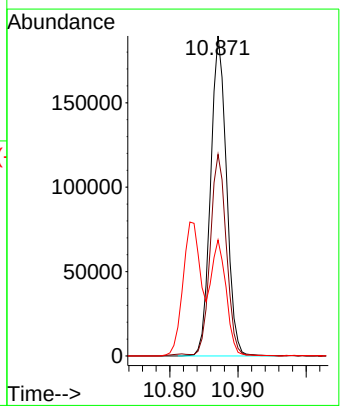


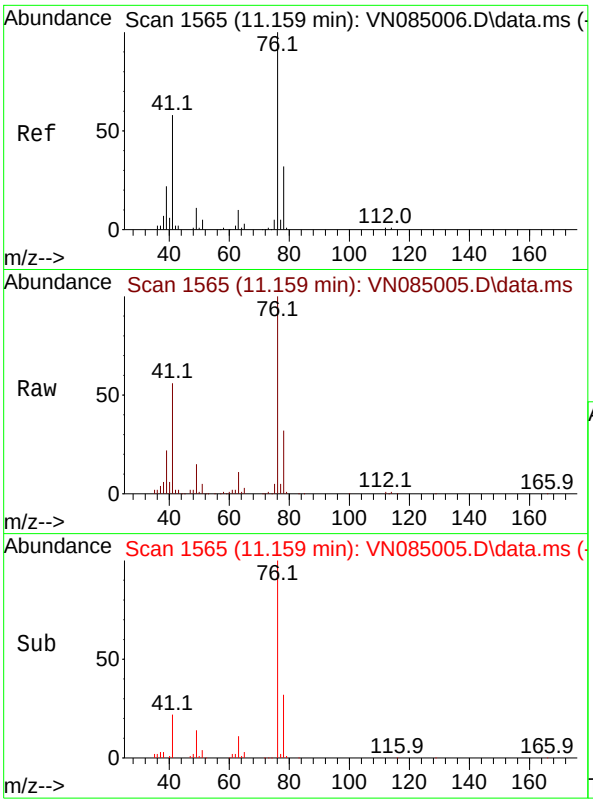


#56
Ethyl methacrylate
Concen: 117.883 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 69 Resp: 307844

Ion	Ratio	Lower	Upper
69	100		
41	63.9	50.0	75.0
39	34.3	27.0	40.6



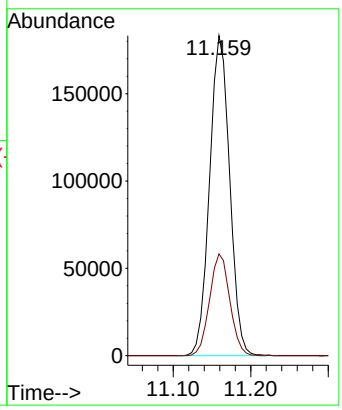


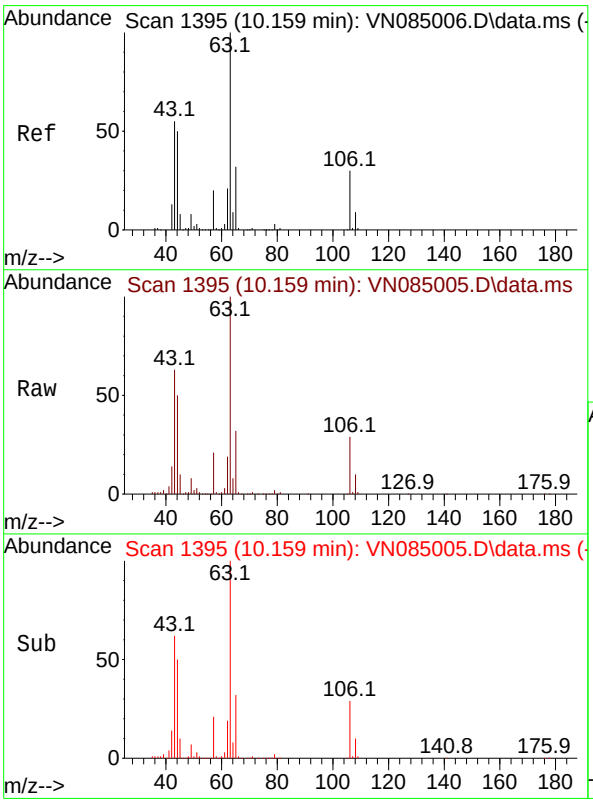
#57
1,3-Dichloropropane
Concen: 104.887 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 329902

Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.1	39.1

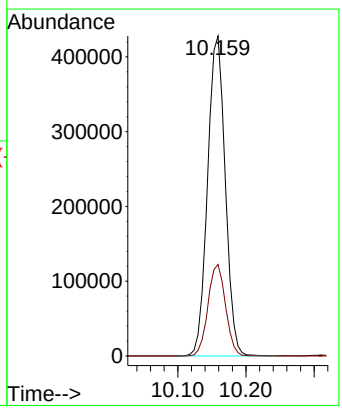


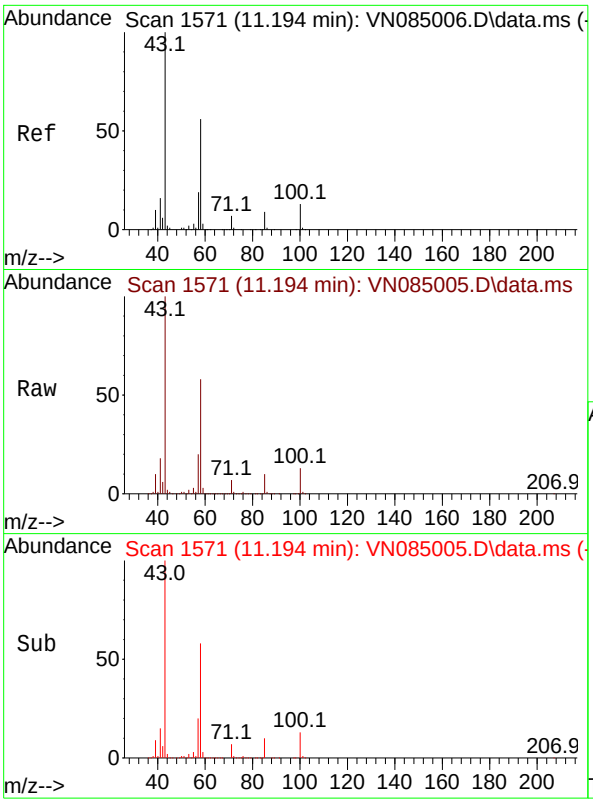


#58
2-Chloroethyl Vinyl ether
Concen: 602.530 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 63 Resp: 771827

Ion	Ratio	Lower	Upper
63	100		
106	28.4	23.0	34.6



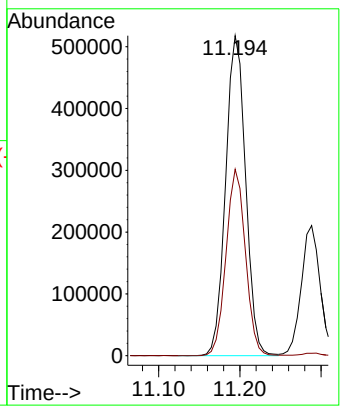


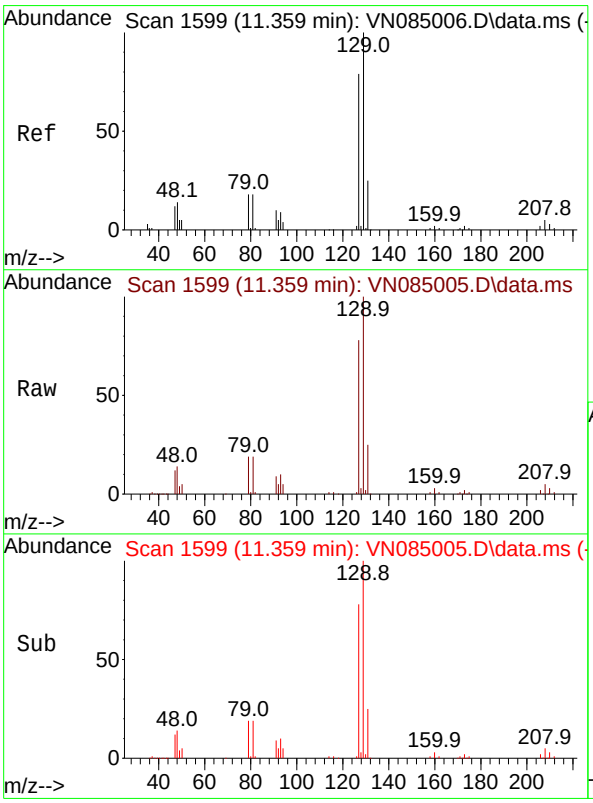
#59
2-Hexanone
Concen: 535.314 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 884879

Ion	Ratio	Lower	Upper
43	100		
58	56.7	28.3	85.0

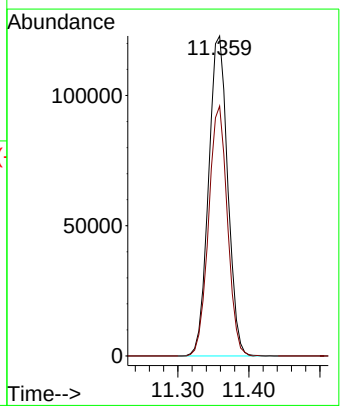


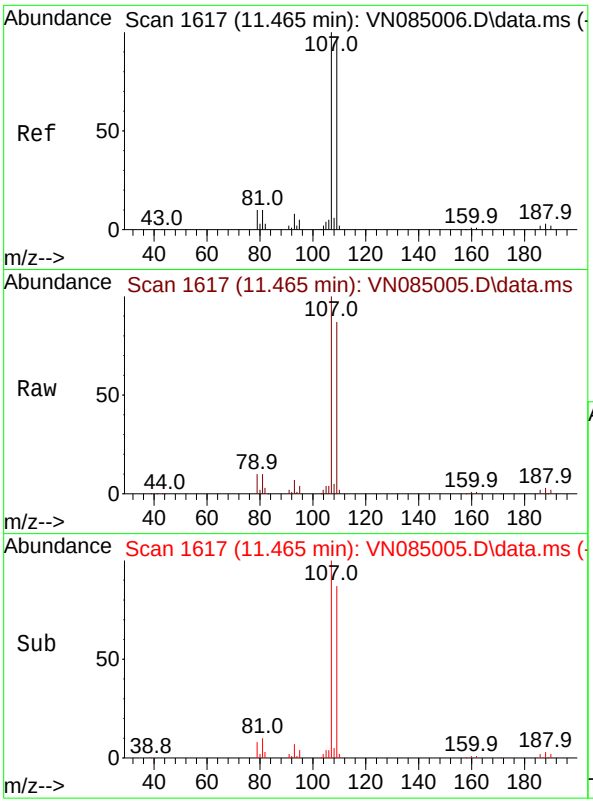


#60
Dibromochloromethane
Concen: 105.249 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:129 Resp: 229875

Ion	Ratio	Lower	Upper
129	100		
127	76.6	39.2	117.6



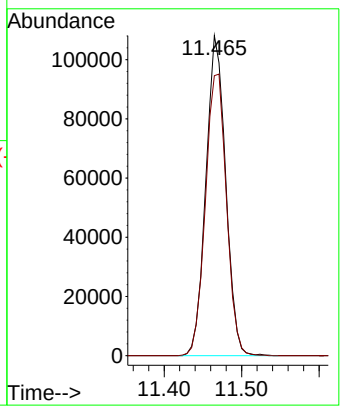


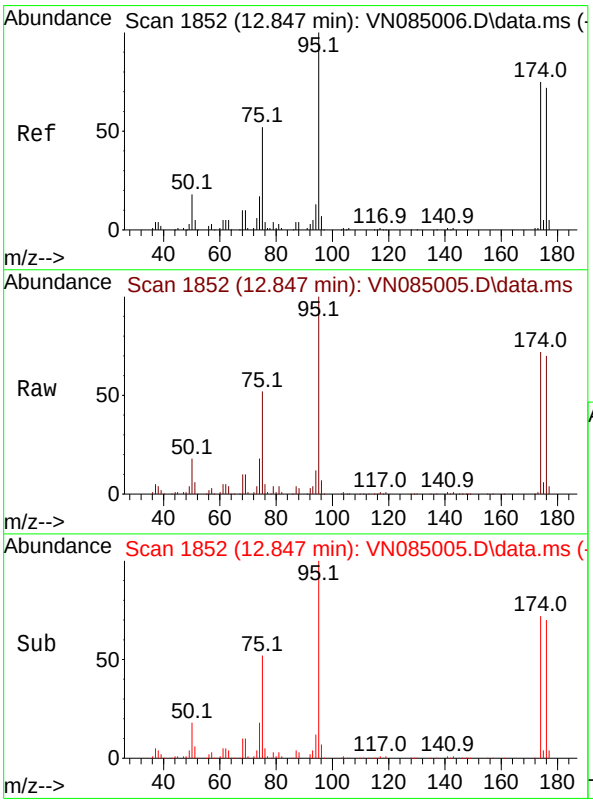
#61
1,2-Dibromoethane
Concen: 103.624 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 191654

Ion	Ratio	Lower	Upper
107	100		
109	93.6	76.1	114.1

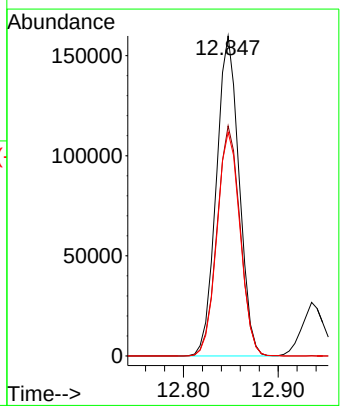


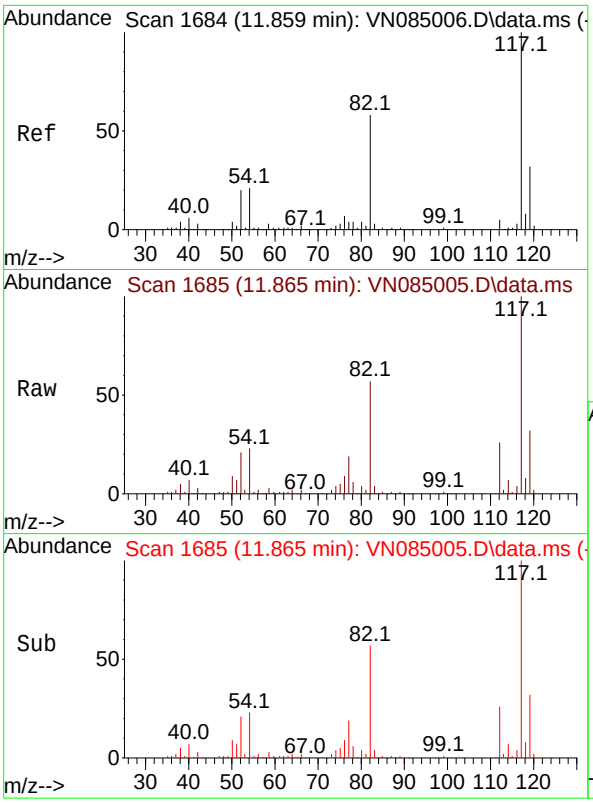


#62
4-Bromofluorobenzene
Concen: 105.236 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 95 Resp: 266822

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	146.6
176	71.2	0.0	141.8



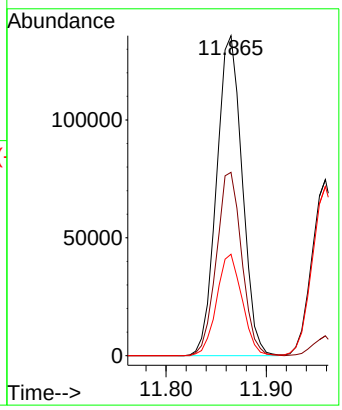


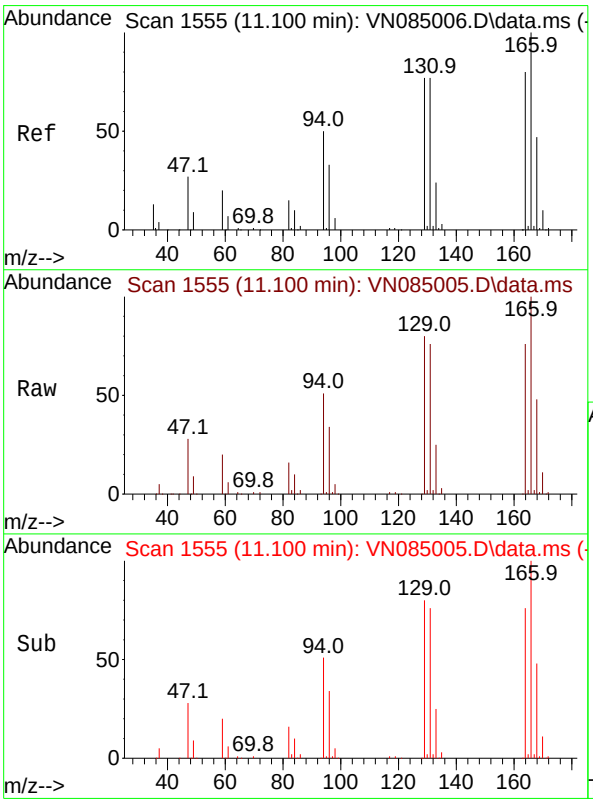
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 240979

Ion	Ratio	Lower	Upper
117	100		
82	57.3	46.0	69.0
119	31.7	25.6	38.4

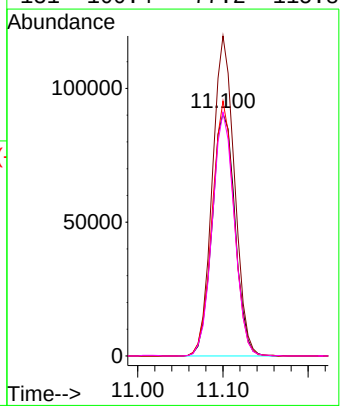


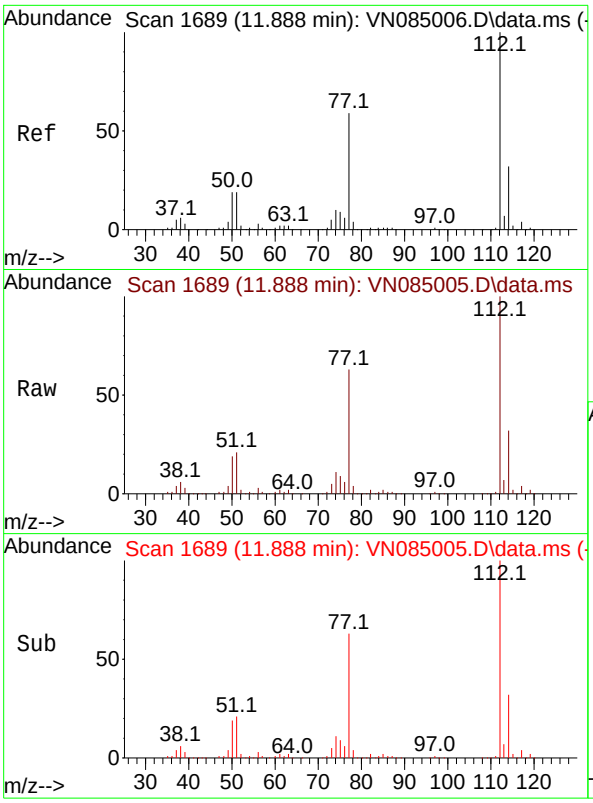


#64
Tetrachloroethene
Concen: 104.032 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:164 Resp: 168926

Ion	Ratio	Lower	Upper
164	100		
166	131.9	100.6	151.0
129	105.1	77.7	116.5
131	100.4	77.2	115.8



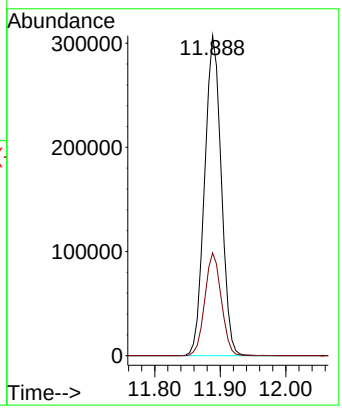


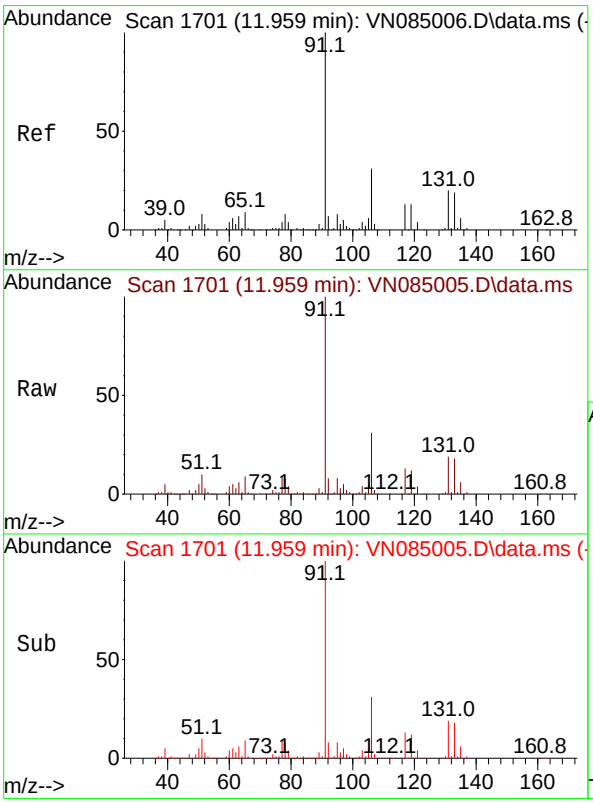
#65
Chlorobenzene
Concen: 99.452 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 543518

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.8	38.6

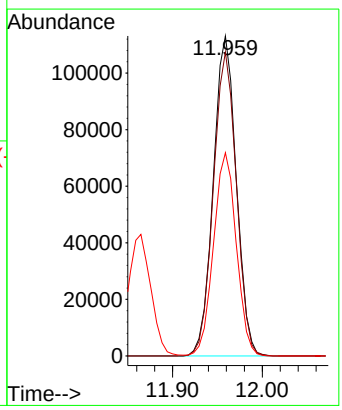


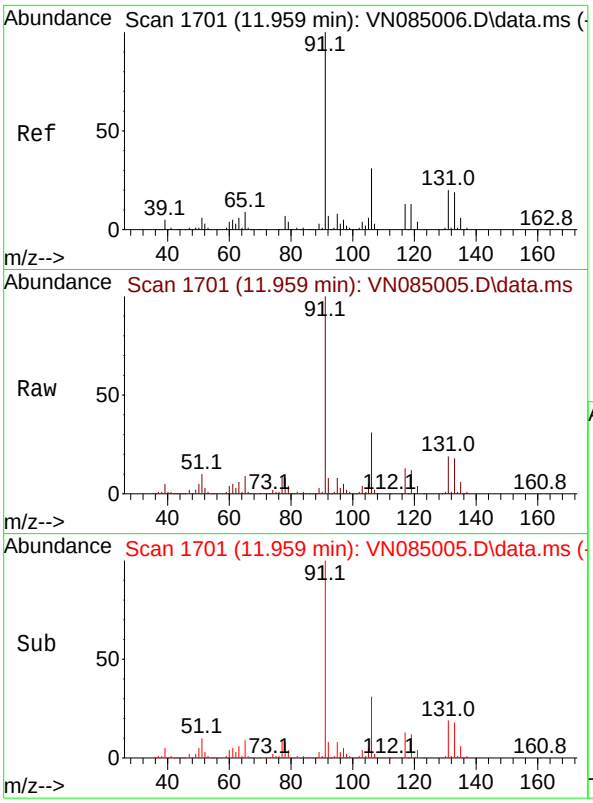


#66
1,1,1,2-Tetrachloroethane
Concen: 104.459 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:131 Resp: 201000

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.8	143.4
119	63.0	32.1	96.3



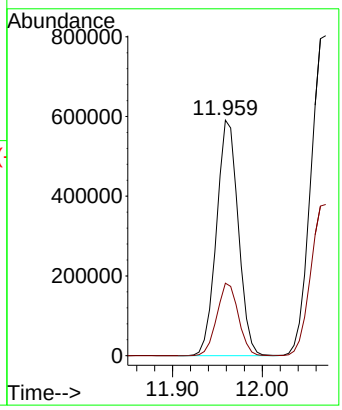


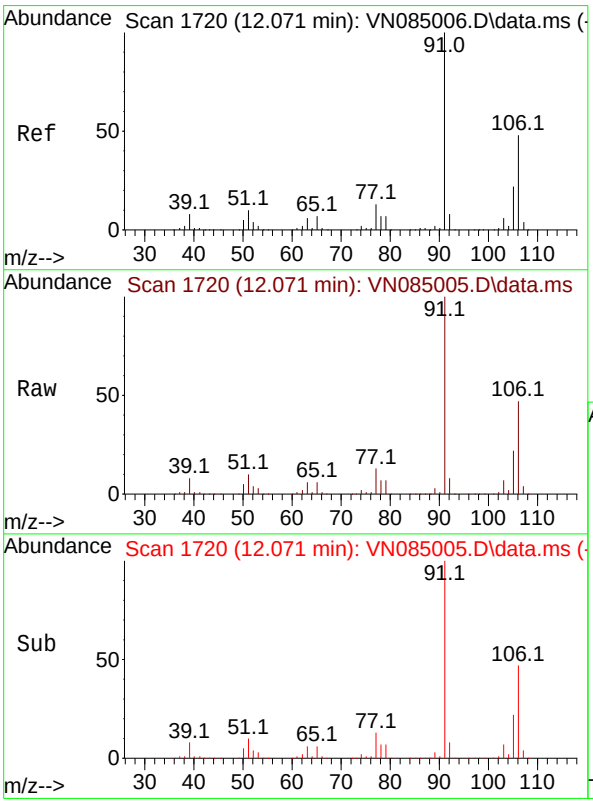
#67
Ethyl Benzene
Concen: 112.113 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 994049

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.7	37.1

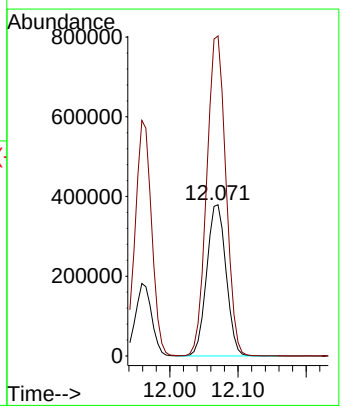


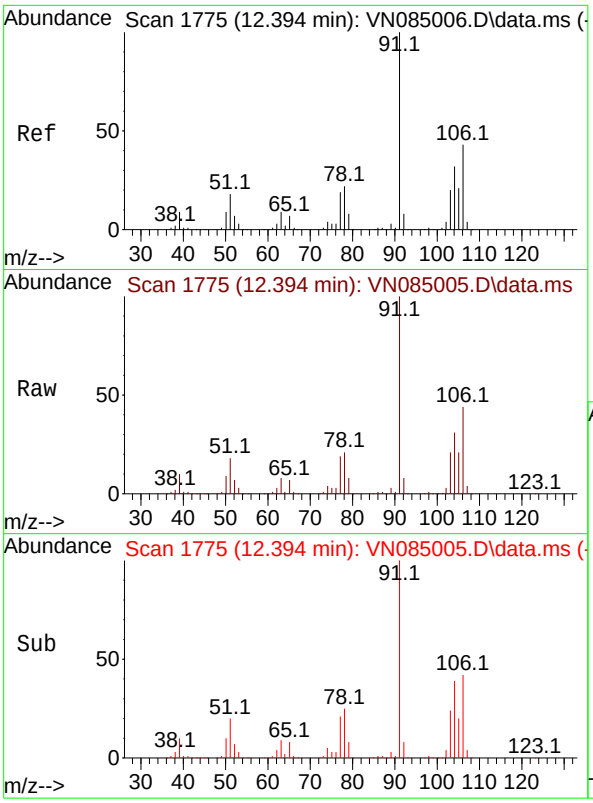


#68
m/p-Xylenes
Concen: 222.116 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:106 Resp: 749782

Ion	Ratio	Lower	Upper
106	100		
91	209.5	168.0	252.0



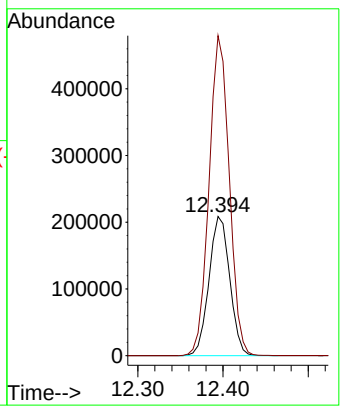


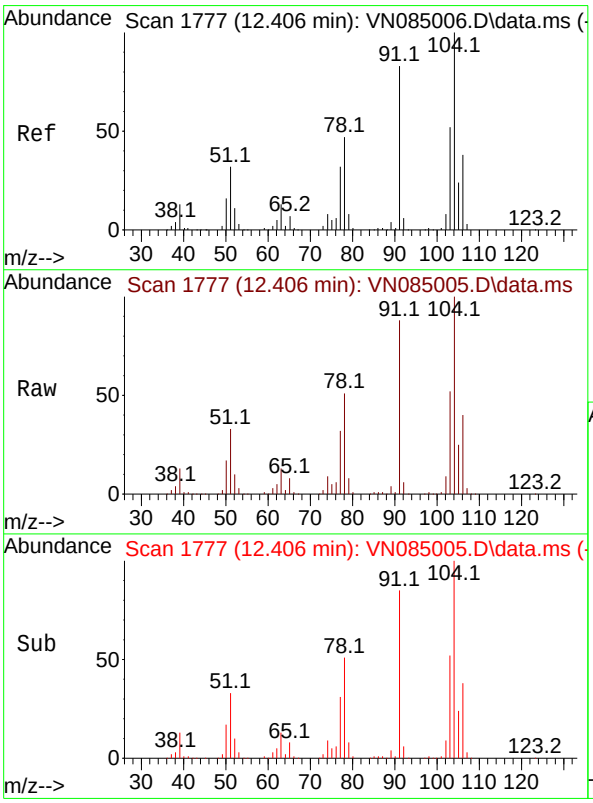
#69
o-Xylene
Concen: 110.070 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 353441

Ion	Ratio	Lower	Upper
106	100		
91	223.7	110.7	331.9

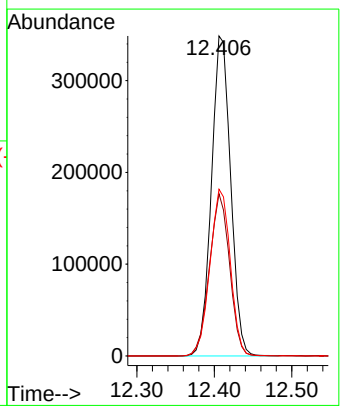


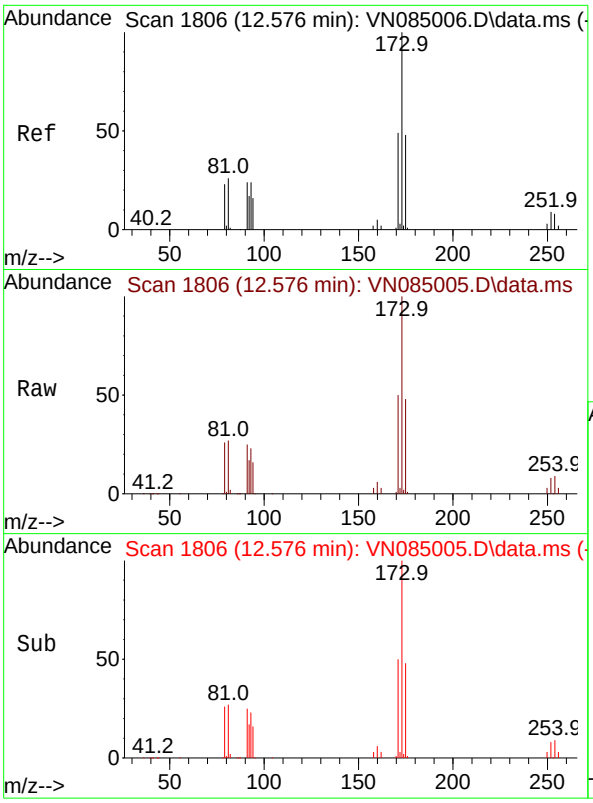


#70
Styrene
Concen: 112.600 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:104 Resp: 601271

Ion	Ratio	Lower	Upper
104	100		
78	53.0	42.3	63.5
103	55.2	44.2	66.2



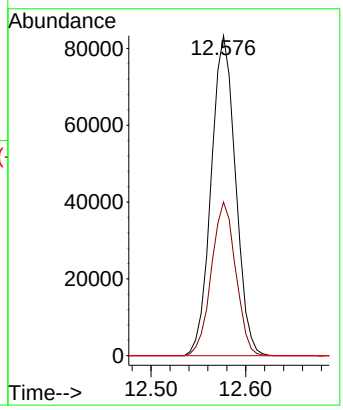


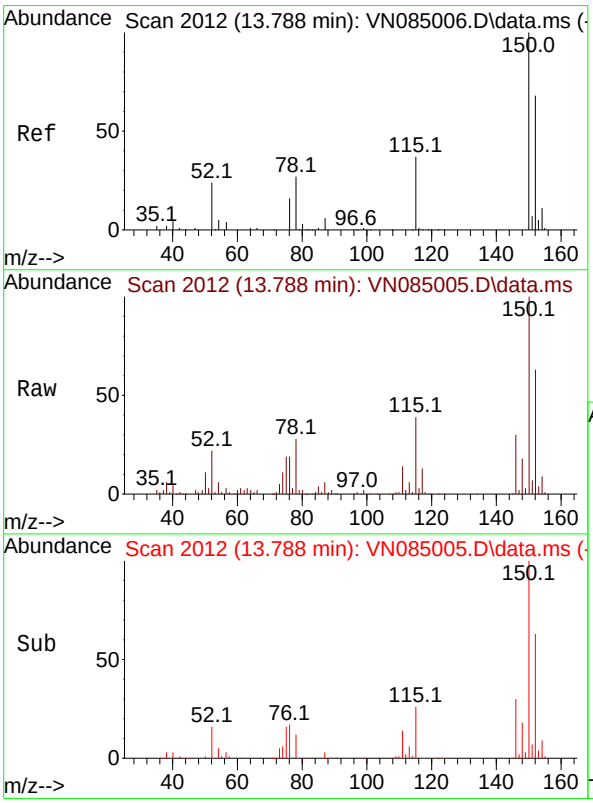
#71
Bromoform
Concen: 104.234 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 148879

Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.8	71.2
254	0.0	0.0	0.0

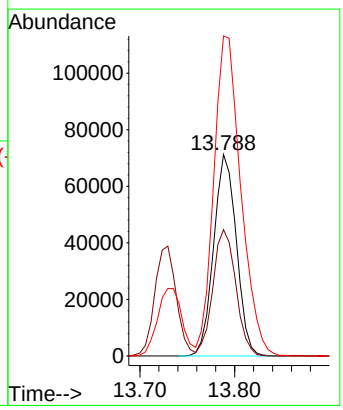


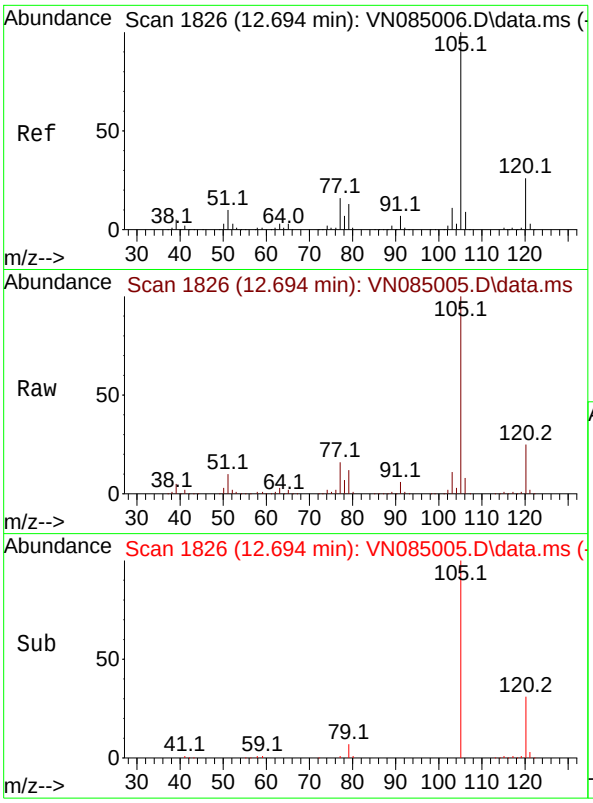


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:152 Resp: 118591

Ion	Ratio	Lower	Upper
152	100		
115	63.4	31.7	95.1
150	189.7	0.0	351.4



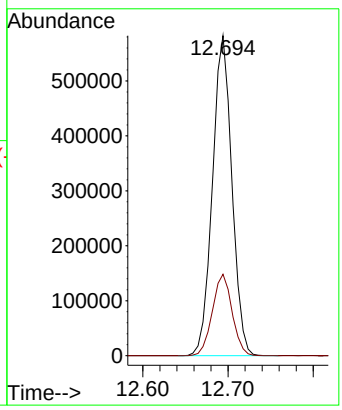


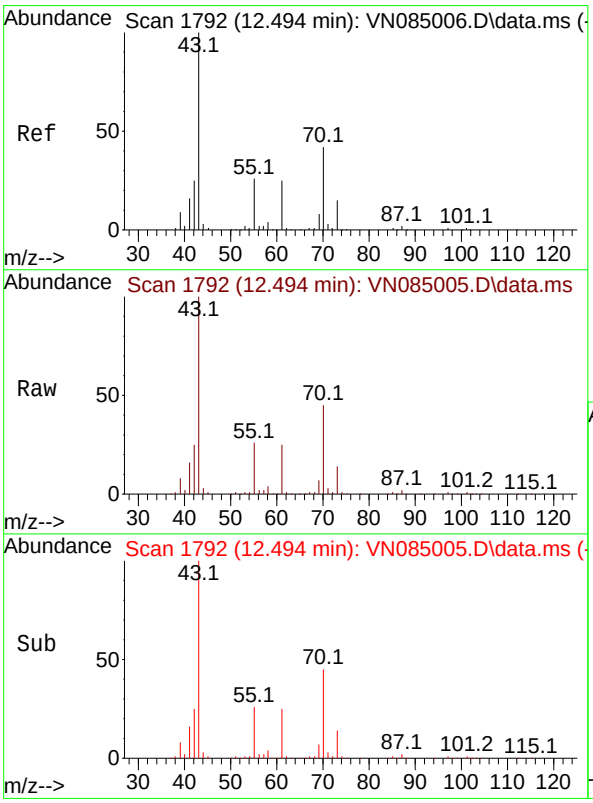
#73
Isopropylbenzene
Concen: 110.216 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 922085

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.0	39.0

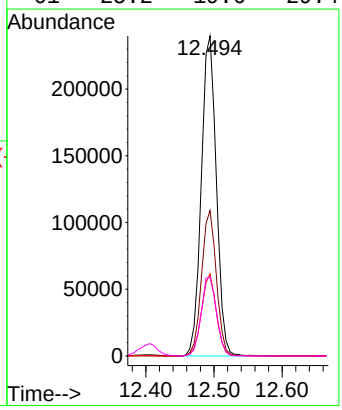


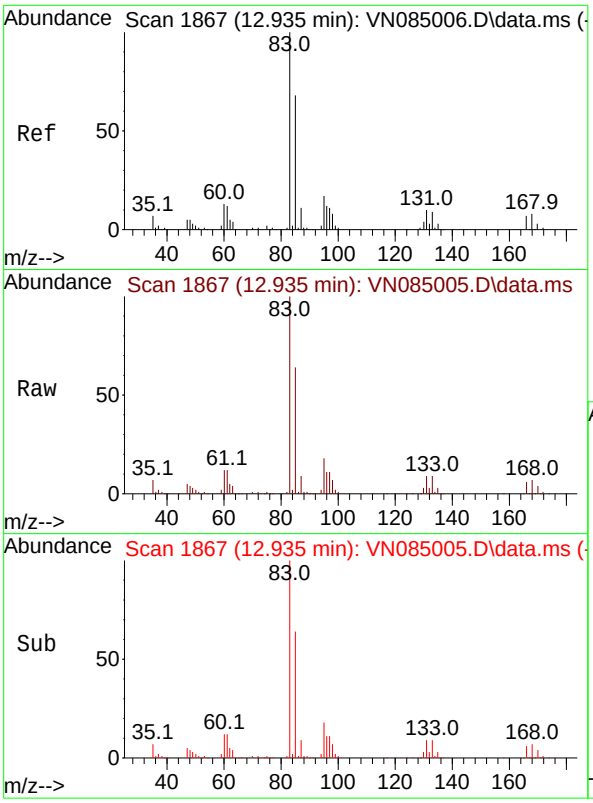


#74
N-amyl acetate
Concen: 106.820 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 368260

Ion	Ratio	Lower	Upper
43	100		
70	44.7	34.6	51.8
55	25.2	20.5	30.7
61	25.2	19.6	29.4



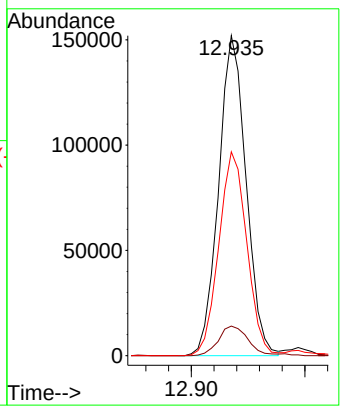


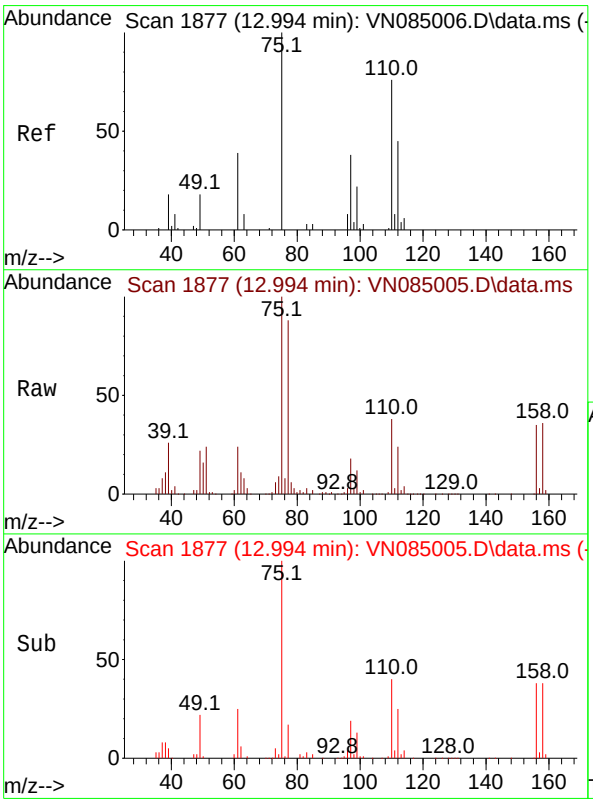
#75
1,1,2,2-Tetrachloroethane
Concen: 89.359 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 255286

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.1	15.4
85	64.9	32.1	96.3

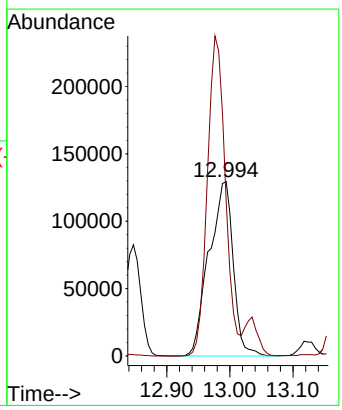


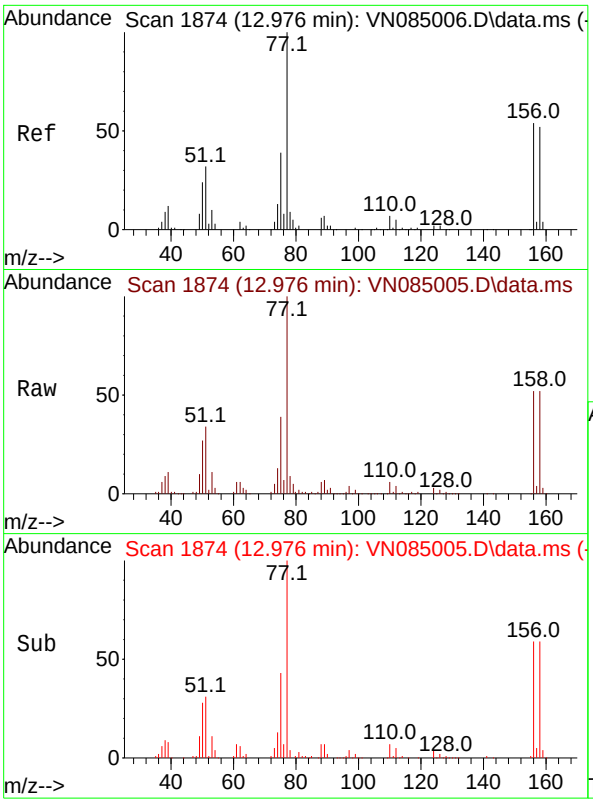


#76
1,2,3-Trichloropropane
Concen: 155.169 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 344237

Ion	Ratio	Lower	Upper
75	100		
77	137.2	109.1	327.4



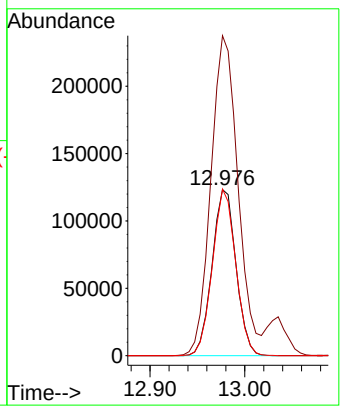


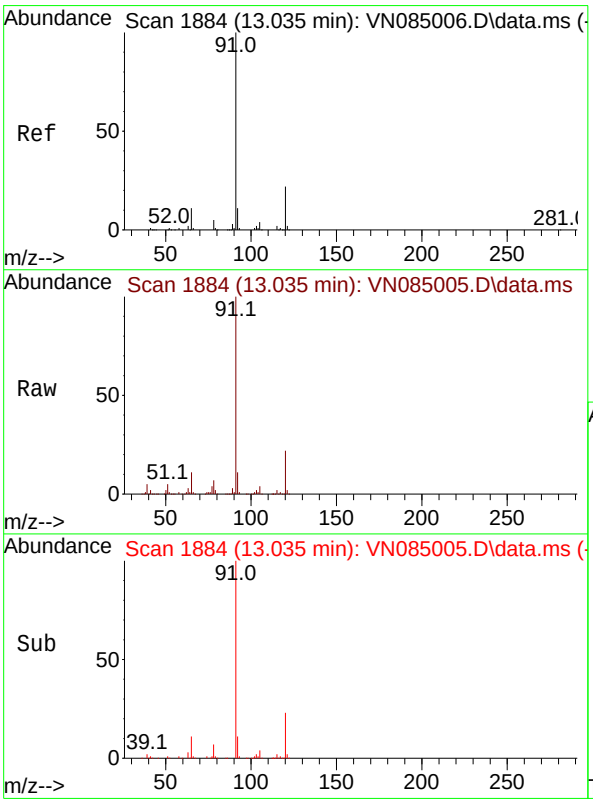
#77
Bromobenzene
Concen: 95.881 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 215866

Ion	Ratio	Lower	Upper
156	100		
77	218.8	107.2	321.6
158	98.1	48.5	145.6

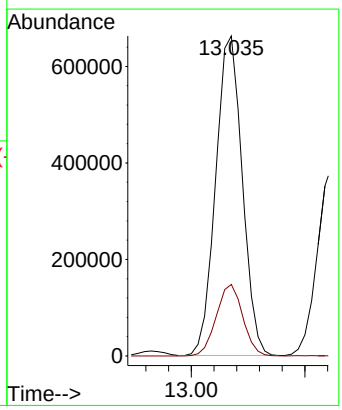


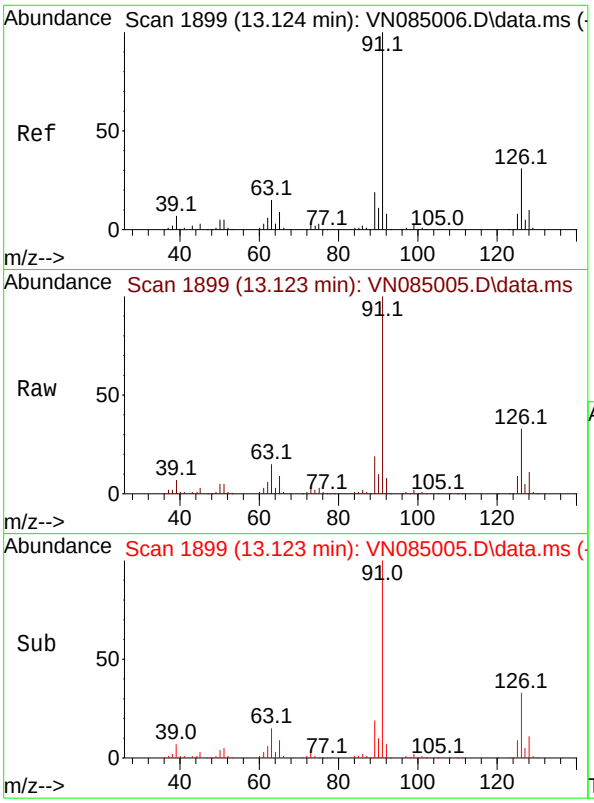


#78
n-propylbenzene
Concen: 111.753 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 91 Resp: 1078373

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.3	33.9



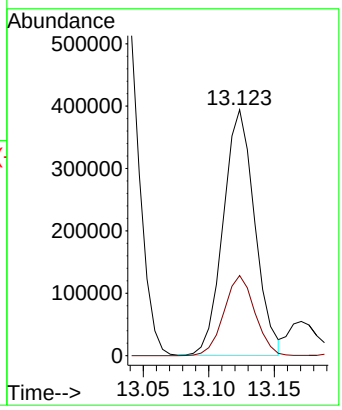


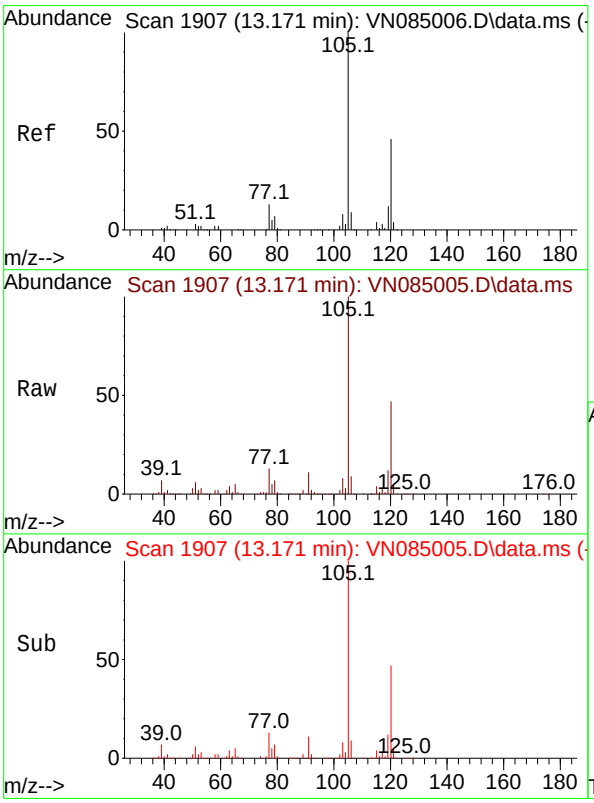
#79
2-Chlorotoluene
Concen: 102.230 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 658525

Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.1	48.3

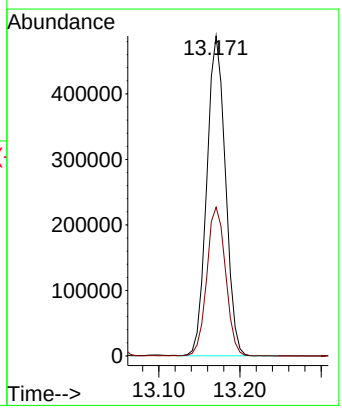


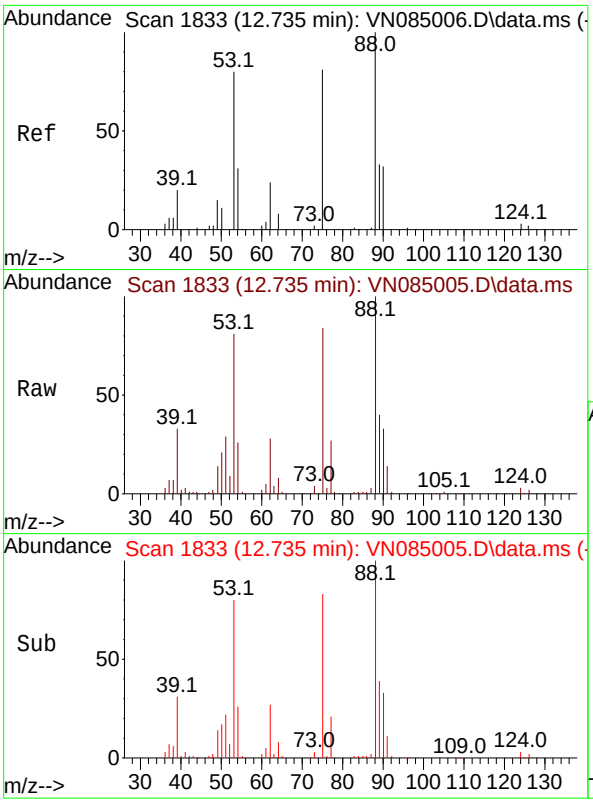


#80
1,3,5-Trimethylbenzene
Concen: 110.573 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:105 Resp: 776252

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.6	71.0



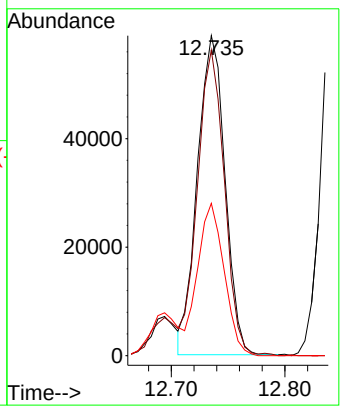


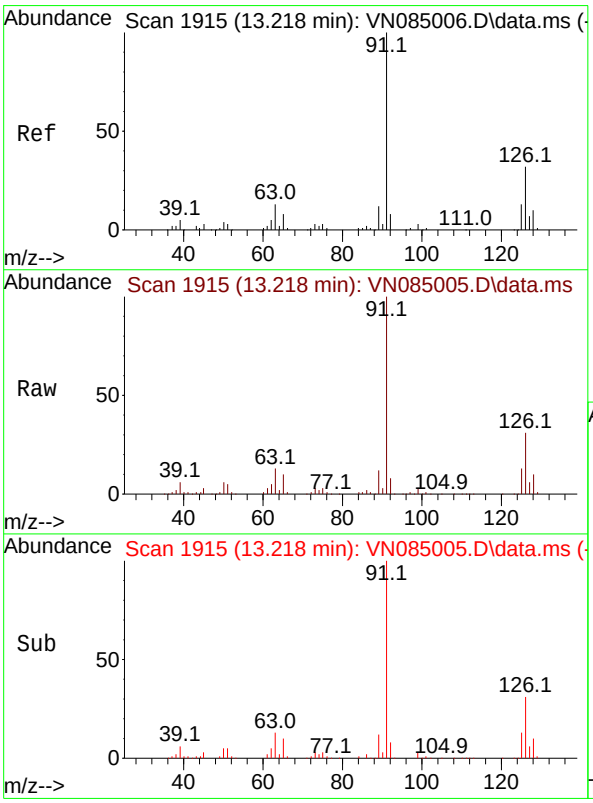
#81
trans-1,4-Dichloro-2-butene
Concen: 104.513 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 99218

Ion	Ratio	Lower	Upper
75	100		
53	93.8	78.2	117.4
89	45.5	37.9	56.9

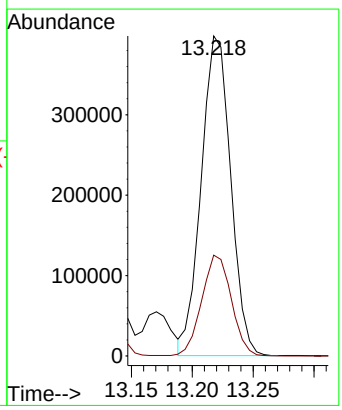


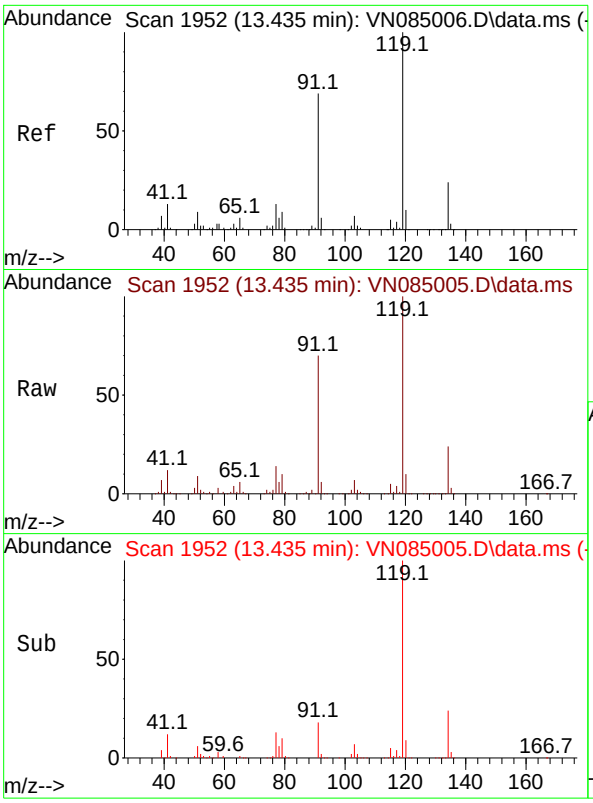


#82
4-Chlorotoluene
Concen: 99.811 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 91 Resp: 669311

Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.1	48.3



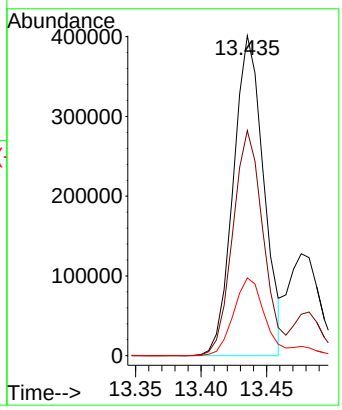


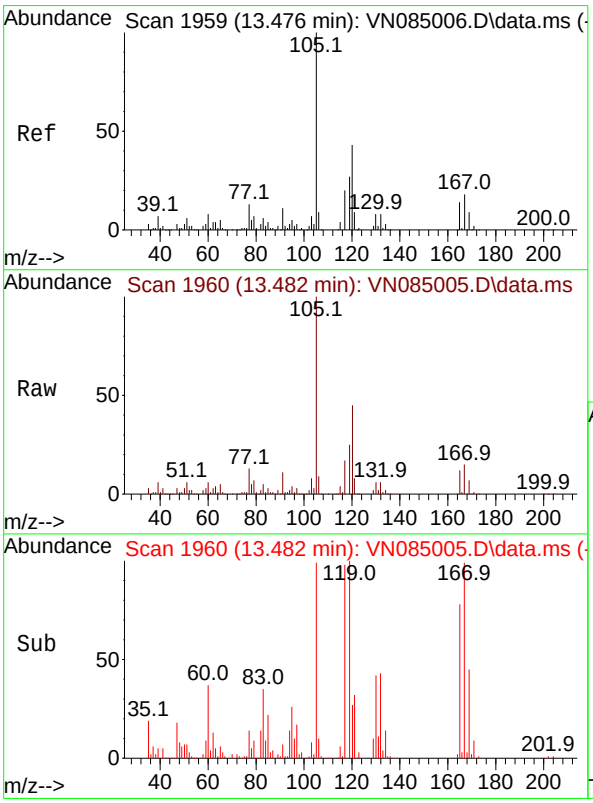
#83
tert-Butylbenzene
Concen: 107.009 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 646369

Ion	Ratio	Lower	Upper
119	100		
91	70.8	35.1	105.5
134	27.1	12.1	36.3

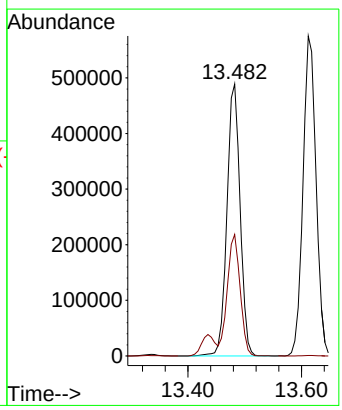


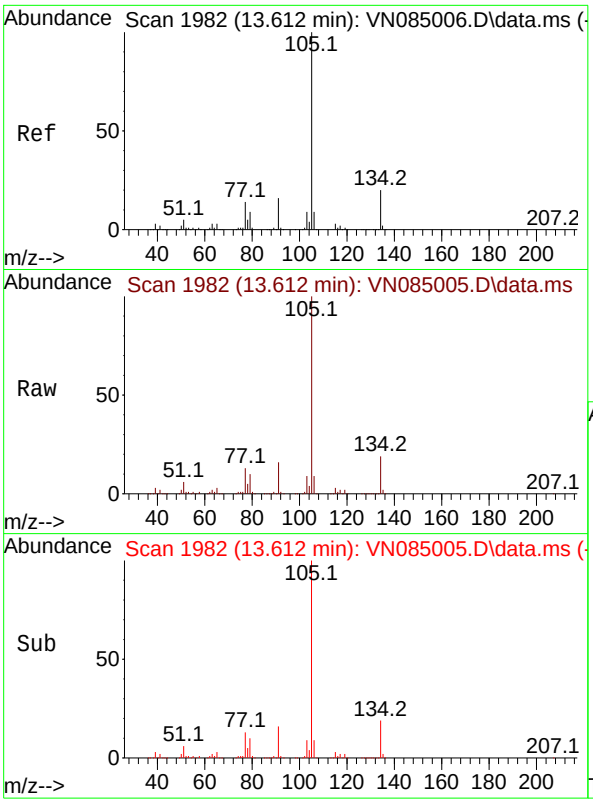


#84
1,2,4-Trimethylbenzene
Concen: 109.040 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:105 Resp: 787962

Ion	Ratio	Lower	Upper
105	100		
120	43.7	21.8	65.4



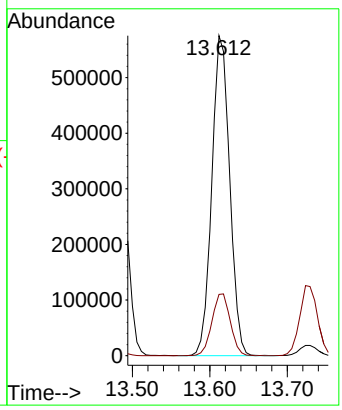


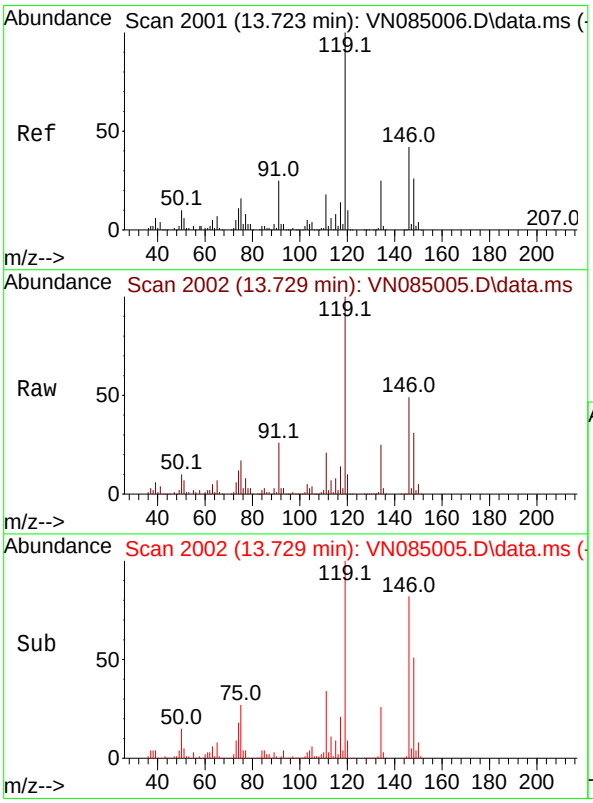
#85
sec-Butylbenzene
Concen: 112.777 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 920223

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.3

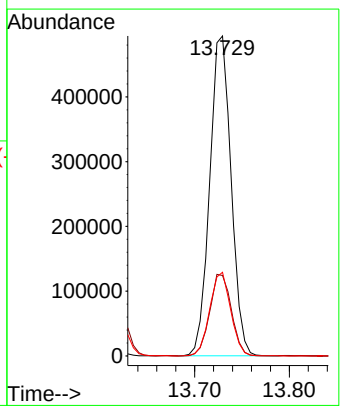


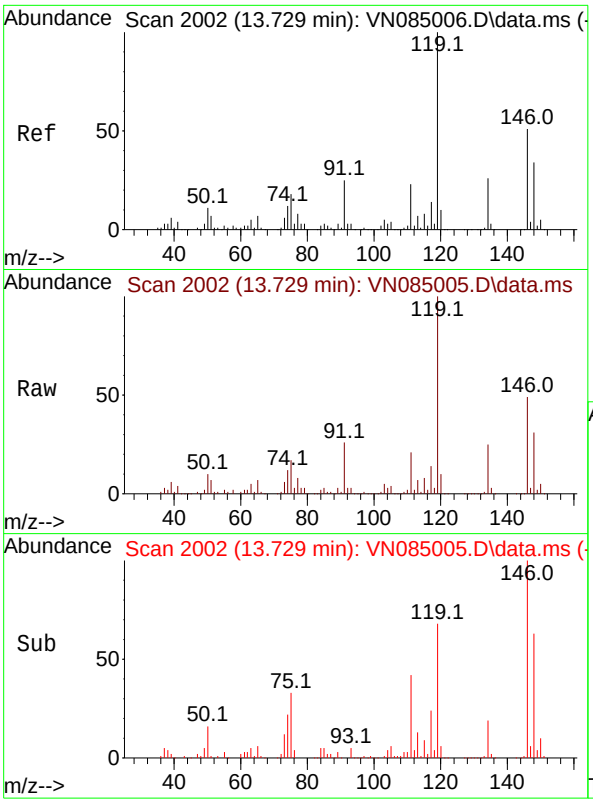


#86
p-Isopropyltoluene
Concen: 115.104 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:119 Resp: 775322

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	39.0
91	25.6	12.8	38.4



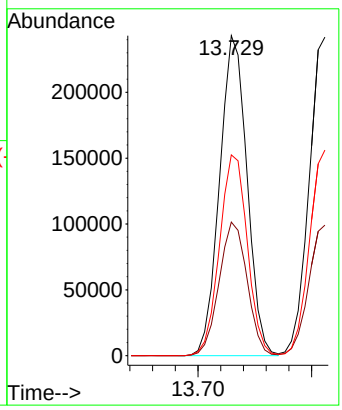


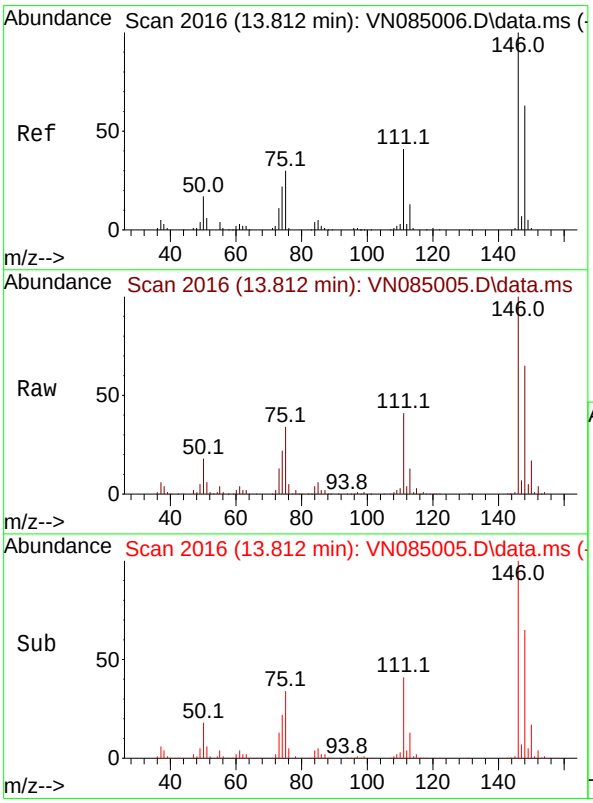
#87
1,3-Dichlorobenzene
Concen: 91.842 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 407844

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.6	65.0
148	63.7	32.2	96.6

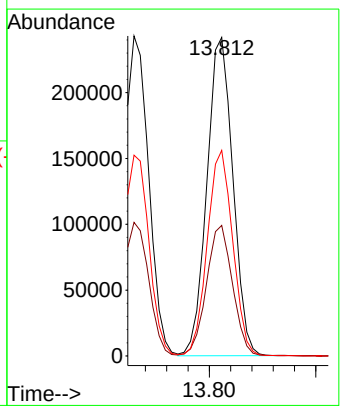


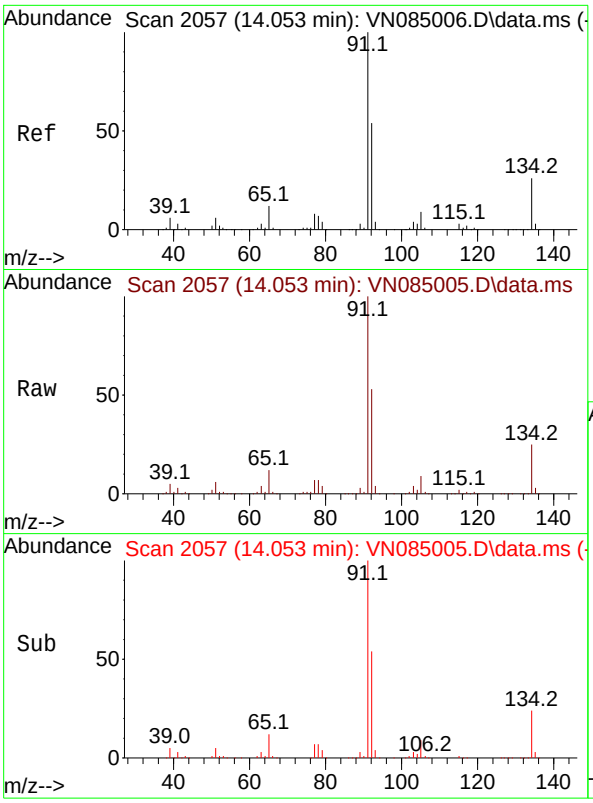


#88
1,4-Dichlorobenzene
Concen: 90.361 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:146 Resp: 409489

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.9	62.8
148	63.6	31.3	93.9



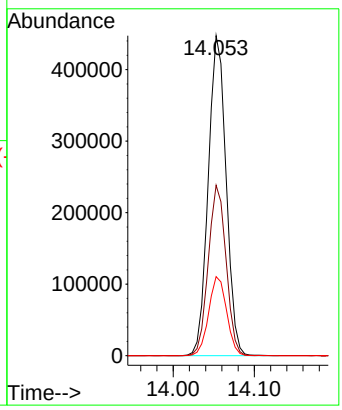


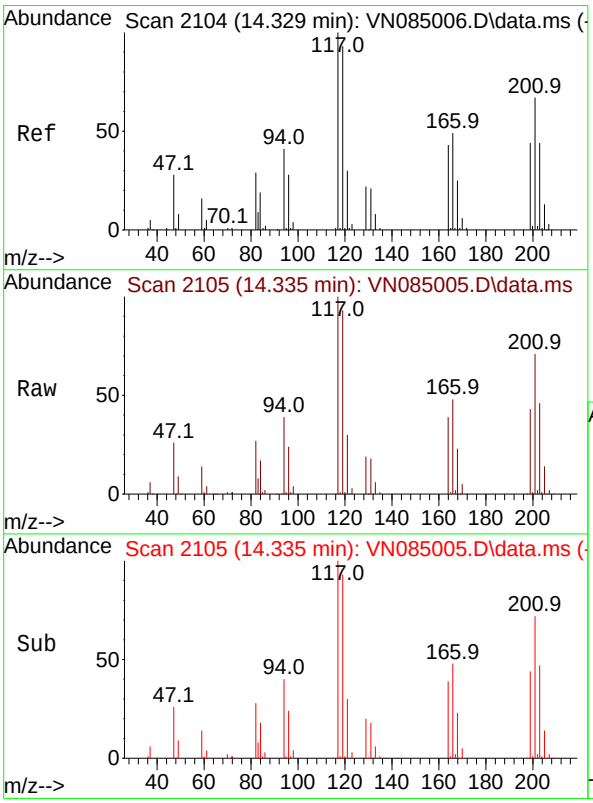
#89
n-Butylbenzene
Concen: 109.120 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 683538

Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.8	80.3
134	24.9	12.8	38.4

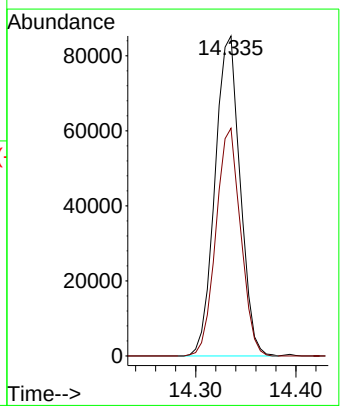


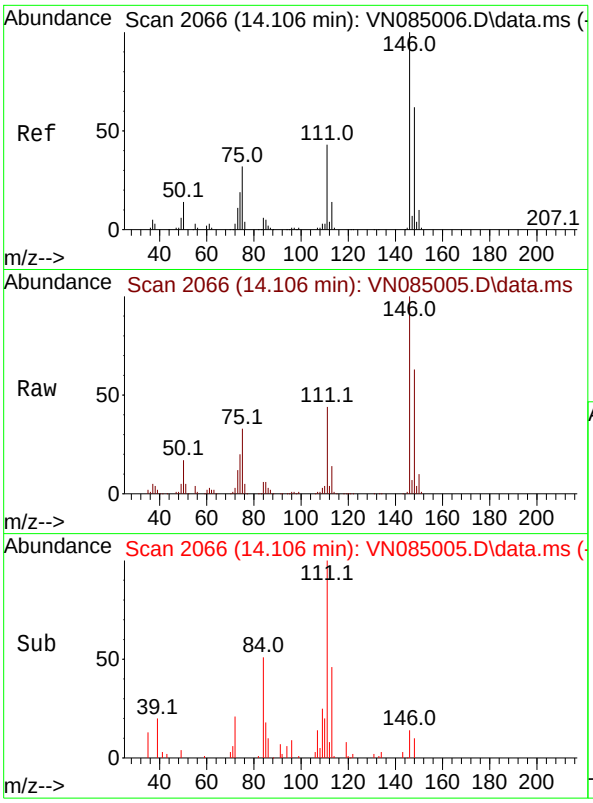


#90
Hexachloroethane
Concen: 100.783 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:117 Resp: 147973

Ion	Ratio	Lower	Upper
117	100		
201	70.1	35.2	105.6



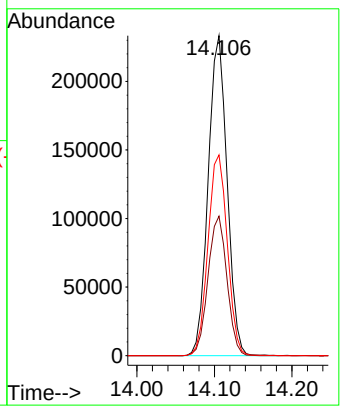


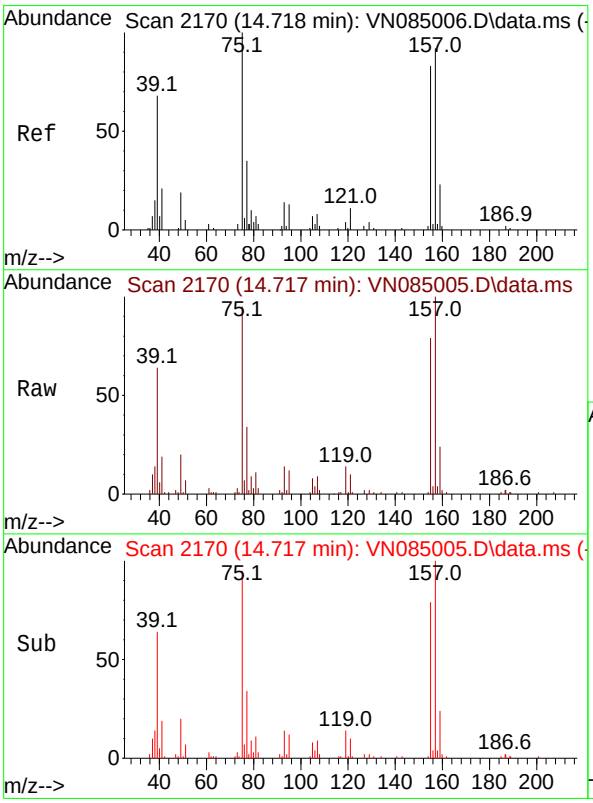
#91
1,2-Dichlorobenzene
Concen: 92.796 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 394872

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.9	65.8
148	64.3	31.1	93.2

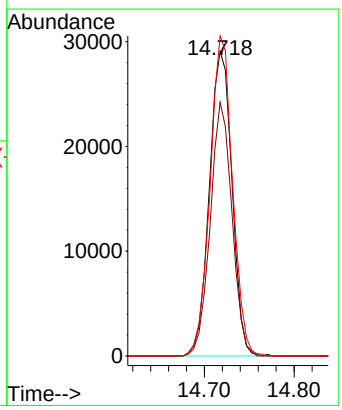


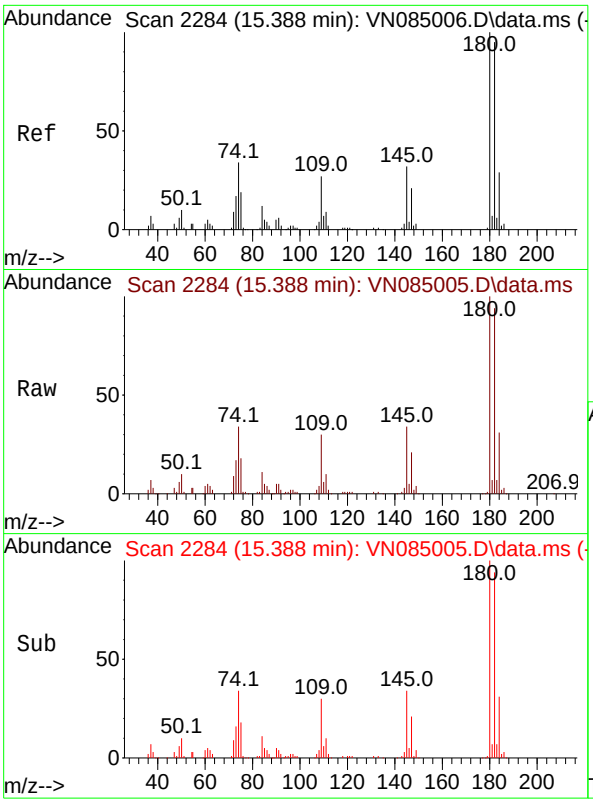


#92
1,2-Dibromo-3-Chloropropane
Concen: 92.071 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 50863

Ion	Ratio	Lower	Upper
75	100		
155	79.9	38.9	116.7
157	104.3	48.3	144.9



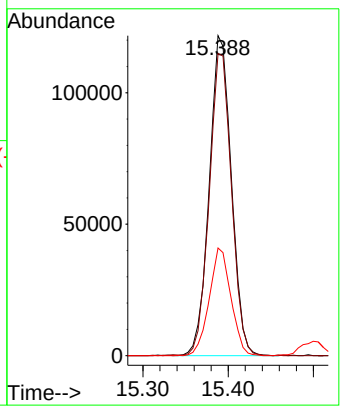


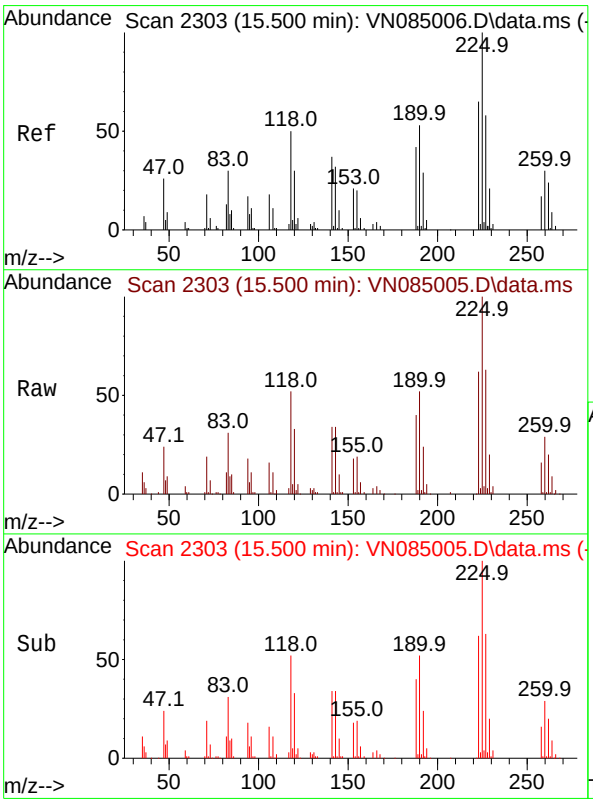
#93
1,2,4-Trichlorobenzene
Concen: 95.107 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 219866

Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.9	140.8
145	33.0	16.3	48.8

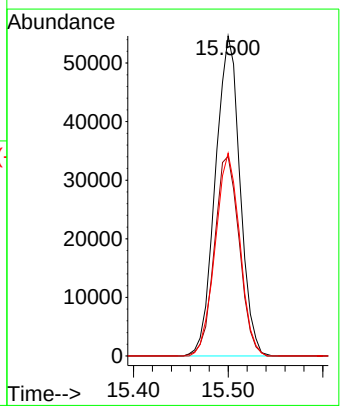


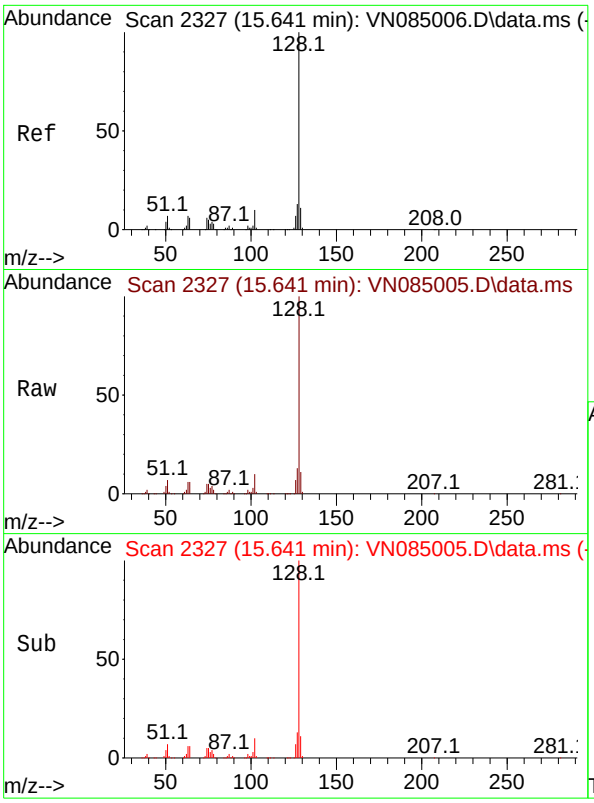


#94
Hexachlorobutadiene
Concen: 92.405 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:225 Resp: 98588

Ion	Ratio	Lower	Upper
225	100		
223	63.1	30.9	92.8
227	63.2	31.5	94.5



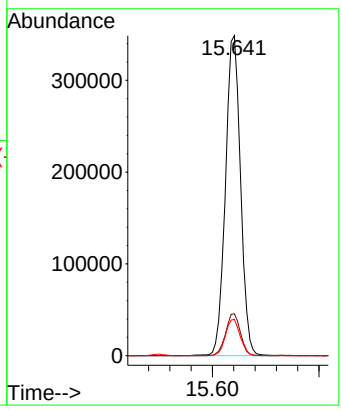


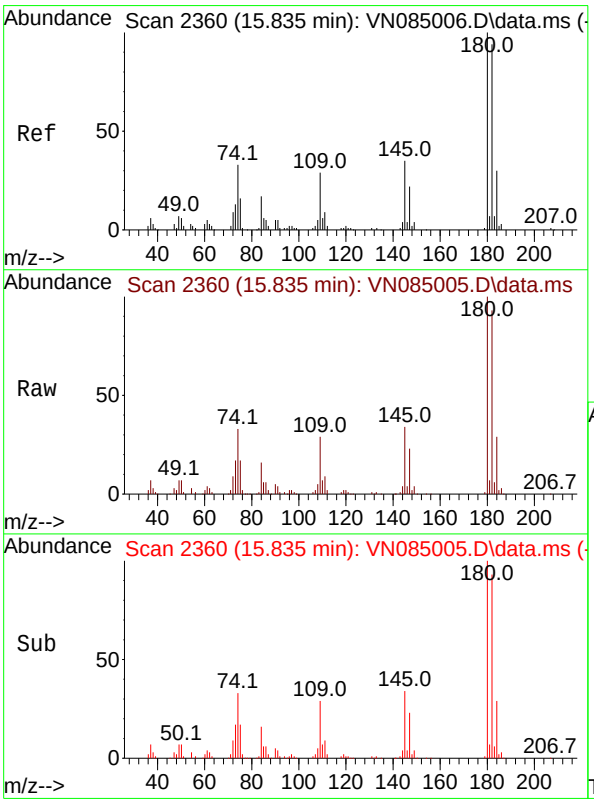
#95
Naphthalene
Concen: 104.183 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 685964

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	11.1	8.6	12.8

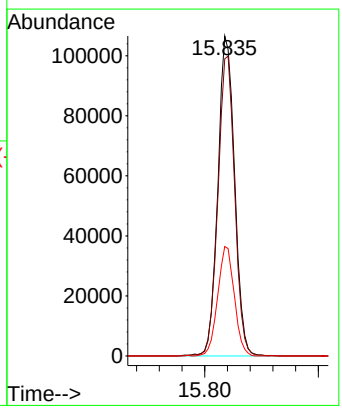




#96
1,2,3-Trichlorobenzene
Concen: 99.092 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:180 Resp: 218578

Ion	Ratio	Lower	Upper
180	100		
182	93.8	46.4	139.2
145	33.9	17.3	52.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085006.D
Acq On : 22 Nov 2024 11:46
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Nov 23 01:58:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	163353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	271467	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	232158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	115244	49.528	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.060%			
35) Dibromofluoromethane	8.159	113	92297	50.417	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.840%			
50) Toluene-d8	10.565	98	338938	51.662	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.320%			
62) 4-Bromofluorobenzene	12.847	95	126840	51.698	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	91455	49.512	ug/l	100
3) Chloromethane	2.360	50	96463	45.027	ug/l	100
4) Vinyl Chloride	2.512	62	93960	48.804	ug/l	100
5) Bromomethane	2.901	94	50828	47.102	ug/l	100
6) Chloroethane	3.065	64	61844	47.657	ug/l	100
7) Trichlorofluoromethane	3.459	101	157642	48.134	ug/l	100
8) Diethyl Ether	3.948	74	57011	51.145	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.353	101	90080	48.495	ug/l	100
10) Methyl Iodide	4.571	142	122086	49.653	ug/l	100
11) Tert butyl alcohol	5.542	59	73708	237.049	ug/l	100
12) 1,1-Dichloroethene	4.318	96	85520	49.324	ug/l	100
13) Acrolein	4.165	56	57099	275.201	ug/l	100
14) Allyl chloride	5.006	41	144773	49.531	ug/l	100
15) Acrylonitrile	5.712	53	214719	243.910	ug/l	100
16) Acetone	4.424	43	165611	244.384	ug/l	100
17) Carbon Disulfide	4.695	76	240507	46.996	ug/l	100
18) Methyl Acetate	5.018	43	107105	49.436	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	288810	50.982	ug/l	100
20) Methylene Chloride	5.265	84	96084	46.464	ug/l	100
21) trans-1,2-Dichloroethene	5.771	96	91214	49.992	ug/l	100
22) Diisopropyl ether	6.665	45	290883	49.447	ug/l	100
23) Vinyl Acetate	6.595	43	1058594	260.842	ug/l	100
24) 1,1-Dichloroethane	6.553	63	171385	48.684	ug/l	100
25) 2-Butanone	7.483	43	270539	244.184	ug/l	100
26) 2,2-Dichloropropane	7.483	77	162280	49.367	ug/l	100
27) cis-1,2-Dichloroethene	7.477	96	107332	48.796	ug/l	100
28) Bromochloromethane	7.806	49	64580	48.597	ug/l	100
29) Tetrahydrofuran	7.836	42	175063	254.088	ug/l	100
30) Chloroform	7.959	83	179452	47.921	ug/l	100
31) Cyclohexane	8.253	56	144139	46.504	ug/l	100
32) 1,1,1-Trichloroethane	8.159	97	165474	48.900	ug/l	100
36) 1,1-Dichloropropene	8.365	75	123540	49.822	ug/l	100
37) Ethyl Acetate	7.553	43	109296	48.484	ug/l	100
38) Carbon Tetrachloride	8.353	117	144897	50.624	ug/l	100
39) Methylcyclohexane	9.594	83	137583	53.395	ug/l	100
40) Benzene	8.600	78	386616	49.297	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085006.D
Acq On : 22 Nov 2024 11:46
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Nov 23 01:58:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	62534	50.102	ug/l		100
42) 1,2-Dichloroethane	8.665	62	130440	48.616	ug/l		100
43) Isopropyl Acetate	8.683	43	204483	43.670	ug/l		100
44) Trichloroethene	9.347	130	88746	48.692	ug/l		100
45) 1,2-Dichloropropane	9.618	63	94677	49.013	ug/l		100
46) Dibromomethane	9.706	93	66370	49.447	ug/l		100
47) Bromodichloromethane	9.883	83	141808	49.849	ug/l		100
48) Methyl methacrylate	9.677	41	89202	51.193	ug/l		100
49) 1,4-Dioxane	9.694	88	31557	1044.331	ug/l		100
51) 4-Methyl-2-Pentanone	10.441	43	551484	257.854	ug/l		100
52) Toluene	10.624	92	240730	51.850	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	148995	52.241	ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	156342	51.671	ug/l		100
55) 1,1,2-Trichloroethane	11.012	97	87334	50.501	ug/l		100
56) Ethyl methacrylate	10.871	69	140546	55.617	ug/l		100
57) 1,3-Dichloropropane	11.159	76	151573	49.800	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	368190	297.030	ug/l		100
59) 2-Hexanone	11.194	43	424152	265.165	ug/l		100
60) Dibromochloromethane	11.359	129	104699	49.538	ug/l		100
61) 1,2-Dibromoethane	11.465	107	89471	49.991	ug/l		100
64) Tetrachloroethene	11.100	164	76257	48.747	ug/l		100
65) Chlorobenzene	11.888	112	252937	48.041	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	92289	49.785	ug/l		100
67) Ethyl Benzene	11.959	91	451491	52.856	ug/l		100
68) m/p-Xylenes	12.071	106	342033	105.174	ug/l		100
69) o-Xylene	12.394	106	164137	53.059	ug/l		100
70) Styrene	12.406	104	277349	53.912	ug/l		100
71) Bromoform	12.576	173	71858	52.221	ug/l	#	100
73) Isopropylbenzene	12.694	105	415716	51.479	ug/l		100
74) N-amyl acetate	12.494	43	177685	53.396	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	126215	45.771	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	168352	78.620	ug/l		47
77) Bromobenzene	12.976	156	105184	48.402	ug/l		100
78) n-propylbenzene	13.035	91	484892	52.059	ug/l		100
79) 2-Chlorotoluene	13.124	91	305747	49.174	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	360125	53.145	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	46724	50.990	ug/l		100
82) 4-Chlorotoluene	13.218	91	317569	49.063	ug/l		100
83) tert-Butylbenzene	13.435	119	301180	51.657	ug/l		100
84) 1,2,4-Trimethylbenzene	13.476	105	371046	53.195	ug/l		100
85) sec-Butylbenzene	13.612	105	419761	53.296	ug/l		100
86) p-Isopropyltoluene	13.723	119	353974	54.443	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	196552	45.855	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	201469	46.058	ug/l		100
89) n-Butylbenzene	14.053	91	305730	50.564	ug/l		100
90) Hexachloroethane	14.329	117	69444	49.001	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	193123	47.019	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.718	75	25059	46.995	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	103265	46.278	ug/l		100
94) Hexachlorobutadiene	15.500	225	46186	44.848	ug/l		100
95) Naphthalene	15.641	128	324523	51.063	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	102772	48.269	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085006.D
Acq On : 22 Nov 2024 11:46
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Nov 23 01:58:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

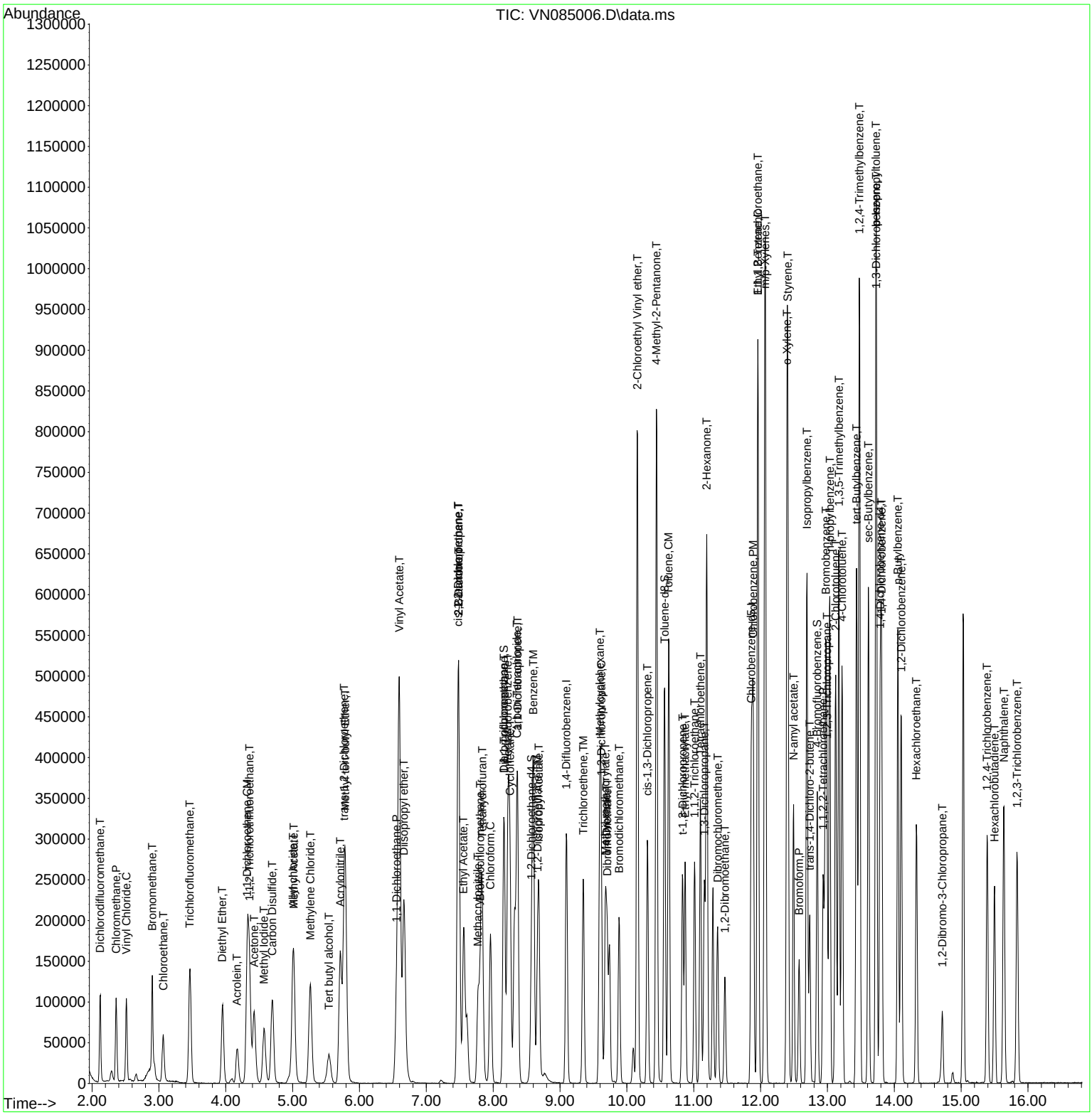
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

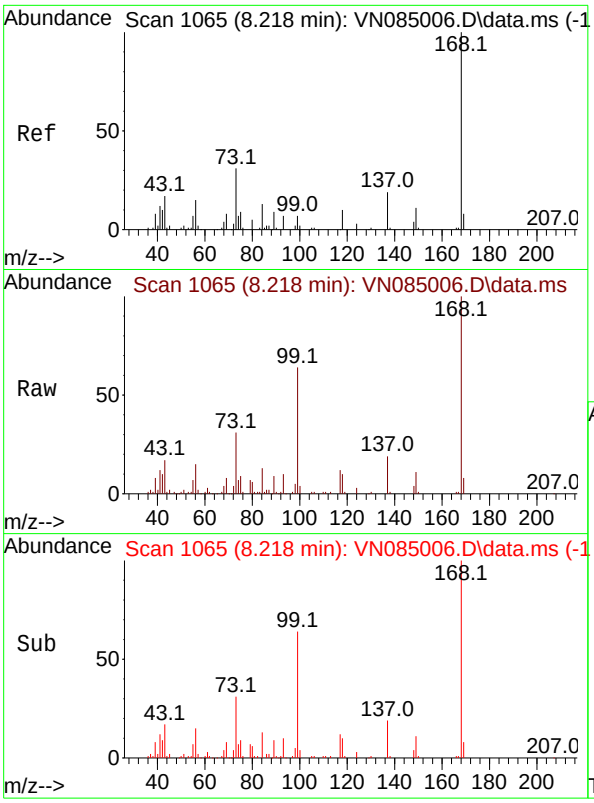
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085006.D
Acq On : 22 Nov 2024 11:46
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Nov 23 01:58:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration



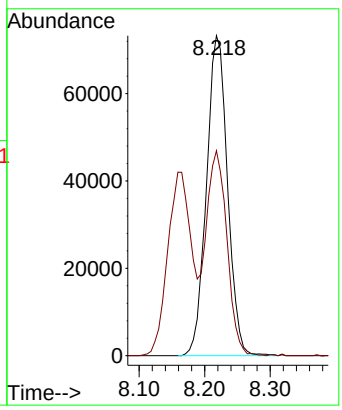


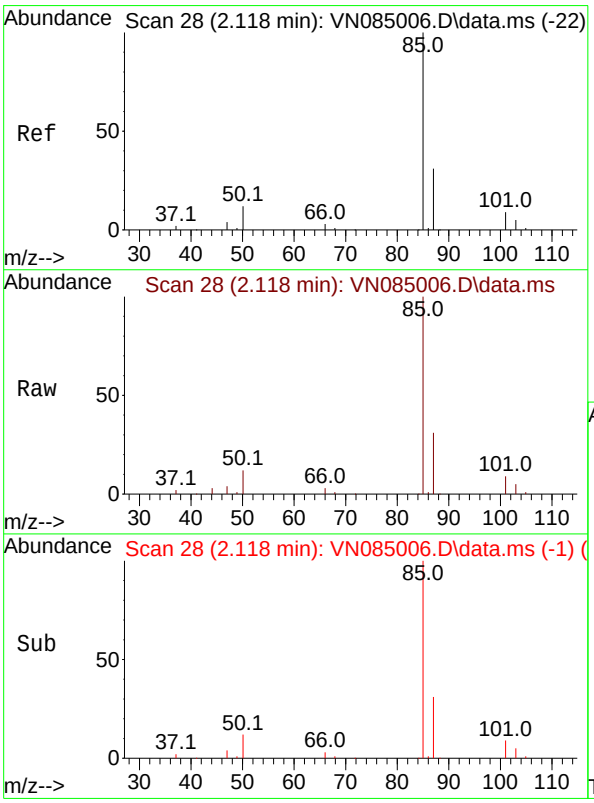
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 163353

Ion	Ratio	Lower	Upper
168	100		
99	64.0	51.2	76.8

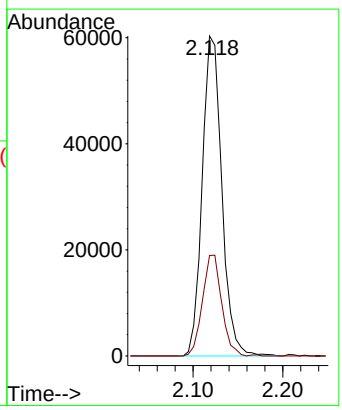


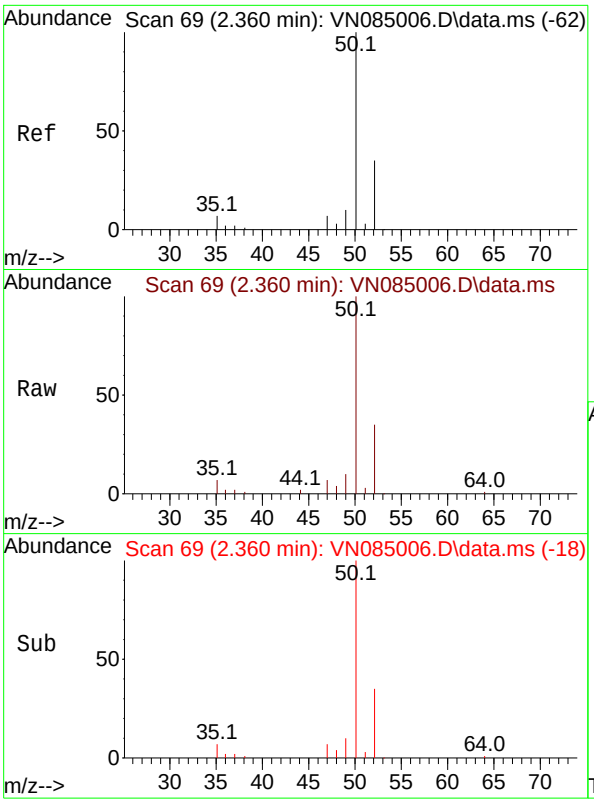


#2
Dichlorodifluoromethane
Concen: 49.512 ug/l
RT: 2.118 min Scan# 28
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 85 Resp: 91455

Ion	Ratio	Lower	Upper
85	100		
87	31.4	15.7	47.1



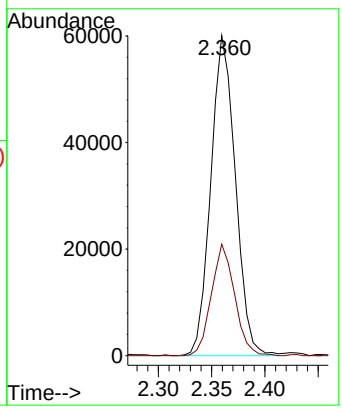


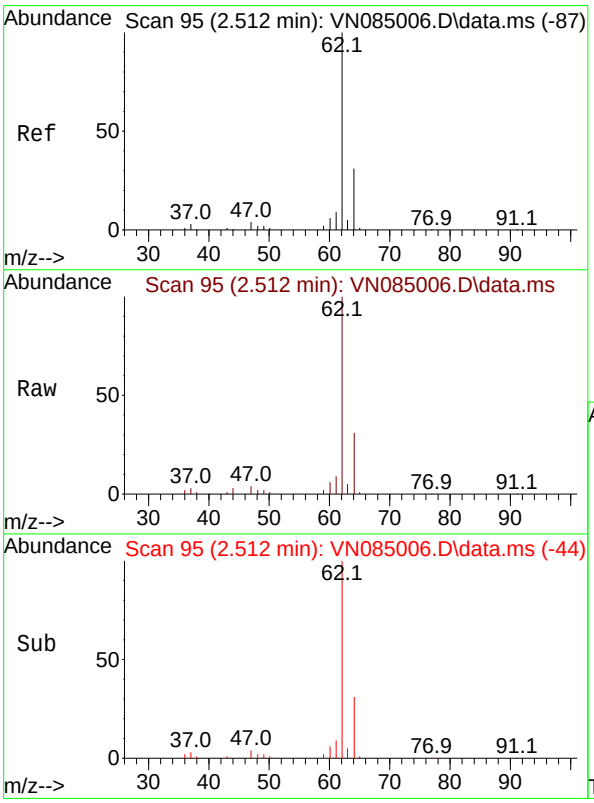
#3
Chloromethane
Concen: 45.027 ug/l
RT: 2.360 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 96463

Ion	Ratio	Lower	Upper
50	100		
52	34.8	27.8	41.8

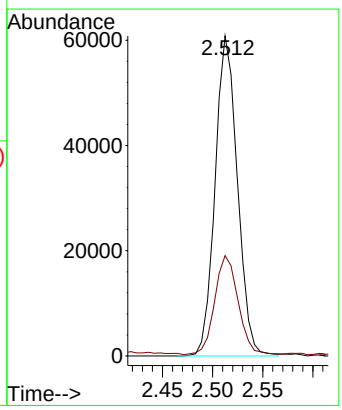


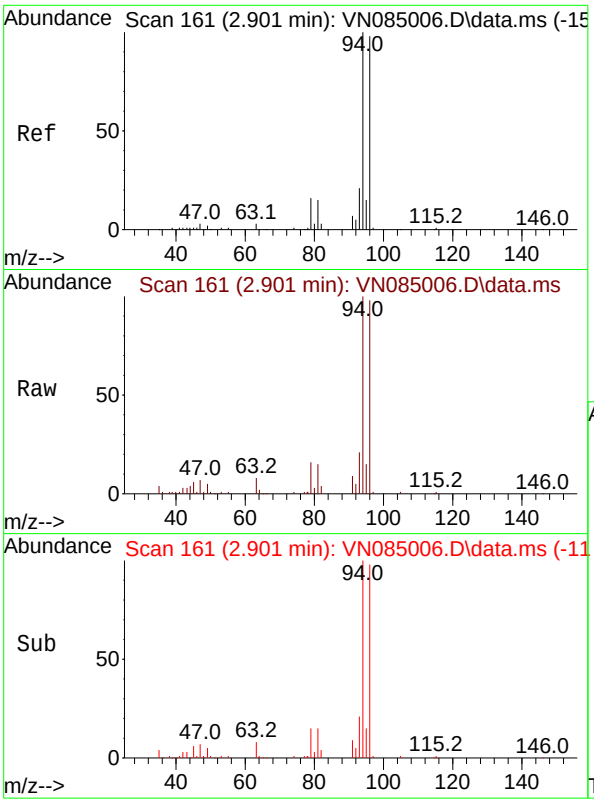


#4
Vinyl Chloride
Concen: 48.804 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 62 Resp: 93960

Ion	Ratio	Lower	Upper
62	100		
64	30.7	24.6	36.8



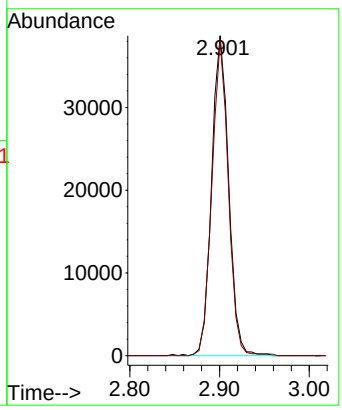


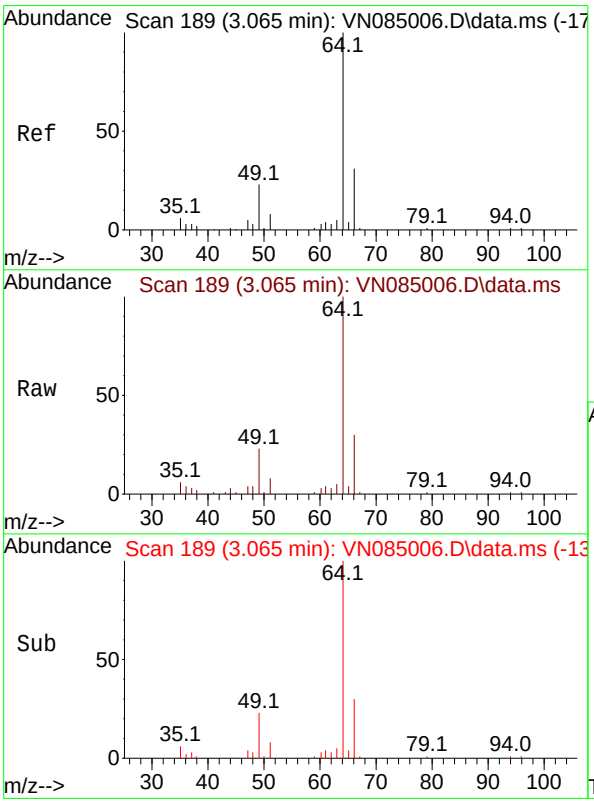
#5
Bromomethane
Concen: 47.102 ug/l
RT: 2.901 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 50828

Ion	Ratio	Lower	Upper
94	100		
96	98.4	78.7	118.1

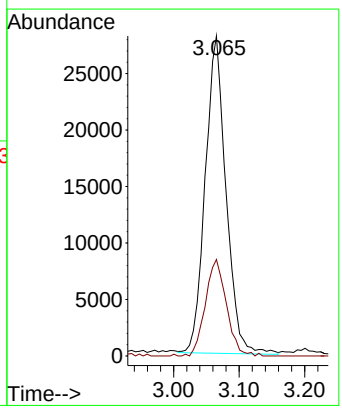


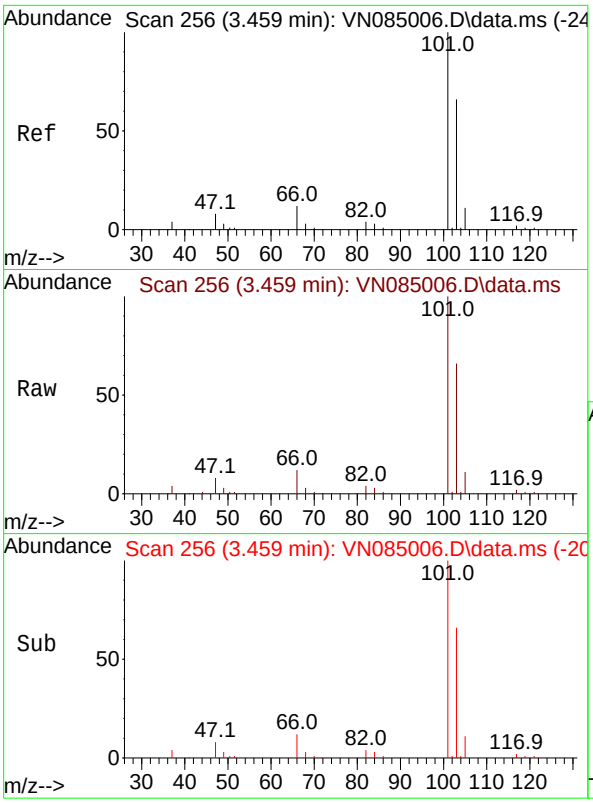


#6
Chloroethane
Concen: 47.657 ug/l
RT: 3.065 min Scan# 189
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 64 Resp: 61844

Ion	Ratio	Lower	Upper
64	100		
66	30.5	24.4	36.6



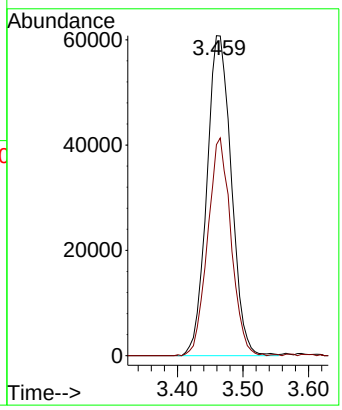


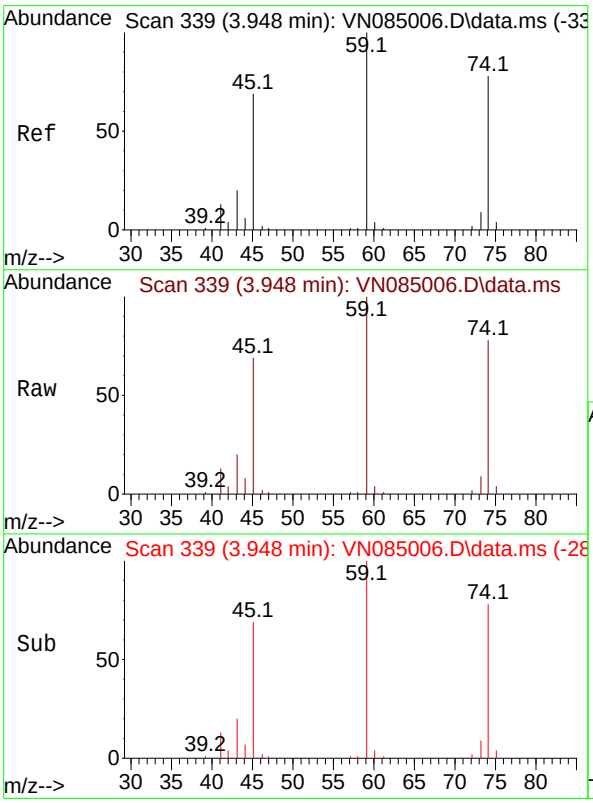
#7
Trichlorofluoromethane
Concen: 48.134 ug/l
RT: 3.459 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 157642

Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.6	78.8

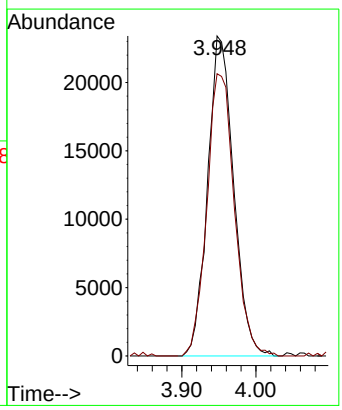


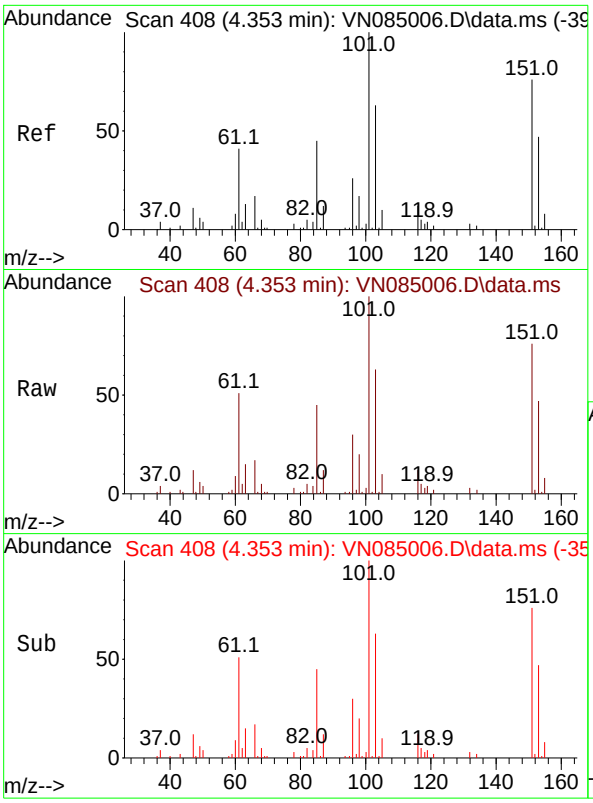


#8
Diethyl Ether
Concen: 51.145 ug/l
RT: 3.948 min Scan# 339
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 74 Resp: 57011

Ion	Ratio	Lower	Upper
74	100		
45	93.4	46.7	140.1



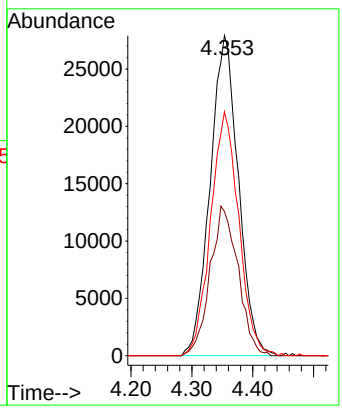


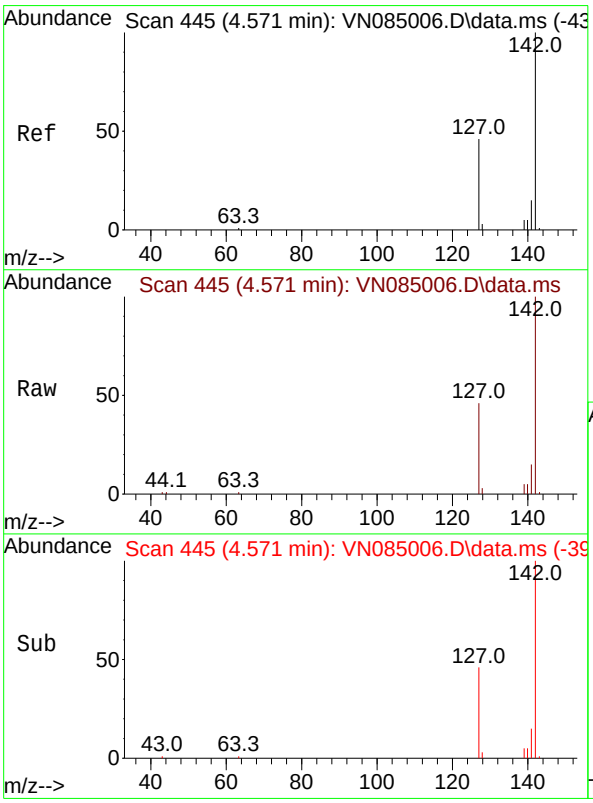
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.495 ug/l
RT: 4.353 min Scan# 4(
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 90080

Ion	Ratio	Lower	Upper
101	100		
85	46.1	36.9	55.3
151	76.0	60.8	91.2

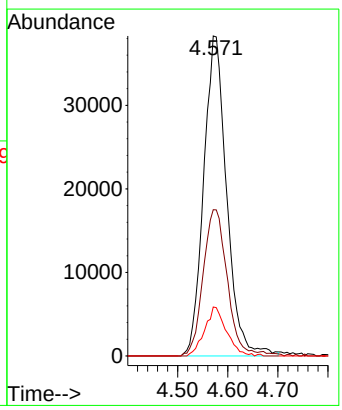


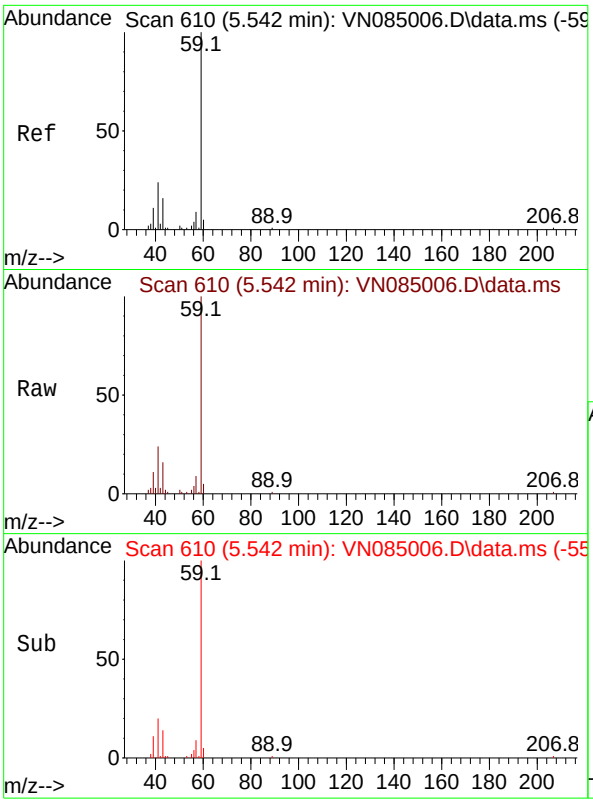


#10
Methyl Iodide
Concen: 49.653 ug/l
RT: 4.571 min Scan# 445
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:142 Resp: 122086

Ion	Ratio	Lower	Upper
142	100		
127	45.7	36.6	54.8
141	15.3	12.2	18.4



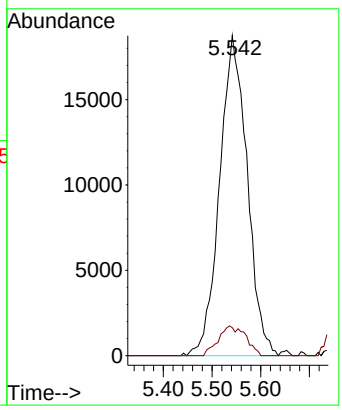


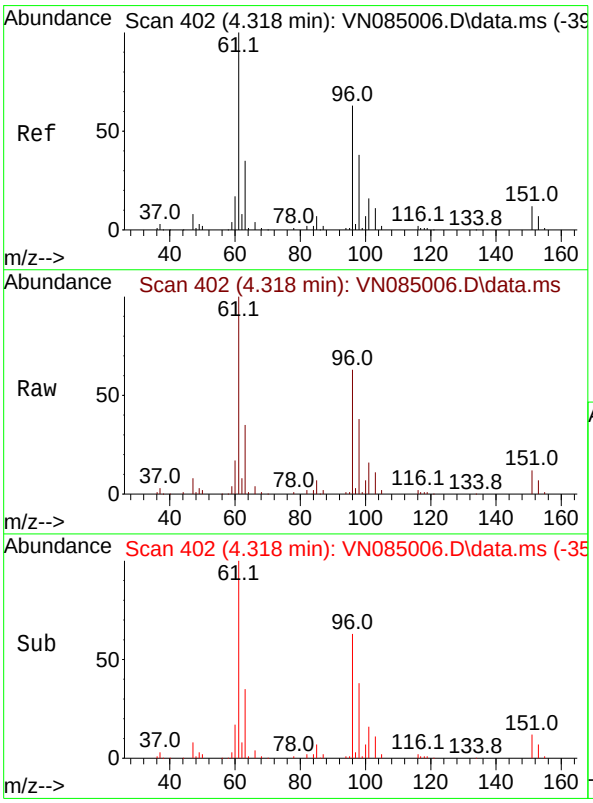
#11
Tert butyl alcohol
Concen: 237.049 ug/l
RT: 5.542 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 73708

Ion	Ratio	Lower	Upper
59	100		
57	9.2	7.4	11.0

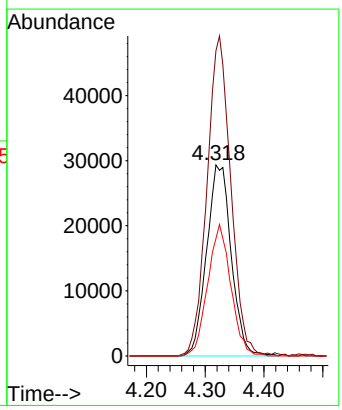


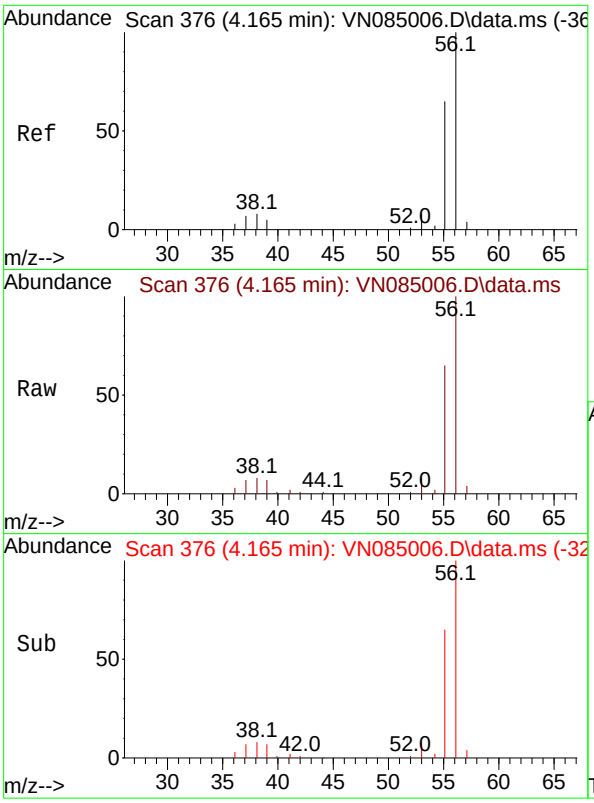


#12
1,1-Dichloroethene
Concen: 49.324 ug/l
RT: 4.318 min Scan# 402
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 96 Resp: 85520

Ion	Ratio	Lower	Upper
96	100		
61	159.8	127.8	191.8
98	61.5	49.2	73.8



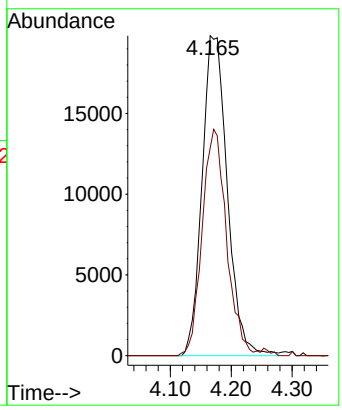


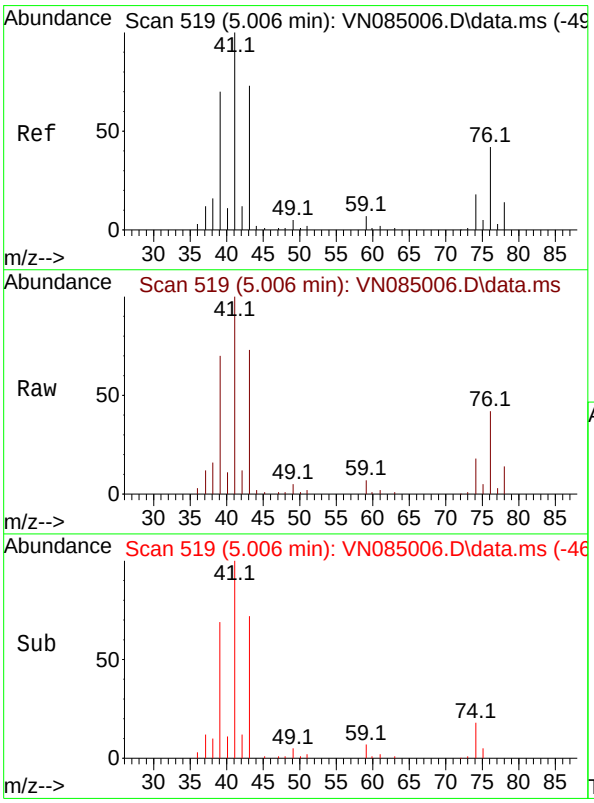
#13
Acrolein
Concen: 275.201 ug/l
RT: 4.165 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 57099

Ion	Ratio	Lower	Upper
56	100		
55	68.1	54.5	81.7

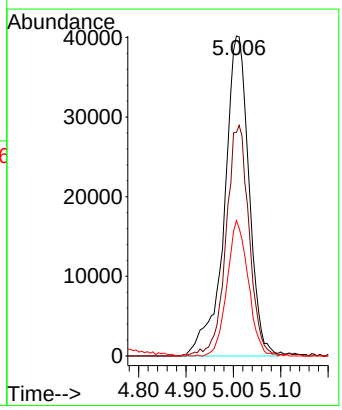


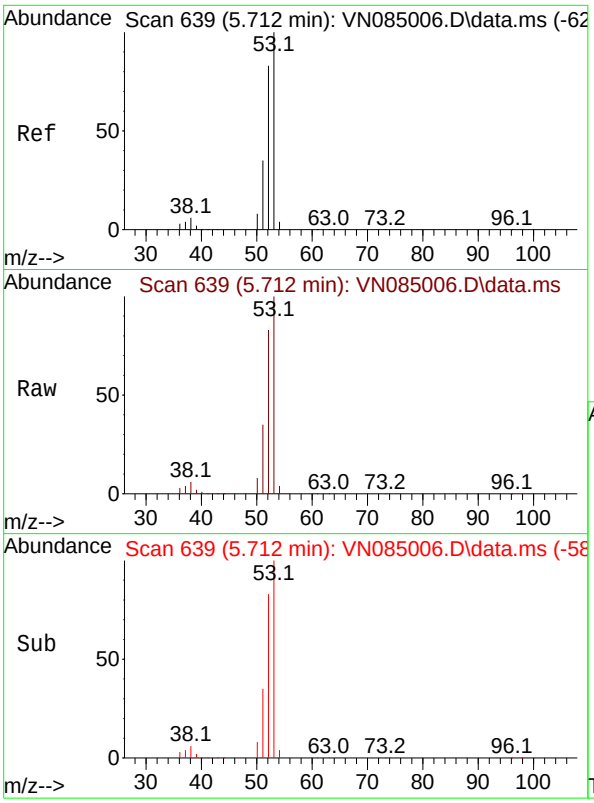


#14
Allyl chloride
Concen: 49.531 ug/l
RT: 5.006 min Scan# 519
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 41 Resp: 144773

Ion	Ratio	Lower	Upper
41	100		
39	67.3	53.8	80.8
76	36.6	29.3	43.9



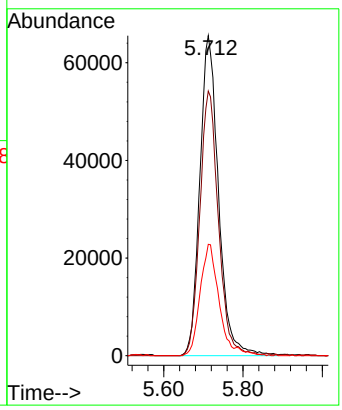


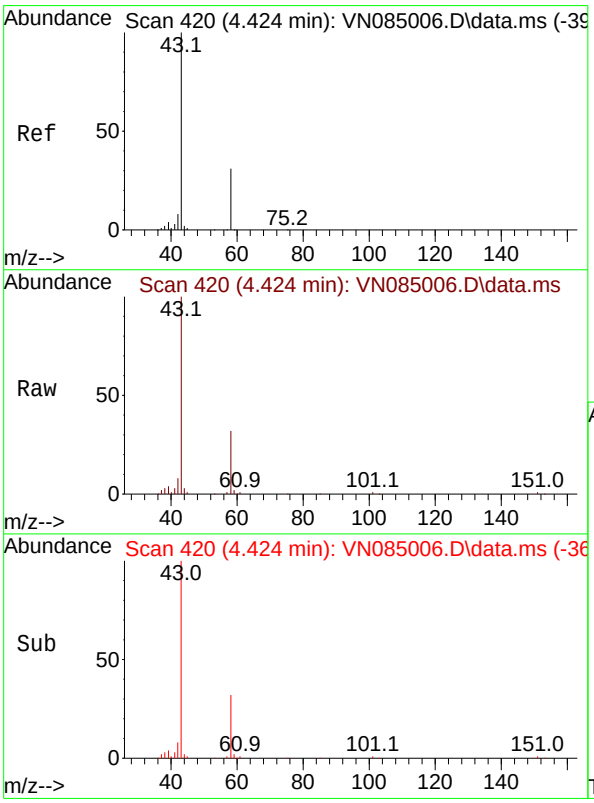
#15
Acrylonitrile
Concen: 243.910 ug/l
RT: 5.712 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 214719

Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.5	98.3
51	35.5	28.4	42.6

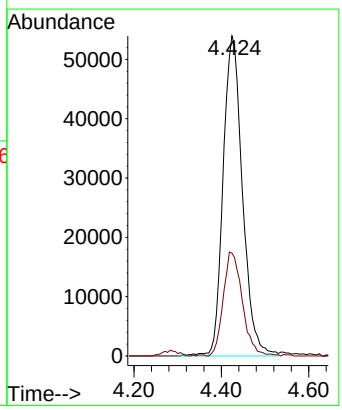


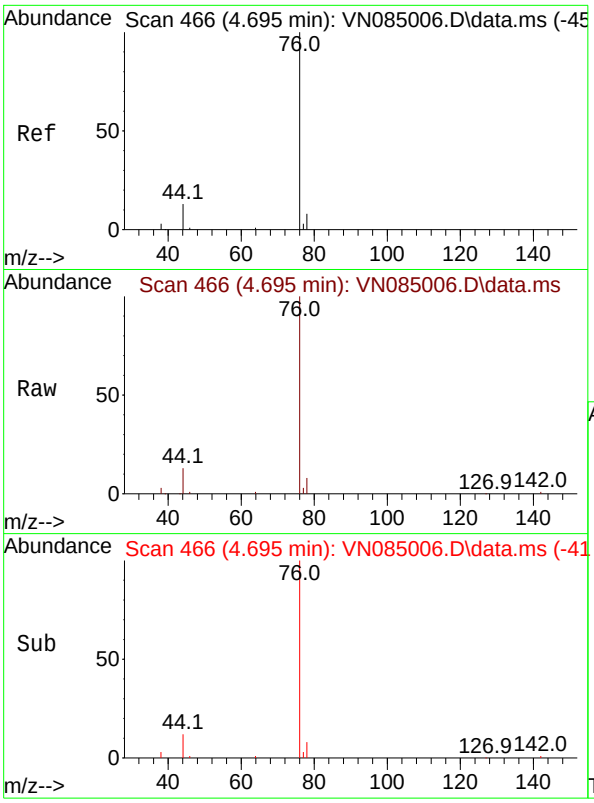


#16
Acetone
Concen: 244.384 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 43 Resp: 165611

Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.4	38.2



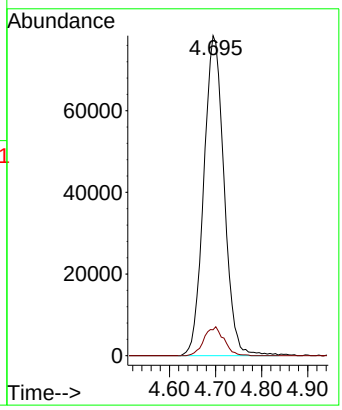


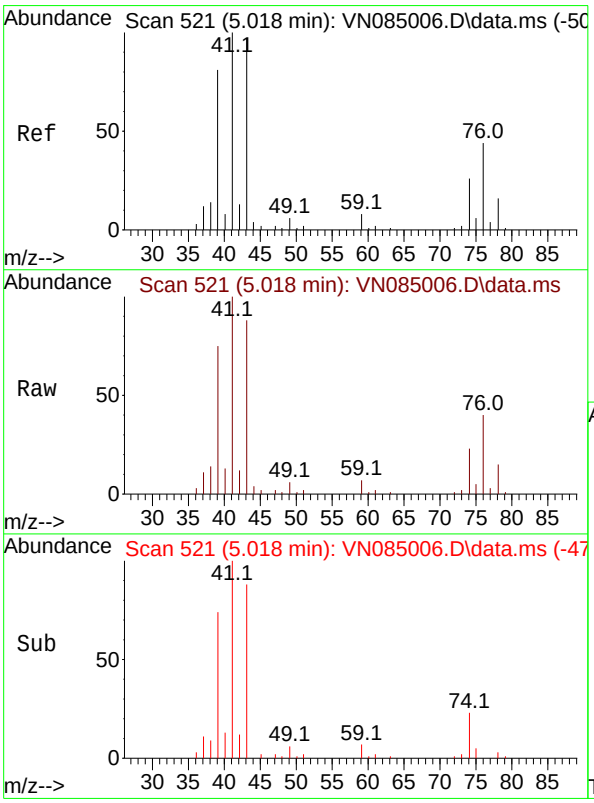
#17
Carbon Disulfide
Concen: 46.996 ug/l
RT: 4.695 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 240507

Ion	Ratio	Lower	Upper
76	100		
78	8.1	6.5	9.7

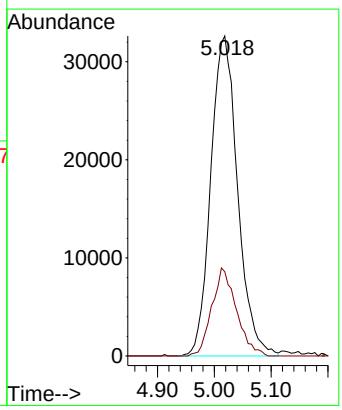


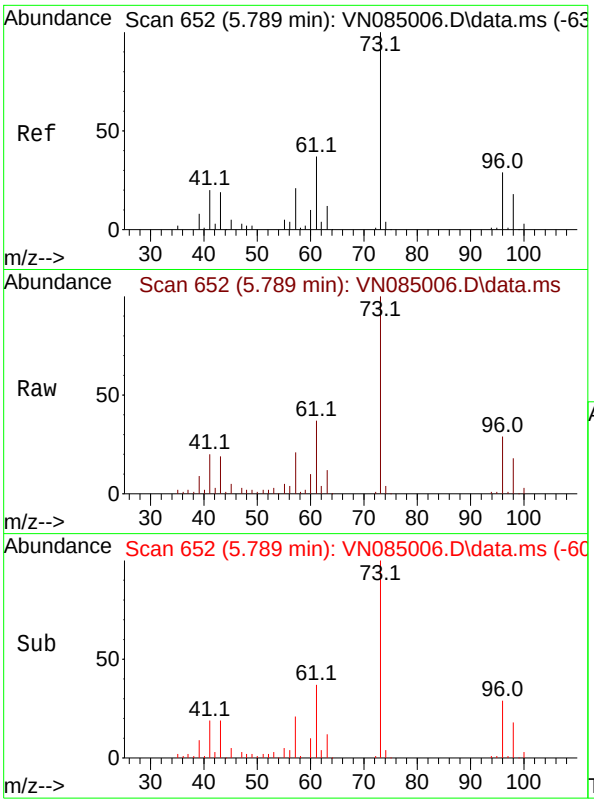


#18
Methyl Acetate
Concen: 49.436 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 43 Resp: 107105

Ion	Ratio	Lower	Upper
43	100		
74	25.1	20.1	30.1



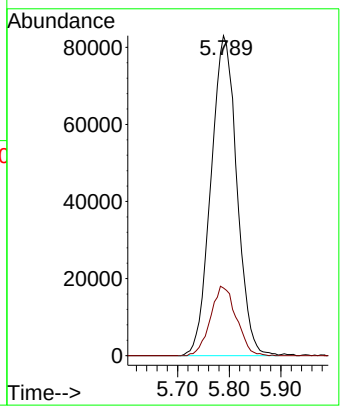


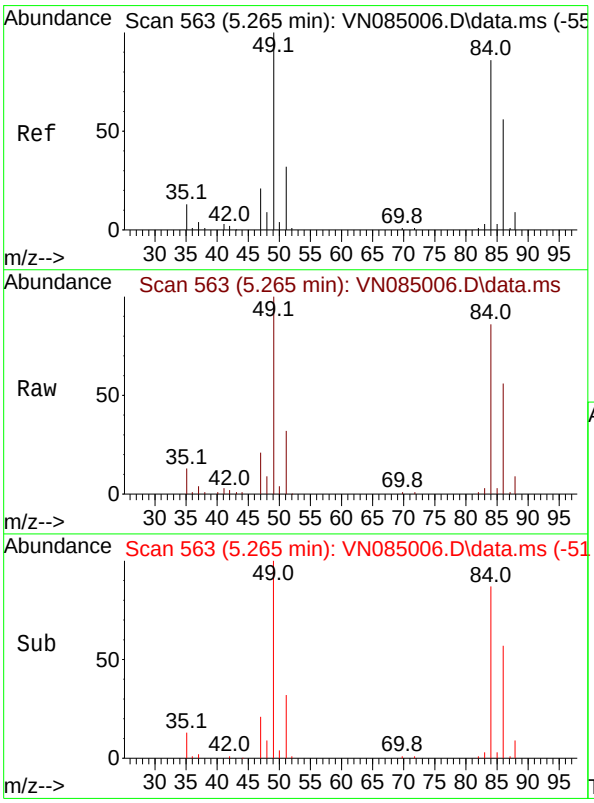
#19
Methyl tert-butyl Ether
Concen: 50.982 ug/l
RT: 5.789 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 288810

Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.0	25.4

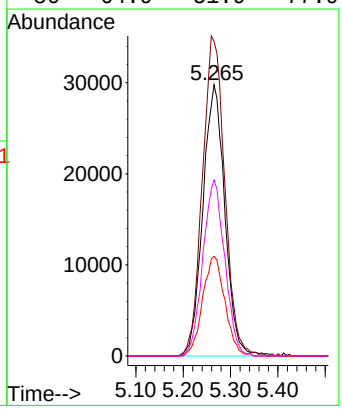


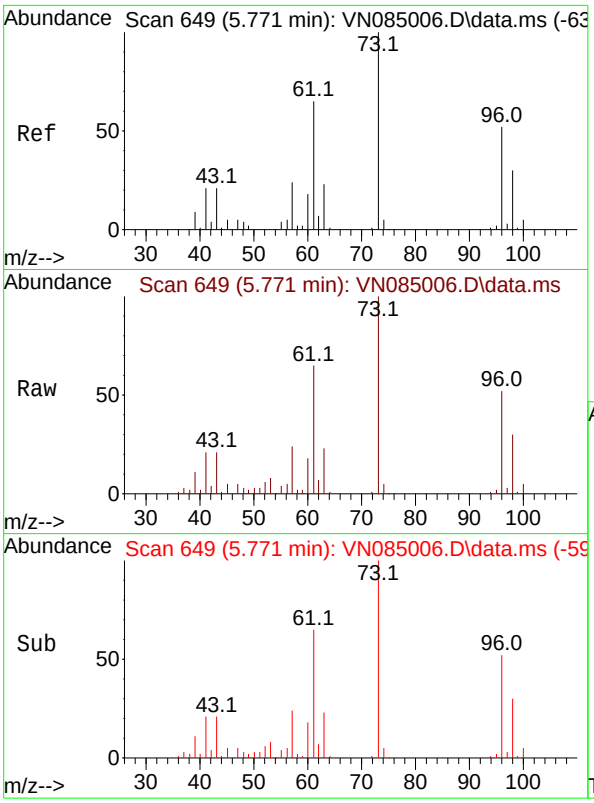


#20
Methylene Chloride
Concen: 46.464 ug/l
RT: 5.265 min Scan# 563
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 84 Resp: 96084

Ion	Ratio	Lower	Upper
84	100		
49	115.9	92.7	139.1
51	36.8	29.4	44.2
86	64.9	51.9	77.9



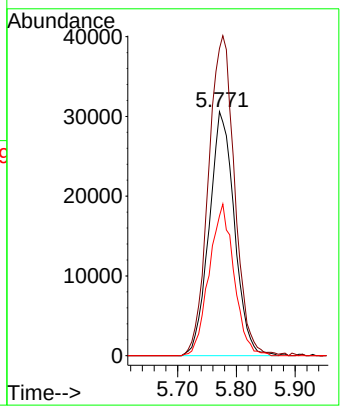


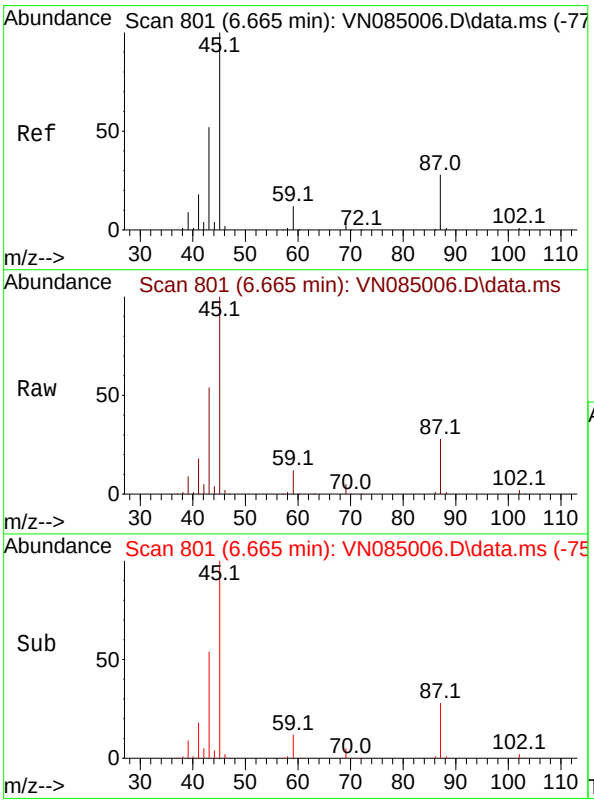
#21
trans-1,2-Dichloroethene
Concen: 49.992 ug/l
RT: 5.771 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 91214

Ion	Ratio	Lower	Upper
96	100		
61	125.9	100.7	151.1
98	57.2	45.8	68.6

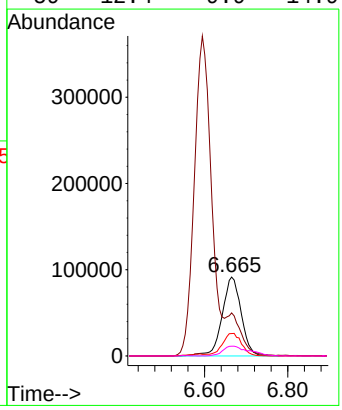


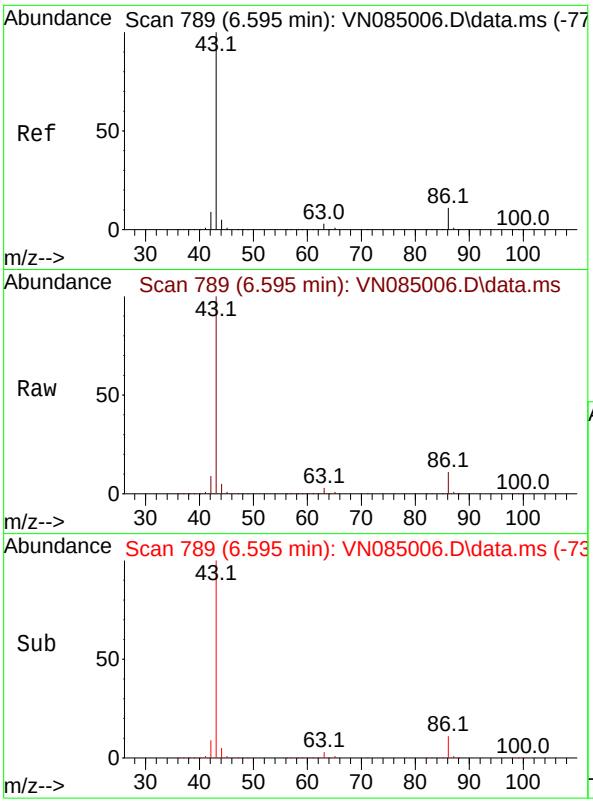


#22
Diisopropyl ether
Concen: 49.447 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 45 Resp: 290883

Ion	Ratio	Lower	Upper
45	100		
43	53.4	42.7	64.1
87	28.3	22.6	34.0
59	12.4	9.9	14.9



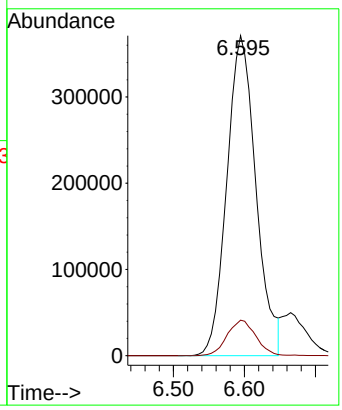


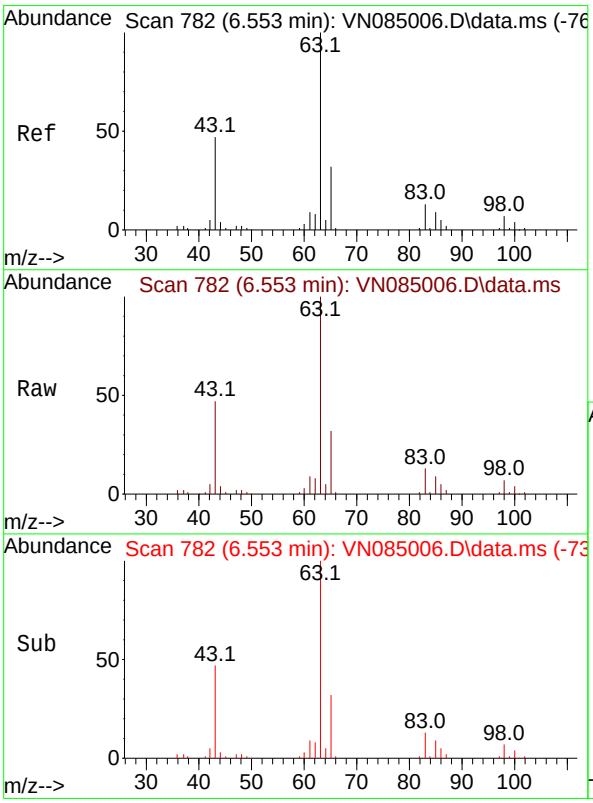
#23
Vinyl Acetate
Concen: 260.842 ug/l
RT: 6.595 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1058594

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.9	13.3

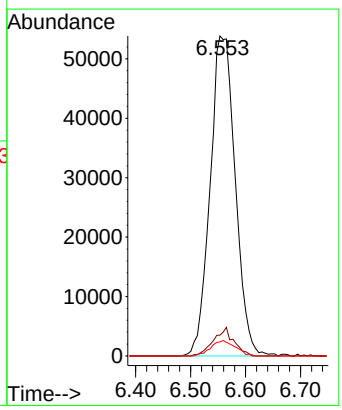


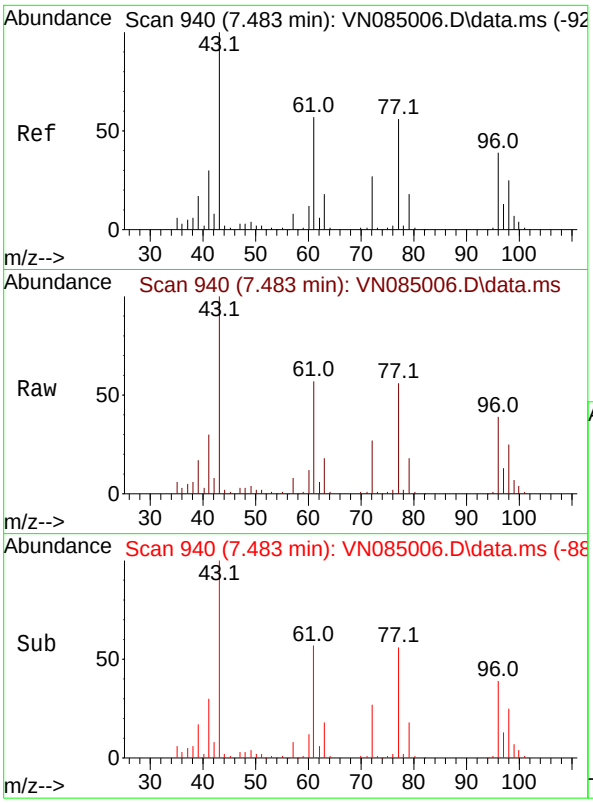


#24
1,1-Dichloroethane
Concen: 48.684 ug/l
RT: 6.553 min Scan# 782
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 63 Resp: 171385

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.3	9.8
100	4.4	2.2	6.6



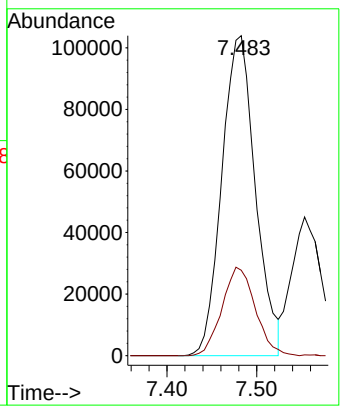


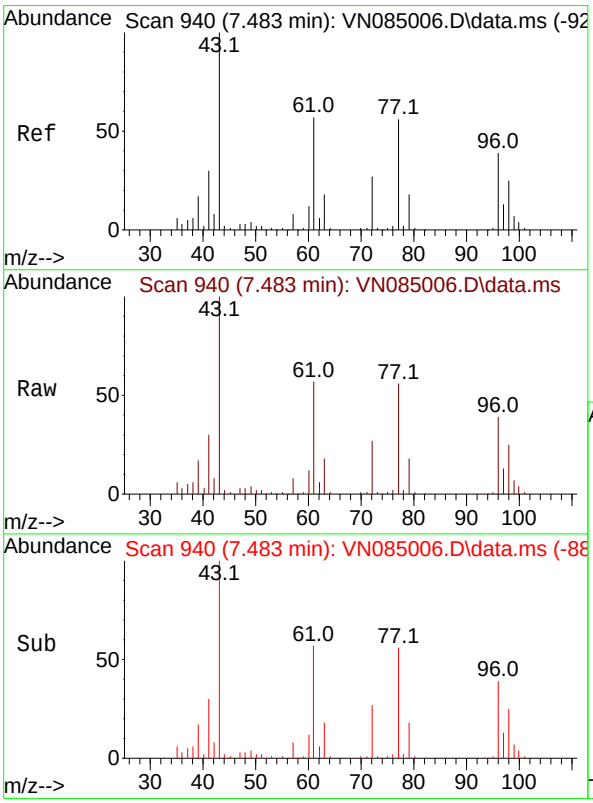
#25
2-Butanone
Concen: 244.184 ug/l
RT: 7.483 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 270539

Ion	Ratio	Lower	Upper
43	100		
72	26.7	21.4	32.0

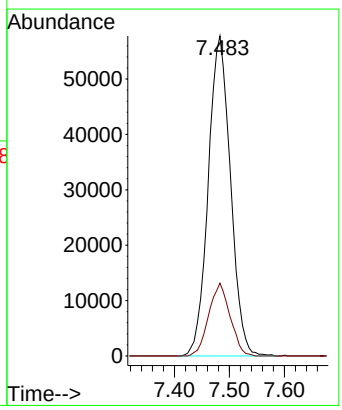


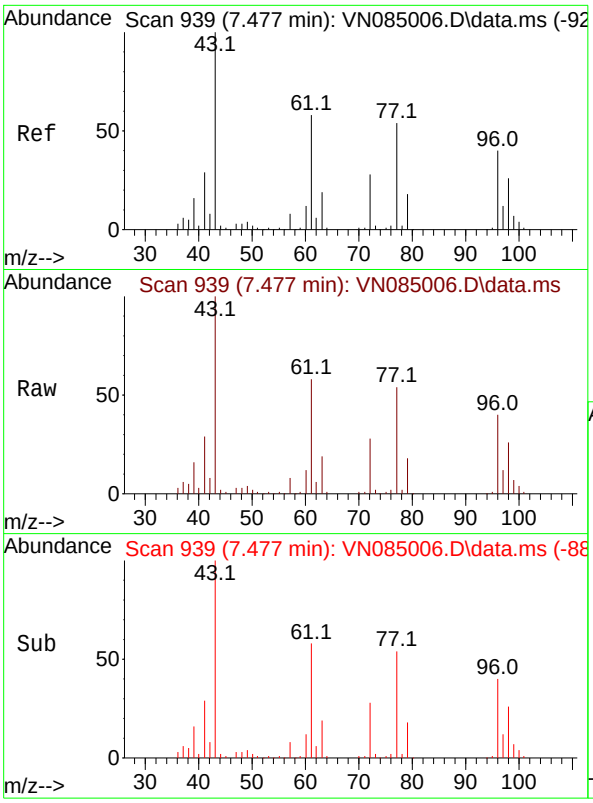


#26
2,2-Dichloropropane
Concen: 49.367 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 77 Resp: 162280

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.9	32.7



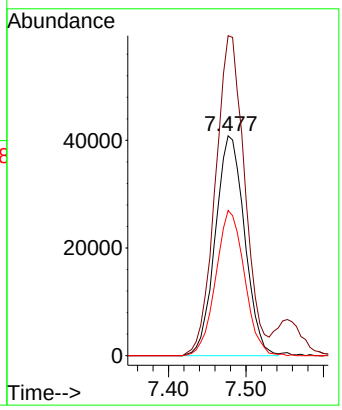


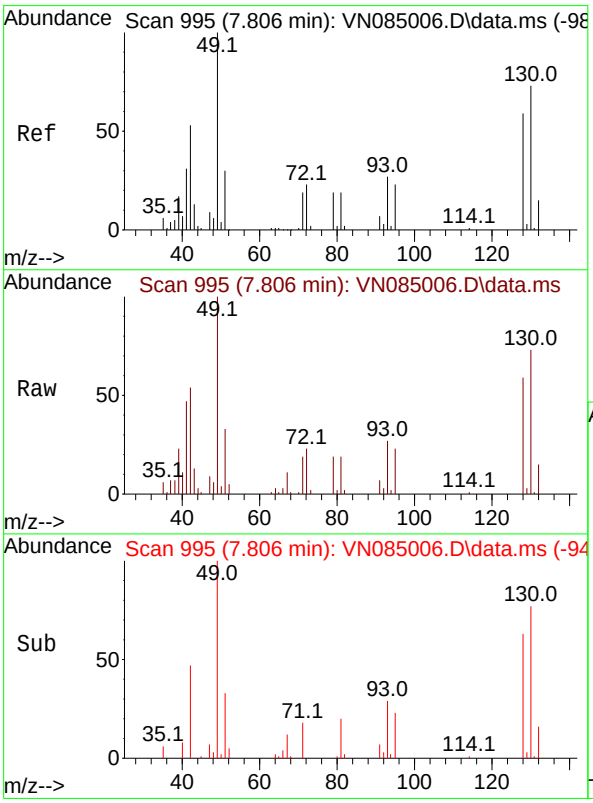
#27
cis-1,2-Dichloroethene
Concen: 48.796 ug/l
RT: 7.477 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 107332

Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	291.6
98	64.9	0.0	129.8

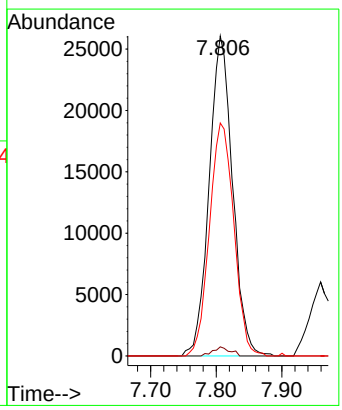


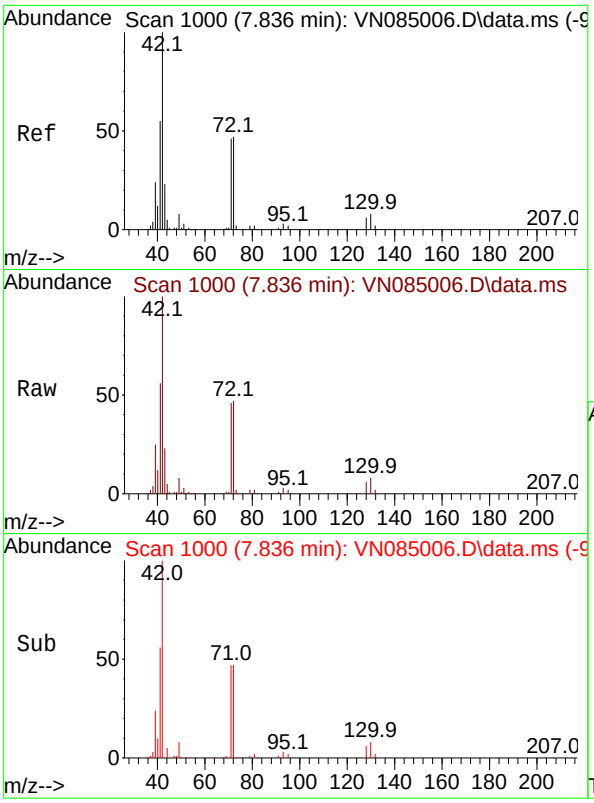


#28
Bromochloromethane
Concen: 48.597 ug/l
RT: 7.806 min Scan# 995
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 49 Resp: 64580

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	75.7	60.6	90.8



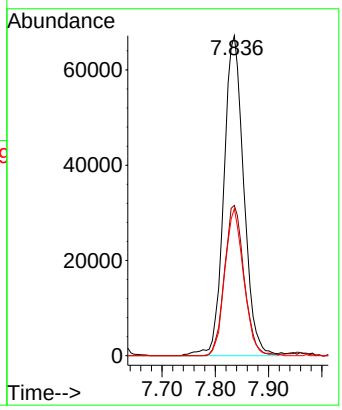


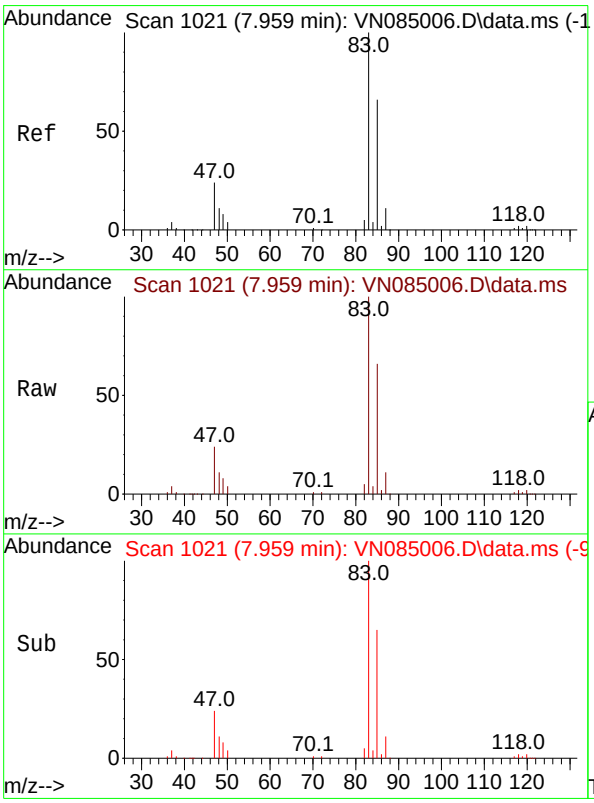
#29
Tetrahydrofuran
Concen: 254.088 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 175063

Ion	Ratio	Lower	Upper
42	100		
72	46.2	37.0	55.4
71	43.7	35.0	52.4

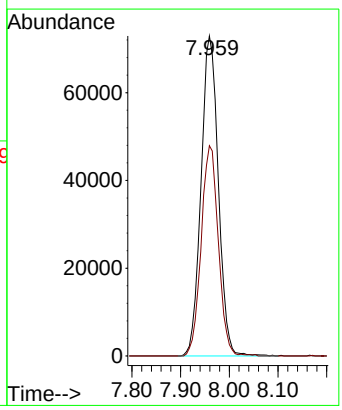


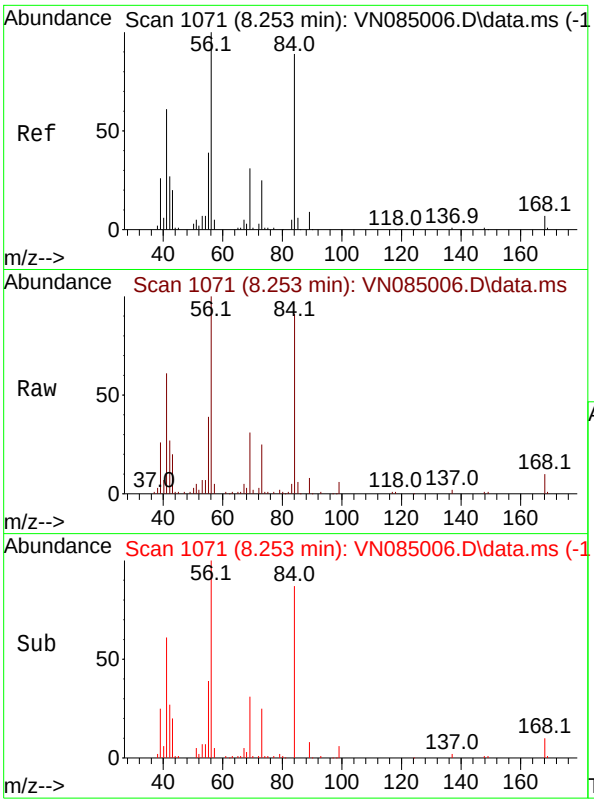


#30
Chloroform
Concen: 47.921 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 83 Resp: 179452

Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.6	78.8



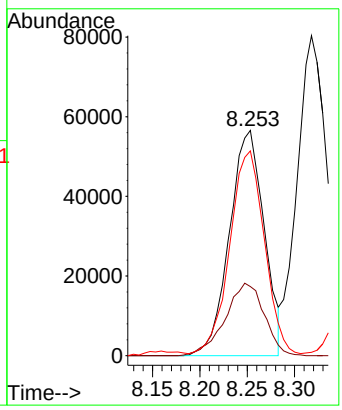


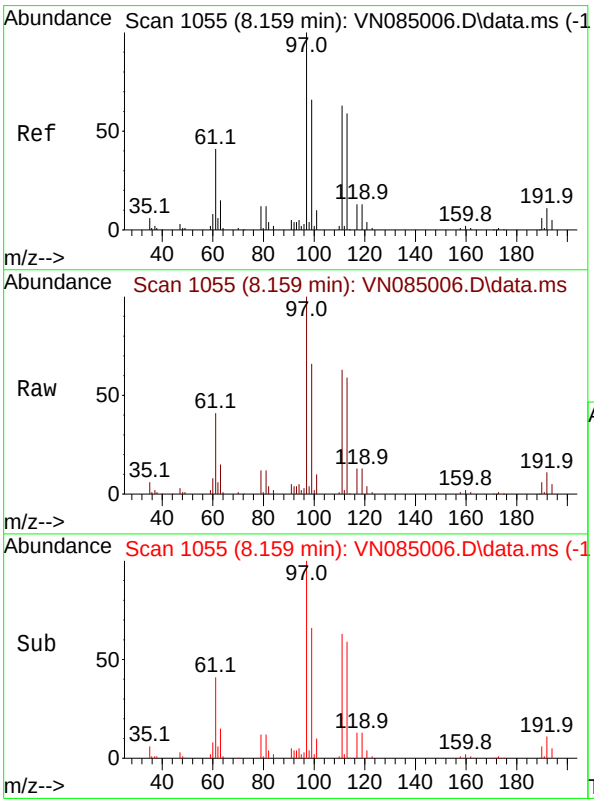
#31
Cyclohexane
Concen: 46.504 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 144139

Ion	Ratio	Lower	Upper
56	100		
69	30.7	24.6	36.8
84	89.3	71.4	107.2

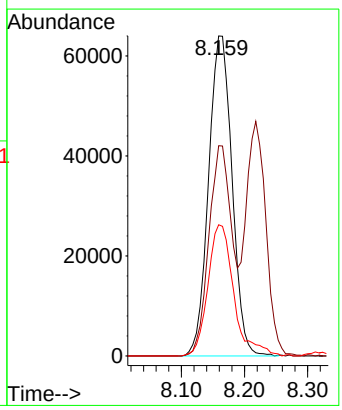


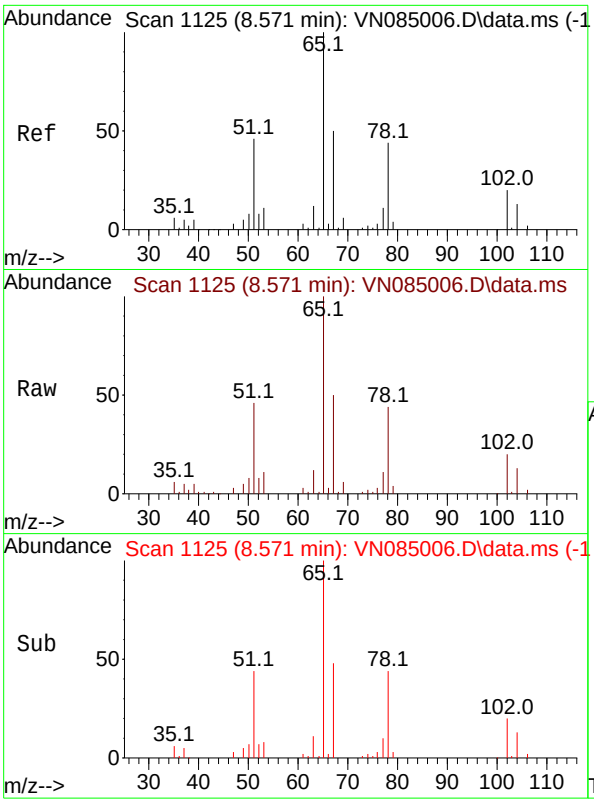


#32
1,1,1-Trichloroethane
Concen: 48.900 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 97 Resp: 165474

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.4
61	45.2	36.2	54.2



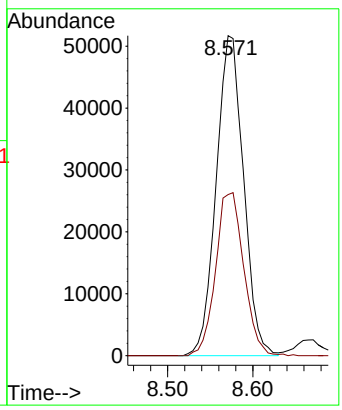


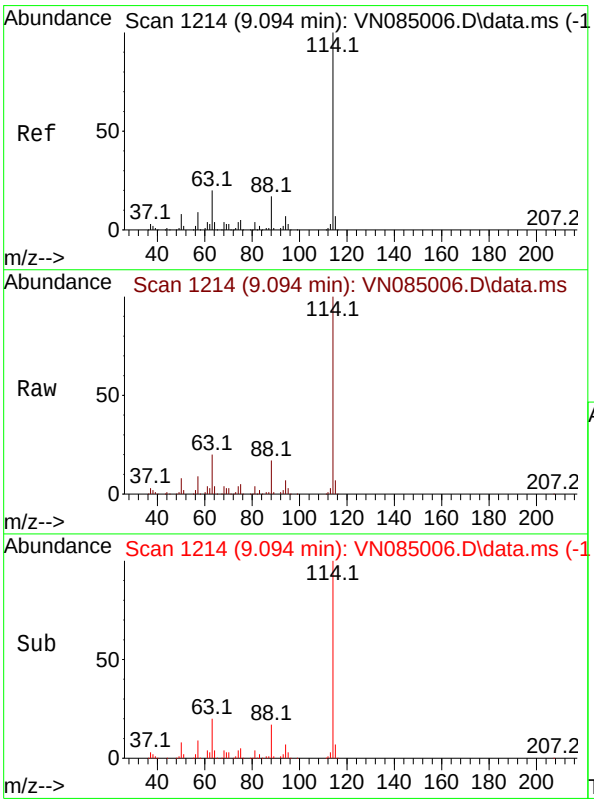
#33
1,2-Dichloroethane-d4
Concen: 49.528 ug/l
RT: 8.571 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 115244

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	105.0

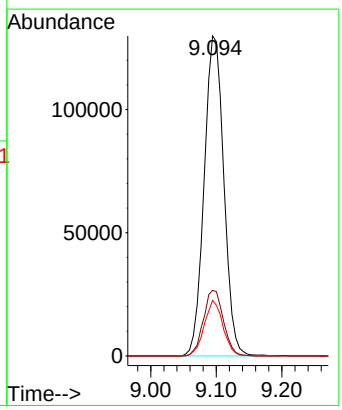


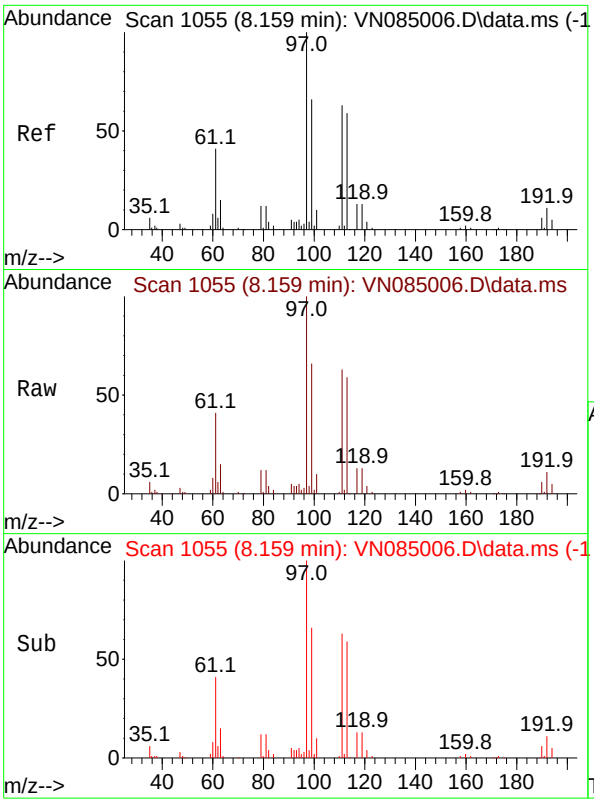


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:114 Resp: 271467

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	41.0
88	17.4	0.0	34.8



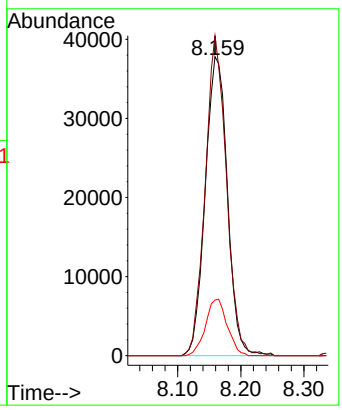


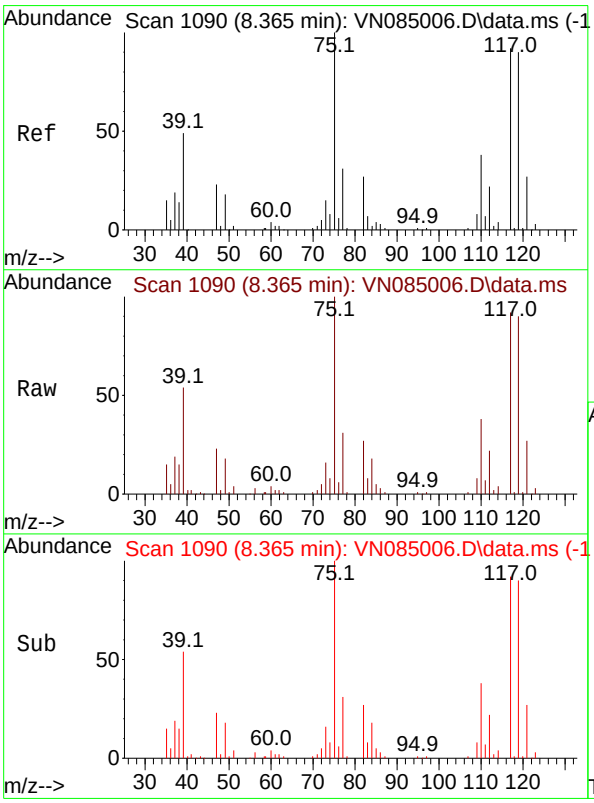
#35
Dibromofluoromethane
Concen: 50.417 ug/l
RT: 8.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 92297

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.0	123.0
192	18.5	14.8	22.2

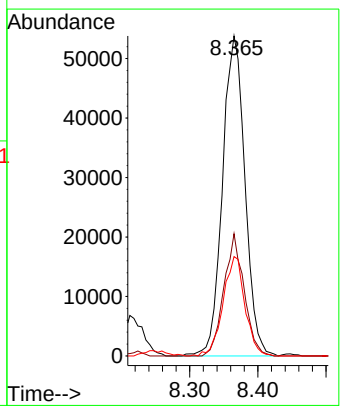


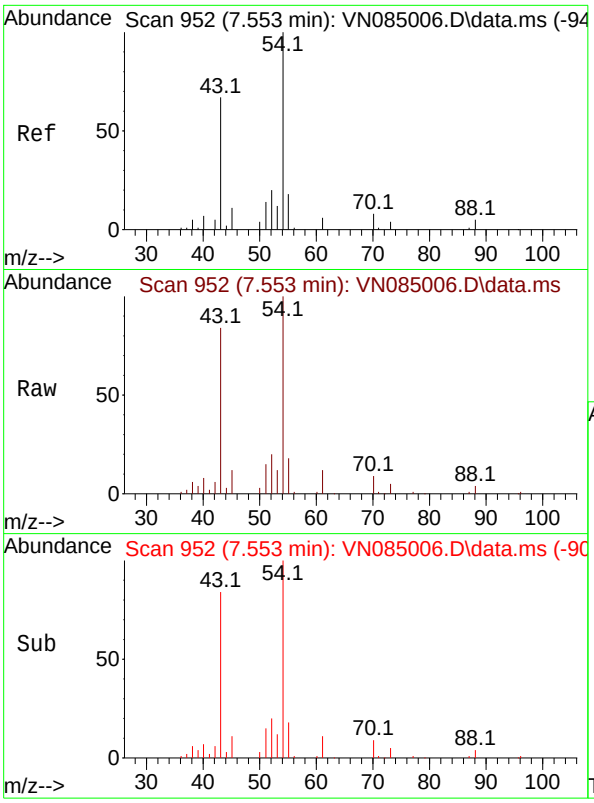


#36
1,1-Dichloropropene
Concen: 49.822 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 75 Resp: 123540

Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.2	51.6
77	30.3	24.2	36.4



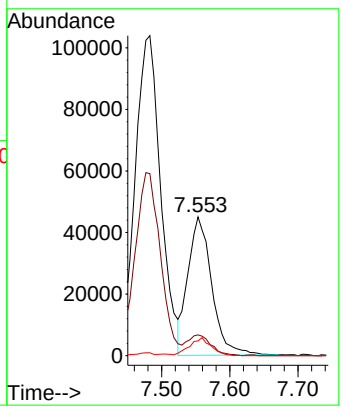


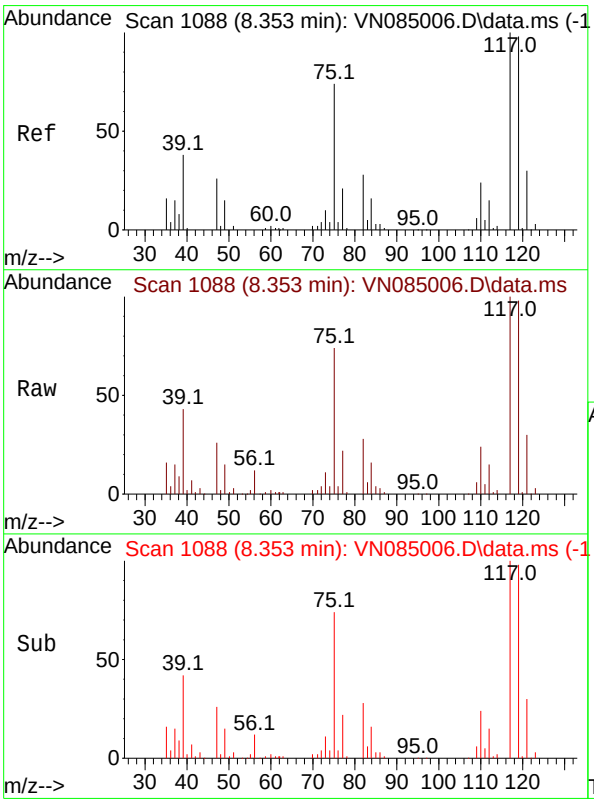
#37
Ethyl Acetate
Concen: 48.484 ug/l
RT: 7.553 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 109296

Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.7	17.5
70	11.6	9.3	13.9

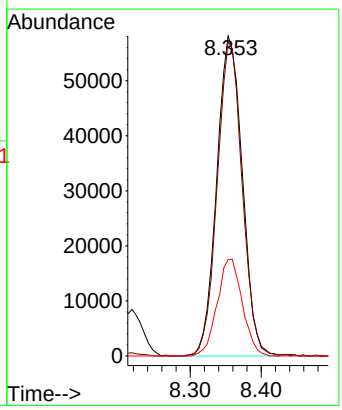


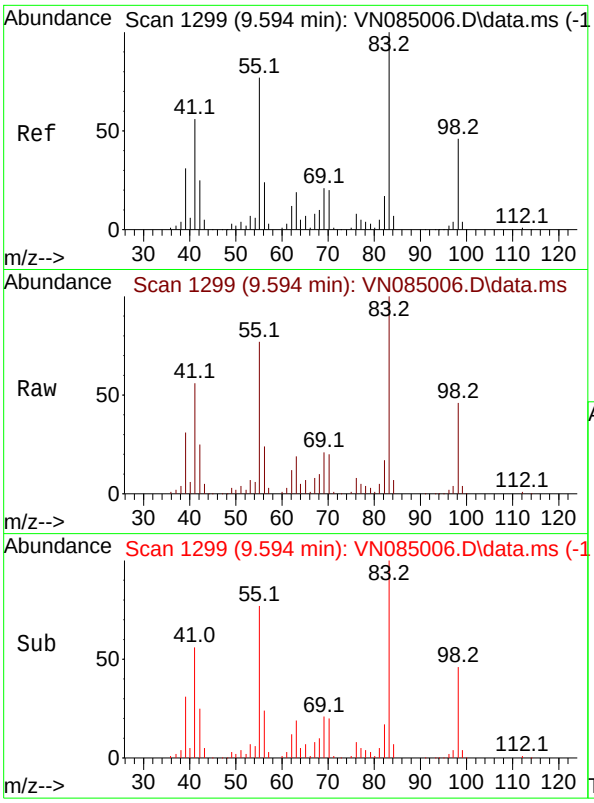


#38
Carbon Tetrachloride
Concen: 50.624 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:117 Resp: 144897

Ion	Ratio	Lower	Upper
117	100		
119	98.2	78.6	117.8
121	30.2	24.2	36.2



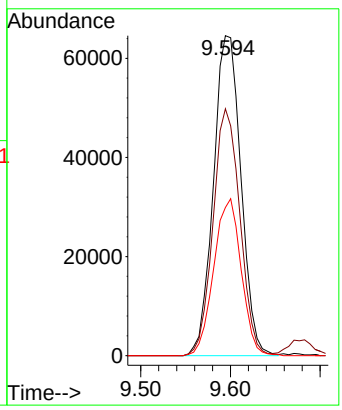


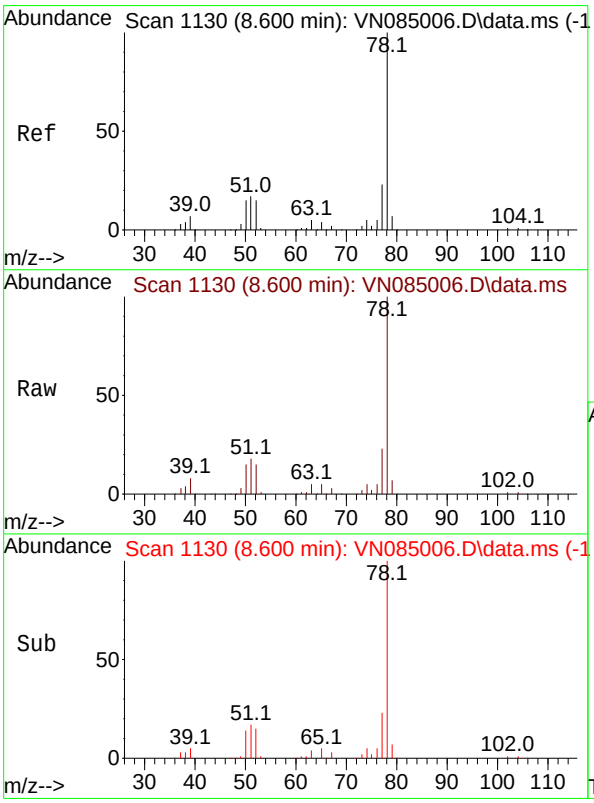
#39
Methylcyclohexane
Concen: 53.395 ug/l
RT: 9.594 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 137583

Ion	Ratio	Lower	Upper
83	100		
55	77.2	61.8	92.6
98	46.3	37.0	55.6

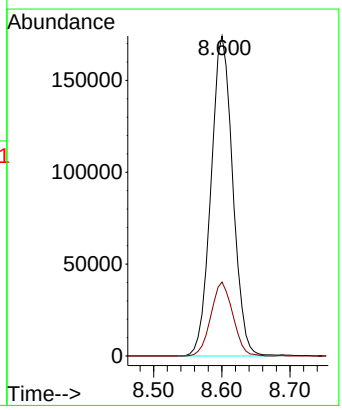


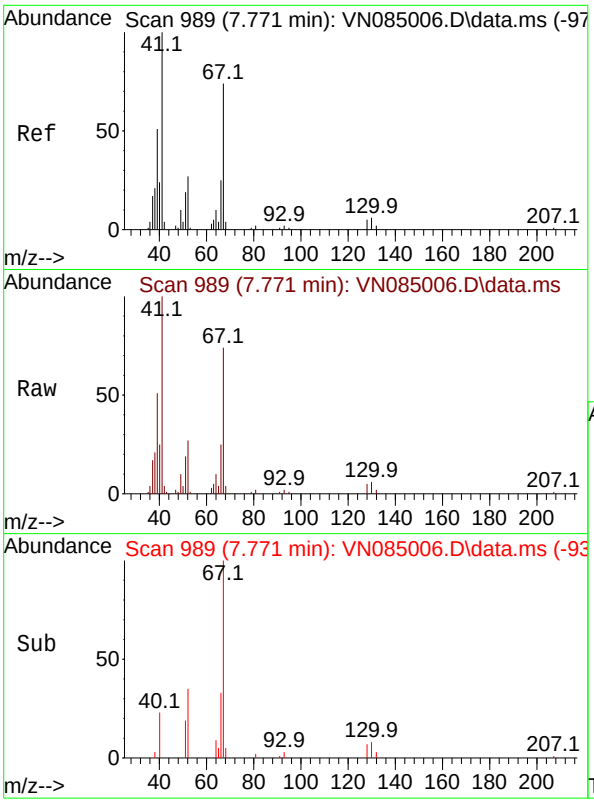


#40
Benzene
Concen: 49.297 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 78 Resp: 386616

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.5	27.7



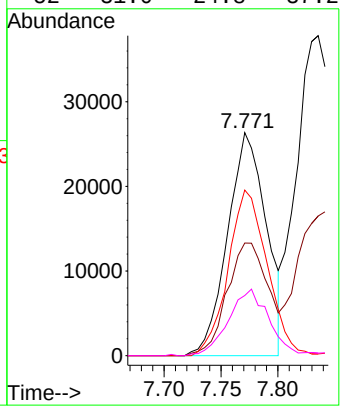


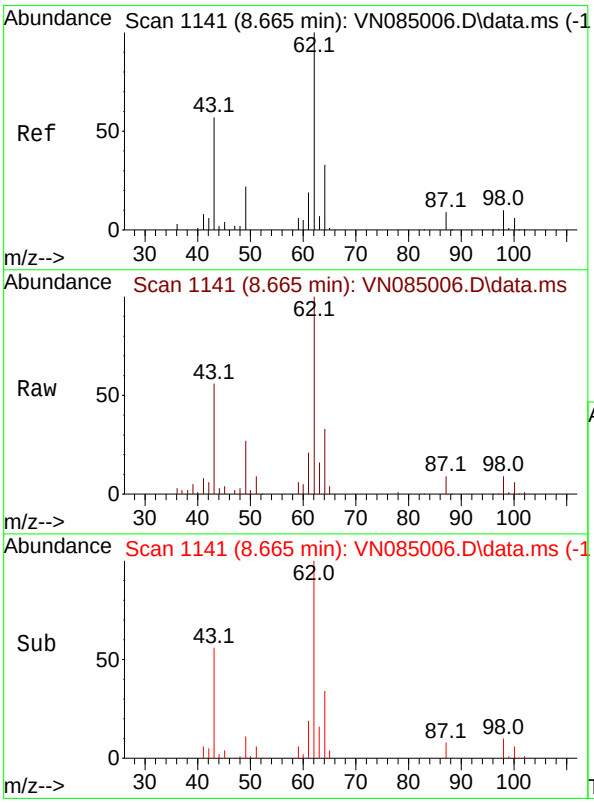
#41
Methacrylonitrile
Concen: 50.102 ug/l
RT: 7.771 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 62534

Ion	Ratio	Lower	Upper
41	100		
39	53.2	42.6	63.8
67	74.9	59.9	89.9
52	31.0	24.8	37.2

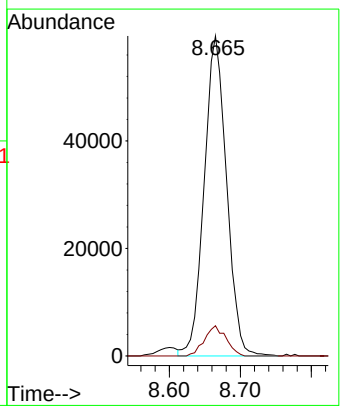


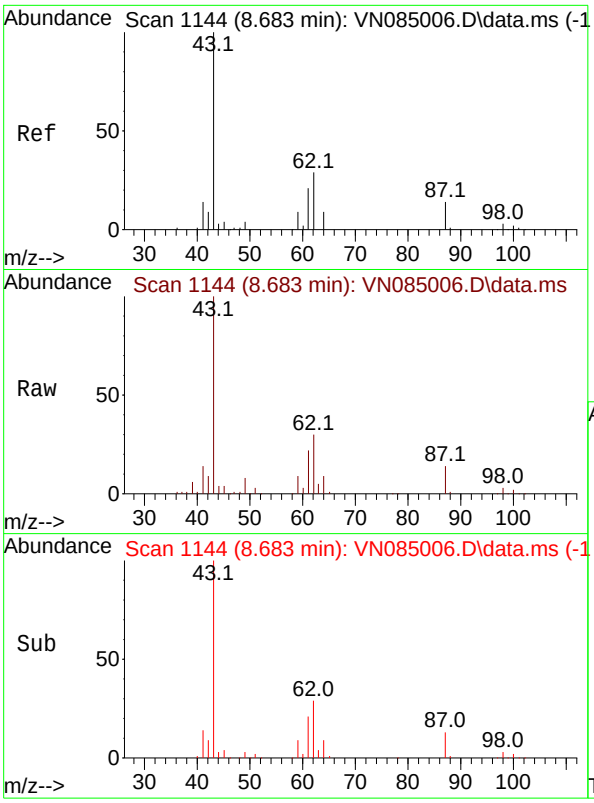


#42
1,2-Dichloroethane
Concen: 48.616 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 62 Resp: 130440

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2



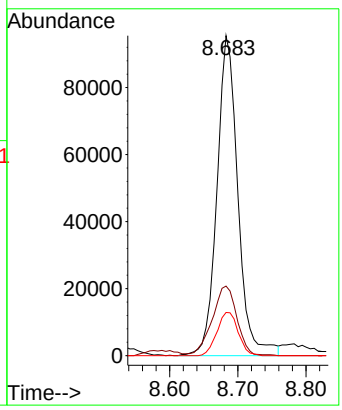


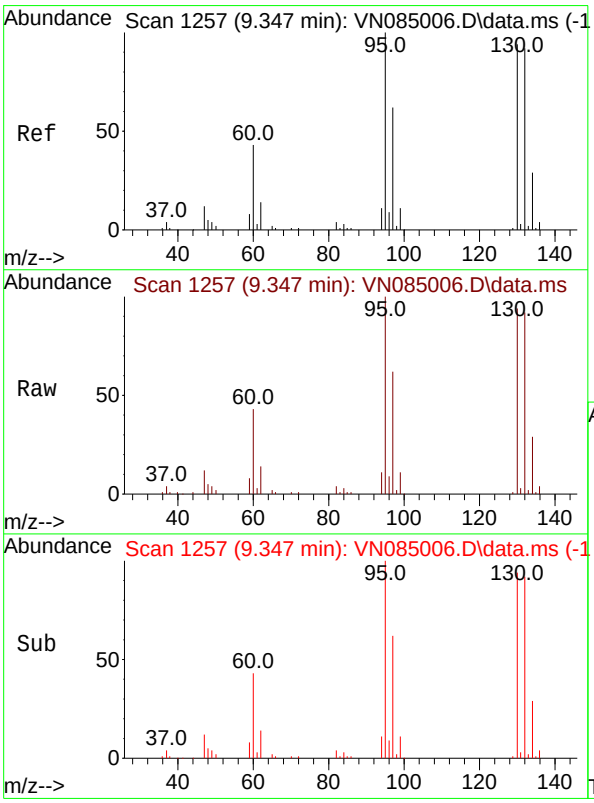
#43
Isopropyl Acetate
Concen: 43.670 ug/l
RT: 8.683 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 204483

Ion	Ratio	Lower	Upper
43	100		
61	25.7	20.6	30.8
87	13.7	11.0	16.4

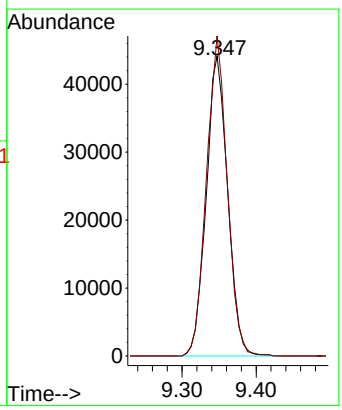


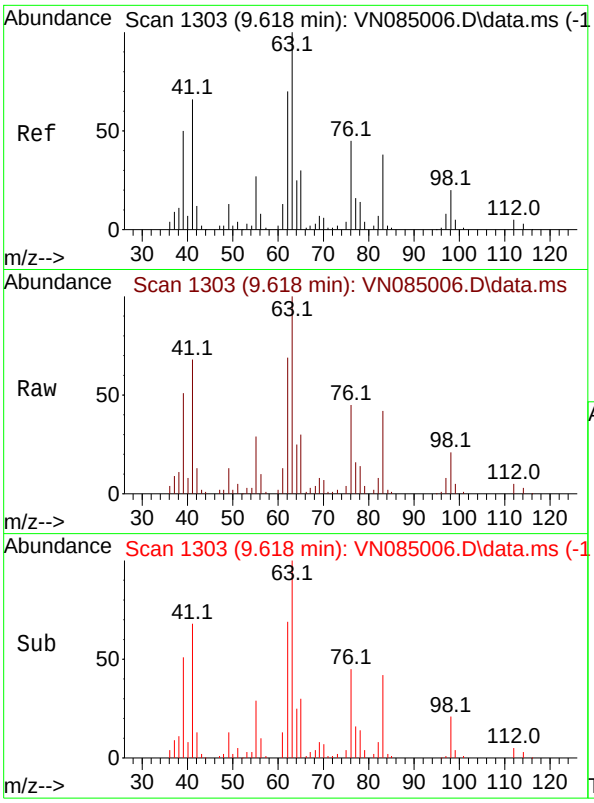


#44
Trichloroethene
Concen: 48.692 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:130 Resp: 88746

Ion	Ratio	Lower	Upper
130	100		
95	106.7	0.0	213.4



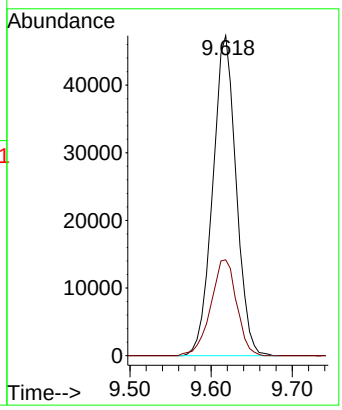


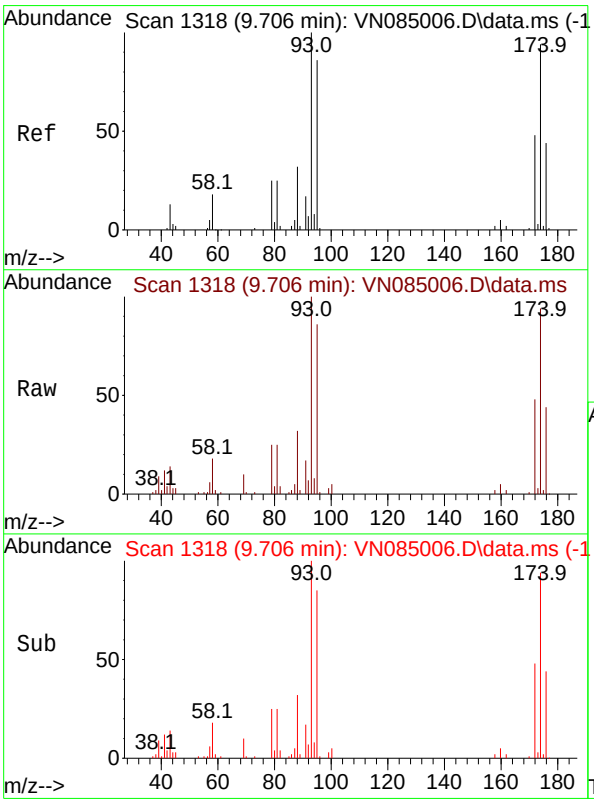
#45
1,2-Dichloropropane
Concen: 49.013 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 94677

Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.0	36.0

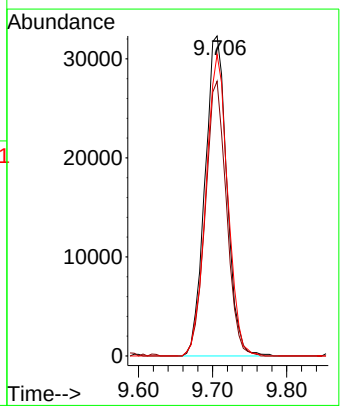


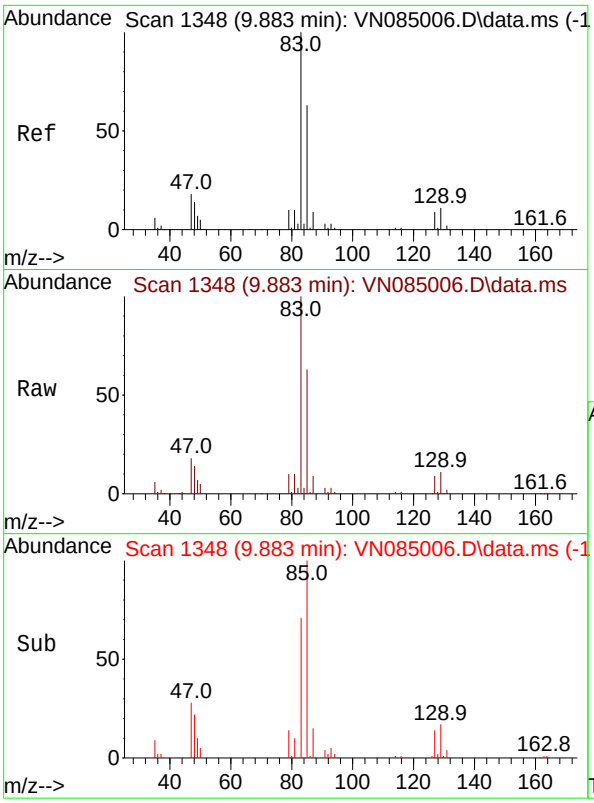


#46
Dibromomethane
Concen: 49.447 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 93 Resp: 66370

Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.2	99.4
174	93.6	74.9	112.3



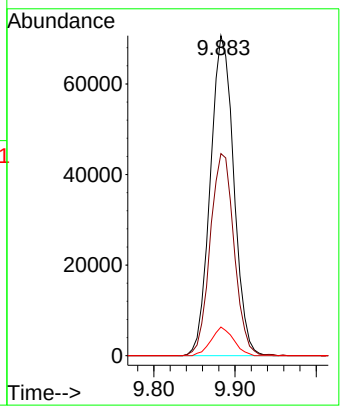


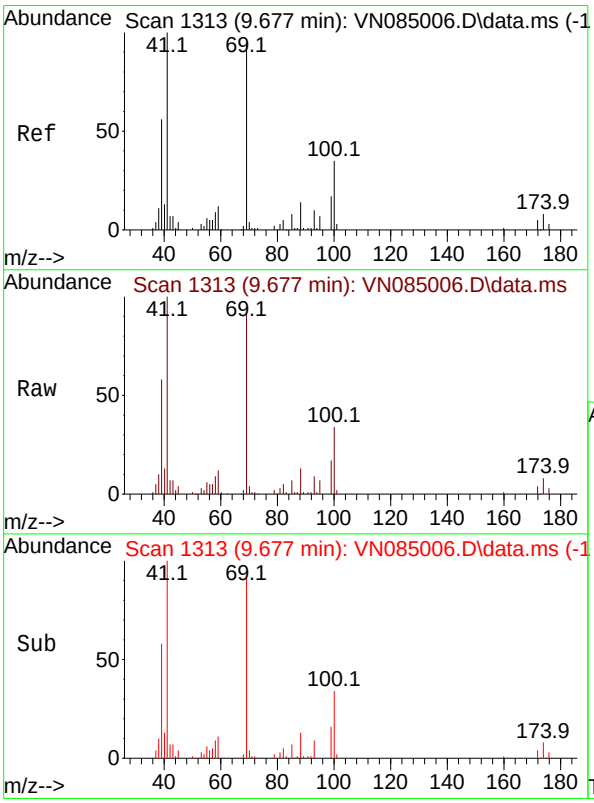
#47
Bromodichloromethane
Concen: 49.849 ug/l
RT: 9.883 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 141808

Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.5	75.7
127	8.9	7.1	10.7

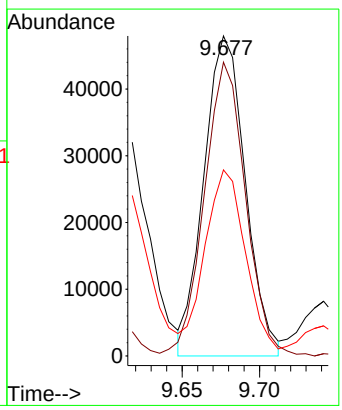


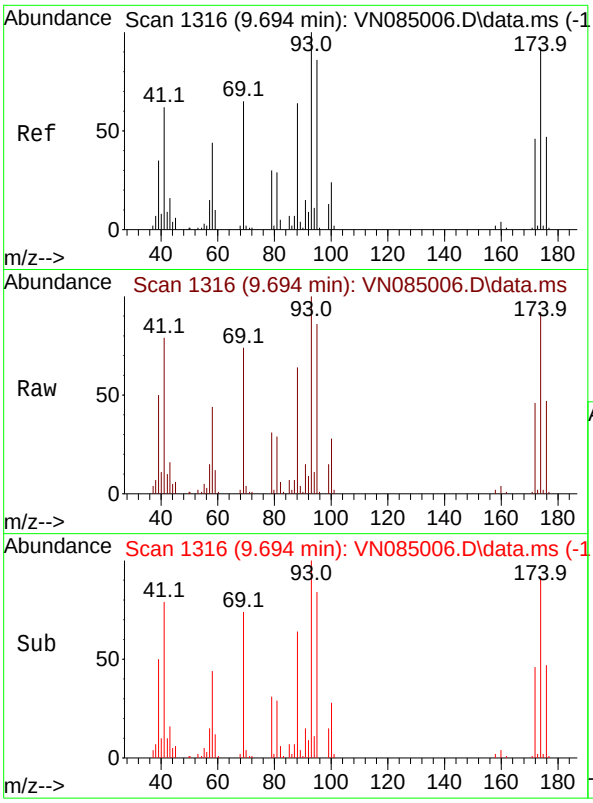


#48
Methyl methacrylate
Concen: 51.193 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 41 Resp: 89202

Ion	Ratio	Lower	Upper
41	100		
69	91.5	73.2	109.8
39	57.8	46.2	69.4



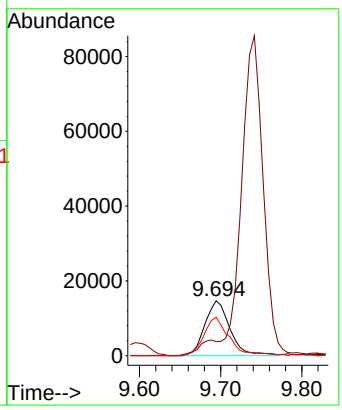


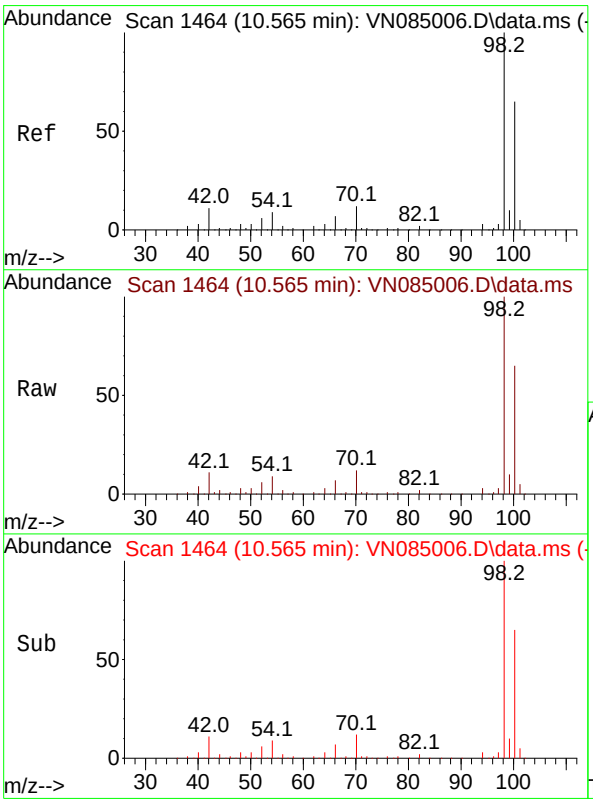
#49
1,4-Dioxane
Concen: 1044.331 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 31557

Ion	Ratio	Lower	Upper
88	100		
43	20.9	16.7	25.1
58	70.6	56.5	84.7

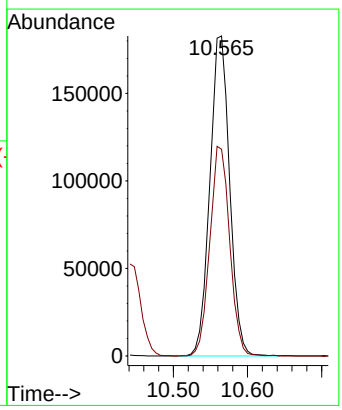


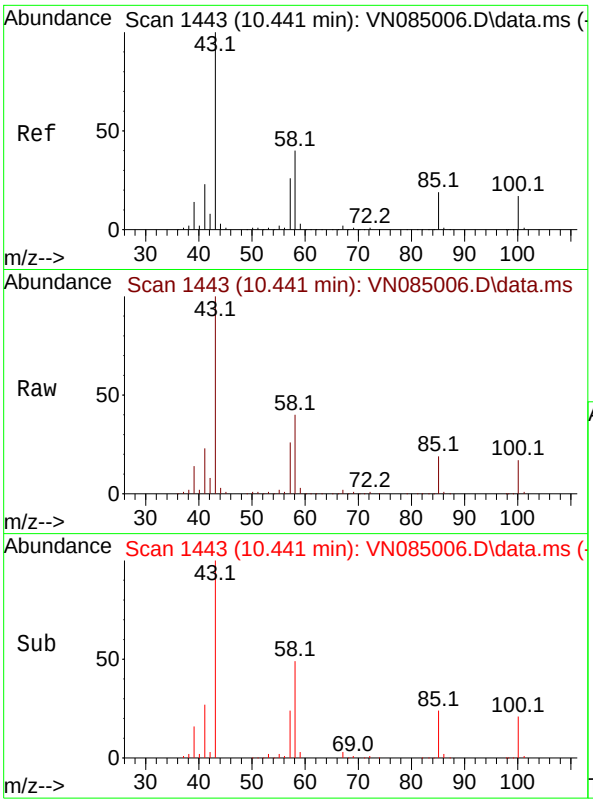


#50
Toluene-d8
Concen: 51.662 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 98 Resp: 338938

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.5	78.7



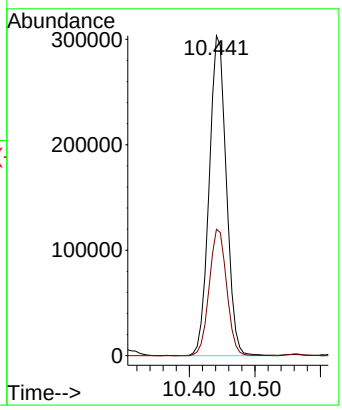


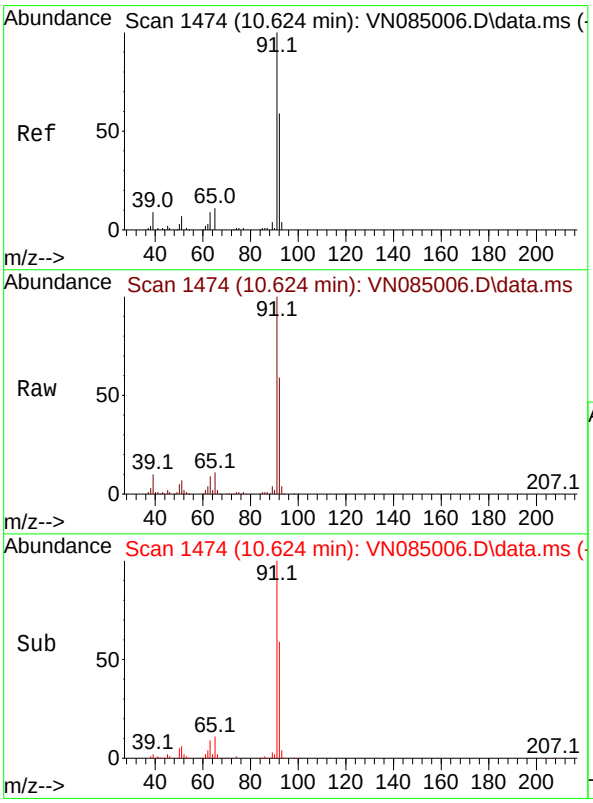
#51
4-Methyl-2-Pentanone
Concen: 257.854 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 551484

Ion	Ratio	Lower	Upper
43	100		
58	40.1	32.1	48.1

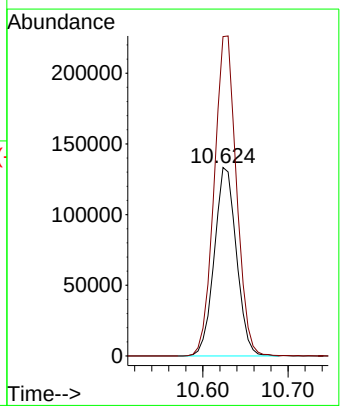


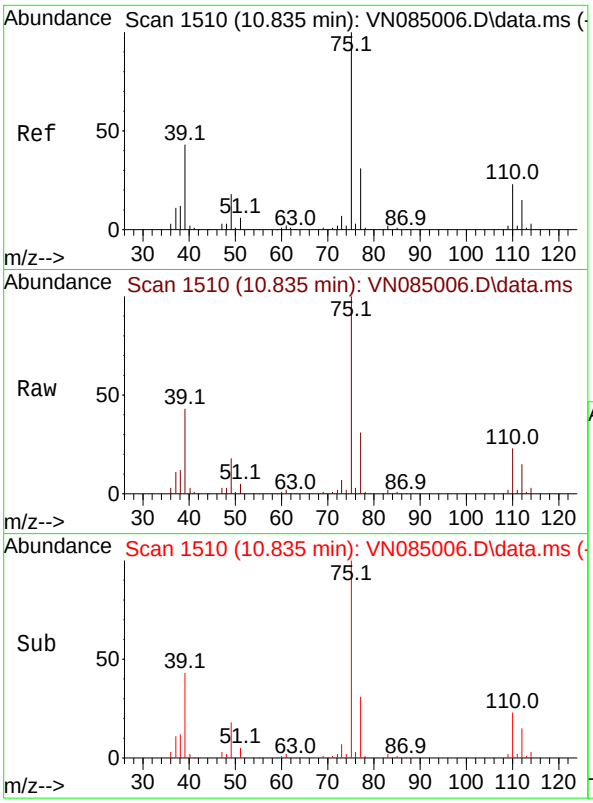


#52
Toluene
Concen: 51.850 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 92 Resp: 240730

Ion	Ratio	Lower	Upper
92	100		
91	170.9	136.7	205.1



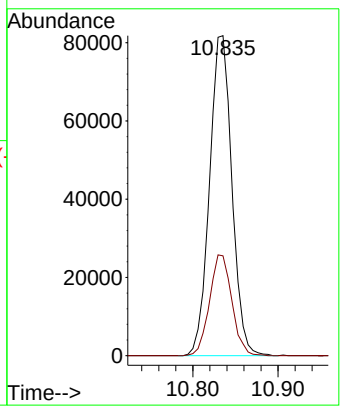


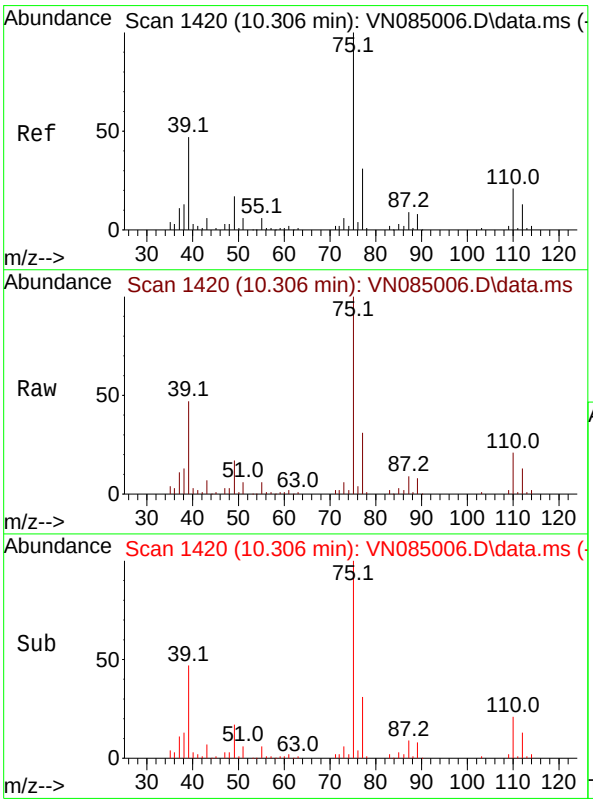
#53
t-1,3-Dichloropropene
Concen: 52.241 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 148995

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4

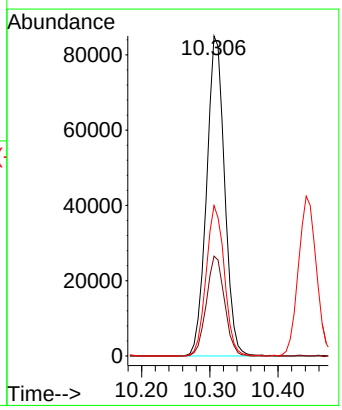


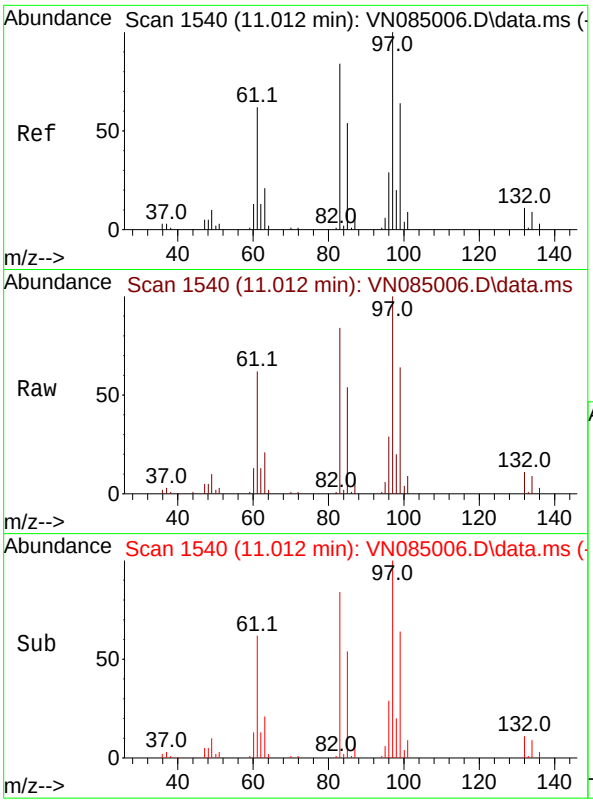


#54
cis-1,3-Dichloropropene
Concen: 51.671 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 75 Resp: 156342

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4
39	47.0	37.6	56.4



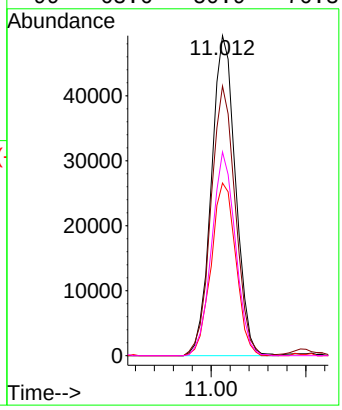


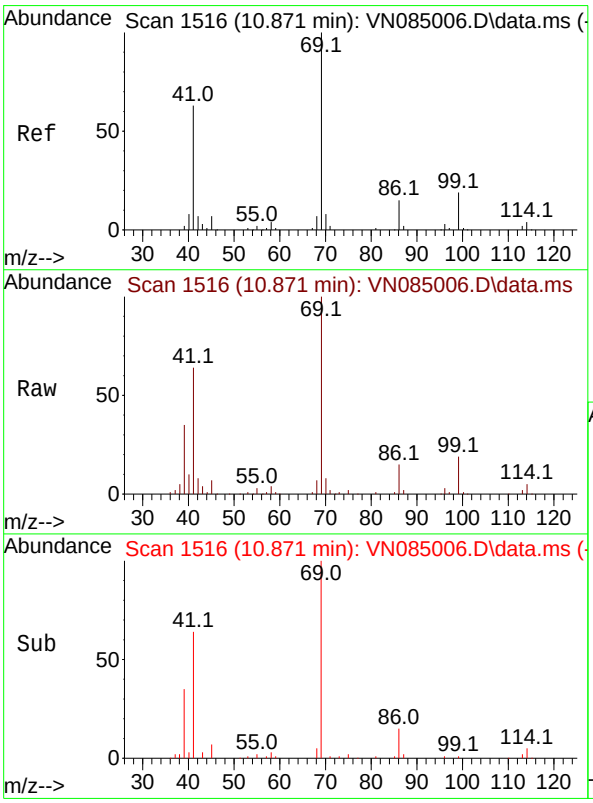
#55
1,1,2-Trichloroethane
Concen: 50.501 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 87334

Ion	Ratio	Lower	Upper
97	100		
83	84.3	67.4	101.2
85	53.9	43.1	64.7
99	63.6	50.9	76.3

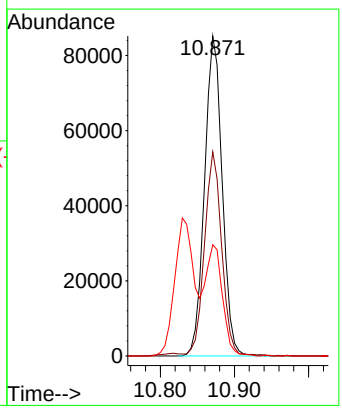


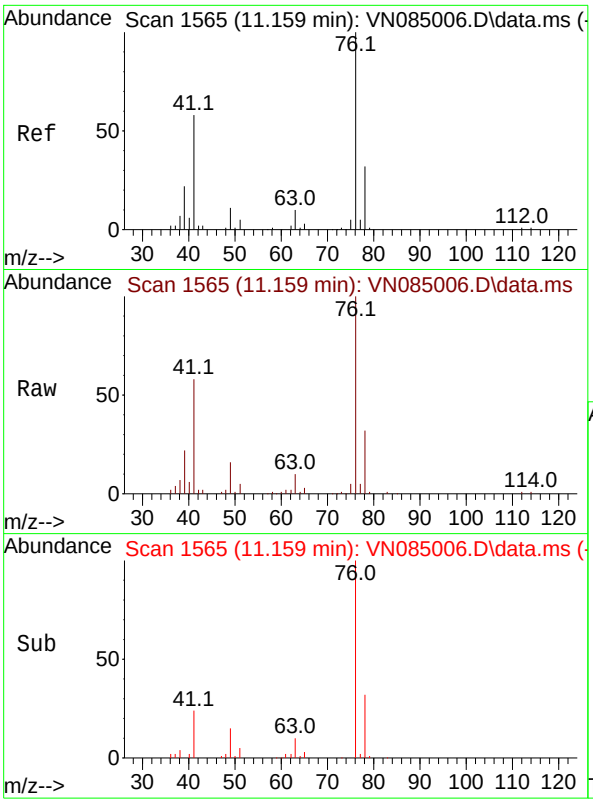


#56
Ethyl methacrylate
Concen: 55.617 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 69 Resp: 140546

Ion	Ratio	Lower	Upper
69	100		
41	62.5	50.0	75.0
39	33.8	27.0	40.6



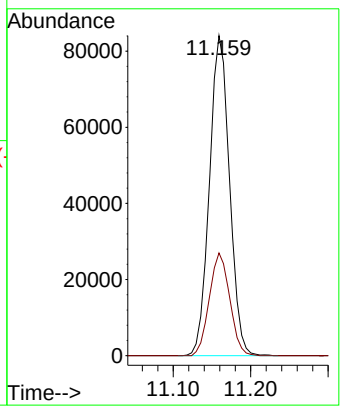


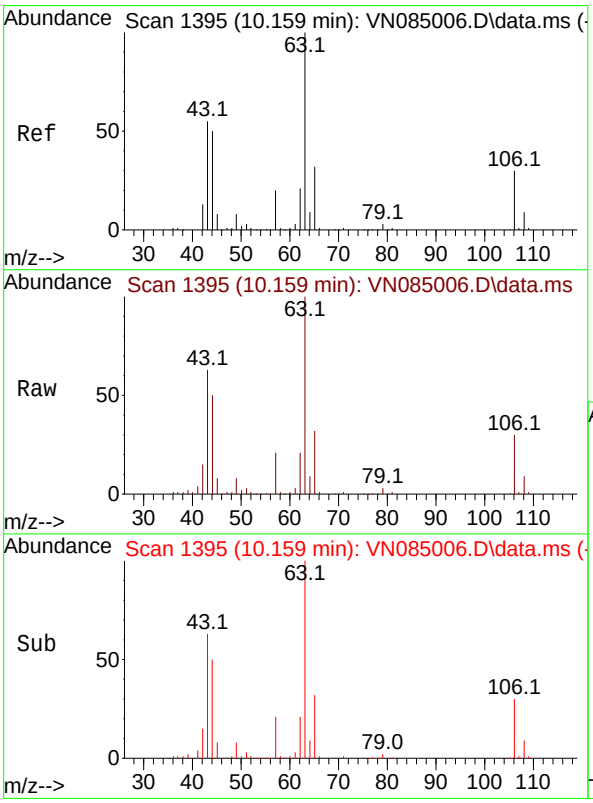
#57
1,3-Dichloropropane
Concen: 49.800 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 151573

Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.1	39.1

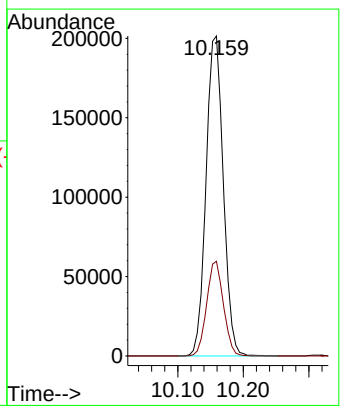


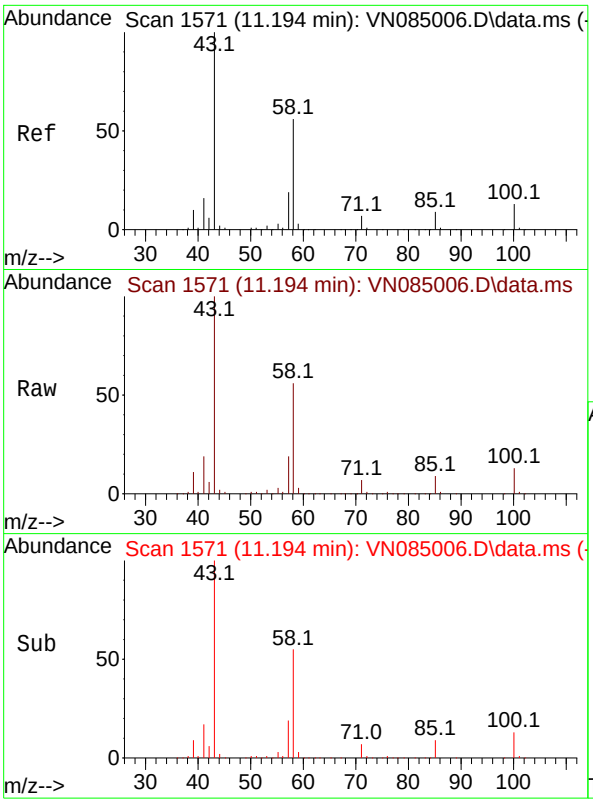


#58
2-Chloroethyl Vinyl ether
Concen: 297.030 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 63 Resp: 368190

Ion	Ratio	Lower	Upper
63	100		
106	28.8	23.0	34.6



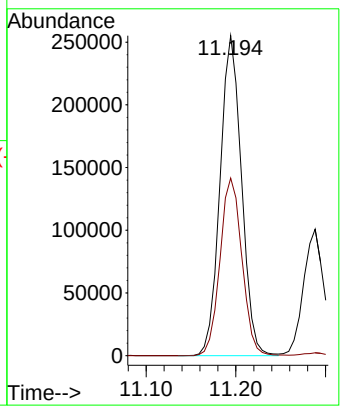


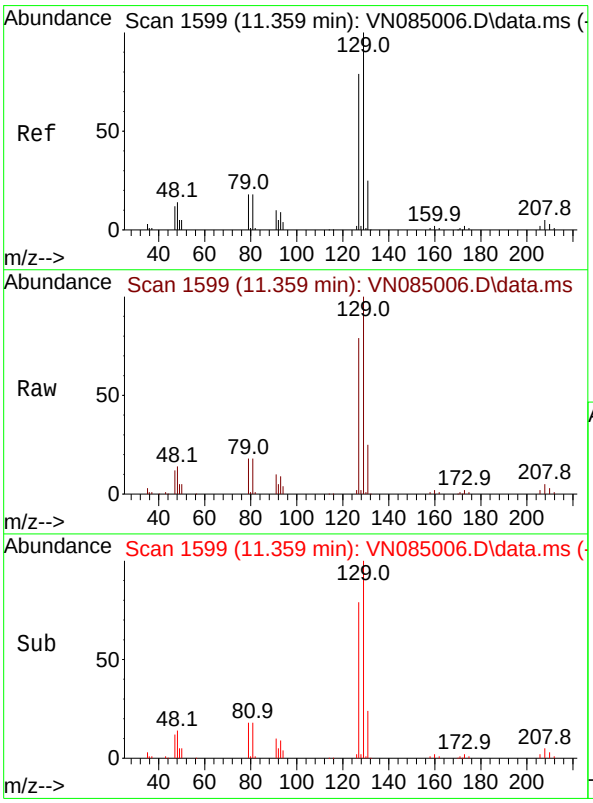
#59
2-Hexanone
Concen: 265.165 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 424152

Ion	Ratio	Lower	Upper
43	100		
58	56.7	28.3	85.0

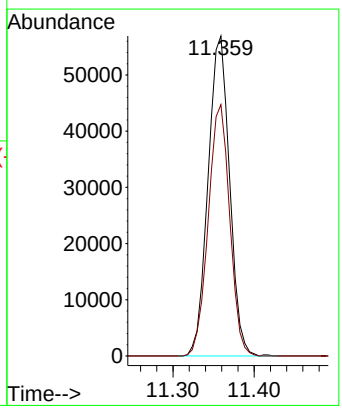


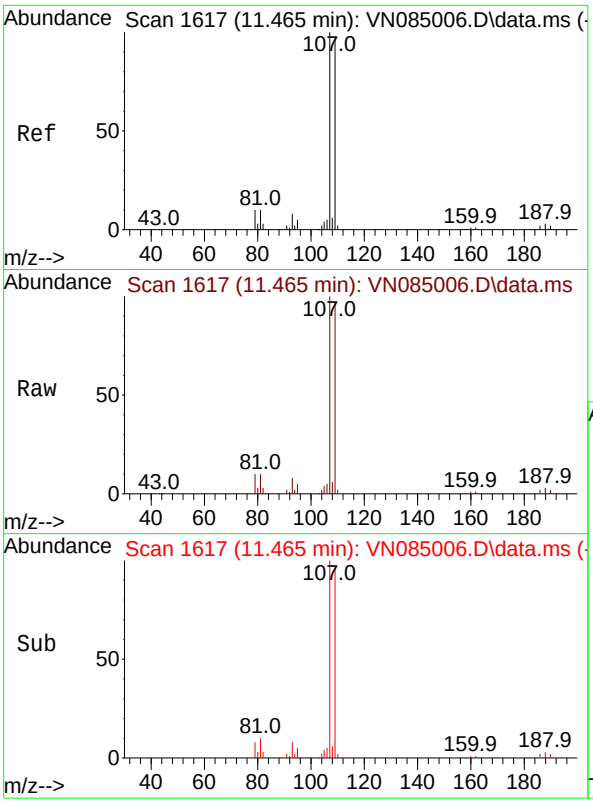


#60
Dibromochloromethane
Concen: 49.538 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:129 Resp: 104699

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.2	117.6



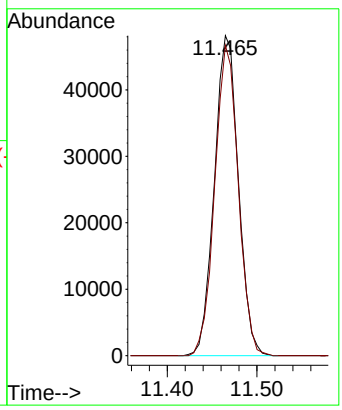


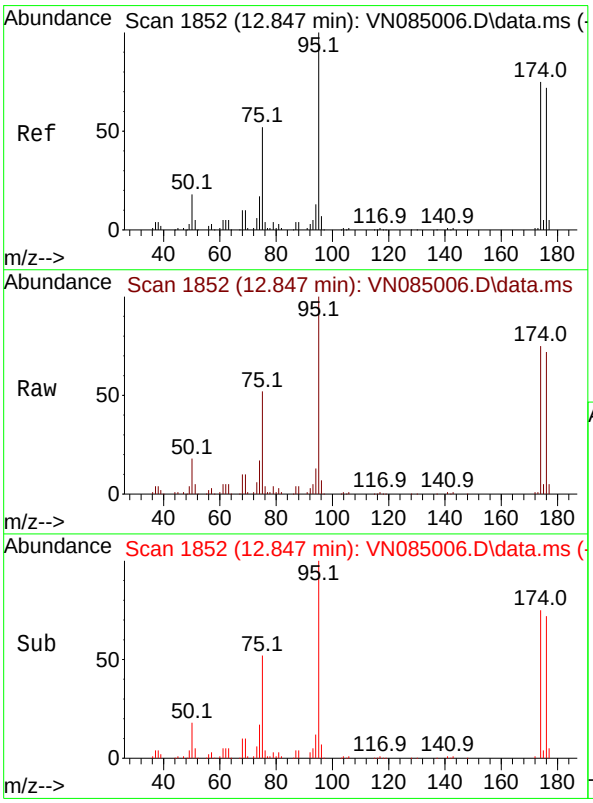
#61
1,2-Dibromoethane
Concen: 49.991 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 89471

Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.1	114.1

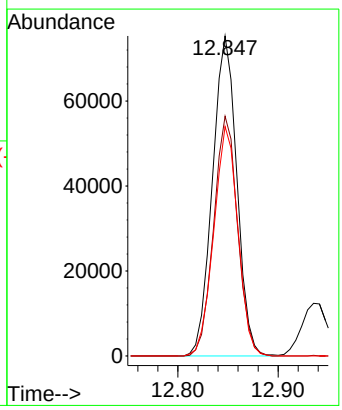


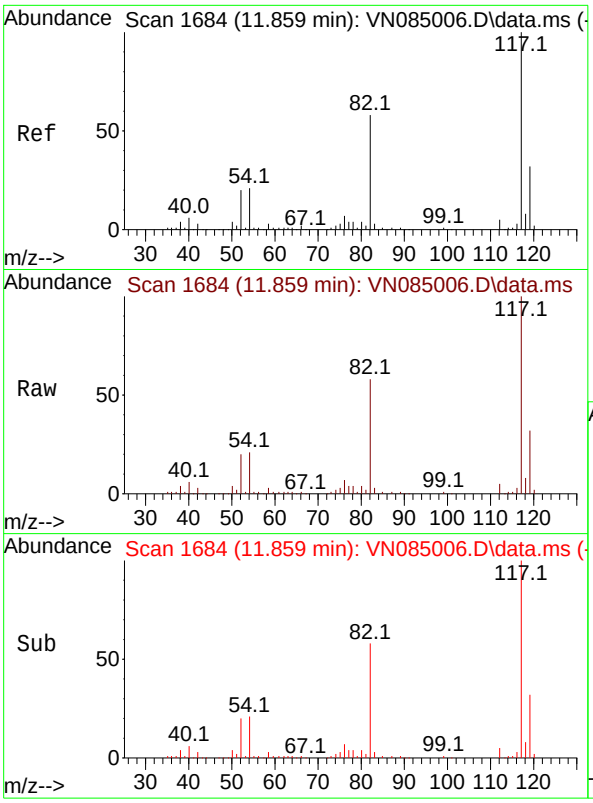


#62
4-Bromofluorobenzene
Concen: 51.698 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 95 Resp: 126840

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	146.6
176	70.9	0.0	141.8



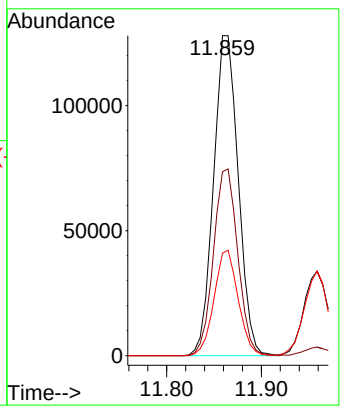


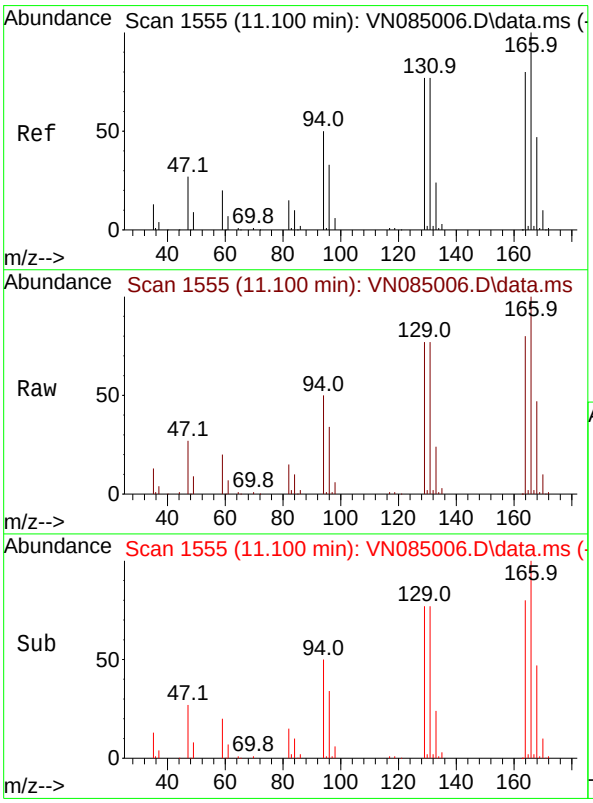
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 232158

Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.0	69.0
119	32.0	25.6	38.4

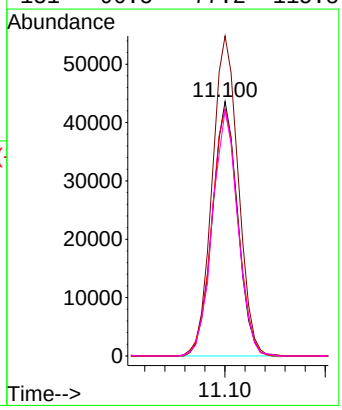


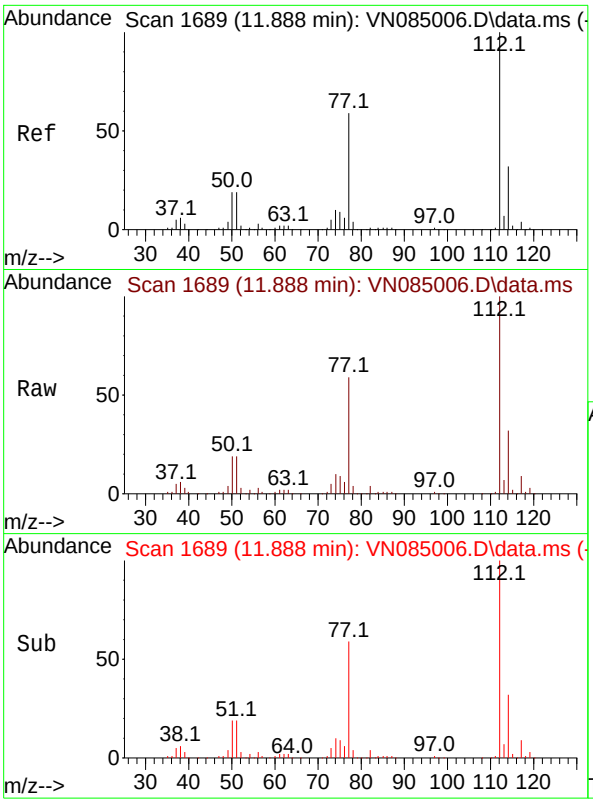


#64
Tetrachloroethene
Concen: 48.747 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:164 Resp: 76257

Ion	Ratio	Lower	Upper
164	100		
166	125.8	100.6	151.0
129	97.1	77.7	116.5
131	96.5	77.2	115.8



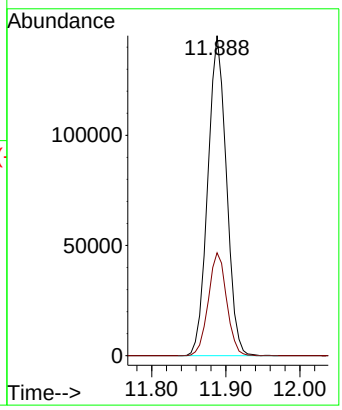


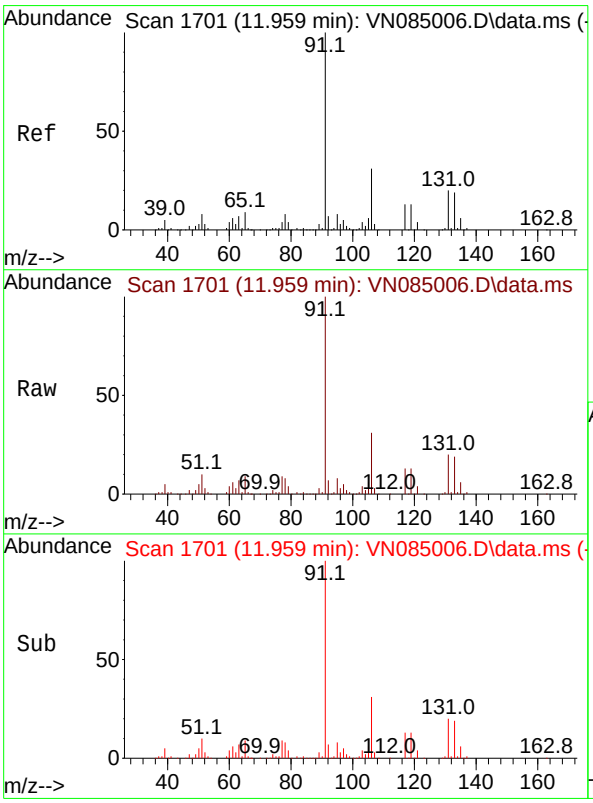
#65
Chlorobenzene
Concen: 48.041 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 252937

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.8	38.6

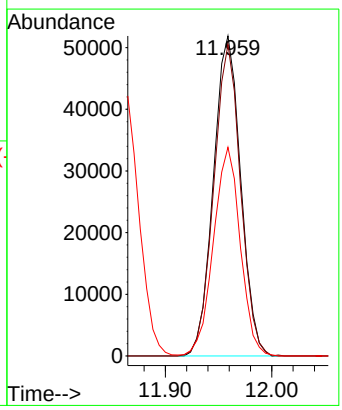


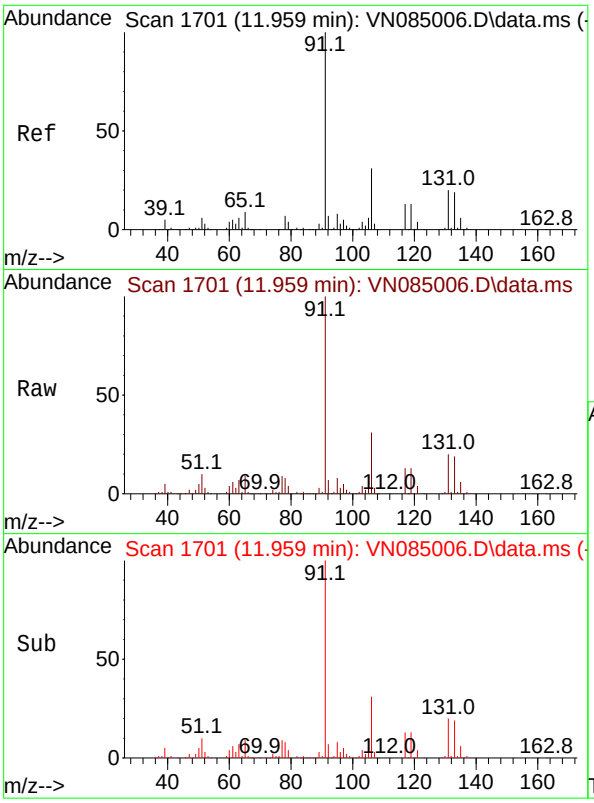


#66
1,1,1,2-Tetrachloroethane
Concen: 49.785 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:131 Resp: 92289

Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.8	143.4
119	64.2	32.1	96.3



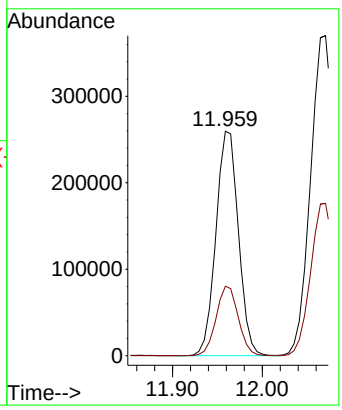


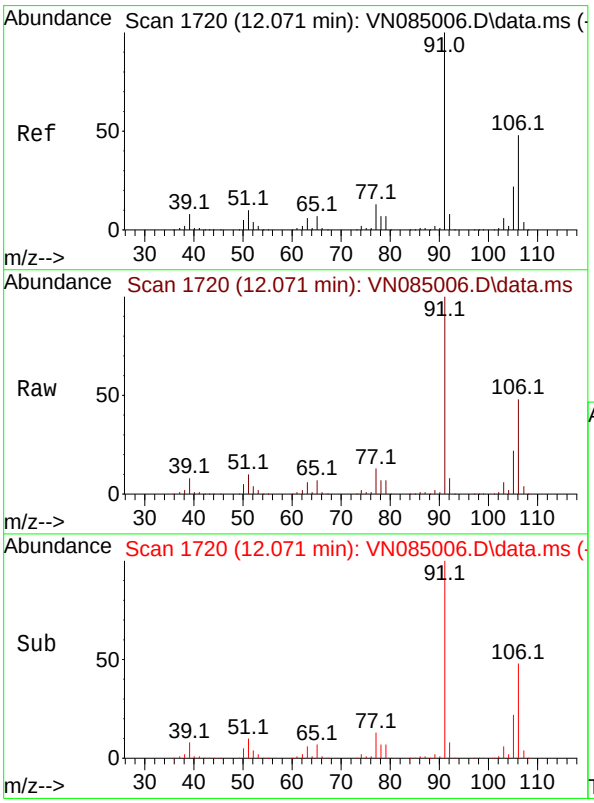
#67
Ethyl Benzene
Concen: 52.856 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 451491

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.7	37.1

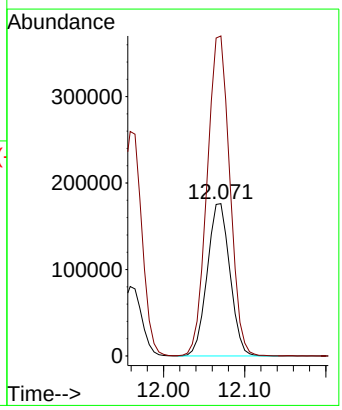


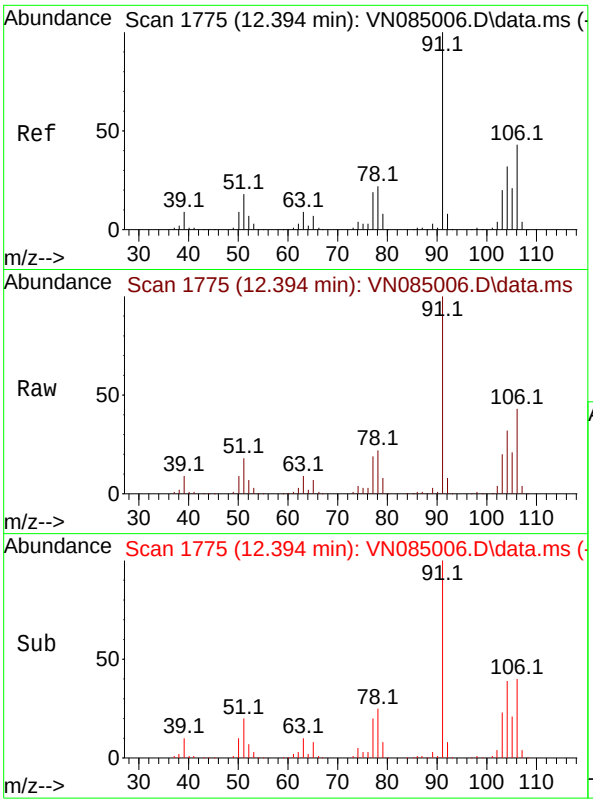


#68
m/p-Xylenes
Concen: 105.174 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:106 Resp: 342033

Ion	Ratio	Lower	Upper
106	100		
91	210.0	168.0	252.0



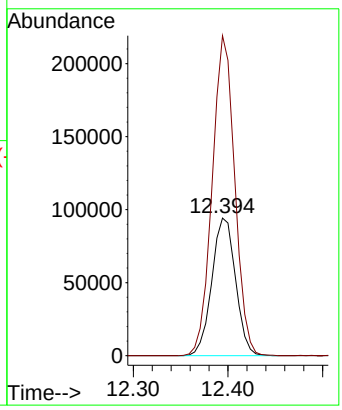


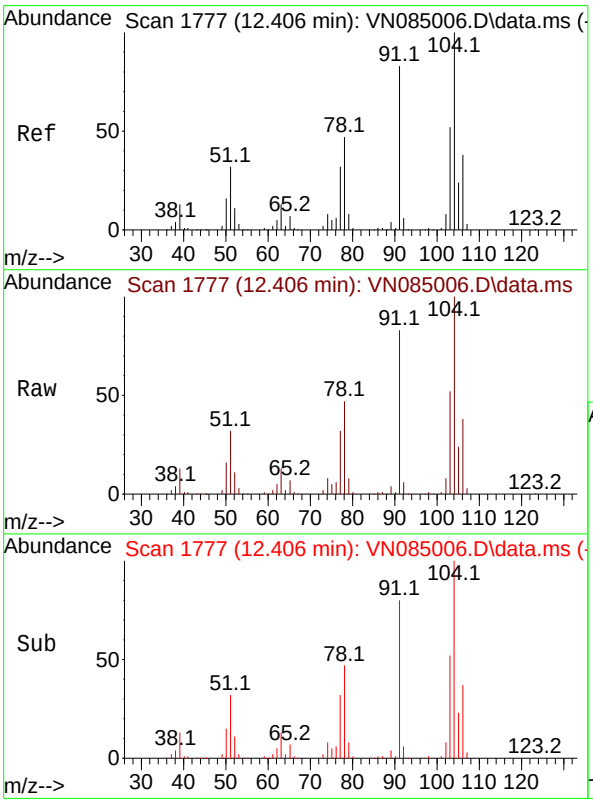
#69
o-Xylene
Concen: 53.059 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 164137

Ion	Ratio	Lower	Upper
106	100		
91	221.3	110.7	331.9

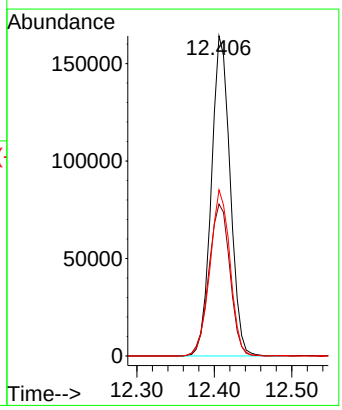


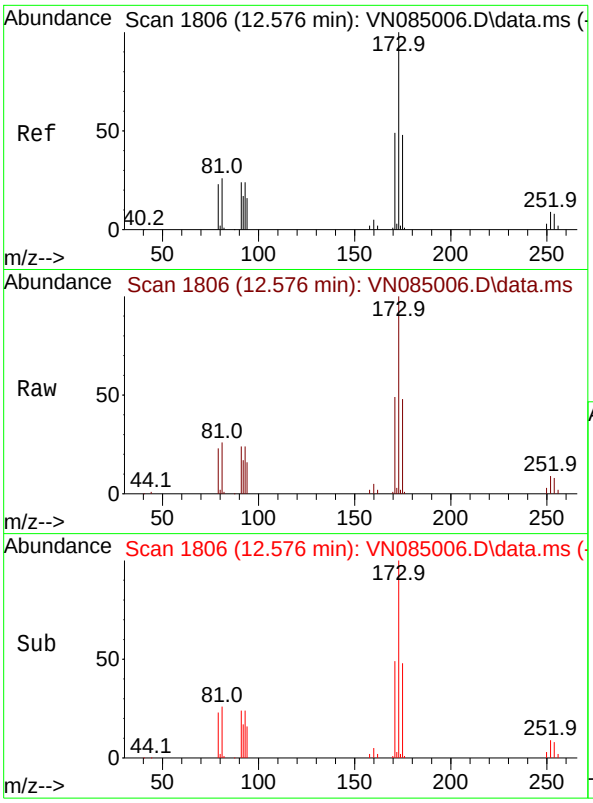


#70
Styrene
Concen: 53.912 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:104 Resp: 277349

Ion	Ratio	Lower	Upper
104	100		
78	52.9	42.3	63.5
103	55.2	44.2	66.2



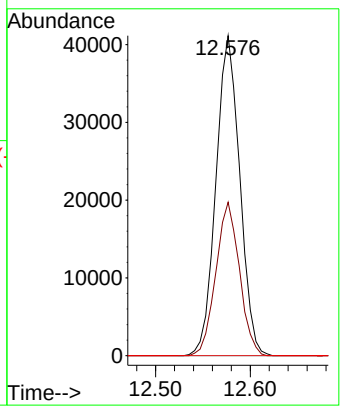


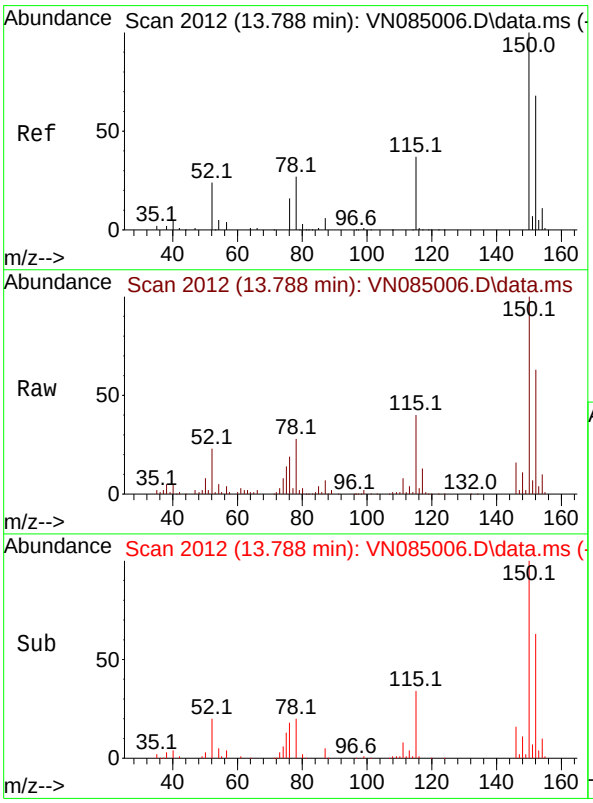
#71
Bromoform
Concen: 52.221 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 71858

Ion	Ratio	Lower	Upper
173	100		
175	47.5	23.8	71.2
254	0.0	0.0	0.0

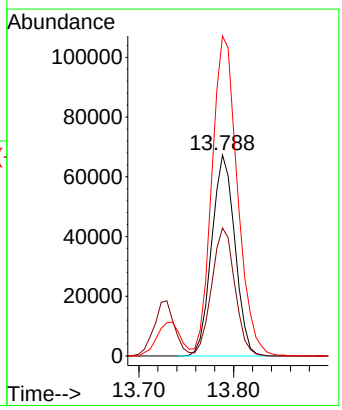


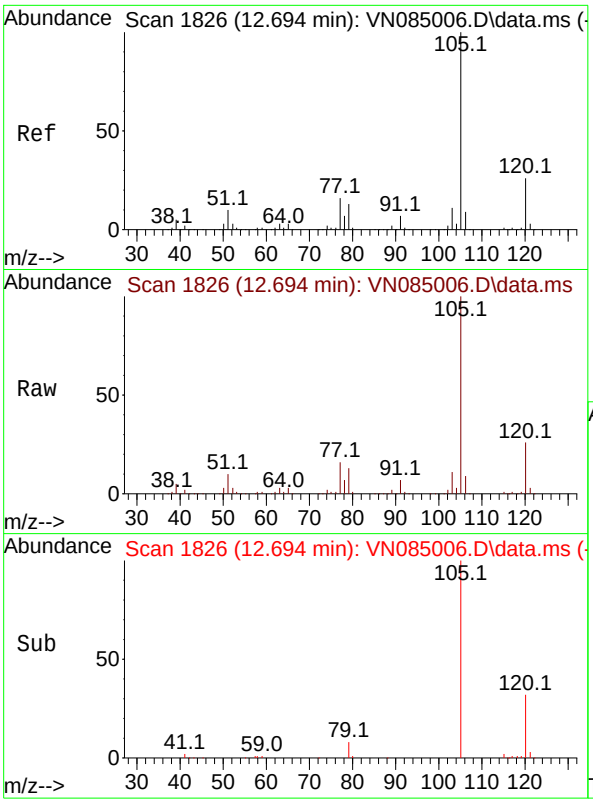


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:152 Resp: 114469

Ion	Ratio	Lower	Upper
152	100		
115	63.4	31.7	95.1
150	175.7	0.0	351.4



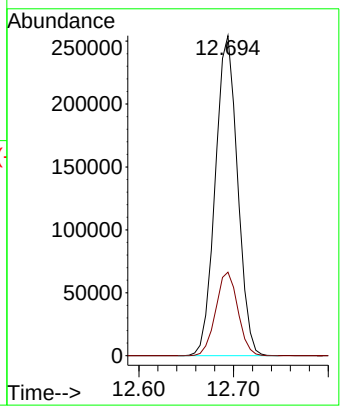


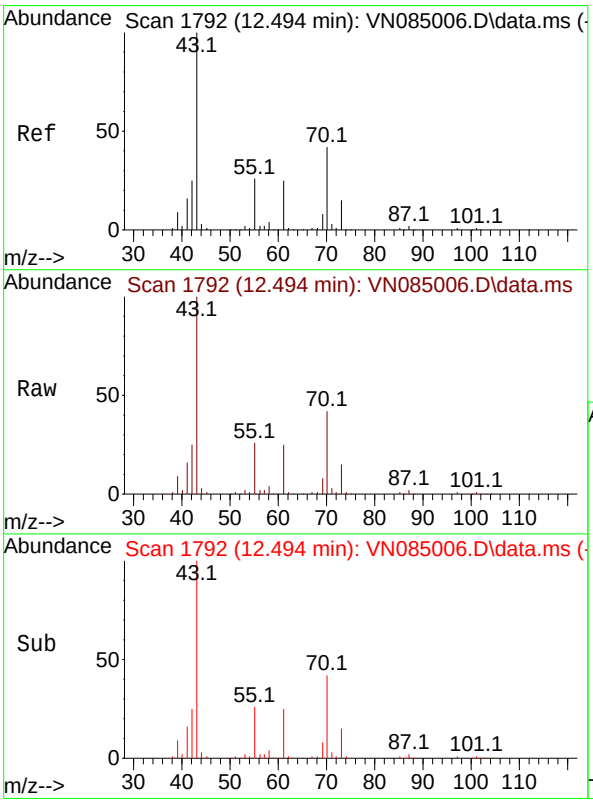
#73
Isopropylbenzene
Concen: 51.479 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 415716

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	39.0

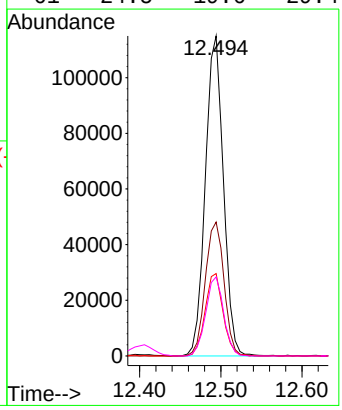


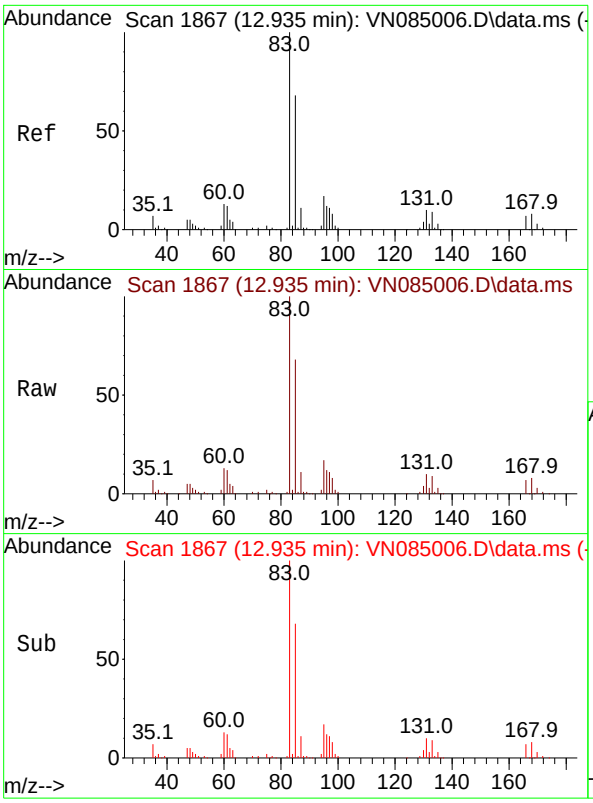


#74
N-amyl acetate
Concen: 53.396 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 43 Resp: 177685

Ion	Ratio	Lower	Upper
43	100		
70	43.2	34.6	51.8
55	25.6	20.5	30.7
61	24.5	19.6	29.4



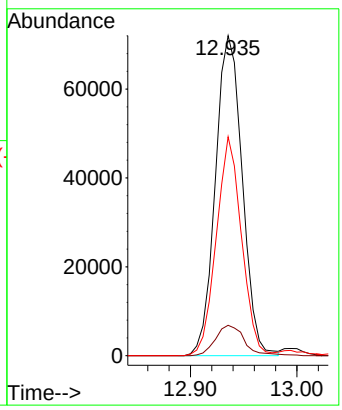


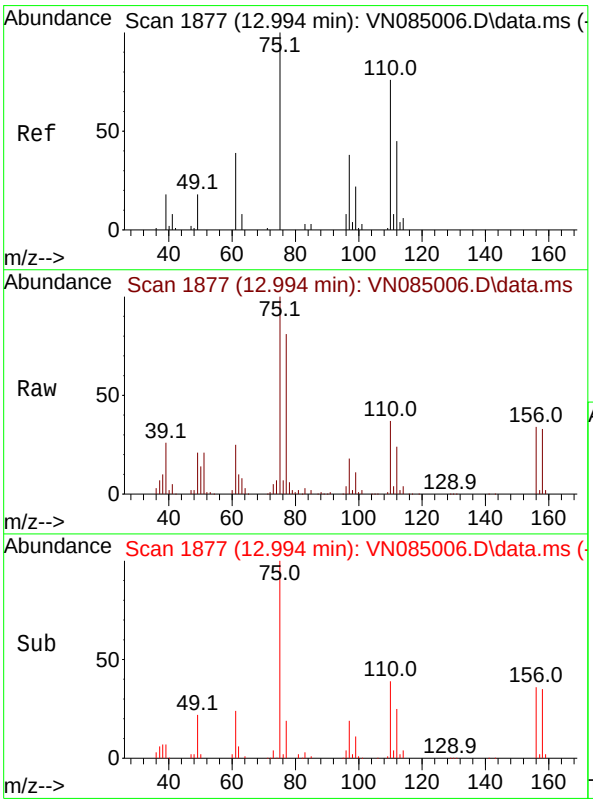
#75
1,1,2,2-Tetrachloroethane
Concen: 45.771 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 126215

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.4
85	64.2	32.1	96.3

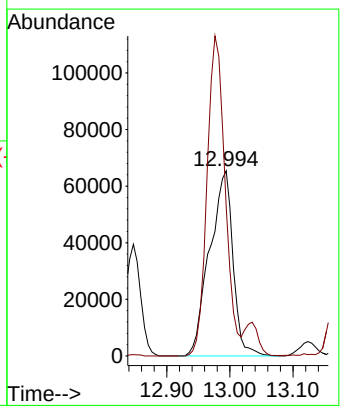


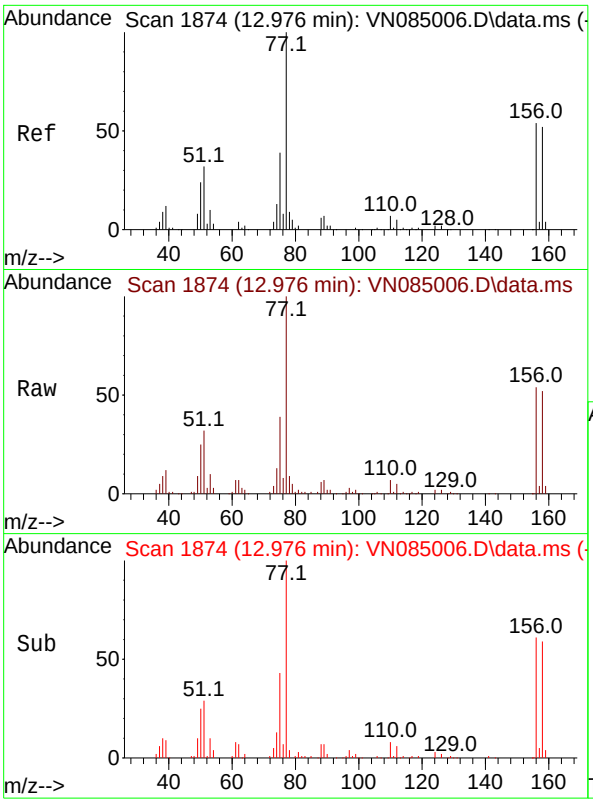


#76
1,2,3-Trichloropropane
Concen: 78.620 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 75 Resp: 168352

Ion	Ratio	Lower	Upper
75	100		
77	133.9	109.1	327.4



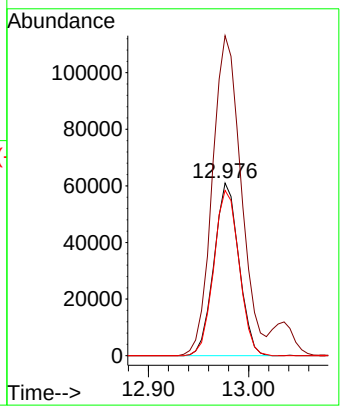


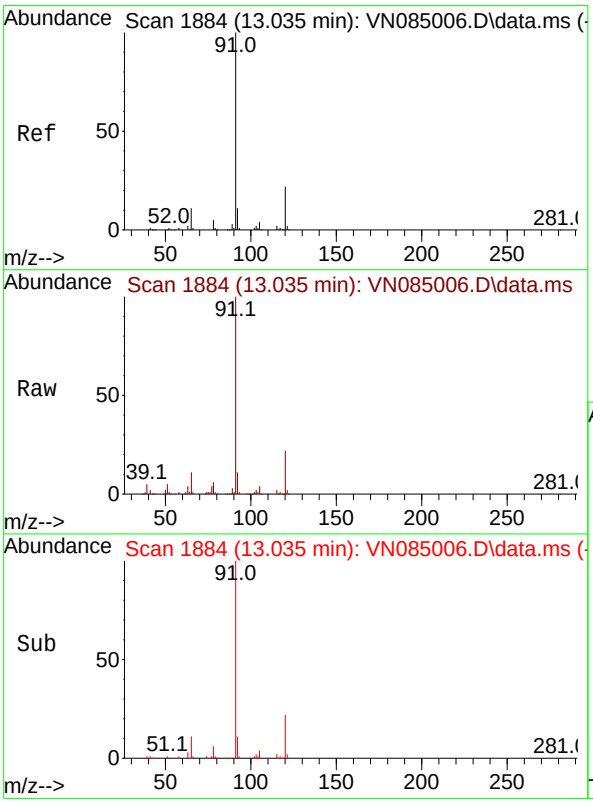
#77
Bromobenzene
Concen: 48.402 ug/l
RT: 12.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 105184

Ion	Ratio	Lower	Upper
156	100		
77	214.4	107.2	321.6
158	97.1	48.5	145.6

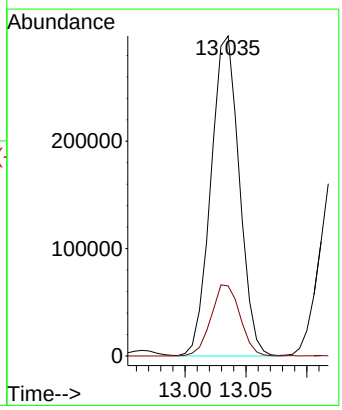


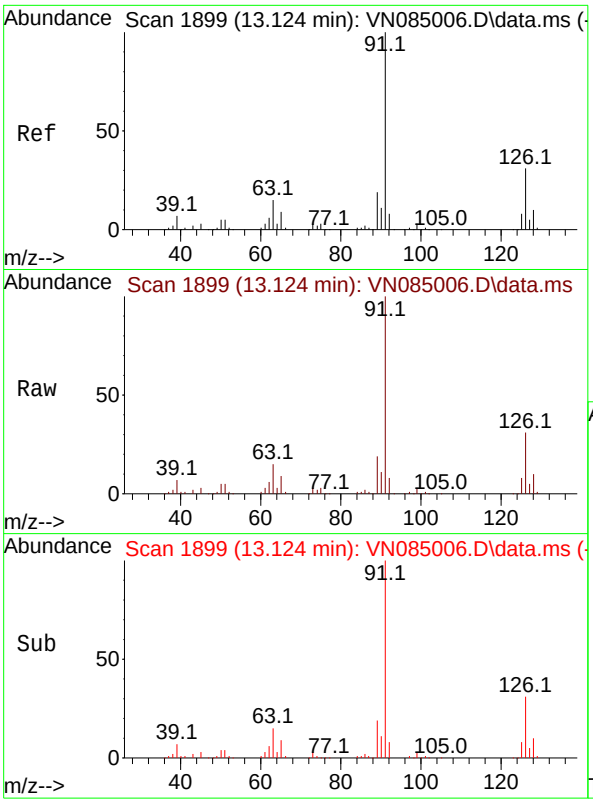


#78
n-propylbenzene
Concen: 52.059 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 91 Resp: 484892

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.3	33.9



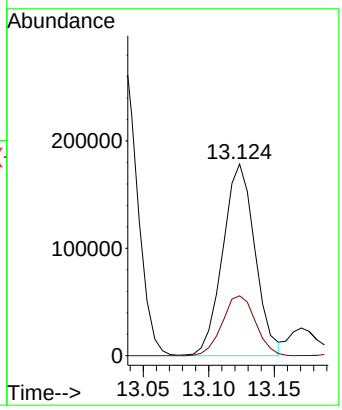


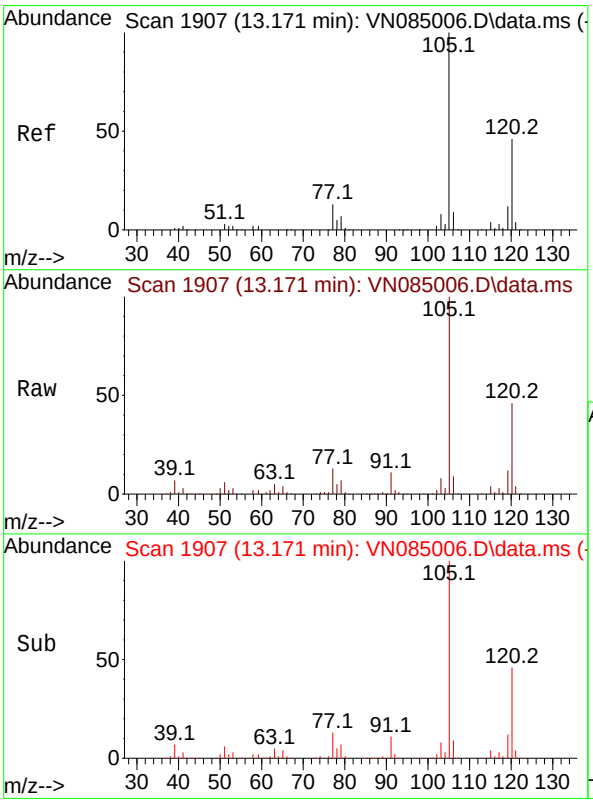
#79
2-Chlorotoluene
Concen: 49.174 ug/l
RT: 13.124 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 305747

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.3

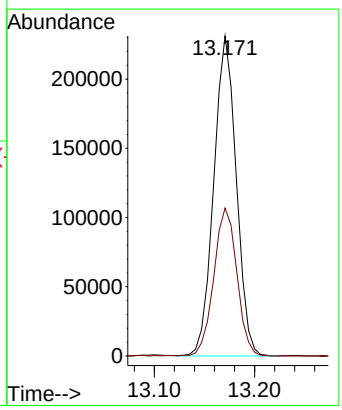


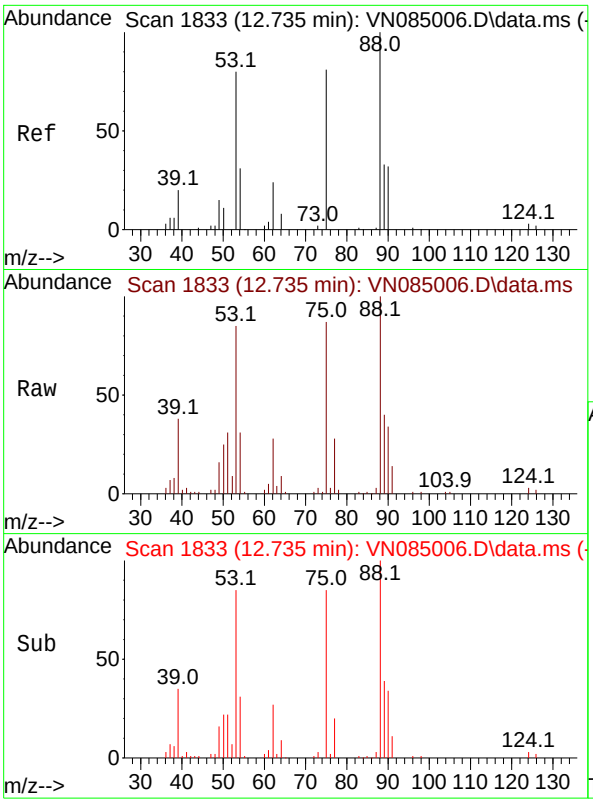


#80
1,3,5-Trimethylbenzene
Concen: 53.145 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:105 Resp: 360125

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.6	71.0



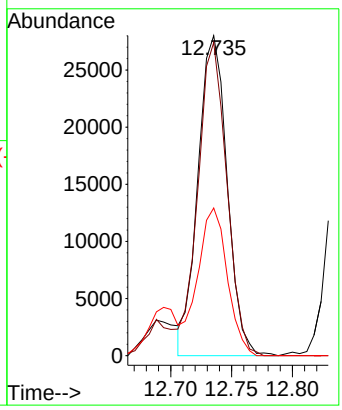


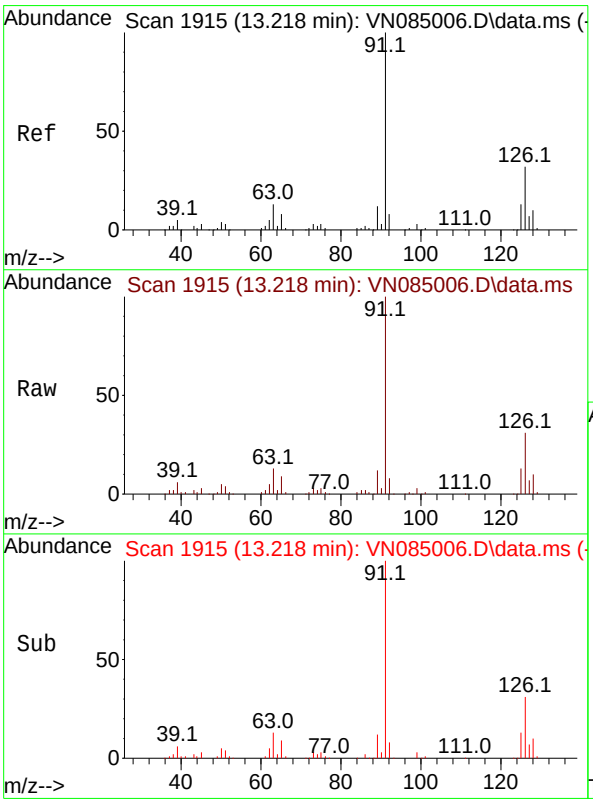
#81
trans-1,4-Dichloro-2-butene
Concen: 50.990 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 46724

Ion	Ratio	Lower	Upper
75	100		
53	97.8	78.2	117.4
89	47.4	37.9	56.9

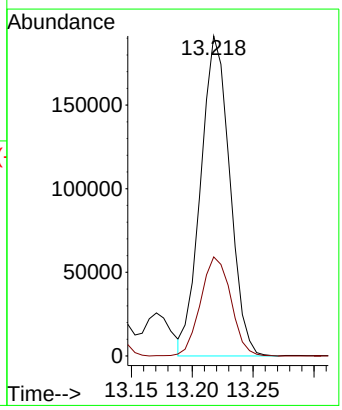


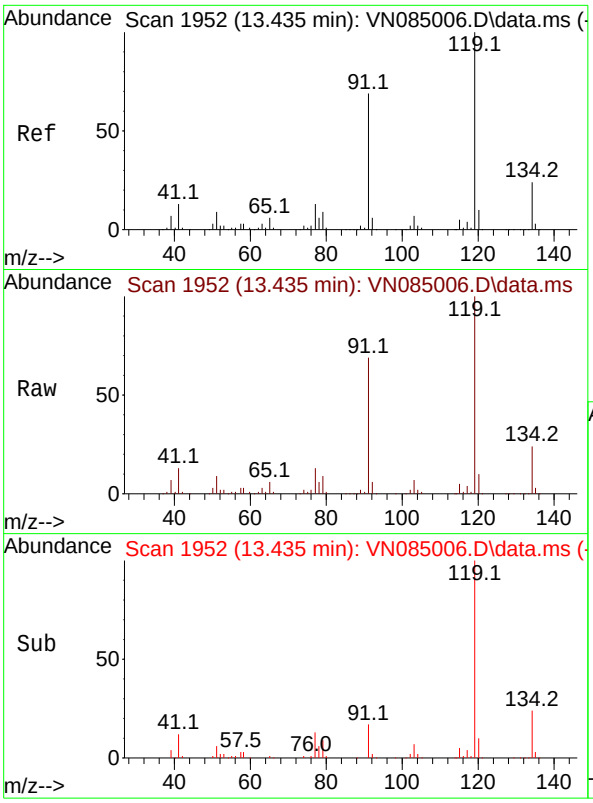


#82
4-Chlorotoluene
Concen: 49.063 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 91 Resp: 317569

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.3



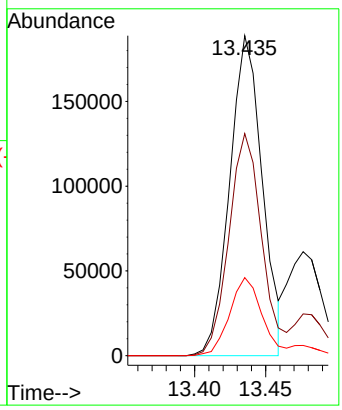


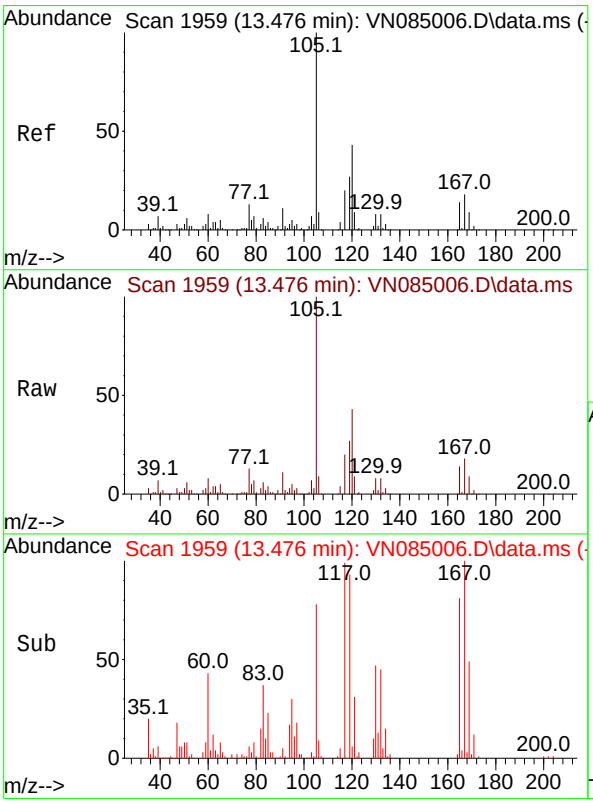
#83
tert-Butylbenzene
Concen: 51.657 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 301180

Ion	Ratio	Lower	Upper
119	100		
91	70.3	35.1	105.5
134	24.2	12.1	36.3

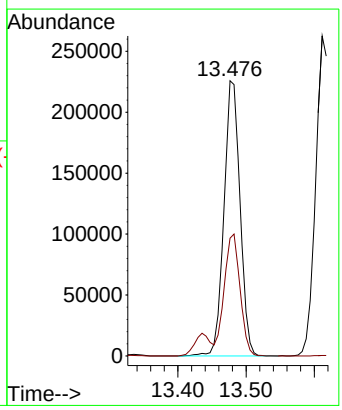


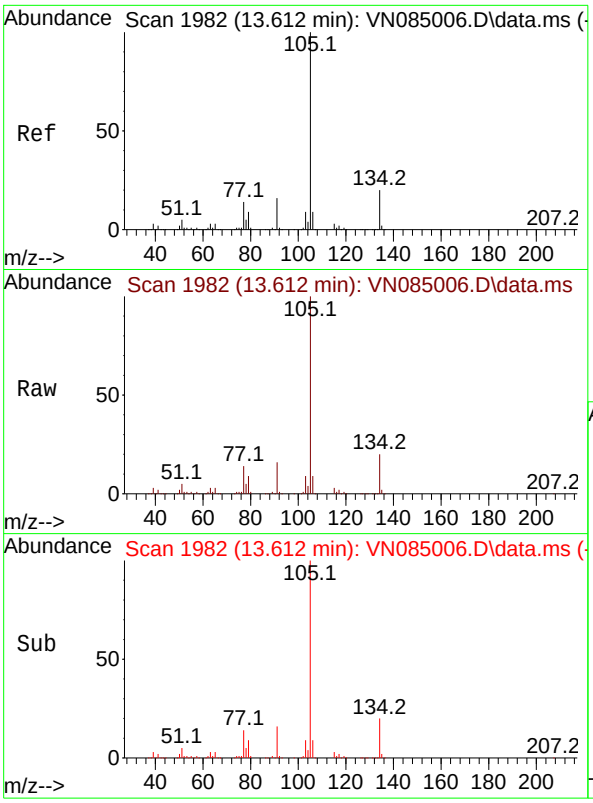


#84
1,2,4-Trimethylbenzene
Concen: 53.195 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:105 Resp: 371046

Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.8	65.4



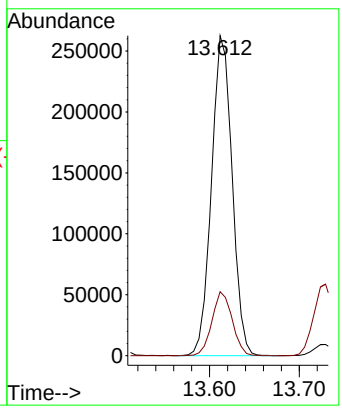


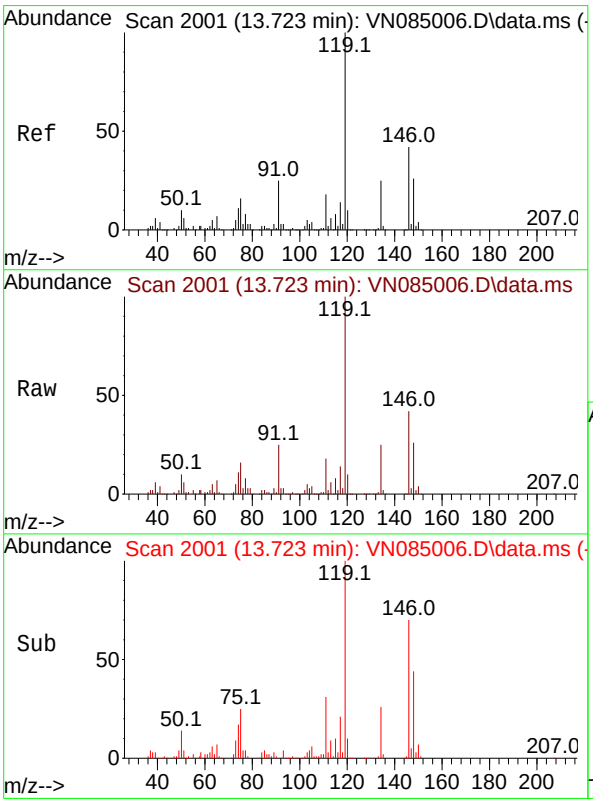
#85
sec-Butylbenzene
Concen: 53.296 ug/l
RT: 13.612 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 419761

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.3

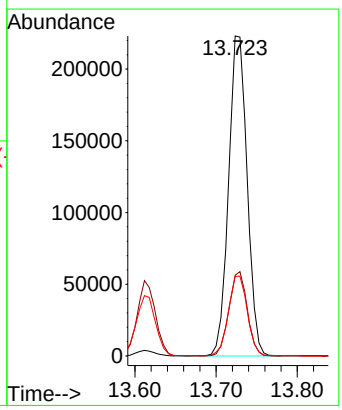


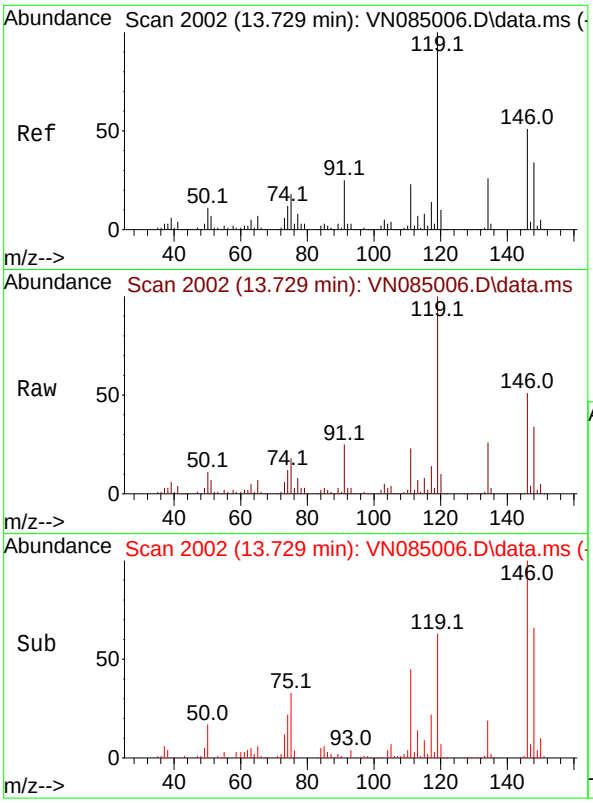


#86
p-Isopropyltoluene
Concen: 54.443 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:119 Resp: 353974

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	39.0
91	25.6	12.8	38.4



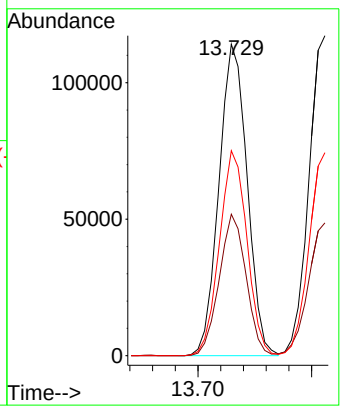


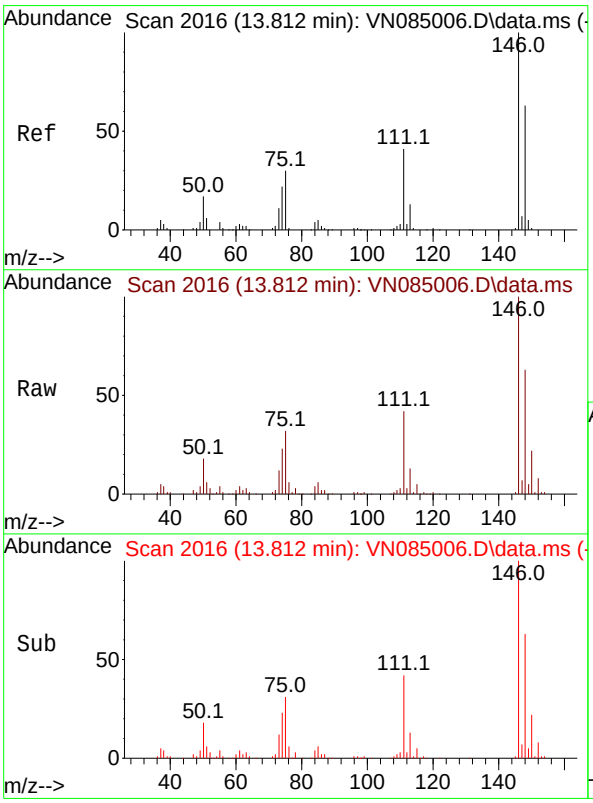
#87
1,3-Dichlorobenzene
Concen: 45.855 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 196552

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	65.0
148	64.4	32.2	96.6

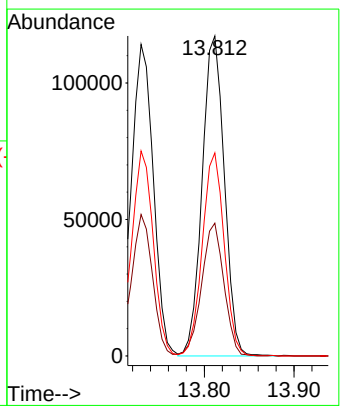


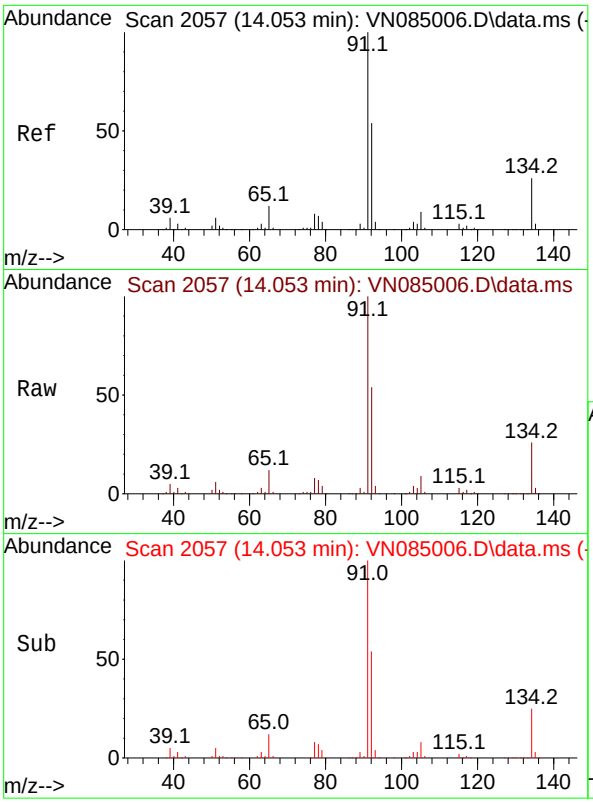


#88
1,4-Dichlorobenzene
Concen: 46.058 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:146 Resp: 201469

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.9	62.8
148	62.6	31.3	93.9



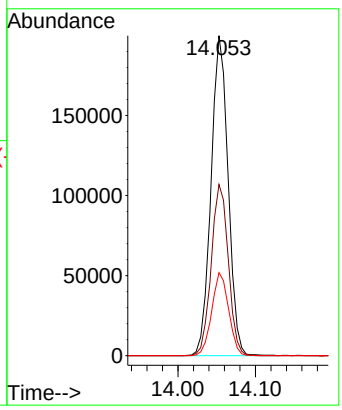


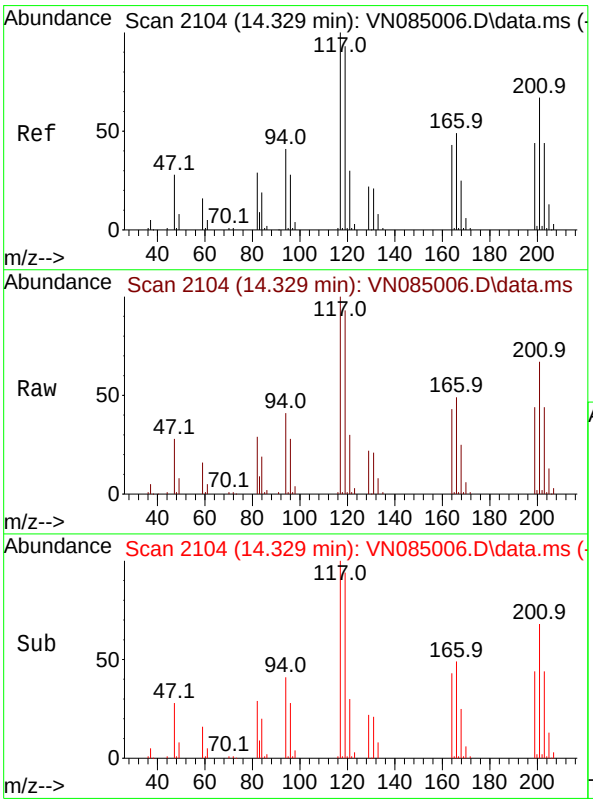
#89
n-Butylbenzene
Concen: 50.564 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 305730

Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.8	80.3
134	25.6	12.8	38.4

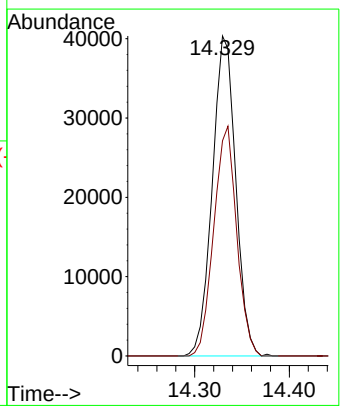


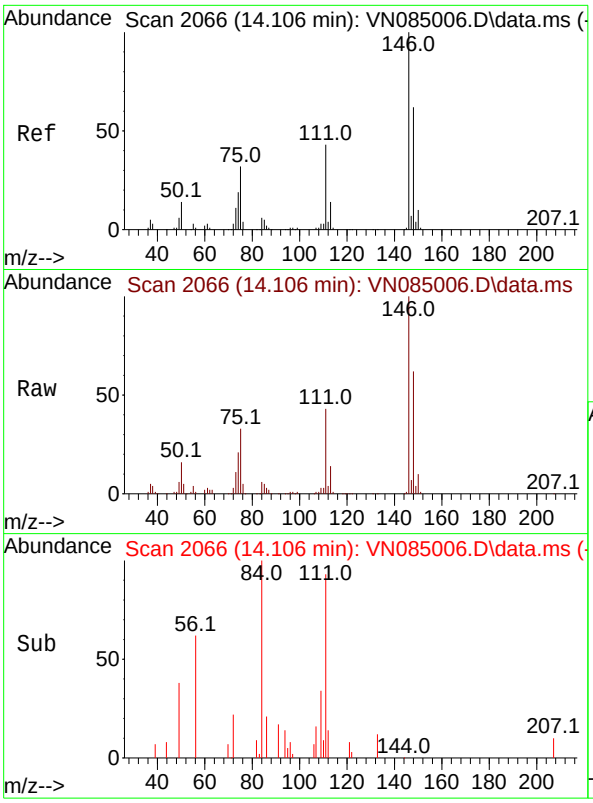


#90
Hexachloroethane
Concen: 49.001 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:117 Resp: 69444

Ion	Ratio	Lower	Upper
117	100		
201	70.4	35.2	105.6



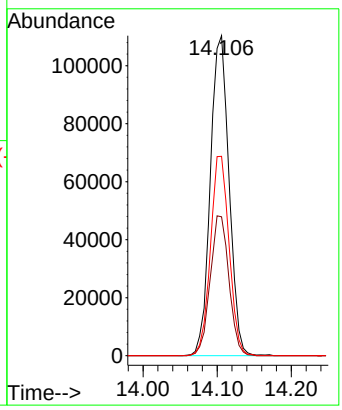


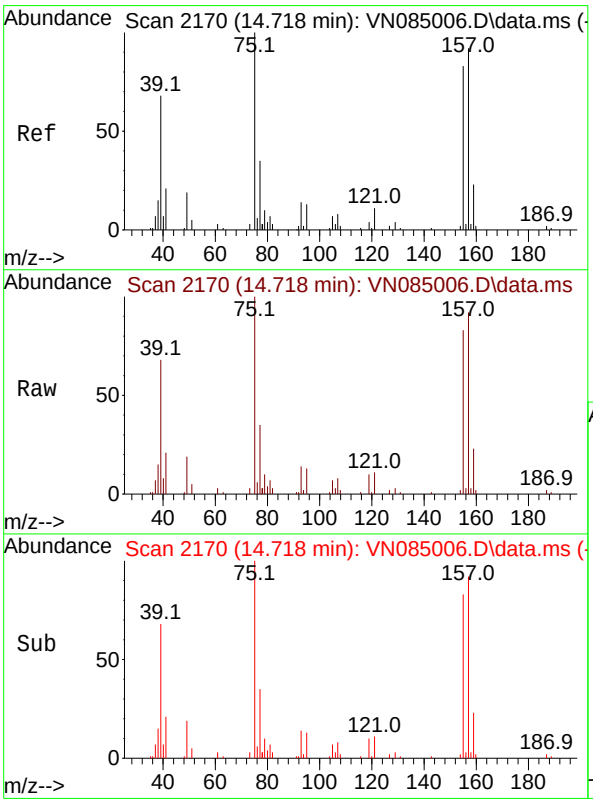
#91
1,2-Dichlorobenzene
Concen: 47.019 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 193123

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.9	65.8
148	62.1	31.1	93.2

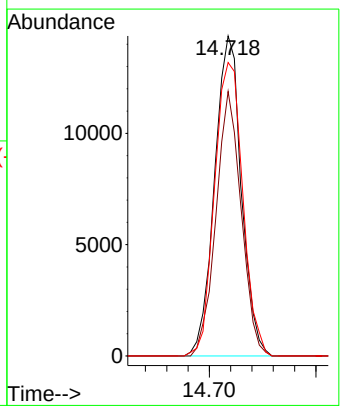


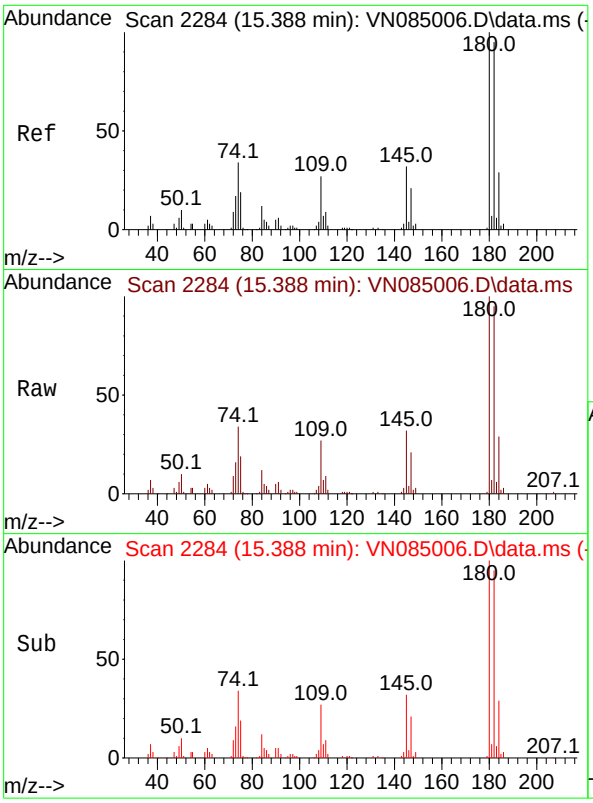


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.995 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 75 Resp: 25059

Ion	Ratio	Lower	Upper
75	100		
155	77.8	38.9	116.7
157	96.6	48.3	144.9



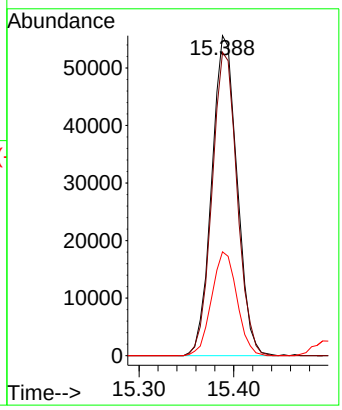


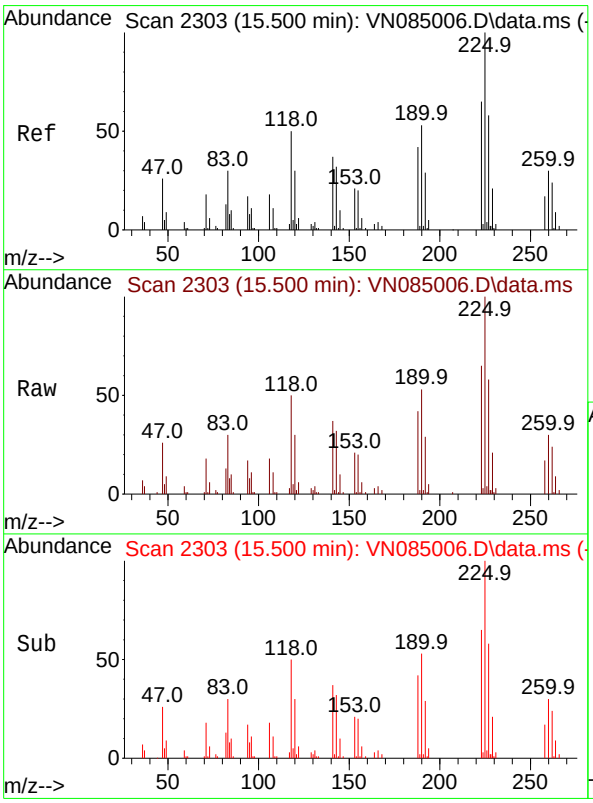
#93
1,2,4-Trichlorobenzene
Concen: 46.278 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 103265

Ion	Ratio	Lower	Upper
180	100		
182	93.9	46.9	140.8
145	32.5	16.3	48.8

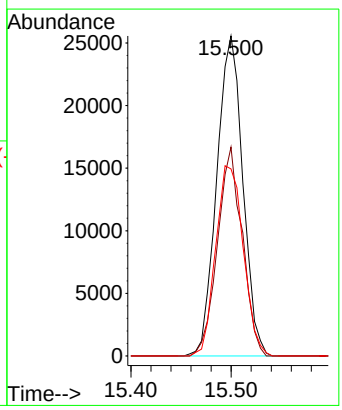


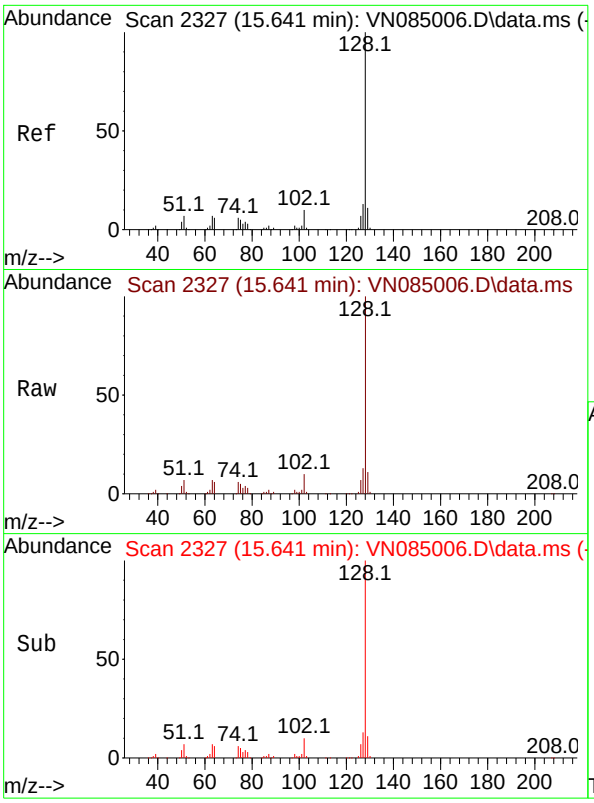


#94
Hexachlorobutadiene
Concen: 44.848 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:225 Resp: 46186

Ion	Ratio	Lower	Upper
225	100		
223	61.9	30.9	92.8
227	63.0	31.5	94.5



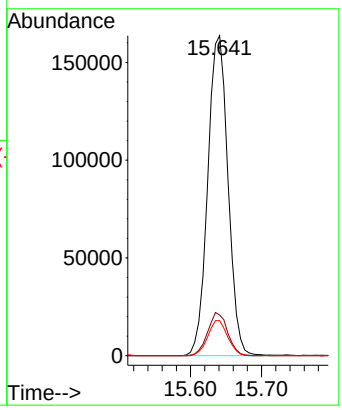


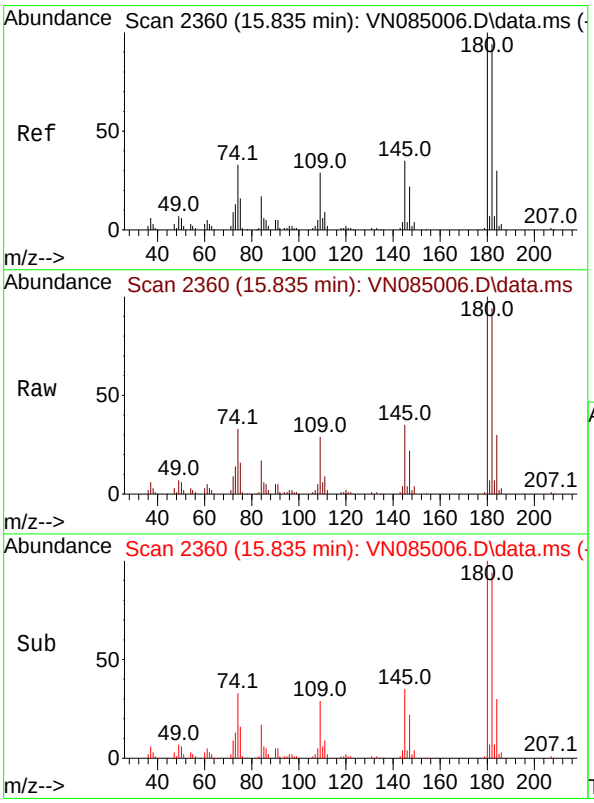
#95
Naphthalene
Concen: 51.063 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 324523

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	10.7	8.6	12.8

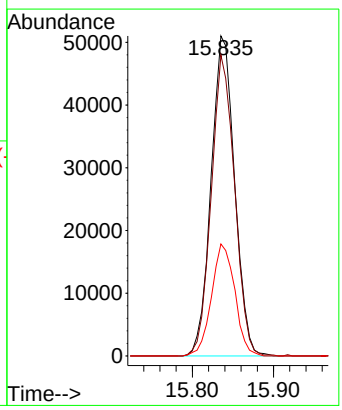




#96
1,2,3-Trichlorobenzene
Concen: 48.269 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:180 Resp: 102772

Ion	Ratio	Lower	Upper
180	100		
182	92.8	46.4	139.2
145	34.7	17.3	52.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085007.D
Acq On : 22 Nov 2024 12:10
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Nov 23 01:59:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	168636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	283685	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	240895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	116956	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	44399	18.483	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	36.960%#		
35) Dibromofluoromethane	8.159	113	35327	18.466	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	36.940%#		
50) Toluene-d8	10.565	98	130719	19.066	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	38.140%#		
62) 4-Bromofluorobenzene	12.847	95	48193	18.797	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	37.600%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	38229	20.048	ug/l	99
3) Chloromethane	2.359	50	40404	18.269	ug/l	91
4) Vinyl Chloride	2.512	62	39070	19.658	ug/l	94
5) Bromomethane	2.900	94	22076	19.817	ug/l	98
6) Chloroethane	3.071	64	25643	19.141	ug/l	98
7) Trichlorofluoromethane	3.471	101	67785	20.049	ug/l	94
8) Diethyl Ether	3.953	74	23514	20.434	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.359	101	38412	20.031	ug/l	99
10) Methyl Iodide	4.571	142	52498	20.683	ug/l	98
11) Tert butyl alcohol	5.536	59	30735	95.749	ug/l #	85
12) 1,1-Dichloroethene	4.330	96	36027	20.128	ug/l	97
13) Acrolein	4.177	56	20478	95.606	ug/l	96
14) Allyl chloride	5.006	41	59110	19.590	ug/l	99
15) Acrylonitrile	5.712	53	89152	98.100	ug/l	99
16) Acetone	4.430	43	69534	99.393	ug/l	96
17) Carbon Disulfide	4.694	76	103559	19.602	ug/l	96
18) Methyl Acetate	5.018	43	46954	20.318	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	119013	20.350	ug/l	98
20) Methylene Chloride	5.265	84	41741	19.553	ug/l	89
21) trans-1,2-Dichloroethene	5.777	96	38088	20.221	ug/l	98
22) Diisopropyl ether	6.665	45	122443	20.162	ug/l	99
23) Vinyl Acetate	6.594	43	431313	102.948	ug/l	99
24) 1,1-Dichloroethane	6.559	63	73105	20.116	ug/l	98
25) 2-Butanone	7.482	43	114635	100.226	ug/l	99
26) 2,2-Dichloropropane	7.482	77	66230	19.517	ug/l	97
27) cis-1,2-Dichloroethene	7.482	96	45307	19.953	ug/l	99
28) Bromochloromethane	7.806	49	27564	20.092	ug/l	99
29) Tetrahydrofuran	7.835	42	71566	100.618	ug/l	99
30) Chloroform	7.953	83	74495	19.270	ug/l	94
31) Cyclohexane	8.247	56	63521	19.852	ug/l	96
32) 1,1,1-Trichloroethane	8.159	97	68908	19.725	ug/l	97
36) 1,1-Dichloropropene	8.365	75	51535	19.888	ug/l	98
37) Ethyl Acetate	7.559	43	48436	20.561	ug/l	99
38) Carbon Tetrachloride	8.359	117	61594	20.593	ug/l	97
39) Methylcyclohexane	9.600	83	55102	20.464	ug/l	98
40) Benzene	8.600	78	163727	19.977	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085007.D
Acq On : 22 Nov 2024 12:10
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Nov 23 01:59:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	26011	19.942	ug/l		99
42) 1,2-Dichloroethane	8.665	62	56374	20.106	ug/l		99
43) Isopropyl Acetate	8.682	43	88647	18.116	ug/l		98
44) Trichloroethene	9.347	130	38334	20.127	ug/l		96
45) 1,2-Dichloropropane	9.618	63	39852	19.742	ug/l		96
46) Dibromomethane	9.706	93	28140	20.062	ug/l		98
47) Bromodichloromethane	9.882	83	59008	19.849	ug/l		97
48) Methyl methacrylate	9.676	41	36687	20.148	ug/l		98
49) 1,4-Dioxane	9.694	88	12977	410.958	ug/l	#	89
51) 4-Methyl-2-Pentanone	10.441	43	230239	103.015	ug/l		99
52) Toluene	10.629	92	100021	20.615	ug/l		99
53) t-1,3-Dichloropropene	10.829	75	61215	20.539	ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	64823	20.501	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	36732	20.326	ug/l		96
56) Ethyl methacrylate	10.871	69	55691	21.089	ug/l		98
57) 1,3-Dichloropropane	11.159	76	63314	19.906	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	137602	106.227	ug/l		100
59) 2-Hexanone	11.194	43	179717	107.514	ug/l		99
60) Dibromochloromethane	11.353	129	44450	20.126	ug/l		97
61) 1,2-Dibromoethane	11.465	107	37228	19.905	ug/l		99
64) Tetrachloroethene	11.100	164	32716	20.155	ug/l		93
65) Chlorobenzene	11.888	112	108255	19.815	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	37404	19.446	ug/l		98
67) Ethyl Benzene	11.959	91	181169	20.440	ug/l		98
68) m/p-Xylenes	12.070	106	141133	41.824	ug/l		99
69) o-Xylene	12.394	106	66013	20.565	ug/l		97
70) Styrene	12.406	104	113503	21.263	ug/l		99
71) Bromoform	12.576	173	28783	20.159	ug/l	#	98
73) Isopropylbenzene	12.694	105	168631	20.438	ug/l		100
74) N-amyl acetate	12.494	43	72208	21.238	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	53889	19.127	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	70585	32.262	ug/l		47
77) Bromobenzene	12.976	156	43298	19.500	ug/l		99
78) n-propylbenzene	13.035	91	196551	20.653	ug/l		99
79) 2-Chlorotoluene	13.123	91	128714	20.261	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	145726	21.048	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	18860	20.144	ug/l		99
82) 4-Chlorotoluene	13.217	91	133131	20.131	ug/l		99
83) tert-Butylbenzene	13.435	119	121188	20.344	ug/l		99
84) 1,2,4-Trimethylbenzene	13.476	105	149479	20.974	ug/l		99
85) sec-Butylbenzene	13.611	105	168068	20.885	ug/l		100
86) p-Isopropyltoluene	13.729	119	143841	21.653	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	83500	19.066	ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	85098	19.041	ug/l		99
89) n-Butylbenzene	14.053	91	122257	19.790	ug/l		100
90) Hexachloroethane	14.329	117	27899	19.267	ug/l		97
91) 1,2-Dichlorobenzene	14.106	146	82164	19.579	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10633	19.517	ug/l		96
93) 1,2,4-Trichlorobenzene	15.388	180	44383	19.467	ug/l		98
94) Hexachlorobutadiene	15.500	225	20642	19.618	ug/l		95
95) Naphthalene	15.641	128	132816	20.454	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	44145	20.293	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085007.D
Acq On : 22 Nov 2024 12:10
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Nov 23 01:59:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

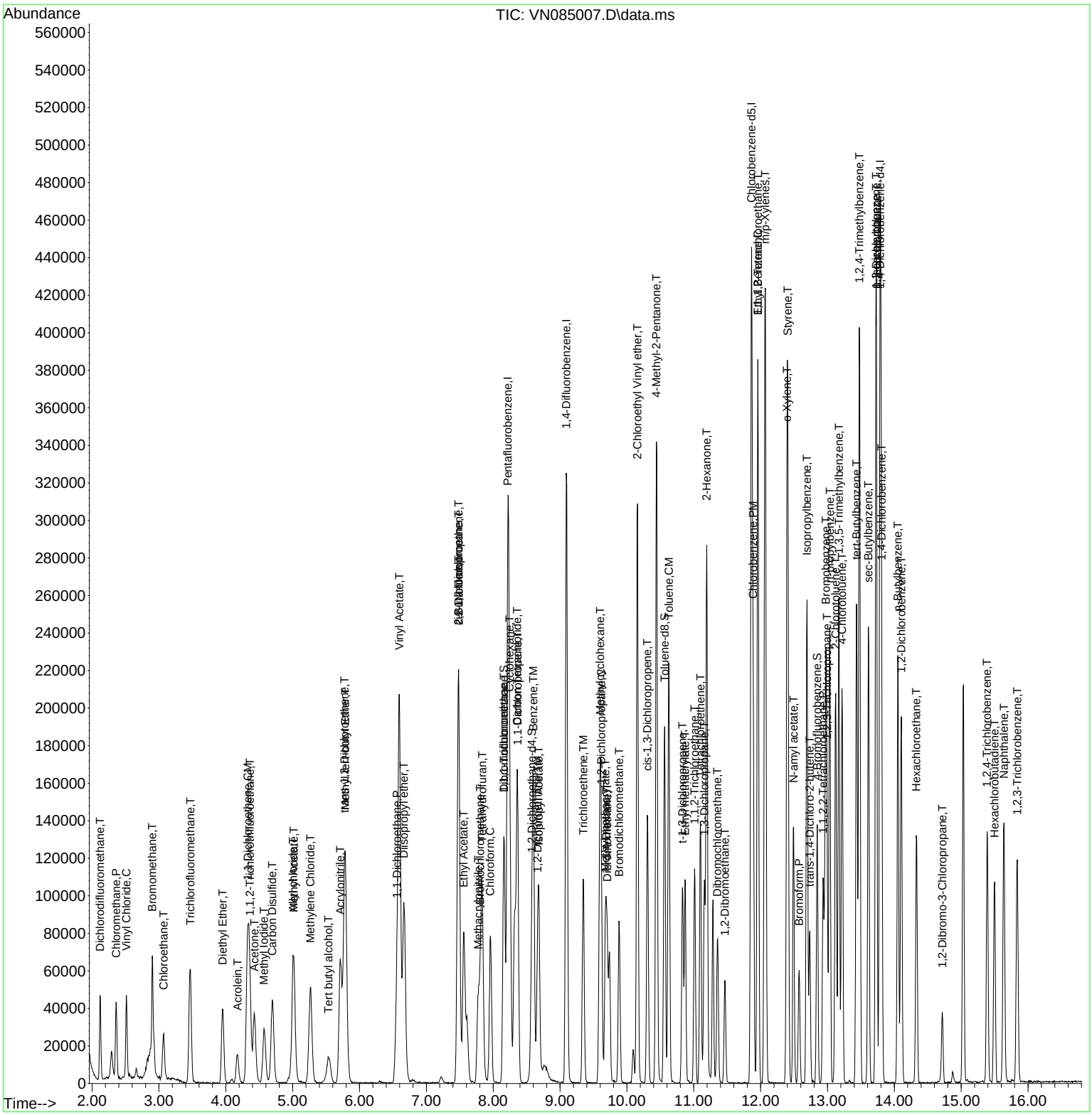
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

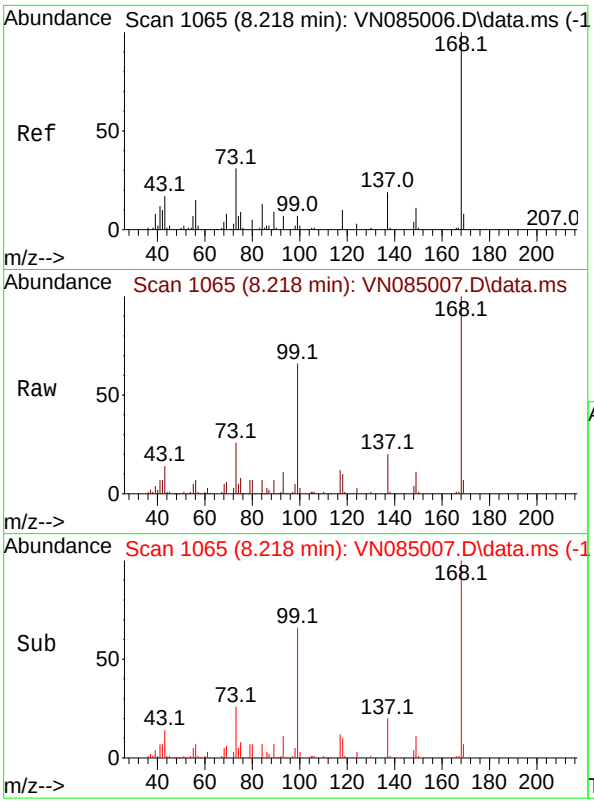
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085007.D
Acq On : 22 Nov 2024 12:10
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Nov 23 01:59:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration



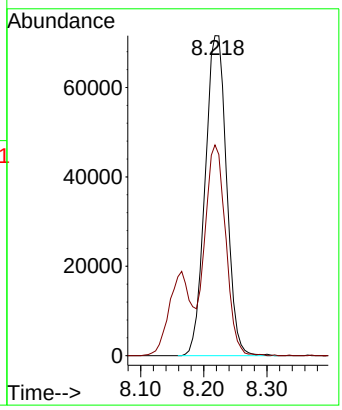


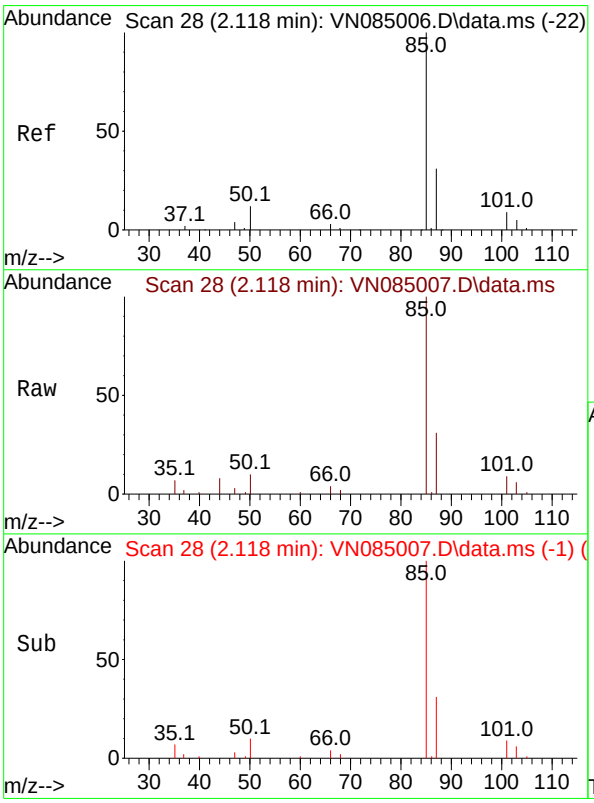
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 168636

Ion	Ratio	Lower	Upper
168	100		
99	65.9	51.2	76.8

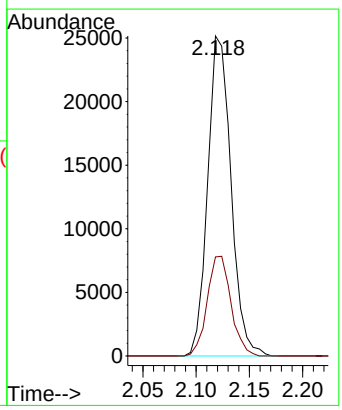


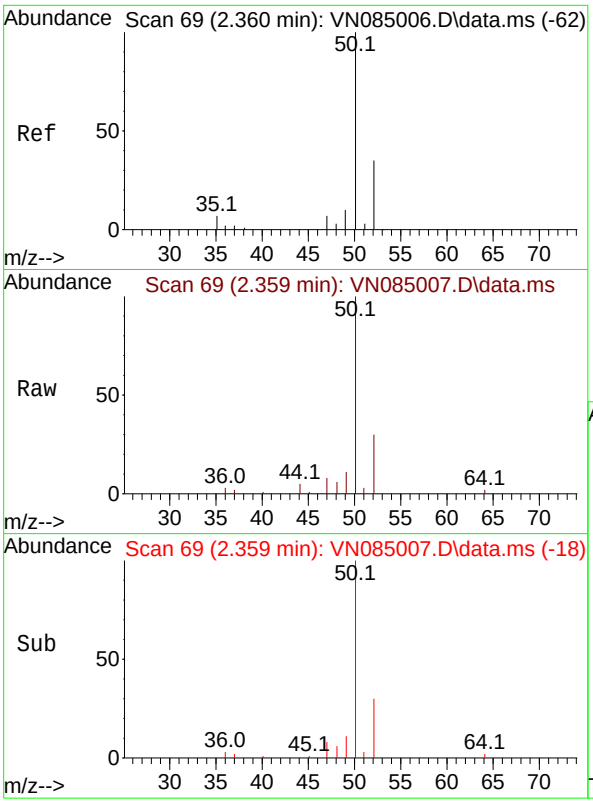


#2
Dichlorodifluoromethane
Concen: 20.048 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 85 Resp: 38229

Ion	Ratio	Lower	Upper
85	100		
87	30.9	15.7	47.1



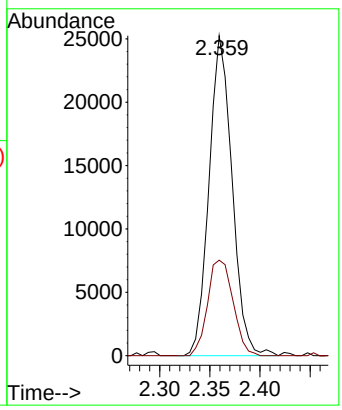


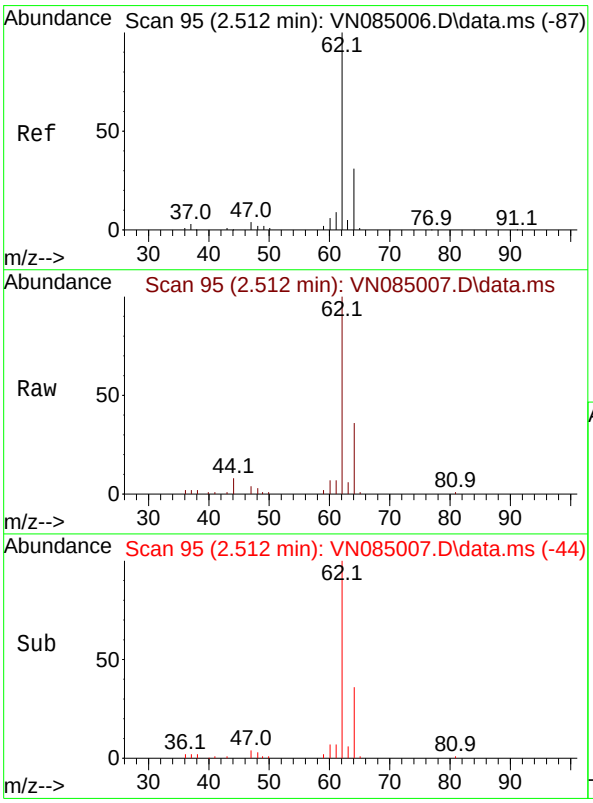
#3
Chloromethane
Concen: 18.269 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 40404

Ion	Ratio	Lower	Upper
50	100		
52	29.9	27.8	41.8

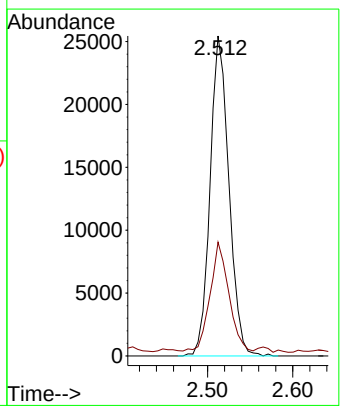


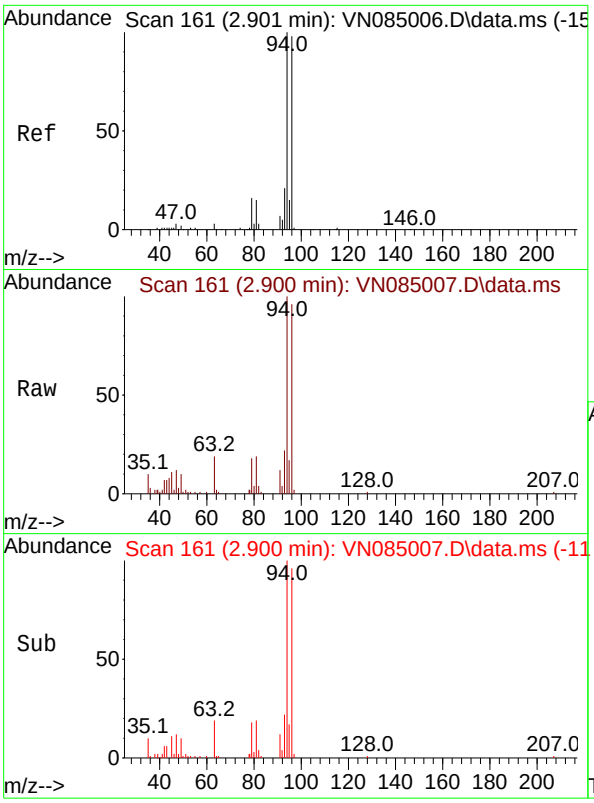


#4
Vinyl Chloride
Concen: 19.658 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 62 Resp: 39070

Ion	Ratio	Lower	Upper
62	100		
64	33.9	24.6	36.8



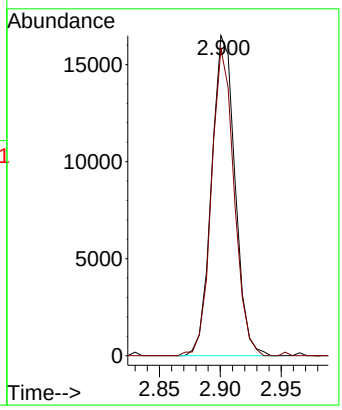


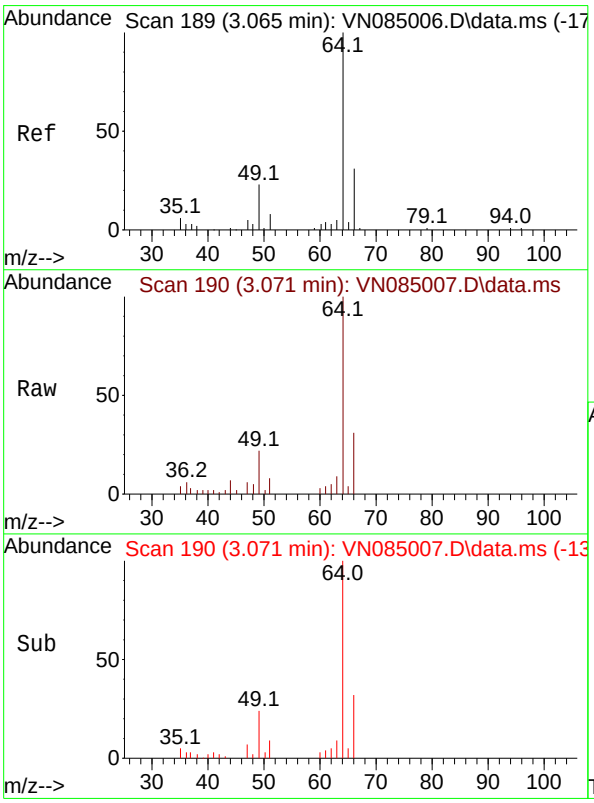
#5
Bromomethane
Concen: 19.817 ug/l
RT: 2.900 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 22076

Ion	Ratio	Lower	Upper
94	100		
96	96.0	78.7	118.1

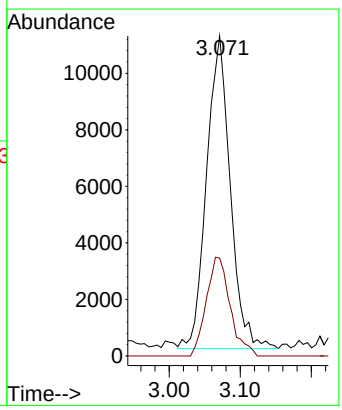


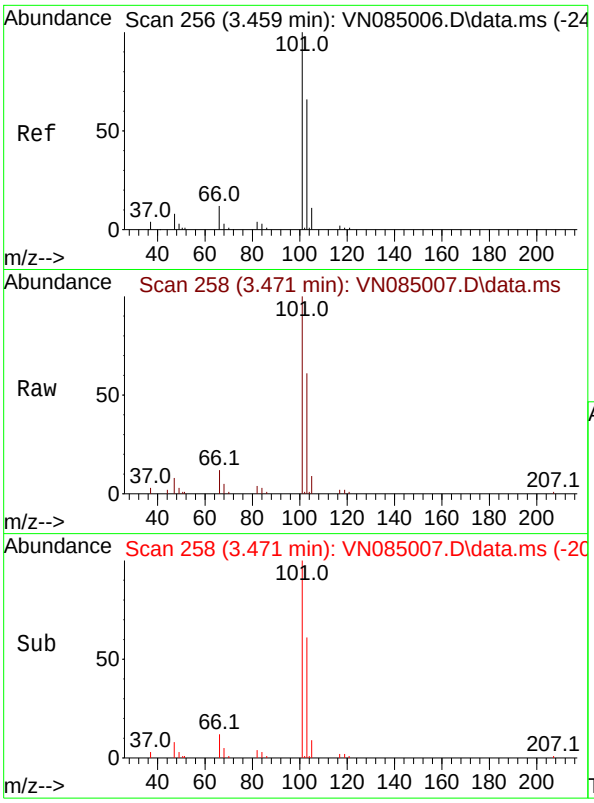


#6
Chloroethane
Concen: 19.141 ug/l
RT: 3.071 min Scan# 190
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 64 Resp: 25643

Ion	Ratio	Lower	Upper
64	100		
66	31.3	24.4	36.6



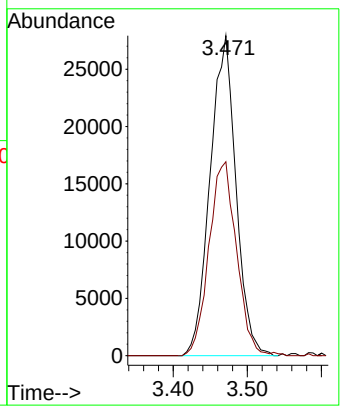


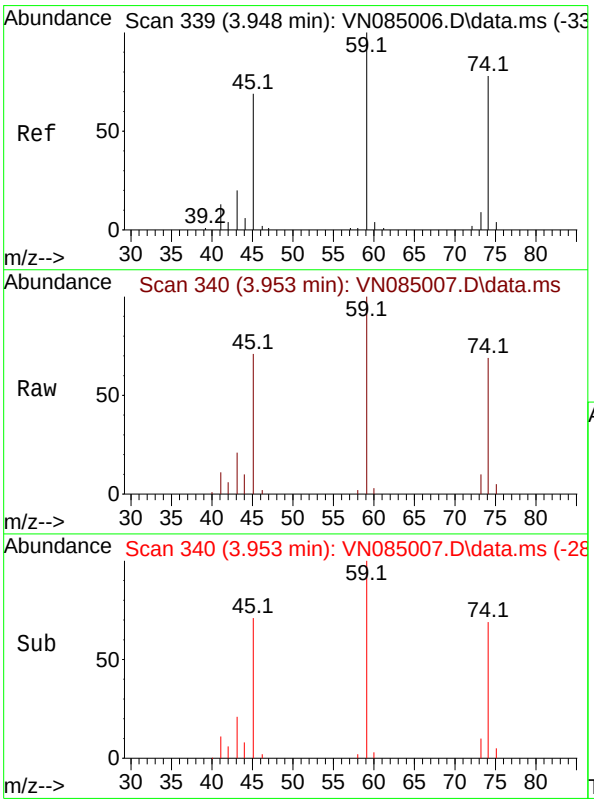
#7
Trichlorofluoromethane
Concen: 20.049 ug/l
RT: 3.471 min Scan# 2
Delta R.T. 0.012 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 67785

Ion	Ratio	Lower	Upper
101	100		
103	60.6	52.6	78.8

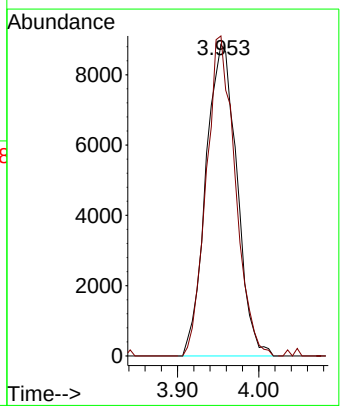


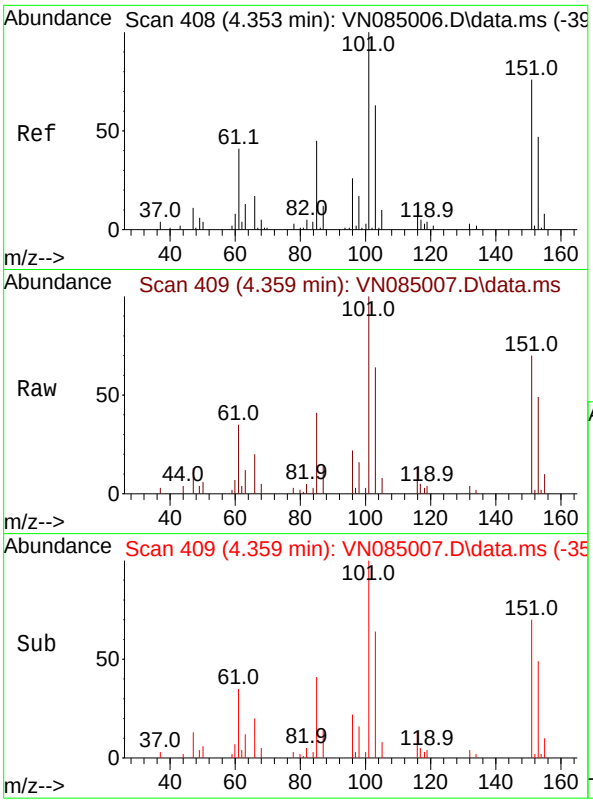


#8
Diethyl Ether
Concen: 20.434 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 74 Resp: 23514

Ion	Ratio	Lower	Upper
74	100		
45	95.8	46.7	140.1



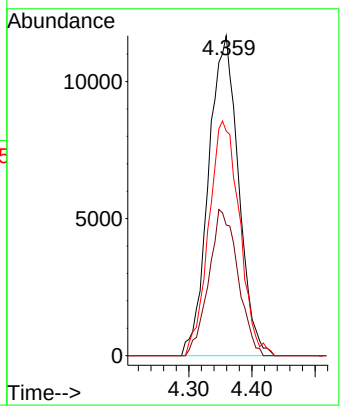


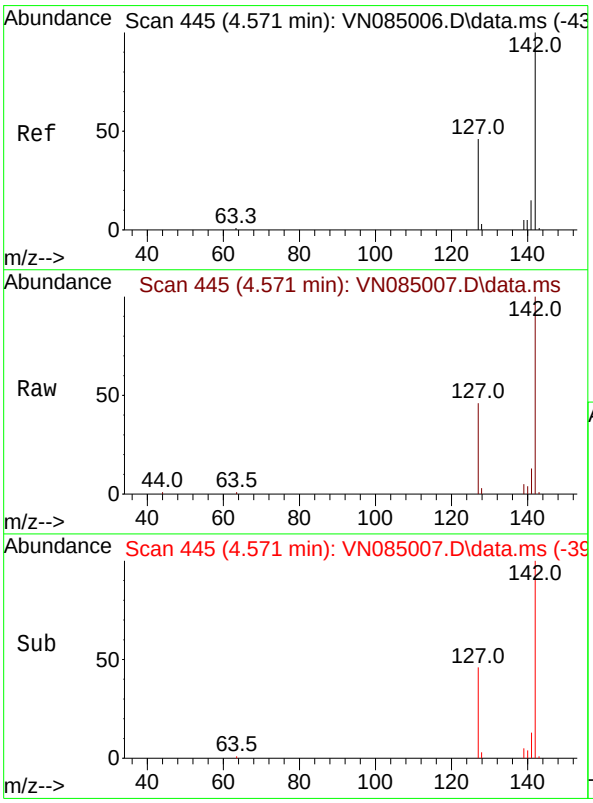
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.031 ug/l
RT: 4.359 min Scan# 4(
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 38412

Ion	Ratio	Lower	Upper
101	100		
85	44.4	36.9	55.3
151	75.5	60.8	91.2

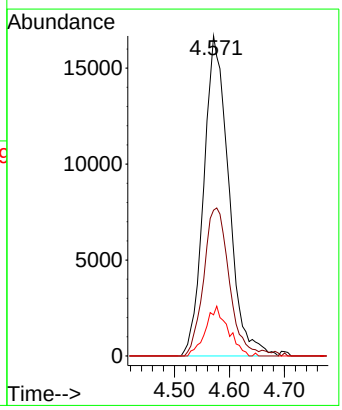


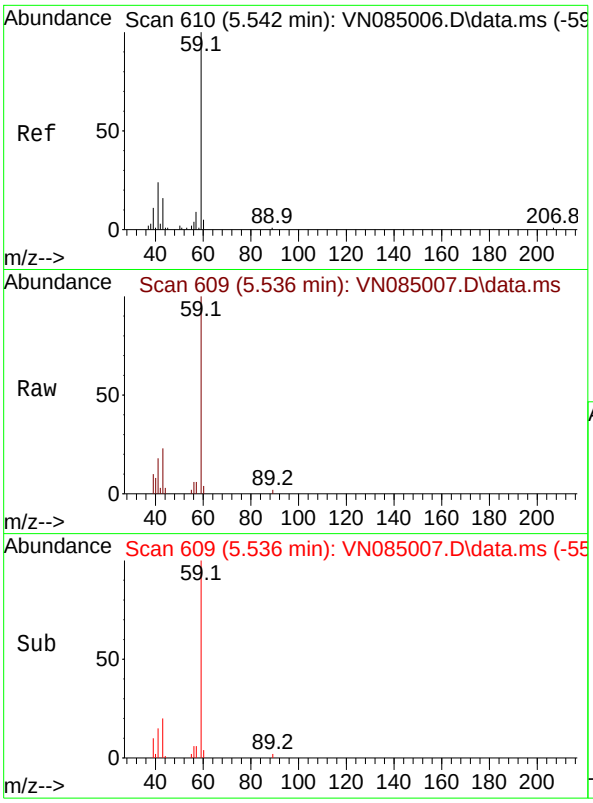


#10
Methyl Iodide
Concen: 20.683 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:142 Resp: 52498

Ion	Ratio	Lower	Upper
142	100		
127	45.5	36.6	54.8
141	12.9	12.2	18.4



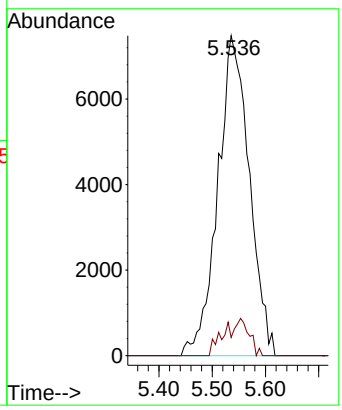


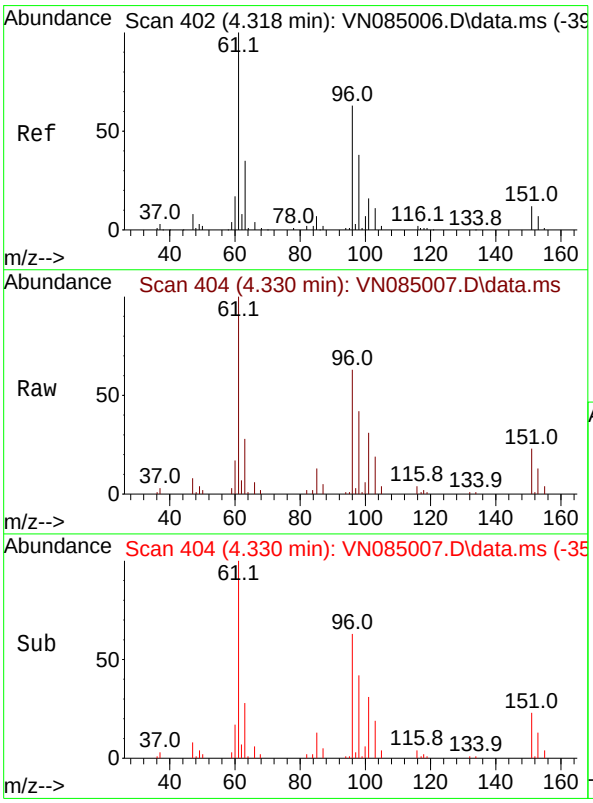
#11
Tert butyl alcohol
Concen: 95.749 ug/l
RT: 5.536 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 30735

Ion	Ratio	Lower	Upper
59	100		
57	3.7	7.4	11.0#

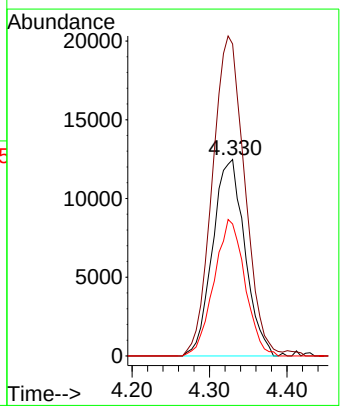


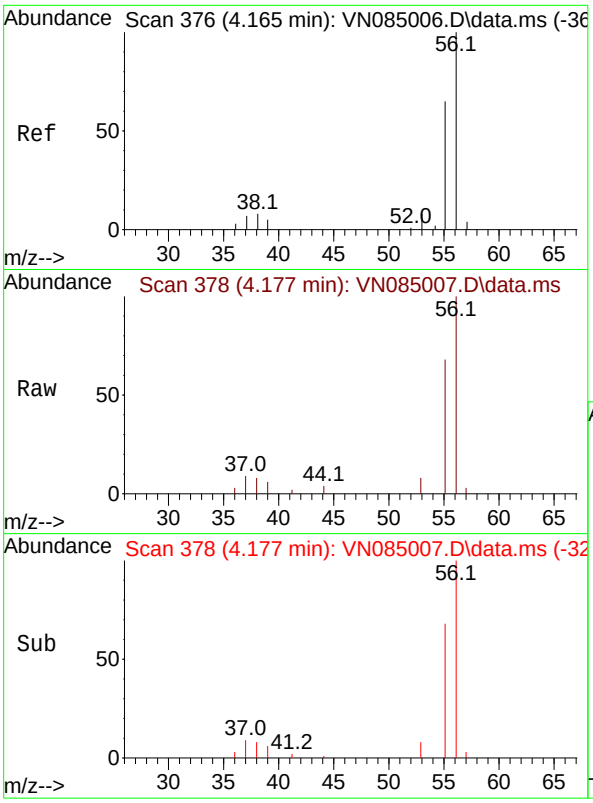


#12
1,1-Dichloroethene
Concen: 20.128 ug/l
RT: 4.330 min Scan# 404
Delta R.T. 0.012 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 96 Resp: 36027

Ion	Ratio	Lower	Upper
96	100		
61	158.7	127.8	191.8
98	67.1	49.2	73.8



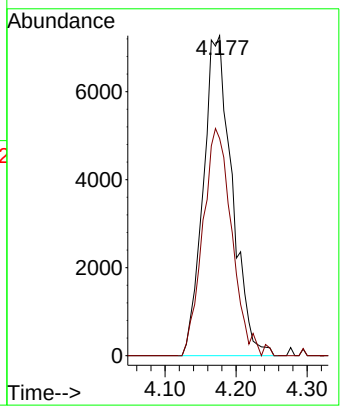


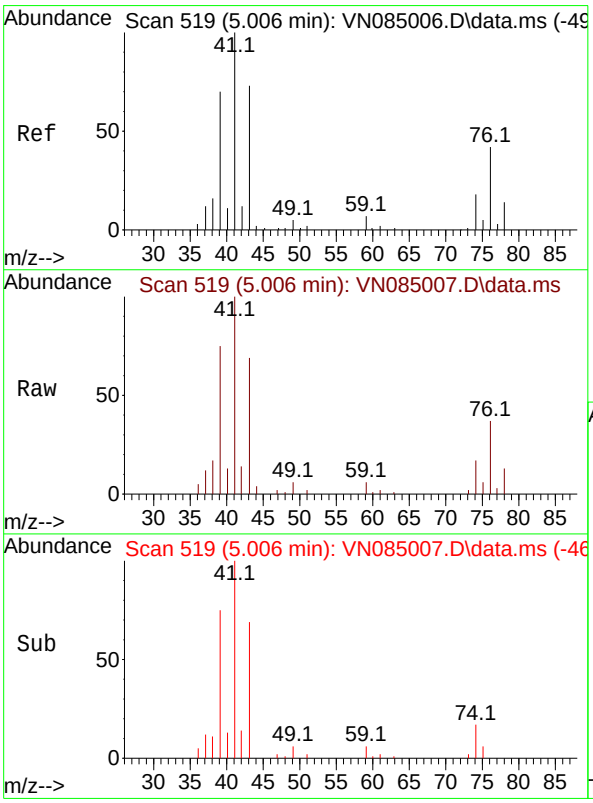
#13
Acrolein
Concen: 95.606 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.012 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 20478

Ion	Ratio	Lower	Upper
56	100		
55	71.2	54.5	81.7

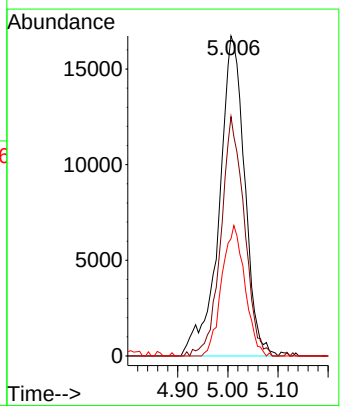


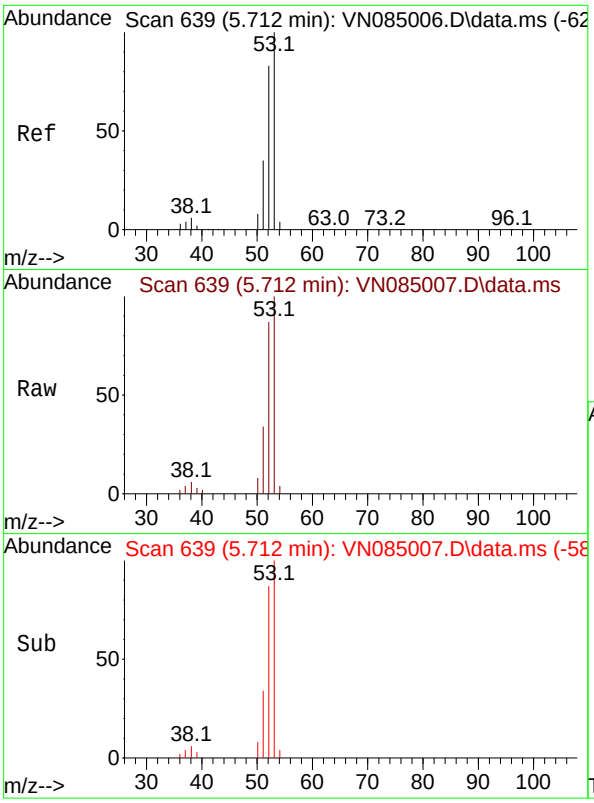


#14
Allyl chloride
Concen: 19.590 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 41 Resp: 59110

Ion	Ratio	Lower	Upper
41	100		
39	68.7	53.8	80.8
76	36.9	29.3	43.9



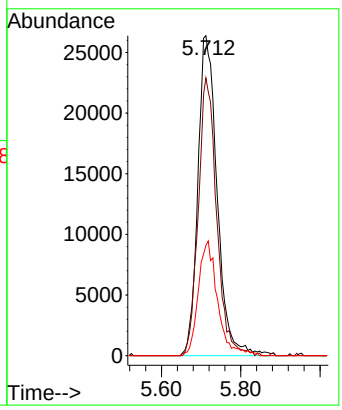


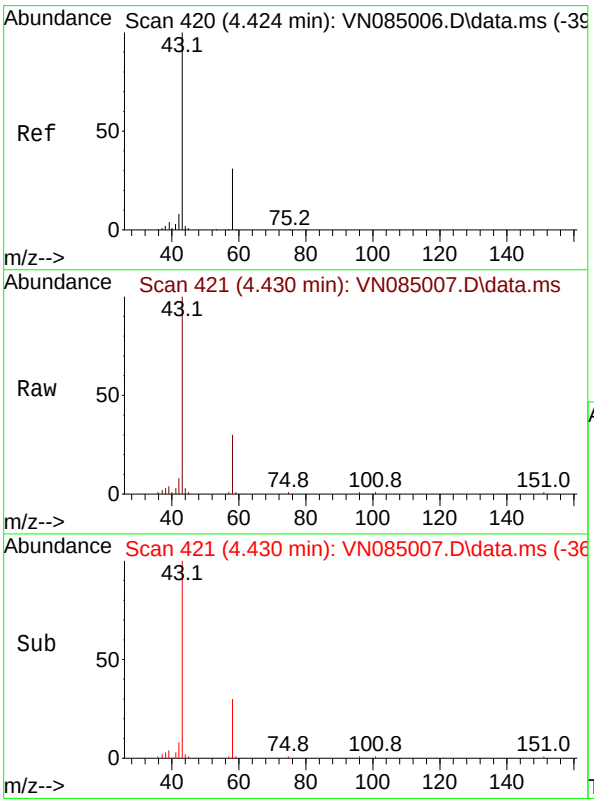
#15
Acrylonitrile
Concen: 98.100 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 89152

Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.5	98.3
51	35.8	28.4	42.6

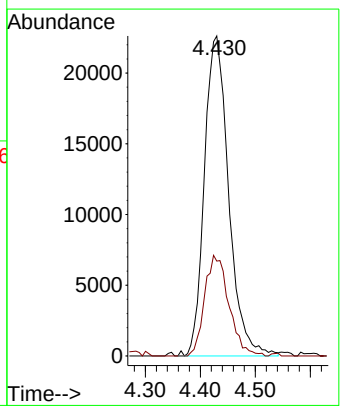


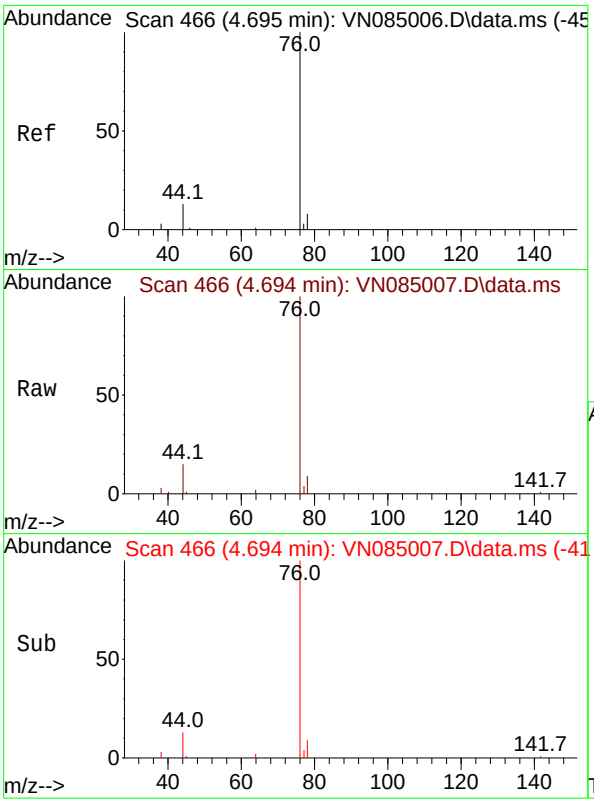


#16
Acetone
Concen: 99.393 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 43 Resp: 69534

Ion	Ratio	Lower	Upper
43	100		
58	29.6	25.4	38.2



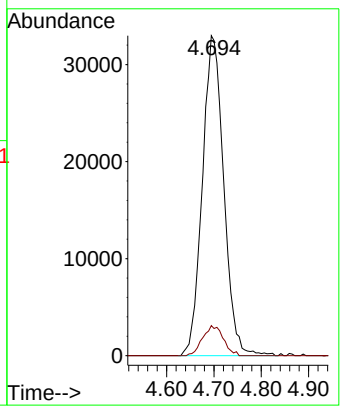


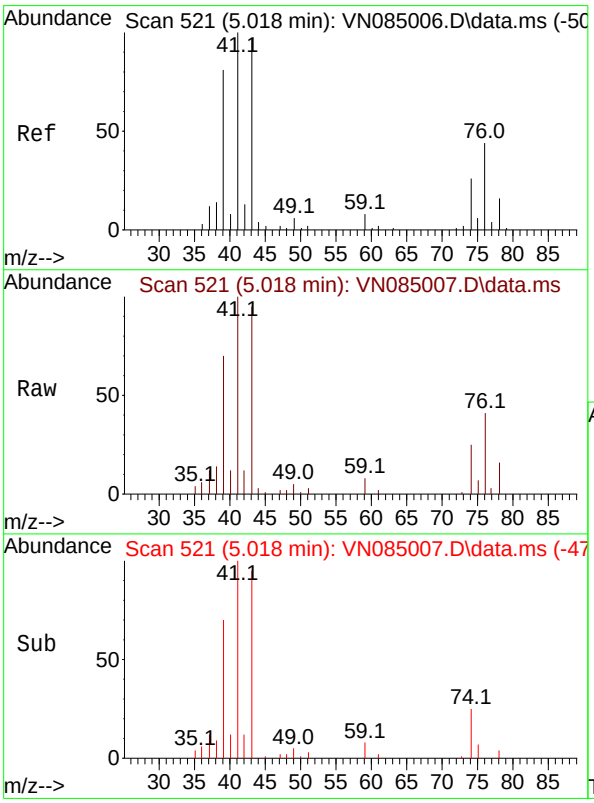
#17
Carbon Disulfide
Concen: 19.602 ug/l
RT: 4.694 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 103559

Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.5	9.7

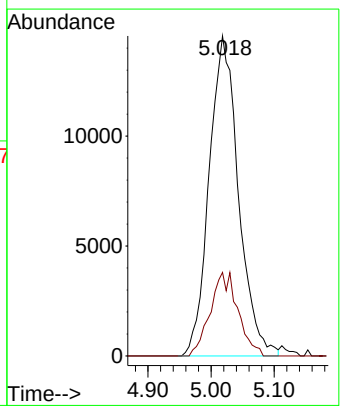


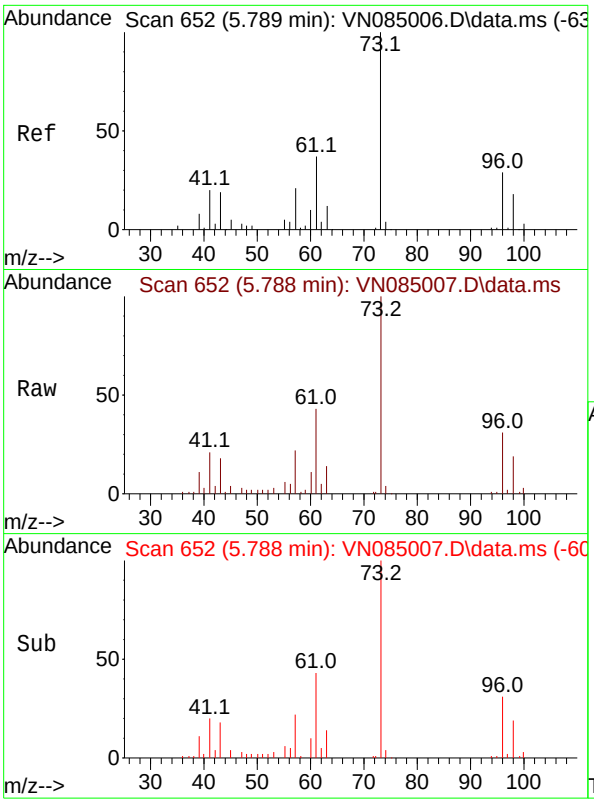


#18
Methyl Acetate
Concen: 20.318 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 43 Resp: 46954

Ion	Ratio	Lower	Upper
43	100		
74	24.7	20.1	30.1



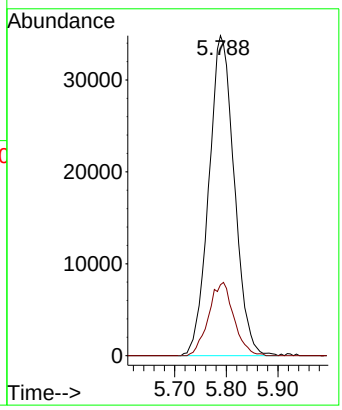


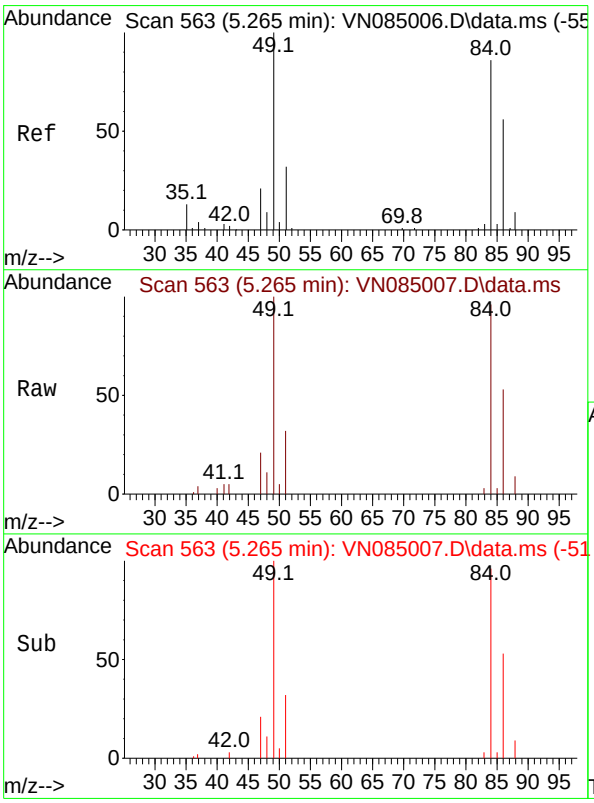
#19
Methyl tert-butyl Ether
Concen: 20.350 ug/l
RT: 5.788 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 119013

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.0	25.4

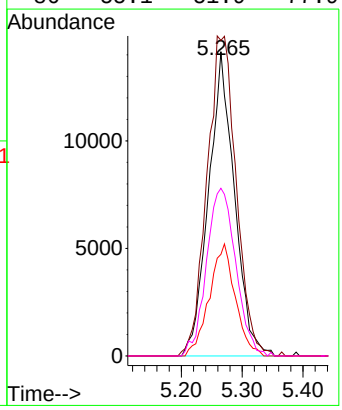


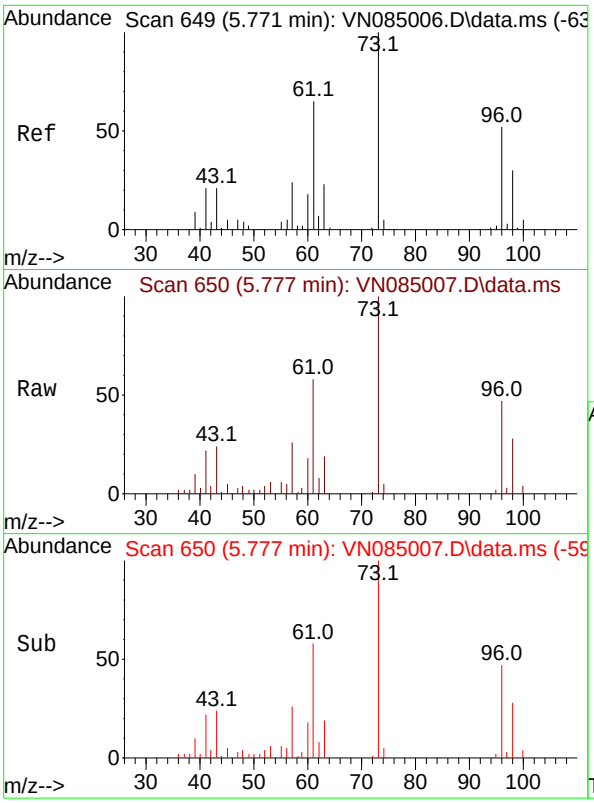


#20
Methylene Chloride
Concen: 19.553 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 84 Resp: 41741

Ion	Ratio	Lower	Upper
84	100		
49	103.7	92.7	139.1
51	33.4	29.4	44.2
86	55.1	51.9	77.9



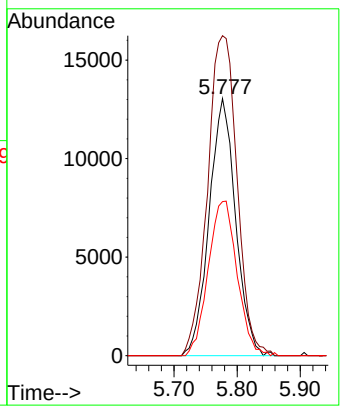


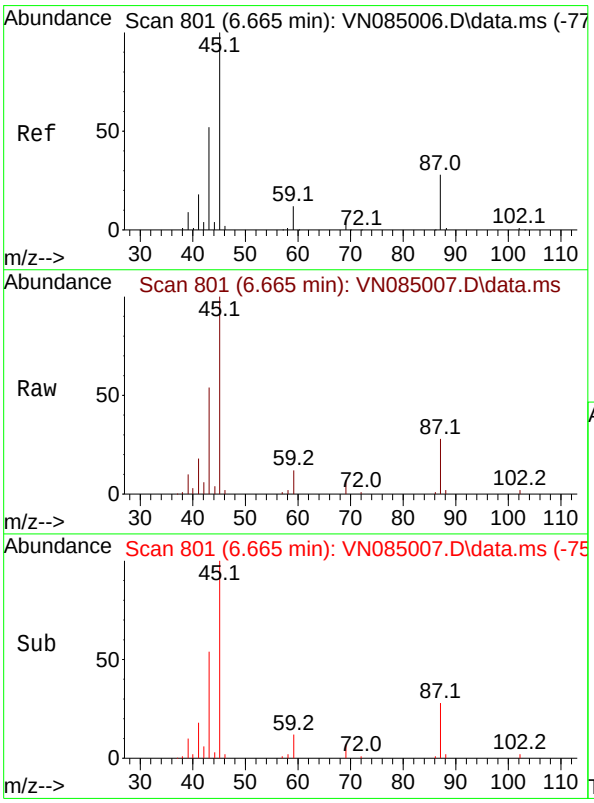
#21
trans-1,2-Dichloroethene
Concen: 20.221 ug/l
RT: 5.777 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 38088

Ion	Ratio	Lower	Upper
96	100		
61	124.5	100.7	151.1
98	60.0	45.8	68.6

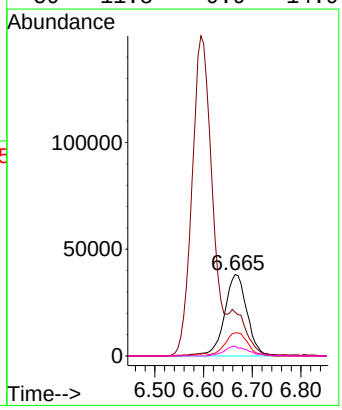


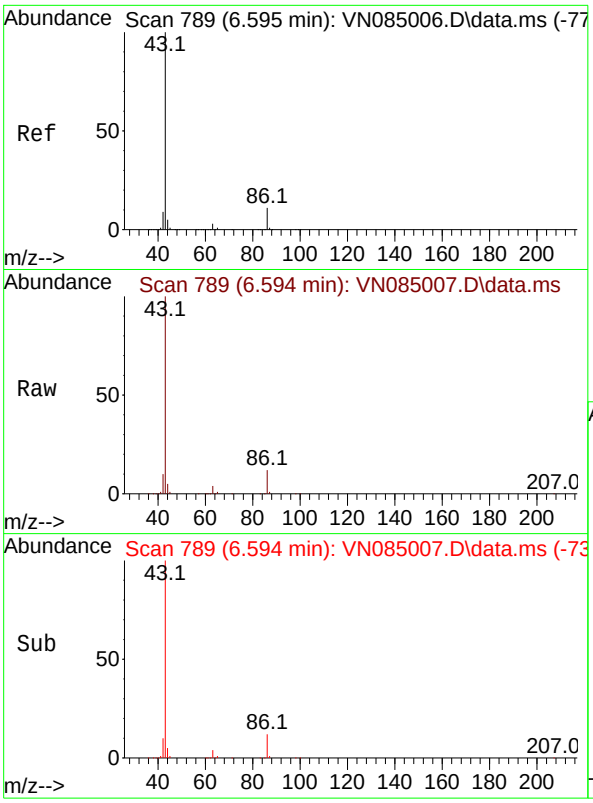


#22
Diisopropyl ether
Concen: 20.162 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 45 Resp: 122443

Ion	Ratio	Lower	Upper
45	100		
43	52.2	42.7	64.1
87	28.2	22.6	34.0
59	11.8	9.9	14.9



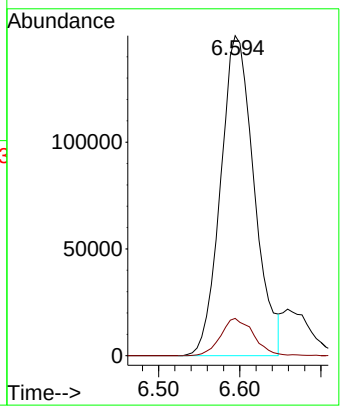


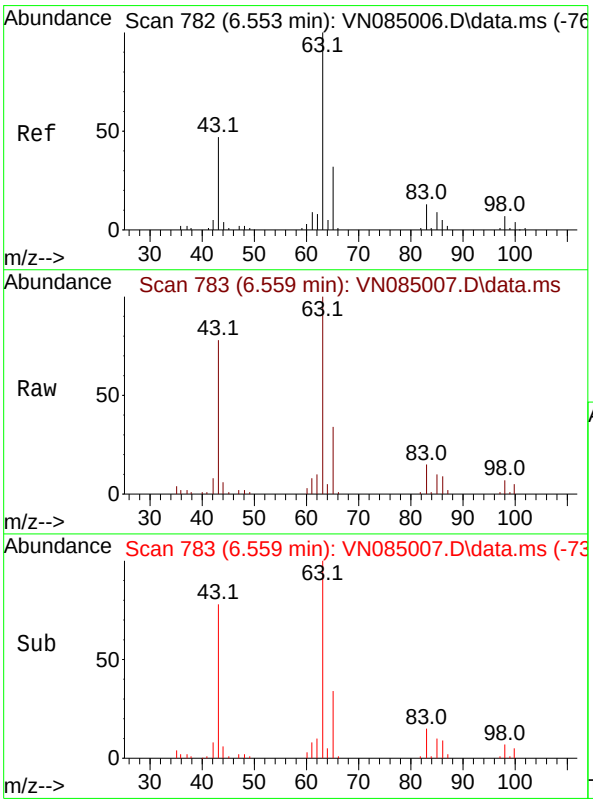
#23
Vinyl Acetate
Concen: 102.948 ug/l
RT: 6.594 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 431313

Ion	Ratio	Lower	Upper
43	100		
86	11.6	8.9	13.3

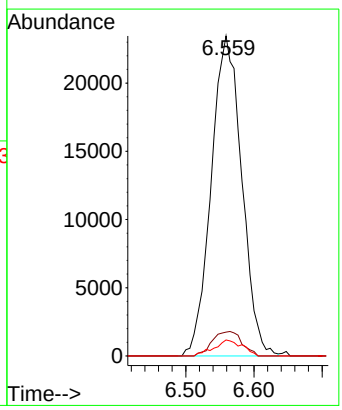


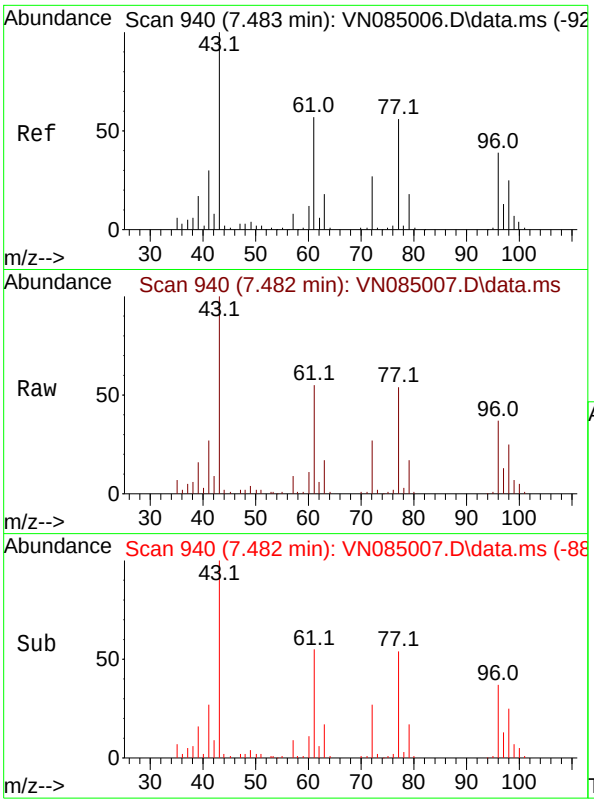


#24
1,1-Dichloroethane
Concen: 20.116 ug/l
RT: 6.559 min Scan# 783
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 63 Resp: 73105

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.3	9.8
100	5.0	2.2	6.6



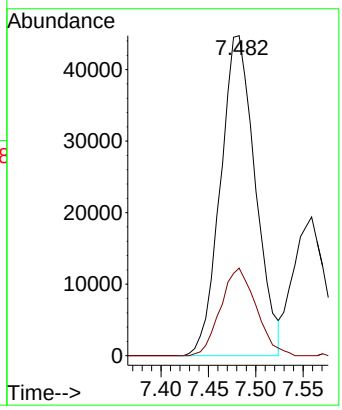


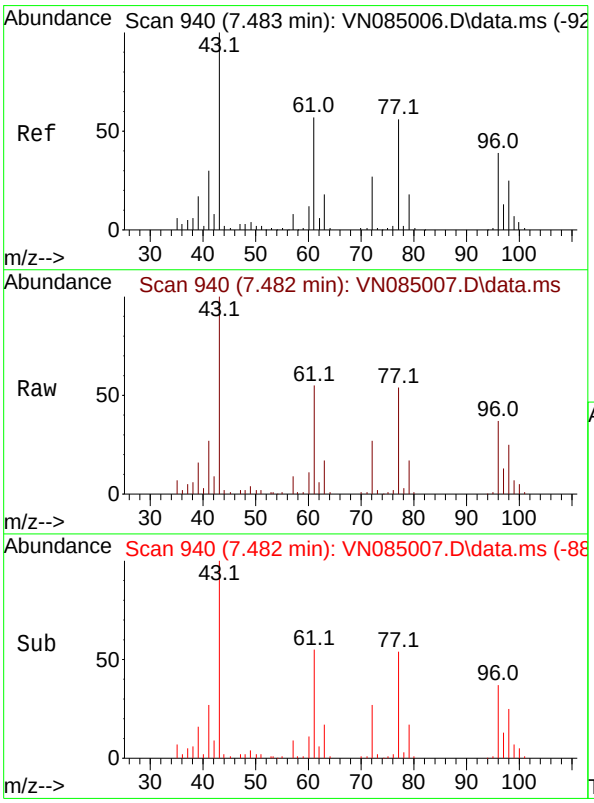
#25
2-Butanone
Concen: 100.226 ug/l
RT: 7.482 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 114635

Ion	Ratio	Lower	Upper
43	100		
72	27.4	21.4	32.0

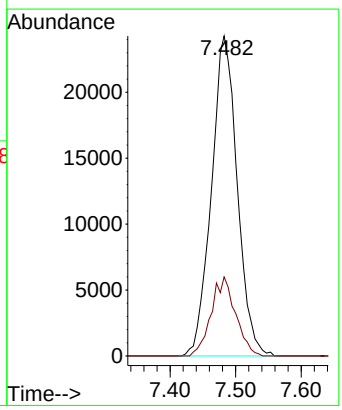


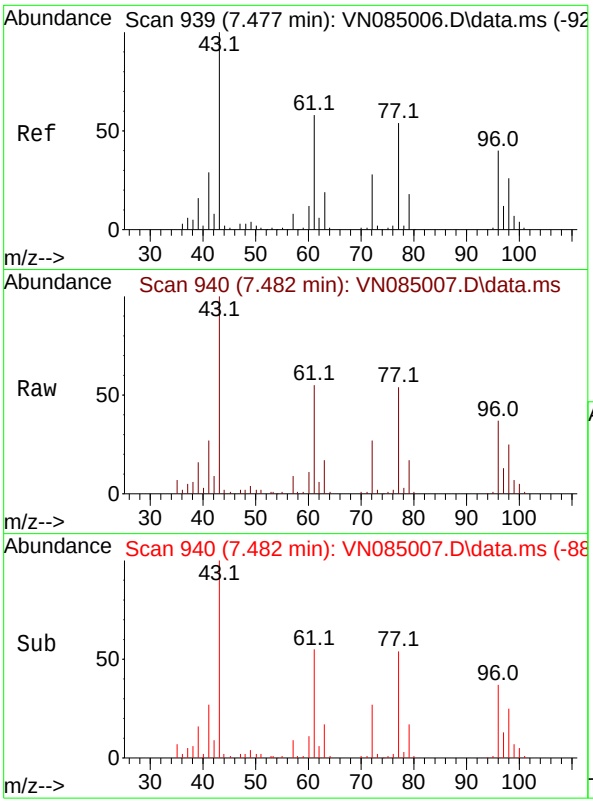


#26
2,2-Dichloropropane
Concen: 19.517 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 77 Resp: 66230

Ion	Ratio	Lower	Upper
77	100		
97	23.4	10.9	32.7



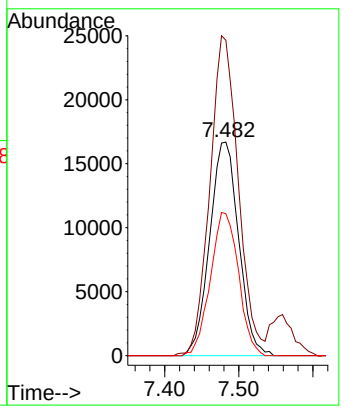


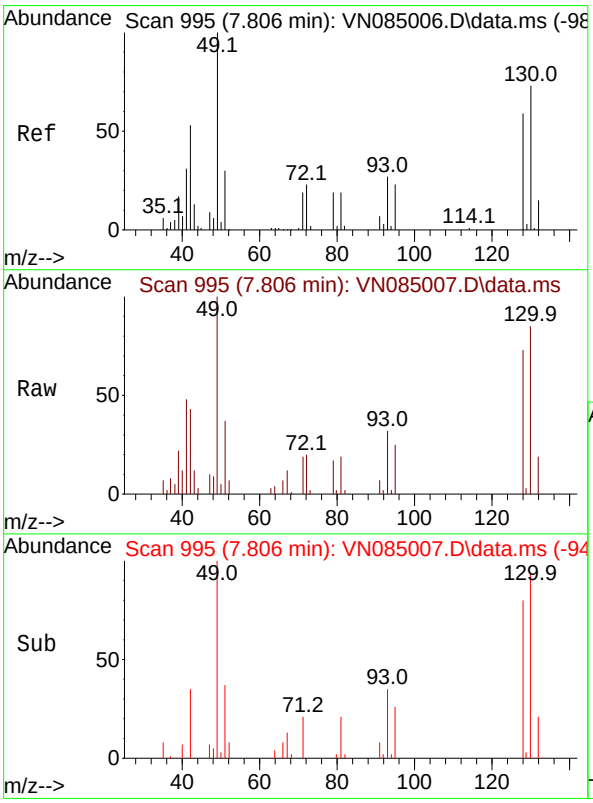
#27
cis-1,2-Dichloroethene
Concen: 19.953 ug/l
RT: 7.482 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 45307

Ion	Ratio	Lower	Upper
96	100		
61	147.1	0.0	291.6
98	65.1	0.0	129.8

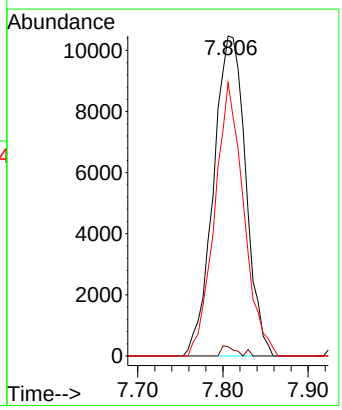


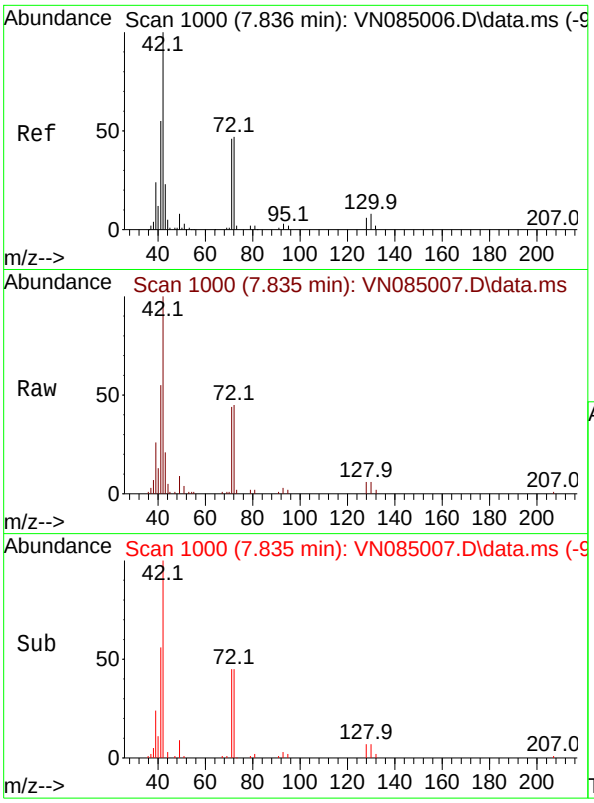


#28
Bromochloromethane
Concen: 20.092 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 49 Resp: 27564

Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.0
130	77.0	60.6	90.8



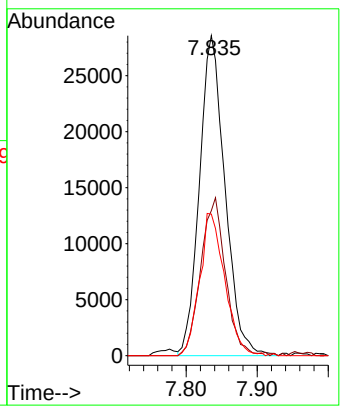


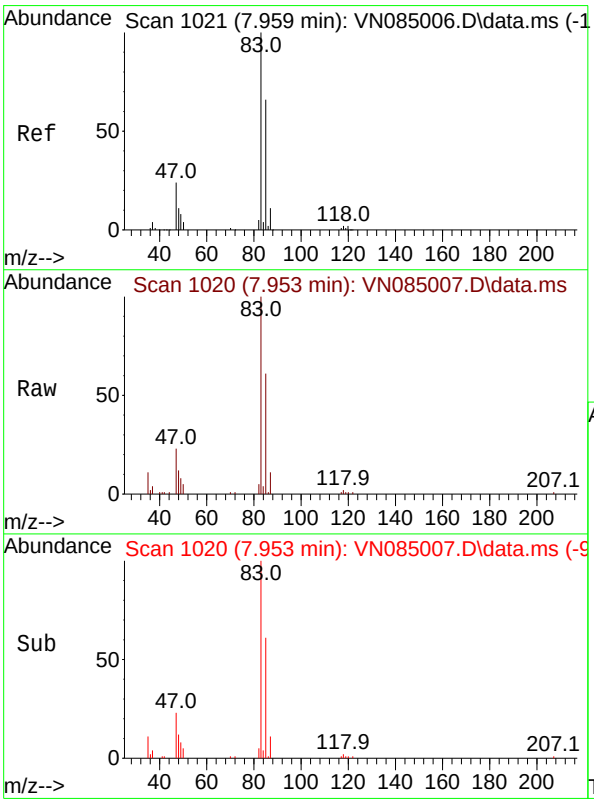
#29
Tetrahydrofuran
Concen: 100.618 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 71566

Ion	Ratio	Lower	Upper
42	100		
72	47.8	37.0	55.4
71	43.8	35.0	52.4

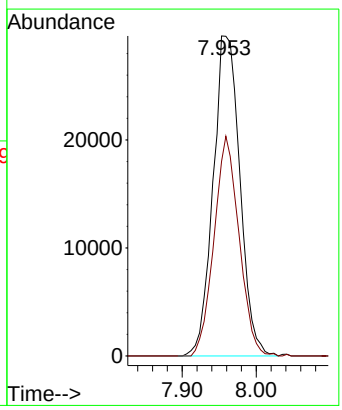


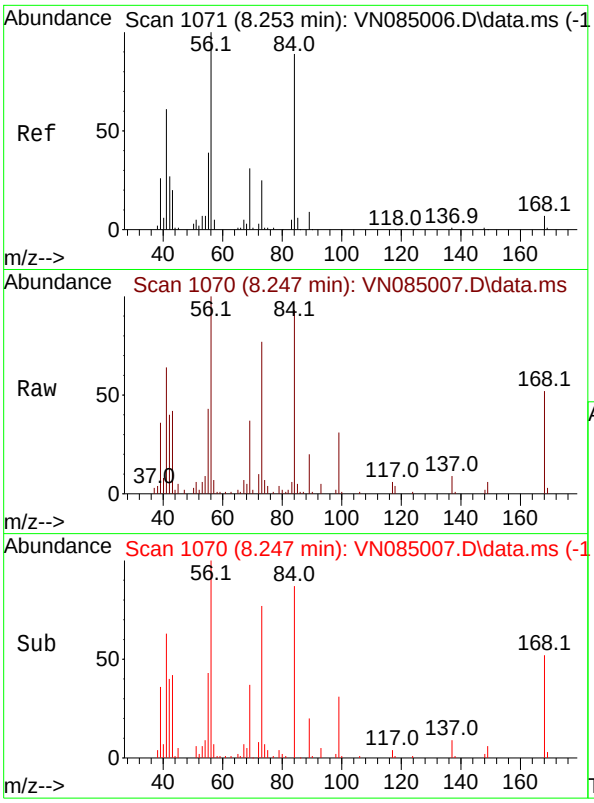


#30
Chloroform
Concen: 19.270 ug/l
RT: 7.953 min Scan# 1020
Delta R.T. -0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 83 Resp: 74495

Ion	Ratio	Lower	Upper
83	100		
85	60.8	52.6	78.8



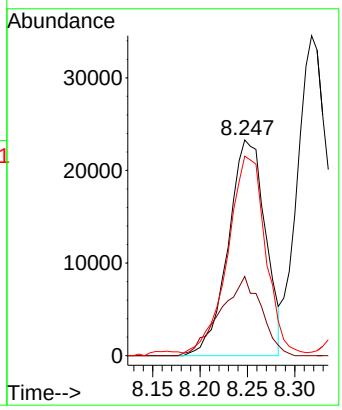


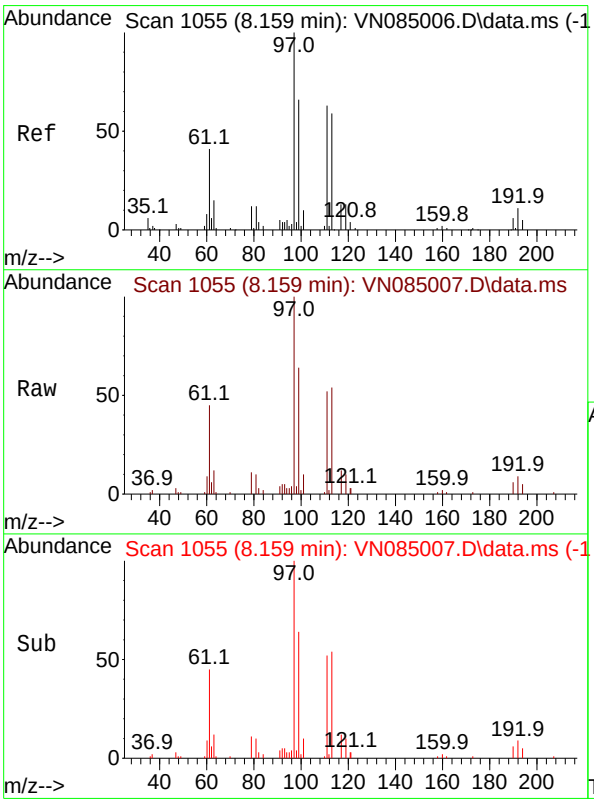
#31
Cyclohexane
Concen: 19.852 ug/l
RT: 8.247 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 63521

Ion	Ratio	Lower	Upper
56	100		
69	36.7	24.6	36.8
84	90.7	71.4	107.2

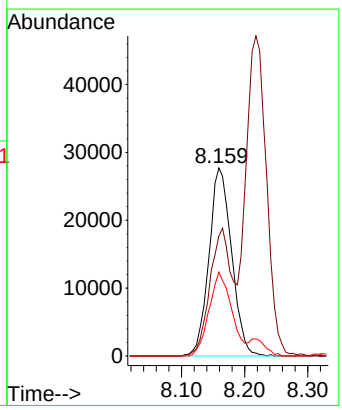


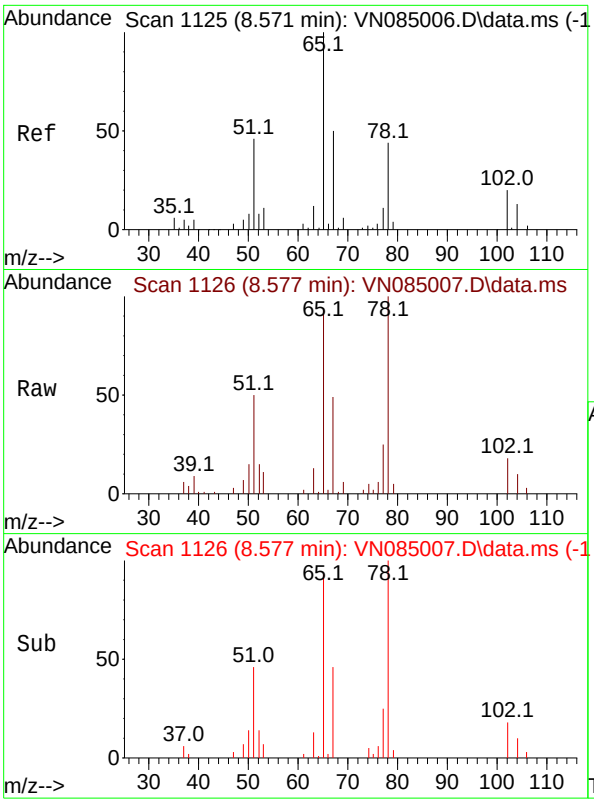


#32
1,1,1-Trichloroethane
Concen: 19.725 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 97 Resp: 68908

Ion	Ratio	Lower	Upper
97	100		
99	67.5	51.0	76.4
61	44.3	36.2	54.2



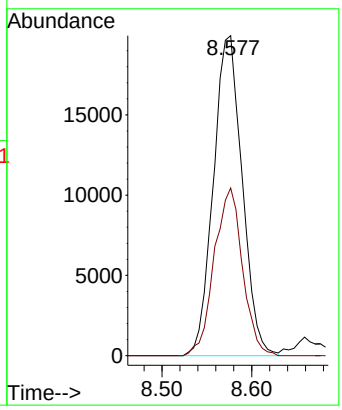


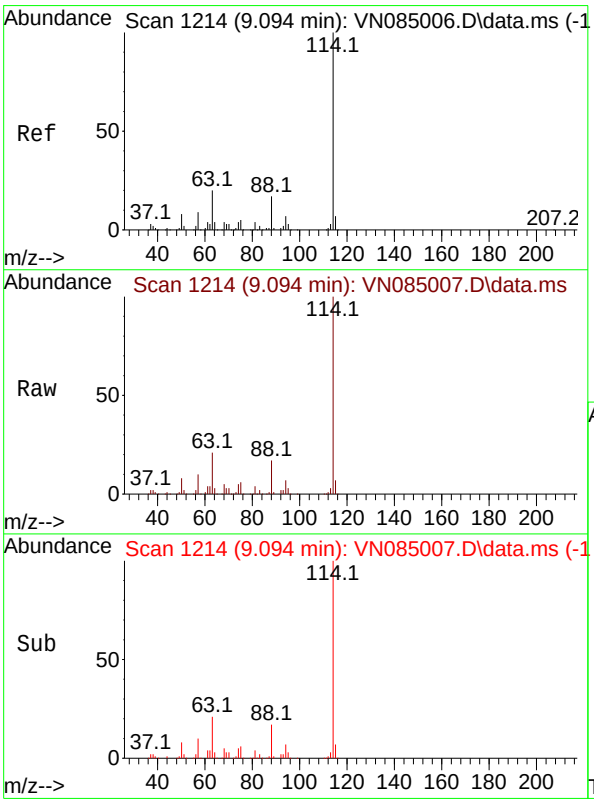
#33
1,2-Dichloroethane-d4
Concen: 18.483 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 44399

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	105.0

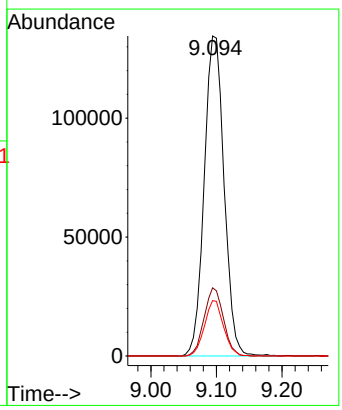


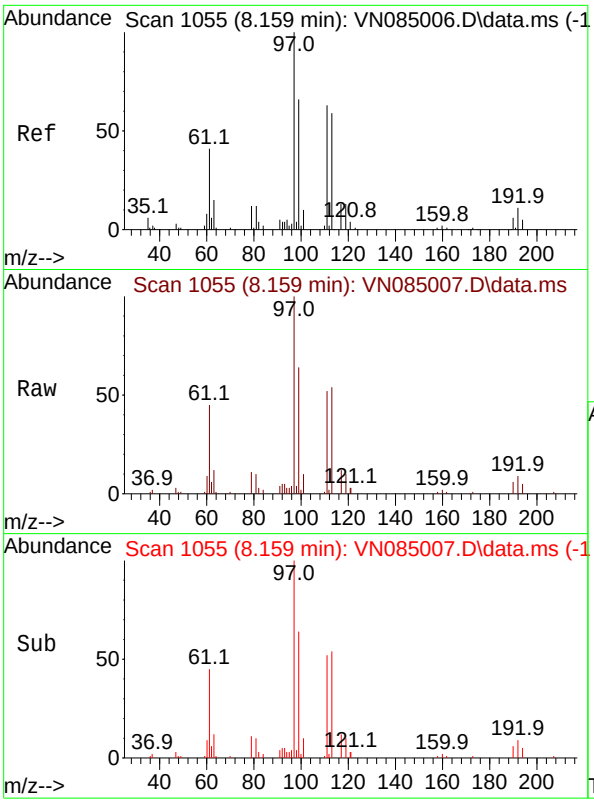


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:114 Resp: 283685

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	41.0
88	17.3	0.0	34.8



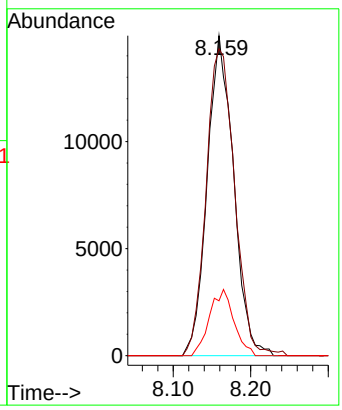


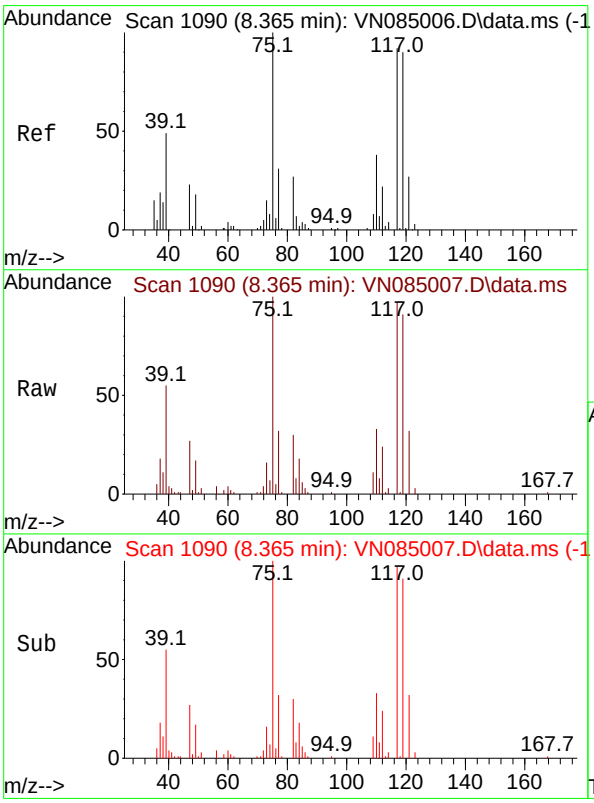
#35
Dibromofluoromethane
Concen: 18.466 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 35327

Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.0	123.0
192	19.2	14.8	22.2

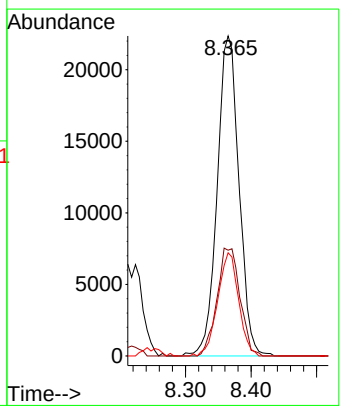


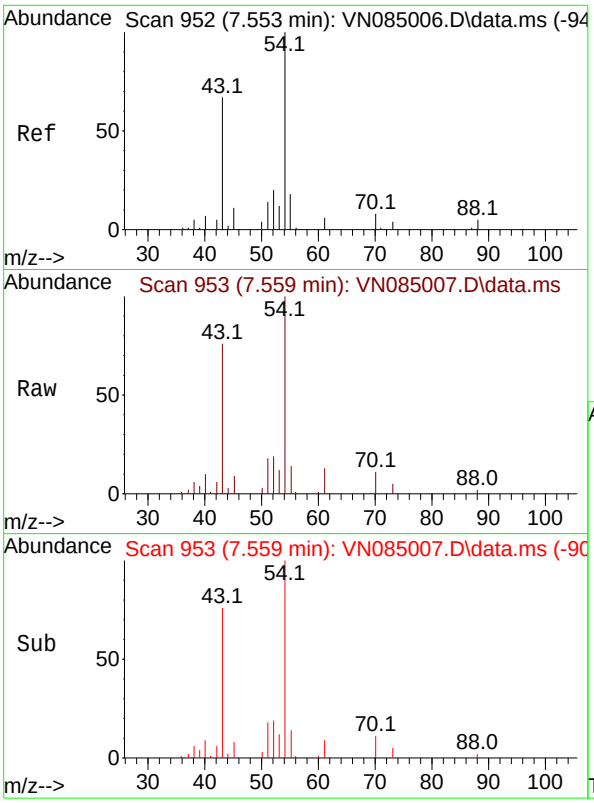


#36
1,1-Dichloropropene
Concen: 19.888 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 75 Resp: 51535

Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.2	51.6
77	30.9	24.2	36.4



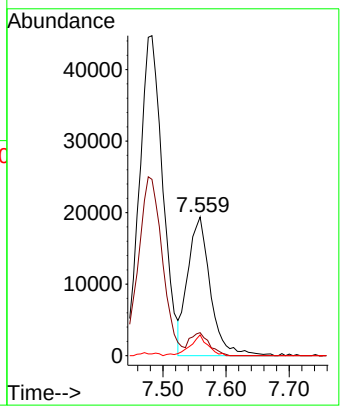


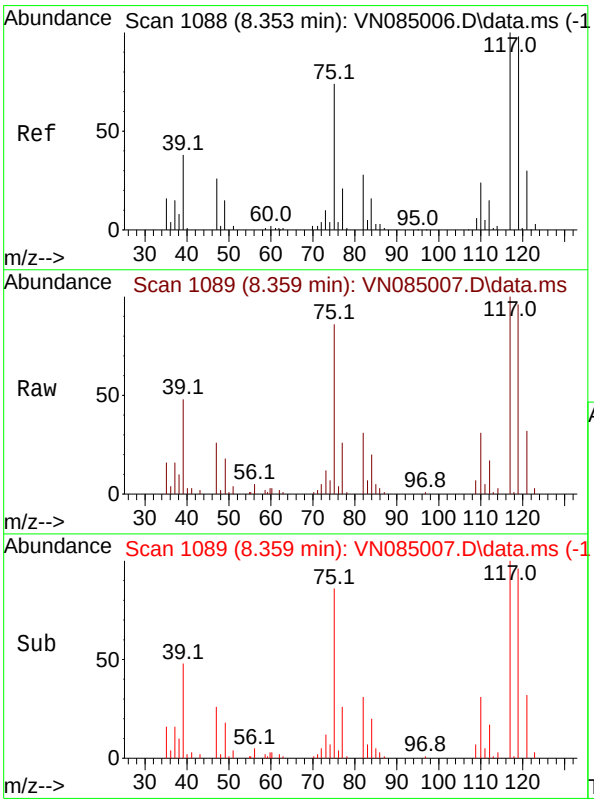
#37
Ethyl Acetate
Concen: 20.561 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 48436

Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.7	17.5
70	11.7	9.3	13.9

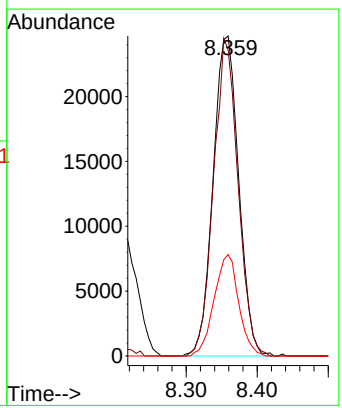


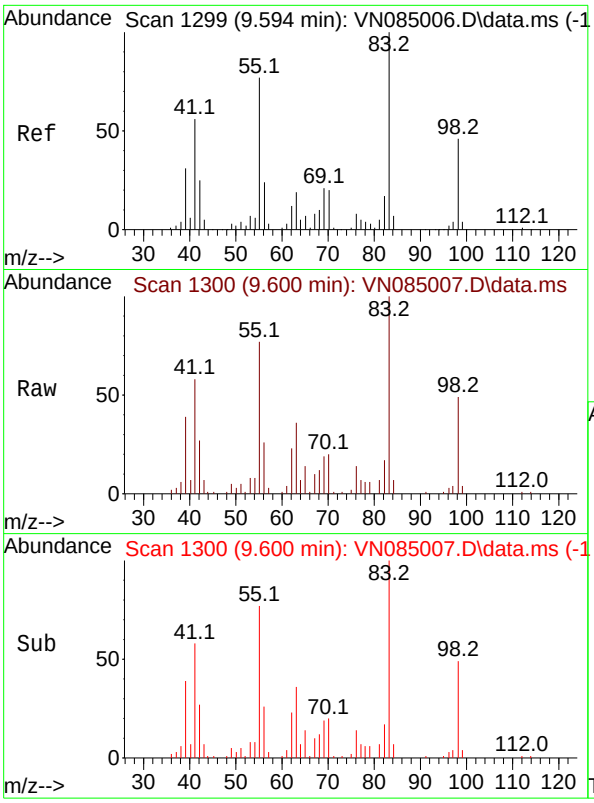


#38
Carbon Tetrachloride
Concen: 20.593 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:117 Resp: 61594

Ion	Ratio	Lower	Upper
117	100		
119	95.7	78.6	117.8
121	31.7	24.2	36.2



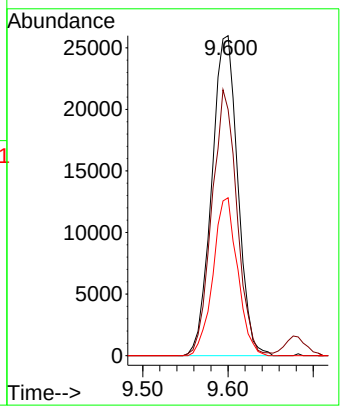


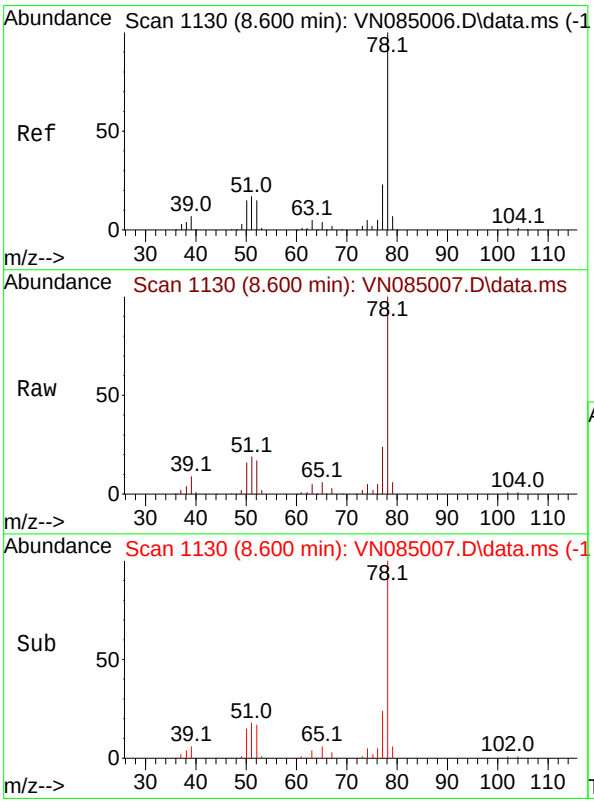
#39
Methylcyclohexane
Concen: 20.464 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 55102

Ion	Ratio	Lower	Upper
83	100		
55	76.9	61.8	92.6
98	49.4	37.0	55.6

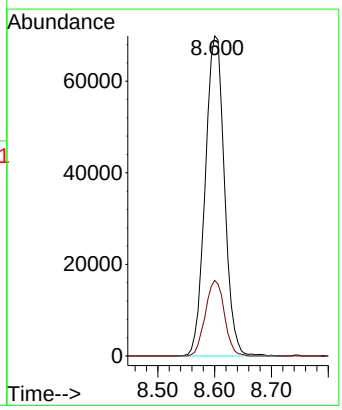


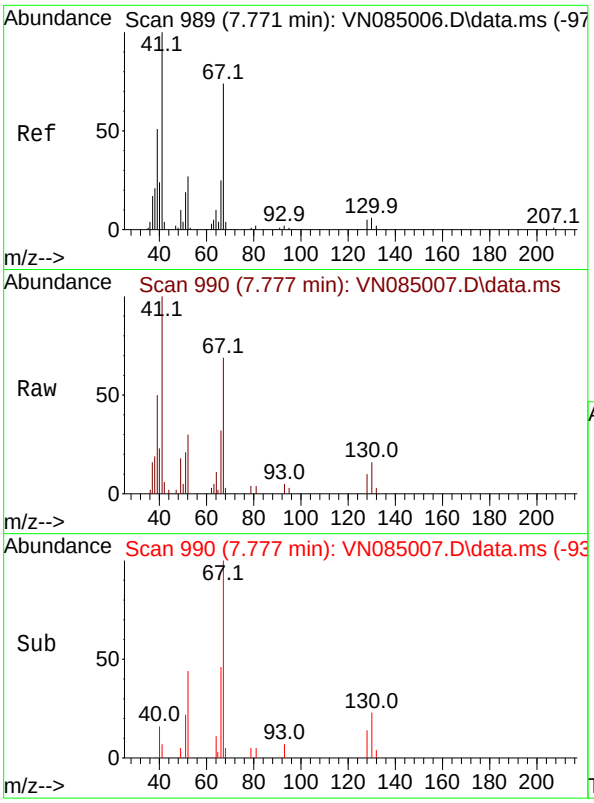


#40
Benzene
Concen: 19.977 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 78 Resp: 163727

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.5	27.7



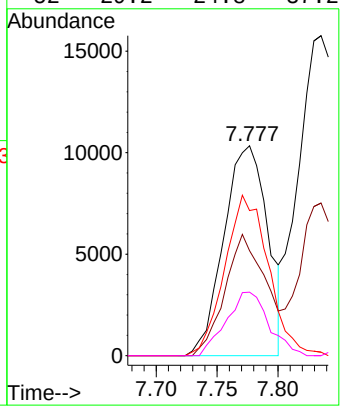


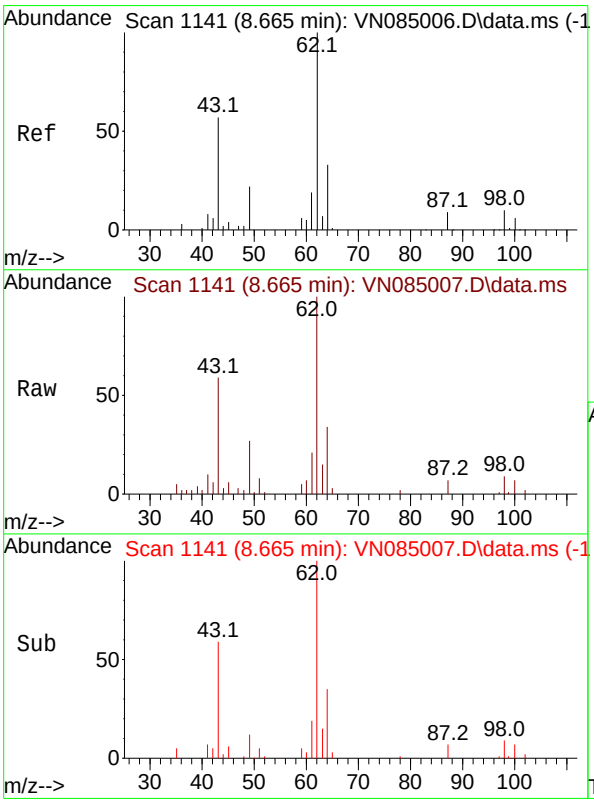
#41
Methacrylonitrile
Concen: 19.942 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 26011

Ion	Ratio	Lower	Upper
41	100		
39	53.0	42.6	63.8
67	75.9	59.9	89.9
52	29.2	24.8	37.2

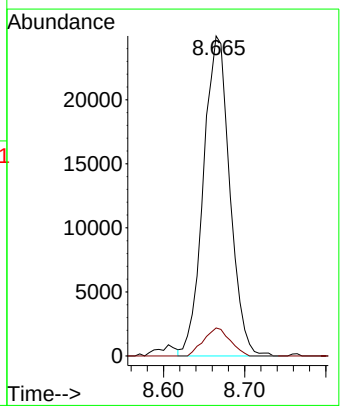


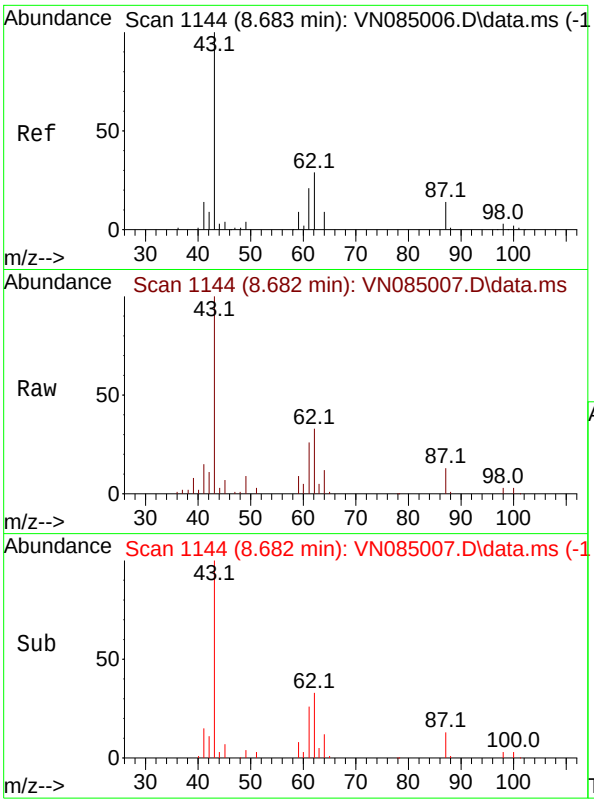


#42
1,2-Dichloroethane
Concen: 20.106 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 62 Resp: 56374

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.2



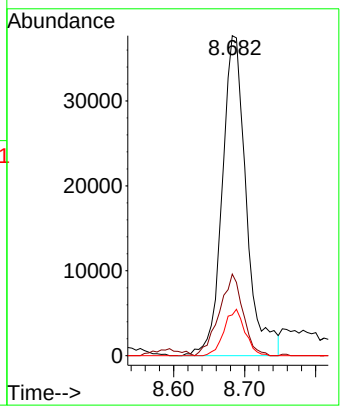


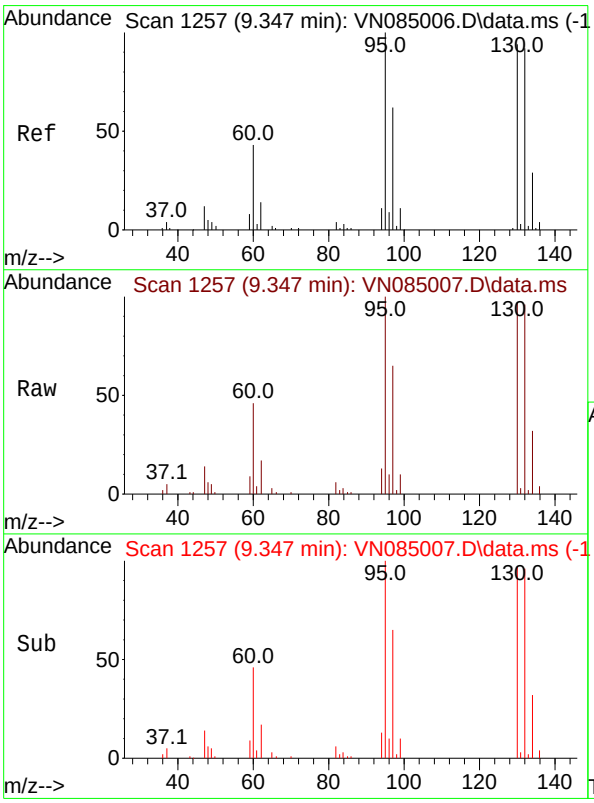
#43
Isopropyl Acetate
Concen: 18.116 ug/l
RT: 8.682 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 88647

Ion	Ratio	Lower	Upper
43	100		
61	25.1	20.6	30.8
87	12.6	11.0	16.4

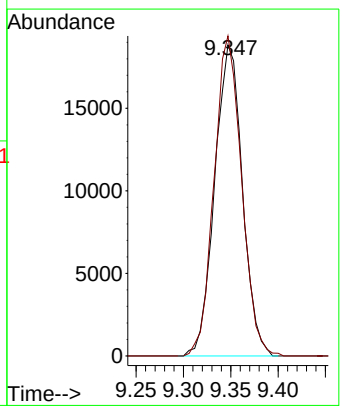


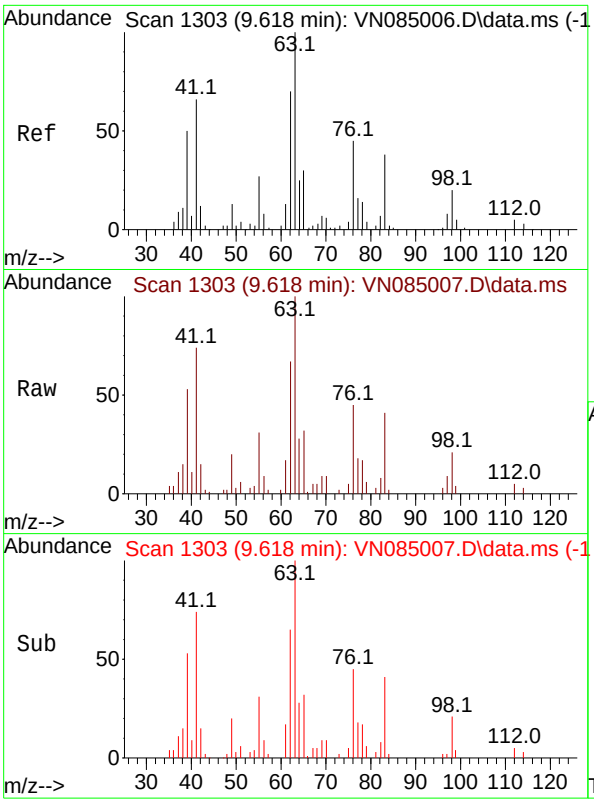


#44
Trichloroethene
Concen: 20.127 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:130 Resp: 38334

Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	213.4



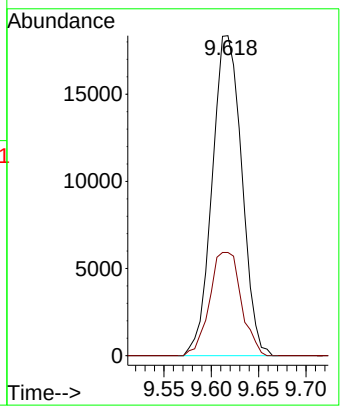


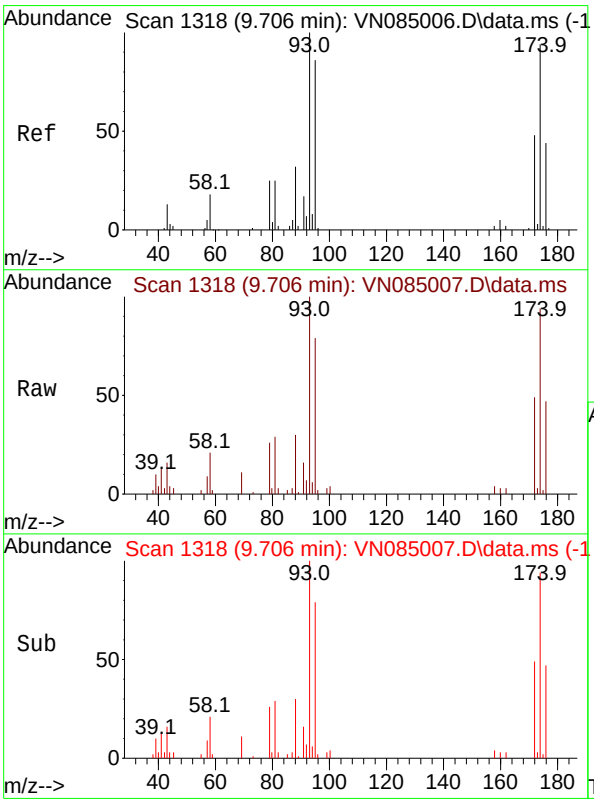
#45
1,2-Dichloropropane
Concen: 19.742 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 39852

Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.0	36.0

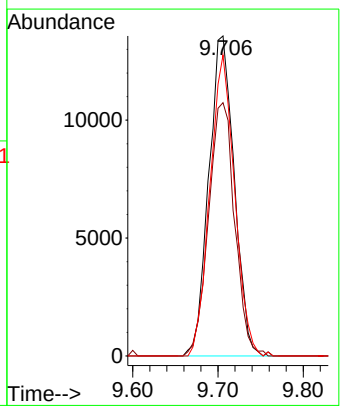


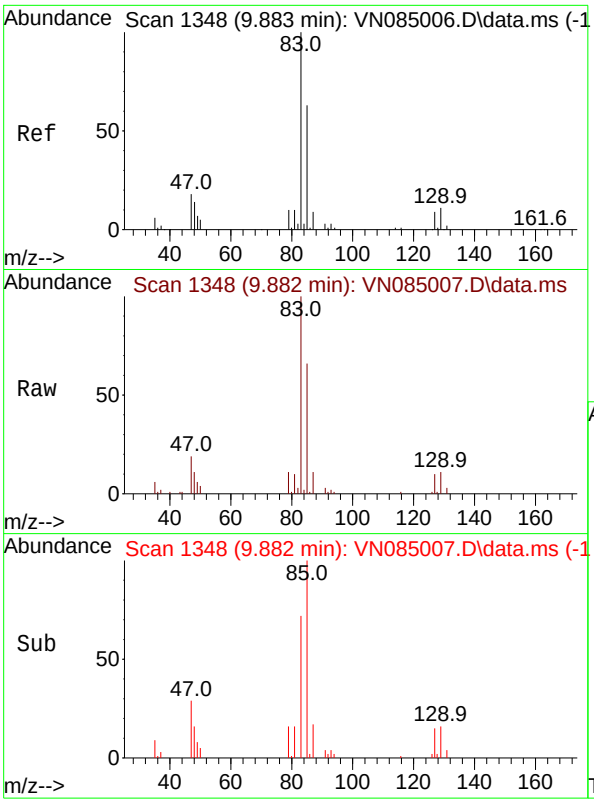


#46
Dibromomethane
Concen: 20.062 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 93 Resp: 28140

Ion	Ratio	Lower	Upper
93	100		
95	81.2	66.2	99.4
174	91.4	74.9	112.3



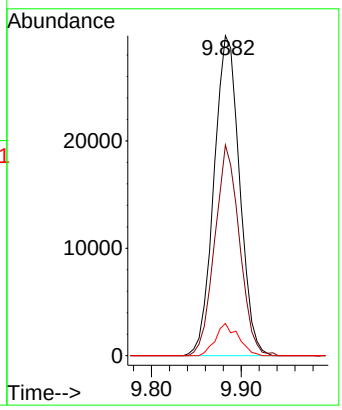


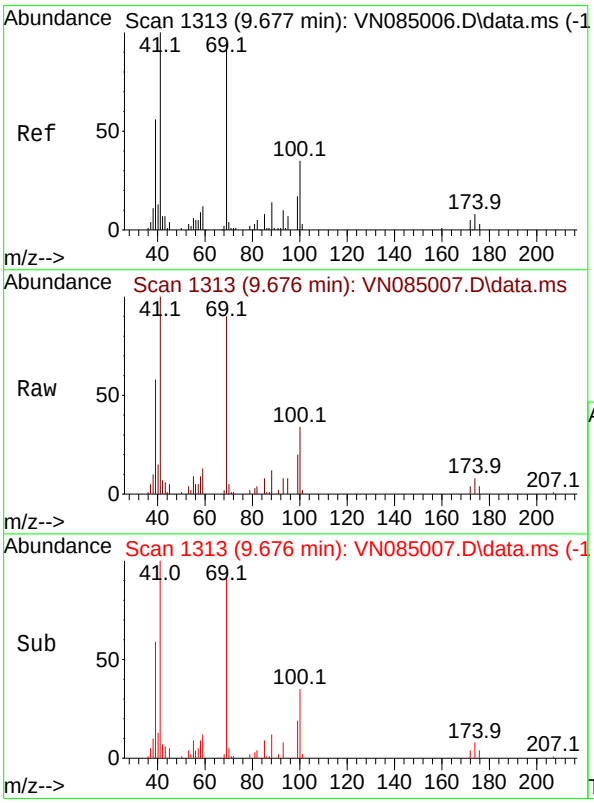
#47
Bromodichloromethane
Concen: 19.849 ug/l
RT: 9.882 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 59008

Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.5	75.7
127	10.0	7.1	10.7

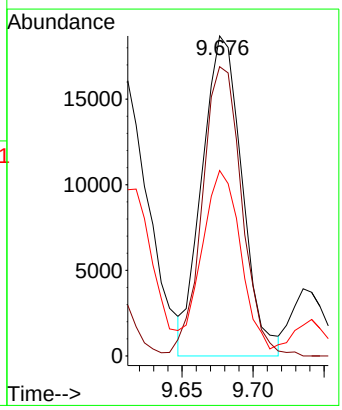


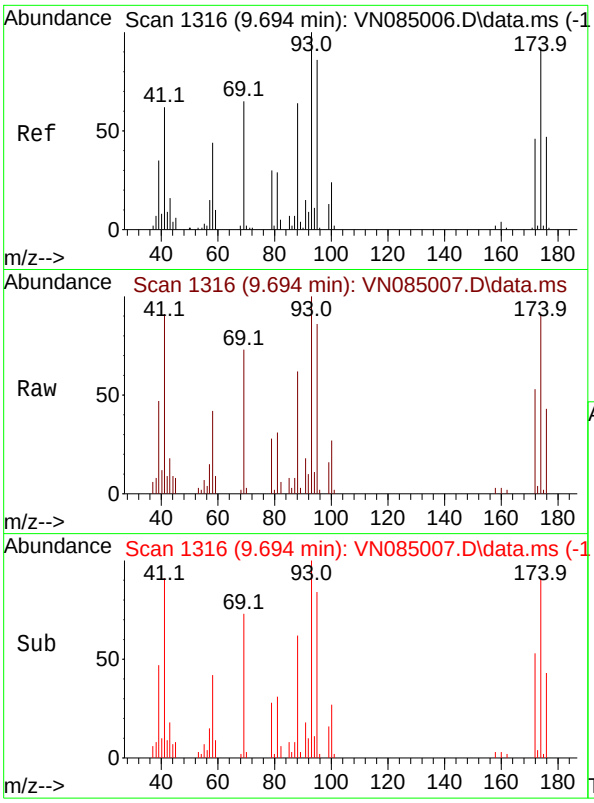


#48
Methyl methacrylate
Concen: 20.148 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 41 Resp: 36687

Ion	Ratio	Lower	Upper
41	100		
69	89.2	73.2	109.8
39	56.9	46.2	69.4



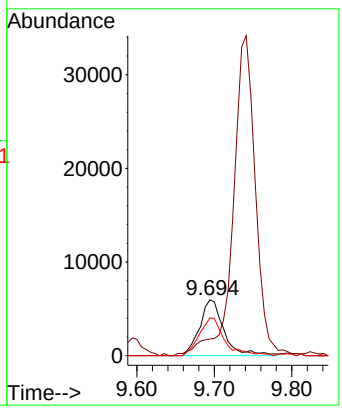


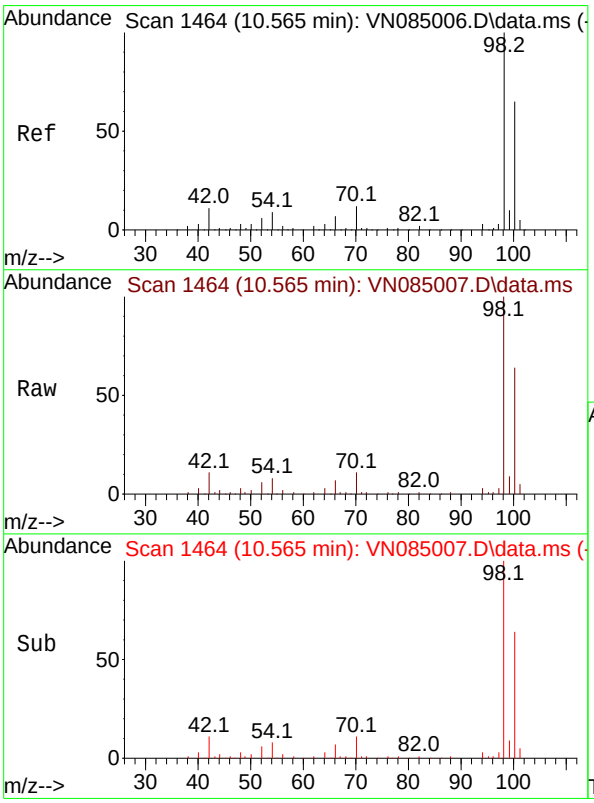
#49
1,4-Dioxane
Concen: 410.958 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 12977

Ion	Ratio	Lower	Upper
88	100		
43	0.0	16.7	25.1#
58	70.3	56.5	84.7

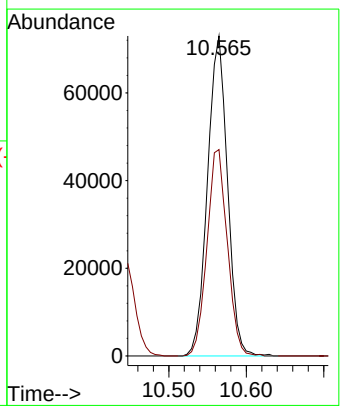


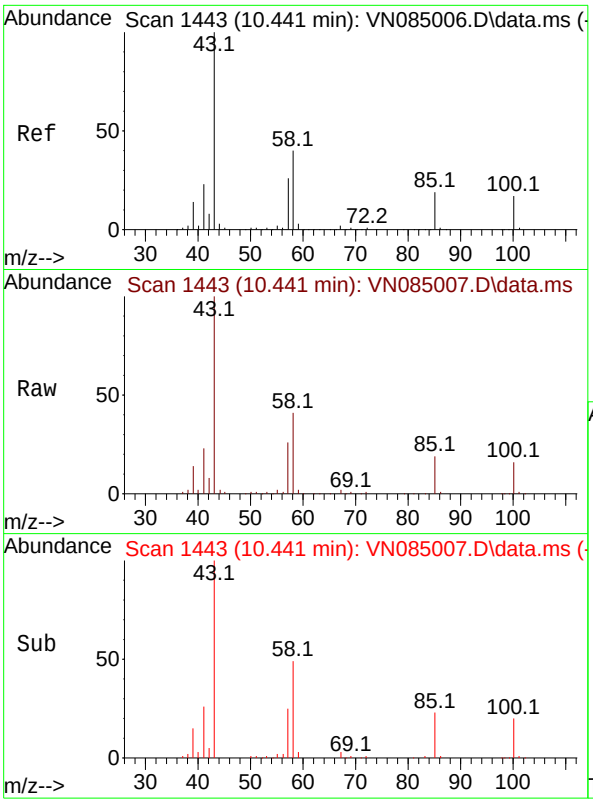


#50
Toluene-d8
Concen: 19.066 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 98 Resp: 130719

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.5	78.7



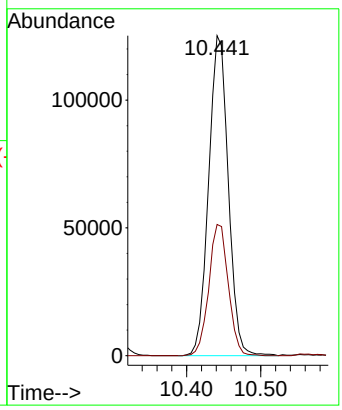


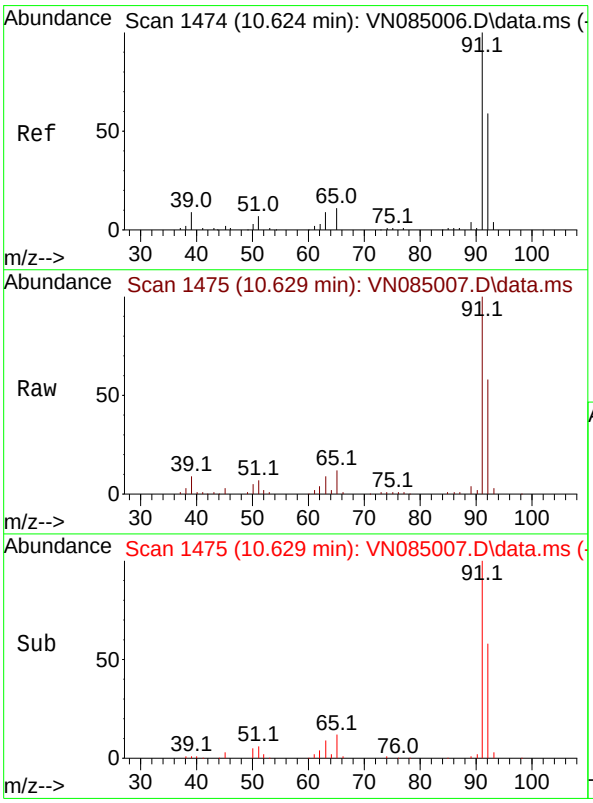
#51
4-Methyl-2-Pentanone
Concen: 103.015 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 230239

Ion	Ratio	Lower	Upper
43	100		
58	40.7	32.1	48.1

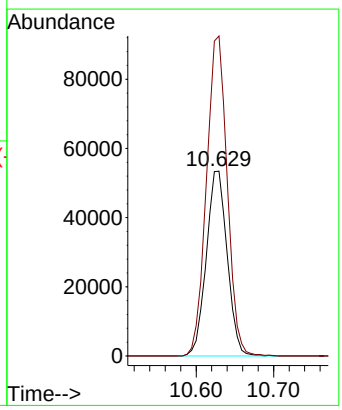


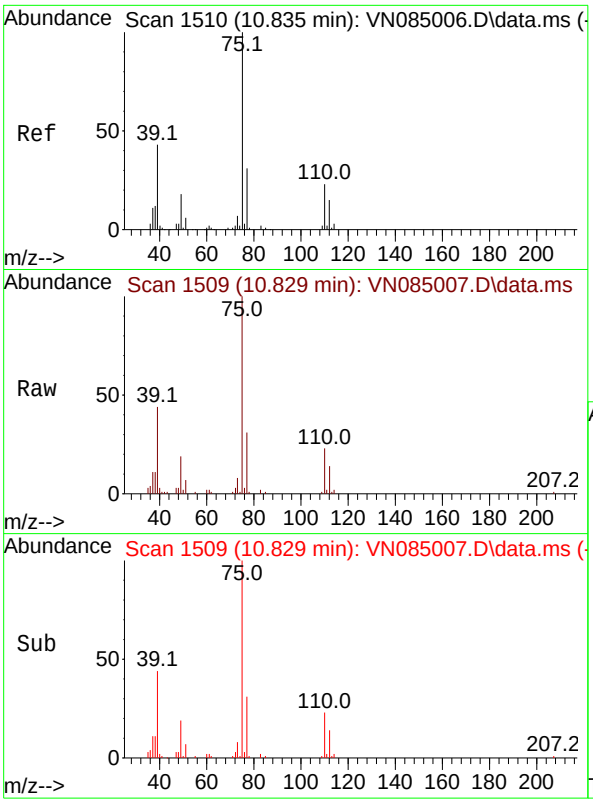


#52
Toluene
Concen: 20.615 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 92 Resp: 100021

Ion	Ratio	Lower	Upper
92	100		
91	171.9	136.7	205.1



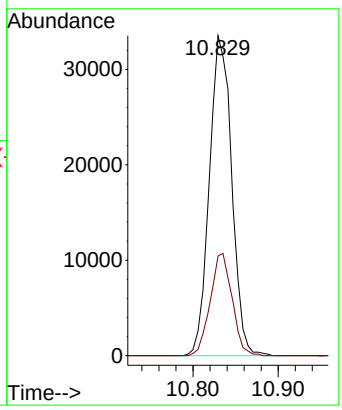


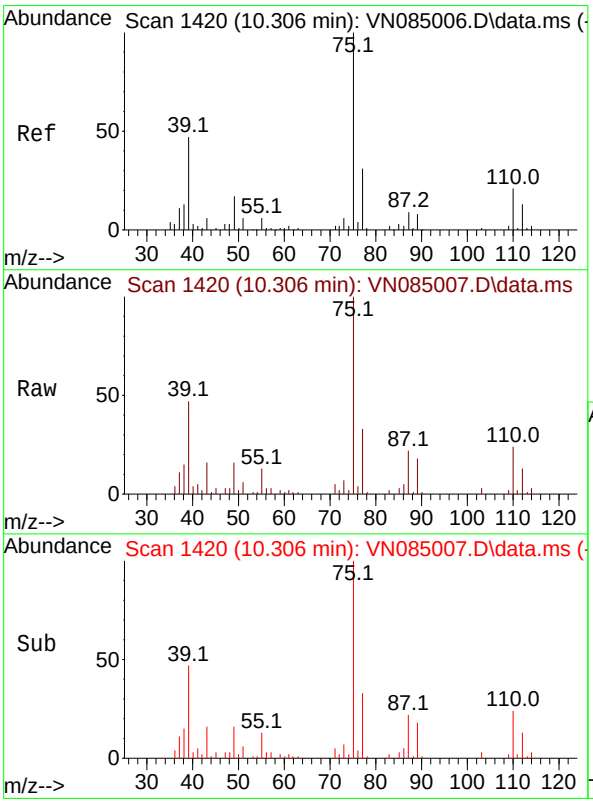
#53
t-1,3-Dichloropropene
Concen: 20.539 ug/l
RT: 10.829 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 61215

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4

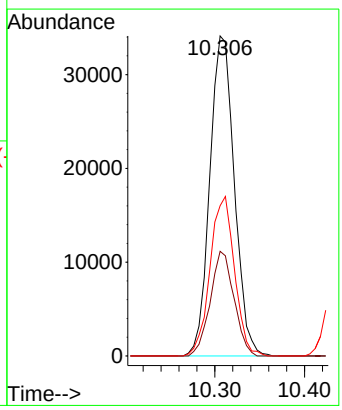


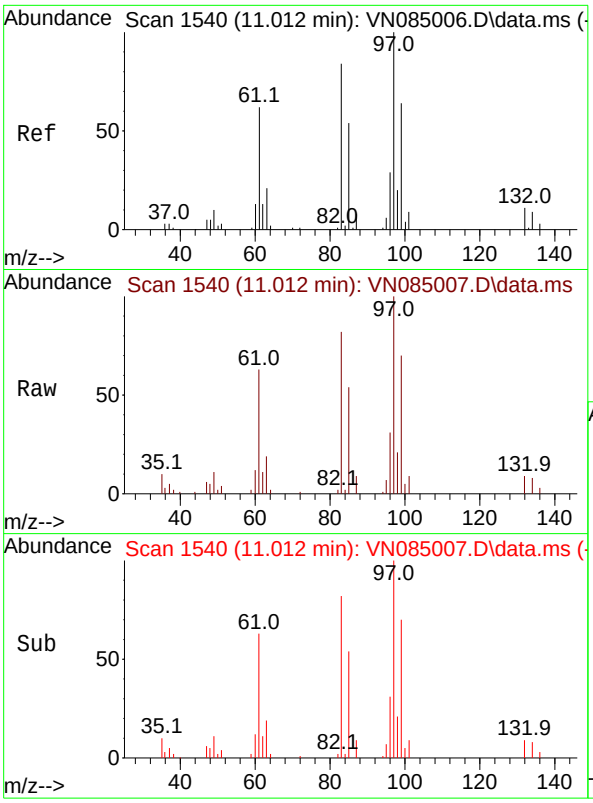


#54
cis-1,3-Dichloropropene
Concen: 20.501 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 75 Resp: 64823

Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.0	37.4
39	47.0	37.6	56.4



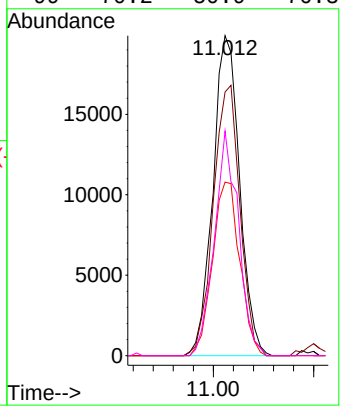


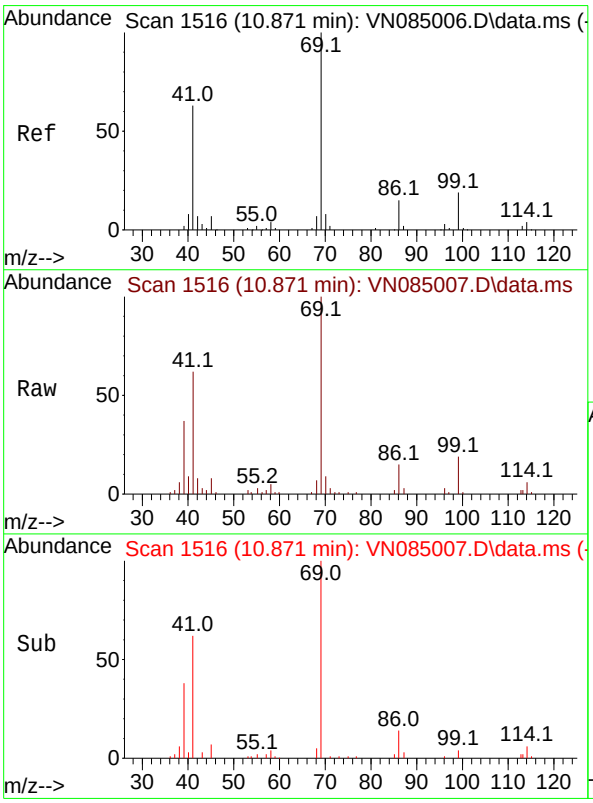
#55
1,1,2-Trichloroethane
Concen: 20.326 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 36732

Ion	Ratio	Lower	Upper
97	100		
83	82.4	67.4	101.2
85	54.3	43.1	64.7
99	70.2	50.9	76.3

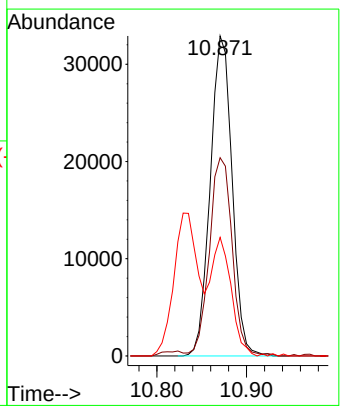


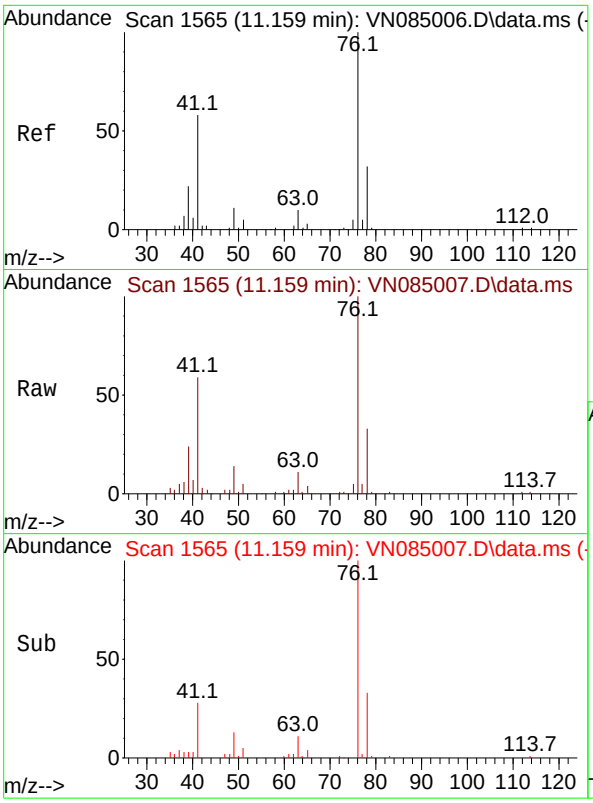


#56
Ethyl methacrylate
Concen: 21.089 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 69 Resp: 55691

Ion	Ratio	Lower	Upper
69	100		
41	64.8	50.0	75.0
39	34.2	27.0	40.6



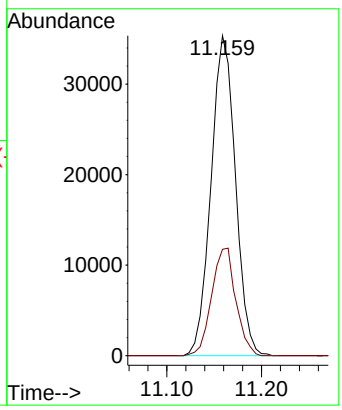


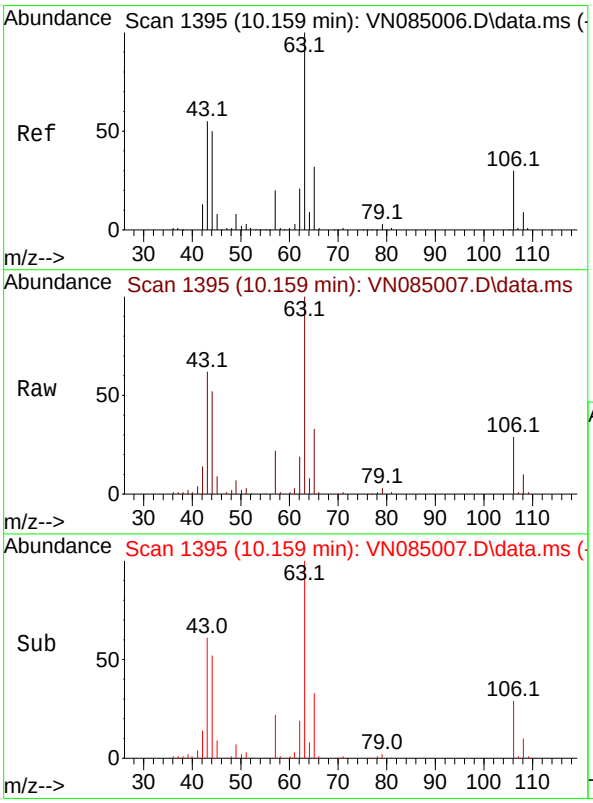
#57
1,3-Dichloropropane
Concen: 19.906 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 63314

Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.1	39.1

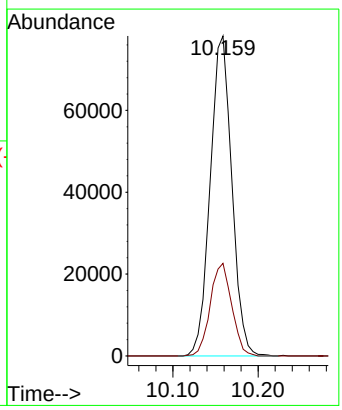


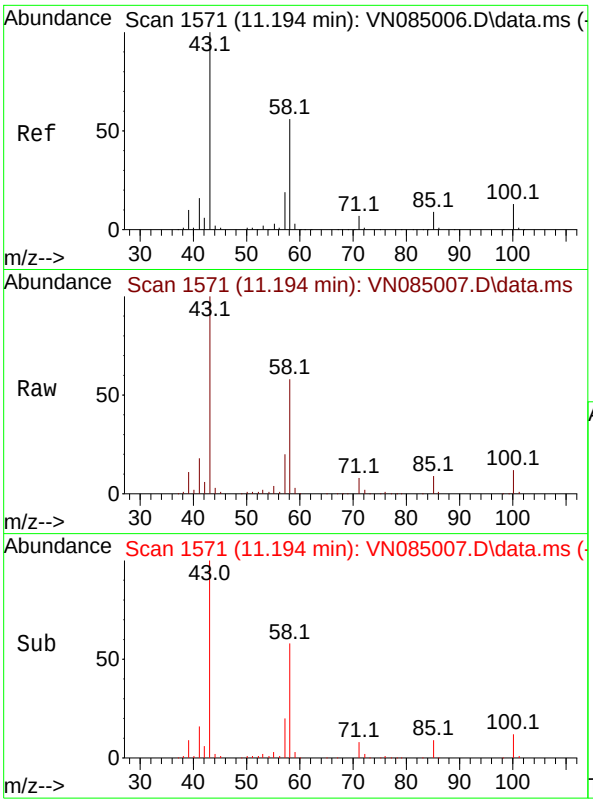


#58
2-Chloroethyl Vinyl ether
Concen: 106.227 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 63 Resp: 137602

Ion	Ratio	Lower	Upper
63	100		
106	28.7	23.0	34.6



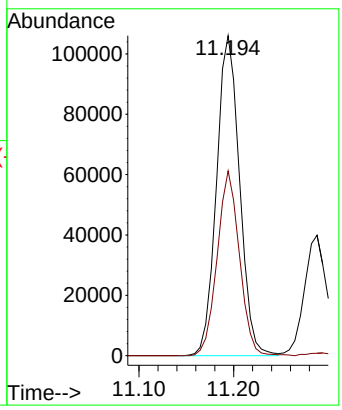


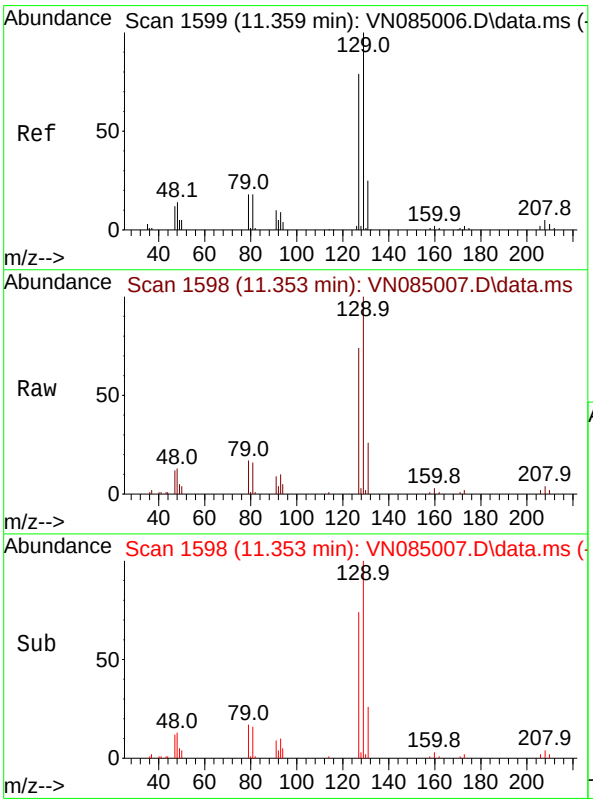
#59
2-Hexanone
Concen: 107.514 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 179717

Ion	Ratio	Lower	Upper
43	100		
58	55.7	28.3	85.0

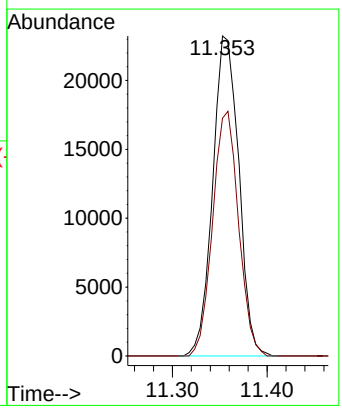


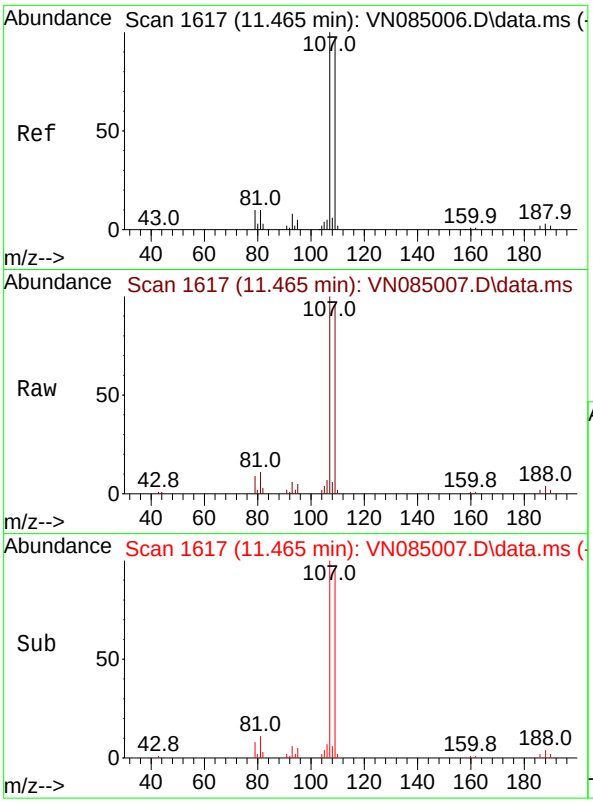


#60
Dibromochloromethane
Concen: 20.126 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:129 Resp: 44450

Ion	Ratio	Lower	Upper
129	100		
127	75.9	39.2	117.6



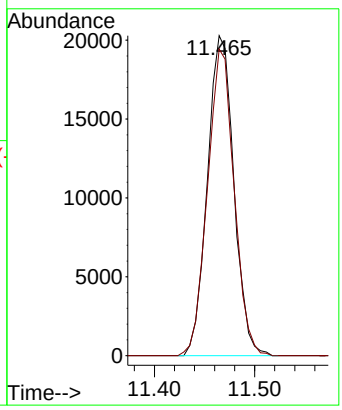


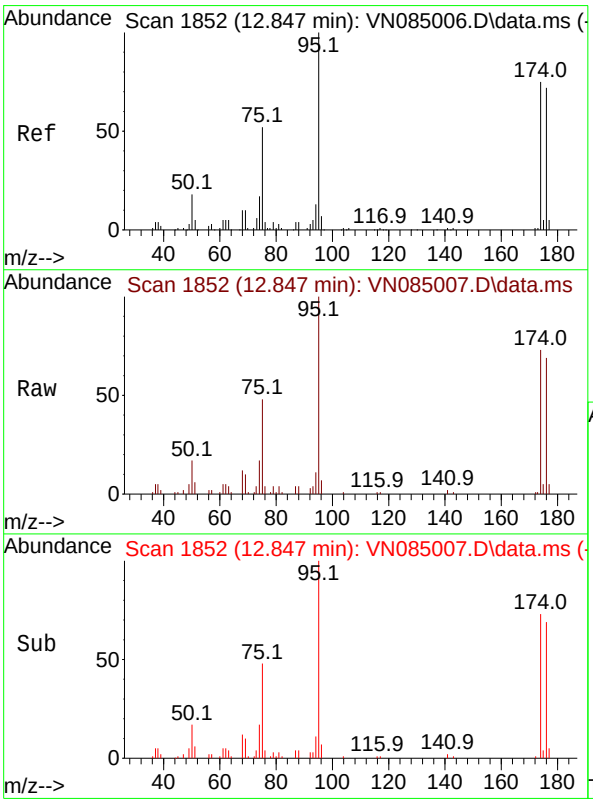
#61
1,2-Dibromoethane
Concen: 19.905 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 37228

Ion	Ratio	Lower	Upper
107	100		
109	96.2	76.1	114.1

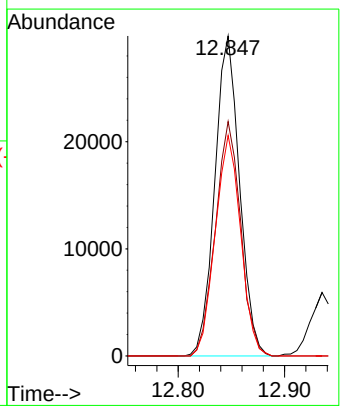


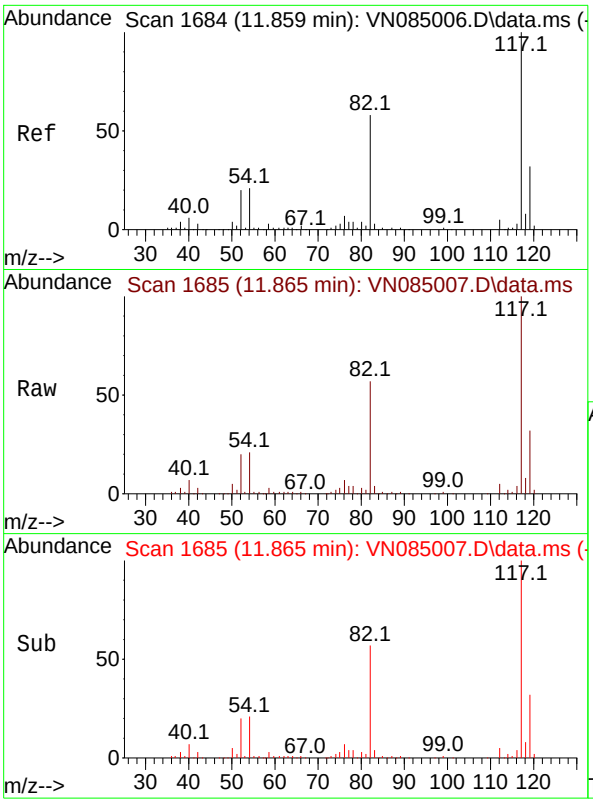


#62
4-Bromofluorobenzene
Concen: 18.797 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 95 Resp: 48193

Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	146.6
176	70.8	0.0	141.8



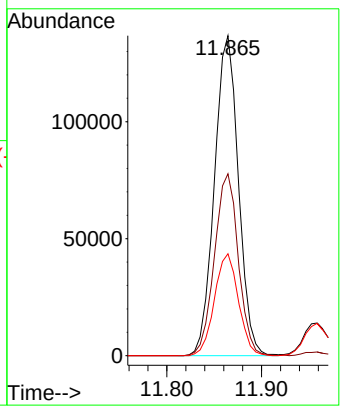


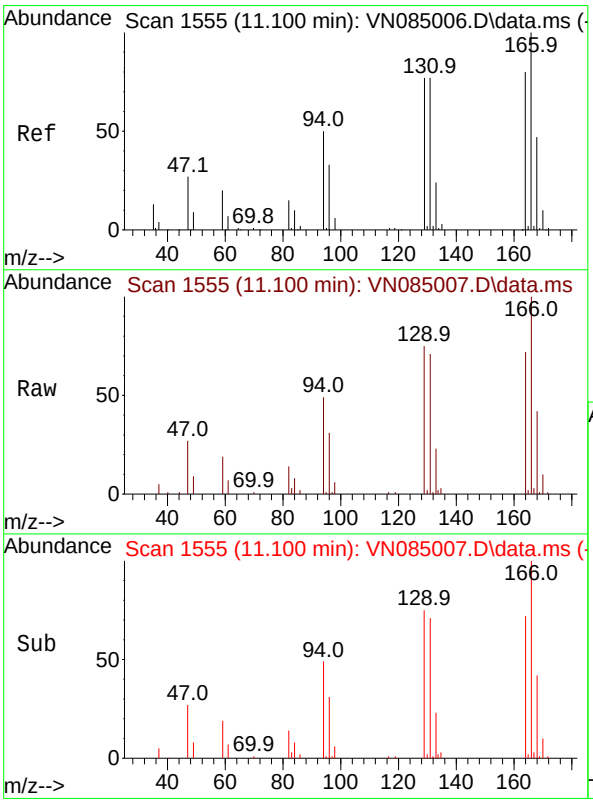
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 240895

Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.0	69.0
119	31.8	25.6	38.4

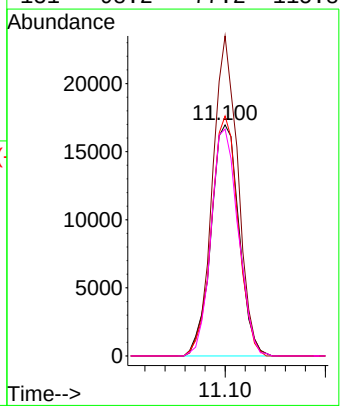


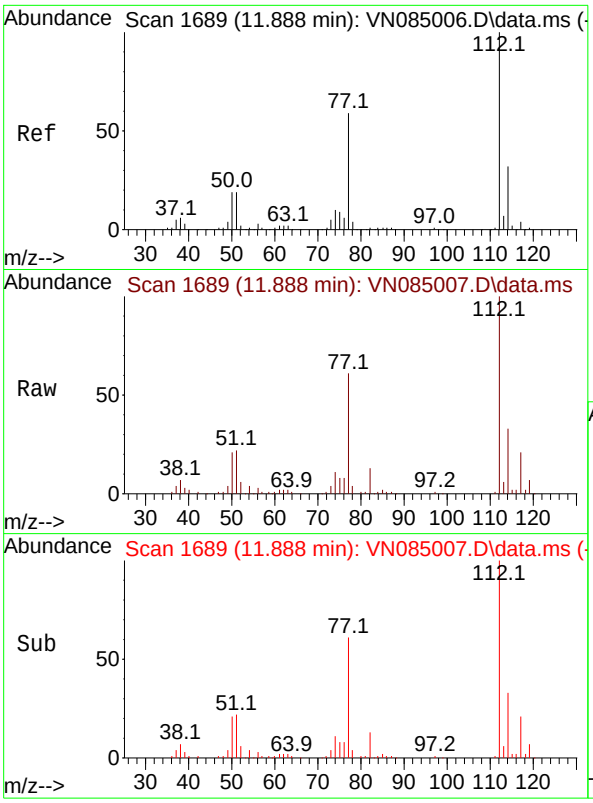


#64
Tetrachloroethene
Concen: 20.155 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:164 Resp: 32716

Ion	Ratio	Lower	Upper
164	100		
166	138.5	100.6	151.0
129	103.9	77.7	116.5
131	98.2	77.2	115.8



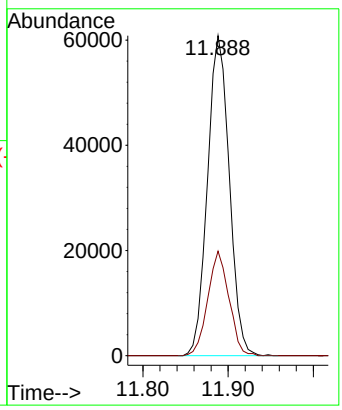


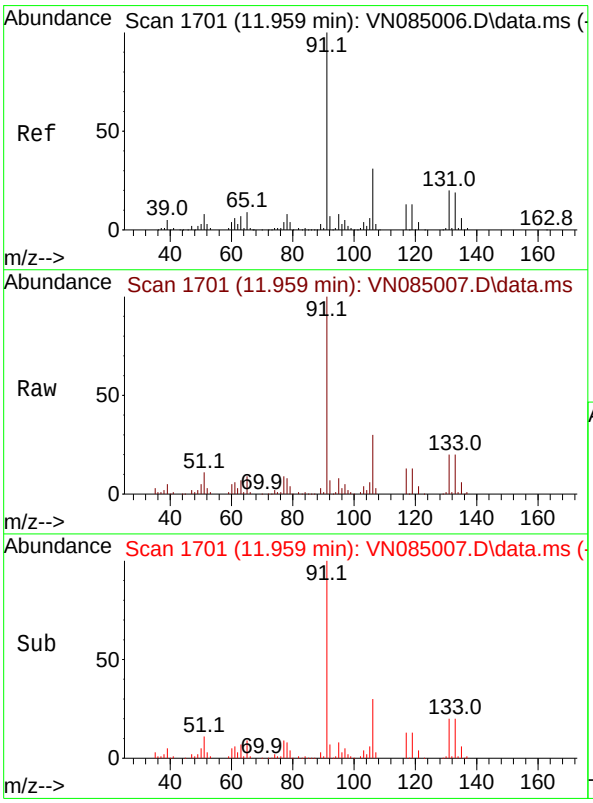
#65
Chlorobenzene
Concen: 19.815 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 108255

Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.8	38.6

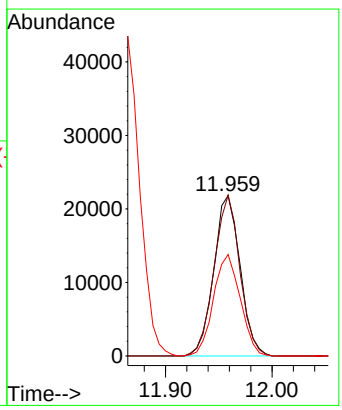


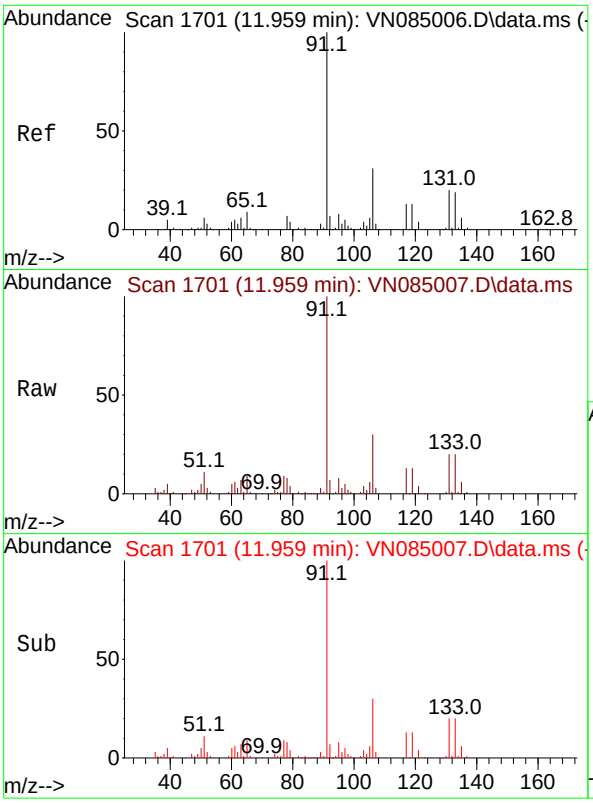


#66
1,1,1,2-Tetrachloroethane
Concen: 19.446 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:131 Resp: 37404

Ion	Ratio	Lower	Upper
131	100		
133	98.4	47.8	143.4
119	64.4	32.1	96.3



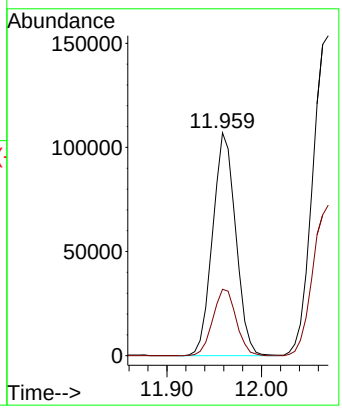


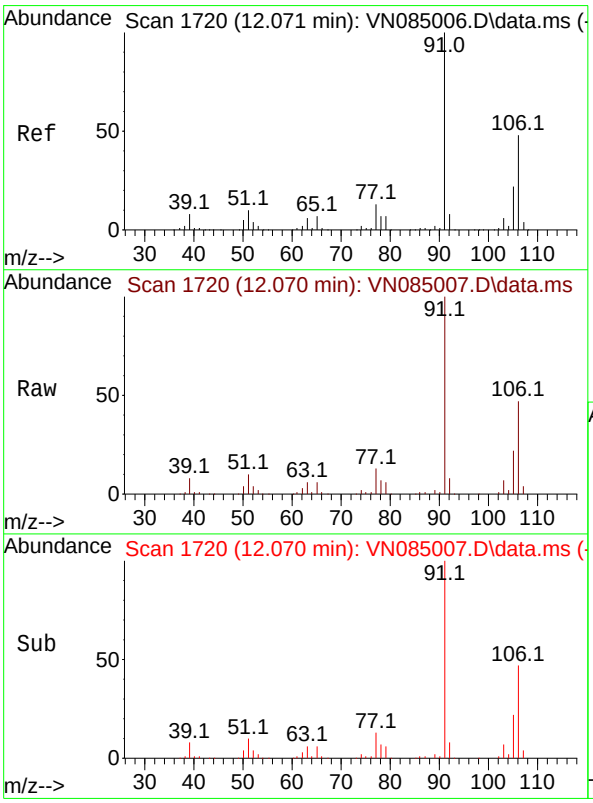
#67
Ethyl Benzene
Concen: 20.440 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 181169

Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.7	37.1

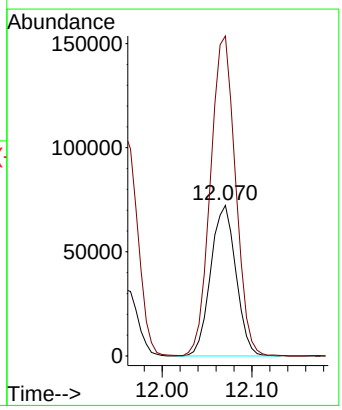


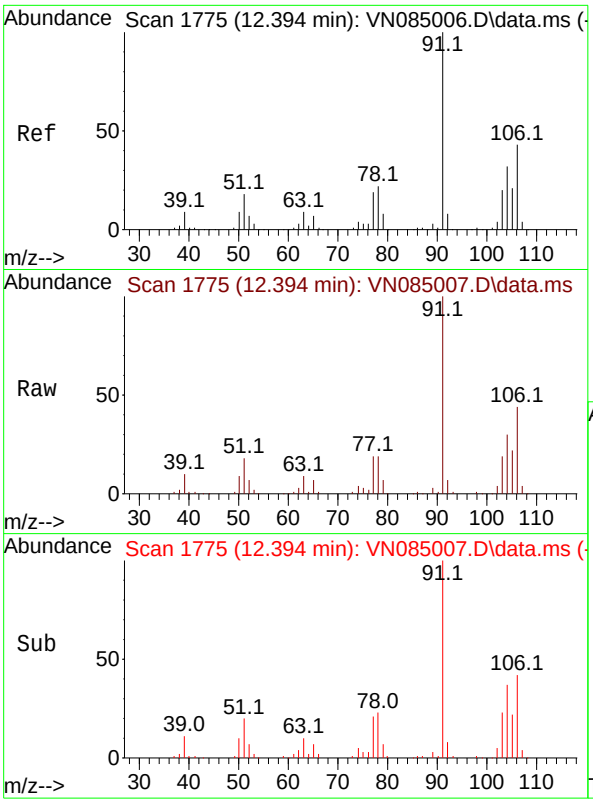


#68
m/p-Xylenes
Concen: 41.824 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:106 Resp: 141133

Ion	Ratio	Lower	Upper
106	100		
91	211.1	168.0	252.0



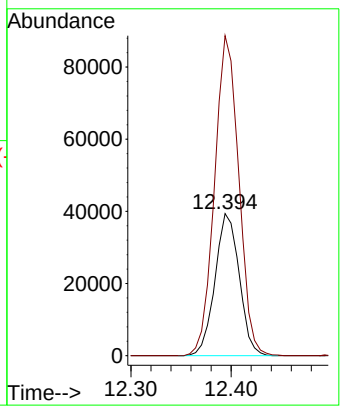


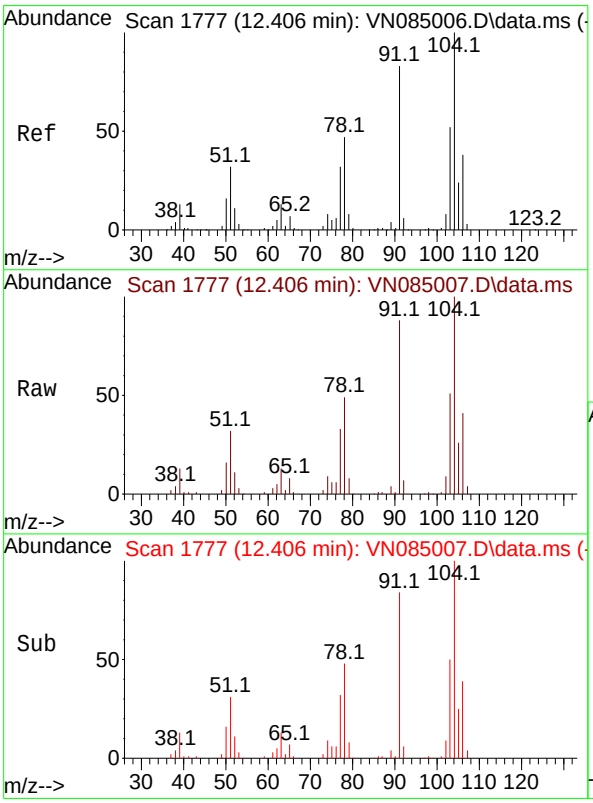
#69
o-Xylene
Concen: 20.565 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 66013

Ion	Ratio	Lower	Upper
106	100		
91	225.4	110.7	331.9

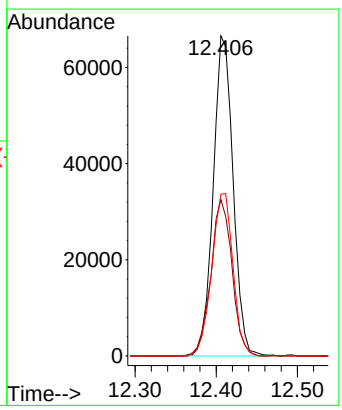


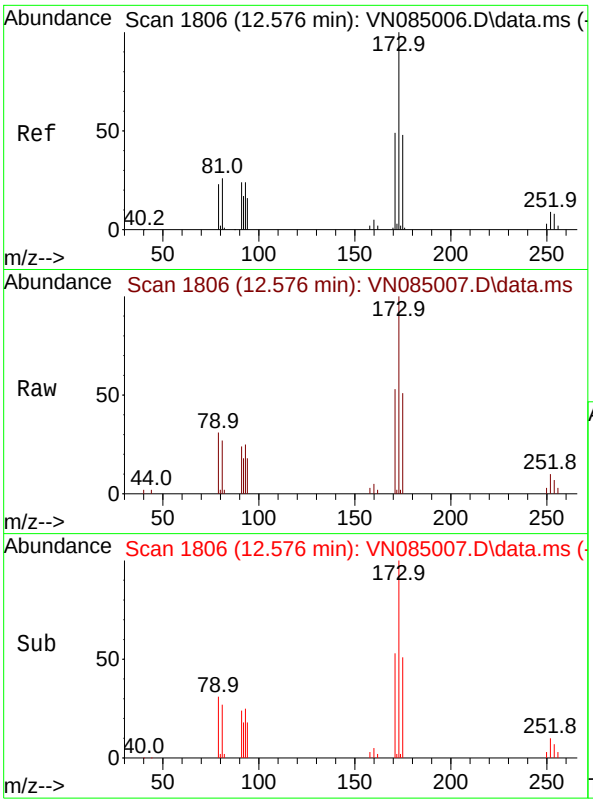


#70
Styrene
Concen: 21.263 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:104 Resp: 113503

Ion	Ratio	Lower	Upper
104	100		
78	51.9	42.3	63.5
103	54.2	44.2	66.2



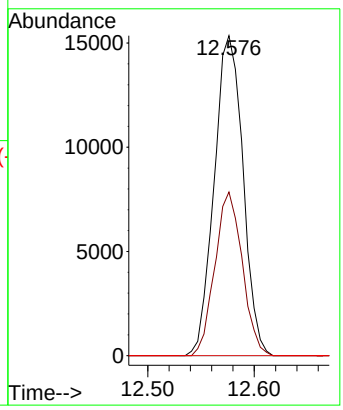


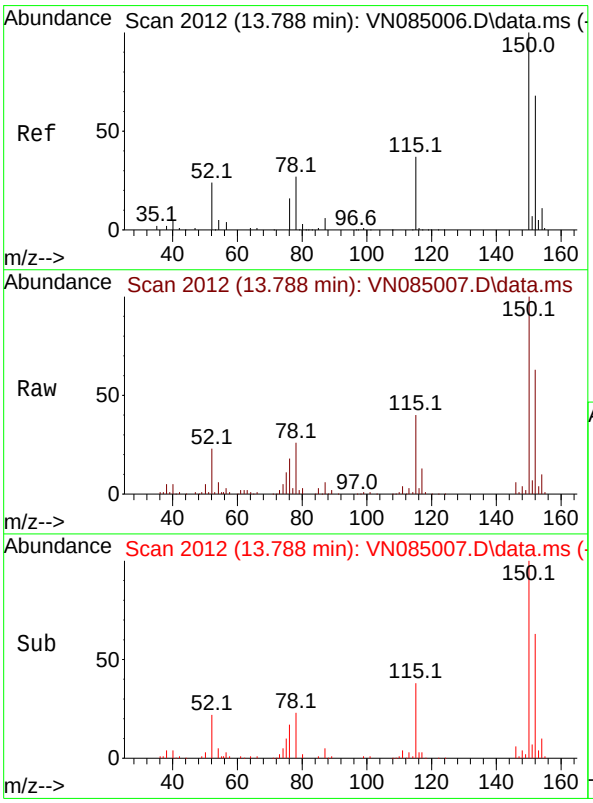
#71
Bromoform
Concen: 20.159 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 28783

Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.8	71.2
254	0.0	0.0	0.0

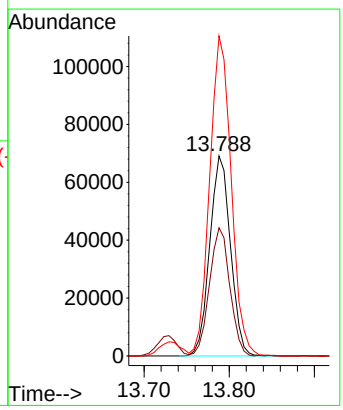


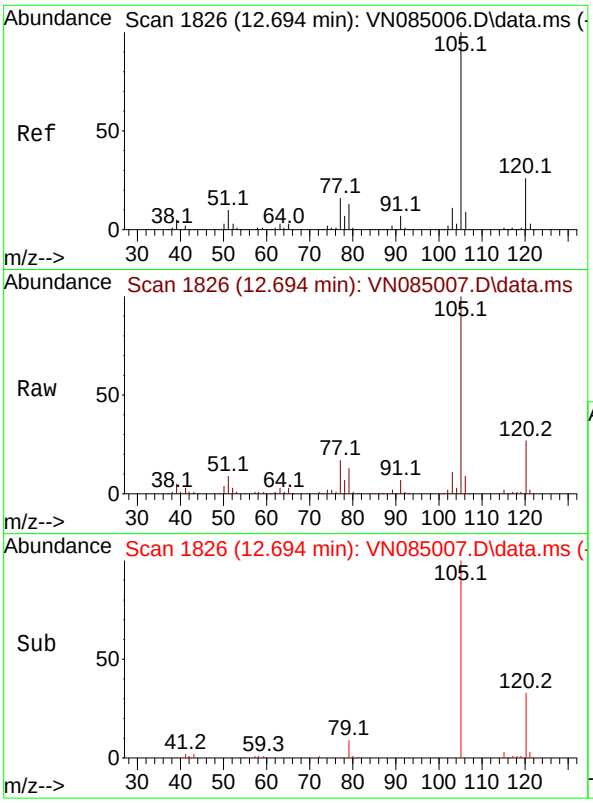


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:152 Resp: 116956

Ion	Ratio	Lower	Upper
152	100		
115	63.0	31.7	95.1
150	165.7	0.0	351.4



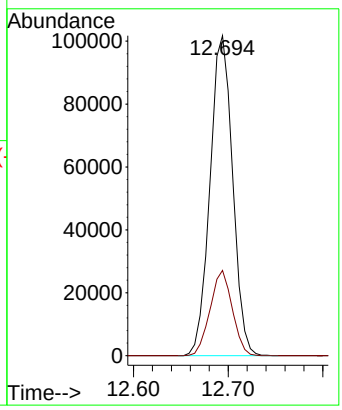


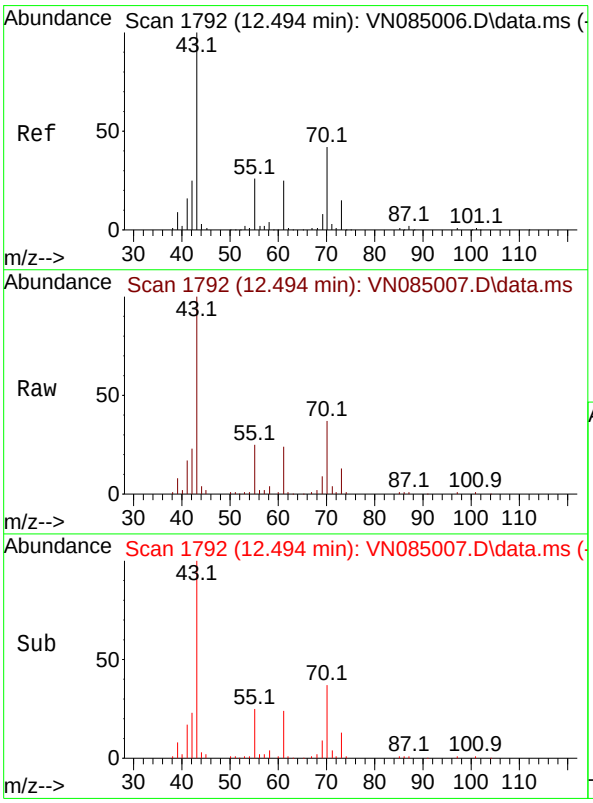
#73
Isopropylbenzene
Concen: 20.438 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 168631

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.0	39.0

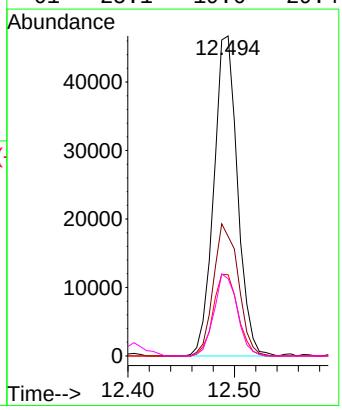


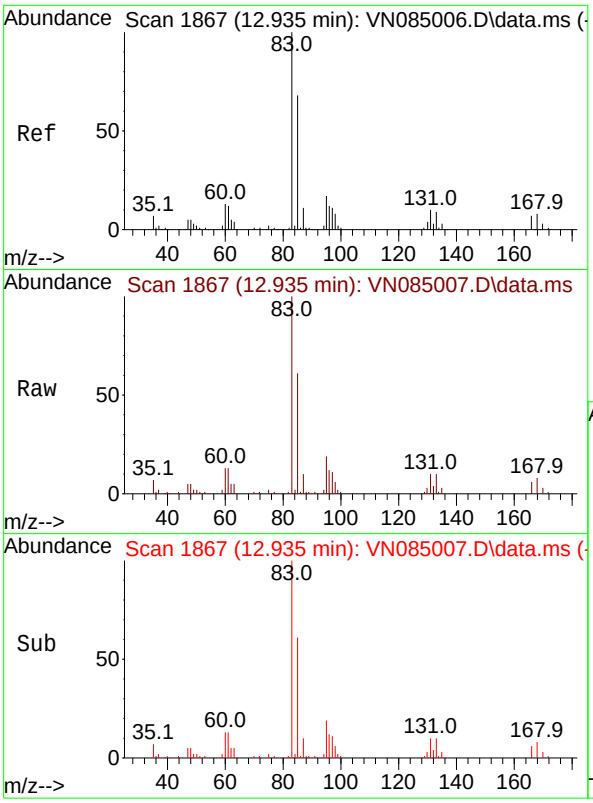


#74
N-amyl acetate
Concen: 21.238 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 43 Resp: 72208

Ion	Ratio	Lower	Upper
43	100		
70	43.1	34.6	51.8
55	26.6	20.5	30.7
61	25.1	19.6	29.4



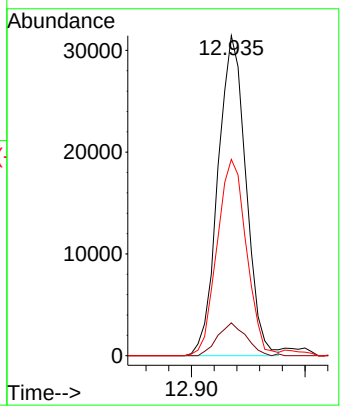


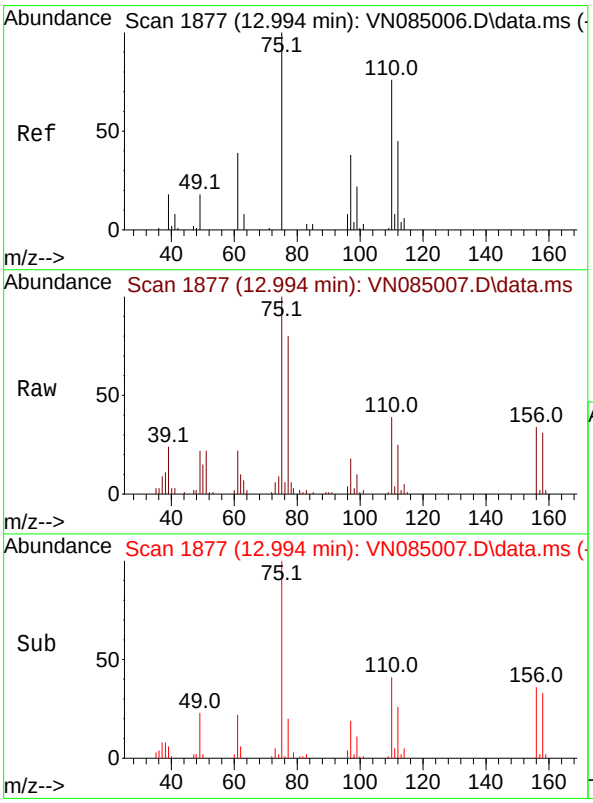
#75
1,1,2,2-Tetrachloroethane
Concen: 19.127 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 53889

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.1	15.4
85	64.1	32.1	96.3

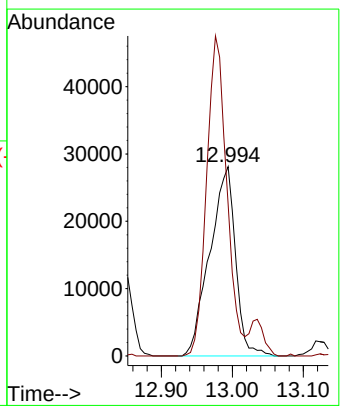


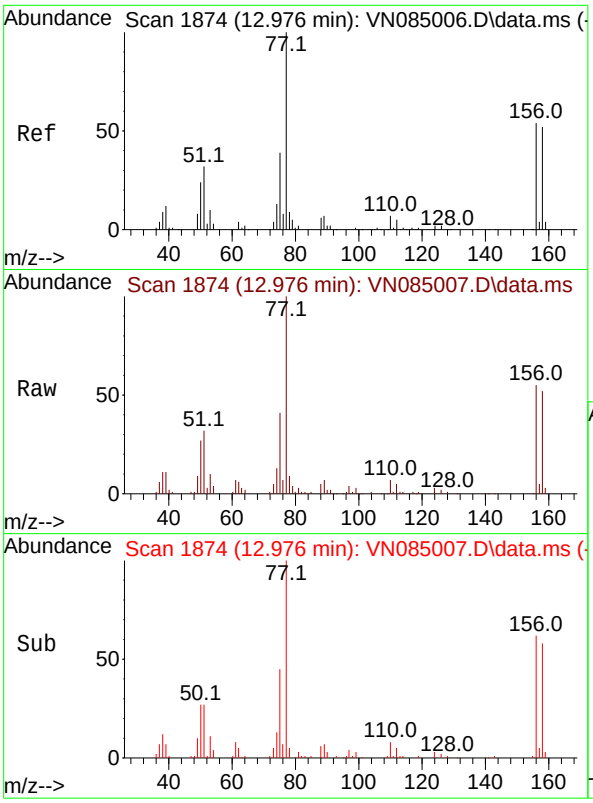


#76
1,2,3-Trichloropropane
Concen: 32.262 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 75 Resp: 70585

Ion	Ratio	Lower	Upper
75	100		
77	133.0	109.1	327.4



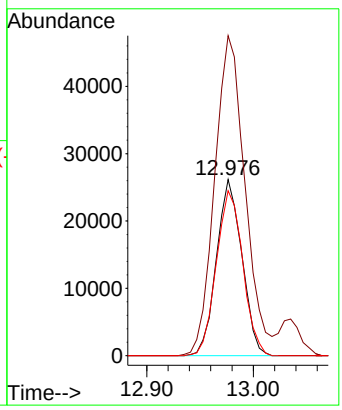


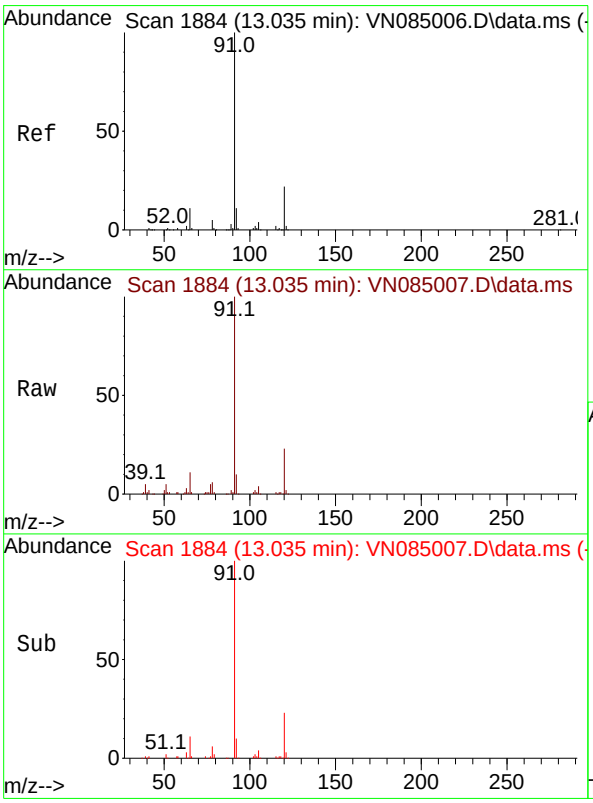
#77
Bromobenzene
Concen: 19.500 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 43298

Ion	Ratio	Lower	Upper
156	100		
77	216.9	107.2	321.6
158	97.6	48.5	145.6

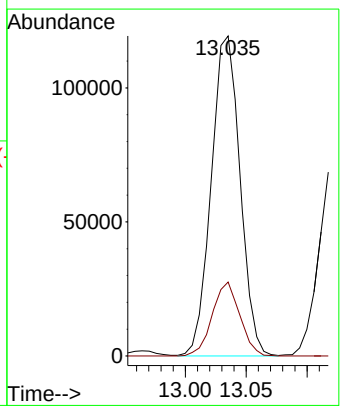


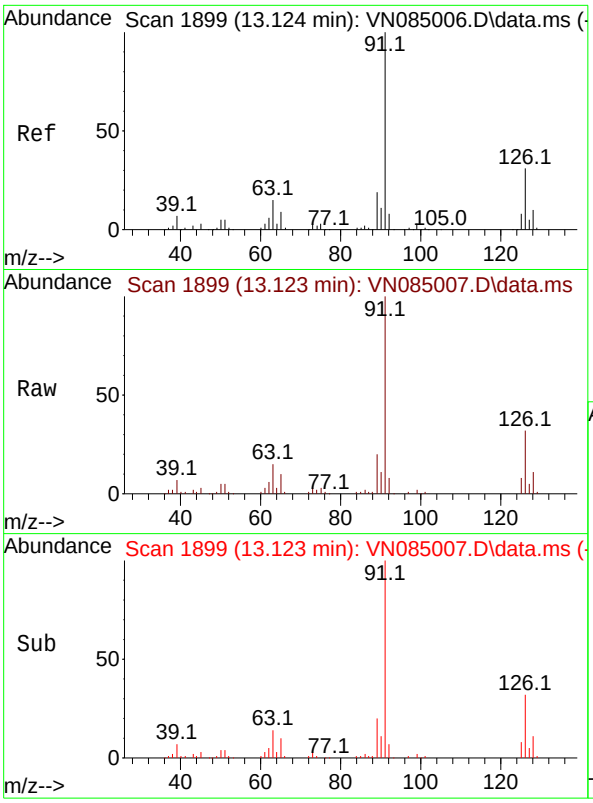


#78
n-propylbenzene
Concen: 20.653 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 91 Resp: 196551

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.3	33.9



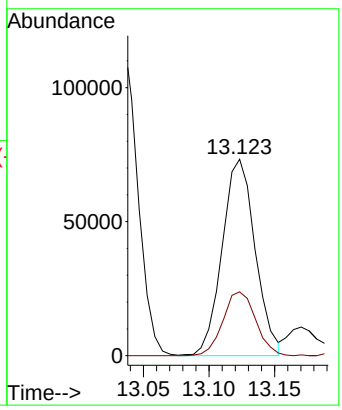


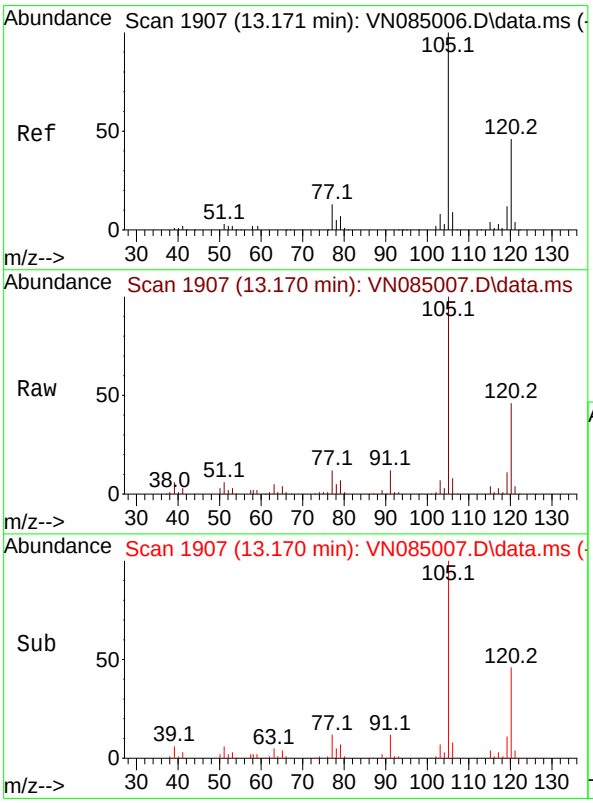
#79
2-Chlorotoluene
Concen: 20.261 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 128714

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.3

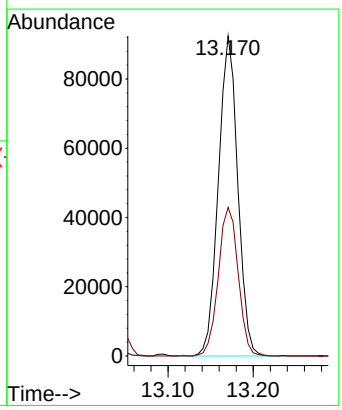


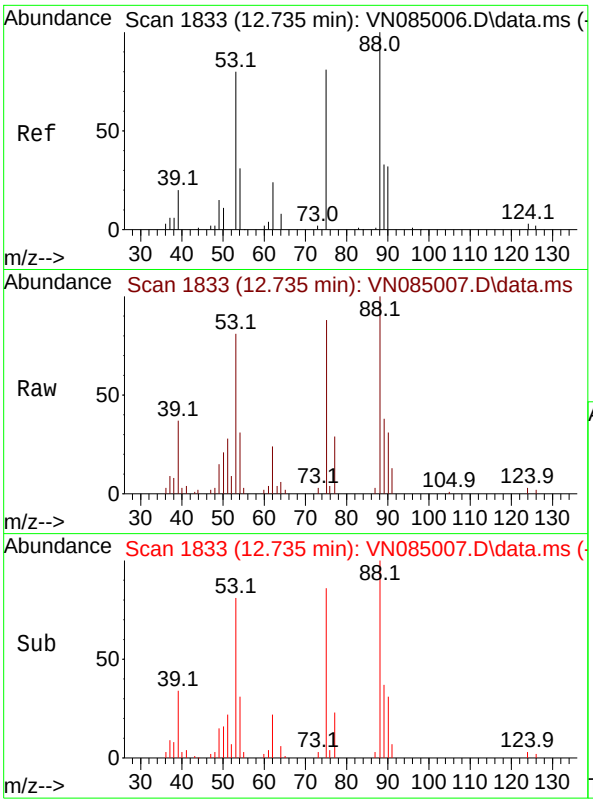


#80
1,3,5-Trimethylbenzene
Concen: 21.048 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:105 Resp: 145726

Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.6	71.0



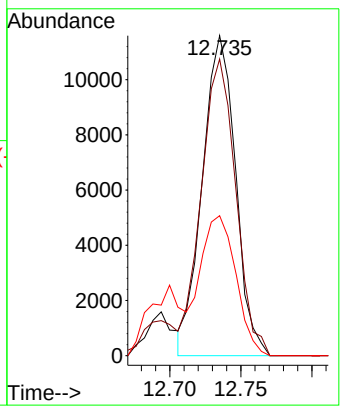


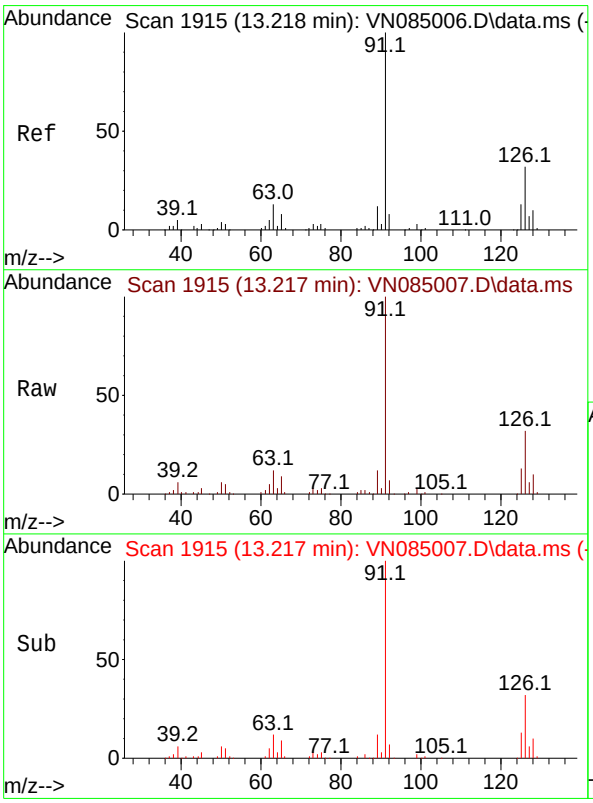
#81
trans-1,4-Dichloro-2-butene
Concen: 20.144 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 18860

Ion	Ratio	Lower	Upper
75	100		
53	96.4	78.2	117.4
89	46.7	37.9	56.9

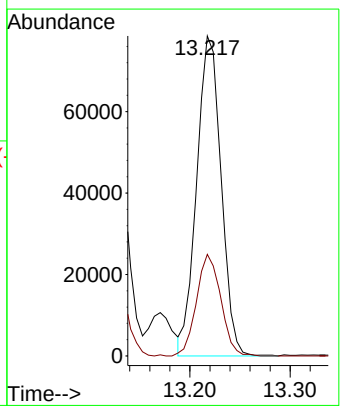


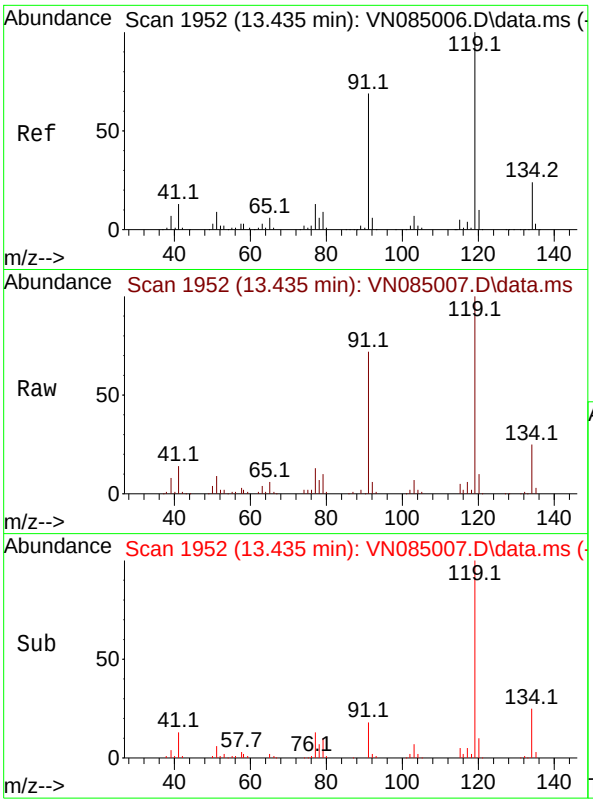


#82
4-Chlorotoluene
Concen: 20.131 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 91 Resp: 133131

Ion	Ratio	Lower	Upper
91	100		
126	31.6	16.1	48.3



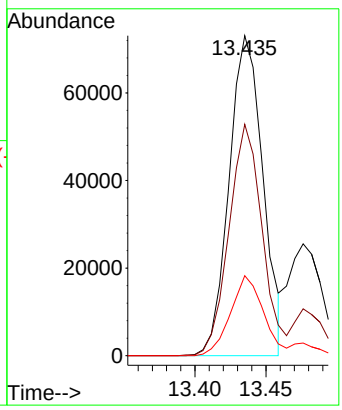


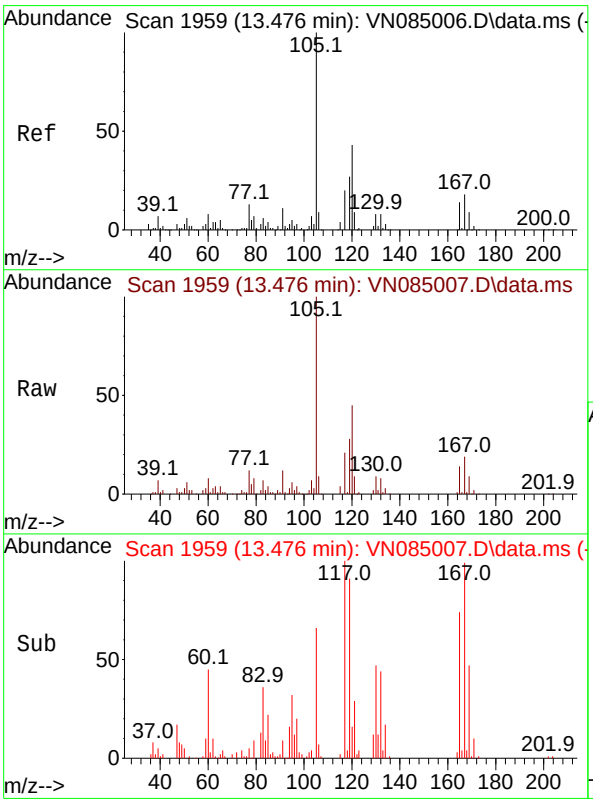
#83
tert-Butylbenzene
Concen: 20.344 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 121188

Ion	Ratio	Lower	Upper
119	100		
91	71.2	35.1	105.5
134	24.3	12.1	36.3

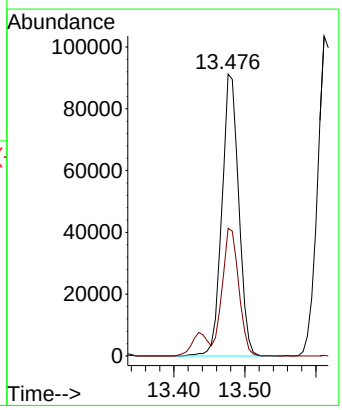


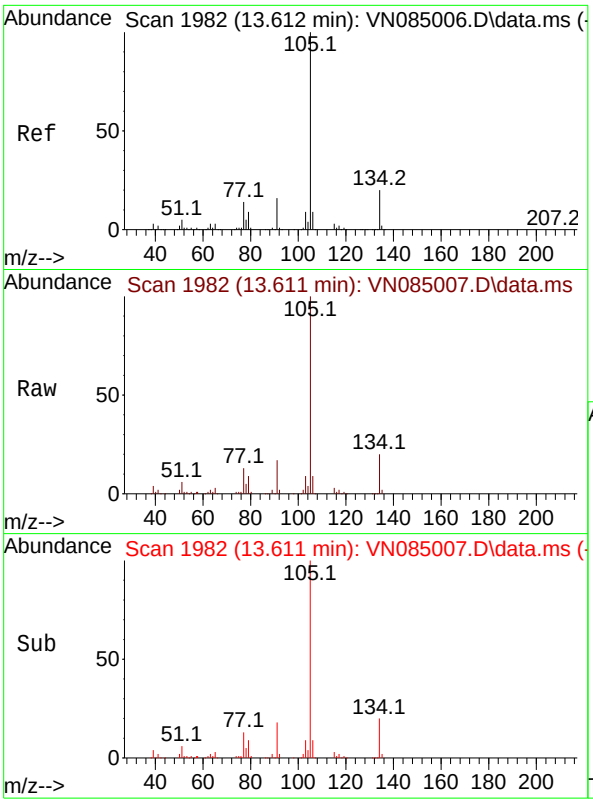


#84
1,2,4-Trimethylbenzene
Concen: 20.974 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:105 Resp: 149479

Ion	Ratio	Lower	Upper
105	100		
120	44.4	21.8	65.4



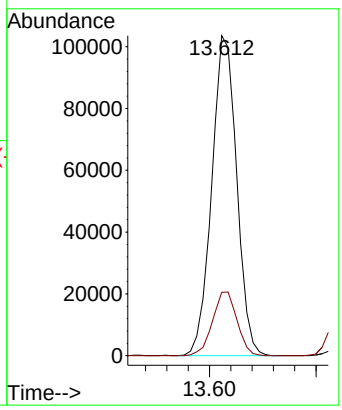


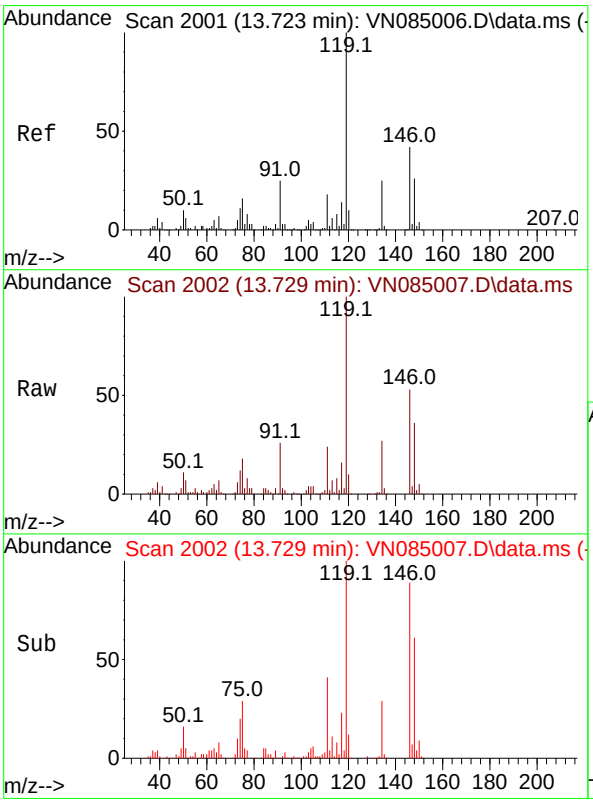
#85
sec-Butylbenzene
Concen: 20.885 ug/l
RT: 13.611 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 168068

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.3

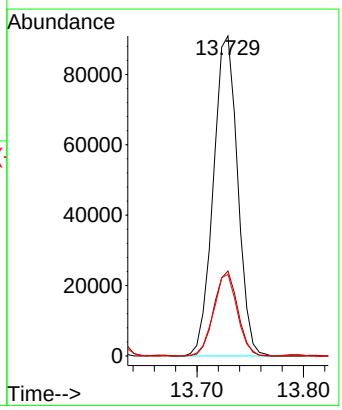


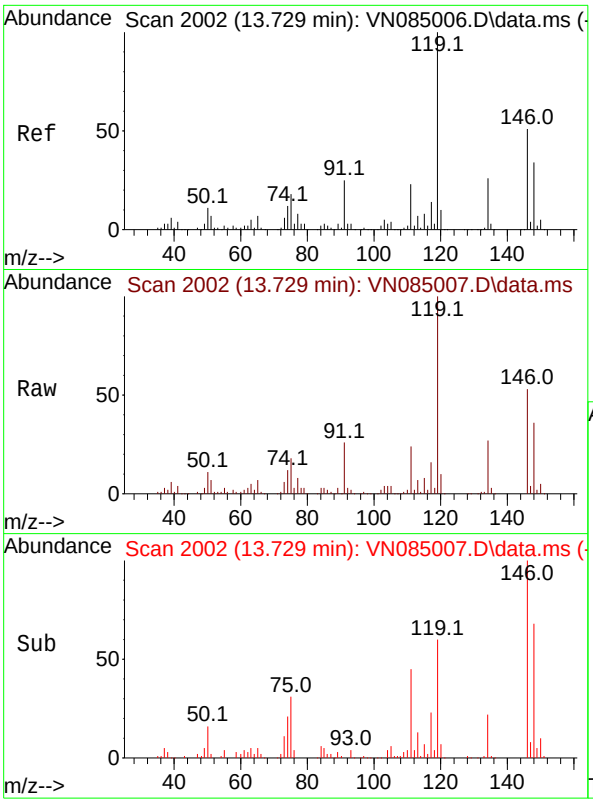


#86
p-Isopropyltoluene
Concen: 21.653 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:119 Resp: 143841

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	39.0
91	25.0	12.8	38.4



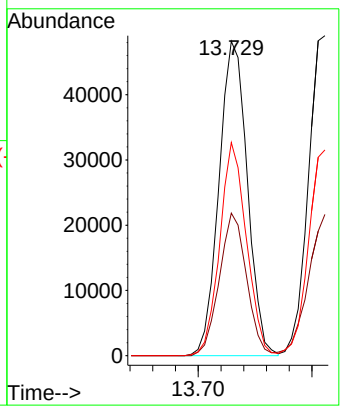


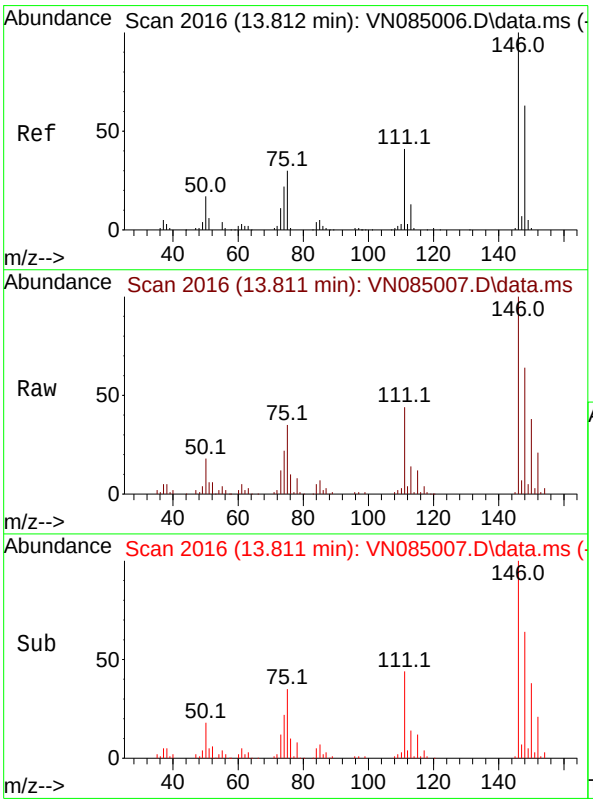
#87
1,3-Dichlorobenzene
Concen: 19.066 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 83500

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.6	65.0
148	63.9	32.2	96.6

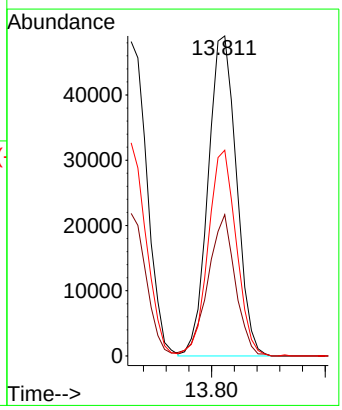


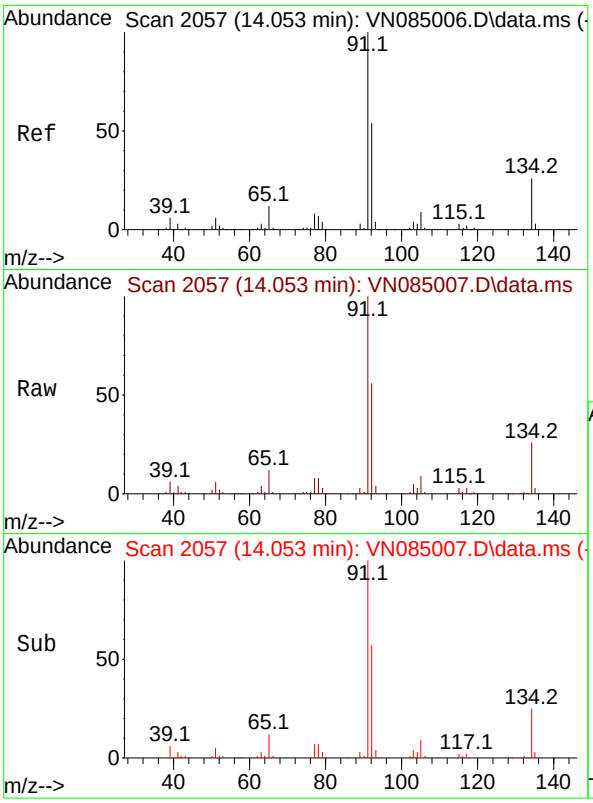


#88
1,4-Dichlorobenzene
Concen: 19.041 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:146 Resp: 85098

Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.9	62.8
148	63.5	31.3	93.9



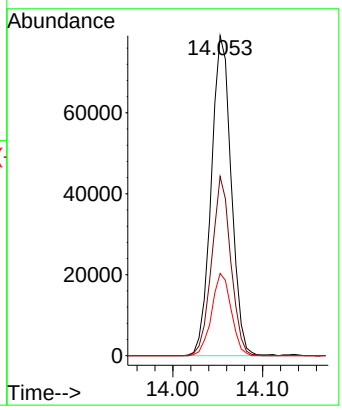


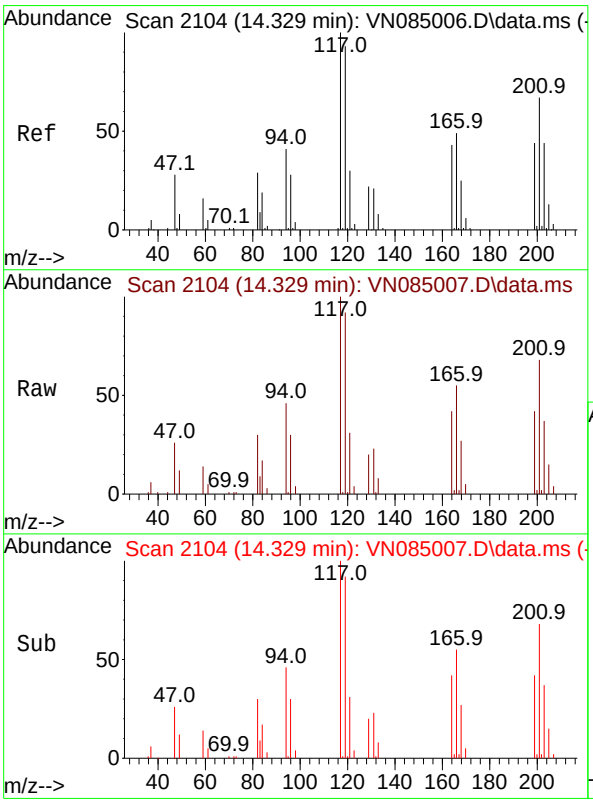
#89
n-Butylbenzene
Concen: 19.790 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 122257

Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.8	80.3
134	25.1	12.8	38.4

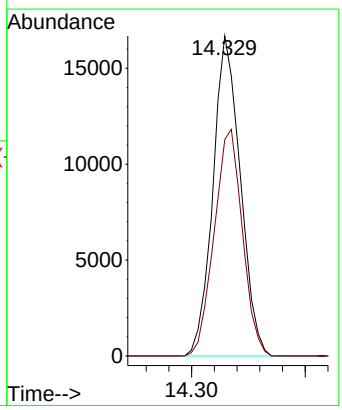


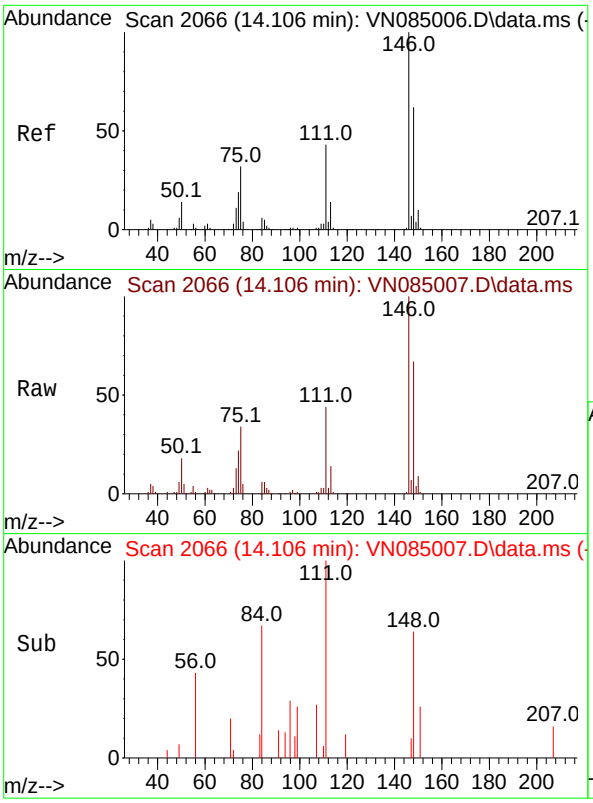


#90
Hexachloroethane
Concen: 19.267 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:117 Resp: 27899

Ion	Ratio	Lower	Upper
117	100		
201	72.9	35.2	105.6



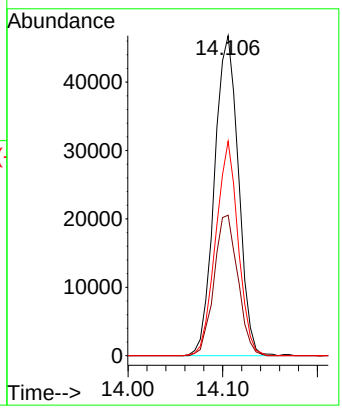


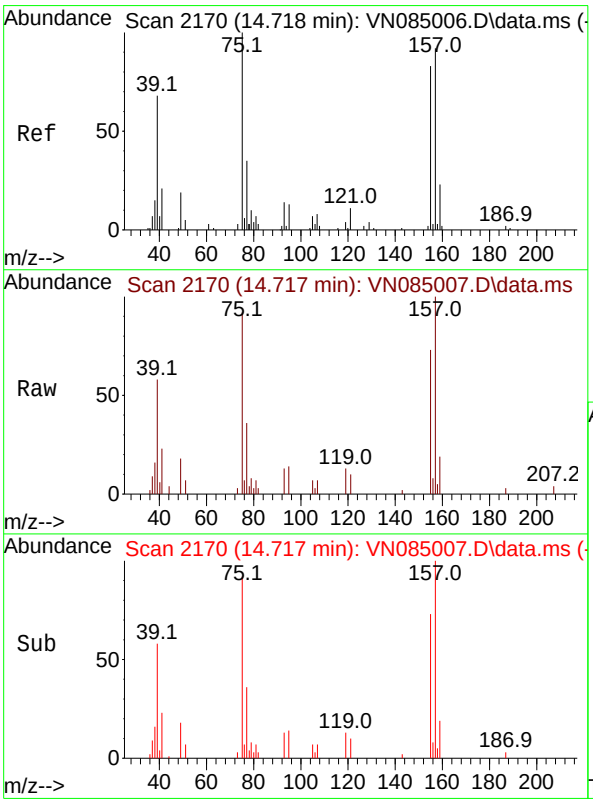
#91
1,2-Dichlorobenzene
Concen: 19.579 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 82164

Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.9	65.8
148	62.9	31.1	93.2

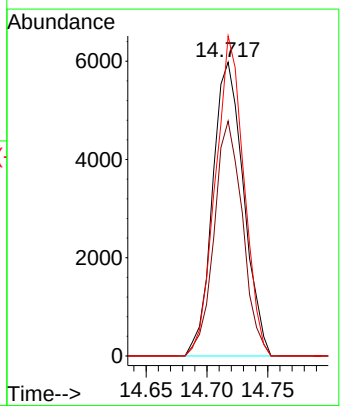


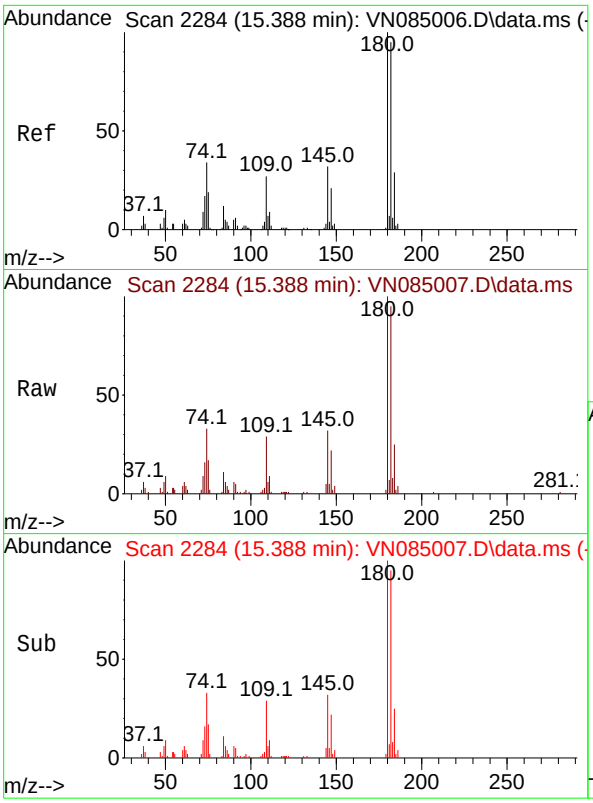


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.517 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 75 Resp: 10633

Ion	Ratio	Lower	Upper
75	100		
155	73.2	38.9	116.7
157	99.9	48.3	144.9



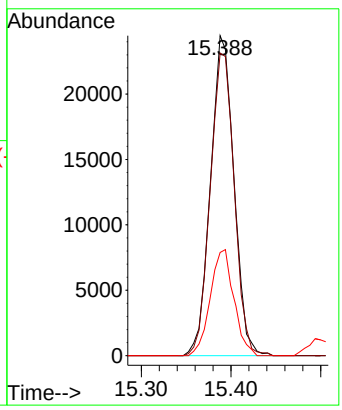


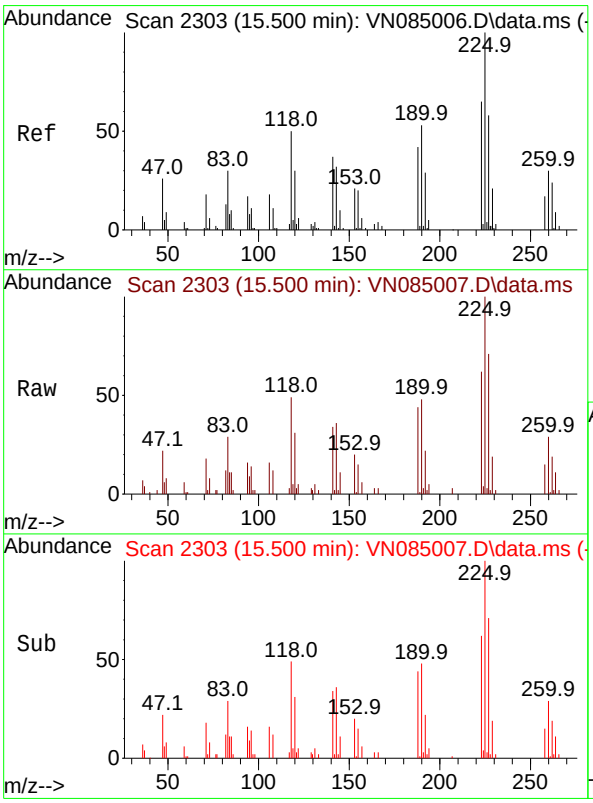
#93
1,2,4-Trichlorobenzene
Concen: 19.467 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 44383

Ion	Ratio	Lower	Upper
180	100		
182	96.5	46.9	140.8
145	33.4	16.3	48.8

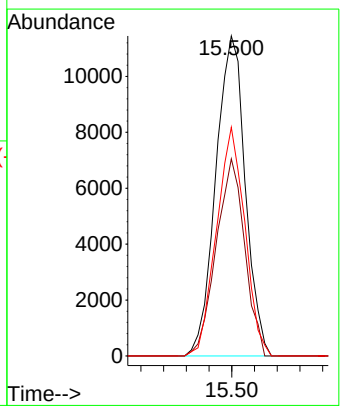


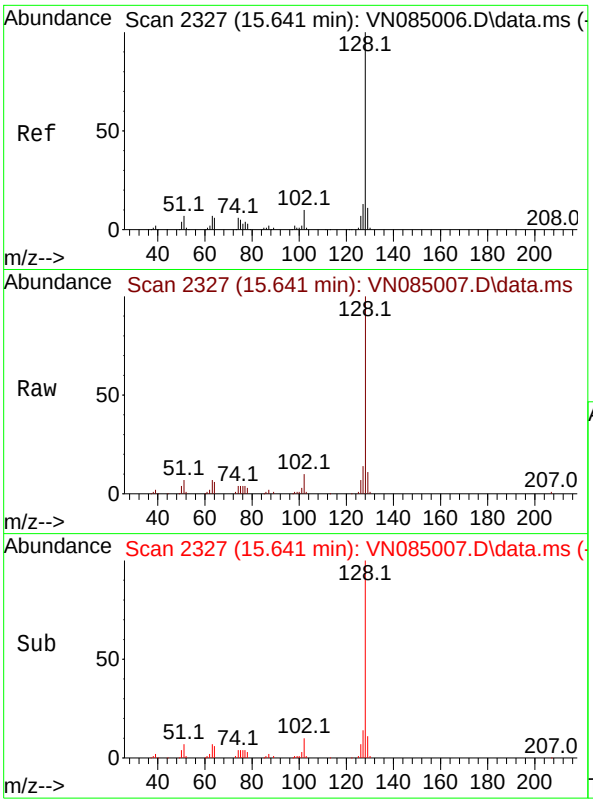


#94
Hexachlorobutadiene
Concen: 19.618 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:225 Resp: 20642

Ion	Ratio	Lower	Upper
225	100		
223	59.6	30.9	92.8
227	68.7	31.5	94.5



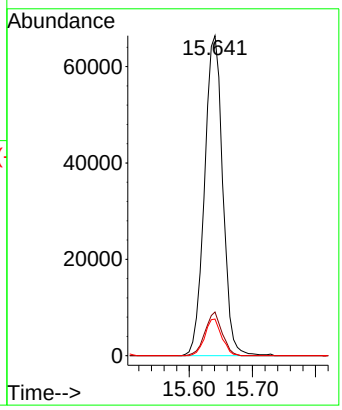


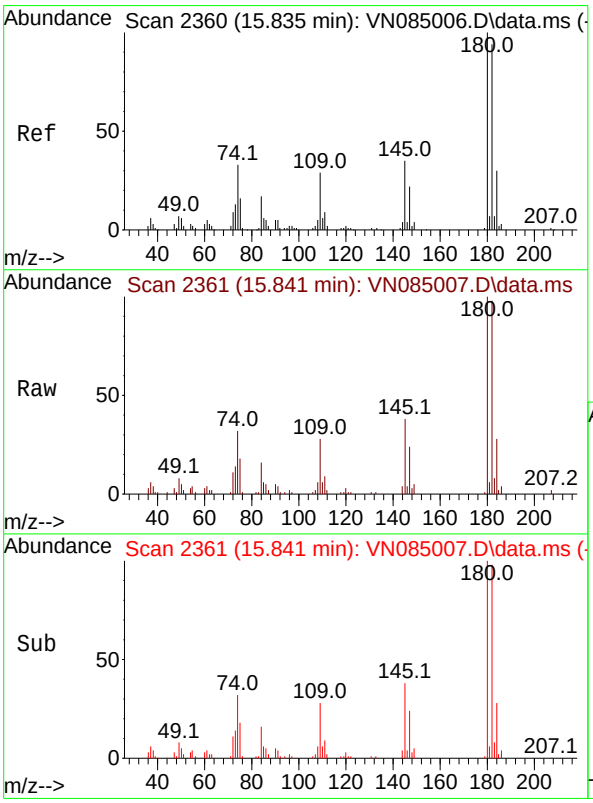
#95
Naphthalene
Concen: 20.454 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 132816

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.6	8.6	12.8

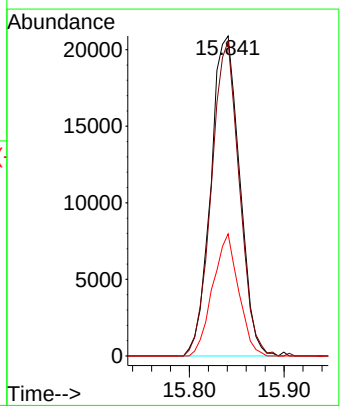




#96
1,2,3-Trichlorobenzene
Concen: 20.293 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:180 Resp: 44145

Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.4	139.2
145	34.3	17.3	52.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085008.D
Acq On : 22 Nov 2024 12:34
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Nov 23 02:00:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.218	168	161407	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.094	114	278264	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	234609	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110358	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.571	65	23734	10.323	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	20.640%#			
35) Dibromofluoromethane	8.159	113	18392	9.801	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	19.600%#			
50) Toluene-d8	10.559	98	64656	9.614	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	19.220%#			
62) 4-Bromofluorobenzene	12.847	95	24371	9.691	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	19.380%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	17355	9.509	ug/l		98
3) Chloromethane	2.359	50	19463	9.194	ug/l		93
4) Vinyl Chloride	2.512	62	18378	9.661	ug/l		99
5) Bromomethane	2.901	94	10681	10.017	ug/l		99
6) Chloroethane	3.077	64	12602	9.828	ug/l	#	88
7) Trichlorofluoromethane	3.477	101	30566	9.445	ug/l		98
8) Diethyl Ether	3.953	74	10394	9.437	ug/l		89
9) 1,1,2-Trichlorotrifluo...	4.353	101	17791	9.693	ug/l		98
10) Methyl Iodide	4.583	142	22722	9.353	ug/l		95
11) Tert butyl alcohol	5.542	59	15491	50.421	ug/l	#	81
12) 1,1-Dichloroethene	4.324	96	16330	9.532	ug/l		93
13) Acrolein	4.183	56	10601	51.710	ug/l		99
14) Allyl chloride	5.006	41	28006	9.697	ug/l		97
15) Acrylonitrile	5.718	53	40469	46.525	ug/l		98
16) Acetone	4.430	43	32743	48.900	ug/l		99
17) Carbon Disulfide	4.700	76	47181	9.331	ug/l	#	93
18) Methyl Acetate	5.018	43	23065	9.856	ug/l		100
19) Methyl tert-butyl Ether	5.795	73	53672	9.589	ug/l		96
20) Methylene Chloride	5.271	84	19680	9.632	ug/l		93
21) trans-1,2-Dichloroethene	5.777	96	16759	9.296	ug/l		92
22) Diisopropyl ether	6.665	45	56475	9.716	ug/l		99
23) Vinyl Acetate	6.594	43	192330	47.962	ug/l		100
24) 1,1-Dichloroethane	6.559	63	33350	9.588	ug/l	#	92
25) 2-Butanone	7.477	43	51223	46.790	ug/l		95
26) 2,2-Dichloropropane	7.477	77	30494	9.388	ug/l		98
27) cis-1,2-Dichloroethene	7.477	96	20469	9.418	ug/l		99
28) Bromochloromethane	7.806	49	12594	9.591	ug/l		95
29) Tetrahydrofuran	7.841	42	32197	47.294	ug/l		99
30) Chloroform	7.959	83	34651	9.365	ug/l		98
31) Cyclohexane	8.253	56	29526	9.641	ug/l		95
32) 1,1,1-Trichloroethane	8.165	97	32054	9.587	ug/l		98
36) 1,1-Dichloropropene	8.371	75	23205	9.130	ug/l		99
37) Ethyl Acetate	7.559	43	22487	9.732	ug/l	#	97
38) Carbon Tetrachloride	8.353	117	26952	9.186	ug/l		97
39) Methylcyclohexane	9.594	83	23924	9.058	ug/l		96
40) Benzene	8.600	78	75597	9.404	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085008.D
Acq On : 22 Nov 2024 12:34
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Nov 23 02:00:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	12417	9.705	ug/l		99
42) 1,2-Dichloroethane	8.659	62	25169	9.152	ug/l		100
43) Isopropyl Acetate	8.688	43	43717	9.108	ug/l		95
44) Trichloroethene	9.347	130	17835	9.547	ug/l		90
45) 1,2-Dichloropropane	9.618	63	18902	9.546	ug/l		98
46) Dibromomethane	9.706	93	12540	9.114	ug/l		96
47) Bromodichloromethane	9.888	83	27136	9.306	ug/l		95
48) Methyl methacrylate	9.677	41	16793	9.402	ug/l		95
49) 1,4-Dioxane	9.694	88	6366	205.527	ug/l	#	90
51) 4-Methyl-2-Pentanone	10.441	43	106422	48.544	ug/l		100
52) Toluene	10.630	92	44072	9.261	ug/l		95
53) t-1,3-Dichloropropene	10.835	75	27040	9.249	ug/l		98
54) cis-1,3-Dichloropropene	10.306	75	28183	9.087	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	17498	9.871	ug/l		98
56) Ethyl methacrylate	10.871	69	24309	9.385	ug/l		99
57) 1,3-Dichloropropane	11.159	76	29257	9.378	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.153	63	61252	48.207	ug/l		97
59) 2-Hexanone	11.194	43	77951	47.542	ug/l		98
60) Dibromochloromethane	11.353	129	19478	8.991	ug/l		97
61) 1,2-Dibromoethane	11.465	107	17673	9.633	ug/l		95
64) Tetrachloroethene	11.100	164	15092	9.547	ug/l		94
65) Chlorobenzene	11.888	112	51106	9.605	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	17966	9.590	ug/l		98
67) Ethyl Benzene	11.959	91	79668	9.229	ug/l		95
68) m/p-Xylenes	12.071	106	62195	18.925	ug/l		98
69) o-Xylene	12.394	106	30067	9.618	ug/l		95
70) Styrene	12.412	104	50150	9.647	ug/l		99
71) Bromoform	12.576	173	12832	9.228	ug/l	#	96
73) Isopropylbenzene	12.694	105	75080	9.644	ug/l		98
74) N-amyl acetate	12.488	43	29811	9.292	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.935	83	25341	9.532	ug/l		98
76) 1,2,3-Trichloropropane	12.988	75	32755	15.866	ug/l		45
77) Bromobenzene	12.976	156	19904	9.500	ug/l		99
78) n-propylbenzene	13.035	91	85642	9.537	ug/l		98
79) 2-Chlorotoluene	13.123	91	58233	9.715	ug/l		98
80) 1,3,5-Trimethylbenzene	13.171	105	63212	9.676	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	8603	9.738	ug/l		99
82) 4-Chlorotoluene	13.218	91	60156	9.640	ug/l		100
83) tert-Butylbenzene	13.435	119	53773	9.566	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	64606	9.607	ug/l		99
85) sec-Butylbenzene	13.618	105	72405	9.535	ug/l		99
86) p-Isopropyltoluene	13.729	119	60467	9.647	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	38501	9.317	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	39471	9.360	ug/l		99
89) n-Butylbenzene	14.059	91	52430	8.994	ug/l		100
90) Hexachloroethane	14.335	117	12541	9.179	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	37183	9.390	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	4917	9.565	ug/l		99
93) 1,2,4-Trichlorobenzene	15.394	180	20285	9.429	ug/l		97
94) Hexachlorobutadiene	15.500	225	9015	9.080	ug/l		98
95) Naphthalene	15.641	128	54191	8.844	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	18745	9.132	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085008.D
Acq On : 22 Nov 2024 12:34
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Nov 23 02:00:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

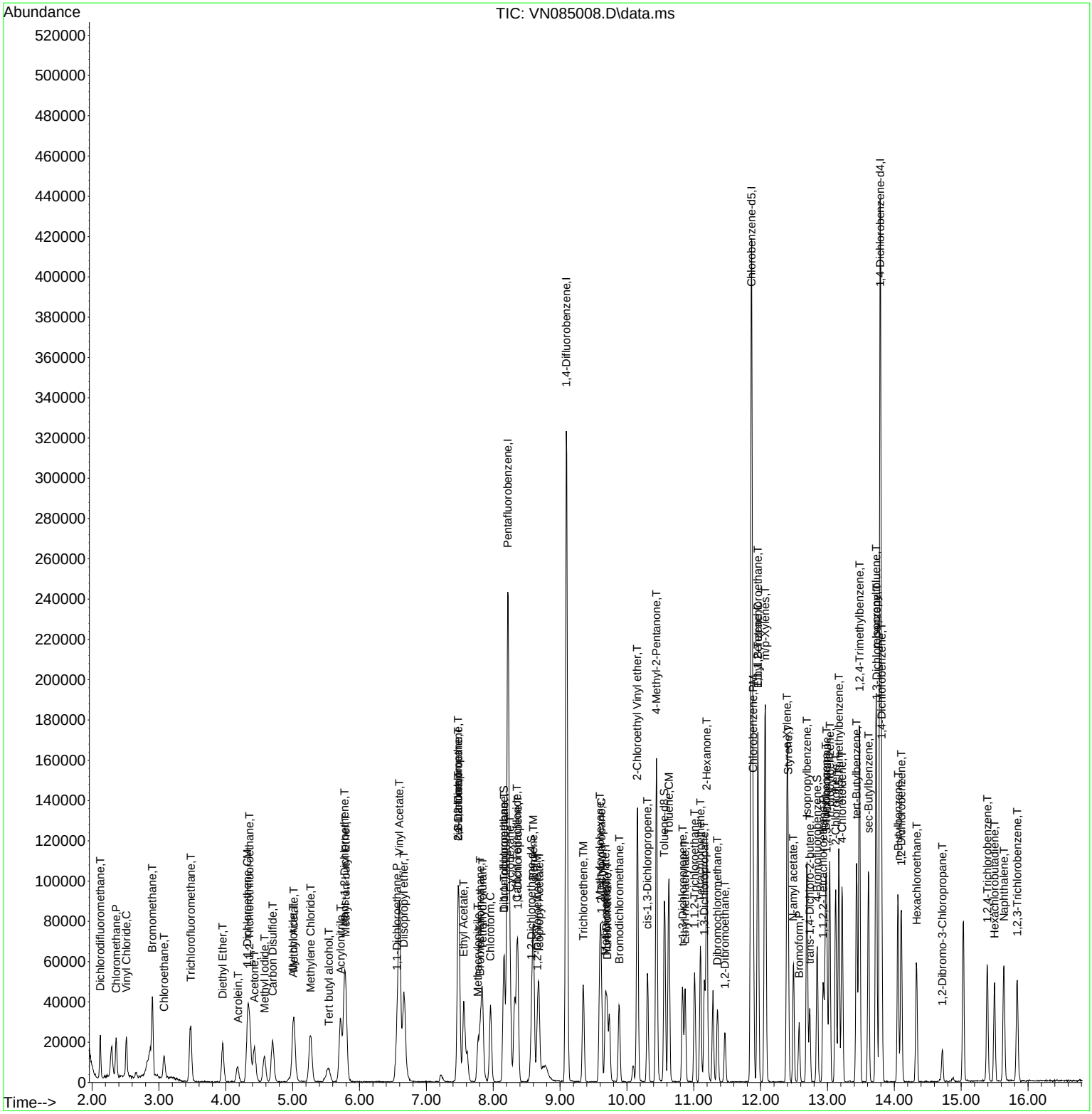
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

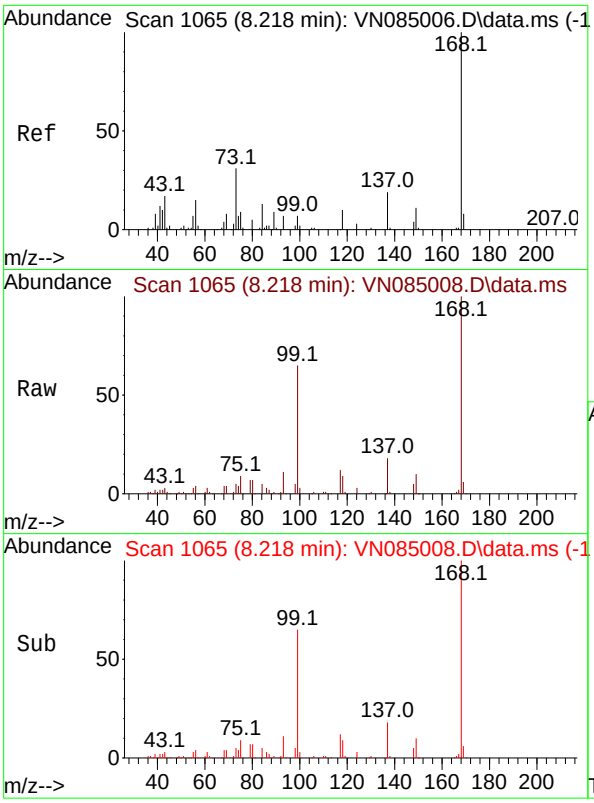
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085008.D
Acq On : 22 Nov 2024 12:34
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Nov 23 02:00:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration



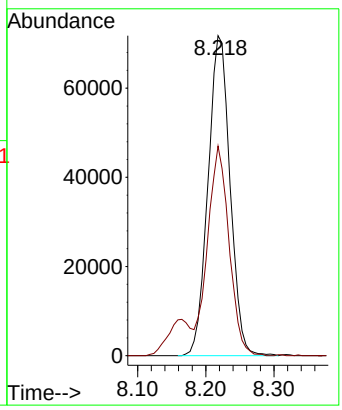


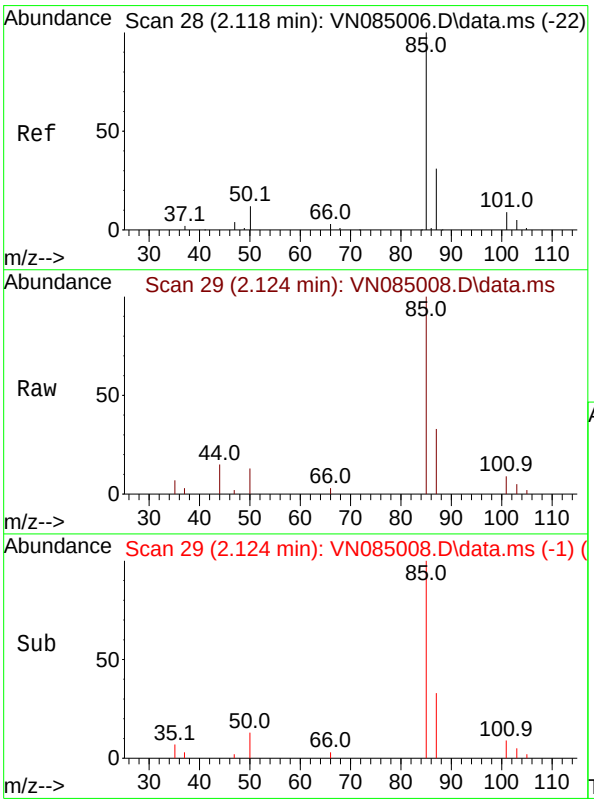
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:168 Resp: 161407

Ion	Ratio	Lower	Upper
168	100		
99	65.2	51.2	76.8

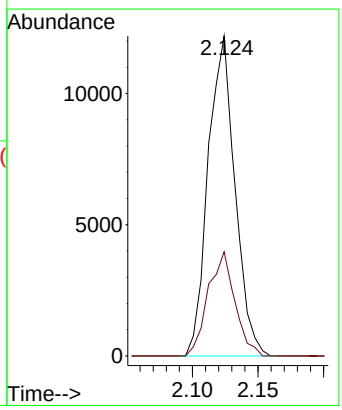


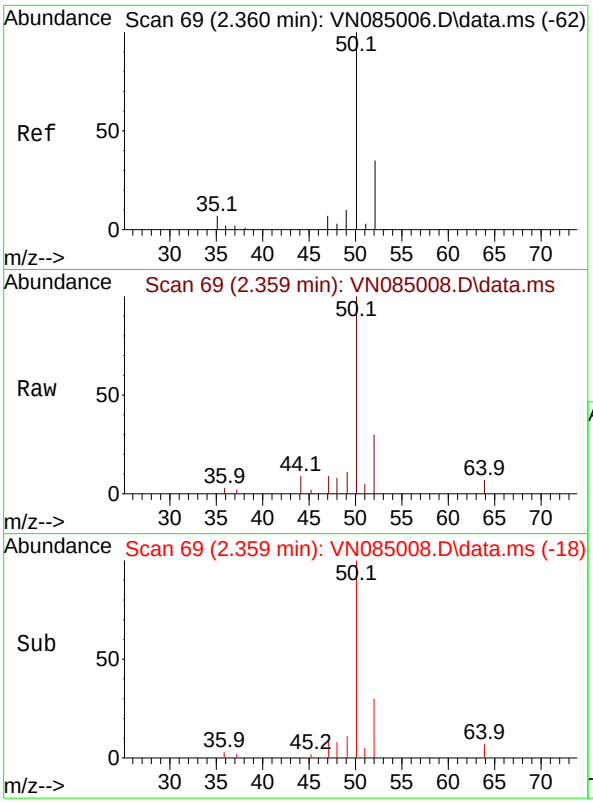


#2
Dichlorodifluoromethane
Concen: 9.509 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 85 Resp: 17355

Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.7	47.1



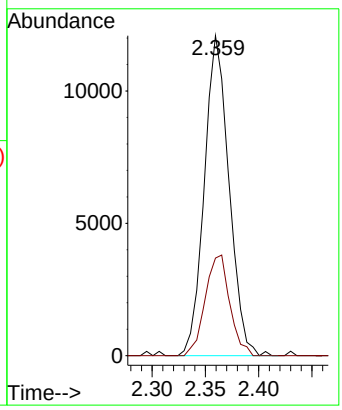


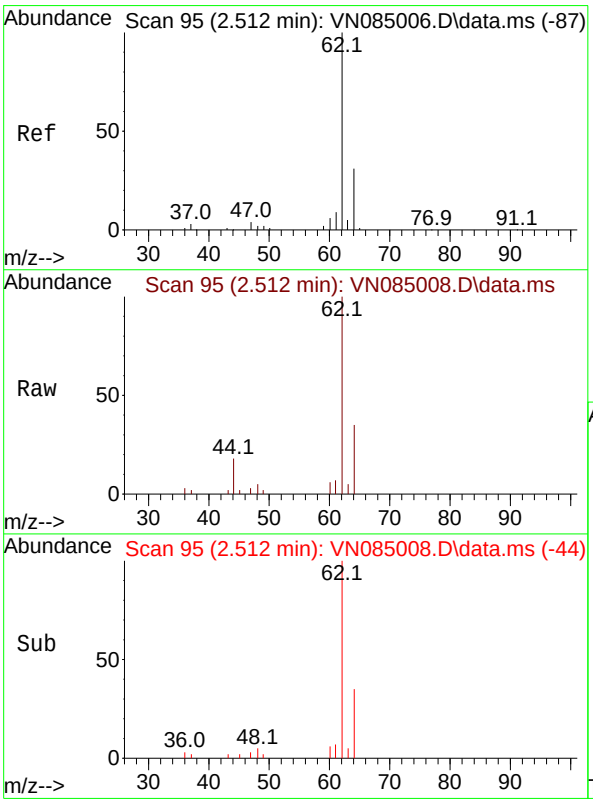
#3
Chloromethane
Concen: 9.194 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 19463

Ion	Ratio	Lower	Upper
50	100		
52	30.5	27.8	41.8

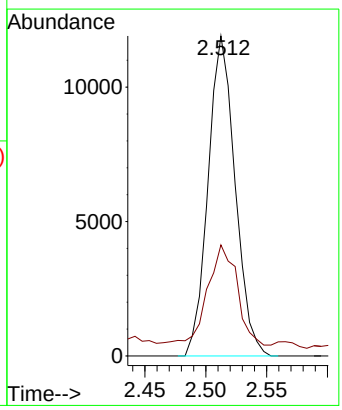


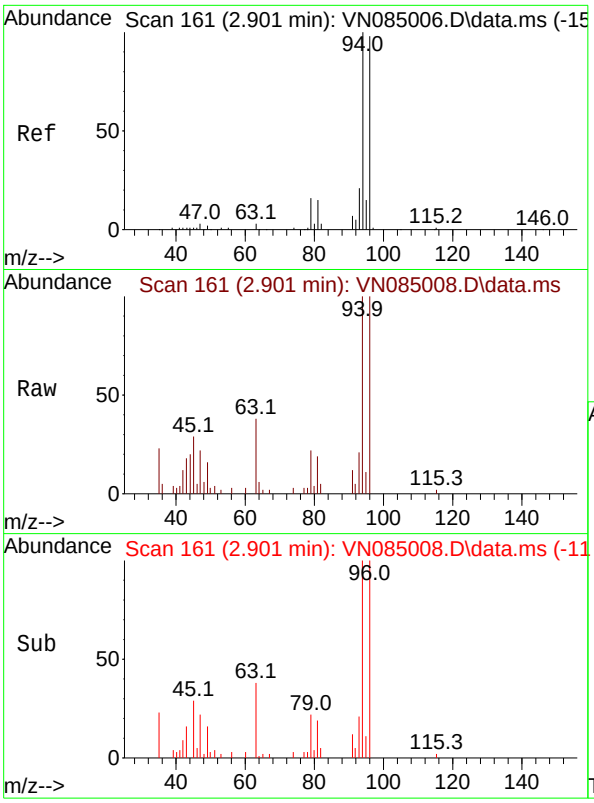


#4
Vinyl Chloride
Concen: 9.661 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 62 Resp: 18378

Ion	Ratio	Lower	Upper
62	100		
64	30.3	24.6	36.8



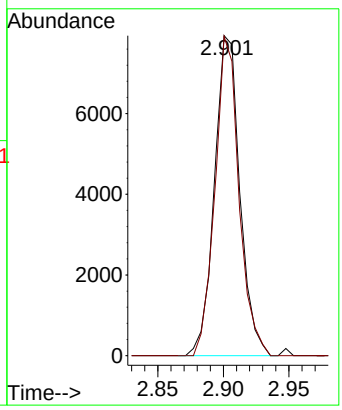


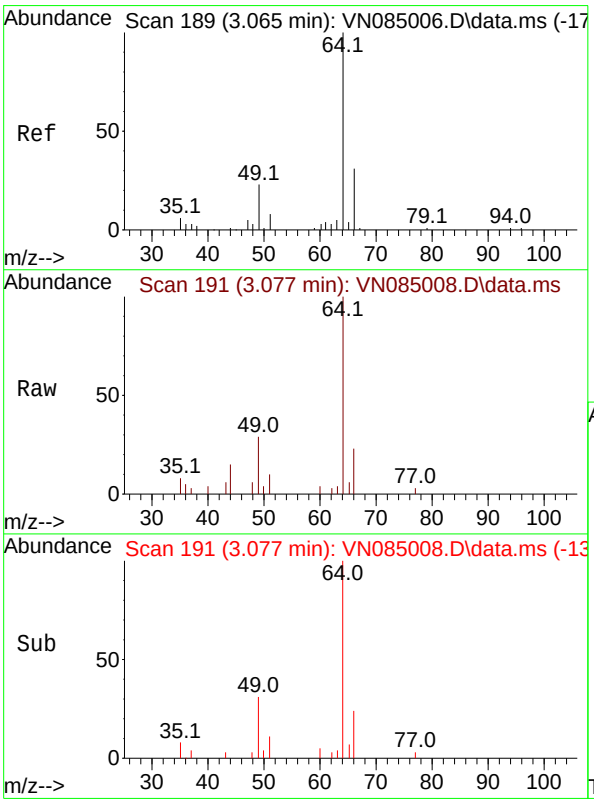
#5
Bromomethane
Concen: 10.017 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 94 Resp: 10681

Ion	Ratio	Lower	Upper
94	100		
96	99.7	78.7	118.1

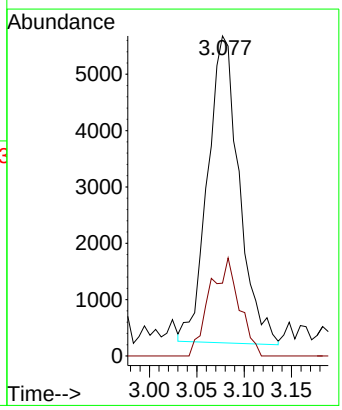


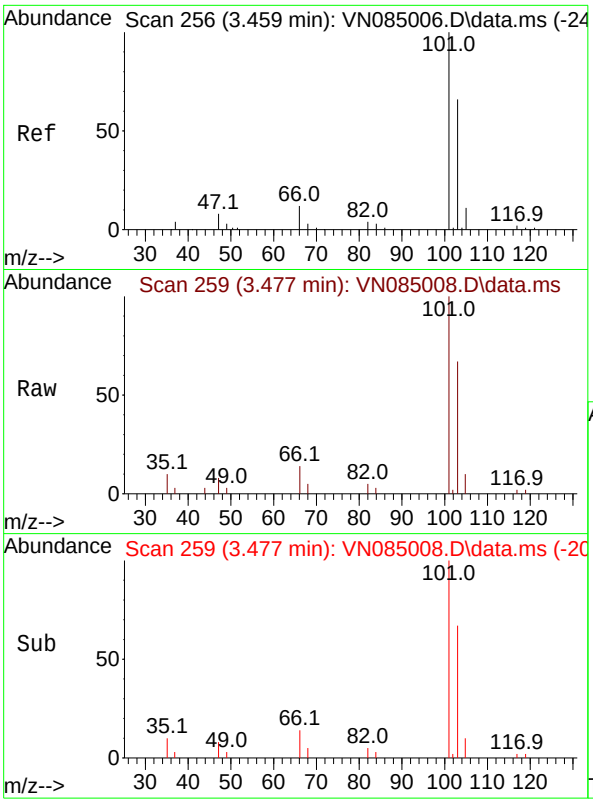


#6
Chloroethane
Concen: 9.828 ug/l
RT: 3.077 min Scan# 191
Delta R.T. 0.012 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 64 Resp: 12602

Ion	Ratio	Lower	Upper
64	100		
66	23.8	24.4	36.6#



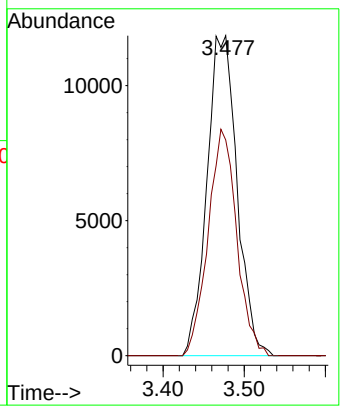


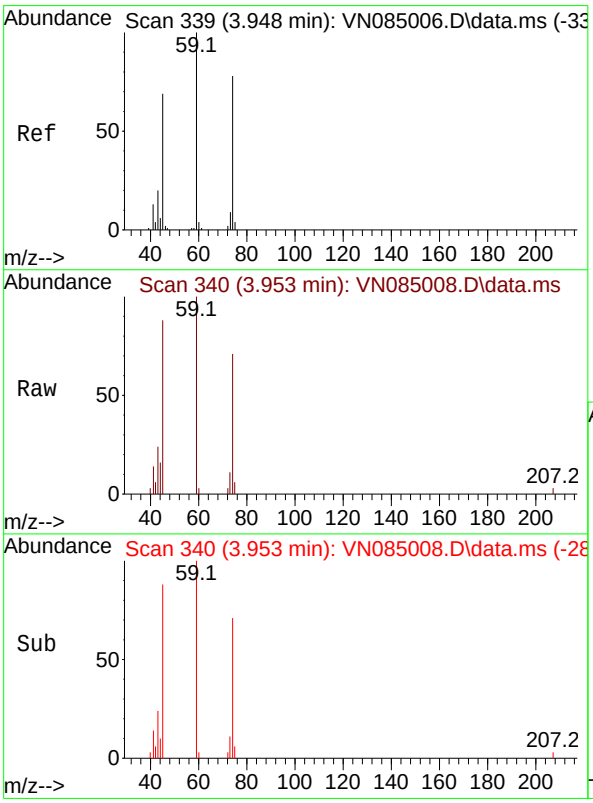
#7
Trichlorofluoromethane
Concen: 9.445 ug/l
RT: 3.477 min Scan# 2
Delta R.T. 0.018 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 30566

Ion	Ratio	Lower	Upper
101	100		
103	67.4	52.6	78.8

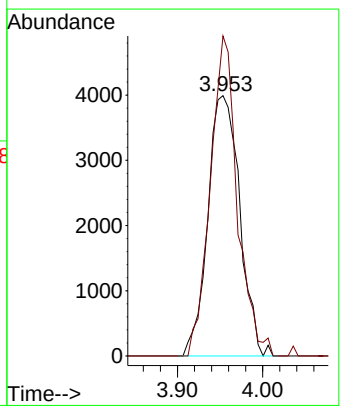


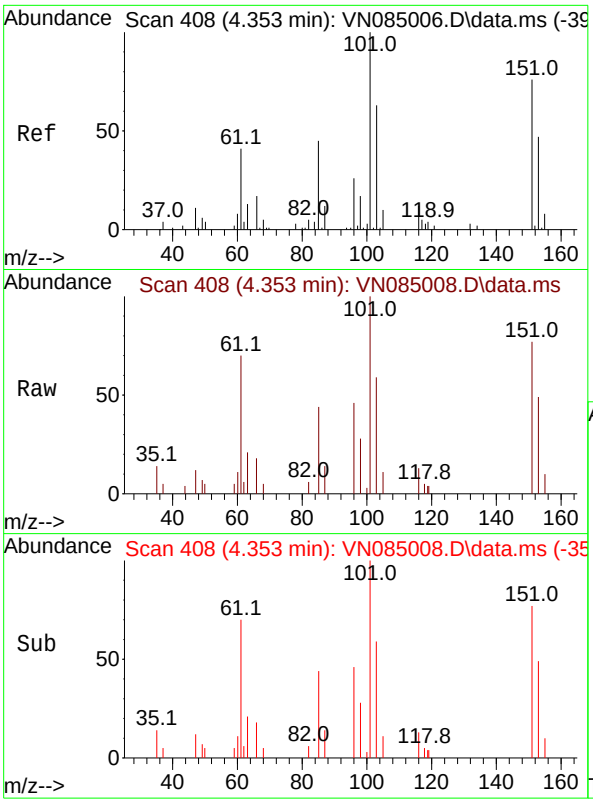


#8
Diethyl Ether
Concen: 9.437 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 74 Resp: 10394

Ion	Ratio	Lower	Upper
74	100		
45	104.3	46.7	140.1



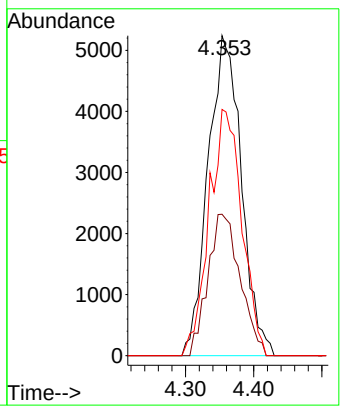


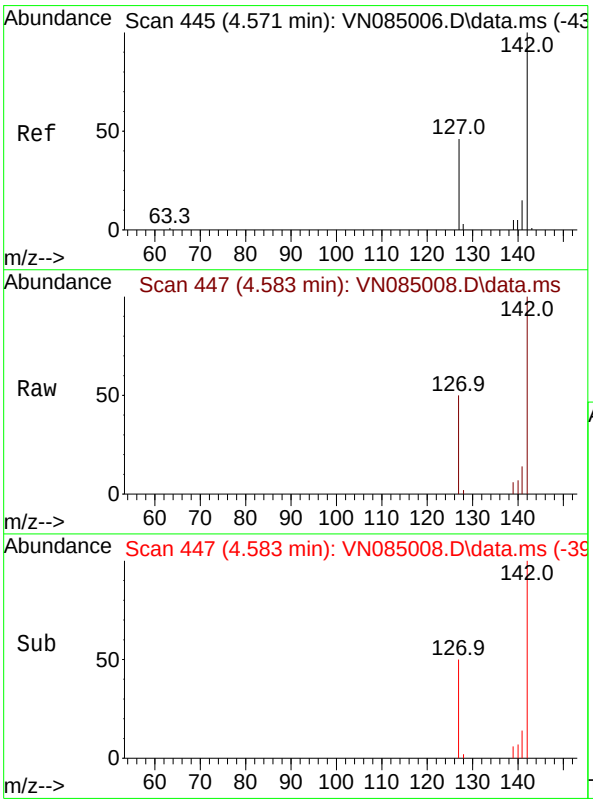
#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.693 ug/l
RT: 4.353 min Scan# 4(
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 17791

Ion	Ratio	Lower	Upper
101	100		
85	42.9	36.9	55.3
151	75.7	60.8	91.2

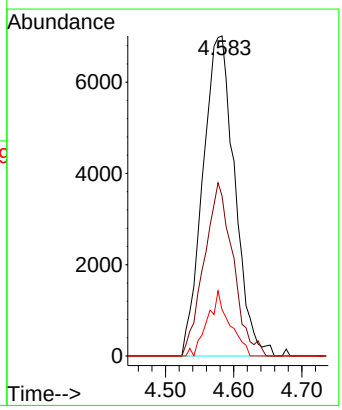


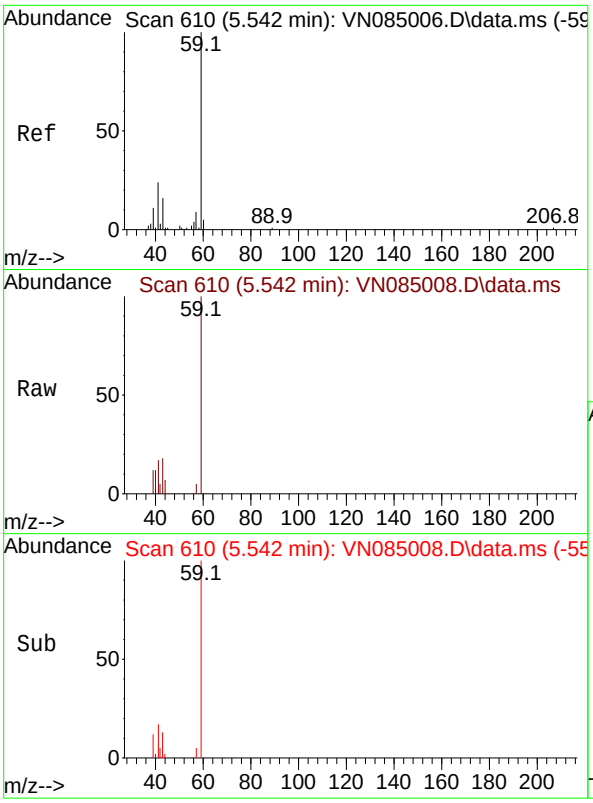


#10
Methyl Iodide
Concen: 9.353 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.012 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:142 Resp: 22722

Ion	Ratio	Lower	Upper
142	100		
127	50.1	36.6	54.8
141	14.5	12.2	18.4



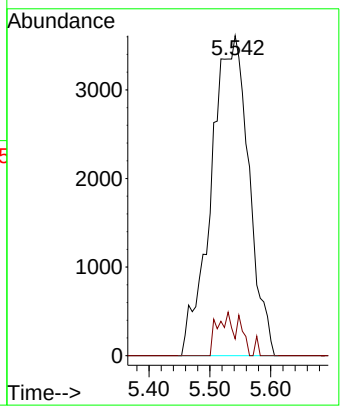


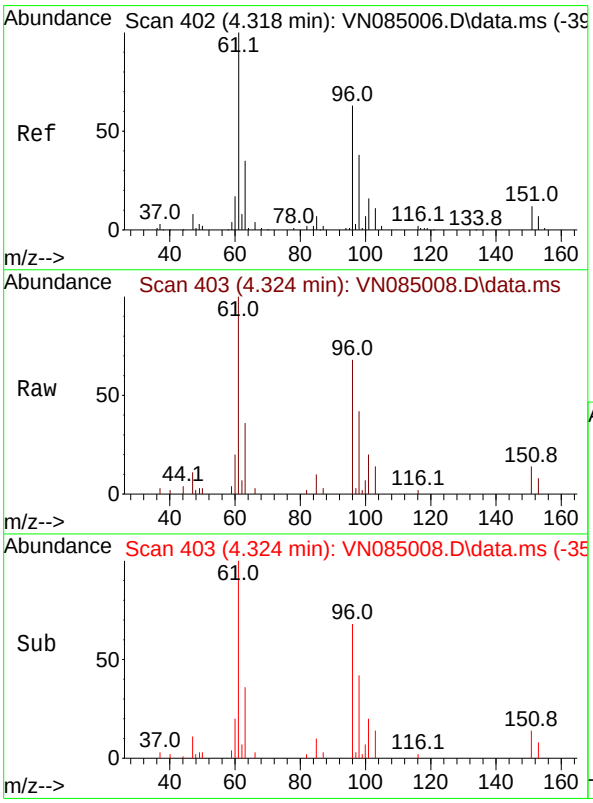
#11
Tert butyl alcohol
Concen: 50.421 ug/l
RT: 5.542 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 59 Resp: 15491

Ion	Ratio	Lower	Upper
59	100		
57	2.2	7.4	11.0#

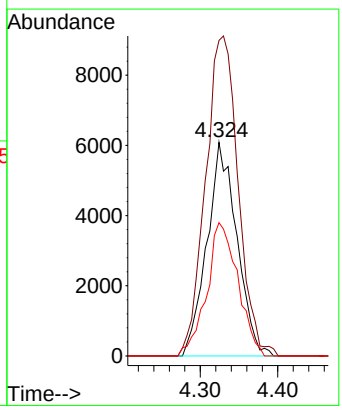


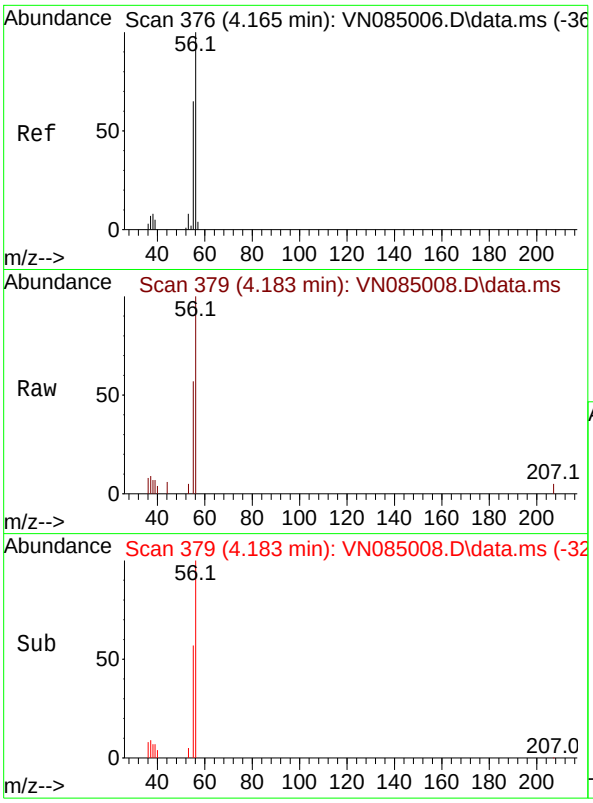


#12
1,1-Dichloroethene
Concen: 9.532 ug/l
RT: 4.324 min Scan# 403
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 96 Resp: 16330

Ion	Ratio	Lower	Upper
96	100		
61	147.7	127.8	191.8
98	62.4	49.2	73.8



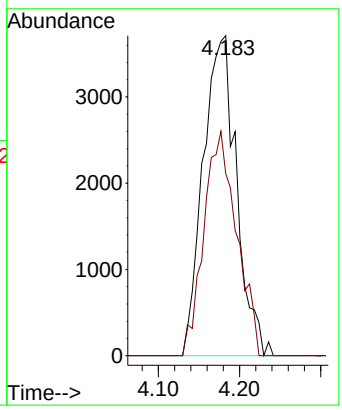


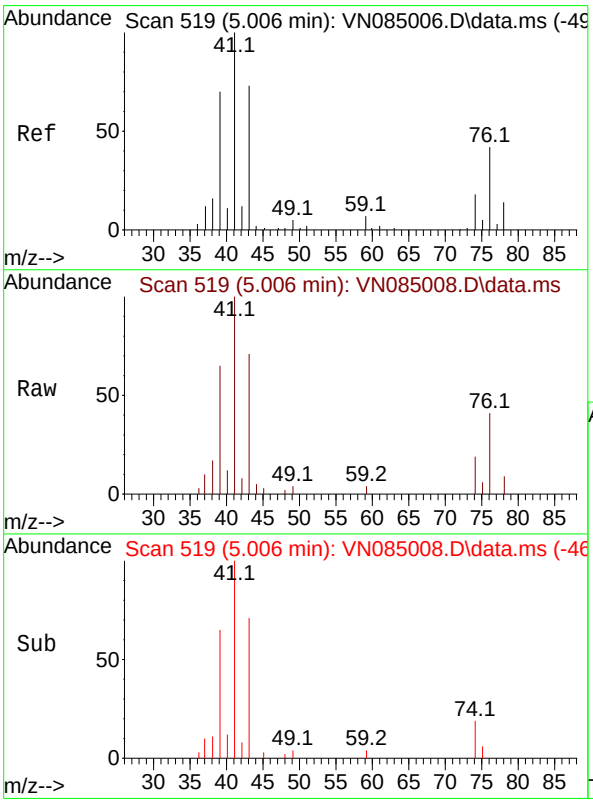
#13
Acrolein
Concen: 51.710 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.018 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 10601

Ion	Ratio	Lower	Upper
56	100		
55	68.7	54.5	81.7

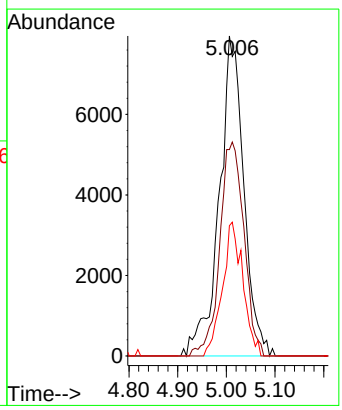


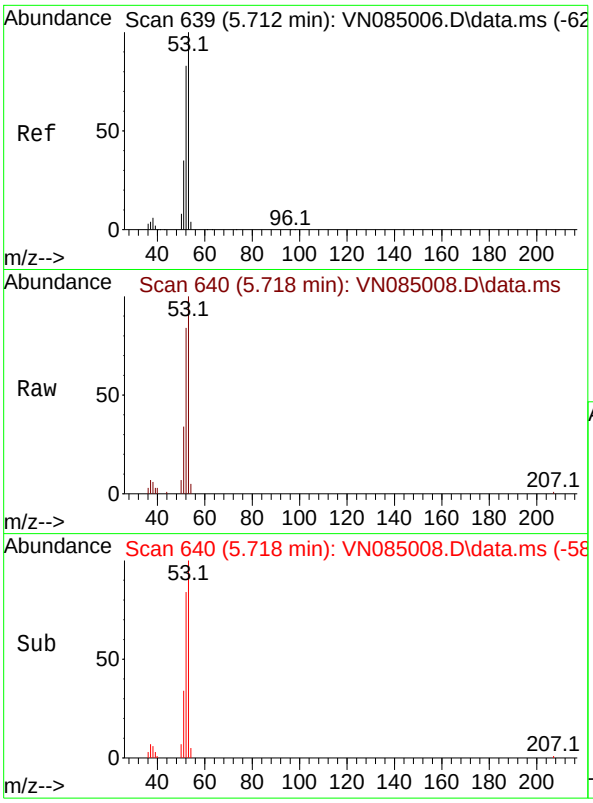


#14
Allyl chloride
Concen: 9.697 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 41 Resp: 28006

Ion	Ratio	Lower	Upper
41	100		
39	65.6	53.8	80.8
76	34.7	29.3	43.9



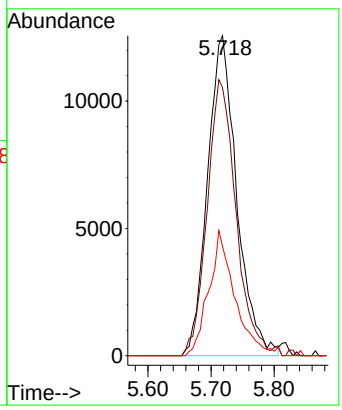


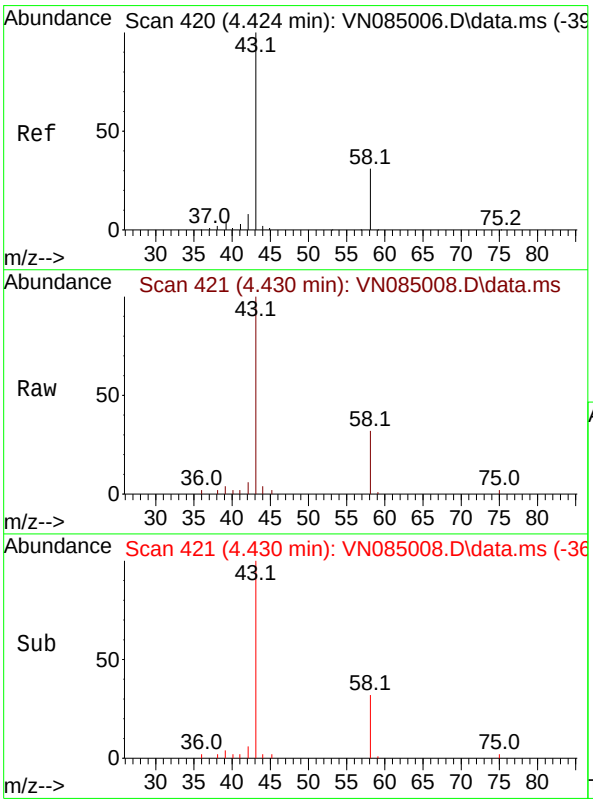
#15
Acrylonitrile
Concen: 46.525 ug/l
RT: 5.718 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 53 Resp: 40469

Ion	Ratio	Lower	Upper
53	100		
52	84.5	65.5	98.3
51	35.0	28.4	42.6

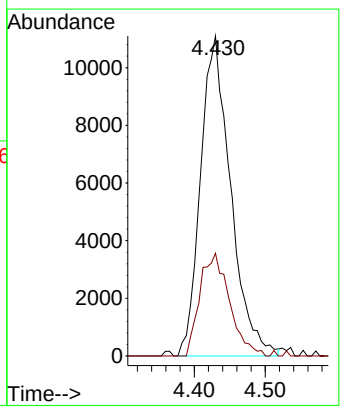


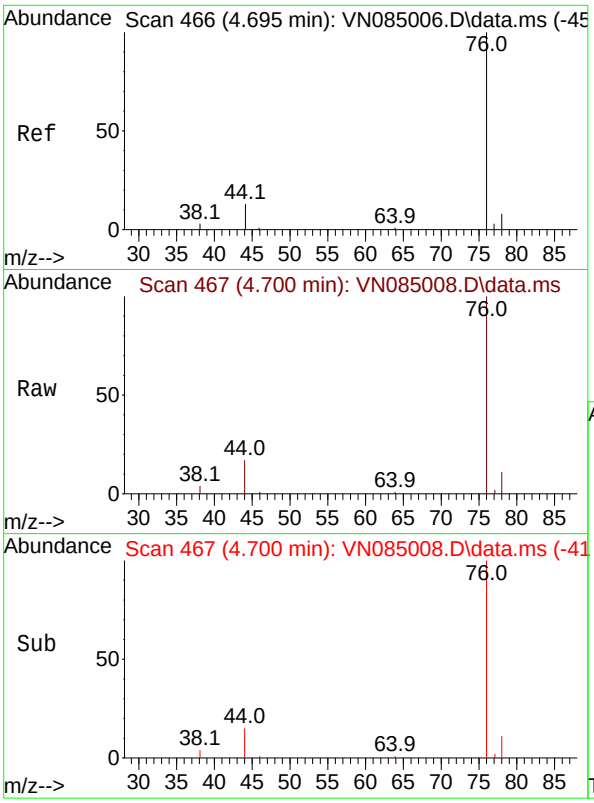


#16
Acetone
Concen: 48.900 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 43 Resp: 32743

Ion	Ratio	Lower	Upper
43	100		
58	32.1	25.4	38.2



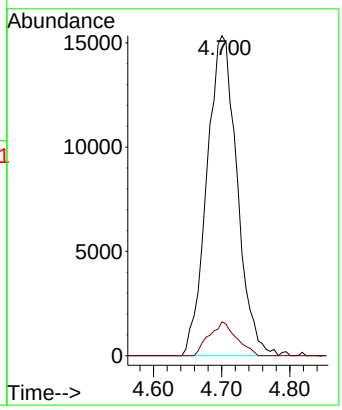


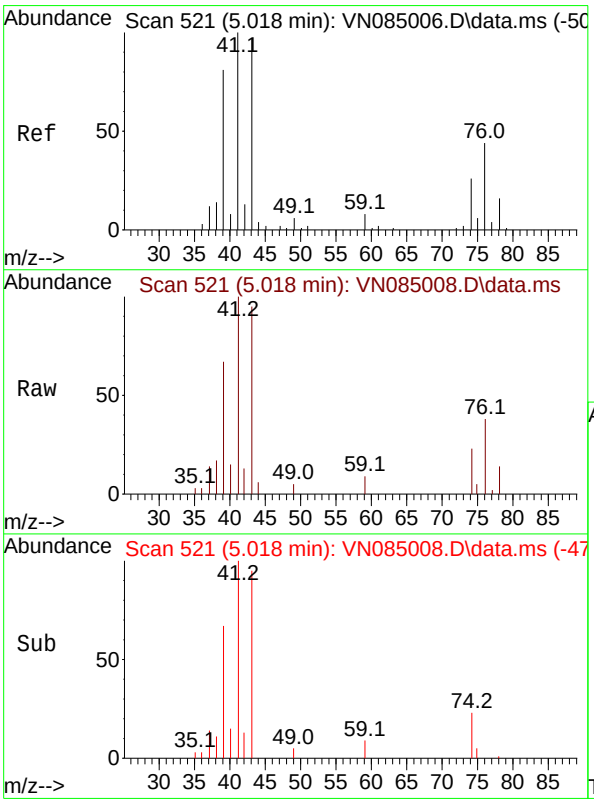
#17
Carbon Disulfide
Concen: 9.331 ug/l
RT: 4.700 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 47181

Ion	Ratio	Lower	Upper
76	100		
78	10.6	6.5	9.7#

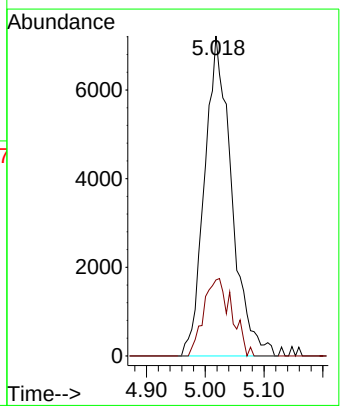


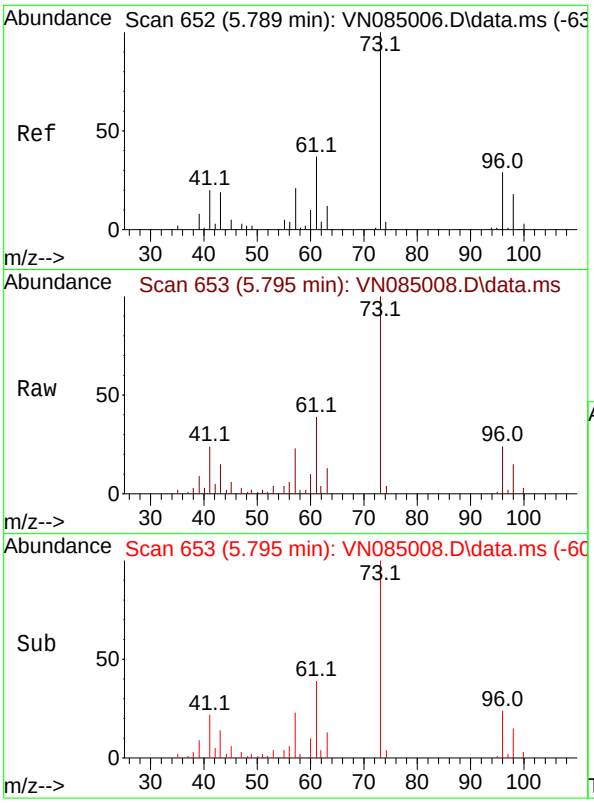


#18
Methyl Acetate
Concen: 9.856 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 43 Resp: 23065

Ion	Ratio	Lower	Upper
43	100		
74	25.0	20.1	30.1



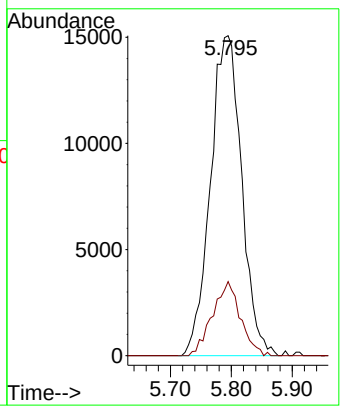


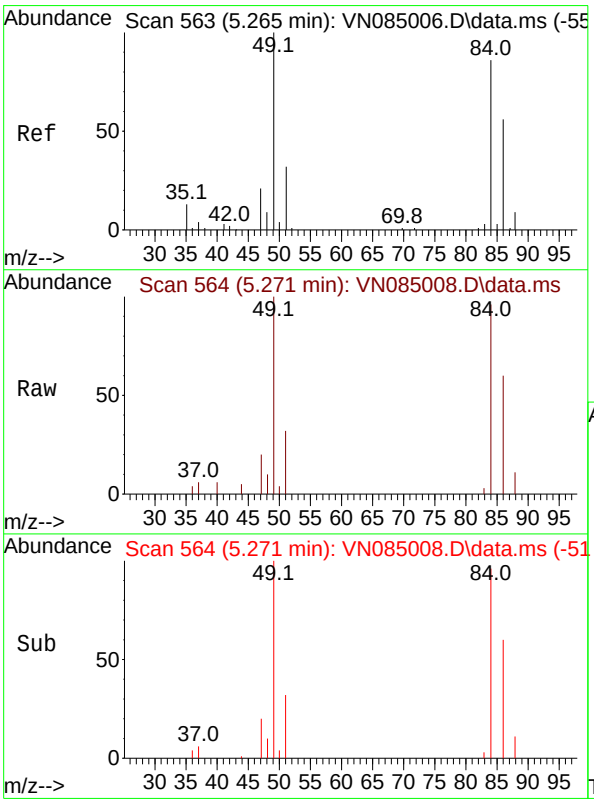
#19
Methyl tert-butyl Ether
Concen: 9.589 ug/l
RT: 5.795 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 73 Resp: 53672

Ion	Ratio	Lower	Upper
73	100		
57	23.1	17.0	25.4

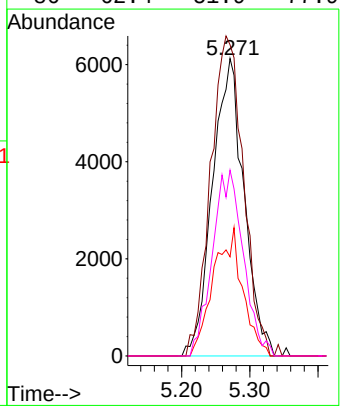


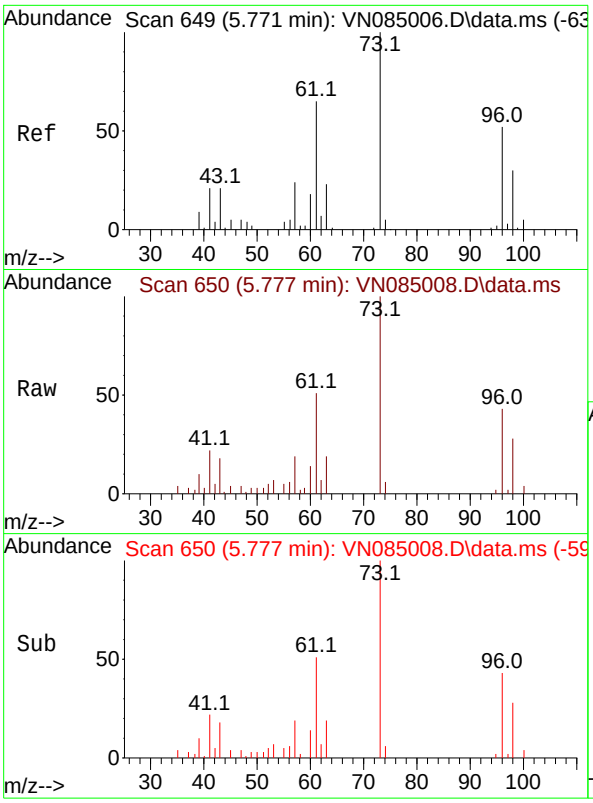


#20
Methylene Chloride
Concen: 9.632 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 84 Resp: 19680

Ion	Ratio	Lower	Upper
84	100		
49	104.6	92.7	139.1
51	33.3	29.4	44.2
86	62.4	51.9	77.9



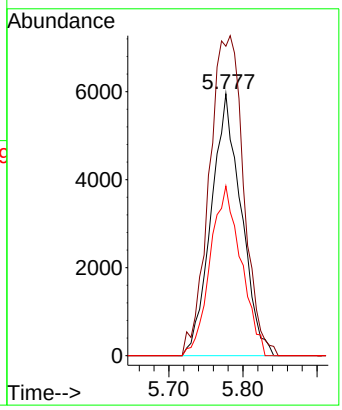


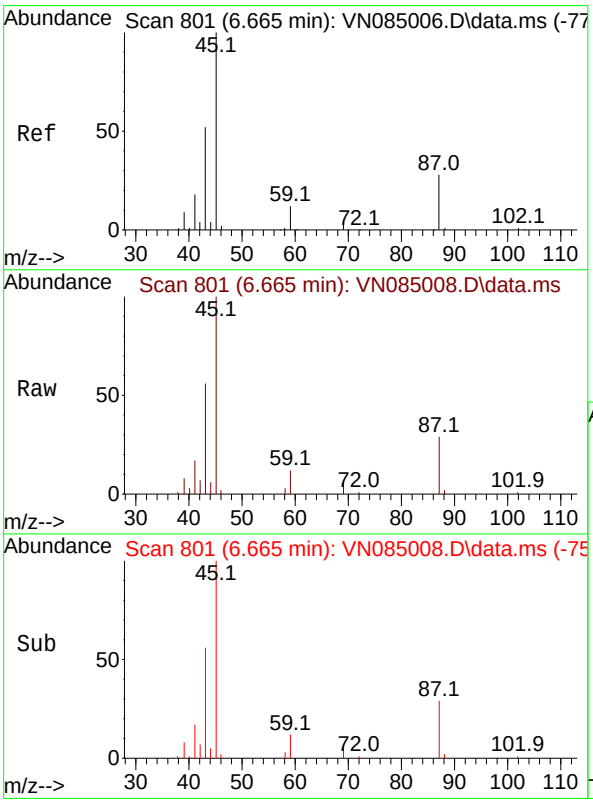
#21
trans-1,2-Dichloroethene
Concen: 9.296 ug/l
RT: 5.777 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 16759

Ion	Ratio	Lower	Upper
96	100		
61	118.2	100.7	151.1
98	64.8	45.8	68.6

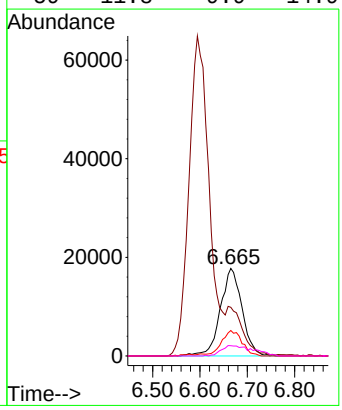


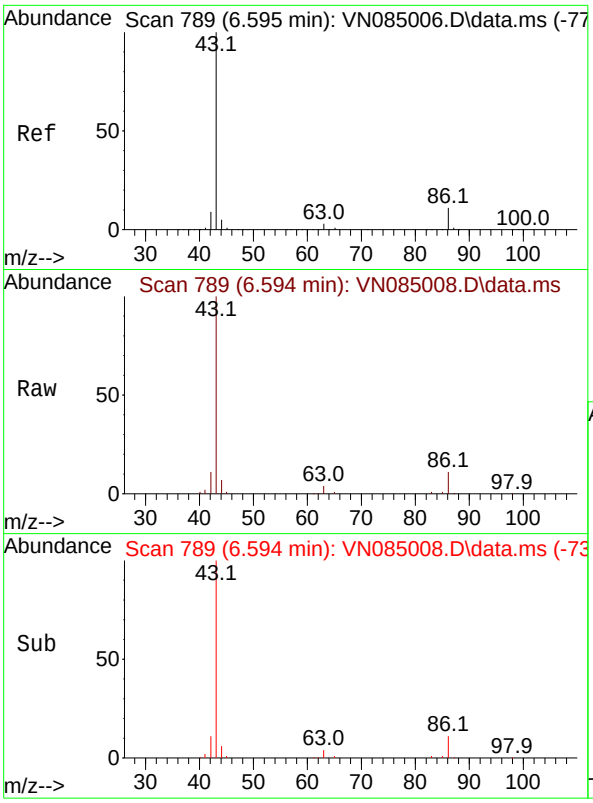


#22
Diisopropyl ether
Concen: 9.716 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 45 Resp: 56475

Ion	Ratio	Lower	Upper
45	100		
43	53.8	42.7	64.1
87	29.0	22.6	34.0
59	11.8	9.9	14.9



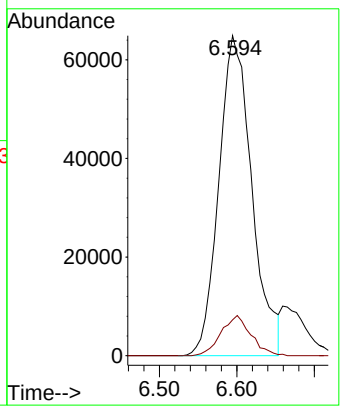


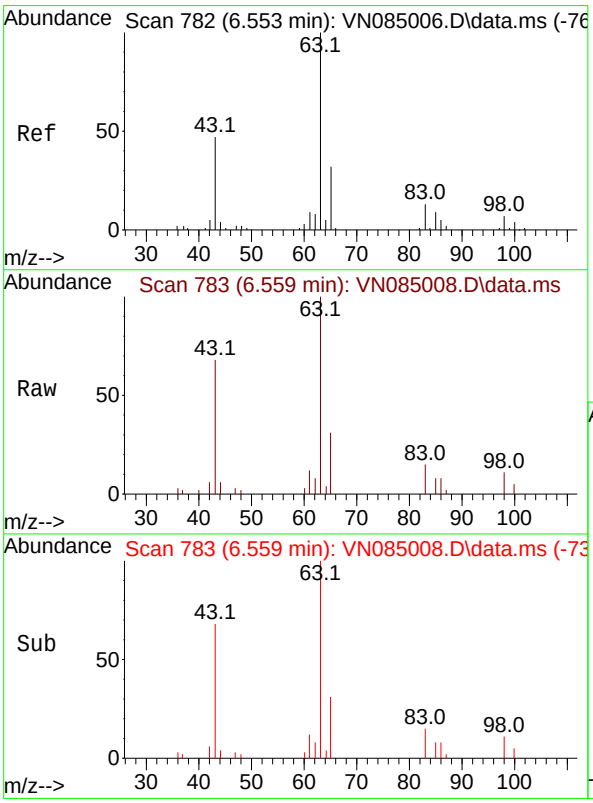
#23
Vinyl Acetate
Concen: 47.962 ug/l
RT: 6.594 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 192330

Ion	Ratio	Lower	Upper
43	100		
86	11.2	8.9	13.3

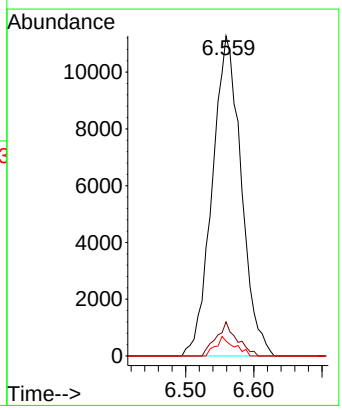


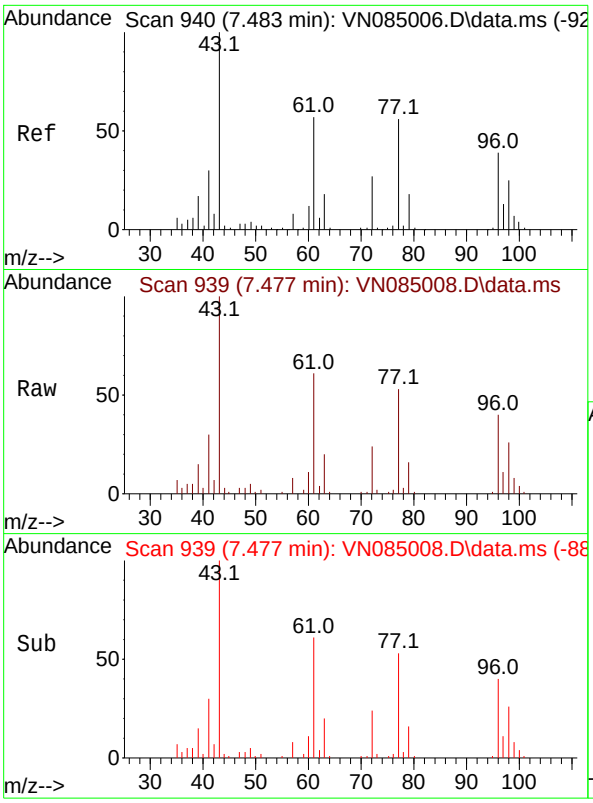


#24
1,1-Dichloroethane
Concen: 9.588 ug/l
RT: 6.559 min Scan# 783
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 63 Resp: 33350

Ion	Ratio	Lower	Upper
63	100		
98	10.7	3.3	9.8#
100	4.7	2.2	6.6



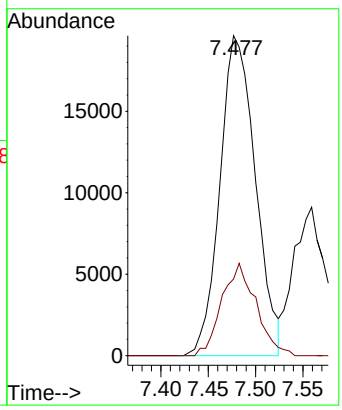


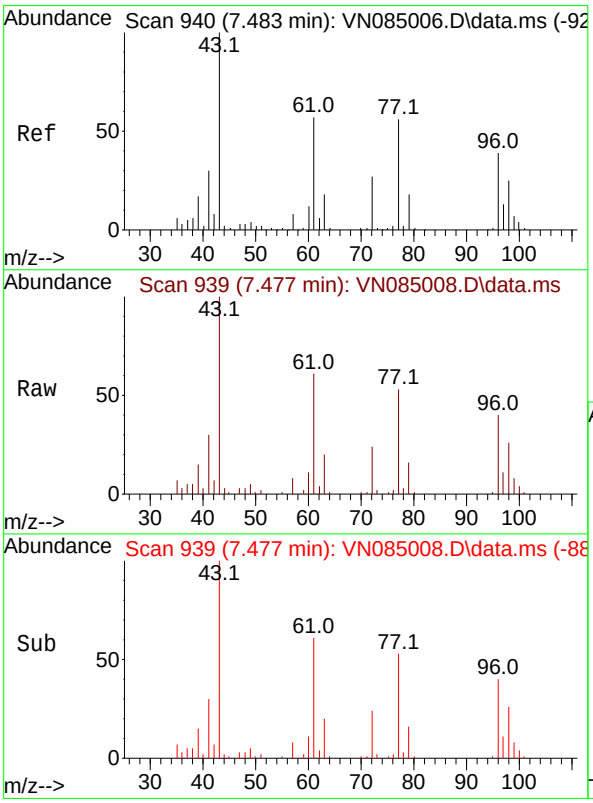
#25
2-Butanone
Concen: 46.790 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 51223

Ion	Ratio	Lower	Upper
43	100		
72	24.0	21.4	32.0

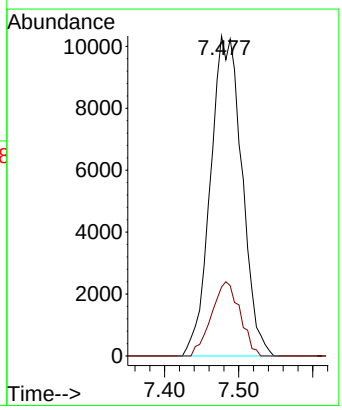


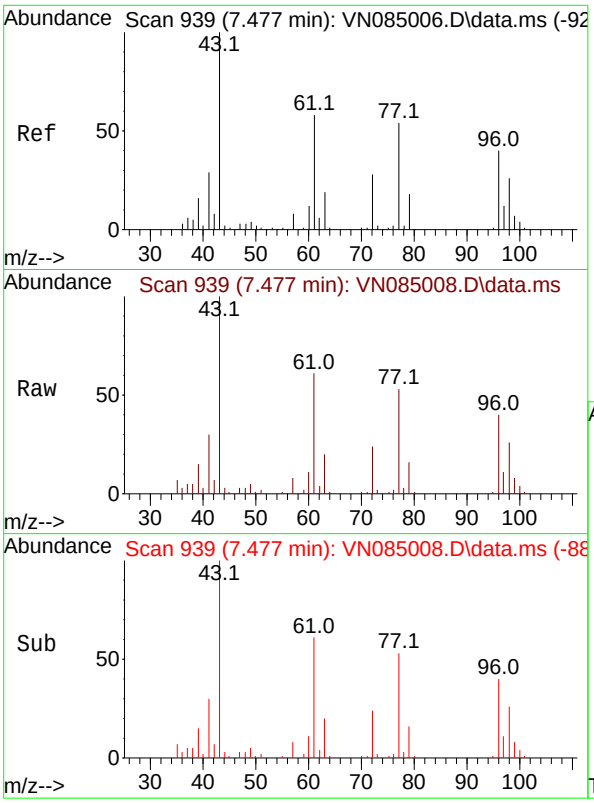


#26
2,2-Dichloropropane
Concen: 9.388 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 77 Resp: 30494

Ion	Ratio	Lower	Upper
77	100		
97	21.0	10.9	32.7



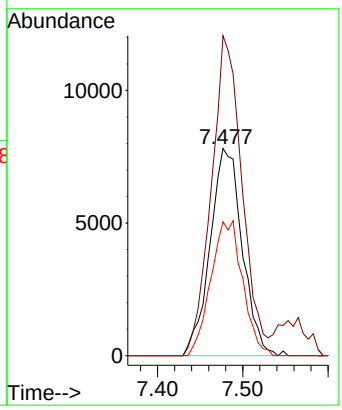


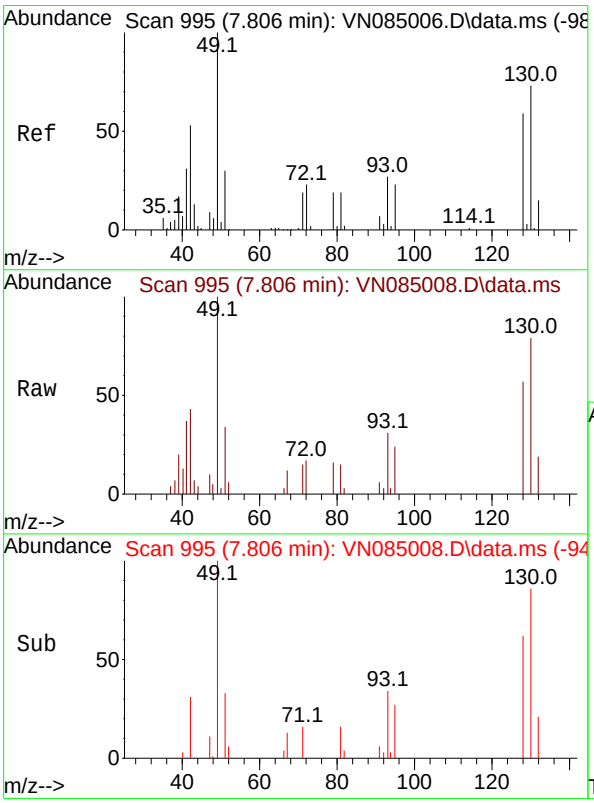
#27
cis-1,2-Dichloroethene
Concen: 9.418 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 20469

Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	291.6
98	64.5	0.0	129.8

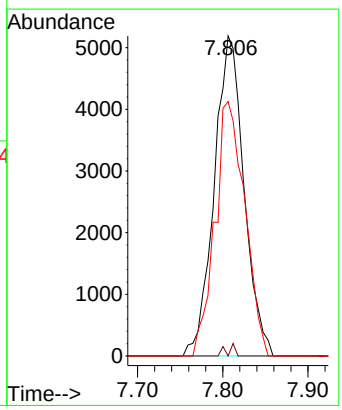


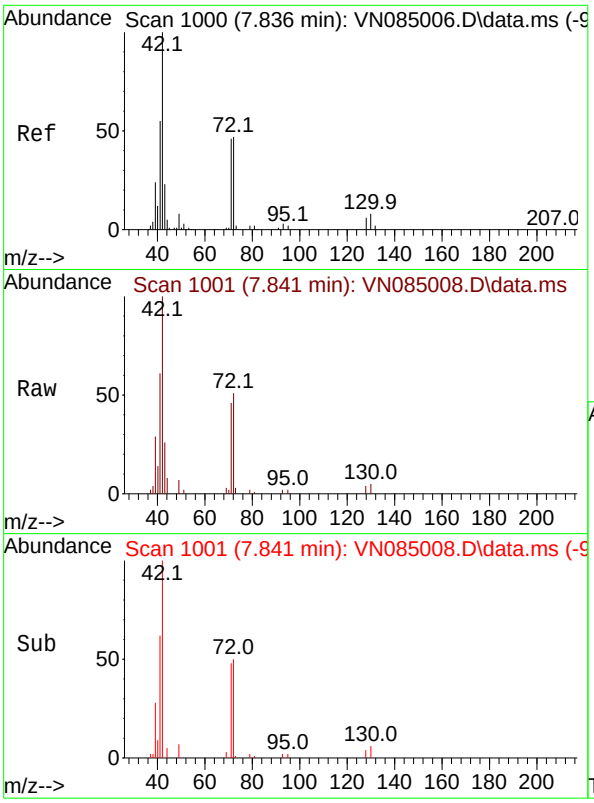


#28
Bromochloromethane
Concen: 9.591 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 49 Resp: 12594

Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	4.0
130	79.8	60.6	90.8



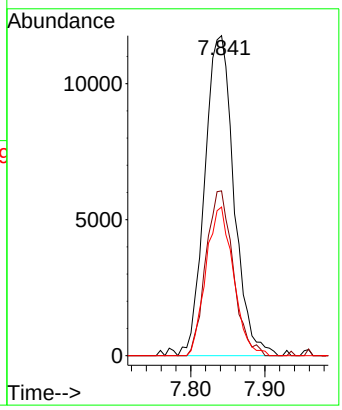


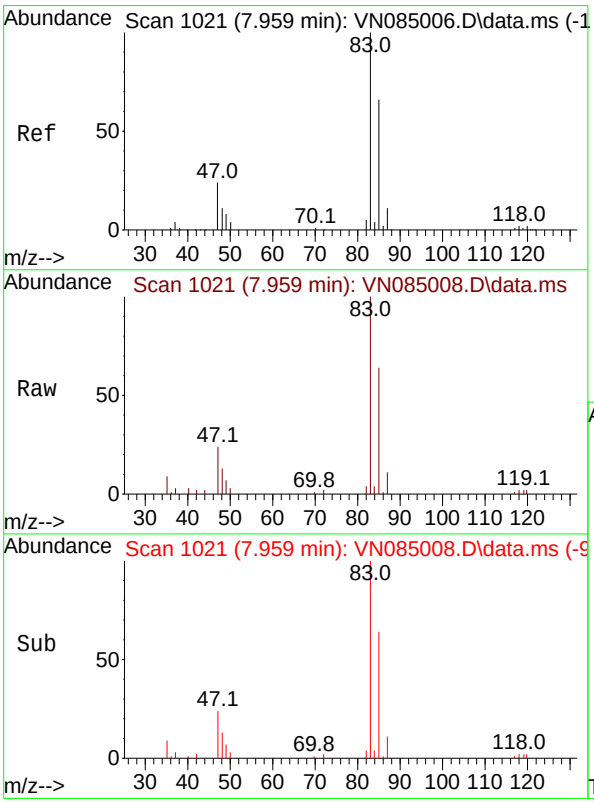
#29
Tetrahydrofuran
Concen: 47.294 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 42 Resp: 32197

Ion	Ratio	Lower	Upper
42	100		
72	47.9	37.0	55.4
71	43.8	35.0	52.4

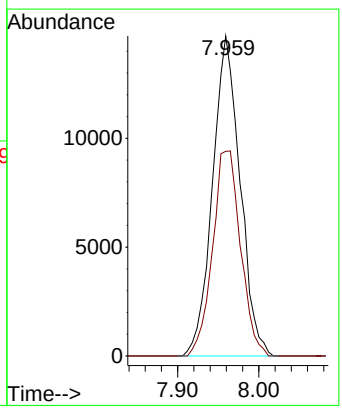


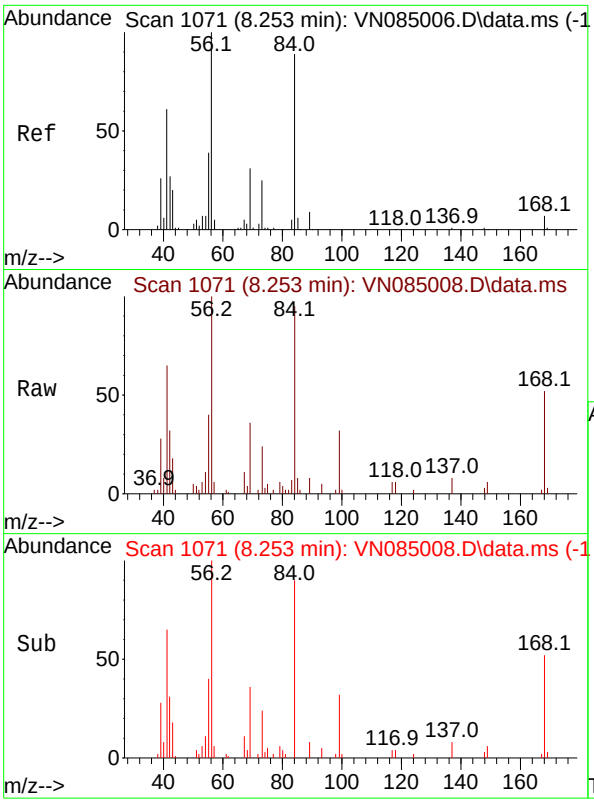


#30
Chloroform
Concen: 9.365 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 83 Resp: 34651

Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.6	78.8



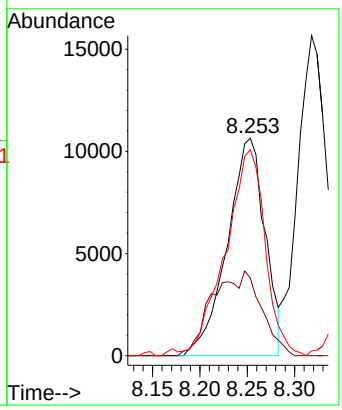


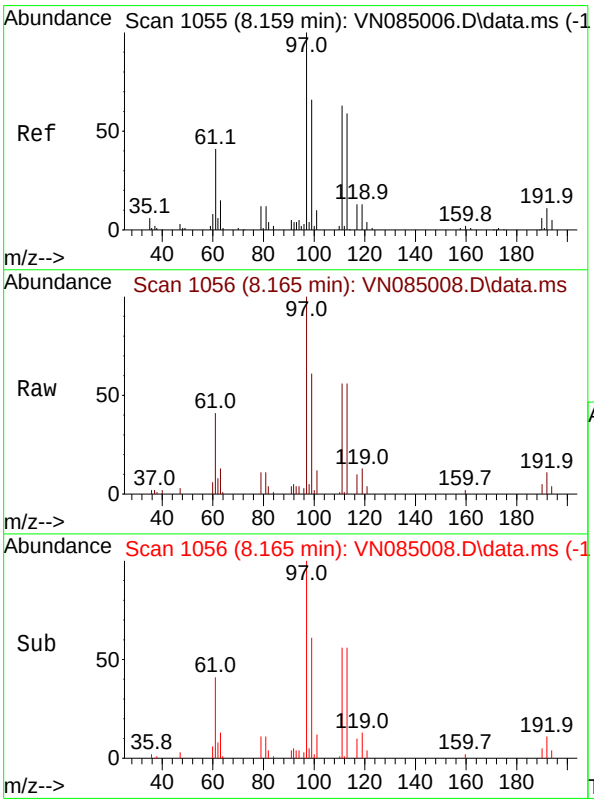
#31
Cyclohexane
Concen: 9.641 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 29526

Ion	Ratio	Lower	Upper
56	100		
69	35.7	24.6	36.8
84	92.9	71.4	107.2

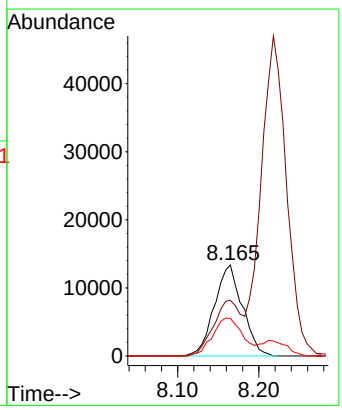


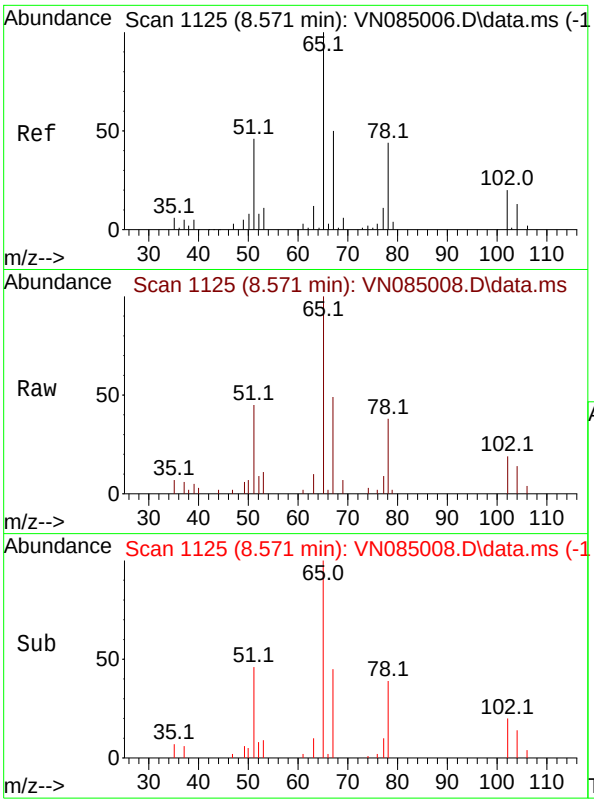


#32
1,1,1-Trichloroethane
Concen: 9.587 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 97 Resp: 32054

Ion	Ratio	Lower	Upper
97	100		
99	61.9	51.0	76.4
61	44.6	36.2	54.2



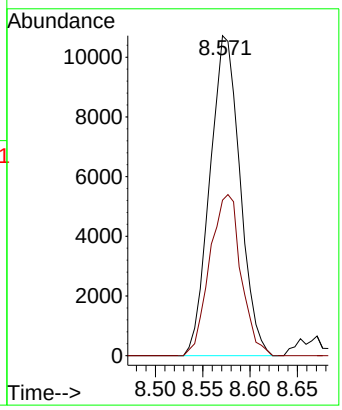


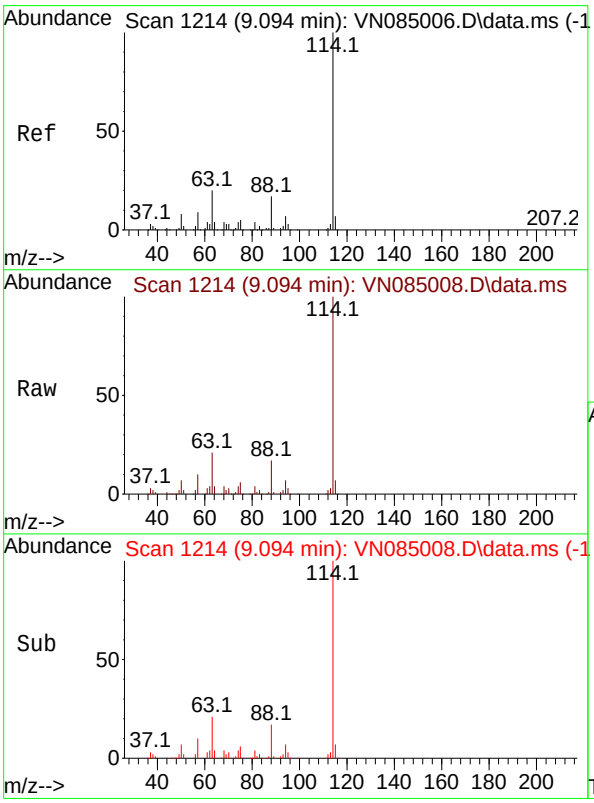
#33
1,2-Dichloroethane-d4
Concen: 10.323 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 65 Resp: 23734

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	105.0

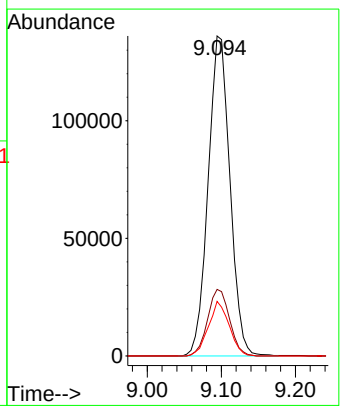


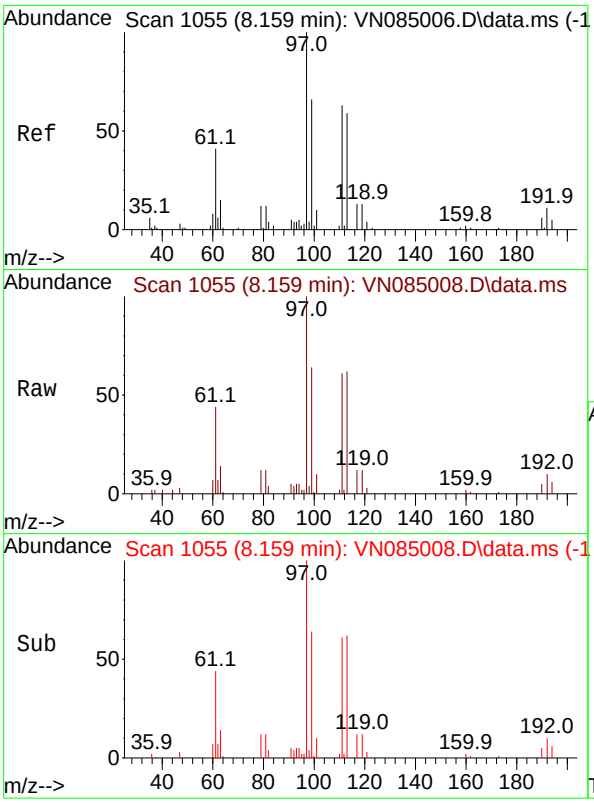


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:114 Resp: 278264

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	41.0
88	17.1	0.0	34.8



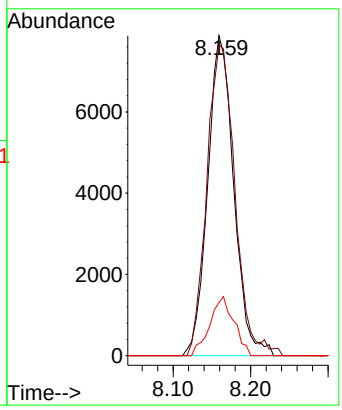


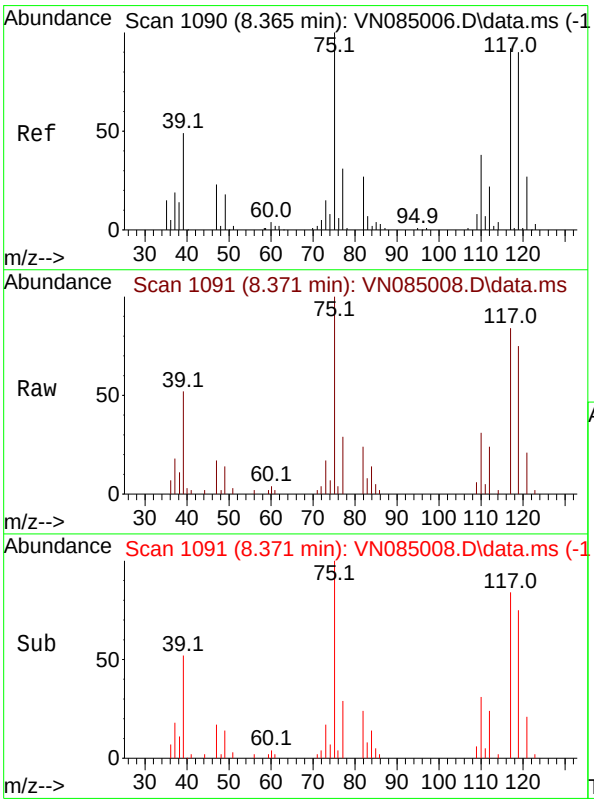
#35
Dibromofluoromethane
Concen: 9.801 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:113 Resp: 18392

Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.0	123.0
192	17.1	14.8	22.2

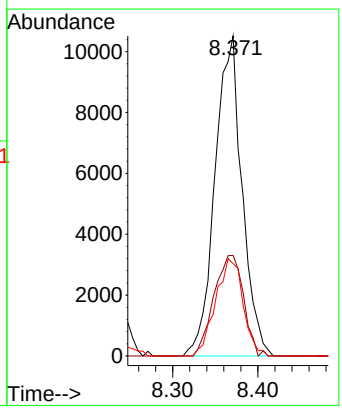


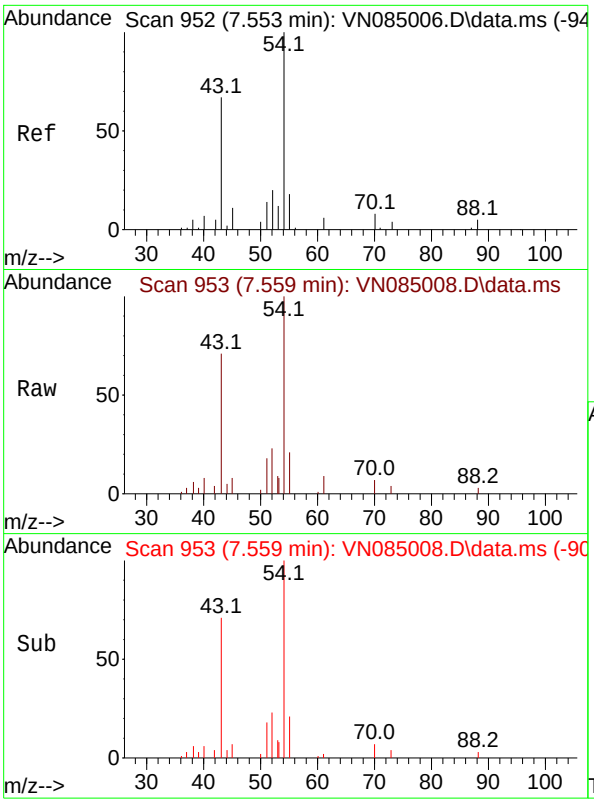


#36
1,1-Dichloropropene
Concen: 9.130 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 75 Resp: 23205

Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.2	51.6
77	30.9	24.2	36.4



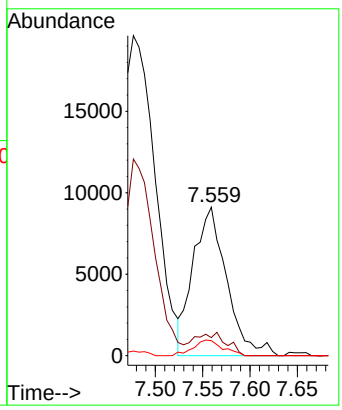


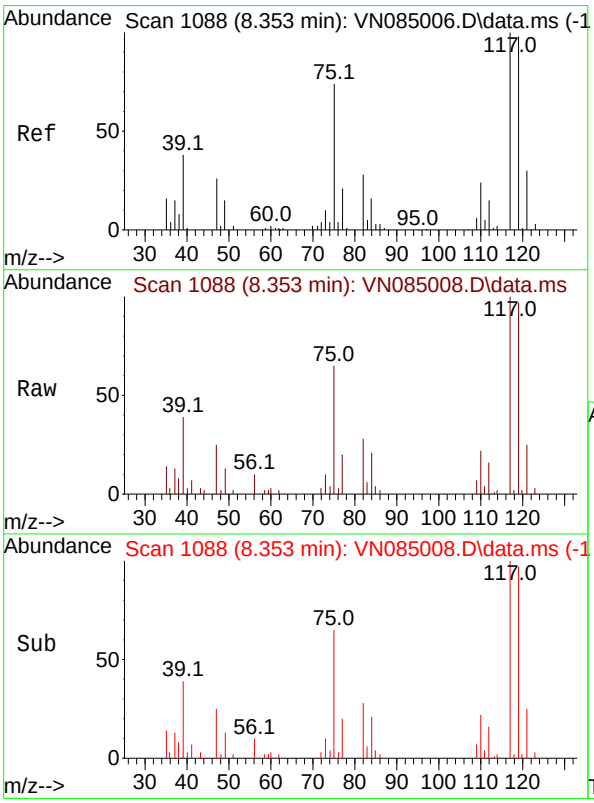
#37
Ethyl Acetate
Concen: 9.732 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 22487

Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.7	17.5
70	9.2	9.3	13.9#

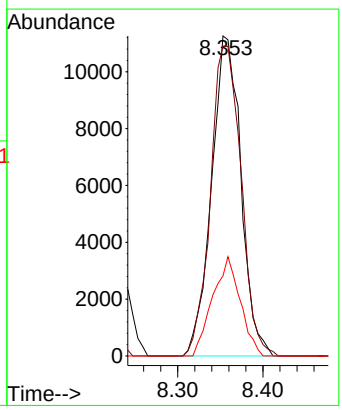


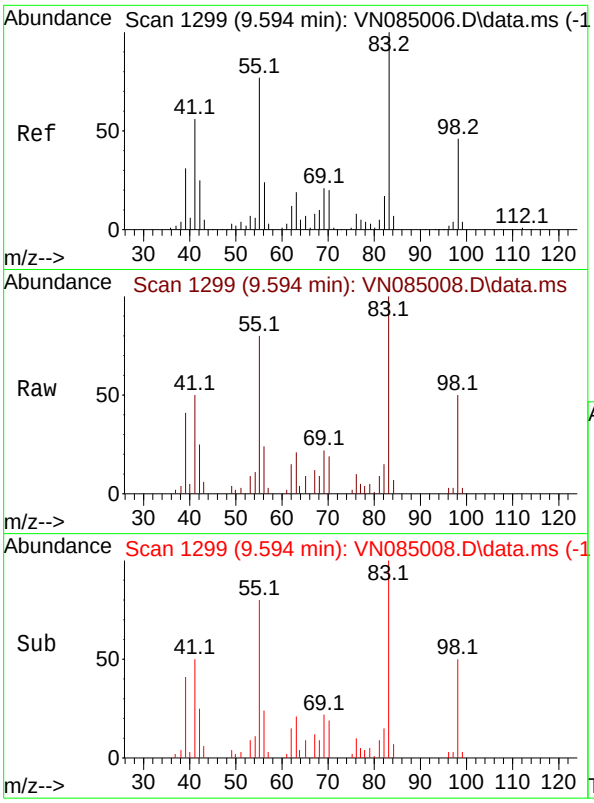


#38
Carbon Tetrachloride
Concen: 9.186 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:117 Resp: 26952

Ion	Ratio	Lower	Upper
117	100		
119	96.8	78.6	117.8
121	25.0	24.2	36.2



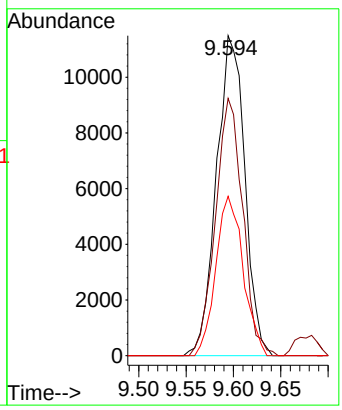


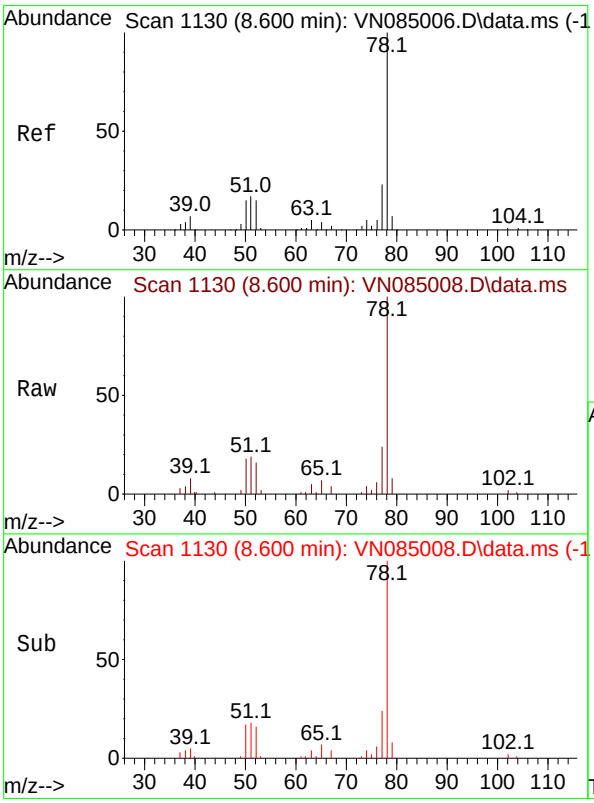
#39
Methylcyclohexane
Concen: 9.058 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 23924

Ion	Ratio	Lower	Upper
83	100		
55	80.4	61.8	92.6
98	49.8	37.0	55.6

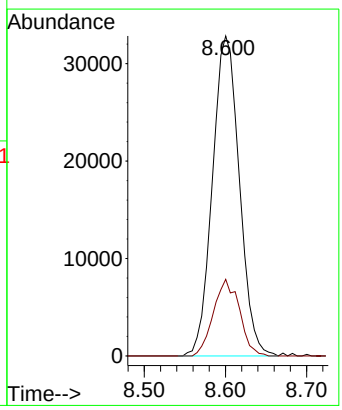


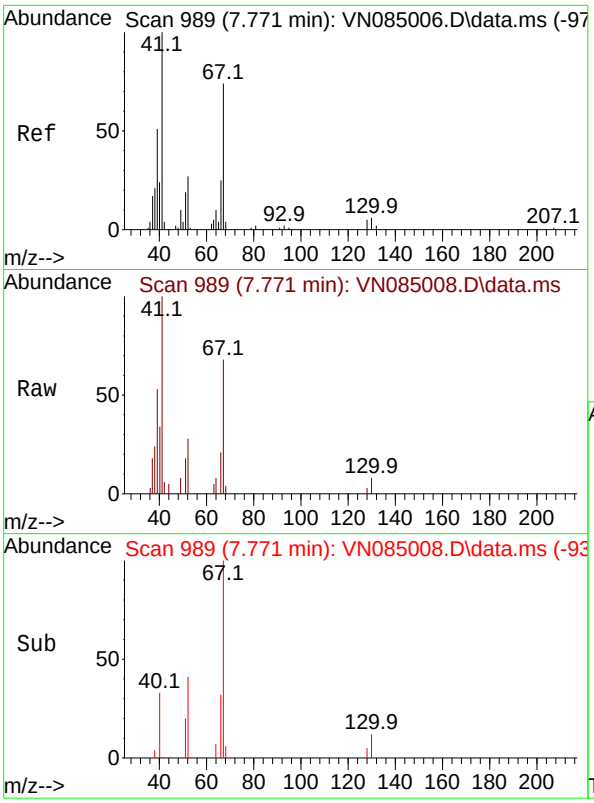


#40
Benzene
Concen: 9.404 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 78 Resp: 75597

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.5	27.7



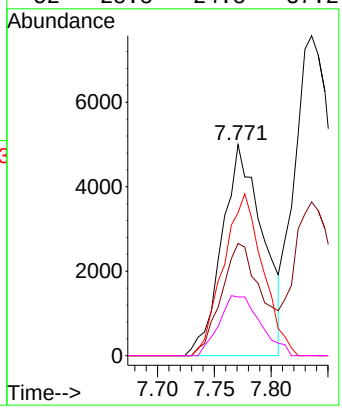


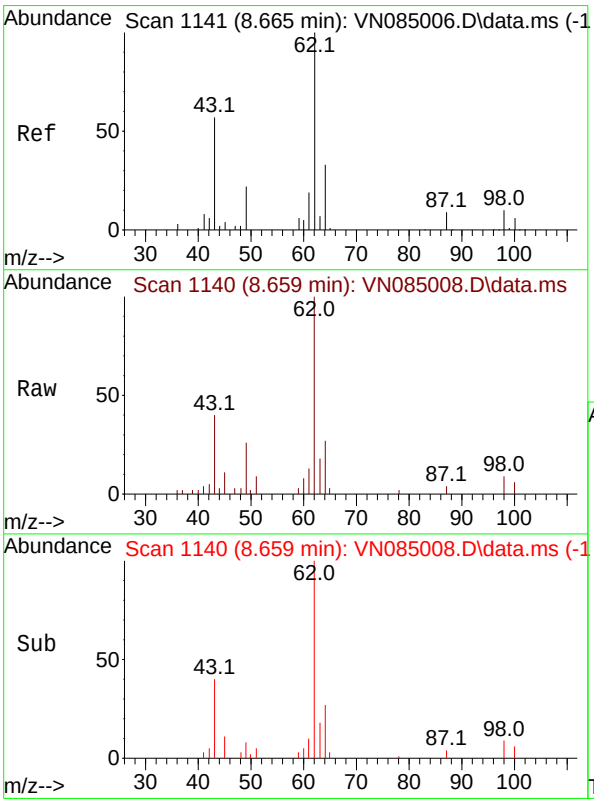
#41
Methacrylonitrile
Concen: 9.705 ug/l
RT: 7.771 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 41 Resp: 12417

Ion	Ratio	Lower	Upper
41	100		
39	53.3	42.6	63.8
67	74.5	59.9	89.9
52	28.8	24.8	37.2

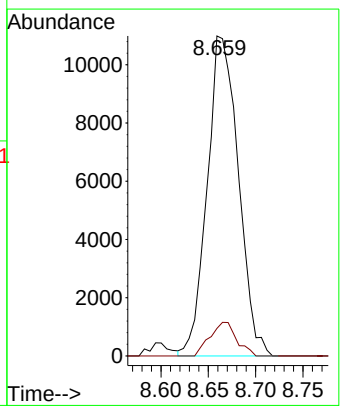


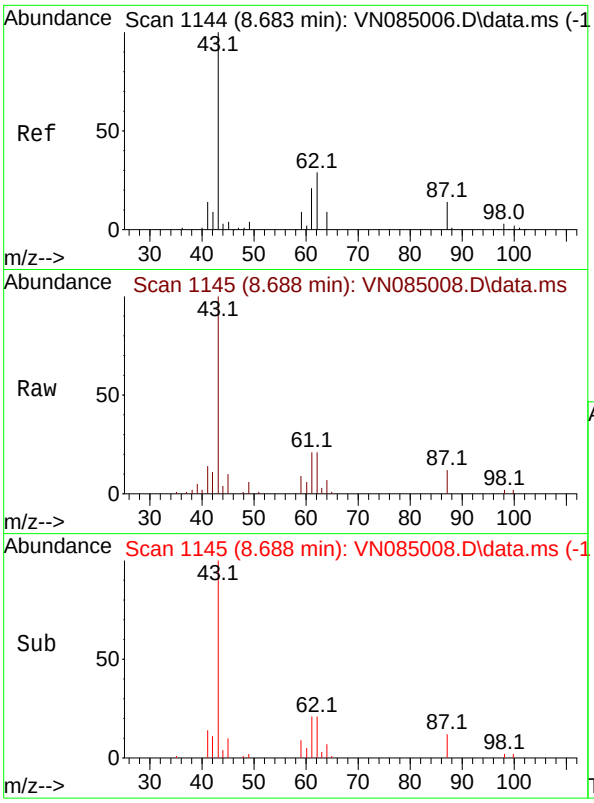


#42
1,2-Dichloroethane
Concen: 9.152 ug/l
RT: 8.659 min Scan# 1140
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 62 Resp: 25169

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2



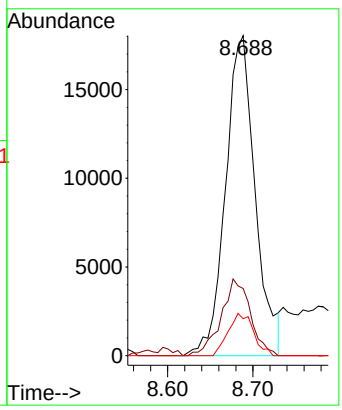


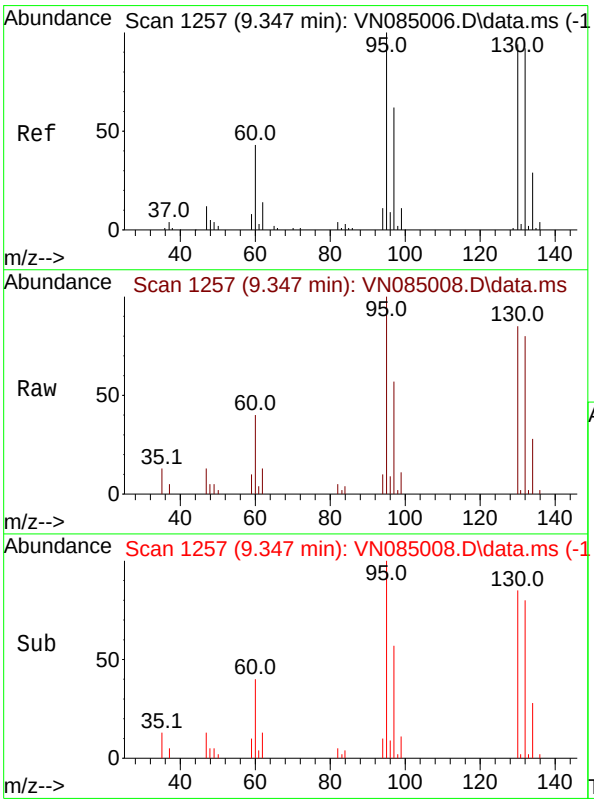
#43
Isopropyl Acetate
Concen: 9.108 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 43717

Ion	Ratio	Lower	Upper
43	100		
61	23.5	20.6	30.8
87	11.2	11.0	16.4

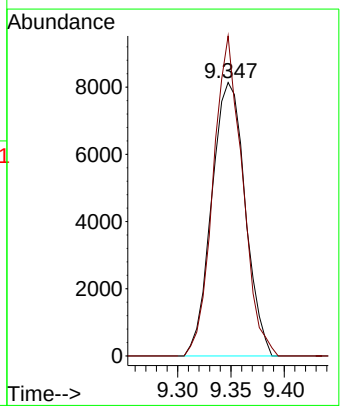


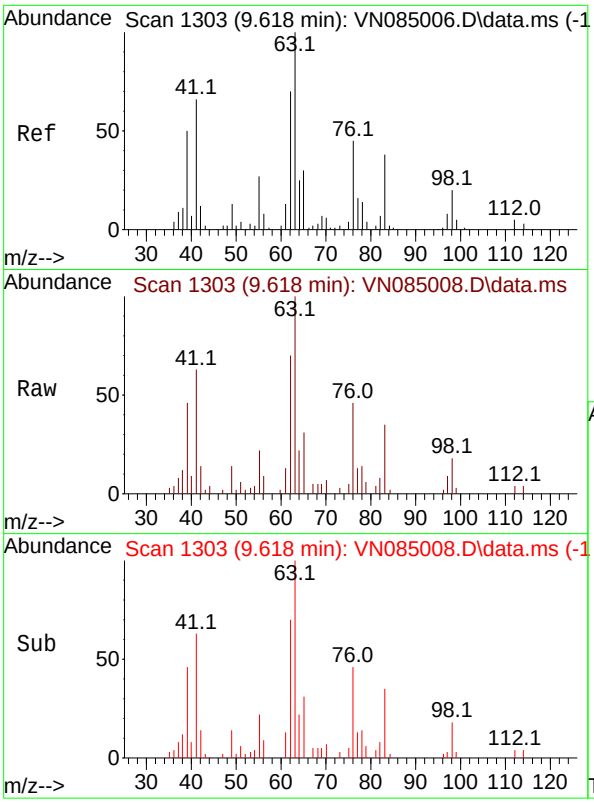


#44
Trichloroethene
Concen: 9.547 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:130 Resp: 17835

Ion	Ratio	Lower	Upper
130	100		
95	117.0	0.0	213.4



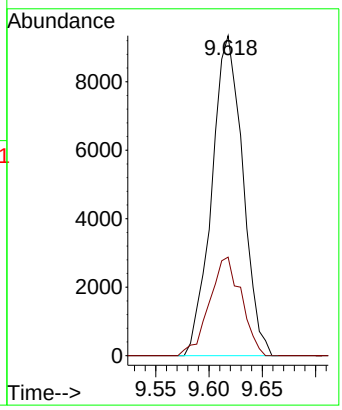


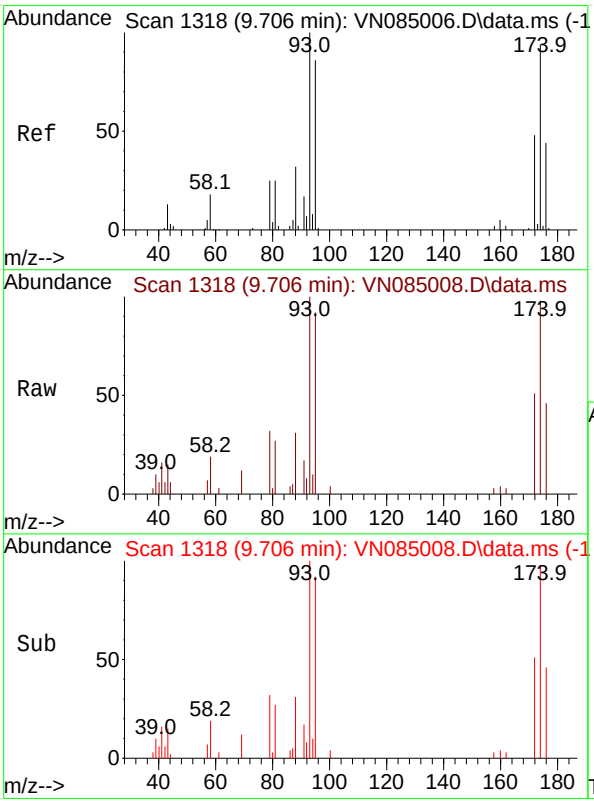
#45
1,2-Dichloropropane
Concen: 9.546 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 63 Resp: 18902

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.0	36.0

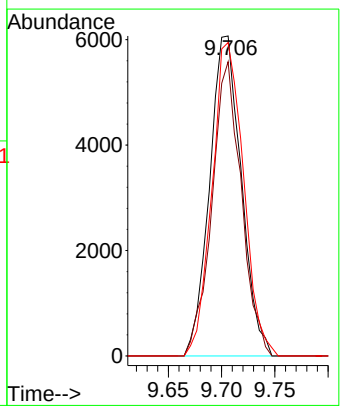


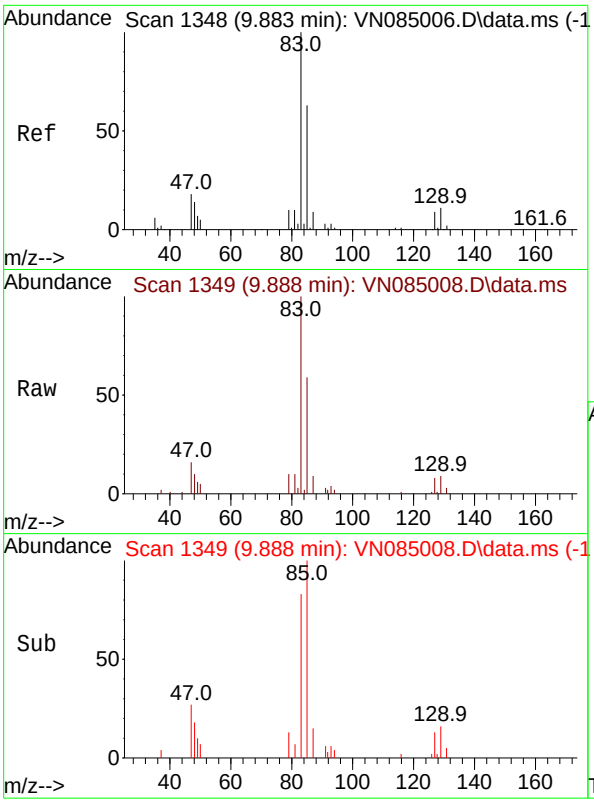


#46
Dibromomethane
Concen: 9.114 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 93 Resp: 12540

Ion	Ratio	Lower	Upper
93	100		
95	85.5	66.2	99.4
174	97.5	74.9	112.3



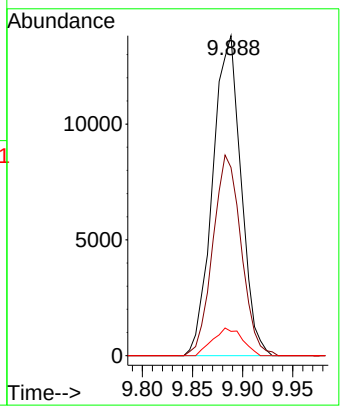


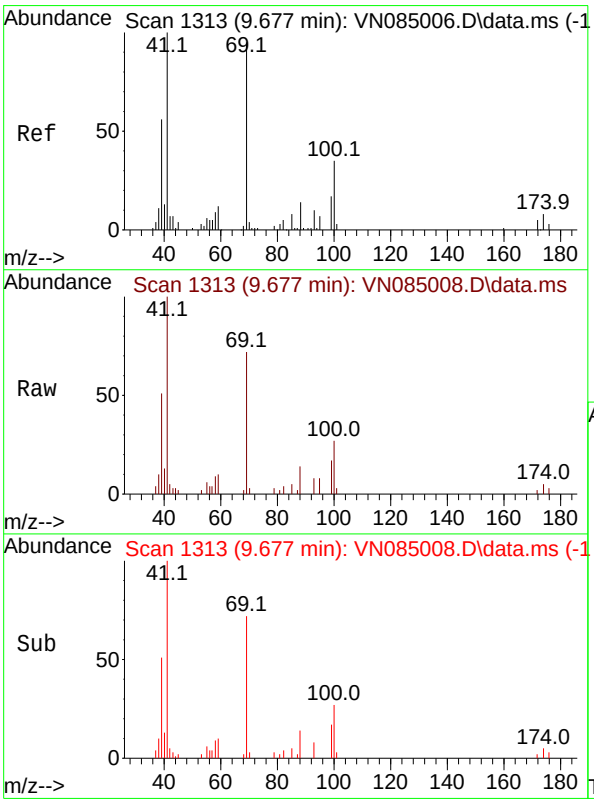
#47
Bromodichloromethane
Concen: 9.306 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 27136

Ion	Ratio	Lower	Upper
83	100		
85	58.8	50.5	75.7
127	7.6	7.1	10.7

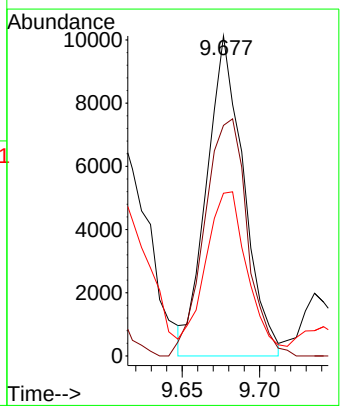


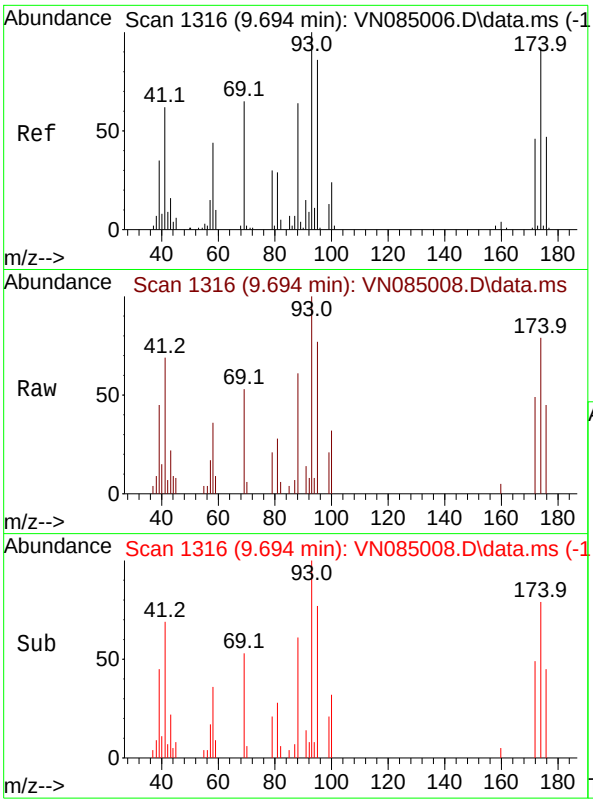


#48
Methyl methacrylate
Concen: 9.402 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 41 Resp: 16793

Ion	Ratio	Lower	Upper
41	100		
69	85.7	73.2	109.8
39	59.4	46.2	69.4



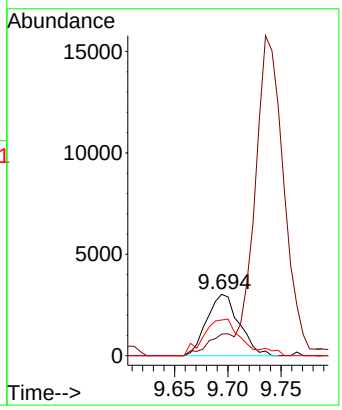


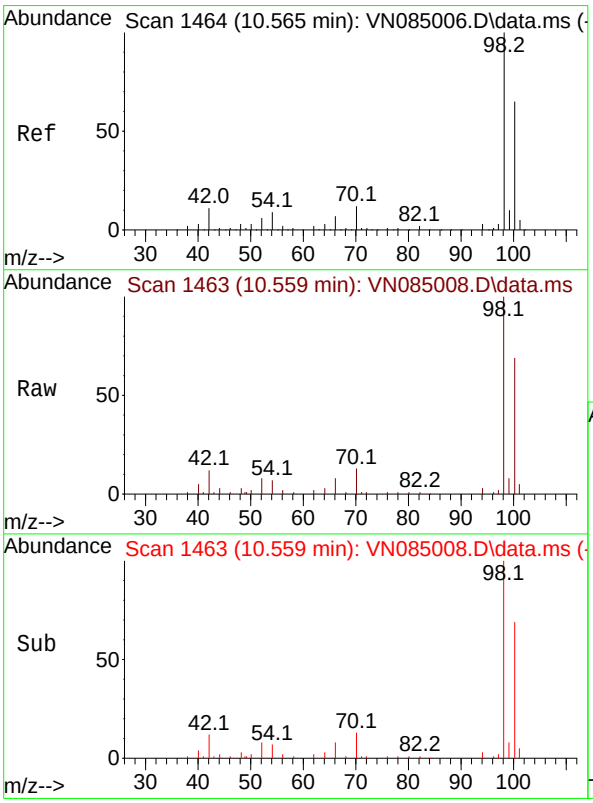
#49
1,4-Dioxane
Concen: 205.527 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 88 Resp: 6366

Ion	Ratio	Lower	Upper
88	100		
43	0.0	16.7	25.1#
58	70.8	56.5	84.7

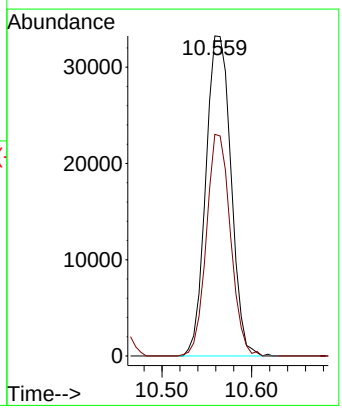


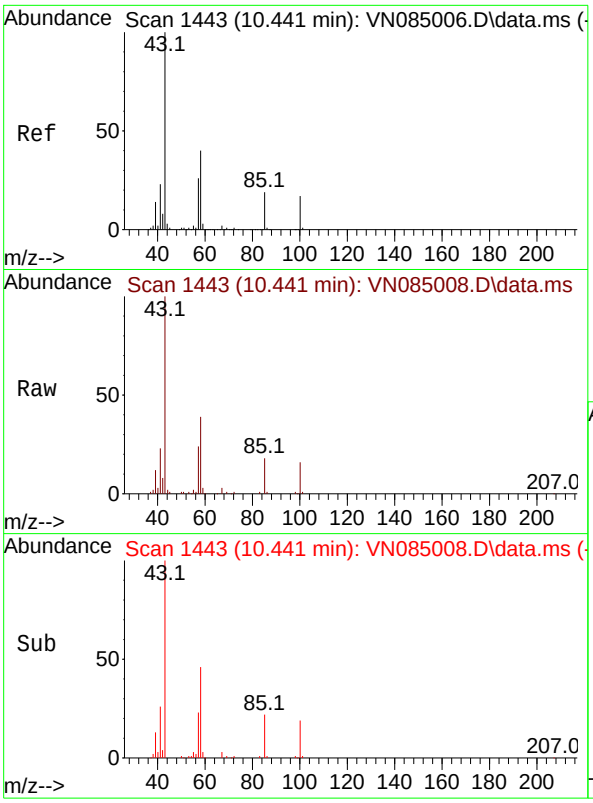


#50
Toluene-d8
Concen: 9.614 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 98 Resp: 64656

Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.5	78.7



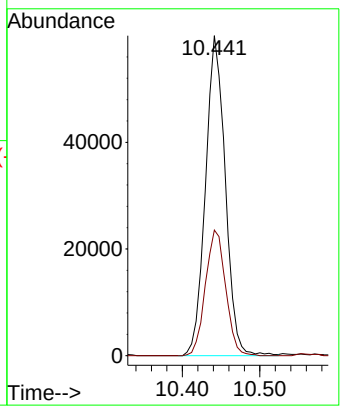


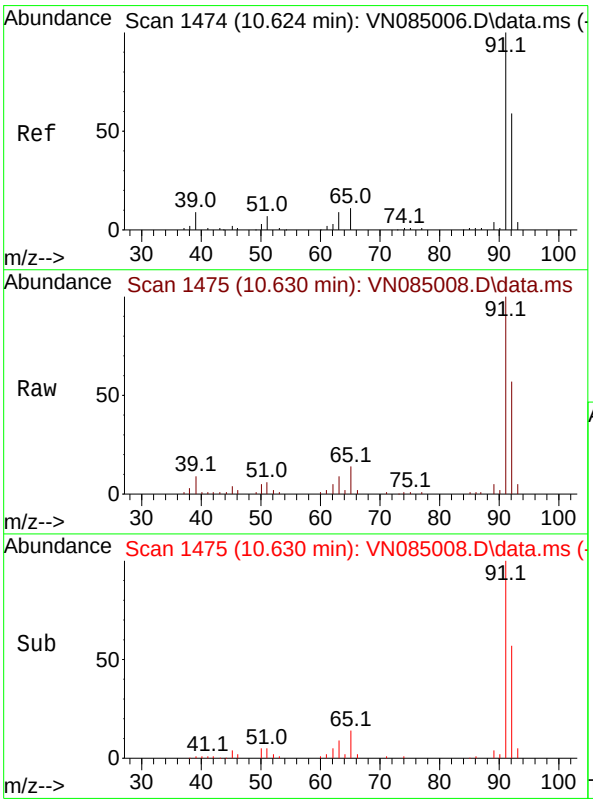
#51
4-Methyl-2-Pentanone
Concen: 48.544 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 106422

Ion	Ratio	Lower	Upper
43	100		
58	40.1	32.1	48.1

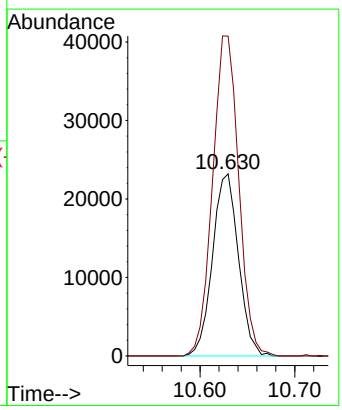


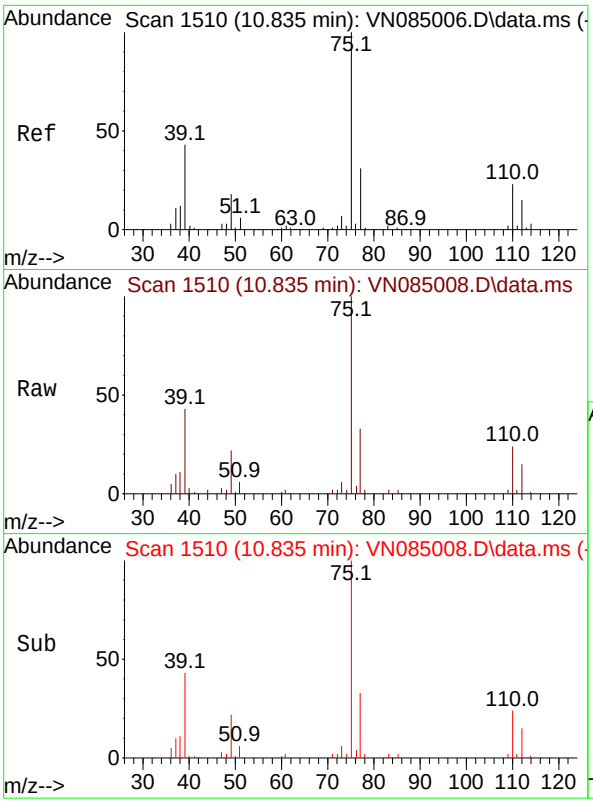


#52
Toluene
Concen: 9.261 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 92 Resp: 44072

Ion	Ratio	Lower	Upper
92	100		
91	177.5	136.7	205.1



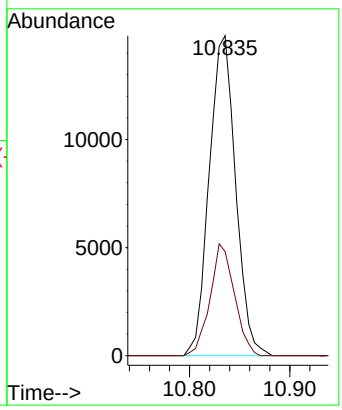


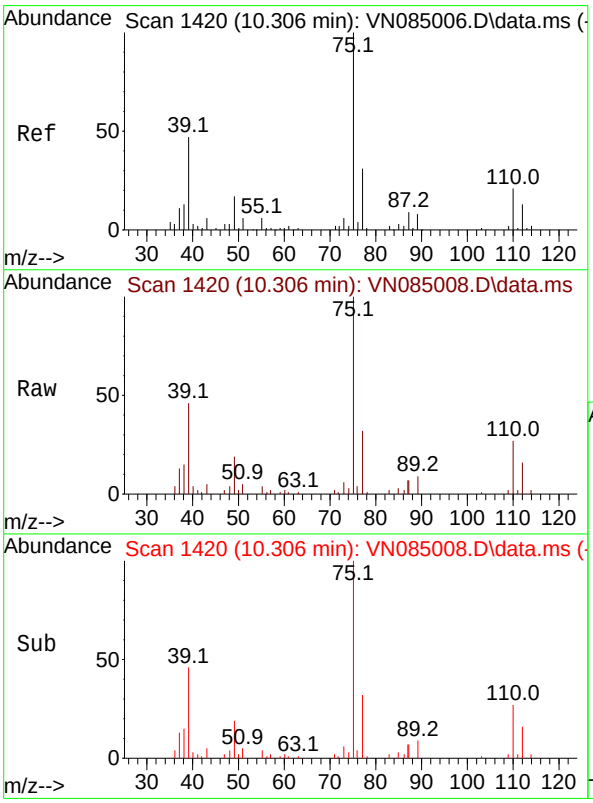
#53
t-1,3-Dichloropropene
Concen: 9.249 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 27040

Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.0	37.4

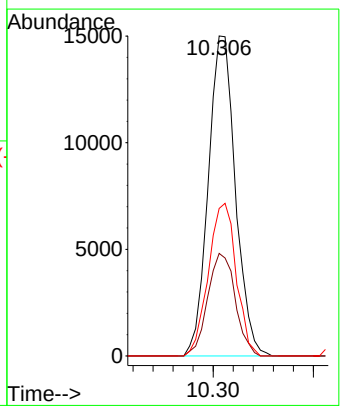


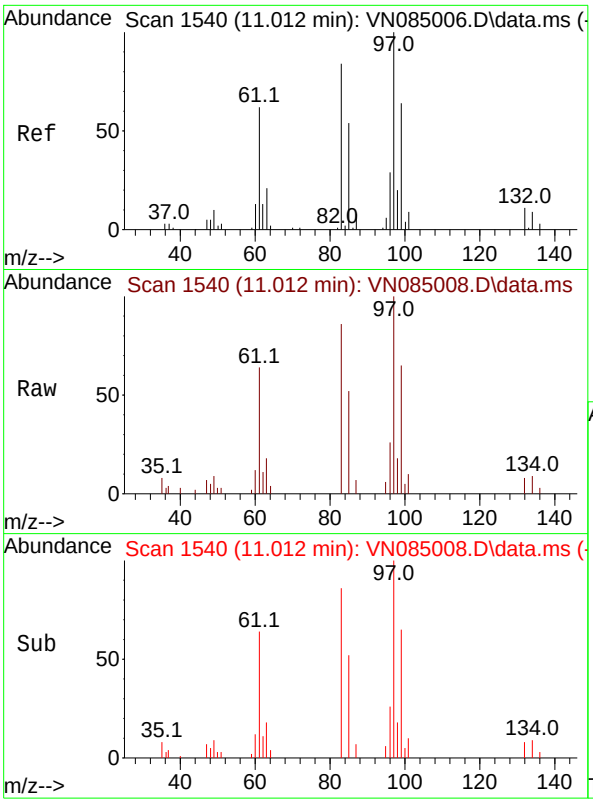


#54
cis-1,3-Dichloropropene
Concen: 9.087 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 75 Resp: 28183

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.0	37.4
39	46.1	37.6	56.4



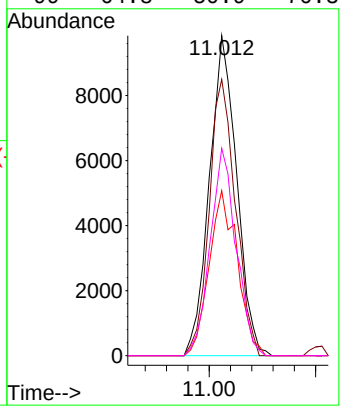


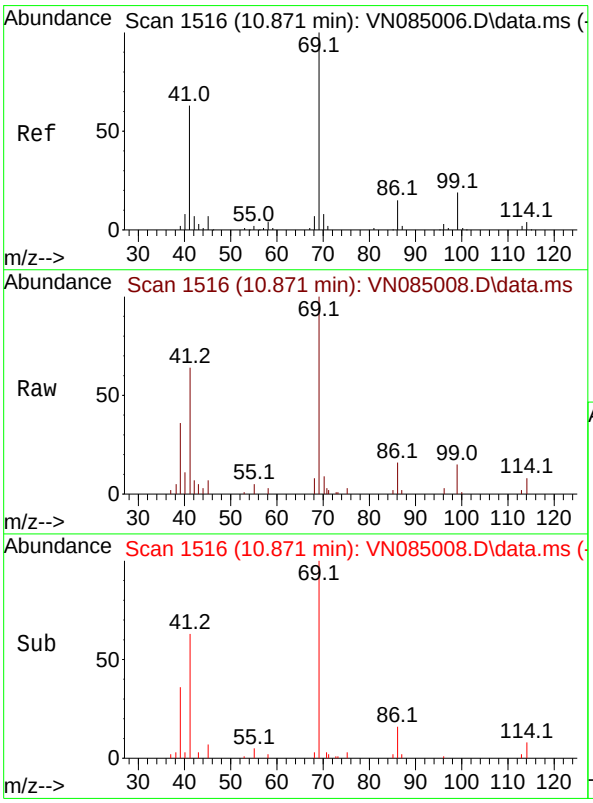
#55
1,1,2-Trichloroethane
Concen: 9.871 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 97 Resp: 17498

Ion	Ratio	Lower	Upper
97	100		
83	86.4	67.4	101.2
85	51.5	43.1	64.7
99	64.8	50.9	76.3

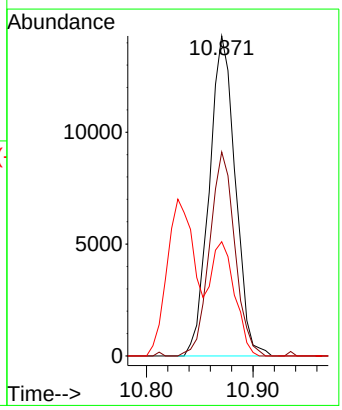


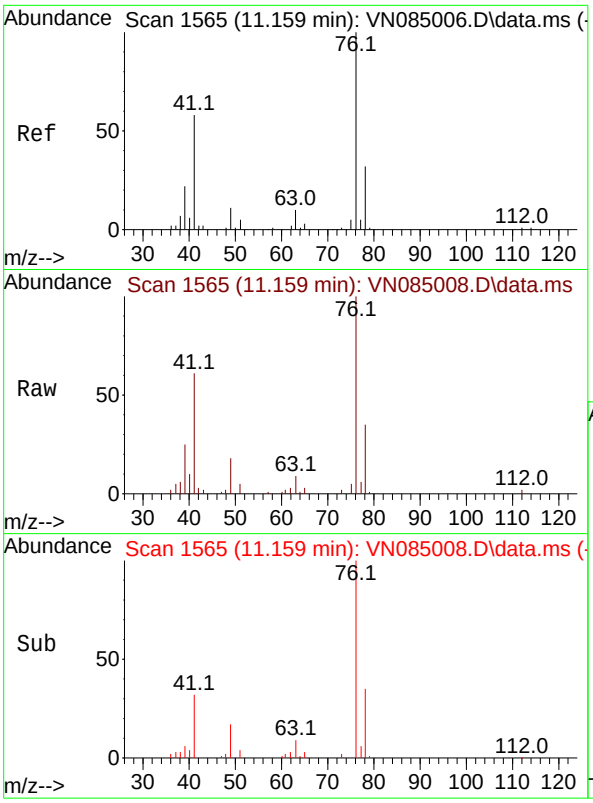


#56
Ethyl methacrylate
Concen: 9.385 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 69 Resp: 24309

Ion	Ratio	Lower	Upper
69	100		
41	61.7	50.0	75.0
39	33.1	27.0	40.6



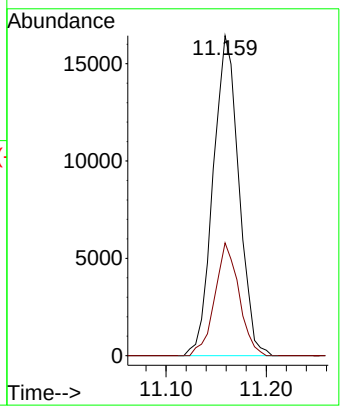


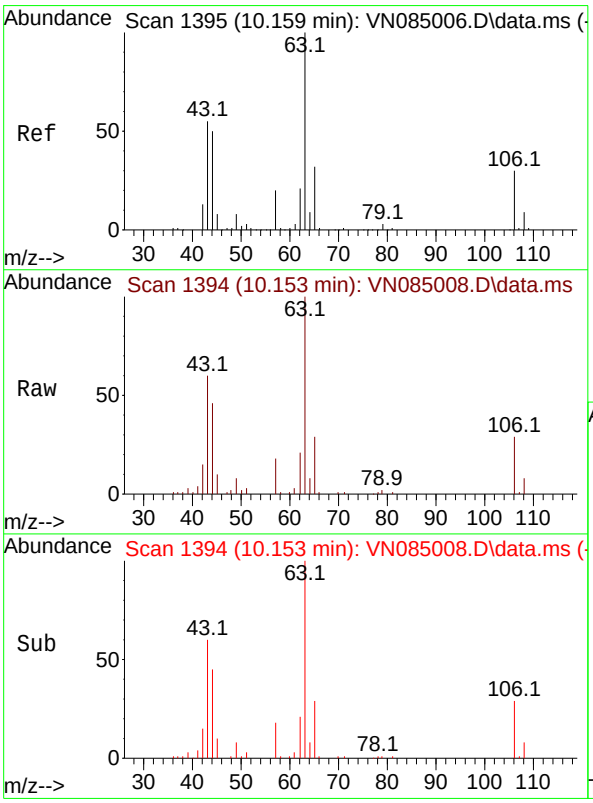
#57
1,3-Dichloropropane
Concen: 9.378 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 29257

Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.1	39.1

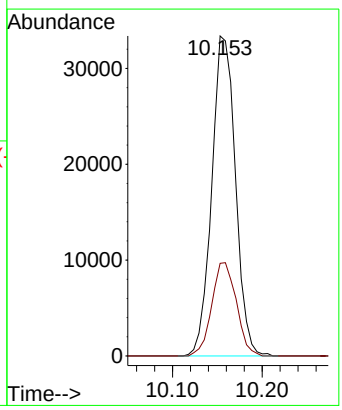


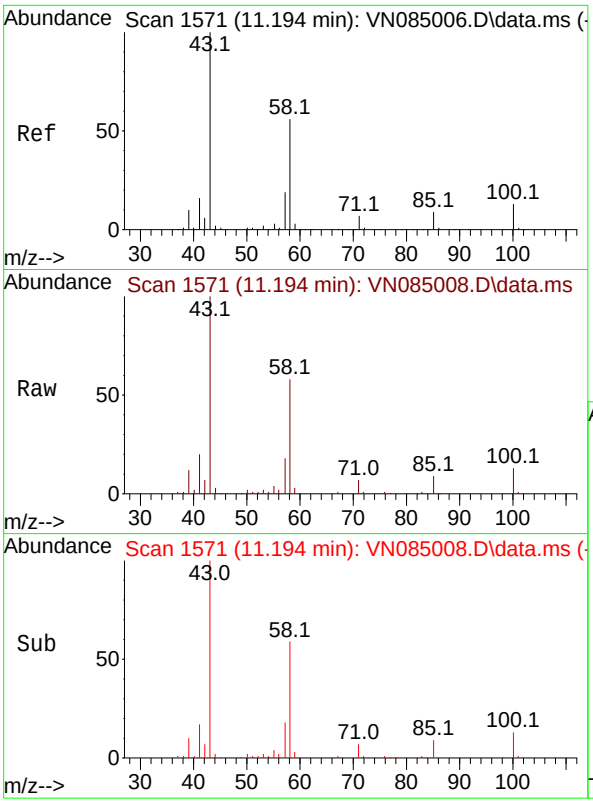


#58
2-Chloroethyl Vinyl ether
Concen: 48.207 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 63 Resp: 61252

Ion	Ratio	Lower	Upper
63	100		
106	30.3	23.0	34.6



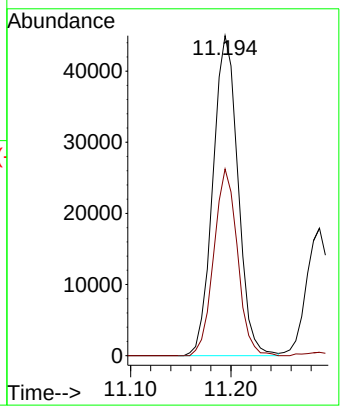


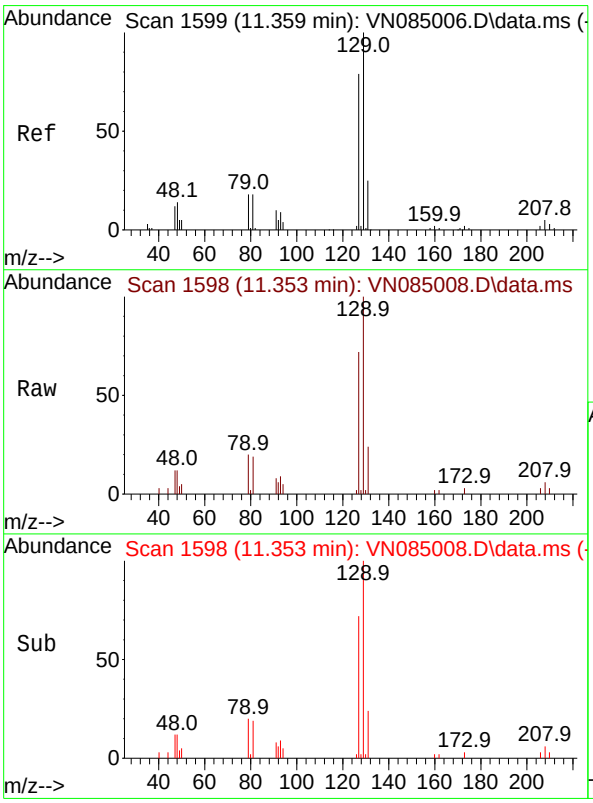
#59
2-Hexanone
Concen: 47.542 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 77951

Ion	Ratio	Lower	Upper
43	100		
58	55.0	28.3	85.0

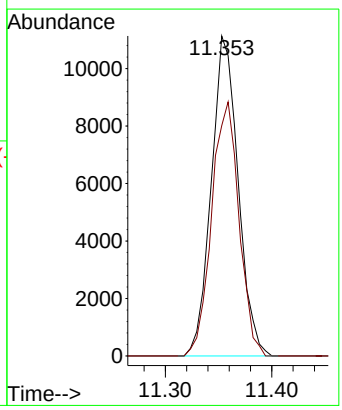


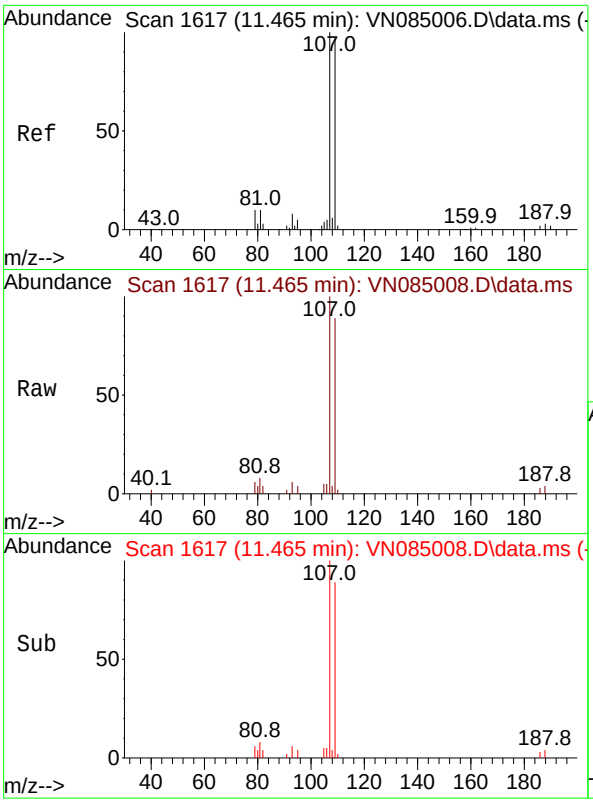


#60
Dibromochloromethane
Concen: 8.991 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:129 Resp: 19478

Ion	Ratio	Lower	Upper
129	100		
127	80.8	39.2	117.6



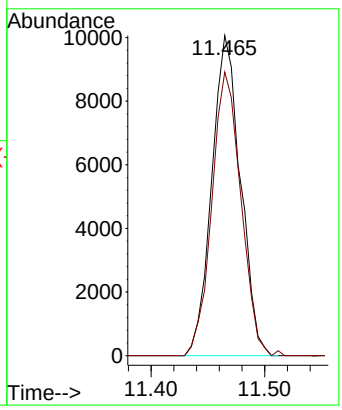


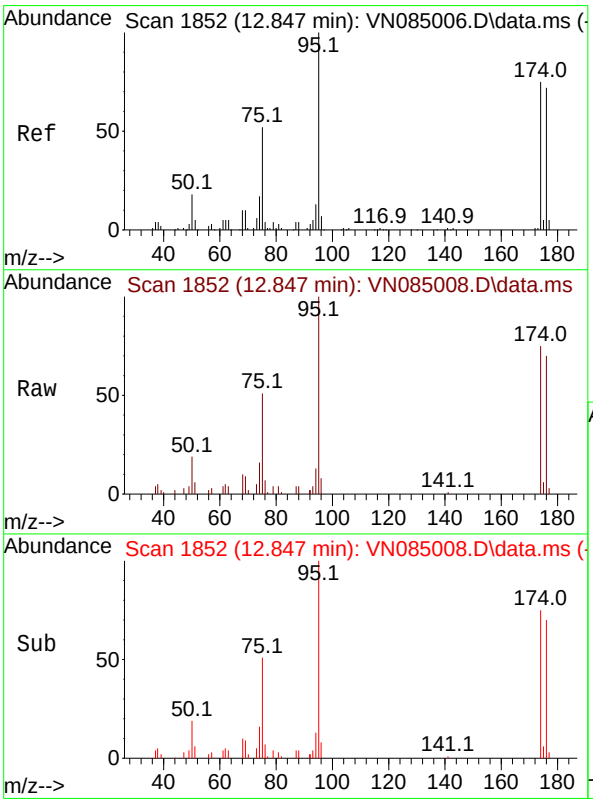
#61
1,2-Dibromoethane
Concen: 9.633 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:107 Resp: 17673

Ion	Ratio	Lower	Upper
107	100		
109	89.8	76.1	114.1

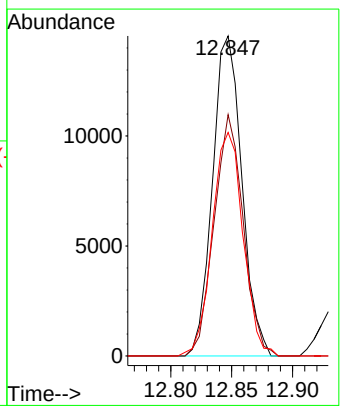


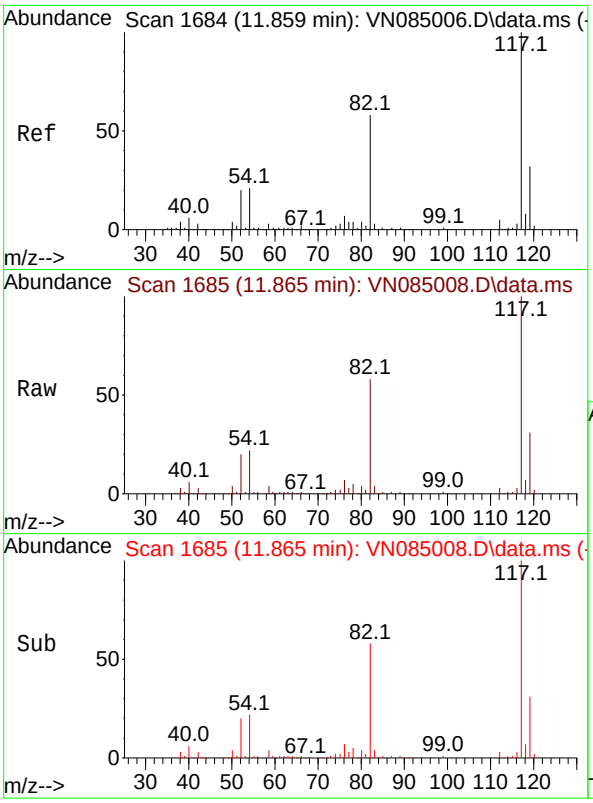


#62
4-Bromofluorobenzene
Concen: 9.691 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 95 Resp: 24371

Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	146.6
176	73.3	0.0	141.8



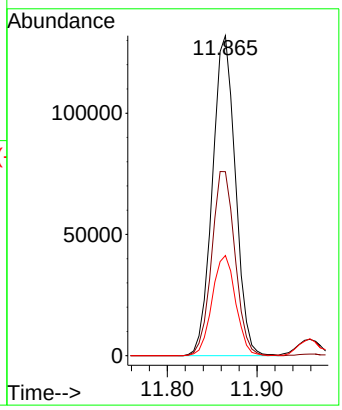


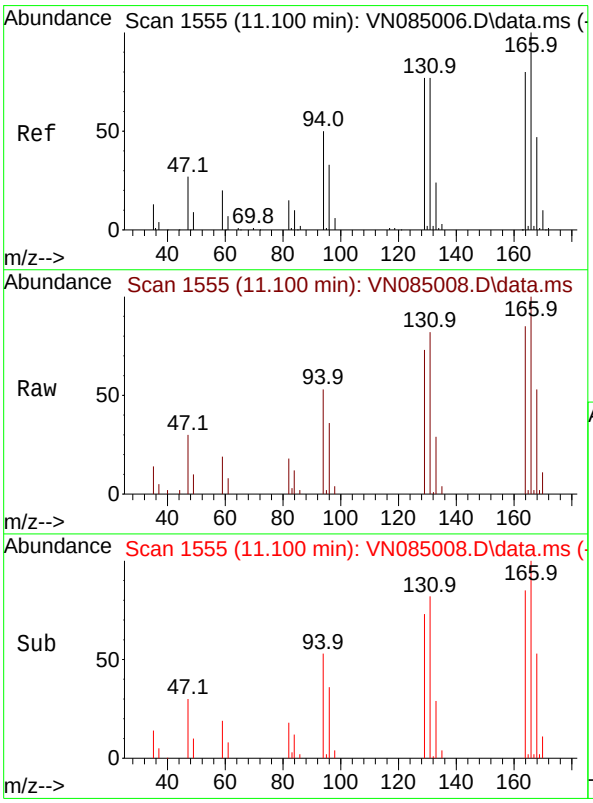
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:117 Resp: 234609

Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.0	69.0
119	31.3	25.6	38.4

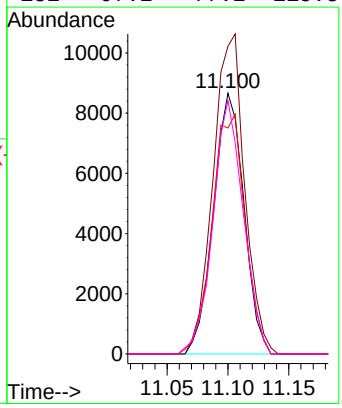


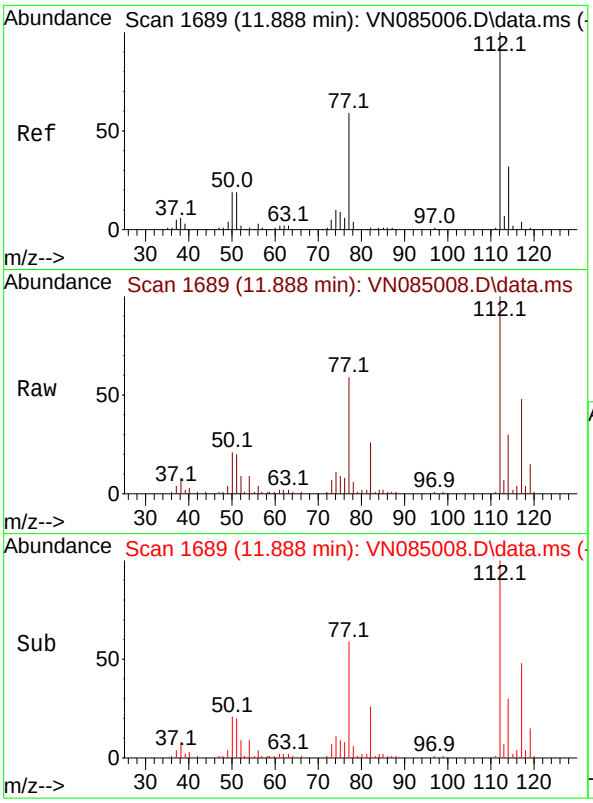


#64
Tetrachloroethene
Concen: 9.547 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:164 Resp: 15092

Ion	Ratio	Lower	Upper
164	100		
166	118.1	100.6	151.0
129	86.6	77.7	116.5
131	97.2	77.2	115.8



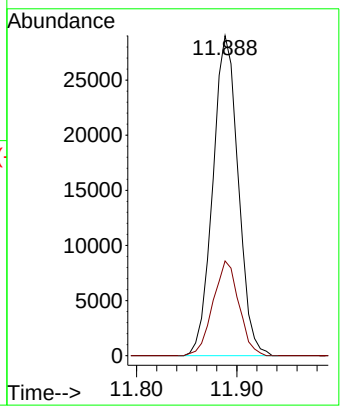


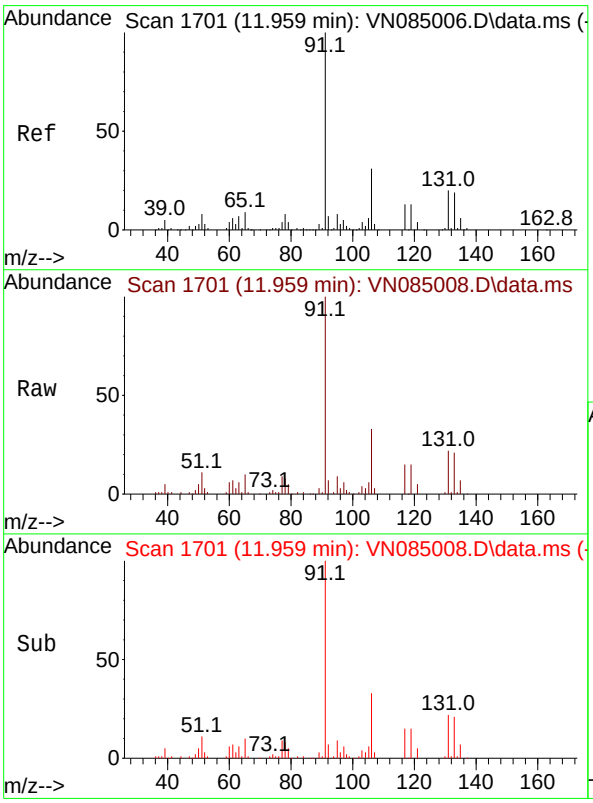
#65
Chlorobenzene
Concen: 9.605 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:112 Resp: 51106

Ion	Ratio	Lower	Upper
112	100		
114	29.6	25.8	38.6

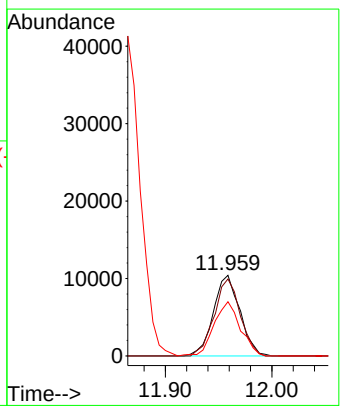


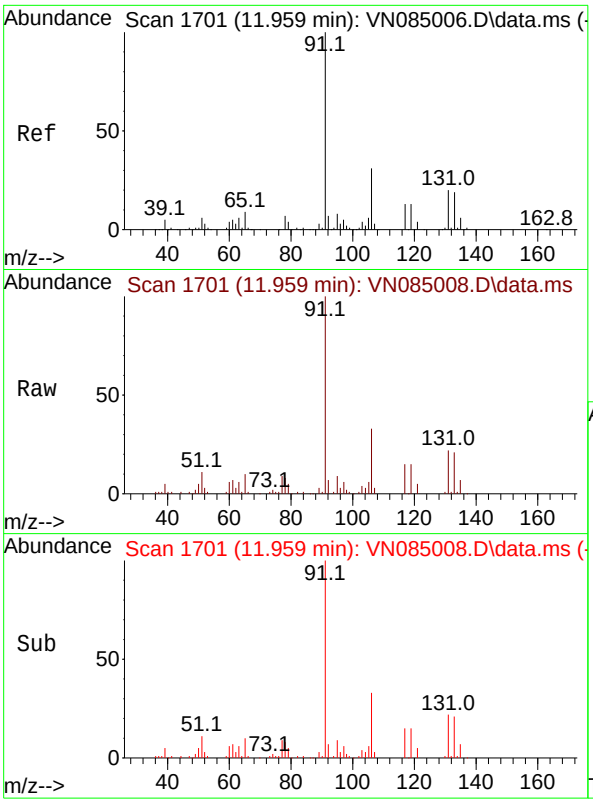


#66
1,1,1,2-Tetrachloroethane
Concen: 9.590 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:131 Resp: 17966

Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.8	143.4
119	66.8	32.1	96.3



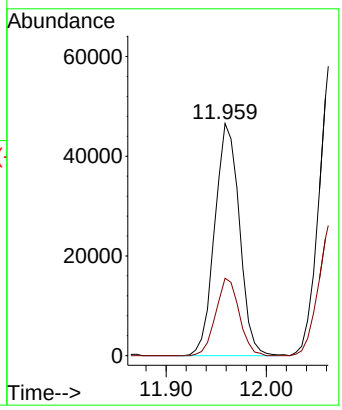


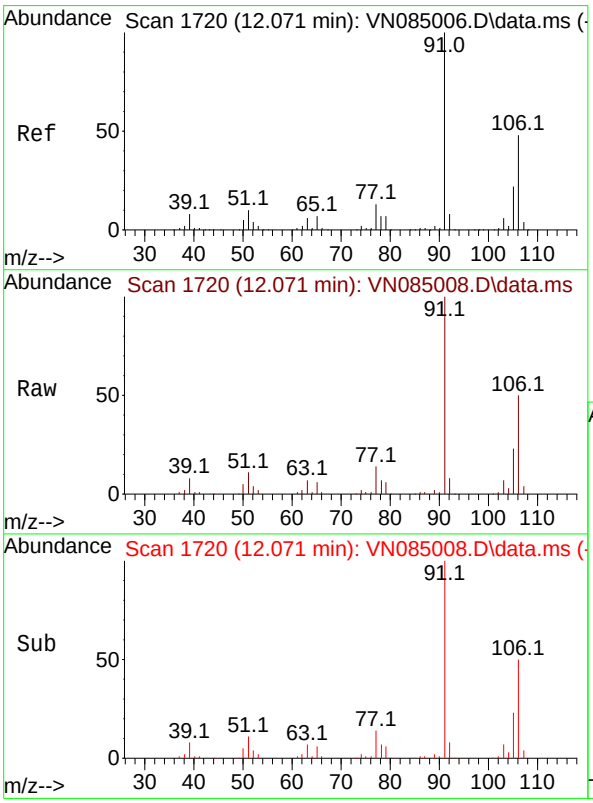
#67
Ethyl Benzene
Concen: 9.229 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 79668

Ion	Ratio	Lower	Upper
91	100		
106	33.4	24.7	37.1

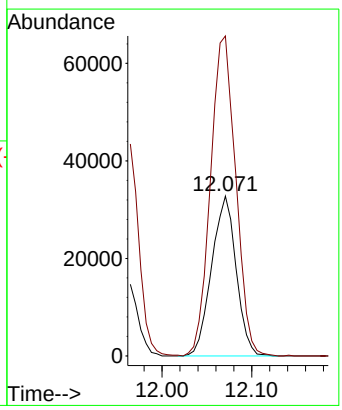


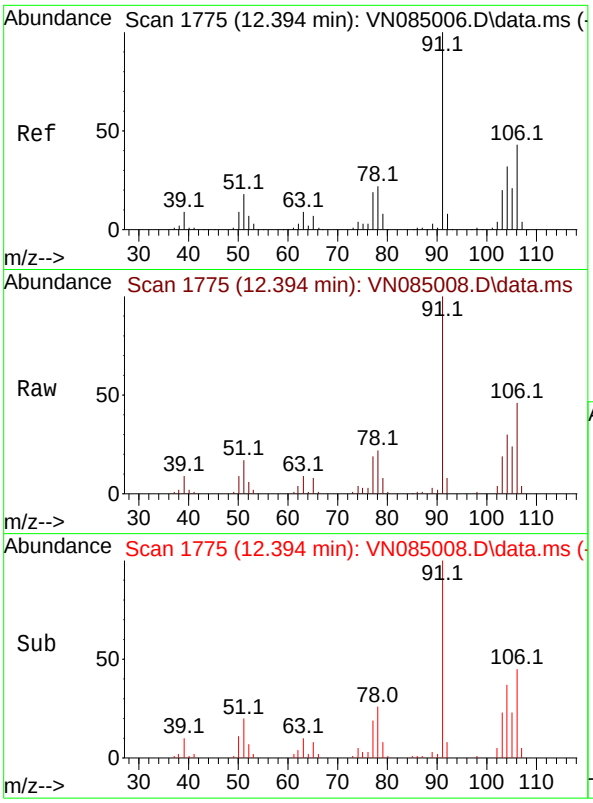


#68
m/p-Xylenes
Concen: 18.925 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:106 Resp: 62195

Ion	Ratio	Lower	Upper
106	100		
91	206.1	168.0	252.0



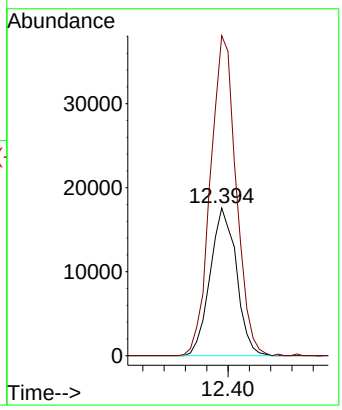


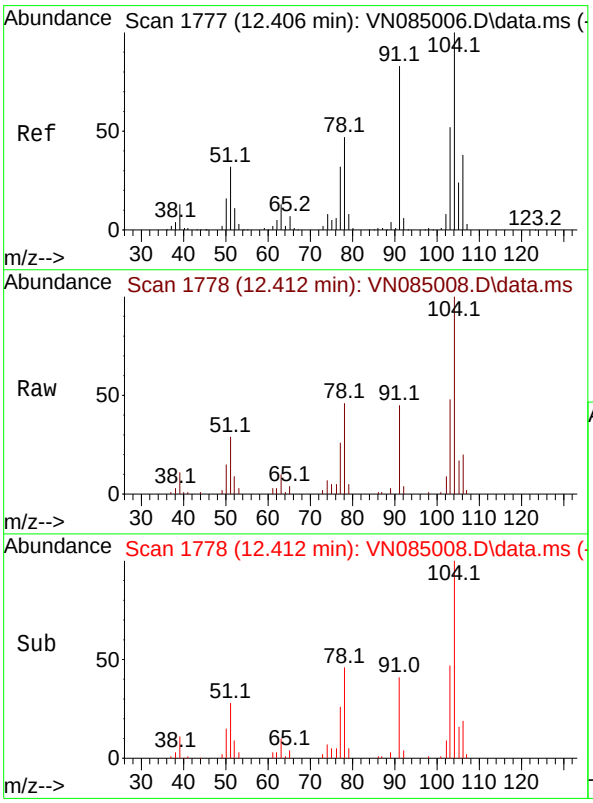
#69
o-Xylene
Concen: 9.618 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:106 Resp: 30067

Ion	Ratio	Lower	Upper
106	100		
91	212.5	110.7	331.9

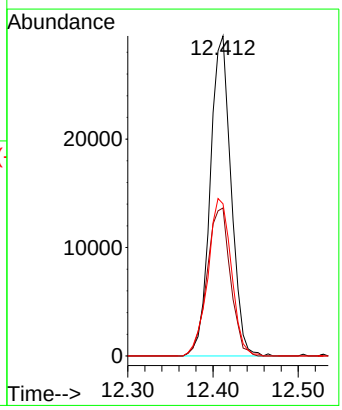


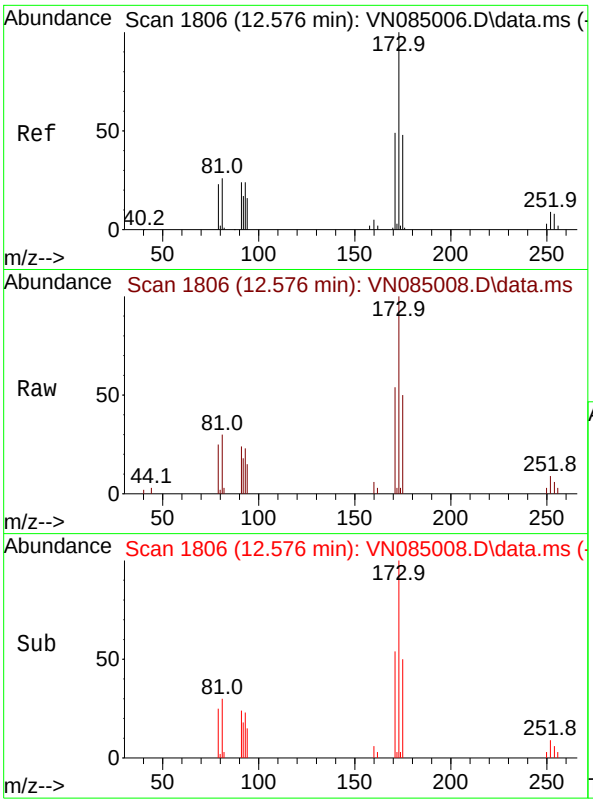


#70
Styrene
Concen: 9.647 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:104 Resp: 50150

Ion	Ratio	Lower	Upper
104	100		
78	51.8	42.3	63.5
103	55.3	44.2	66.2



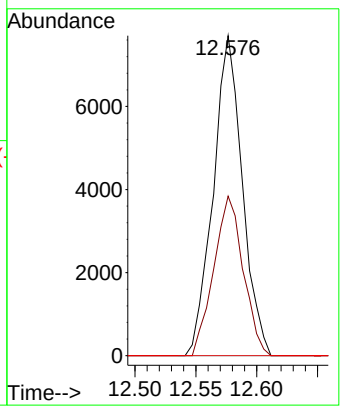


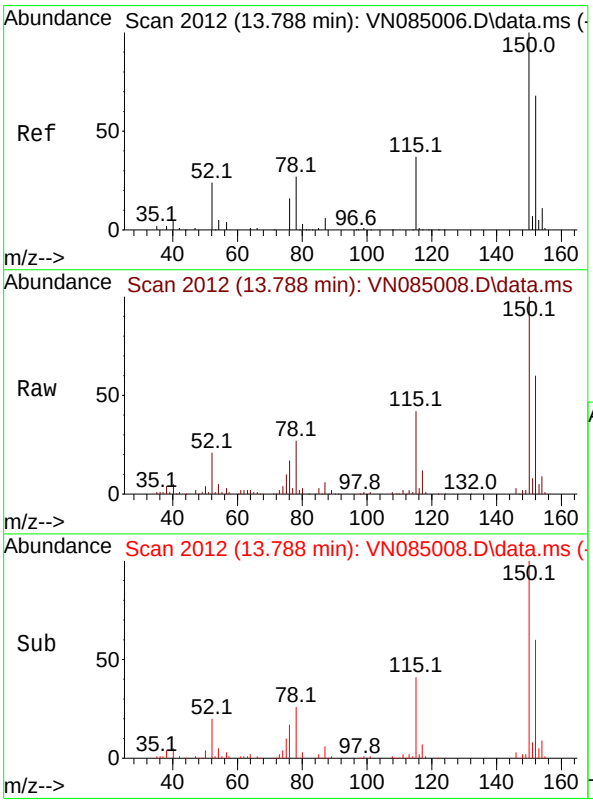
#71
Bromoform
Concen: 9.228 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:173 Resp: 12832

Ion	Ratio	Lower	Upper
173	100		
175	50.4	23.8	71.2
254	0.0	0.0	0.0

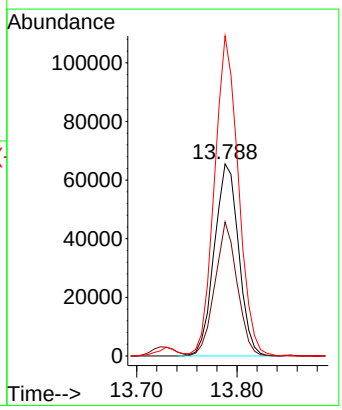


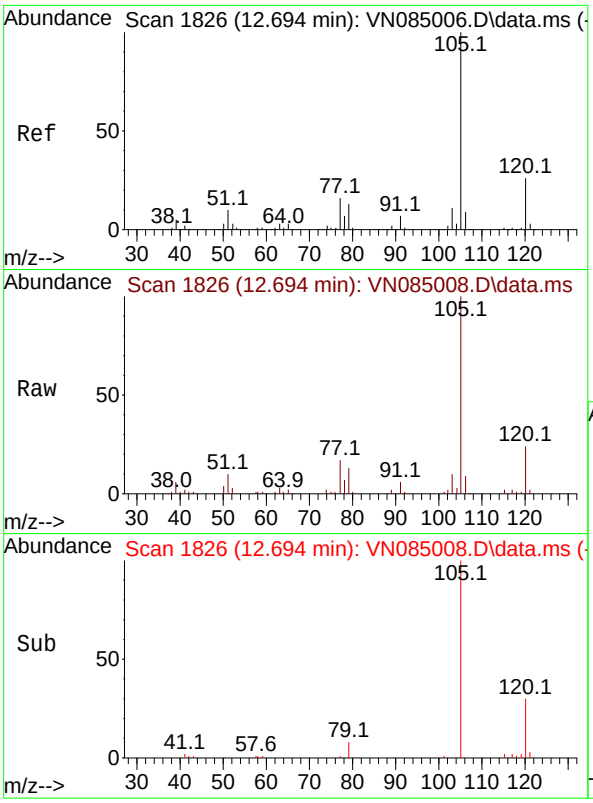


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:152 Resp: 110358

Ion	Ratio	Lower	Upper
152	100		
115	63.9	31.7	95.1
150	163.9	0.0	351.4



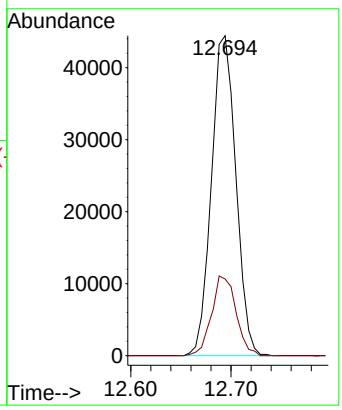


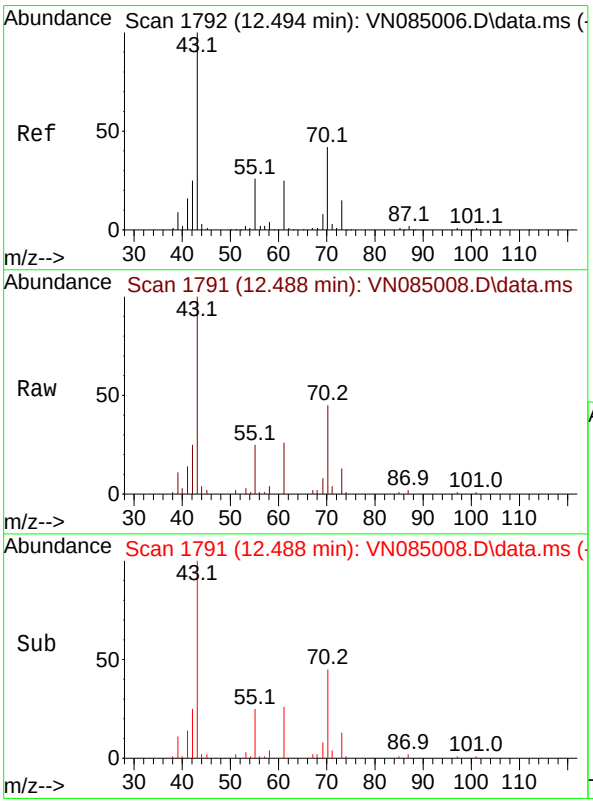
#73
Isopropylbenzene
Concen: 9.644 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 75080

Ion	Ratio	Lower	Upper
105	100		
120	24.9	13.0	39.0

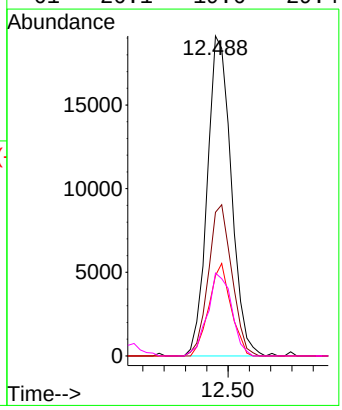


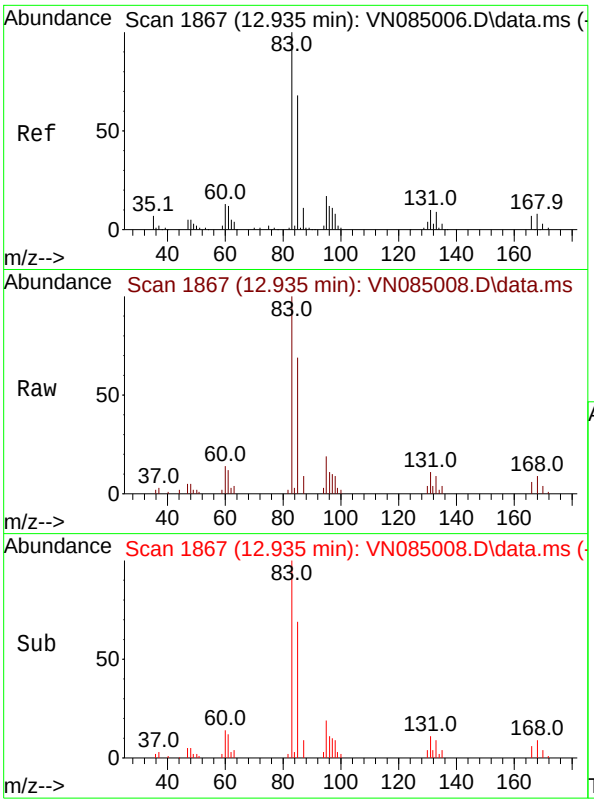


#74
N-amyl acetate
Concen: 9.292 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 43 Resp: 29811

Ion	Ratio	Lower	Upper
43	100		
70	46.4	34.6	51.8
55	26.6	20.5	30.7
61	26.1	19.6	29.4



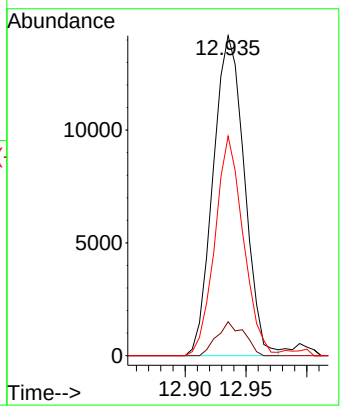


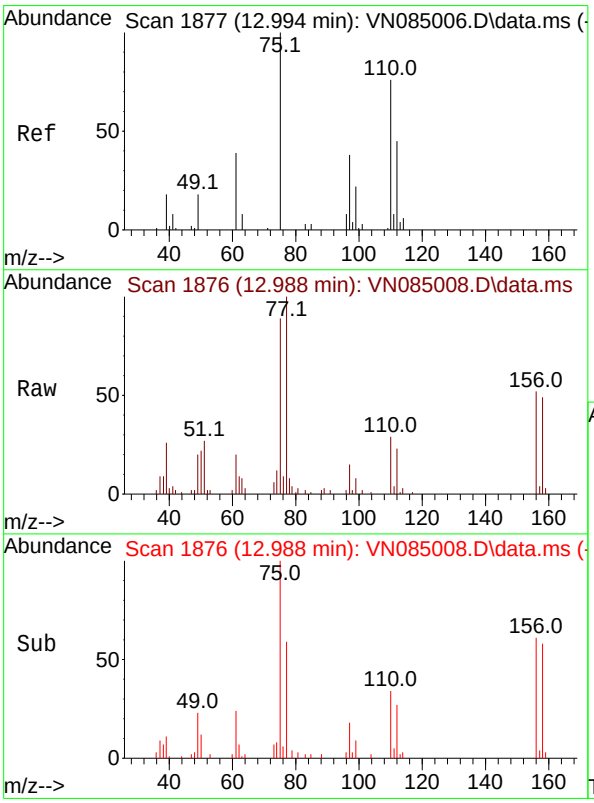
#75
1,1,2,2-Tetrachloroethane
Concen: 9.532 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 25341

Ion	Ratio	Lower	Upper
83	100		
131	9.2	5.1	15.4
85	62.6	32.1	96.3

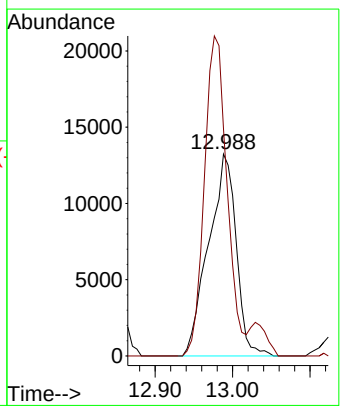


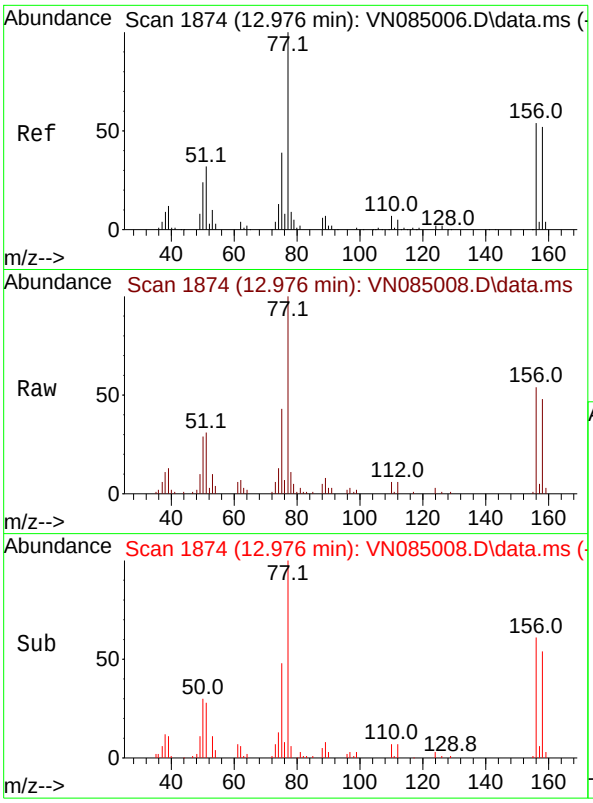


#76
1,2,3-Trichloropropane
Concen: 15.866 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 75 Resp: 32755

Ion	Ratio	Lower	Upper
75	100		
77	130.2	109.1	327.4



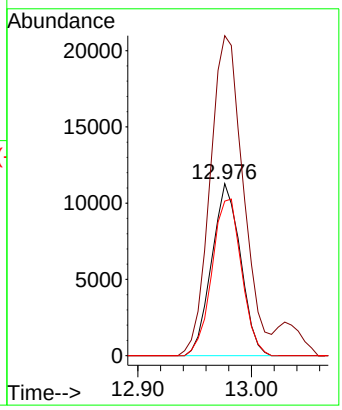


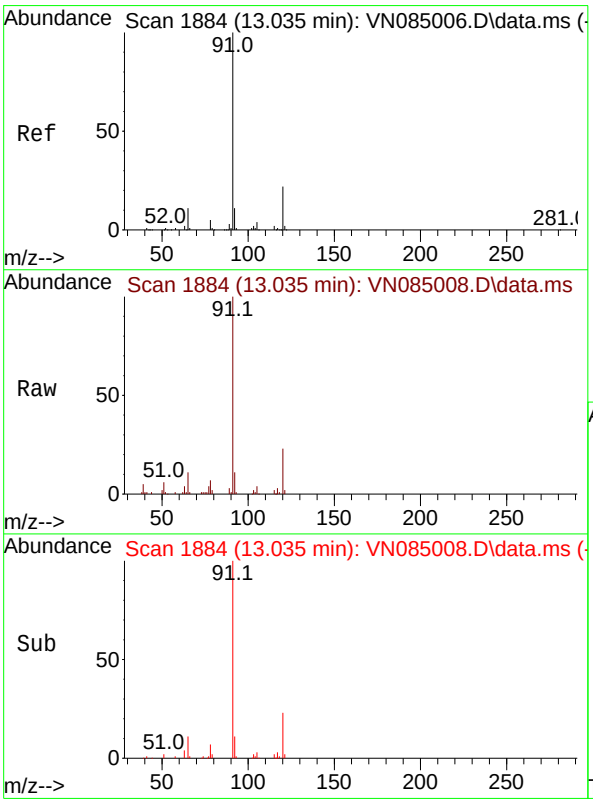
#77
Bromobenzene
Concen: 9.500 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:156 Resp: 19904

Ion	Ratio	Lower	Upper
156	100		
77	214.3	107.2	321.6
158	93.5	48.5	145.6

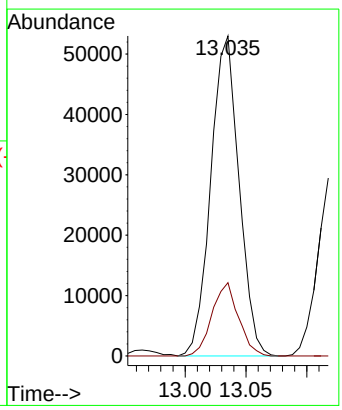


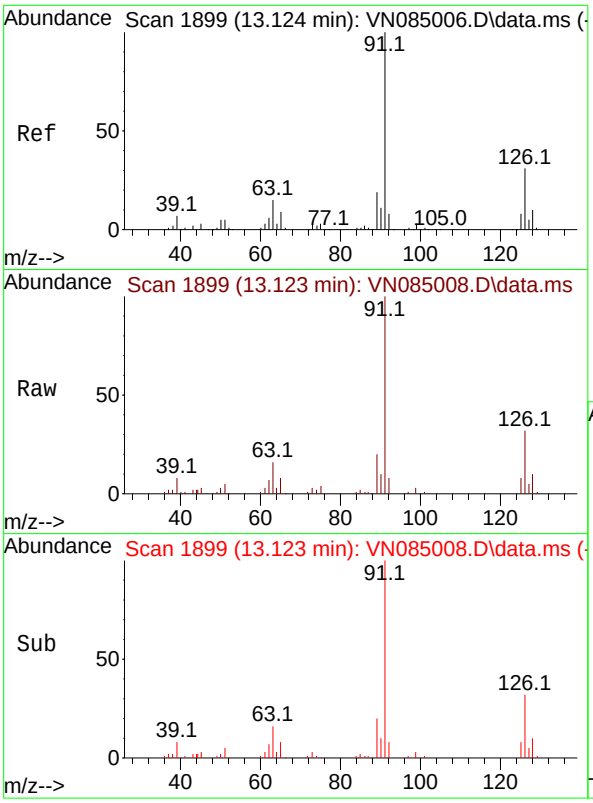


#78
n-propylbenzene
Concen: 9.537 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 91 Resp: 85642

Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.3	33.9



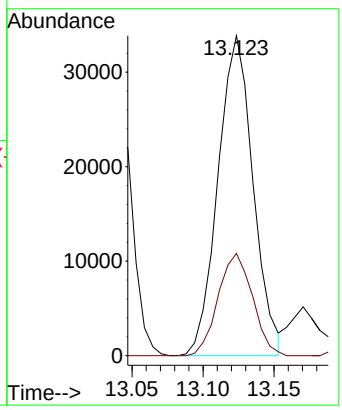


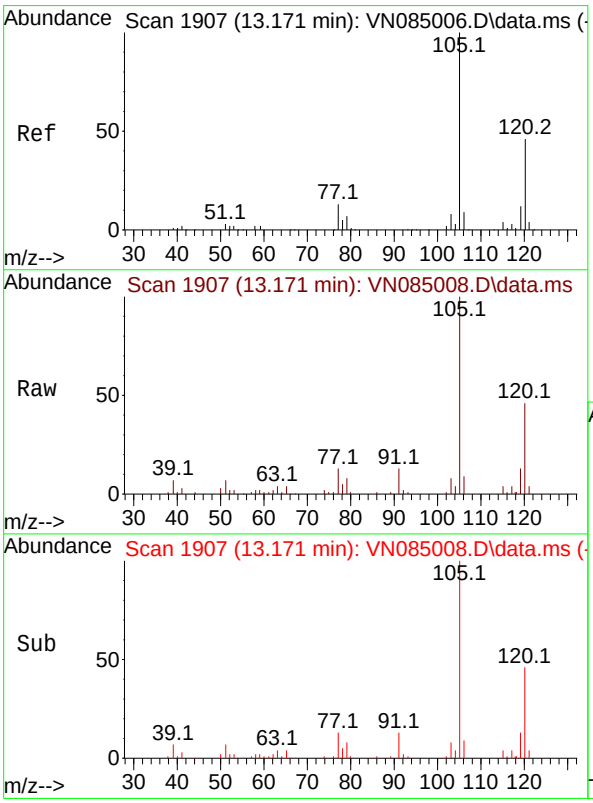
#79
2-Chlorotoluene
Concen: 9.715 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 58233

Ion	Ratio	Lower	Upper
91	100		
126	31.2	16.1	48.3

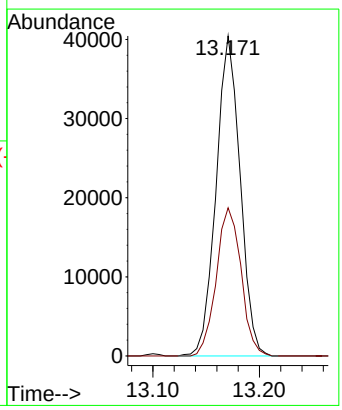


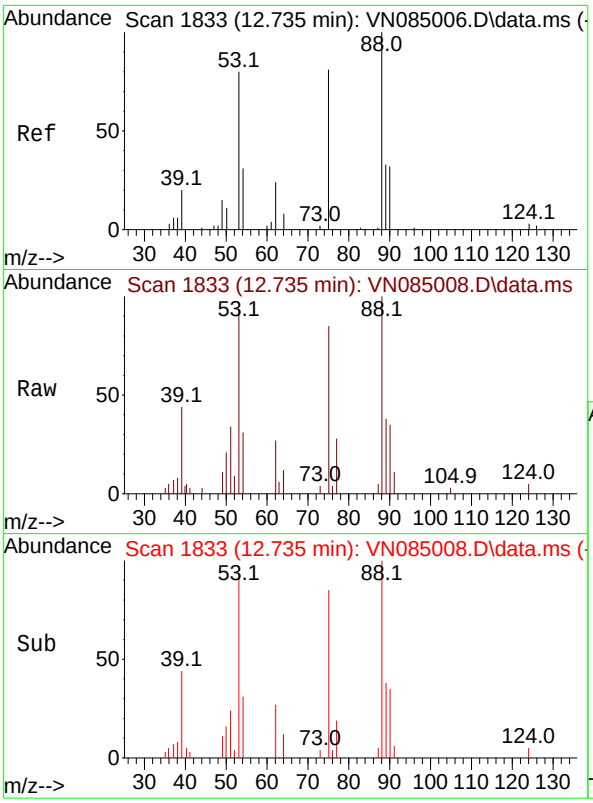


#80
1,3,5-Trimethylbenzene
Concen: 9.676 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:105 Resp: 63212

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.6	71.0



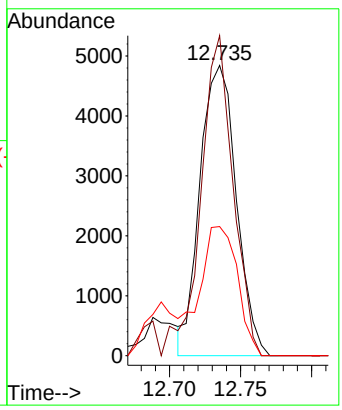


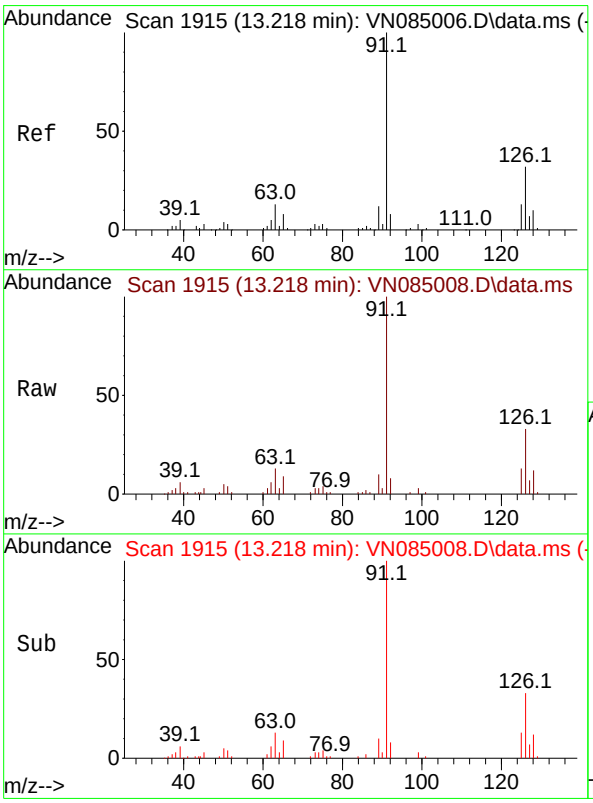
#81
trans-1,4-Dichloro-2-butene
Concen: 9.738 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 8603

Ion	Ratio	Lower	Upper
75	100		
53	97.9	78.2	117.4
89	46.5	37.9	56.9

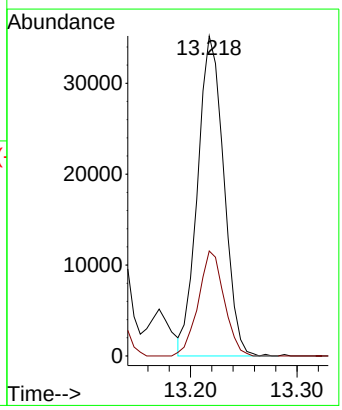


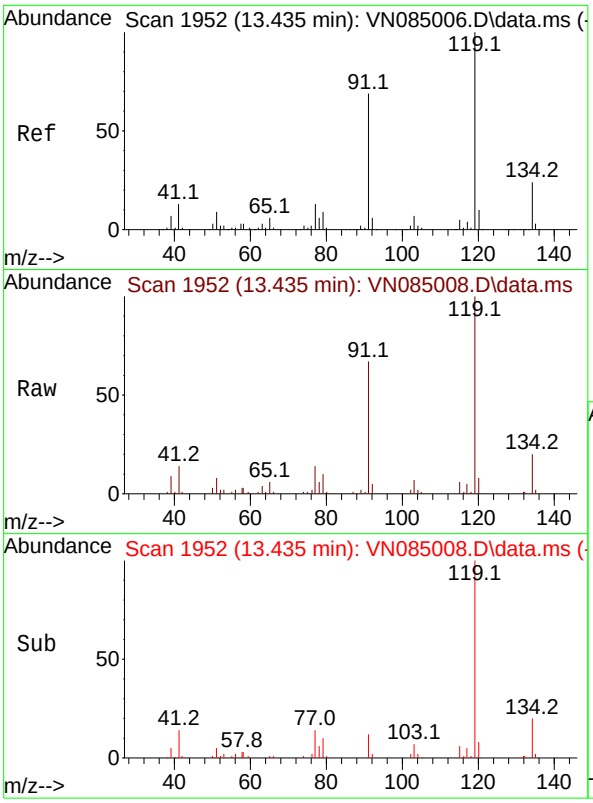


#82
4-Chlorotoluene
Concen: 9.640 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 91 Resp: 60156

Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.1	48.3



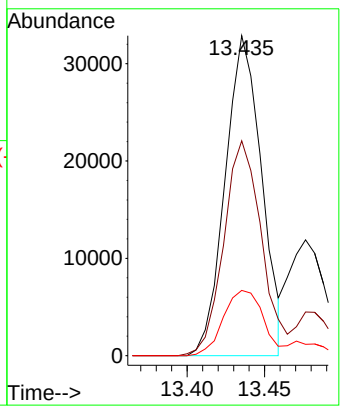


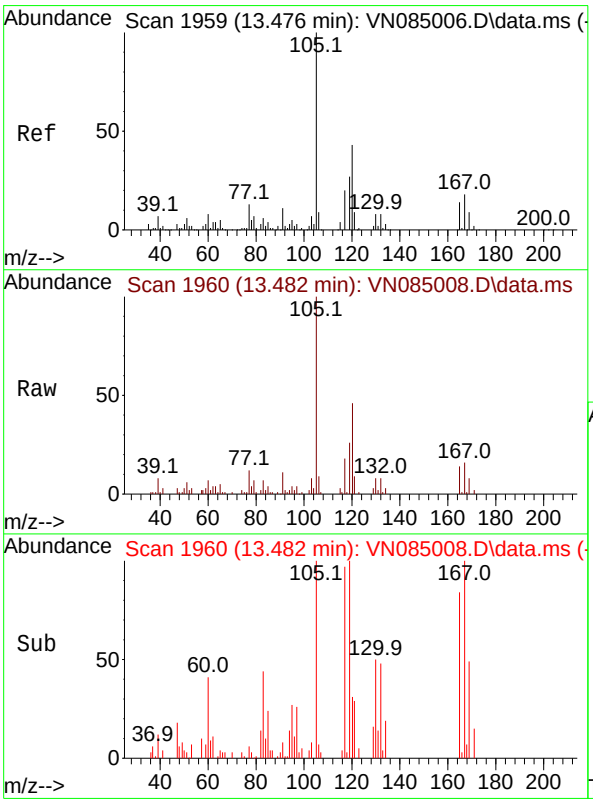
#83
tert-Butylbenzene
Concen: 9.566 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:119 Resp: 53773

Ion	Ratio	Lower	Upper
119	100		
91	69.7	35.1	105.5
134	22.7	12.1	36.3

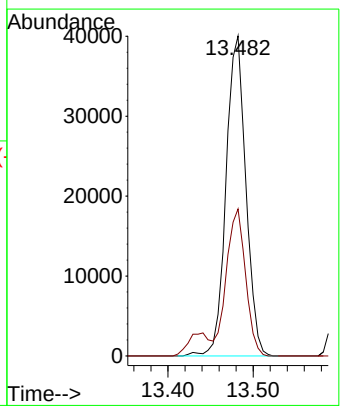


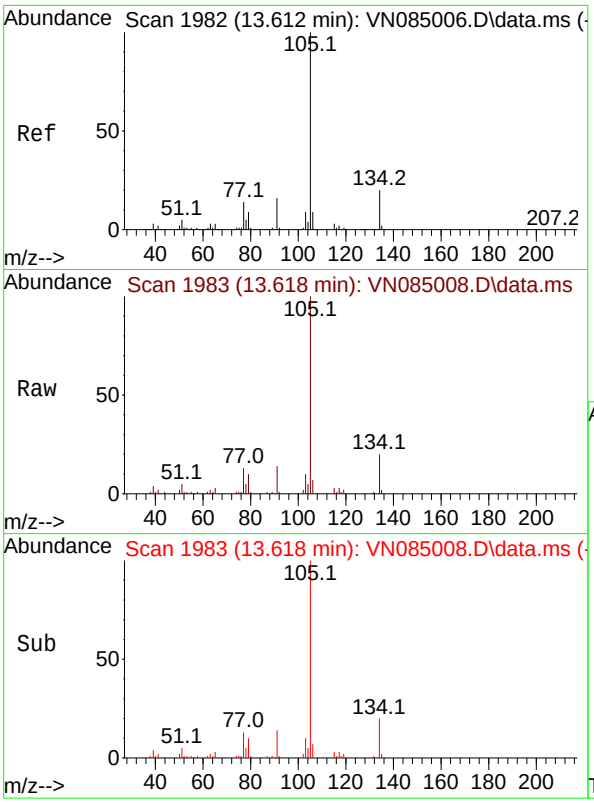


#84
1,2,4-Trimethylbenzene
Concen: 9.607 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:105 Resp: 64606

Ion	Ratio	Lower	Upper
105	100		
120	44.5	21.8	65.4



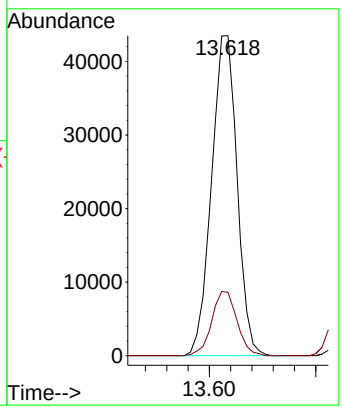


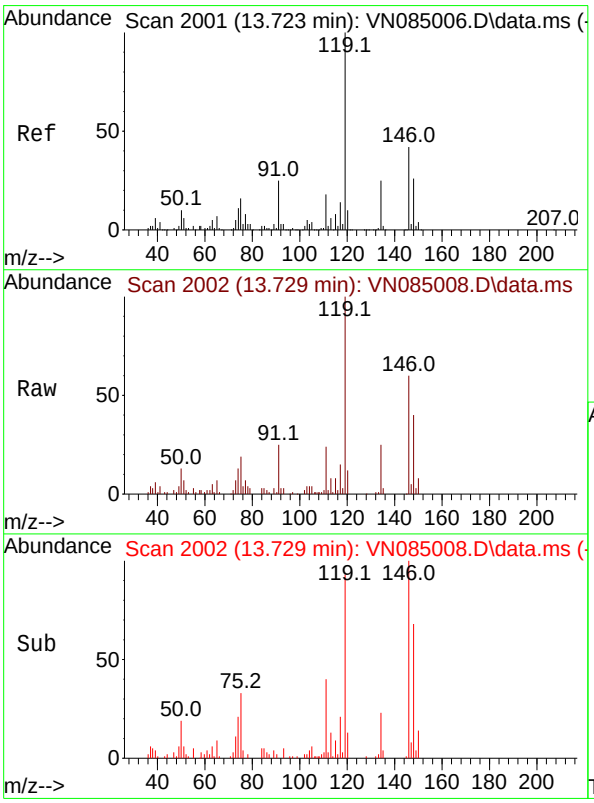
#85
sec-Butylbenzene
Concen: 9.535 ug/l
RT: 13.618 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 72405

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.3

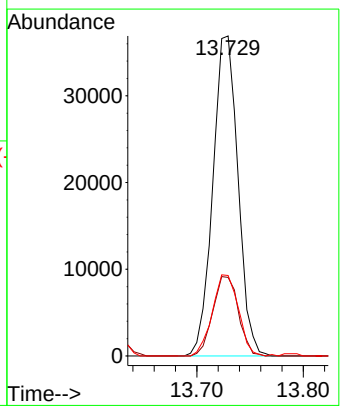


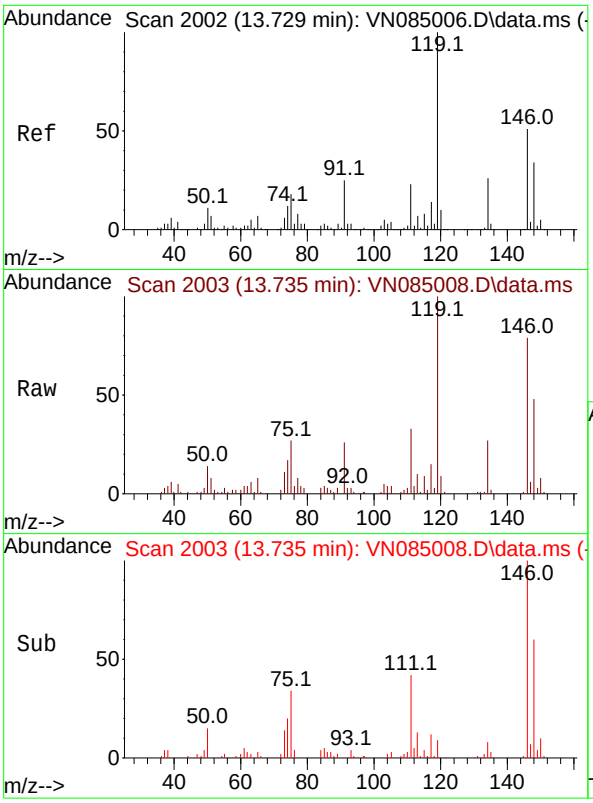


#86
p-Isopropyltoluene
Concen: 9.647 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:119 Resp: 60467

Ion	Ratio	Lower	Upper
119	100		
134	25.2	13.0	39.0
91	26.2	12.8	38.4



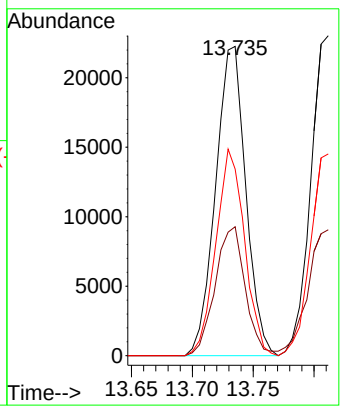


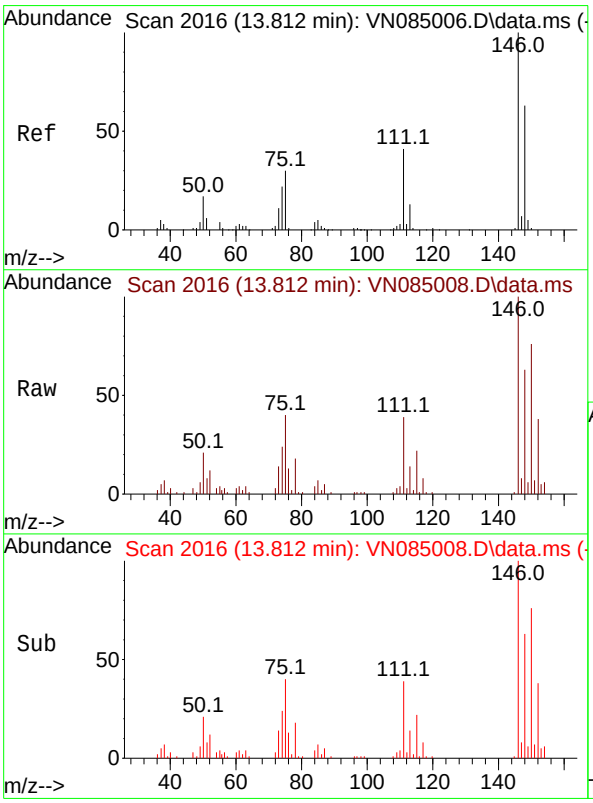
#87
1,3-Dichlorobenzene
Concen: 9.317 ug/l
RT: 13.735 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 38501

Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.6	65.0
148	63.3	32.2	96.6

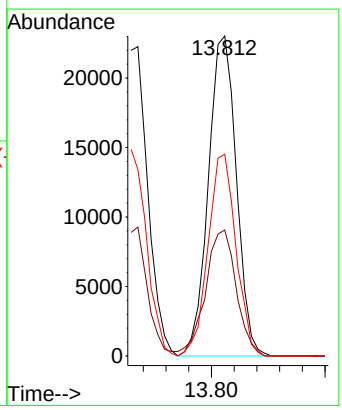


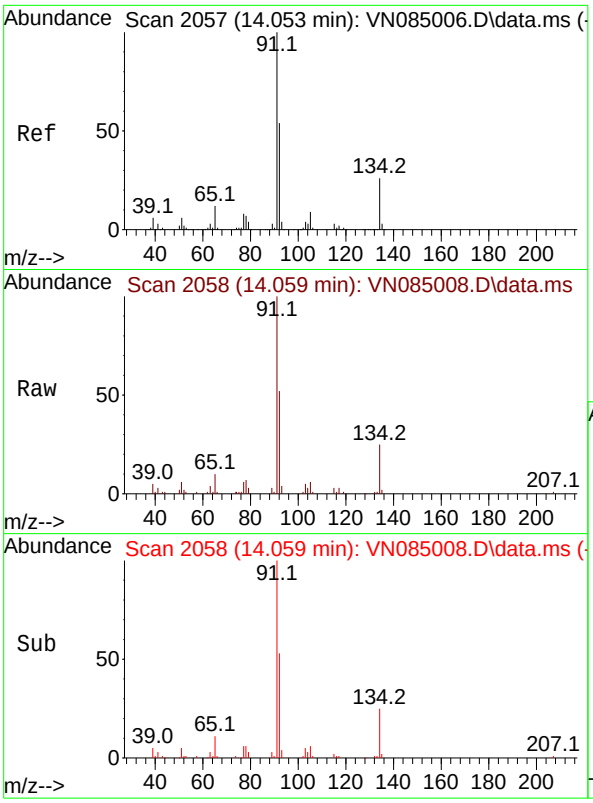


#88
1,4-Dichlorobenzene
Concen: 9.360 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:146 Resp: 39471

Ion	Ratio	Lower	Upper
146	100		
111	43.5	20.9	62.8
148	62.7	31.3	93.9



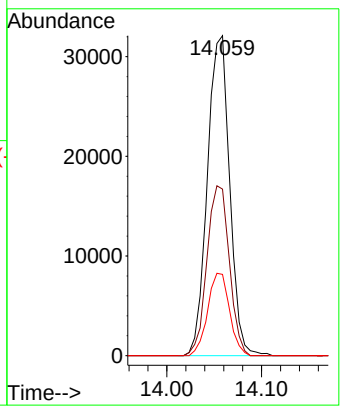


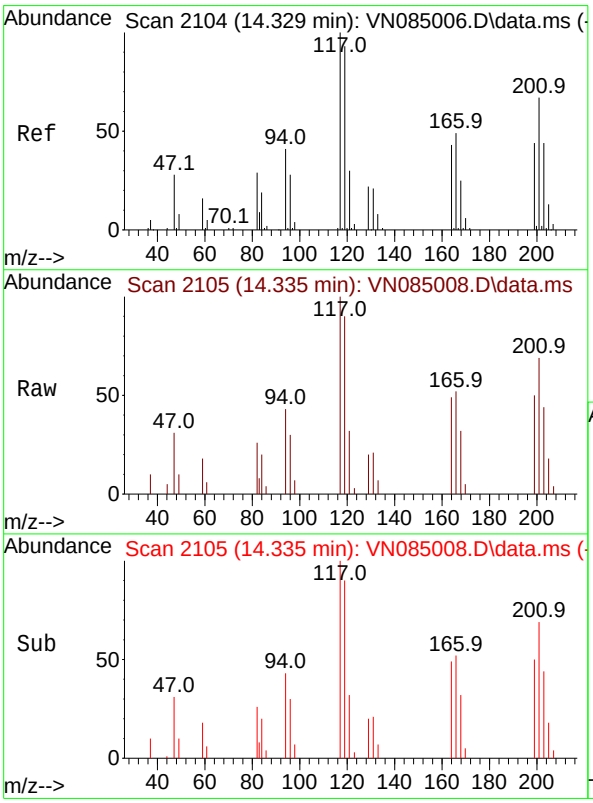
#89
n-Butylbenzene
Concen: 8.994 ug/l
RT: 14.059 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 52430

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.8	80.3
134	25.3	12.8	38.4

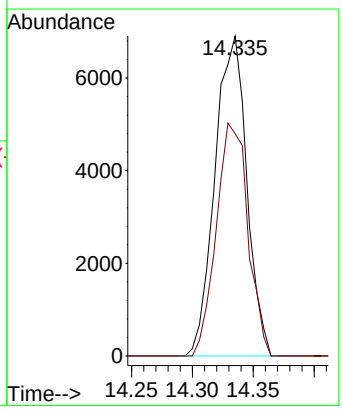


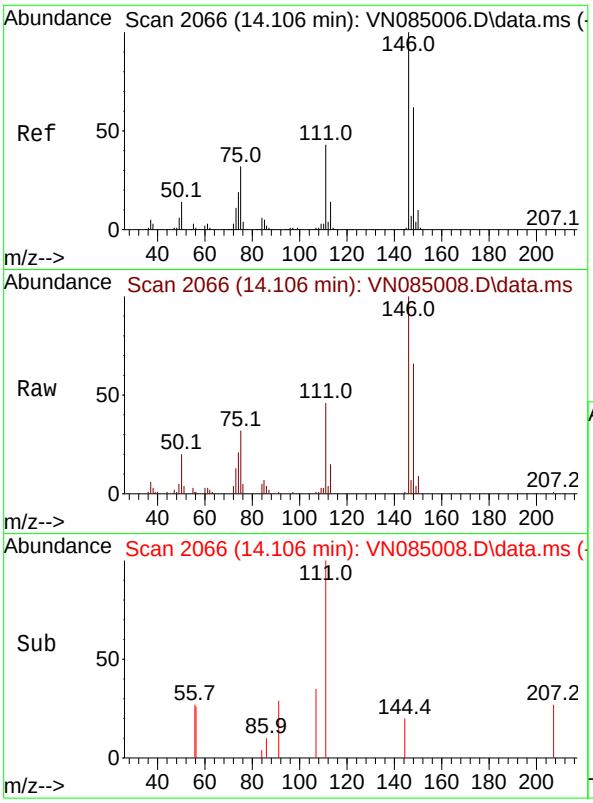


#90
Hexachloroethane
Concen: 9.179 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:117 Resp: 12541

Ion	Ratio	Lower	Upper
117	100		
201	72.3	35.2	105.6



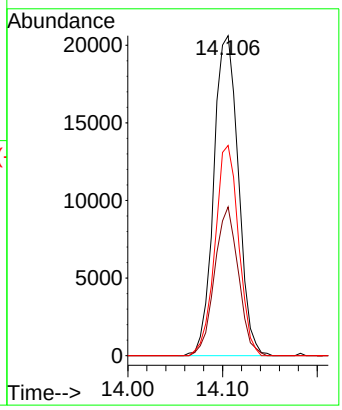


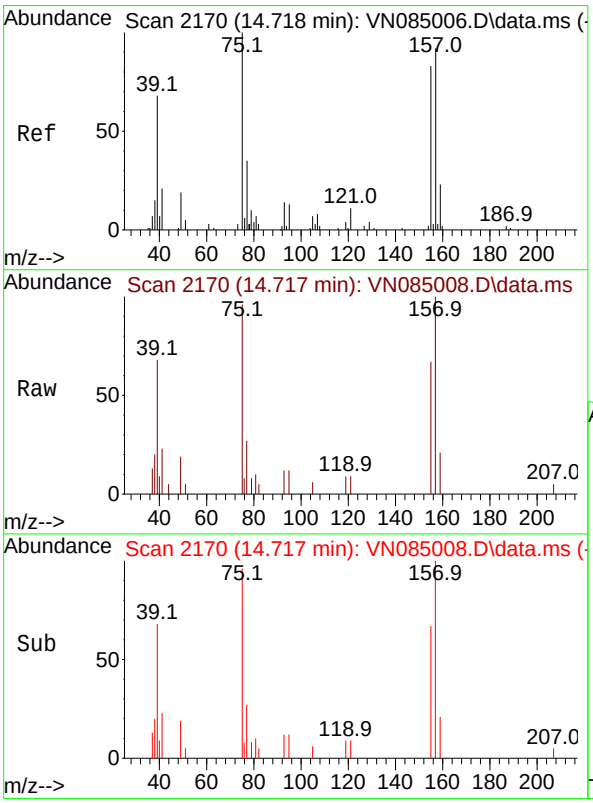
#91
1,2-Dichlorobenzene
Concen: 9.390 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 37183

Ion	Ratio	Lower	Upper
146	100		
111	45.1	21.9	65.8
148	63.1	31.1	93.2

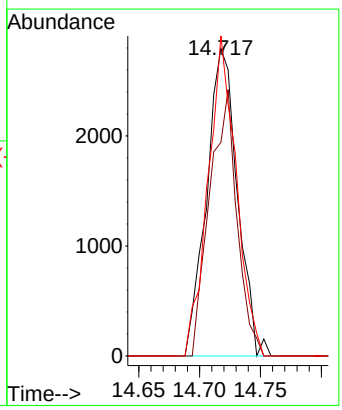


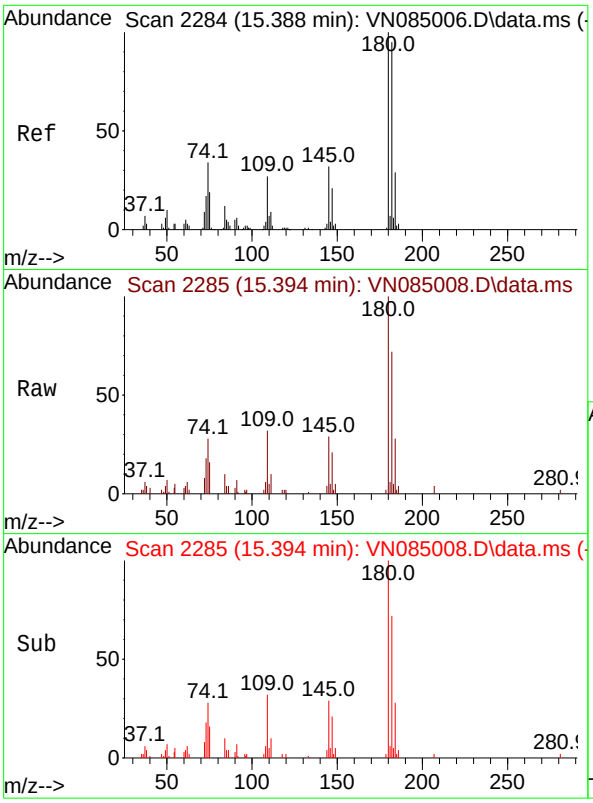


#92
1,2-Dibromo-3-Chloropropane
Concen: 9.565 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 75 Resp: 4917

Ion	Ratio	Lower	Upper
75	100		
155	76.6	38.9	116.7
157	95.3	48.3	144.9



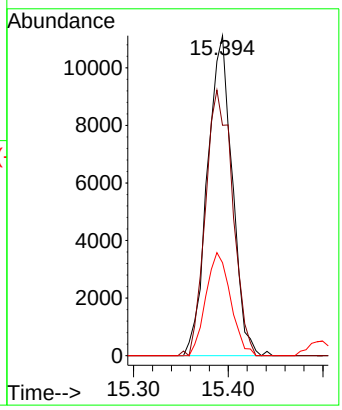


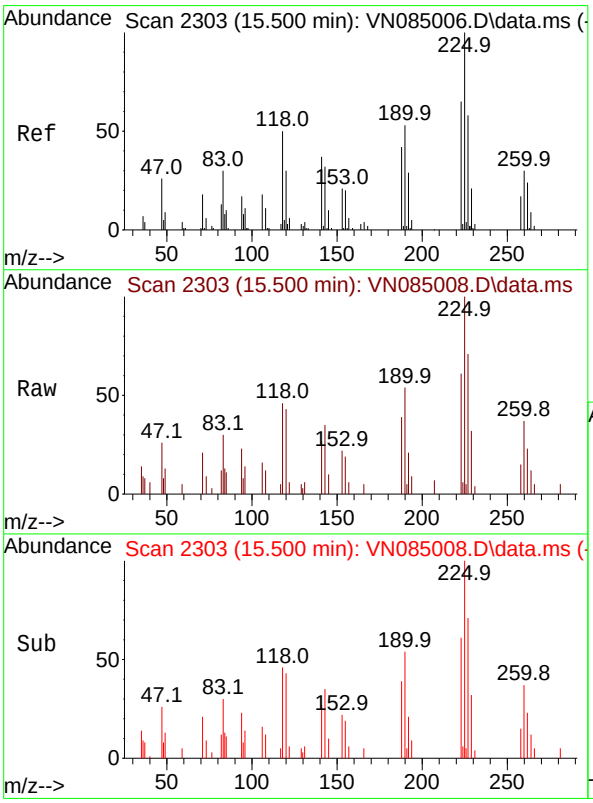
#93
1,2,4-Trichlorobenzene
Concen: 9.429 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:180 Resp: 20285

Ion	Ratio	Lower	Upper
180	100		
182	90.0	46.9	140.8
145	32.0	16.3	48.8

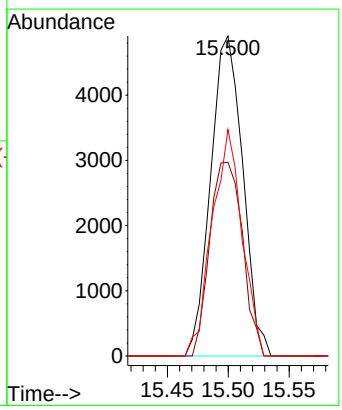


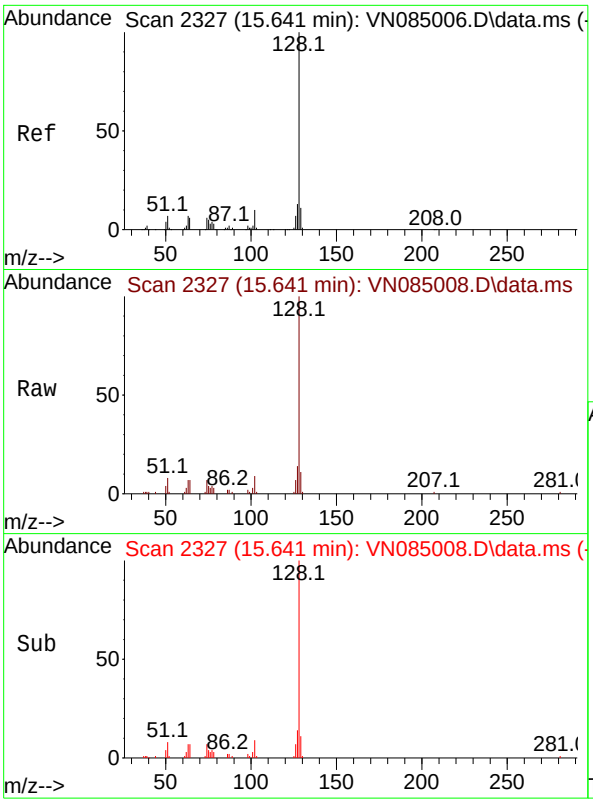


#94
Hexachlorobutadiene
Concen: 9.080 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:225 Resp: 9015

Ion	Ratio	Lower	Upper
225	100		
223	61.7	30.9	92.8
227	66.2	31.5	94.5



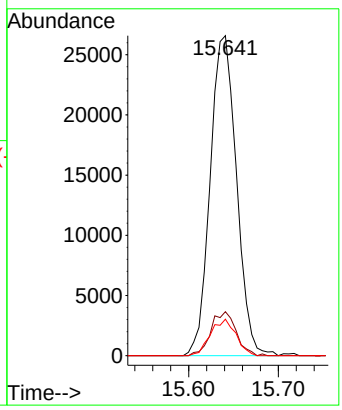


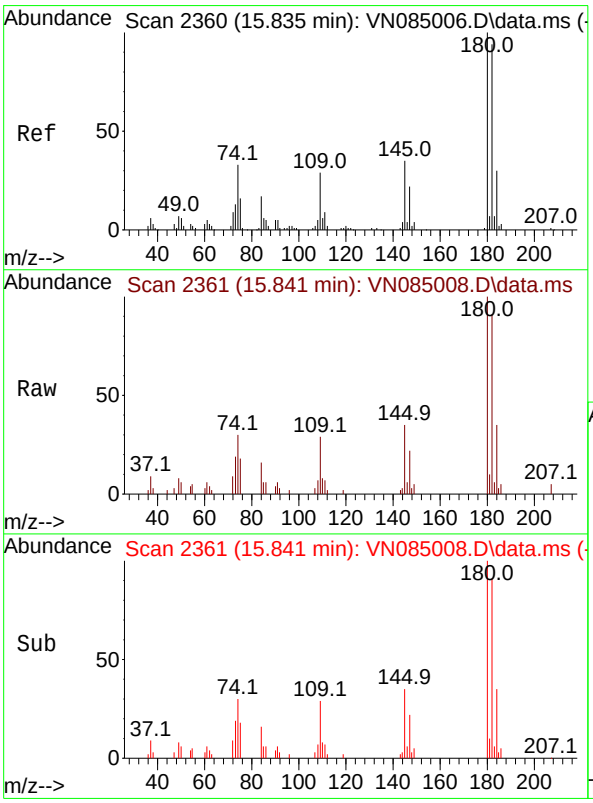
#95
Naphthalene
Concen: 8.844 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:128 Resp: 54191

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	11.0	8.6	12.8

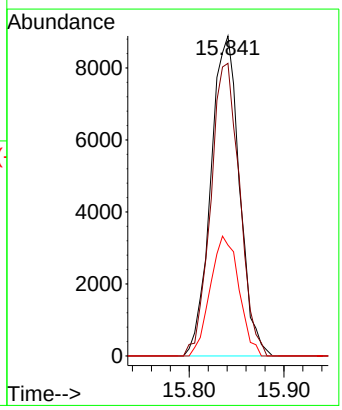




#96
1,2,3-Trichlorobenzene
Concen: 9.132 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:180 Resp: 18745

Ion	Ratio	Lower	Upper
180	100		
182	91.9	46.4	139.2
145	37.3	17.3	52.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085009.D
Acq On : 22 Nov 2024 12:57
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Nov 23 02:01:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.218	168	165285	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.094	114	280025	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.864	117	235767	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	108389	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.571	65	11977	5.087	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.180%#			
35) Dibromofluoromethane	8.159	113	9597	5.082	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.160%#			
50) Toluene-d8	10.559	98	32318	4.775	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.560%#			
62) 4-Bromofluorobenzene	12.847	95	12715	5.024	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	10.040%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	9758	5.221	ug/l		91
3) Chloromethane	2.359	50	10967	5.059	ug/l		97
4) Vinyl Chloride	2.512	62	10043	5.155	ug/l		92
5) Bromomethane	2.900	94	6052	5.543	ug/l		98
6) Chloroethane	3.059	64	6721	5.119	ug/l		93
7) Trichlorofluoromethane	3.465	101	17204	5.192	ug/l		98
8) Diethyl Ether	3.947	74	5696	5.050	ug/l		95
9) 1,1,2-Trichlorotrifluo...	4.353	101	9518	5.064	ug/l		98
10) Methyl Iodide	4.577	142	12631	5.077	ug/l		96
11) Tert butyl alcohol	5.541	59	9684	30.780	ug/l	#	89
12) 1,1-Dichloroethene	4.318	96	8977	5.117	ug/l	#	92
13) Acrolein	4.177	56	4745	22.602	ug/l		95
14) Allyl chloride	5.006	41	14439	4.882	ug/l		97
15) Acrylonitrile	5.712	53	22627	25.403	ug/l		96
16) Acetone	4.430	43	16131	23.525	ug/l		93
17) Carbon Disulfide	4.694	76	26272	5.074	ug/l	#	87
18) Methyl Acetate	5.018	43	14139	5.429	ug/l		98
19) Methyl tert-butyl Ether	5.800	73	27679	4.829	ug/l		95
20) Methylene Chloride	5.271	84	10410	4.975	ug/l	#	88
21) trans-1,2-Dichloroethene	5.765	96	9388	5.085	ug/l		99
22) Diisopropyl ether	6.659	45	30018	5.043	ug/l		97
23) Vinyl Acetate	6.594	43	97507	23.745	ug/l		96
24) 1,1-Dichloroethane	6.559	63	18044	5.066	ug/l		97
25) 2-Butanone	7.482	43	27100	24.174	ug/l		98
26) 2,2-Dichloropropane	7.482	77	16525	4.968	ug/l		99
27) cis-1,2-Dichloroethene	7.482	96	11250	5.055	ug/l		96
28) Bromochloromethane	7.806	49	6592	4.903	ug/l	#	98
29) Tetrahydrofuran	7.841	42	17501	25.104	ug/l		99
30) Chloroform	7.959	83	18837	4.971	ug/l		91
31) Cyclohexane	8.247	56	18036	5.751	ug/l		97
32) 1,1,1-Trichloroethane	8.165	97	16611	4.851	ug/l		97
36) 1,1-Dichloropropene	8.371	75	13147	5.140	ug/l		98
37) Ethyl Acetate	7.553	43	11891	5.114	ug/l	#	79
38) Carbon Tetrachloride	8.359	117	14827	5.022	ug/l		96
39) Methylcyclohexane	9.594	83	13143	4.945	ug/l		95
40) Benzene	8.600	78	40657	5.026	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085009.D
Acq On : 22 Nov 2024 12:57
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Nov 23 02:01:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.782	41	5687	4.417 ug/l	93
42) 1,2-Dichloroethane	8.671	62	14824	5.356 ug/l	99
43) Isopropyl Acetate	8.688	43	23894	4.947 ug/l	95
44) Trichloroethene	9.347	130	9711	5.165 ug/l	100
45) 1,2-Dichloropropane	9.618	63	9859	4.948 ug/l	99
46) Dibromomethane	9.706	93	6962	5.028 ug/l	98
47) Bromodichloromethane	9.888	83	14562	4.962 ug/l #	96
48) Methyl methacrylate	9.676	41	8840	4.918 ug/l	94
49) 1,4-Dioxane	9.694	88	2953	94.738 ug/l #	83
51) 4-Methyl-2-Pentanone	10.441	43	55176	25.010 ug/l	100
52) Toluene	10.629	92	24051	5.022 ug/l	98
53) t-1,3-Dichloropropene	10.835	75	13412	4.559 ug/l	91
54) cis-1,3-Dichloropropene	10.312	75	14917	4.779 ug/l	95
55) 1,1,2-Trichloroethane	11.017	97	8791	4.928 ug/l	96
56) Ethyl methacrylate	10.876	69	12004	4.605 ug/l	93
57) 1,3-Dichloropropane	11.159	76	15736	5.012 ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	27177	21.254 ug/l	100
59) 2-Hexanone	11.194	43	41641	25.237 ug/l	95
60) Dibromochloromethane	11.359	129	10844	4.974 ug/l	98
61) 1,2-Dibromoethane	11.465	107	9468	5.128 ug/l	96
64) Tetrachloroethene	11.100	164	8826	5.556 ug/l	89
65) Chlorobenzene	11.888	112	26717	4.997 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	9904	5.261 ug/l	96
67) Ethyl Benzene	11.959	91	42642	4.916 ug/l	96
68) m/p-Xylenes	12.070	106	31421	9.514 ug/l	99
69) o-Xylene	12.400	106	14935	4.754 ug/l	98
70) Styrene	12.412	104	24480	4.686 ug/l	99
71) Bromoform	12.576	173	7040	5.038 ug/l #	100
73) Isopropylbenzene	12.694	105	37544	4.910 ug/l	97
74) N-amyl acetate	12.494	43	14995	4.759 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	13341	5.109 ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	16152	7.966 ug/l	56
77) Bromobenzene	12.976	156	10485	5.095 ug/l	94
78) n-propylbenzene	13.035	91	43493	4.931 ug/l	99
79) 2-Chlorotoluene	13.123	91	29037	4.932 ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	30809	4.802 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	4774	5.502 ug/l #	88
82) 4-Chlorotoluene	13.217	91	30558	4.986 ug/l	97
83) tert-Butylbenzene	13.435	119	26485	4.797 ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	31328	4.743 ug/l	98
85) sec-Butylbenzene	13.611	105	35183	4.718 ug/l	99
86) p-Isopropyltoluene	13.729	119	28019	4.551 ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	21043	5.185 ug/l	96
88) 1,4-Dichlorobenzene	13.806	146	22041	5.322 ug/l	93
89) n-Butylbenzene	14.053	91	27093	4.732 ug/l	99
90) Hexachloroethane	14.329	117	6869	5.119 ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	19670	5.058 ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.711	75	2703	5.353 ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	10547	4.992 ug/l	98
94) Hexachlorobutadiene	15.494	225	5141	5.272 ug/l	96
95) Naphthalene	15.641	128	29077	4.832 ug/l	97
96) 1,2,3-Trichlorobenzene	15.835	180	10042	4.981 ug/l	94

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085009.D
Acq On : 22 Nov 2024 12:57
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Nov 23 02:01:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

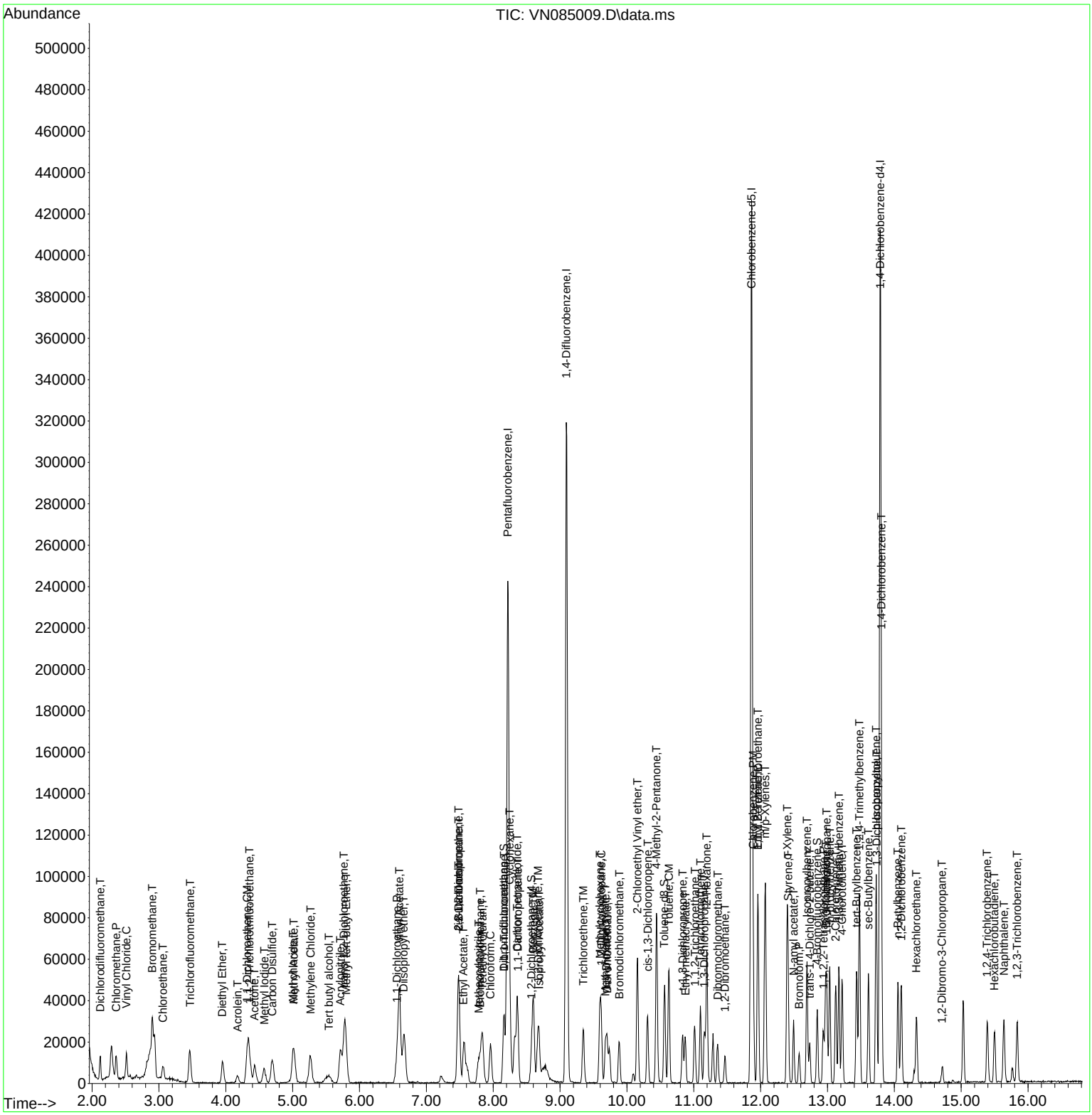
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

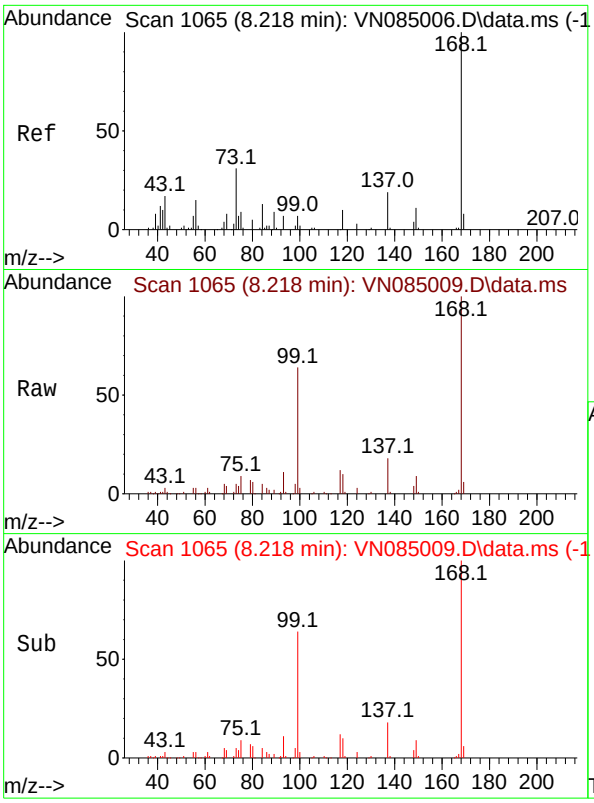
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085009.D
Acq On : 22 Nov 2024 12:57
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Nov 23 02:01:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration



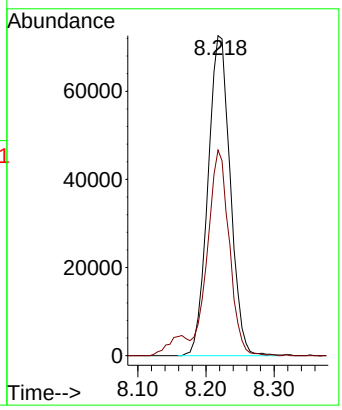


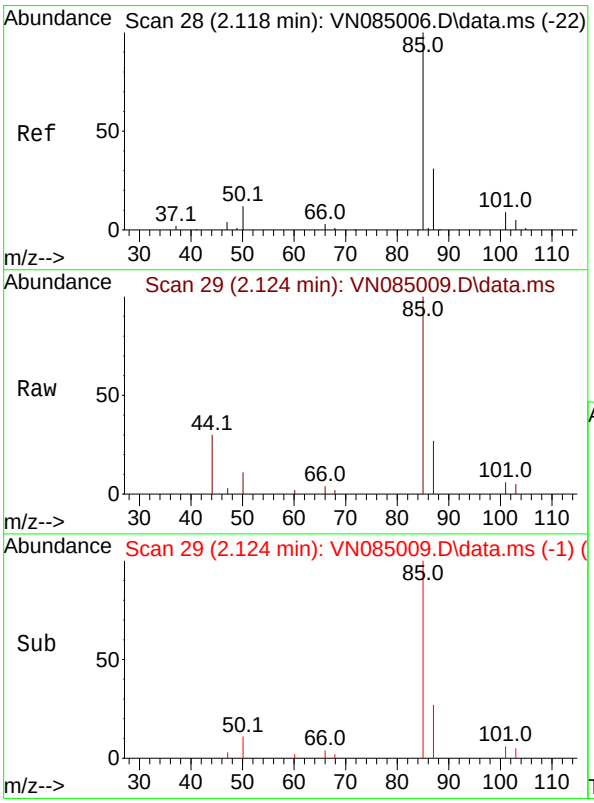
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 165285

Ion	Ratio	Lower	Upper
168	100		
99	64.2	51.2	76.8

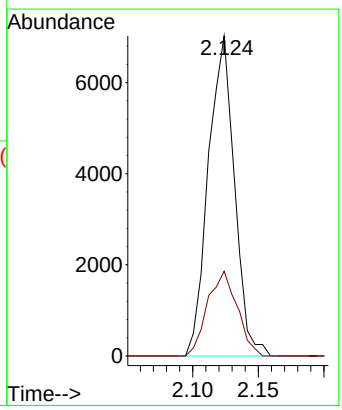


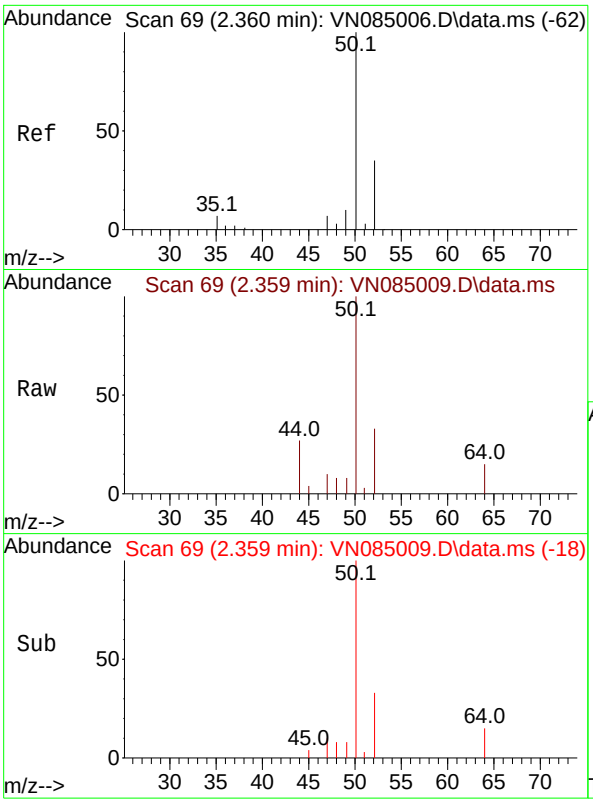


#2
Dichlorodifluoromethane
Concen: 5.221 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 85 Resp: 9758

Ion	Ratio	Lower	Upper
85	100		
87	26.5	15.7	47.1



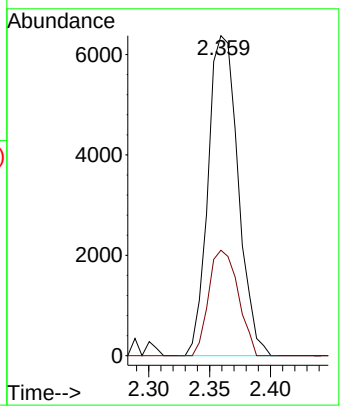


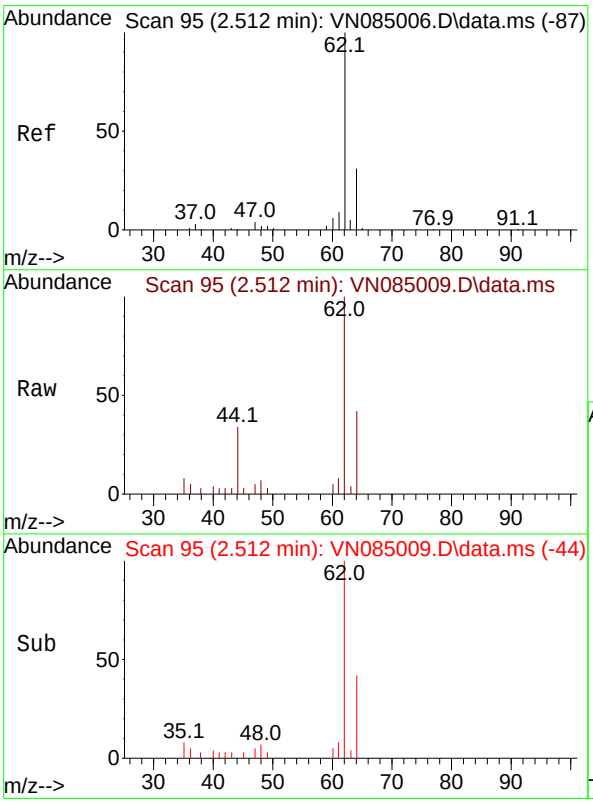
#3
Chloromethane
Concen: 5.059 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 10967

Ion	Ratio	Lower	Upper
50	100		
52	33.0	27.8	41.8

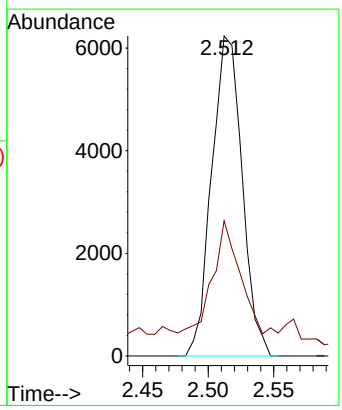


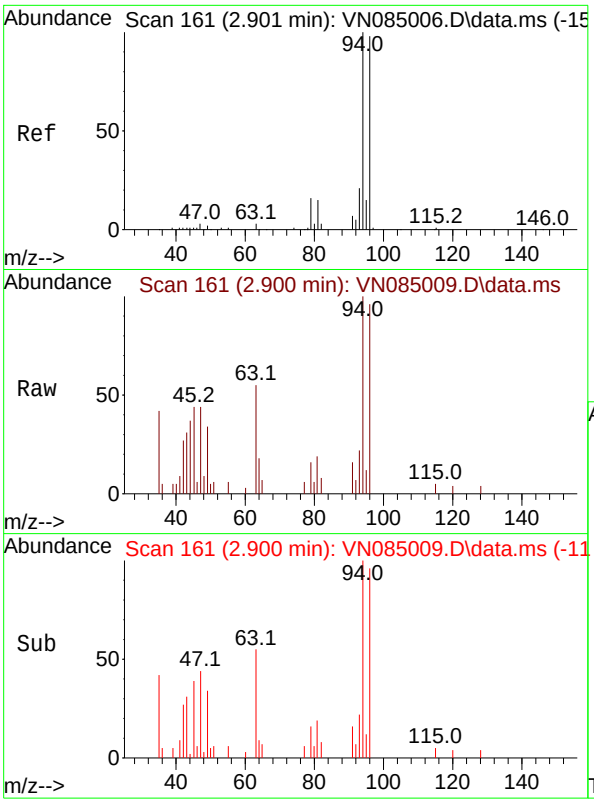


#4
Vinyl Chloride
Concen: 5.155 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 62 Resp: 10043

Ion	Ratio	Lower	Upper
62	100		
64	35.1	24.6	36.8



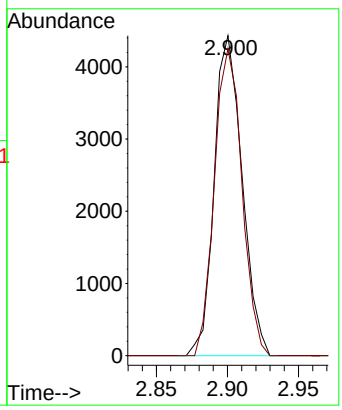


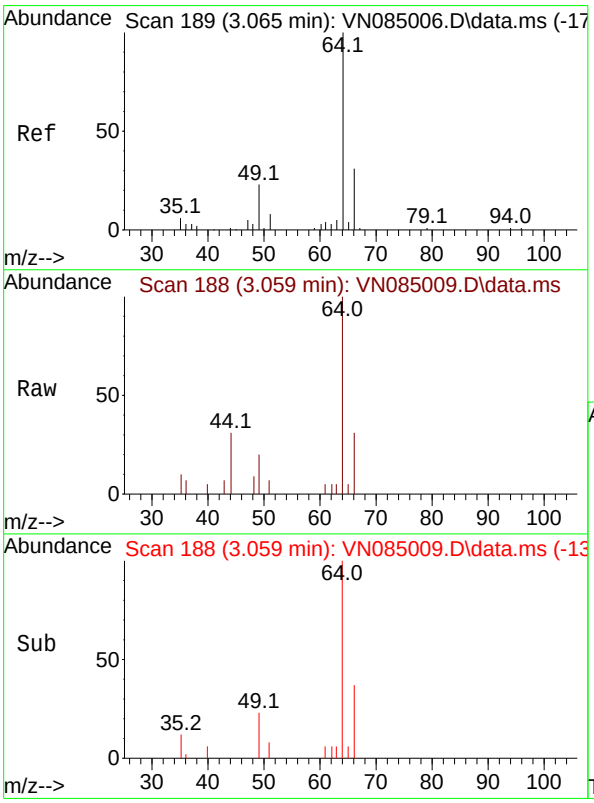
#5
Bromomethane
Concen: 5.543 ug/l
RT: 2.900 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 6052

Ion	Ratio	Lower	Upper
94	100		
96	95.9	78.7	118.1

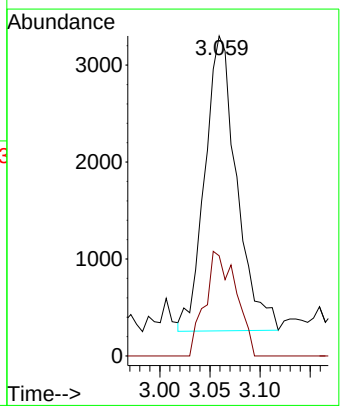


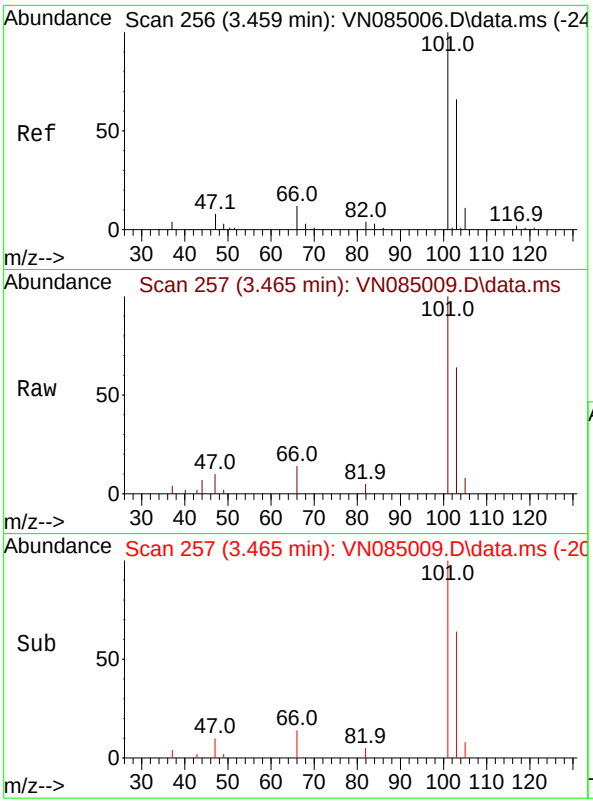


#6
Chloroethane
Concen: 5.119 ug/l
RT: 3.059 min Scan# 188
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 64 Resp: 6721

Ion	Ratio	Lower	Upper
64	100		
66	34.1	24.4	36.6



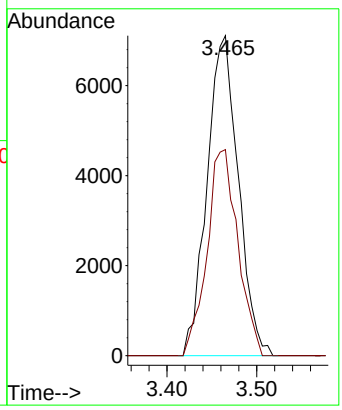


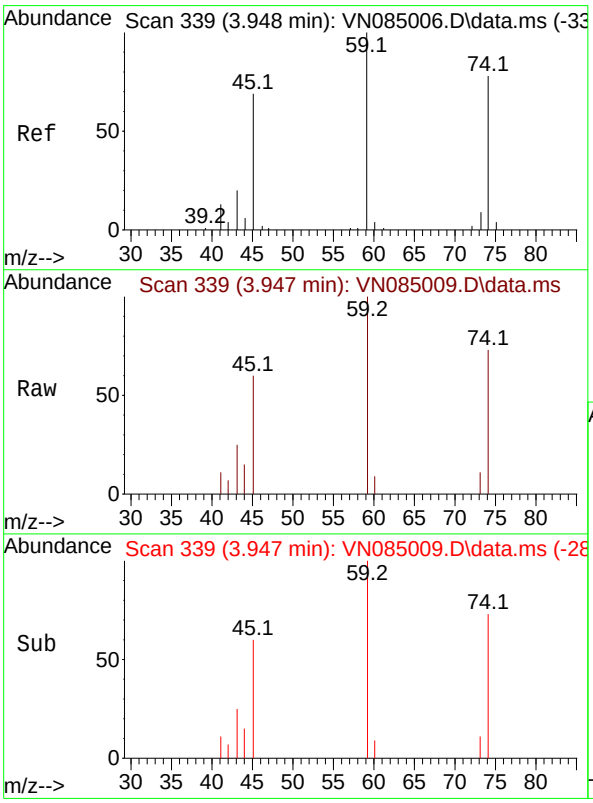
#7
Trichlorofluoromethane
Concen: 5.192 ug/l
RT: 3.465 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 17204

Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.6	78.8

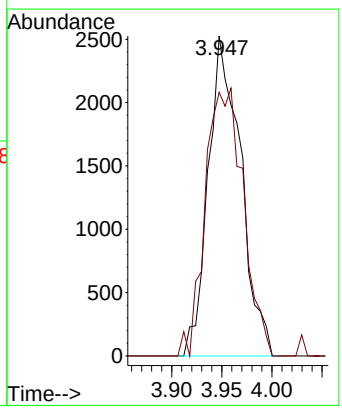


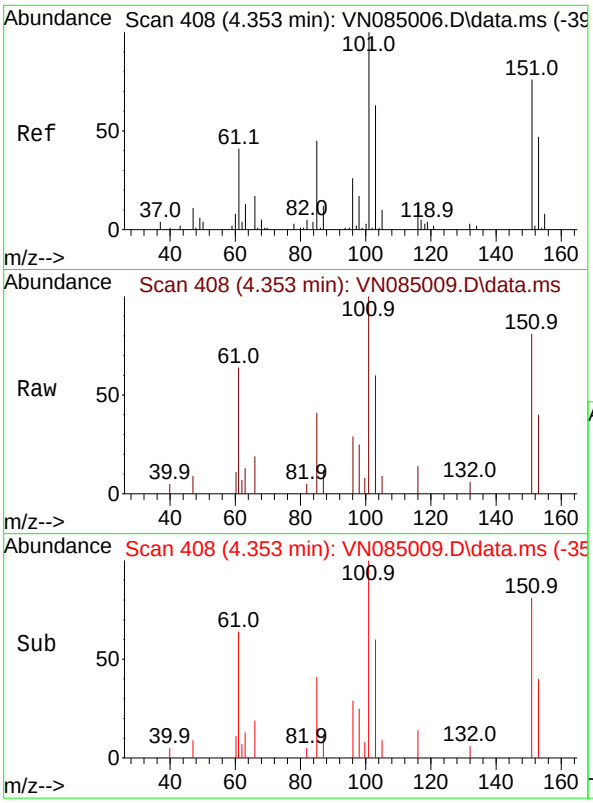


#8
Diethyl Ether
Concen: 5.050 ug/l
RT: 3.947 min Scan# 339
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 74 Resp: 5696

Ion	Ratio	Lower	Upper
74	100		
45	97.8	46.7	140.1



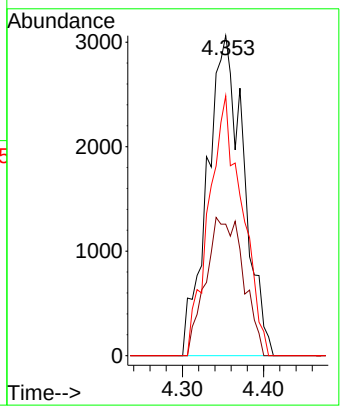


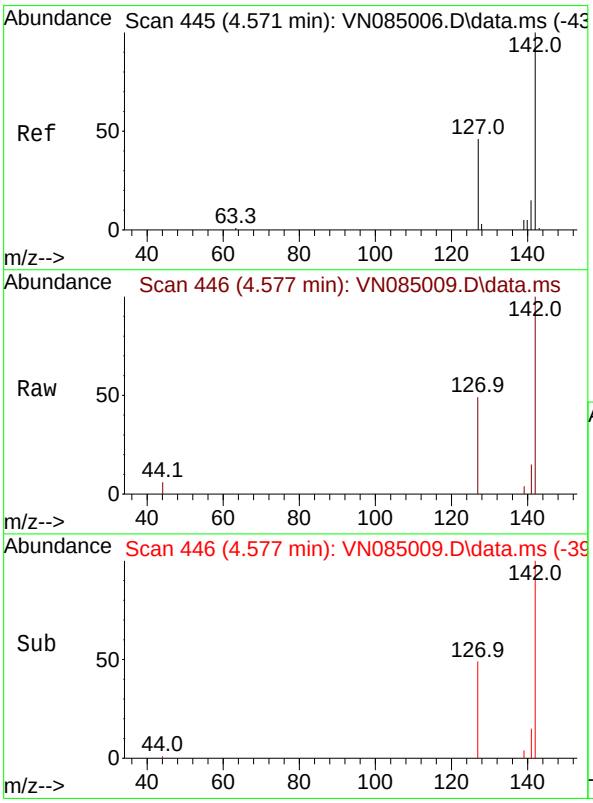
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.064 ug/l
RT: 4.353 min Scan# 4(
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 9518

Ion	Ratio	Lower	Upper
101	100		
85	44.7	36.9	55.3
151	74.5	60.8	91.2

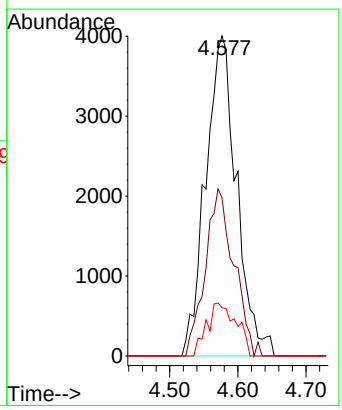


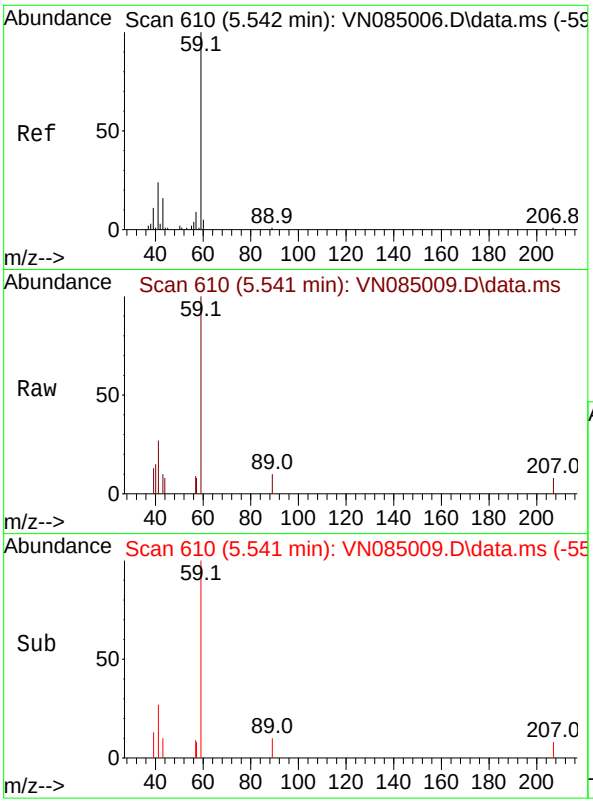


#10
Methyl Iodide
Concen: 5.077 ug/l
RT: 4.577 min Scan# 446
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:142 Resp: 12631

Ion	Ratio	Lower	Upper
142	100		
127	49.4	36.6	54.8
141	15.0	12.2	18.4



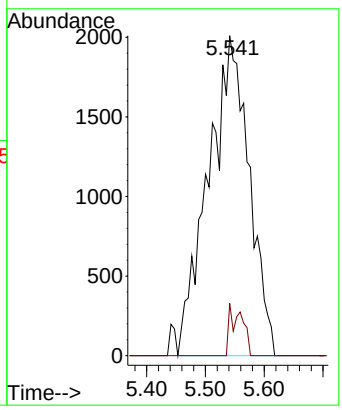


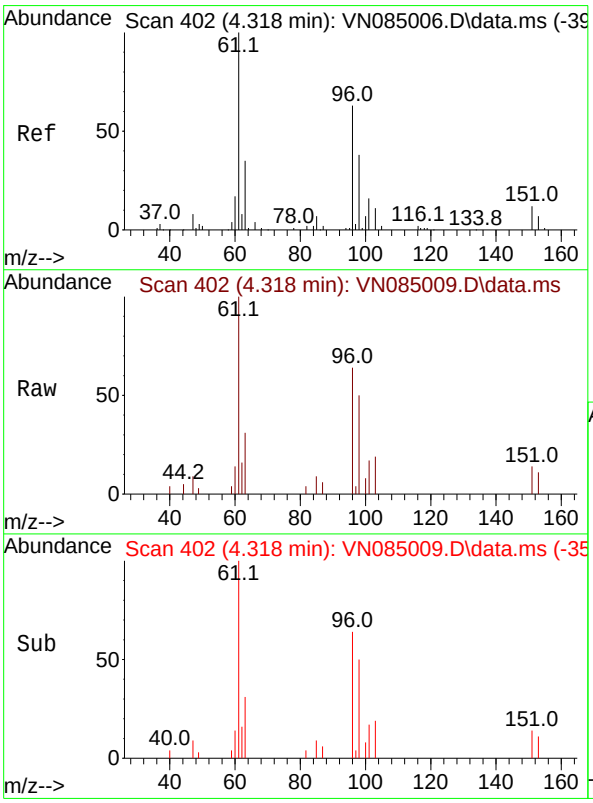
#11
Tert butyl alcohol
Concen: 30.780 ug/l
RT: 5.541 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 9684

Ion	Ratio	Lower	Upper
59	100		
57	5.0	7.4	11.0#

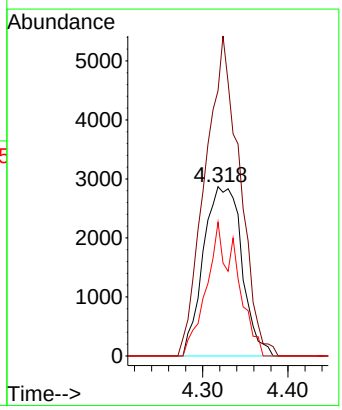


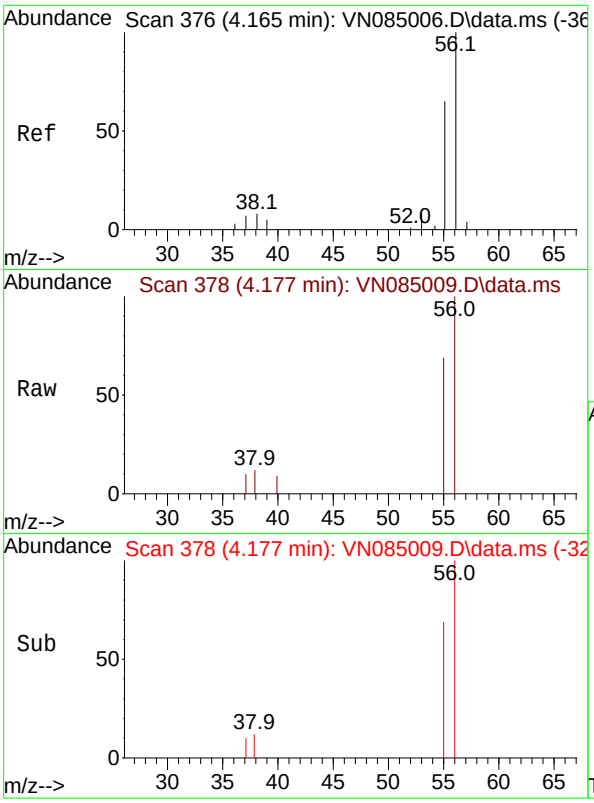


#12
1,1-Dichloroethene
Concen: 5.117 ug/l
RT: 4.318 min Scan# 402
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 96 Resp: 8977

Ion	Ratio	Lower	Upper
96	100		
61	156.7	127.8	191.8
98	79.1	49.2	73.8#



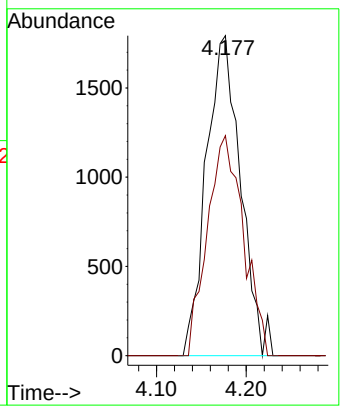


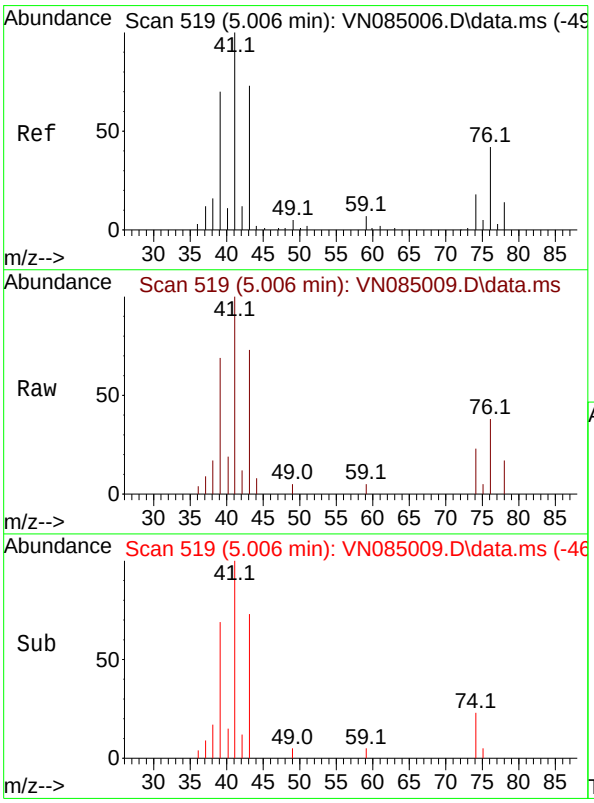
#13
Acrolein
Concen: 22.602 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.011 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 4745

Ion	Ratio	Lower	Upper
56	100		
55	72.5	54.5	81.7

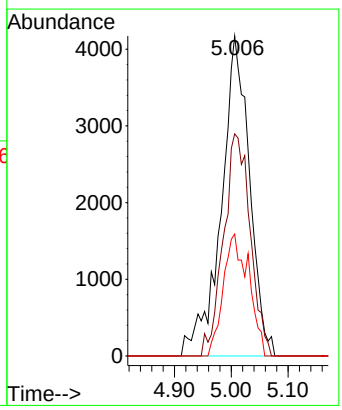


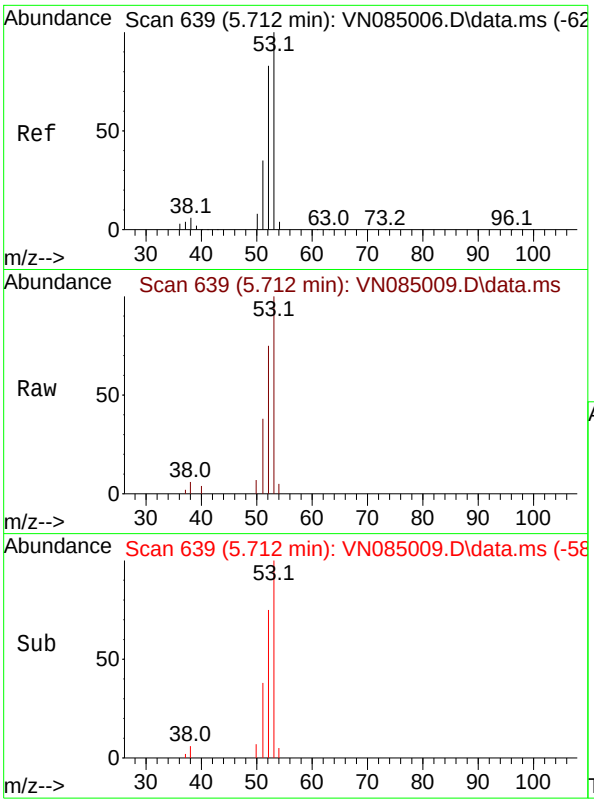


#14
Allyl chloride
Concen: 4.882 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 41 Resp: 14439

Ion	Ratio	Lower	Upper
41	100		
39	65.5	53.8	80.8
76	34.3	29.3	43.9



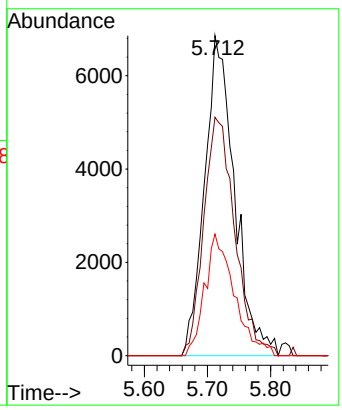


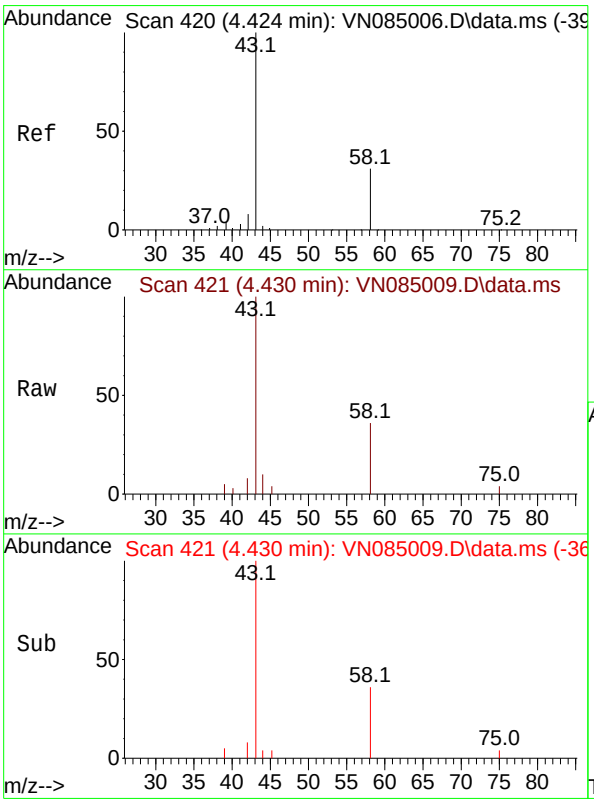
#15
Acrylonitrile
Concen: 25.403 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 22627

Ion	Ratio	Lower	Upper
53	100		
52	77.5	65.5	98.3
51	37.5	28.4	42.6

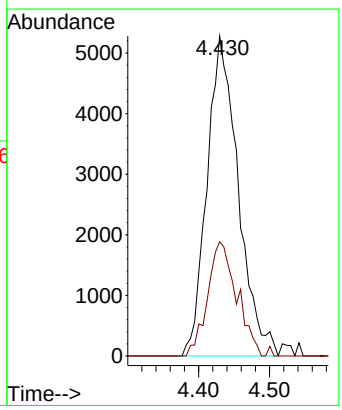


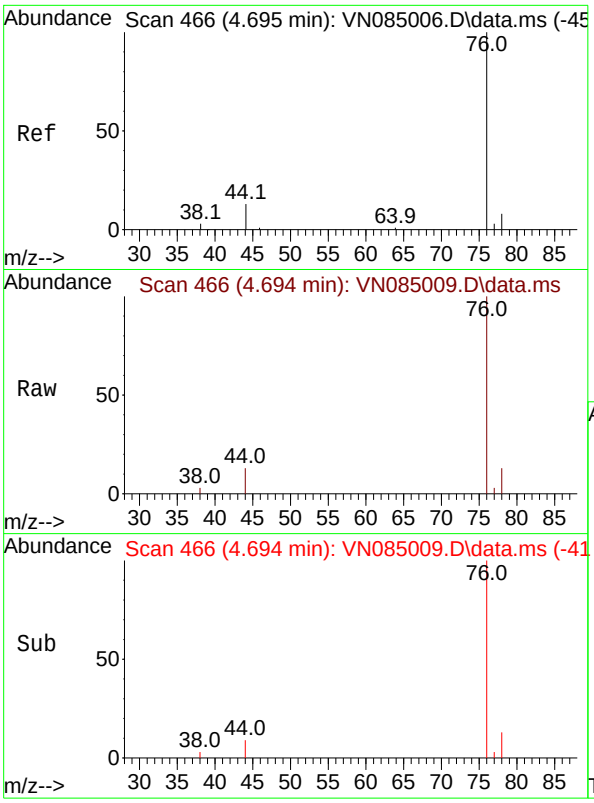


#16
Acetone
Concen: 23.525 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 43 Resp: 16131

Ion	Ratio	Lower	Upper
43	100		
58	35.7	25.4	38.2



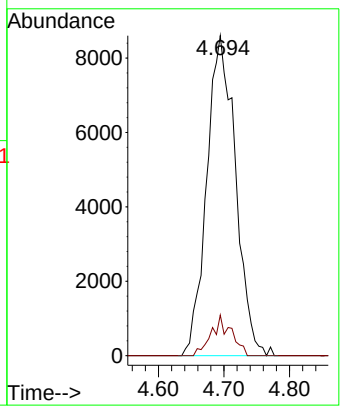


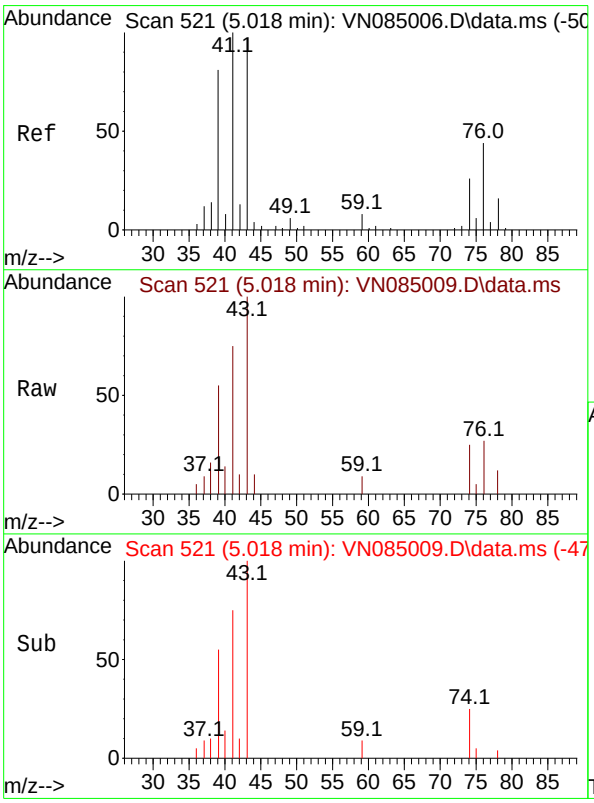
#17
Carbon Disulfide
Concen: 5.074 ug/l
RT: 4.694 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 26272

Ion	Ratio	Lower	Upper
76	100		
78	12.7	6.5	9.7#

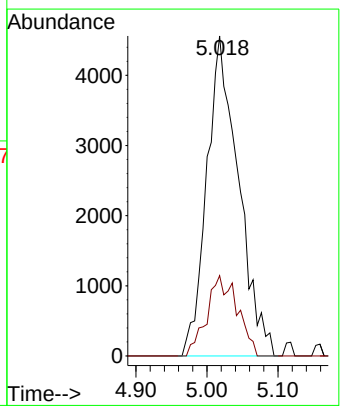


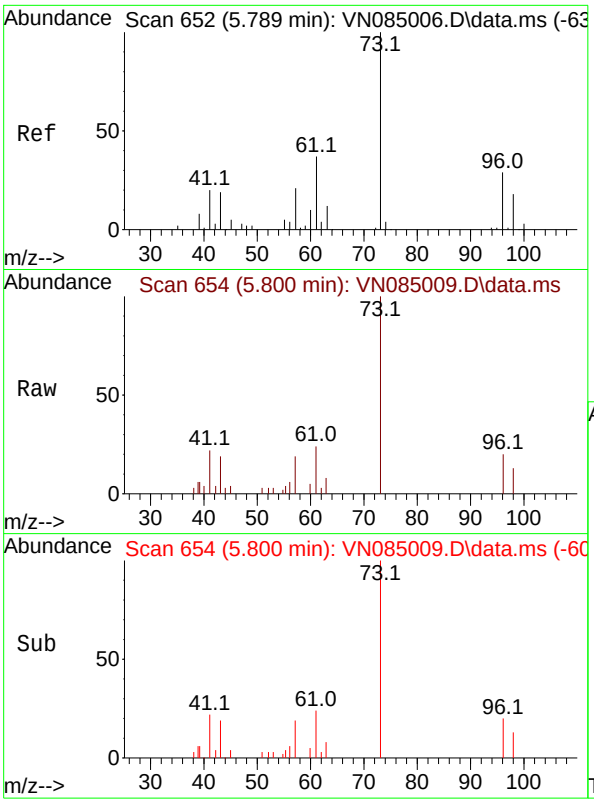


#18
Methyl Acetate
Concen: 5.429 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 43 Resp: 14139

Ion	Ratio	Lower	Upper
43	100		
74	24.2	20.1	30.1



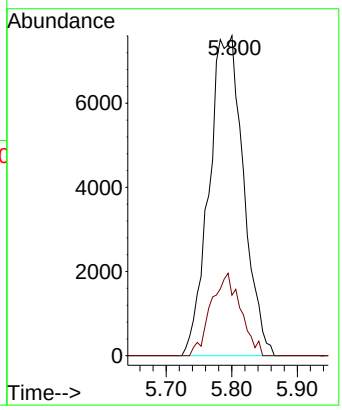


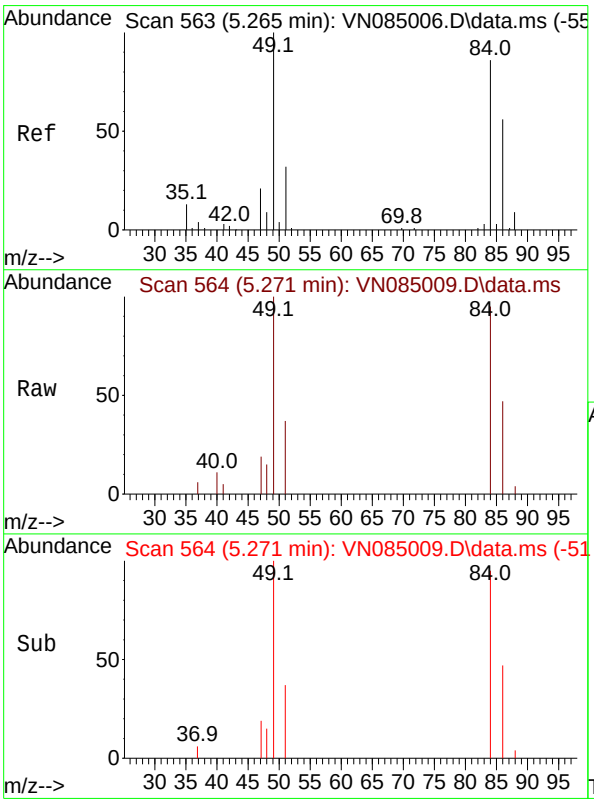
#19
Methyl tert-butyl Ether
Concen: 4.829 ug/l
RT: 5.800 min Scan# 6
Delta R.T. 0.011 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 27679

Ion	Ratio	Lower	Upper
73	100		
57	18.9	17.0	25.4

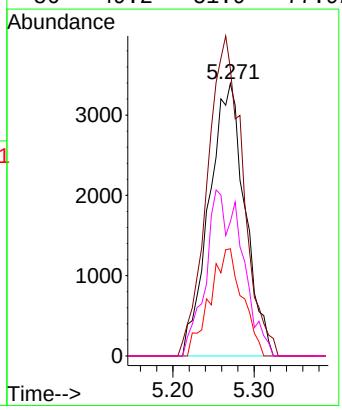


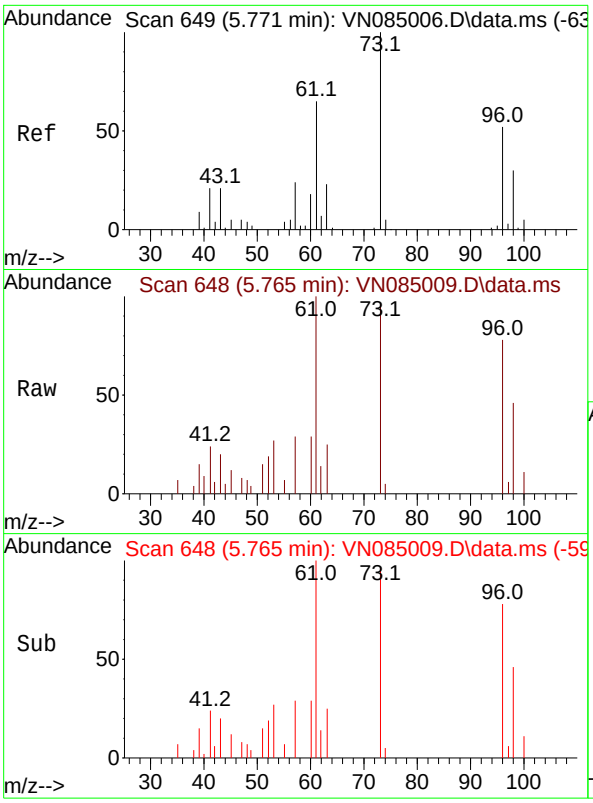


#20
Methylene Chloride
Concen: 4.975 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 84 Resp: 10410

Ion	Ratio	Lower	Upper
84	100		
49	105.4	92.7	139.1
51	39.4	29.4	44.2
86	49.2	51.9	77.9#



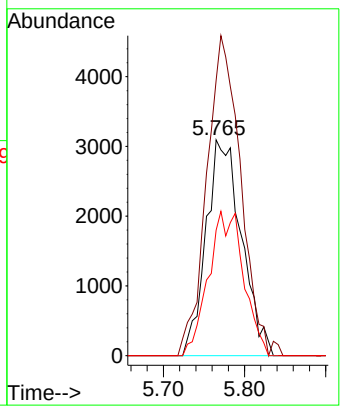


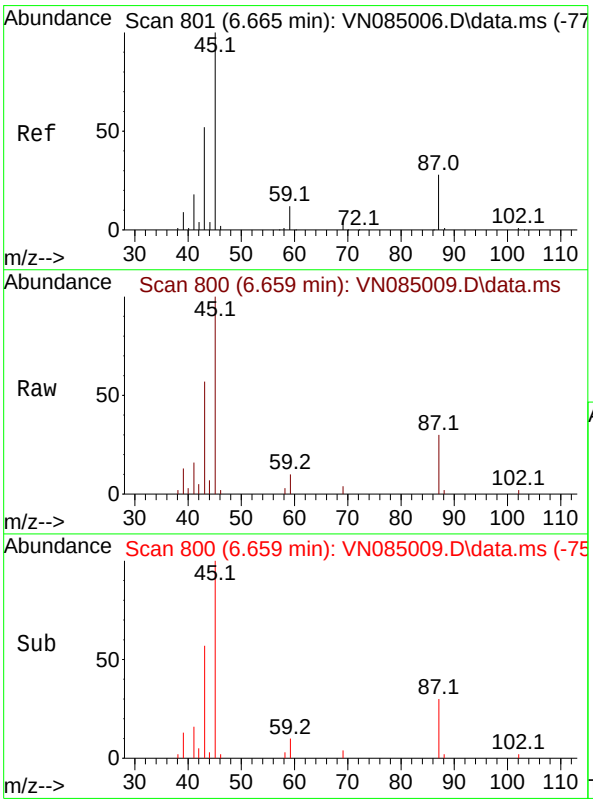
#21
trans-1,2-Dichloroethene
Concen: 5.085 ug/l
RT: 5.765 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 9388

Ion	Ratio	Lower	Upper
96	100		
61	127.5	100.7	151.1
98	58.1	45.8	68.6

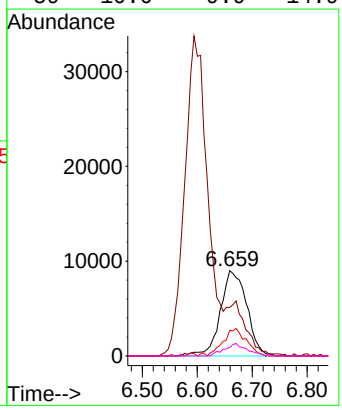


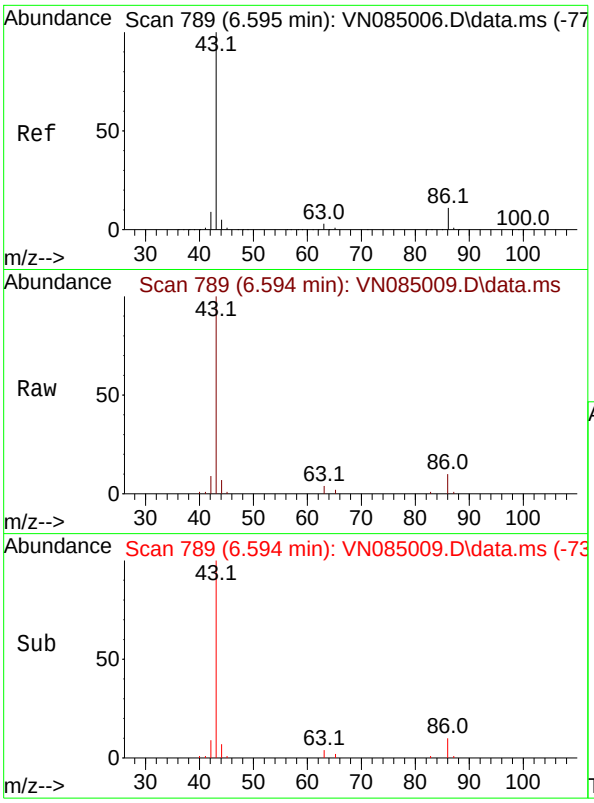


#22
Diisopropyl ether
Concen: 5.043 ug/l
RT: 6.659 min Scan# 800
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 45 Resp: 30018

Ion	Ratio	Lower	Upper
45	100		
43	54.4	42.7	64.1
87	29.9	22.6	34.0
59	10.0	9.9	14.9



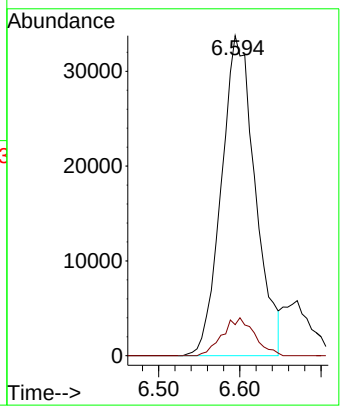


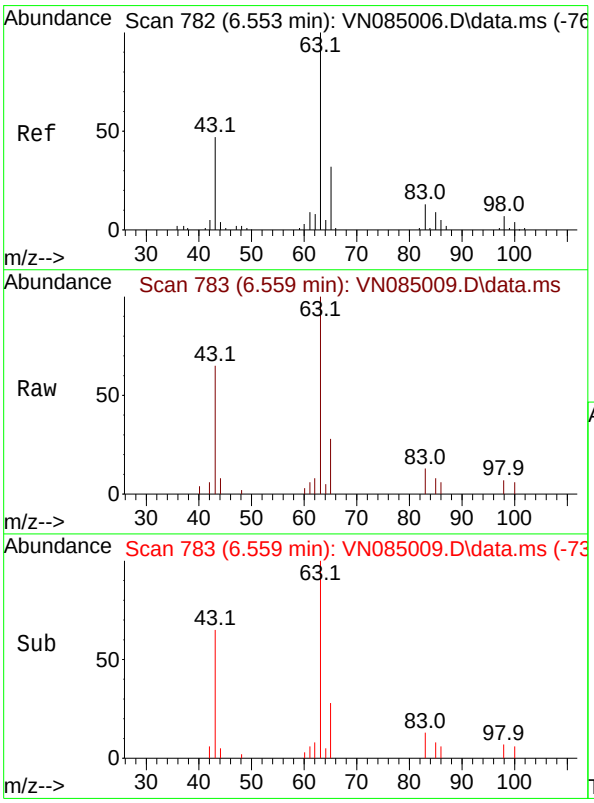
#23
Vinyl Acetate
Concen: 23.745 ug/l
RT: 6.594 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 97507

Ion	Ratio	Lower	Upper
43	100		
86	9.7	8.9	13.3

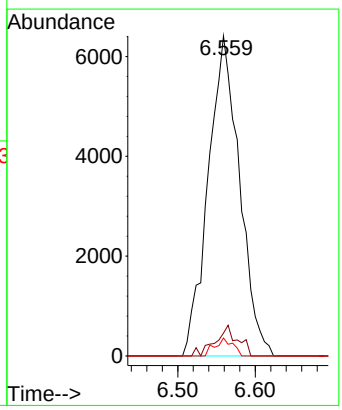


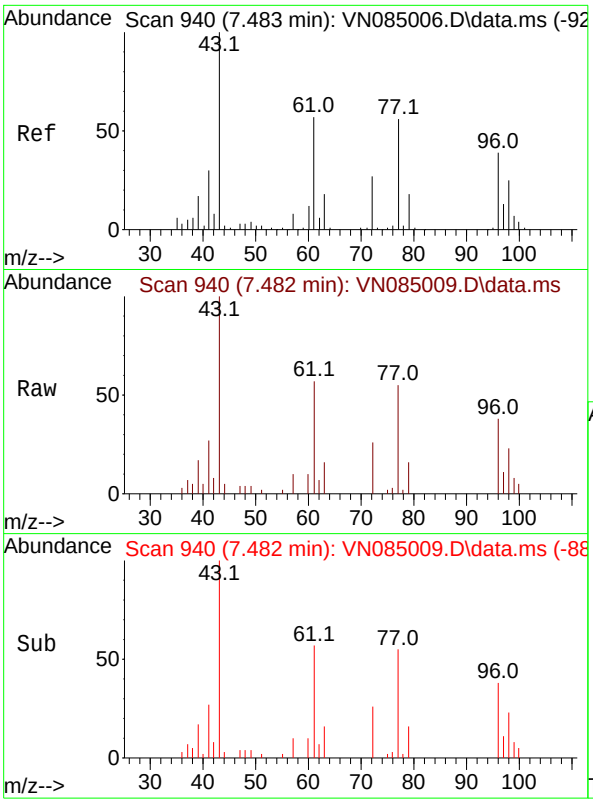


#24
1,1-Dichloroethane
Concen: 5.066 ug/l
RT: 6.559 min Scan# 783
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 63 Resp: 18044

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.3	9.8
100	5.6	2.2	6.6



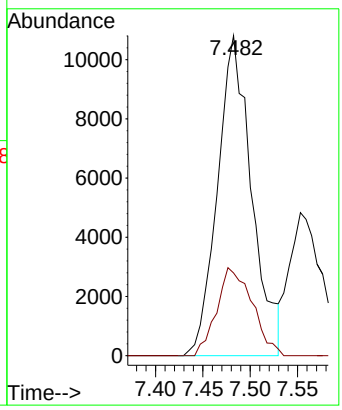


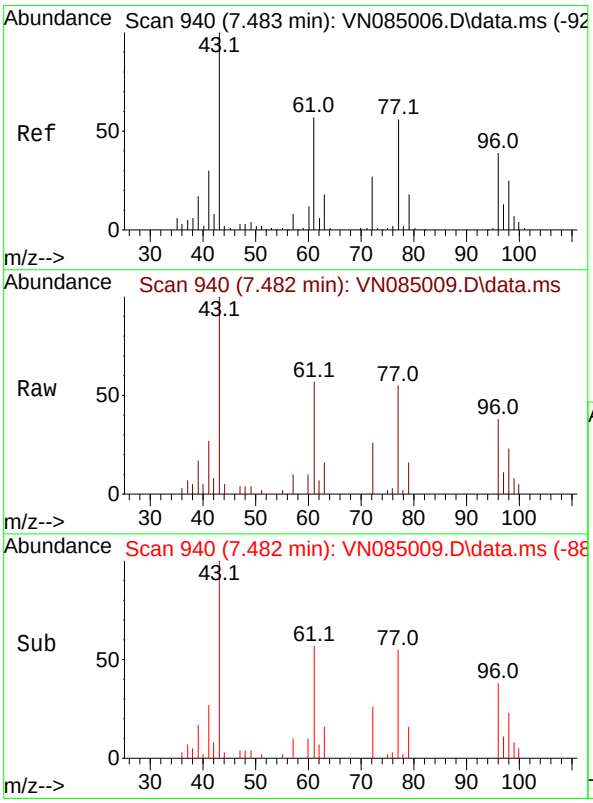
#25
2-Butanone
Concen: 24.174 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 27100

Ion	Ratio	Lower	Upper
43	100		
72	25.9	21.4	32.0

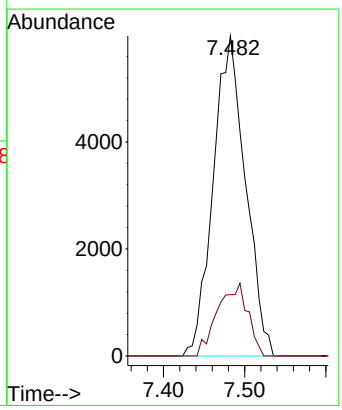


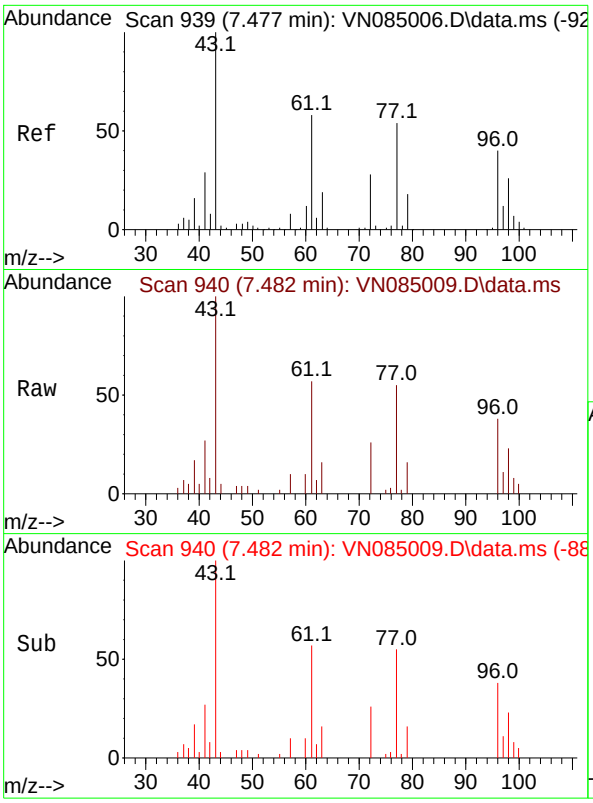


#26
2,2-Dichloropropane
Concen: 4.968 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 77 Resp: 16525

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.9	32.7



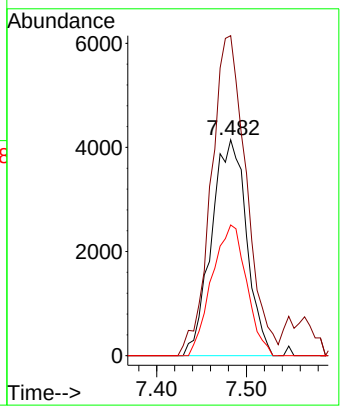


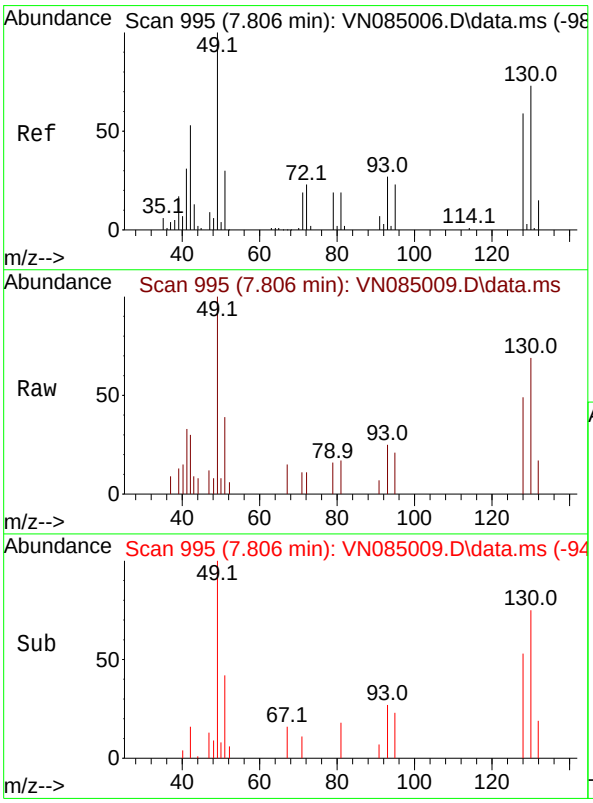
#27
cis-1,2-Dichloroethene
Concen: 5.055 ug/l
RT: 7.482 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 11250

Ion	Ratio	Lower	Upper
96	100		
61	148.7	0.0	291.6
98	59.8	0.0	129.8

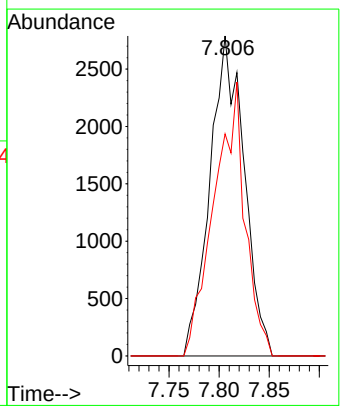


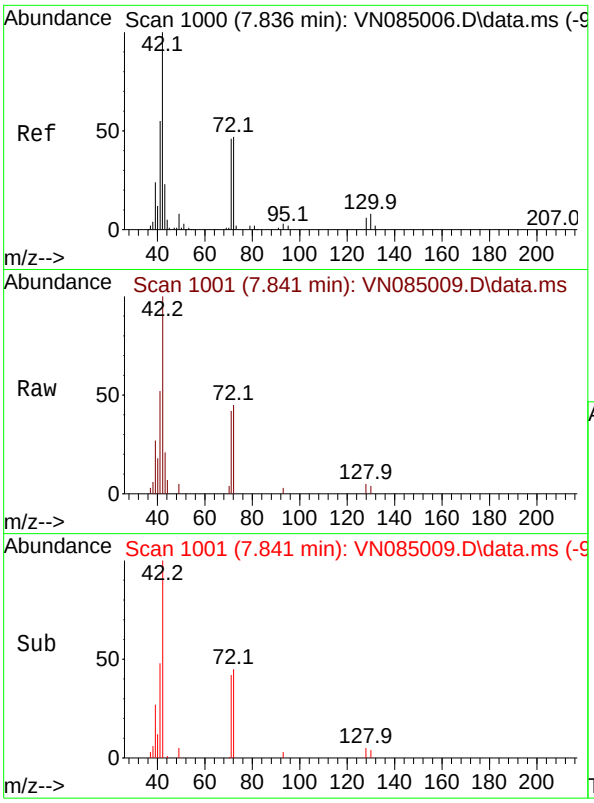


#28
Bromochloromethane
Concen: 4.903 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 49 Resp: 6592

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	77.4	60.6	90.8



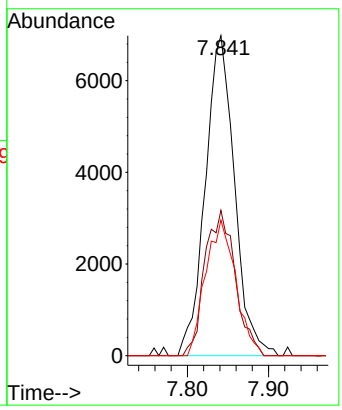


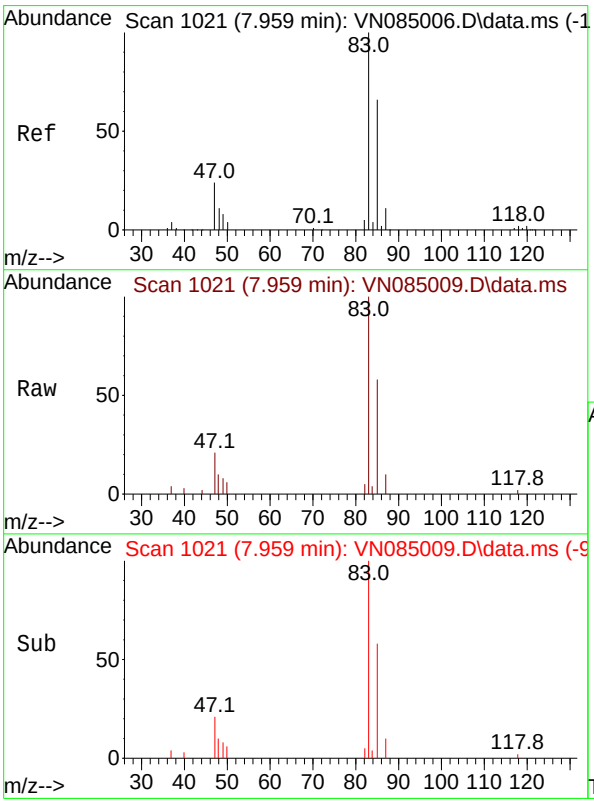
#29
Tetrahydrofuran
Concen: 25.104 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 17501

Ion	Ratio	Lower	Upper
42	100		
72	47.1	37.0	55.4
71	43.6	35.0	52.4

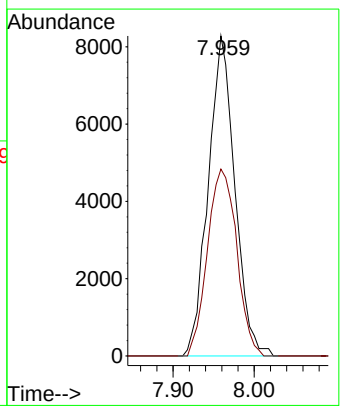


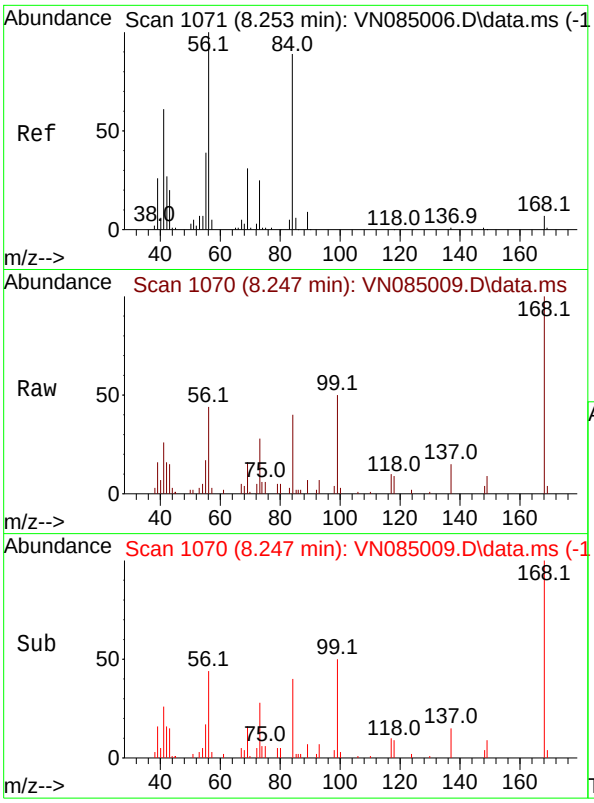


#30
Chloroform
Concen: 4.971 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 83 Resp: 18837

Ion	Ratio	Lower	Upper
83	100		
85	58.4	52.6	78.8



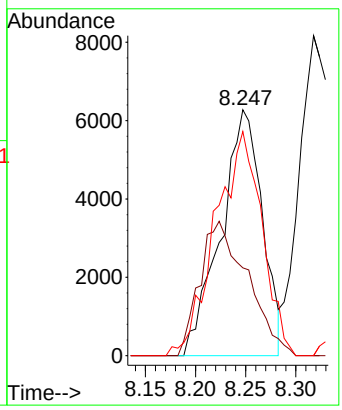


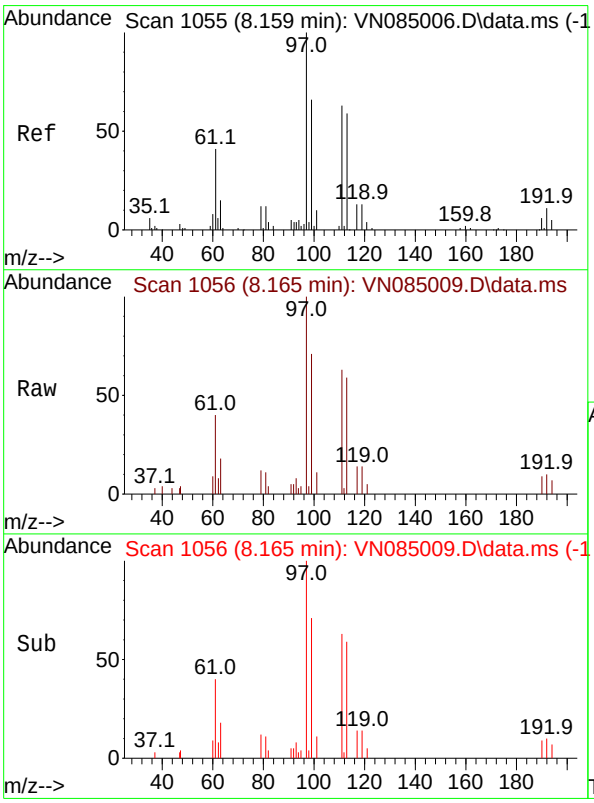
#31
Cyclohexane
Concen: 5.751 ug/l
RT: 8.247 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 18036

Ion	Ratio	Lower	Upper
56	100		
69	35.7	24.6	36.8
84	88.0	71.4	107.2

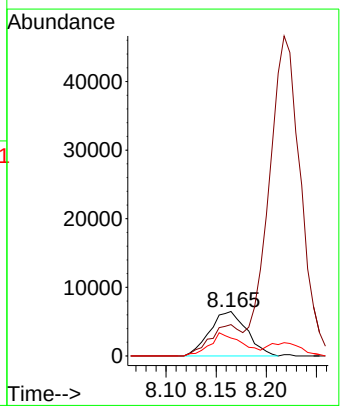


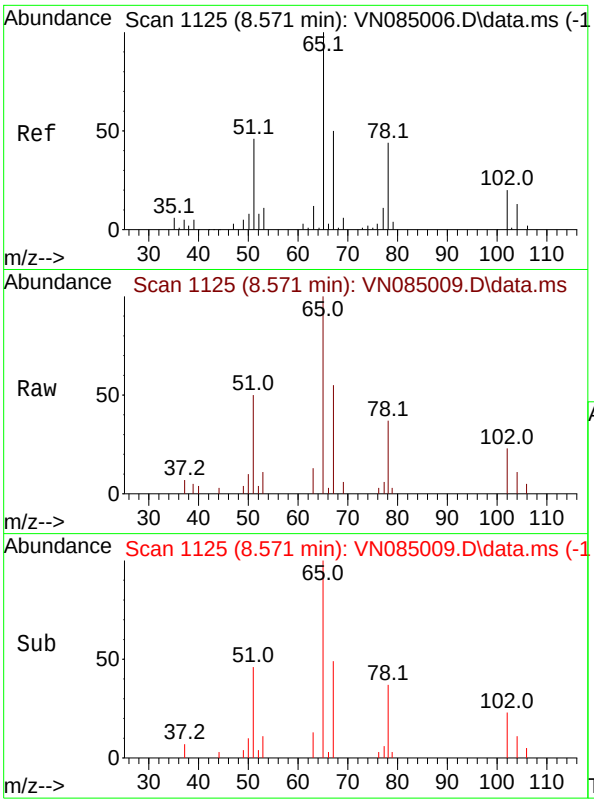


#32
1,1,1-Trichloroethane
Concen: 4.851 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 97 Resp: 16611

Ion	Ratio	Lower	Upper
97	100		
99	59.1	51.0	76.4
61	45.2	36.2	54.2



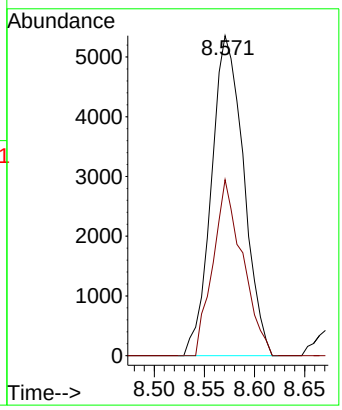


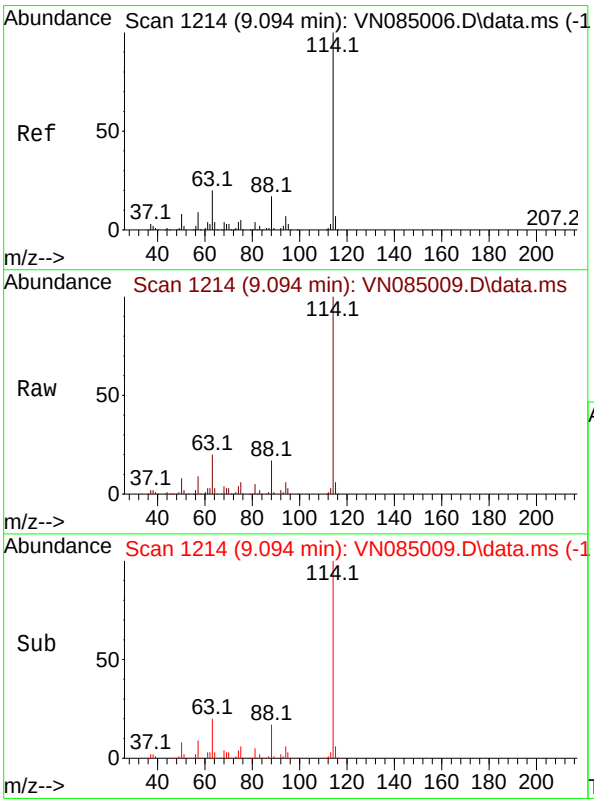
#33
1,2-Dichloroethane-d4
Concen: 5.087 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 11977

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	105.0

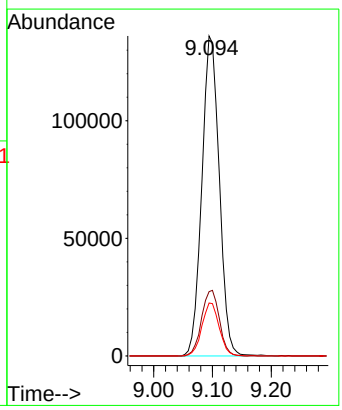


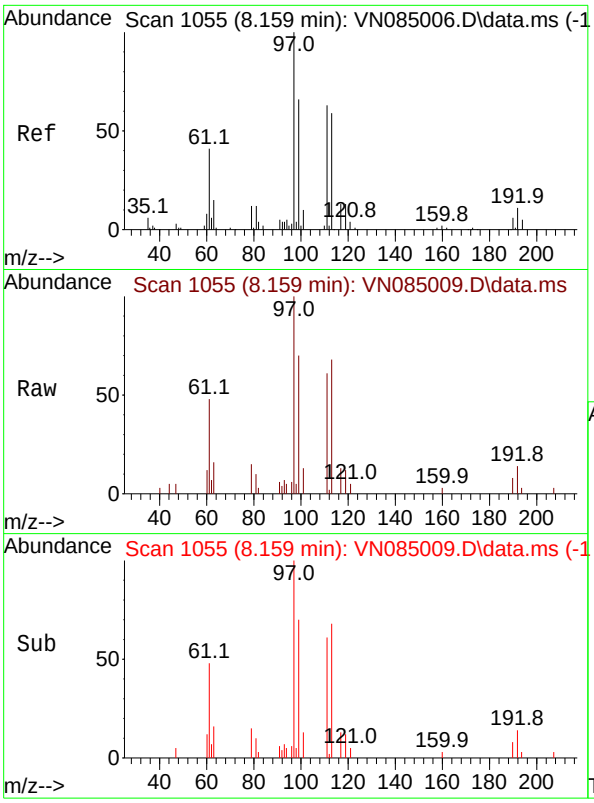


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:114 Resp: 280025

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	41.0
88	16.6	0.0	34.8



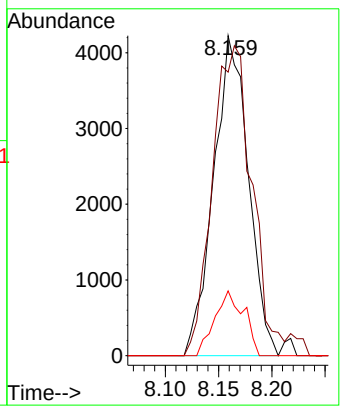


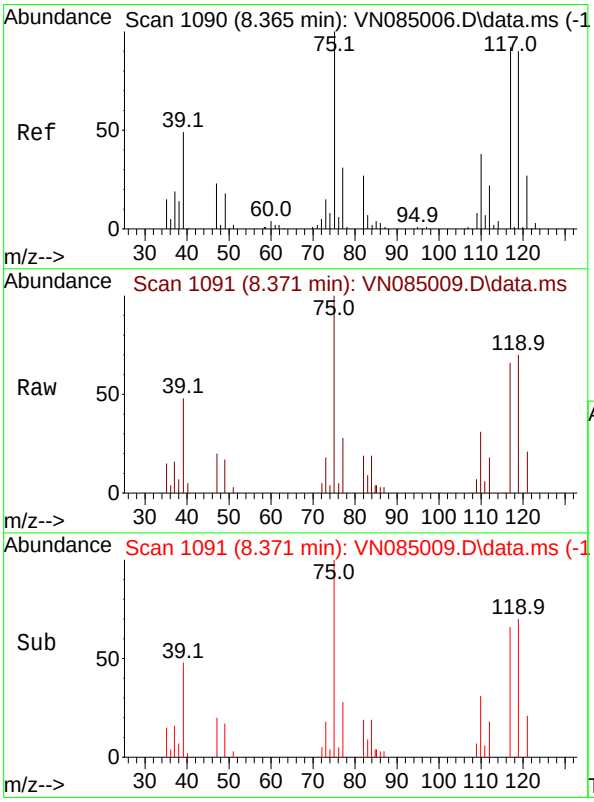
#35
Dibromofluoromethane
Concen: 5.082 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 9597

Ion	Ratio	Lower	Upper
113	100		
111	109.7	82.0	123.0
192	17.0	14.8	22.2

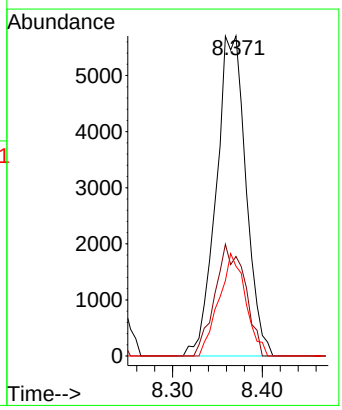


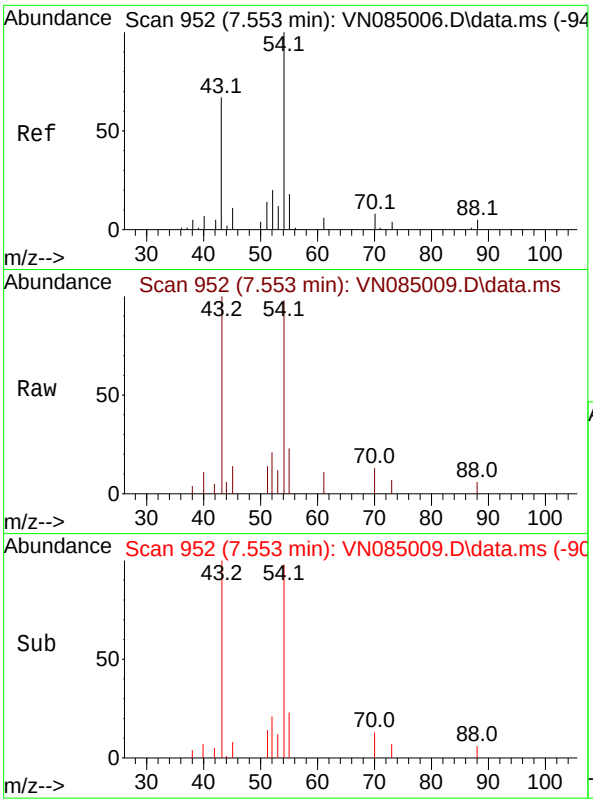


#36
1,1-Dichloropropene
Concen: 5.140 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 75 Resp: 13147

Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.2	51.6
77	28.9	24.2	36.4



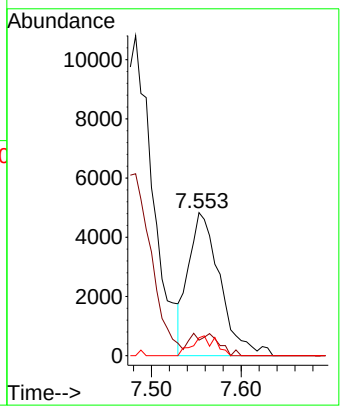


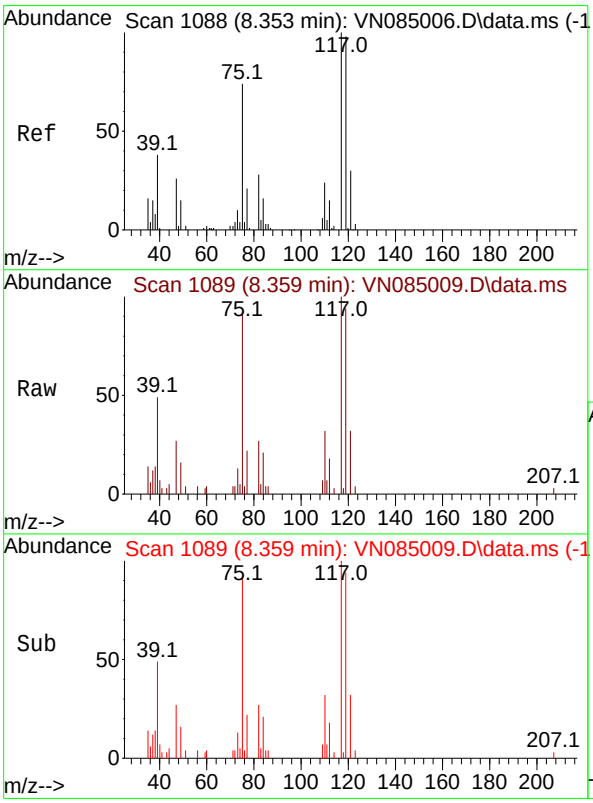
#37
Ethyl Acetate
Concen: 5.114 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 11891

Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.7	17.5#
70	10.4	9.3	13.9

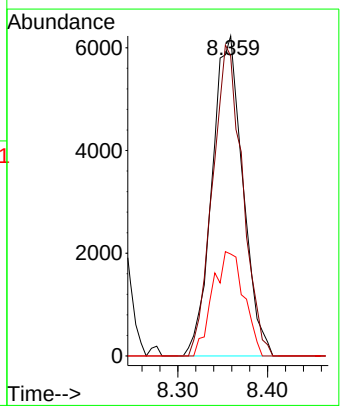


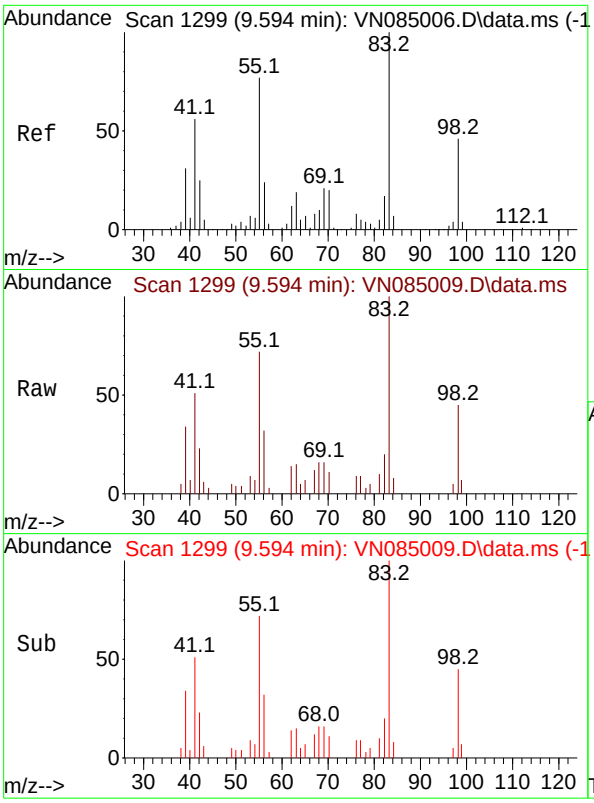


#38
Carbon Tetrachloride
Concen: 5.022 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:117 Resp: 14827

Ion	Ratio	Lower	Upper
117	100		
119	93.7	78.6	117.8
121	31.8	24.2	36.2



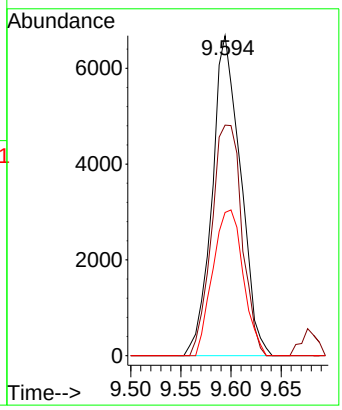


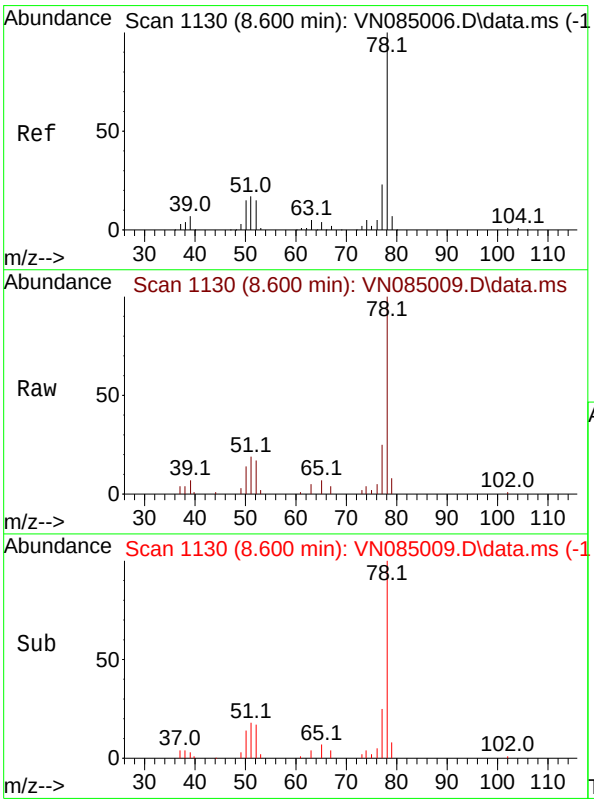
#39
Methylcyclohexane
Concen: 4.945 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 13143

Ion	Ratio	Lower	Upper
83	100		
55	72.1	61.8	92.6
98	44.8	37.0	55.6

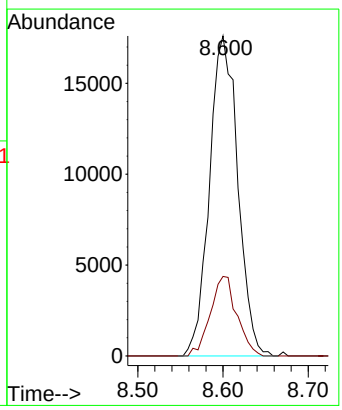


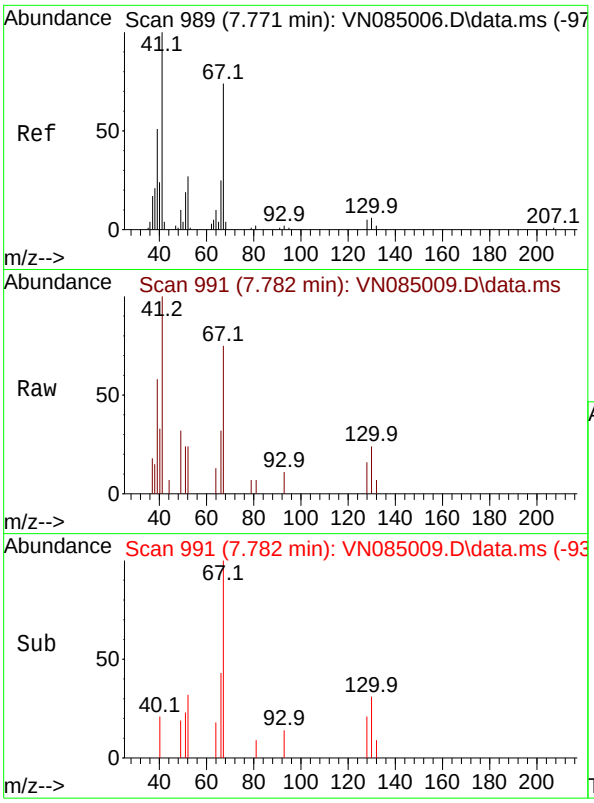


#40
Benzene
Concen: 5.026 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 78 Resp: 40657

Ion	Ratio	Lower	Upper
78	100		
77	24.8	18.5	27.7



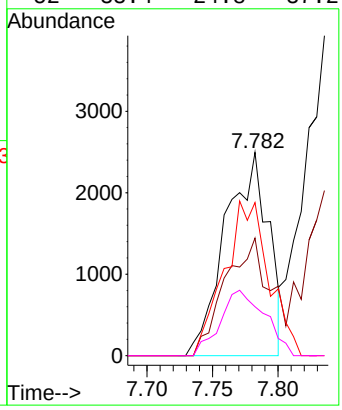


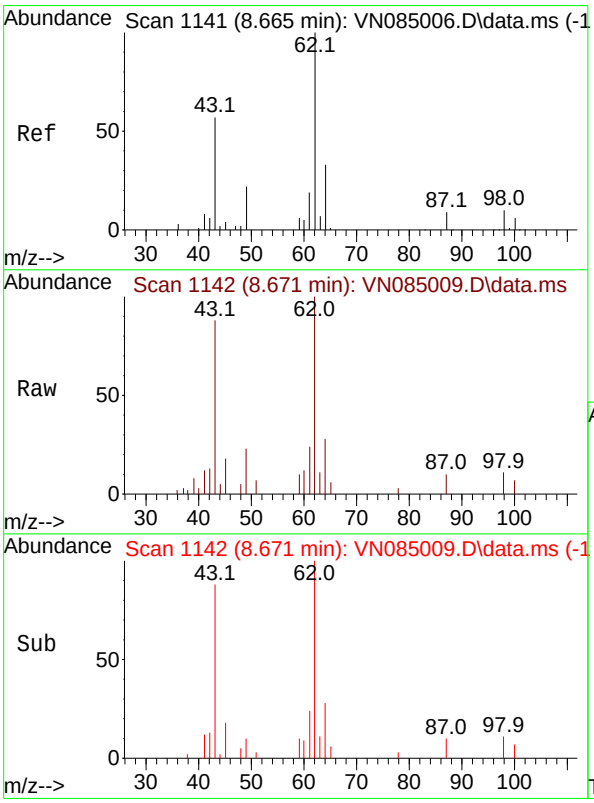
#41
Methacrylonitrile
Concen: 4.417 ug/l
RT: 7.782 min Scan# 9
Delta R.T. 0.011 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 5687

Ion	Ratio	Lower	Upper
41	100		
39	60.9	42.6	63.8
67	78.7	59.9	89.9
52	33.4	24.8	37.2

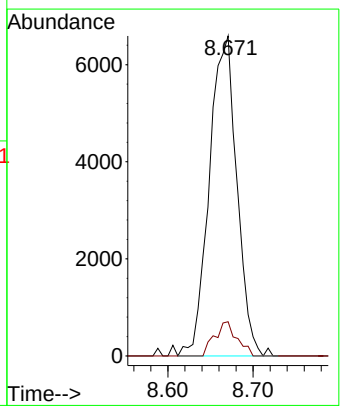


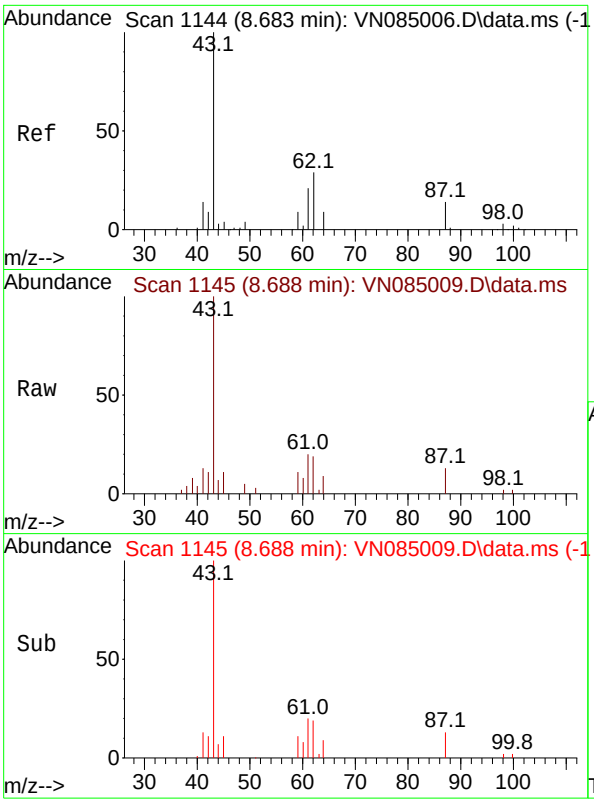


#42
1,2-Dichloroethane
Concen: 5.356 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 62 Resp: 14824

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.2



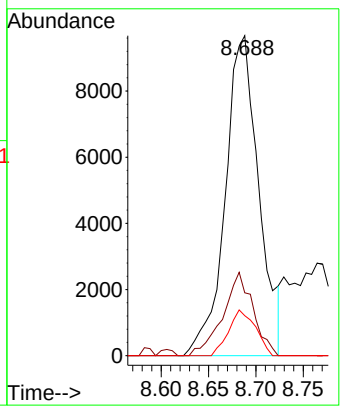


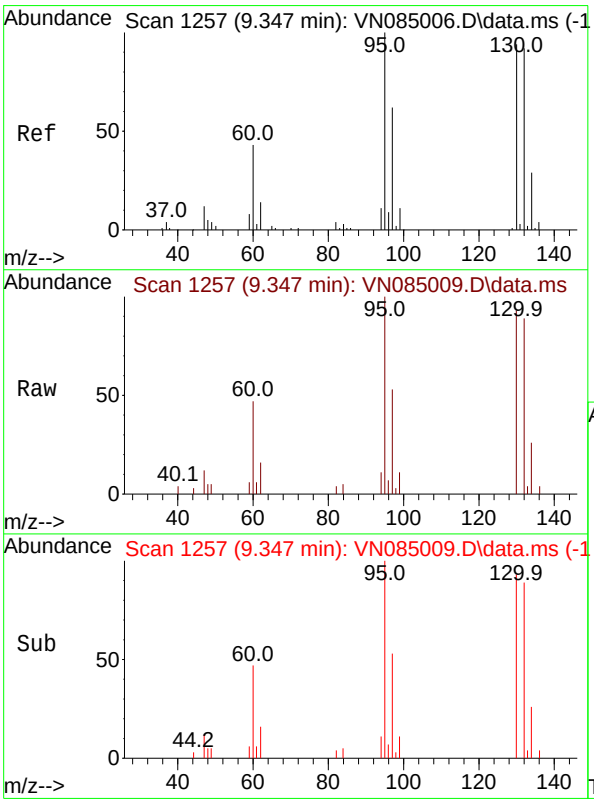
#43
Isopropyl Acetate
Concen: 4.947 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 23894

Ion	Ratio	Lower	Upper
43	100		
61	23.4	20.6	30.8
87	11.4	11.0	16.4

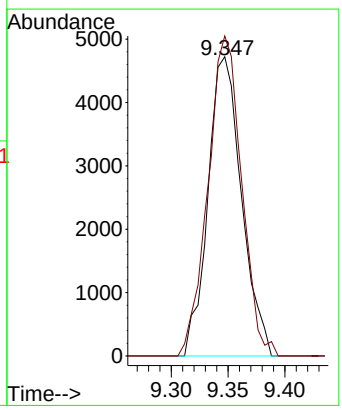


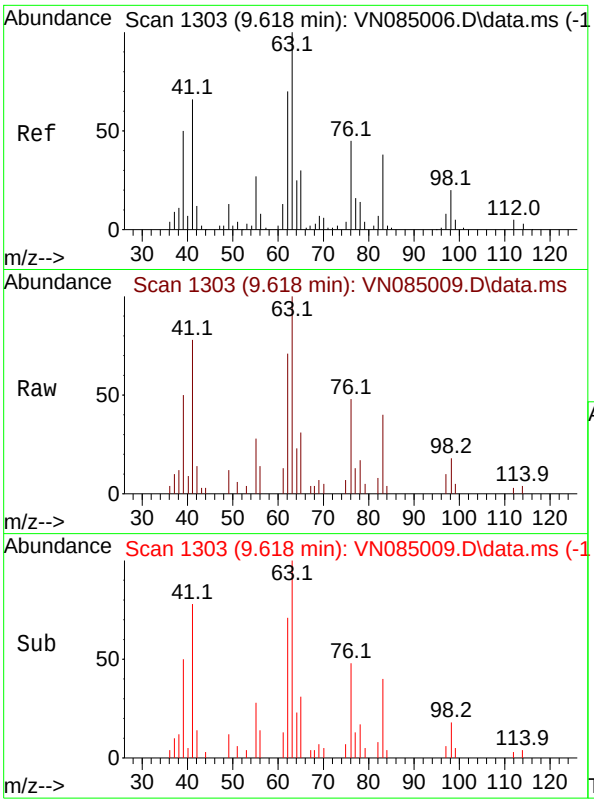


#44
Trichloroethene
Concen: 5.165 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:130 Resp: 9711

Ion	Ratio	Lower	Upper
130	100		
95	107.0	0.0	213.4



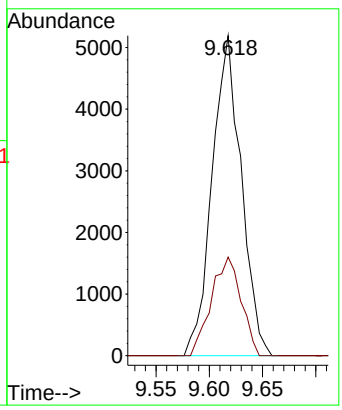


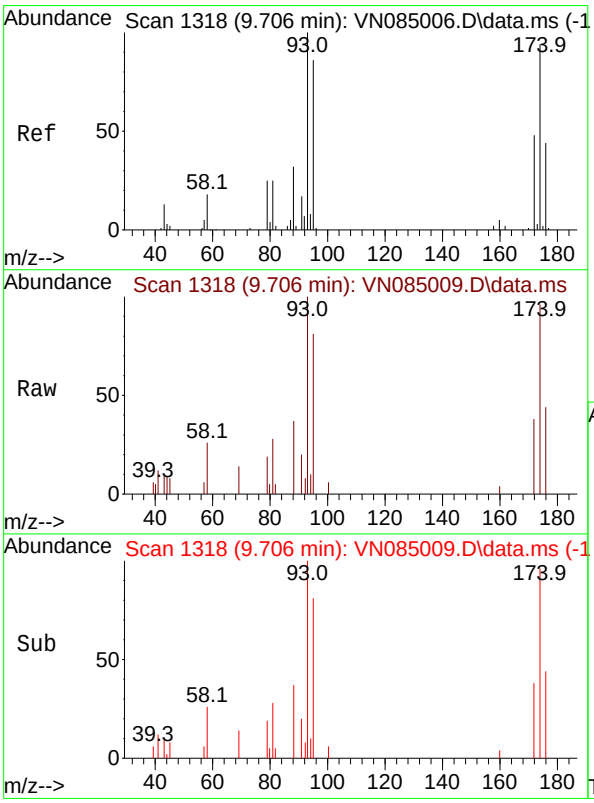
#45
1,2-Dichloropropane
Concen: 4.948 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 9859

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.0	36.0

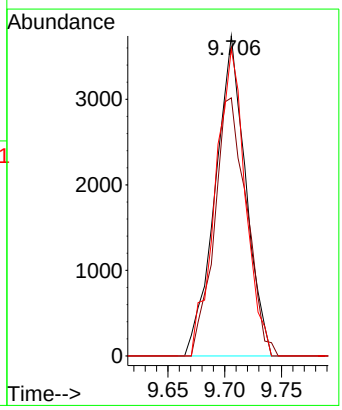


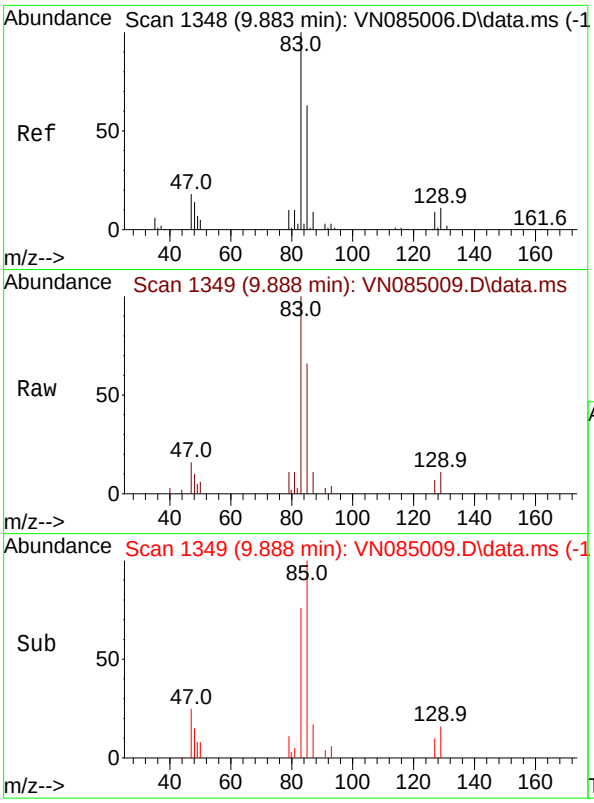


#46
Dibromomethane
Concen: 5.028 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 93 Resp: 6962

Ion	Ratio	Lower	Upper
93	100		
95	85.5	66.2	99.4
174	94.3	74.9	112.3



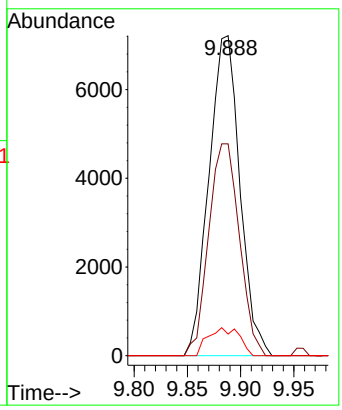


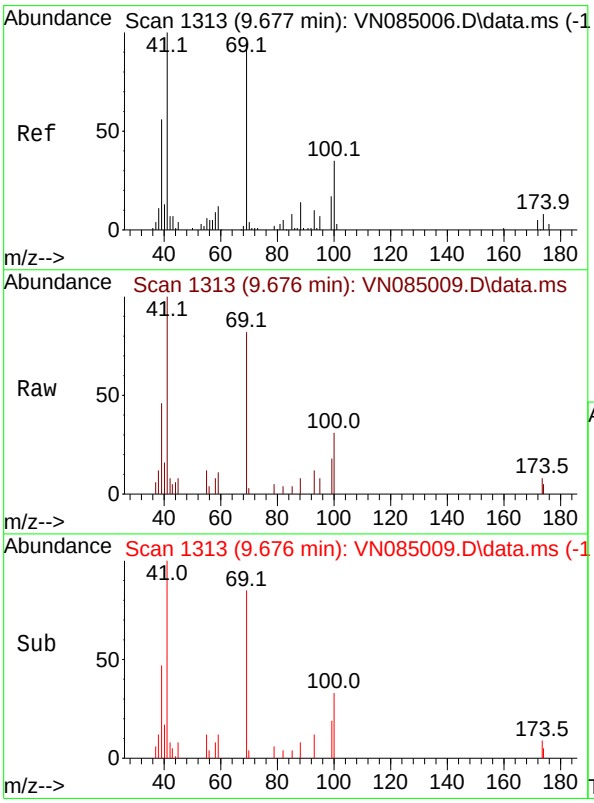
#47
Bromodichloromethane
Concen: 4.962 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 14562

Ion	Ratio	Lower	Upper
83	100		
85	66.2	50.5	75.7
127	6.8	7.1	10.7#

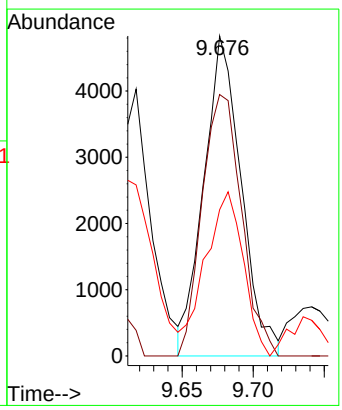


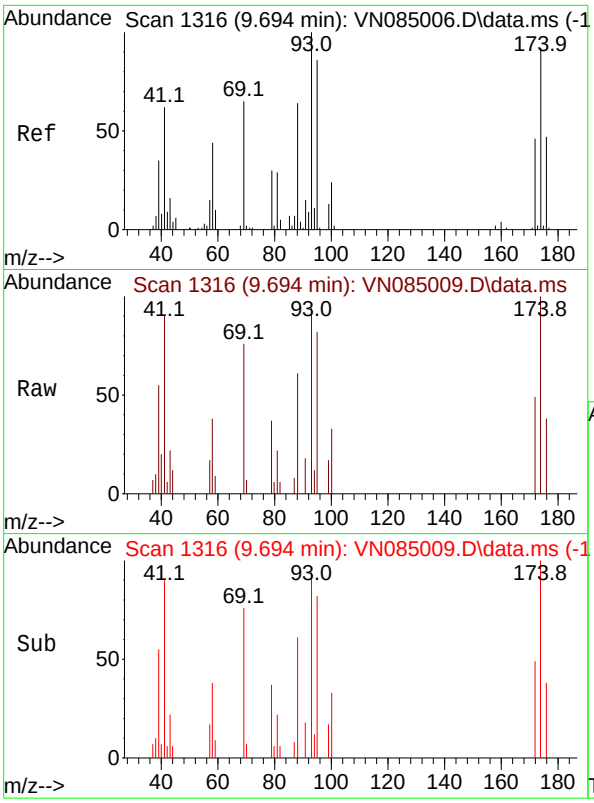


#48
Methyl methacrylate
Concen: 4.918 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 41 Resp: 8840

Ion	Ratio	Lower	Upper
41	100		
69	86.1	73.2	109.8
39	52.3	46.2	69.4



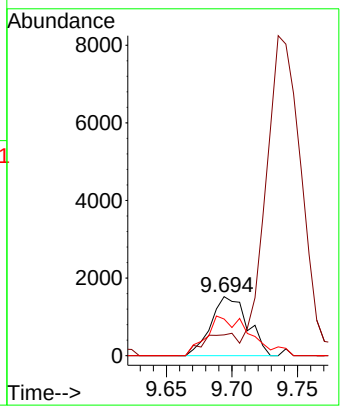


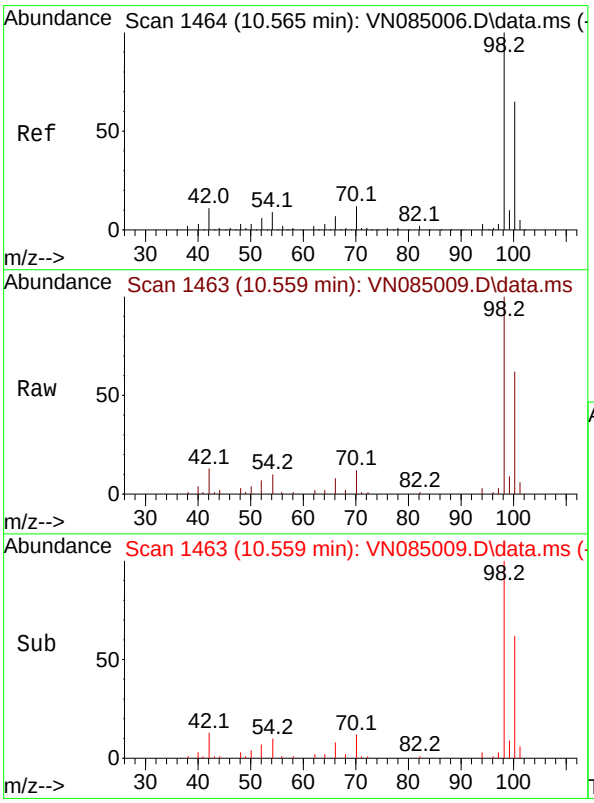
#49
1,4-Dioxane
Concen: 94.738 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 2953

Ion	Ratio	Lower	Upper
88	100		
43	35.6	16.7	25.1#
58	80.8	56.5	84.7

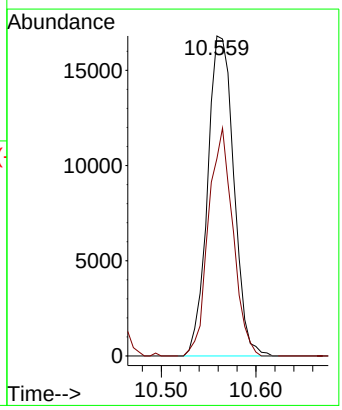


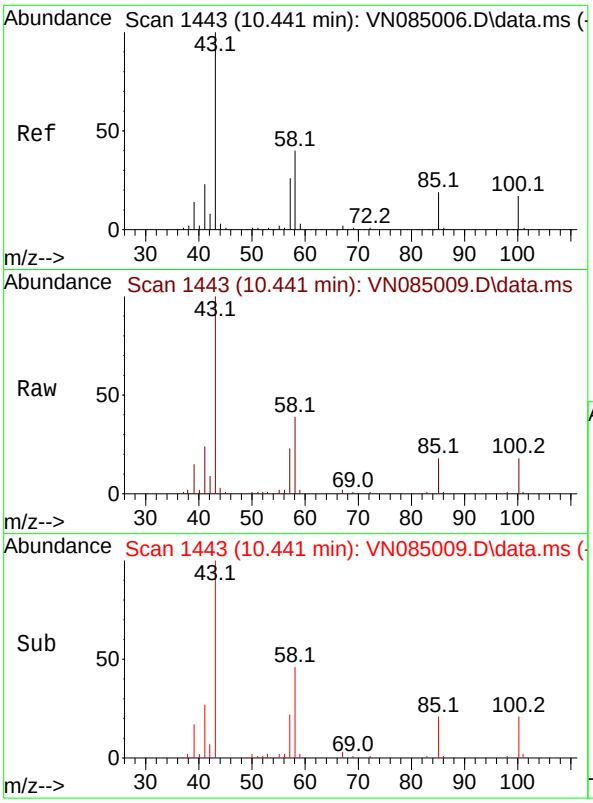


#50
Toluene-d8
Concen: 4.775 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 98 Resp: 32318

Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.5	78.7



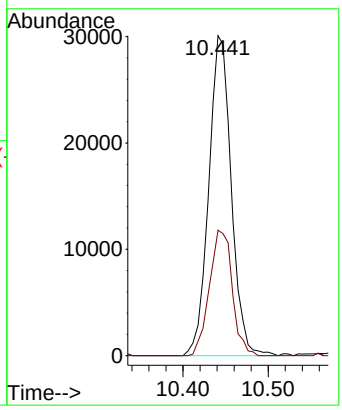


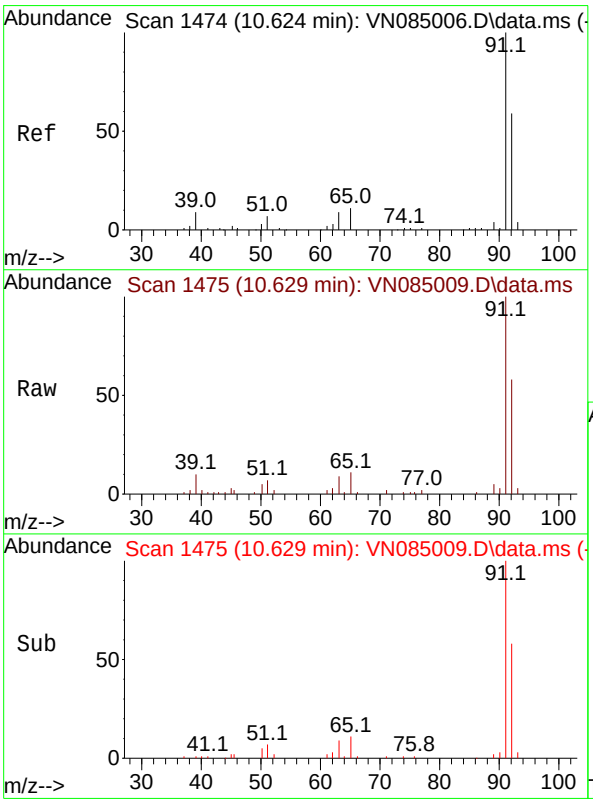
#51
4-Methyl-2-Pentanone
Concen: 25.010 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 55176

Ion	Ratio	Lower	Upper
43	100		
58	39.8	32.1	48.1

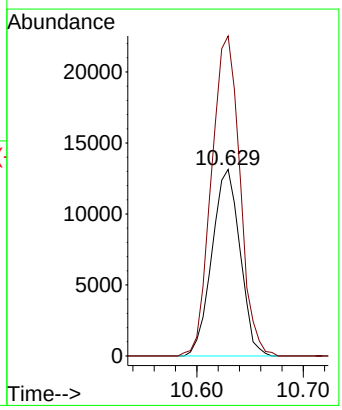


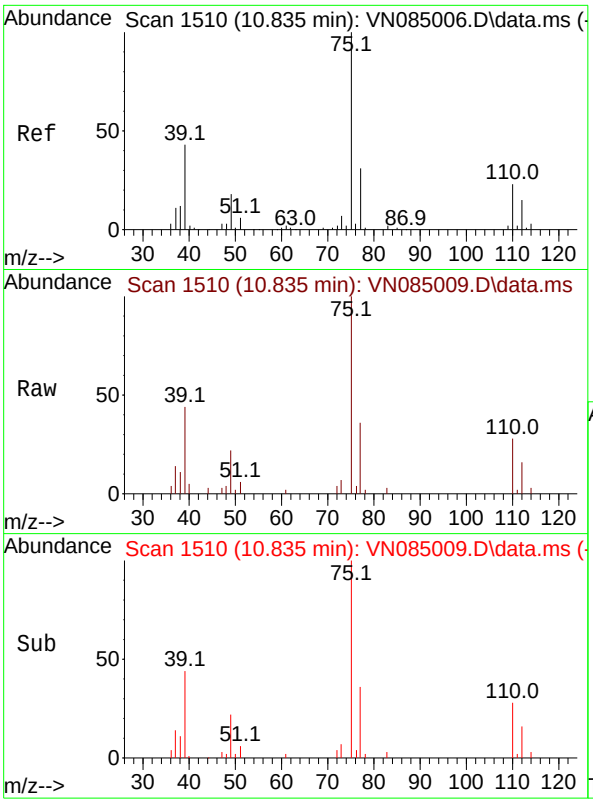


#52
Toluene
Concen: 5.022 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 92 Resp: 24051

Ion	Ratio	Lower	Upper
92	100		
91	173.6	136.7	205.1



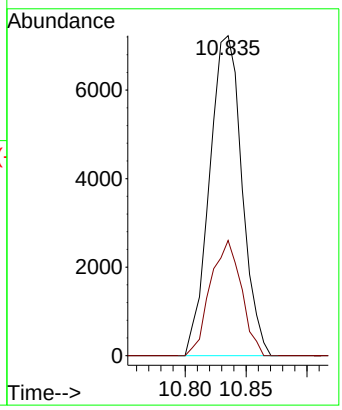


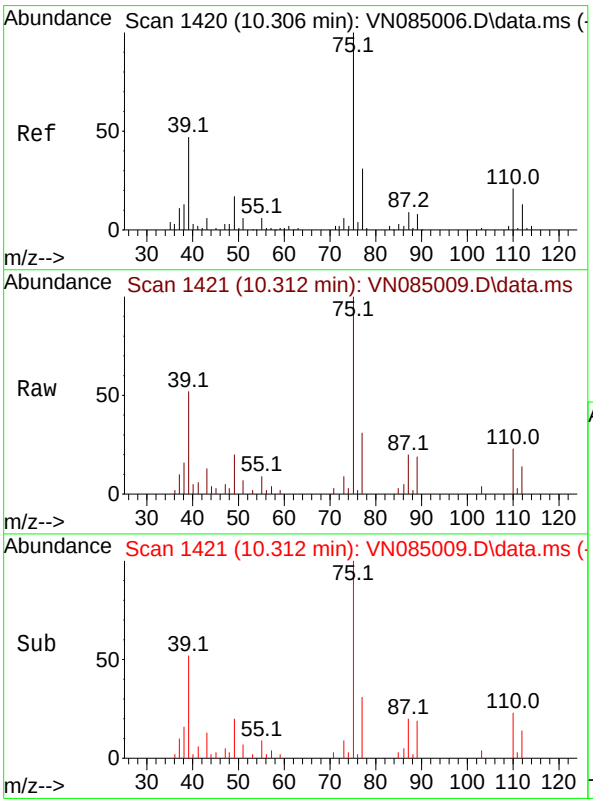
#53
t-1,3-Dichloropropene
Concen: 4.559 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 13412

Ion	Ratio	Lower	Upper
75	100		
77	36.0	25.0	37.4

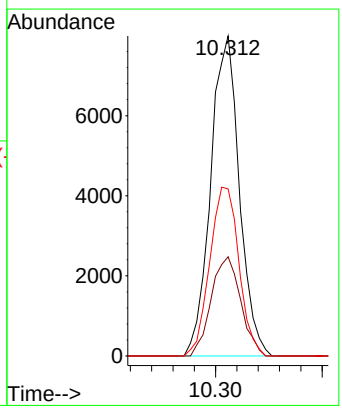


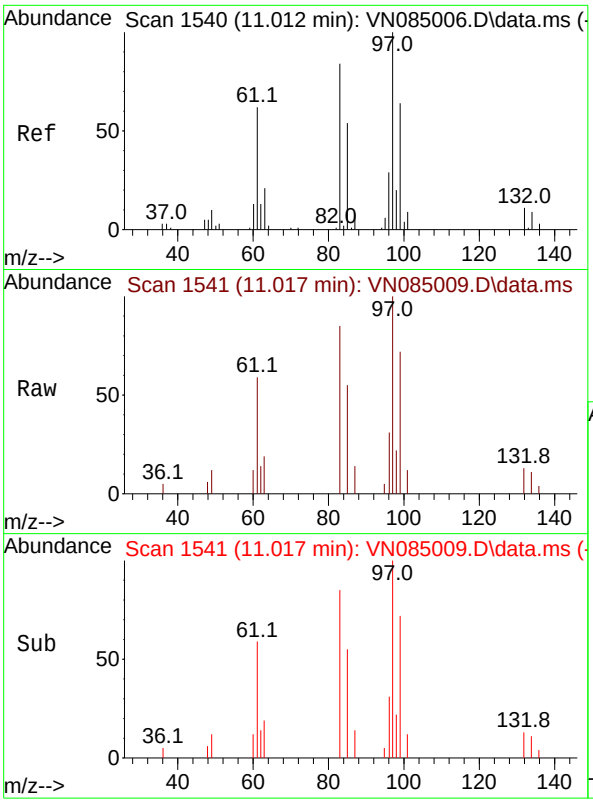


#54
cis-1,3-Dichloropropene
Concen: 4.779 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 75 Resp: 14917

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.0	37.4
39	52.2	37.6	56.4



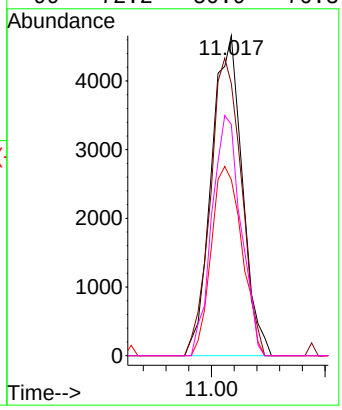


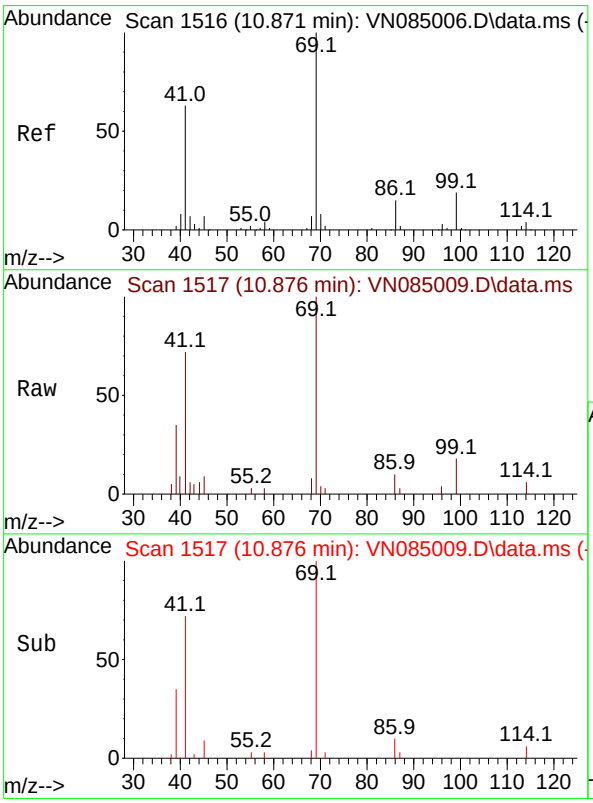
#55
1,1,2-Trichloroethane
Concen: 4.928 ug/l
RT: 11.017 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 8791

Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.4	101.2
85	55.0	43.1	64.7
99	72.2	50.9	76.3

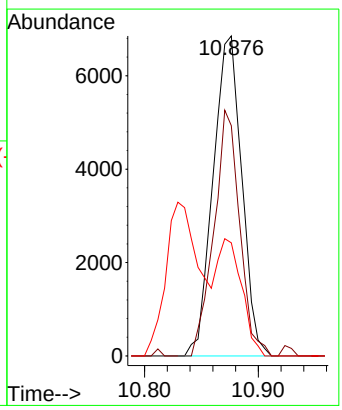


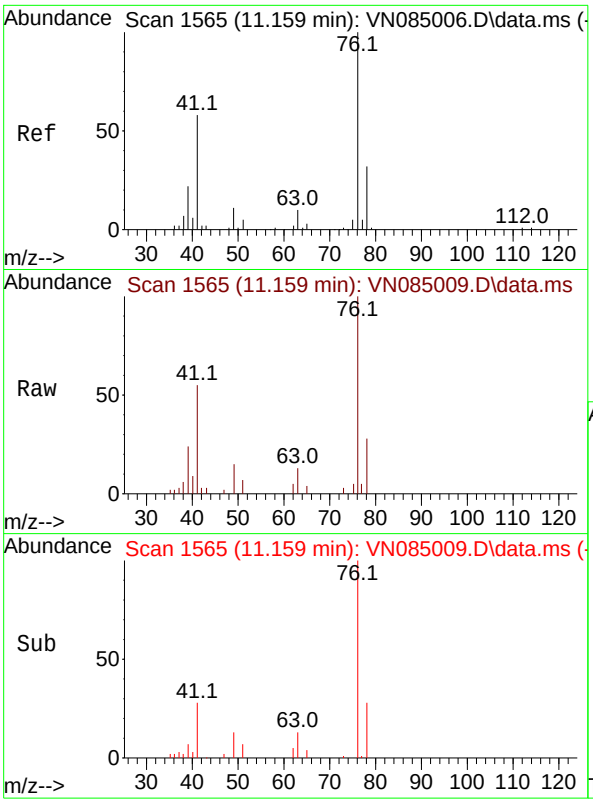


#56
Ethyl methacrylate
Concen: 4.605 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 69 Resp: 12004

Ion	Ratio	Lower	Upper
69	100		
41	69.4	50.0	75.0
39	31.3	27.0	40.6



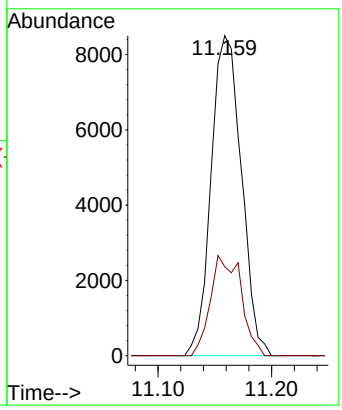


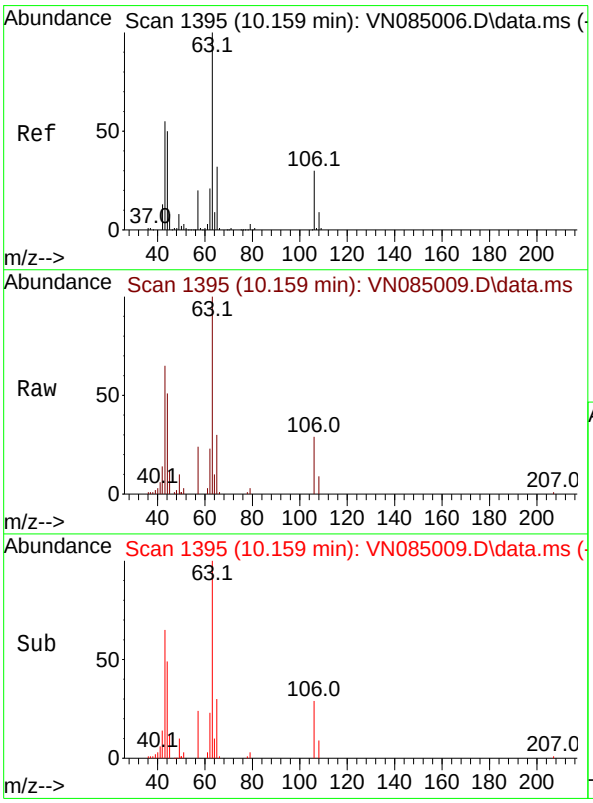
#57
1,3-Dichloropropane
Concen: 5.012 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 15736

Ion	Ratio	Lower	Upper
76	100		
78	31.7	26.1	39.1

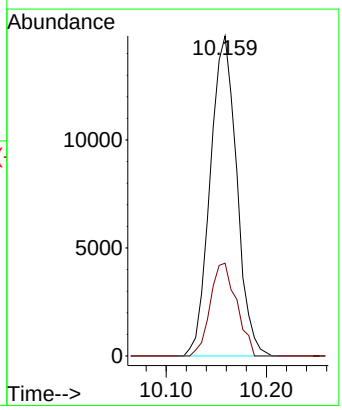


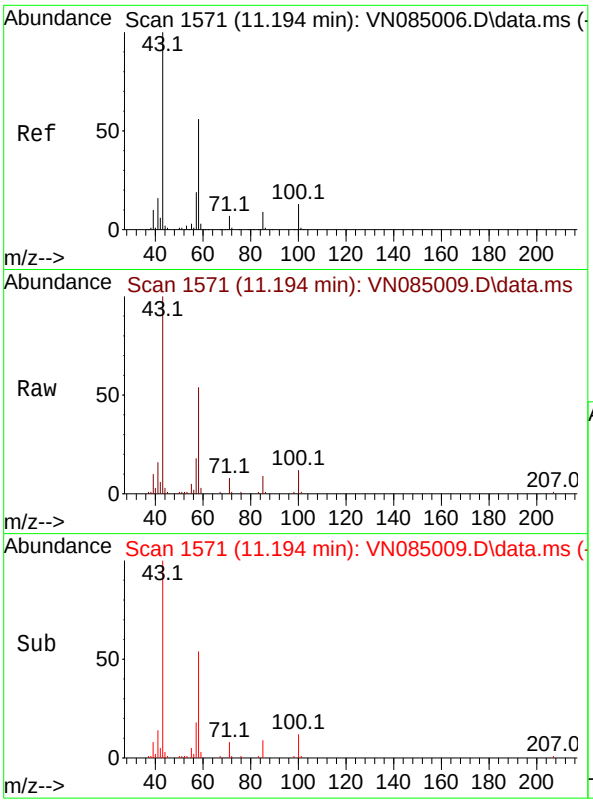


#58
2-Chloroethyl Vinyl ether
Concen: 21.254 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 63 Resp: 27177

Ion	Ratio	Lower	Upper
63	100		
106	28.8	23.0	34.6



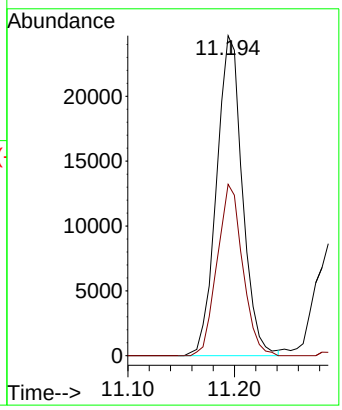


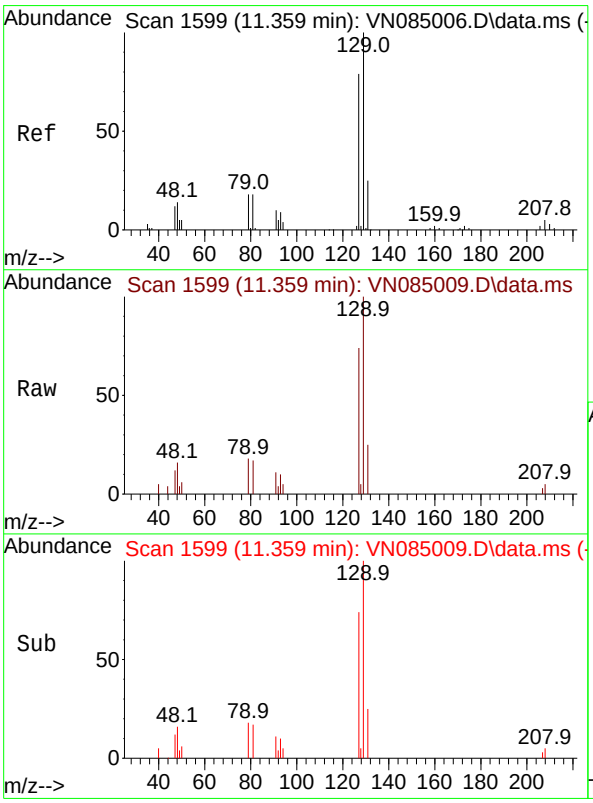
#59
2-Hexanone
Concen: 25.237 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 41641

Ion	Ratio	Lower	Upper
43	100		
58	52.8	28.3	85.0

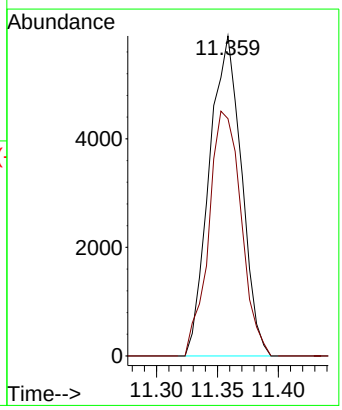


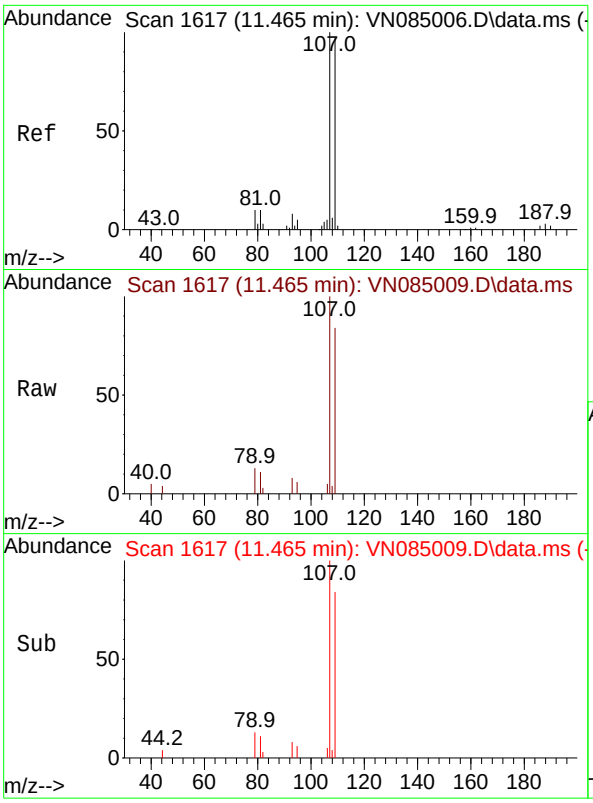


#60
Dibromochloromethane
Concen: 4.974 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:129 Resp: 10844

Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.2	117.6



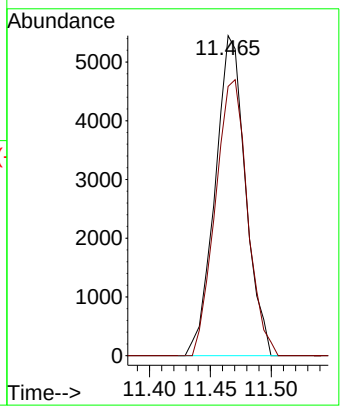


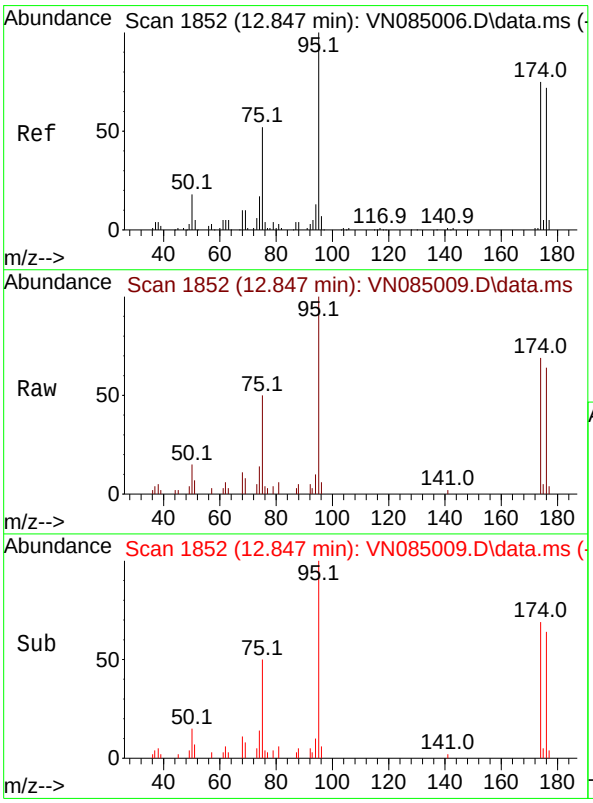
#61
1,2-Dibromoethane
Concen: 5.128 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 9468

Ion	Ratio	Lower	Upper
107	100		
109	90.8	76.1	114.1

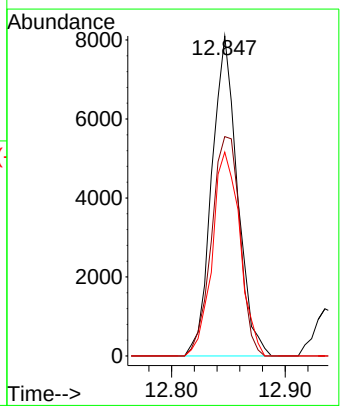


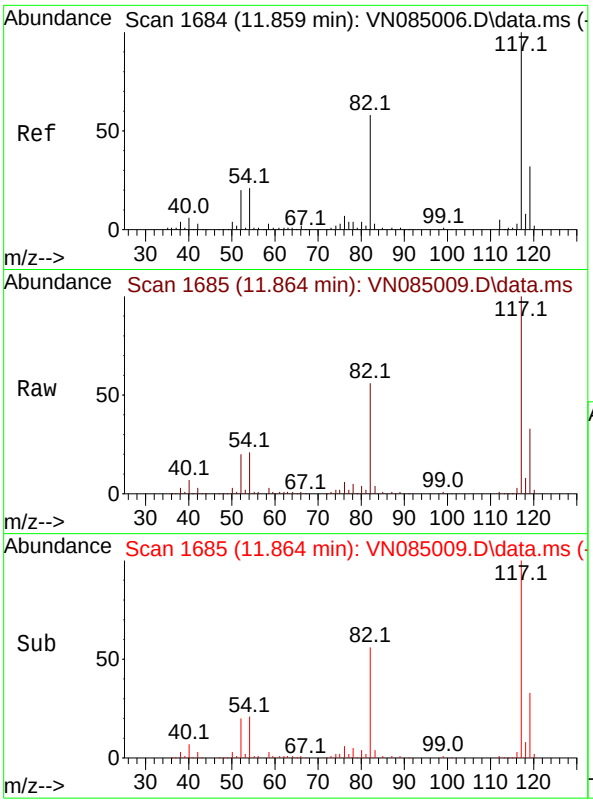


#62
4-Bromofluorobenzene
Concen: 5.024 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 95 Resp: 12715

Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	146.6
176	68.8	0.0	141.8



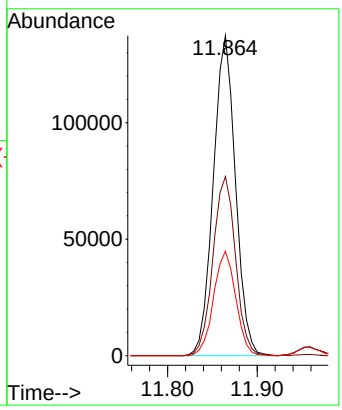


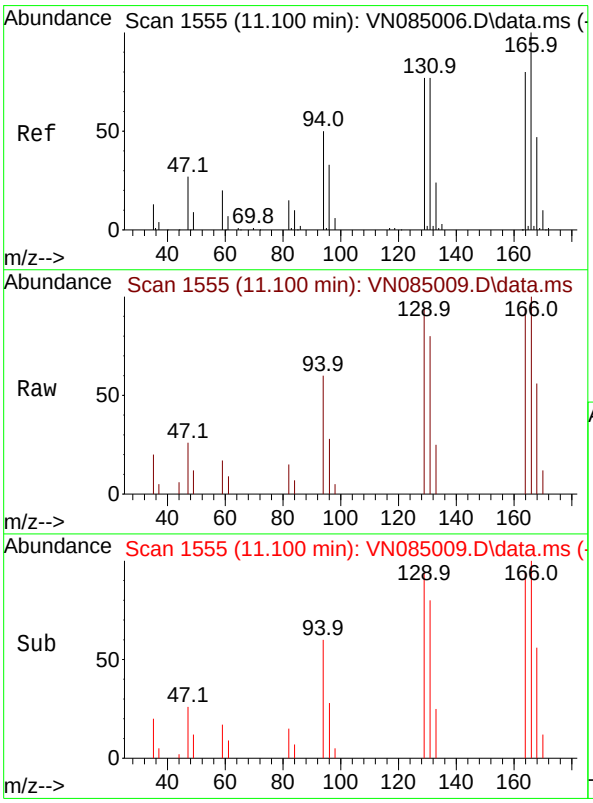
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 235767

Ion	Ratio	Lower	Upper
117	100		
82	55.9	46.0	69.0
119	32.7	25.6	38.4

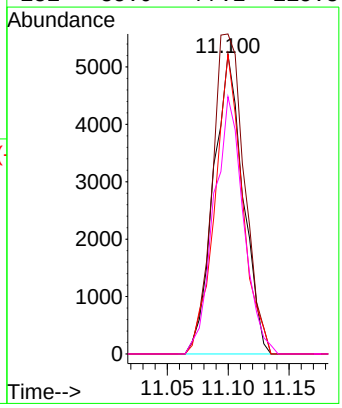


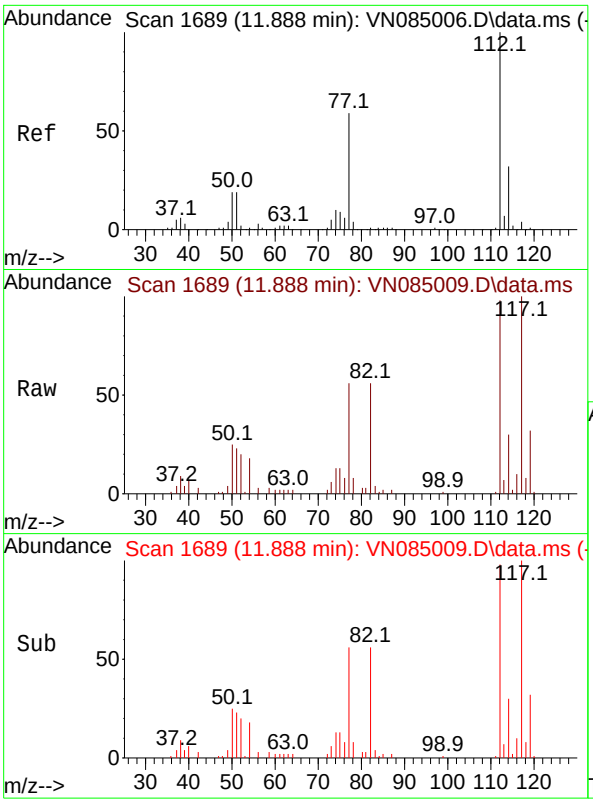


#64
Tetrachloroethene
Concen: 5.556 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:164 Resp: 8826

Ion	Ratio	Lower	Upper
164	100		
166	106.8	100.6	151.0
129	99.9	77.7	116.5
131	85.9	77.2	115.8



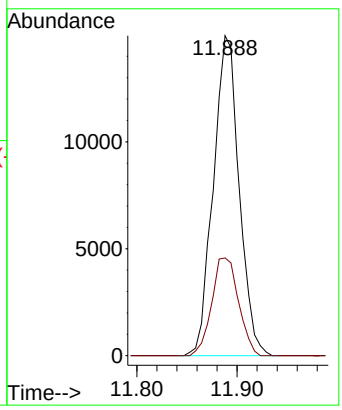


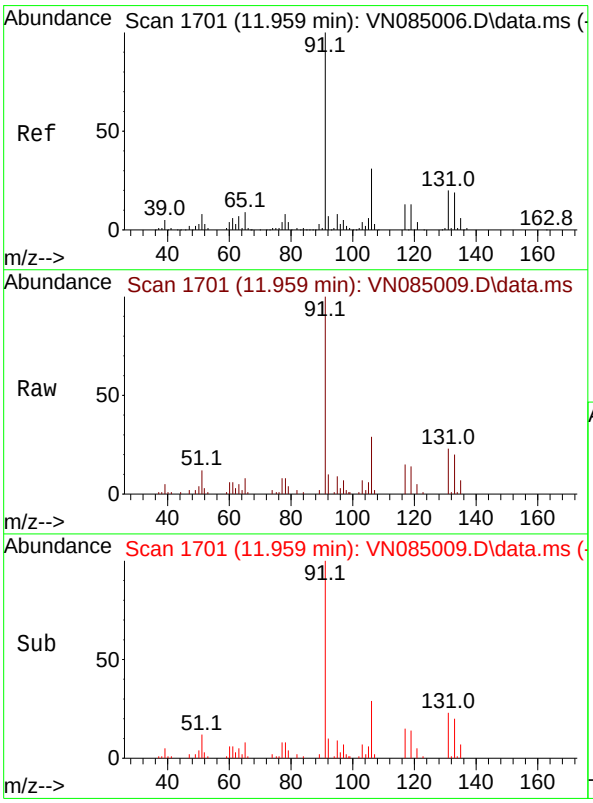
#65
Chlorobenzene
Concen: 4.997 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 26717

Ion	Ratio	Lower	Upper
112	100		
114	30.6	25.8	38.6

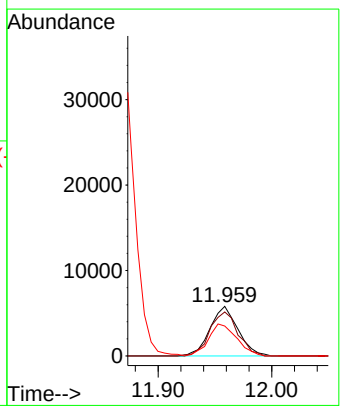


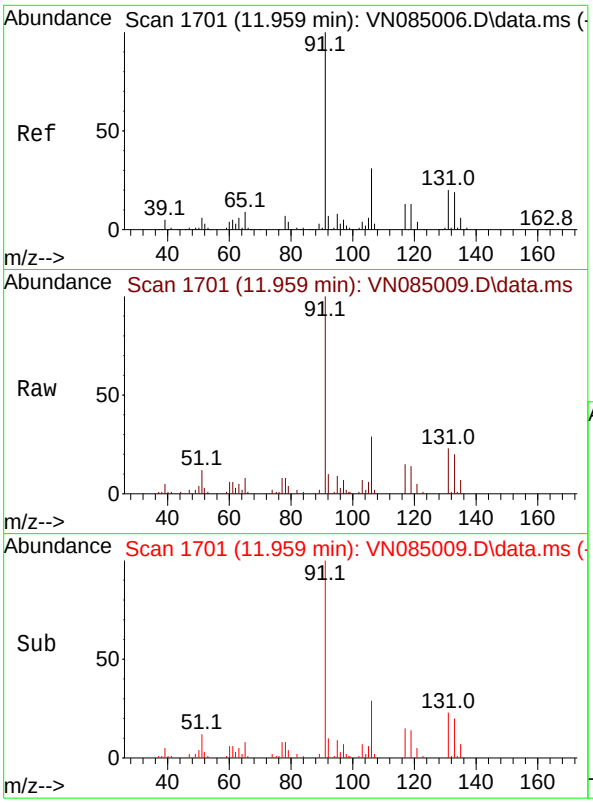


#66
1,1,1,2-Tetrachloroethane
Concen: 5.261 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:131 Resp: 9904

Ion	Ratio	Lower	Upper
131	100		
133	89.9	47.8	143.4
119	65.0	32.1	96.3



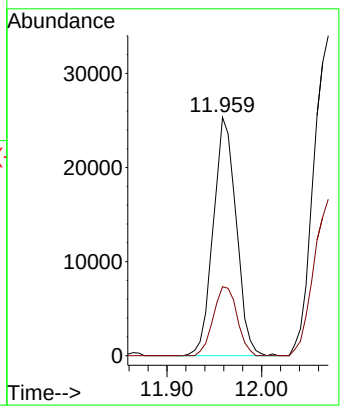


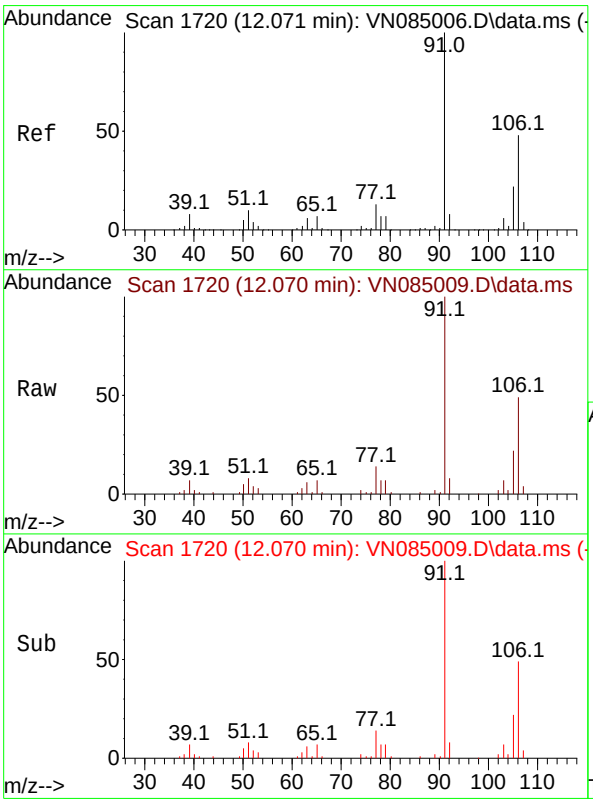
#67
Ethyl Benzene
Concen: 4.916 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 42642

Ion	Ratio	Lower	Upper
91	100		
106	28.9	24.7	37.1

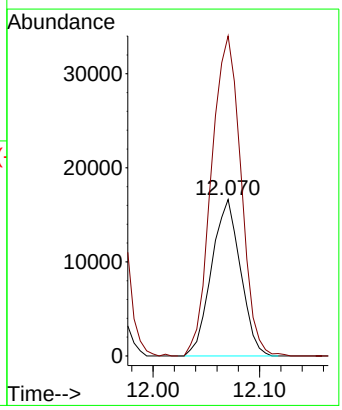


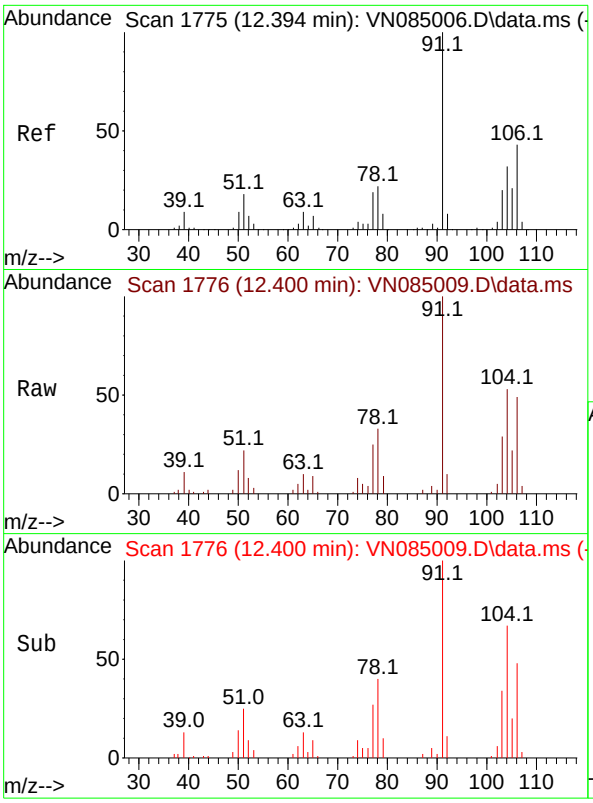


#68
m/p-Xylenes
Concen: 9.514 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:106 Resp: 31421

Ion	Ratio	Lower	Upper
106	100		
91	208.8	168.0	252.0



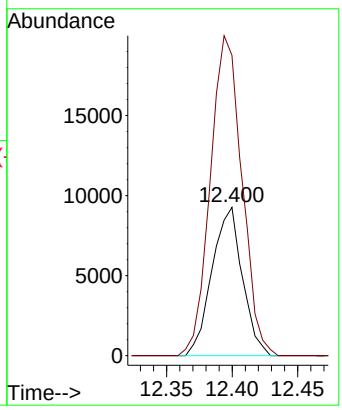


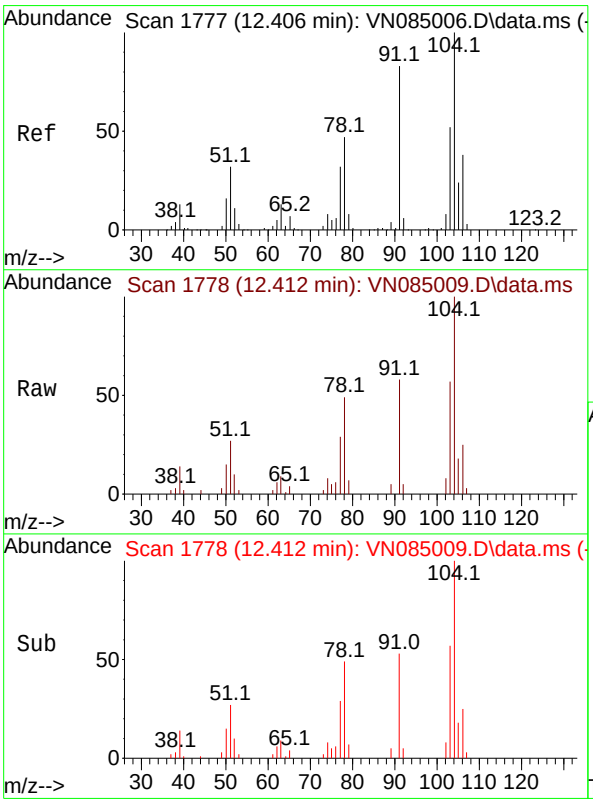
#69
o-Xylene
Concen: 4.754 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 14935

Ion	Ratio	Lower	Upper
106	100		
91	224.5	110.7	331.9

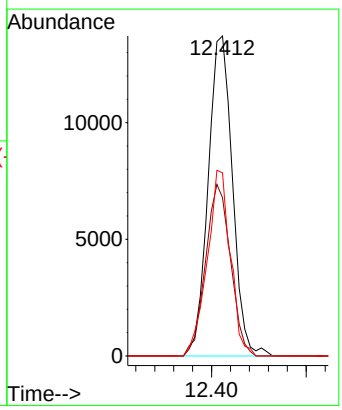


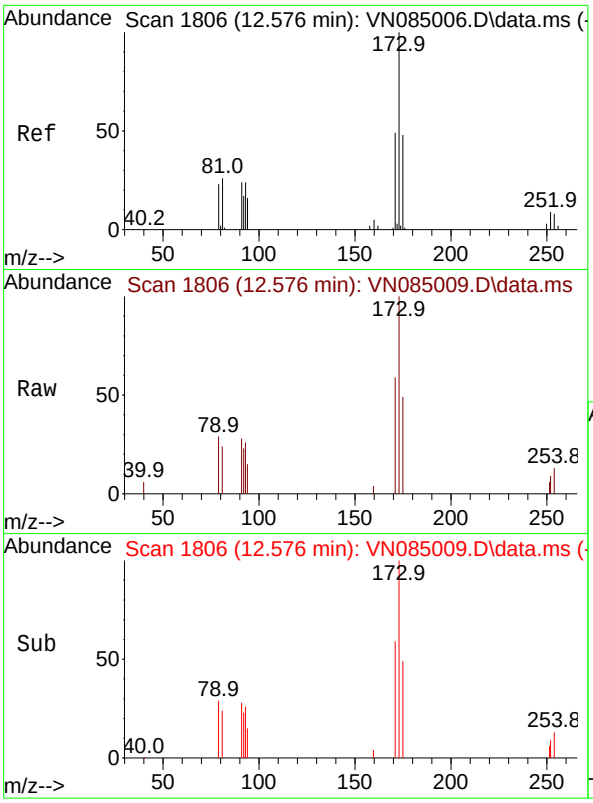


#70
Styrene
Concen: 4.686 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:104 Resp: 24480

Ion	Ratio	Lower	Upper
104	100		
78	54.8	42.3	63.5
103	55.3	44.2	66.2



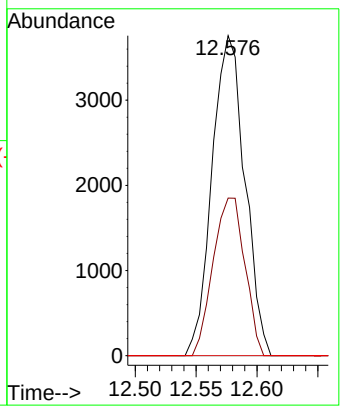


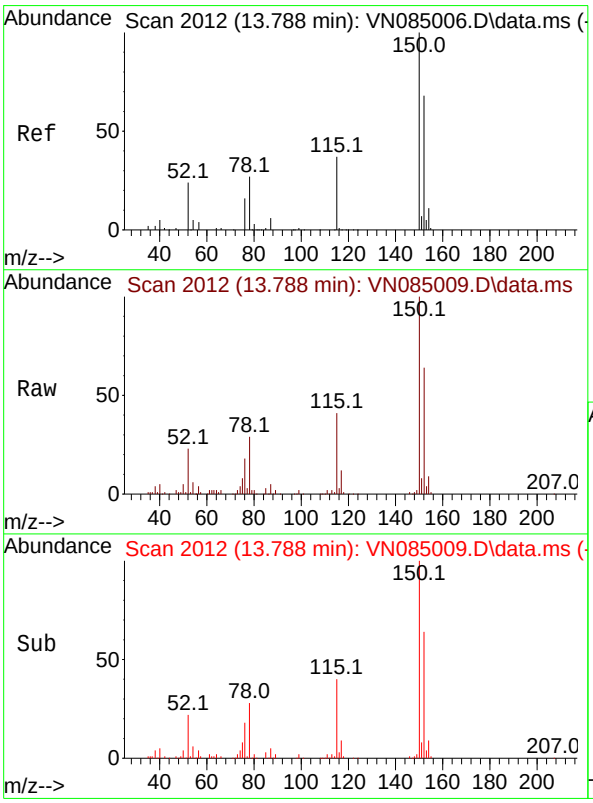
#71
Bromoform
Concen: 5.038 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 7040

Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.8	71.2
254	0.0	0.0	0.0

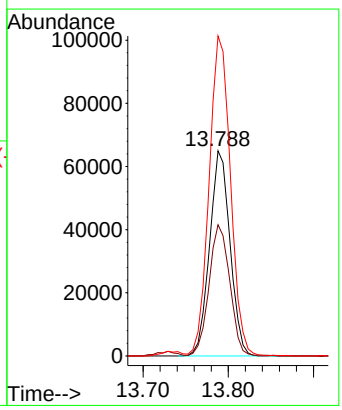


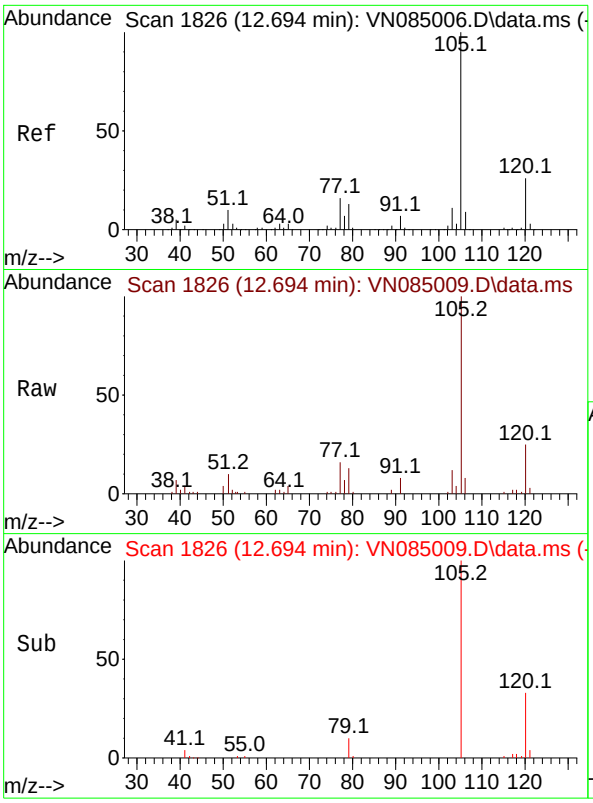


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:152 Resp: 108389

Ion	Ratio	Lower	Upper
152	100		
115	64.7	31.7	95.1
150	162.8	0.0	351.4



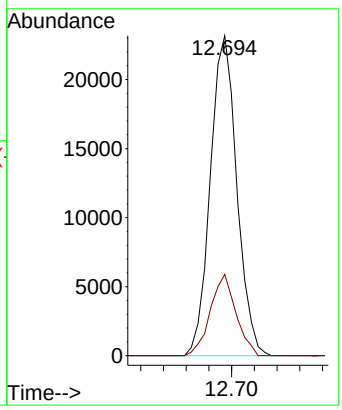


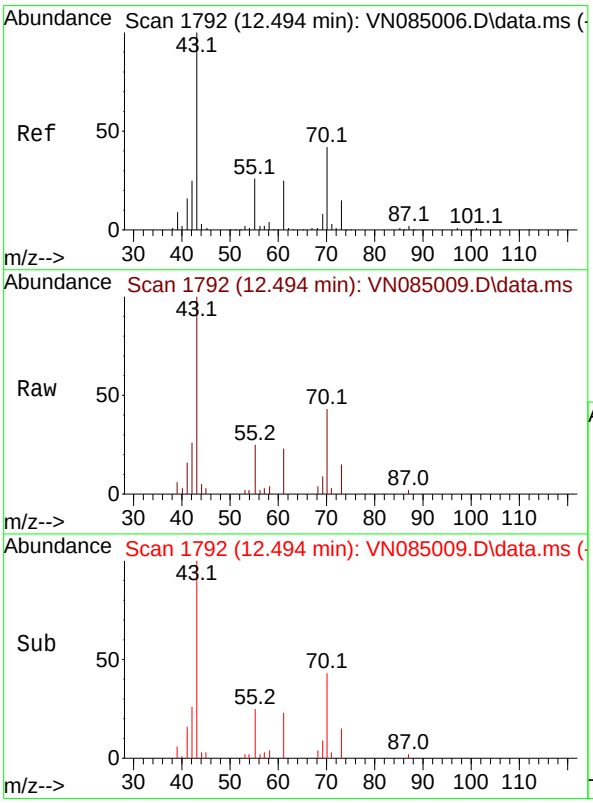
#73
Isopropylbenzene
Concen: 4.910 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 37544

Ion	Ratio	Lower	Upper
105	100		
120	24.6	13.0	39.0

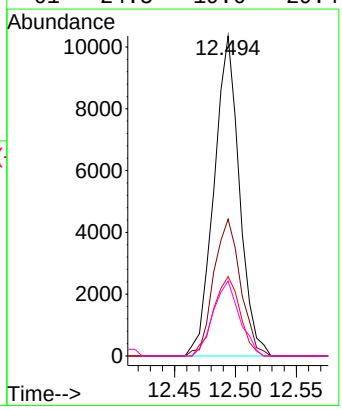


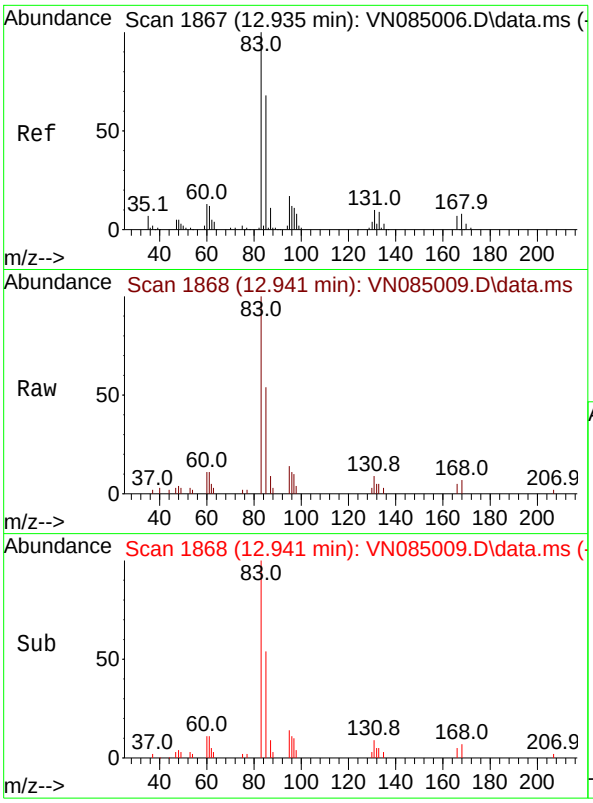


#74
N-amyl acetate
Concen: 4.759 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 43 Resp: 14995

Ion	Ratio	Lower	Upper
43	100		
70	45.3	34.6	51.8
55	26.0	20.5	30.7
61	24.3	19.6	29.4



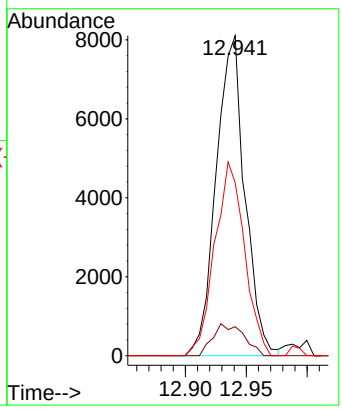


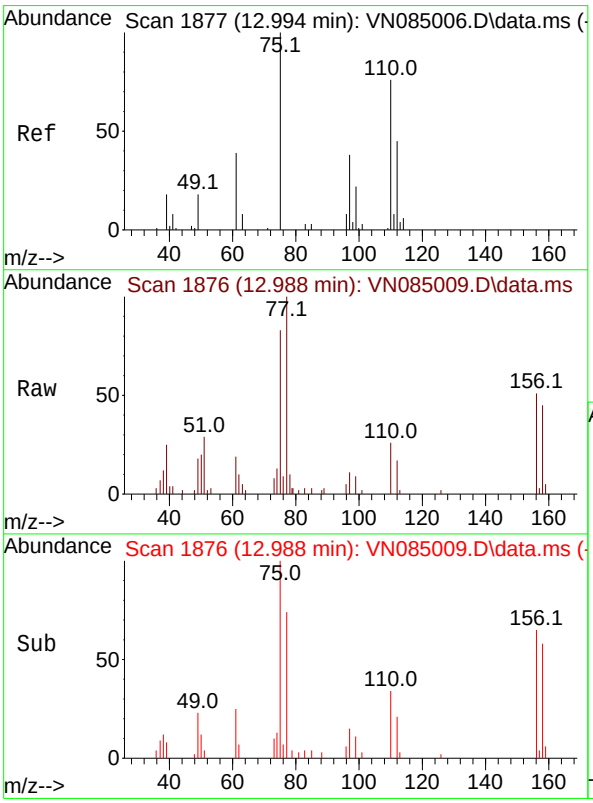
#75
1,1,2,2-Tetrachloroethane
Concen: 5.109 ug/l
RT: 12.941 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 13341

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.1	15.4
85	62.6	32.1	96.3

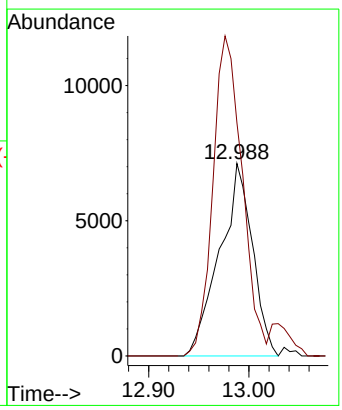


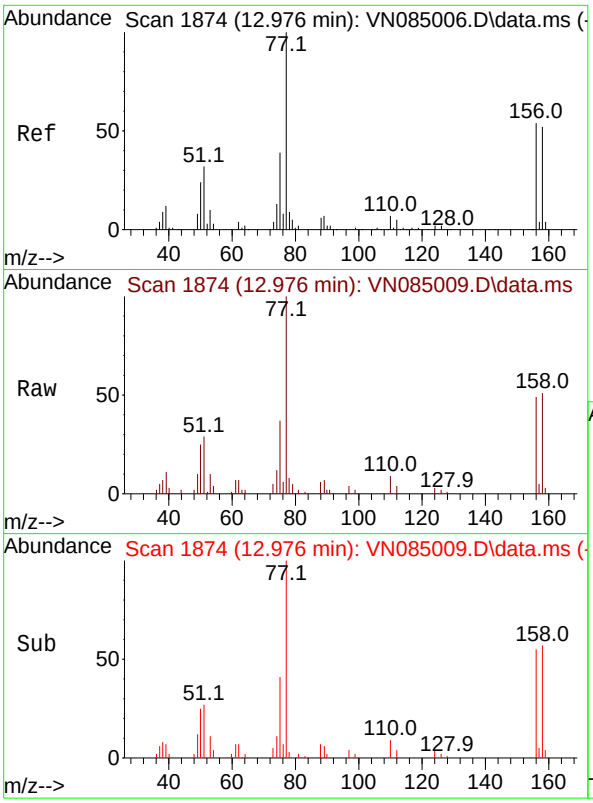


#76
1,2,3-Trichloropropane
Concen: 7.966 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 75 Resp: 16152

Ion	Ratio	Lower	Upper
75	100		
77	148.5	109.1	327.4



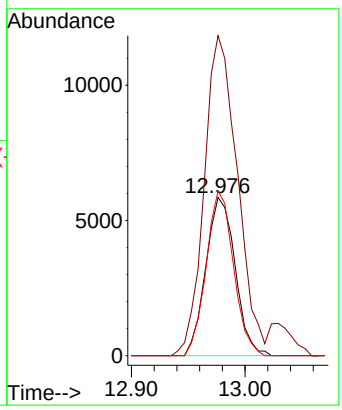


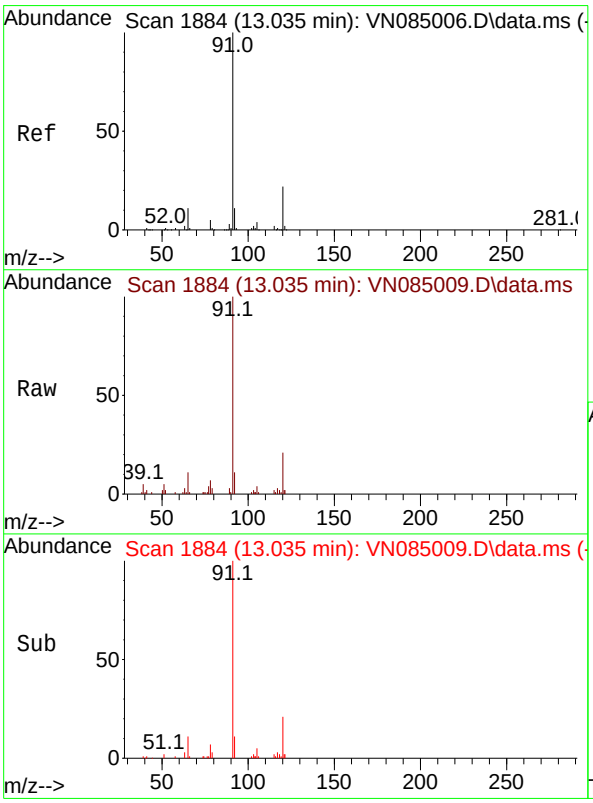
#77
Bromobenzene
Concen: 5.095 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 10485

Ion	Ratio	Lower	Upper
156	100		
77	228.7	107.2	321.6
158	97.2	48.5	145.6

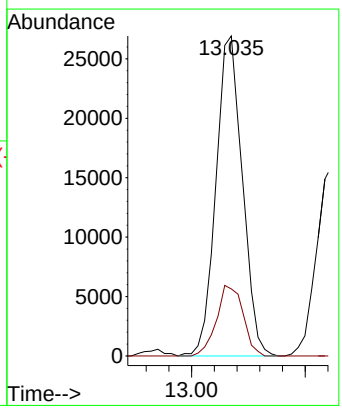


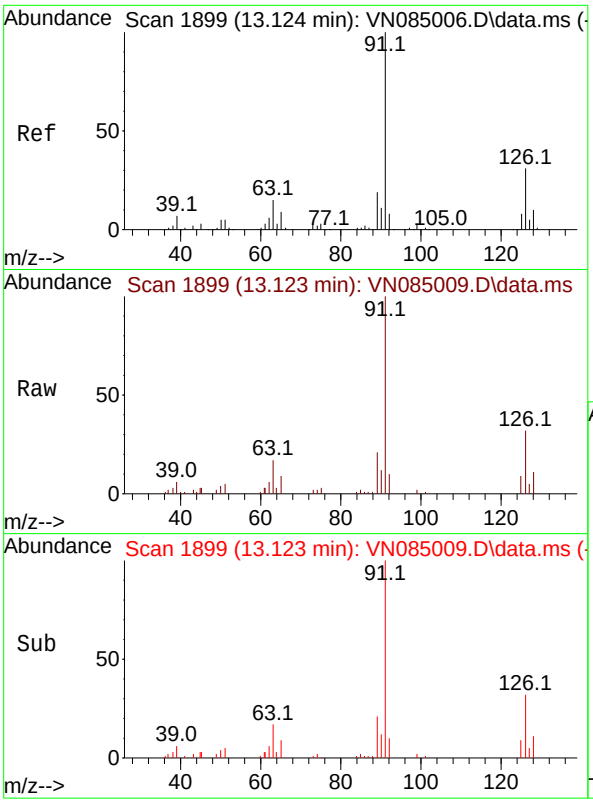


#78
n-propylbenzene
Concen: 4.931 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 91 Resp: 43493

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.3	33.9



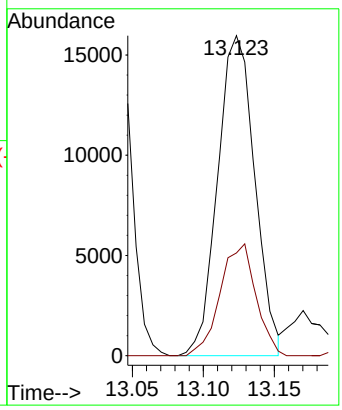


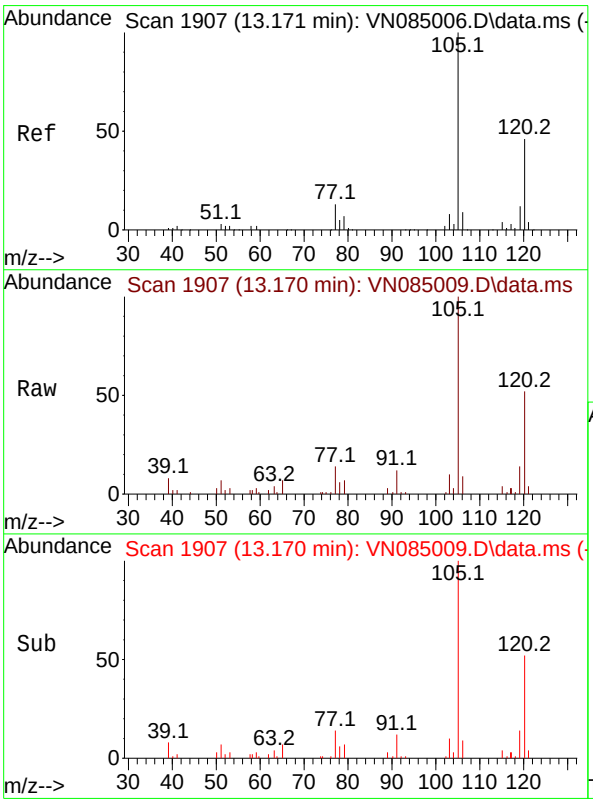
#79
2-Chlorotoluene
Concen: 4.932 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 29037

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.1	48.3

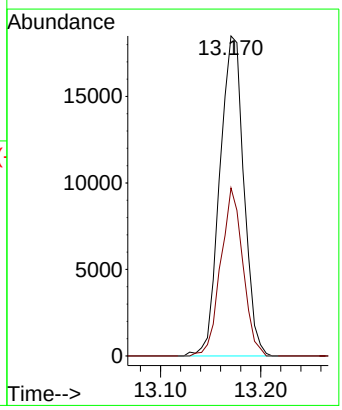


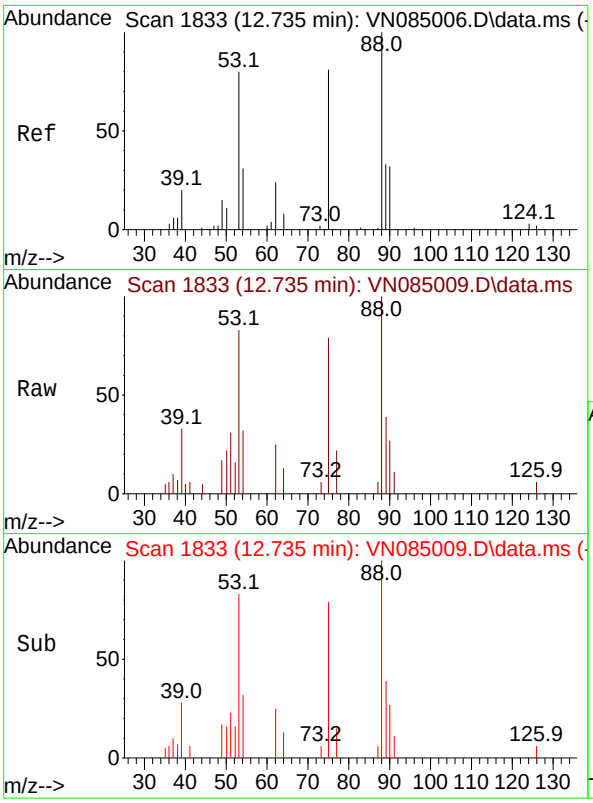


#80
1,3,5-Trimethylbenzene
Concen: 4.802 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:105 Resp: 30809

Ion	Ratio	Lower	Upper
105	100		
120	48.4	23.6	71.0



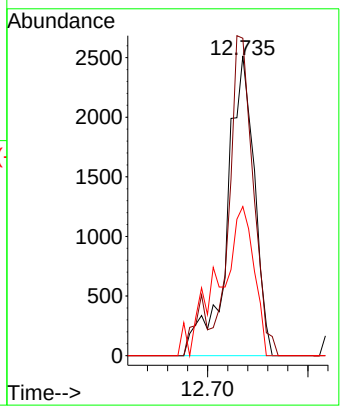


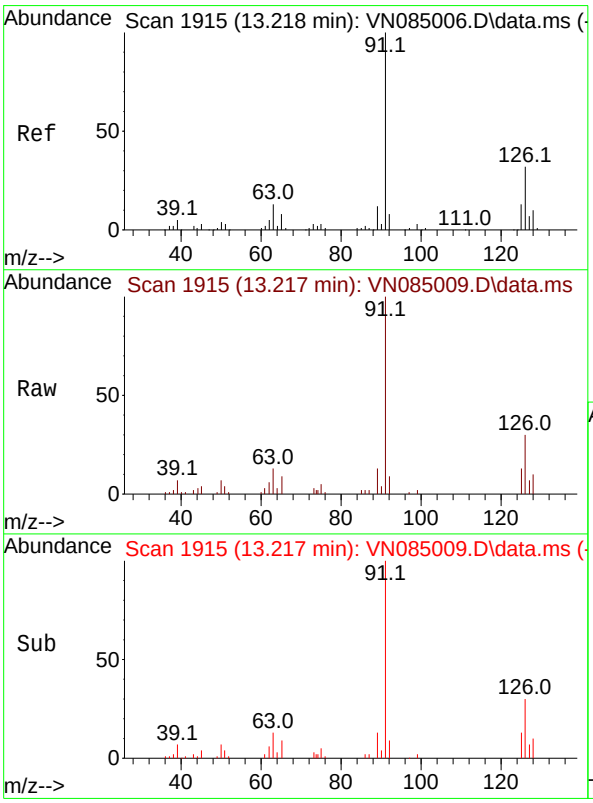
#81
trans-1,4-Dichloro-2-butene
Concen: 5.502 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 4774

Ion	Ratio	Lower	Upper
75	100		
53	92.4	78.2	117.4
89	64.5	37.9	56.9#

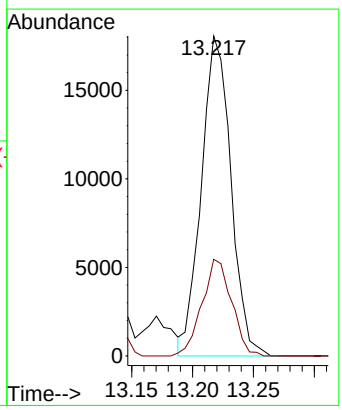


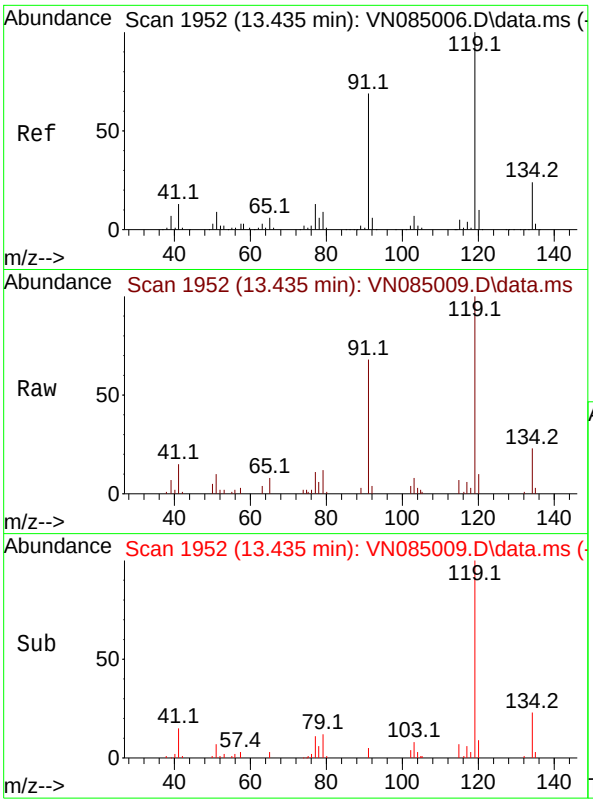


#82
4-Chlorotoluene
Concen: 4.986 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 91 Resp: 30558

Ion	Ratio	Lower	Upper
91	100		
126	30.2	16.1	48.3



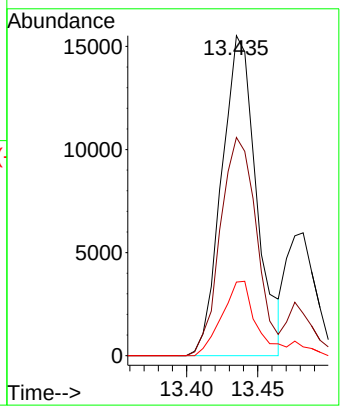


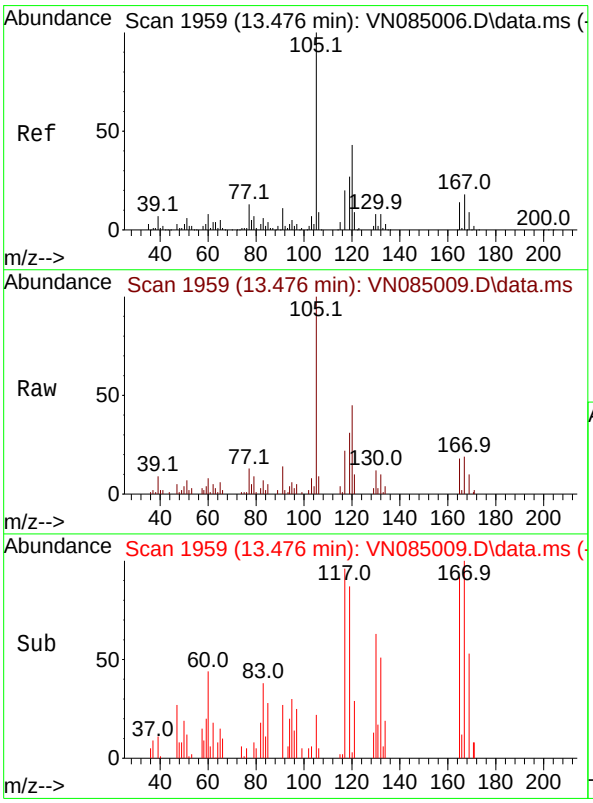
#83
tert-Butylbenzene
Concen: 4.797 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 26485

Ion	Ratio	Lower	Upper
119	100		
91	71.1	35.1	105.5
134	22.9	12.1	36.3

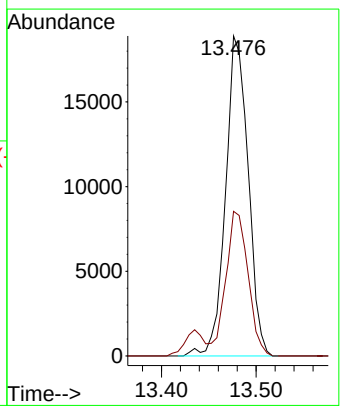


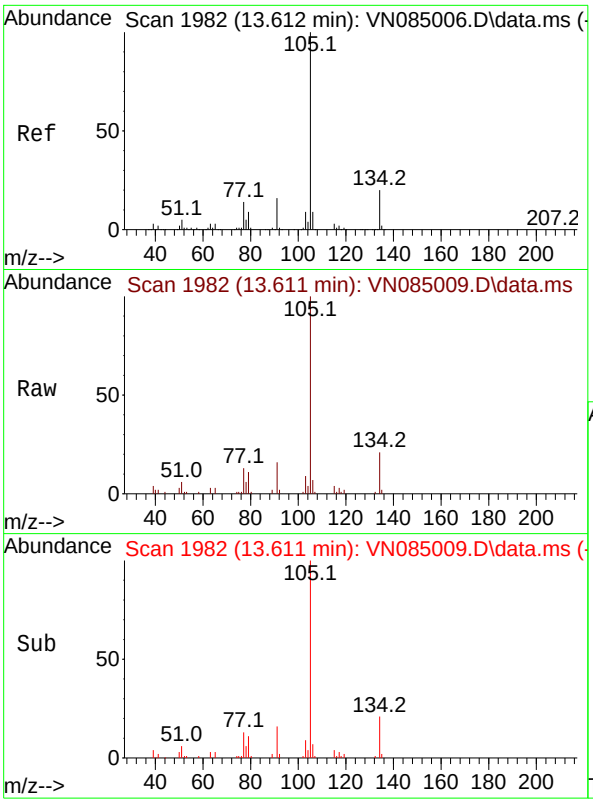


#84
1,2,4-Trimethylbenzene
Concen: 4.743 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:105 Resp: 31328

Ion	Ratio	Lower	Upper
105	100		
120	45.0	21.8	65.4



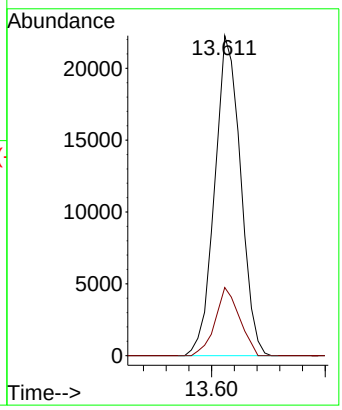


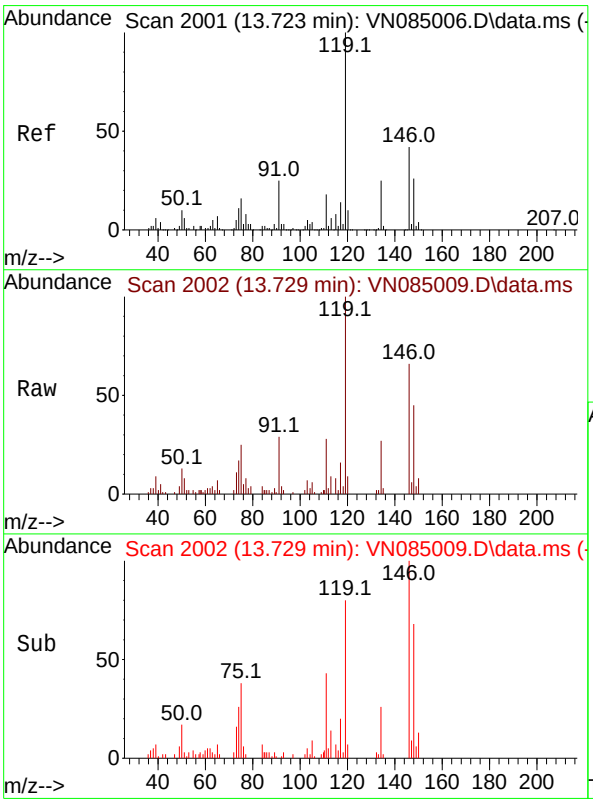
#85
sec-Butylbenzene
Concen: 4.718 ug/l
RT: 13.611 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 35183

Ion	Ratio	Lower	Upper
105	100		
134	20.0	9.8	29.3

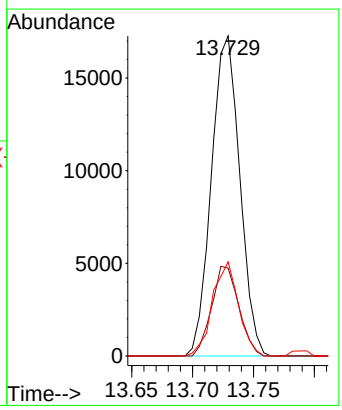


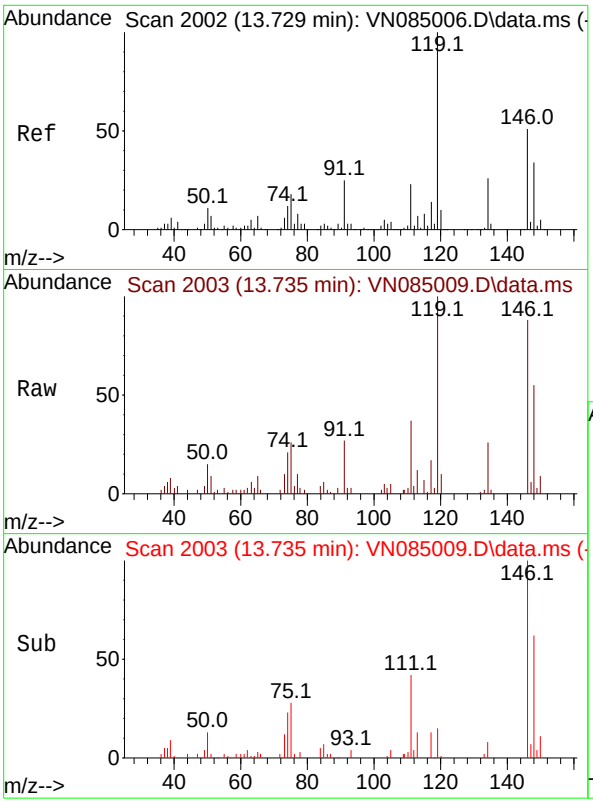


#86
p-Isopropyltoluene
Concen: 4.551 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:119 Resp: 28019

Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.0	39.0
91	27.0	12.8	38.4



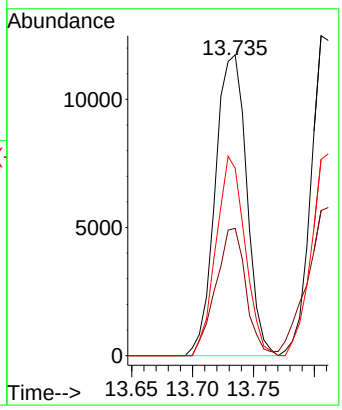


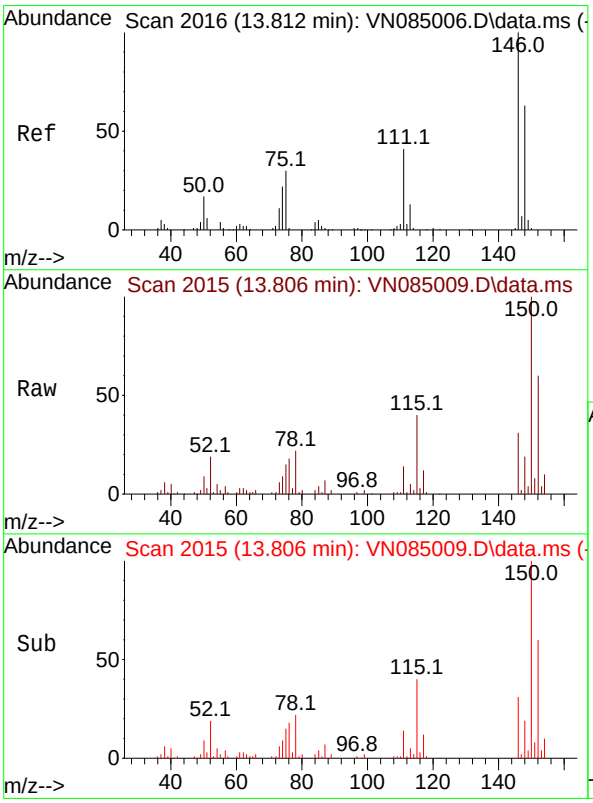
#87
1,3-Dichlorobenzene
Concen: 5.185 ug/l
RT: 13.735 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 21043

Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.6	65.0
148	61.6	32.2	96.6

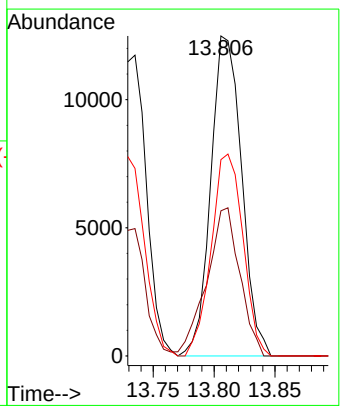


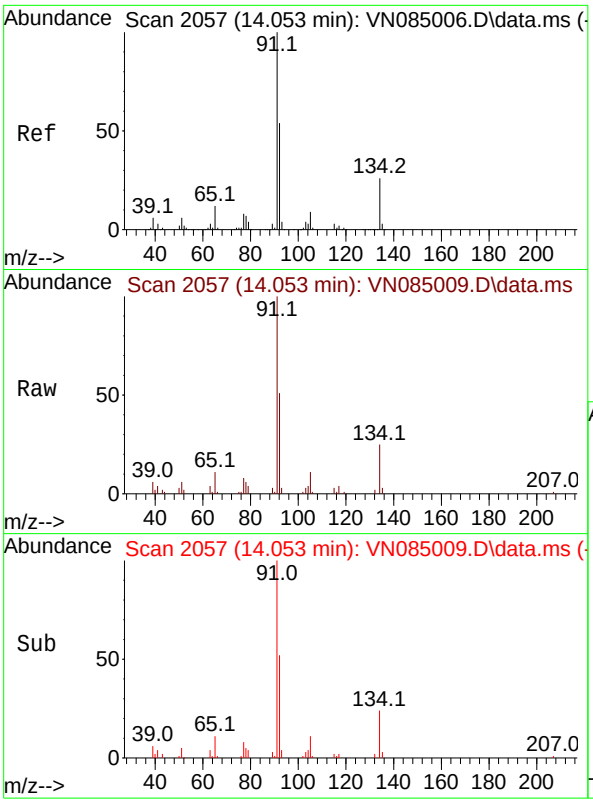


#88
1,4-Dichlorobenzene
Concen: 5.322 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:146 Resp: 22041

Ion	Ratio	Lower	Upper
146	100		
111	49.8	20.9	62.8
148	65.0	31.3	93.9



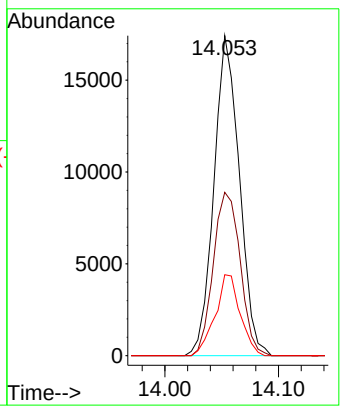


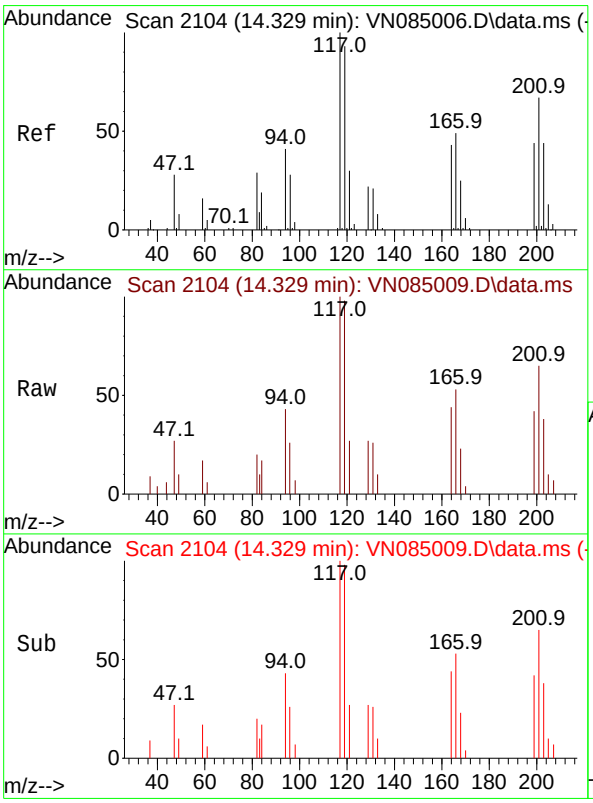
#89
n-Butylbenzene
Concen: 4.732 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 27093

Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.8	80.3
134	24.9	12.8	38.4

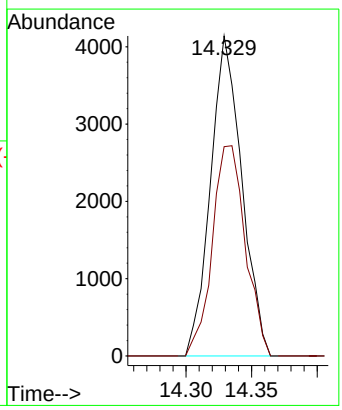


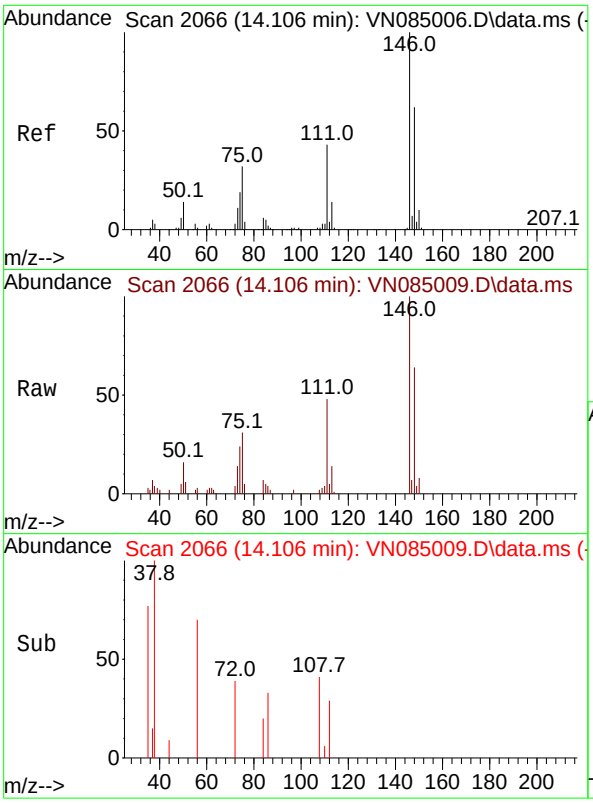


#90
Hexachloroethane
Concen: 5.119 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:117 Resp: 6869

Ion	Ratio	Lower	Upper
117	100		
201	69.4	35.2	105.6



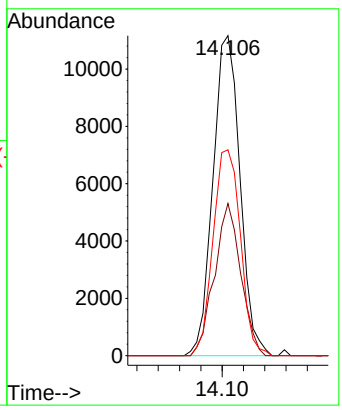


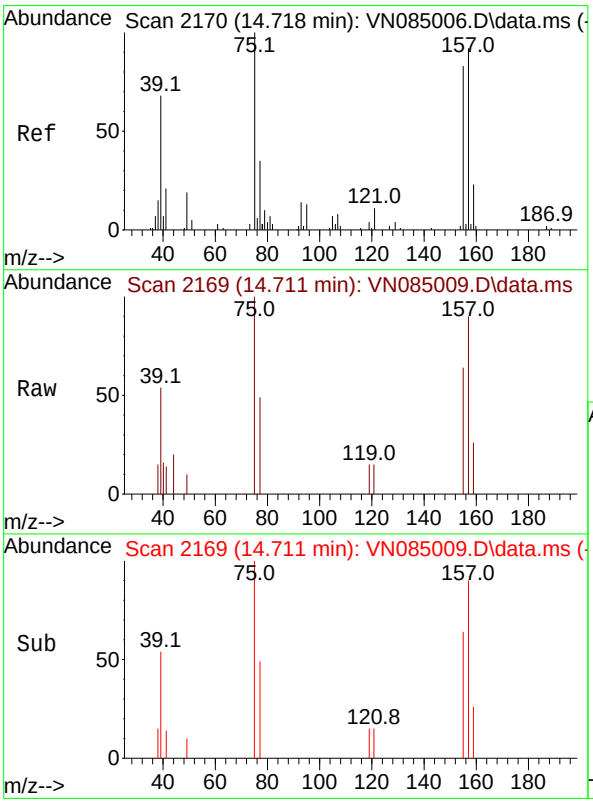
#91
1,2-Dichlorobenzene
Concen: 5.058 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 19670

Ion	Ratio	Lower	Upper
146	100		
111	46.4	21.9	65.8
148	65.1	31.1	93.2

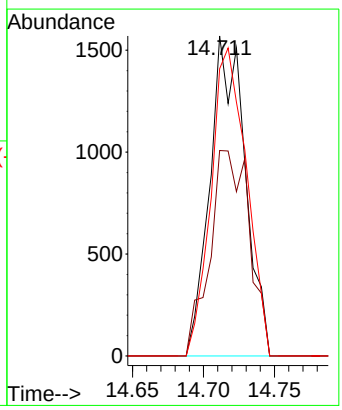


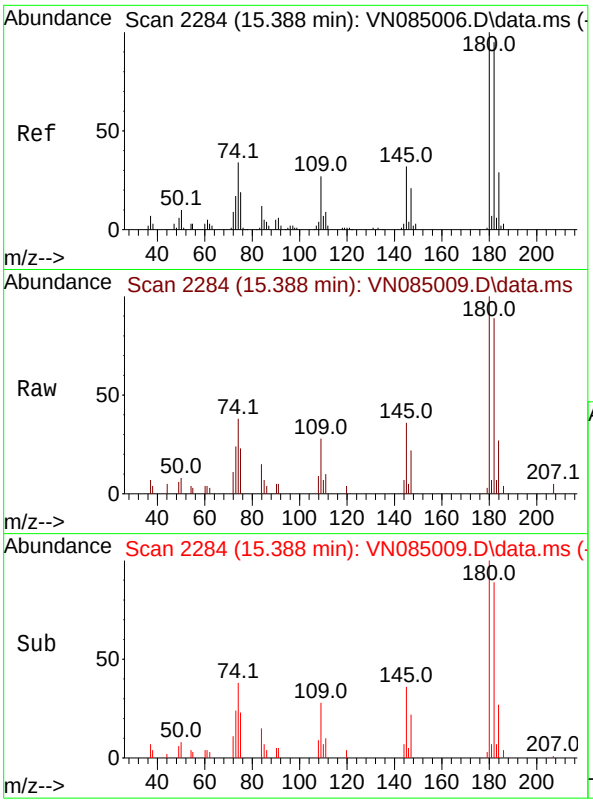


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.353 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 75 Resp: 2703

Ion	Ratio	Lower	Upper
75	100		
155	71.9	38.9	116.7
157	97.4	48.3	144.9



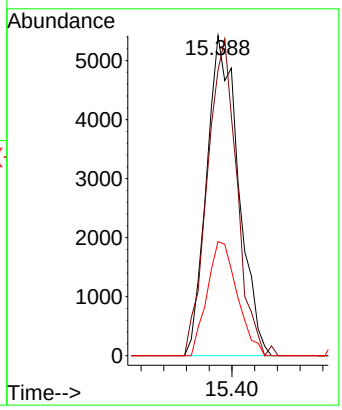


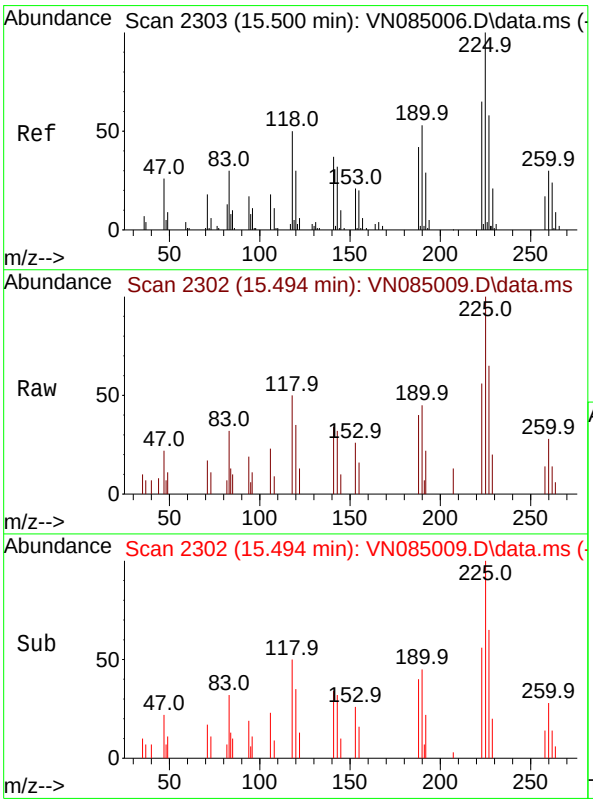
#93
1,2,4-Trichlorobenzene
Concen: 4.992 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 10547

Ion	Ratio	Lower	Upper
180	100		
182	92.0	46.9	140.8
145	33.7	16.3	48.8

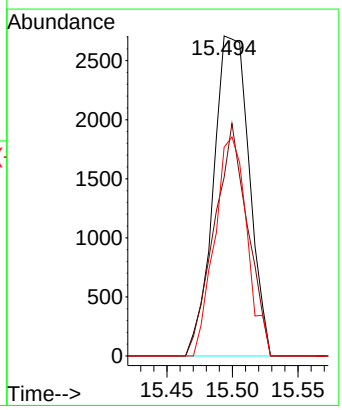


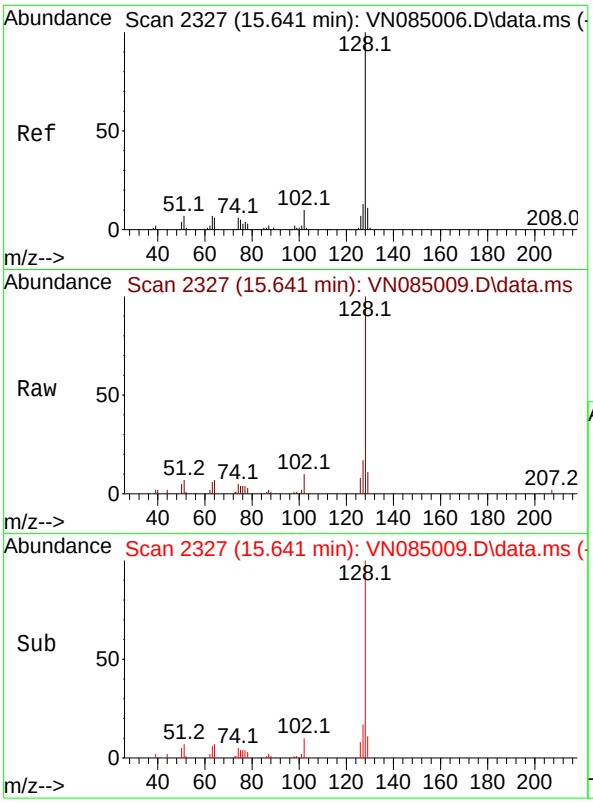


#94
Hexachlorobutadiene
Concen: 5.272 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:225 Resp: 5141

Ion	Ratio	Lower	Upper
225	100		
223	67.7	30.9	92.8
227	62.0	31.5	94.5



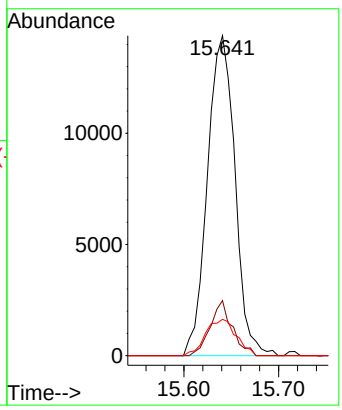


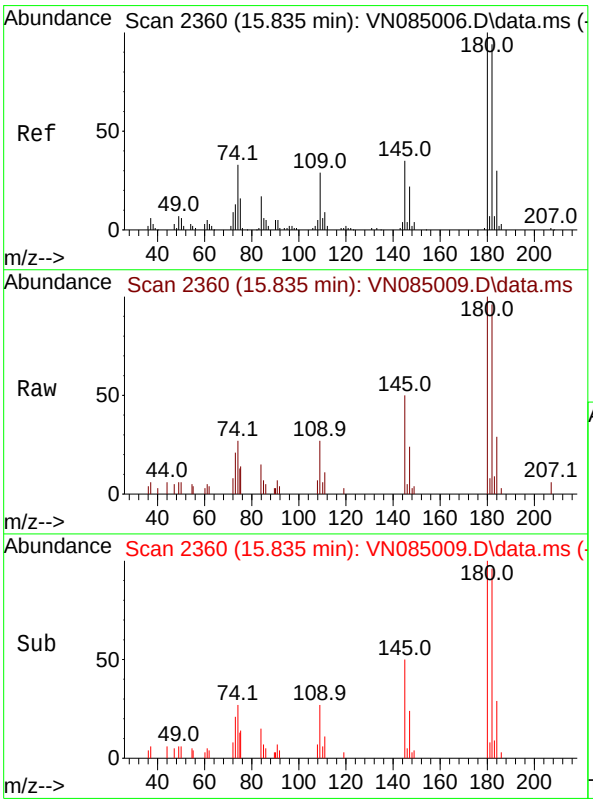
#95
Naphthalene
Concen: 4.832 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 29077

Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	16.0
129	12.6	8.6	12.8

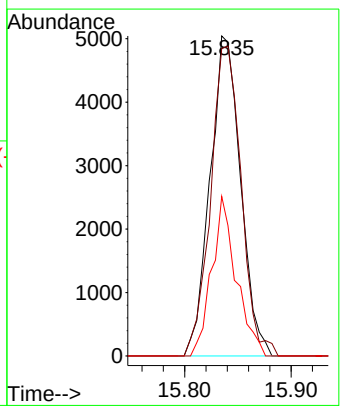




#96
1,2,3-Trichlorobenzene
Concen: 4.981 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:180 Resp: 10042

Ion	Ratio	Lower	Upper
180	100		
182	96.9	46.4	139.2
145	40.1	17.3	52.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085010.D
Acq On : 22 Nov 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Nov 23 02:01:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	142307	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	255159	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	210265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	88784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	2374	1.171	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	2.340%#		
35) Dibromofluoromethane	8.165	113	1949	1.133	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	2.260%#		
50) Toluene-d8	10.565	98	6206	1.006	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	2.020%#		
62) 4-Bromofluorobenzene	12.847	95	2351	1.019	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	2.040%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	1589	0.987	ug/l	91
3) Chloromethane	2.359	50	2580	1.382	ug/l #	86
4) Vinyl Chloride	2.518	62	1730	1.031	ug/l #	81
5) Bromomethane	2.900	94	1231	1.309	ug/l #	62
6) Chloroethane	3.077	64	2258	1.997	ug/l #	81
7) Trichlorofluoromethane	3.453	101	2950	1.034	ug/l	99
8) Diethyl Ether	3.953	74	898	0.925	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.365	101	1031	0.637	ug/l #	78
10) Methyl Iodide	4.565	142	1019	0.476	ug/l #	81
11) Tert butyl alcohol	5.541	59	962	3.551	ug/l #	75
12) 1,1-Dichloroethene	4.324	96	1511	1.000	ug/l #	61
13) Acrolein	4.189	56	1041	5.759	ug/l #	78
14) Allyl chloride	5.012	41	2663	1.046	ug/l	98
15) Acrylonitrile	5.718	53	4314	5.625	ug/l #	75
16) Acetone	4.442	43	2973	5.036	ug/l #	69
17) Carbon Disulfide	4.694	76	5206	1.168	ug/l #	84
18) Methyl Acetate	5.018	43	1793	Below Cal		99
19) Methyl tert-butyl Ether	5.789	73	2724	0.552	ug/l	96
20) Methylene Chloride	5.271	84	1379	0.765	ug/l #	78
21) trans-1,2-Dichloroethene	5.783	96	1624	1.022	ug/l	95
22) Diisopropyl ether	6.665	45	5194	1.014	ug/l	96
23) Vinyl Acetate	6.600	43	16519	4.672	ug/l	99
24) 1,1-Dichloroethane	6.559	63	3177	1.036	ug/l #	83
25) 2-Butanone	7.477	43	5363	5.556	ug/l #	89
26) 2,2-Dichloropropane	7.494	77	3083	1.077	ug/l	86
27) cis-1,2-Dichloroethene	7.477	96	2074	1.082	ug/l	88
28) Bromochloromethane	7.806	49	1248	1.078	ug/l #	94
29) Tetrahydrofuran	7.835	42	3038	5.061	ug/l	90
30) Chloroform	7.959	83	3824	1.172	ug/l	97
31) Cyclohexane	8.218	56	2861	1.060	ug/l #	1
32) 1,1,1-Trichloroethane	8.165	97	3231	1.096	ug/l #	48
36) 1,1-Dichloropropene	8.365	75	2304	0.989	ug/l #	87
37) Ethyl Acetate	7.547	43	2101	0.992	ug/l #	67
38) Carbon Tetrachloride	8.359	117	2554	0.949	ug/l	92
39) Methylcyclohexane	9.600	83	1948	0.804	ug/l	89
40) Benzene	8.600	78	7459	1.012	ug/l #	83

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085010.D
Acq On : 22 Nov 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Nov 23 02:01:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	1263	1.077	ug/l	#	70
42) 1,2-Dichloroethane	8.671	62	2512	0.996	ug/l		81
43) Isopropyl Acetate	8.688	43	8014	1.821	ug/l	#	77
44) Trichloroethene	9.347	130	1685	0.984	ug/l		74
45) 1,2-Dichloropropane	9.618	63	1911	1.053	ug/l		97
46) Dibromomethane	9.706	93	1327	1.052	ug/l		100
47) Bromodichloromethane	9.894	83	2757	1.031	ug/l	#	72
48) Methyl methacrylate	9.682	41	1550	0.946	ug/l		91
49) 1,4-Dioxane	9.700	88	553	19.470	ug/l	#	54
51) 4-Methyl-2-Pentanone	10.441	43	9203	4.578	ug/l		93
52) Toluene	10.624	92	3979	0.912	ug/l		92
53) t-1,3-Dichloropropene	10.829	75	2680	1.000	ug/l		89
54) cis-1,3-Dichloropropene	10.312	75	2759	0.970	ug/l		94
55) 1,1,2-Trichloroethane	11.012	97	1536	0.945	ug/l	#	79
56) Ethyl methacrylate	10.876	69	1888	0.795	ug/l		97
57) 1,3-Dichloropropane	11.165	76	2917	1.020	ug/l		97
58) 2-Chloroethyl Vinyl ether	10.159	63	4254	3.651	ug/l		98
59) 2-Hexanone	11.200	43	6264	4.166	ug/l		90
60) Dibromochloromethane	11.359	129	2099	1.057	ug/l		93
61) 1,2-Dibromoethane	11.465	107	1648	0.980	ug/l		98
64) Tetrachloroethene	11.100	164	1291	0.911	ug/l	#	88
65) Chlorobenzene	11.888	112	5217	1.094	ug/l	#	81
66) 1,1,1,2-Tetrachloroethane	11.965	131	1639	0.976	ug/l	#	62
67) Ethyl Benzene	11.959	91	6914	0.894	ug/l	#	85
68) m/p-Xylenes	12.070	106	5269	1.789	ug/l		91
69) o-Xylene	12.400	106	2514	0.897	ug/l		82
70) Styrene	12.406	104	3871	0.831	ug/l		99
71) Bromoform	12.576	173	1215	0.975	ug/l	#	92
73) Isopropylbenzene	12.688	105	5637	0.900	ug/l		99
74) N-amyl acetate	12.494	43	2377	0.921	ug/l	#	90
75) 1,1,2,2-Tetrachloroethane	12.929	83	2694	1.260	ug/l	#	82
76) 1,2,3-Trichloropropane	12.988	75	3232	1.946	ug/l		54
77) Bromobenzene	12.982	156	1903	1.129	ug/l		86
78) n-propylbenzene	13.029	91	6275	0.869	ug/l		97
79) 2-Chlorotoluene	13.123	91	4935	1.023	ug/l		94
80) 1,3,5-Trimethylbenzene	13.170	105	4473	0.851	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.741	75	619	0.871	ug/l	#	79
82) 4-Chlorotoluene	13.223	91	5286	1.053	ug/l		92
83) tert-Butylbenzene	13.435	119	4357	0.963	ug/l		91
84) 1,2,4-Trimethylbenzene	13.482	105	4802	0.888	ug/l		100
85) sec-Butylbenzene	13.612	105	5284	0.865	ug/l		99
86) p-Isopropyltoluene	13.729	119	4047	0.803	ug/l		88
87) 1,3-Dichlorobenzene	13.729	146	4131	1.243	ug/l		86
88) 1,4-Dichlorobenzene	13.729	146	4131	1.218	ug/l		88
89) n-Butylbenzene	14.053	91	4981	1.062	ug/l		92
90) Hexachloroethane	14.329	117	1217	1.107	ug/l	#	52
91) 1,2-Dichlorobenzene	14.100	146	3830	1.202	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	470	1.136	ug/l		98
93) 1,2,4-Trichlorobenzene	15.400	180	2092	1.209	ug/l		93
94) Hexachlorobutadiene	15.494	225	987	1.236	ug/l		80
95) Naphthalene	15.641	128	5242	1.063	ug/l		98
96) 1,2,3-Trichlorobenzene	15.835	180	1849	1.120	ug/l		94

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085010.D
Acq On : 22 Nov 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Nov 23 02:01:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

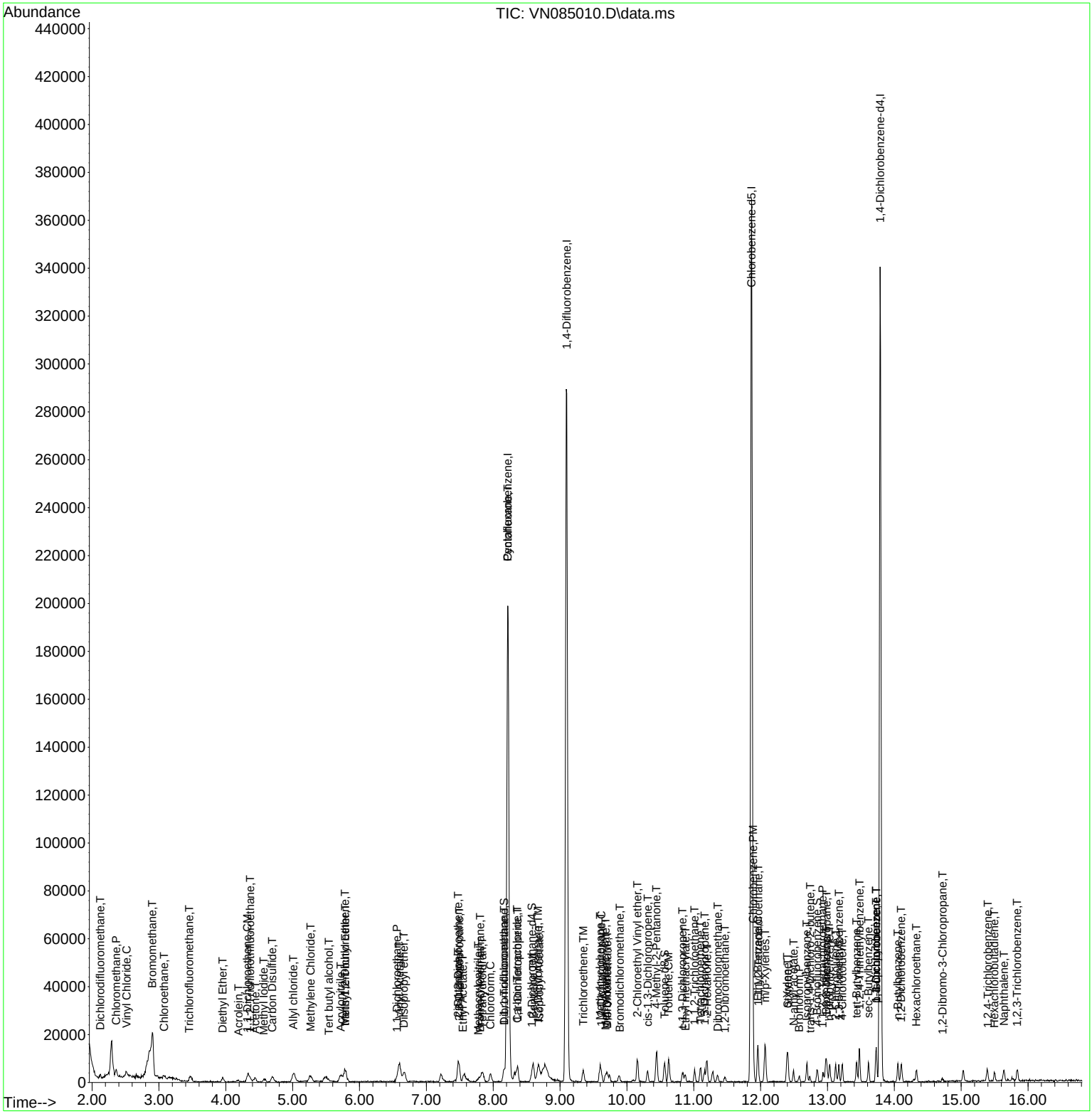
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

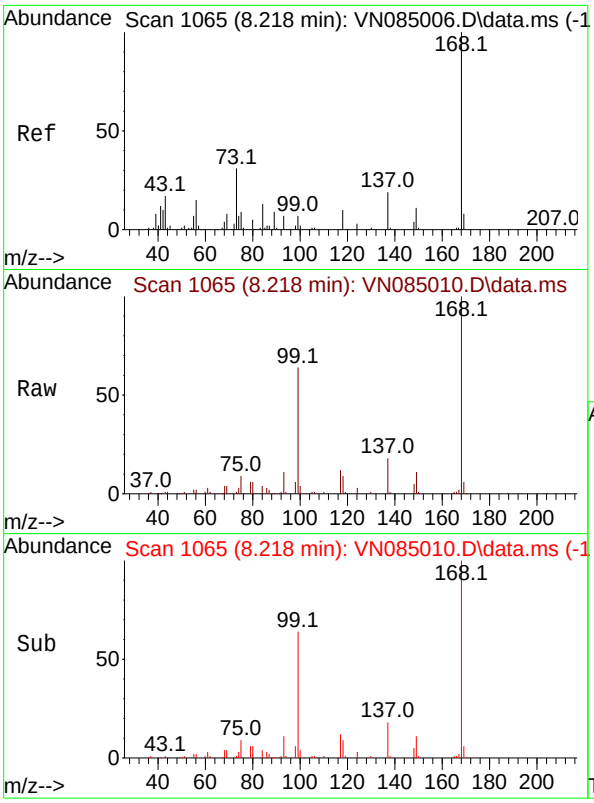
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085010.D
Acq On : 22 Nov 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Nov 23 02:01:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration



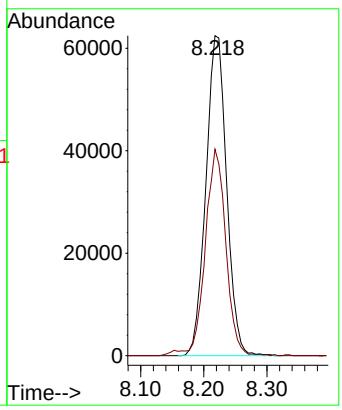


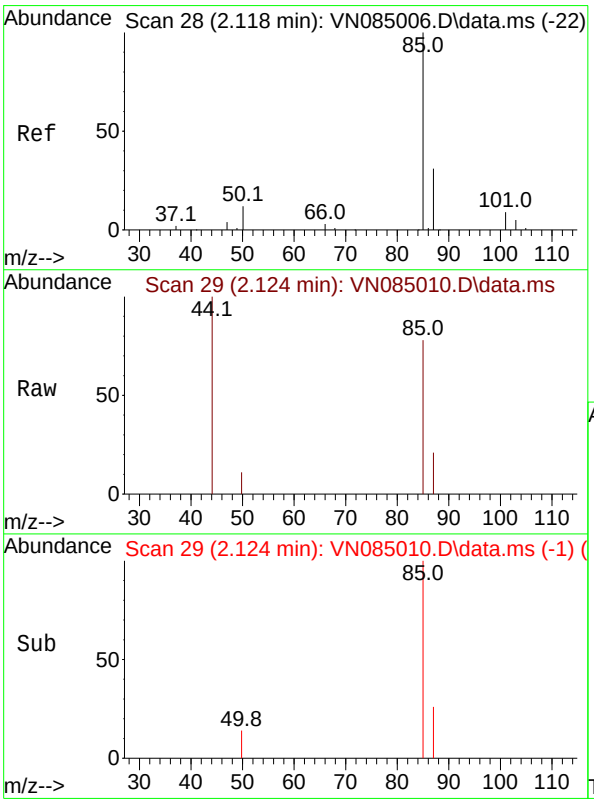
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 142307

Ion	Ratio	Lower	Upper
168	100		
99	64.5	51.2	76.8

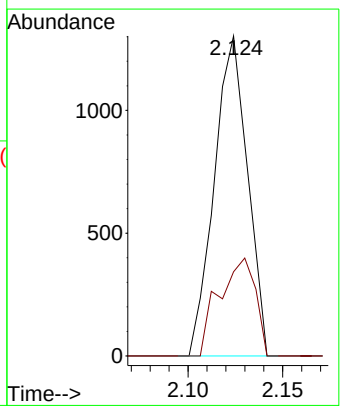


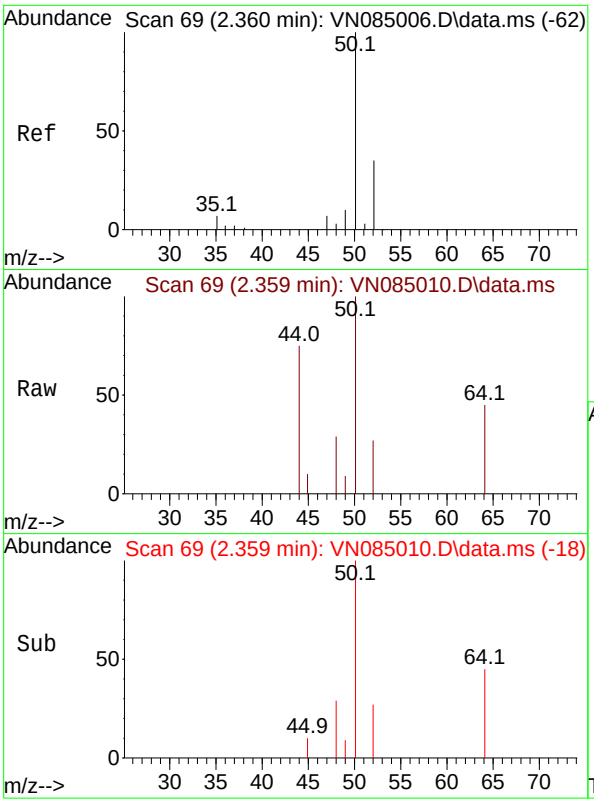


#2
Dichlorodifluoromethane
Concen: 0.987 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 85 Resp: 1589

Ion	Ratio	Lower	Upper
85	100		
87	26.3	15.7	47.1



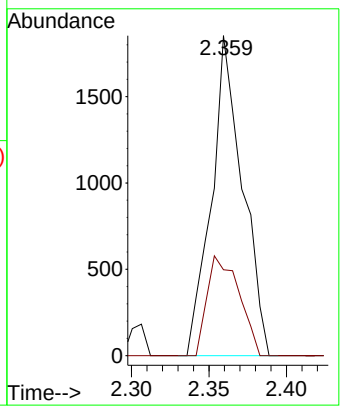


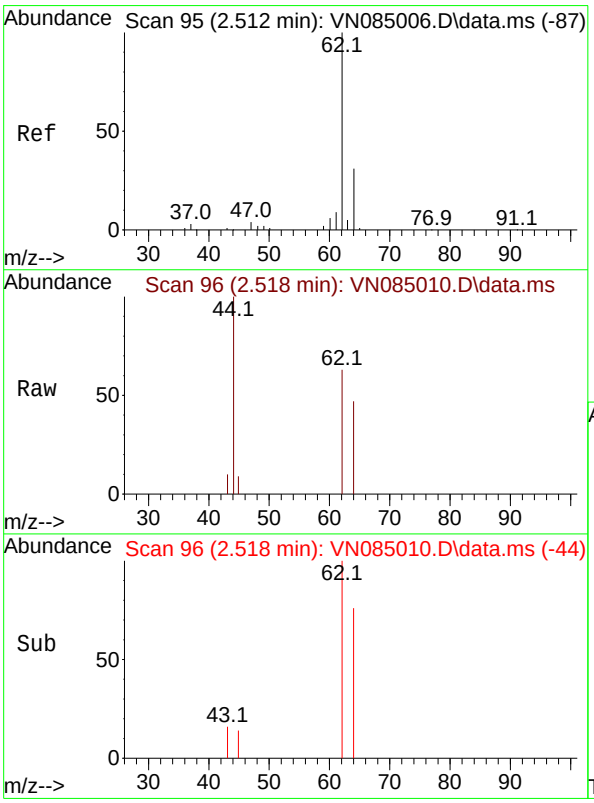
#3
Chloromethane
Concen: 1.382 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 2580

Ion	Ratio	Lower	Upper
50	100		
52	26.8	27.8	41.8#

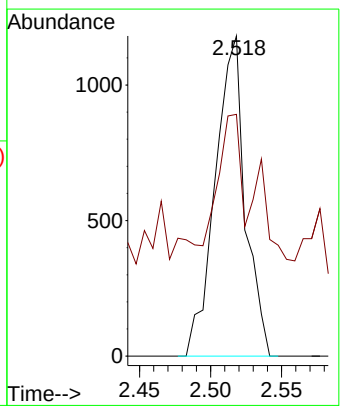


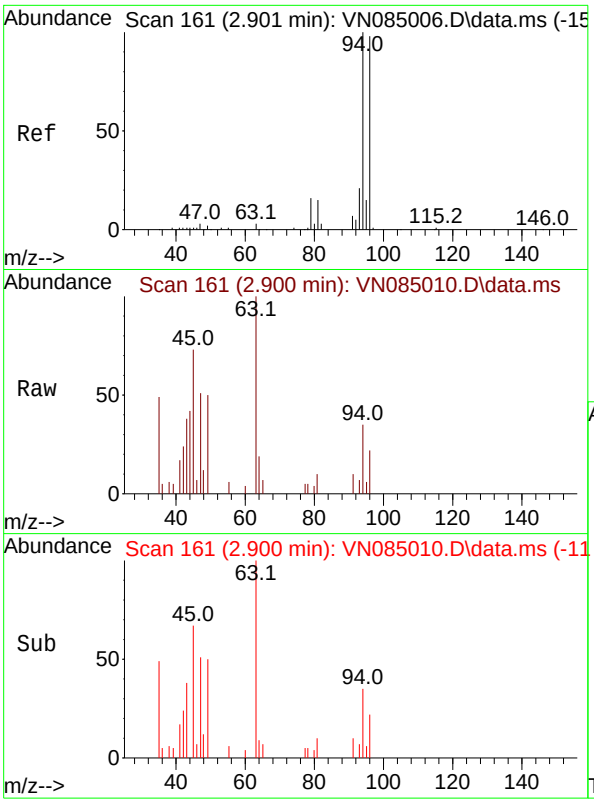


#4
Vinyl Chloride
Concen: 1.031 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 62 Resp: 1730

Ion	Ratio	Lower	Upper
62	100		
64	40.9	24.6	36.8#



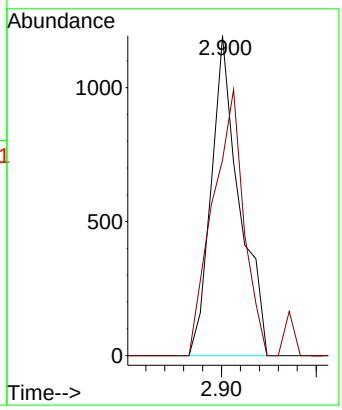


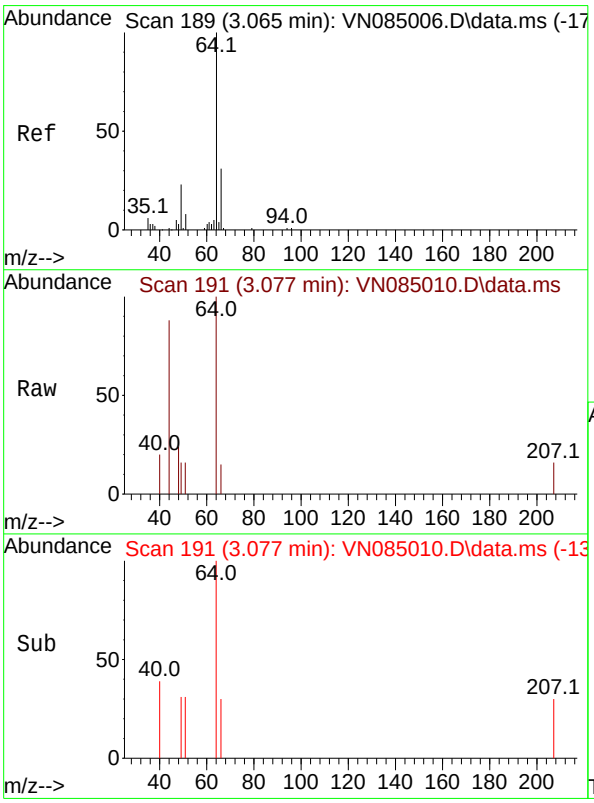
#5
Bromomethane
Concen: 1.309 ug/l
RT: 2.900 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 1231

Ion	Ratio	Lower	Upper
94	100		
96	61.1	78.7	118.1#

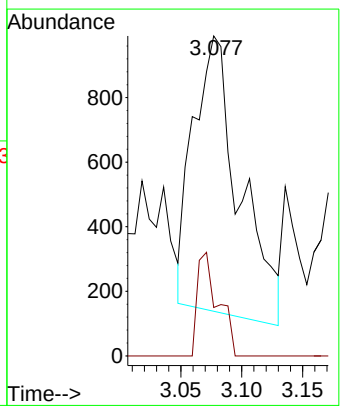


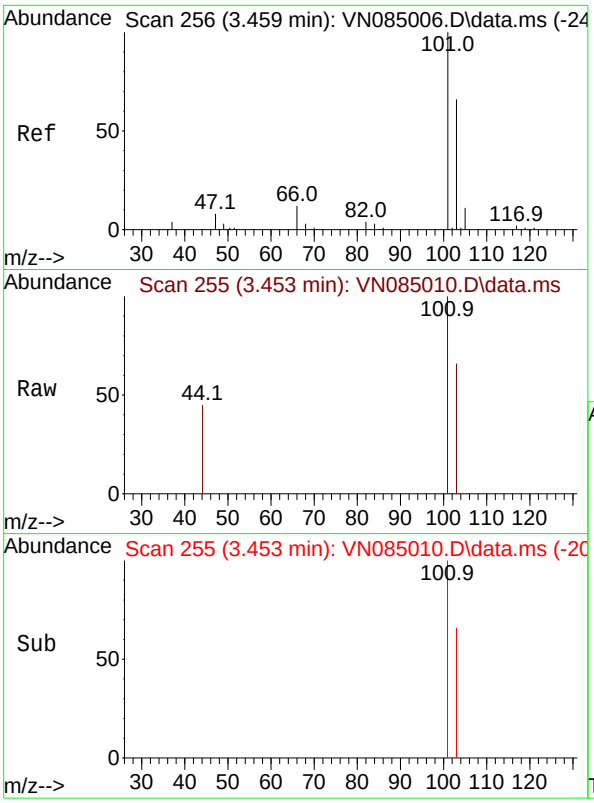


#6
Chloroethane
Concen: 1.997 ug/l
RT: 3.077 min Scan# 191
Delta R.T. 0.012 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 64 Resp: 2258

Ion	Ratio	Lower	Upper
64	100		
66	20.2	24.4	36.6#



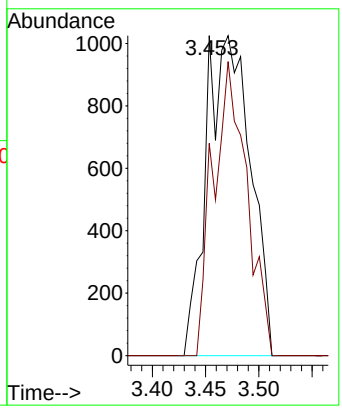


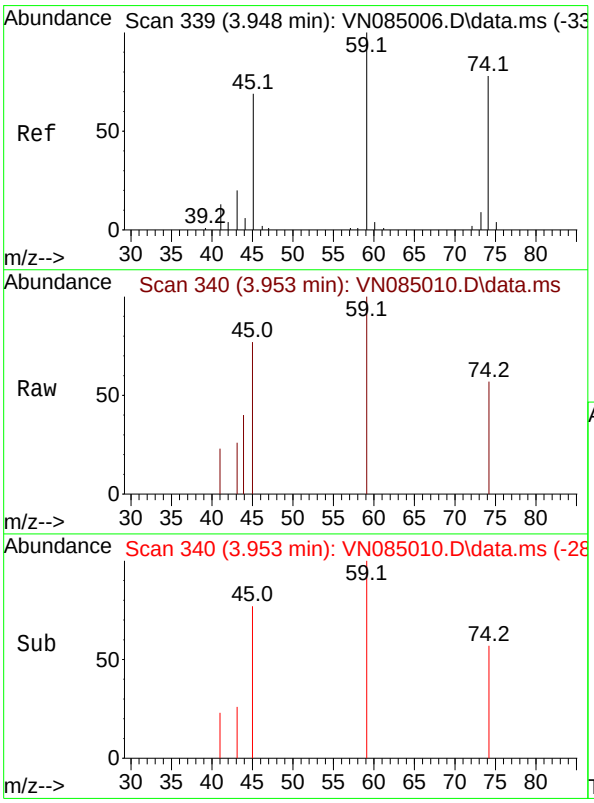
#7
Trichlorofluoromethane
Concen: 1.034 ug/l
RT: 3.453 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 2950

Ion	Ratio	Lower	Upper
101	100		
103	66.3	52.6	78.8

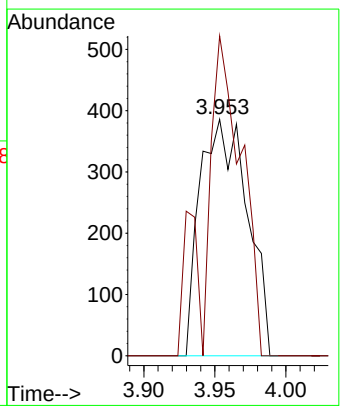


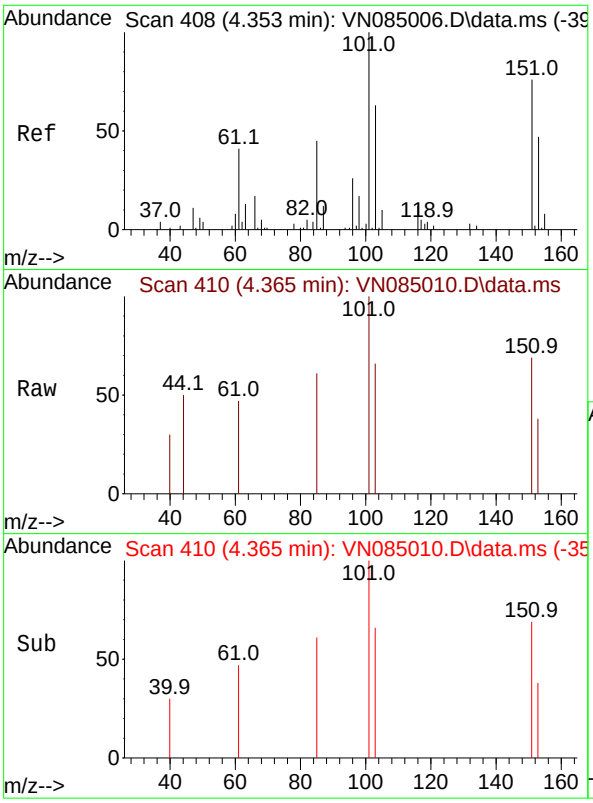


#8
Diethyl Ether
Concen: 0.925 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 74 Resp: 898

Ion	Ratio	Lower	Upper
74	100		
45	103.3	46.7	140.1



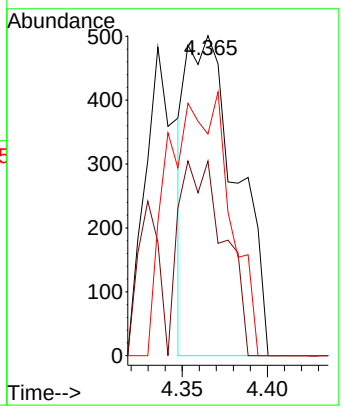


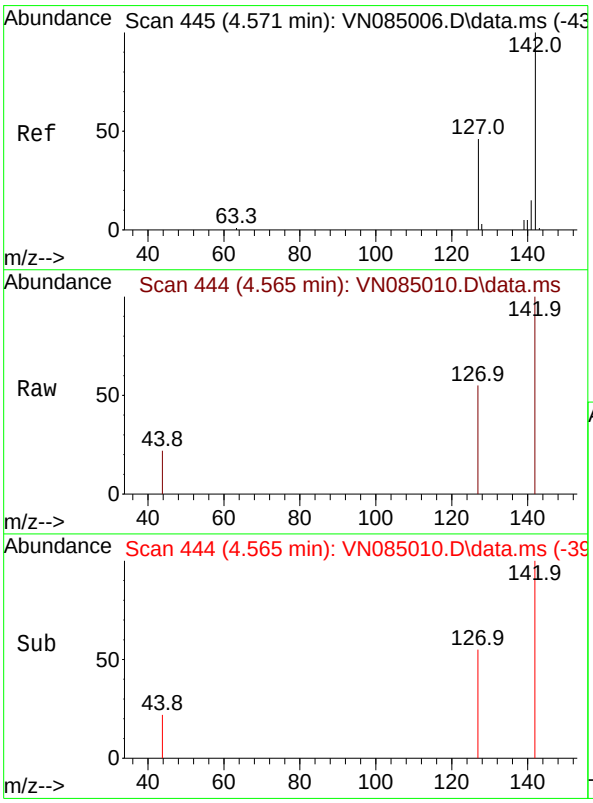
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.637 ug/l
RT: 4.365 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 1031

Ion	Ratio	Lower	Upper
101	100		
85	55.3	36.9	55.3
151	99.6	60.8	91.2#

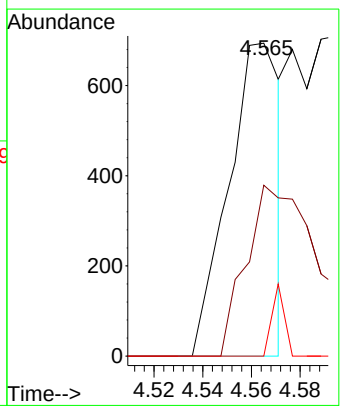


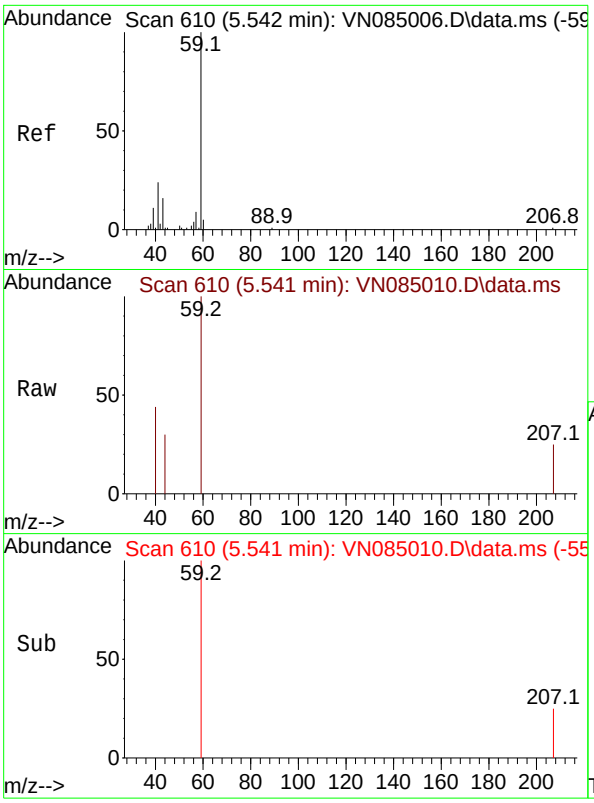


#10
Methyl Iodide
Concen: 0.476 ug/l
RT: 4.565 min Scan# 444
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:142 Resp: 1019

Ion	Ratio	Lower	Upper
142	100		
127	54.6	36.6	54.8
141	0.0	12.2	18.4#



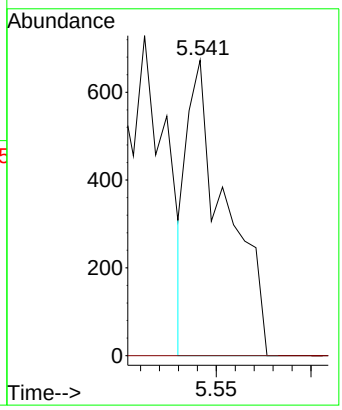


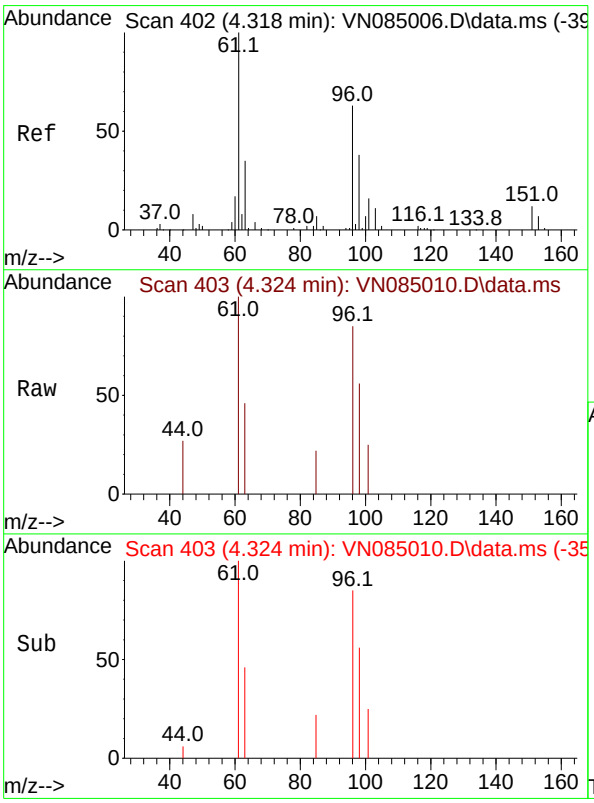
#11
Tert butyl alcohol
Concen: 3.551 ug/l
RT: 5.541 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 962

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.4	11.0#

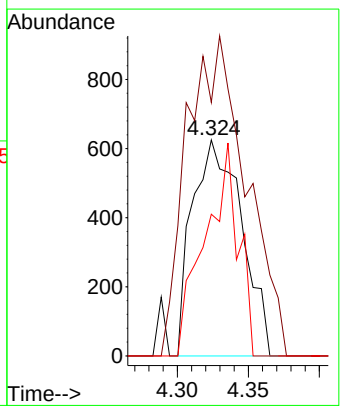


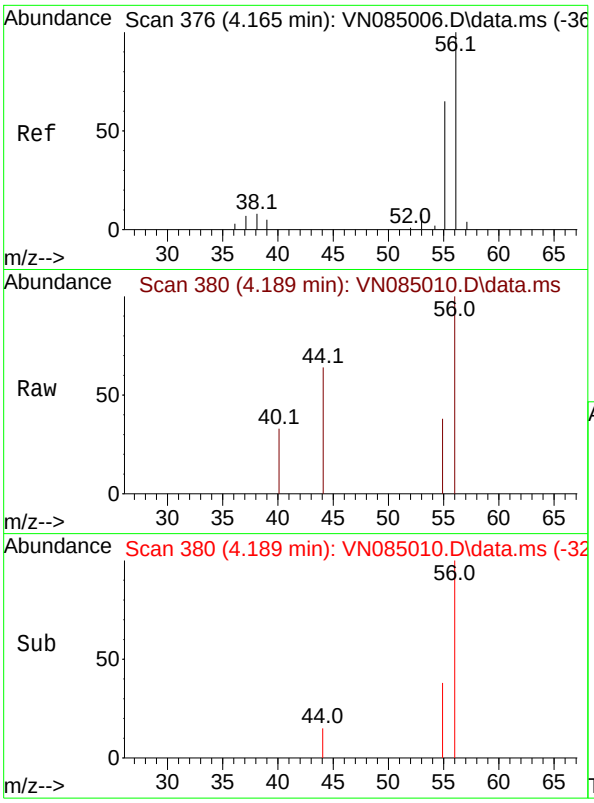


#12
1,1-Dichloroethene
Concen: 1.000 ug/l
RT: 4.324 min Scan# 403
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 96 Resp: 1511

Ion	Ratio	Lower	Upper
96	100		
61	90.6	127.8	191.8#
98	65.6	49.2	73.8



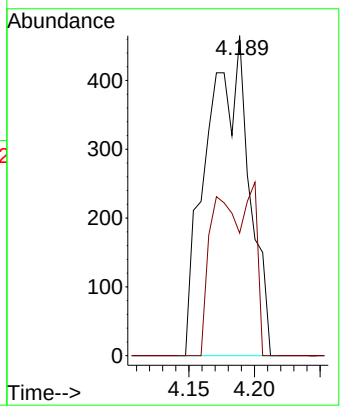


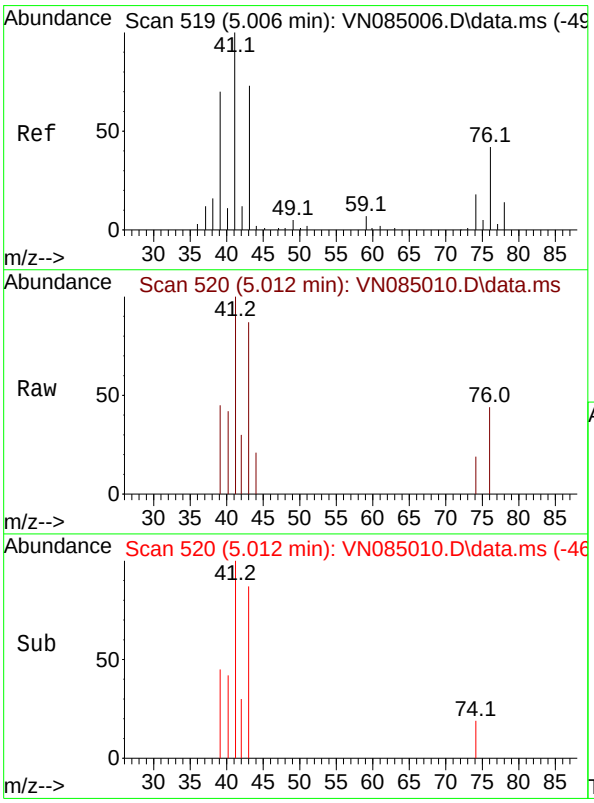
#13
Acrolein
Concen: 5.759 ug/l
RT: 4.189 min Scan# 3
Delta R.T. 0.023 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 1041

Ion	Ratio	Lower	Upper
56	100		
55	50.4	54.5	81.7#

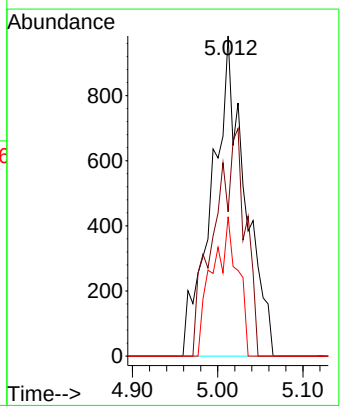


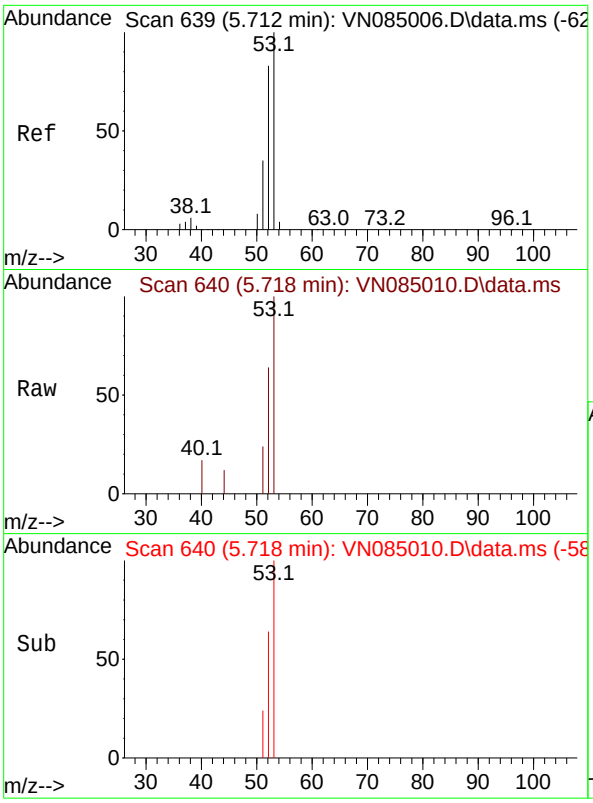


#14
Allyl chloride
Concen: 1.046 ug/l
RT: 5.012 min Scan# 520
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 41 Resp: 2663

Ion	Ratio	Lower	Upper
41	100		
39	67.4	53.8	80.8
76	33.0	29.3	43.9



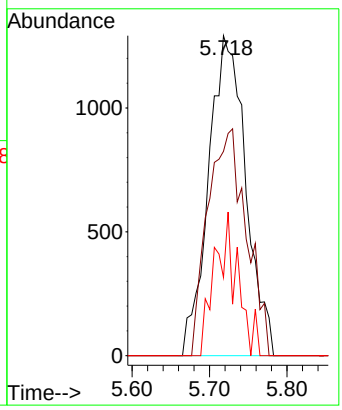


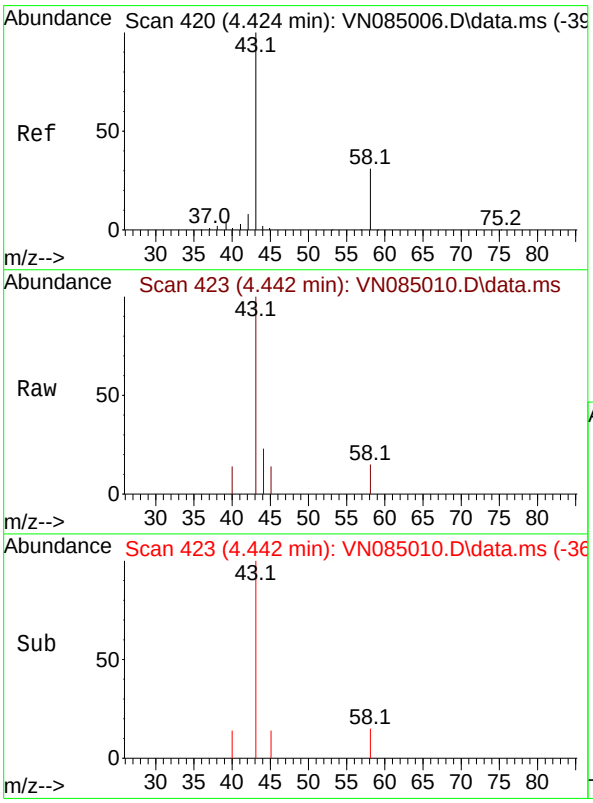
#15
Acrylonitrile
Concen: 5.625 ug/l
RT: 5.718 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 53 Resp: 4314

Ion	Ratio	Lower	Upper
53	100		
52	73.5	65.5	98.3
51	0.0	28.4	42.6#

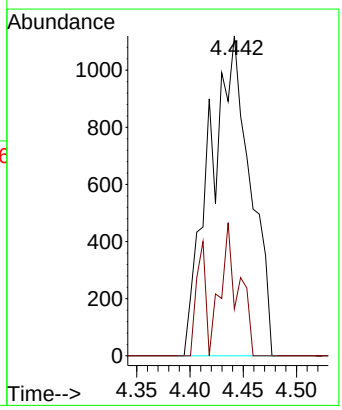


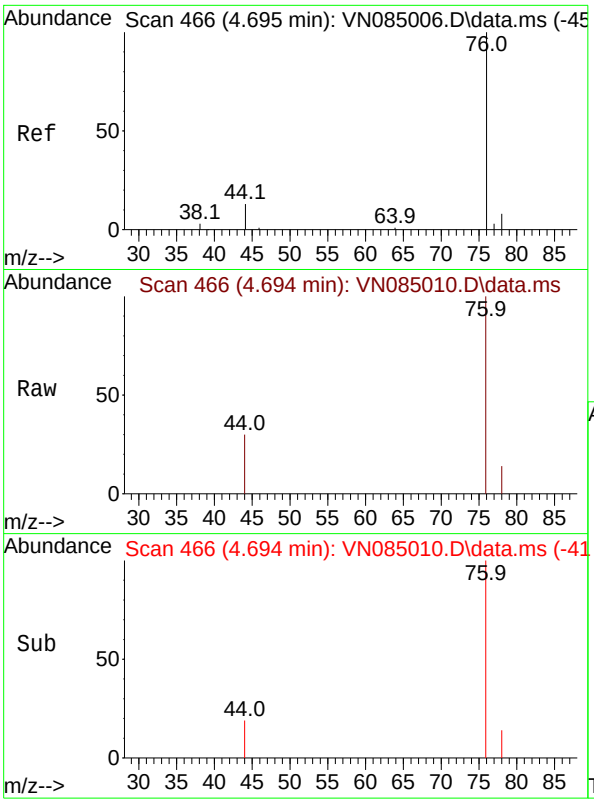


#16
Acetone
Concen: 5.036 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 43 Resp: 2973

Ion	Ratio	Lower	Upper
43	100		
58	14.6	25.4	38.2#



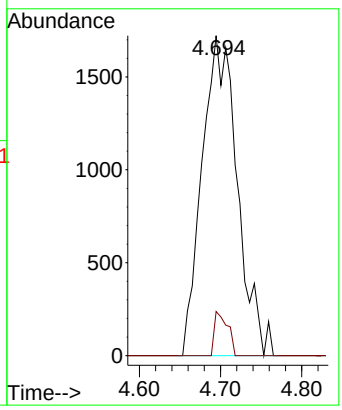


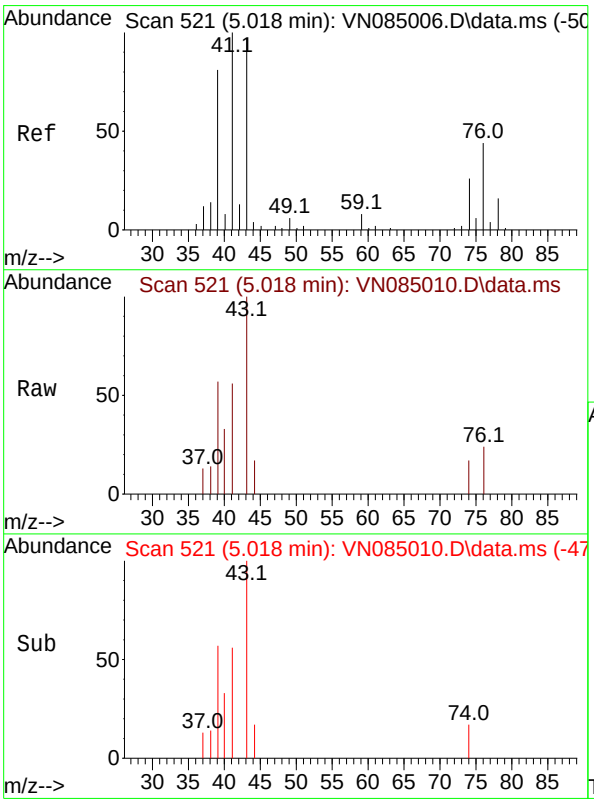
#17
Carbon Disulfide
Concen: 1.168 ug/l
RT: 4.694 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 5206

Ion	Ratio	Lower	Upper
76	100		
78	13.8	6.5	9.7#

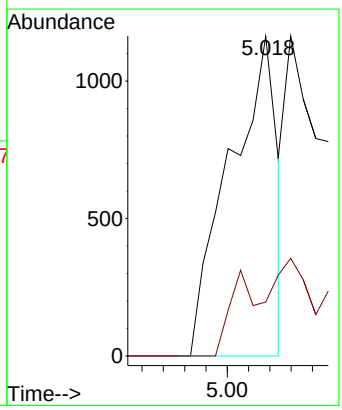


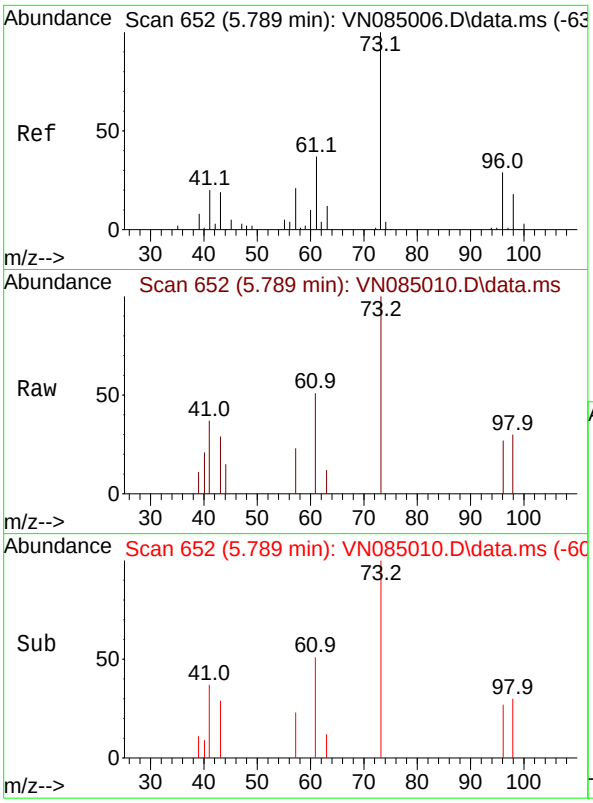


#18
Methyl Acetate
Concen: Below Cal
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 43 Resp: 1793

Ion	Ratio	Lower	Upper
43	100		
74	25.8	20.1	30.1



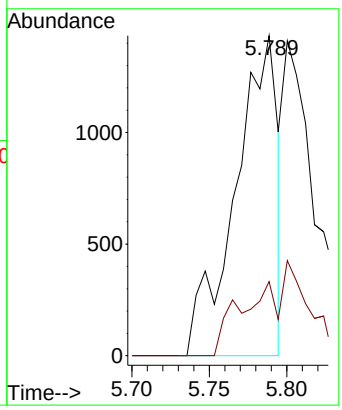


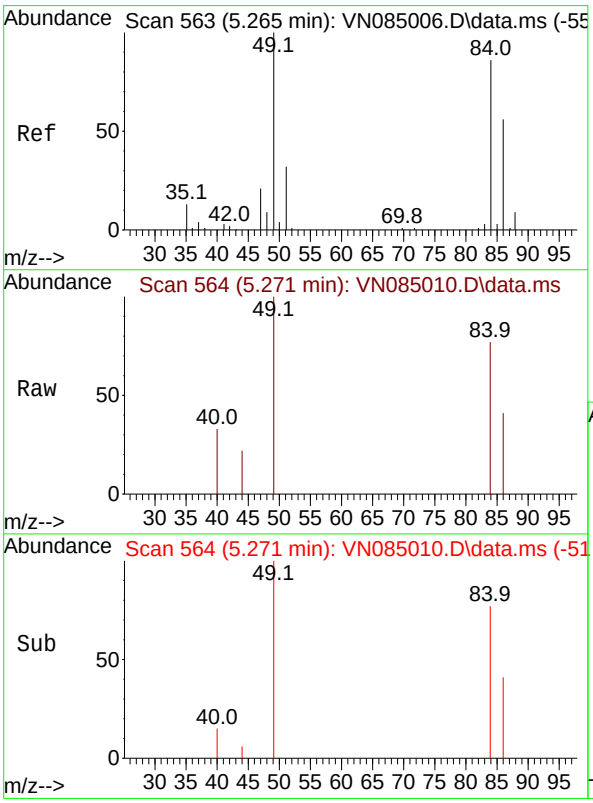
#19
Methyl tert-butyl Ether
Concen: 0.552 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 2724

Ion	Ratio	Lower	Upper
73	100		
57	23.2	17.0	25.4

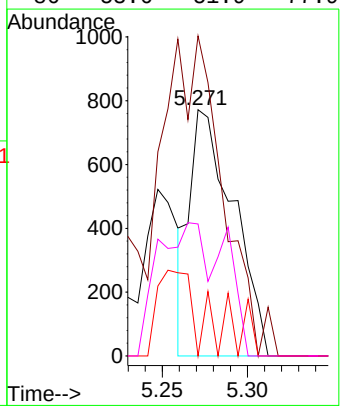


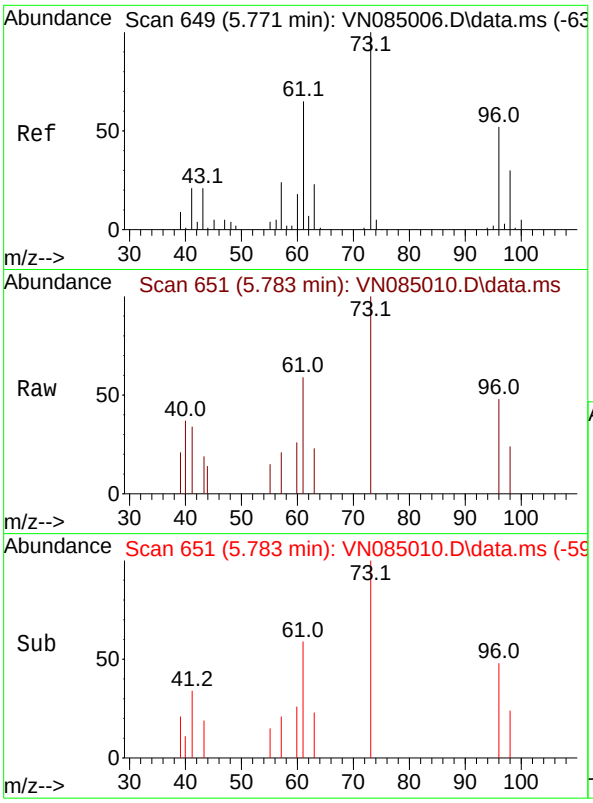


#20
Methylene Chloride
Concen: 0.765 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 84 Resp: 1379

Ion	Ratio	Lower	Upper
84	100		
49	129.9	92.7	139.1
51	0.0	29.4	44.2#
86	53.6	51.9	77.9



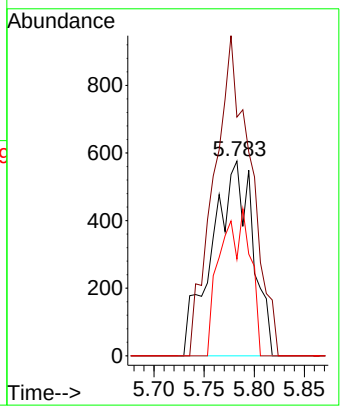


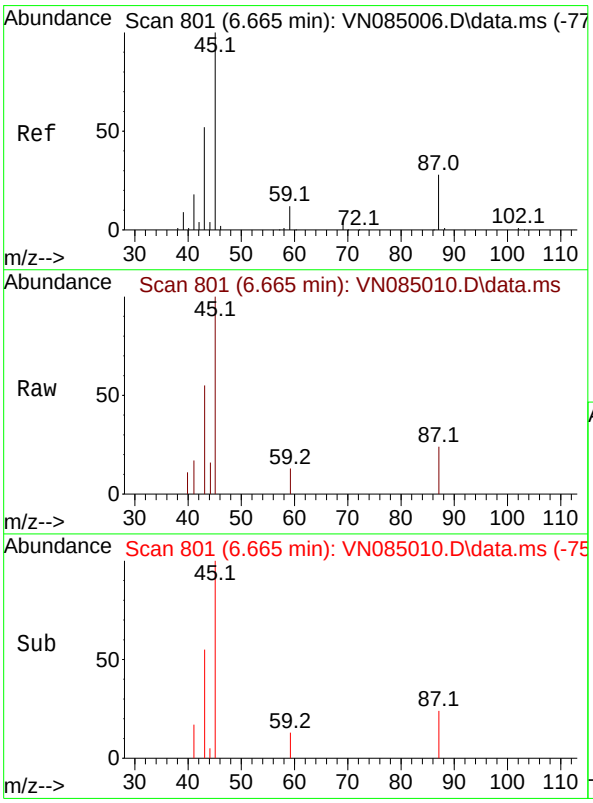
#21
trans-1,2-Dichloroethene
Concen: 1.022 ug/l
RT: 5.783 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 1624

Ion	Ratio	Lower	Upper
96	100		
61	122.6	100.7	151.1
98	49.7	45.8	68.6

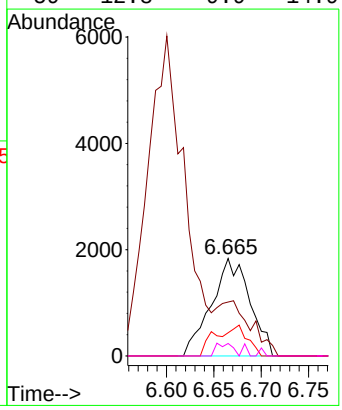


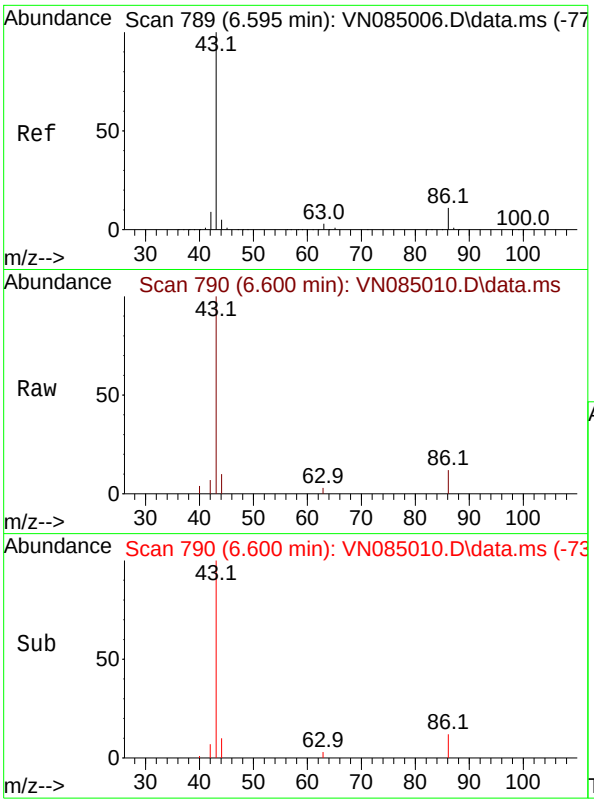


#22
Diisopropyl ether
Concen: 1.014 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 45 Resp: 5194

Ion	Ratio	Lower	Upper
45	100		
43	55.3	42.7	64.1
87	23.7	22.6	34.0
59	12.8	9.9	14.9



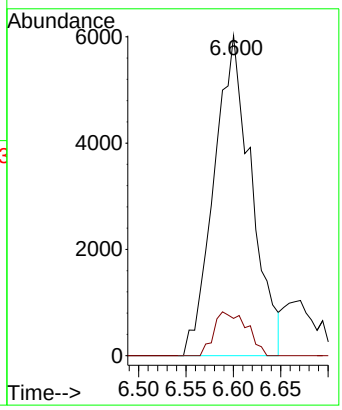


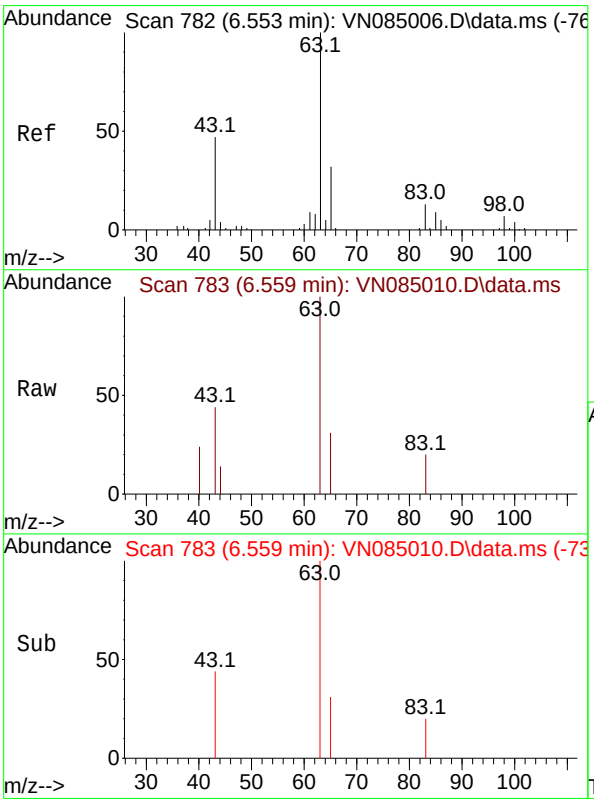
#23
Vinyl Acetate
Concen: 4.672 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 16519

Ion	Ratio	Lower	Upper
43	100		
86	11.6	8.9	13.3

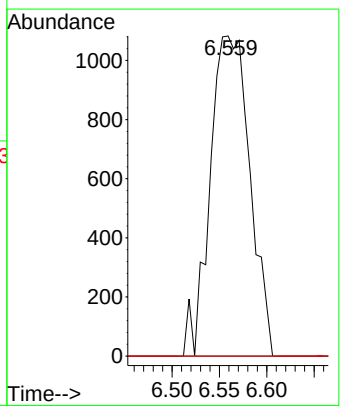


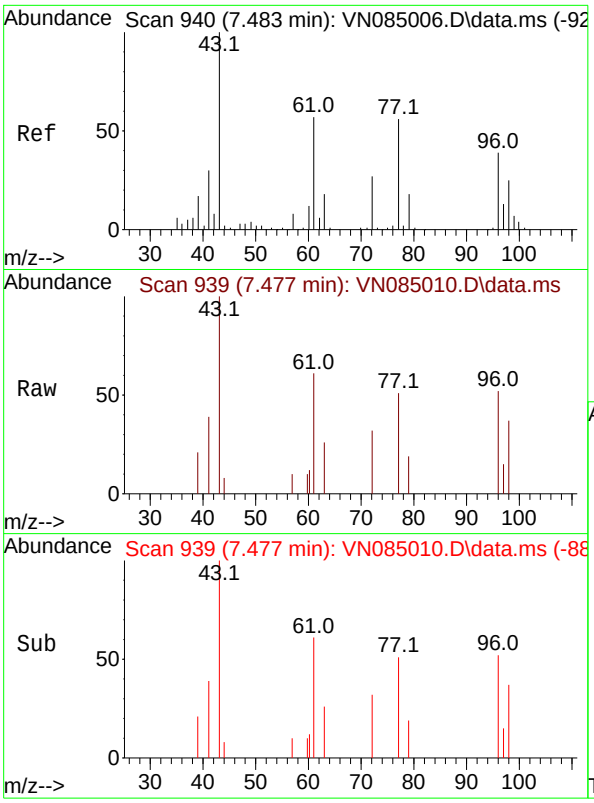


#24
1,1-Dichloroethane
Concen: 1.036 ug/l
RT: 6.559 min Scan# 783
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 63 Resp: 3177

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.3	9.8#
100	0.0	2.2	6.6#



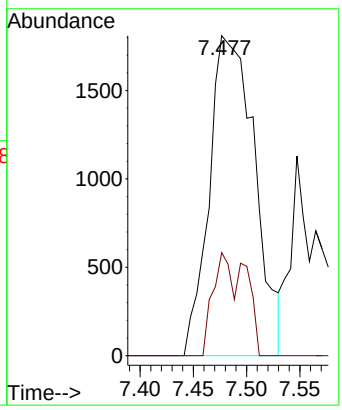


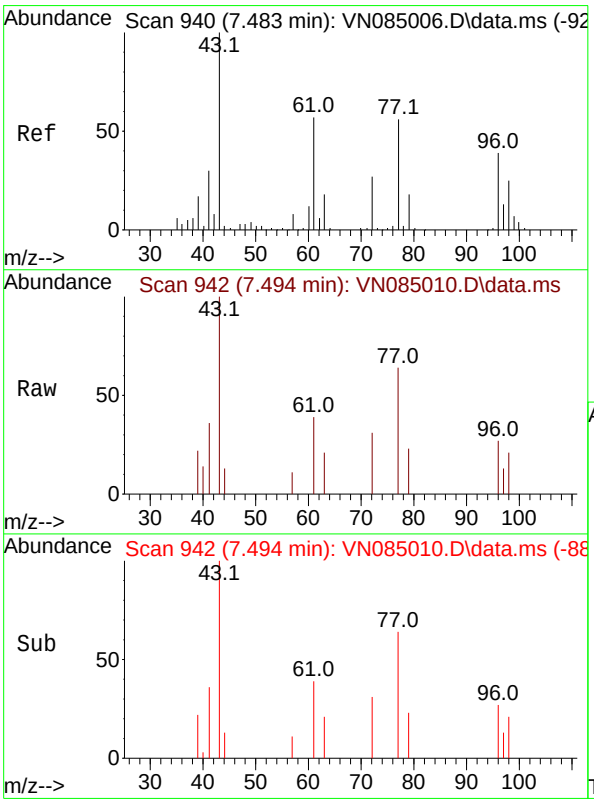
#25
2-Butanone
Concen: 5.556 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 5363

Ion	Ratio	Lower	Upper
43	100		
72	32.2	21.4	32.0#

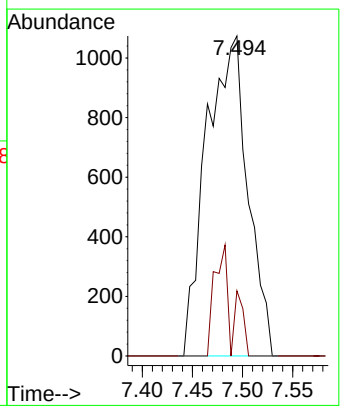


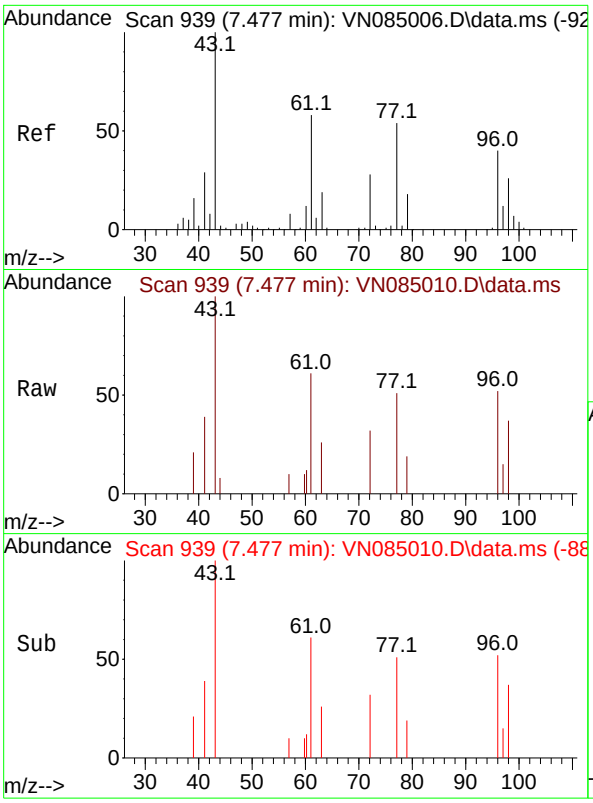


#26
2,2-Dichloropropane
Concen: 1.077 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 77 Resp: 3083

Ion	Ratio	Lower	Upper
77	100		
97	15.0	10.9	32.7



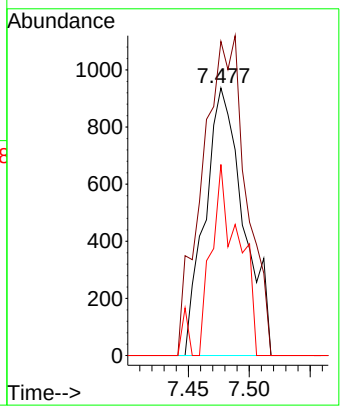


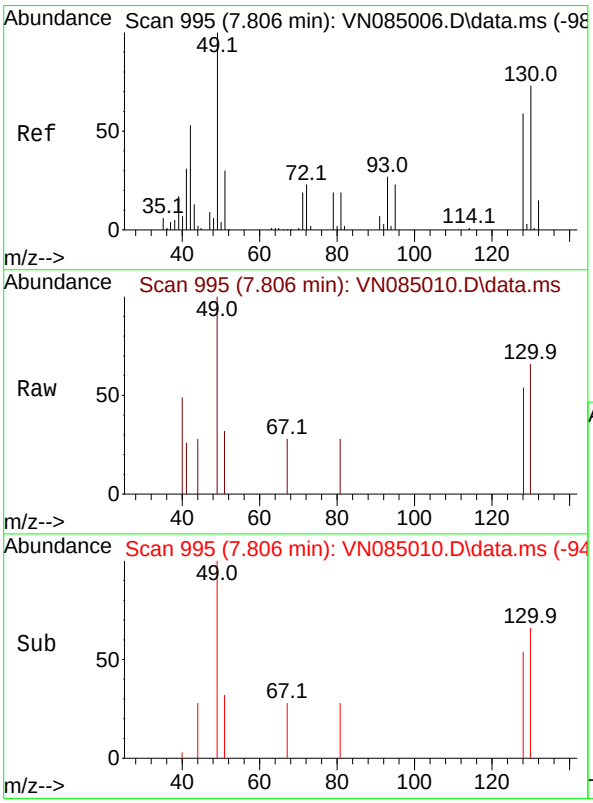
#27
cis-1,2-Dichloroethene
Concen: 1.082 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 2074

Ion	Ratio	Lower	Upper
96	100		
61	135.1	0.0	291.6
98	50.5	0.0	129.8

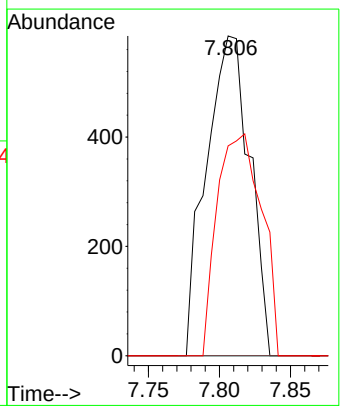


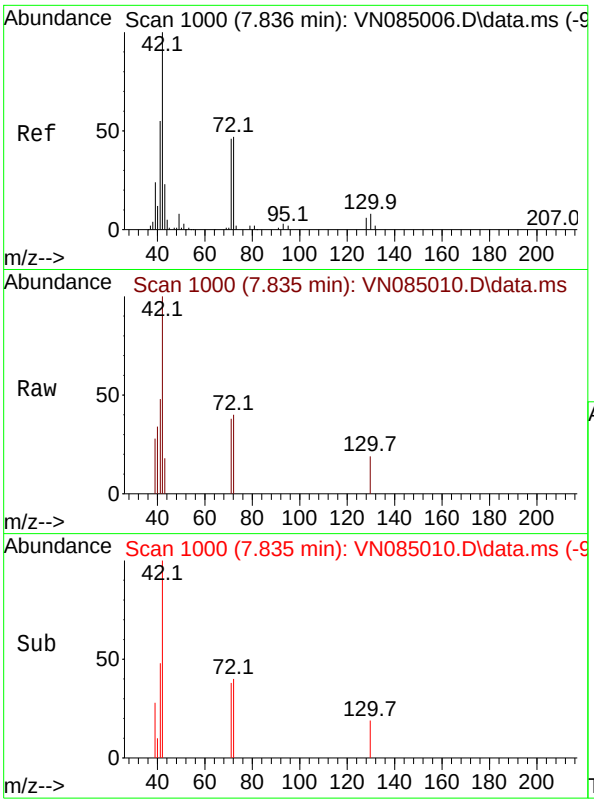


#28
Bromochloromethane
Concen: 1.078 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 49 Resp: 1248

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	70.8	60.6	90.8



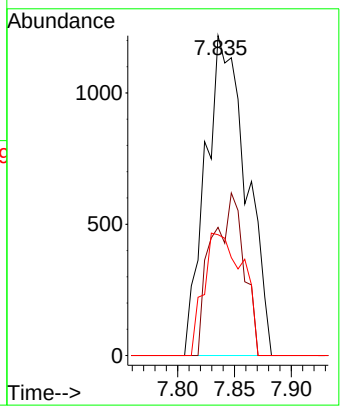


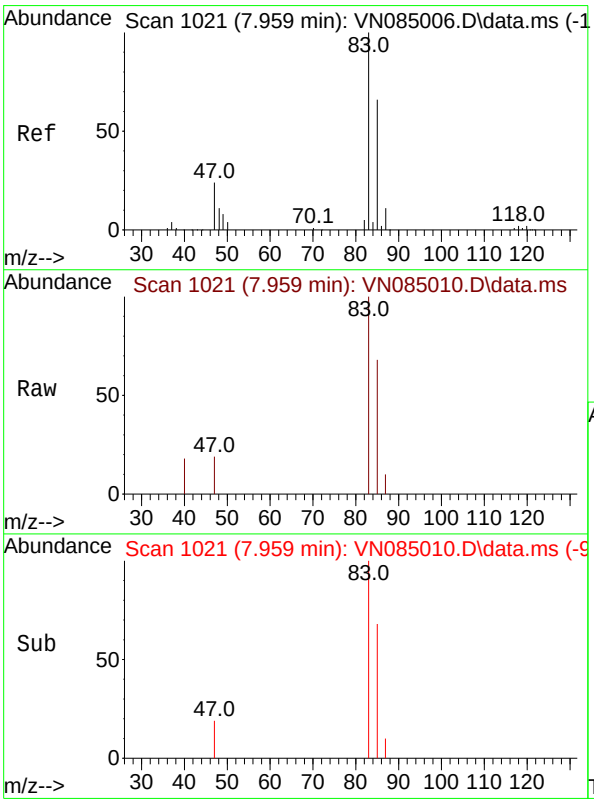
#29
Tetrahydrofuran
Concen: 5.061 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 3038

Ion	Ratio	Lower	Upper
42	100		
72	40.1	37.0	55.4
71	36.8	35.0	52.4

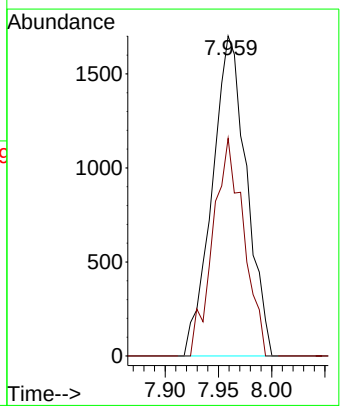


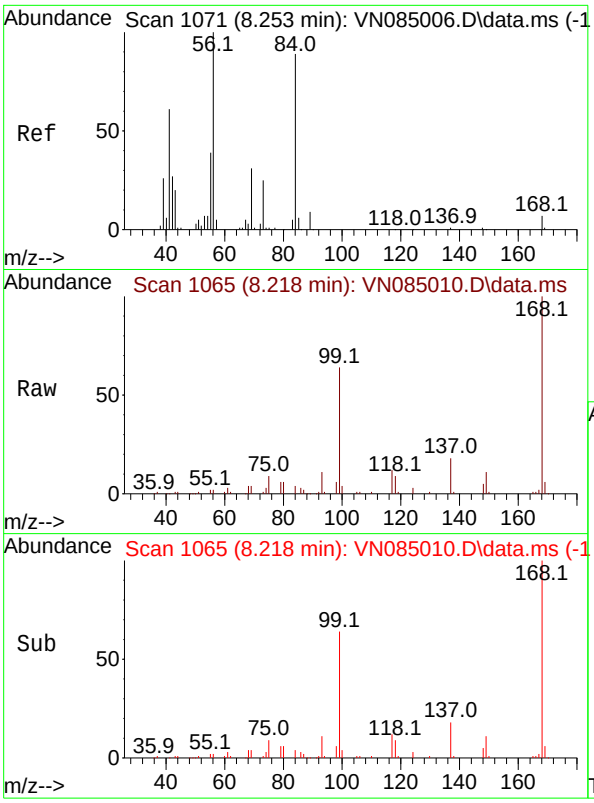


#30
Chloroform
Concen: 1.172 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 83 Resp: 3824

Ion	Ratio	Lower	Upper
83	100		
85	68.0	52.6	78.8



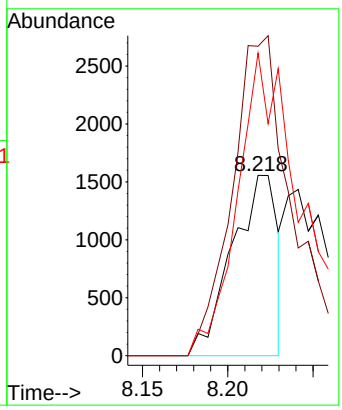


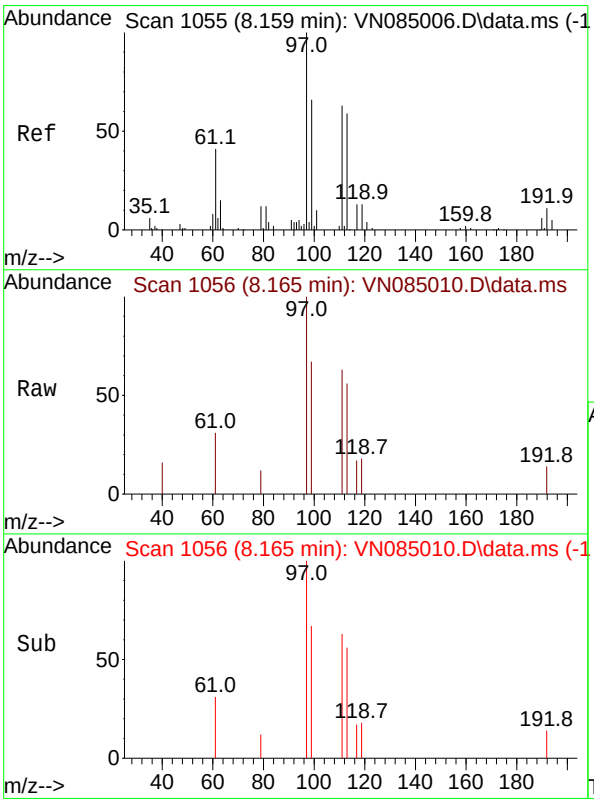
#31
Cyclohexane
Concen: 1.060 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.035 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 2861

Ion	Ratio	Lower	Upper
56	100		
69	171.7	24.6	36.8#
84	167.8	71.4	107.2#

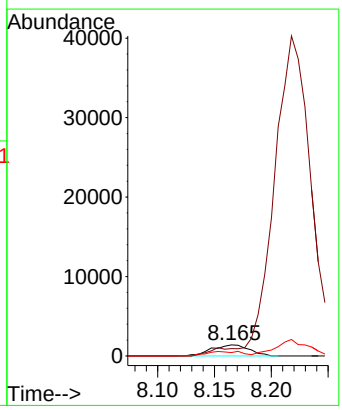


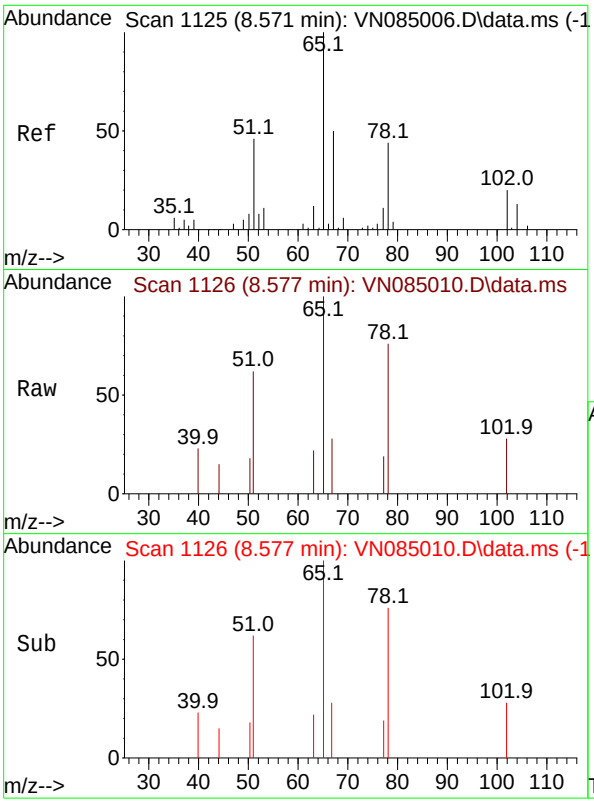


#32
1,1,1-Trichloroethane
Concen: 1.096 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 97 Resp: 3231

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.0	76.4#
61	38.6	36.2	54.2



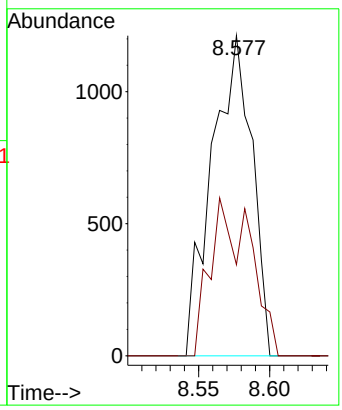


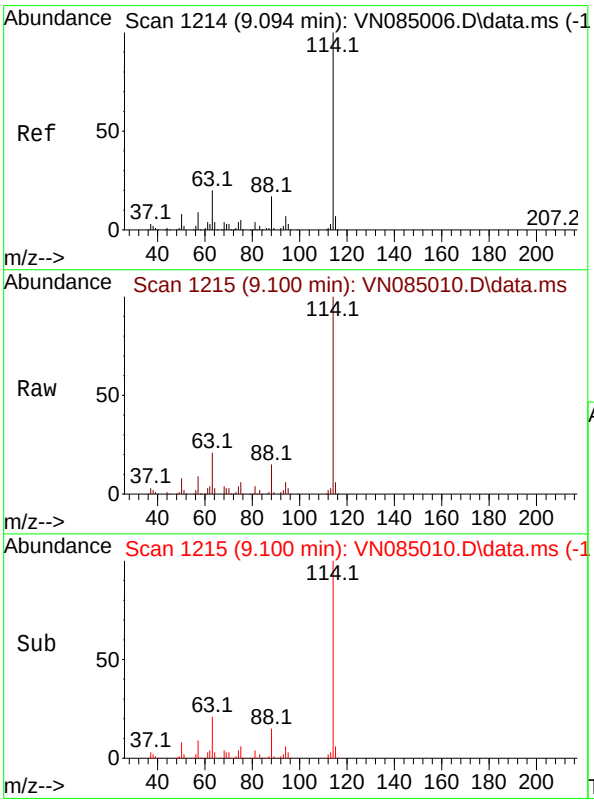
#33
1,2-Dichloroethane-d4
Concen: 1.171 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 2374

Ion	Ratio	Lower	Upper
65	100		
67	30.2	0.0	105.0

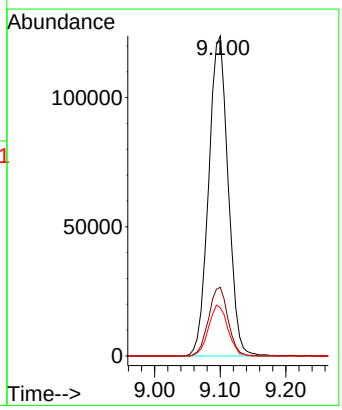


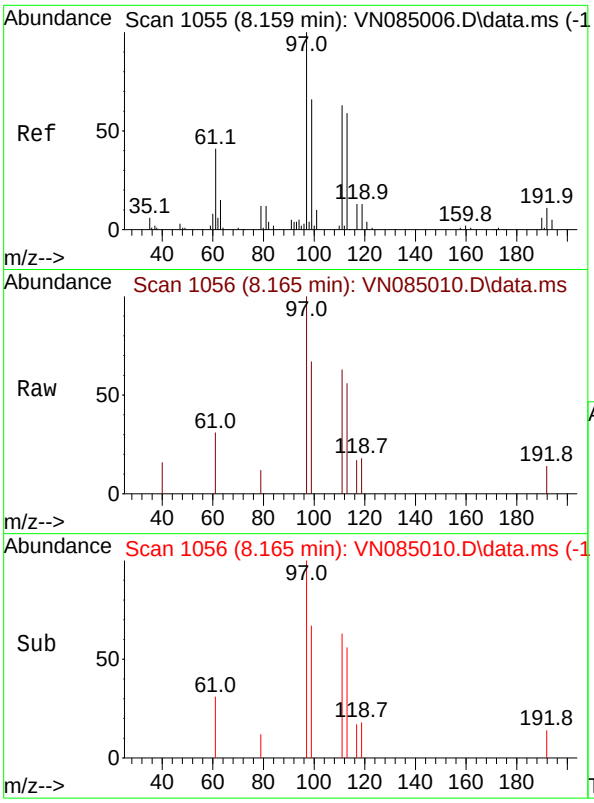


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:114 Resp: 255159

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	41.0
88	15.0	0.0	34.8



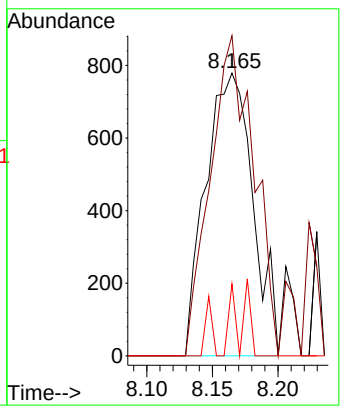


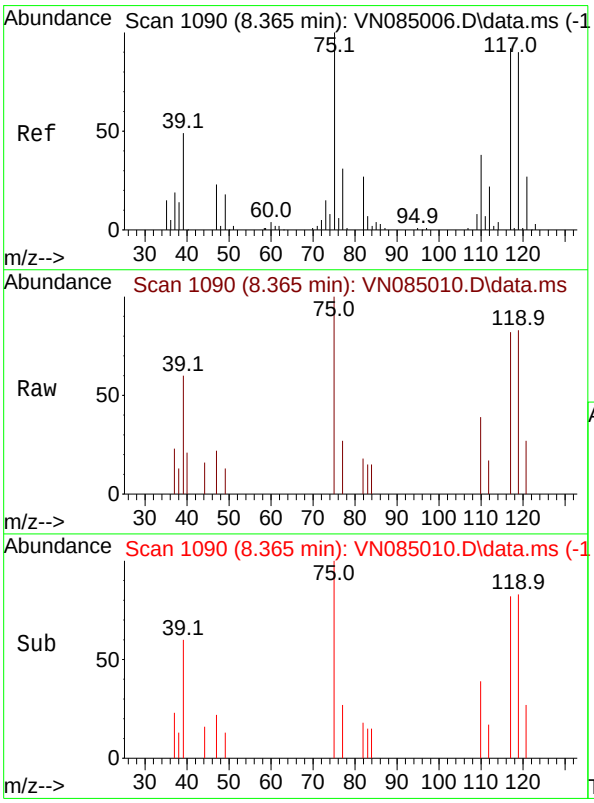
#35
Dibromofluoromethane
Concen: 1.133 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:113 Resp: 1949

Ion	Ratio	Lower	Upper
113	100		
111	104.5	82.0	123.0
192	7.4	14.8	22.2#

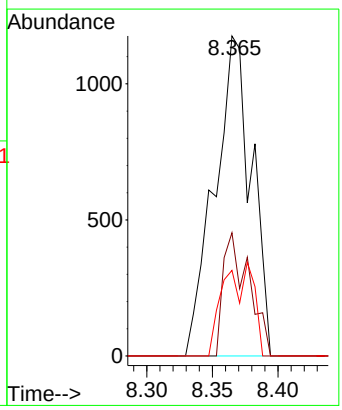


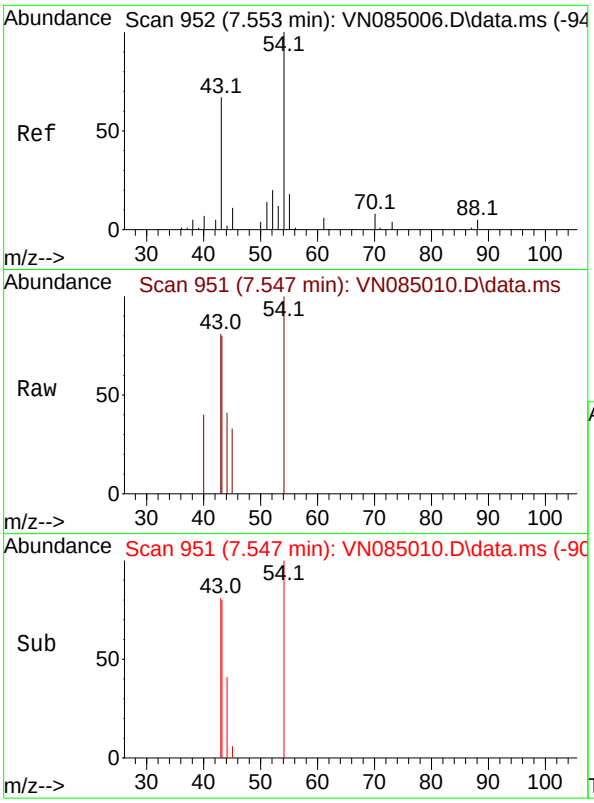


#36
1,1-Dichloropropene
Concen: 0.989 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 75 Resp: 2304

Ion	Ratio	Lower	Upper
75	100		
110	26.6	17.2	51.6
77	23.8	24.2	36.4#



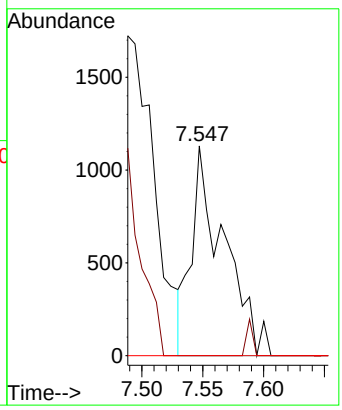


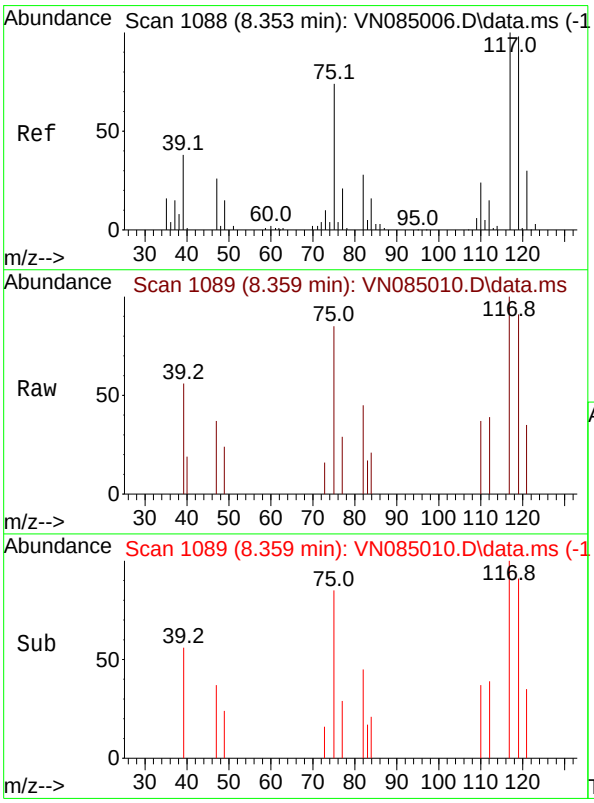
#37
Ethyl Acetate
Concen: 0.992 ug/l
RT: 7.547 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 2101

Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.7	17.5#
70	0.0	9.3	13.9#

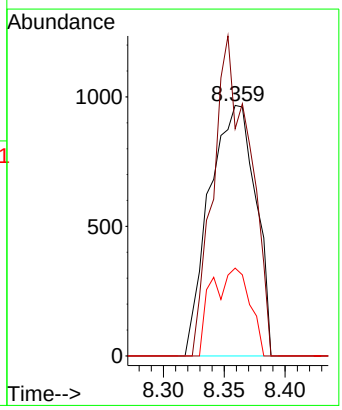


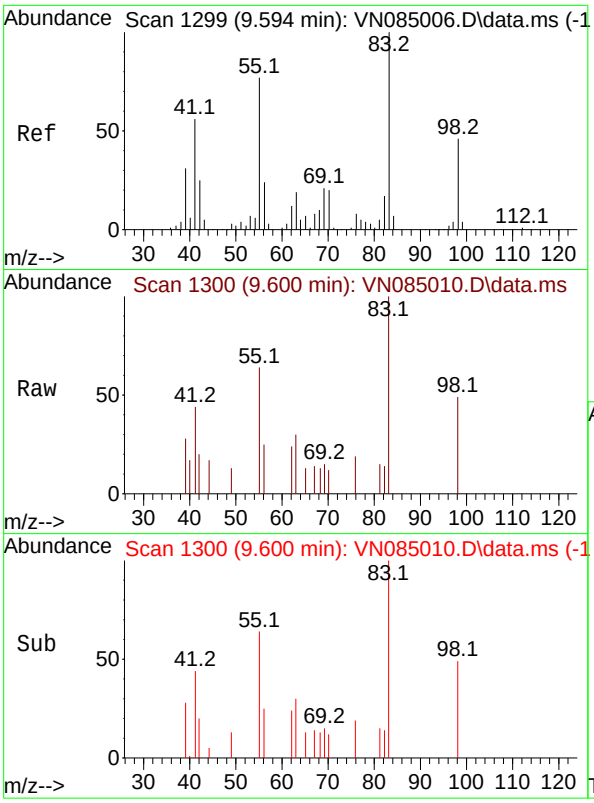


#38
Carbon Tetrachloride
Concen: 0.949 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:117 Resp: 2554

Ion	Ratio	Lower	Upper
117	100		
119	90.7	78.6	117.8
121	35.1	24.2	36.2



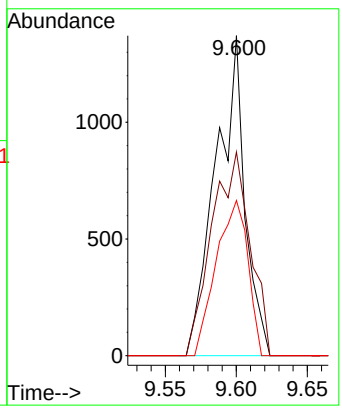


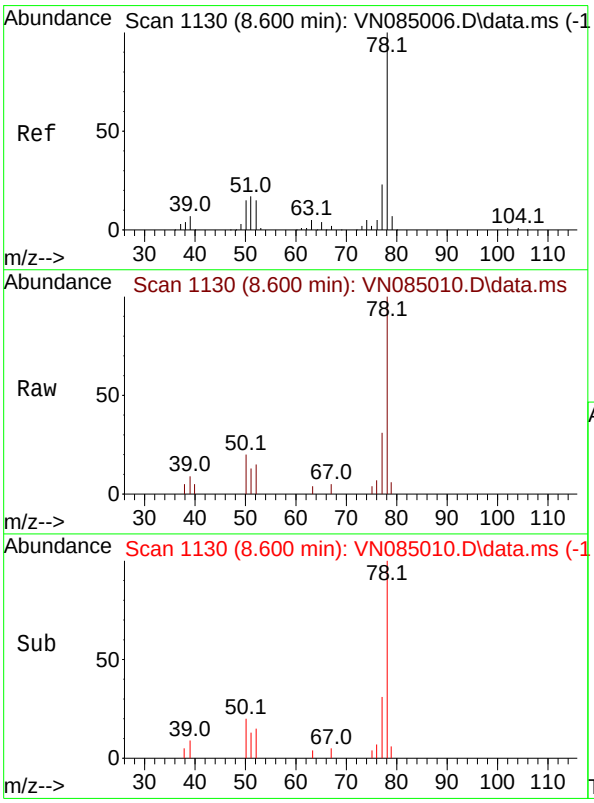
#39
Methylcyclohexane
Concen: 0.804 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 1948

Ion	Ratio	Lower	Upper
83	100		
55	63.7	61.8	92.6
98	48.5	37.0	55.6

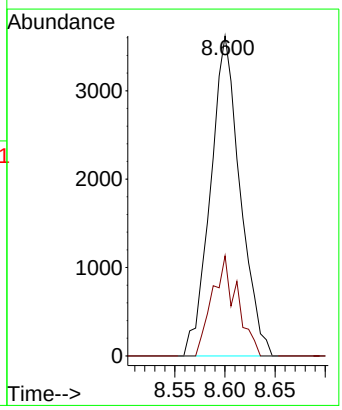


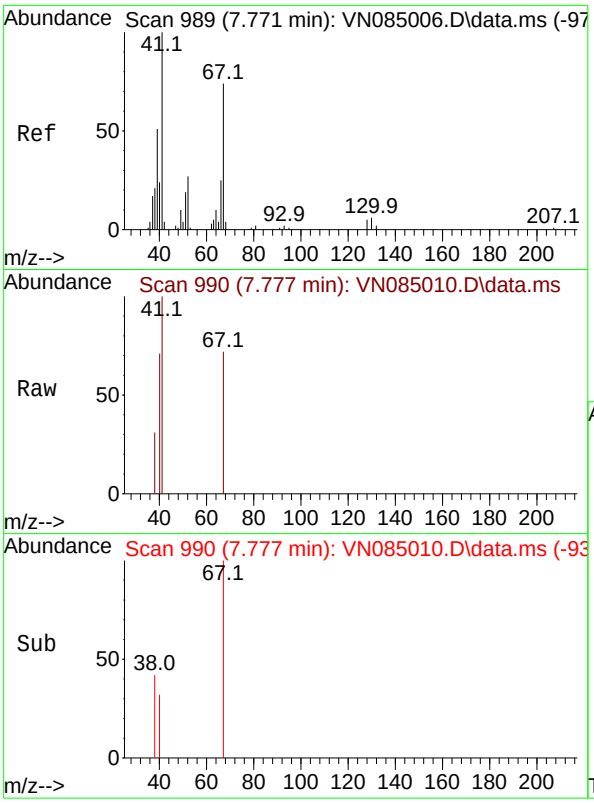


#40
Benzene
Concen: 1.012 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 78 Resp: 7459

Ion	Ratio	Lower	Upper
78	100		
77	31.3	18.5	27.7#



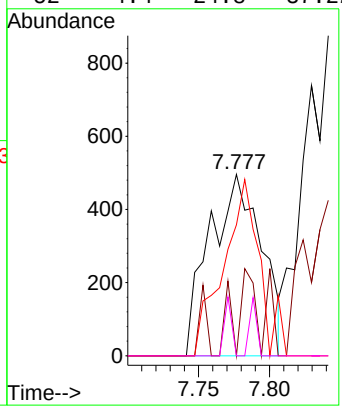


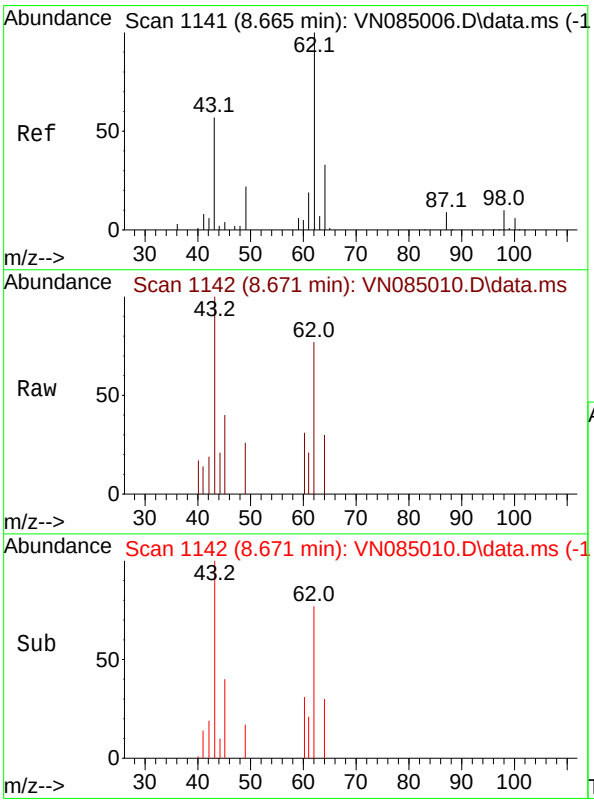
#41
Methacrylonitrile
Concen: 1.077 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 1263

Ion	Ratio	Lower	Upper
41	100		
39	17.9	42.6	63.8#
67	67.1	59.9	89.9
52	4.4	24.8	37.2#

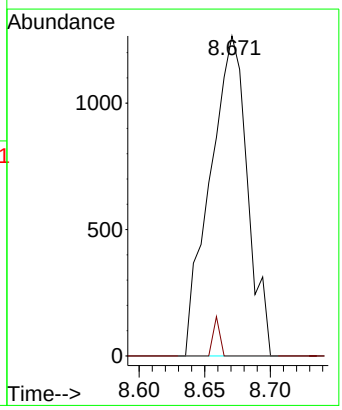


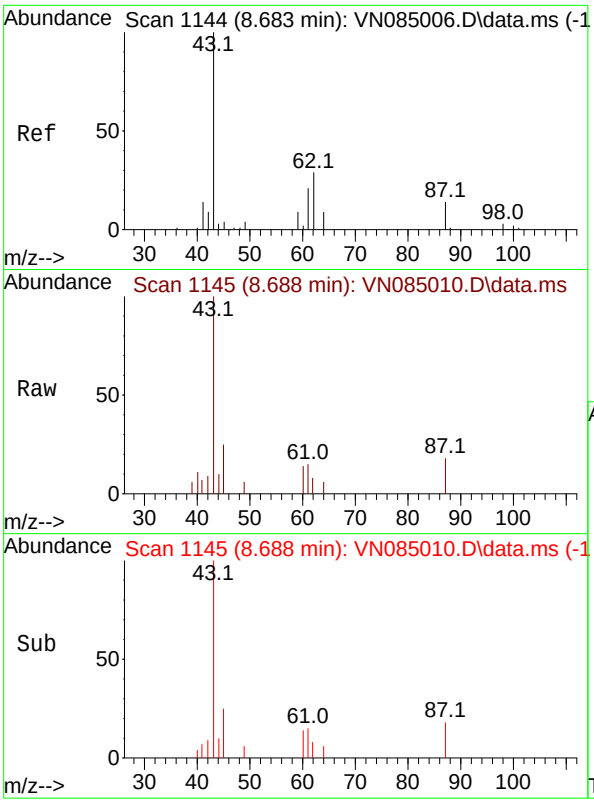


#42
1,2-Dichloroethane
Concen: 0.996 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 62 Resp: 2512

Ion	Ratio	Lower	Upper
62	100		
98	2.2	0.0	18.2



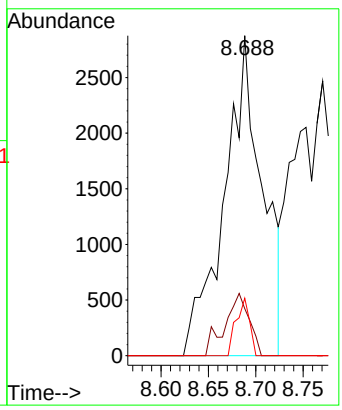


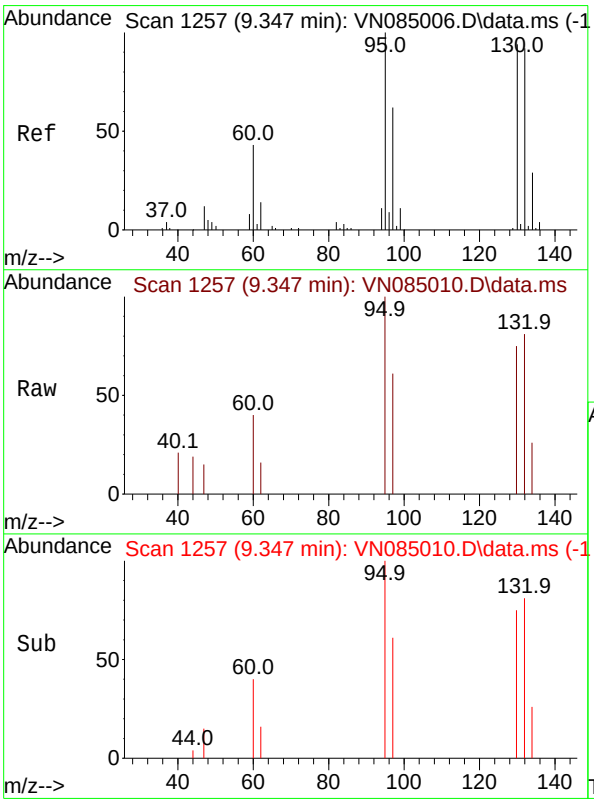
#43
Isopropyl Acetate
Concen: 1.821 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 8014

Ion	Ratio	Lower	Upper
43	100		
61	12.5	20.6	30.8#
87	6.3	11.0	16.4#

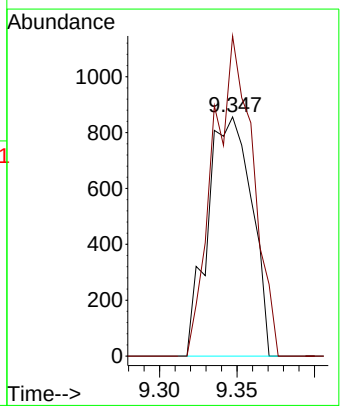


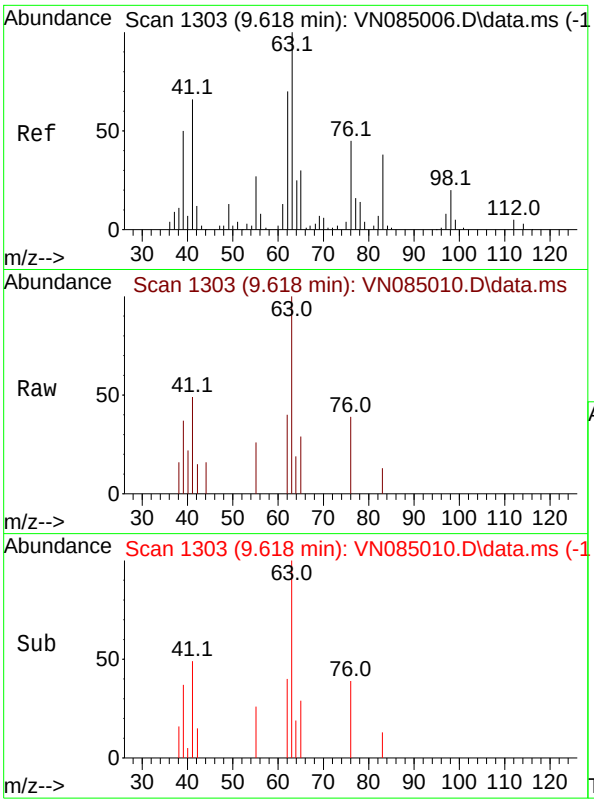


#44
Trichloroethene
Concen: 0.984 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:130 Resp: 1685

Ion	Ratio	Lower	Upper
130	100		
95	133.9	0.0	213.4



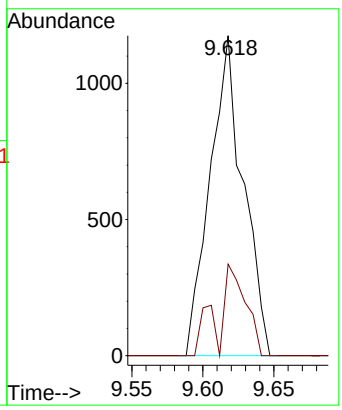


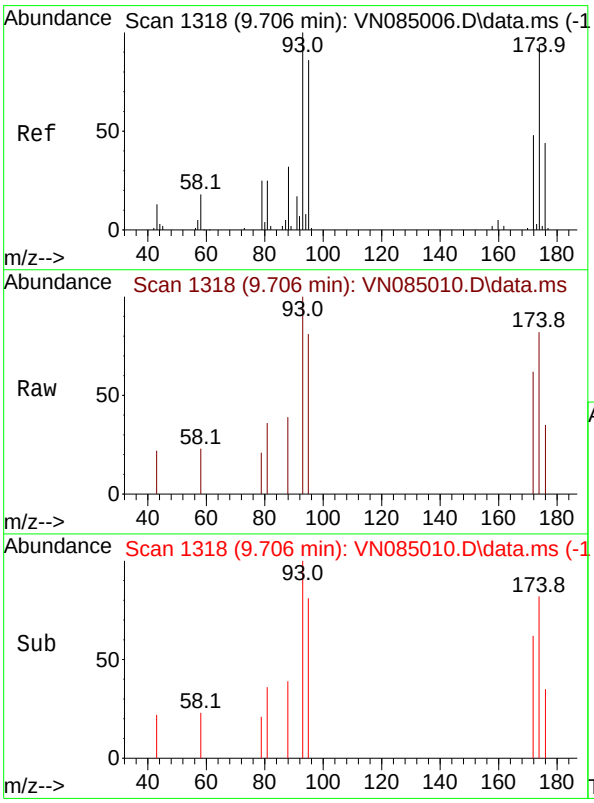
#45
1,2-Dichloropropane
Concen: 1.053 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 1911

Ion	Ratio	Lower	Upper
63	100		
65	28.6	24.0	36.0

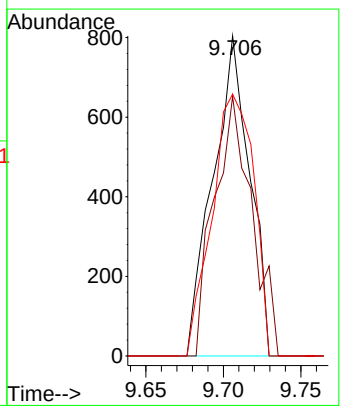


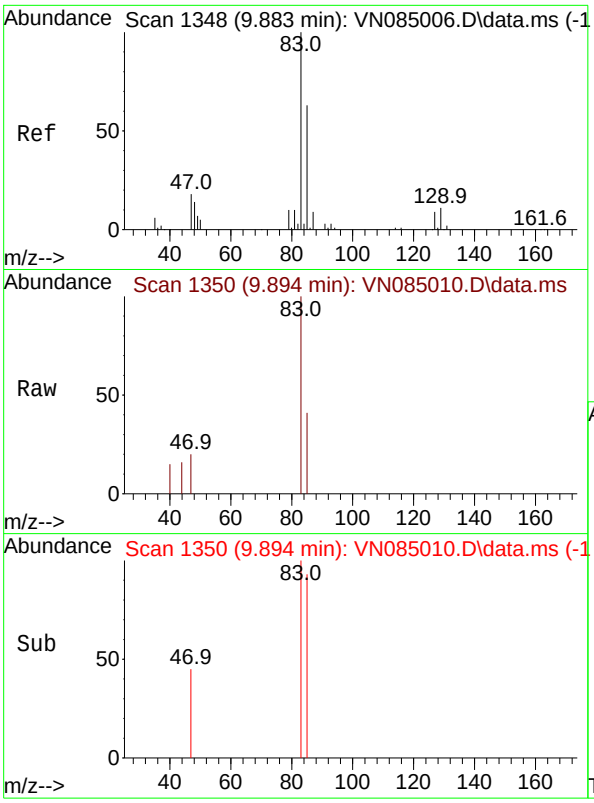


#46
Dibromomethane
Concen: 1.052 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 93 Resp: 1327

Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.2	99.4
174	92.9	74.9	112.3



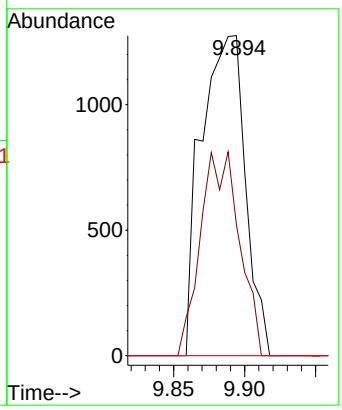


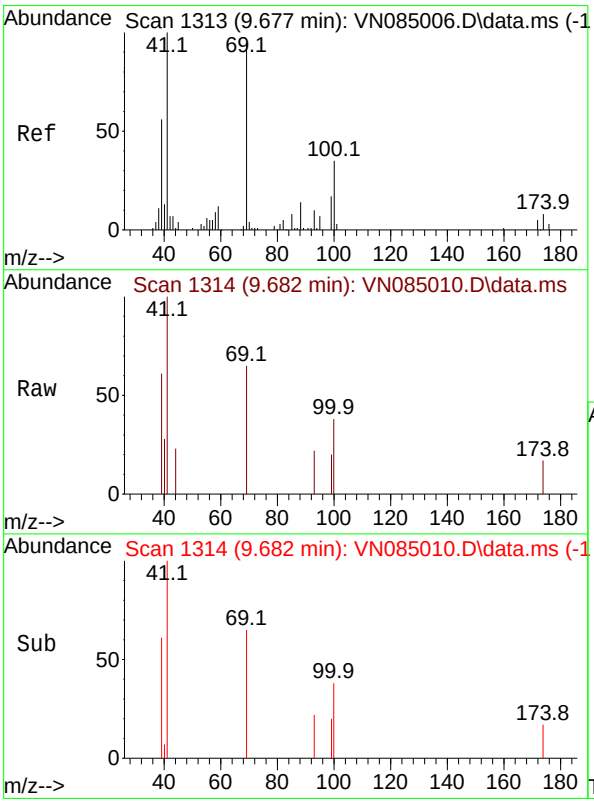
#47
Bromodichloromethane
Concen: 1.031 ug/l
RT: 9.894 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 2757

Ion	Ratio	Lower	Upper
83	100		
85	40.9	50.5	75.7#
127	0.0	7.1	10.7#

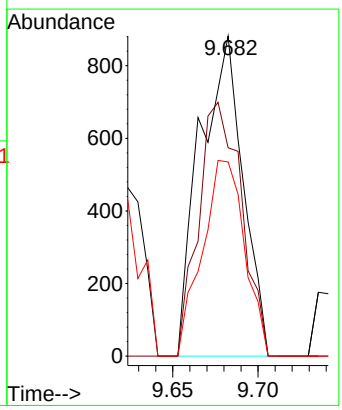


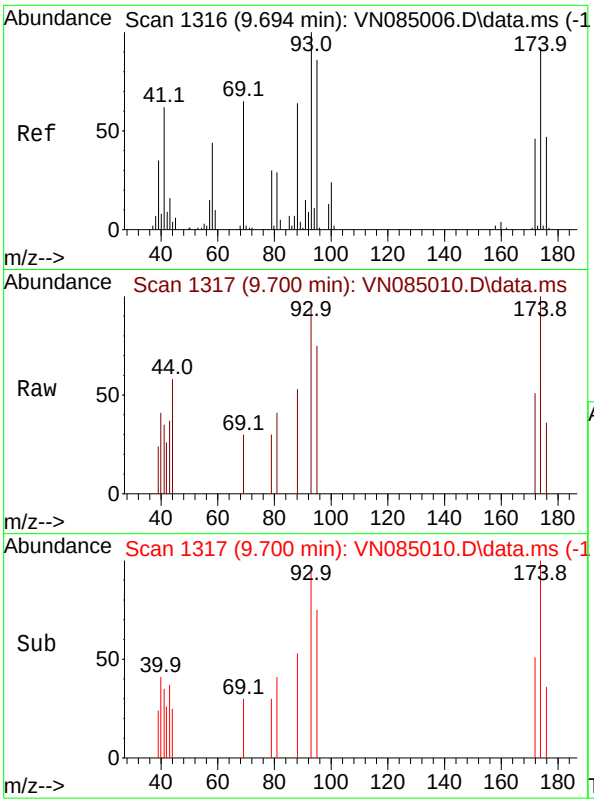


#48
Methyl methacrylate
Concen: 0.946 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 41 Resp: 1550

Ion	Ratio	Lower	Upper
41	100		
69	79.2	73.2	109.8
39	60.1	46.2	69.4



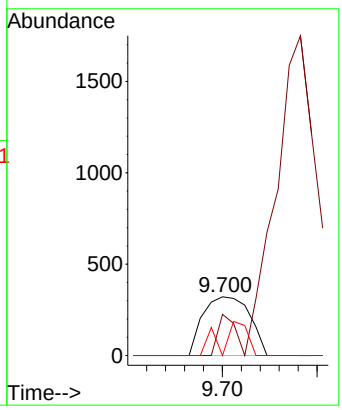


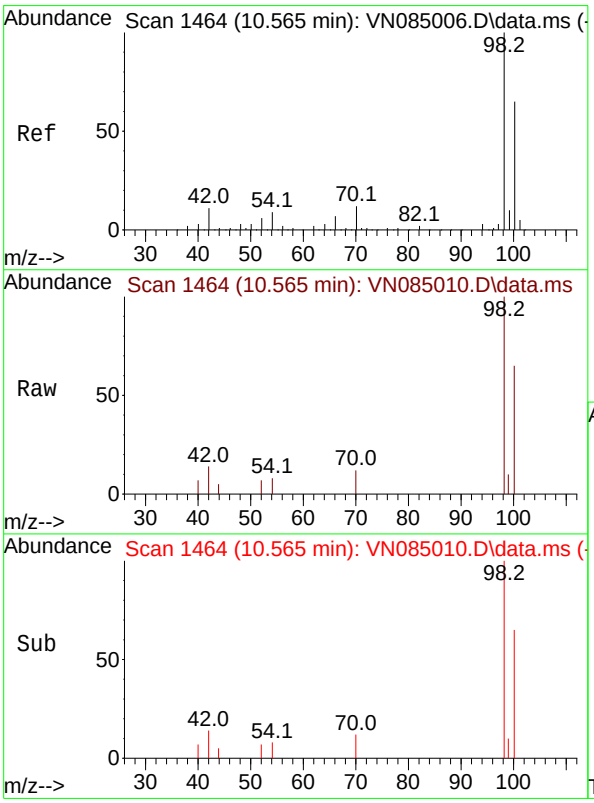
#49
1,4-Dioxane
Concen: 19.470 ug/l
RT: 9.700 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 88 Resp: 553

Ion	Ratio	Lower	Upper
88	100		
43	0.0	16.7	25.1#
58	32.4	56.5	84.7#

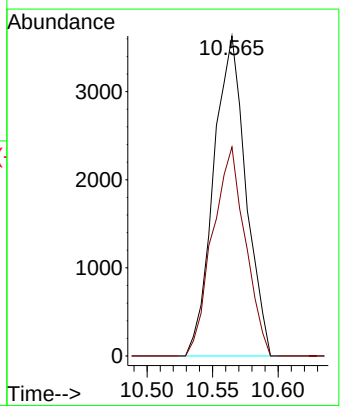


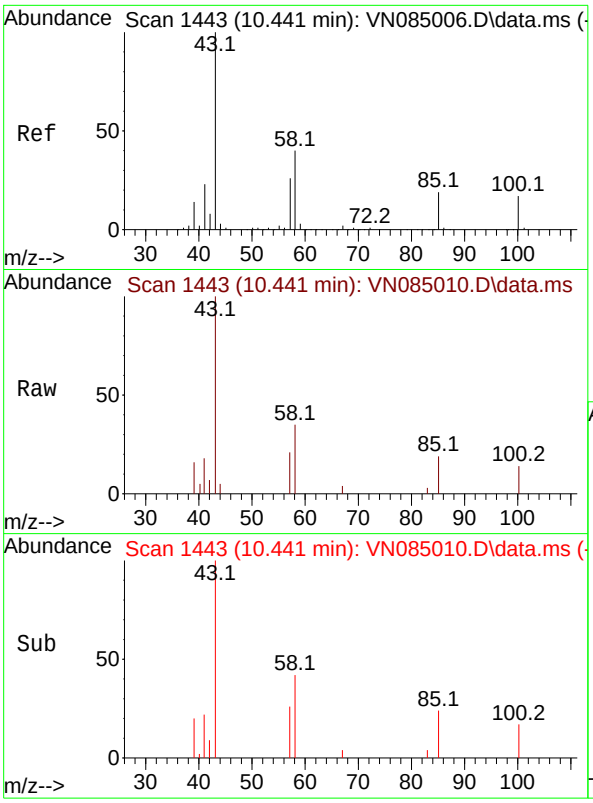


#50
Toluene-d8
Concen: 1.006 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 98 Resp: 6206

Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.5	78.7



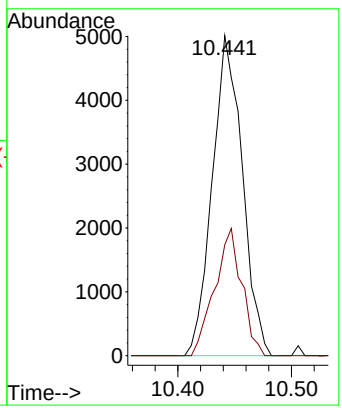


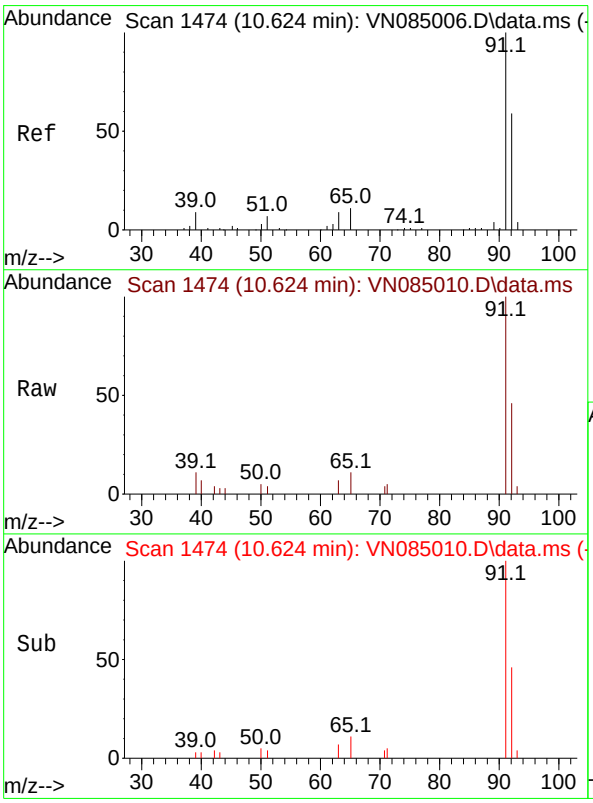
#51
4-Methyl-2-Pentanone
Concen: 4.578 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 9203

Ion	Ratio	Lower	Upper
43	100		
58	36.0	32.1	48.1

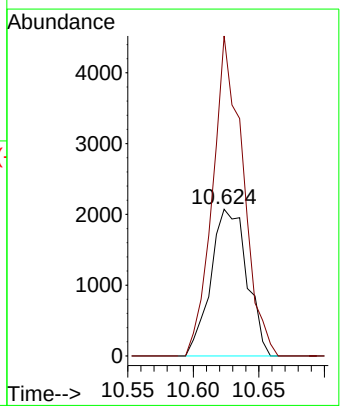


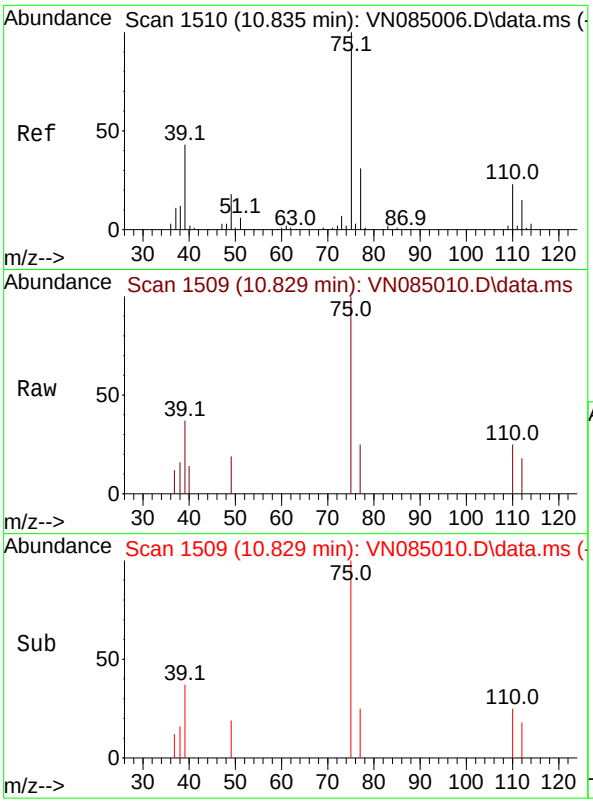


#52
Toluene
Concen: 0.912 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 92 Resp: 3979

Ion	Ratio	Lower	Upper
92	100		
91	182.5	136.7	205.1



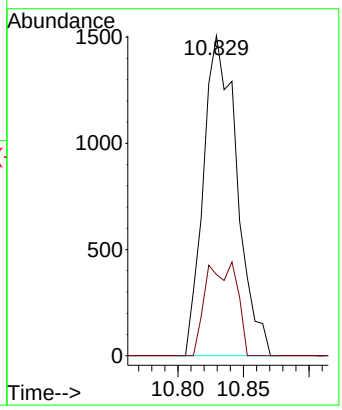


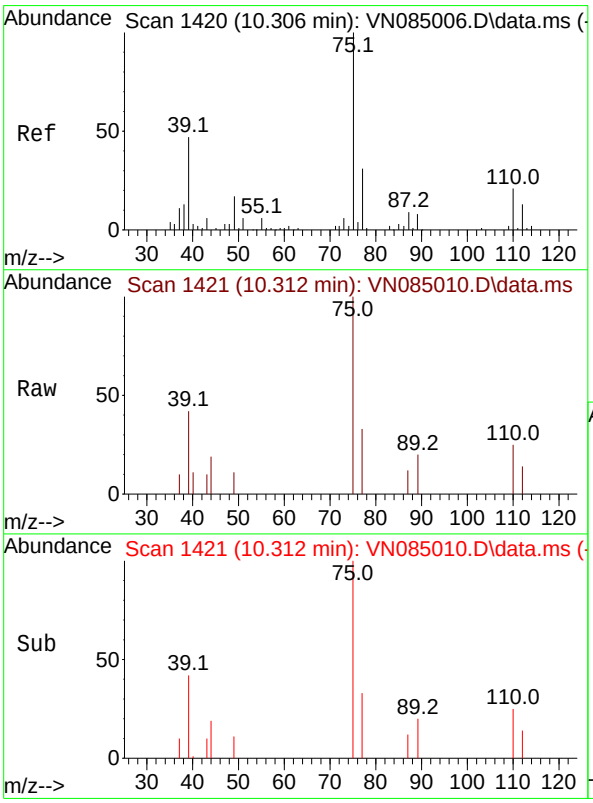
#53
t-1,3-Dichloropropene
Concen: 1.000 ug/l
RT: 10.829 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 2680

Ion	Ratio	Lower	Upper
75	100		
77	25.3	25.0	37.4

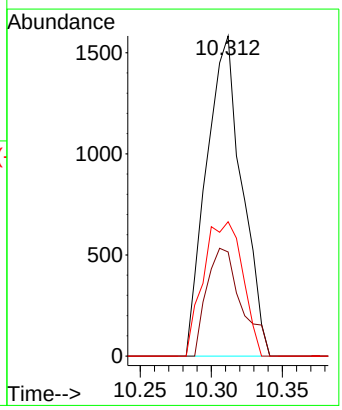


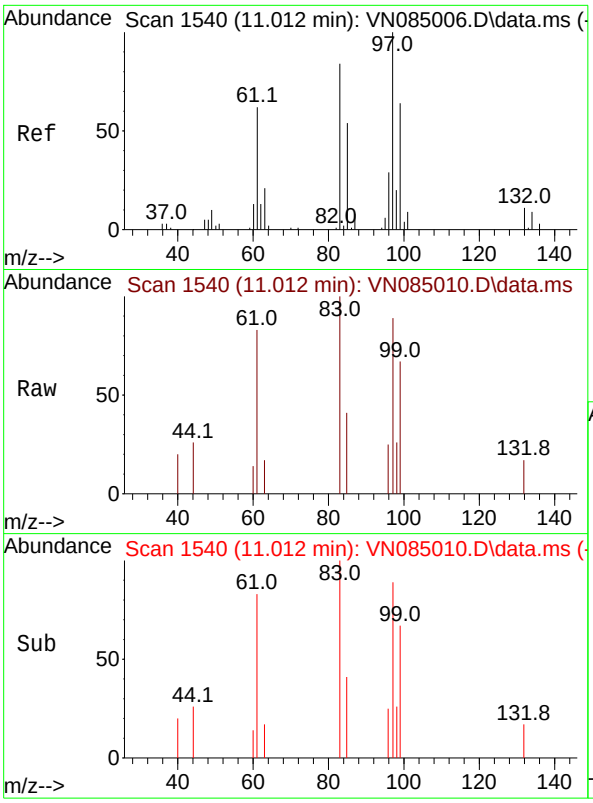


#54
cis-1,3-Dichloropropene
Concen: 0.970 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 75 Resp: 2759

Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.0	37.4
39	41.9	37.6	56.4



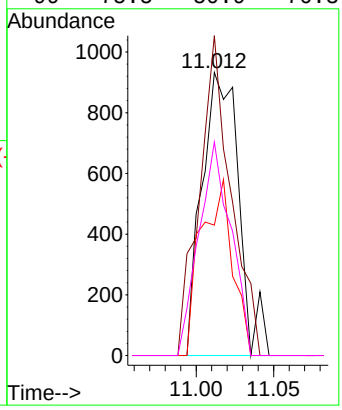


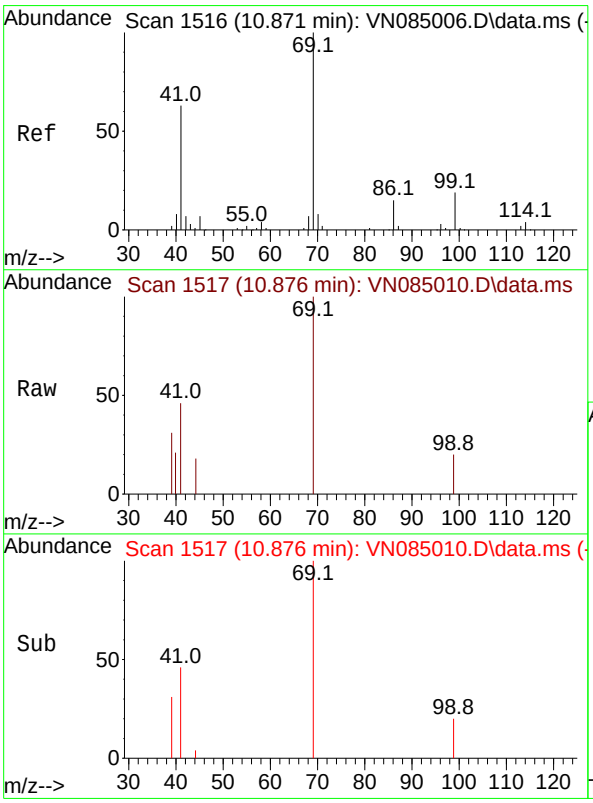
#55
1,1,2-Trichloroethane
Concen: 0.945 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 1536

Ion	Ratio	Lower	Upper
97	100		
83	113.0	67.4	101.2#
85	46.1	43.1	64.7
99	75.5	50.9	76.3

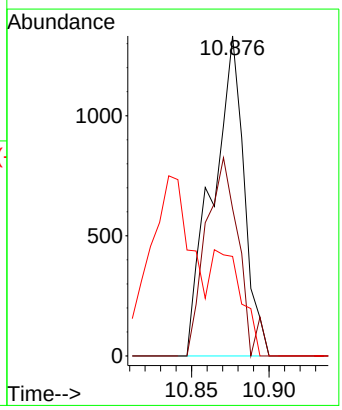


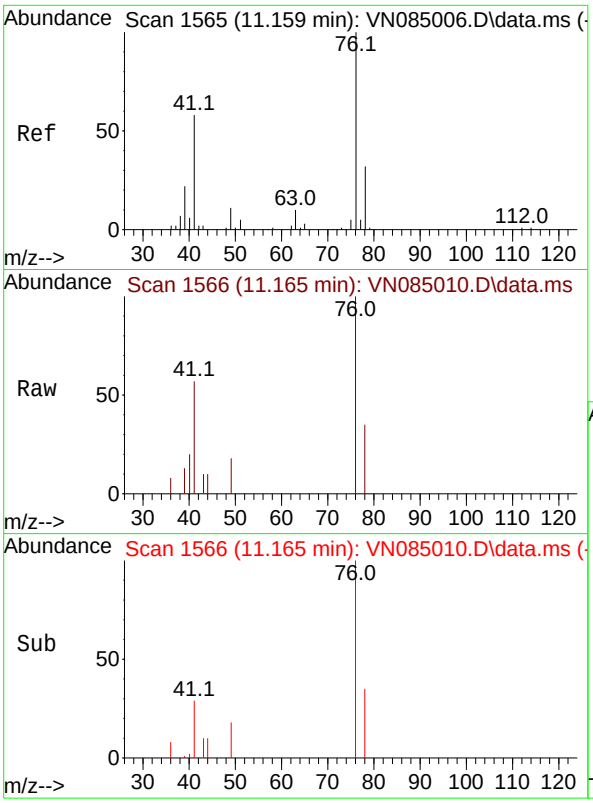


#56
Ethyl methacrylate
Concen: 0.795 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 69 Resp: 1888

Ion	Ratio	Lower	Upper
69	100		
41	64.1	50.0	75.0
39	31.6	27.0	40.6



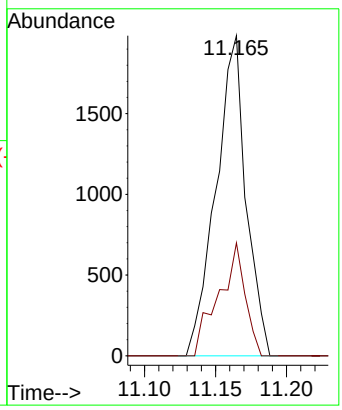


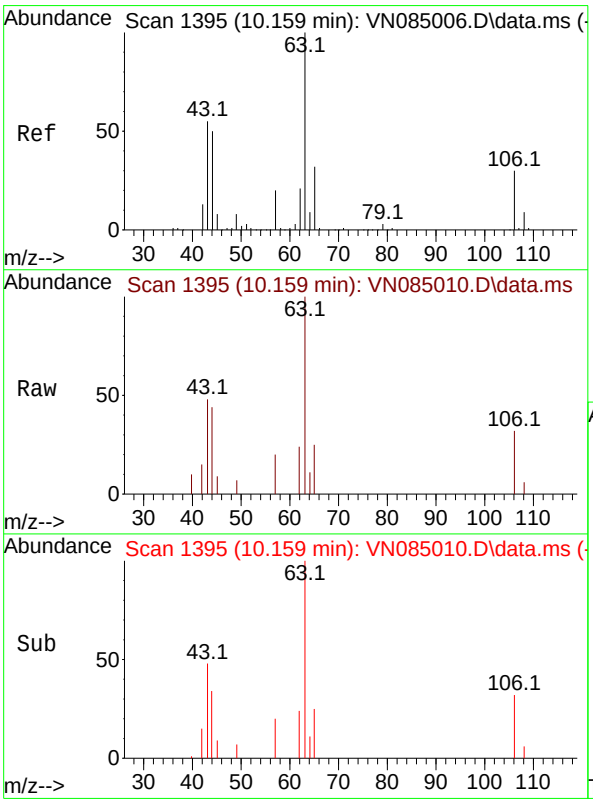
#57
1,3-Dichloropropane
Concen: 1.020 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 2917

Ion	Ratio	Lower	Upper
76	100		
78	31.1	26.1	39.1

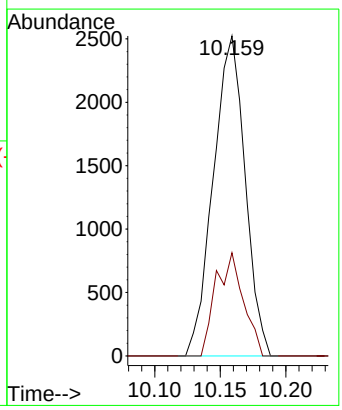


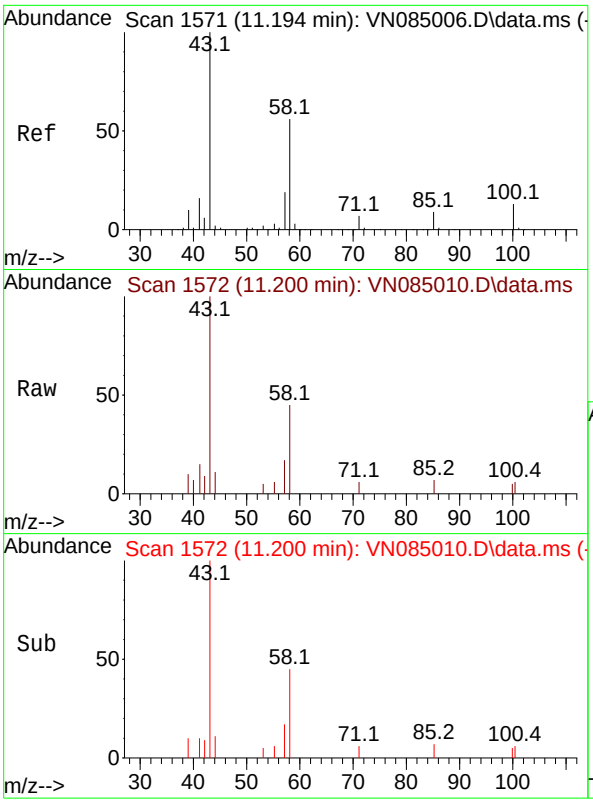


#58
2-Chloroethyl Vinyl ether
Concen: 3.651 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 63 Resp: 4254

Ion	Ratio	Lower	Upper
63	100		
106	28.0	23.0	34.6



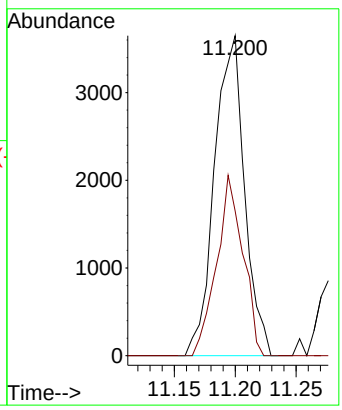


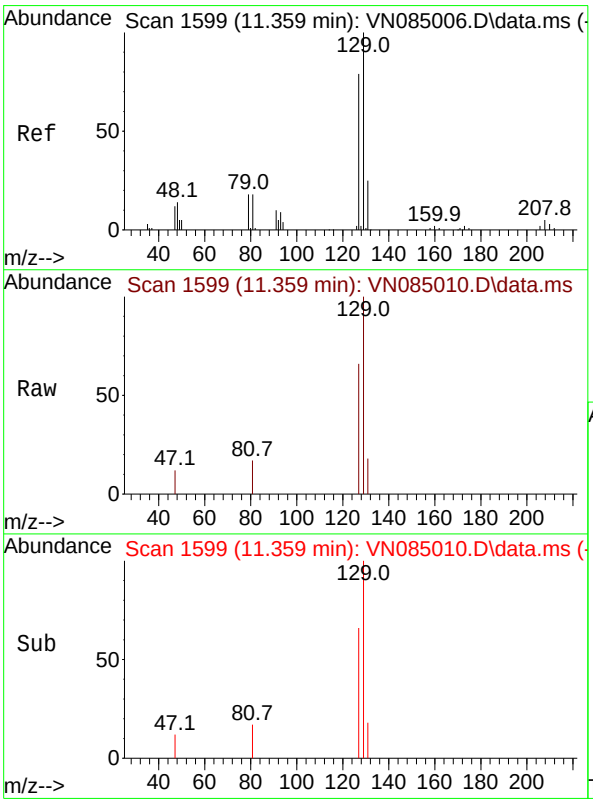
#59
2-Hexanone
Concen: 4.166 ug/l
RT: 11.200 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 6264

Ion	Ratio	Lower	Upper
43	100		
58	49.4	28.3	85.0

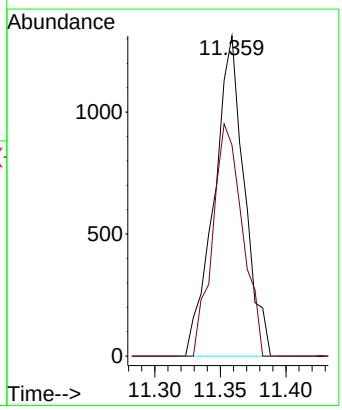


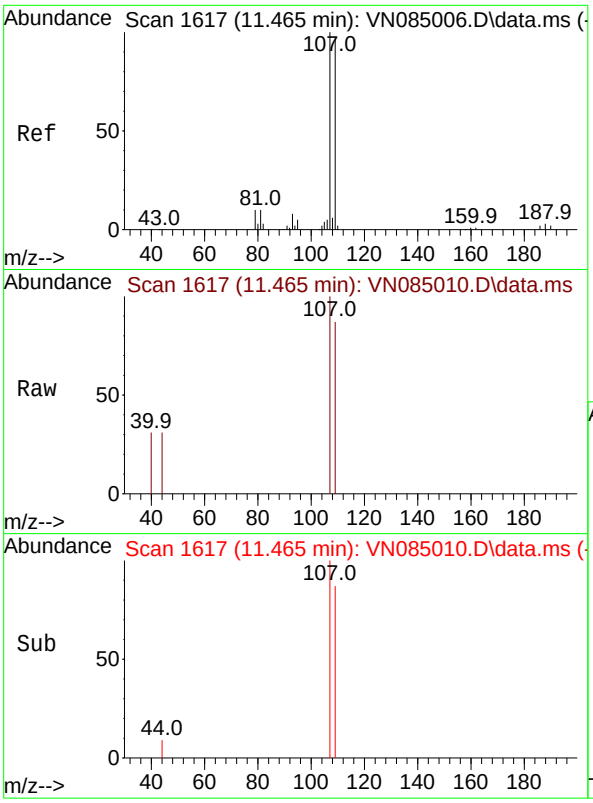


#60
Dibromochloromethane
Concen: 1.057 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:129 Resp: 2099

Ion	Ratio	Lower	Upper
129	100		
127	72.0	39.2	117.6



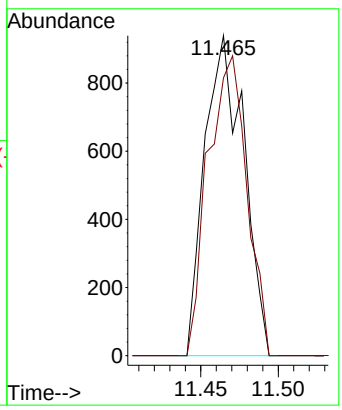


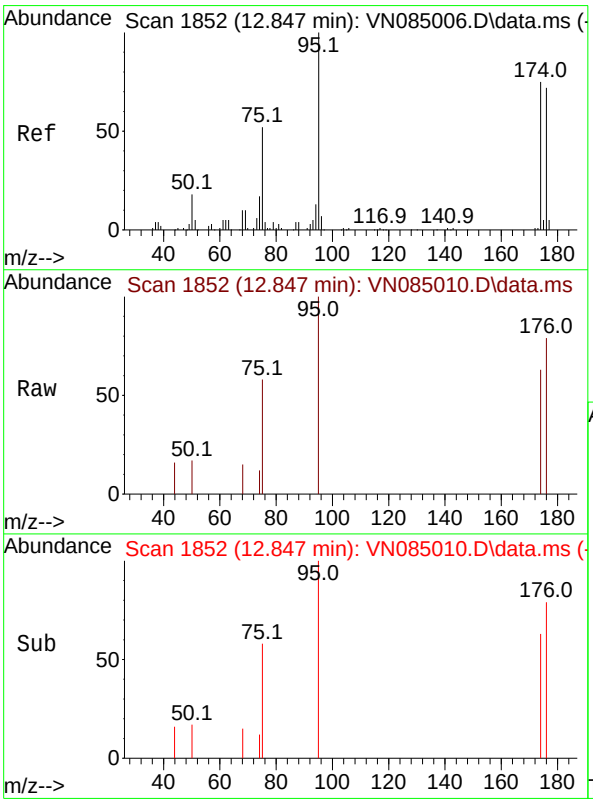
#61
1,2-Dibromoethane
Concen: 0.980 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 1648

Ion	Ratio	Lower	Upper
107	100		
109	93.0	76.1	114.1

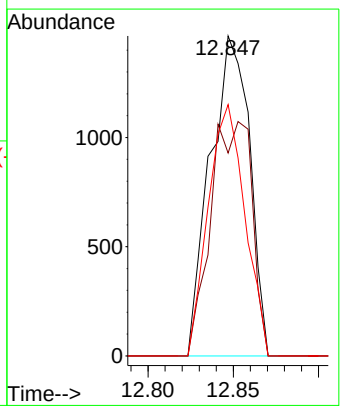


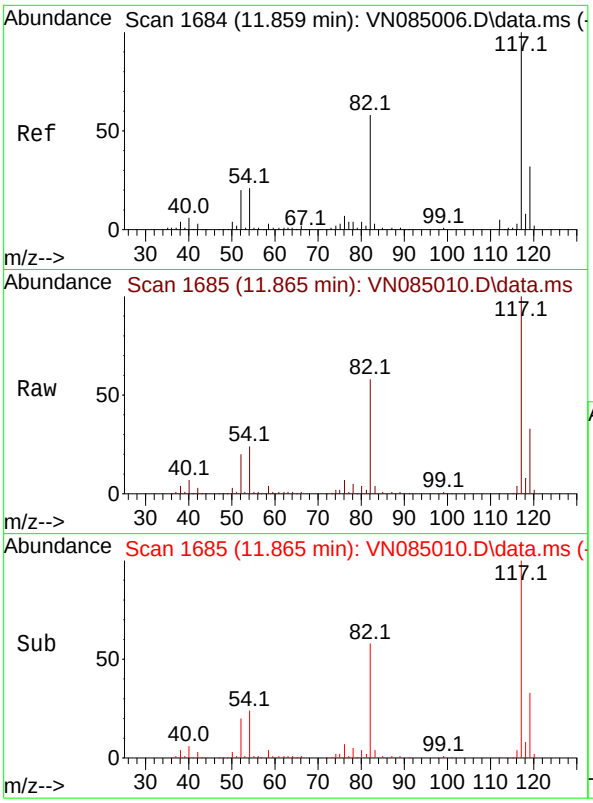


#62
4-Bromofluorobenzene
Concen: 1.019 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 95 Resp: 2351

Ion	Ratio	Lower	Upper
95	100		
174	77.2	0.0	146.6
176	73.4	0.0	141.8



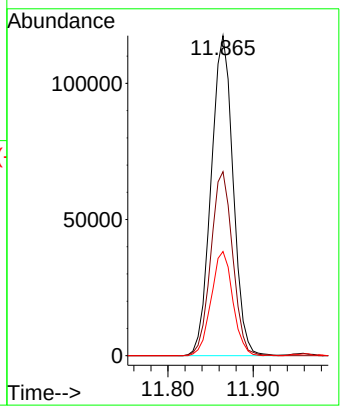


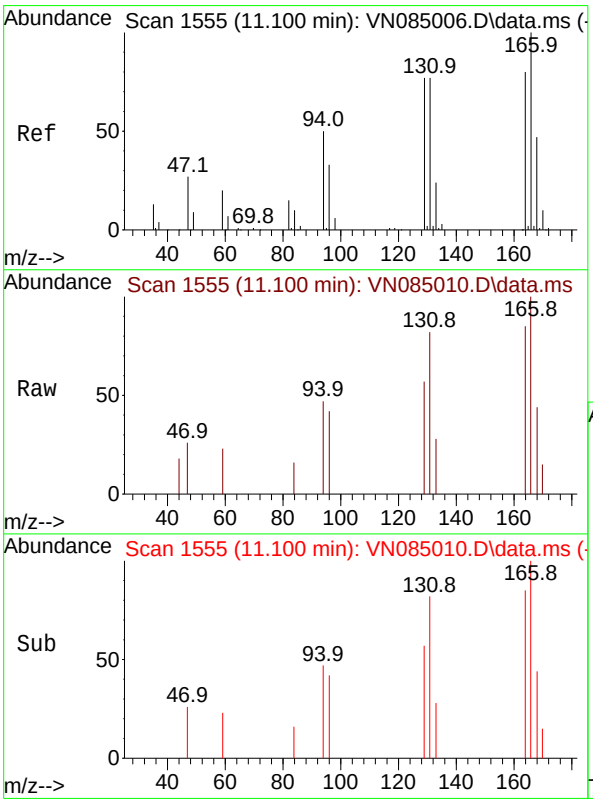
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 210265

Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.0	69.0
119	32.5	25.6	38.4

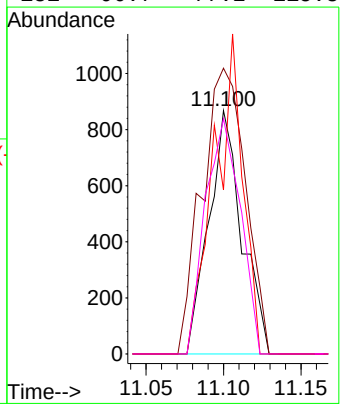


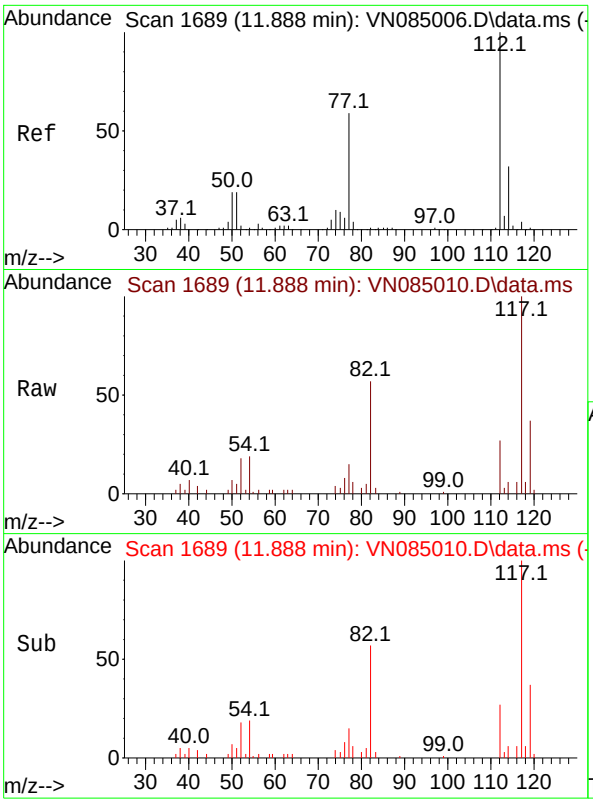


#64
Tetrachloroethene
Concen: 0.911 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:164 Resp: 1291

Ion	Ratio	Lower	Upper
164	100		
166	117.4	100.6	151.0
129	67.4	77.7	116.5#
131	96.7	77.2	115.8



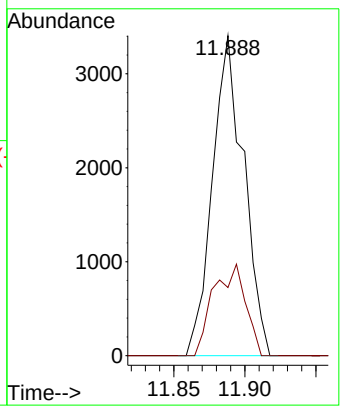


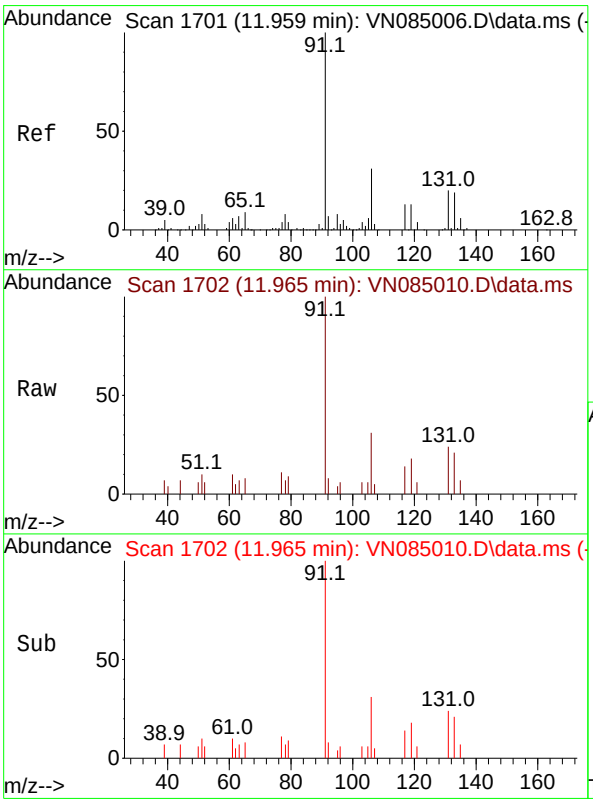
#65
Chlorobenzene
Concen: 1.094 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 5217

Ion	Ratio	Lower	Upper
112	100		
114	21.3	25.8	38.6#

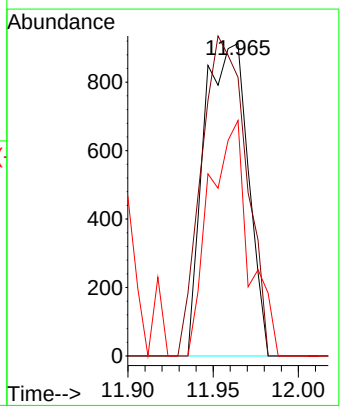


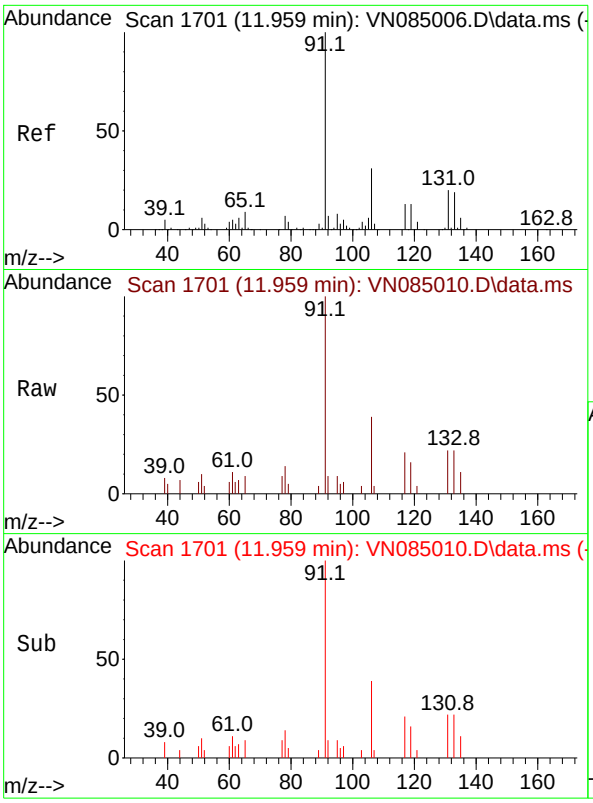


#66
1,1,1,2-Tetrachloroethane
Concen: 0.976 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:131 Resp: 1639

Ion	Ratio	Lower	Upper
131	100		
133	104.3	47.8	143.4
119	0.0	32.1	96.3#



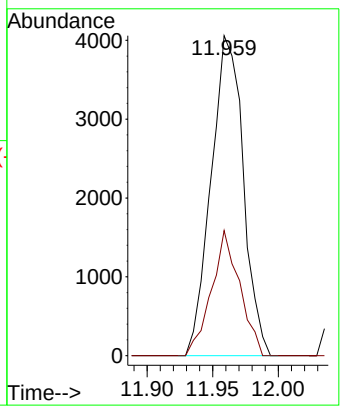


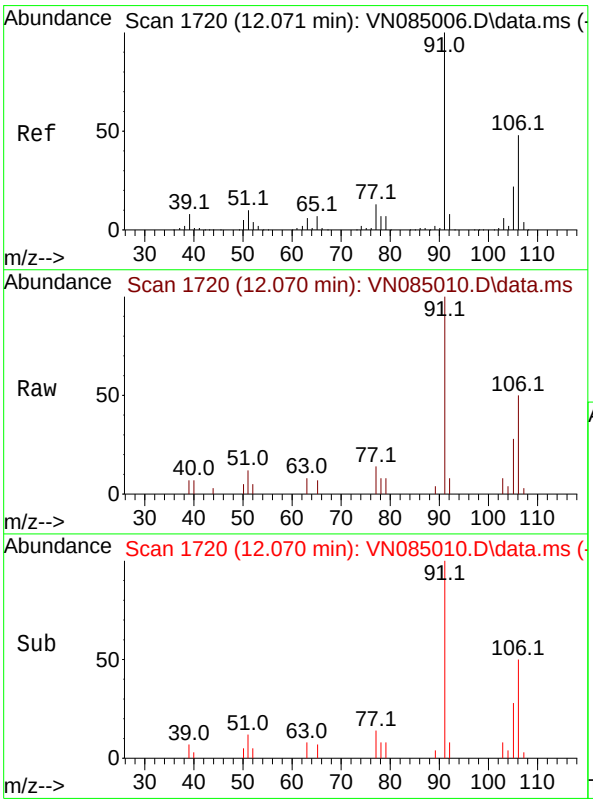
#67
Ethyl Benzene
Concen: 0.894 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 6914

Ion	Ratio	Lower	Upper
91	100		
106	39.1	24.7	37.1#

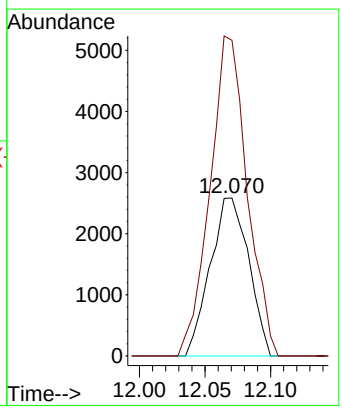


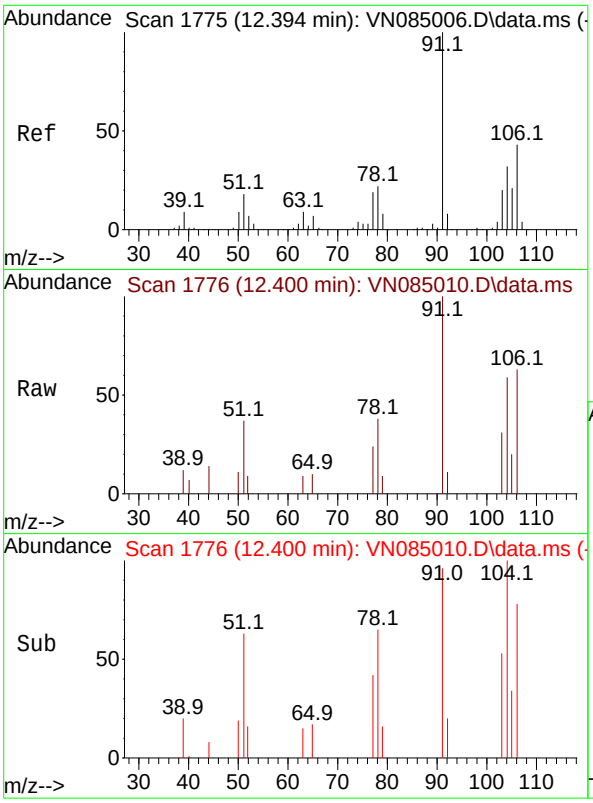


#68
m/p-Xylenes
Concen: 1.789 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:106 Resp: 5269

Ion	Ratio	Lower	Upper
106	100		
91	195.9	168.0	252.0



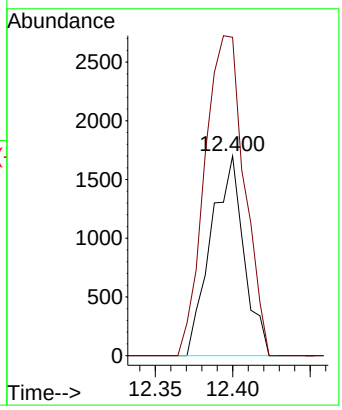


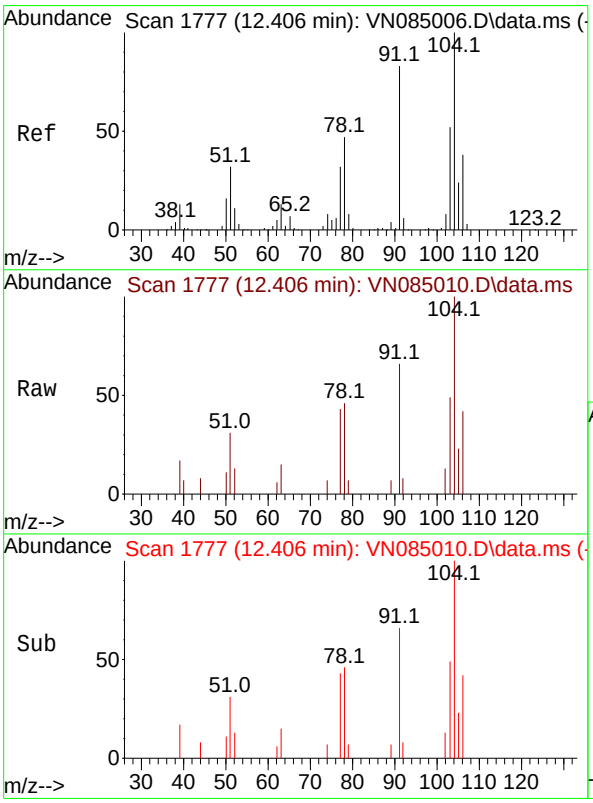
#69
o-Xylene
Concen: 0.897 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 2514

Ion	Ratio	Lower	Upper
106	100		
91	192.8	110.7	331.9

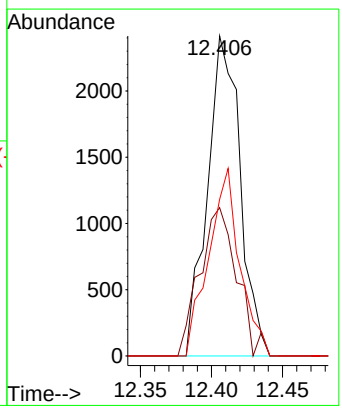


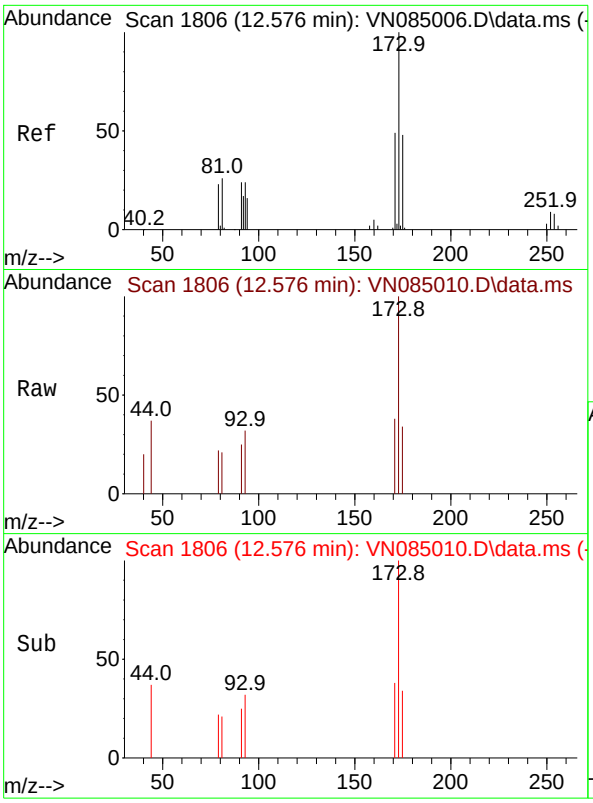


#70
Styrene
Concen: 0.831 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:104 Resp: 3871

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.3	63.5
103	56.0	44.2	66.2



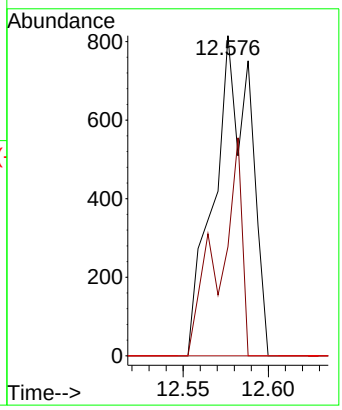


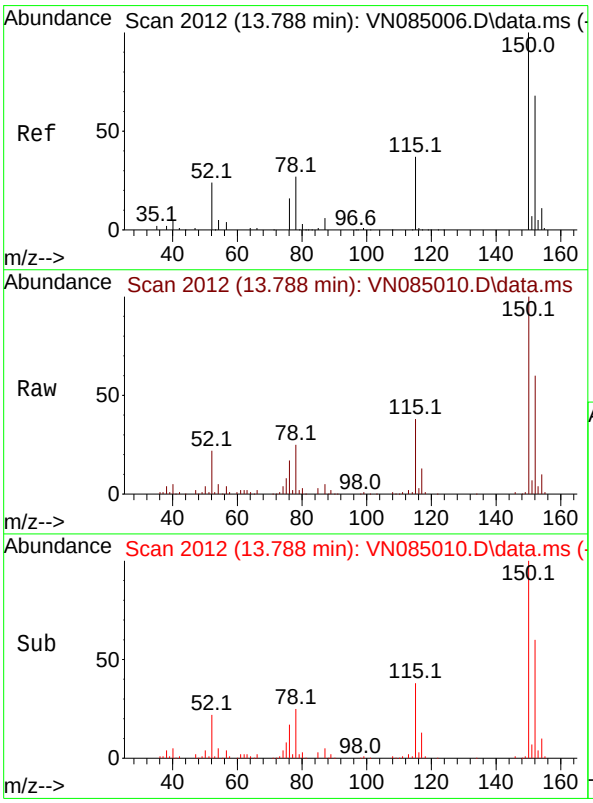
#71
Bromoform
Concen: 0.975 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 1215

Ion	Ratio	Lower	Upper
173	100		
175	42.1	23.8	71.2
254	0.0	0.0	0.0

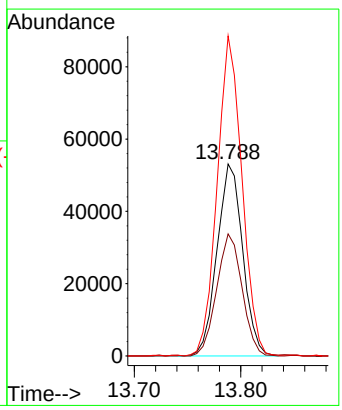


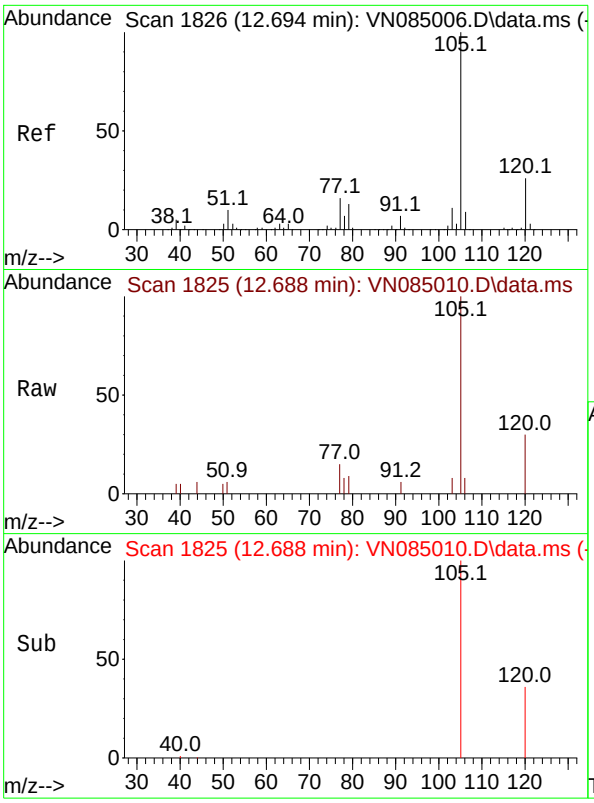


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:152 Resp: 88784

Ion	Ratio	Lower	Upper
152	100		
115	62.8	31.7	95.1
150	161.6	0.0	351.4



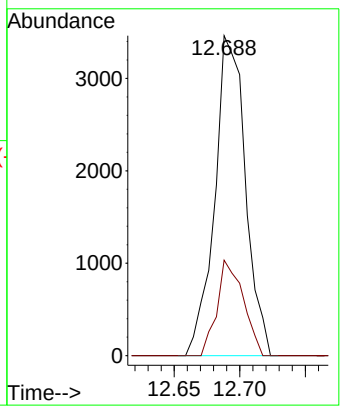


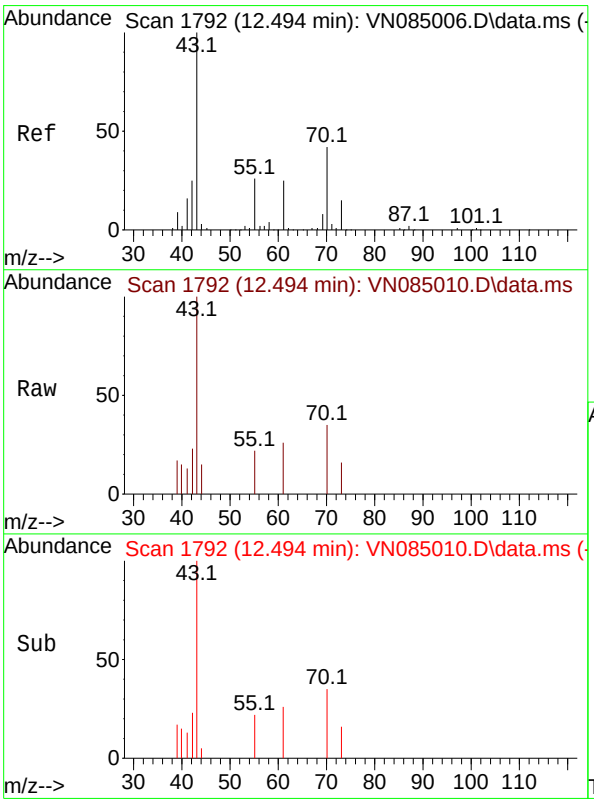
#73
Isopropylbenzene
Concen: 0.900 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 5637

Ion	Ratio	Lower	Upper
105	100		
120	25.5	13.0	39.0

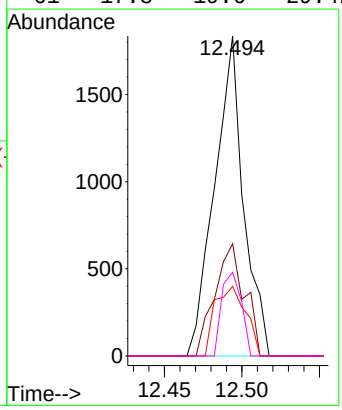


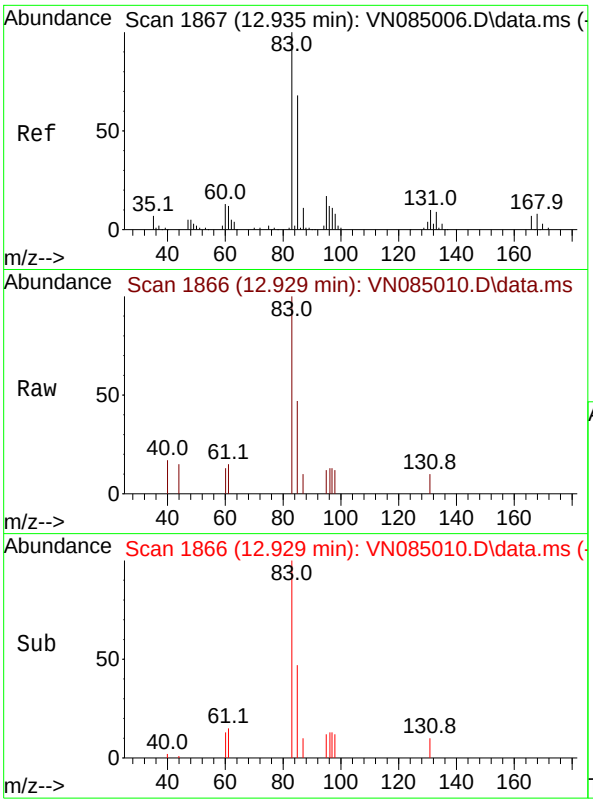


#74
N-amyl acetate
Concen: 0.921 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 43 Resp: 2377

Ion	Ratio	Lower	Upper
43	100		
70	36.0	34.6	51.8
55	23.1	20.5	30.7
61	17.8	19.6	29.4#



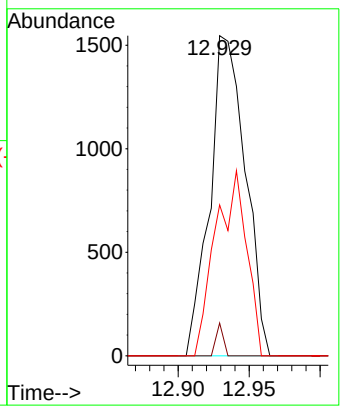


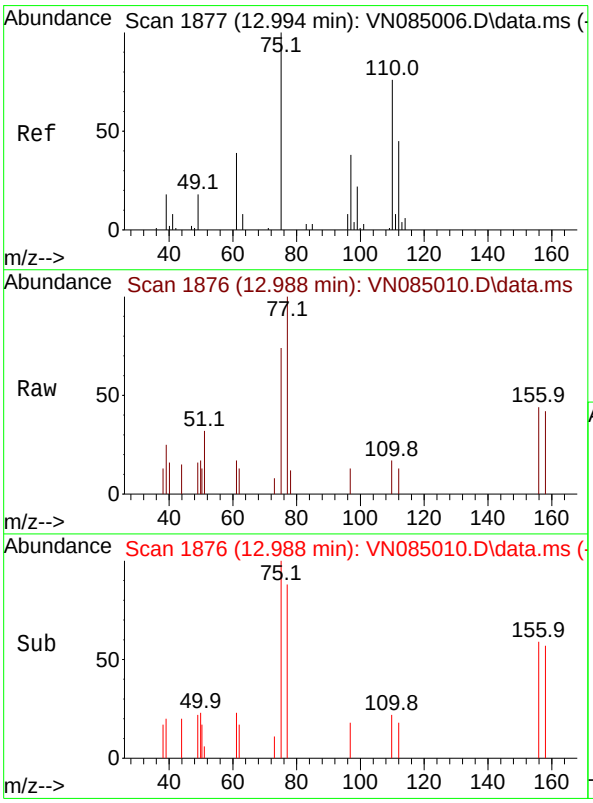
#75
1,1,2,2-Tetrachloroethane
Concen: 1.260 ug/l
RT: 12.929 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 2694

Ion	Ratio	Lower	Upper
83	100		
131	2.1	5.1	15.4#
85	50.6	32.1	96.3

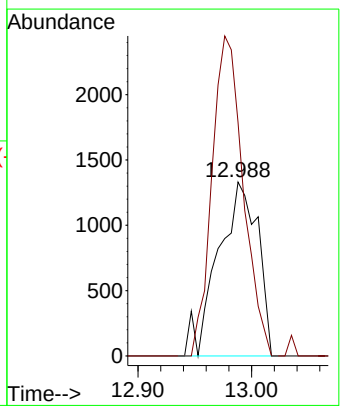


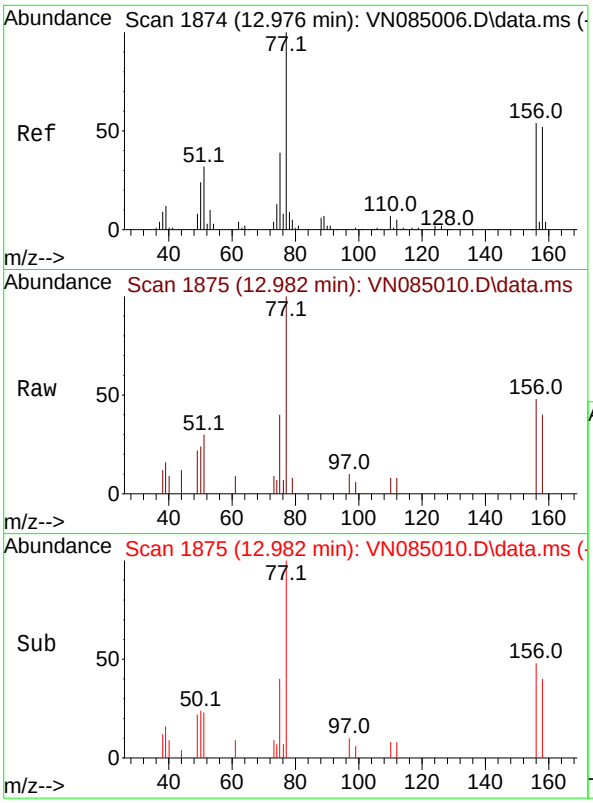


#76
1,2,3-Trichloropropane
Concen: 1.946 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 75 Resp: 3232

Ion	Ratio	Lower	Upper
75	100		
77	144.6	109.1	327.4



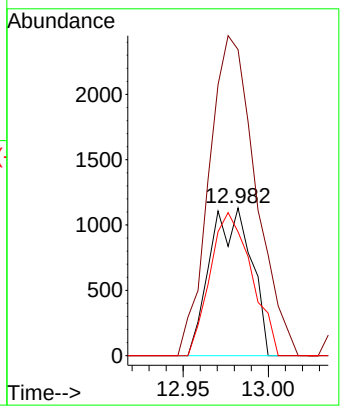


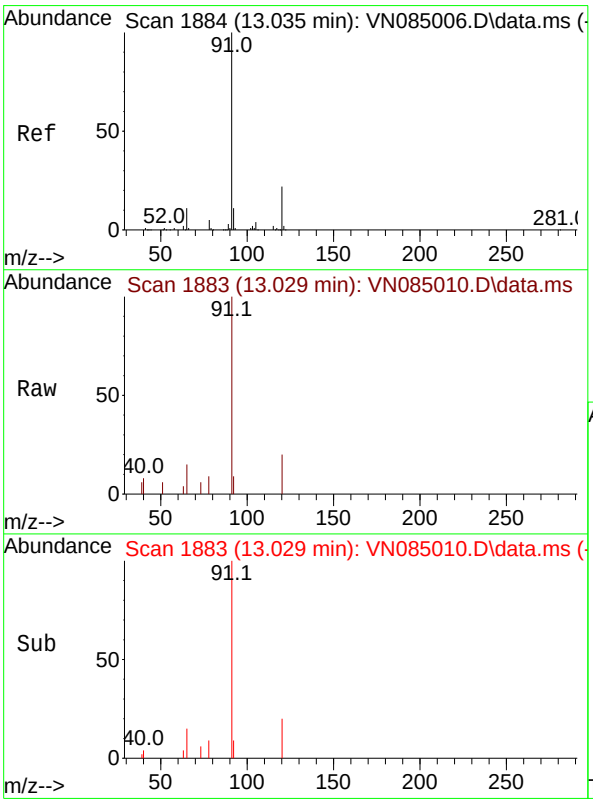
#77
Bromobenzene
Concen: 1.129 ug/l
RT: 12.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:156 Resp: 1903

Ion	Ratio	Lower	Upper
156	100		
77	245.7	107.2	321.6
158	97.5	48.5	145.6

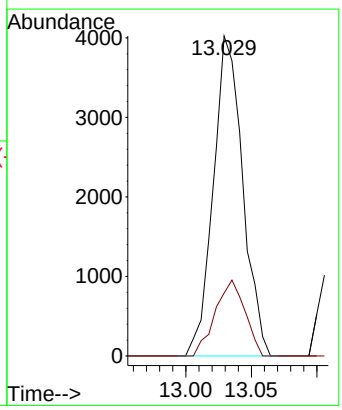


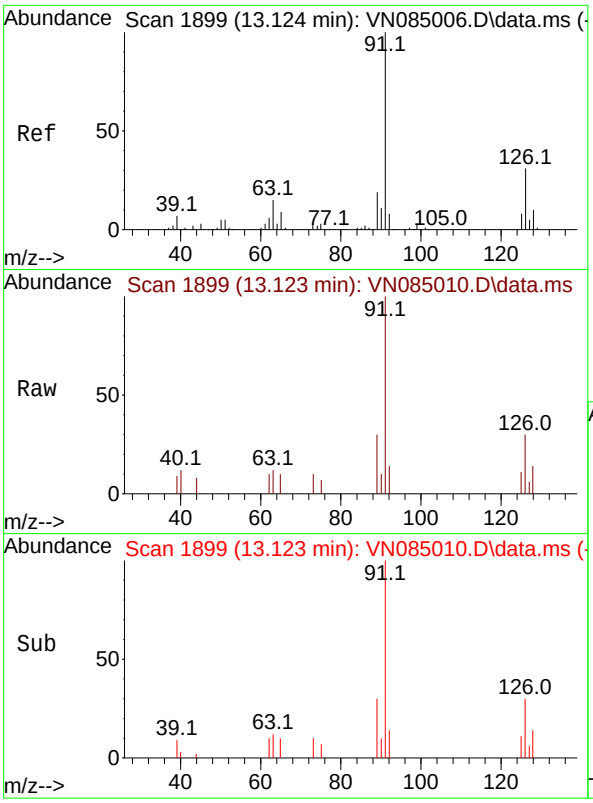


#78
n-propylbenzene
Concen: 0.869 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 91 Resp: 6275

Ion	Ratio	Lower	Upper
91	100		
120	24.0	11.3	33.9



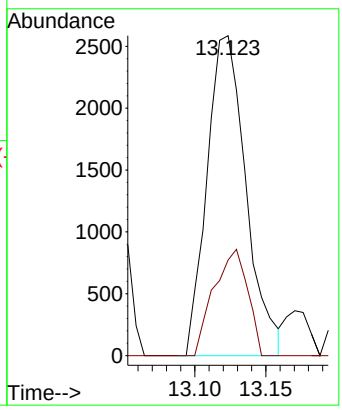


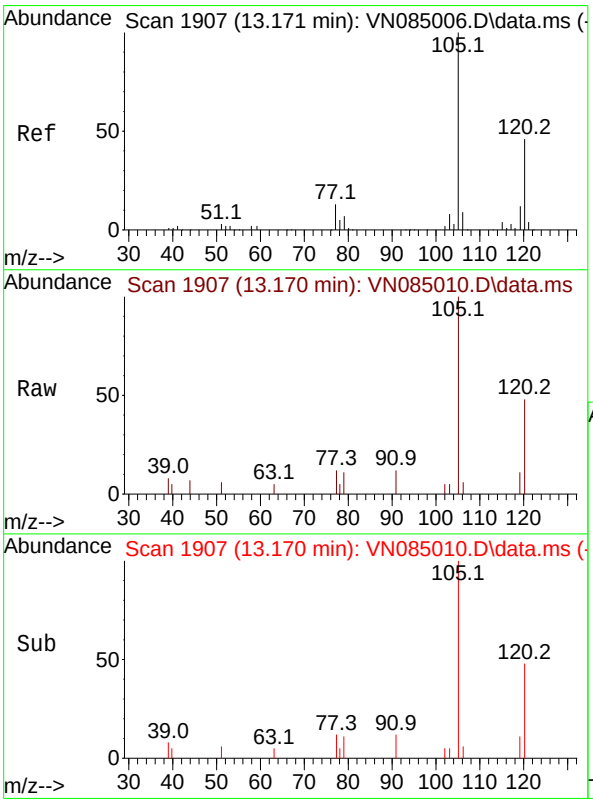
#79
2-Chlorotoluene
Concen: 1.023 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 4935

Ion	Ratio	Lower	Upper
91	100		
126	28.8	16.1	48.3

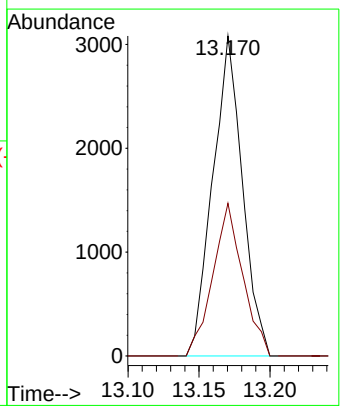


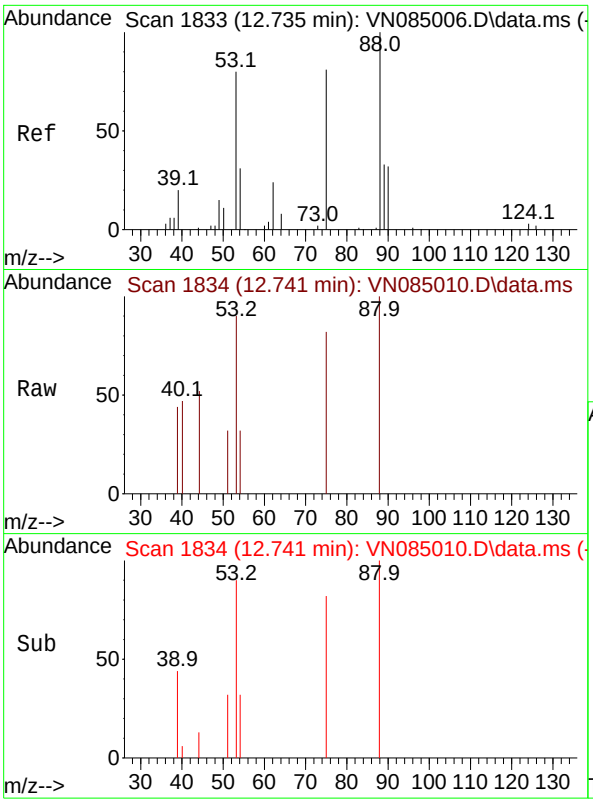


#80
1,3,5-Trimethylbenzene
Concen: 0.851 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:105 Resp: 4473

Ion	Ratio	Lower	Upper
105	100		
120	48.3	23.6	71.0



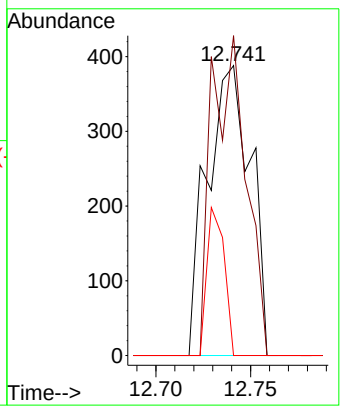


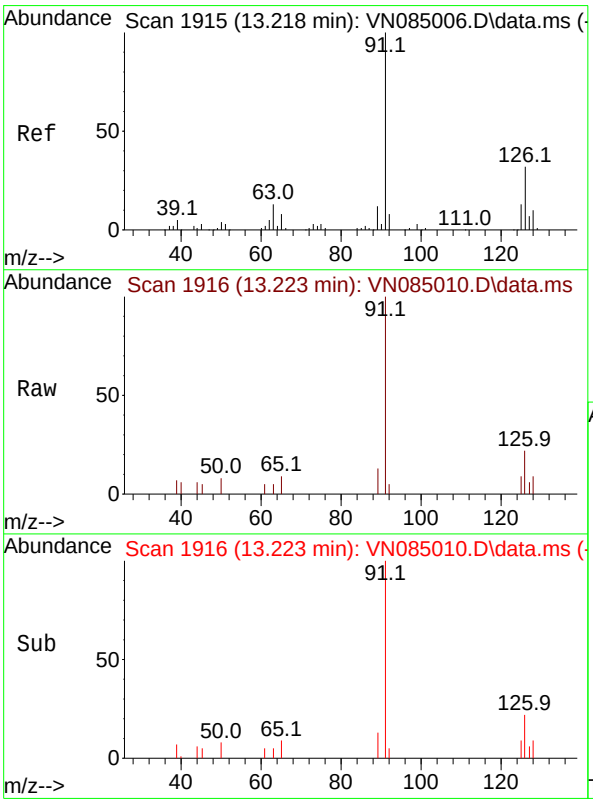
#81
trans-1,4-Dichloro-2-butene
Concen: 0.871 ug/l
RT: 12.741 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 619

Ion	Ratio	Lower	Upper
75	100		
53	86.9	78.2	117.4
89	20.4	37.9	56.9#

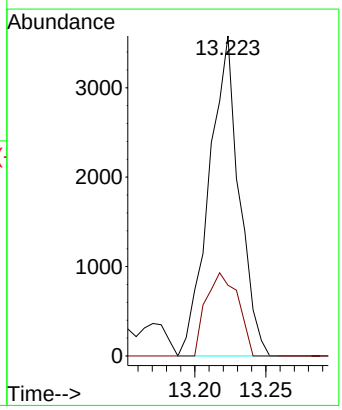


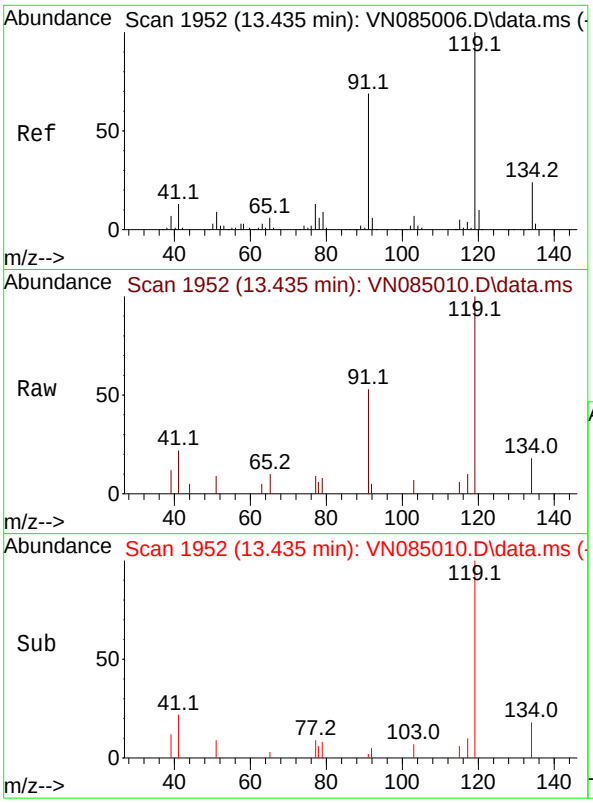


#82
4-Chlorotoluene
Concen: 1.053 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 91 Resp: 5286

Ion	Ratio	Lower	Upper
91	100		
126	27.6	16.1	48.3



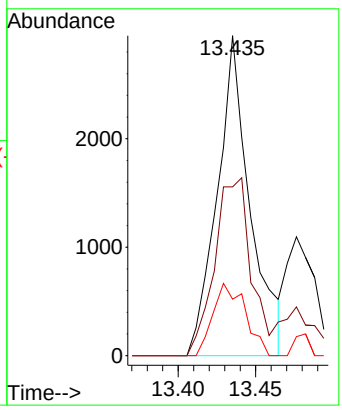


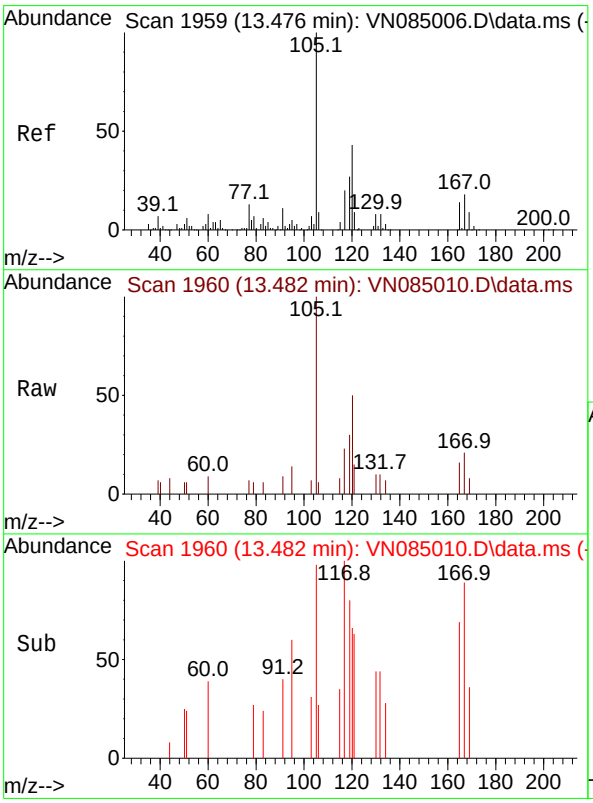
#83
tert-Butylbenzene
Concen: 0.963 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 4357

Ion	Ratio	Lower	Upper
119	100		
91	61.2	35.1	105.5
134	22.2	12.1	36.3

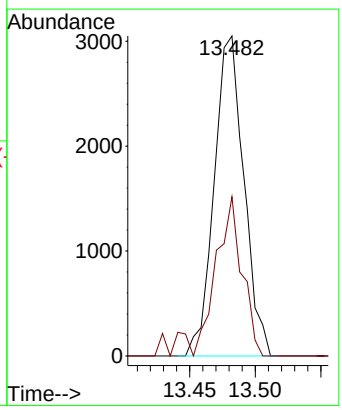


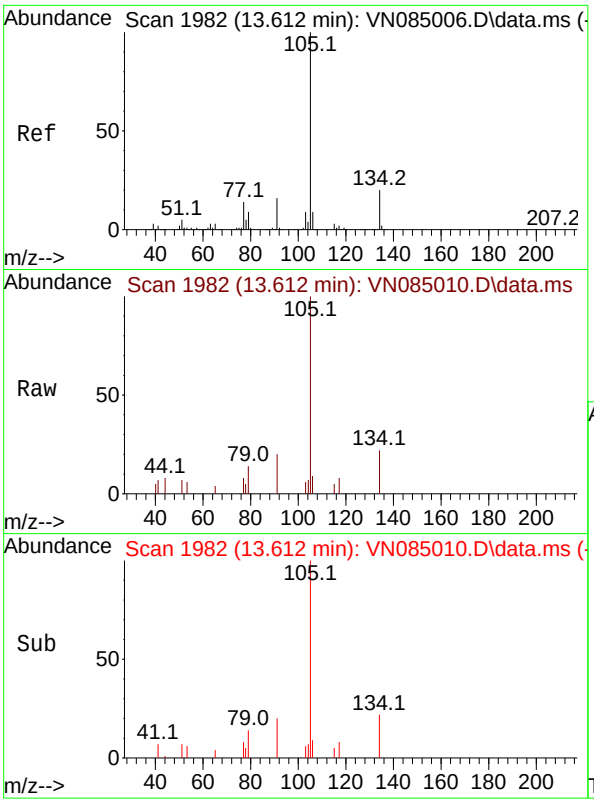


#84
1,2,4-Trimethylbenzene
Concen: 0.888 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:105 Resp: 4802

Ion	Ratio	Lower	Upper
105	100		
120	43.4	21.8	65.4



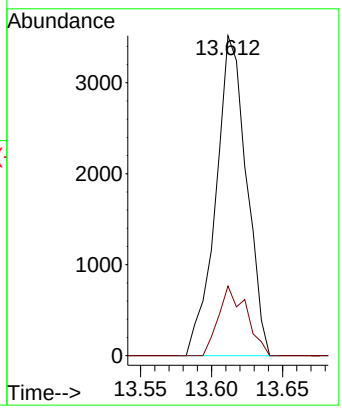


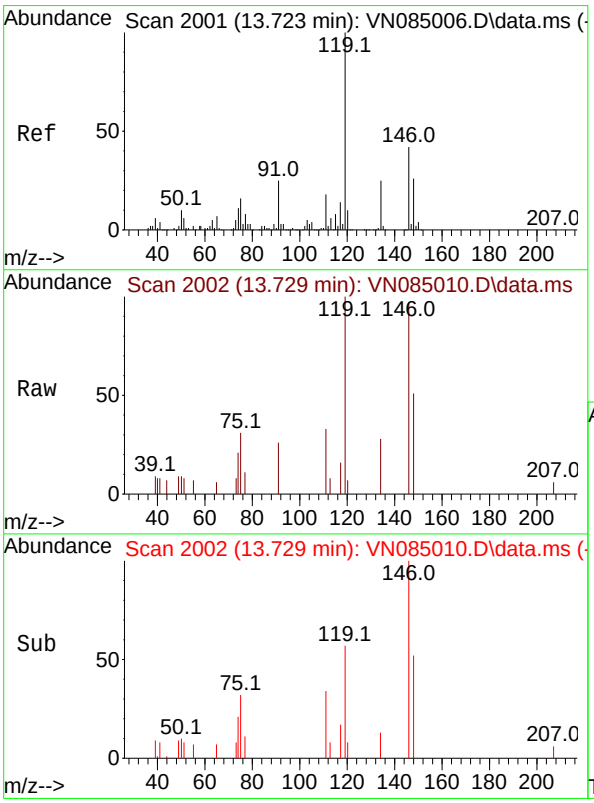
#85
sec-Butylbenzene
Concen: 0.865 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 5284

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.3

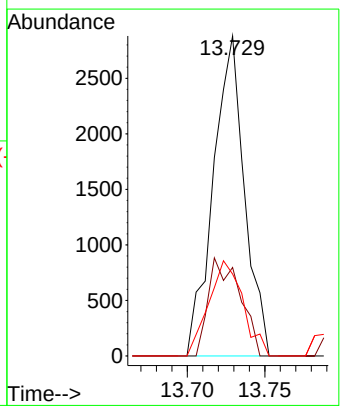


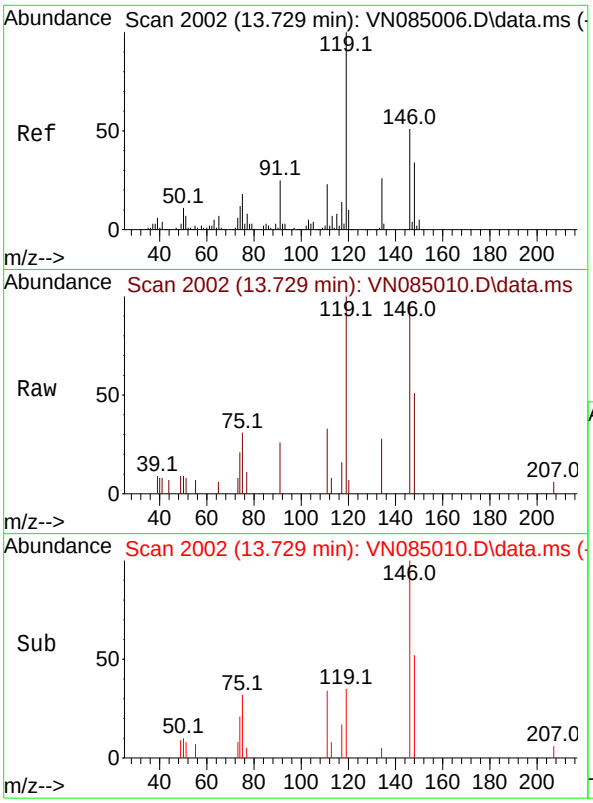


#86
p-Isopropyltoluene
Concen: 0.803 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:119 Resp: 4047

Ion	Ratio	Lower	Upper
119	100		
134	31.1	13.0	39.0
91	32.5	12.8	38.4



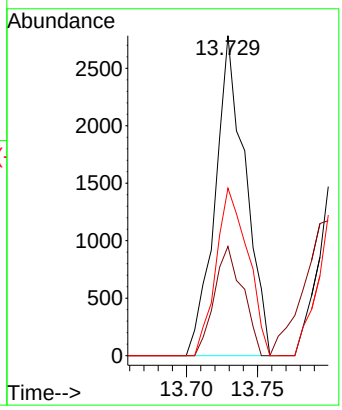


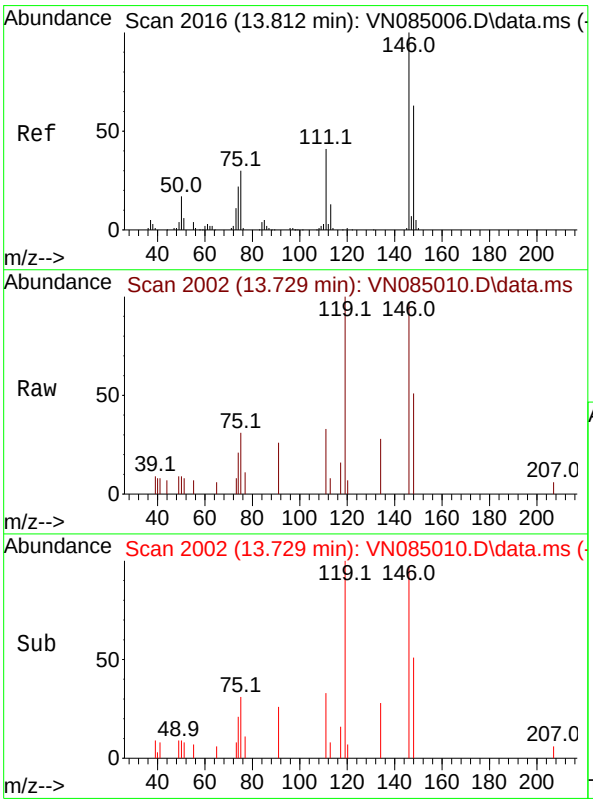
#87
1,3-Dichlorobenzene
Concen: 1.243 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 4131

Ion	Ratio	Lower	Upper
146	100		
111	32.0	21.6	65.0
148	54.9	32.2	96.6

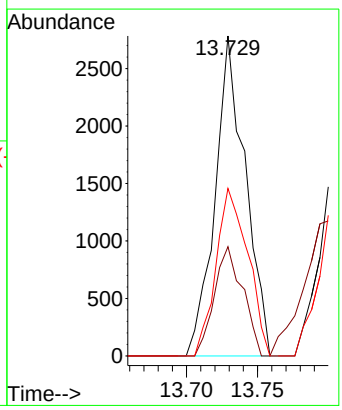


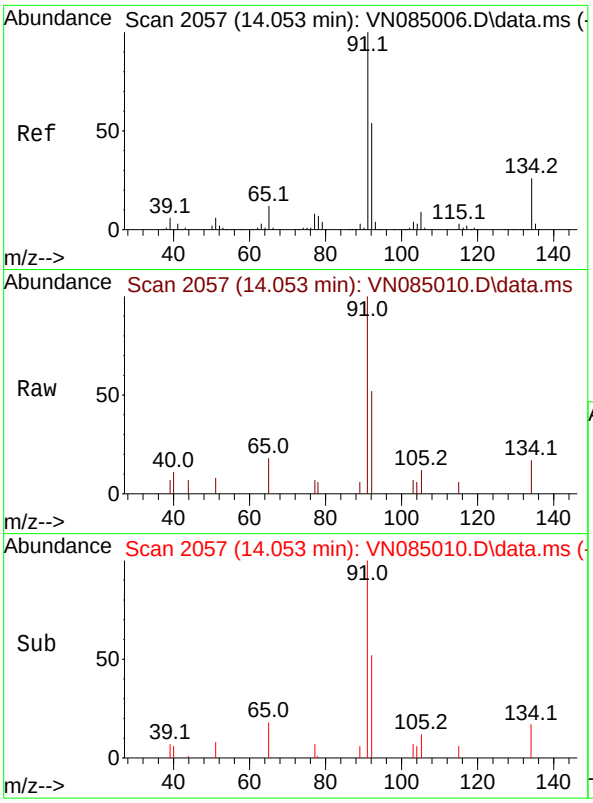


#88
1,4-Dichlorobenzene
Concen: 1.218 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.083 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:146 Resp: 4131

Ion	Ratio	Lower	Upper
146	100		
111	32.0	20.9	62.8
148	54.9	31.3	93.9



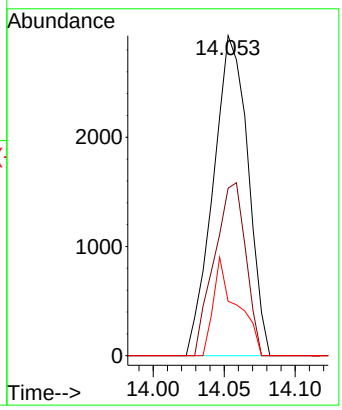


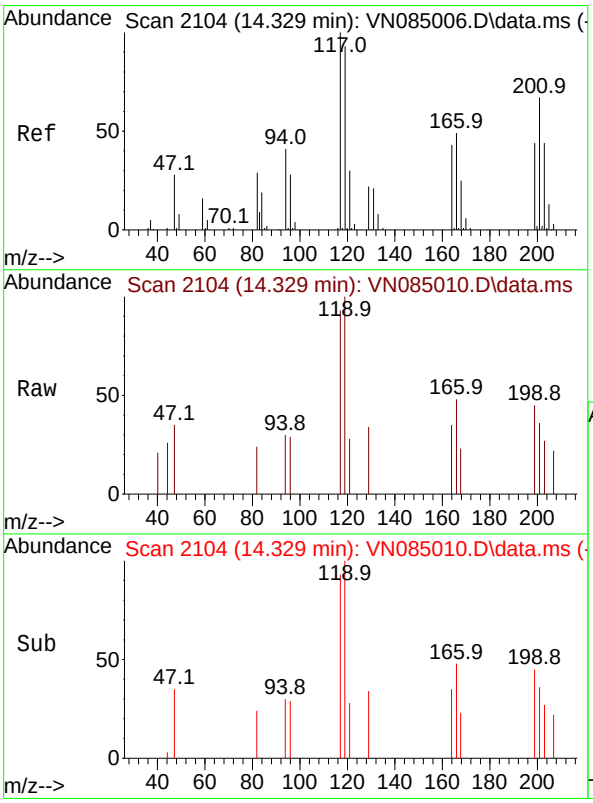
#89
n-Butylbenzene
Concen: 1.062 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 4981

Ion	Ratio	Lower	Upper
91	100		
92	48.8	26.8	80.3
134	20.8	12.8	38.4

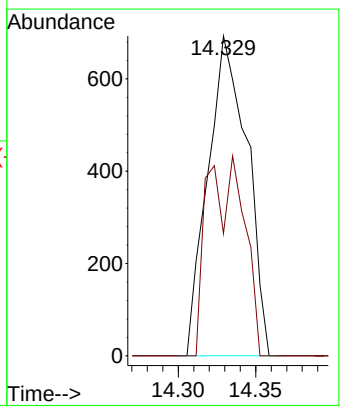


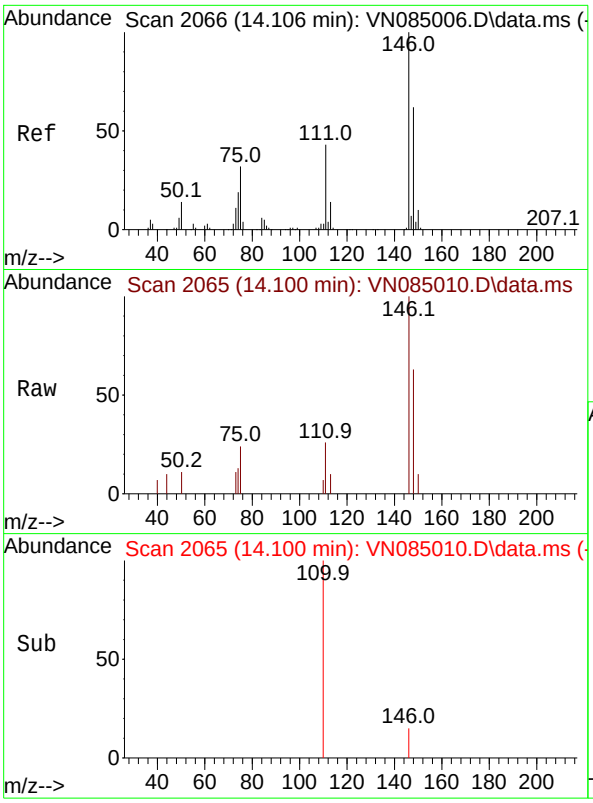


#90
Hexachloroethane
Concen: 1.107 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:117 Resp: 1217

Ion	Ratio	Lower	Upper
117	100		
201	30.8	35.2	105.6#



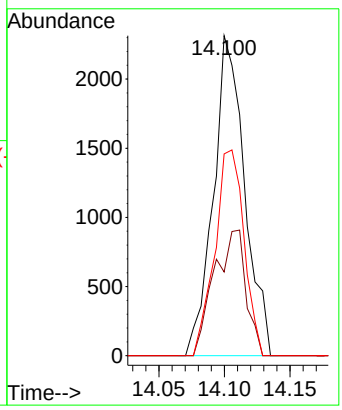


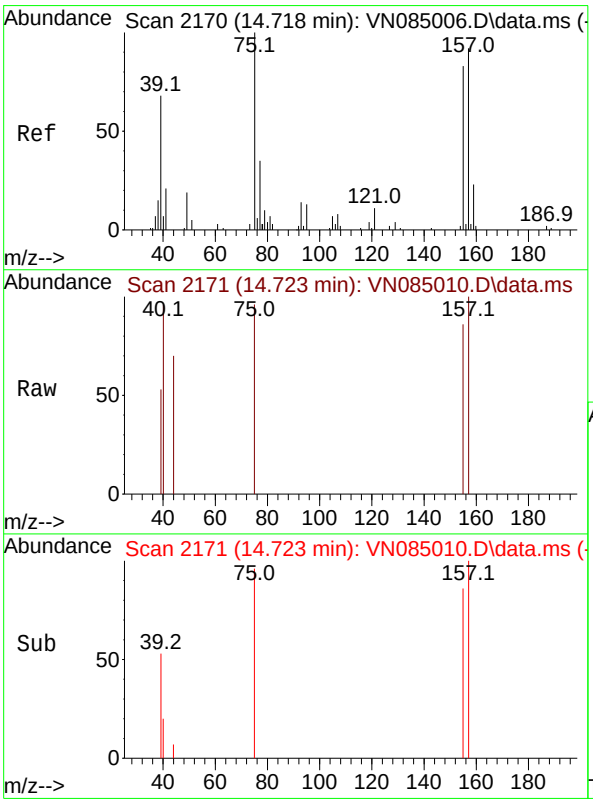
#91
1,2-Dichlorobenzene
Concen: 1.202 ug/l
RT: 14.100 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 3830

Ion	Ratio	Lower	Upper
146	100		
111	40.0	21.9	65.8
148	60.1	31.1	93.2

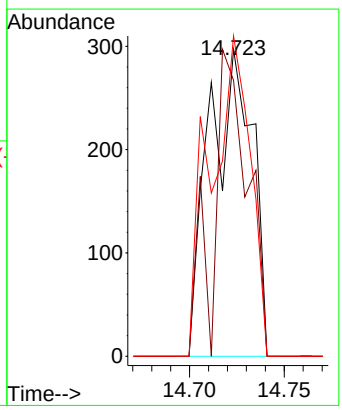


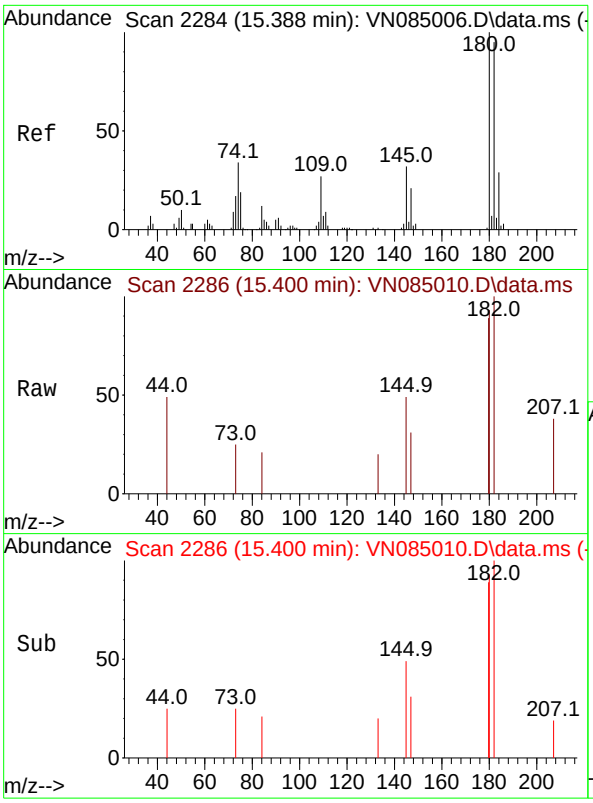


#92
1,2-Dibromo-3-Chloropropane
Concen: 1.136 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 75 Resp: 470

Ion	Ratio	Lower	Upper
75	100		
155	80.4	38.9	116.7
157	96.2	48.3	144.9



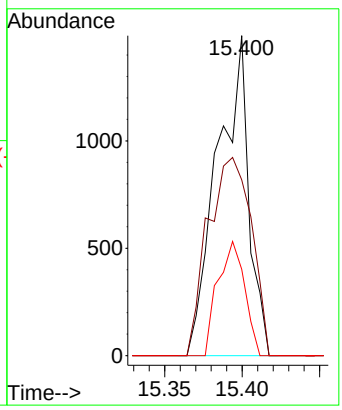


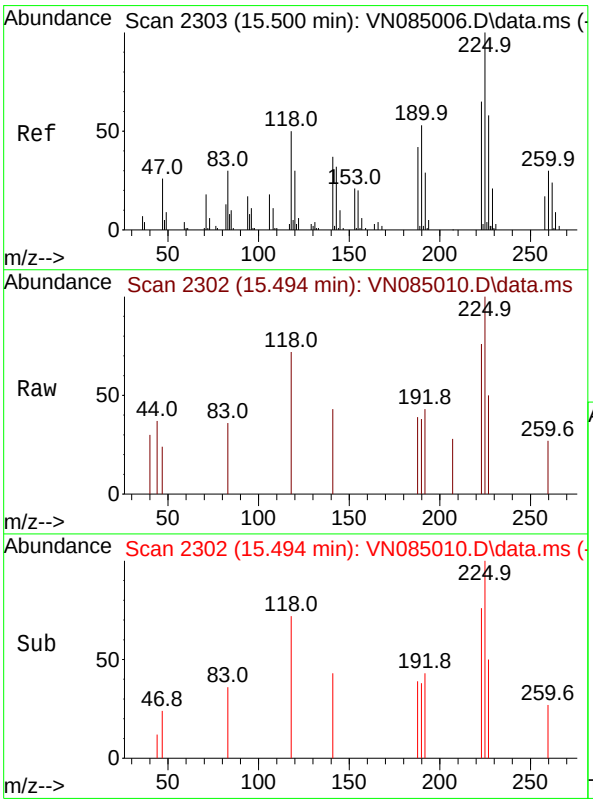
#93
1,2,4-Trichlorobenzene
Concen: 1.209 ug/l
RT: 15.400 min Scan# 2
Delta R.T. 0.012 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 2092

Ion	Ratio	Lower	Upper
180	100		
182	86.2	46.9	140.8
145	30.5	16.3	48.8

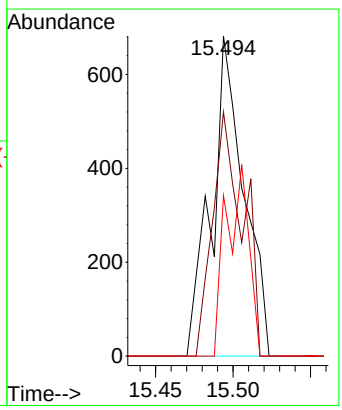


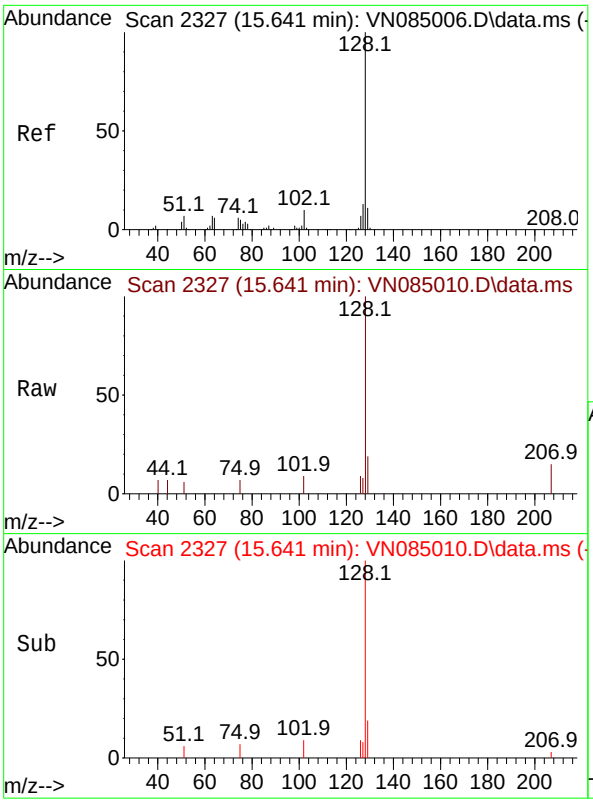


#94
Hexachlorobutadiene
Concen: 1.236 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:225 Resp: 987

Ion	Ratio	Lower	Upper
225	100		
223	71.1	30.9	92.8
227	42.1	31.5	94.5



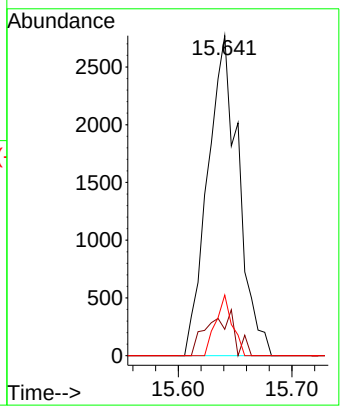


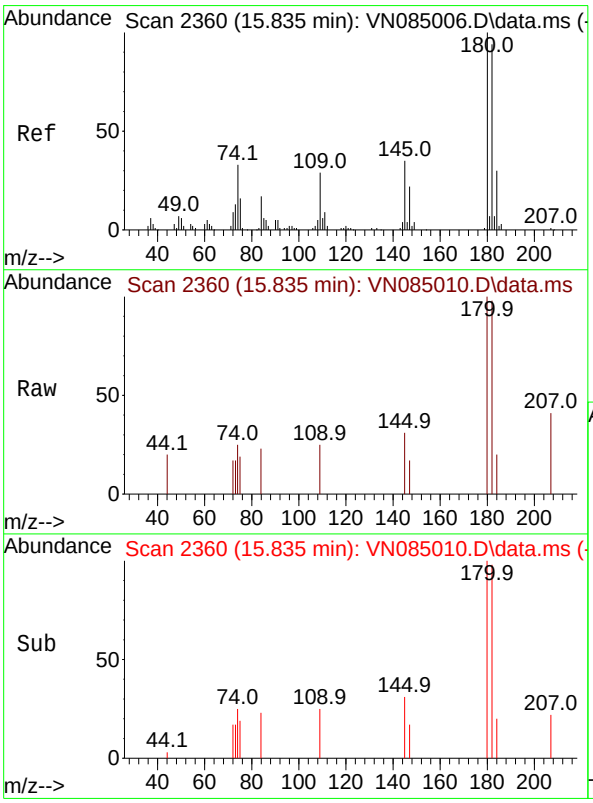
#95
Naphthalene
Concen: 1.063 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 5242

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.6	16.0
129	10.2	8.6	12.8

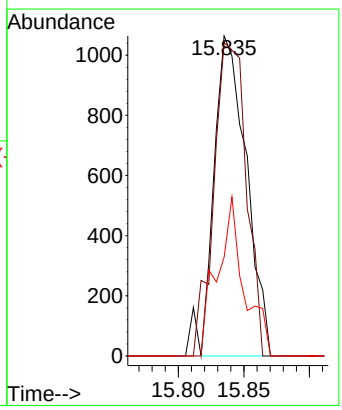




#96
1,2,3-Trichlorobenzene
Concen: 1.120 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:180 Resp: 1849

Ion	Ratio	Lower	Upper
180	100		
182	97.3	46.4	139.2
145	40.6	17.3	52.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	180278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	293712	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	254182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	128770	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	129855	50.568	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.140%			
35) Dibromofluoromethane	8.159	113	102148	51.572	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.140%			
50) Toluene-d8	10.559	98	379679	53.488	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.980%			
62) 4-Bromofluorobenzene	12.847	95	141423	53.276	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	95019	46.612	ug/l	99
3) Chloromethane	2.359	50	99689	42.164	ug/l	98
4) Vinyl Chloride	2.512	62	97145	45.721	ug/l	95
5) Bromomethane	2.900	94	53525	44.945	ug/l	91
6) Chloroethane	3.077	64	59473	41.527	ug/l	94
7) Trichlorofluoromethane	3.477	101	165959	45.916	ug/l	94
8) Diethyl Ether	3.953	74	58978	47.942	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	93701	45.709	ug/l	99
10) Methyl Iodide	4.577	142	127705	47.063	ug/l	97
11) Tert butyl alcohol	5.536	59	74416	216.857	ug/l	97
12) 1,1-Dichloroethene	4.330	96	89314	46.677	ug/l	97
13) Acrolein	4.171	56	58781	256.710	ug/l	99
14) Allyl chloride	5.012	41	152182	47.178	ug/l	99
15) Acrylonitrile	5.712	53	225423	232.029	ug/l	99
16) Acetone	4.424	43	188963	252.665	ug/l	99
17) Carbon Disulfide	4.700	76	244899	43.362	ug/l #	94
18) Methyl Acetate	5.018	43	111346	46.500	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	303857	48.602	ug/l	98
20) Methylene Chloride	5.271	84	98339	43.090	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	92234	45.805	ug/l #	89
22) Diisopropyl ether	6.665	45	306957	47.281	ug/l	98
23) Vinyl Acetate	6.594	43	1108786	247.560	ug/l	100
24) 1,1-Dichloroethane	6.559	63	177343	45.647	ug/l	99
25) 2-Butanone	7.477	43	294434	240.802	ug/l	100
26) 2,2-Dichloropropane	7.488	77	168144	46.349	ug/l	98
27) cis-1,2-Dichloroethene	7.477	96	110716	45.609	ug/l	97
28) Bromochloromethane	7.812	49	67335	45.913	ug/l	97
29) Tetrahydrofuran	7.835	42	183433	241.241	ug/l	100
30) Chloroform	7.959	83	188550	45.623	ug/l	95
31) Cyclohexane	8.253	56	157639	46.084	ug/l	97
32) 1,1,1-Trichloroethane	8.159	97	170723	45.714	ug/l	99
36) 1,1-Dichloropropene	8.365	75	129026	48.093	ug/l	99
37) Ethyl Acetate	7.553	43	113781	46.651	ug/l	100
38) Carbon Tetrachloride	8.359	117	151265	48.846	ug/l	98
39) Methylcyclohexane	9.594	83	145286	52.114	ug/l	98
40) Benzene	8.600	78	404536	47.675	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	66590	49.311	ug/l		98
42) 1,2-Dichloroethane	8.665	62	136508	47.025	ug/l		100
43) Isopropyl Acetate	8.688	43	210623	41.574	ug/l		99
44) Trichloroethene	9.347	130	93086	47.205	ug/l		98
45) 1,2-Dichloropropane	9.618	63	98380	47.073	ug/l		95
46) Dibromomethane	9.706	93	69575	47.909	ug/l		99
47) Bromodichloromethane	9.882	83	146603	47.631	ug/l		97
48) Methyl methacrylate	9.676	41	95959	50.900	ug/l		97
49) 1,4-Dioxane	9.694	88	31078	950.585	ug/l	#	87
51) 4-Methyl-2-Pentanone	10.441	43	582480	251.720	ug/l		100
52) Toluene	10.629	92	249568	49.682	ug/l		99
53) t-1,3-Dichloropropene	10.829	75	150836	48.881	ug/l		97
54) cis-1,3-Dichloropropene	10.306	75	164009	50.100	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	92219	49.287	ug/l		99
56) Ethyl methacrylate	10.871	69	149537	54.694	ug/l		98
57) 1,3-Dichloropropane	11.159	76	158000	47.980	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	315602	235.323	ug/l		99
59) 2-Hexanone	11.194	43	444749	256.983	ug/l		100
60) Dibromochloromethane	11.359	129	108961	47.650	ug/l		99
61) 1,2-Dibromoethane	11.465	107	94657	48.883	ug/l		96
64) Tetrachloroethene	11.100	164	82753	48.316	ug/l		97
65) Chlorobenzene	11.888	112	264798	45.936	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	95374	46.991	ug/l		98
67) Ethyl Benzene	11.959	91	477400	51.046	ug/l		96
68) m/p-Xylenes	12.065	106	363006	101.951	ug/l		99
69) o-Xylene	12.394	106	173028	51.086	ug/l		98
70) Styrene	12.406	104	296759	52.687	ug/l		99
71) Bromoform	12.576	173	73244	48.617	ug/l	#	98
73) Isopropylbenzene	12.694	105	445261	49.014	ug/l		100
74) N-amyl acetate	12.494	43	184990	49.418	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	132755	42.796	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	172673	73.722	ug/l		48
77) Bromobenzene	12.976	156	108566	44.410	ug/l		99
78) n-propylbenzene	13.035	91	525567	50.160	ug/l		98
79) 2-Chlorotoluene	13.123	91	324611	46.409	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	382819	50.220	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	49617	46.764	ug/l		98
82) 4-Chlorotoluene	13.217	91	331271	45.496	ug/l		99
83) tert-Butylbenzene	13.435	119	320979	48.939	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	392031	49.962	ug/l		99
85) sec-Butylbenzene	13.612	105	444471	50.166	ug/l		99
86) p-Isopropyltoluene	13.729	119	378270	51.719	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	204731	42.459	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	202930	41.240	ug/l		97
89) n-Butylbenzene	14.053	91	325752	47.892	ug/l		100
90) Hexachloroethane	14.335	117	72271	45.332	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	200864	43.472	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26503	44.183	ug/l		99
93) 1,2,4-Trichlorobenzene	15.394	180	107707	42.908	ug/l		99
94) Hexachlorobutadiene	15.500	225	49330	42.581	ug/l		99
95) Naphthalene	15.641	128	329352	46.067	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	102829	42.932	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

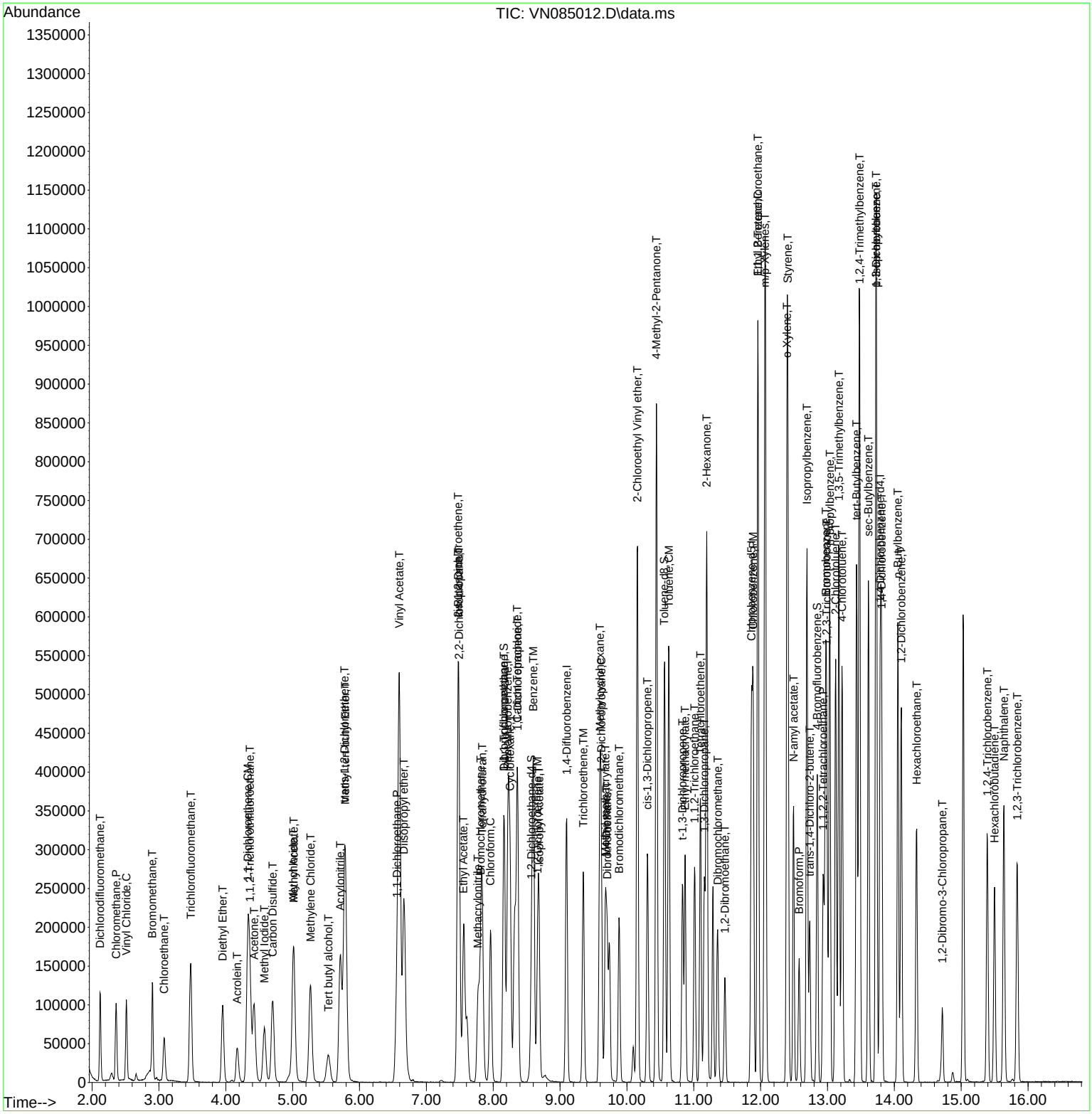
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

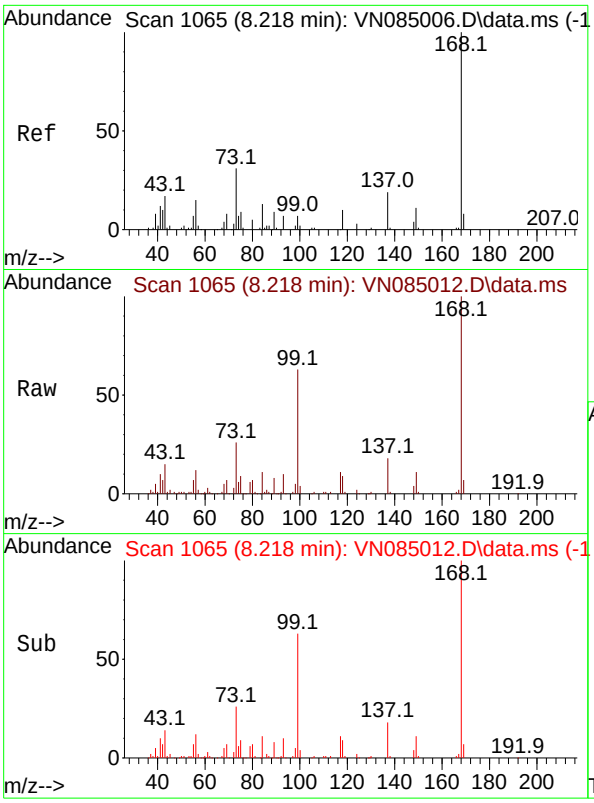
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



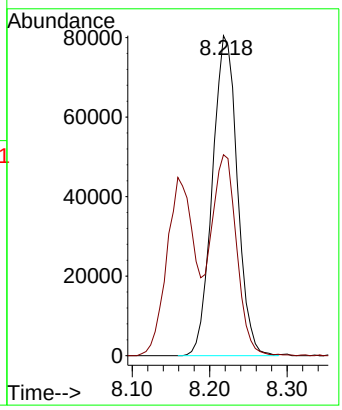


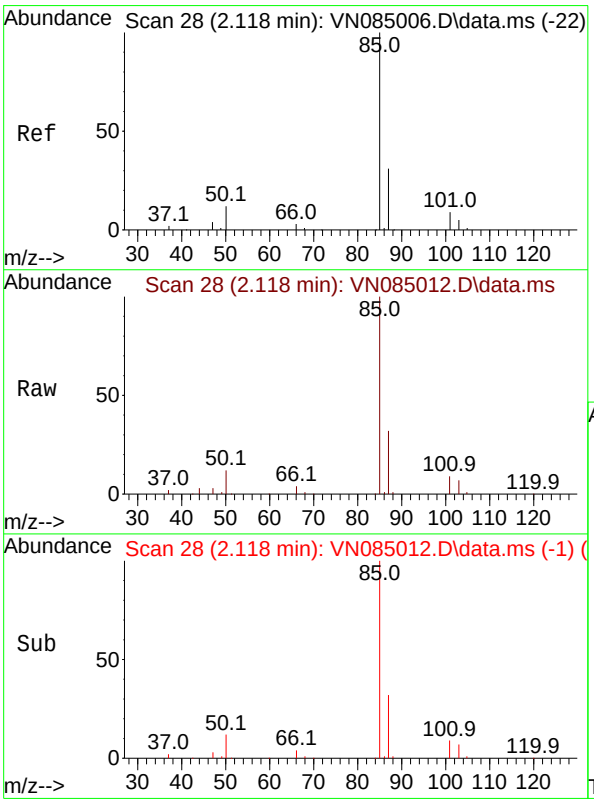
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion:168 Resp: 180278

Ion	Ratio	Lower	Upper
168	100		
99	62.4	51.2	76.8

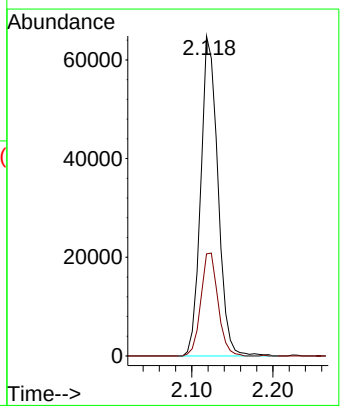


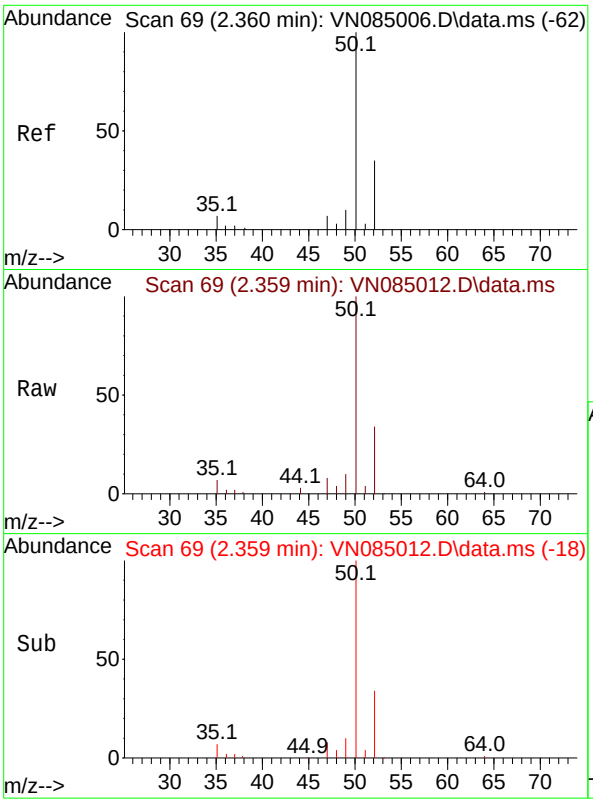


#2
Dichlorodifluoromethane
Concen: 46.612 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 85 Resp: 95019

Ion	Ratio	Lower	Upper
85	100		
87	31.9	15.7	47.1



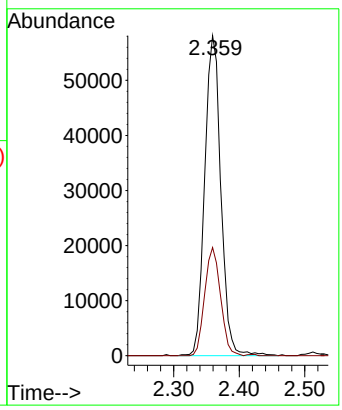


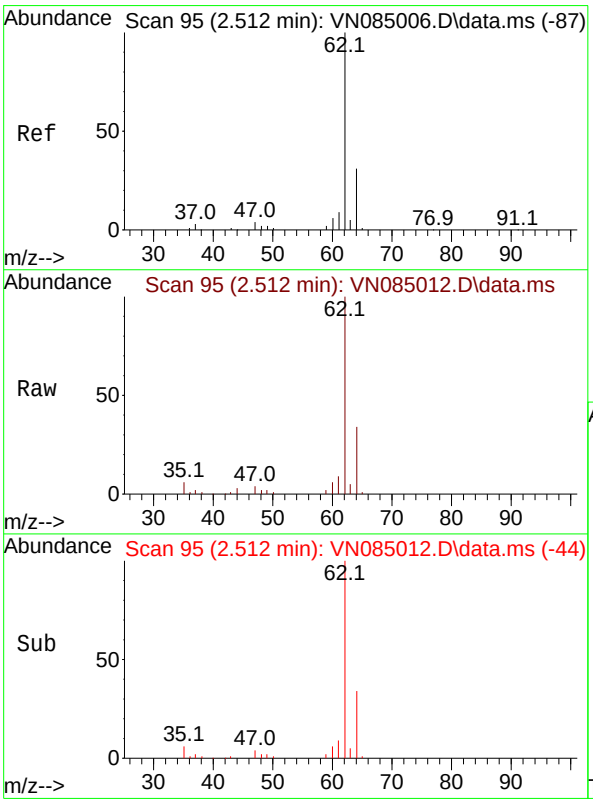
#3
Chloromethane
Concen: 42.164 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 50 Resp: 99689

Ion	Ratio	Lower	Upper
50	100		
52	33.8	27.8	41.8

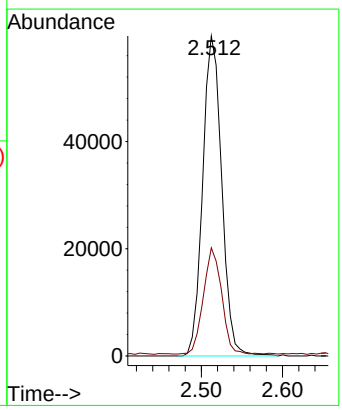


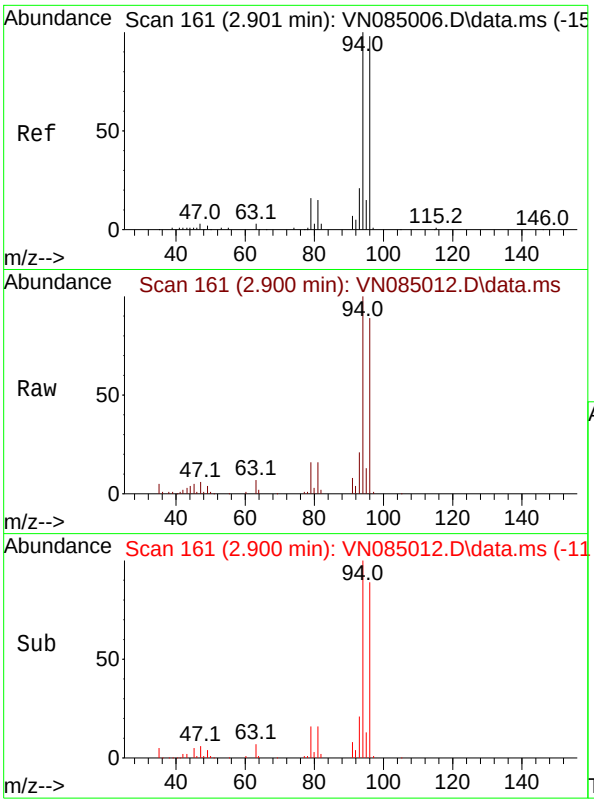


#4
Vinyl Chloride
Concen: 45.721 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 62 Resp: 97145

Ion	Ratio	Lower	Upper
62	100		
64	33.2	24.6	36.8



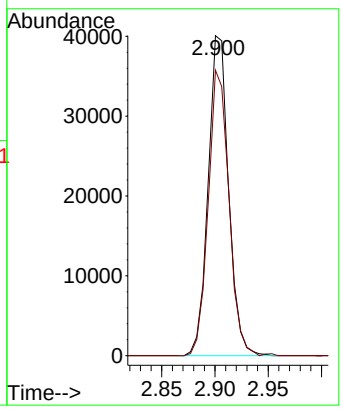


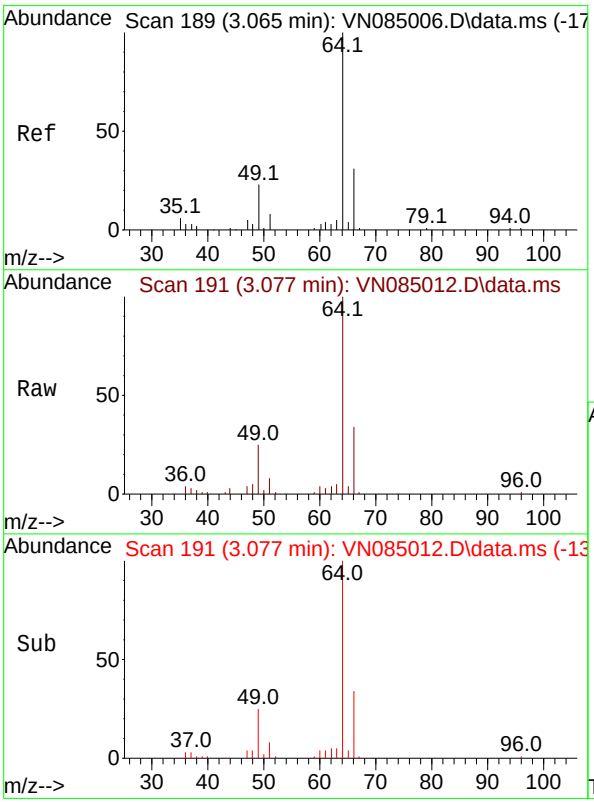
#5
Bromomethane
Concen: 44.945 ug/l
RT: 2.900 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 94 Resp: 53525

Ion	Ratio	Lower	Upper
94	100		
96	89.2	78.7	118.1

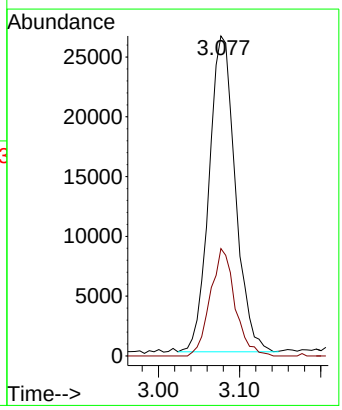


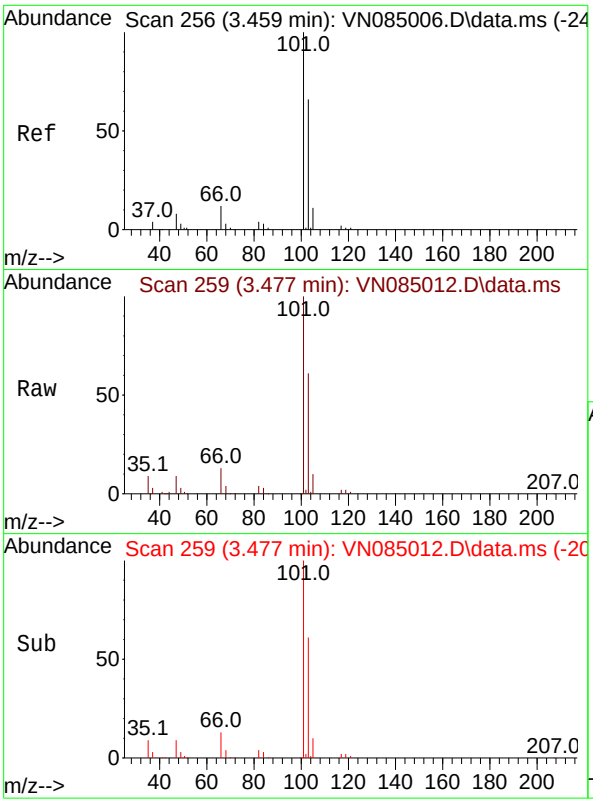


#6
Chloroethane
Concen: 41.527 ug/l
RT: 3.077 min Scan# 191
Delta R.T. 0.012 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 64 Resp: 59473

Ion	Ratio	Lower	Upper
64	100		
66	34.0	24.4	36.6



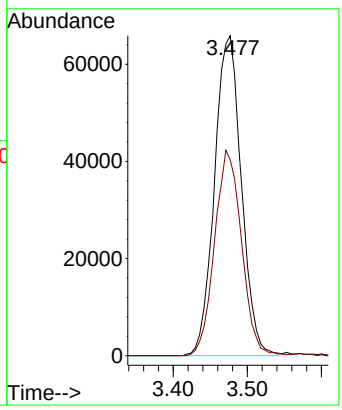


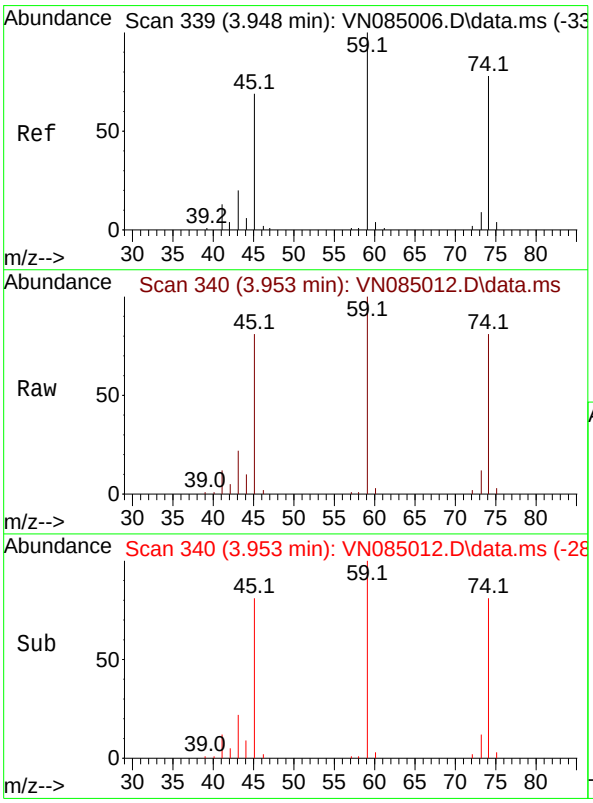
#7
Trichlorofluoromethane
Concen: 45.916 ug/l
RT: 3.477 min Scan# 2
Delta R.T. 0.017 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion:101 Resp: 165959

Ion	Ratio	Lower	Upper
101	100		
103	61.3	52.6	78.8

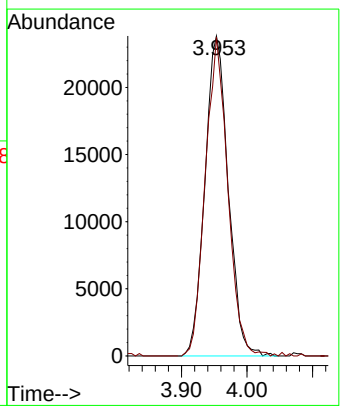


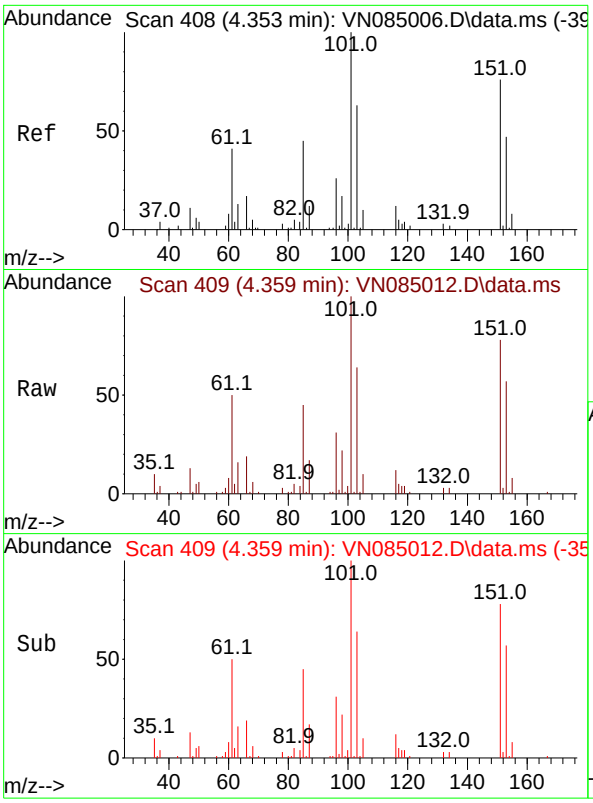


#8
Diethyl Ether
Concen: 47.942 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 74 Resp: 58978

Ion	Ratio	Lower	Upper
74	100		
45	95.6	46.7	140.1



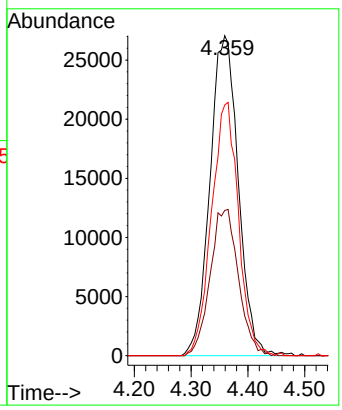


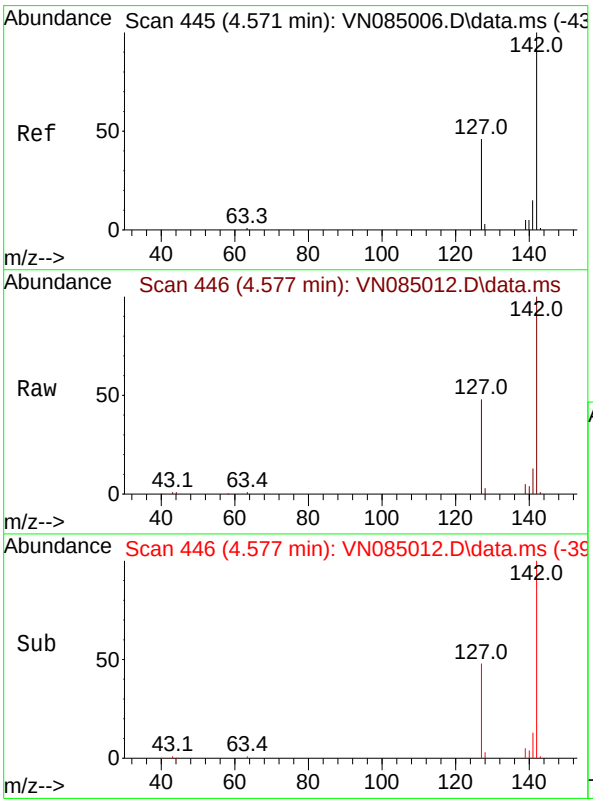
#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.709 ug/l
RT: 4.359 min Scan# 4(
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion:101 Resp: 93701

Ion	Ratio	Lower	Upper
101	100		
85	45.7	36.9	55.3
151	75.2	60.8	91.2

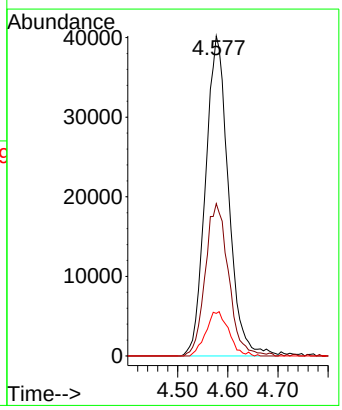


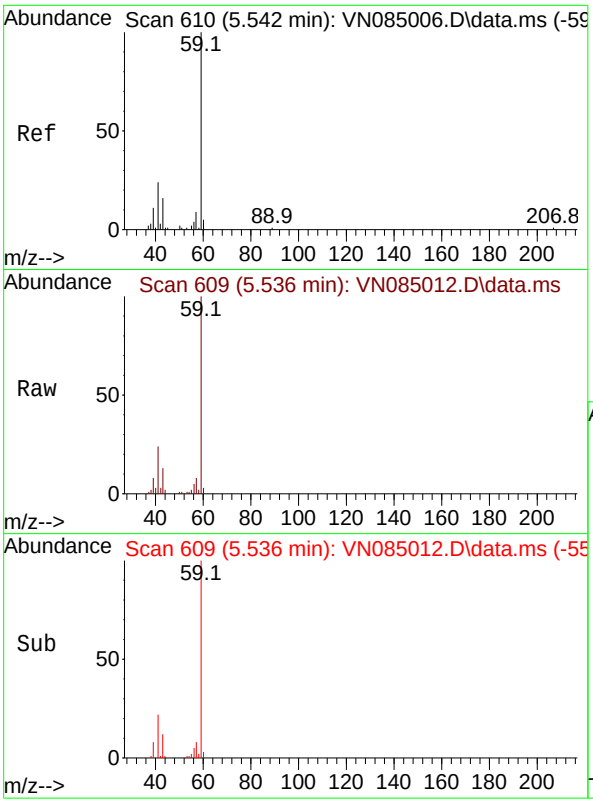


#10
Methyl Iodide
Concen: 47.063 ug/l
RT: 4.577 min Scan# 446
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:142 Resp: 127705

Ion	Ratio	Lower	Upper
142	100		
127	47.6	36.6	54.8
141	13.3	12.2	18.4



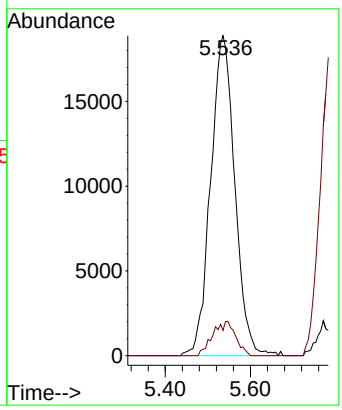


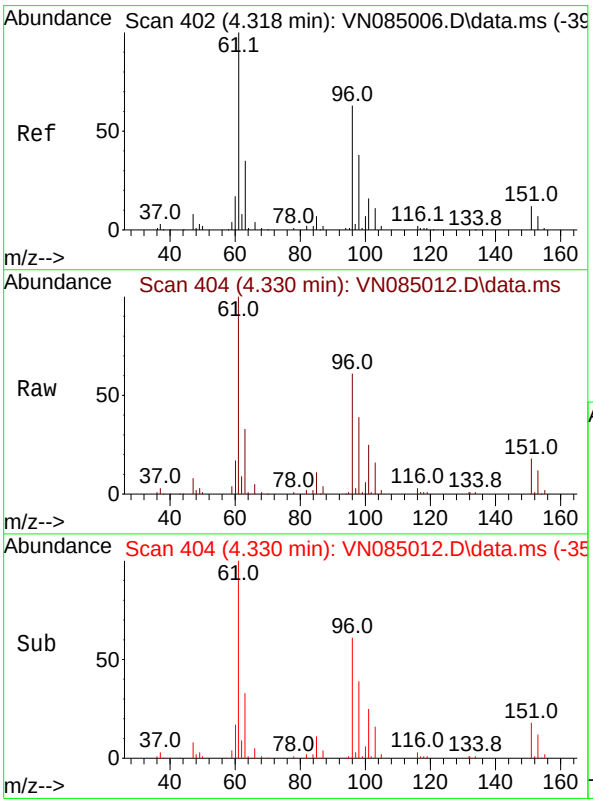
#11
Tert butyl alcohol
Concen: 216.857 ug/l
RT: 5.536 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 59 Resp: 74416

Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.4	11.0

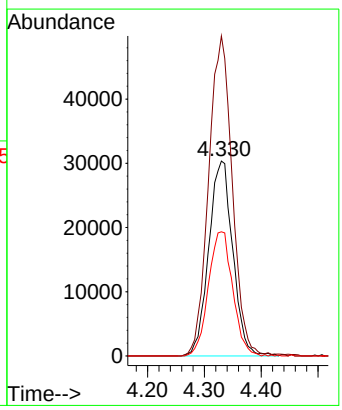


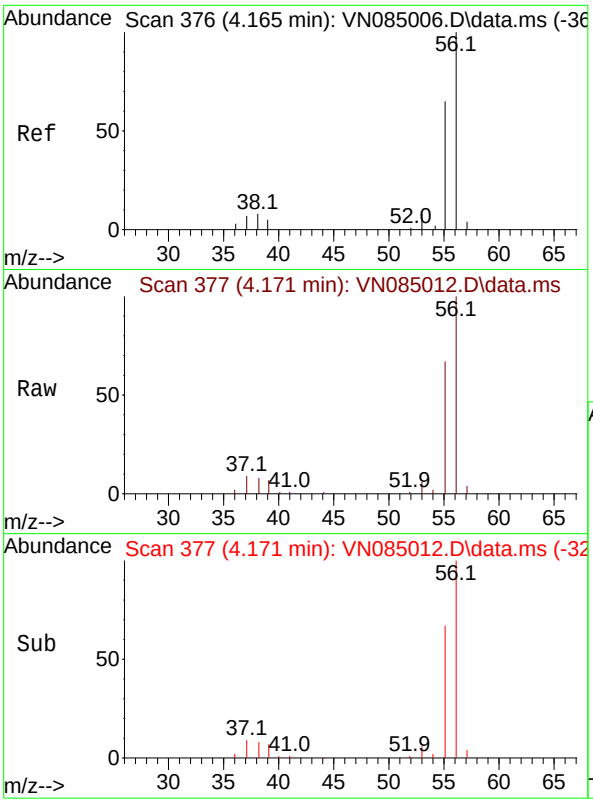


#12
1,1-Dichloroethene
Concen: 46.677 ug/l
RT: 4.330 min Scan# 404
Delta R.T. 0.012 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 96 Resp: 89314

Ion	Ratio	Lower	Upper
96	100		
61	164.2	127.8	191.8
98	63.7	49.2	73.8



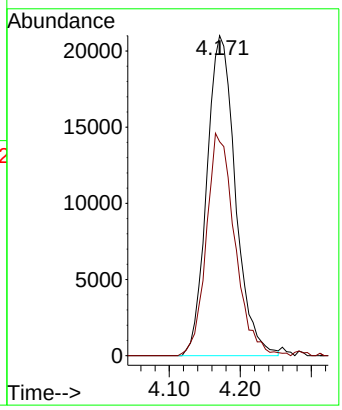


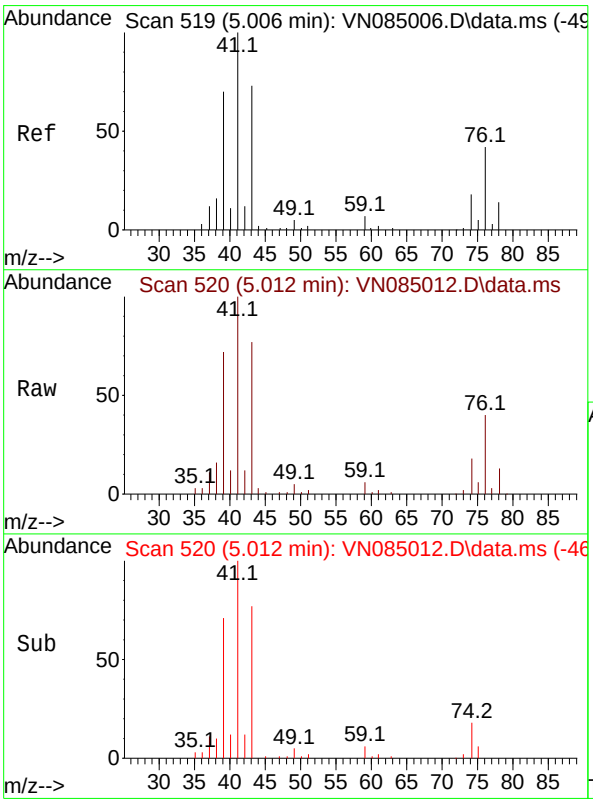
#13
Acrolein
Concen: 256.710 ug/l
RT: 4.171 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 56 Resp: 58781

Ion	Ratio	Lower	Upper
56	100		
55	69.2	54.5	81.7

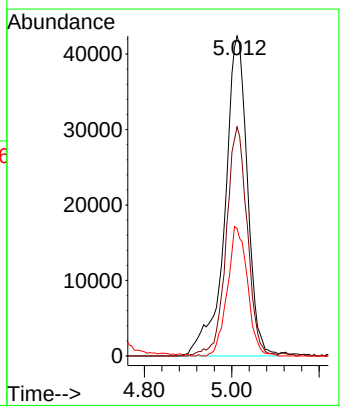


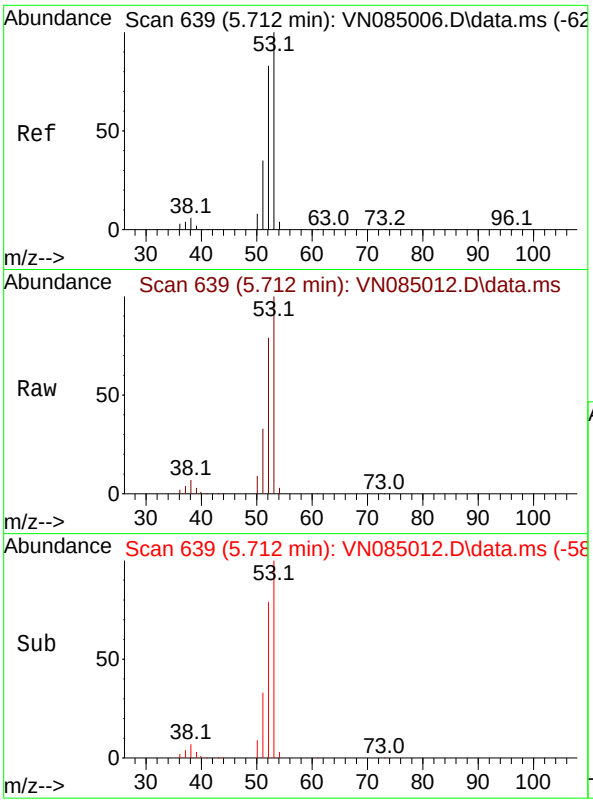


#14
Allyl chloride
Concen: 47.178 ug/l
RT: 5.012 min Scan# 520
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 41 Resp: 152182

Ion	Ratio	Lower	Upper
41	100		
39	66.6	53.8	80.8
76	35.9	29.3	43.9



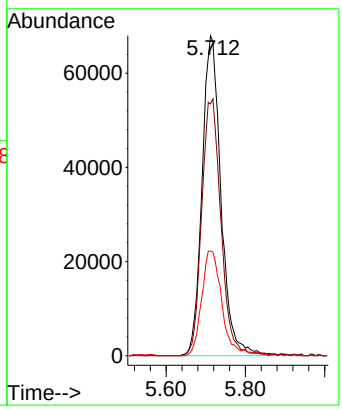


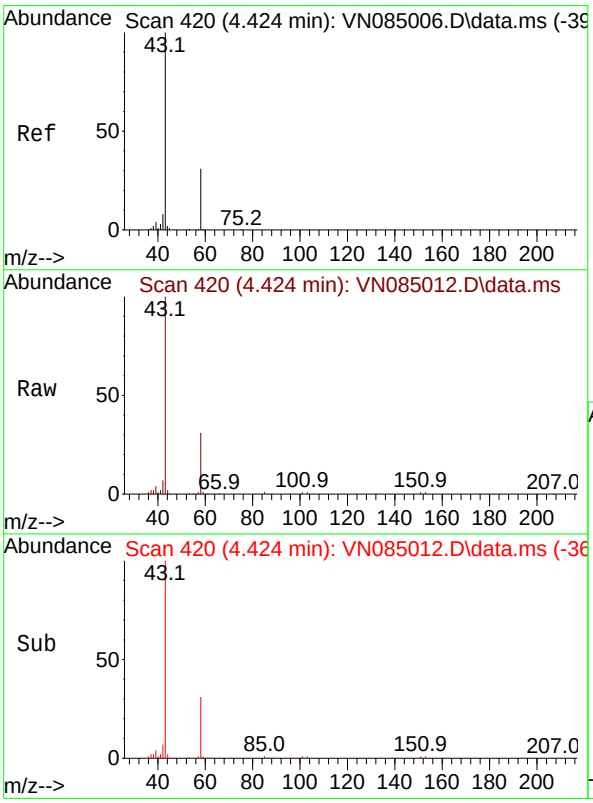
#15
Acrylonitrile
Concen: 232.029 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 53 Resp: 225423

Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.5	98.3
51	34.6	28.4	42.6

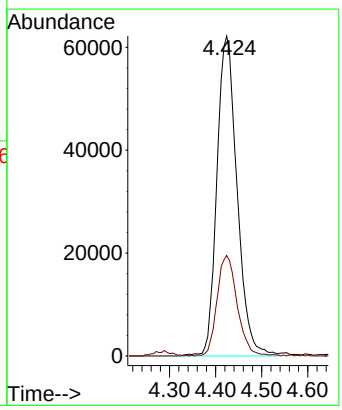


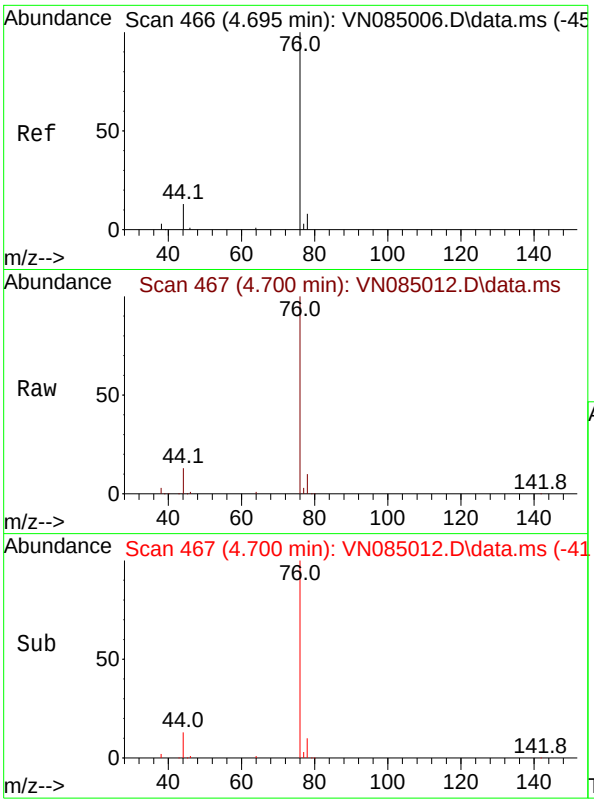


#16
Acetone
Concen: 252.665 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 43 Resp: 188963

Ion	Ratio	Lower	Upper
43	100		
58	31.1	25.4	38.2



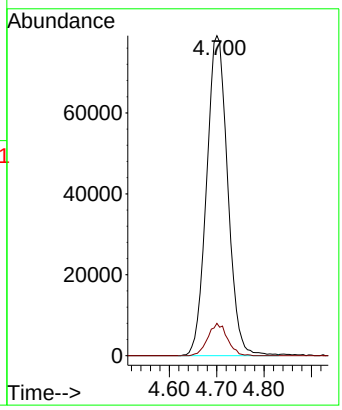


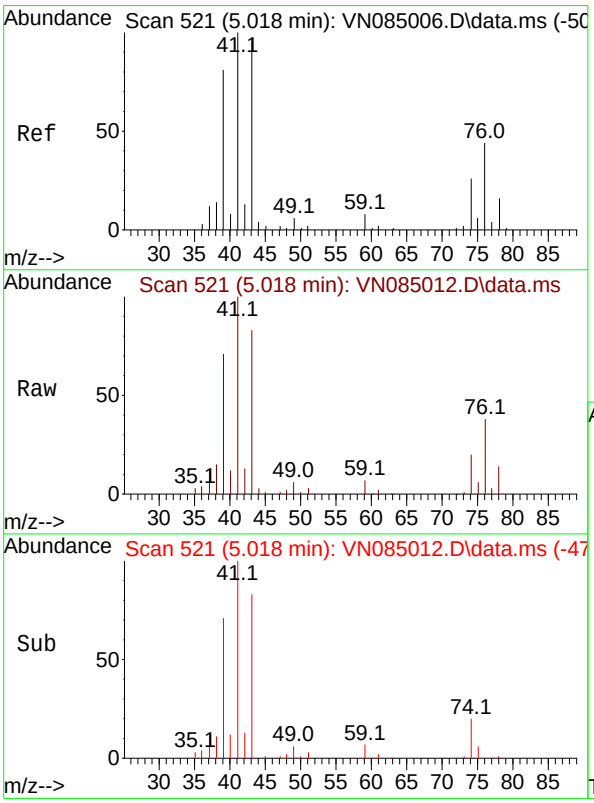
#17
Carbon Disulfide
Concen: 43.362 ug/l
RT: 4.700 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 76 Resp: 244899

Ion	Ratio	Lower	Upper
76	100		
78	10.1	6.5	9.7#

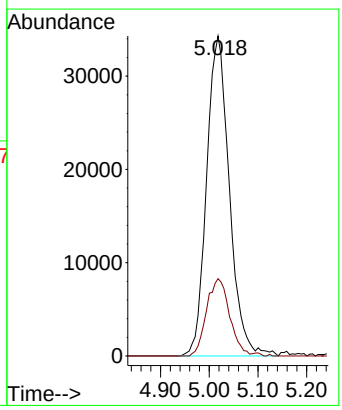


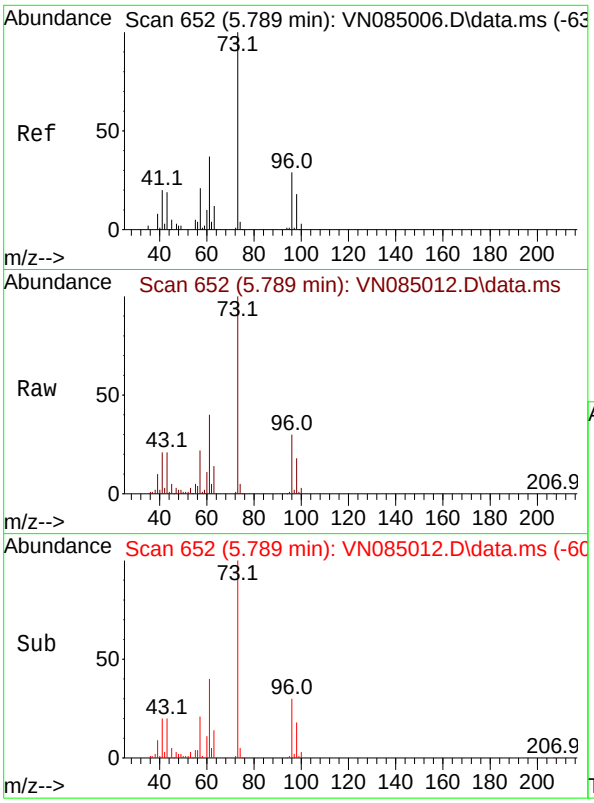


#18
Methyl Acetate
Concen: 46.500 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 43 Resp: 111346

Ion	Ratio	Lower	Upper
43	100		
74	24.4	20.1	30.1



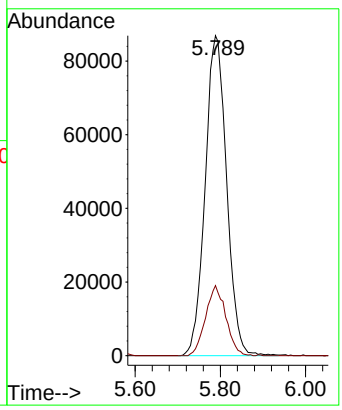


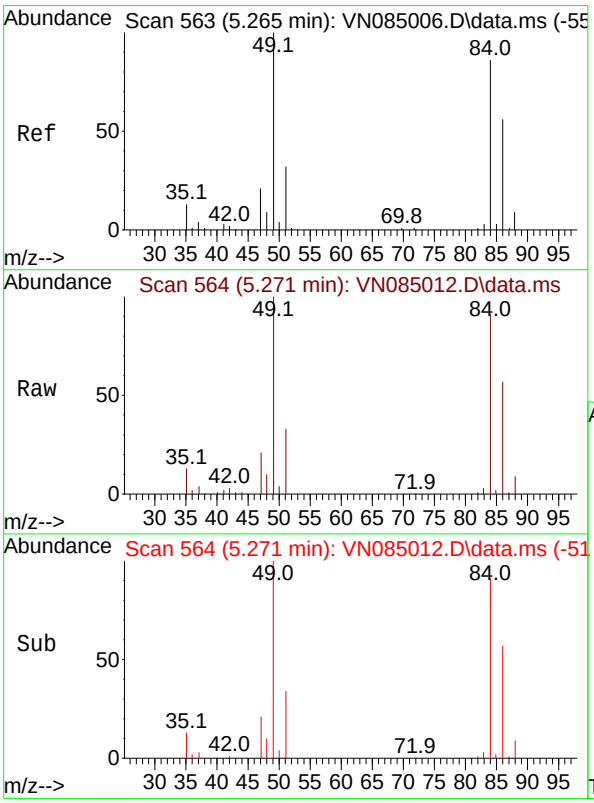
#19
Methyl tert-butyl Ether
Concen: 48.602 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 73 Resp: 303857

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.0	25.4

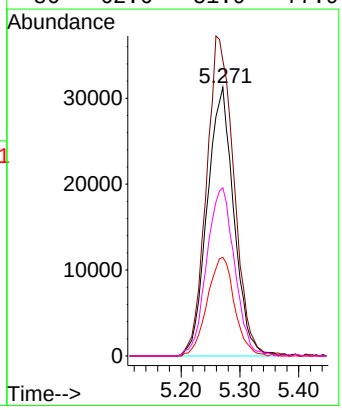


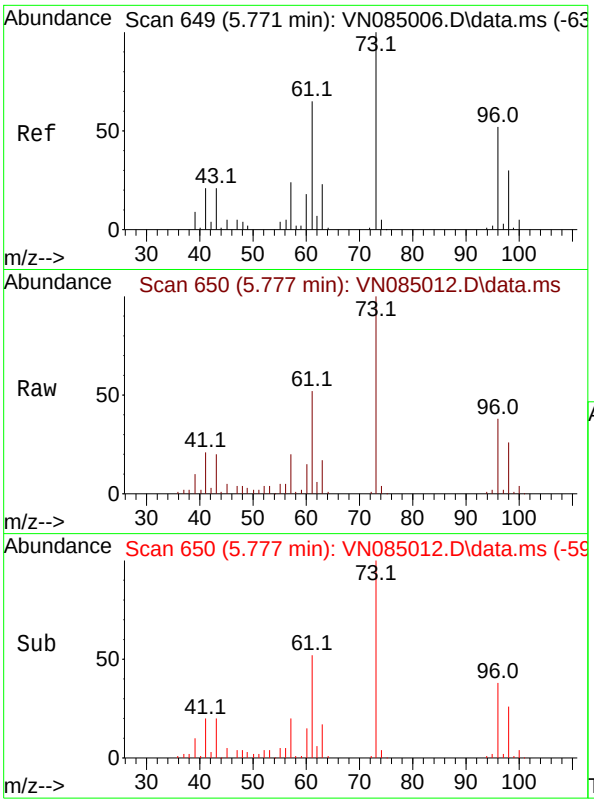


#20
Methylene Chloride
Concen: 43.090 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 84 Resp: 98339

Ion	Ratio	Lower	Upper
84	100		
49	110.0	92.7	139.1
51	36.7	29.4	44.2
86	62.6	51.9	77.9



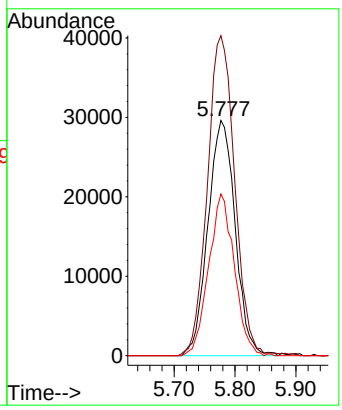


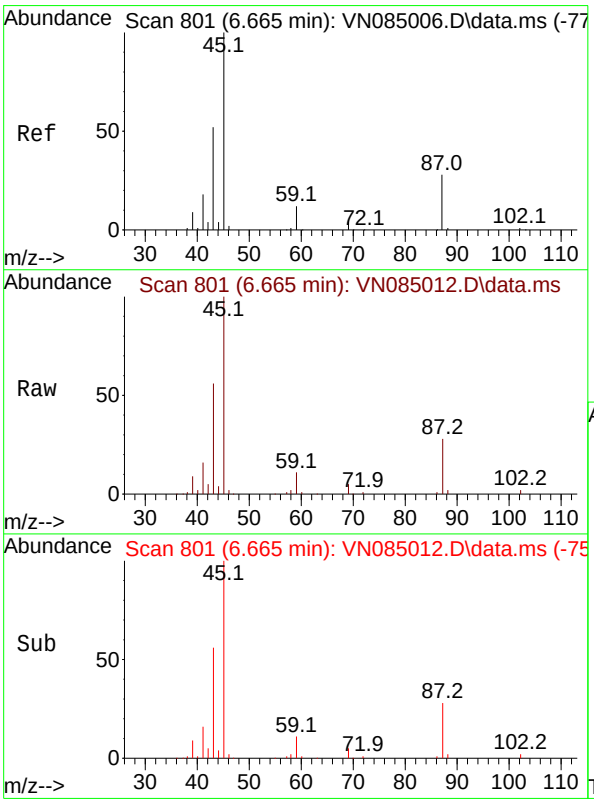
#21
trans-1,2-Dichloroethene
Concen: 45.805 ug/l
RT: 5.777 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 96 Resp: 92234

Ion	Ratio	Lower	Upper
96	100		
61	136.1	100.7	151.1
98	68.7	45.8	68.6#

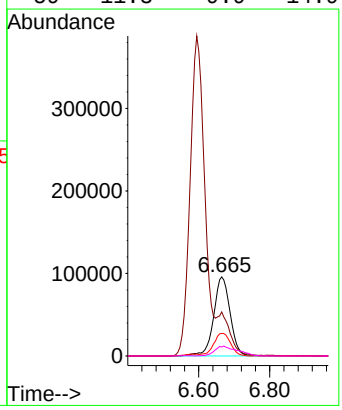


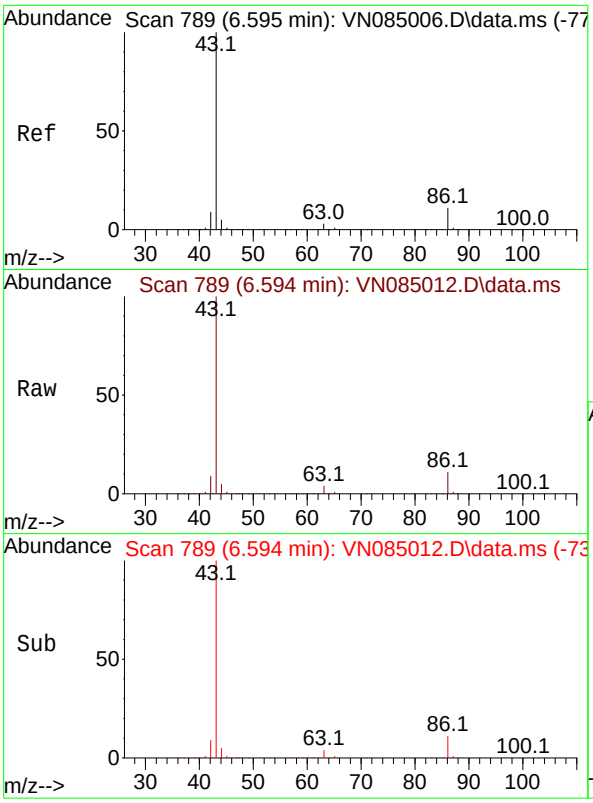


#22
Diisopropyl ether
Concen: 47.281 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 45 Resp: 306957

Ion	Ratio	Lower	Upper
45	100		
43	55.0	42.7	64.1
87	28.5	22.6	34.0
59	11.3	9.9	14.9



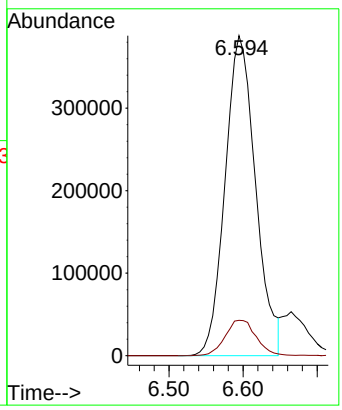


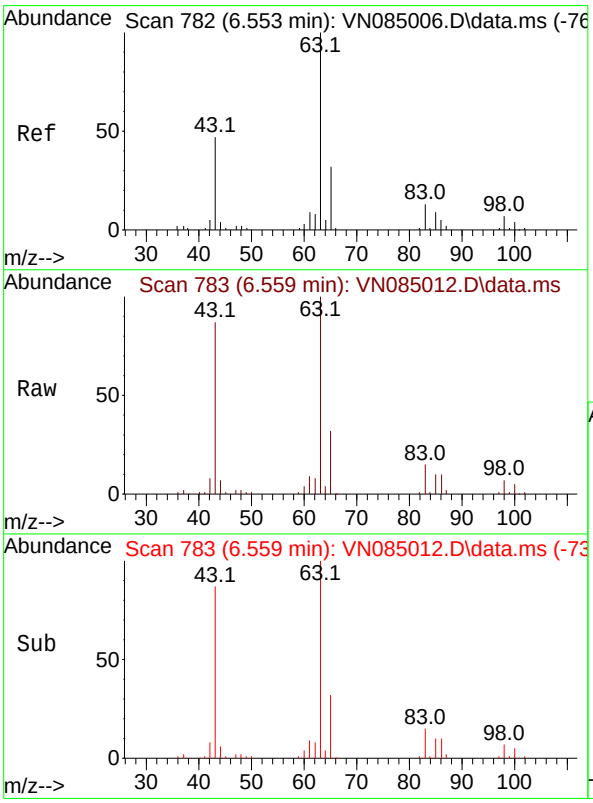
#23
Vinyl Acetate
Concen: 247.560 ug/l
RT: 6.594 min Scan# 78
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 43 Resp: 1108786

Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.9	13.3

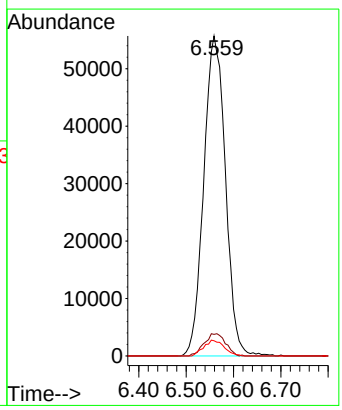


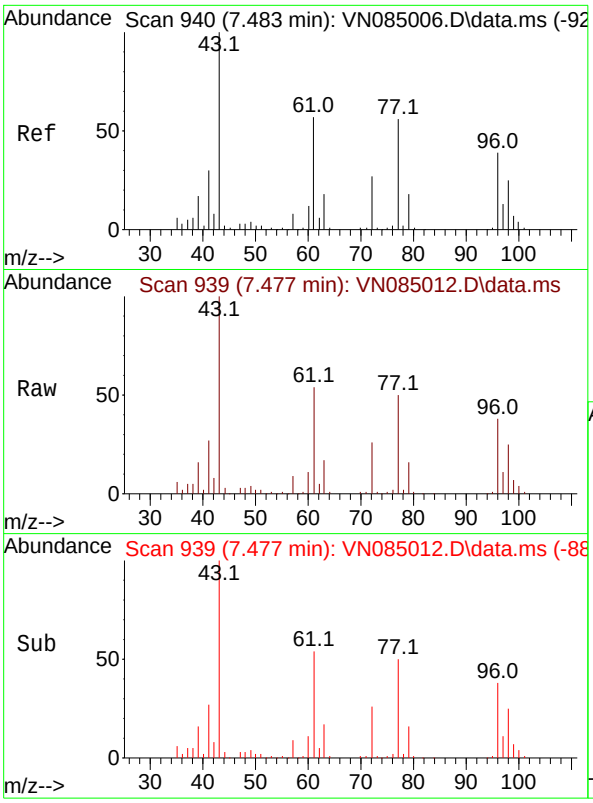


#24
1,1-Dichloroethane
Concen: 45.647 ug/l
RT: 6.559 min Scan# 783
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 63 Resp: 177343

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.3	9.8
100	4.8	2.2	6.6



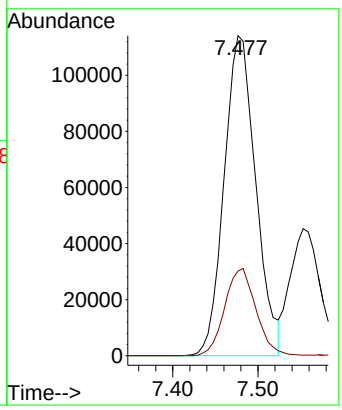


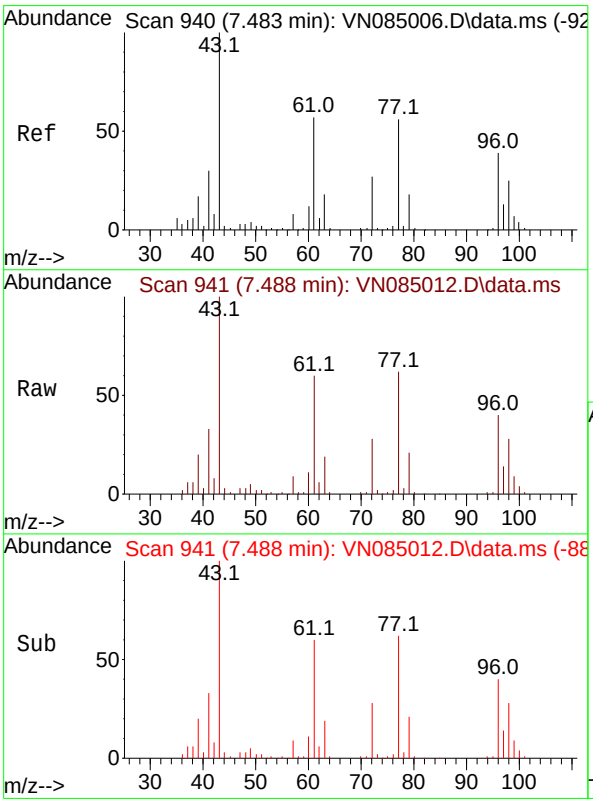
#25
2-Butanone
Concen: 240.802 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 43 Resp: 294434

Ion	Ratio	Lower	Upper
43	100		
72	26.5	21.4	32.0

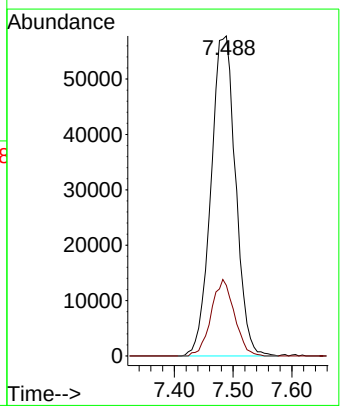


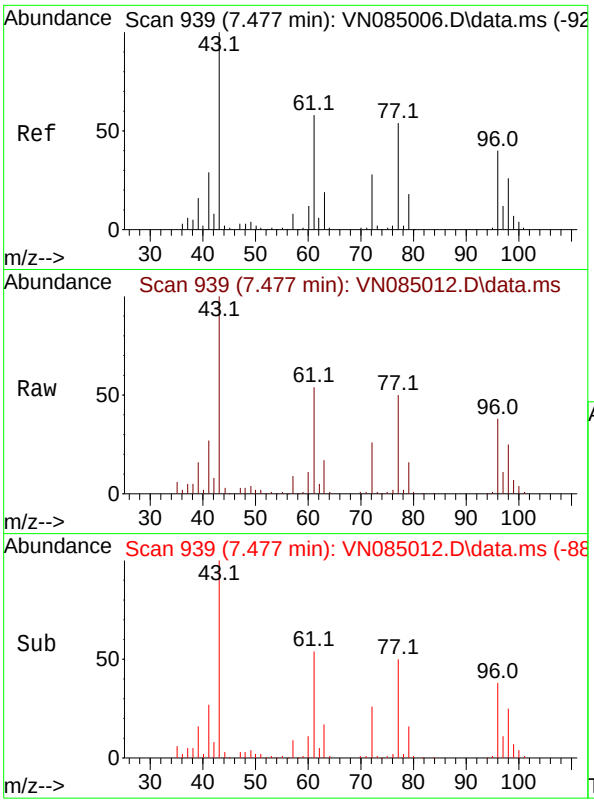


#26
2,2-Dichloropropane
Concen: 46.349 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 77 Resp: 168144

Ion	Ratio	Lower	Upper
77	100		
97	22.5	10.9	32.7



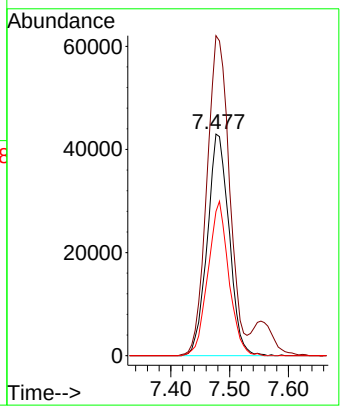


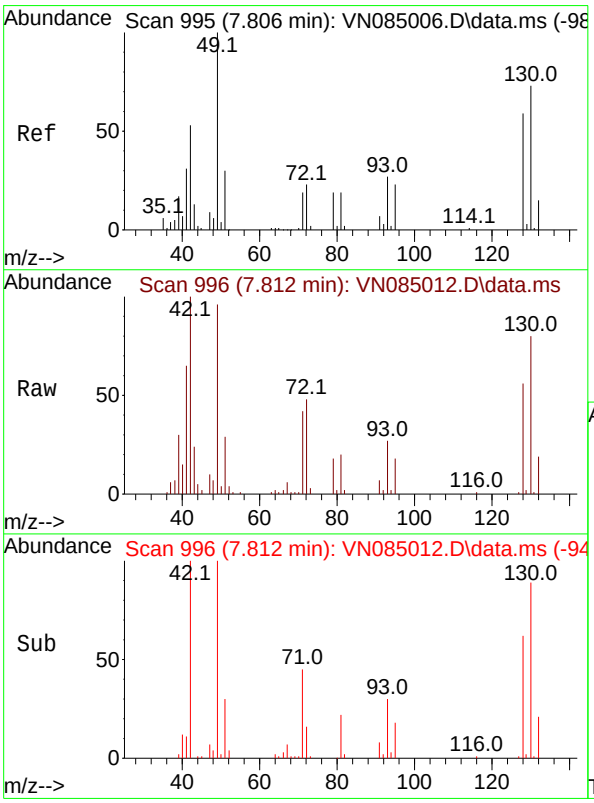
#27
cis-1,2-Dichloroethene
Concen: 45.609 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 96 Resp: 110716

Ion	Ratio	Lower	Upper
96	100		
61	149.3	0.0	291.6
98	66.6	0.0	129.8

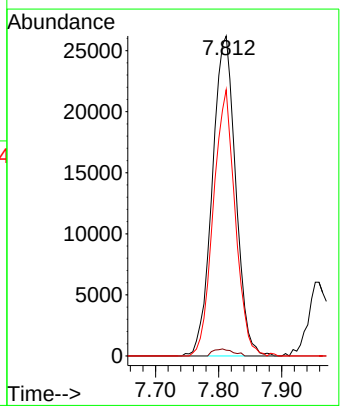


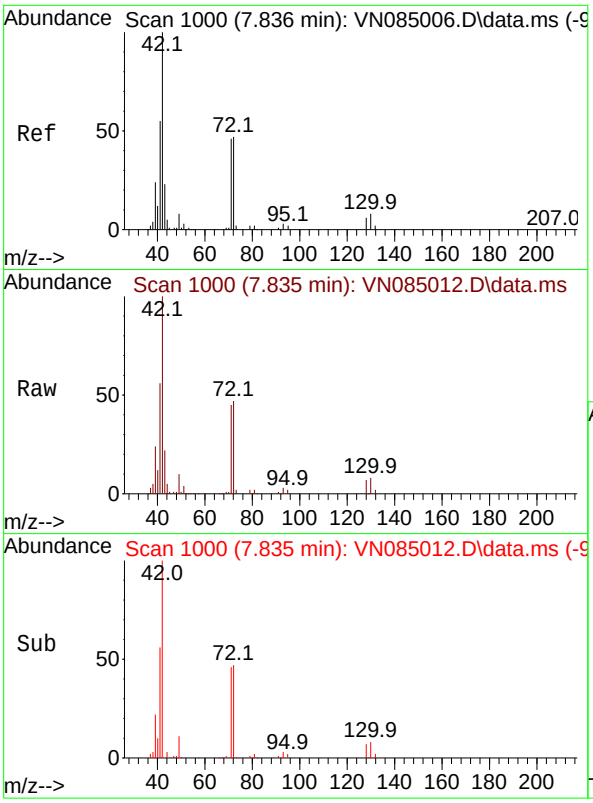


#28
Bromochloromethane
Concen: 45.913 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 49 Resp: 67335

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	78.0	60.6	90.8



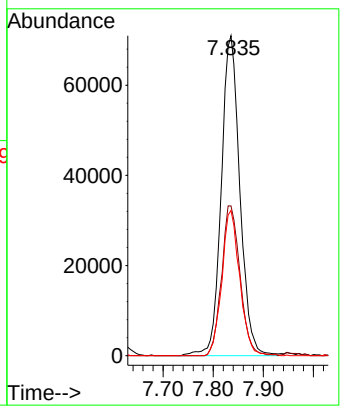


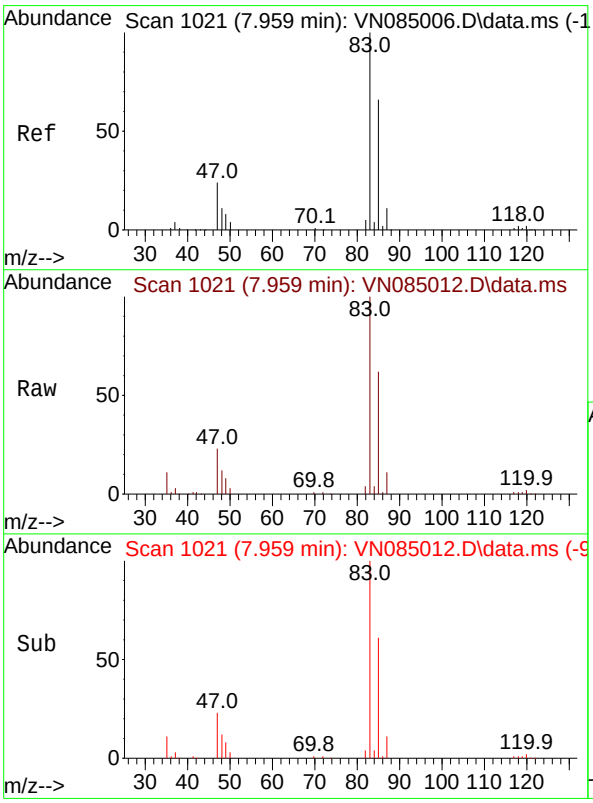
#29
Tetrahydrofuran
Concen: 241.241 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 42 Resp: 183433

Ion	Ratio	Lower	Upper
42	100		
72	46.4	37.0	55.4
71	43.6	35.0	52.4

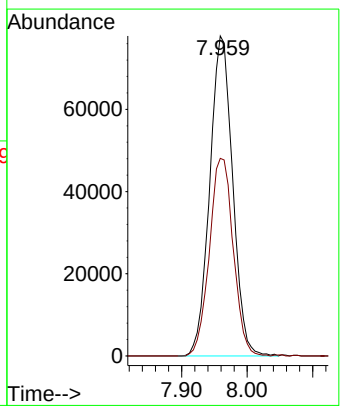


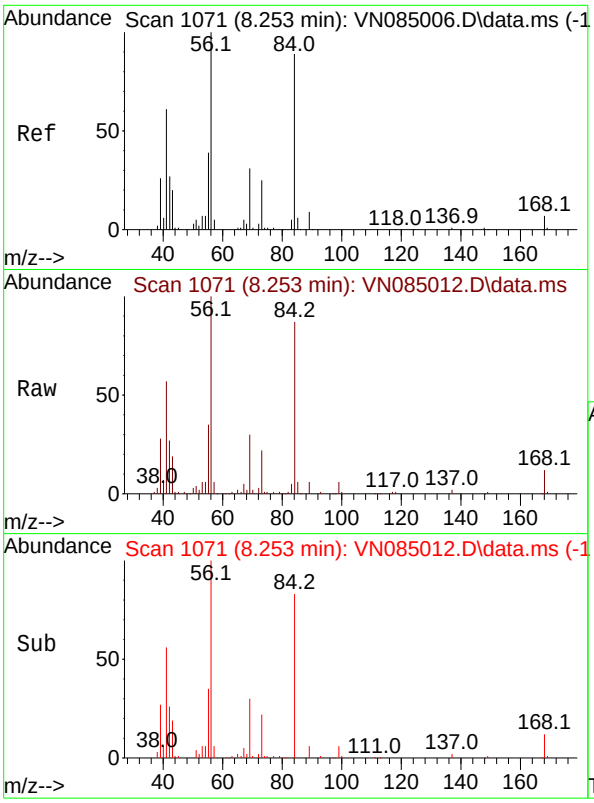


#30
Chloroform
Concen: 45.623 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 83 Resp: 188550

Ion	Ratio	Lower	Upper
83	100		
85	61.8	52.6	78.8



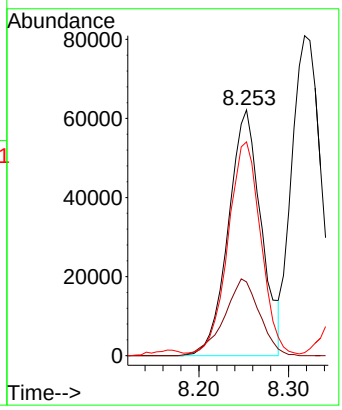


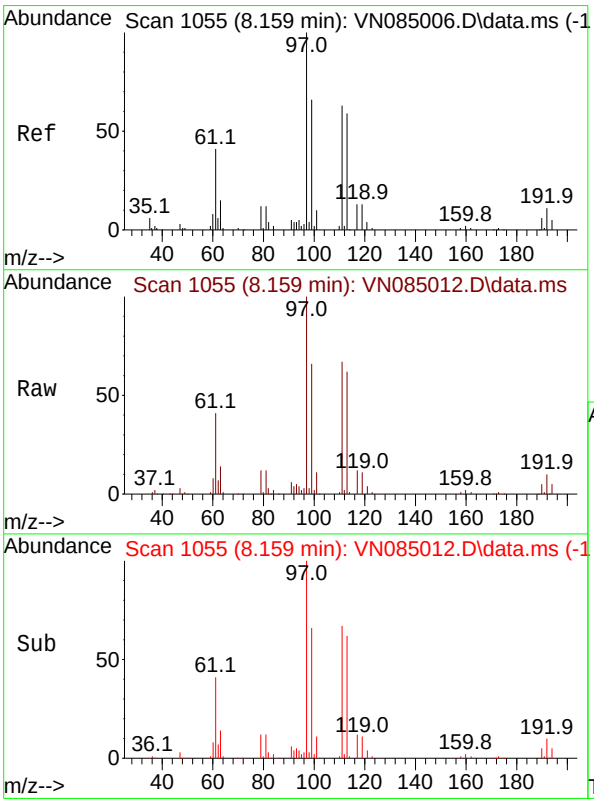
#31
Cyclohexane
Concen: 46.084 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 56 Resp: 157639

Ion	Ratio	Lower	Upper
56	100		
69	30.0	24.6	36.8
84	85.3	71.4	107.2

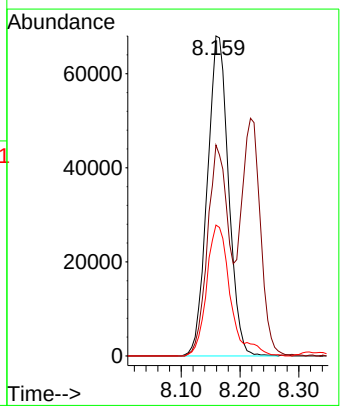


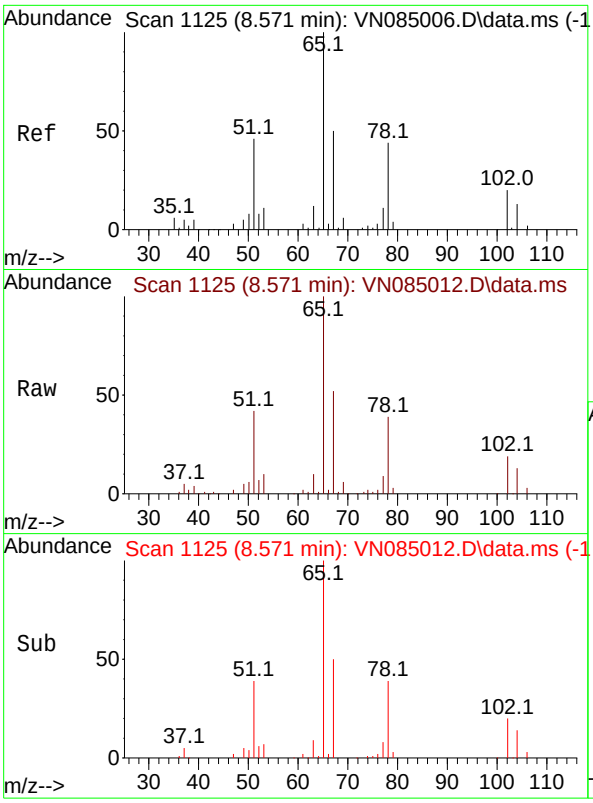


#32
1,1,1-Trichloroethane
Concen: 45.714 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 97 Resp: 170723

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.4
61	45.6	36.2	54.2



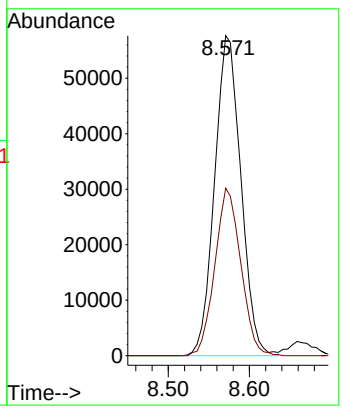


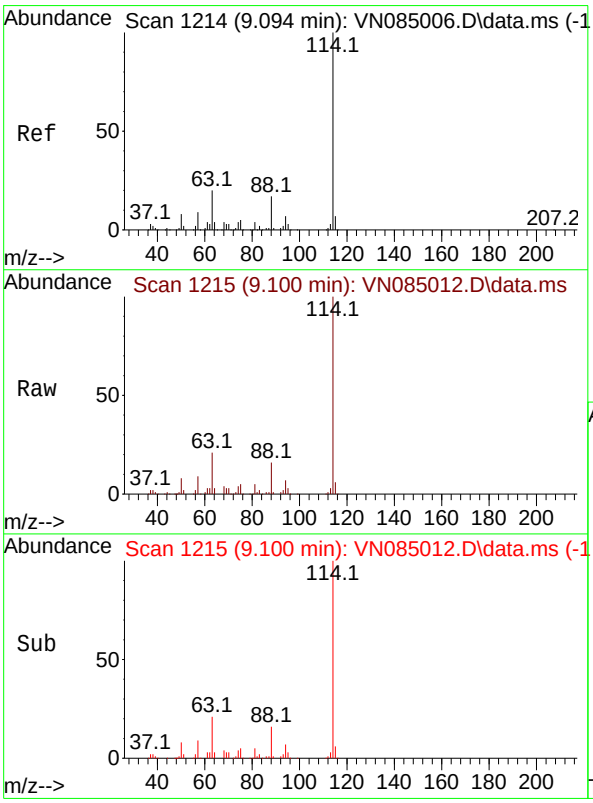
#33
1,2-Dichloroethane-d4
Concen: 50.568 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 65 Resp: 129855

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	105.0

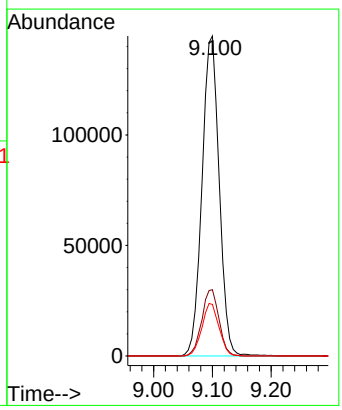


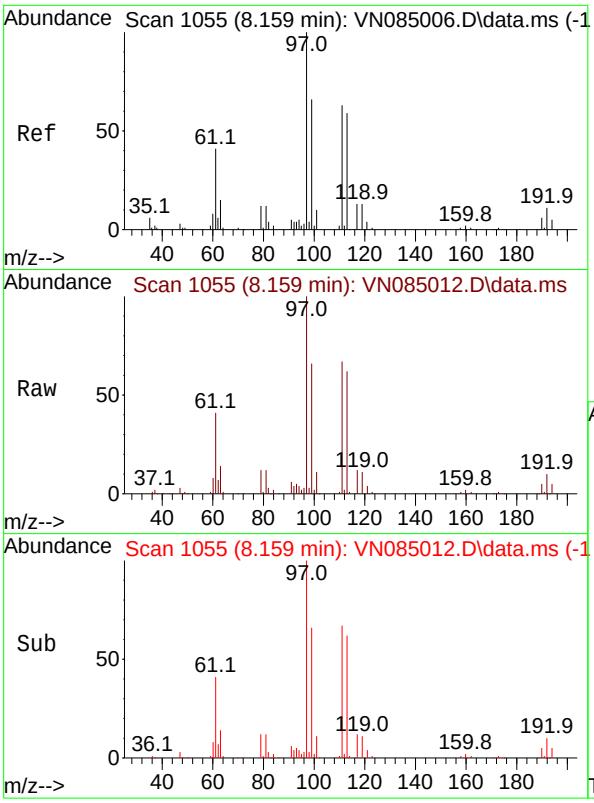


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:114 Resp: 293712

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	41.0
88	16.1	0.0	34.8



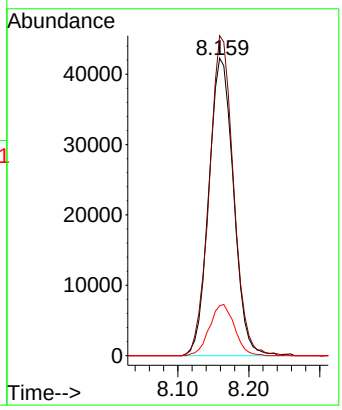


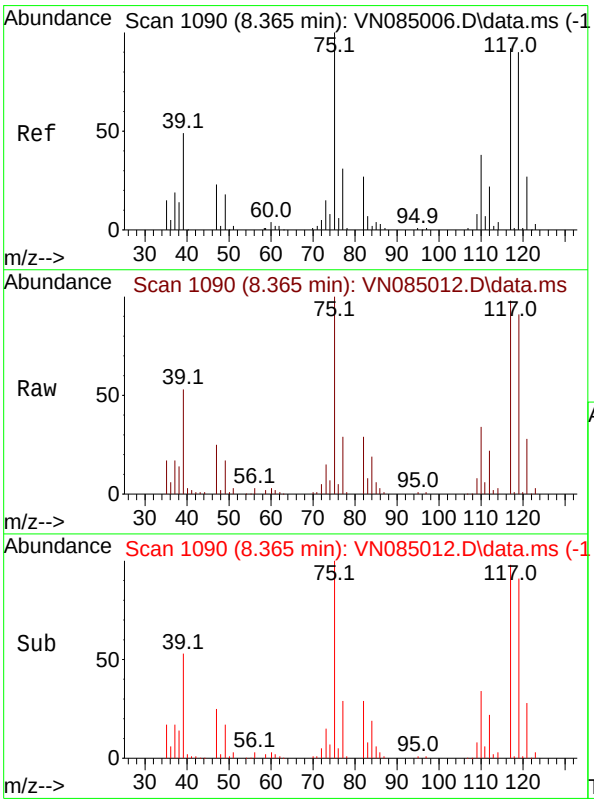
#35
Dibromofluoromethane
Concen: 51.572 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion:113 Resp: 102148

Ion	Ratio	Lower	Upper
113	100		
111	105.3	82.0	123.0
192	17.4	14.8	22.2

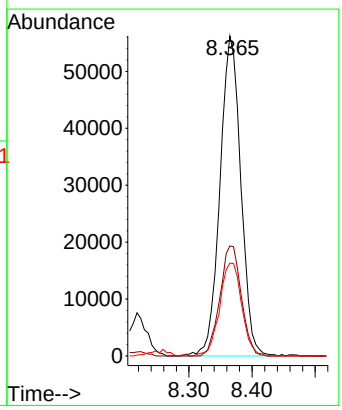


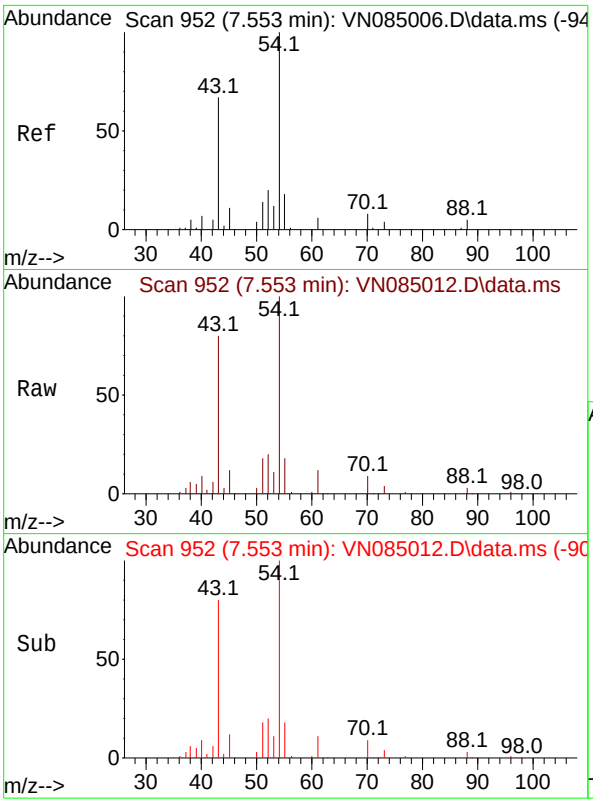


#36
1,1-Dichloropropene
Concen: 48.093 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 75 Resp: 129026

Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.2	51.6
77	30.7	24.2	36.4



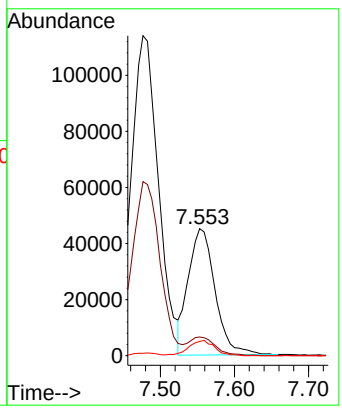


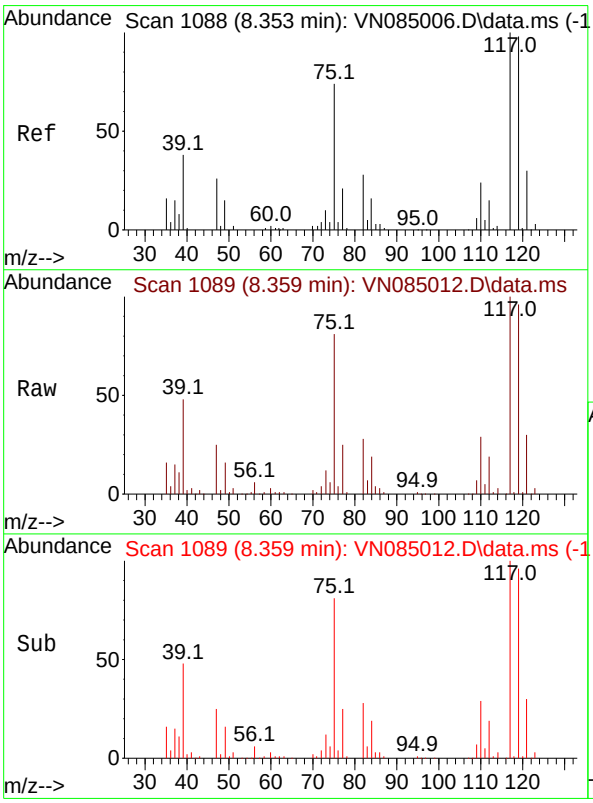
#37
Ethyl Acetate
Concen: 46.651 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 43 Resp: 113781

Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.7	17.5
70	11.5	9.3	13.9

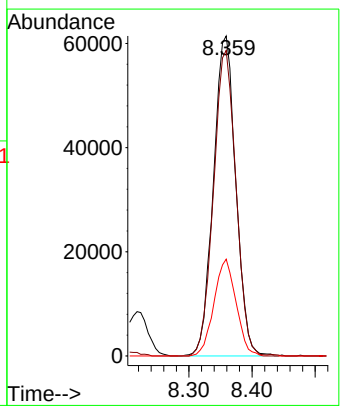


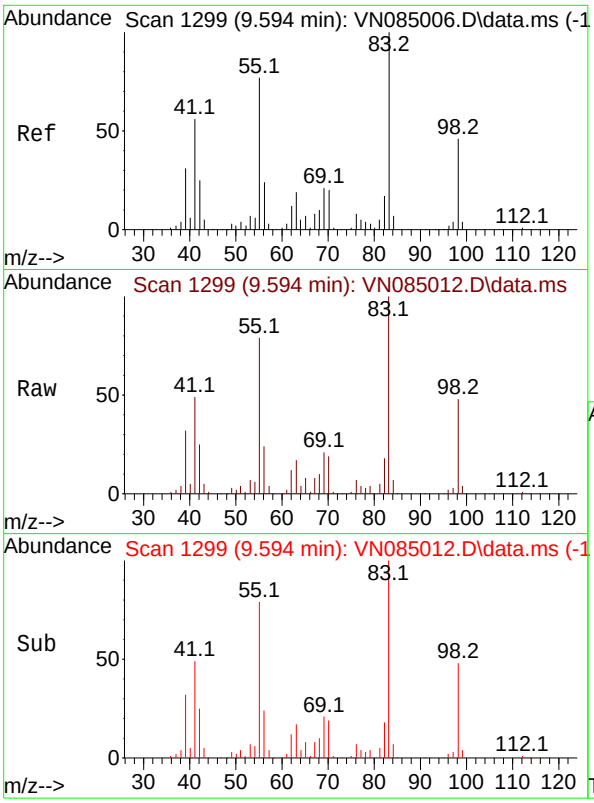


#38
Carbon Tetrachloride
Concen: 48.846 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:117 Resp: 151265

Ion	Ratio	Lower	Upper
117	100		
119	95.5	78.6	117.8
121	30.3	24.2	36.2



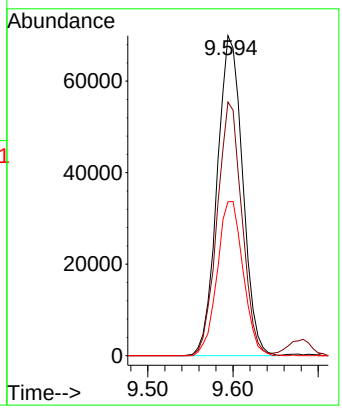


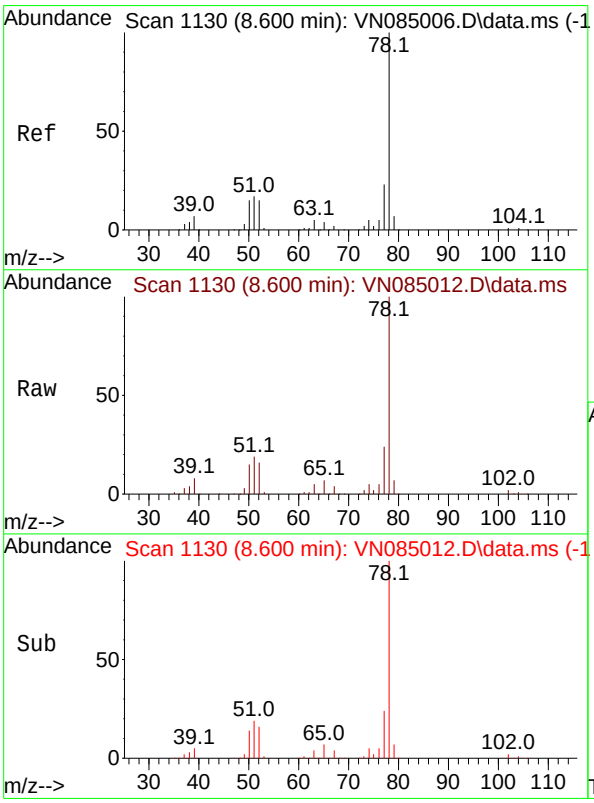
#39
Methylcyclohexane
Concen: 52.114 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 83 Resp: 145286

Ion	Ratio	Lower	Upper
83	100		
55	79.2	61.8	92.6
98	48.1	37.0	55.6

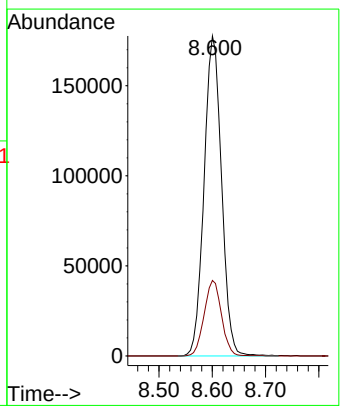


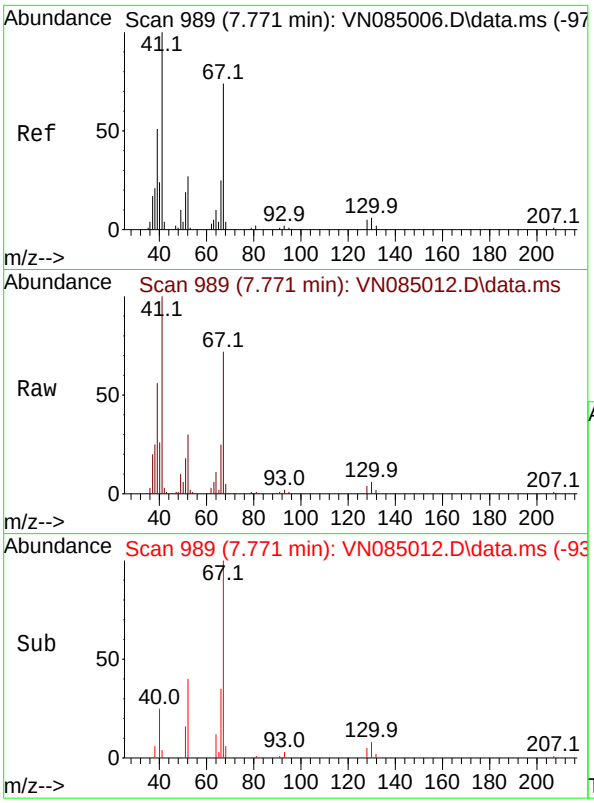


#40
Benzene
Concen: 47.675 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 78 Resp: 404536

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.5	27.7



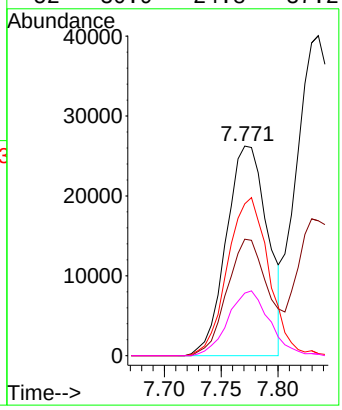


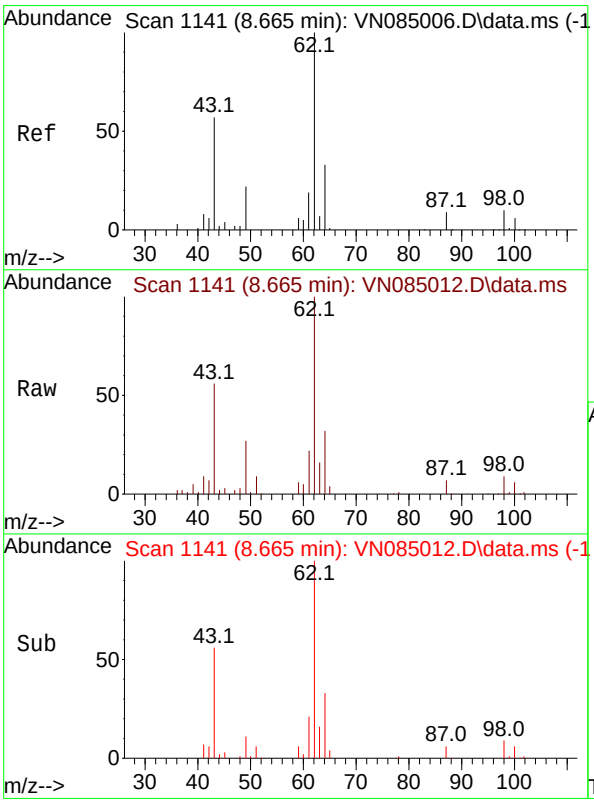
#41
Methacrylonitrile
Concen: 49.311 ug/l
RT: 7.771 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 41 Resp: 66590

Ion	Ratio	Lower	Upper
41	100		
39	56.6	42.6	63.8
67	75.5	59.9	89.9
52	30.9	24.8	37.2

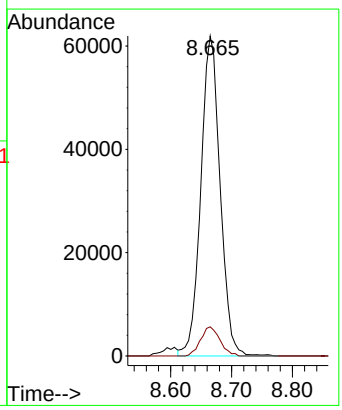


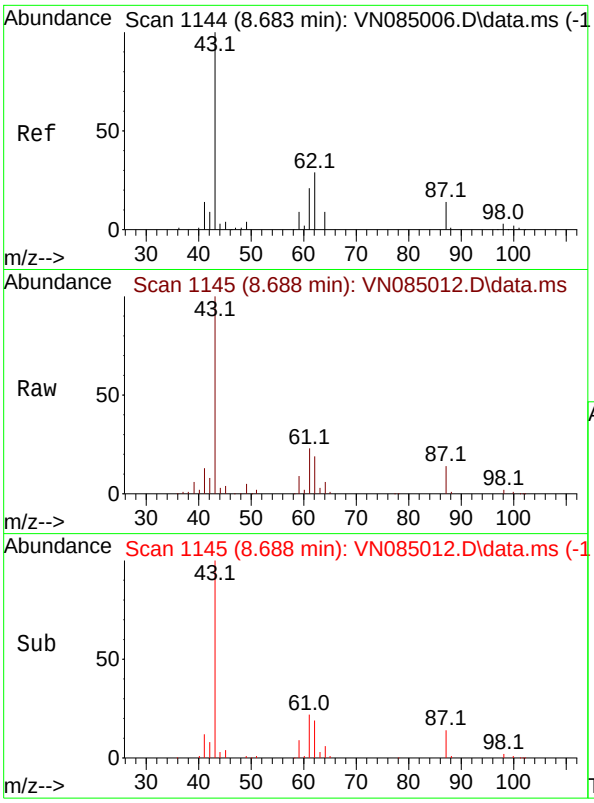


#42
1,2-Dichloroethane
Concen: 47.025 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 62 Resp: 136508

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2



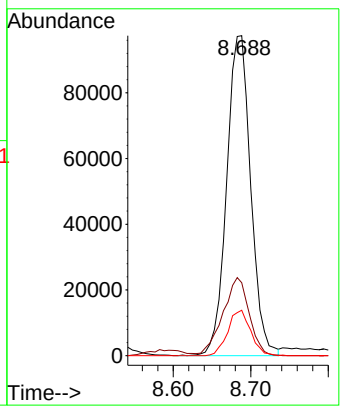


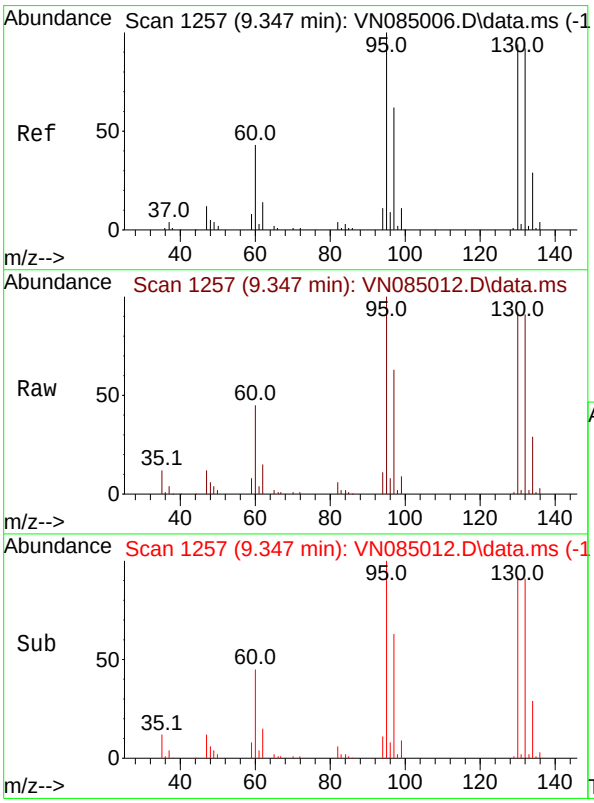
#43
Isopropyl Acetate
Concen: 41.574 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 43 Resp: 210623

Ion	Ratio	Lower	Upper
43	100		
61	26.7	20.6	30.8
87	13.5	11.0	16.4

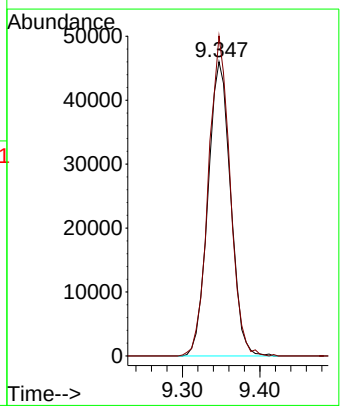


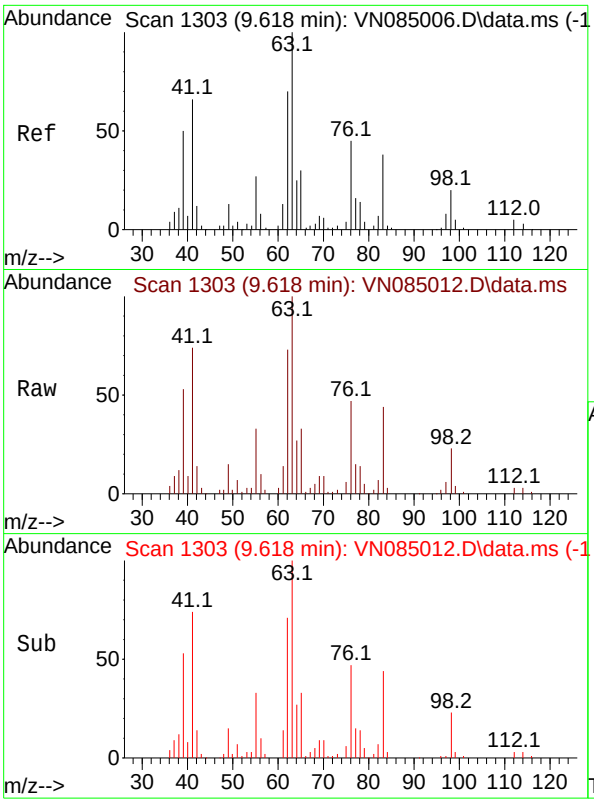


#44
Trichloroethene
Concen: 47.205 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:130 Resp: 93086

Ion	Ratio	Lower	Upper
130	100		
95	108.7	0.0	213.4



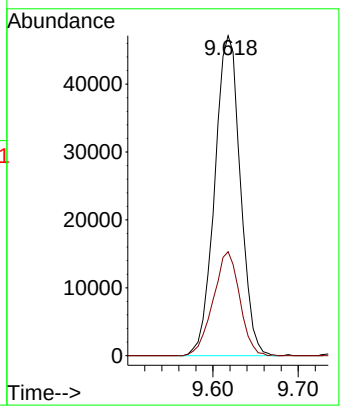


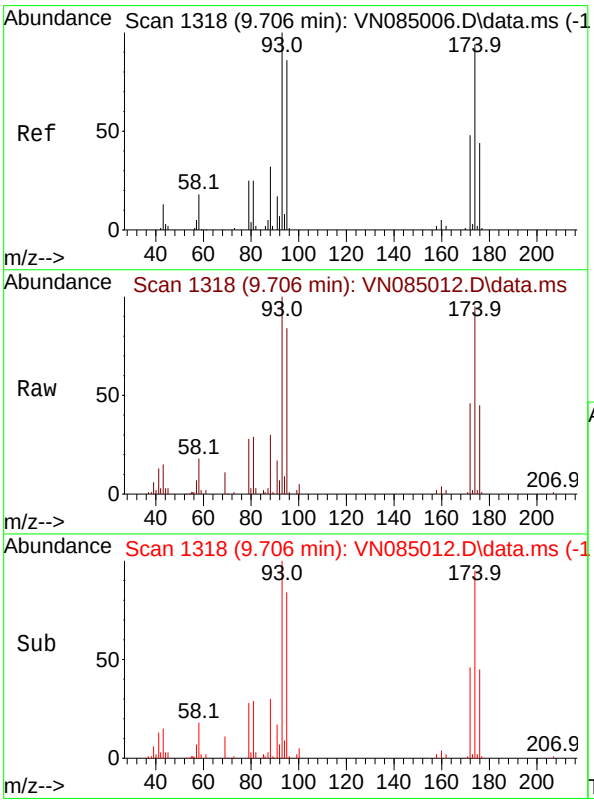
#45
1,2-Dichloropropane
Concen: 47.073 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 63 Resp: 98380

Ion	Ratio	Lower	Upper
63	100		
65	32.5	24.0	36.0

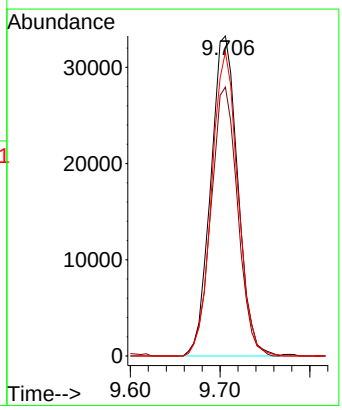


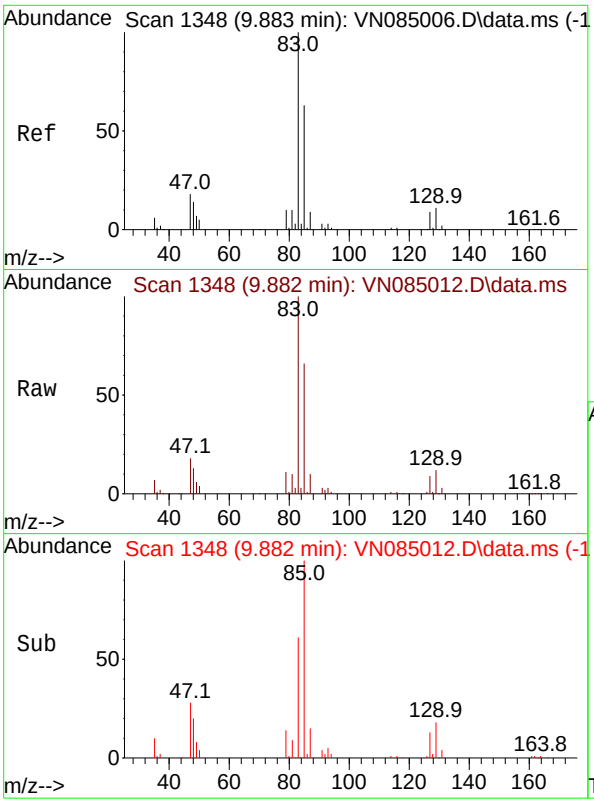


#46
Dibromomethane
Concen: 47.909 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 93 Resp: 69575

Ion	Ratio	Lower	Upper
93	100		
95	82.9	66.2	99.4
174	91.9	74.9	112.3



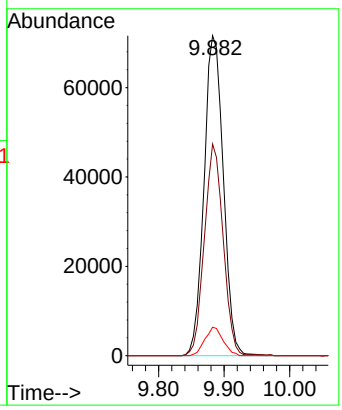


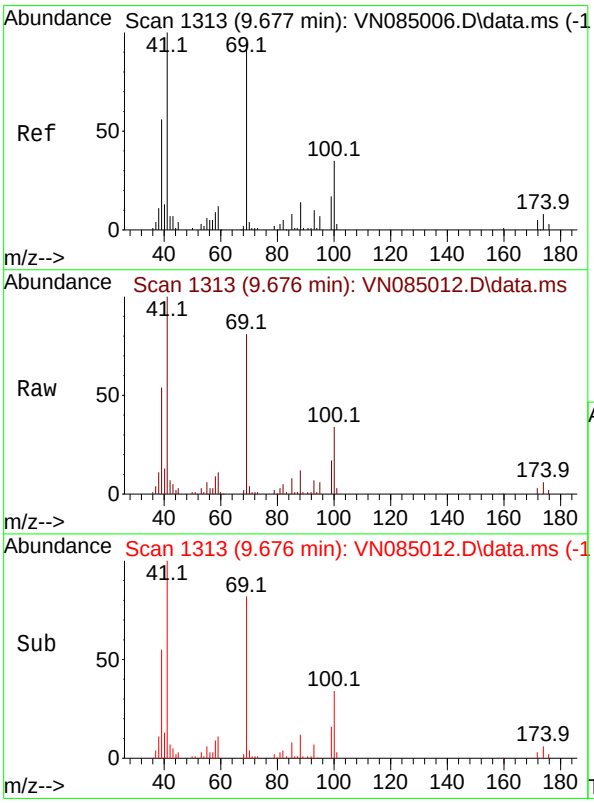
#47
Bromodichloromethane
Concen: 47.631 ug/l
RT: 9.882 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 83 Resp: 146603

Ion	Ratio	Lower	Upper
83	100		
85	66.2	50.5	75.7
127	8.9	7.1	10.7

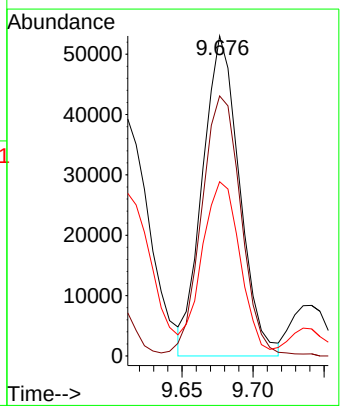


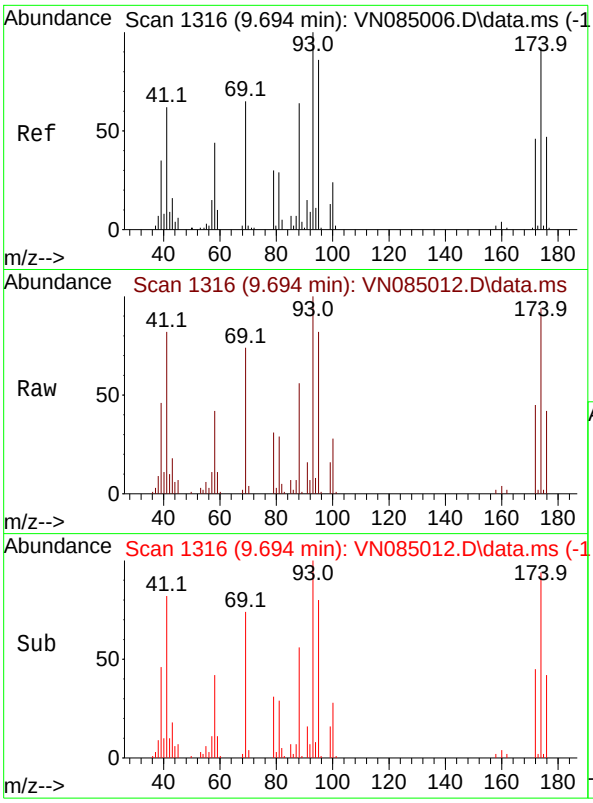


#48
Methyl methacrylate
Concen: 50.900 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 41 Resp: 95959

Ion	Ratio	Lower	Upper
41	100		
69	86.9	73.2	109.8
39	57.0	46.2	69.4



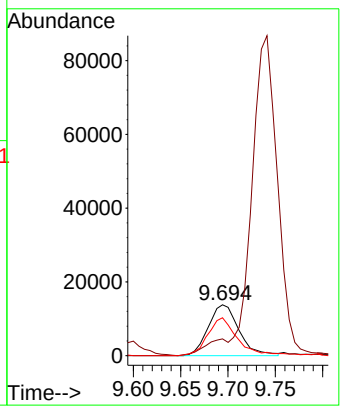


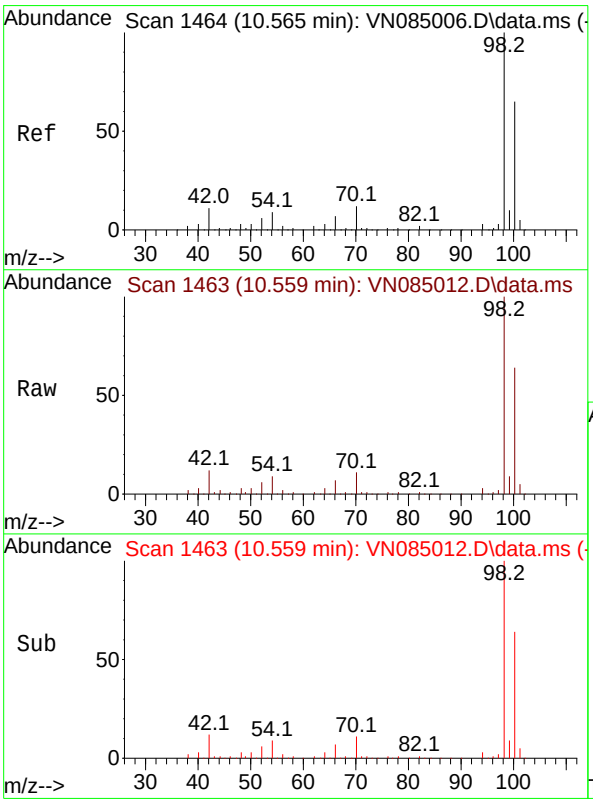
#49
1,4-Dioxane
Concen: 950.585 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 88 Resp: 31078

Ion	Ratio	Lower	Upper
88	100		
43	0.0	16.7	25.1#
58	73.0	56.5	84.7

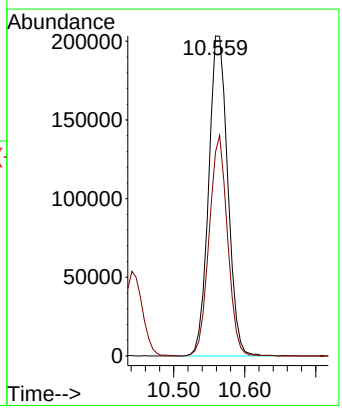


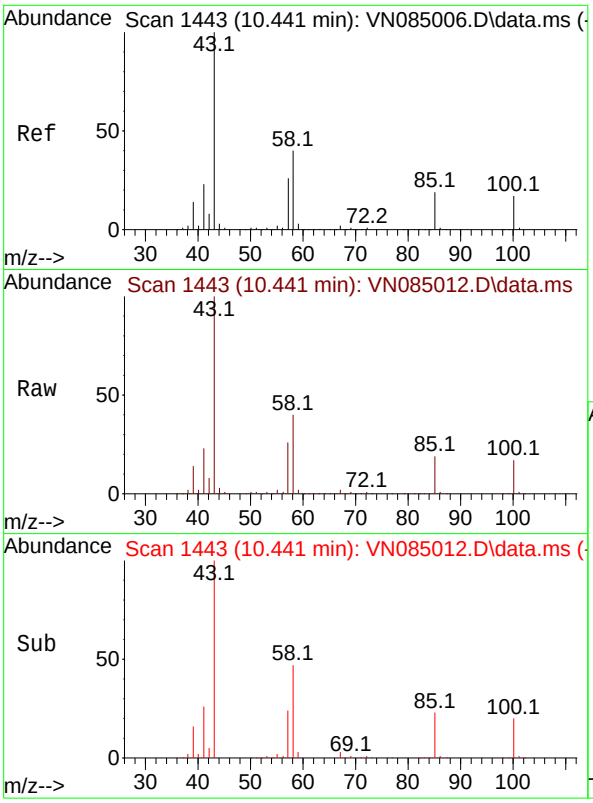


#50
Toluene-d8
Concen: 53.488 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 98 Resp: 379679

Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.5	78.7



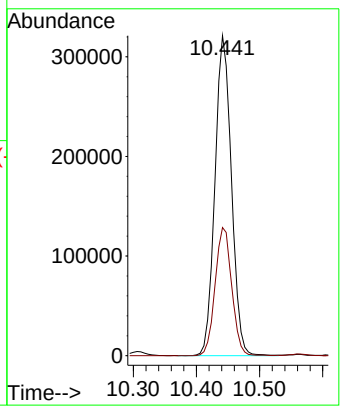


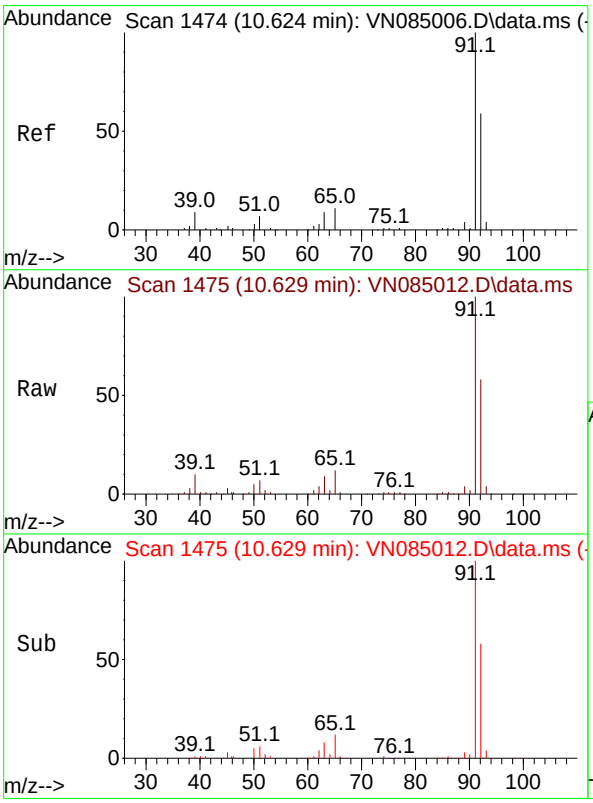
#51
4-Methyl-2-Pentanone
Concen: 251.720 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 43 Resp: 582480

Ion	Ratio	Lower	Upper
43	100		
58	40.4	32.1	48.1

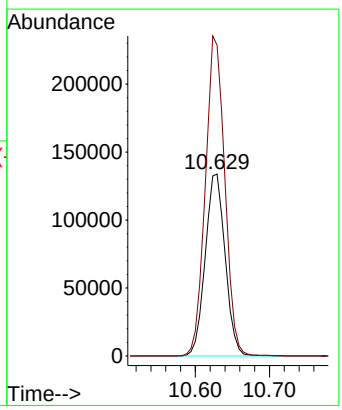


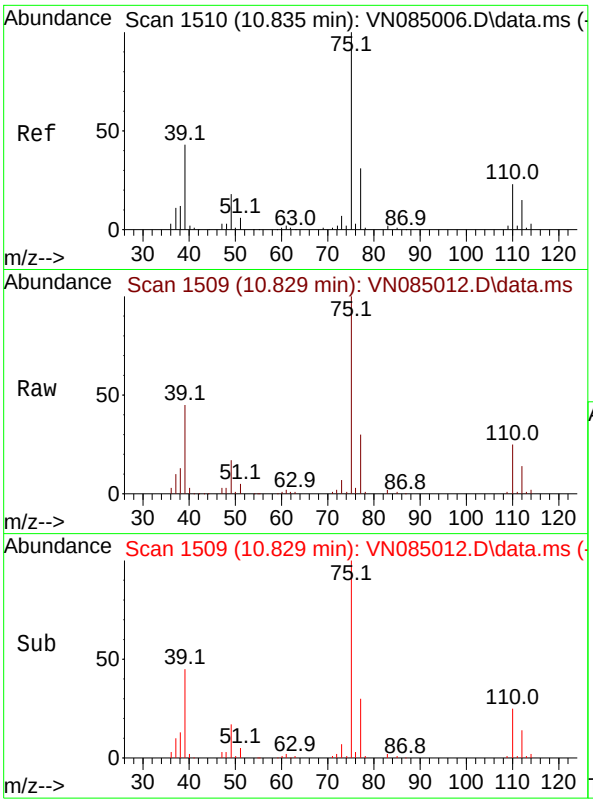


#52
Toluene
Concen: 49.682 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 92 Resp: 249568

Ion	Ratio	Lower	Upper
92	100		
91	171.9	136.7	205.1



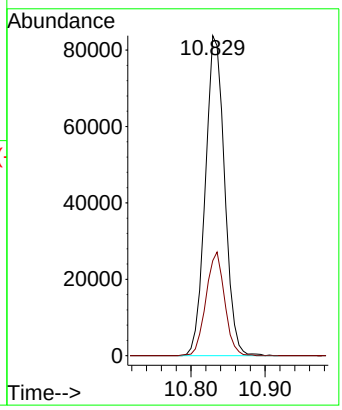


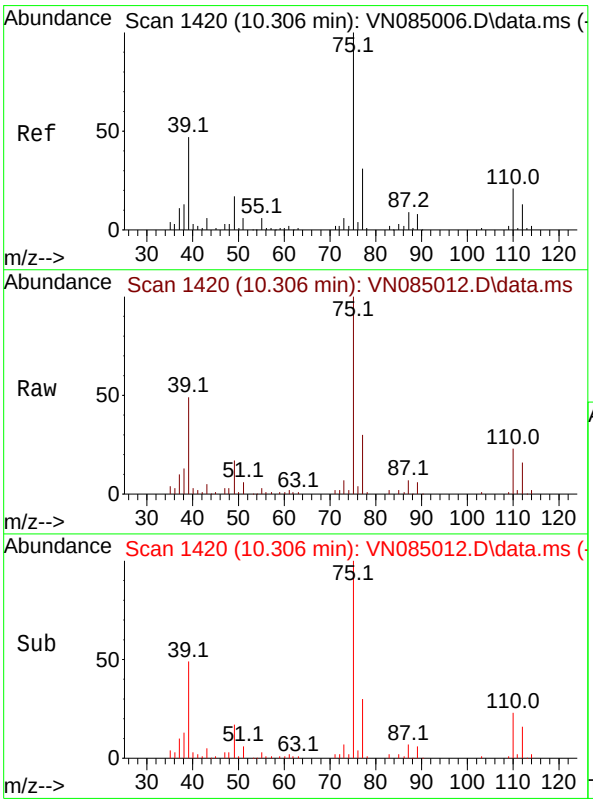
#53
t-1,3-Dichloropropene
Concen: 48.881 ug/l
RT: 10.829 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 75 Resp: 150836

Ion	Ratio	Lower	Upper
75	100		
77	29.7	25.0	37.4

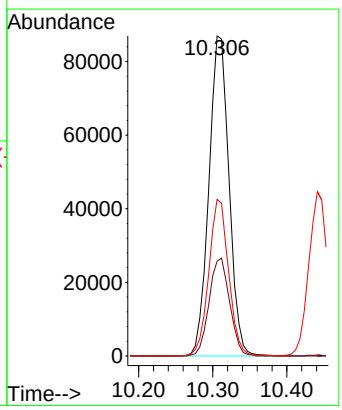


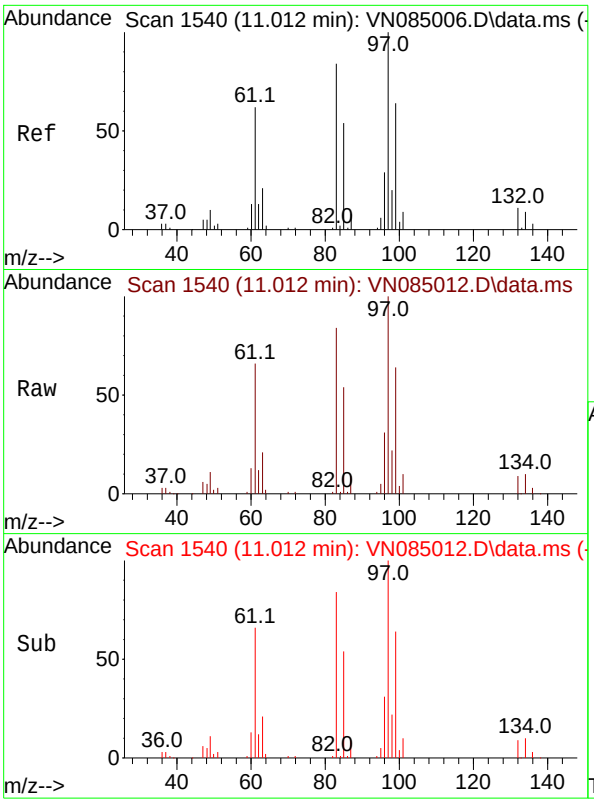


#54
cis-1,3-Dichloropropene
Concen: 50.100 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 75 Resp: 164009

Ion	Ratio	Lower	Upper
75	100		
77	29.6	25.0	37.4
39	48.9	37.6	56.4



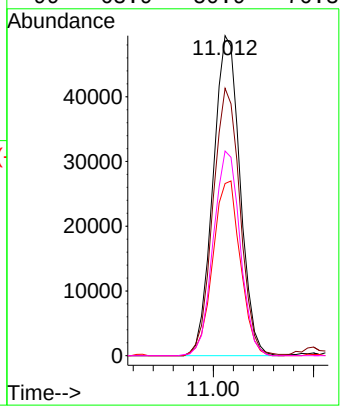


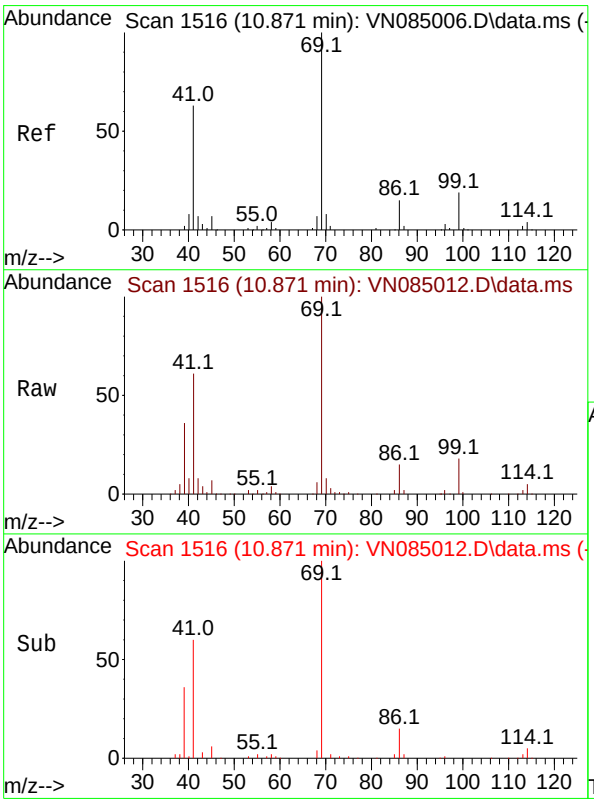
#55
1,1,2-Trichloroethane
Concen: 49.287 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 97 Resp: 92219

Ion	Ratio	Lower	Upper
97	100		
83	83.5	67.4	101.2
85	53.8	43.1	64.7
99	63.9	50.9	76.3

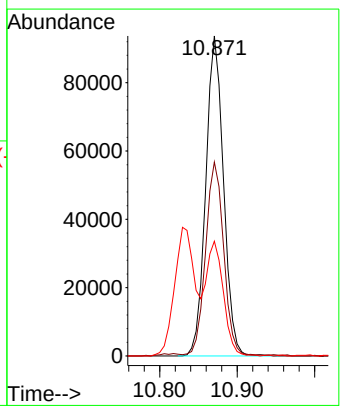


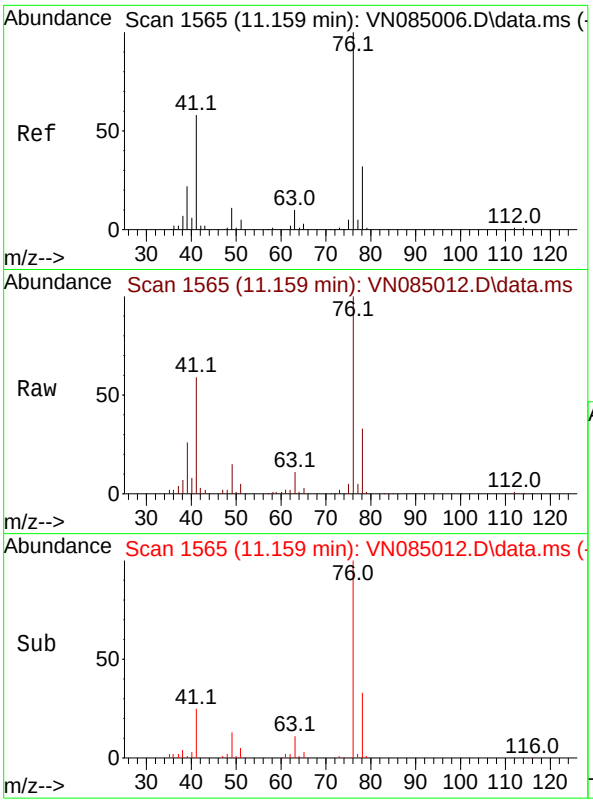


#56
Ethyl methacrylate
Concen: 54.694 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 69 Resp: 149537

Ion	Ratio	Lower	Upper
69	100		
41	61.1	50.0	75.0
39	34.6	27.0	40.6



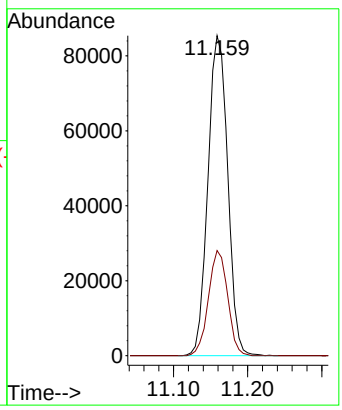


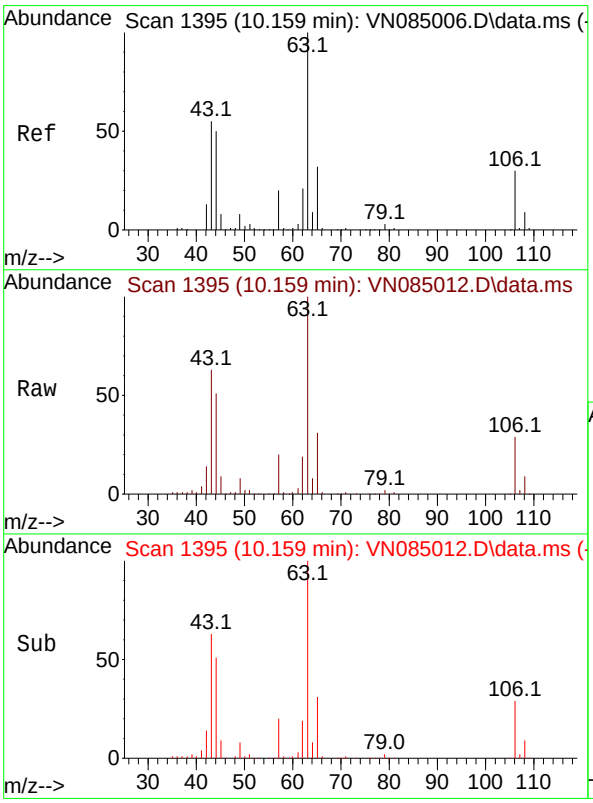
#57
1,3-Dichloropropane
Concen: 47.980 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 76 Resp: 158000

Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.1	39.1

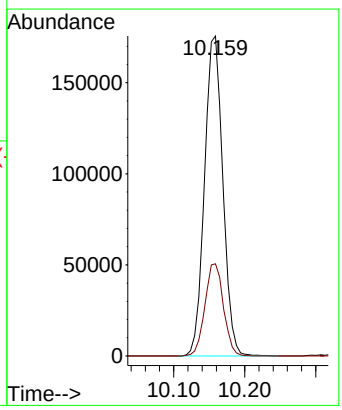


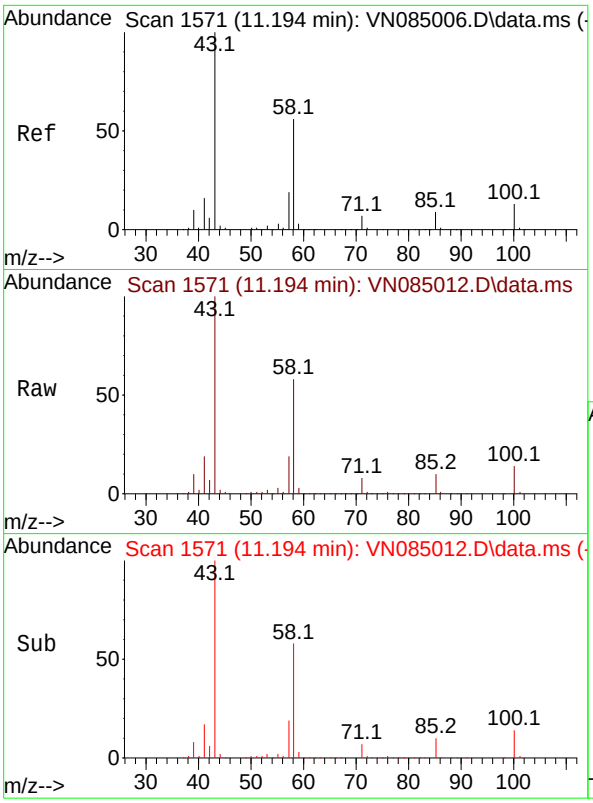


#58
2-Chloroethyl Vinyl ether
Concen: 235.323 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 63 Resp: 315602

Ion	Ratio	Lower	Upper
63	100		
106	29.1	23.0	34.6



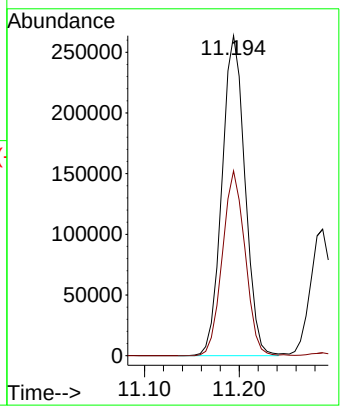


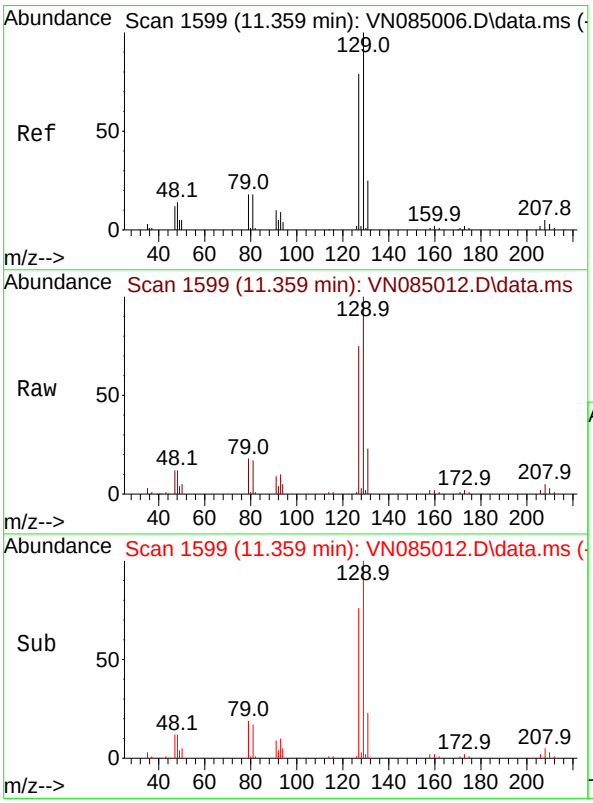
#59
2-Hexanone
Concen: 256.983 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 43 Resp: 444749

Ion	Ratio	Lower	Upper
43	100		
58	56.9	28.3	85.0

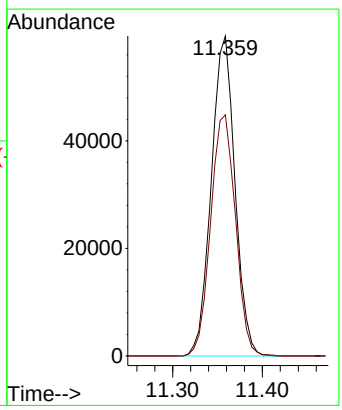


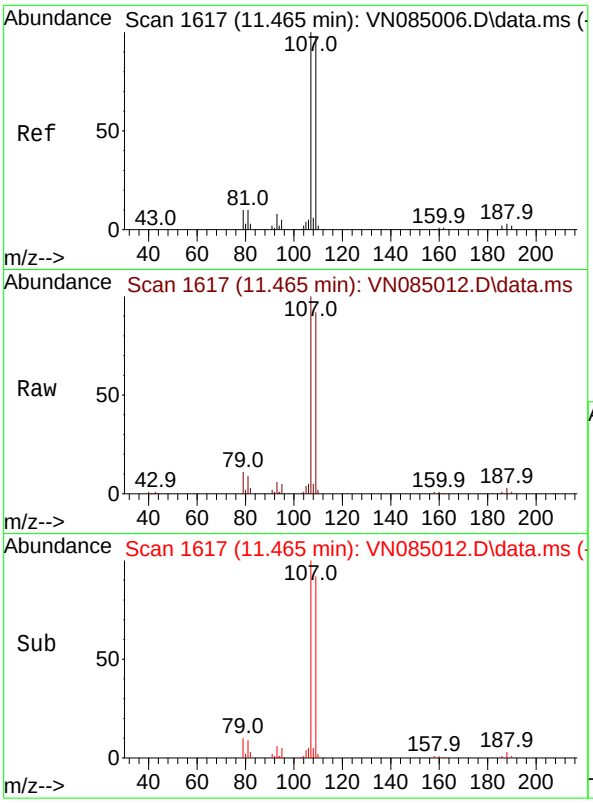


#60
Dibromochloromethane
Concen: 47.650 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:129 Resp: 108961

Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.2	117.6



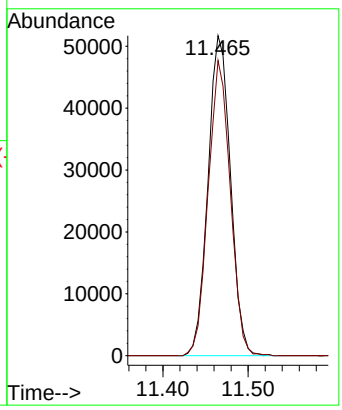


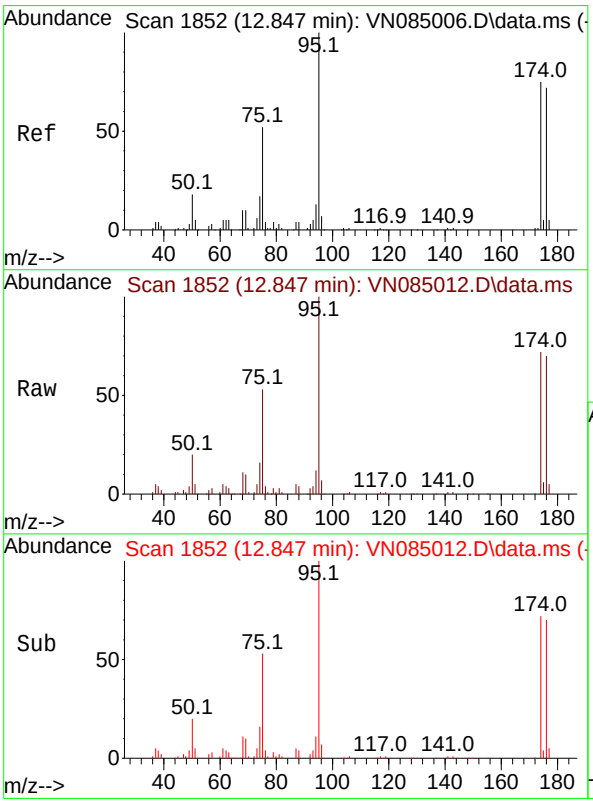
#61
1,2-Dibromoethane
Concen: 48.883 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion:107 Resp: 94657

Ion	Ratio	Lower	Upper
107	100		
109	90.8	76.1	114.1

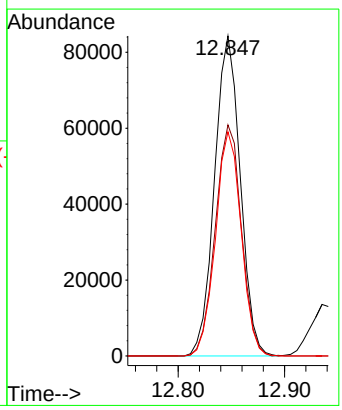


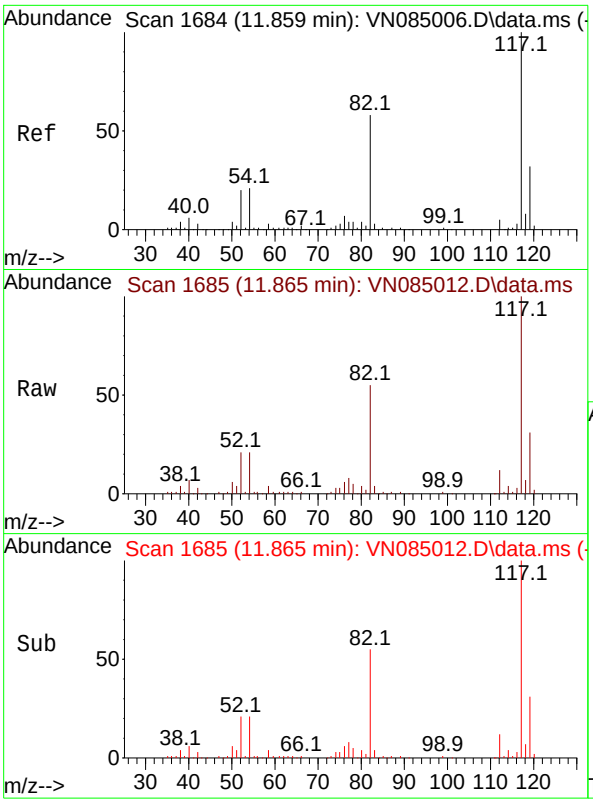


#62
4-Bromofluorobenzene
Concen: 53.276 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 95 Resp: 141423

Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	146.6
176	69.8	0.0	141.8



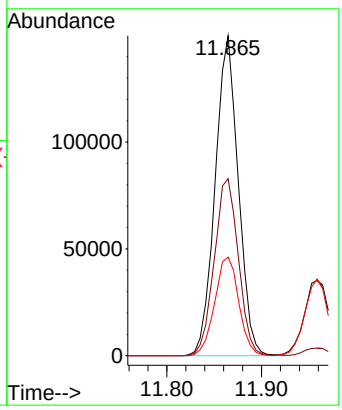


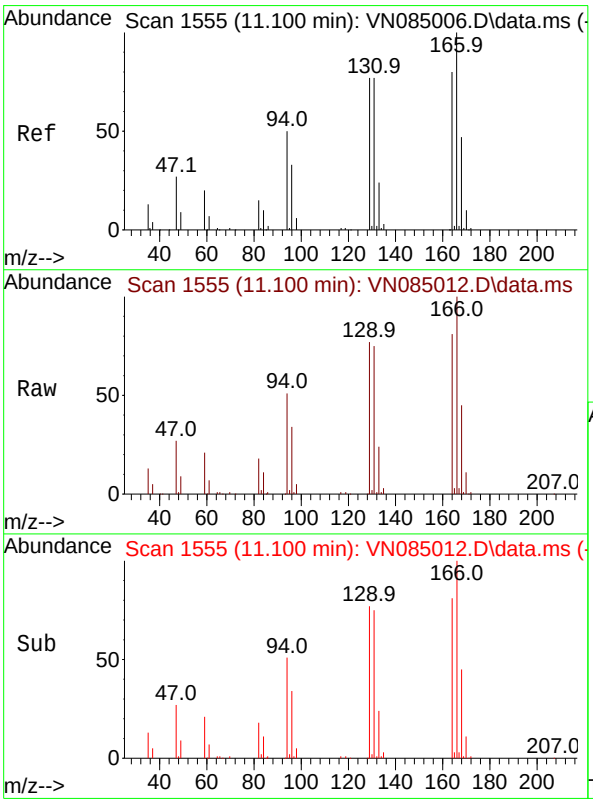
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion:117 Resp: 254182

Ion	Ratio	Lower	Upper
117	100		
82	55.3	46.0	69.0
119	30.8	25.6	38.4

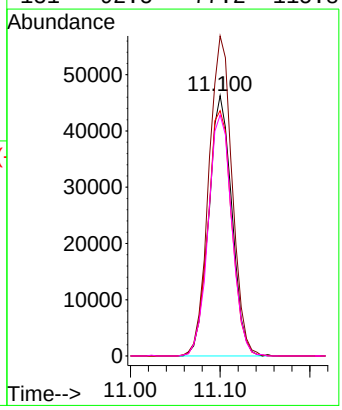


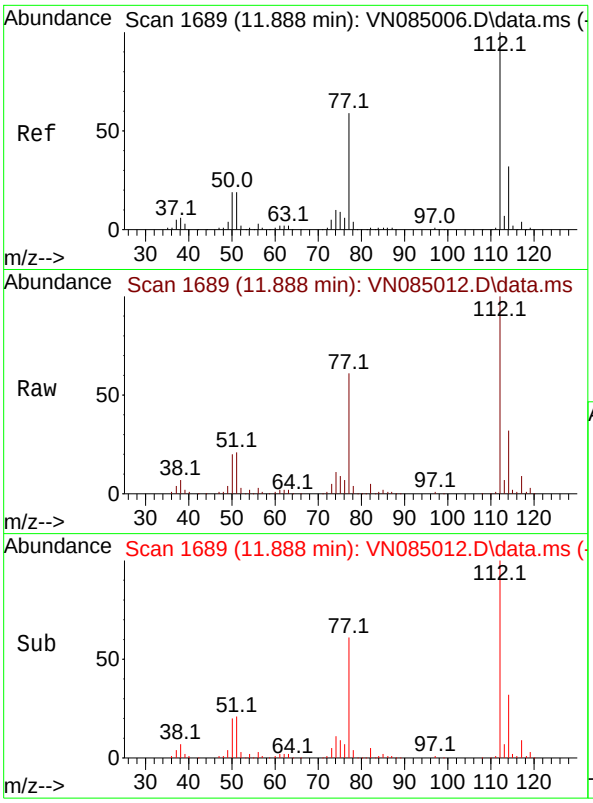


#64
Tetrachloroethene
Concen: 48.316 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:164 Resp: 82753

Ion	Ratio	Lower	Upper
164	100		
166	122.9	100.6	151.0
129	94.2	77.7	116.5
131	92.5	77.2	115.8



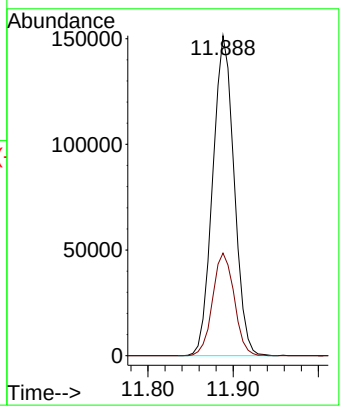


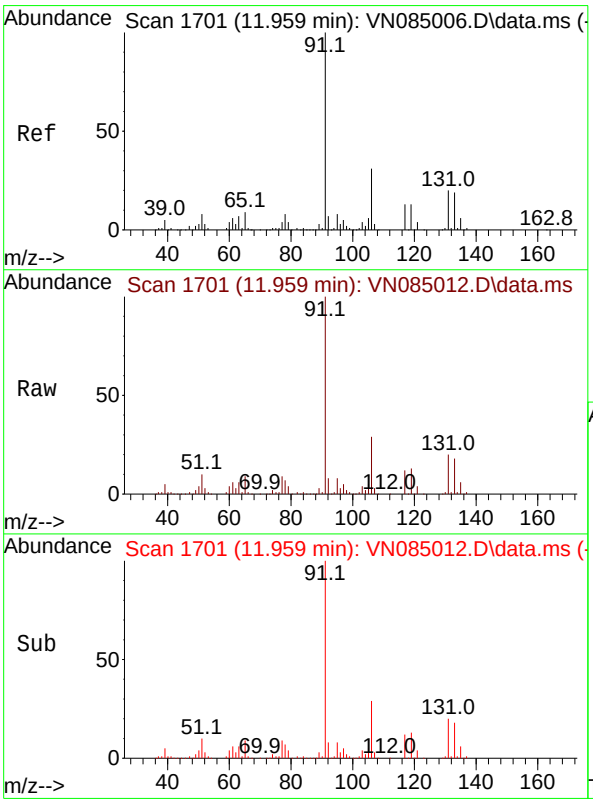
#65
Chlorobenzene
Concen: 45.936 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion:112 Resp: 264798

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.8	38.6

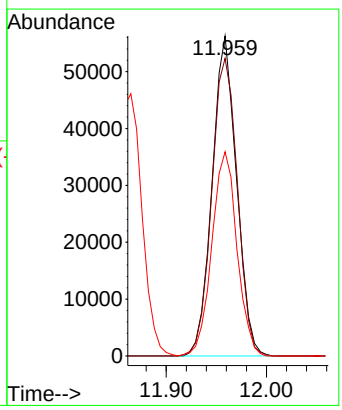


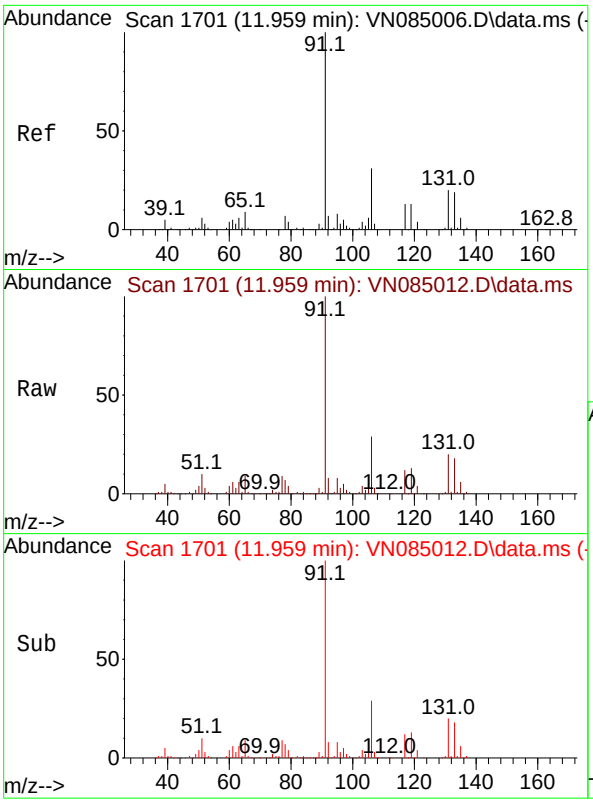


#66
1,1,1,2-Tetrachloroethane
Concen: 46.991 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:131 Resp: 95374

Ion	Ratio	Lower	Upper
131	100		
133	97.7	47.8	143.4
119	65.5	32.1	96.3



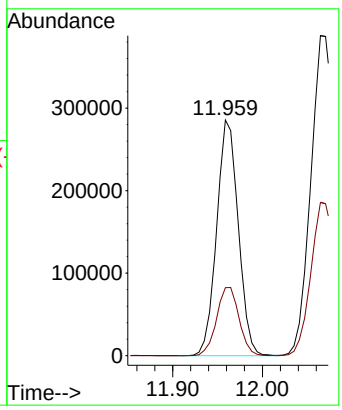


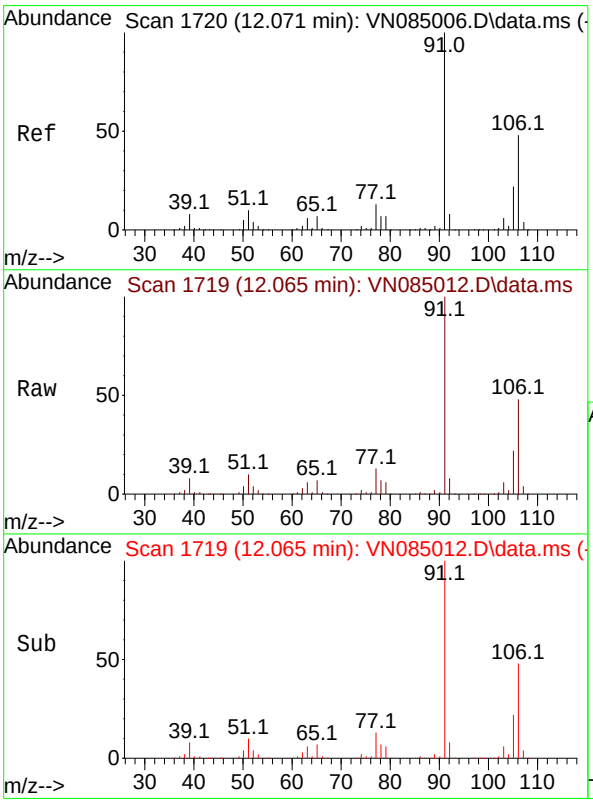
#67
Ethyl Benzene
Concen: 51.046 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 91 Resp: 477400

Ion	Ratio	Lower	Upper
91	100		
106	28.8	24.7	37.1

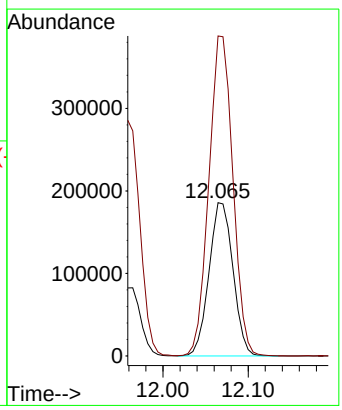


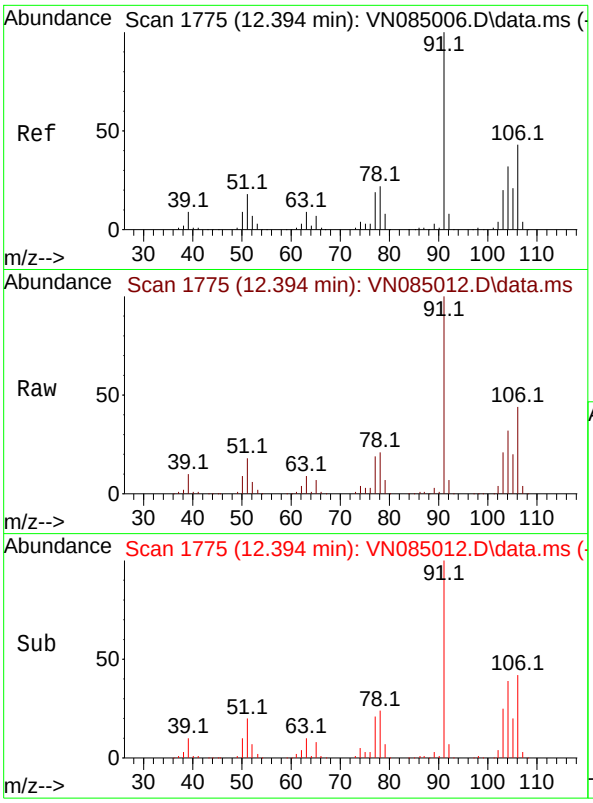


#68
m/p-Xylenes
Concen: 101.951 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:106 Resp: 363006

Ion	Ratio	Lower	Upper
106	100		
91	209.0	168.0	252.0



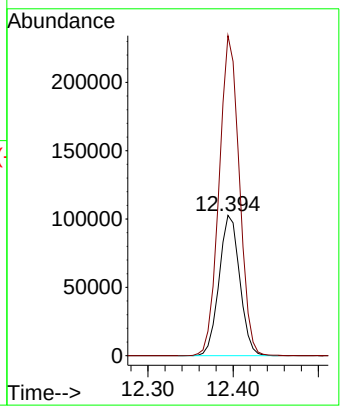


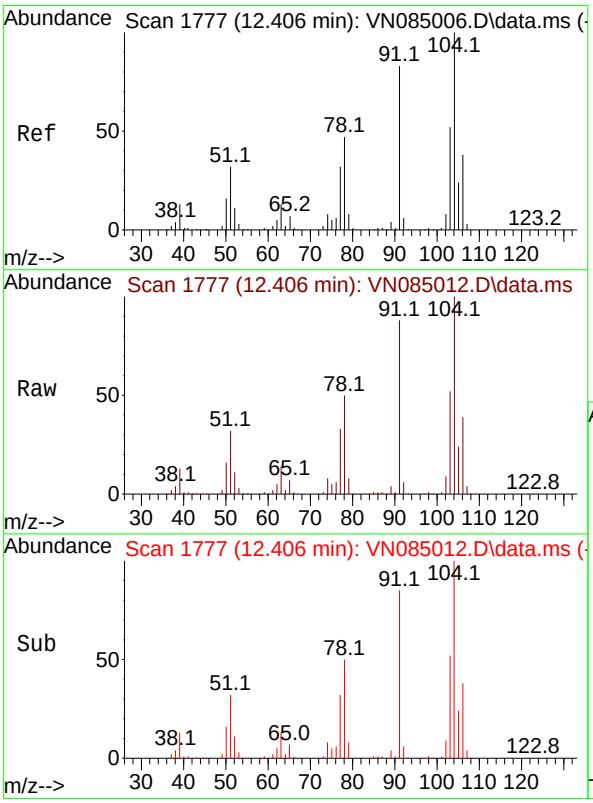
#69
o-Xylene
Concen: 51.086 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion:106 Resp: 173028

Ion	Ratio	Lower	Upper
106	100		
91	223.8	110.7	331.9

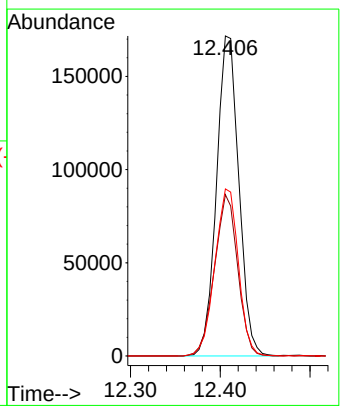


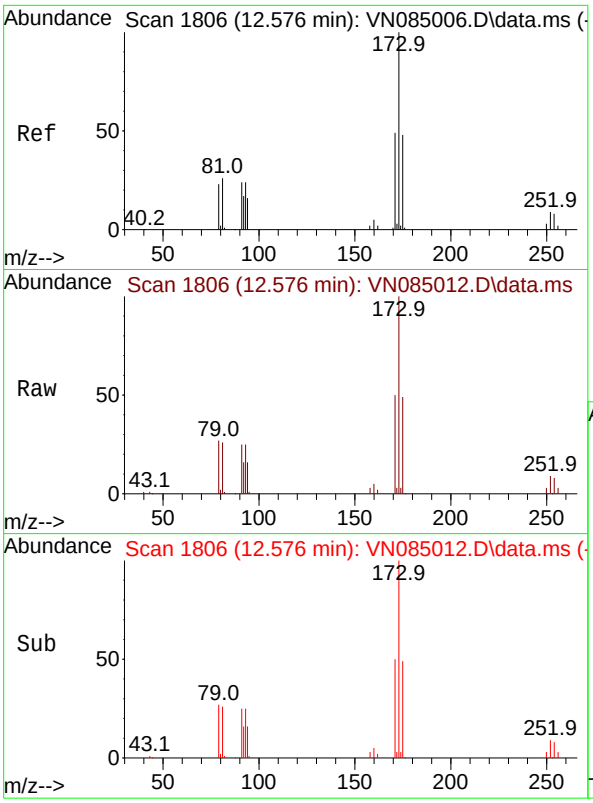


#70
Styrene
Concen: 52.687 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:104 Resp: 296759

Ion	Ratio	Lower	Upper
104	100		
78	52.3	42.3	63.5
103	55.0	44.2	66.2



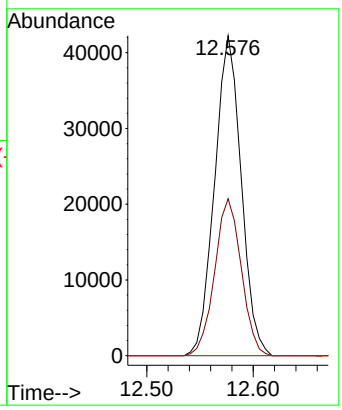


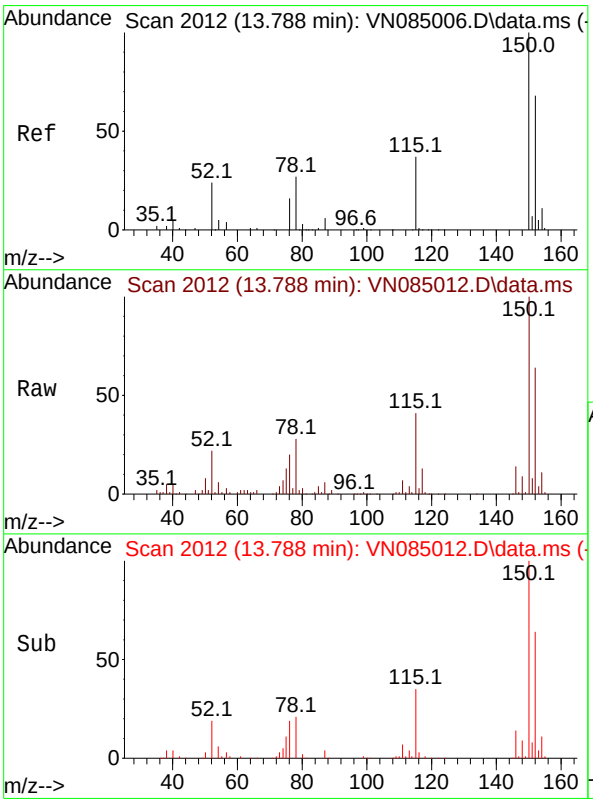
#71
Bromoform
Concen: 48.617 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion:173 Resp: 73244

Ion	Ratio	Lower	Upper
173	100		
175	49.0	23.8	71.2
254	0.0	0.0	0.0

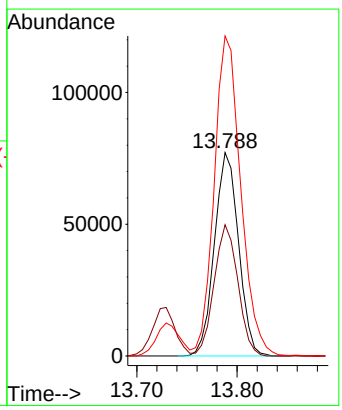


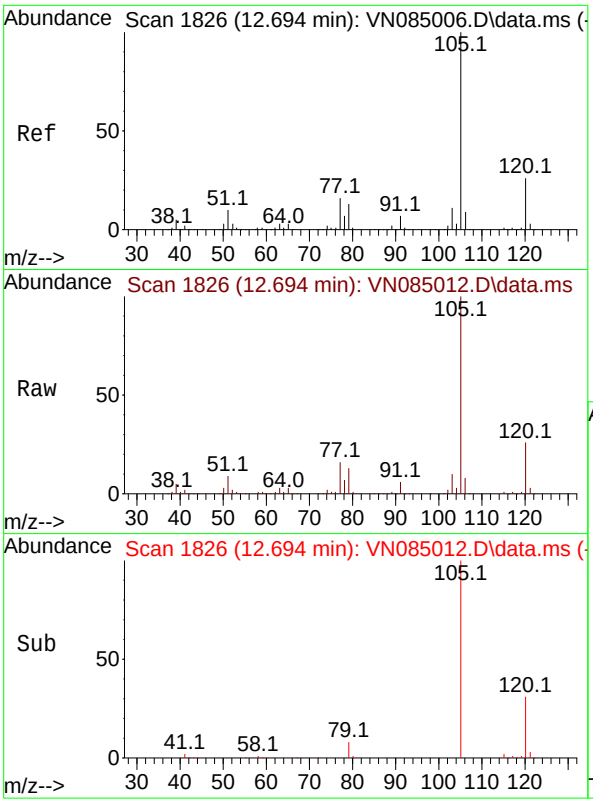


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:152 Resp: 128770

Ion	Ratio	Lower	Upper
152	100		
115	63.6	31.7	95.1
150	173.6	0.0	351.4



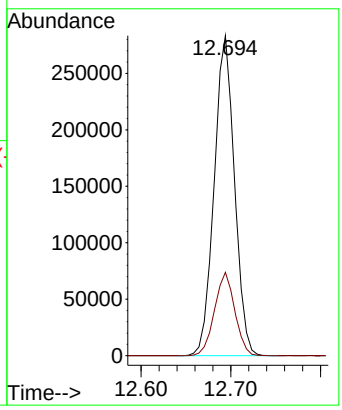


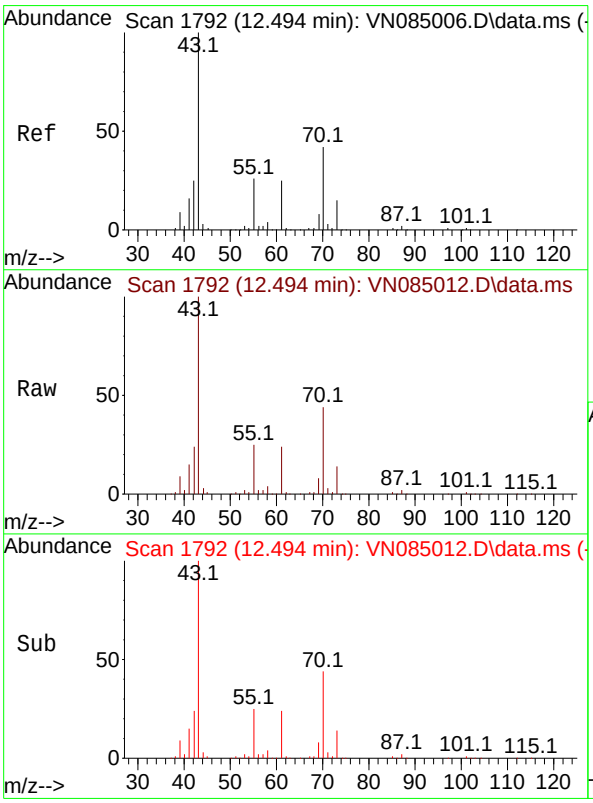
#73
Isopropylbenzene
Concen: 49.014 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion:105 Resp: 445261

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	39.0

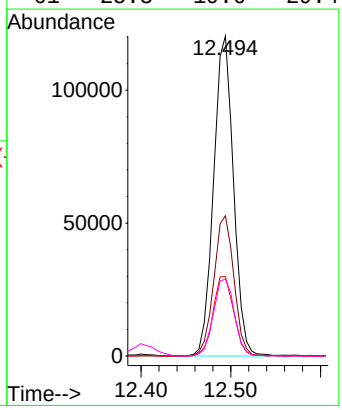


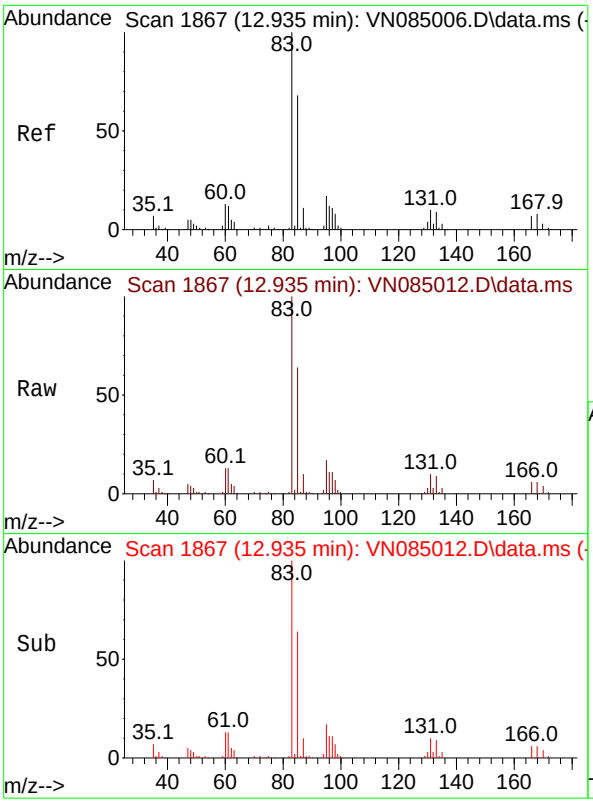


#74
N-amyl acetate
Concen: 49.418 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 43 Resp: 184990

Ion	Ratio	Lower	Upper
43	100		
70	44.4	34.6	51.8
55	25.8	20.5	30.7
61	25.3	19.6	29.4



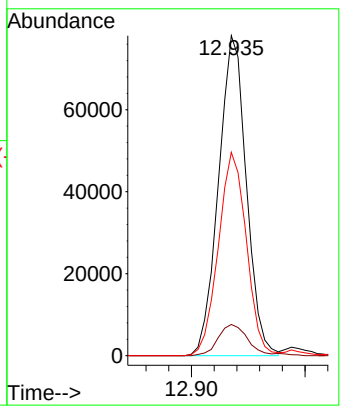


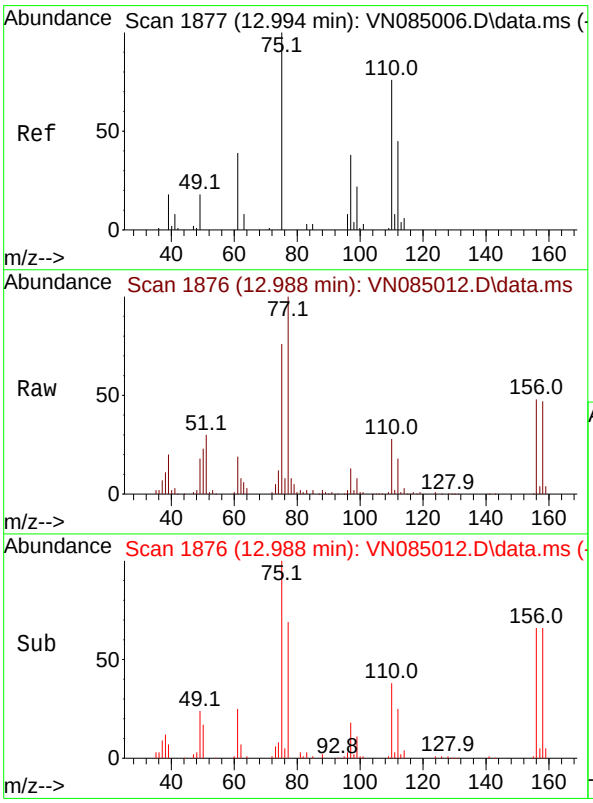
#75
1,1,2,2-Tetrachloroethane
Concen: 42.796 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 83 Resp: 132755

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.4
85	64.0	32.1	96.3

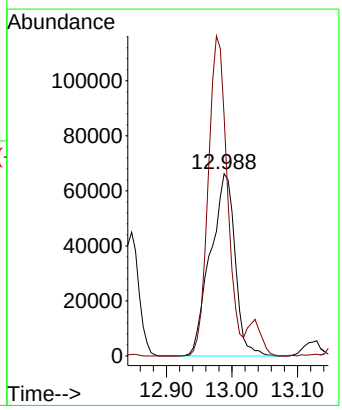


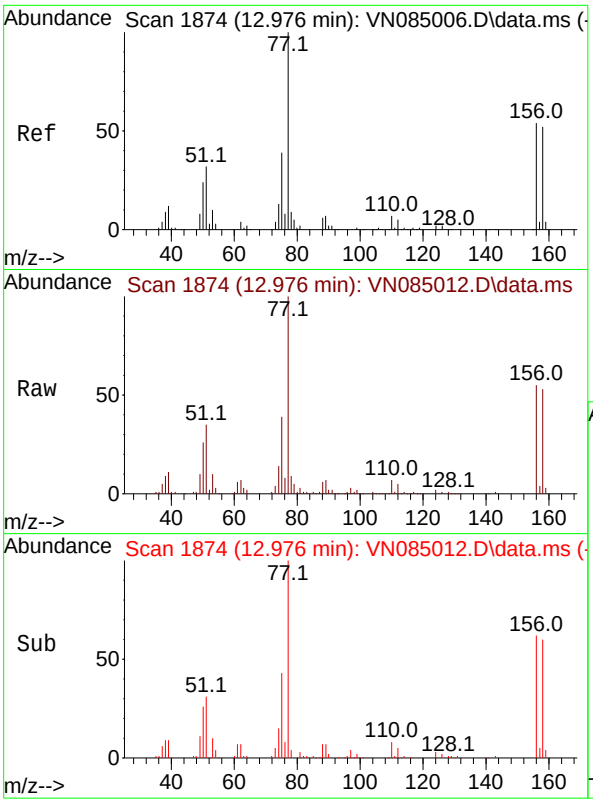


#76
1,2,3-Trichloropropane
Concen: 73.722 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 75 Resp: 172673

Ion	Ratio	Lower	Upper
75	100		
77	135.8	109.1	327.4



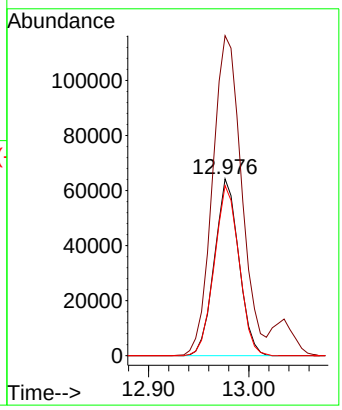


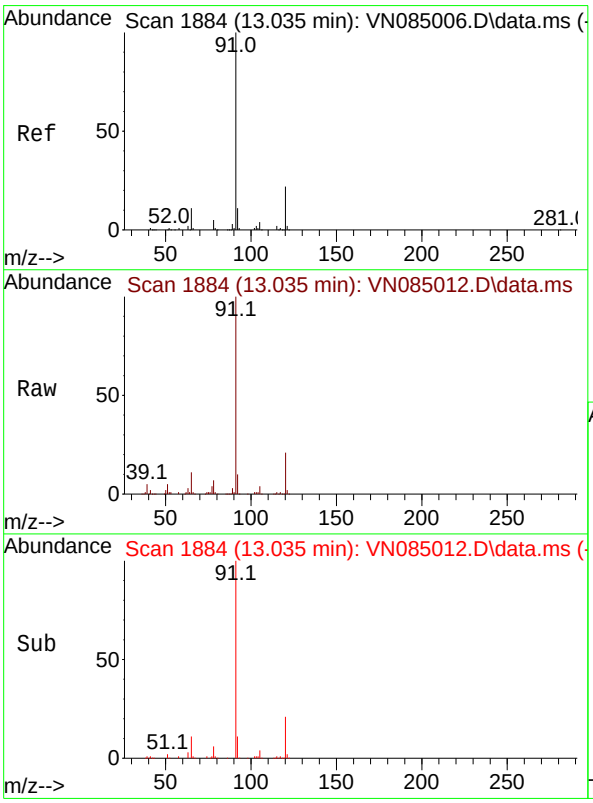
#77
Bromobenzene
Concen: 44.410 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion:156 Resp: 108566

Ion	Ratio	Lower	Upper
156	100		
77	216.1	107.2	321.6
158	97.6	48.5	145.6

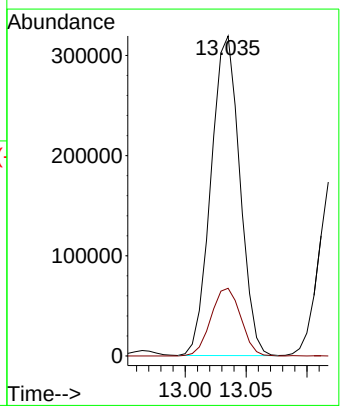


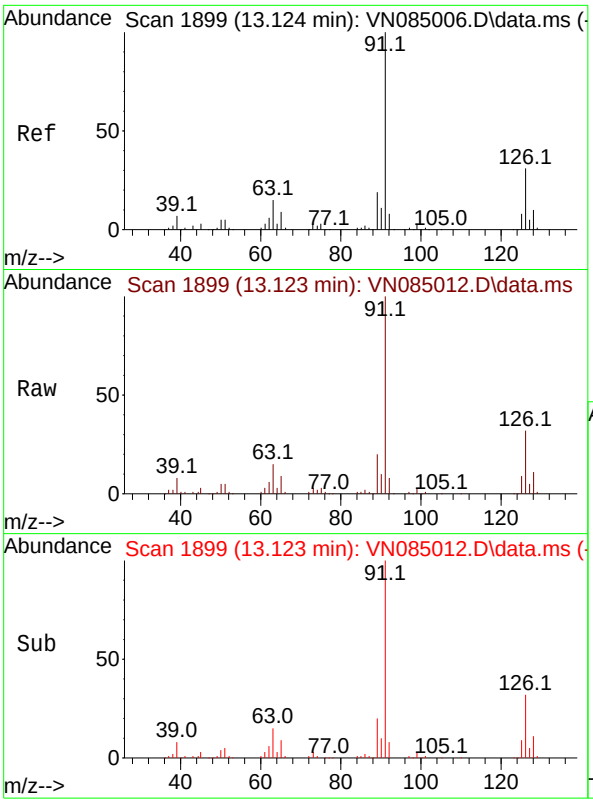


#78
n-propylbenzene
Concen: 50.160 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 91 Resp: 525567

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.3	33.9



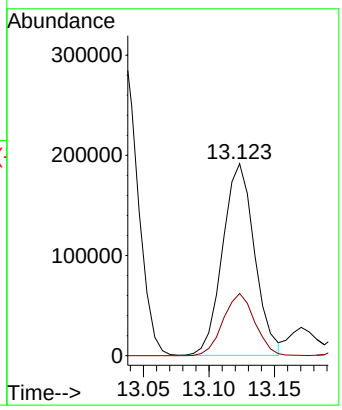


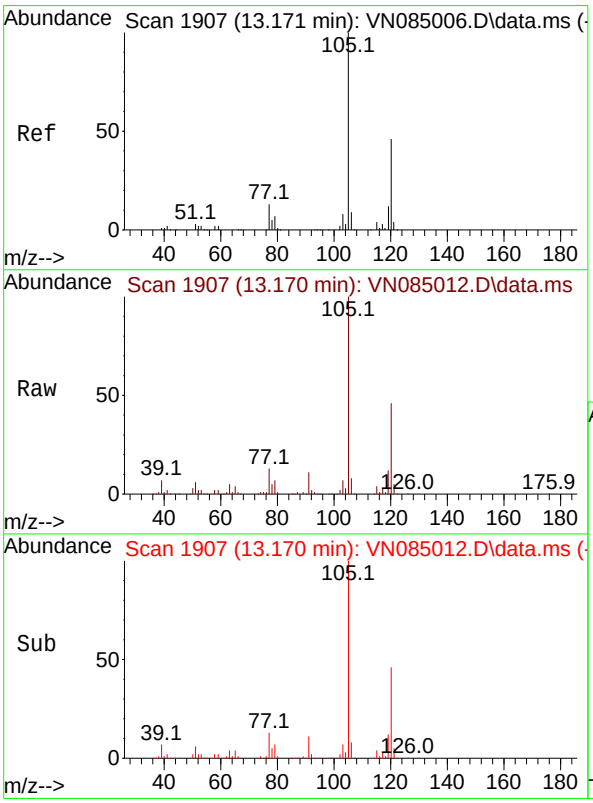
#79
2-Chlorotoluene
Concen: 46.409 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 91 Resp: 324611

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.3

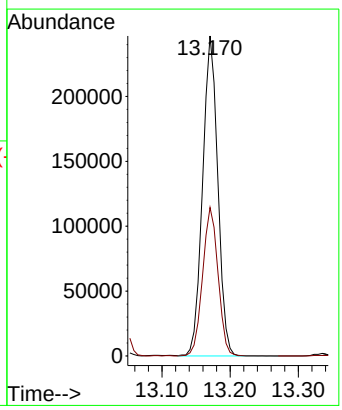


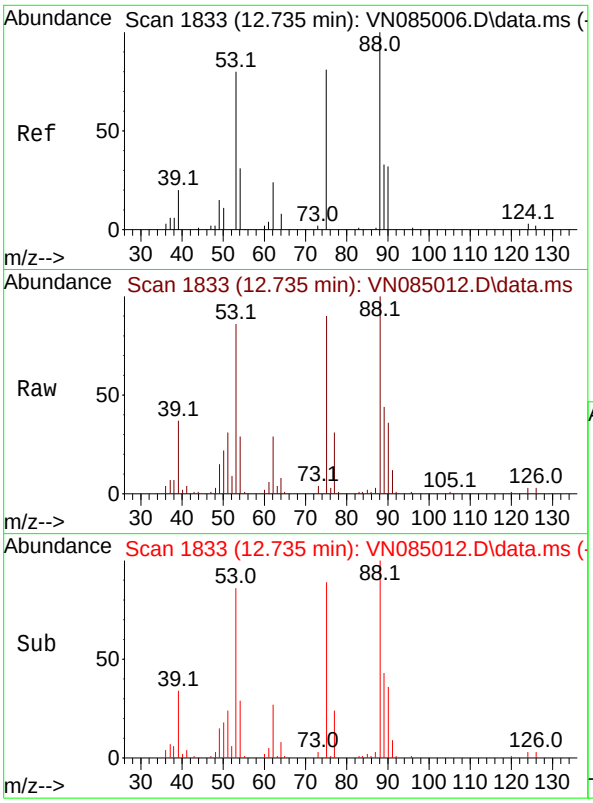


#80
1,3,5-Trimethylbenzene
Concen: 50.220 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:105 Resp: 382819

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.6	71.0



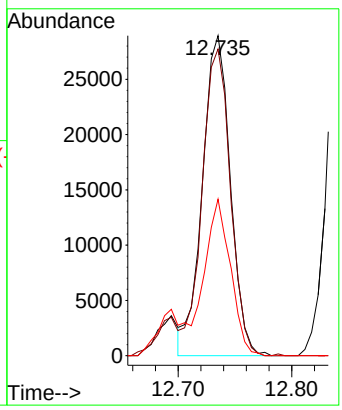


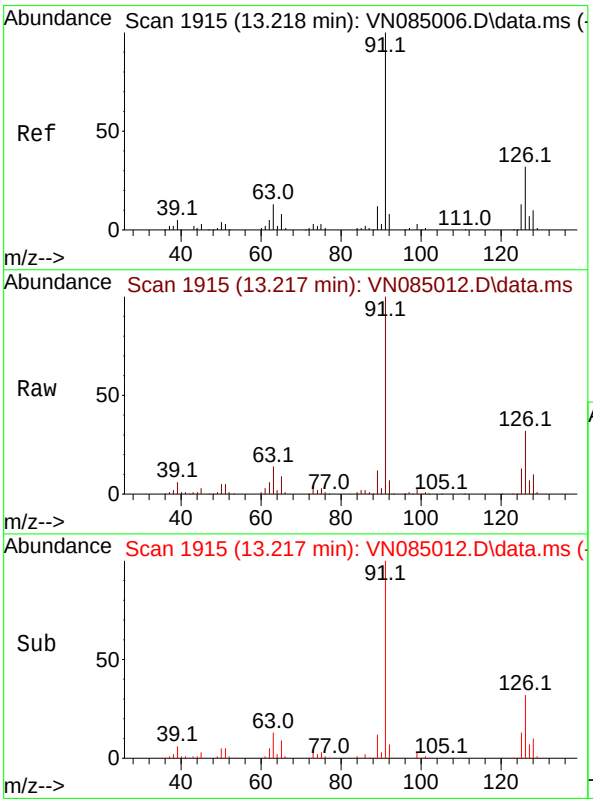
#81
trans-1,4-Dichloro-2-butene
Concen: 46.764 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 75 Resp: 49617

Ion	Ratio	Lower	Upper
75	100		
53	96.8	78.2	117.4
89	44.2	37.9	56.9

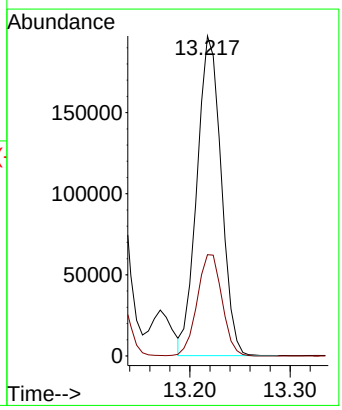


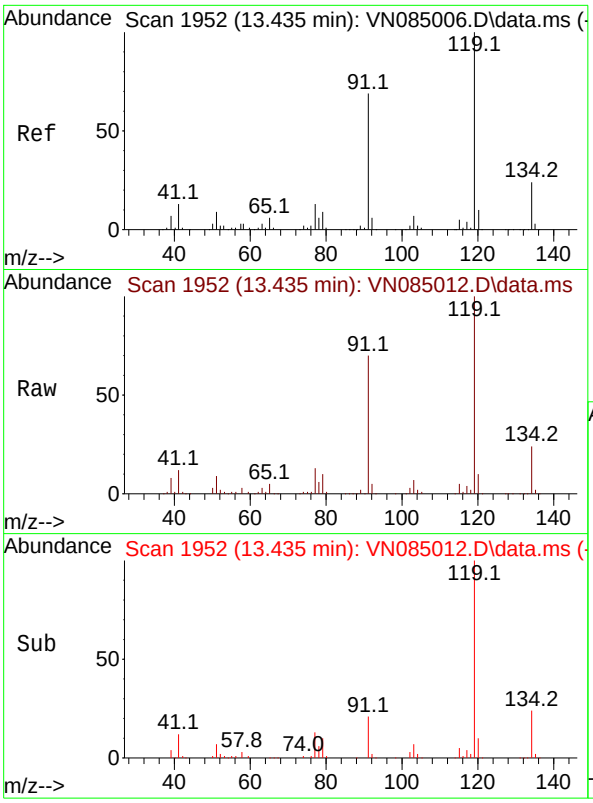


#82
4-Chlorotoluene
Concen: 45.496 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 91 Resp: 331271

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3



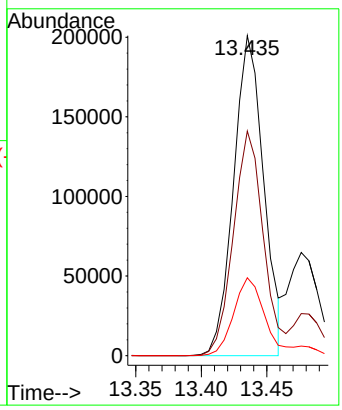


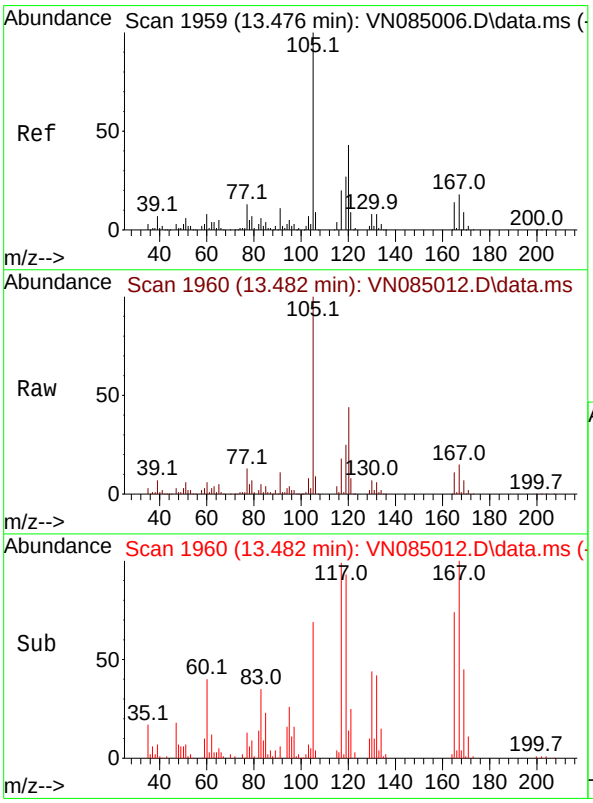
#83
tert-Butylbenzene
Concen: 48.939 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion:119 Resp: 320979

Ion	Ratio	Lower	Upper
119	100		
91	70.2	35.1	105.5
134	27.2	12.1	36.3

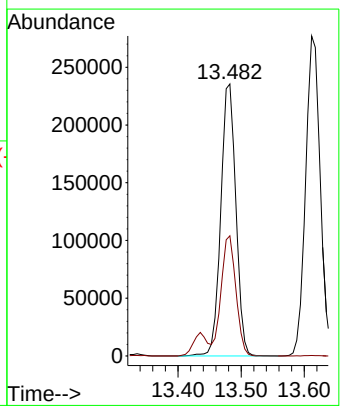


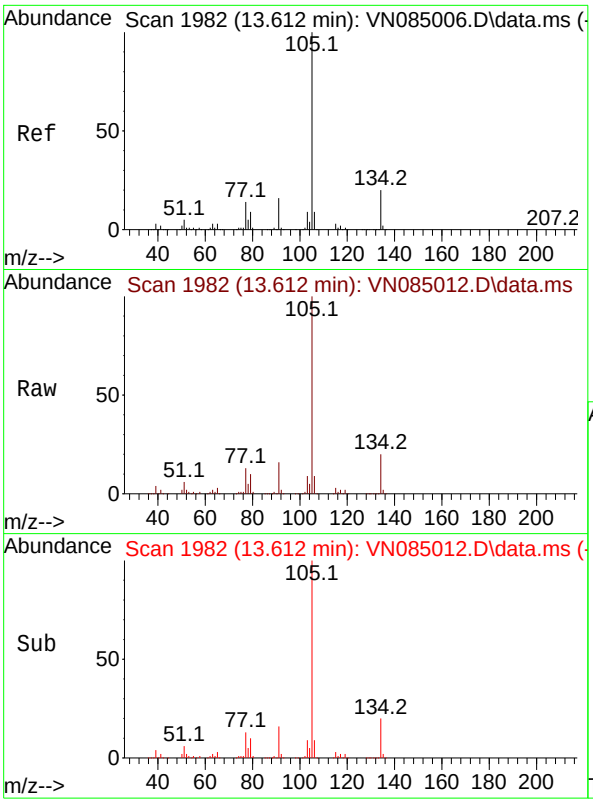


#84
1,2,4-Trimethylbenzene
Concen: 49.962 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:105 Resp: 392031

Ion	Ratio	Lower	Upper
105	100		
120	43.1	21.8	65.4



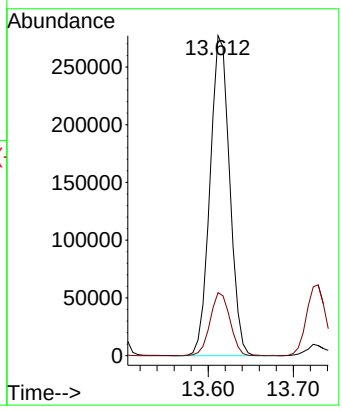


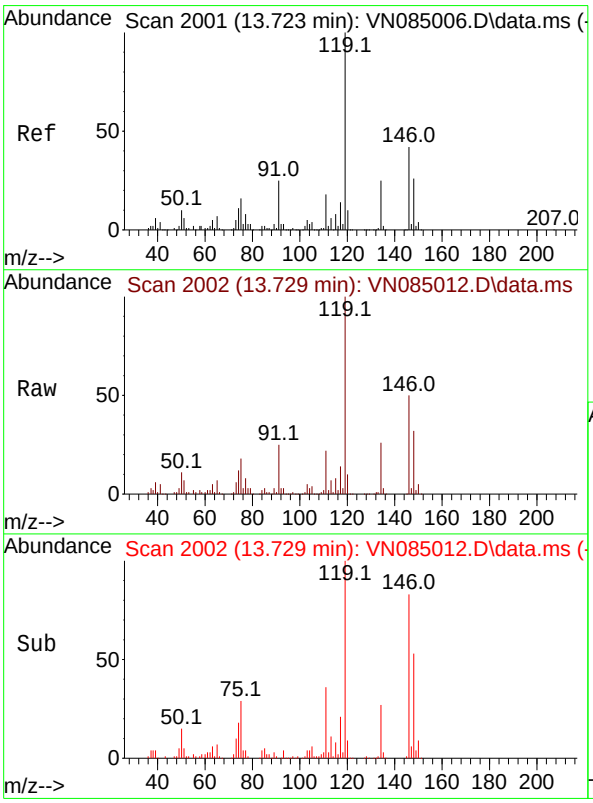
#85
sec-Butylbenzene
Concen: 50.166 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion:105 Resp: 444471

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.3

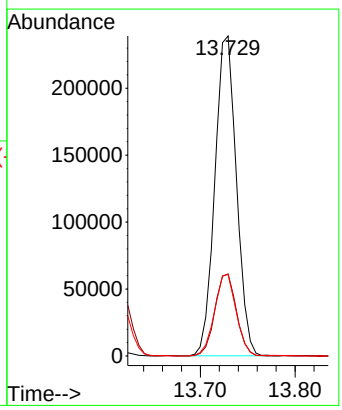


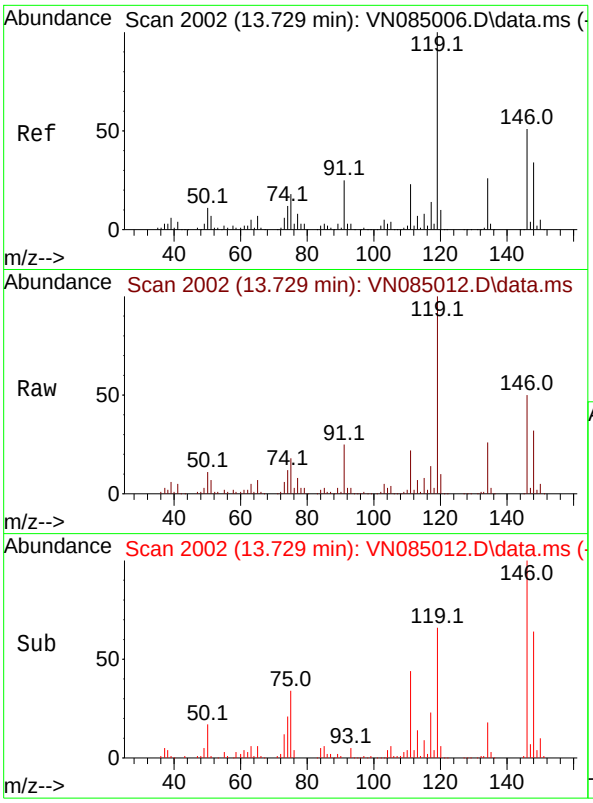


#86
p-Isopropyltoluene
Concen: 51.719 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:119 Resp: 378270

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	39.0
91	25.6	12.8	38.4



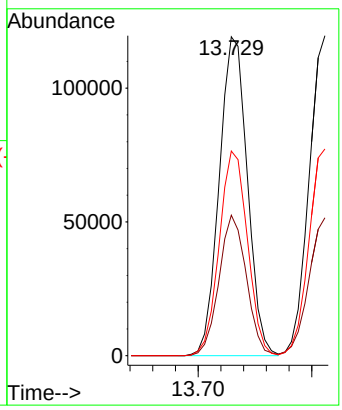


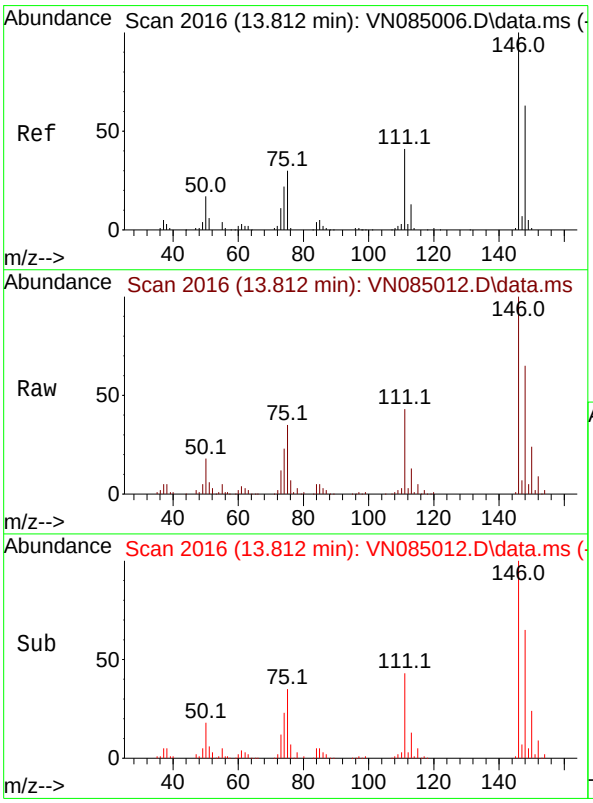
#87
1,3-Dichlorobenzene
Concen: 42.459 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion:146 Resp: 204731

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.6	65.0
148	64.4	32.2	96.6

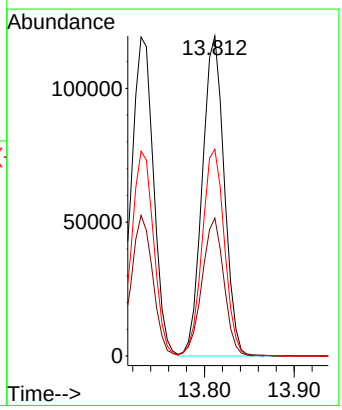


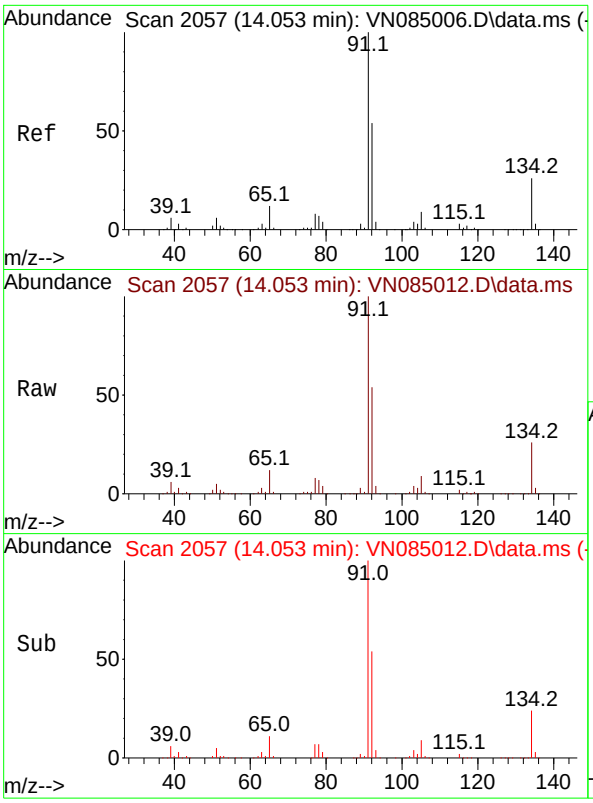


#88
1,4-Dichlorobenzene
Concen: 41.240 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:146 Resp: 202930

Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.9	62.8
148	65.1	31.3	93.9



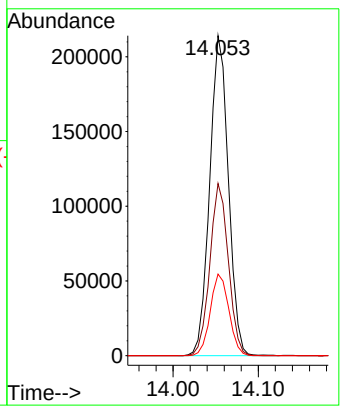


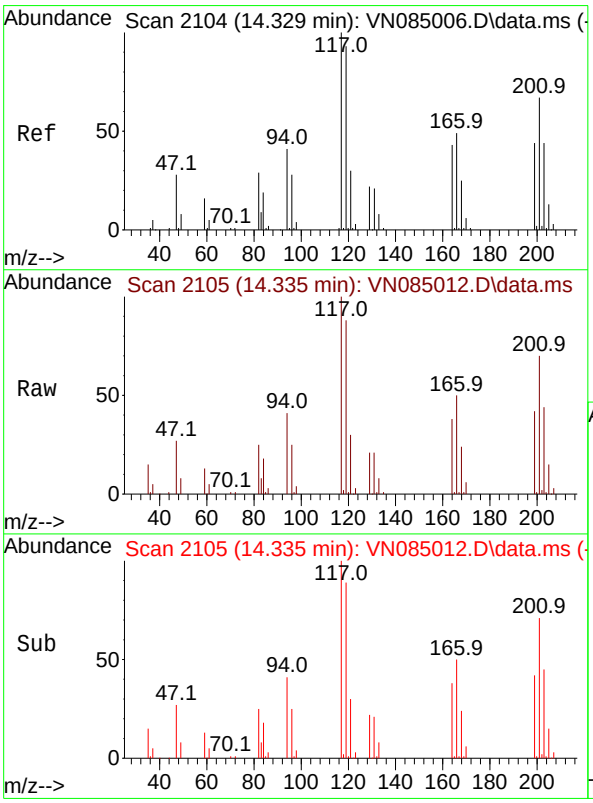
#89
n-Butylbenzene
Concen: 47.892 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 91 Resp: 325752

Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.8	80.3
134	25.4	12.8	38.4

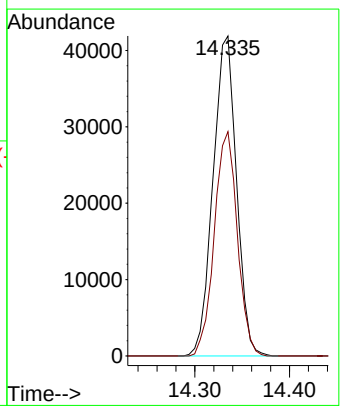


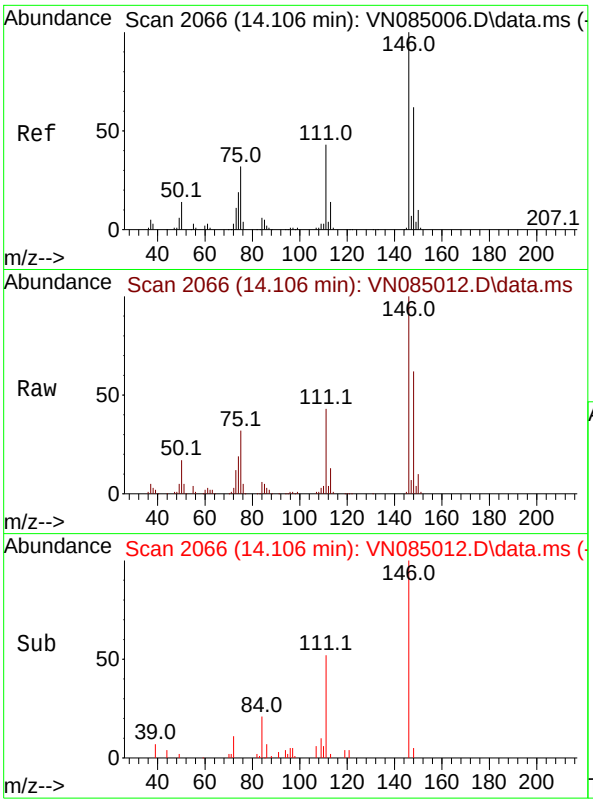


#90
Hexachloroethane
Concen: 45.332 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:117 Resp: 72271

Ion	Ratio	Lower	Upper
117	100		
201	68.7	35.2	105.6



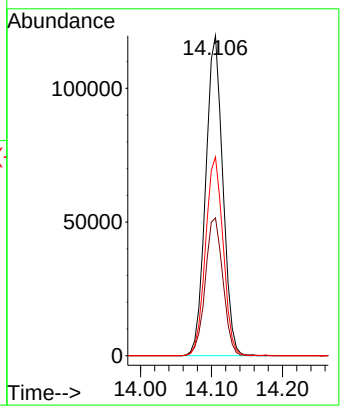


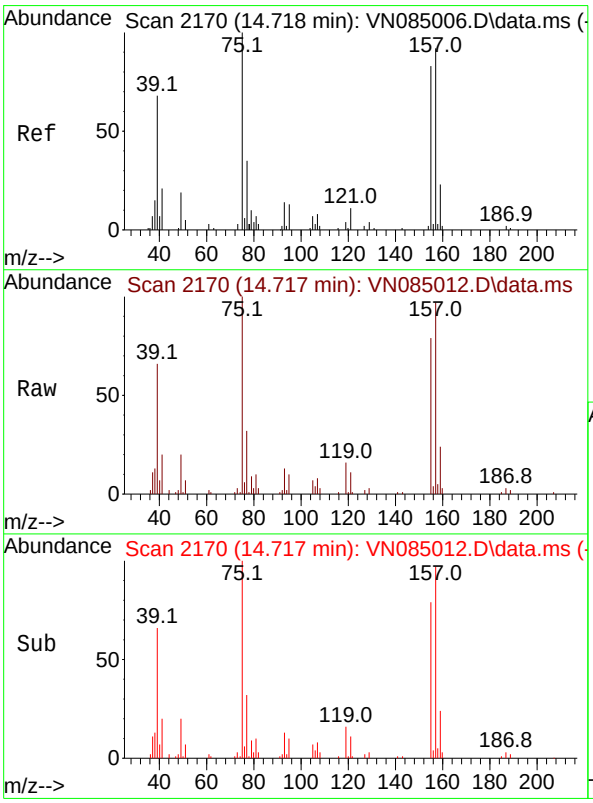
#91
1,2-Dichlorobenzene
Concen: 43.472 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion:146 Resp: 200864

Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.9	65.8
148	63.7	31.1	93.2

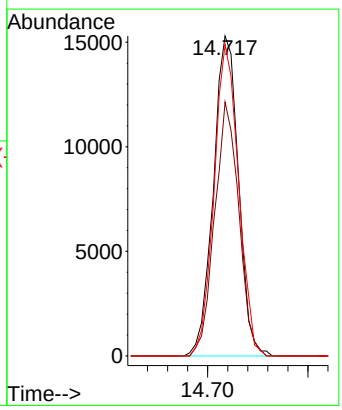


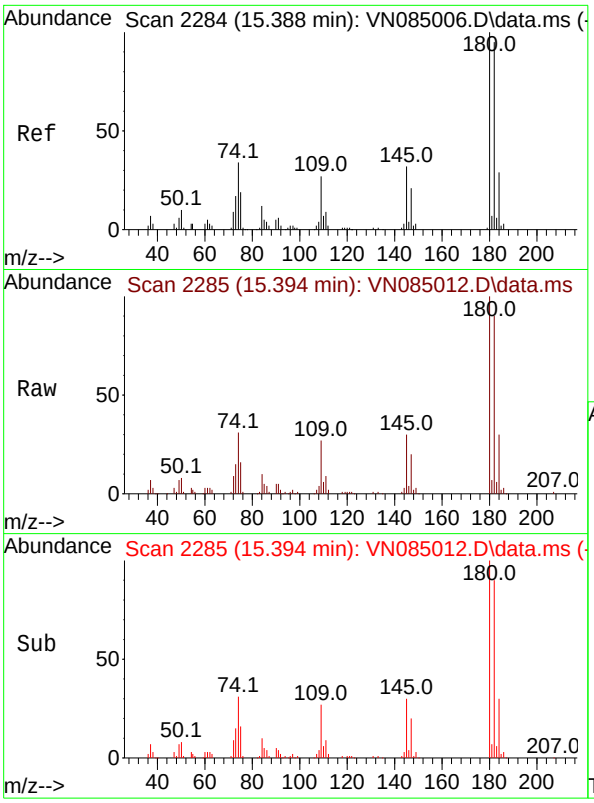


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.183 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 75 Resp: 26503

Ion	Ratio	Lower	Upper
75	100		
155	76.6	38.9	116.7
157	95.3	48.3	144.9



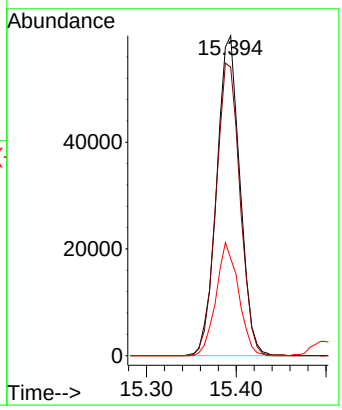


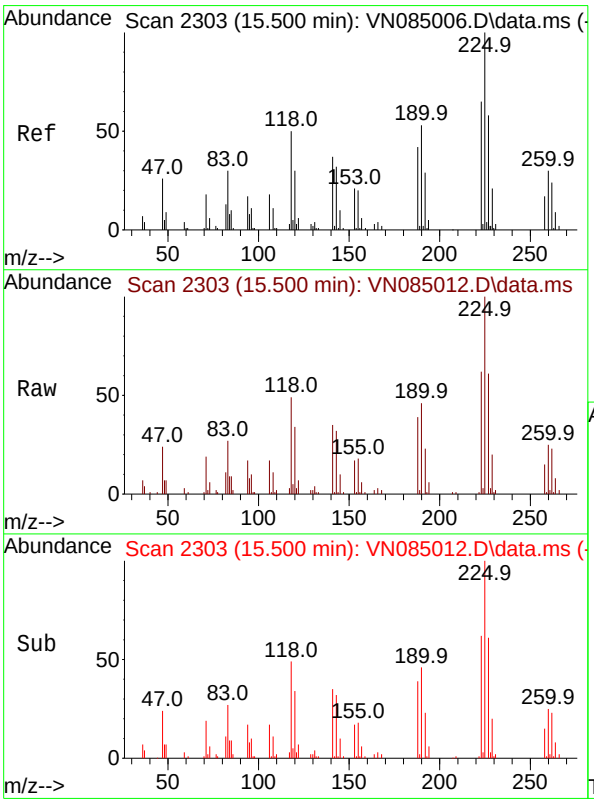
#93
1,2,4-Trichlorobenzene
Concen: 42.908 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion:180 Resp: 107707

Ion	Ratio	Lower	Upper
180	100		
182	94.4	46.9	140.8
145	34.3	16.3	48.8

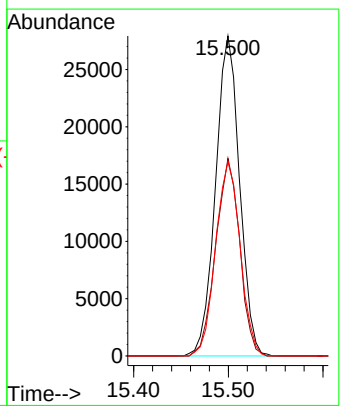


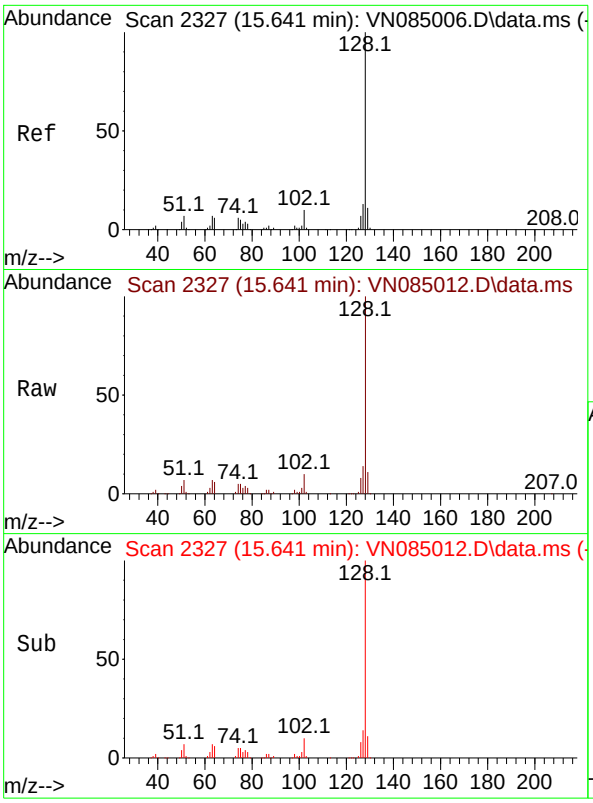


#94
Hexachlorobutadiene
Concen: 42.581 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:225 Resp: 49330

Ion	Ratio	Lower	Upper
225	100		
223	61.4	30.9	92.8
227	61.9	31.5	94.5



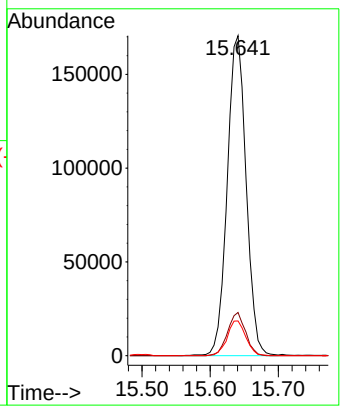


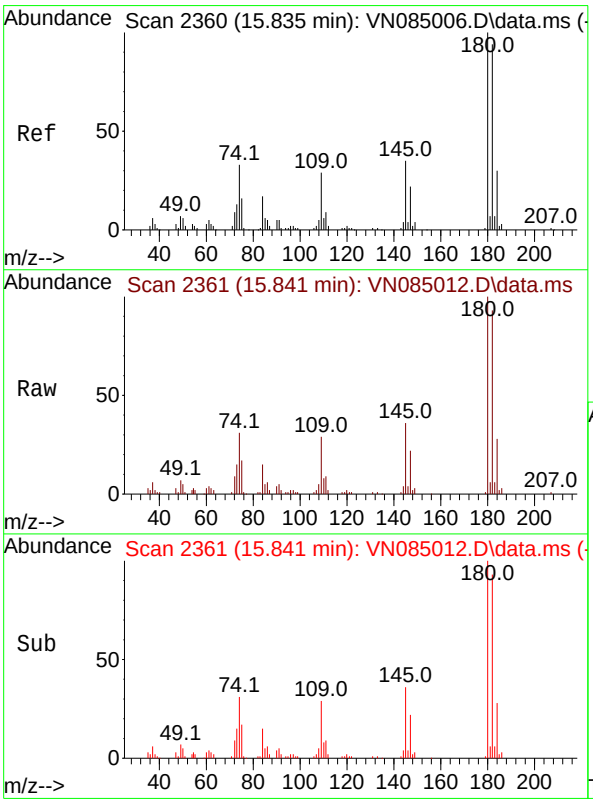
#95
Naphthalene
Concen: 46.067 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion:128 Resp: 329352

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.7	8.6	12.8

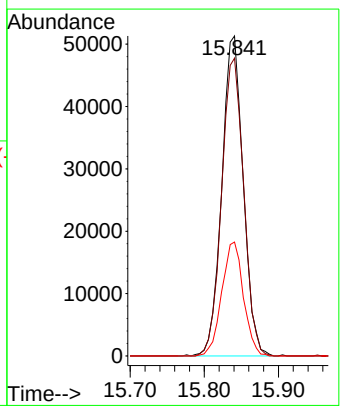




#96
1,2,3-Trichlorobenzene
Concen: 42.932 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:180 Resp: 102829

Ion	Ratio	Lower	Upper
180	100		
182	95.9	46.4	139.2
145	36.1	17.3	52.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085142.D
Acq On : 09 Dec 2024 10:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Dec 10 04:56:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	169304	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	265126	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	235660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	120023	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114719	47.569	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.140%			
35) Dibromofluoromethane	8.165	113	92766	51.885	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.760%			
50) Toluene-d8	10.565	98	326526	50.960	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.920%			
62) 4-Bromofluorobenzene	12.847	95	123192	51.412	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	74077	38.695	ug/l	98
3) Chloromethane	2.359	50	80185	36.113	ug/l	97
4) Vinyl Chloride	2.512	62	83740	41.966	ug/l	97
5) Bromomethane	2.942	94	53457	47.797	ug/l	91
6) Chloroethane	3.118	64	59690	44.380	ug/l	100
7) Trichlorofluoromethane	3.495	101	155891	45.926	ug/l	99
8) Diethyl Ether	3.959	74	54603	47.263	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	91050	47.294	ug/l	97
10) Methyl Iodide	4.583	142	89363	35.067	ug/l	97
11) Tert butyl alcohol	5.518	59	76683	237.948	ug/l	96
12) 1,1-Dichloroethene	4.342	96	82362	45.833	ug/l	99
13) Acrolein	4.177	56	64513	300.005	ug/l	97
14) Allyl chloride	5.018	41	117645	38.835	ug/l	92
15) Acrylonitrile	5.712	53	221719	243.009	ug/l	100
16) Acetone	4.424	43	203220	289.341	ug/l	96
17) Carbon Disulfide	4.706	76	226138	42.635	ug/l	98
18) Methyl Acetate	5.018	43	108094	48.108	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	282616	48.135	ug/l	100
20) Methylene Chloride	5.271	84	95322	44.476	ug/l	99
21) trans-1,2-Dichloroethene	5.789	96	87778	46.418	ug/l	96
22) Diisopropyl ether	6.665	45	281466	46.165	ug/l	98
23) Vinyl Acetate	6.600	43	1037308	246.613	ug/l	100
24) 1,1-Dichloroethane	6.565	63	169467	46.447	ug/l	98
25) 2-Butanone	7.477	43	297377	258.973	ug/l	97
26) 2,2-Dichloropropane	7.489	77	159044	46.682	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	105165	46.131	ug/l	99
28) Bromochloromethane	7.812	49	63733	46.274	ug/l	95
29) Tetrahydrofuran	7.836	42	184053	257.747	ug/l	98
30) Chloroform	7.965	83	183970	47.401	ug/l	100
31) Cyclohexane	8.253	56	140953	43.877	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	165151	47.089	ug/l	98
36) 1,1-Dichloropropene	8.365	75	123613	51.043	ug/l	99
37) Ethyl Acetate	7.559	43	116196	52.778	ug/l	98
38) Carbon Tetrachloride	8.359	117	148269	53.041	ug/l	96
39) Methylcyclohexane	9.600	83	131927	52.424	ug/l	97
40) Benzene	8.606	78	386295	50.434	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085142.D
Acq On : 09 Dec 2024 10:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Dec 10 04:56:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.771	41	62238	51.058 ug/l	96
42) 1,2-Dichloroethane	8.671	62	132099	50.412 ug/l	99
43) Isopropyl Acetate	8.688	43	196670	43.006 ug/l	97
44) Trichloroethene	9.347	130	91956	51.660 ug/l	94
45) 1,2-Dichloropropane	9.618	63	92953	49.272 ug/l	93
46) Dibromomethane	9.706	93	67996	51.870 ug/l	98
47) Bromodichloromethane	9.888	83	145741	52.456 ug/l	97
48) Methyl methacrylate	9.677	41	91470	53.750 ug/l	98
49) 1,4-Dioxane	9.694	88	37193	1260.284 ug/l #	92
51) 4-Methyl-2-Pentanone	10.441	43	608624	291.377 ug/l	99
52) Toluene	10.630	92	245225	54.081 ug/l	100
53) t-1,3-Dichloropropene	10.835	75	143697	51.589 ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	153615	51.984 ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	91610	54.241 ug/l	98
56) Ethyl methacrylate	10.871	69	145017	58.759 ug/l	98
57) 1,3-Dichloropropane	11.165	76	154792	52.074 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	312633	258.243 ug/l	100
59) 2-Hexanone	11.194	43	467460	299.229 ug/l	100
60) Dibromochloromethane	11.359	129	114019	55.238 ug/l	99
61) 1,2-Dibromoethane	11.465	107	93195	53.317 ug/l	97
64) Tetrachloroethene	11.100	164	83557	52.620 ug/l	97
65) Chlorobenzene	11.888	112	264819	49.550 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	96896	51.493 ug/l	99
67) Ethyl Benzene	11.959	91	466309	53.779 ug/l	99
68) m/p-Xylenes	12.071	106	362598	109.841 ug/l	100
69) o-Xylene	12.394	106	169397	53.945 ug/l	100
70) Styrene	12.412	104	301784	57.790 ug/l	98
71) Bromoform	12.576	173	79256	56.742 ug/l #	100
73) Isopropylbenzene	12.694	105	441629	52.158 ug/l	100
74) N-amyl acetate	12.494	43	176132	50.480 ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.935	83	134339	46.462 ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	173913	79.662 ug/l	47
77) Bromobenzene	12.976	156	109596	48.098 ug/l	99
78) n-propylbenzene	13.035	91	528037	54.068 ug/l	99
79) 2-Chlorotoluene	13.123	91	319326	48.981 ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	387163	54.491 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	55265	55.884 ug/l	86
82) 4-Chlorotoluene	13.218	91	331046	48.778 ug/l	99
83) tert-Butylbenzene	13.435	119	310870	50.852 ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	387968	53.047 ug/l	100
85) sec-Butylbenzene	13.612	105	447037	54.132 ug/l	99
86) p-Isopropyltoluene	13.729	119	379947	55.734 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	202457	45.047 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	202736	44.203 ug/l	98
89) n-Butylbenzene	14.053	91	317319	50.053 ug/l	99
90) Hexachloroethane	14.329	117	74535	50.159 ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	190711	44.283 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26256	46.961 ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	98579	42.133 ug/l	99
94) Hexachlorobutadiene	15.500	225	46941	43.472 ug/l	98
95) Naphthalene	15.641	128	299742	44.981 ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	97267	43.570 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085142.D
Acq On : 09 Dec 2024 10:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Dec 10 04:56:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

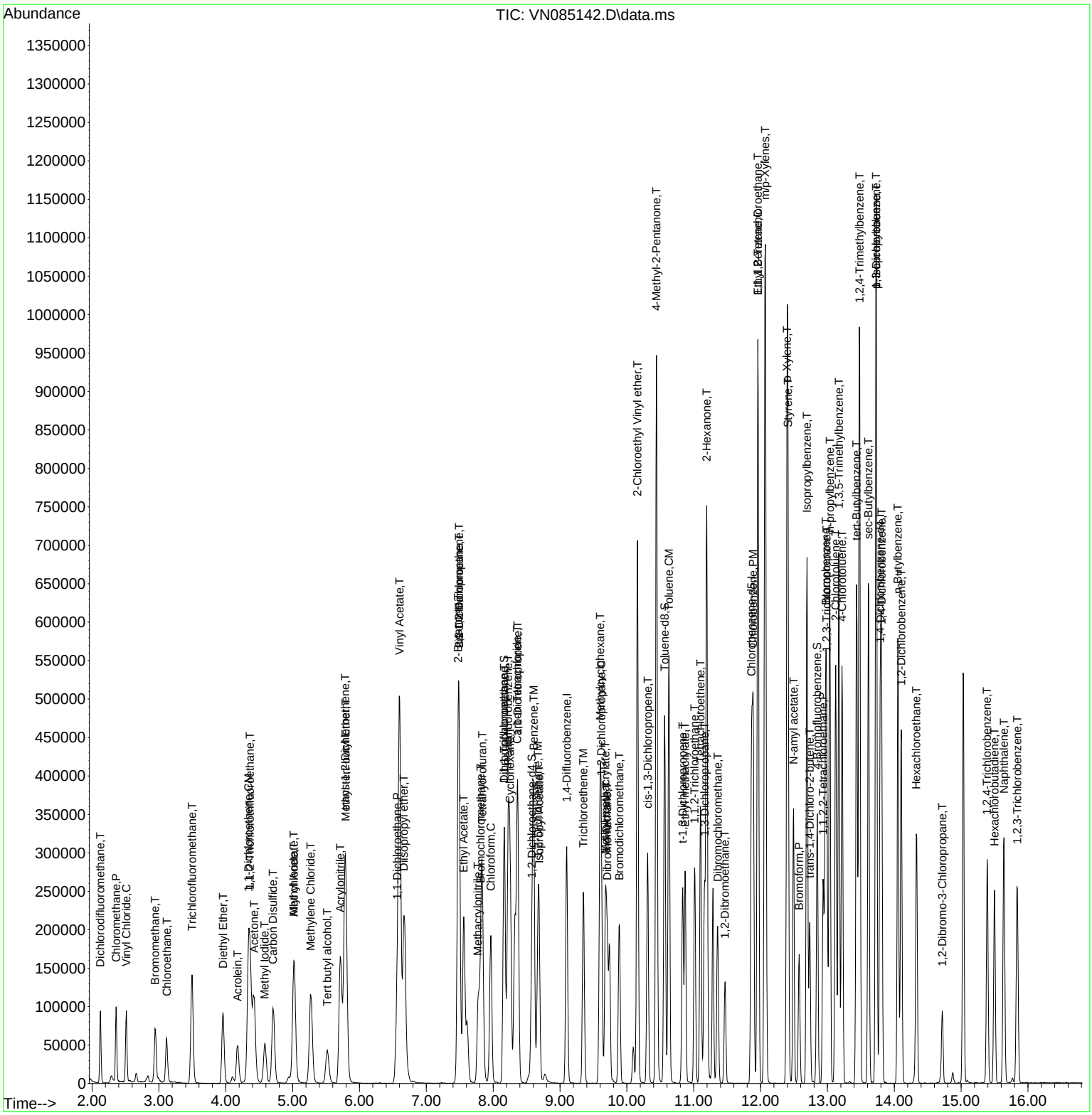
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

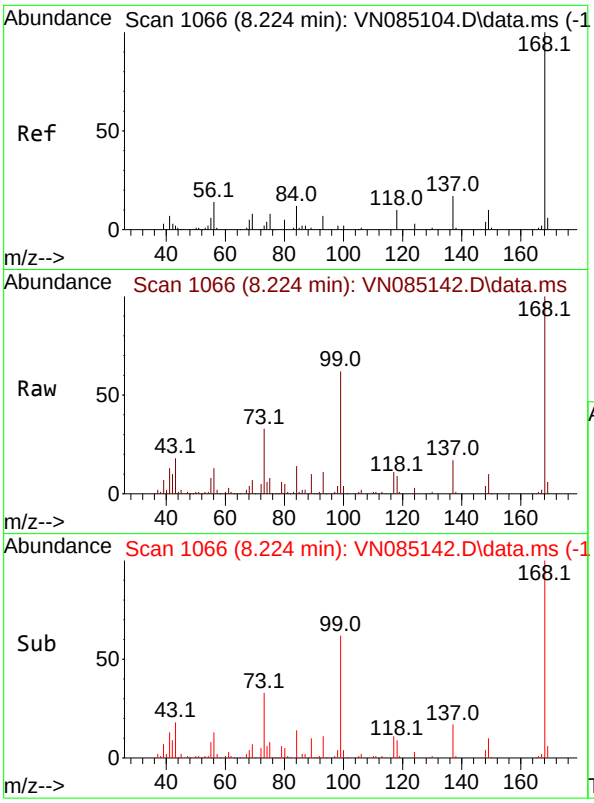
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085142.D
Acq On : 09 Dec 2024 10:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Dec 10 04:56:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



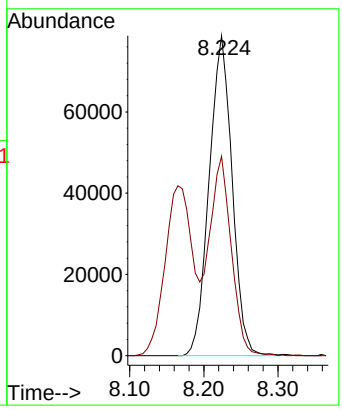


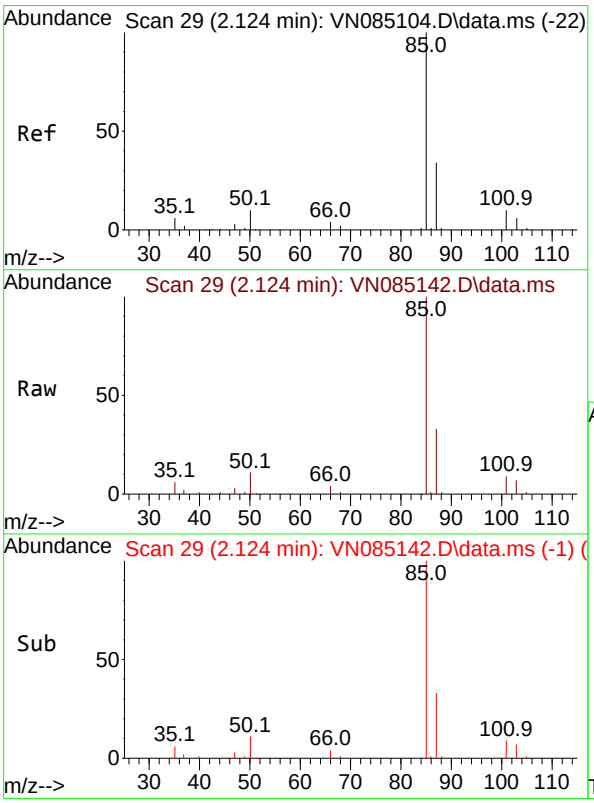
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 169304

Ion	Ratio	Lower	Upper
168	100		
99	62.3	51.2	76.8

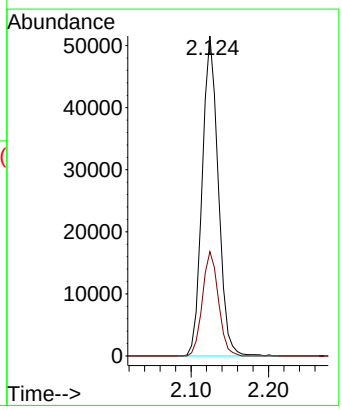


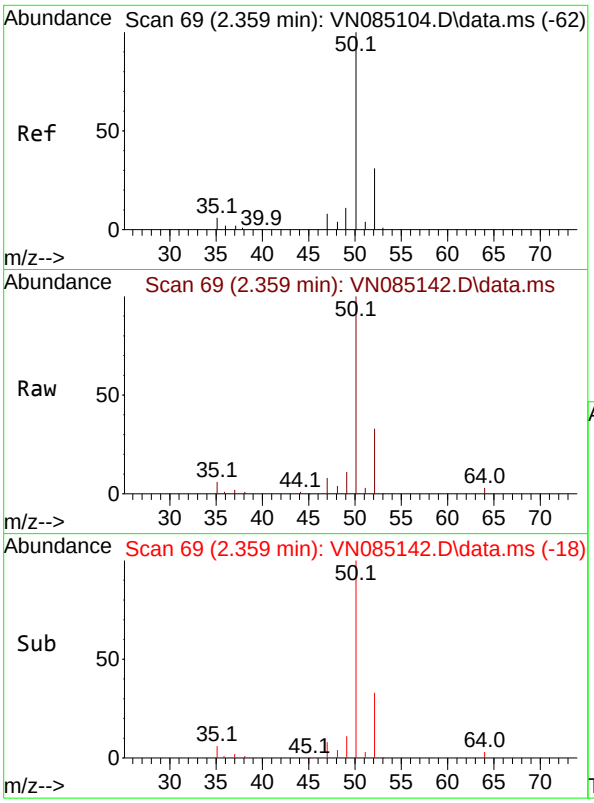


#2
Dichlorodifluoromethane
Concen: 38.695 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 85 Resp: 74077

Ion	Ratio	Lower	Upper
85	100		
87	32.6	15.7	47.1



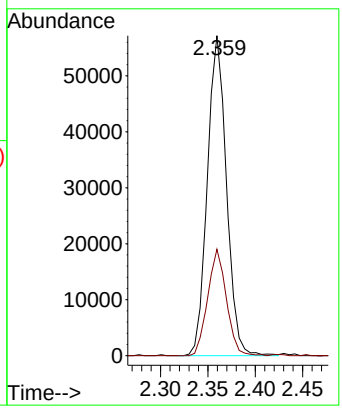


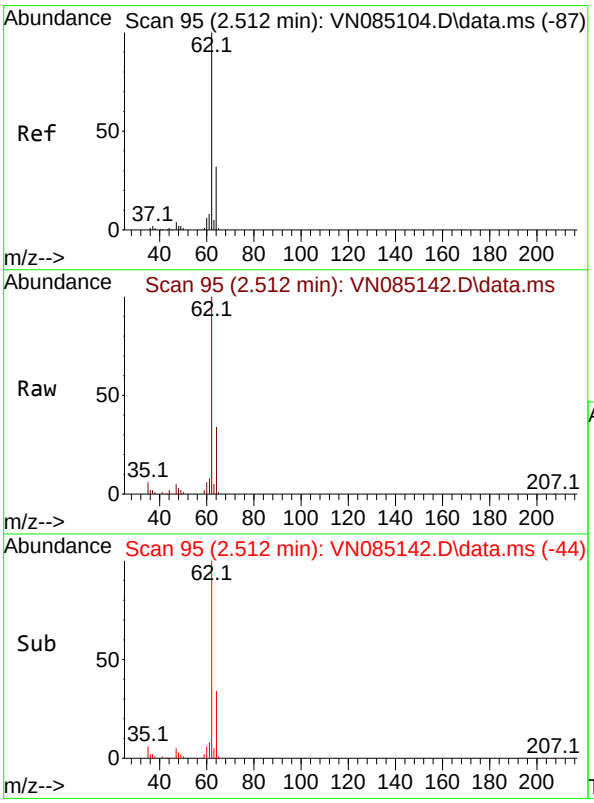
#3
Chloromethane
Concen: 36.113 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 80185

Ion	Ratio	Lower	Upper
50	100		
52	33.2	27.8	41.8

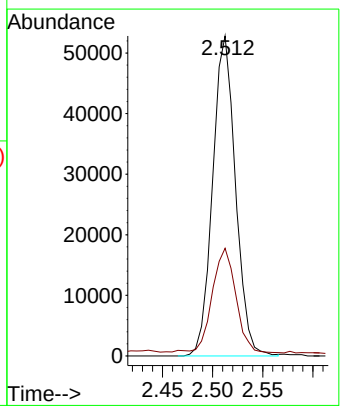


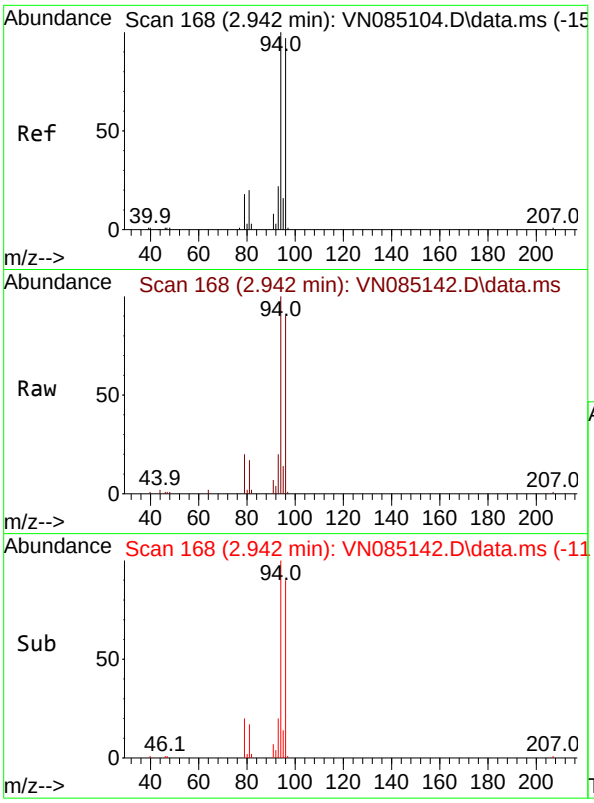


#4
Vinyl Chloride
Concen: 41.966 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 62 Resp: 83740

Ion	Ratio	Lower	Upper
62	100		
64	32.6	24.6	36.8



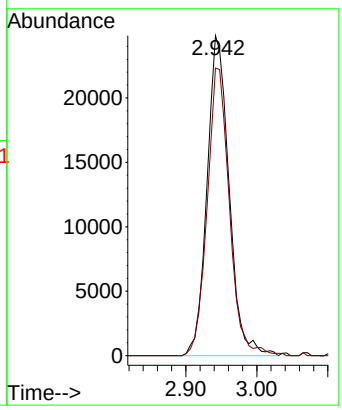


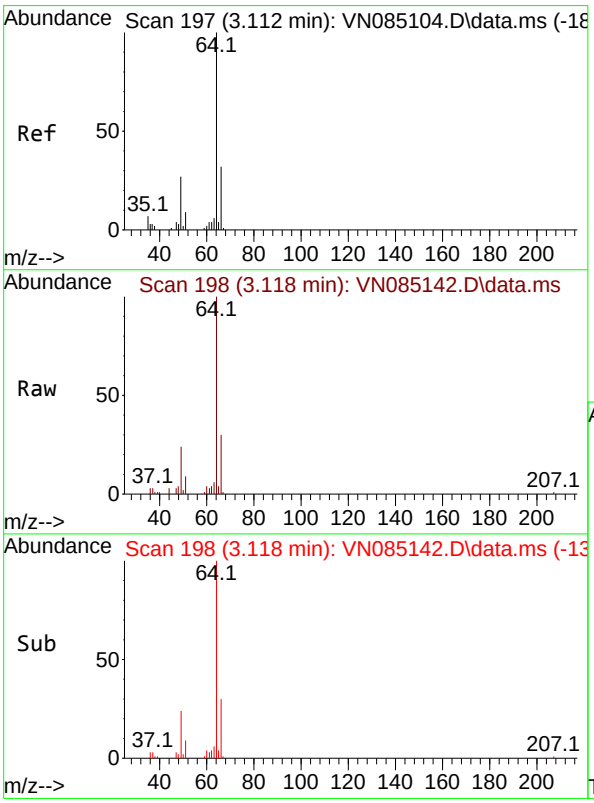
#5
Bromomethane
Concen: 47.797 ug/l
RT: 2.942 min Scan# 1
Delta R.T. 0.041 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 53457

Ion	Ratio	Lower	Upper
94	100		
96	89.9	78.7	118.1

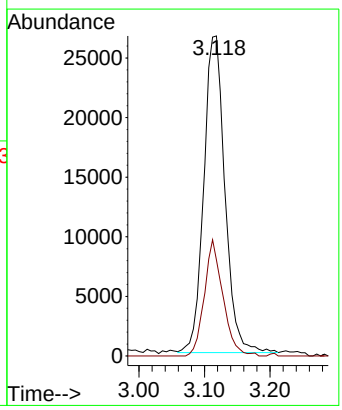


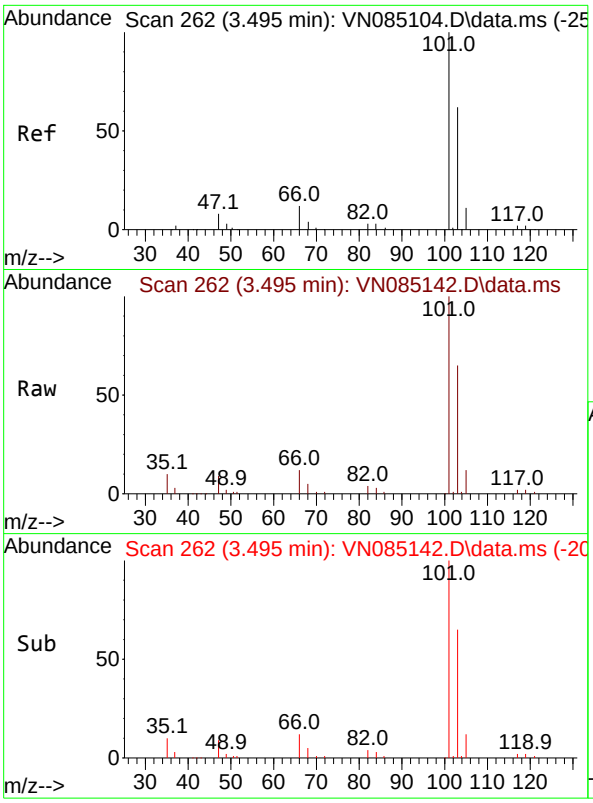


#6
Chloroethane
Concen: 44.380 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.053 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 64 Resp: 59690

Ion	Ratio	Lower	Upper
64	100		
66	30.3	24.4	36.6



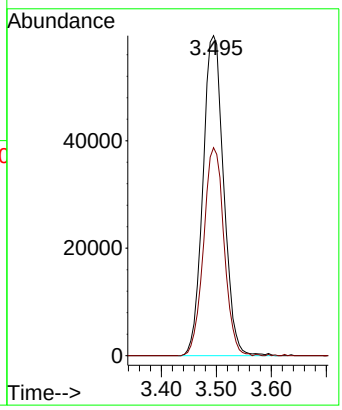


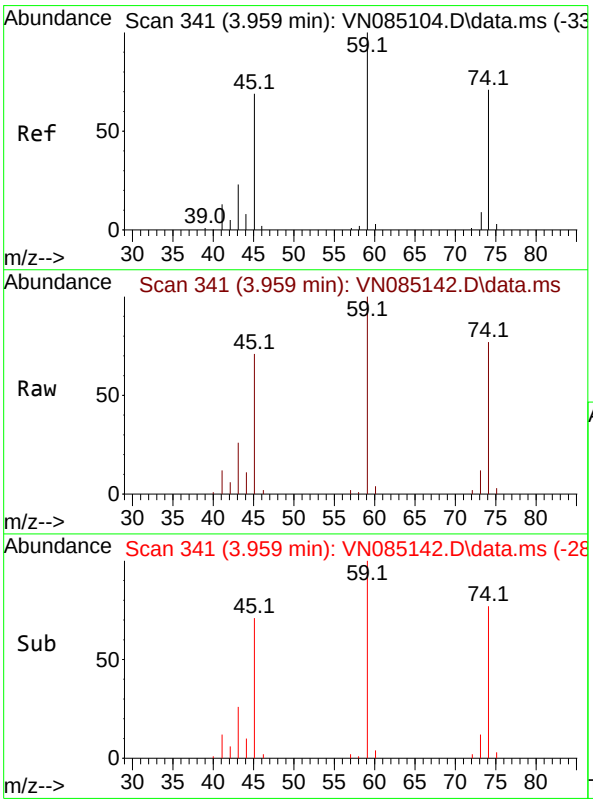
#7
Trichlorofluoromethane
Concen: 45.926 ug/l
RT: 3.495 min Scan# 2
Delta R.T. 0.035 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 155891

Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.6	78.8

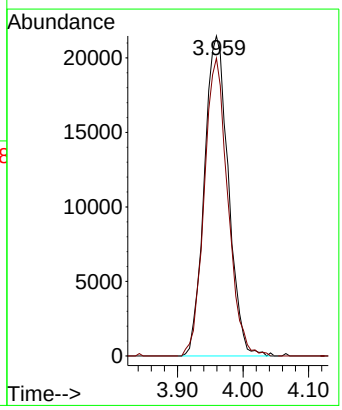


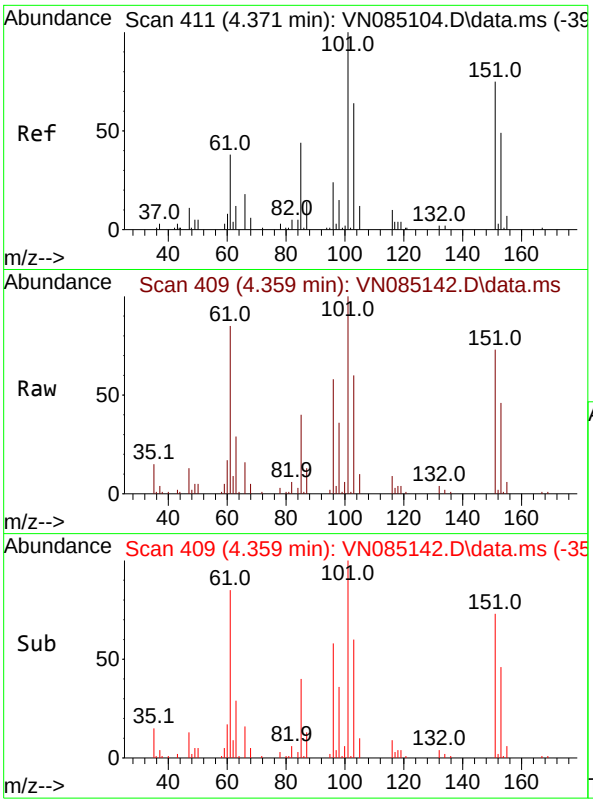


#8
Diethyl Ether
Concen: 47.263 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.012 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 74 Resp: 54603

Ion	Ratio	Lower	Upper
74	100		
45	91.6	46.7	140.1



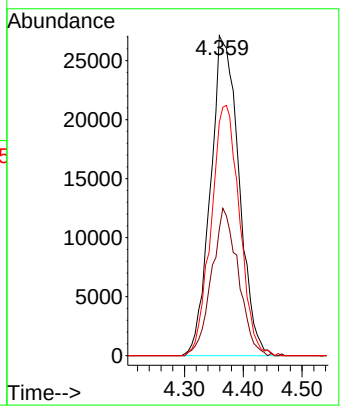


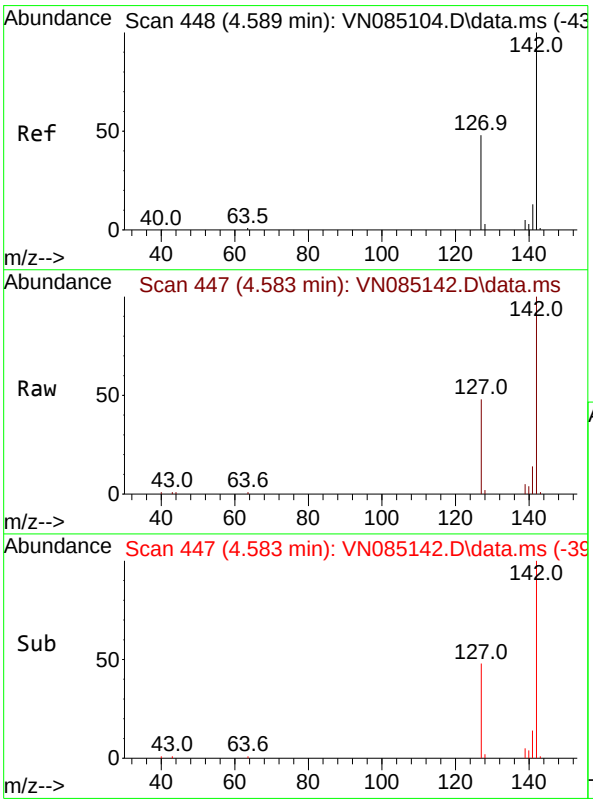
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.294 ug/l
RT: 4.359 min Scan# 4(
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 91050

Ion	Ratio	Lower	Upper
101	100		
85	43.3	36.9	55.3
151	78.1	60.8	91.2

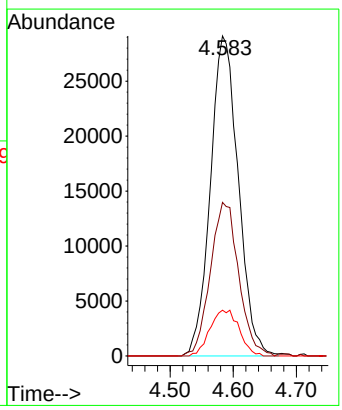


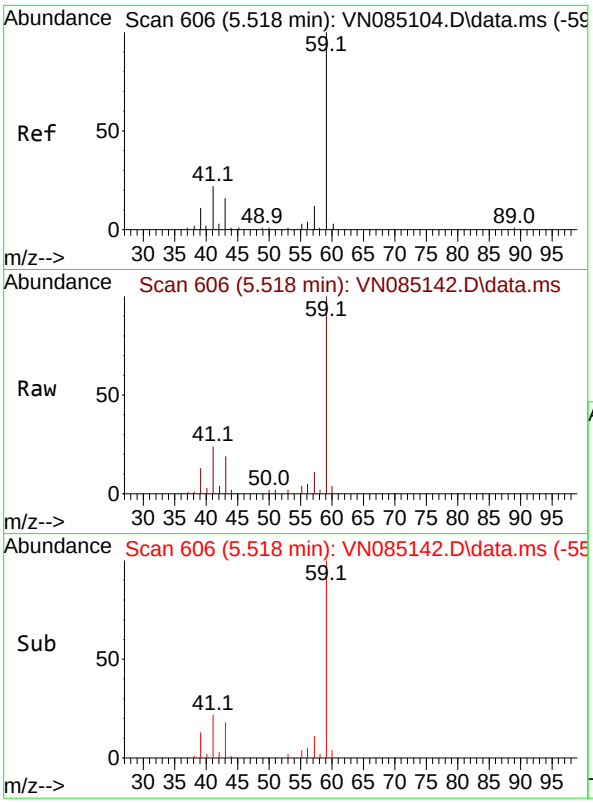


#10
Methyl Iodide
Concen: 35.067 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.012 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:142 Resp: 89363

Ion	Ratio	Lower	Upper
142	100		
127	48.0	36.6	54.8
141	14.3	12.2	18.4



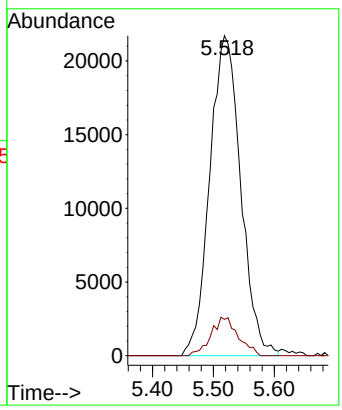


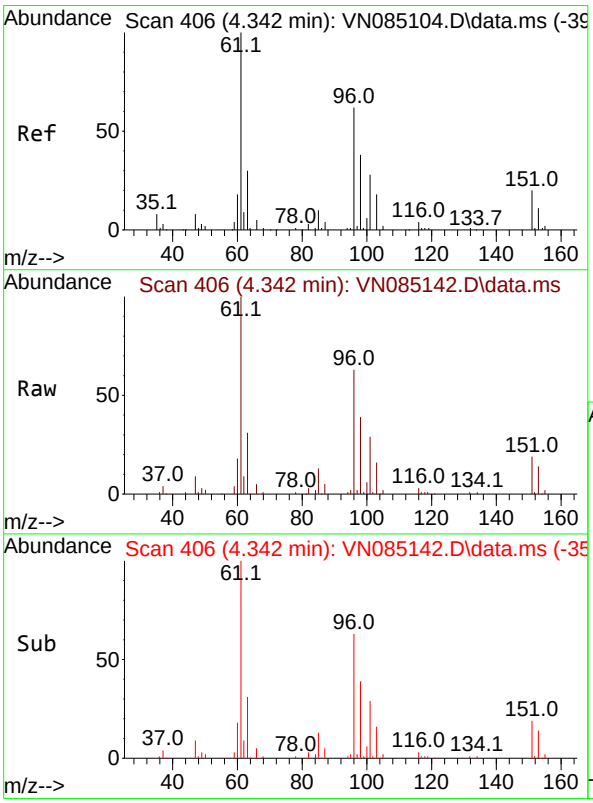
#11
Tert butyl alcohol
Concen: 237.948 ug/l
RT: 5.518 min Scan# 6
Delta R.T. -0.024 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 76683

Ion	Ratio	Lower	Upper
59	100		
57	10.5	7.4	11.0

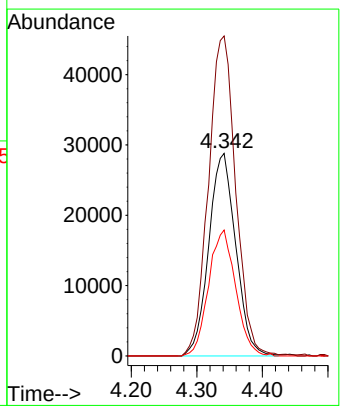


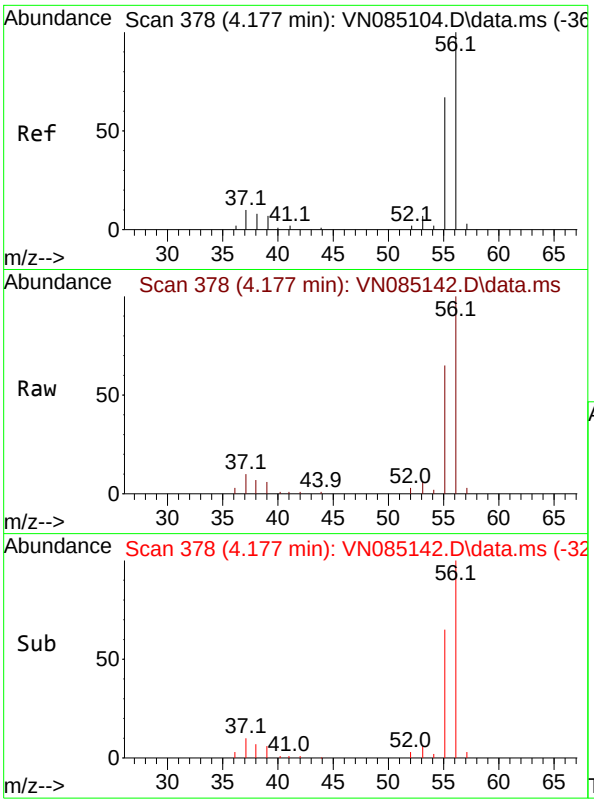


#12
1,1-Dichloroethene
Concen: 45.833 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.023 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 96 Resp: 82362

Ion	Ratio	Lower	Upper
96	100		
61	157.9	127.8	191.8
98	62.2	49.2	73.8



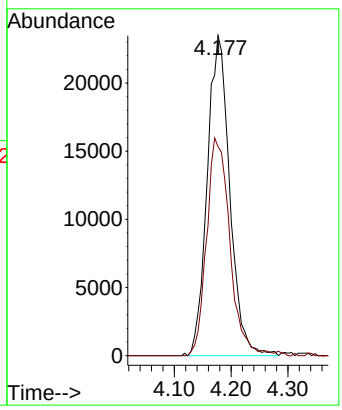


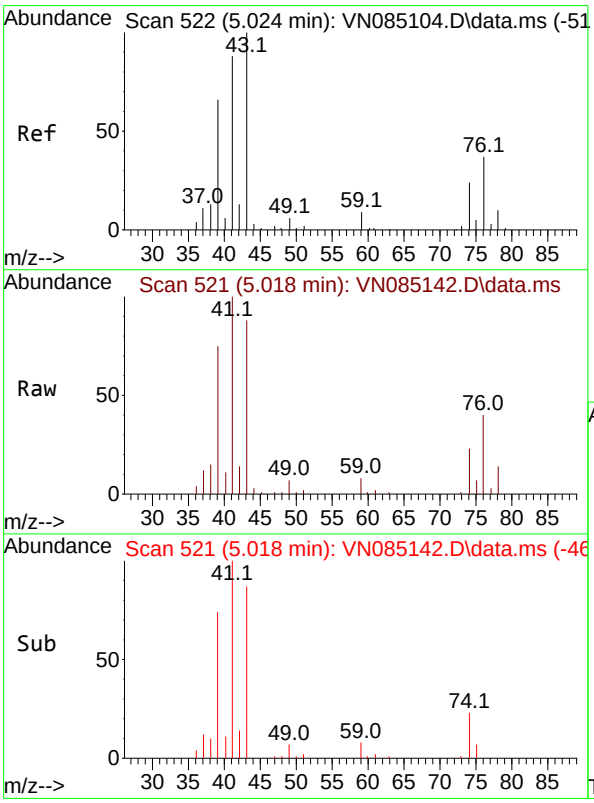
#13
Acrolein
Concen: 300.005 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.012 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 64513

Ion	Ratio	Lower	Upper
56	100		
55	70.2	54.5	81.7

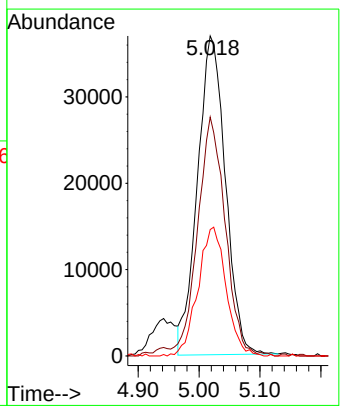


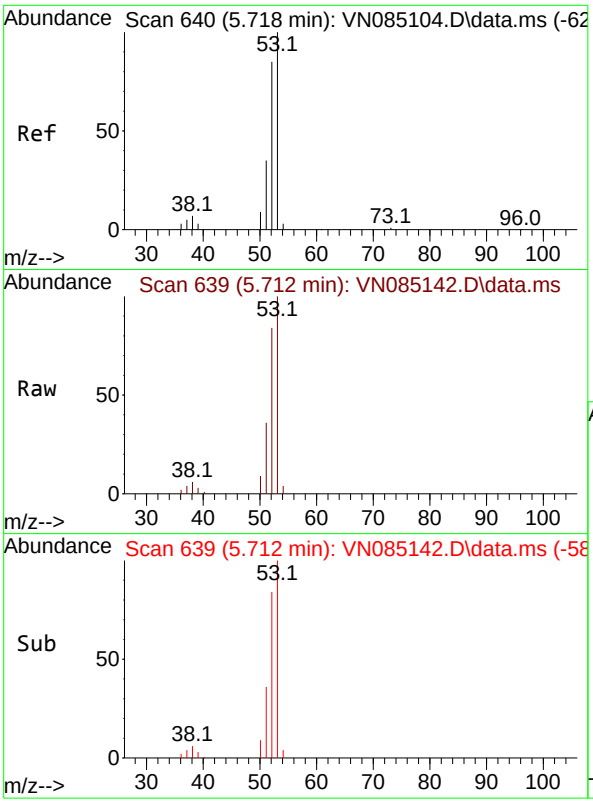


#14
Allyl chloride
Concen: 38.835 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.012 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 41 Resp: 117645

Ion	Ratio	Lower	Upper
41	100		
39	74.1	53.8	80.8
76	40.7	29.3	43.9



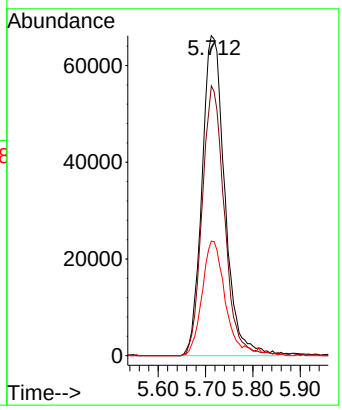


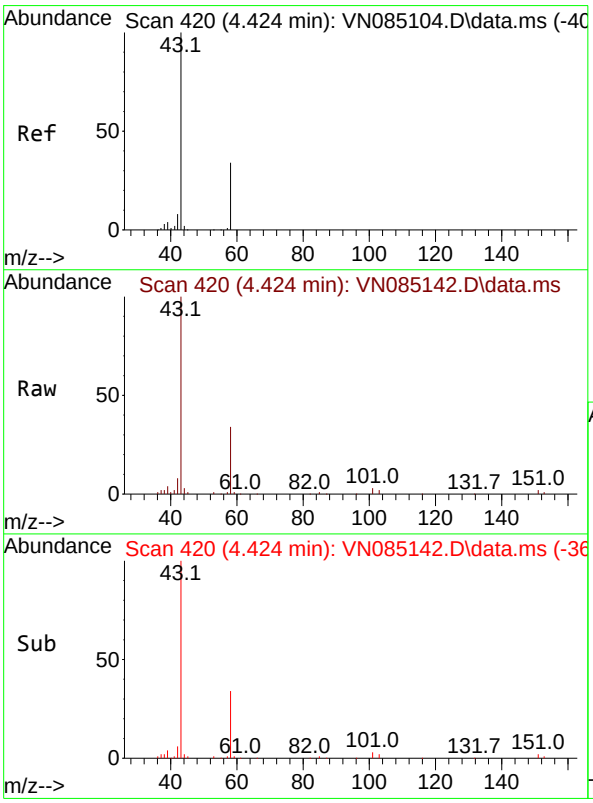
#15
Acrylonitrile
Concen: 243.009 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 221719

Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.5	98.3
51	36.2	28.4	42.6

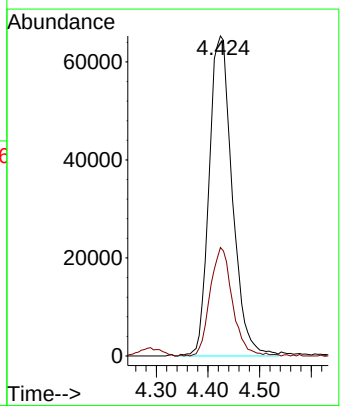


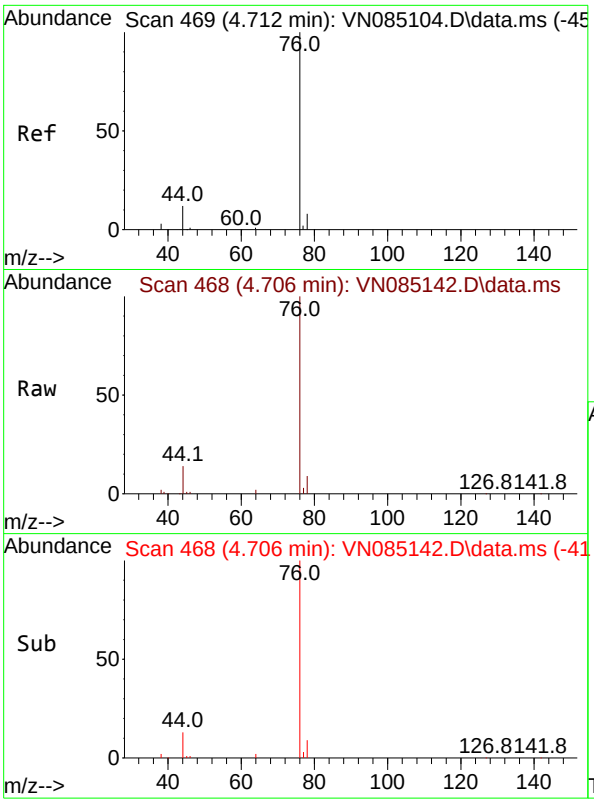


#16
Acetone
Concen: 289.341 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 43 Resp: 203220

Ion	Ratio	Lower	Upper
43	100		
58	33.9	25.4	38.2



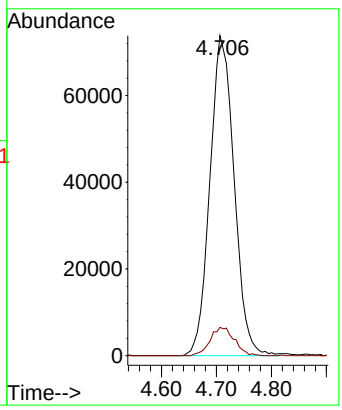


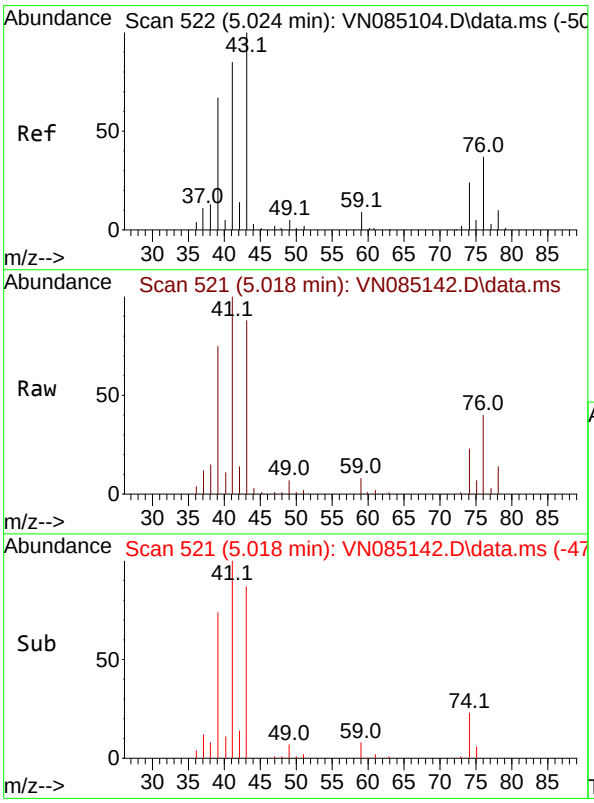
#17
Carbon Disulfide
Concen: 42.635 ug/l
RT: 4.706 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 226138

Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.5	9.7

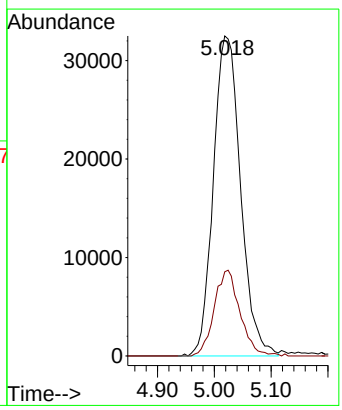


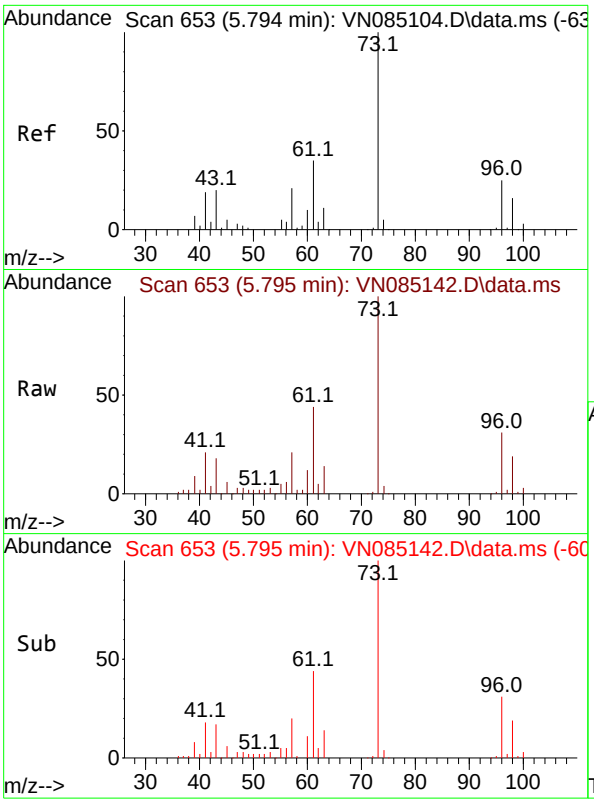


#18
Methyl Acetate
Concen: 48.108 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 43 Resp: 108094

Ion	Ratio	Lower	Upper
43	100		
74	25.3	20.1	30.1



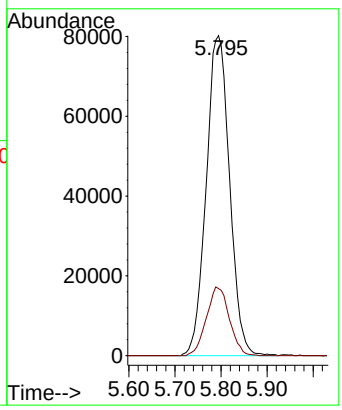


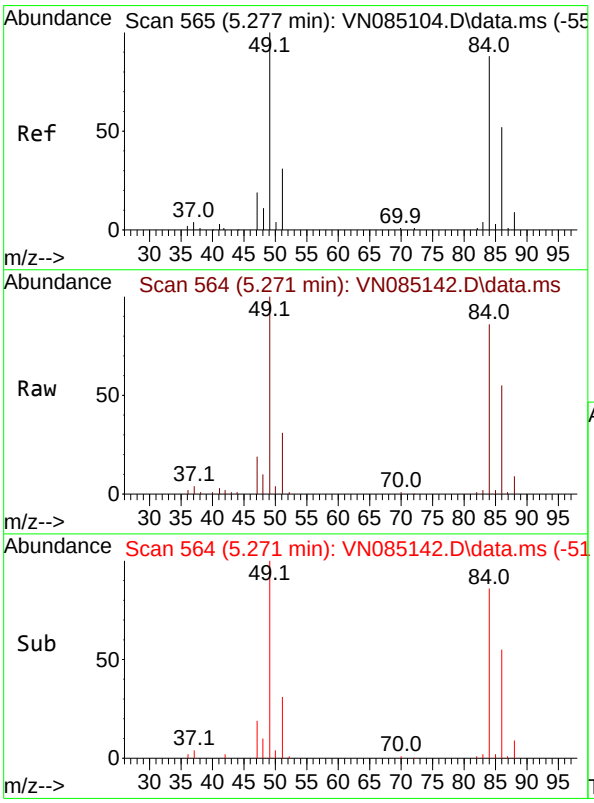
#19
Methyl tert-butyl Ether
Concen: 48.135 ug/l
RT: 5.795 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 282616

Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.0	25.4

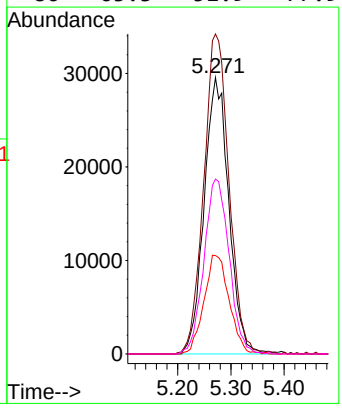


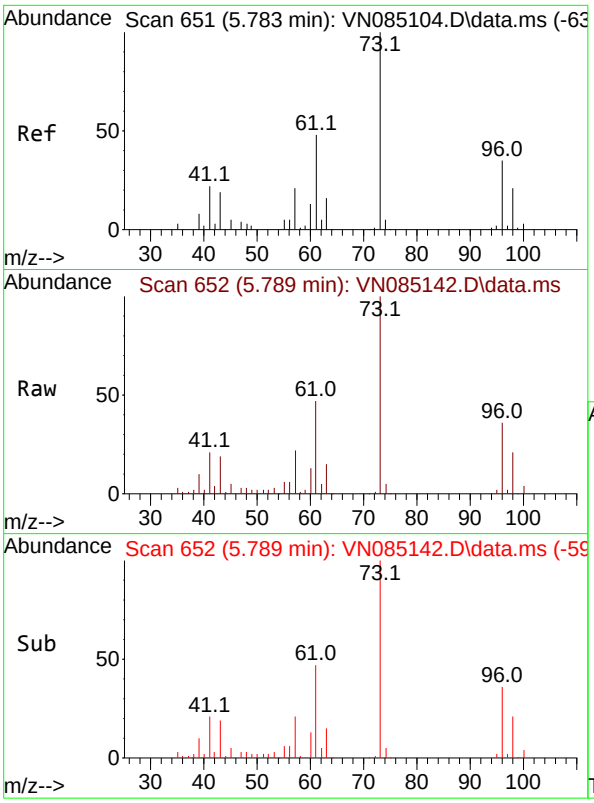


#20
Methylene Chloride
Concen: 44.476 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 84 Resp: 95322

Ion	Ratio	Lower	Upper
84	100		
49	115.8	92.7	139.1
51	35.6	29.4	44.2
86	63.3	51.9	77.9



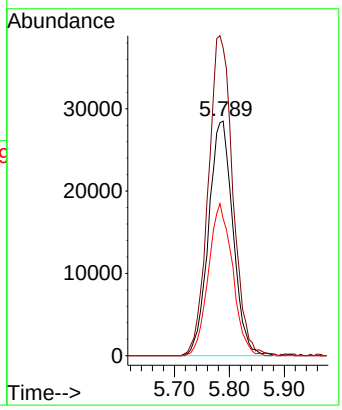


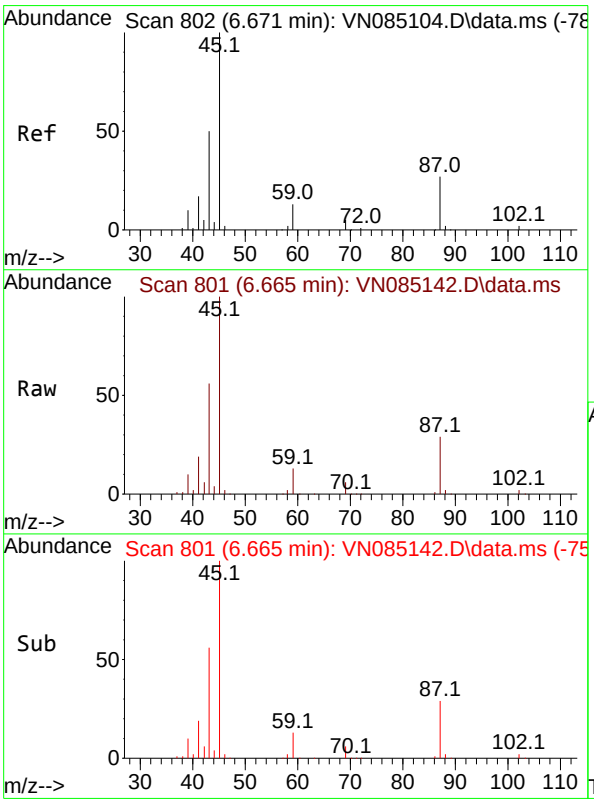
#21
trans-1,2-Dichloroethene
Concen: 46.418 ug/l
RT: 5.789 min Scan# 6
Delta R.T. 0.018 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 87778

Ion	Ratio	Lower	Upper
96	100		
61	131.2	100.7	151.1
98	58.4	45.8	68.6

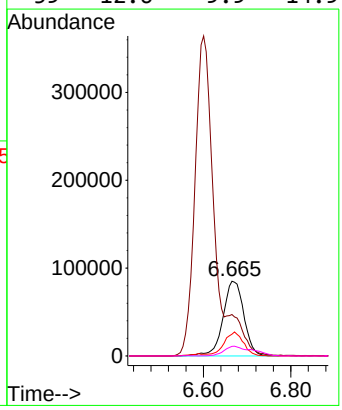


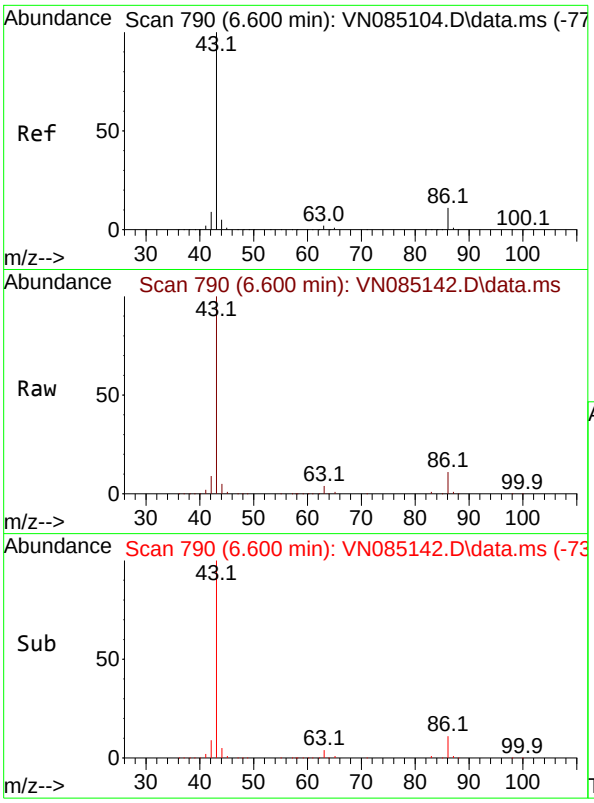


#22
Diisopropyl ether
Concen: 46.165 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 45 Resp: 281466

Ion	Ratio	Lower	Upper
45	100		
43	54.8	42.7	64.1
87	29.1	22.6	34.0
59	12.6	9.9	14.9



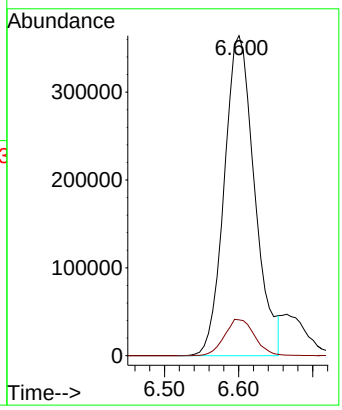


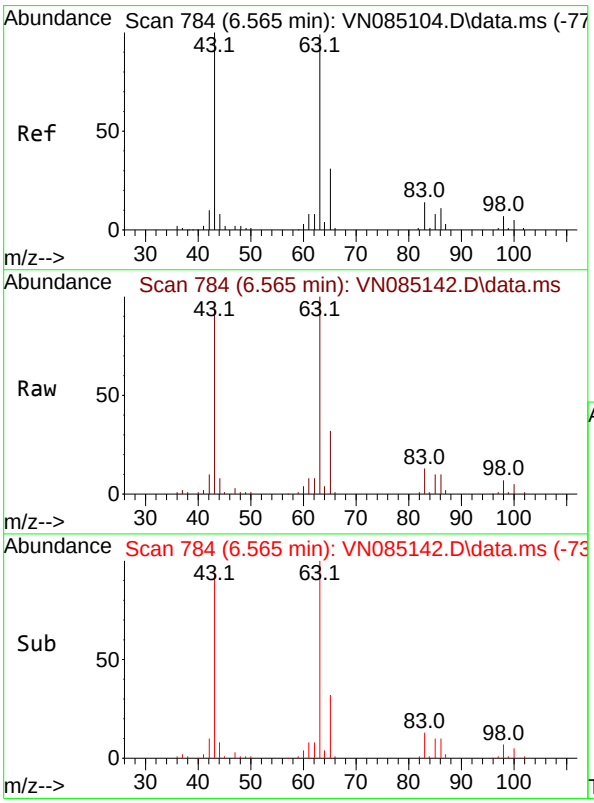
#23
Vinyl Acetate
Concen: 246.613 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1037308

Ion	Ratio	Lower	Upper
43	100		
86	11.2	8.9	13.3

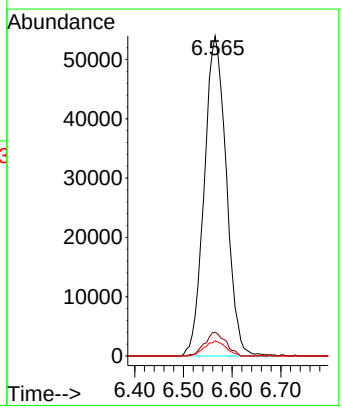


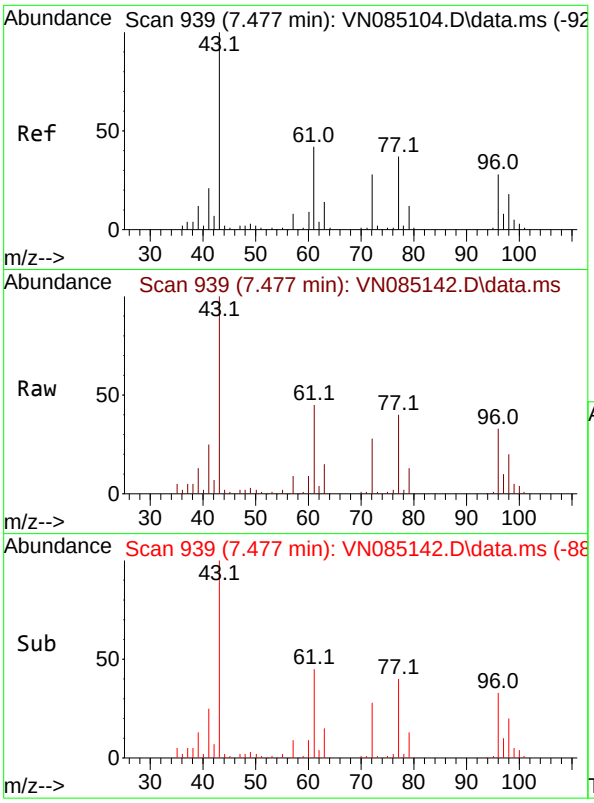


#24
1,1-Dichloroethane
Concen: 46.447 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.012 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 63 Resp: 169467

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.3	9.8
100	4.7	2.2	6.6



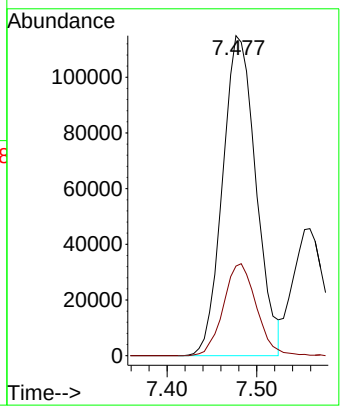


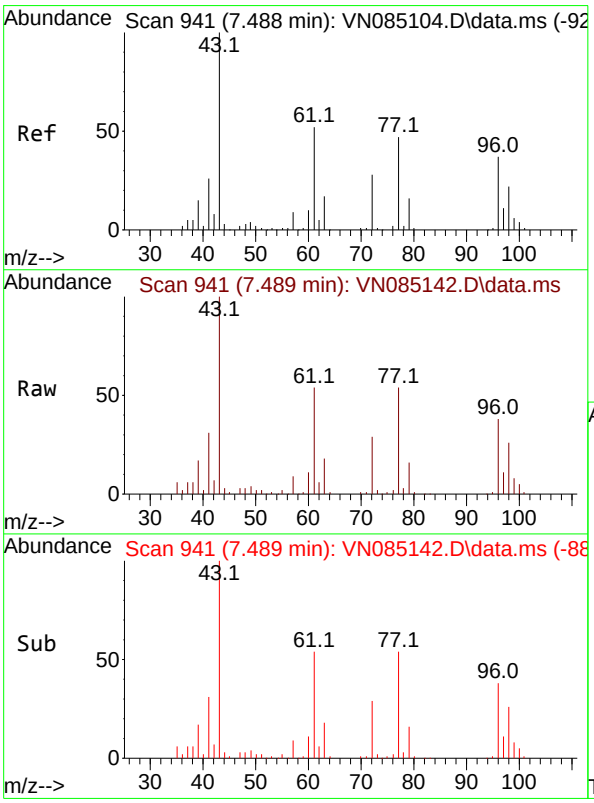
#25
2-Butanone
Concen: 258.973 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 297377

Ion	Ratio	Lower	Upper
43	100		
72	28.0	21.4	32.0

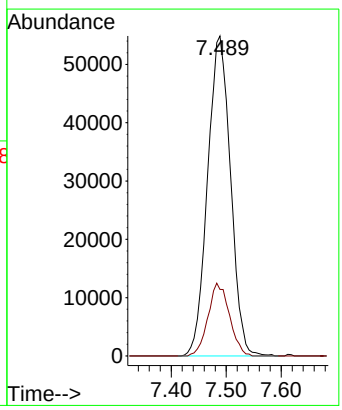


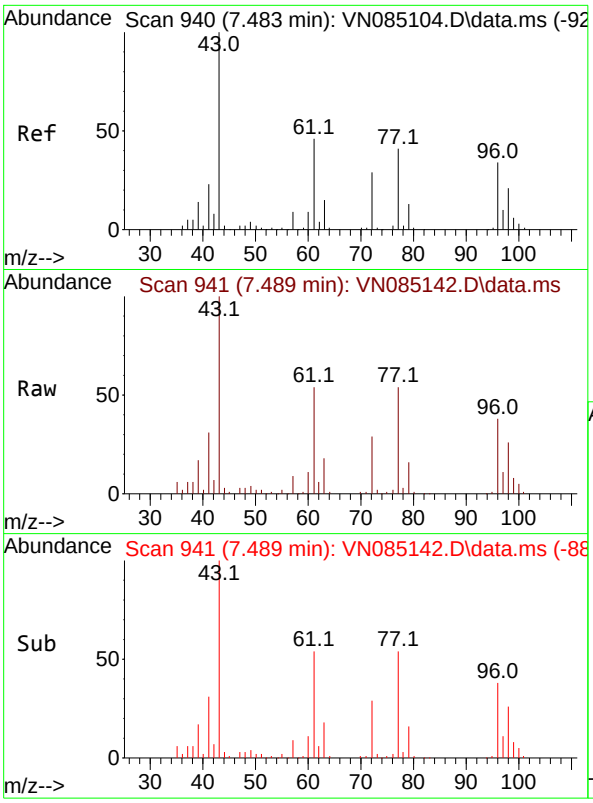


#26
2,2-Dichloropropane
Concen: 46.682 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 77 Resp: 159044

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.9	32.7



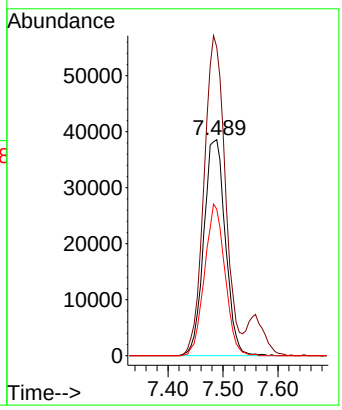


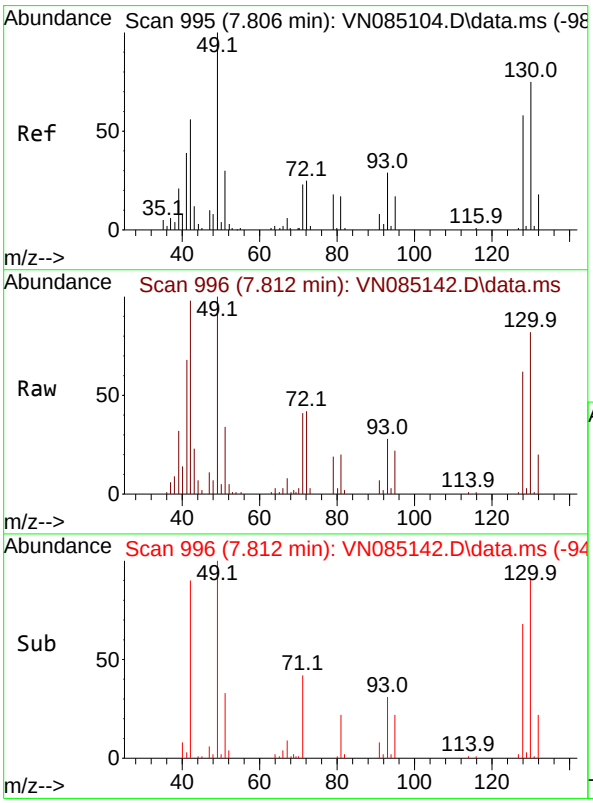
#27
cis-1,2-Dichloroethene
Concen: 46.131 ug/l
RT: 7.489 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 105165

Ion	Ratio	Lower	Upper
96	100		
61	145.9	0.0	291.6
98	66.4	0.0	129.8

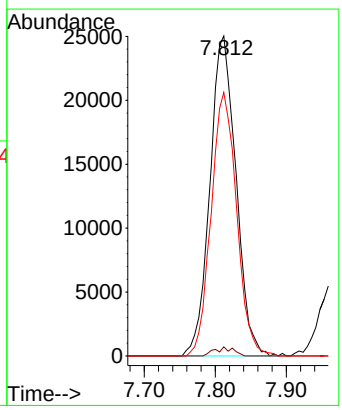


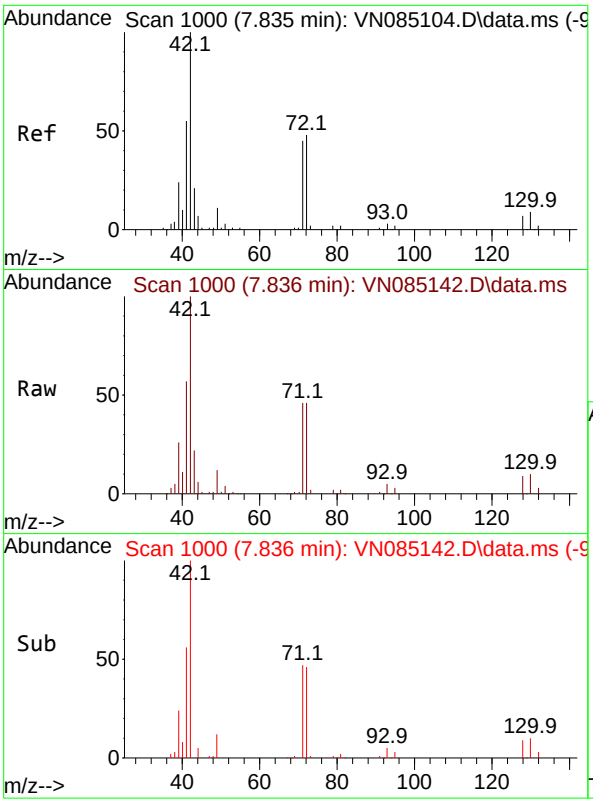


#28
Bromochloromethane
Concen: 46.274 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 49 Resp: 63733

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	80.5	60.6	90.8



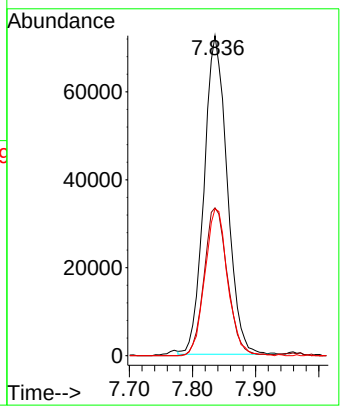


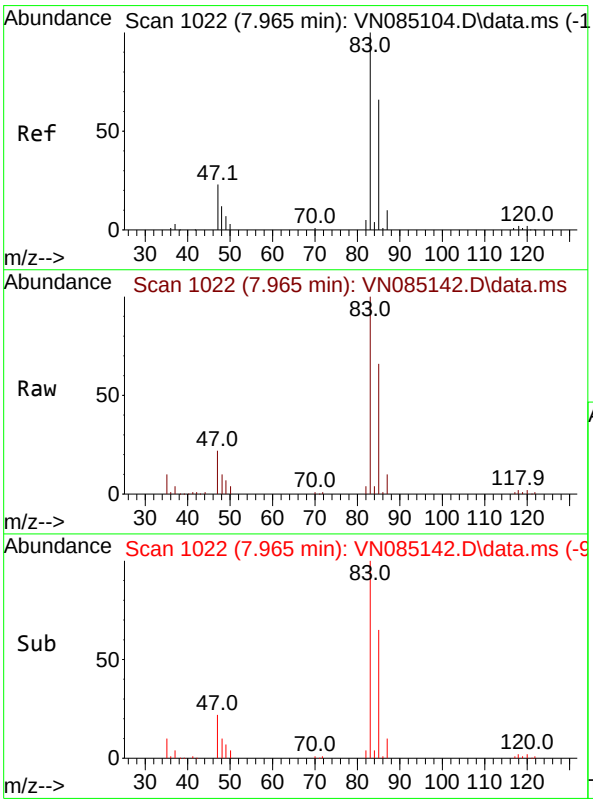
#29
Tetrahydrofuran
Concen: 257.747 ug/l
RT: 7.836 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 184053

Ion	Ratio	Lower	Upper
42	100		
72	46.9	37.0	55.4
71	45.6	35.0	52.4

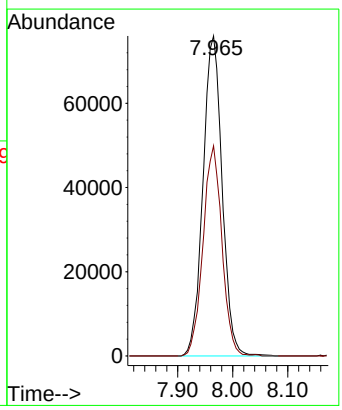


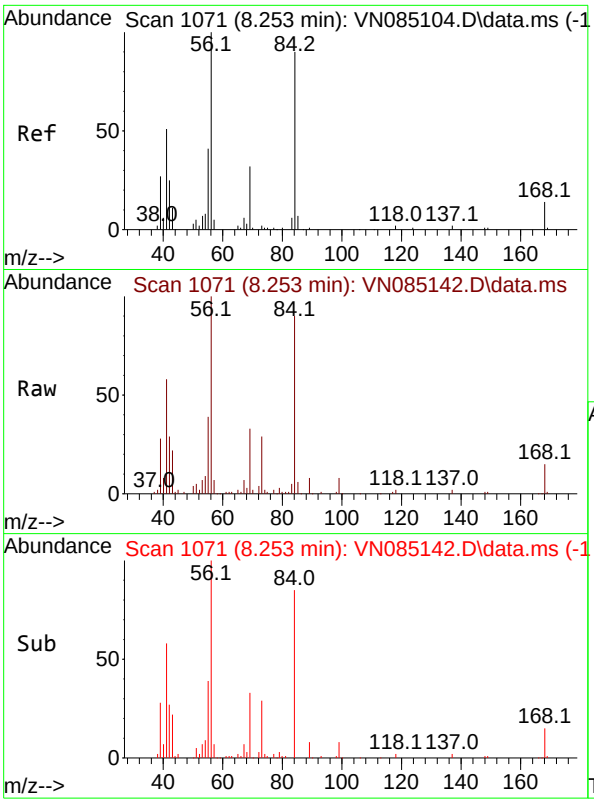


#30
Chloroform
Concen: 47.401 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 83 Resp: 183970

Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.6	78.8



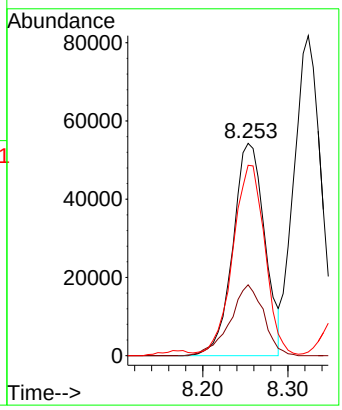


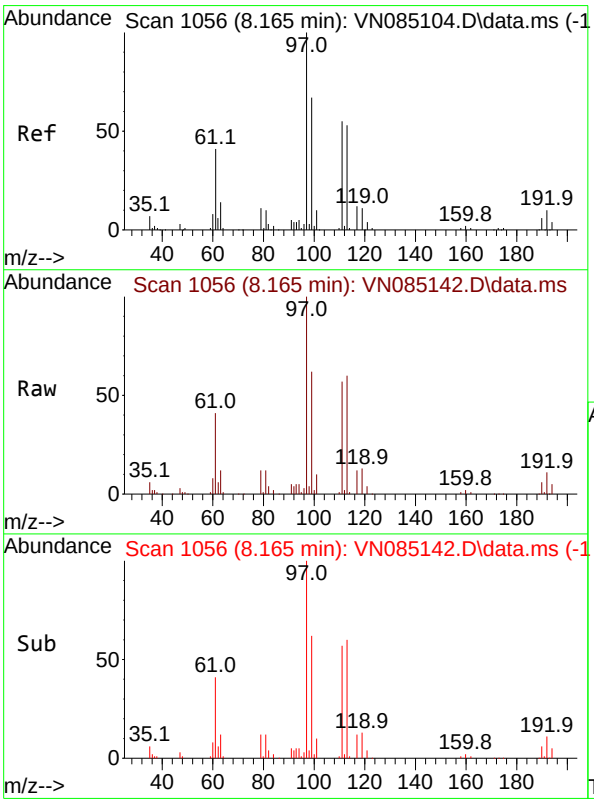
#31
Cyclohexane
Concen: 43.877 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 140953

Ion	Ratio	Lower	Upper
56	100		
69	33.4	24.6	36.8
84	87.4	71.4	107.2

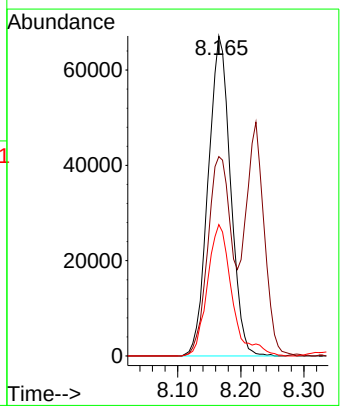


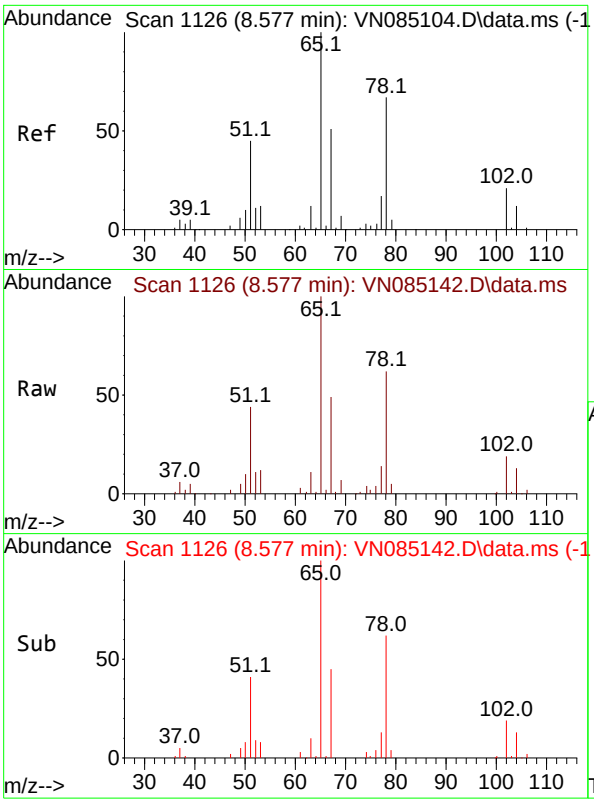


#32
1,1,1-Trichloroethane
Concen: 47.089 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 97 Resp: 165151

Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.0	76.4
61	45.1	36.2	54.2



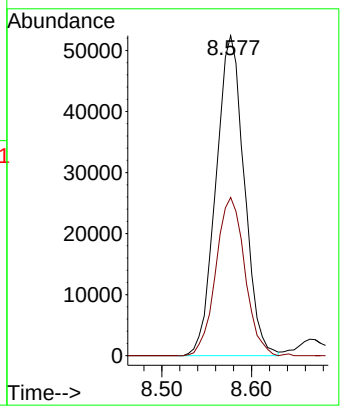


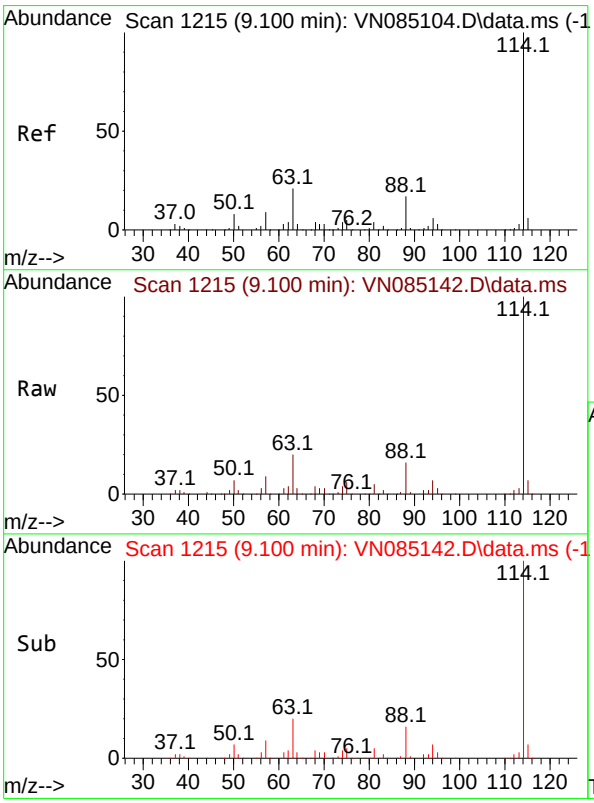
#33
1,2-Dichloroethane-d4
Concen: 47.569 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 114719

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	105.0

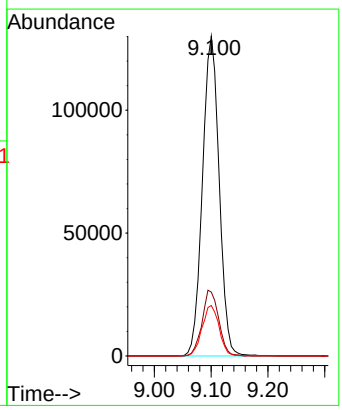


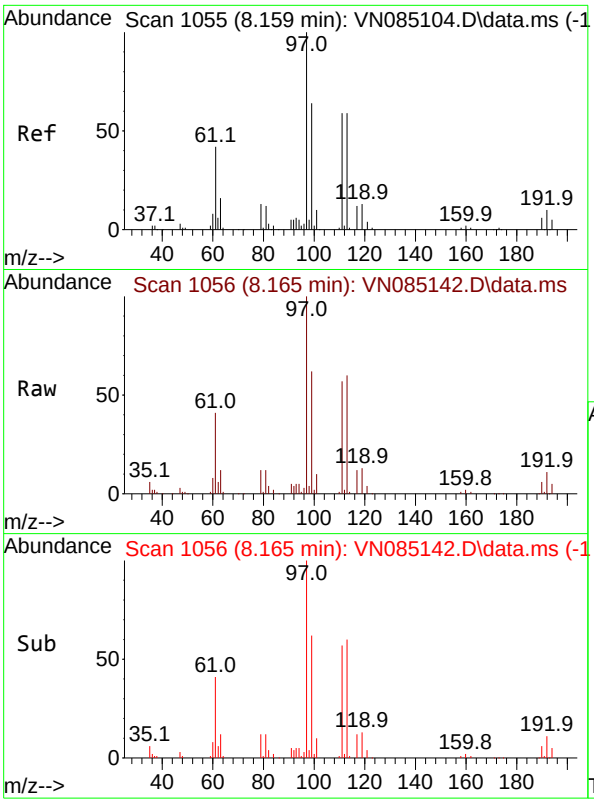


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:114 Resp: 265126

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	41.0
88	15.8	0.0	34.8



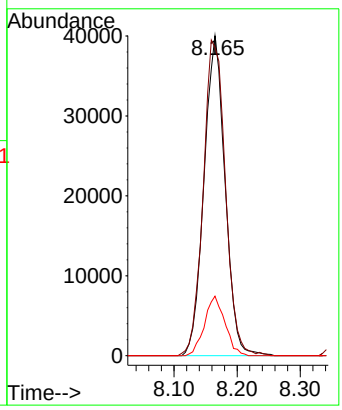


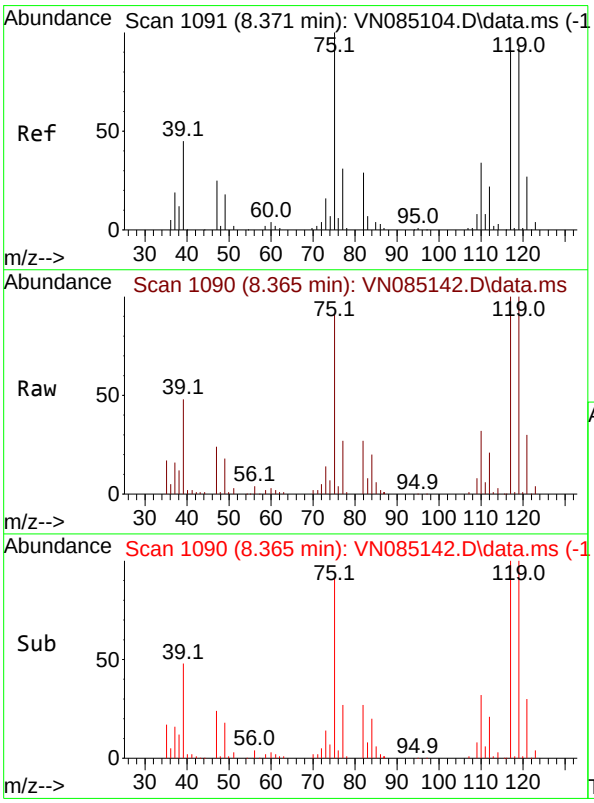
#35
Dibromofluoromethane
Concen: 51.885 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 92766

Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.0	123.0
192	18.1	14.8	22.2

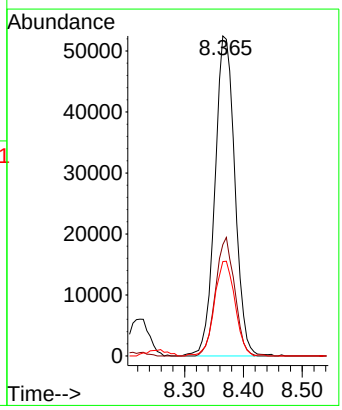


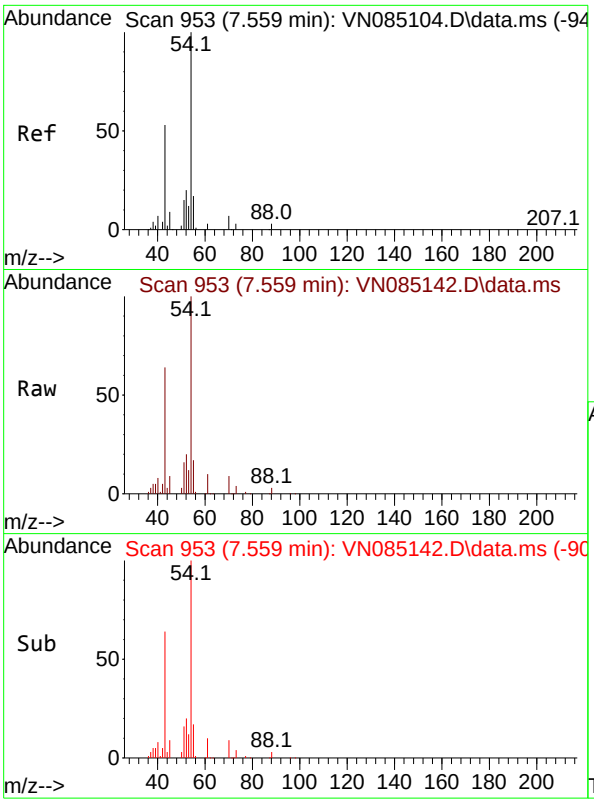


#36
1,1-Dichloropropene
Concen: 51.043 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 75 Resp: 123613

Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.2	51.6
77	30.7	24.2	36.4



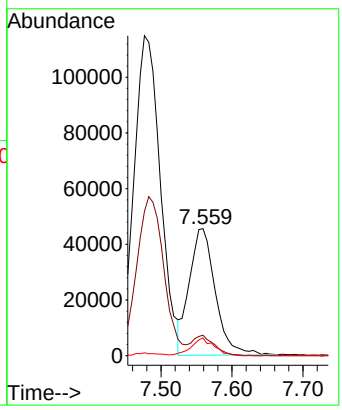


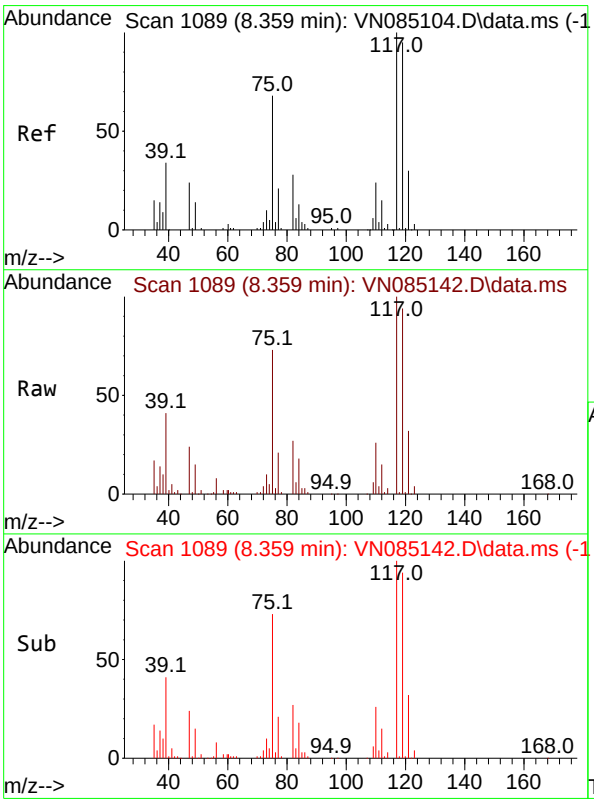
#37
Ethyl Acetate
Concen: 52.778 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 116196

Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.7	17.5
70	12.2	9.3	13.9

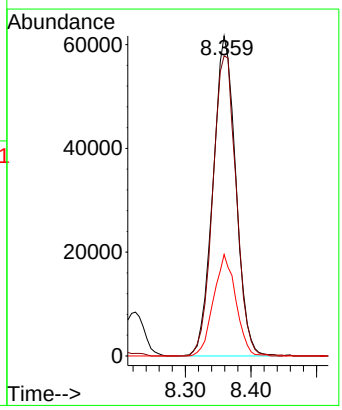


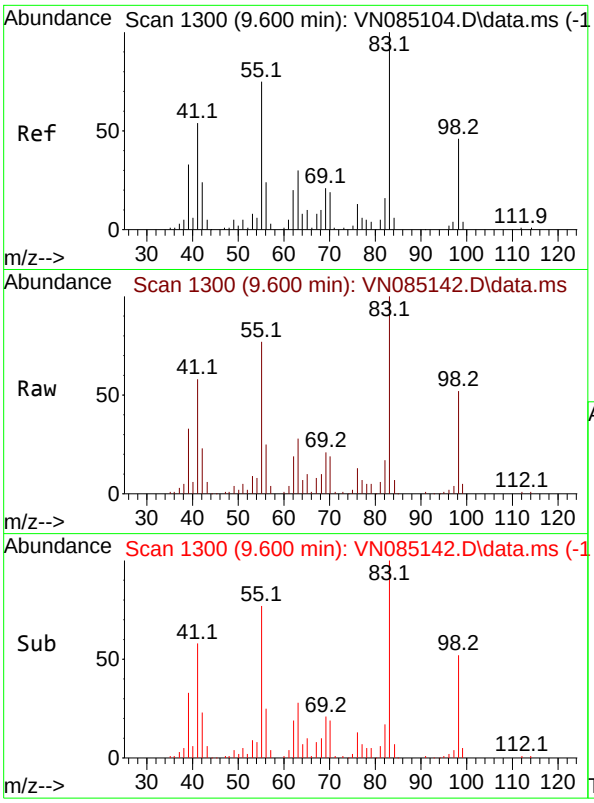


#38
Carbon Tetrachloride
Concen: 53.041 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:117 Resp: 148269

Ion	Ratio	Lower	Upper
117	100		
119	93.8	78.6	117.8
121	31.7	24.2	36.2



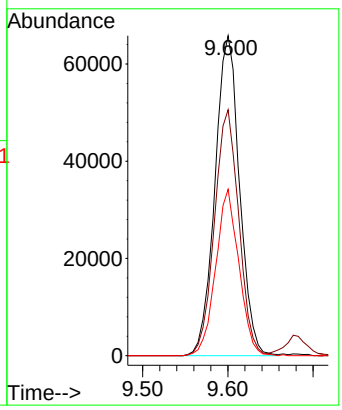


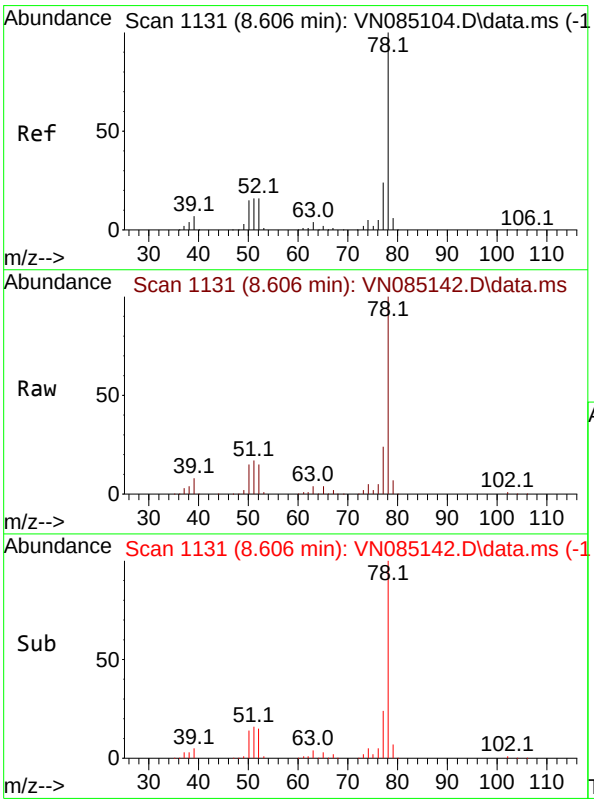
#39
Methylcyclohexane
Concen: 52.424 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 131927

Ion	Ratio	Lower	Upper
83	100		
55	76.8	61.8	92.6
98	52.0	37.0	55.6

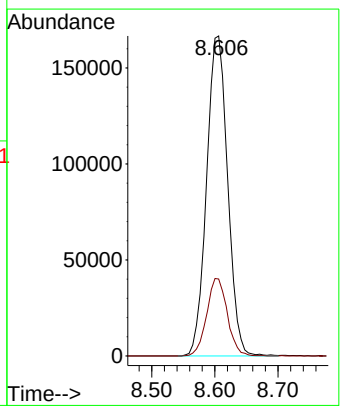


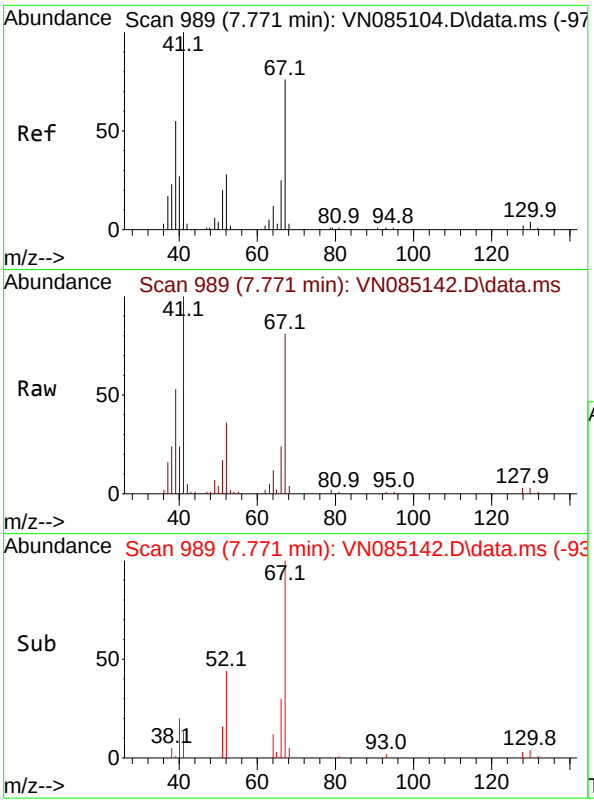


#40
Benzene
Concen: 50.434 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 78 Resp: 386295

Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.5	27.7



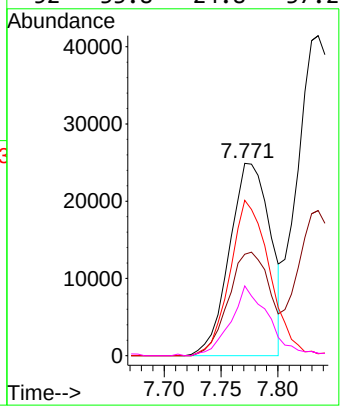


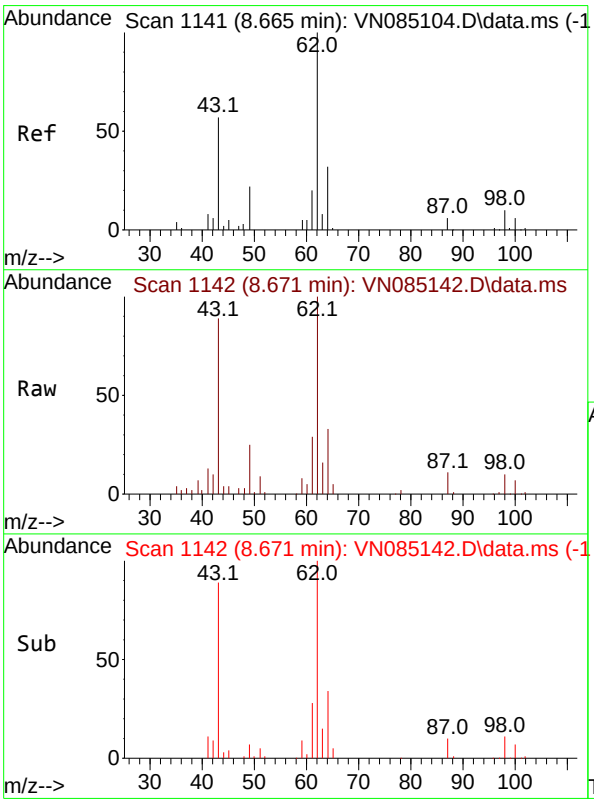
#41
Methacrylonitrile
Concen: 51.058 ug/l
RT: 7.771 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 62238

Ion	Ratio	Lower	Upper
41	100		
39	54.3	42.6	63.8
67	79.1	59.9	89.9
52	33.8	24.8	37.2

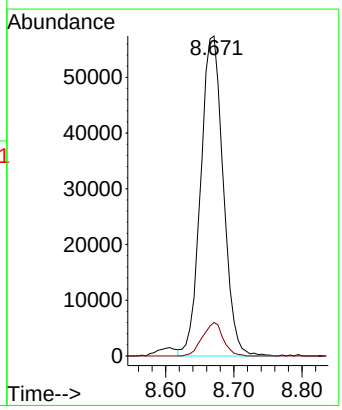


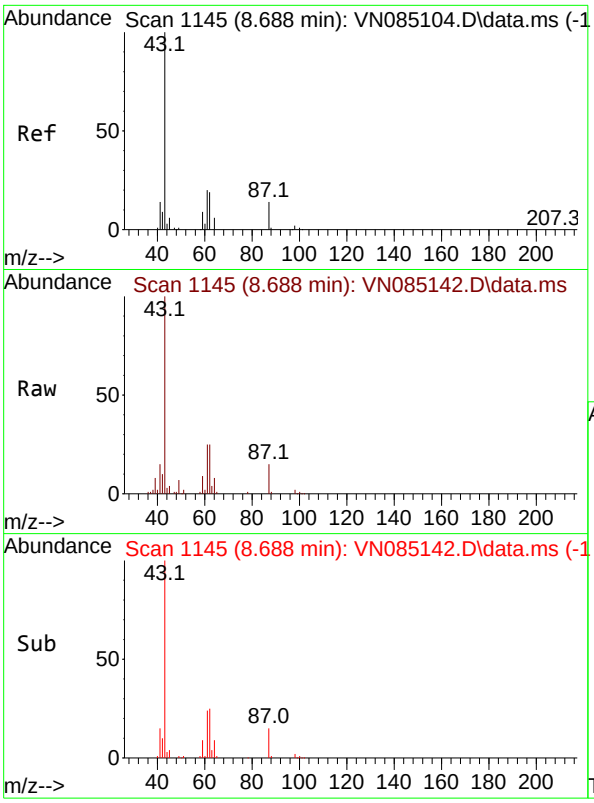


#42
1,2-Dichloroethane
Concen: 50.412 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 62 Resp: 132099

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.2



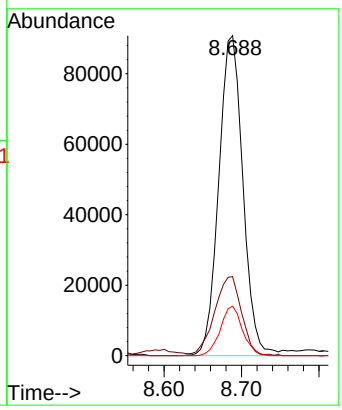


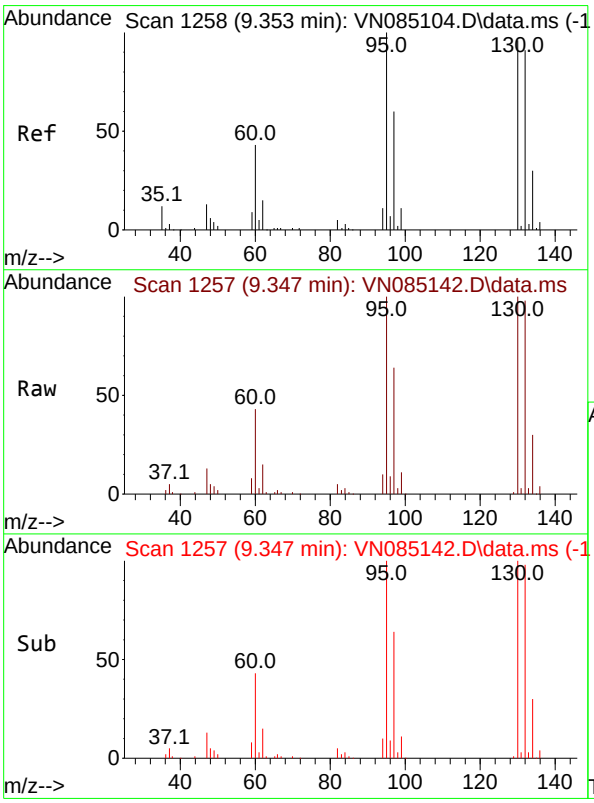
#43
Isopropyl Acetate
Concen: 43.006 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 196670

Ion	Ratio	Lower	Upper
43	100		
61	27.6	20.6	30.8
87	14.2	11.0	16.4

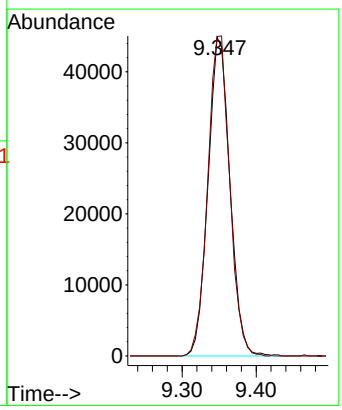


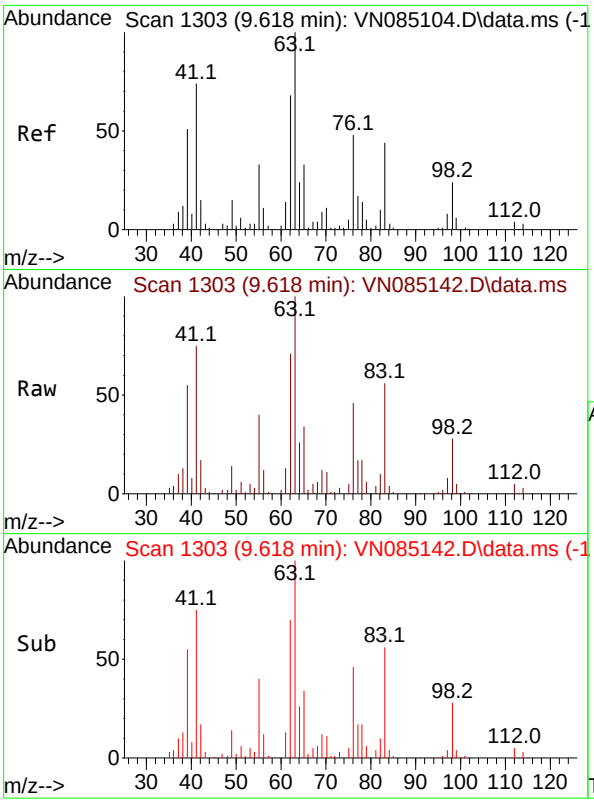


#44
Trichloroethene
Concen: 51.660 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:130 Resp: 91956

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	213.4



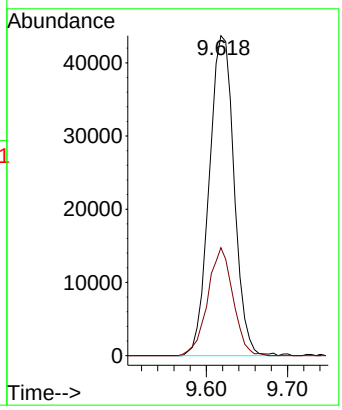


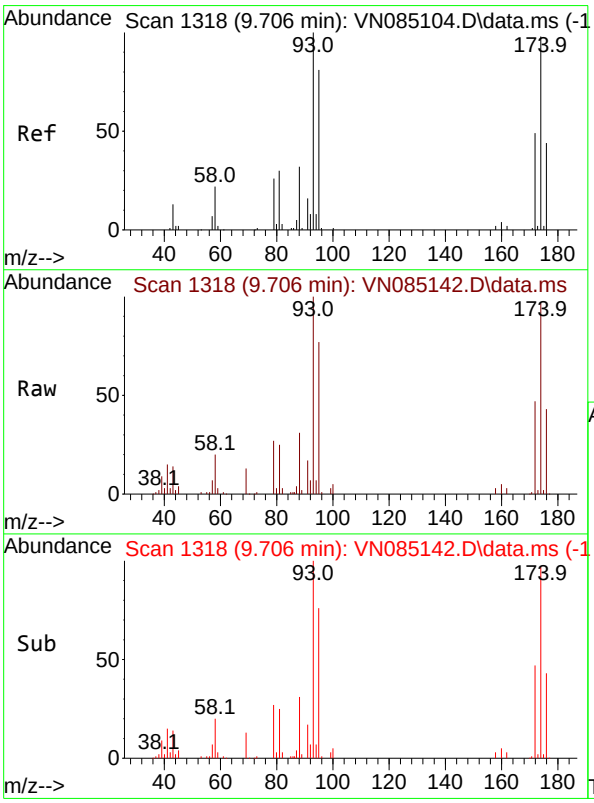
#45
1,2-Dichloropropane
Concen: 49.272 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 92953

Ion	Ratio	Lower	Upper
63	100		
65	33.8	24.0	36.0

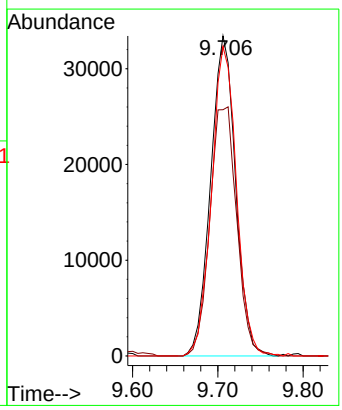


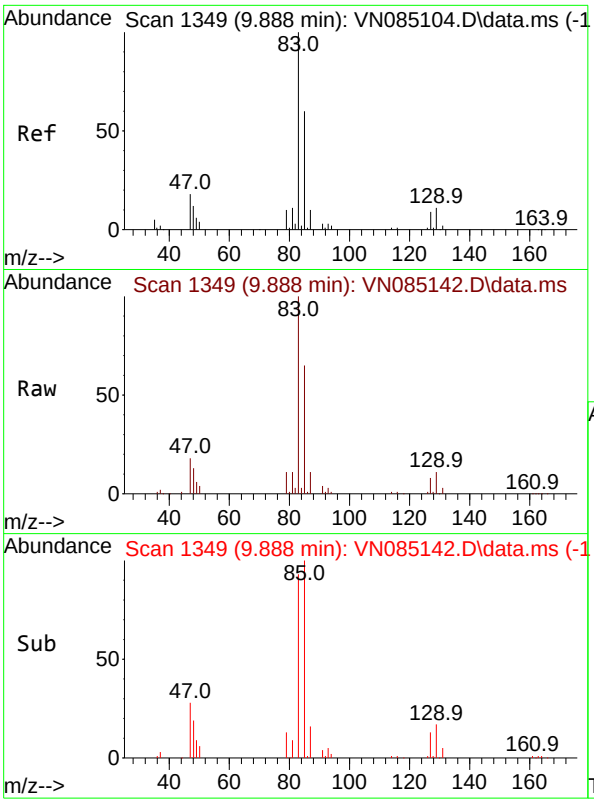


#46
Dibromomethane
Concen: 51.870 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 93 Resp: 67996

Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.2	99.4
174	96.4	74.9	112.3



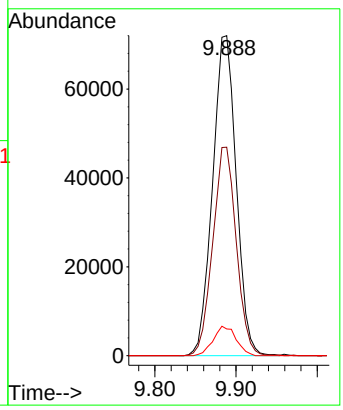


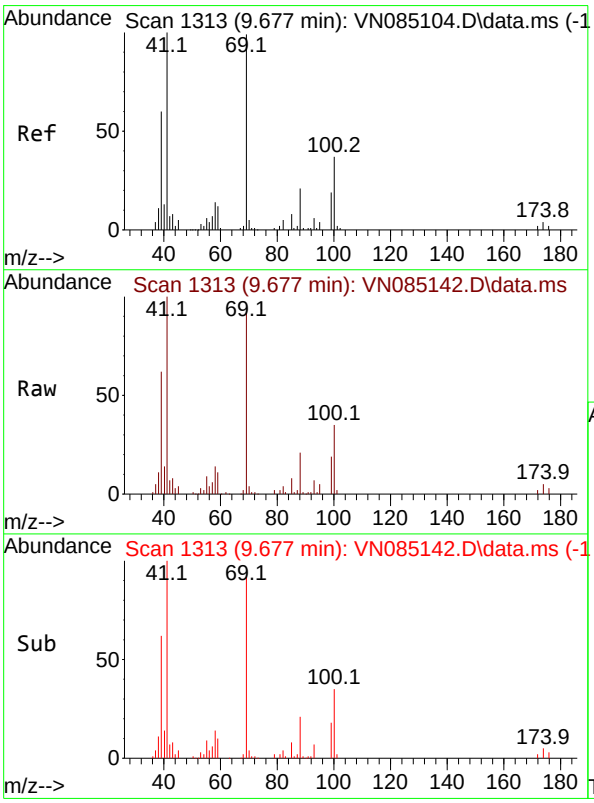
#47
Bromodichloromethane
Concen: 52.456 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 145741

Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.5	75.7
127	8.3	7.1	10.7

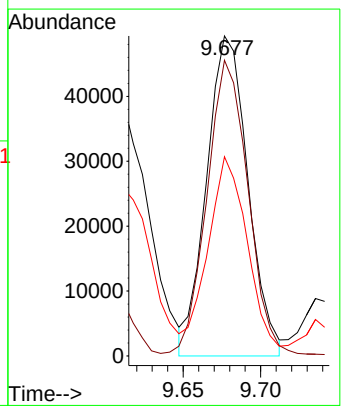


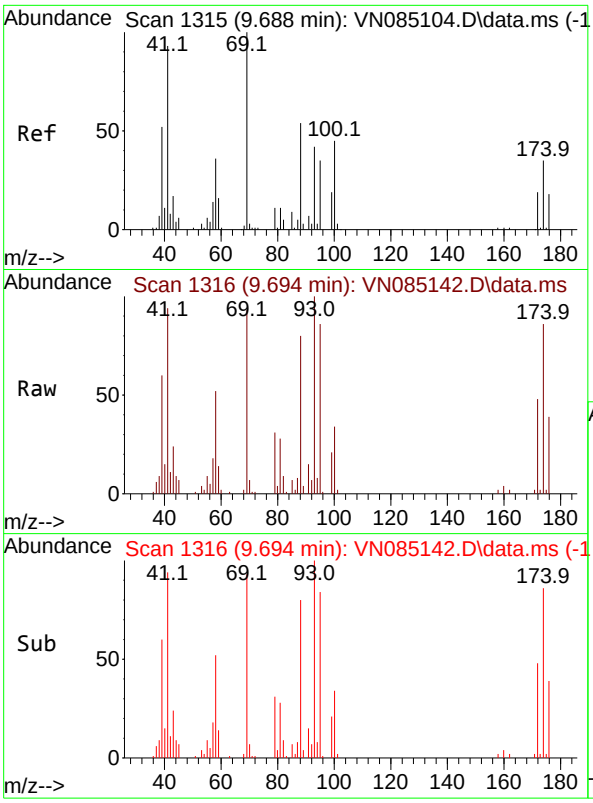


#48
Methyl methacrylate
Concen: 53.750 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 41 Resp: 91470

Ion	Ratio	Lower	Upper
41	100		
69	92.6	73.2	109.8
39	60.3	46.2	69.4



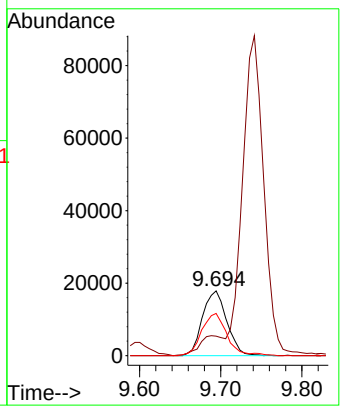


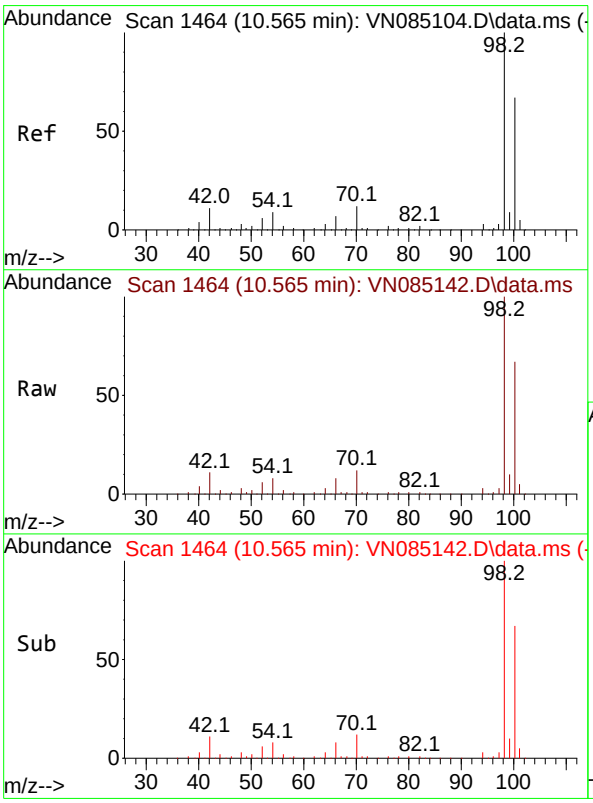
#49
1,4-Dioxane
Concen: 1260.284 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 37193

Ion	Ratio	Lower	Upper
88	100		
43	32.2	16.7	25.1#
58	67.9	56.5	84.7

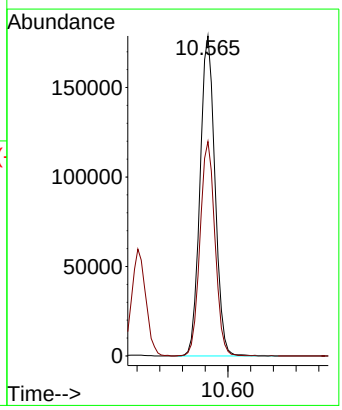


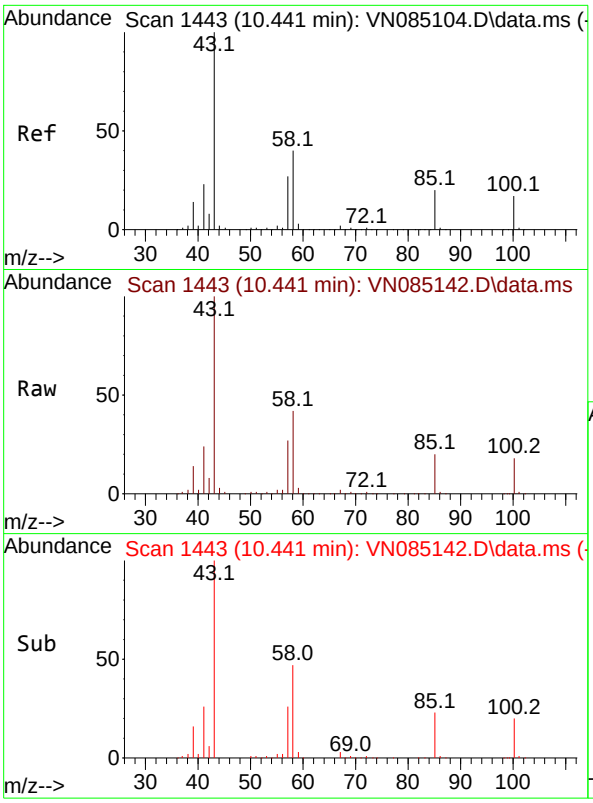


#50
Toluene-d8
Concen: 50.960 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 98 Resp: 326526

Ion	Ratio	Lower	Upper
98	100		
100	67.1	52.5	78.7



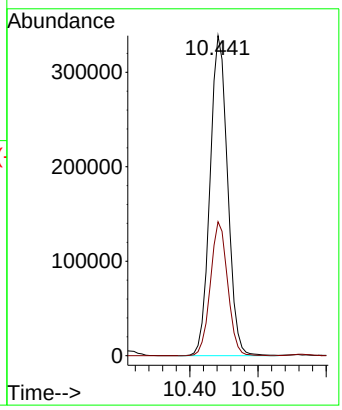


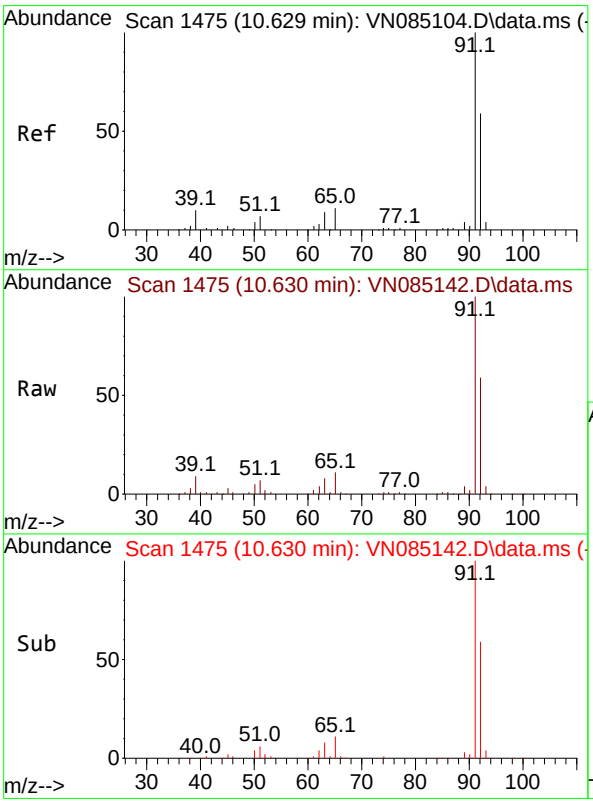
#51
4-Methyl-2-Pentanone
Concen: 291.377 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 608624

Ion	Ratio	Lower	Upper
43	100		
58	41.0	32.1	48.1

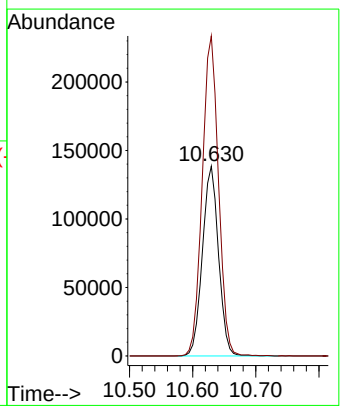


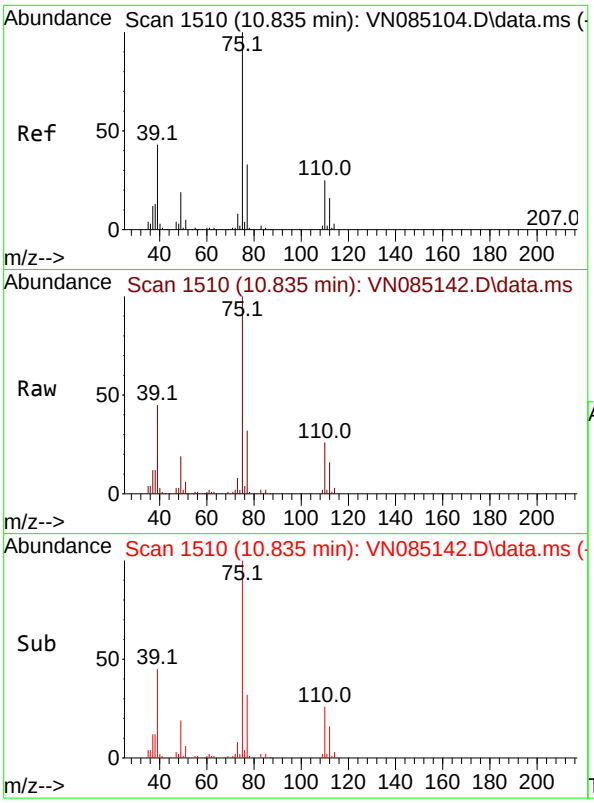


#52
Toluene
Concen: 54.081 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 92 Resp: 245225

Ion	Ratio	Lower	Upper
92	100		
91	170.5	136.7	205.1



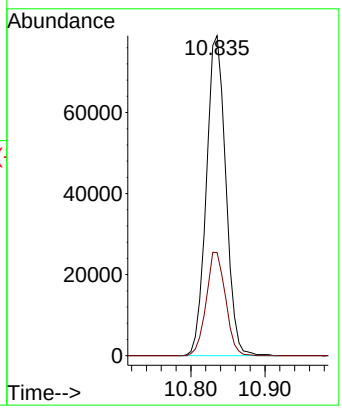


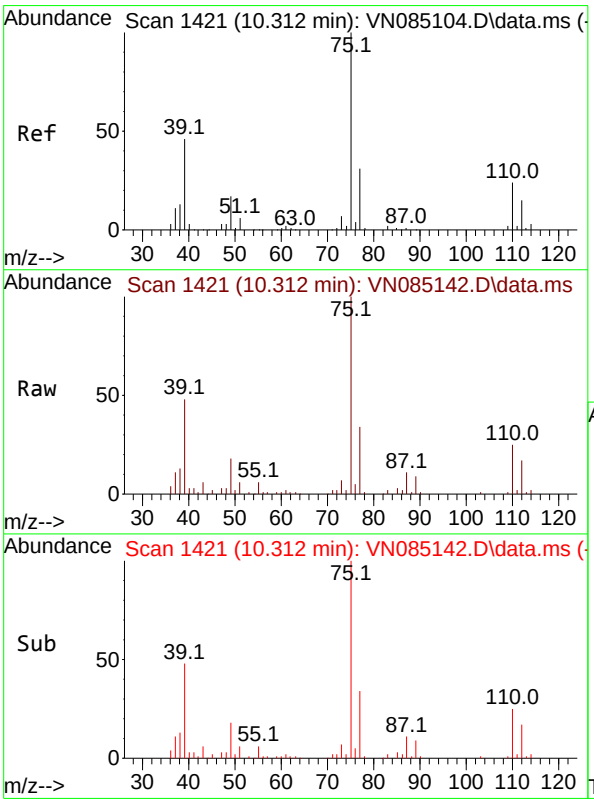
#53
t-1,3-Dichloropropene
Concen: 51.589 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 143697

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.0	37.4

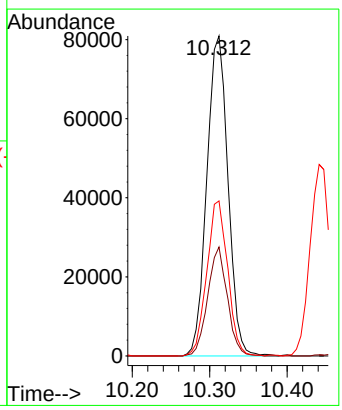


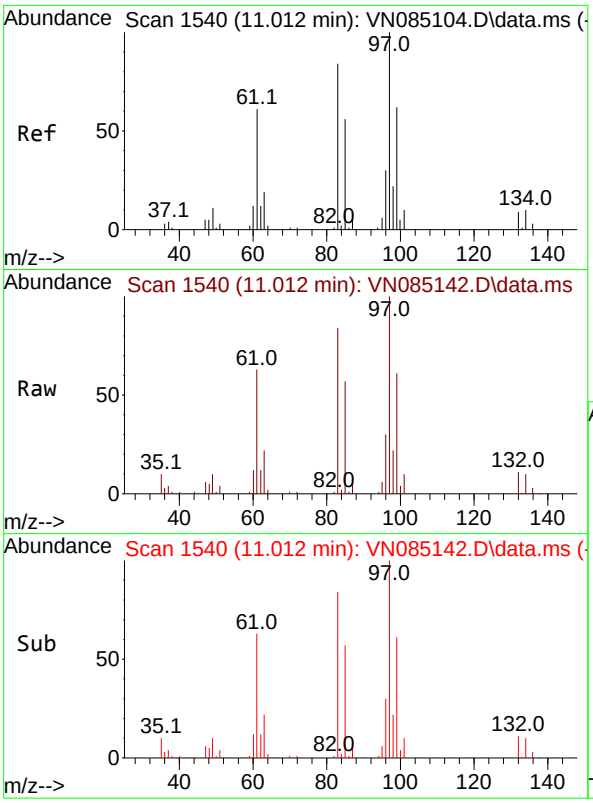


#54
cis-1,3-Dichloropropene
Concen: 51.984 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 75 Resp: 153615

Ion	Ratio	Lower	Upper
75	100		
77	34.0	25.0	37.4
39	48.4	37.6	56.4



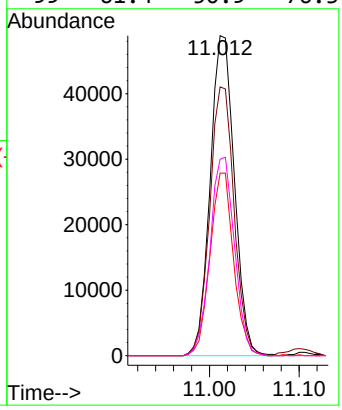


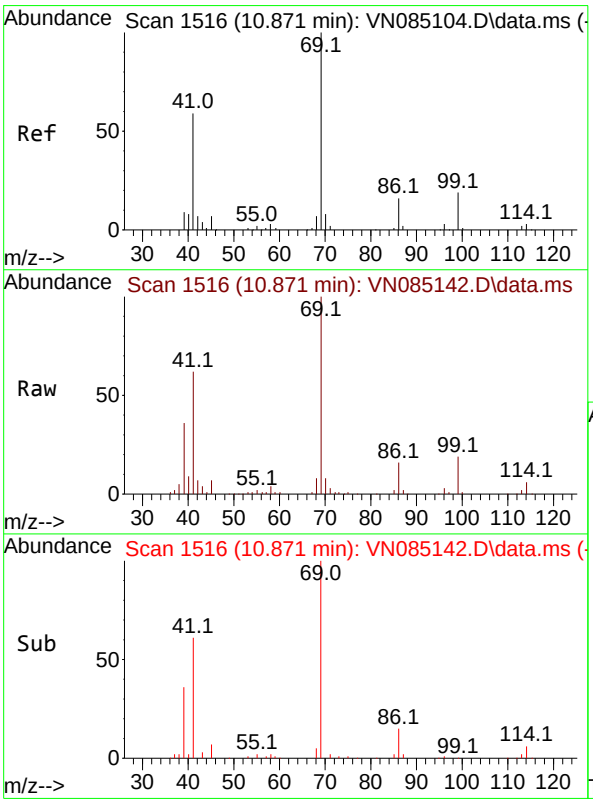
#55
1,1,2-Trichloroethane
Concen: 54.241 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 91610

Ion	Ratio	Lower	Upper
97	100		
83	84.0	67.4	101.2
85	57.0	43.1	64.7
99	61.4	50.9	76.3

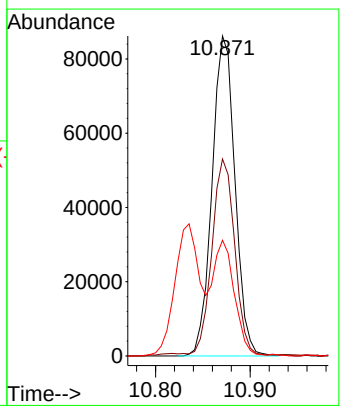


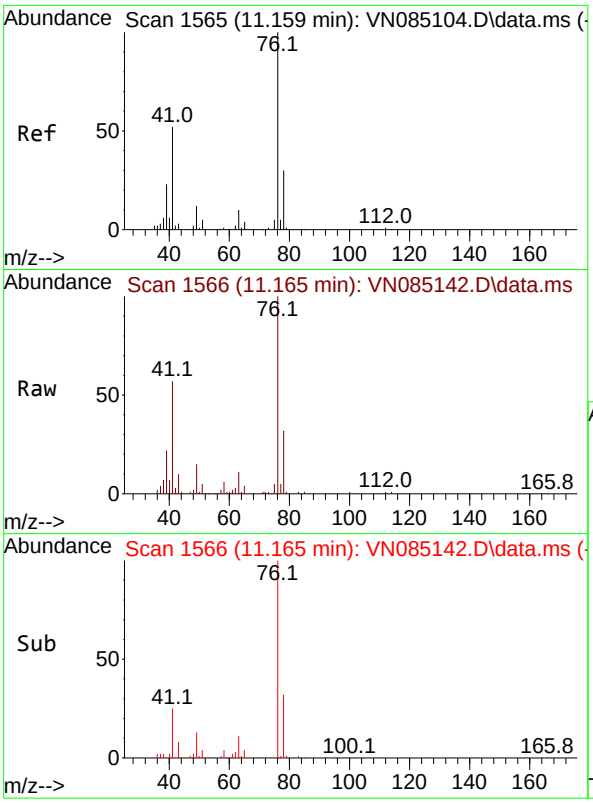


#56
Ethyl methacrylate
Concen: 58.759 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 69 Resp: 145017

Ion	Ratio	Lower	Upper
69	100		
41	60.6	50.0	75.0
39	33.6	27.0	40.6



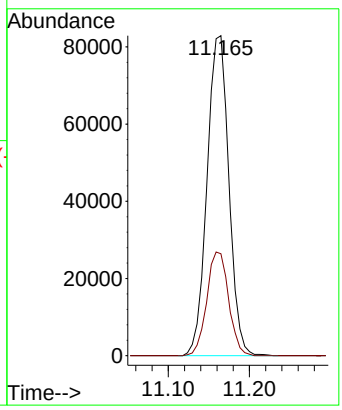


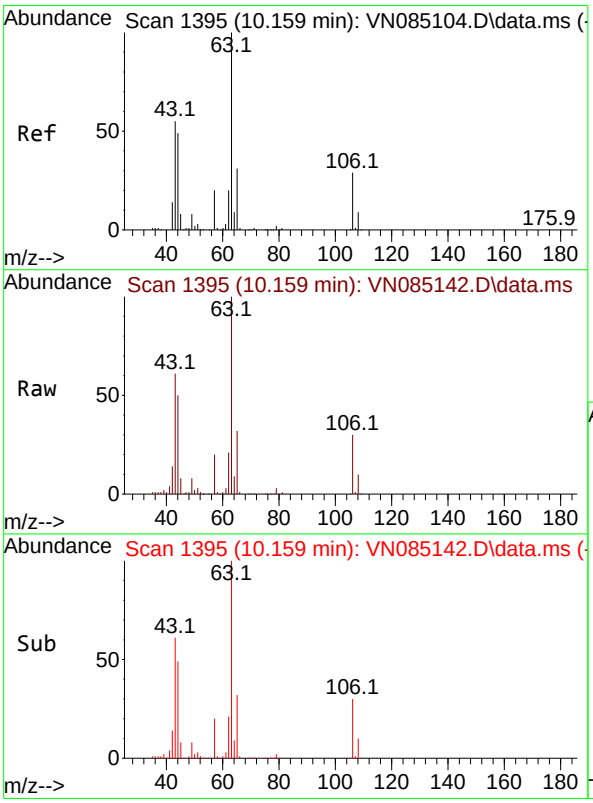
#57
1,3-Dichloropropane
Concen: 52.074 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 154792

Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.1	39.1

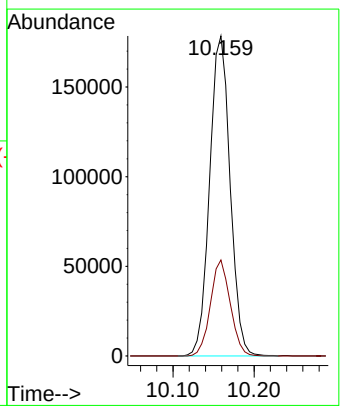


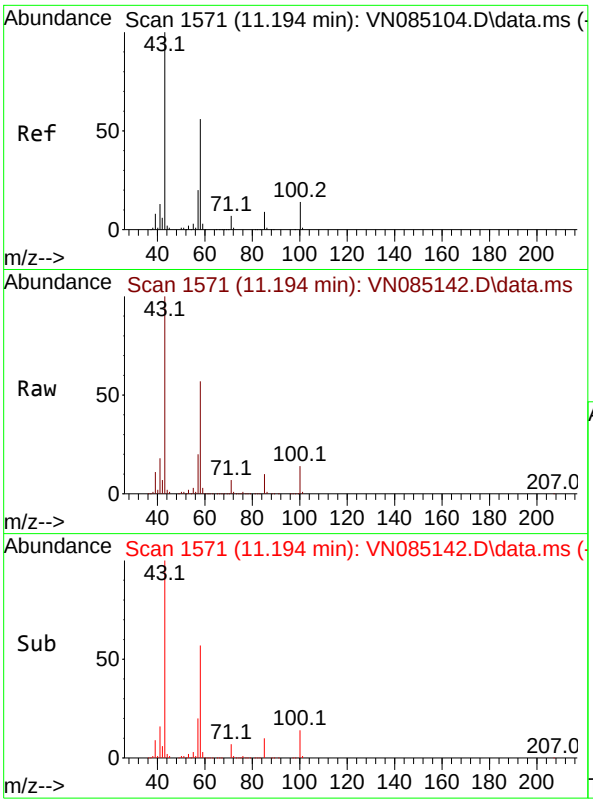


#58
2-Chloroethyl Vinyl ether
Concen: 258.243 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 63 Resp: 312633

Ion	Ratio	Lower	Upper
63	100		
106	29.0	23.0	34.6



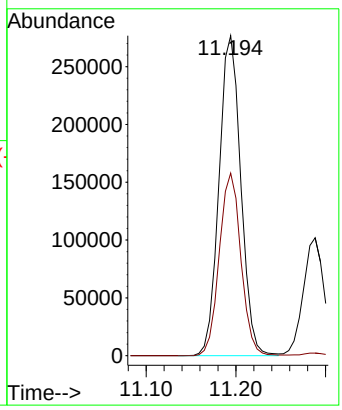


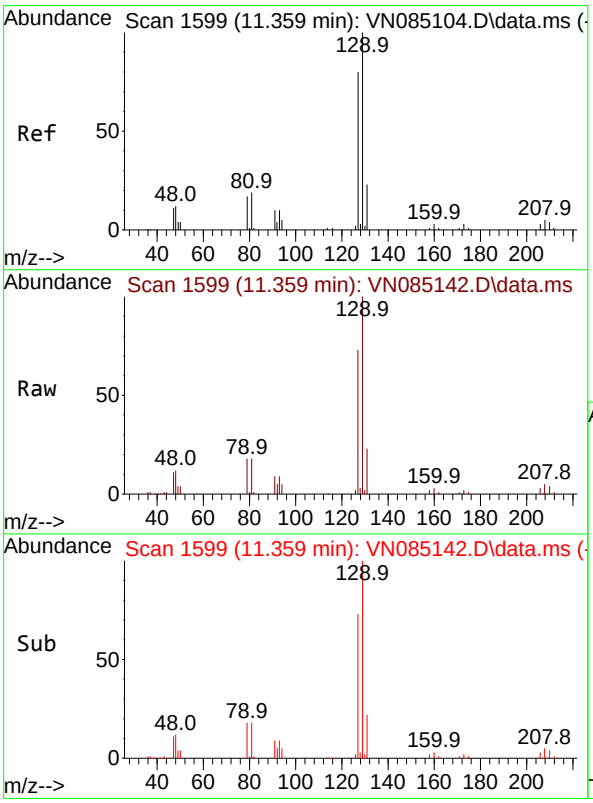
#59
2-Hexanone
Concen: 299.229 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 467460

Ion	Ratio	Lower	Upper
43	100		
58	56.5	28.3	85.0

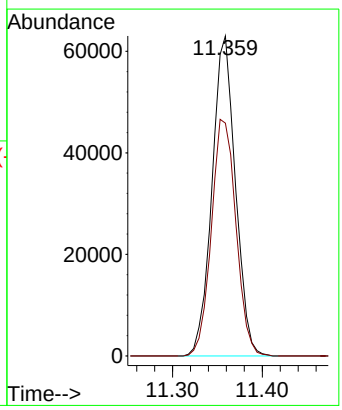


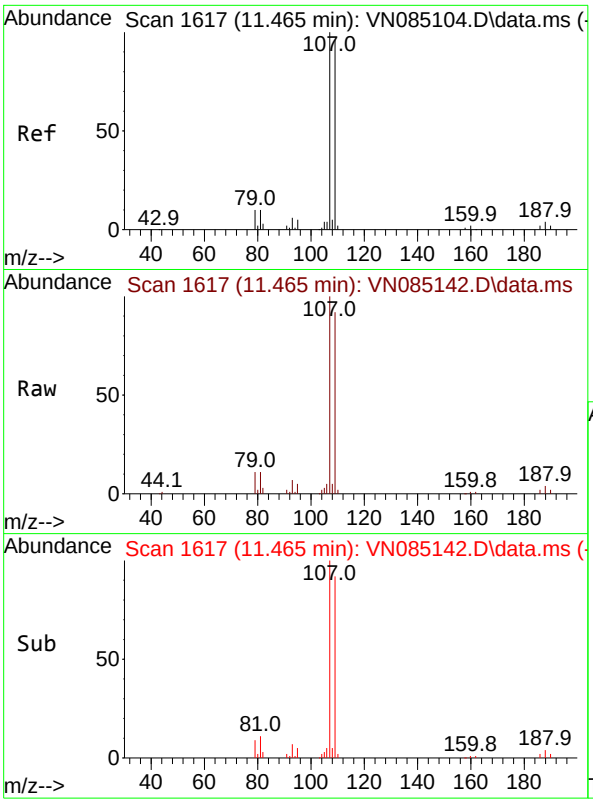


#60
Dibromochloromethane
Concen: 55.238 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:129 Resp: 114019

Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.2	117.6



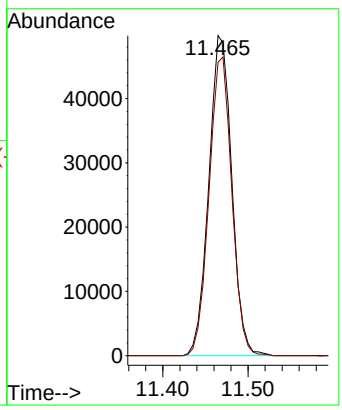


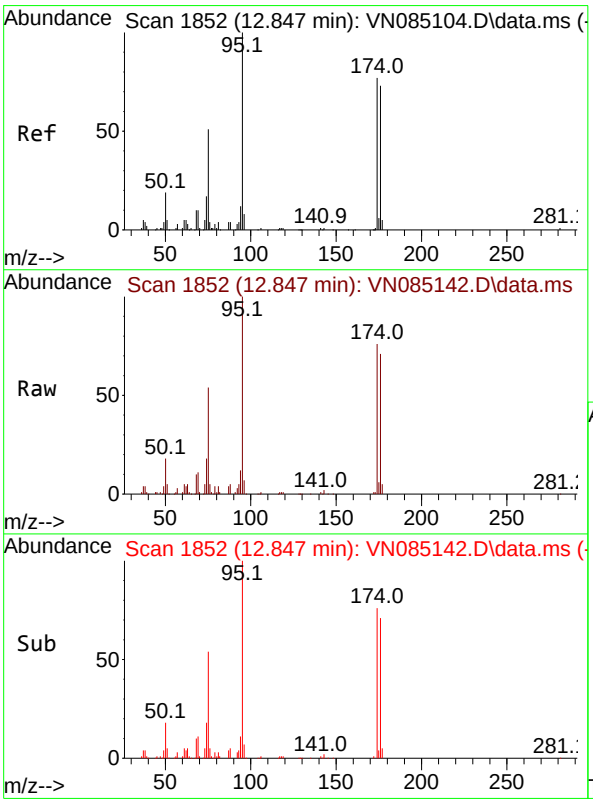
#61
1,2-Dibromoethane
Concen: 53.317 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 93195

Ion	Ratio	Lower	Upper
107	100		
109	92.3	76.1	114.1

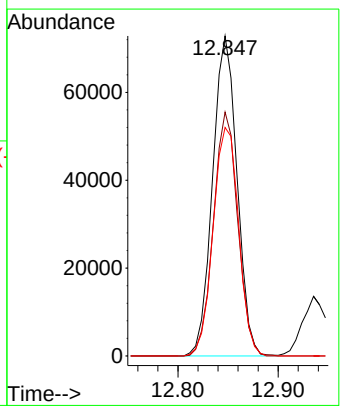


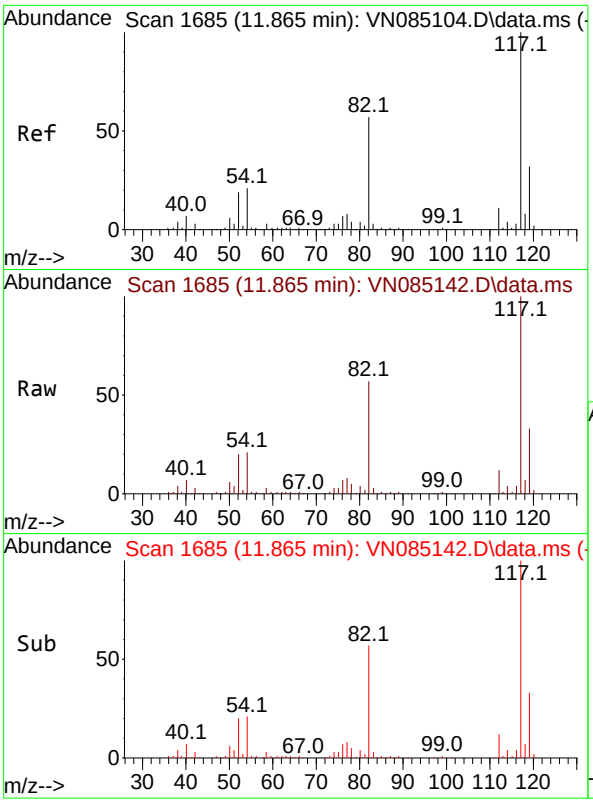


#62
4-Bromofluorobenzene
Concen: 51.412 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 95 Resp: 123192

Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	146.6
176	74.5	0.0	141.8



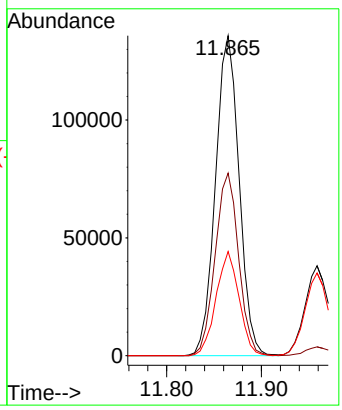


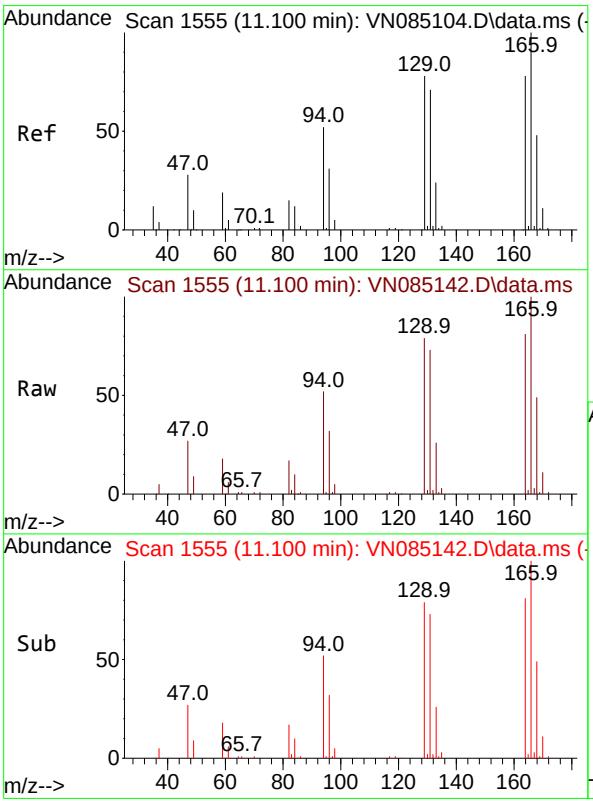
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 235660

Ion	Ratio	Lower	Upper
117	100		
82	57.1	46.0	69.0
119	32.6	25.6	38.4

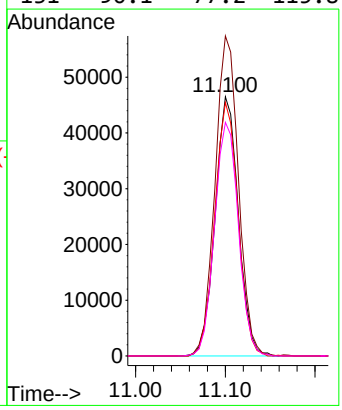


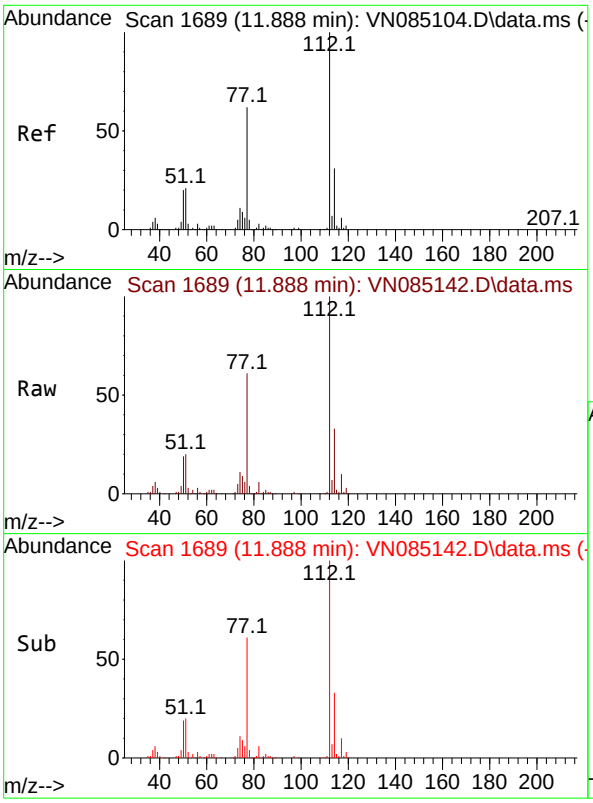


#64
Tetrachloroethene
Concen: 52.620 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:164 Resp: 83557

Ion	Ratio	Lower	Upper
164	100		
166	123.5	100.6	151.0
129	97.8	77.7	116.5
131	90.1	77.2	115.8



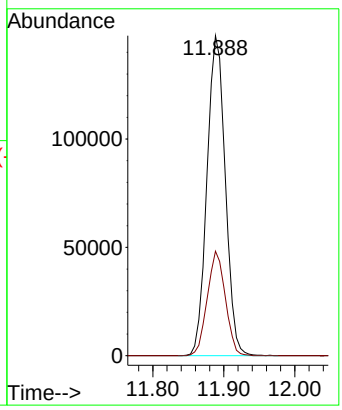


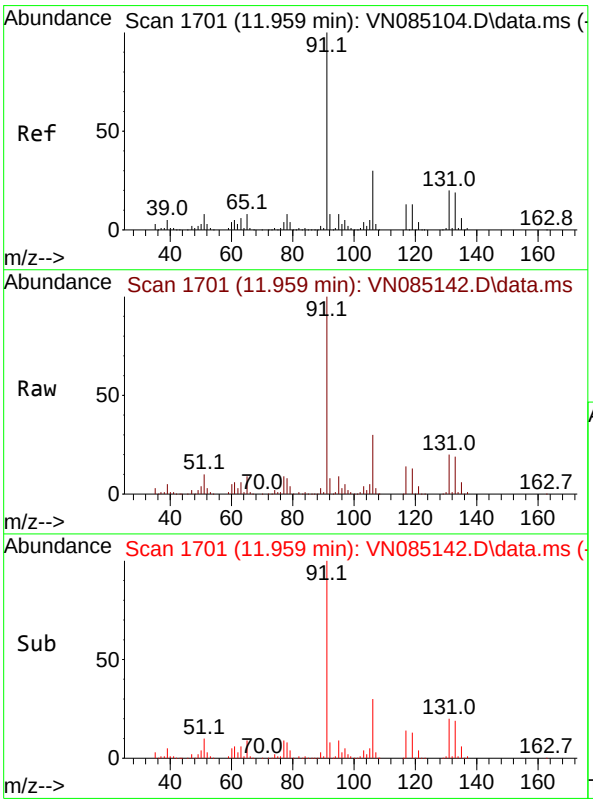
#65
Chlorobenzene
Concen: 49.550 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 264819

Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.8	38.6

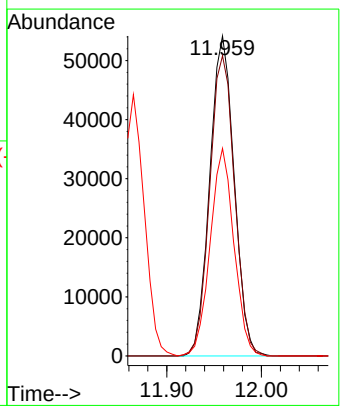


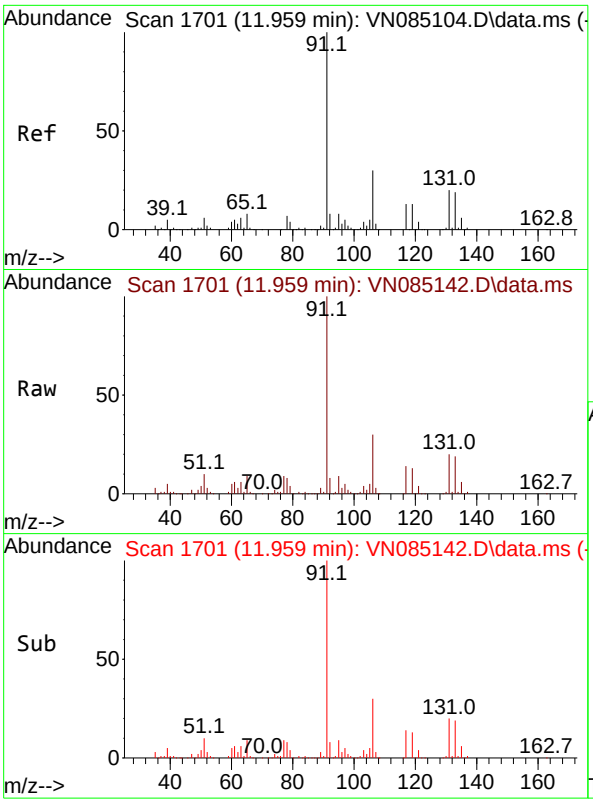


#66
1,1,1,2-Tetrachloroethane
Concen: 51.493 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:131 Resp: 96896

Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.8	143.4
119	63.3	32.1	96.3



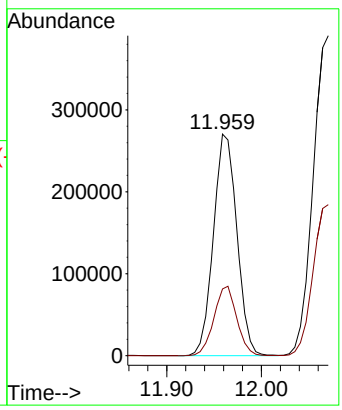


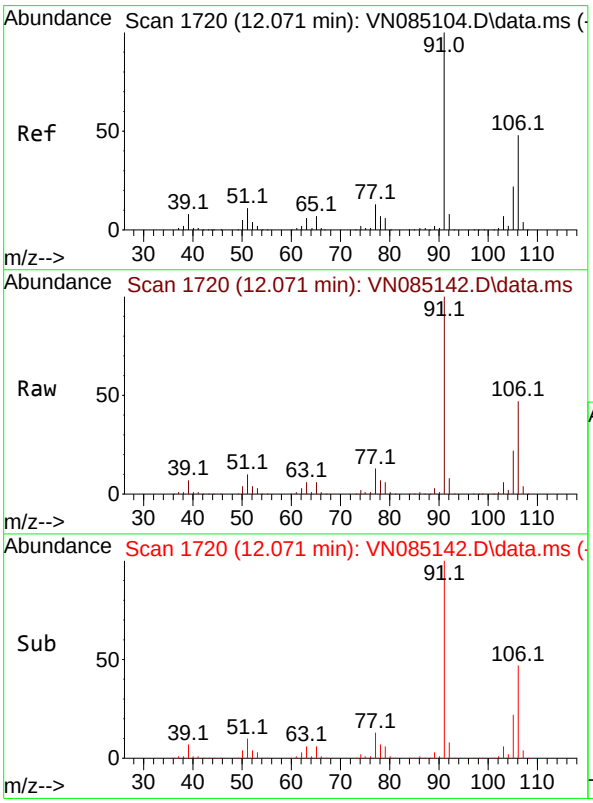
#67
Ethyl Benzene
Concen: 53.779 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 466309

Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.7	37.1

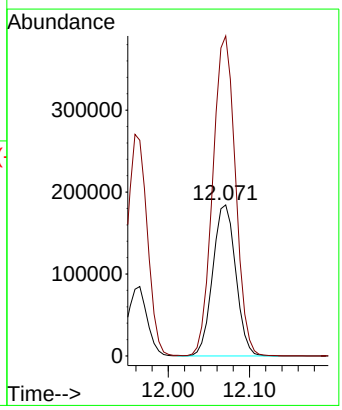


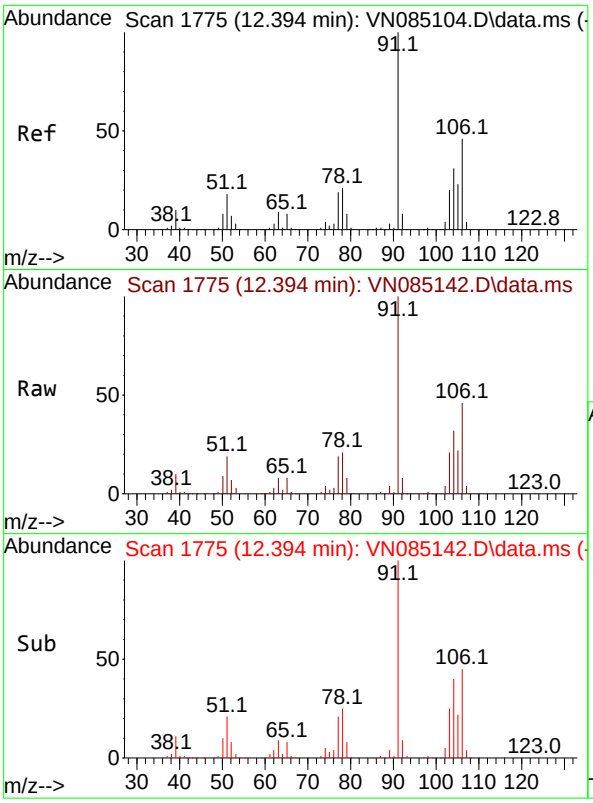


#68
m/p-Xylenes
Concen: 109.841 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:106 Resp: 362598

Ion	Ratio	Lower	Upper
106	100		
91	209.6	168.0	252.0



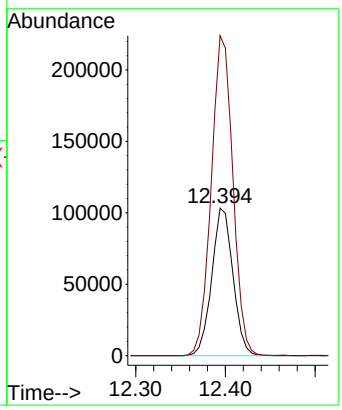


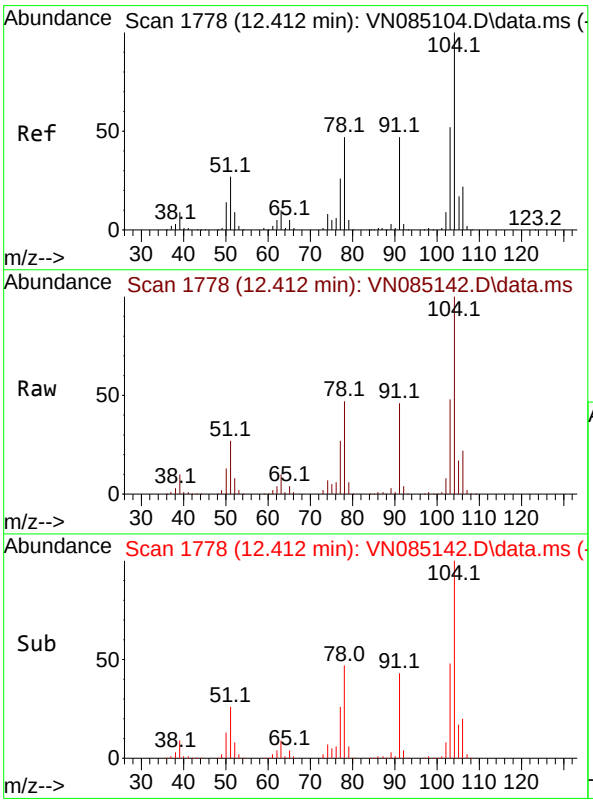
#69
o-Xylene
Concen: 53.945 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 169397

Ion	Ratio	Lower	Upper
106	100		
91	221.5	110.7	331.9

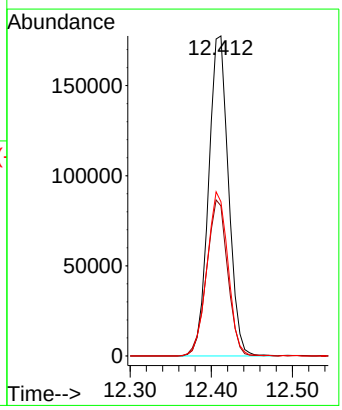


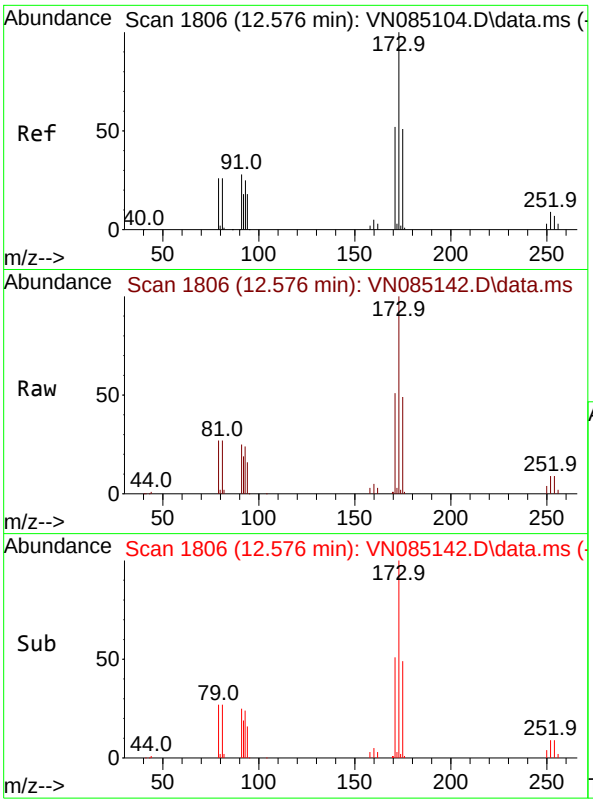


#70
Styrene
Concen: 57.790 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:104 Resp: 301784

Ion	Ratio	Lower	Upper
104	100		
78	51.7	42.3	63.5
103	54.2	44.2	66.2



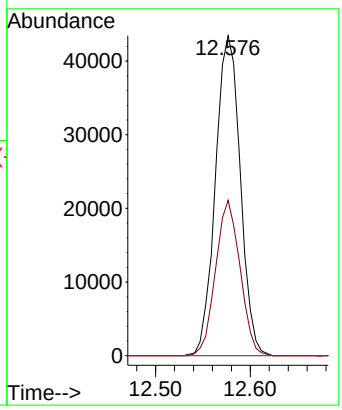


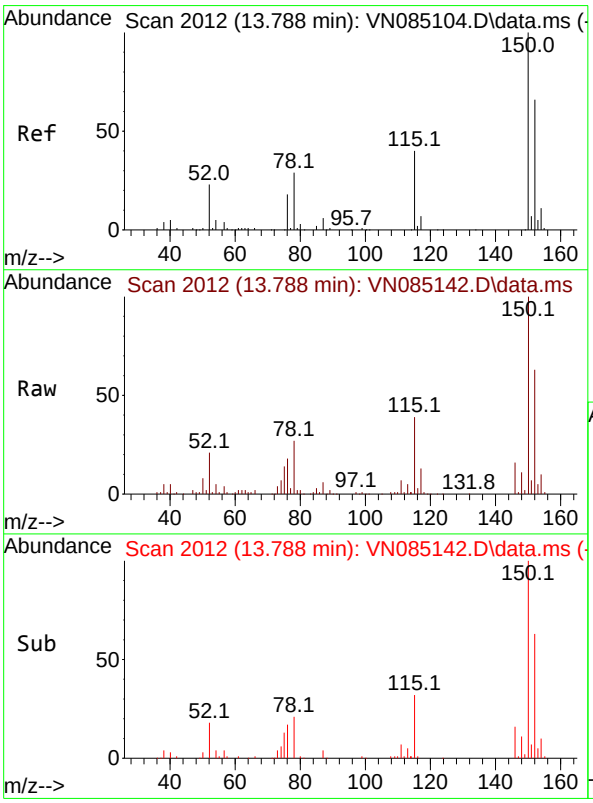
#71
Bromoform
Concen: 56.742 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 79256

Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.8	71.2
254	0.0	0.0	0.0

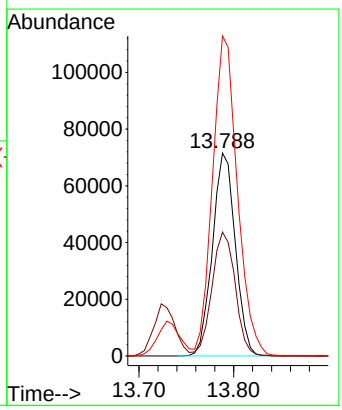


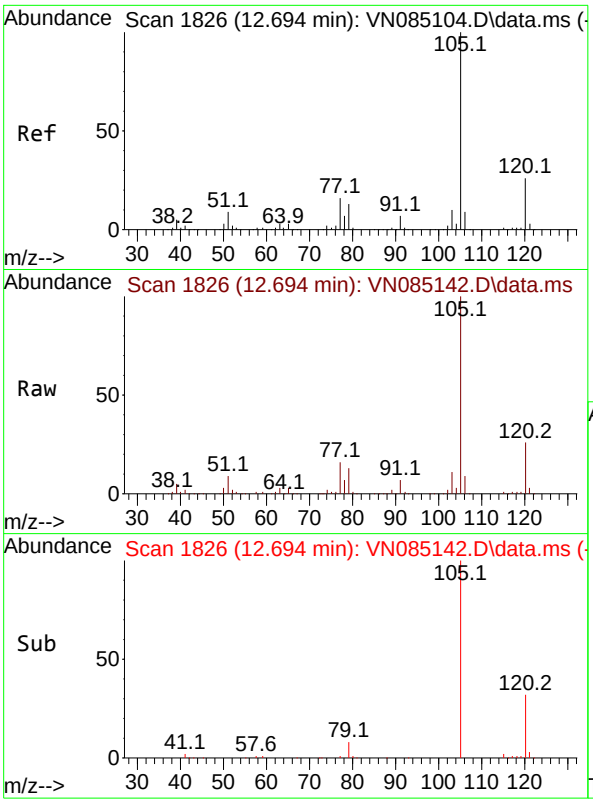


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:152 Resp: 120023

Ion	Ratio	Lower	Upper
152	100		
115	62.3	31.7	95.1
150	171.3	0.0	351.4



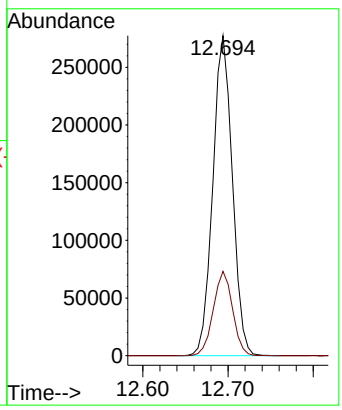


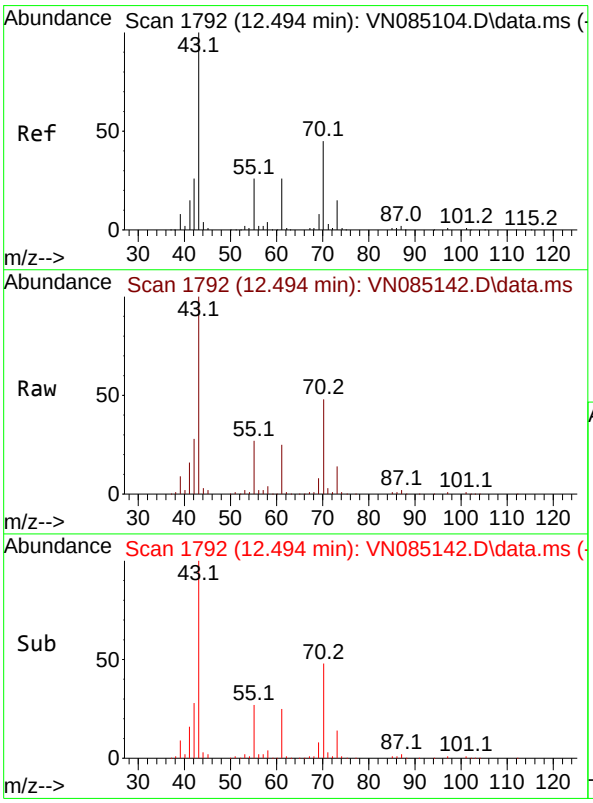
#73
Isopropylbenzene
Concen: 52.158 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 441629

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	39.0

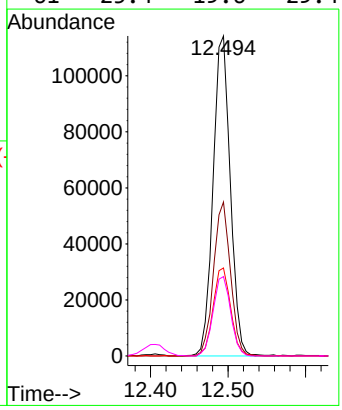


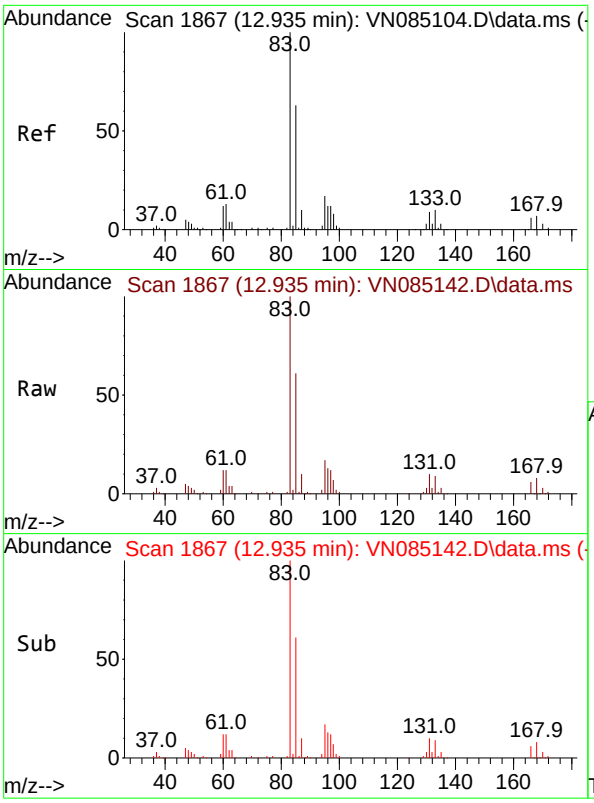


#74
N-amyl acetate
Concen: 50.480 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 43 Resp: 176132

Ion	Ratio	Lower	Upper
43	100		
70	47.3	34.6	51.8
55	28.0	20.5	30.7
61	25.4	19.6	29.4



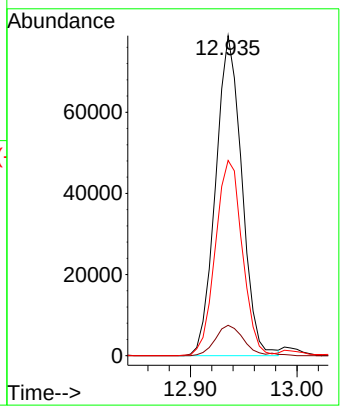


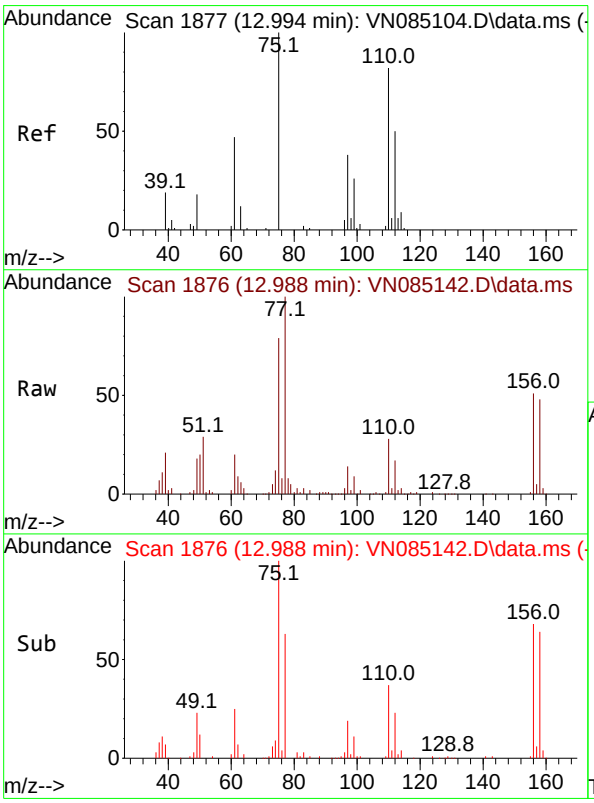
#75
1,1,2,2-Tetrachloroethane
Concen: 46.462 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 134339

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.1	15.4
85	62.9	32.1	96.3

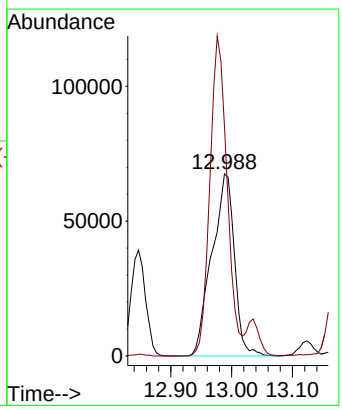


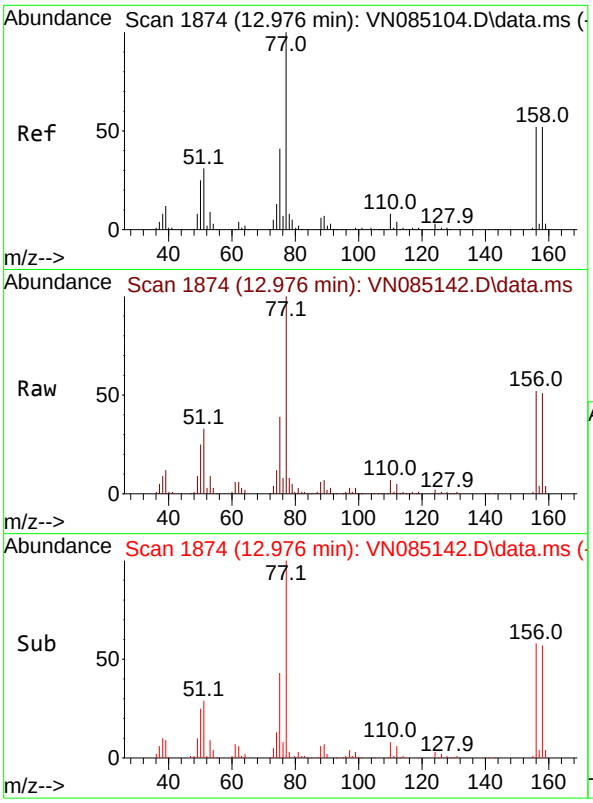


#76
1,2,3-Trichloropropane
Concen: 79.662 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 75 Resp: 173913

Ion	Ratio	Lower	Upper
75	100		
77	134.2	109.1	327.4



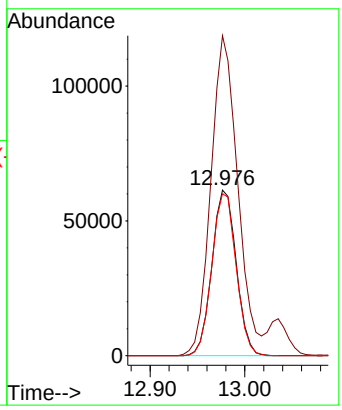


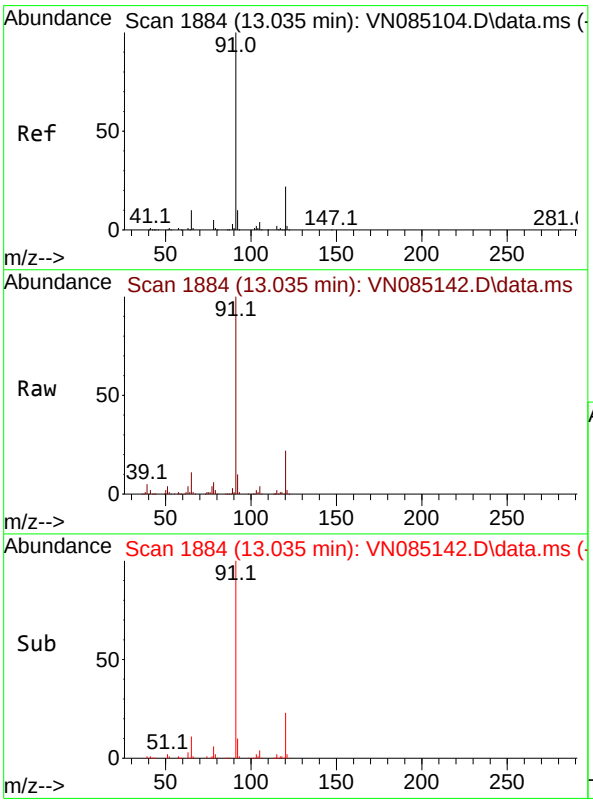
#77
Bromobenzene
Concen: 48.098 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 109596

Ion	Ratio	Lower	Upper
156	100		
77	213.0	107.2	321.6
158	97.8	48.5	145.6

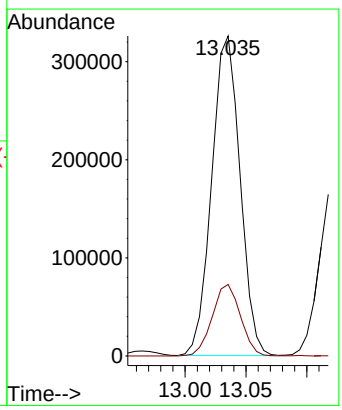


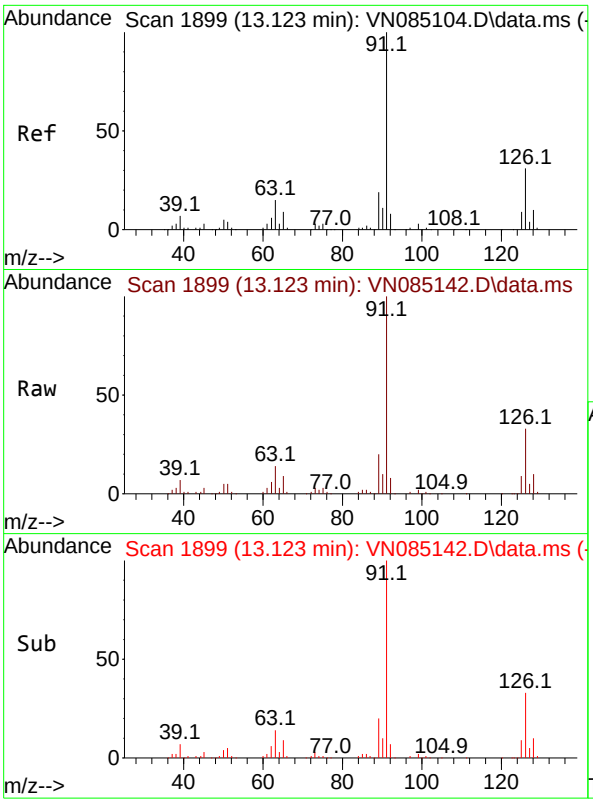


#78
n-propylbenzene
Concen: 54.068 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 91 Resp: 528037

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.3	33.9



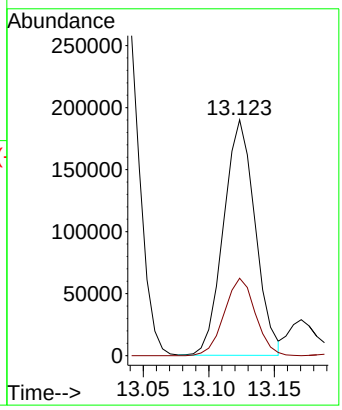


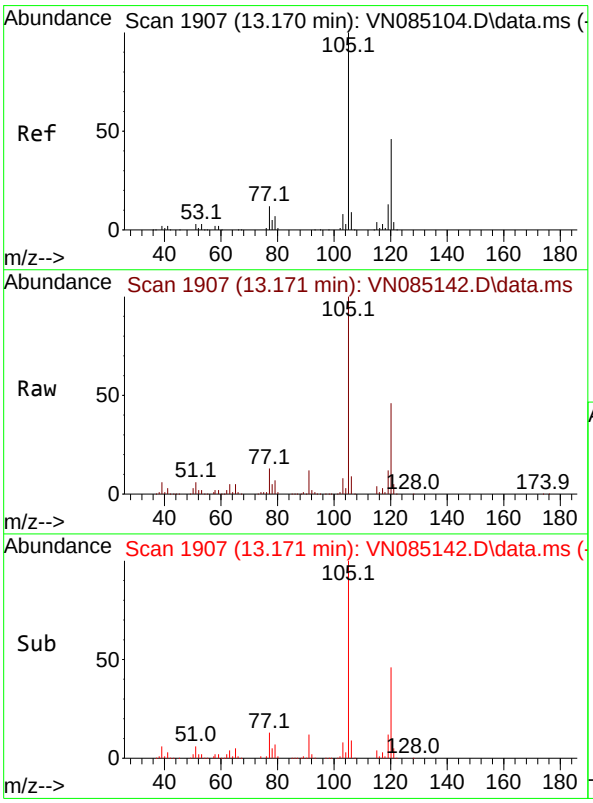
#79
2-Chlorotoluene
Concen: 48.981 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 319326

Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.1	48.3

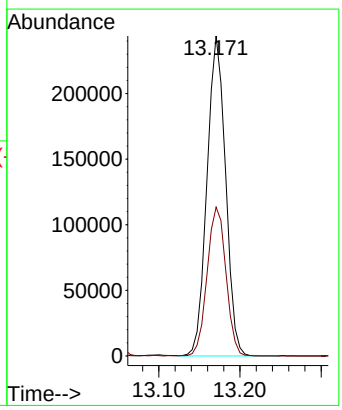


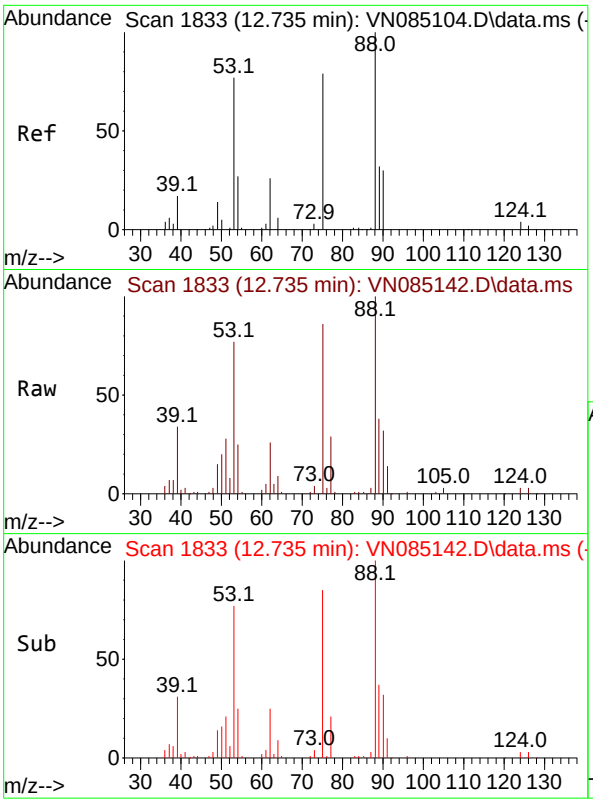


#80
1,3,5-Trimethylbenzene
Concen: 54.491 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:105 Resp: 387163

Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.6	71.0



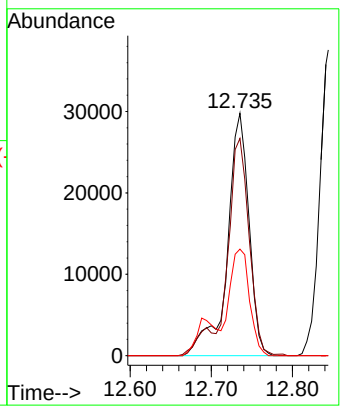


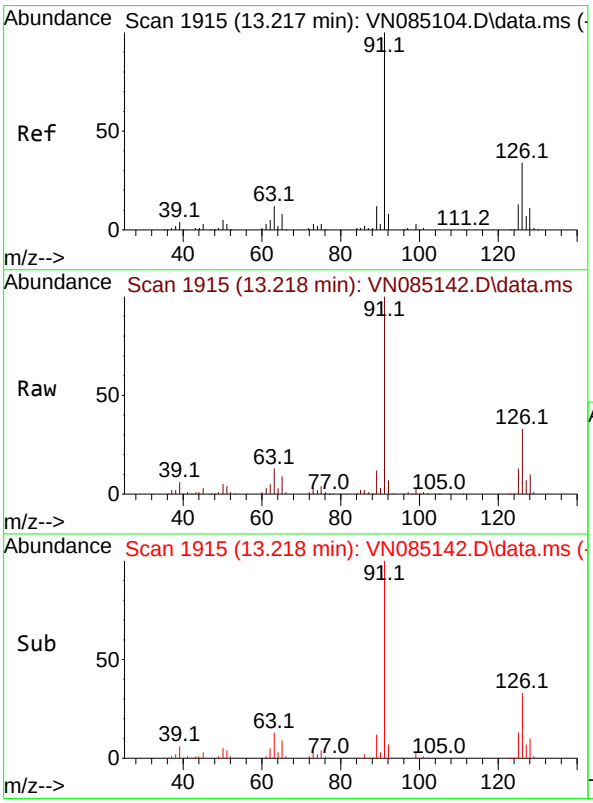
#81
trans-1,4-Dichloro-2-butene
Concen: 55.884 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 55265

Ion	Ratio	Lower	Upper
75	100		
53	82.4	78.2	117.4
89	40.1	37.9	56.9

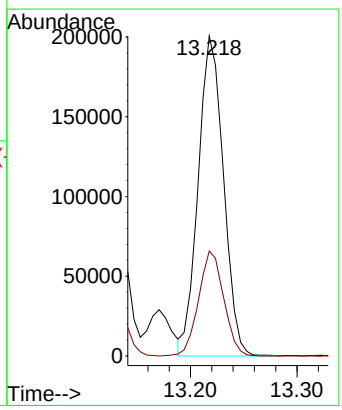


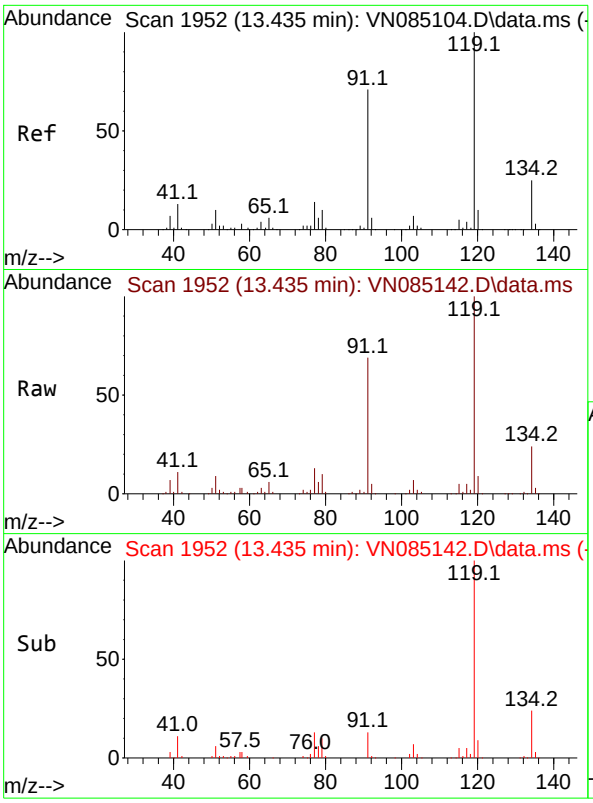


#82
4-Chlorotoluene
Concen: 48.778 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 91 Resp: 331046

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3



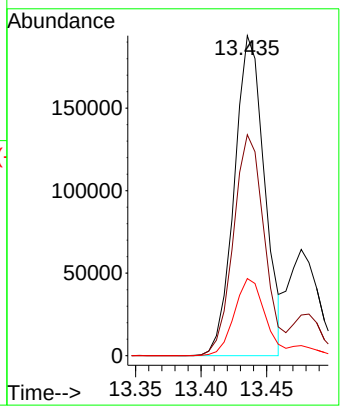


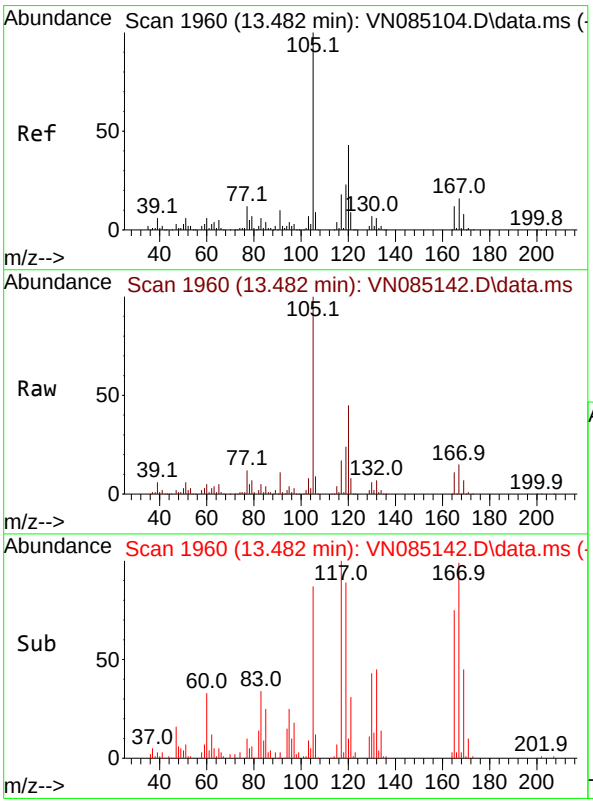
#83
tert-Butylbenzene
Concen: 50.852 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 310870

Ion	Ratio	Lower	Upper
119	100		
91	71.2	35.1	105.5
134	24.5	12.1	36.3

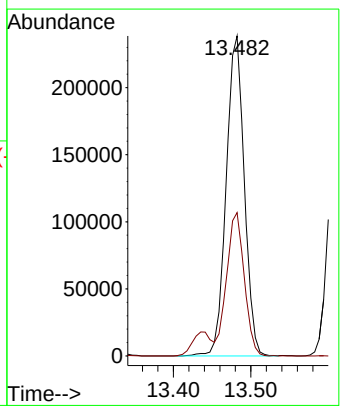


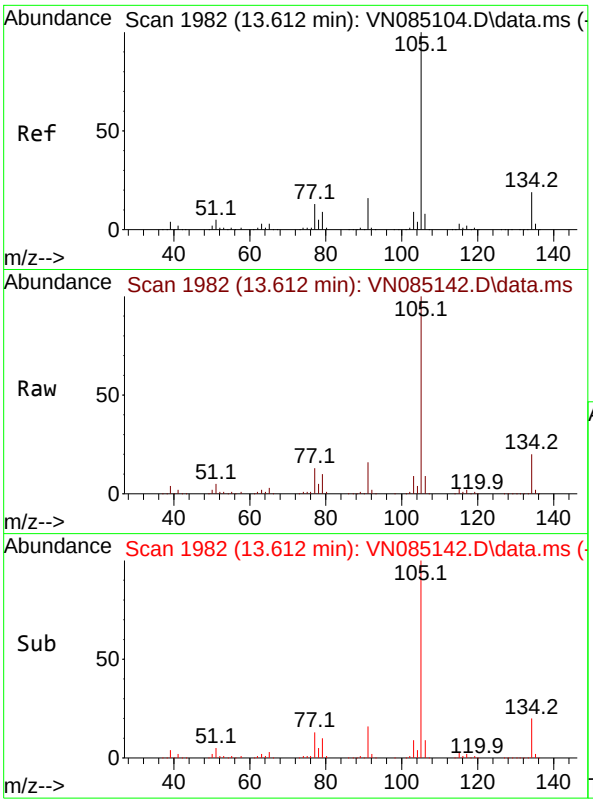


#84
1,2,4-Trimethylbenzene
Concen: 53.047 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:105 Resp: 387968

Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.8	65.4



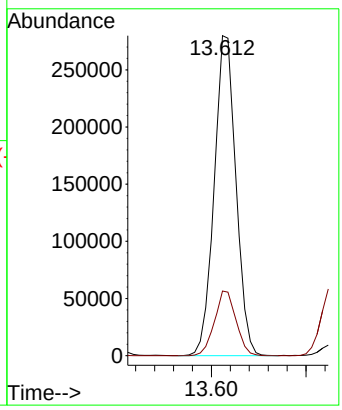


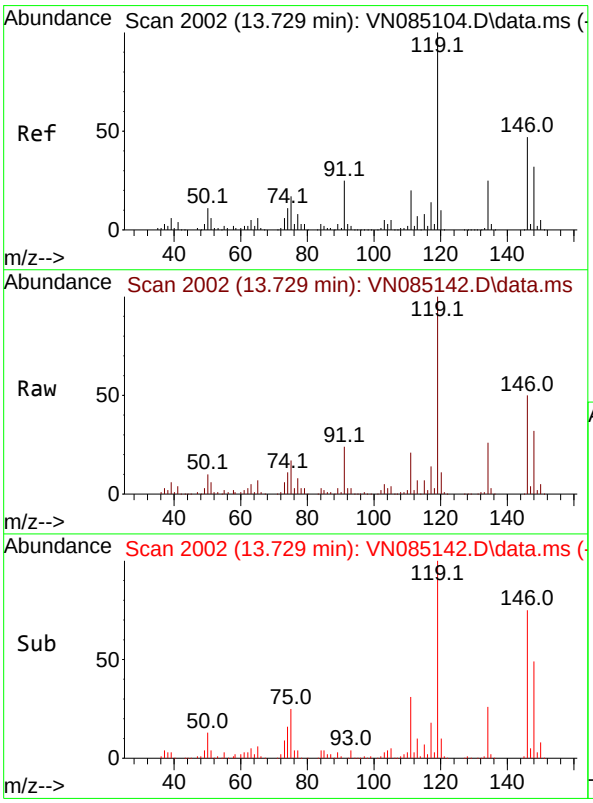
#85
sec-Butylbenzene
Concen: 54.132 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 447037

Ion	Ratio	Lower	Upper
105	100		
134	20.0	9.8	29.3

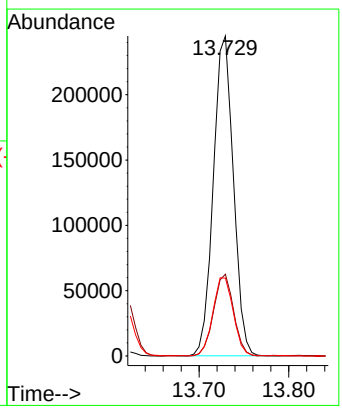


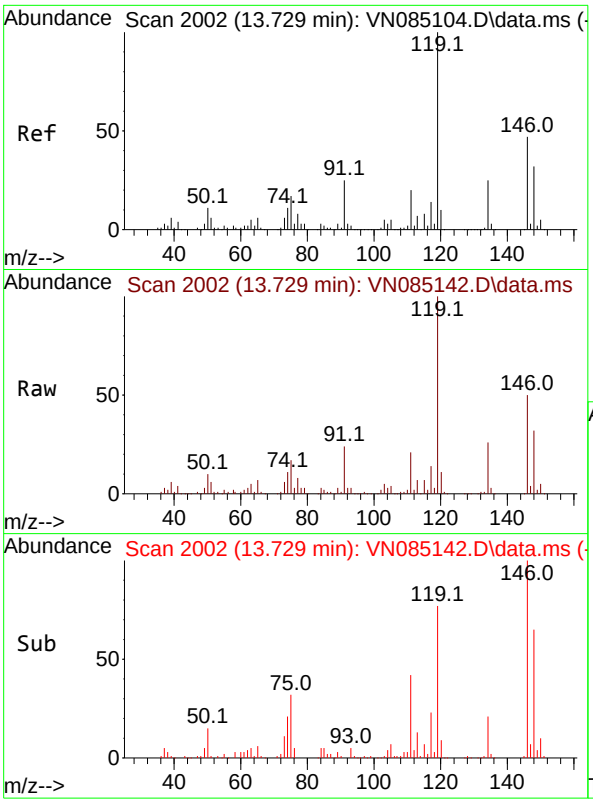


#86
p-Isopropyltoluene
Concen: 55.734 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:119 Resp: 379947

Ion	Ratio	Lower	Upper
119	100		
134	25.5	13.0	39.0
91	24.9	12.8	38.4



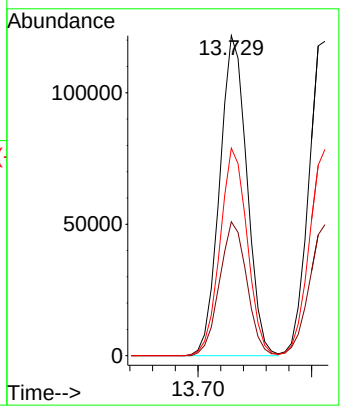


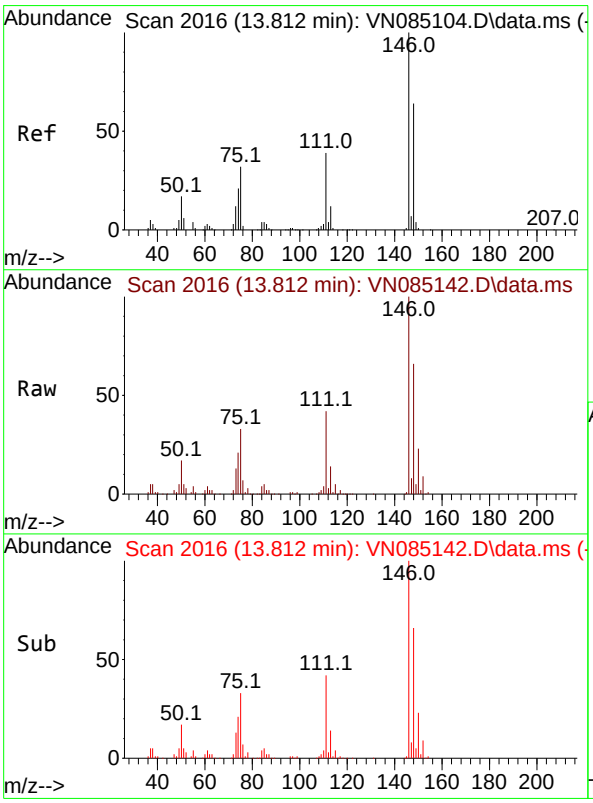
#87
1,3-Dichlorobenzene
Concen: 45.047 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 202457

Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.6	65.0
148	64.8	32.2	96.6

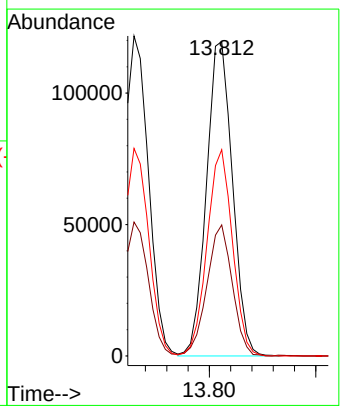


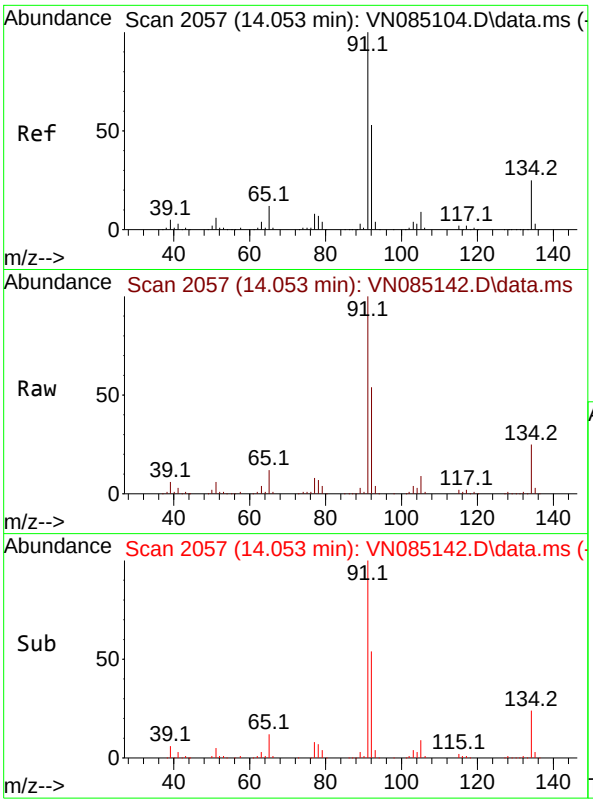


#88
1,4-Dichlorobenzene
Concen: 44.203 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:146 Resp: 202736

Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.9	62.8
148	64.1	31.3	93.9



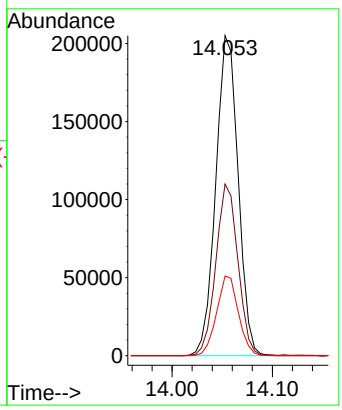


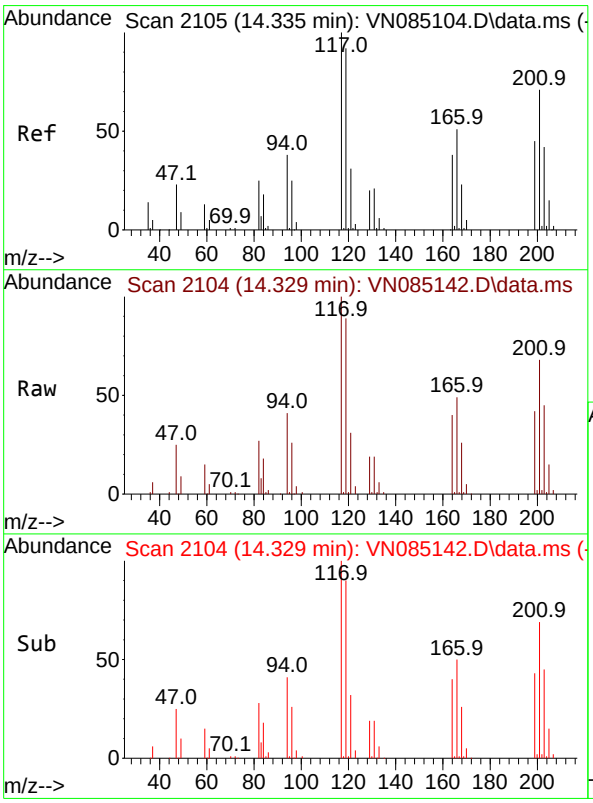
#89
n-Butylbenzene
Concen: 50.053 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 317319

Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.8	80.3
134	24.3	12.8	38.4

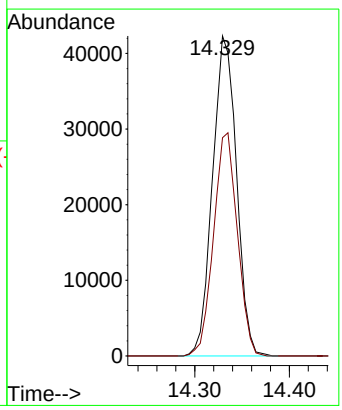


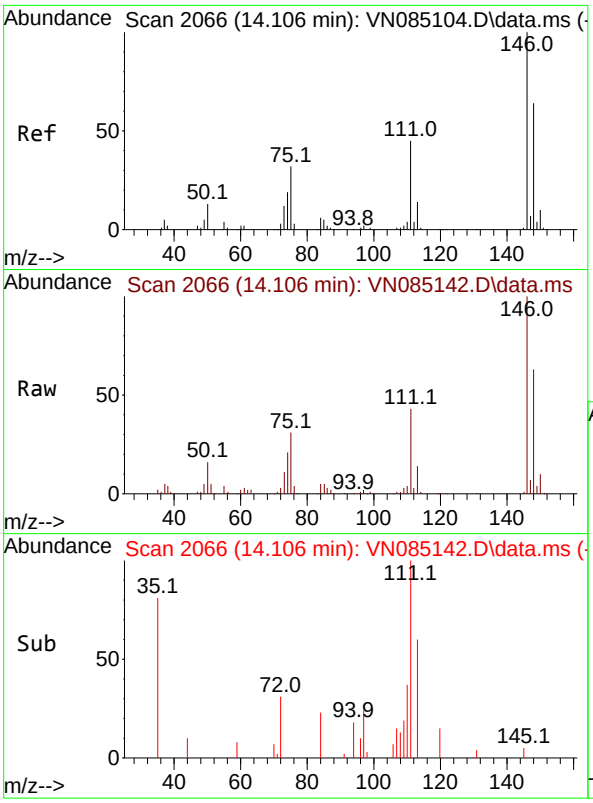


#90
Hexachloroethane
Concen: 50.159 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:117 Resp: 74535

Ion	Ratio	Lower	Upper
117	100		
201	69.3	35.2	105.6



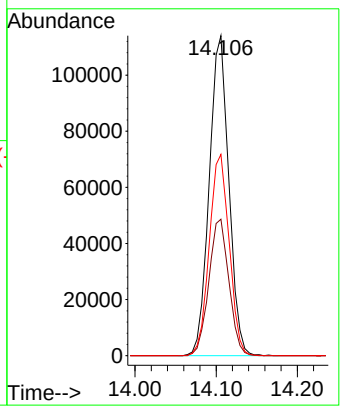


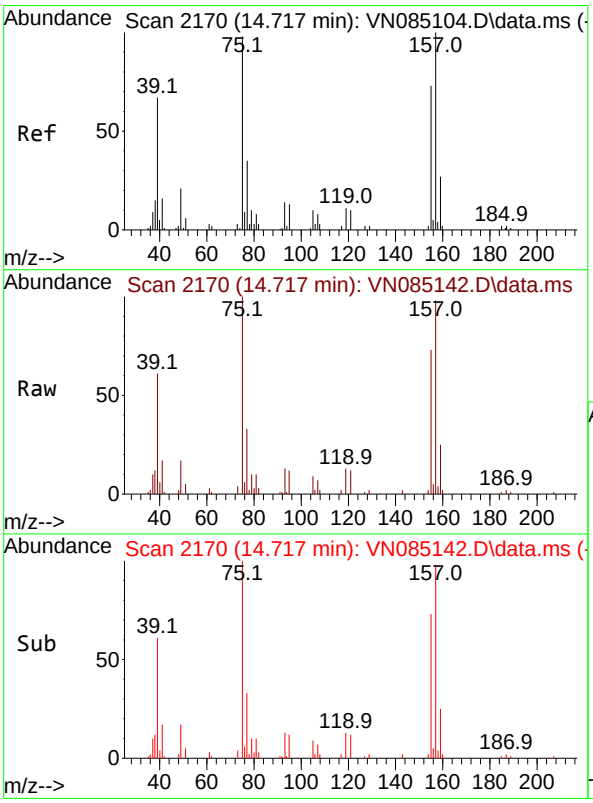
#91
1,2-Dichlorobenzene
Concen: 44.283 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 190711

Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.9	65.8
148	63.9	31.1	93.2

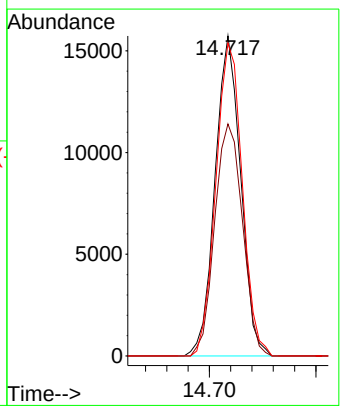


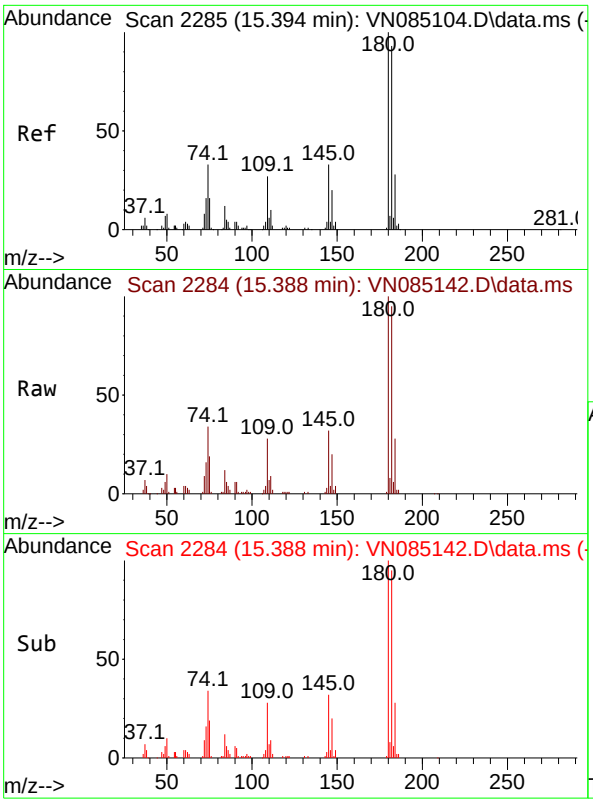


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.961 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 75 Resp: 26256

Ion	Ratio	Lower	Upper
75	100		
155	78.7	38.9	116.7
157	100.4	48.3	144.9



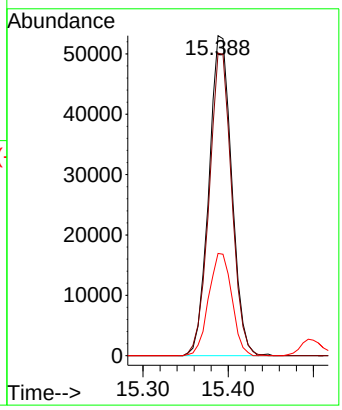


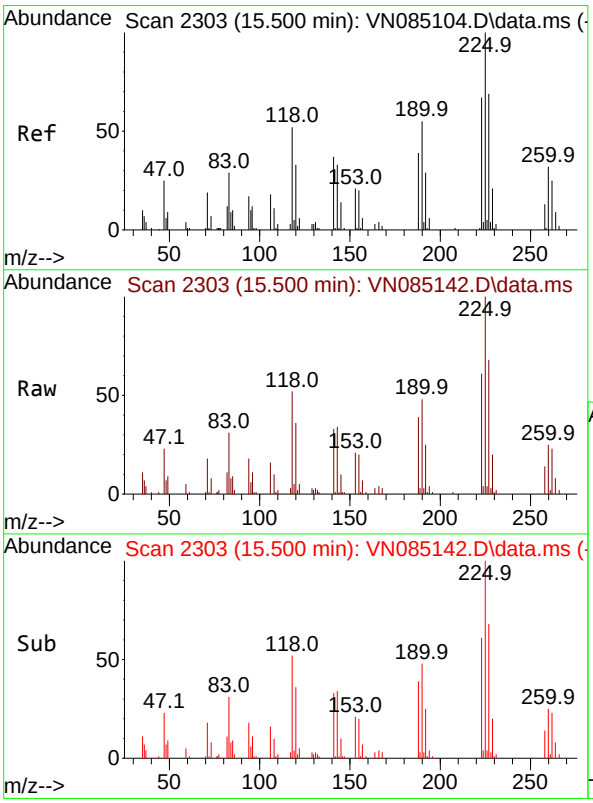
#93
1,2,4-Trichlorobenzene
Concen: 42.133 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 98579

Ion	Ratio	Lower	Upper
180	100		
182	93.3	46.9	140.8
145	32.4	16.3	48.8

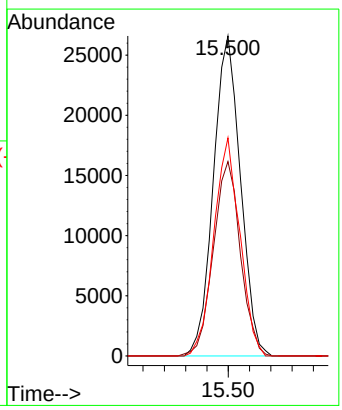


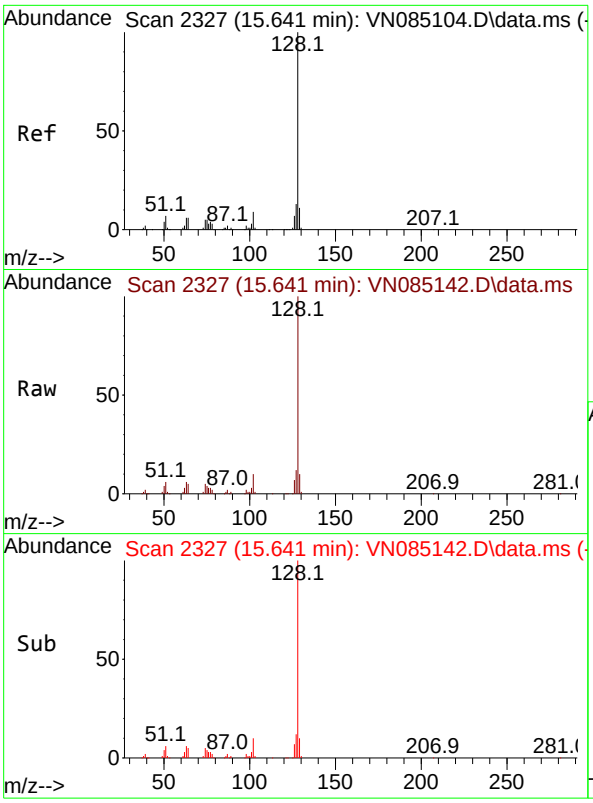


#94
Hexachlorobutadiene
Concen: 43.472 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:225 Resp: 46941

Ion	Ratio	Lower	Upper
225	100		
223	60.7	30.9	92.8
227	65.5	31.5	94.5



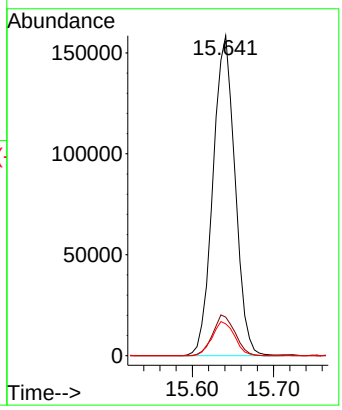


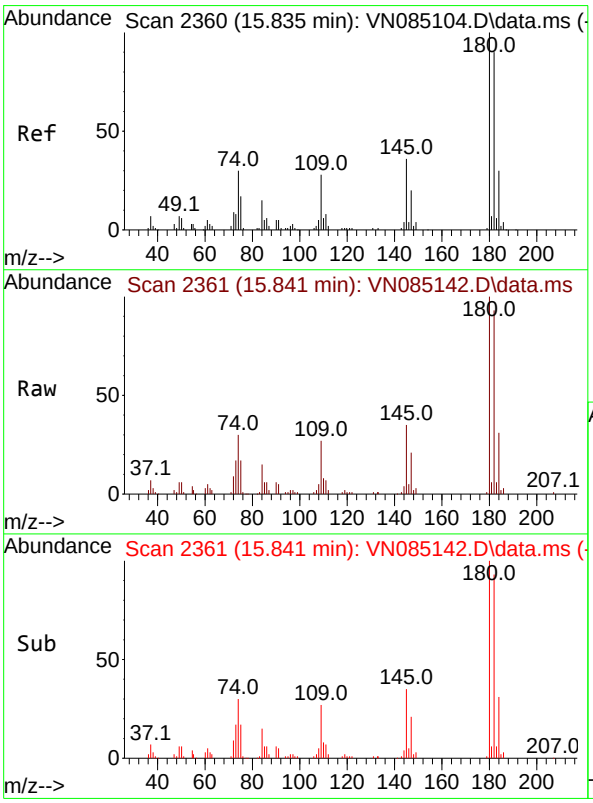
#95
Naphthalene
Concen: 44.981 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 299742

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.8	8.6	12.8

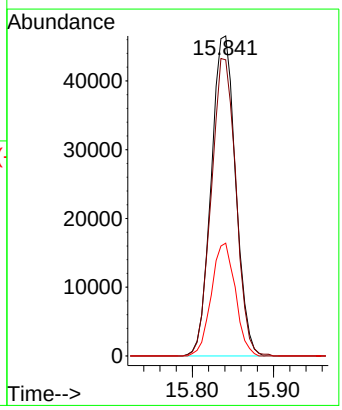




#96
1,2,3-Trichlorobenzene
Concen: 43.570 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:180 Resp: 97267

Ion	Ratio	Lower	Upper
180	100		
182	93.6	46.4	139.2
145	34.6	17.3	52.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085144.D
Acq On : 09 Dec 2024 11:35
Operator : JC\MD
Sample : VN1209WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Quant Time: Dec 10 04:57:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	163291	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	259546	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	222034	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	104600	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	106459	45.770	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 91.540%			
35) Dibromofluoromethane	8.165	113	89046	50.875	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.740%			
50) Toluene-d8	10.565	98	305121	48.643	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.280%			
62) 4-Bromofluorobenzene	12.847	95	110888	47.272	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.540%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	26409	14.303	ug/l	94
3) Chloromethane	2.359	50	27604	12.890	ug/l	91
4) Vinyl Chloride	2.512	62	30286	15.737	ug/l	100
5) Bromomethane	2.954	94	21229	19.680	ug/l	95
6) Chloroethane	3.118	64	21103	16.268	ug/l	95
7) Trichlorofluoromethane	3.495	101	56705	17.321	ug/l	96
8) Diethyl Ether	3.959	74	18392	16.506	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	32533	17.521	ug/l	99
10) Methyl Iodide	4.589	142	35117	14.288	ug/l	96
11) Tert butyl alcohol	5.518	59	30573	98.362	ug/l #	94
12) 1,1-Dichloroethene	4.336	96	29194	16.844	ug/l	96
13) Acrolein	4.183	56	17012	82.024	ug/l	95
14) Allyl chloride	5.024	41	42953	14.701	ug/l	96
15) Acrylonitrile	5.718	53	83368	94.738	ug/l	99
16) Acetone	4.430	43	74219	109.563	ug/l	97
17) Carbon Disulfide	4.712	76	80210	15.679	ug/l	99
18) Methyl Acetate	5.024	43	41204	18.303	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	97105	17.148	ug/l	98
20) Methylene Chloride	5.277	84	35121	16.990	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	31602	17.327	ug/l	95
22) Diisopropyl ether	6.671	45	103043	17.523	ug/l	99
23) Vinyl Acetate	6.606	43	351180	86.565	ug/l	98
24) 1,1-Dichloroethane	6.565	63	61913	17.594	ug/l	99
25) 2-Butanone	7.483	43	108793	98.232	ug/l	98
26) 2,2-Dichloropropane	7.489	77	57271	17.429	ug/l	100
27) cis-1,2-Dichloroethene	7.489	96	37413	17.016	ug/l	100
28) Bromochloromethane	7.812	49	24208	18.224	ug/l	91
29) Tetrahydrofuran	7.841	42	66904	97.142	ug/l	94
30) Chloroform	7.965	83	65806	17.580	ug/l	98
31) Cyclohexane	8.259	56	51467	16.611	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	61775	18.262	ug/l	96
36) 1,1-Dichloropropene	8.371	75	42851	18.075	ug/l	97
37) Ethyl Acetate	7.565	43	42554	19.744	ug/l	98
38) Carbon Tetrachloride	8.365	117	54048	19.750	ug/l	94
39) Methylcyclohexane	9.600	83	42735	17.347	ug/l	97
40) Benzene	8.606	78	139262	18.573	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085144.D
Acq On : 09 Dec 2024 11:35
Operator : JC\MD
Sample : VN1209WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Quant Time: Dec 10 04:57:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	22251	18.646	ug/l		95
42) 1,2-Dichloroethane	8.671	62	48342	18.845	ug/l		100
43) Isopropyl Acetate	8.688	43	72727	16.245	ug/l		98
44) Trichloroethene	9.353	130	33126	19.010	ug/l		86
45) 1,2-Dichloropropane	9.618	63	34338	18.593	ug/l		96
46) Dibromomethane	9.712	93	25247	19.674	ug/l		99
47) Bromodichloromethane	9.888	83	51682	19.002	ug/l		99
48) Methyl methacrylate	9.677	41	33500	20.109	ug/l		97
49) 1,4-Dioxane	9.694	88	13321	461.086	ug/l	#	94
51) 4-Methyl-2-Pentanone	10.441	43	228689	111.838	ug/l		99
52) Toluene	10.630	92	88892	20.025	ug/l		98
53) t-1,3-Dichloropropene	10.830	75	49777	18.255	ug/l		95
54) cis-1,3-Dichloropropene	10.312	75	55624	19.228	ug/l		98
55) 1,1,2-Trichloroethane	11.018	97	34271	20.727	ug/l		98
56) Ethyl methacrylate	10.877	69	49811	20.617	ug/l		99
57) 1,3-Dichloropropane	11.159	76	54891	18.863	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	107728	90.899	ug/l		100
59) 2-Hexanone	11.194	43	169991	111.153	ug/l		99
60) Dibromochloromethane	11.359	129	40779	20.181	ug/l		99
61) 1,2-Dibromoethane	11.471	107	33148	19.372	ug/l		98
64) Tetrachloroethene	11.106	164	31073	20.769	ug/l		93
65) Chlorobenzene	11.888	112	92261	18.322	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	35345	19.936	ug/l		98
67) Ethyl Benzene	11.965	91	156939	19.210	ug/l		99
68) m/p-Xylenes	12.071	106	121108	38.938	ug/l		99
69) o-Xylene	12.400	106	57985	19.599	ug/l		99
70) Styrene	12.412	104	98206	19.960	ug/l		99
71) Bromoform	12.576	173	28031	21.300	ug/l	#	99
73) Isopropylbenzene	12.694	105	147544	19.995	ug/l		100
74) N-amyl acetate	12.494	43	62083	20.417	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	48508	19.251	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	61386	32.264	ug/l		48
77) Bromobenzene	12.982	156	38928	19.603	ug/l		99
78) n-propylbenzene	13.035	91	177101	20.808	ug/l		98
79) 2-Chlorotoluene	13.123	91	111085	19.552	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	125642	20.291	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	17583	20.401	ug/l		93
82) 4-Chlorotoluene	13.218	91	112899	19.088	ug/l		99
83) tert-Butylbenzene	13.435	119	107573	20.191	ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	126653	19.871	ug/l		99
85) sec-Butylbenzene	13.618	105	147809	20.537	ug/l		99
86) p-Isopropyltoluene	13.729	119	120791	20.331	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	68527	17.496	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	69227	17.319	ug/l		98
89) n-Butylbenzene	14.053	91	96140	17.401	ug/l		98
90) Hexachloroethane	14.335	117	25206	19.464	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	65350	17.412	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	9910	20.338	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	32298	15.840	ug/l		100
94) Hexachlorobutadiene	15.500	225	16431	17.460	ug/l		96
95) Naphthalene	15.641	128	91989	15.840	ug/l		98
96) 1,2,3-Trichlorobenzene	15.835	180	31678	16.282	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085144.D
Acq On : 09 Dec 2024 11:35
Operator : JC\MD
Sample : VN1209WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Quant Time: Dec 10 04:57:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

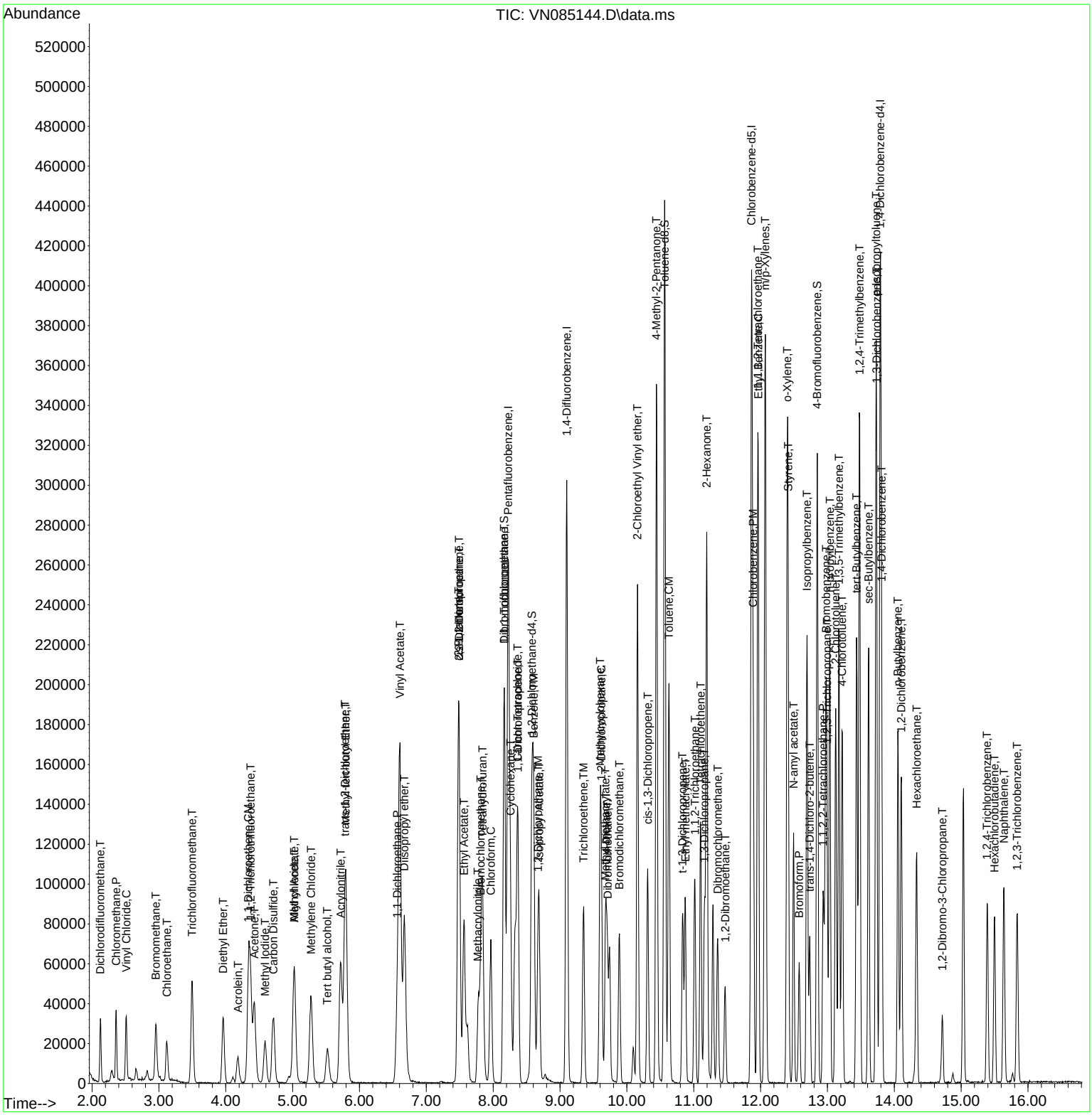
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

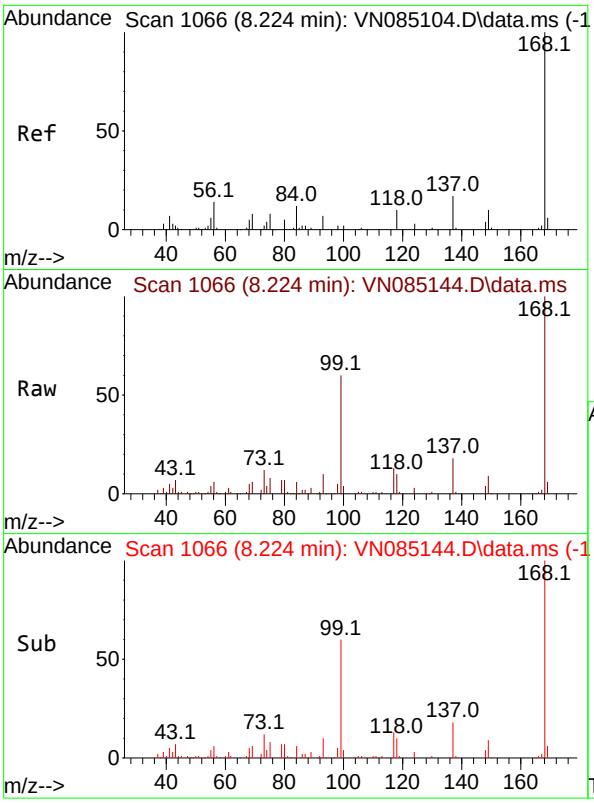
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085144.D
Acq On : 09 Dec 2024 11:35
Operator : JC\MD
Sample : VN1209WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Quant Time: Dec 10 04:57:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



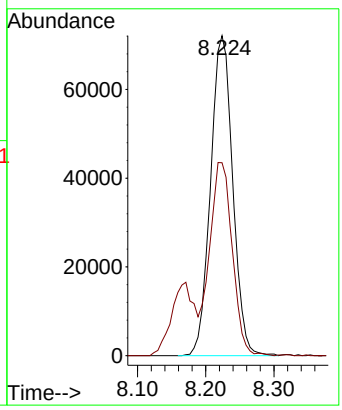


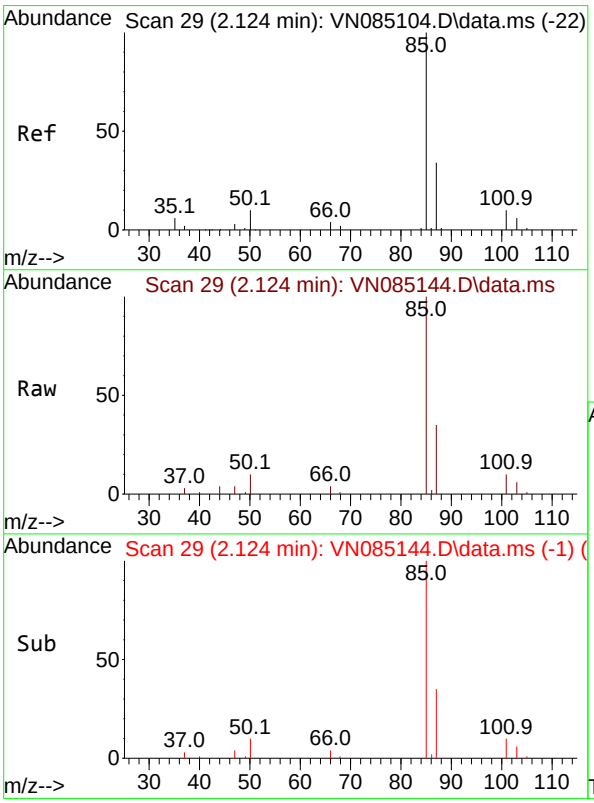
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion:168 Resp: 163291

Ion	Ratio	Lower	Upper
168	100		
99	60.1	51.2	76.8

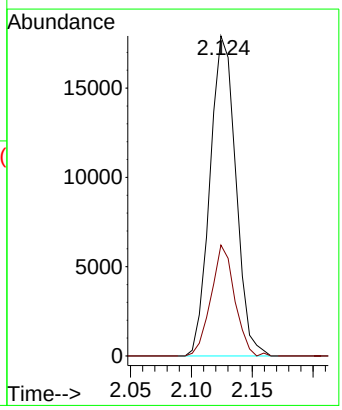


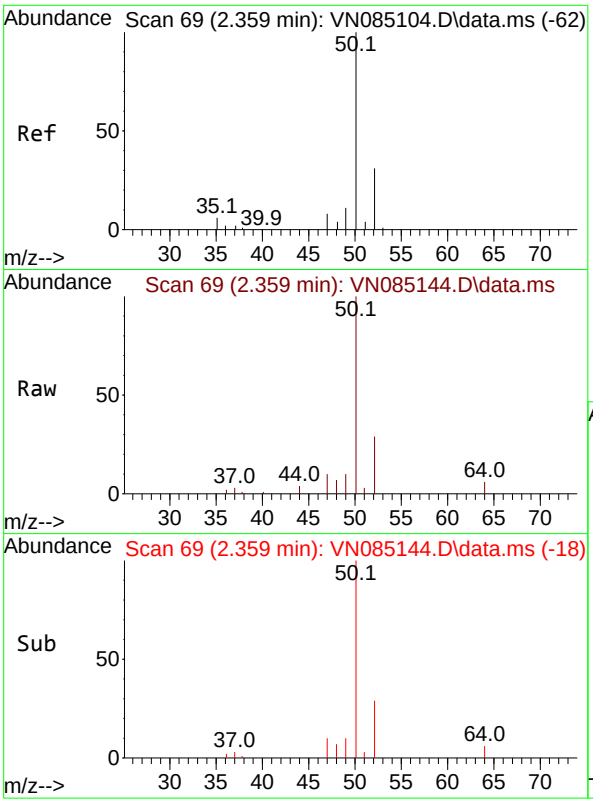


#2
Dichlorodifluoromethane
Concen: 14.303 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 85 Resp: 26409

Ion	Ratio	Lower	Upper
85	100		
87	34.6	15.7	47.1



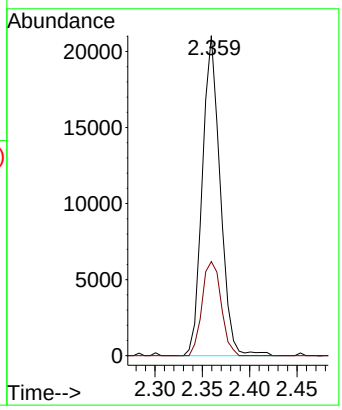


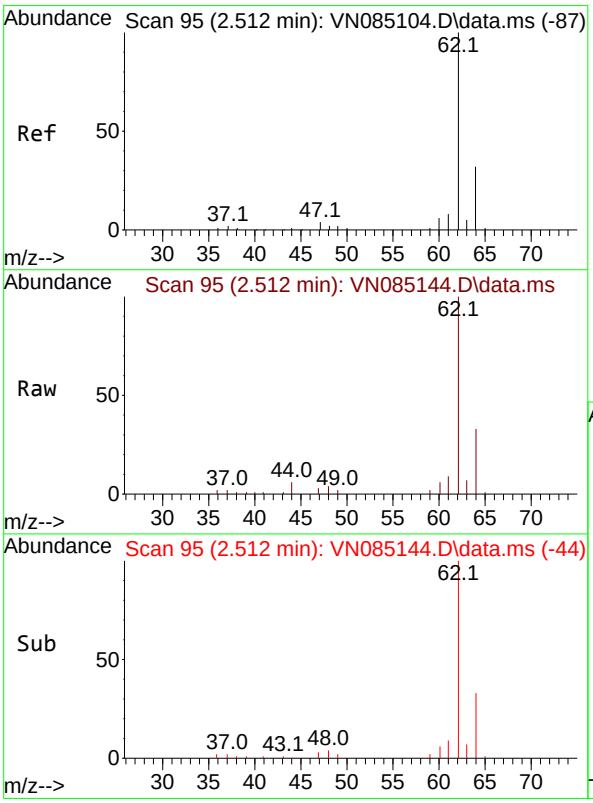
#3
Chloromethane
Concen: 12.890 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion: 50 Resp: 27604

Ion	Ratio	Lower	Upper
50	100		
52	29.4	27.8	41.8

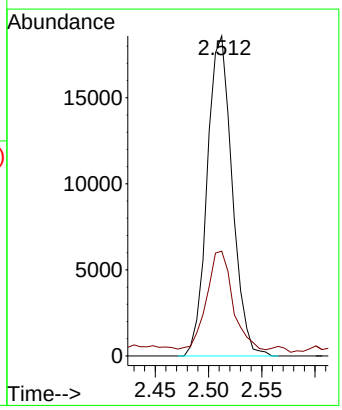


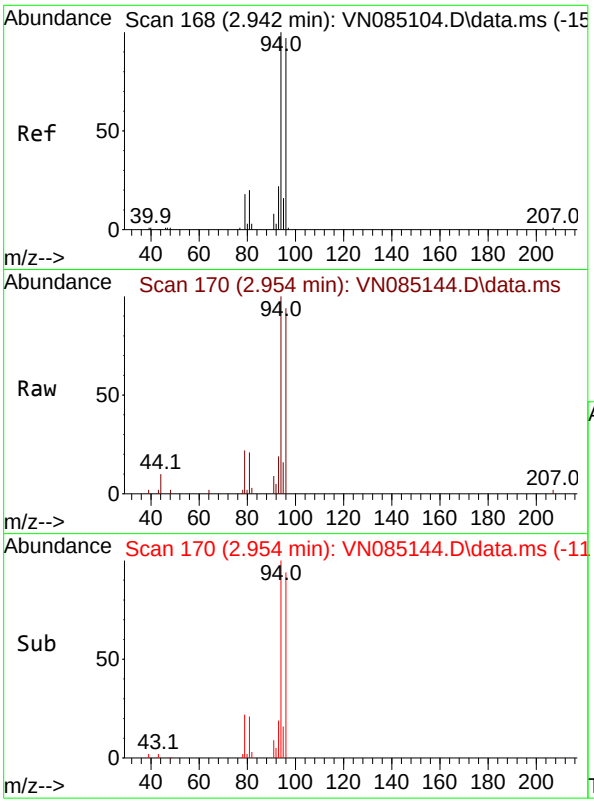


#4
Vinyl Chloride
Concen: 15.737 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 62 Resp: 30286

Ion	Ratio	Lower	Upper
62	100		
64	30.6	24.6	36.8



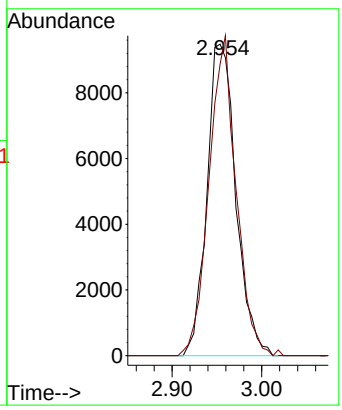


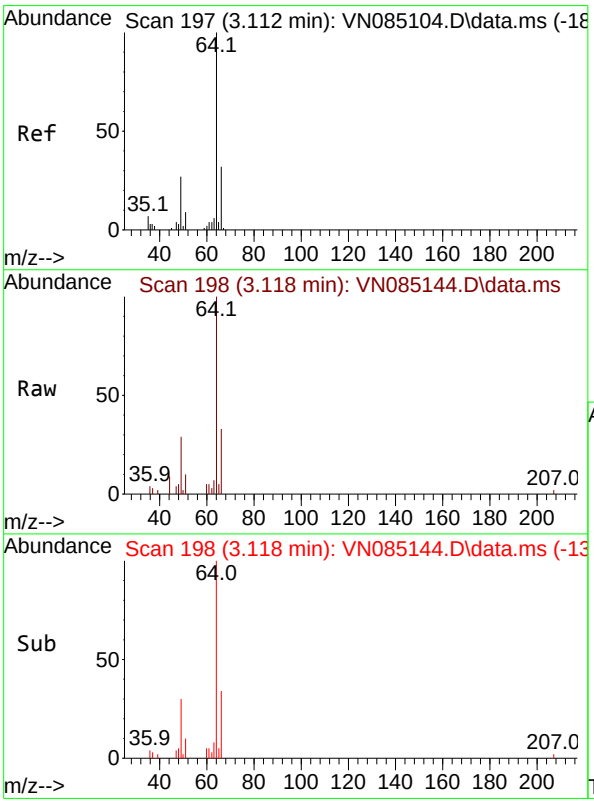
#5
Bromomethane
Concen: 19.680 ug/l
RT: 2.954 min Scan# 1
Delta R.T. 0.053 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion: 94 Resp: 21229

Ion	Ratio	Lower	Upper
94	100		
96	93.7	78.7	118.1

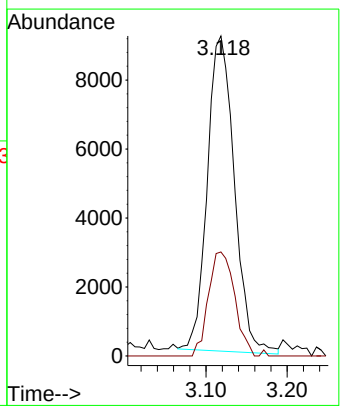


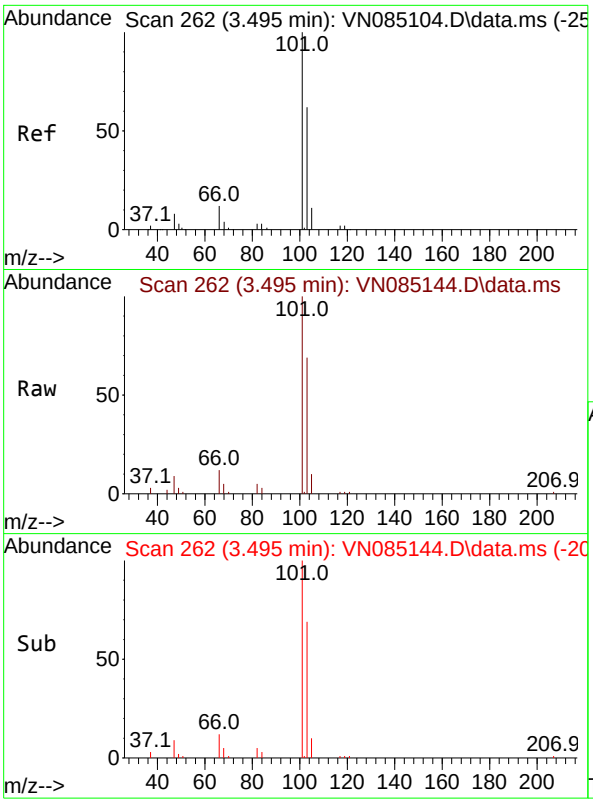


#6
Chloroethane
Concen: 16.268 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.053 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 64 Resp: 21103

Ion	Ratio	Lower	Upper
64	100		
66	33.3	24.4	36.6



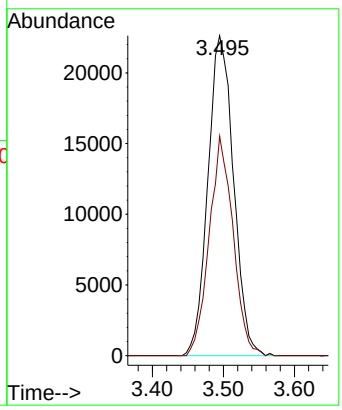


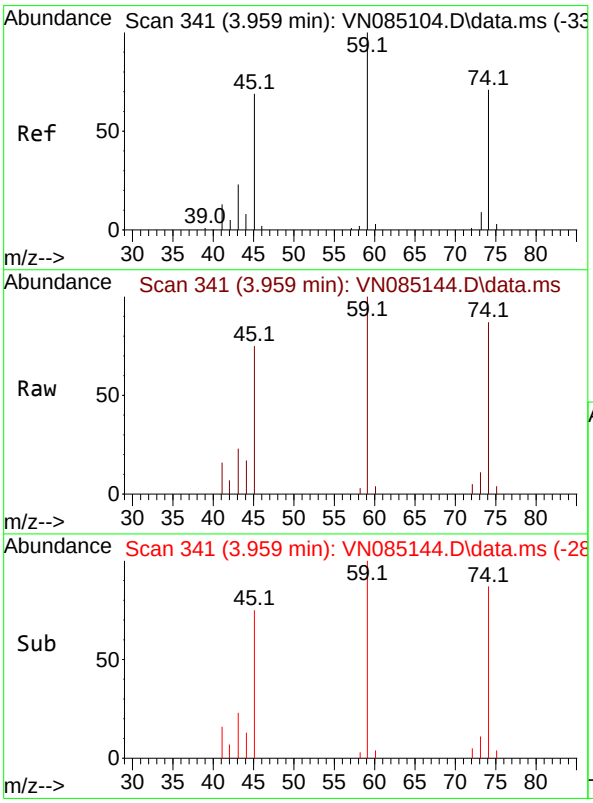
#7
Trichlorofluoromethane
Concen: 17.321 ug/l
RT: 3.495 min Scan# 2
Delta R.T. 0.035 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion:101 Resp: 56705

Ion	Ratio	Lower	Upper
101	100		
103	68.6	52.6	78.8

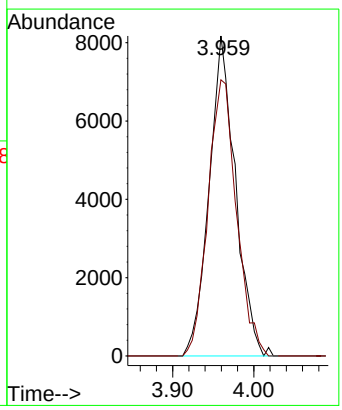


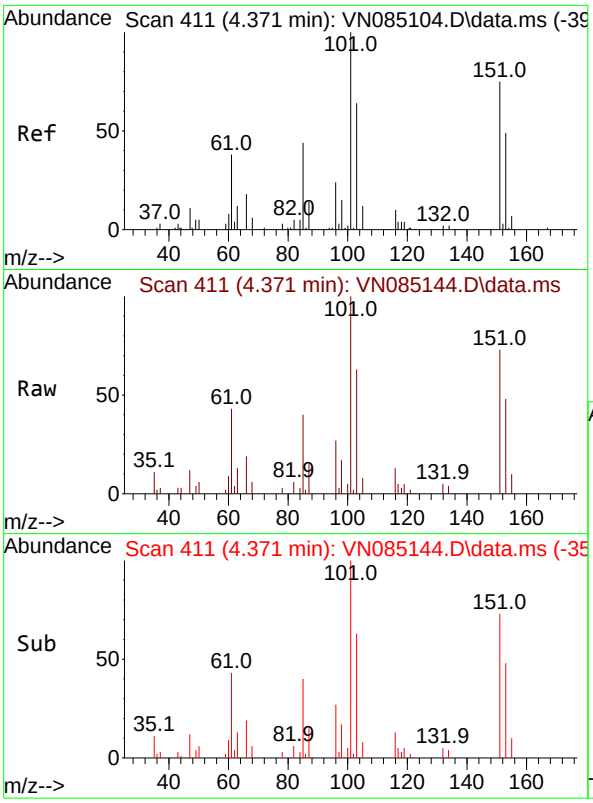


#8
Diethyl Ether
Concen: 16.506 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.012 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 74 Resp: 18392

Ion	Ratio	Lower	Upper
74	100		
45	93.5	46.7	140.1



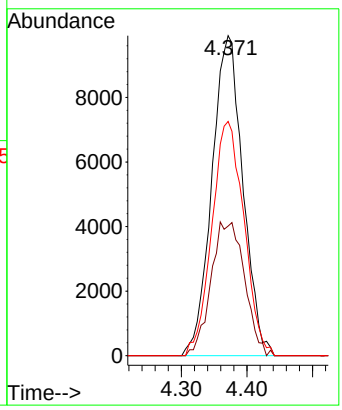


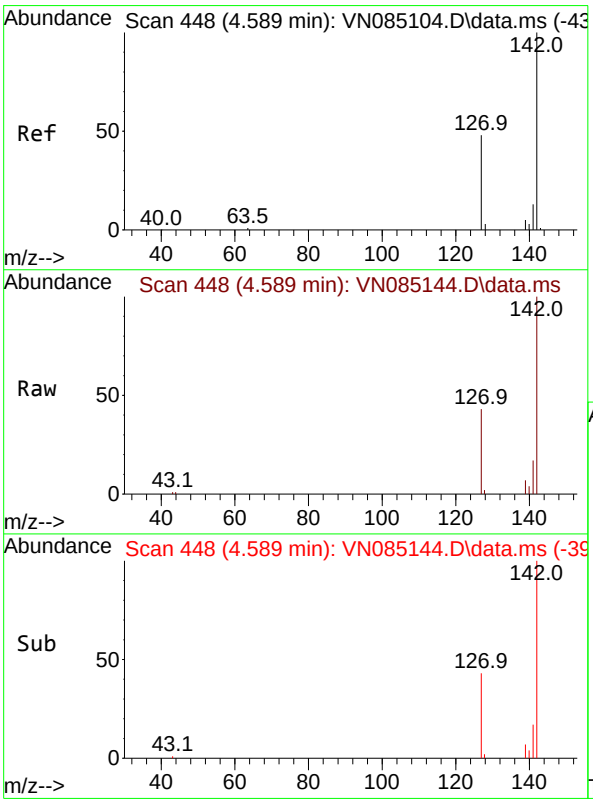
#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.521 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion:101 Resp: 32533

Ion	Ratio	Lower	Upper
101	100		
85	45.2	36.9	55.3
151	75.7	60.8	91.2

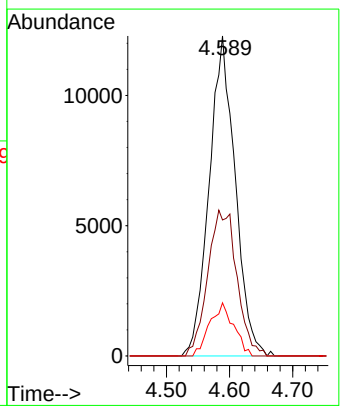


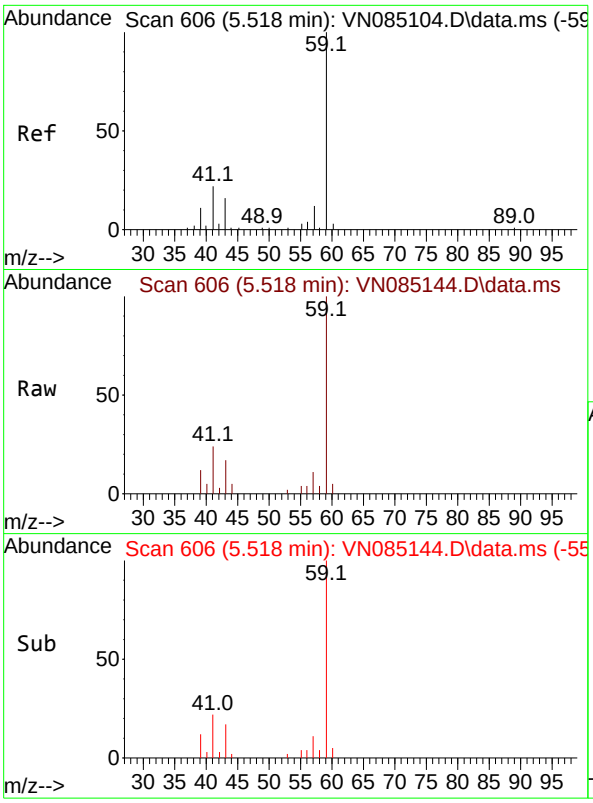


#10
Methyl Iodide
Concen: 14.288 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.018 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:142 Resp: 35117

Ion	Ratio	Lower	Upper
142	100		
127	42.5	36.6	54.8
141	16.6	12.2	18.4



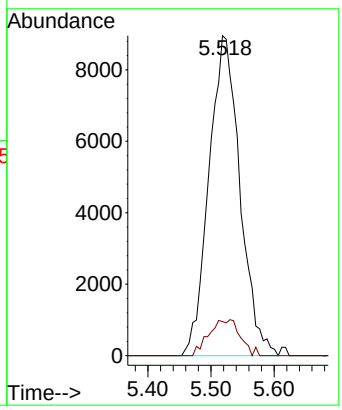


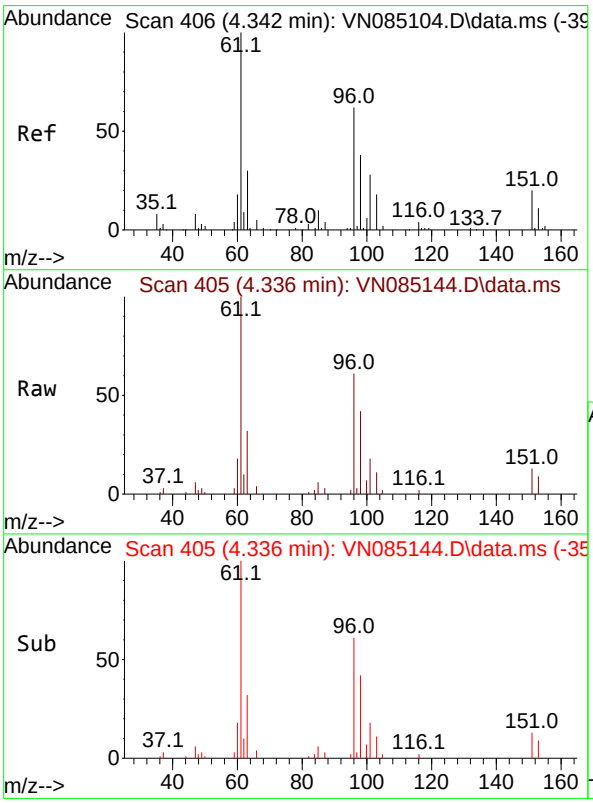
#11
Tert butyl alcohol
Concen: 98.362 ug/l
RT: 5.518 min Scan# 6
Delta R.T. -0.024 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion: 59 Resp: 30573

Ion	Ratio	Lower	Upper
59	100		
57	11.4	7.4	11.0#

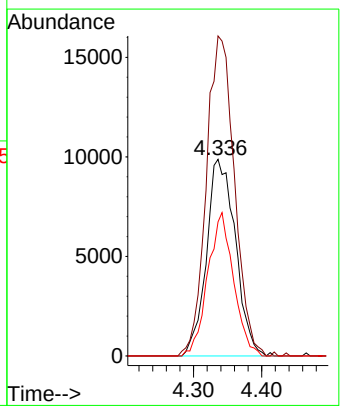


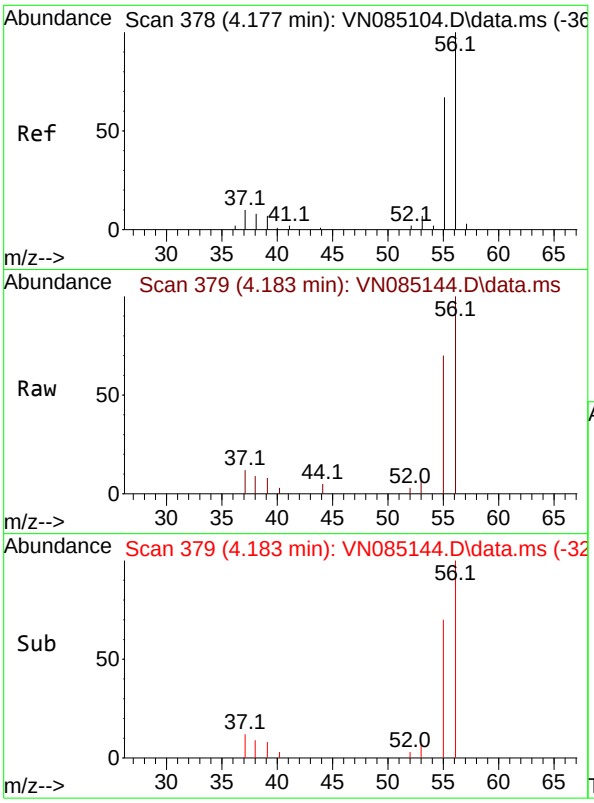


#12
1,1-Dichloroethene
Concen: 16.844 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.018 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 96 Resp: 29194

Ion	Ratio	Lower	Upper
96	100		
61	162.8	127.8	191.8
98	68.2	49.2	73.8



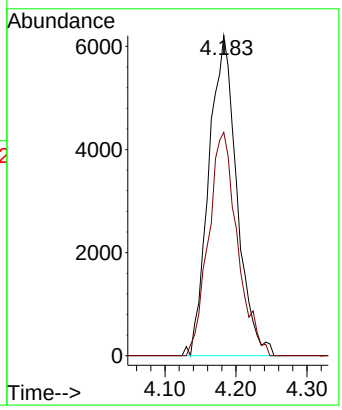


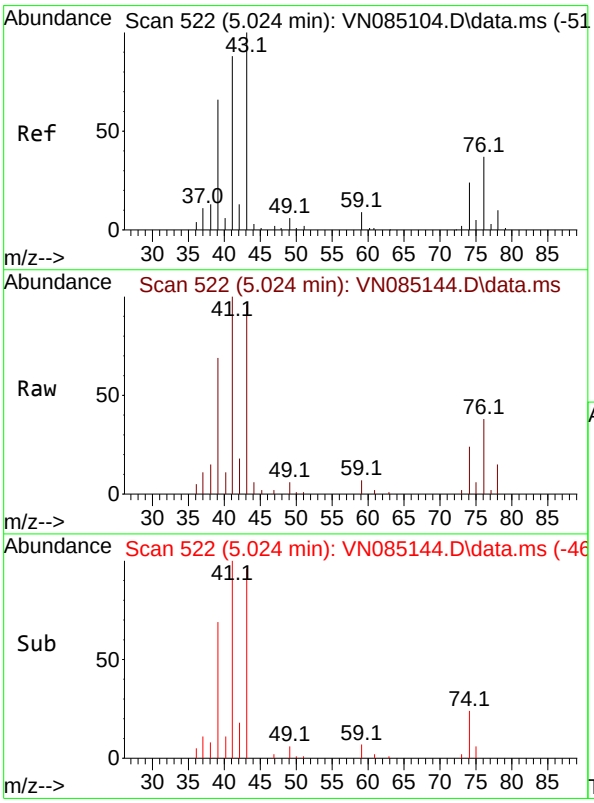
#13
Acrolein
Concen: 82.024 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.018 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion: 56 Resp: 17012

Ion	Ratio	Lower	Upper
56	100		
55	71.8	54.5	81.7

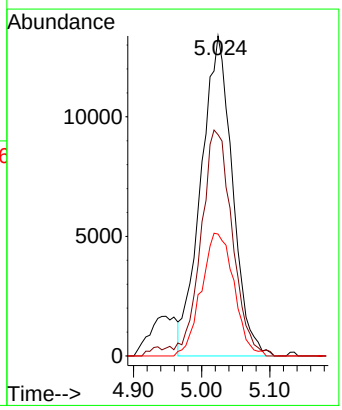


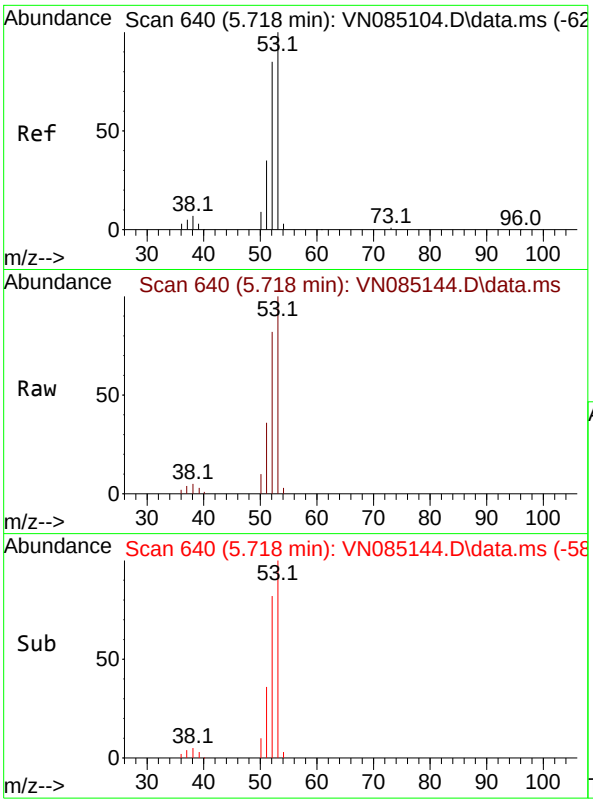


#14
Allyl chloride
Concen: 14.701 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.018 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 41 Resp: 42953

Ion	Ratio	Lower	Upper
41	100		
39	70.5	53.8	80.8
76	39.7	29.3	43.9



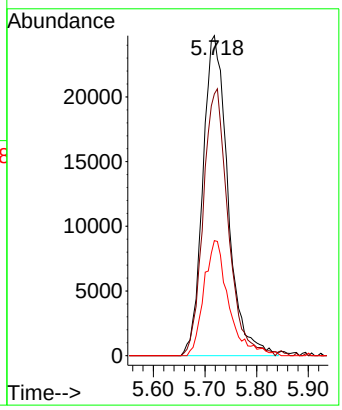


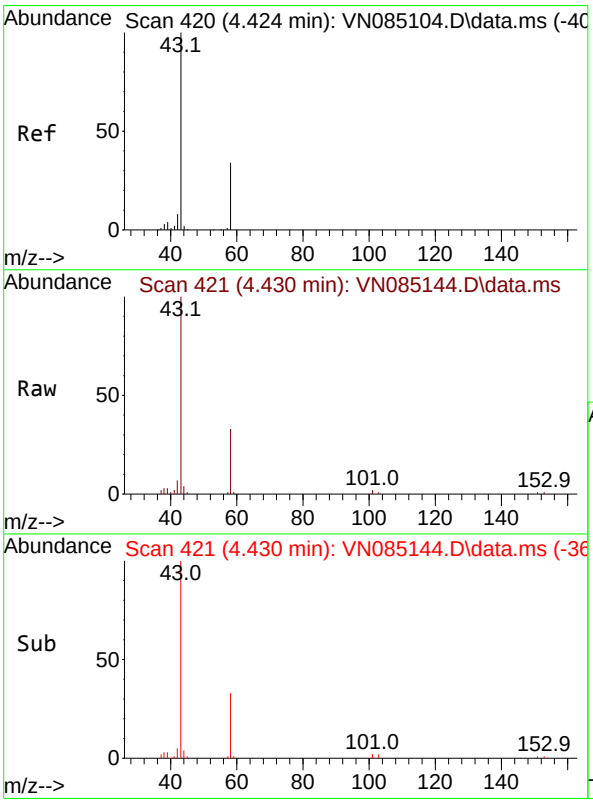
#15
Acrylonitrile
Concen: 94.738 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion: 53 Resp: 83368

Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.5	98.3
51	35.7	28.4	42.6

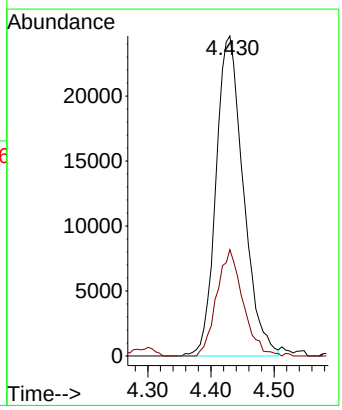


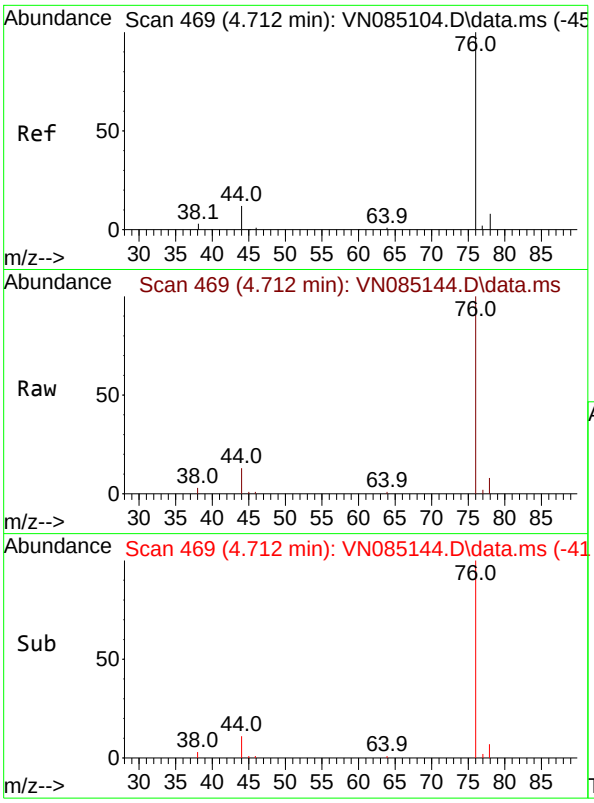


#16
Acetone
Concen: 109.563 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 43 Resp: 74219

Ion	Ratio	Lower	Upper
43	100		
58	33.2	25.4	38.2



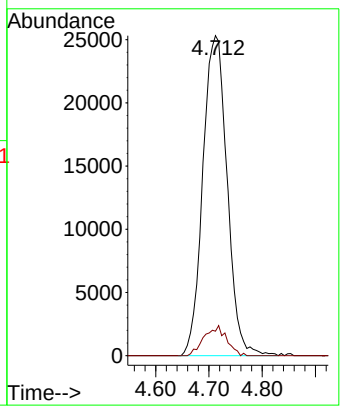


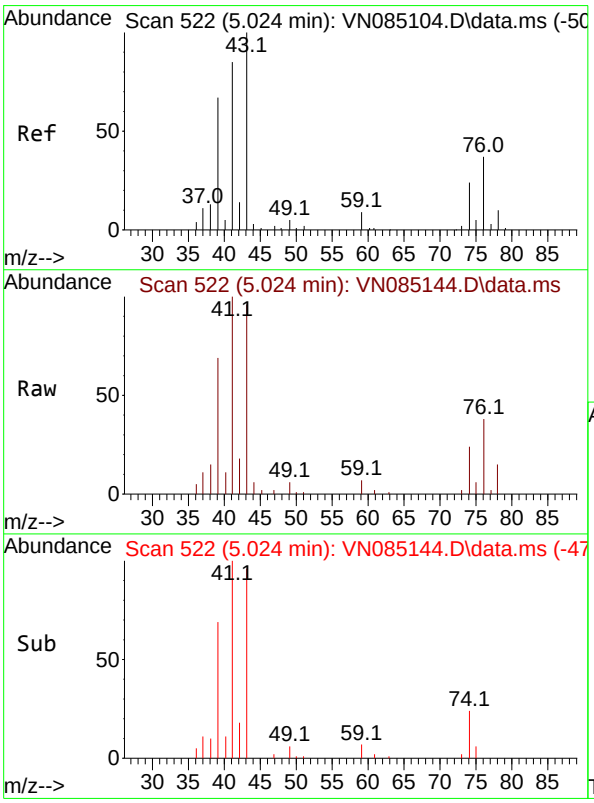
#17
Carbon Disulfide
Concen: 15.679 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.018 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion: 76 Resp: 80210

Ion	Ratio	Lower	Upper
76	100		
78	7.7	6.5	9.7

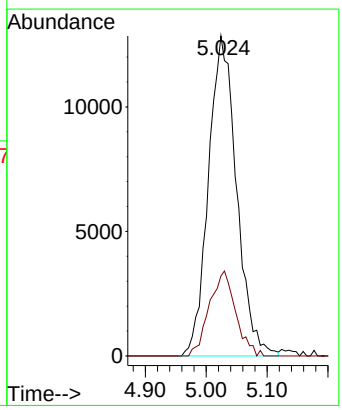


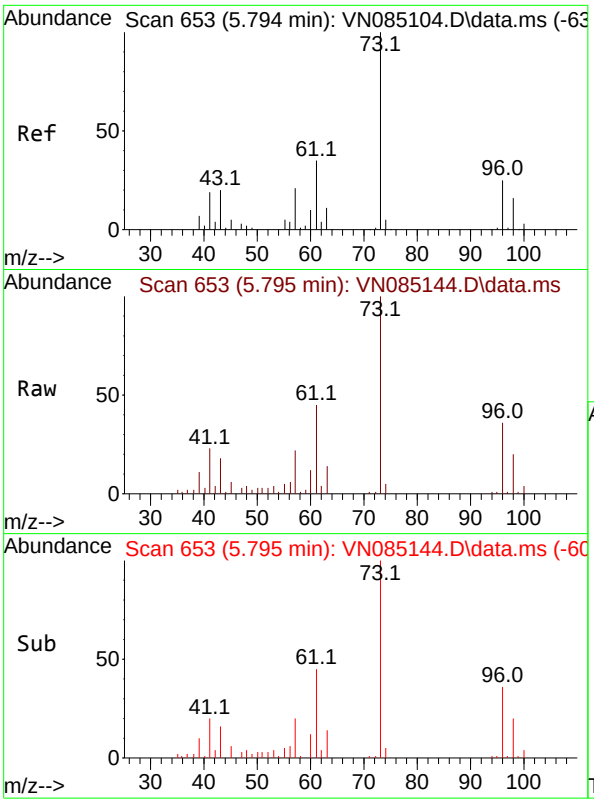


#18
Methyl Acetate
Concen: 18.303 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 43 Resp: 41204

Ion	Ratio	Lower	Upper
43	100		
74	24.8	20.1	30.1



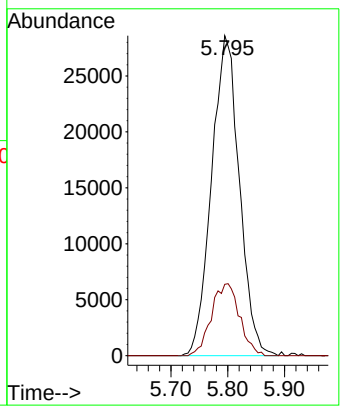


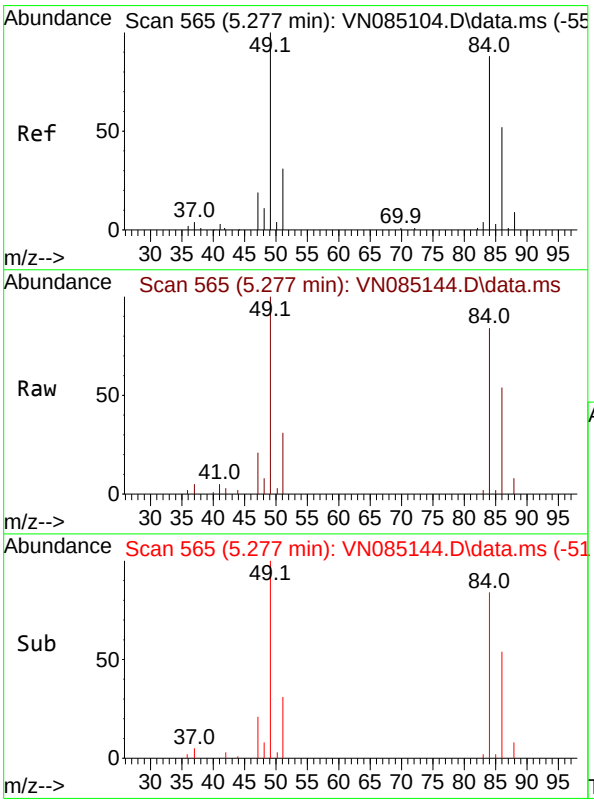
#19
Methyl tert-butyl Ether
Concen: 17.148 ug/l
RT: 5.795 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion: 73 Resp: 97105

Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.0	25.4

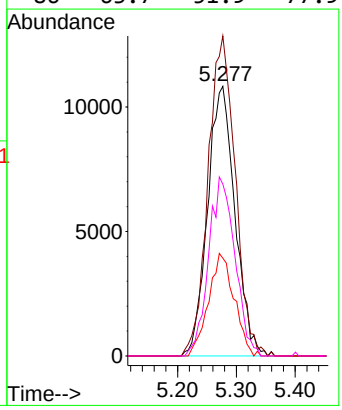


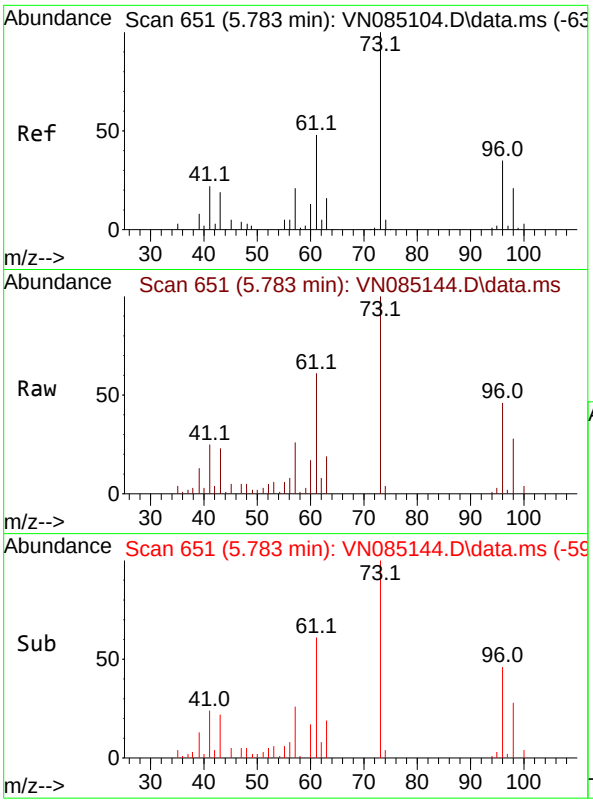


#20
Methylene Chloride
Concen: 16.990 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.012 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 84 Resp: 35121

Ion	Ratio	Lower	Upper
84	100		
49	118.7	92.7	139.1
51	36.3	29.4	44.2
86	63.7	51.9	77.9



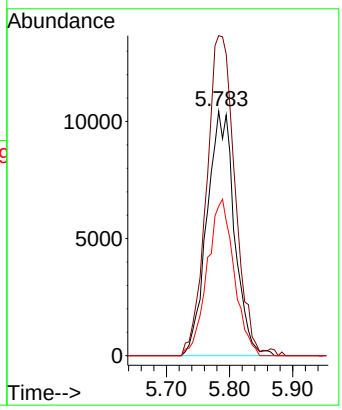


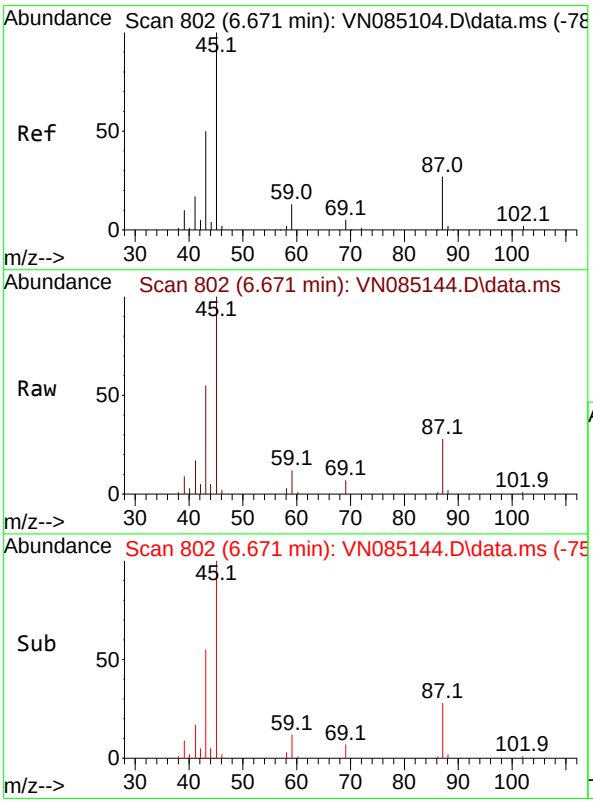
#21
trans-1,2-Dichloroethene
Concen: 17.327 ug/l
RT: 5.783 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion: 96 Resp: 31602

Ion	Ratio	Lower	Upper
96	100		
61	130.9	100.7	151.1
98	61.1	45.8	68.6

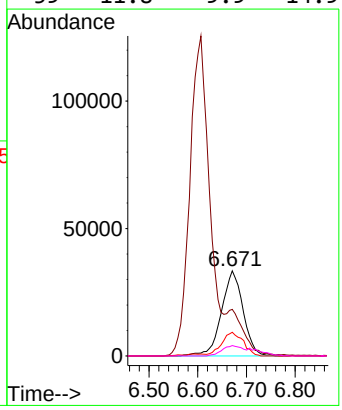


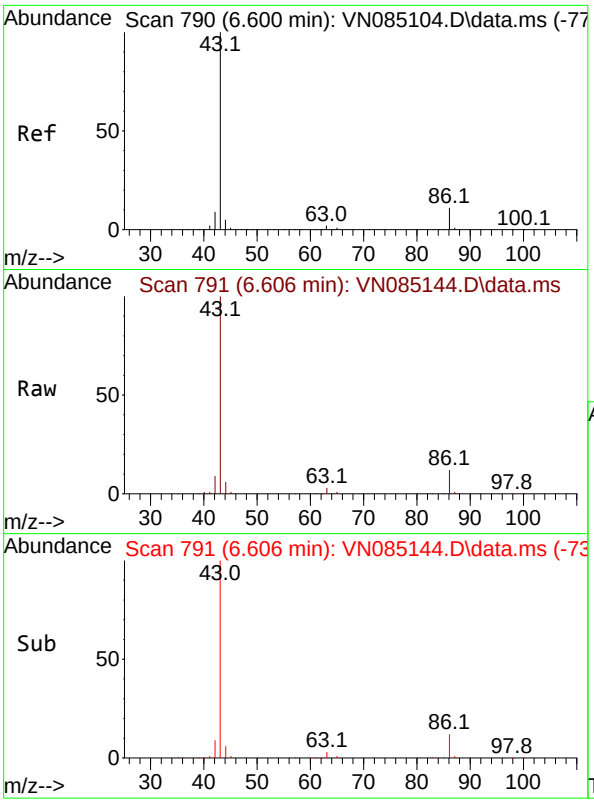


#22
Diisopropyl ether
Concen: 17.523 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 45 Resp: 103043

Ion	Ratio	Lower	Upper
45	100		
43	53.1	42.7	64.1
87	27.8	22.6	34.0
59	11.8	9.9	14.9



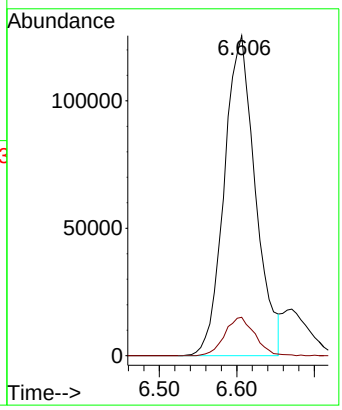


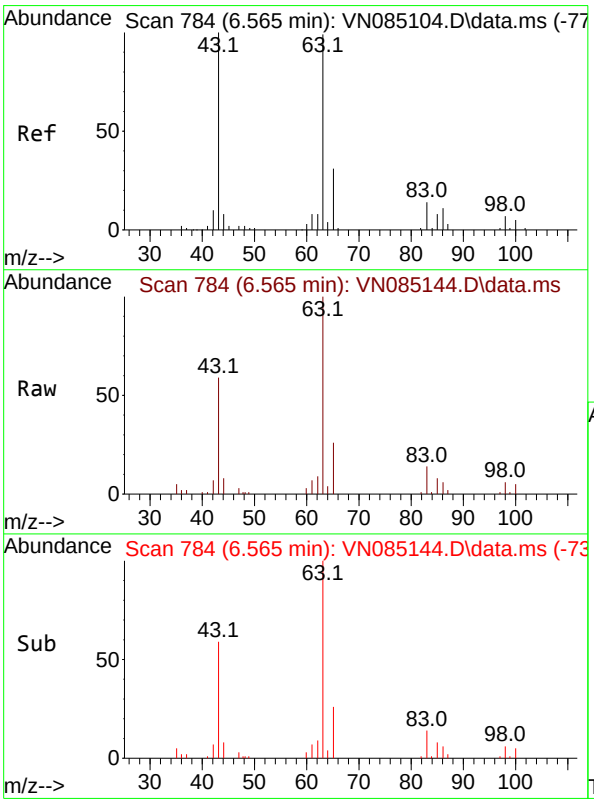
#23
Vinyl Acetate
Concen: 86.565 ug/l
RT: 6.606 min Scan# 7
Delta R.T. 0.012 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion: 43 Resp: 351180

Ion	Ratio	Lower	Upper
43	100		
86	12.0	8.9	13.3

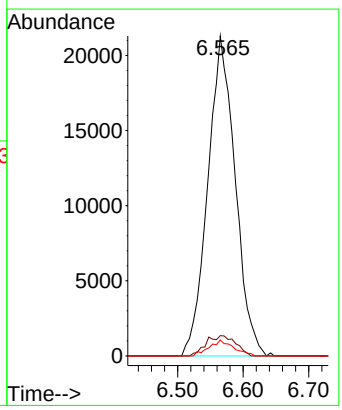


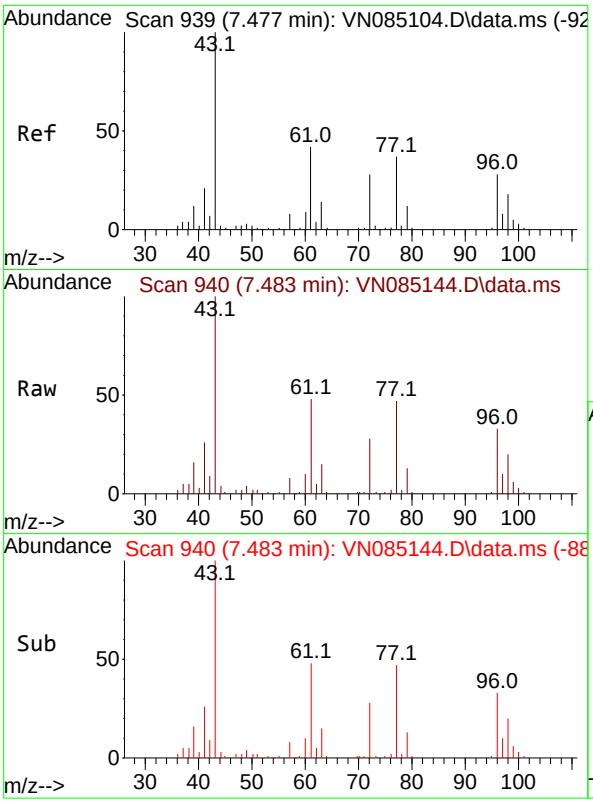


#24
1,1-Dichloroethane
Concen: 17.594 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.012 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 63 Resp: 61913

Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.3	9.8
100	5.0	2.2	6.6



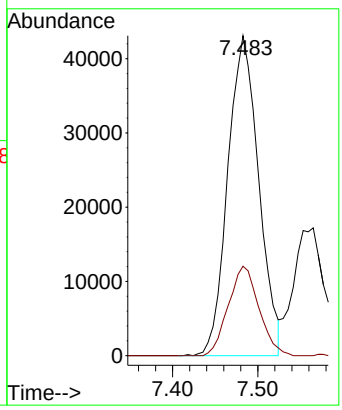


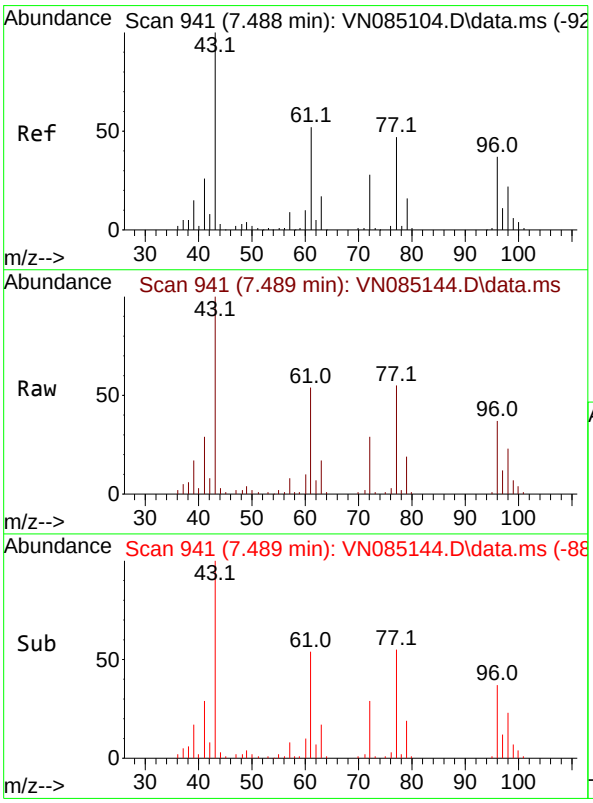
#25
2-Butanone
Concen: 98.232 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion: 43 Resp: 108793

Ion	Ratio	Lower	Upper
43	100		
72	27.9	21.4	32.0

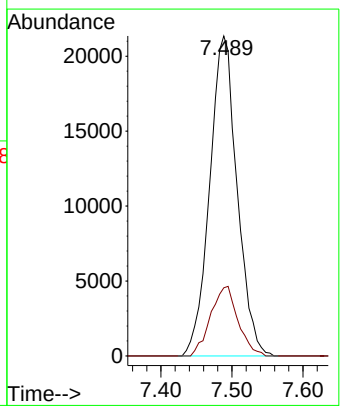


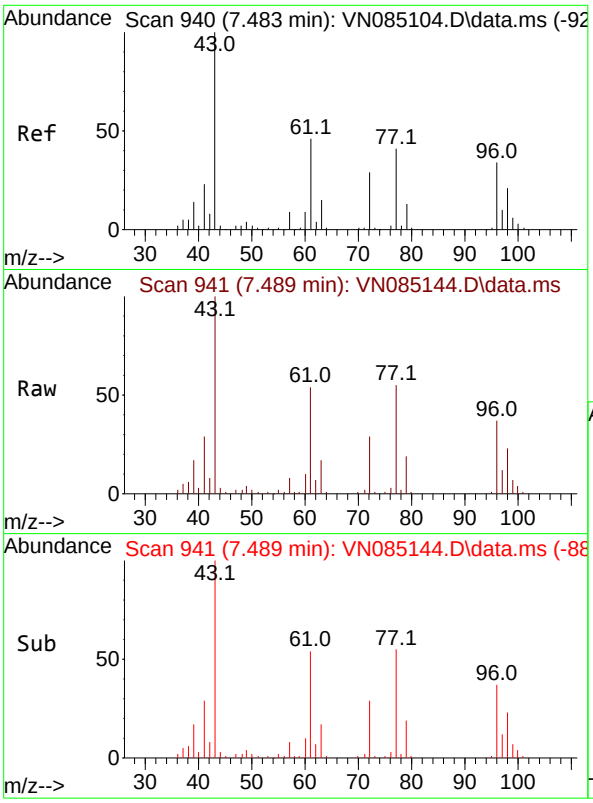


#26
2,2-Dichloropropane
Concen: 17.429 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 77 Resp: 57271

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.9	32.7



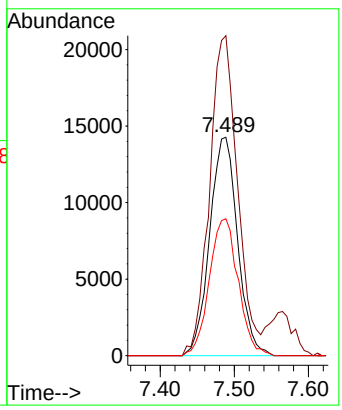


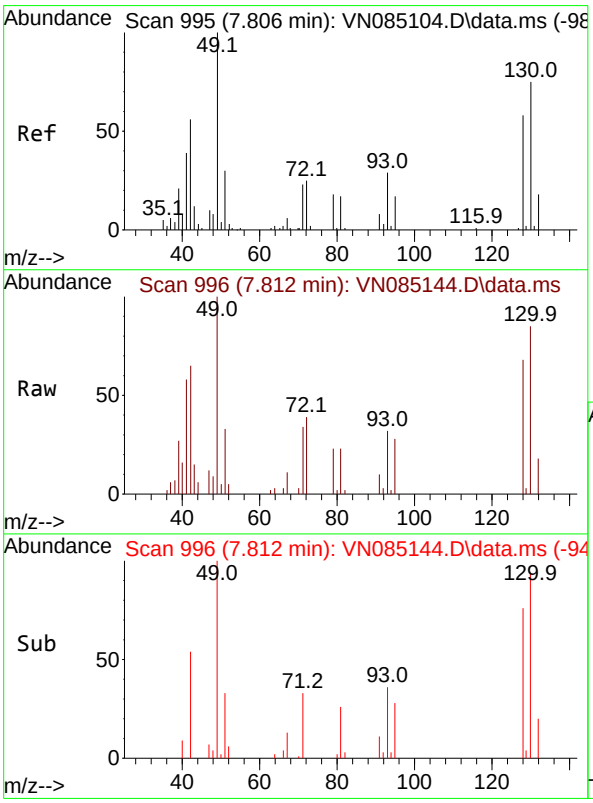
#27
cis-1,2-Dichloroethene
Concen: 17.016 ug/l
RT: 7.489 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion: 96 Resp: 37413

Ion	Ratio	Lower	Upper
96	100		
61	146.4	0.0	291.6
98	64.7	0.0	129.8

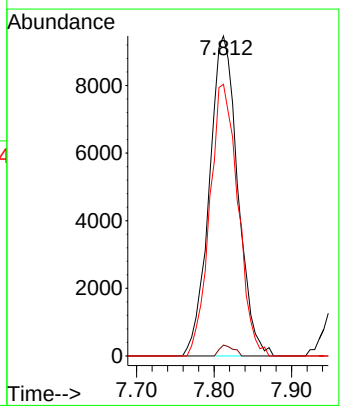


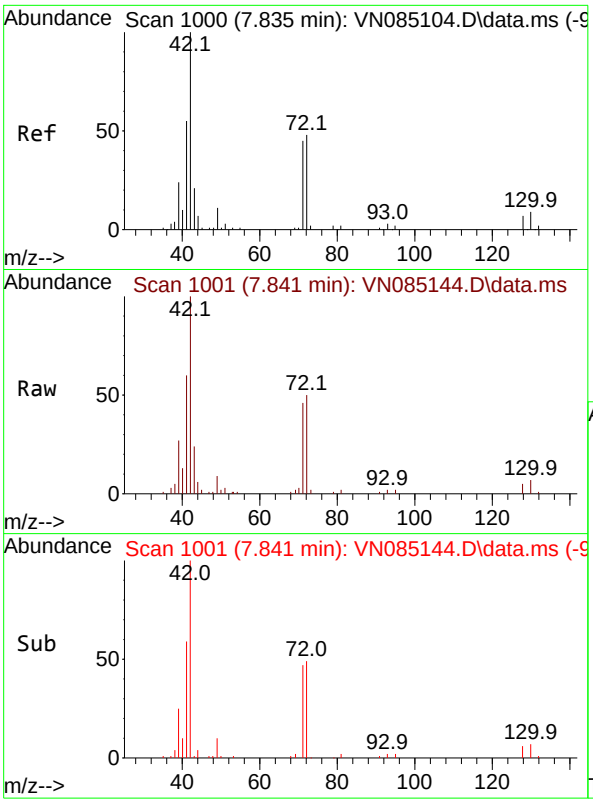


#28
Bromochloromethane
Concen: 18.224 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 49 Resp: 24208

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.0
130	83.8	60.6	90.8



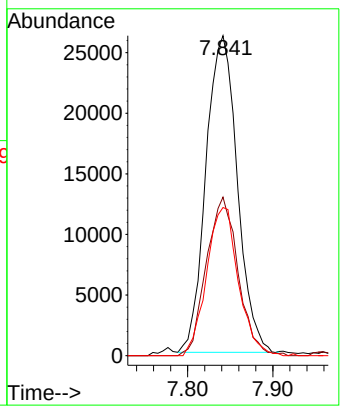


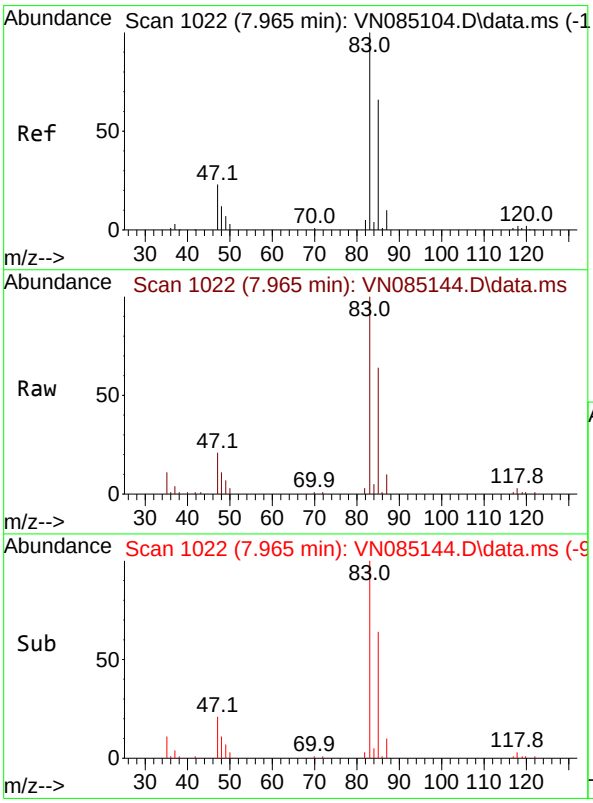
#29
Tetrahydrofuran
Concen: 97.142 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion: 42 Resp: 66904

Ion	Ratio	Lower	Upper
42	100		
72	50.7	37.0	55.4
71	47.4	35.0	52.4

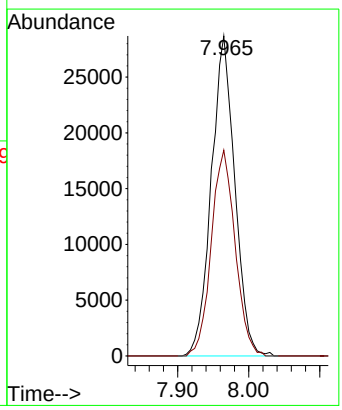


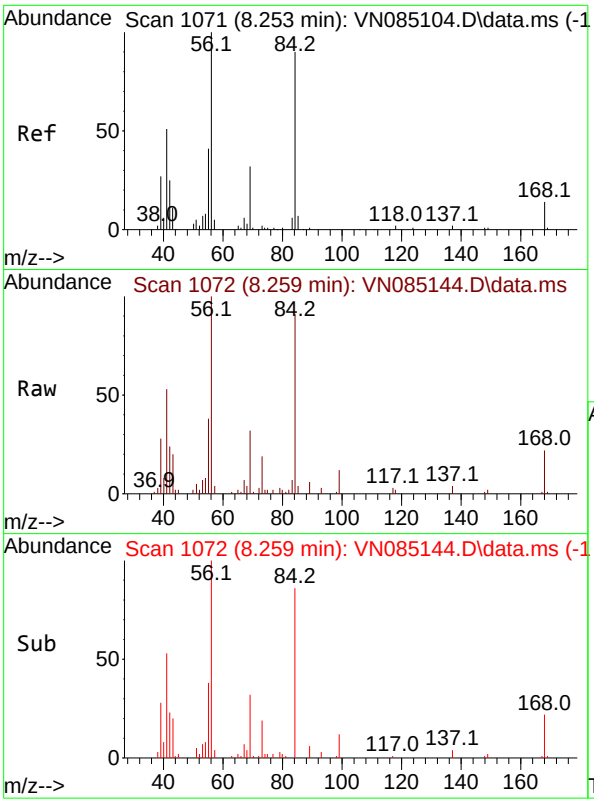


#30
Chloroform
Concen: 17.580 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 83 Resp: 65806

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.6	78.8



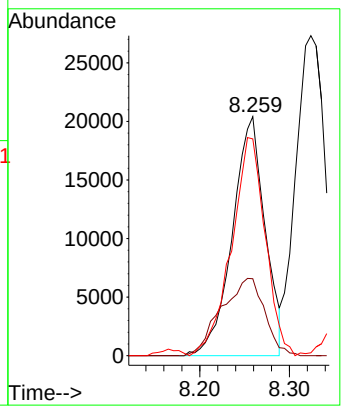


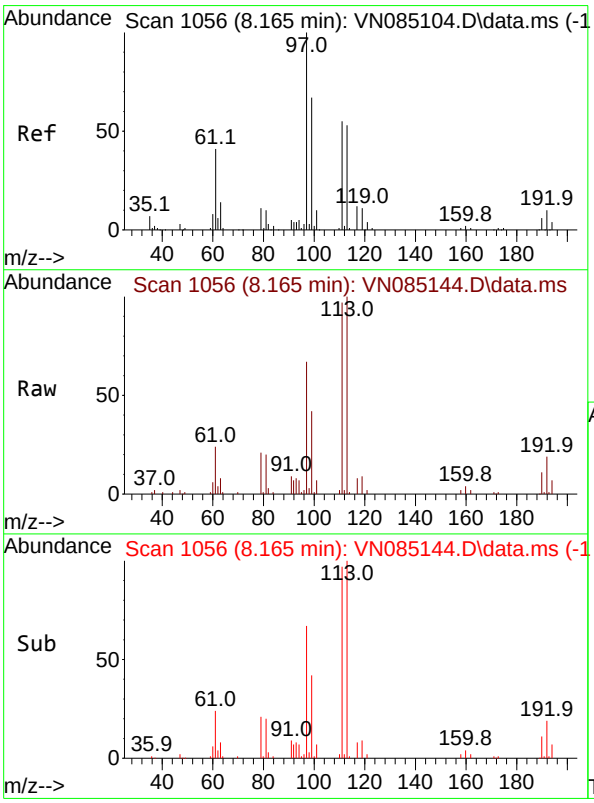
#31
Cyclohexane
Concen: 16.611 ug/l
RT: 8.259 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion: 56 Resp: 51467

Ion	Ratio	Lower	Upper
56	100		
69	32.2	24.6	36.8
84	88.5	71.4	107.2

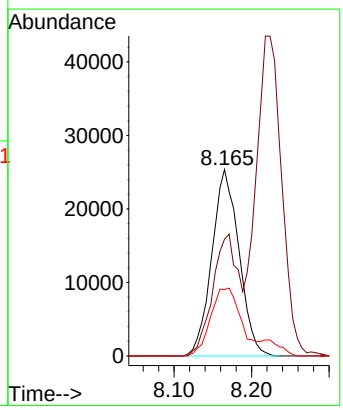


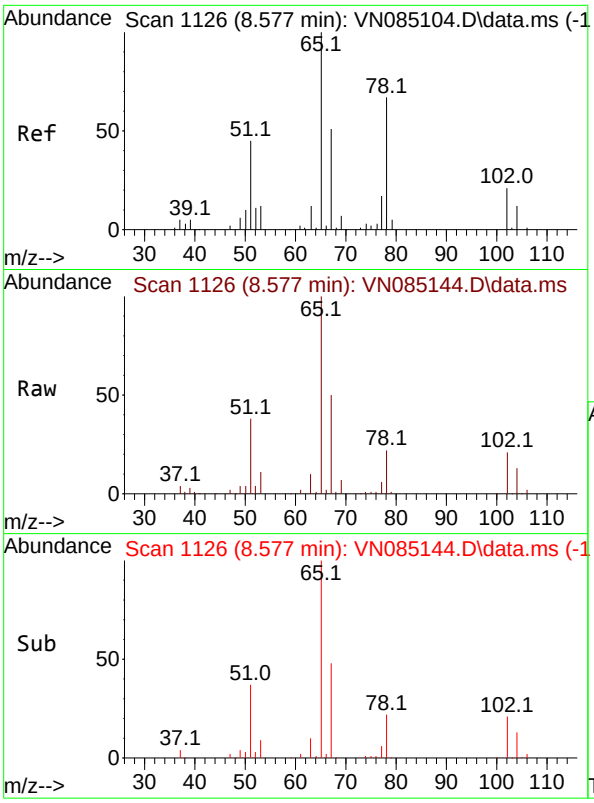


#32
1,1,1-Trichloroethane
Concen: 18.262 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 97 Resp: 61775

Ion	Ratio	Lower	Upper
97	100		
99	61.8	51.0	76.4
61	40.7	36.2	54.2



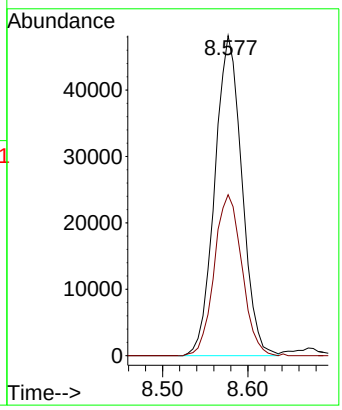


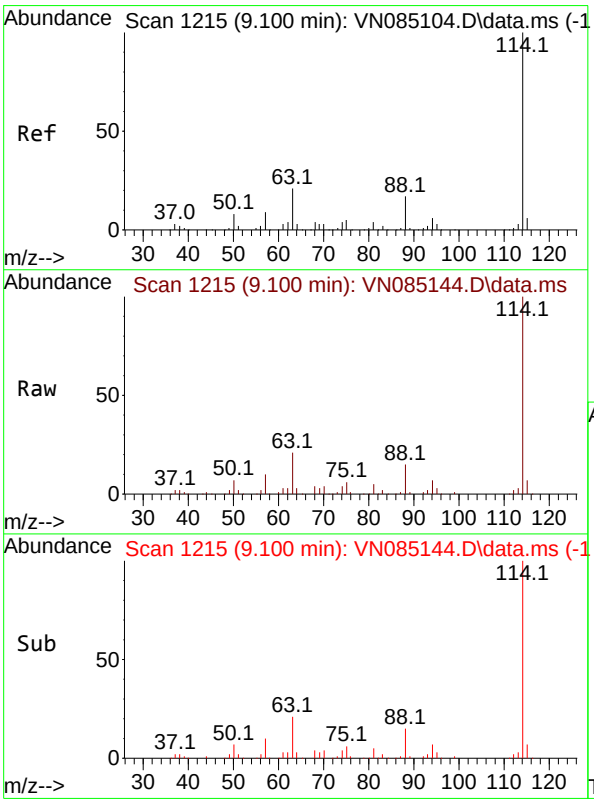
#33
1,2-Dichloroethane-d4
Concen: 45.770 ug/l
RT: 8.577 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion: 65 Resp: 106459

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	105.0

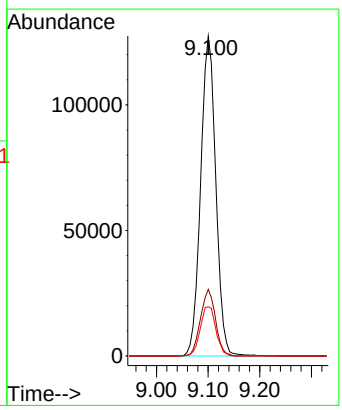


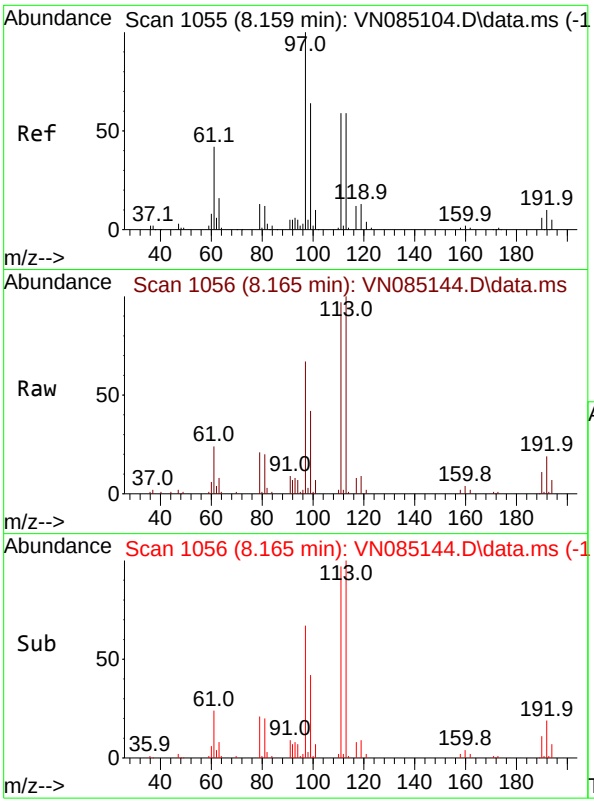


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:114 Resp: 259546

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	41.0
88	15.3	0.0	34.8



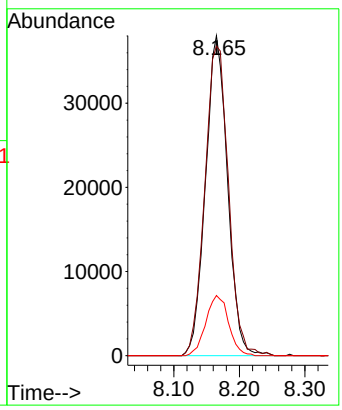


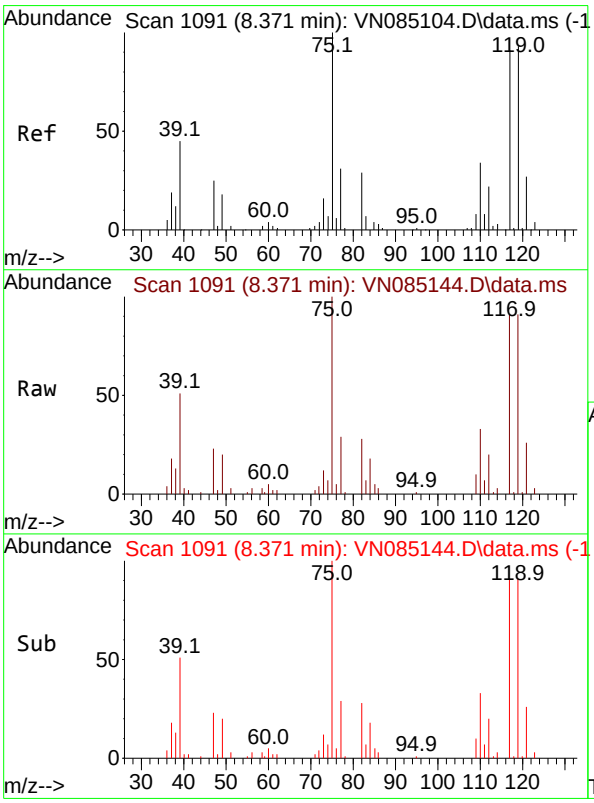
#35
Dibromofluoromethane
Concen: 50.875 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion:113 Resp: 89046

Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.0	123.0
192	19.4	14.8	22.2

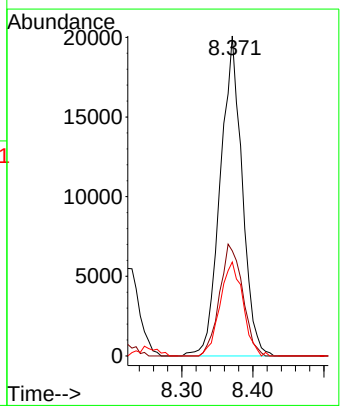


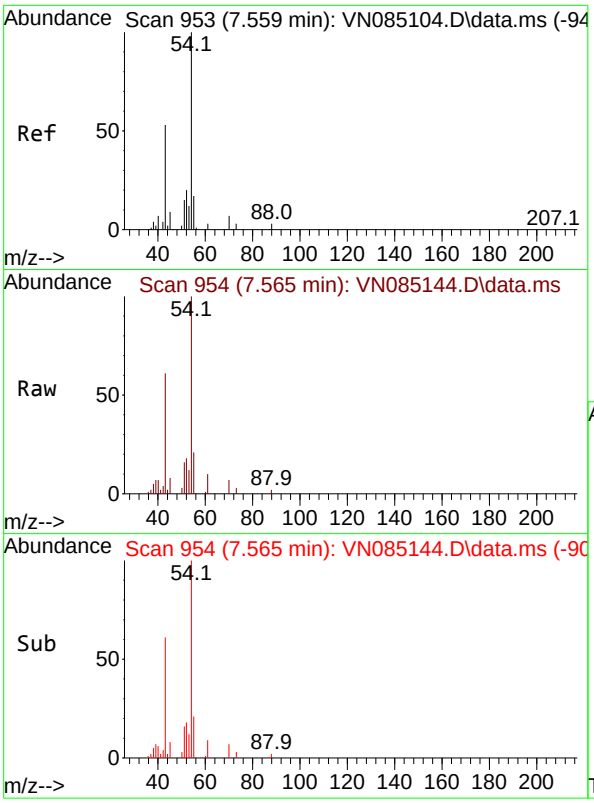


#36
1,1-Dichloropropene
Concen: 18.075 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 75 Resp: 42851

Ion	Ratio	Lower	Upper
75	100		
110	36.9	17.2	51.6
77	30.8	24.2	36.4



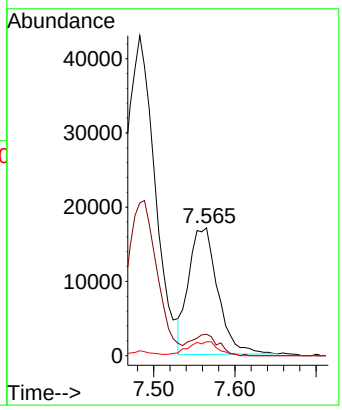


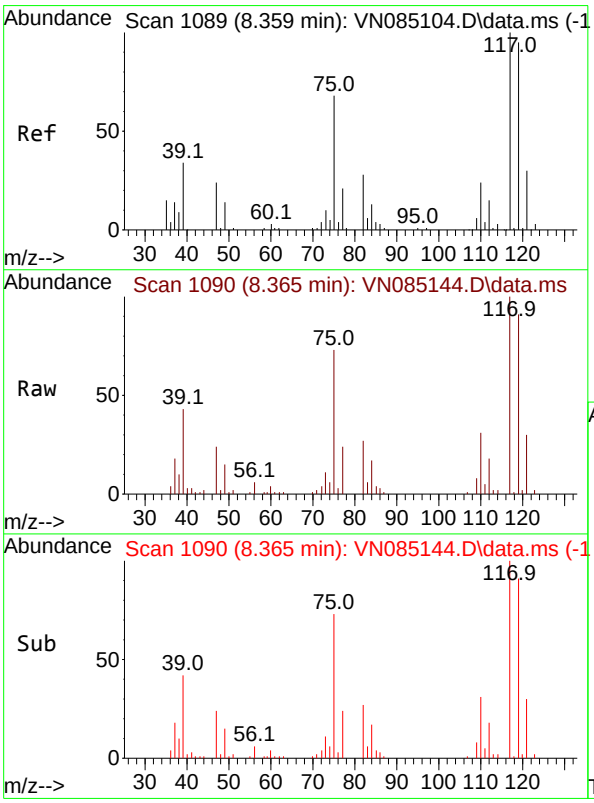
#37
Ethyl Acetate
Concen: 19.744 ug/l
RT: 7.565 min Scan# 9
Delta R.T. 0.012 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion: 43 Resp: 42554

Ion	Ratio	Lower	Upper
43	100		
61	16.0	11.7	17.5
70	11.6	9.3	13.9

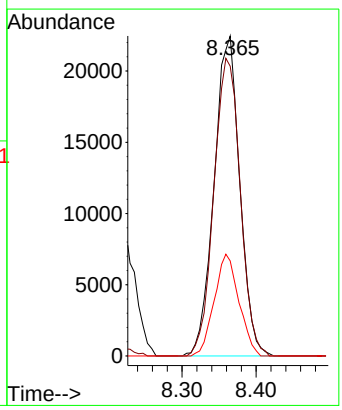


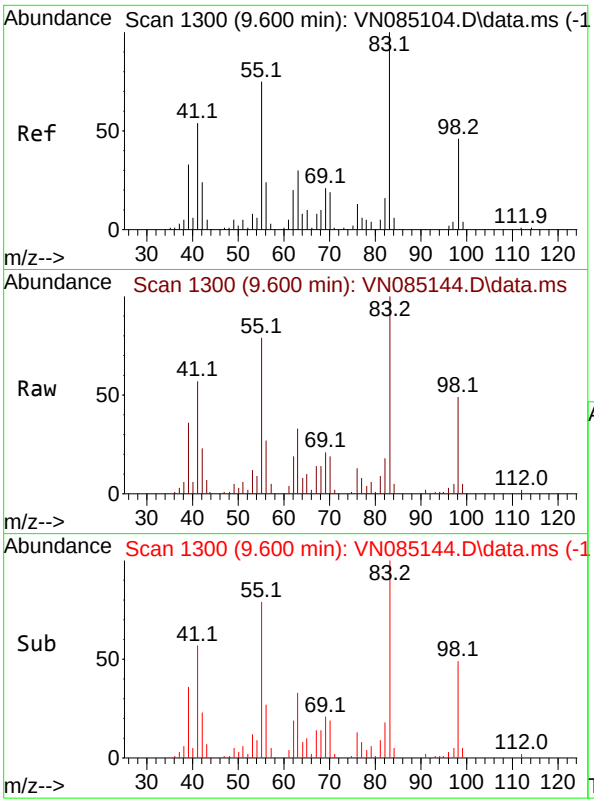


#38
Carbon Tetrachloride
Concen: 19.750 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.012 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:117 Resp: 54048

Ion	Ratio	Lower	Upper
117	100		
119	90.5	78.6	117.8
121	29.7	24.2	36.2



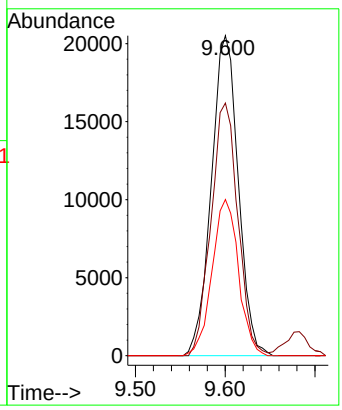


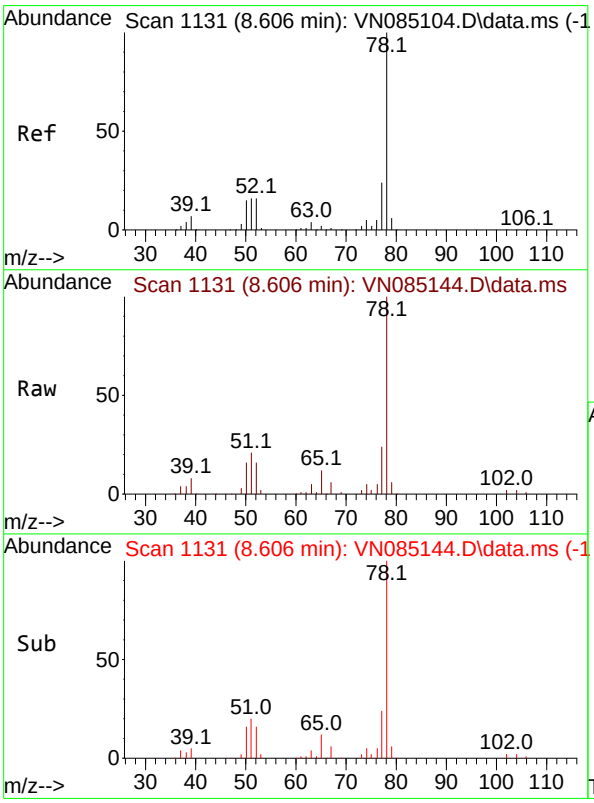
#39
Methylcyclohexane
Concen: 17.347 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion: 83 Resp: 42735

Ion	Ratio	Lower	Upper
83	100		
55	79.0	61.8	92.6
98	48.8	37.0	55.6

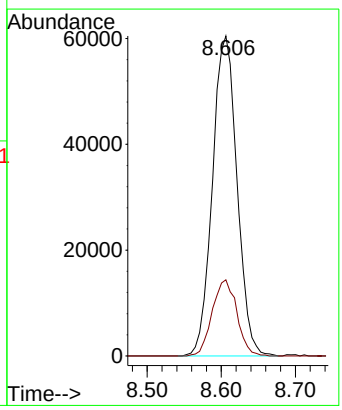


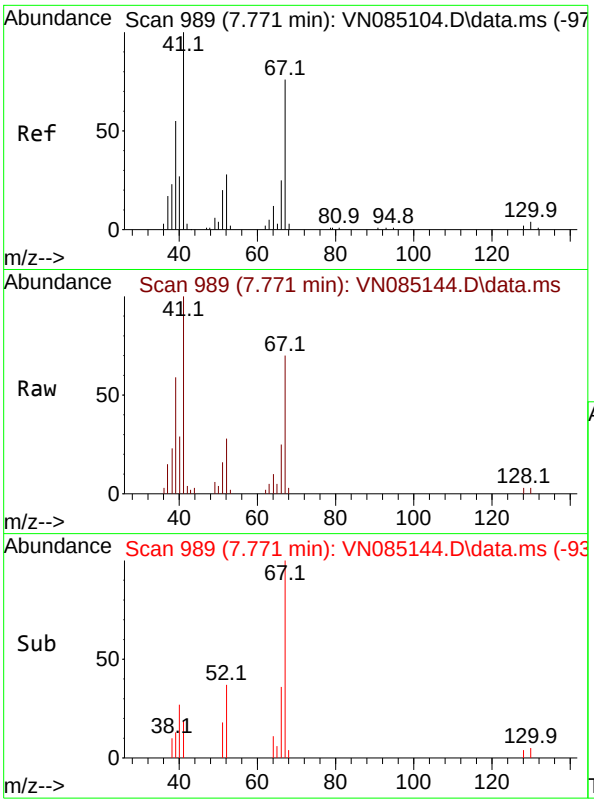


#40
Benzene
Concen: 18.573 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 78 Resp: 139262

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.5	27.7



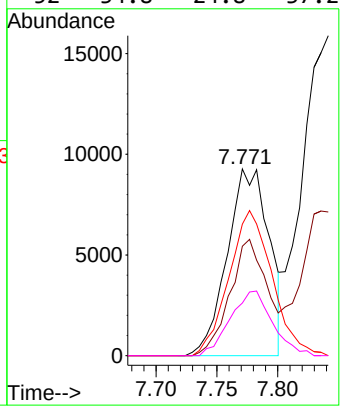


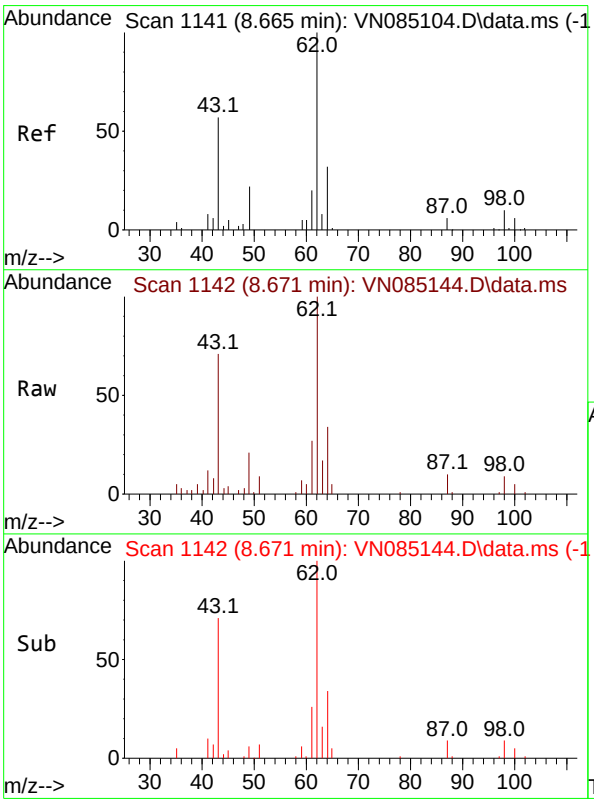
#41
Methacrylonitrile
Concen: 18.646 ug/l
RT: 7.771 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion: 41 Resp: 22251

Ion	Ratio	Lower	Upper
41	100		
39	55.1	42.6	63.8
67	80.1	59.9	89.9
52	34.8	24.8	37.2

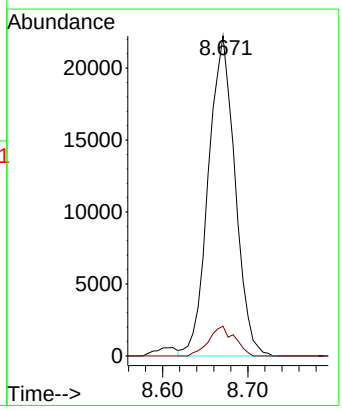


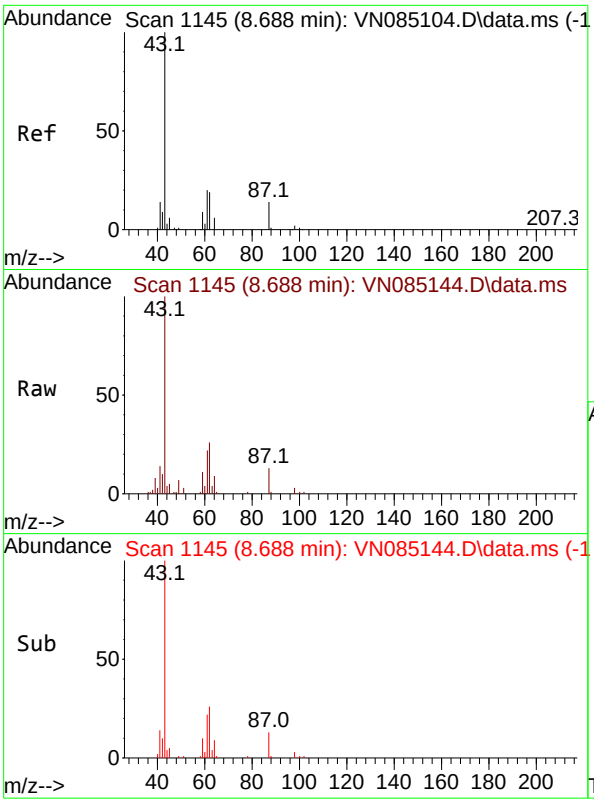


#42
1,2-Dichloroethane
Concen: 18.845 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 62 Resp: 48342

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.2



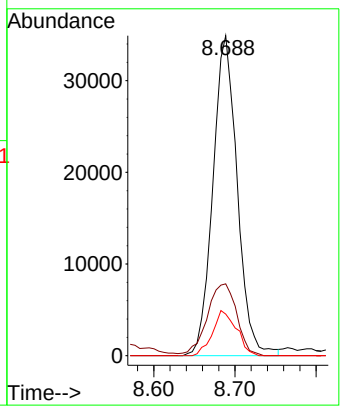


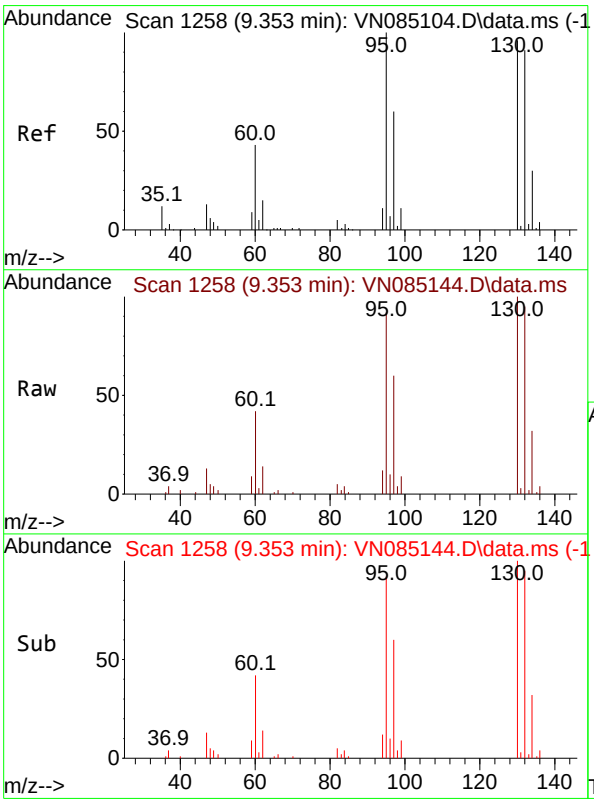
#43
Isopropyl Acetate
Concen: 16.245 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion: 43 Resp: 72727

Ion	Ratio	Lower	Upper
43	100		
61	27.3	20.6	30.8
87	13.9	11.0	16.4

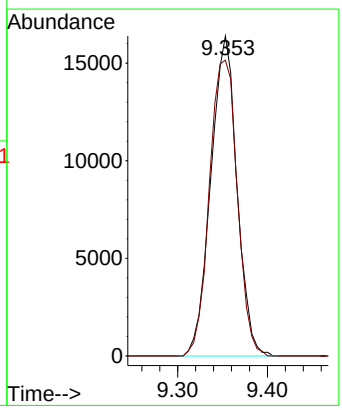


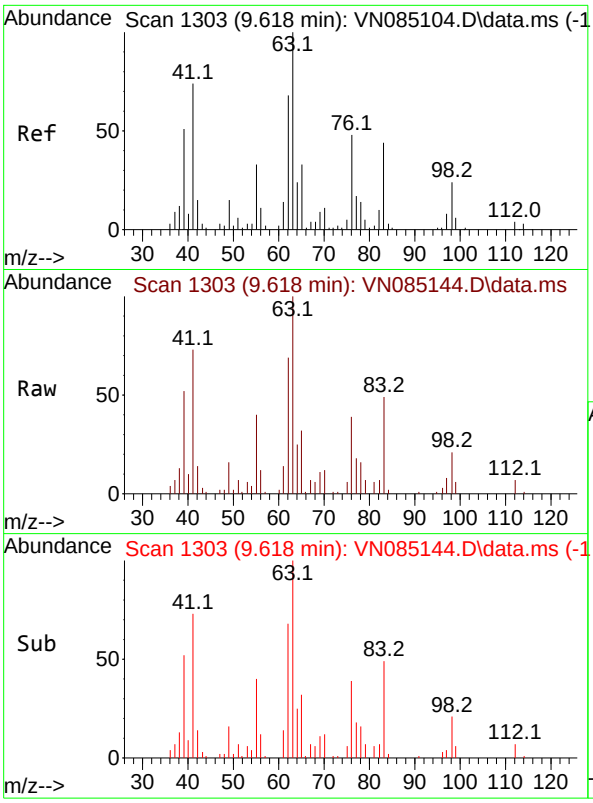


#44
Trichloroethene
Concen: 19.010 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:130 Resp: 33126

Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	213.4



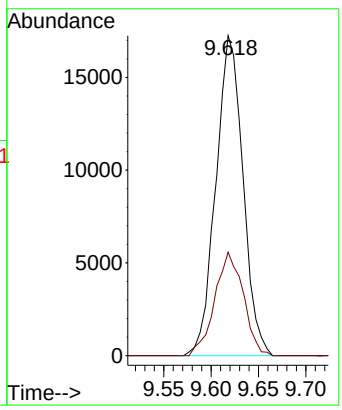


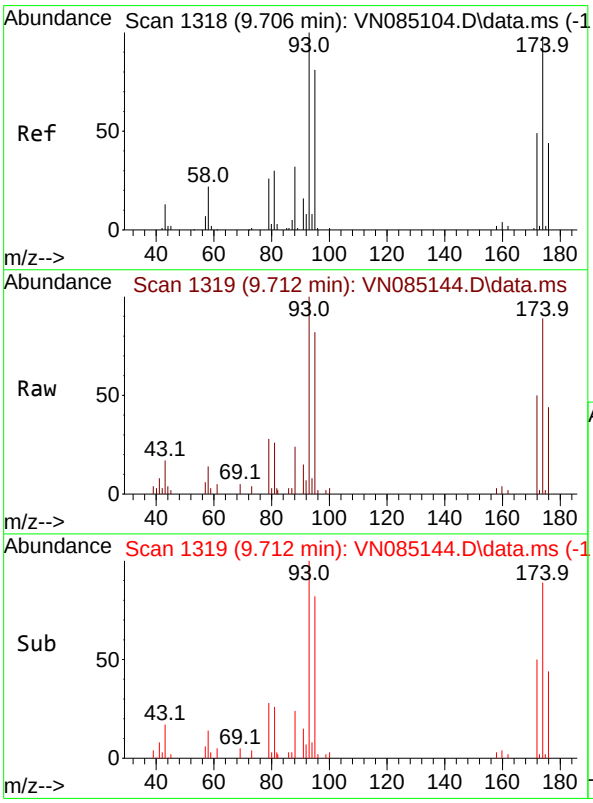
#45
1,2-Dichloropropane
Concen: 18.593 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion: 63 Resp: 34338

Ion	Ratio	Lower	Upper
63	100		
65	32.4	24.0	36.0

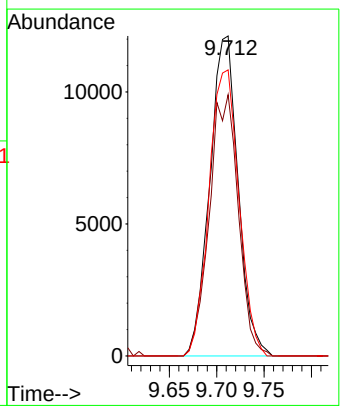


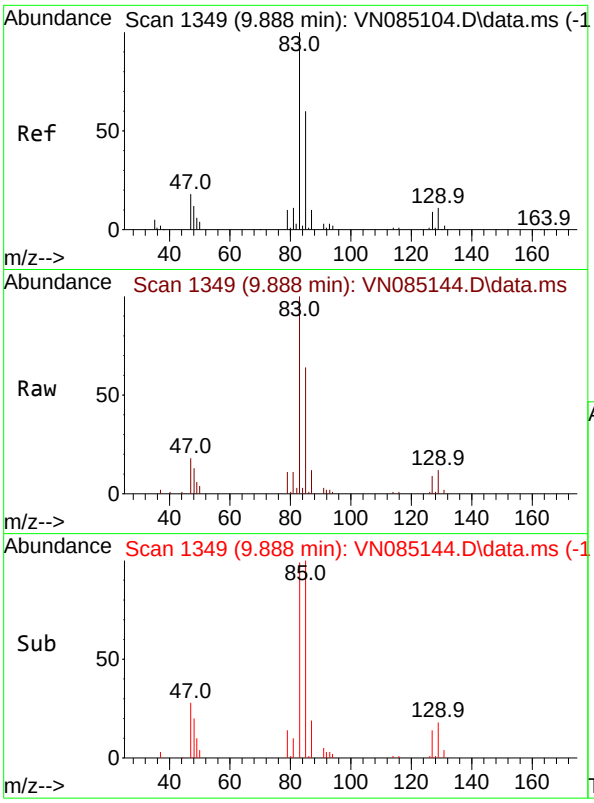


#46
Dibromomethane
Concen: 19.674 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 93 Resp: 25247

Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.2	99.4
174	94.2	74.9	112.3



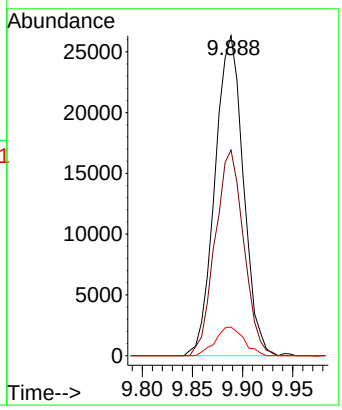


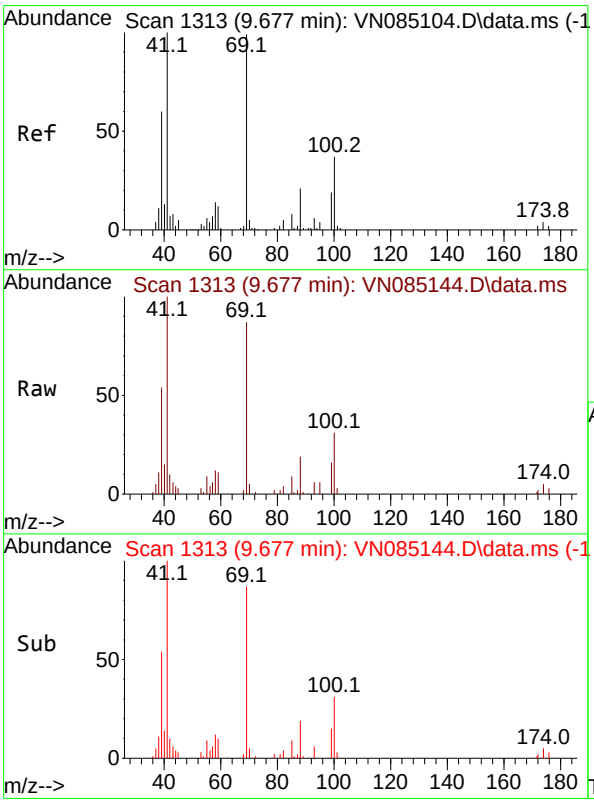
#47
Bromodichloromethane
Concen: 19.002 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion: 83 Resp: 51682

Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.5	75.7
127	9.0	7.1	10.7

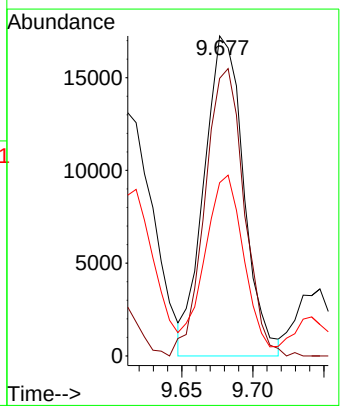


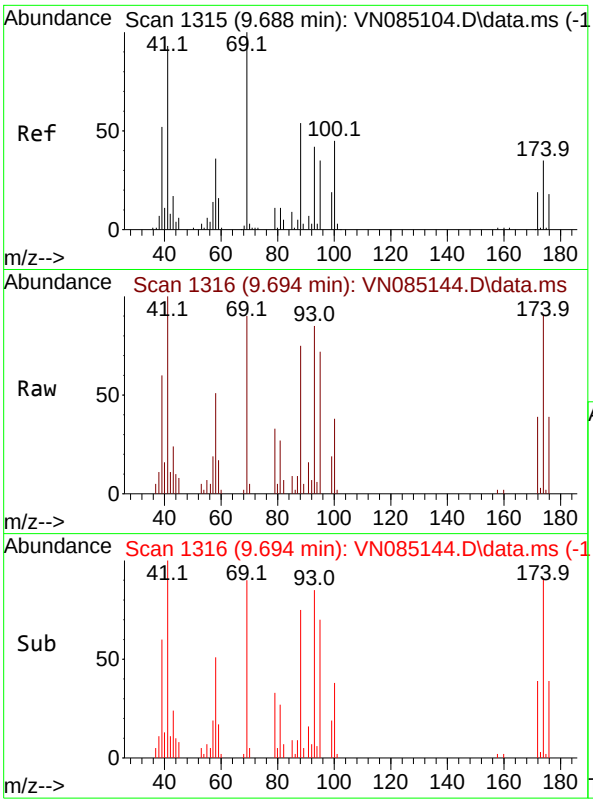


#48
Methyl methacrylate
Concen: 20.109 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 41 Resp: 33500

Ion	Ratio	Lower	Upper
41	100		
69	88.5	73.2	109.8
39	56.1	46.2	69.4



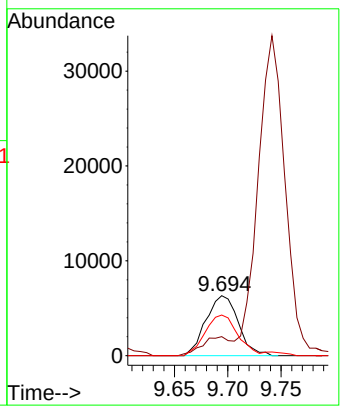


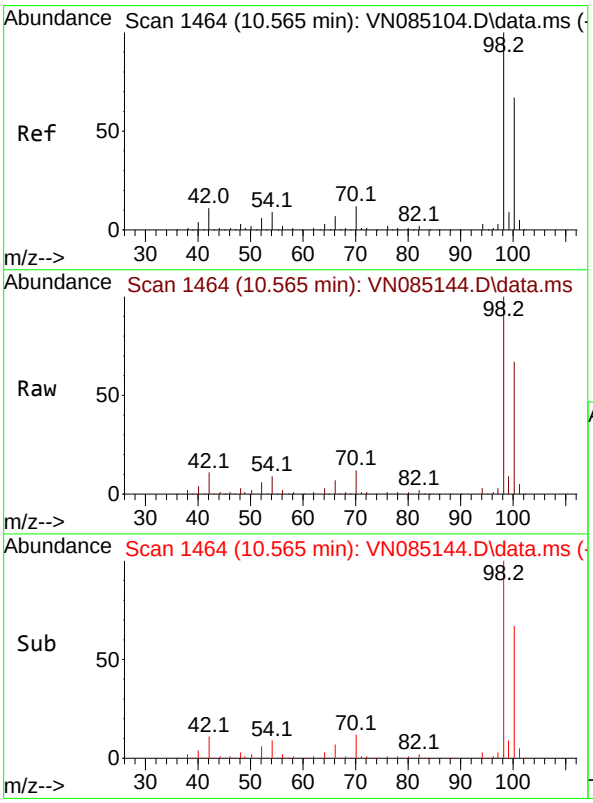
#49
1,4-Dioxane
Concen: 461.086 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion: 88 Resp: 13321

Ion	Ratio	Lower	Upper
88	100		
43	29.8	16.7	25.1#
58	69.0	56.5	84.7

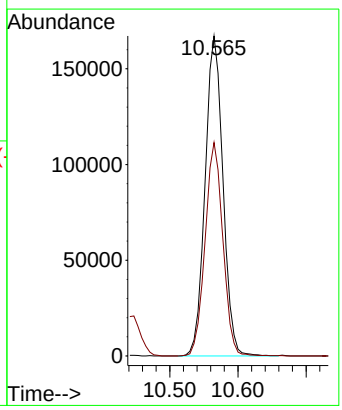


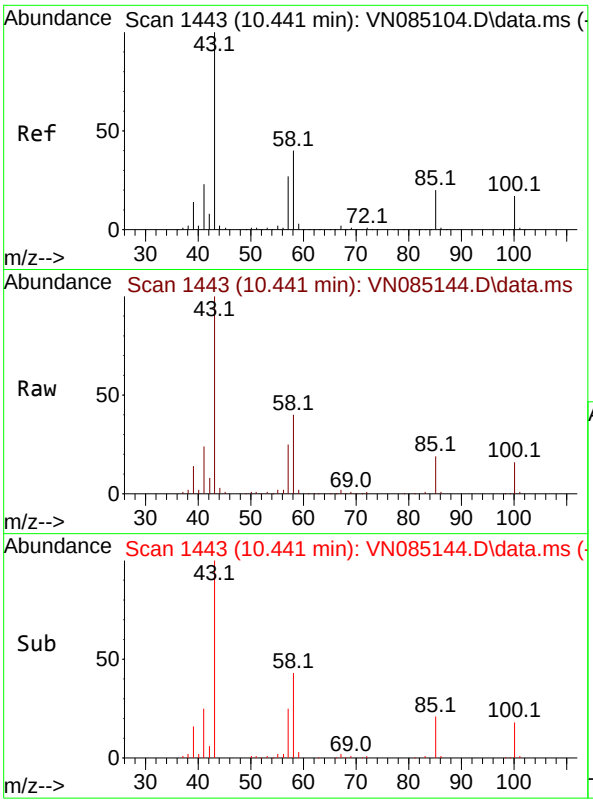


#50
Toluene-d8
Concen: 48.643 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 98 Resp: 305121

Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.5	78.7



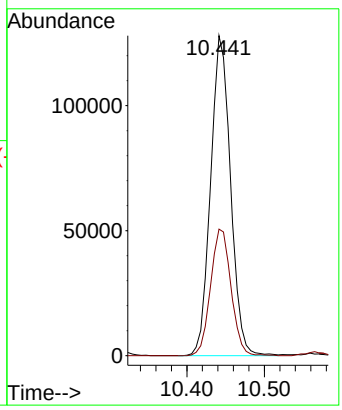


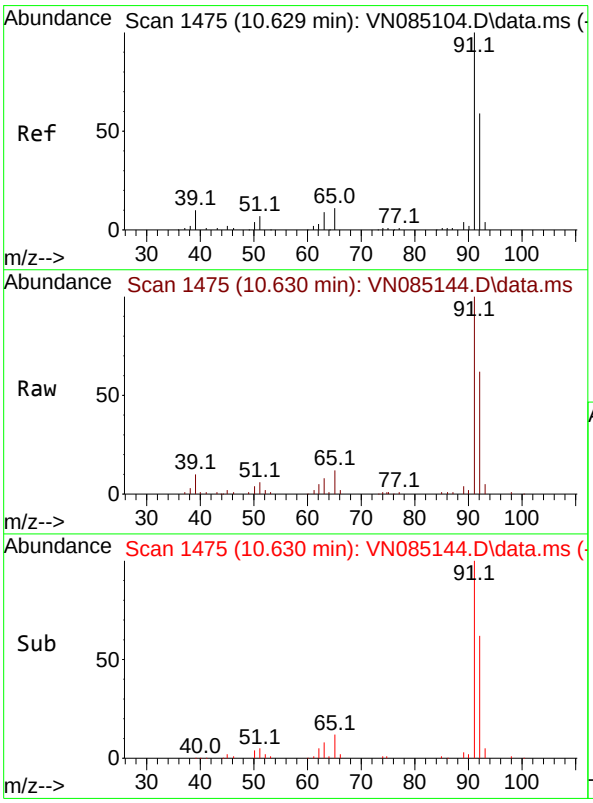
#51
4-Methyl-2-Pentanone
Concen: 111.838 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion: 43 Resp: 228689

Ion	Ratio	Lower	Upper
43	100		
58	40.5	32.1	48.1

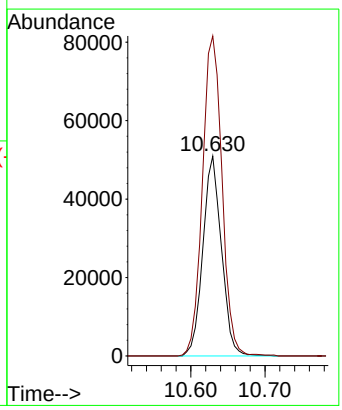


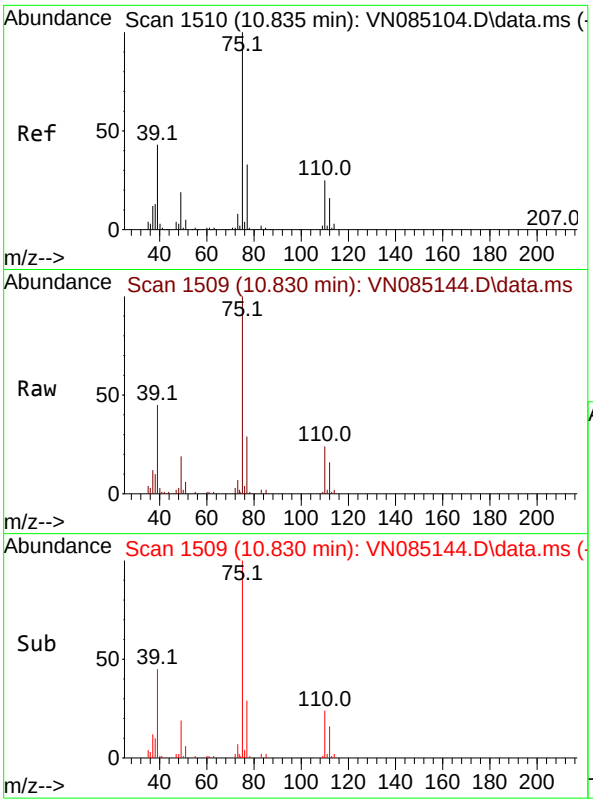


#52
Toluene
Concen: 20.025 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 92 Resp: 88892

Ion	Ratio	Lower	Upper
92	100		
91	168.5	136.7	205.1



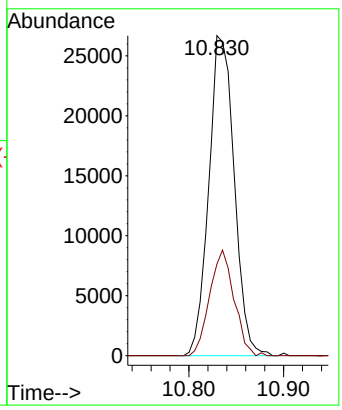


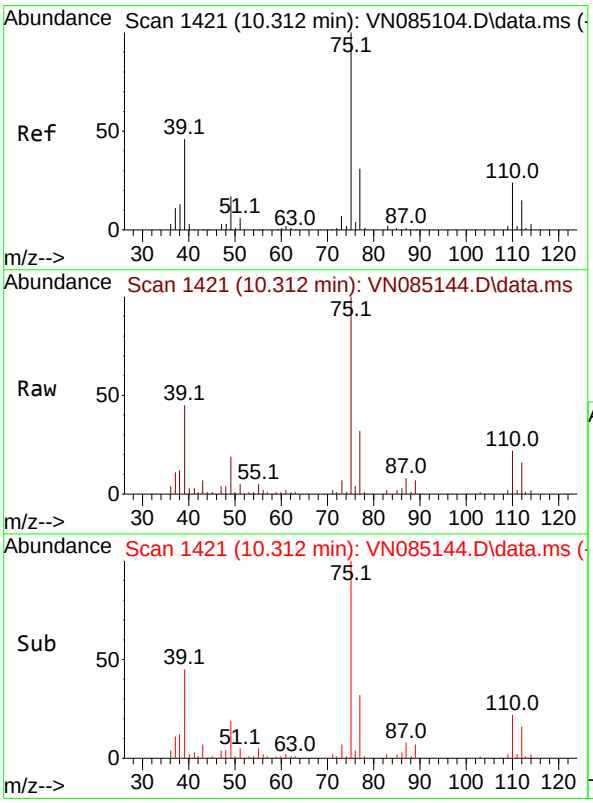
#53
t-1,3-Dichloropropene
Concen: 18.255 ug/l
RT: 10.830 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion: 75 Resp: 49777

Ion	Ratio	Lower	Upper
75	100		
77	28.6	25.0	37.4

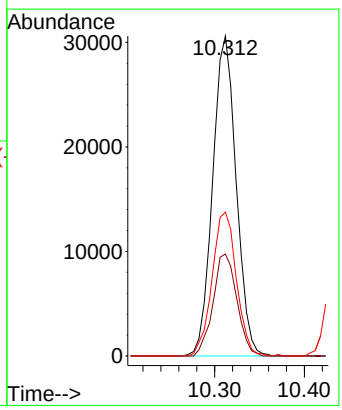


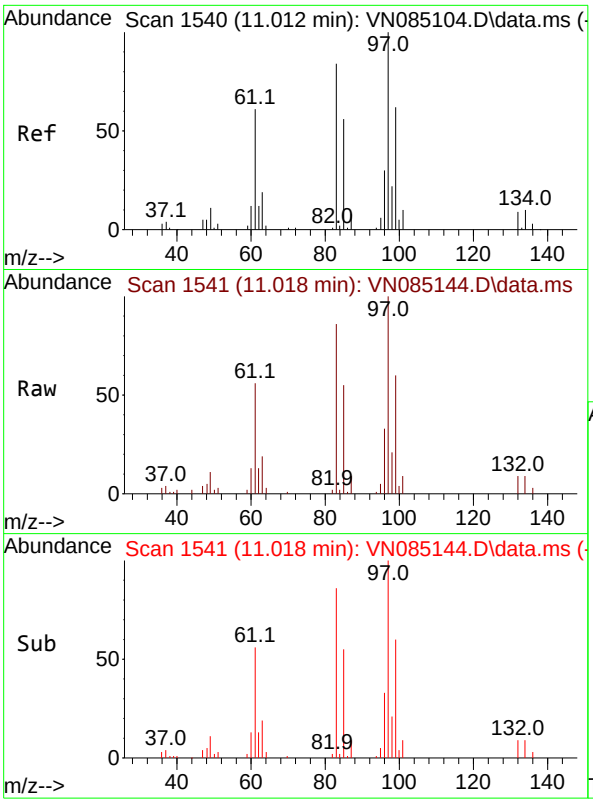


#54
cis-1,3-Dichloropropene
Concen: 19.228 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 75 Resp: 55624

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.0	37.4
39	44.9	37.6	56.4



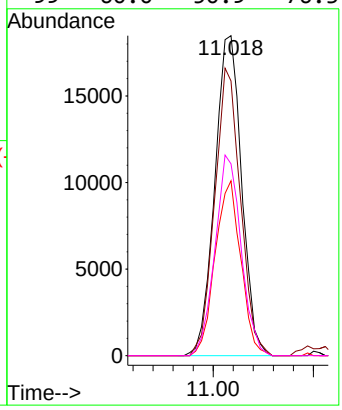


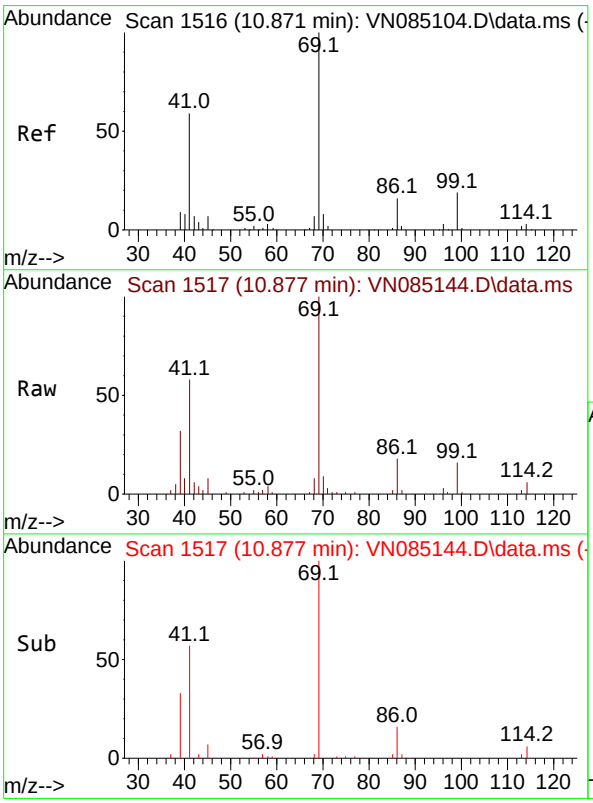
#55
1,1,2-Trichloroethane
Concen: 20.727 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion: 97 Resp: 34271

Ion	Ratio	Lower	Upper
97	100		
83	85.8	67.4	101.2
85	54.6	43.1	64.7
99	60.0	50.9	76.3

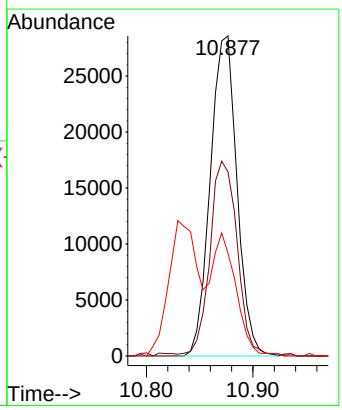


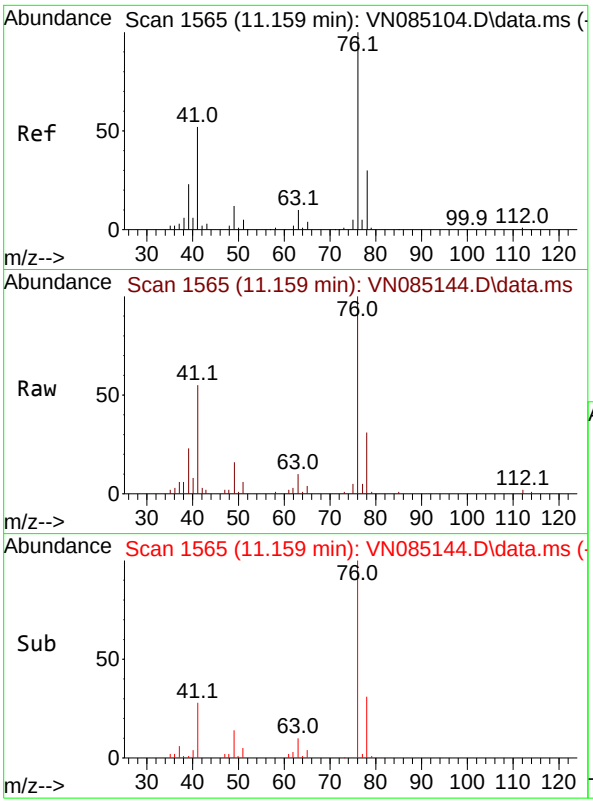


#56
Ethyl methacrylate
Concen: 20.617 ug/l
RT: 10.877 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 69 Resp: 49811

Ion	Ratio	Lower	Upper
69	100		
41	62.2	50.0	75.0
39	35.7	27.0	40.6



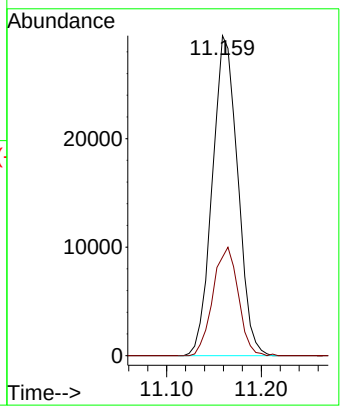


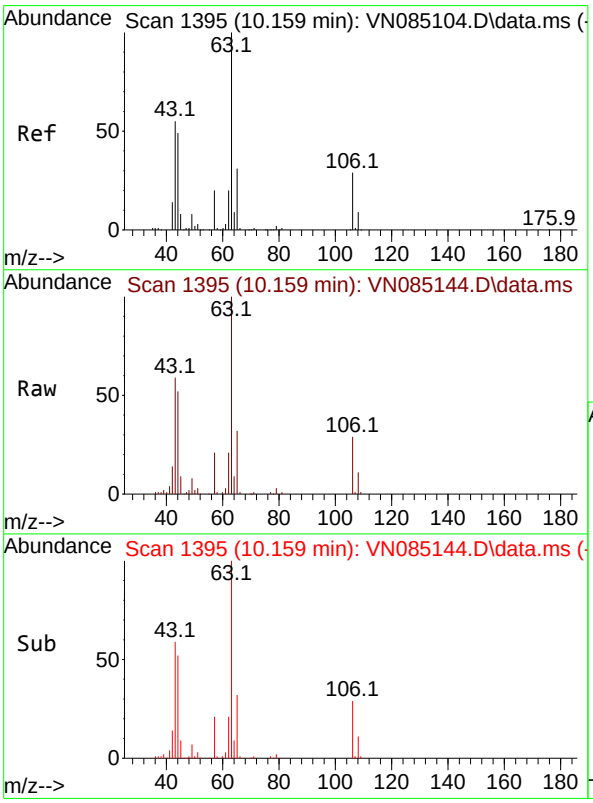
#57
1,3-Dichloropropane
Concen: 18.863 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion: 76 Resp: 54891

Ion	Ratio	Lower	Upper
76	100		
78	33.9	26.1	39.1

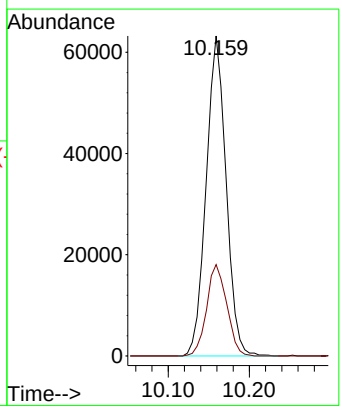


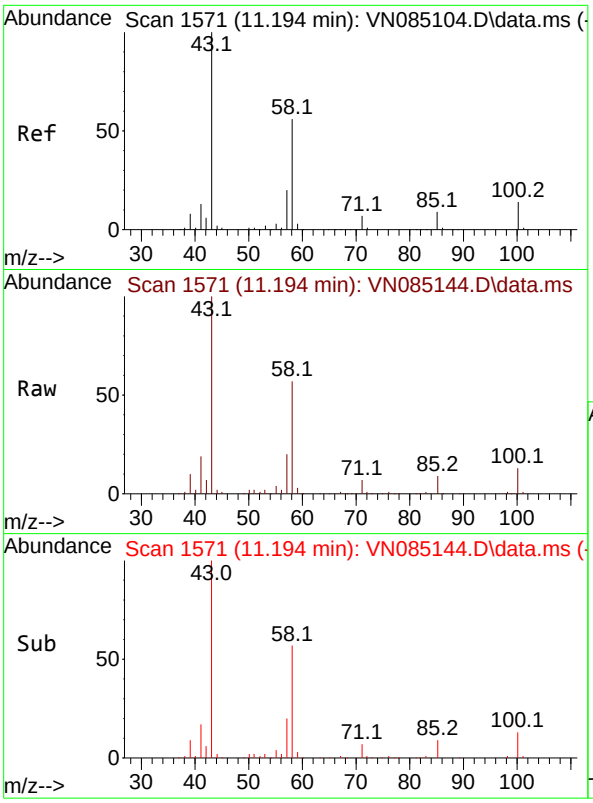


#58
2-Chloroethyl Vinyl ether
Concen: 90.899 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 63 Resp: 107728

Ion	Ratio	Lower	Upper
63	100		
106	28.8	23.0	34.6



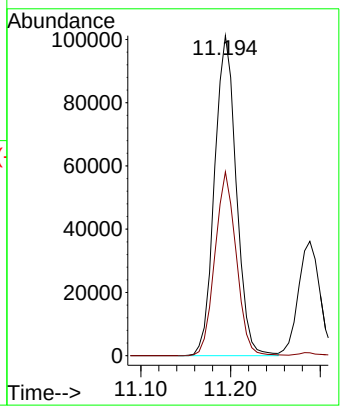


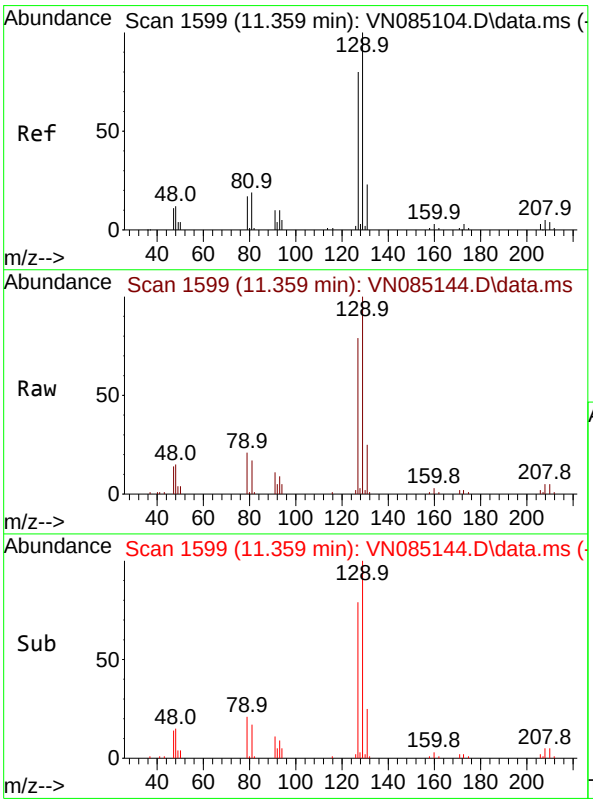
#59
2-Hexanone
Concen: 111.153 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion: 43 Resp: 169991

Ion	Ratio	Lower	Upper
43	100		
58	56.3	28.3	85.0

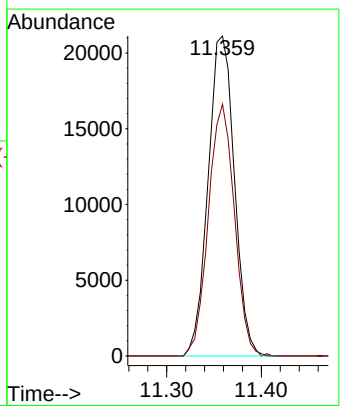


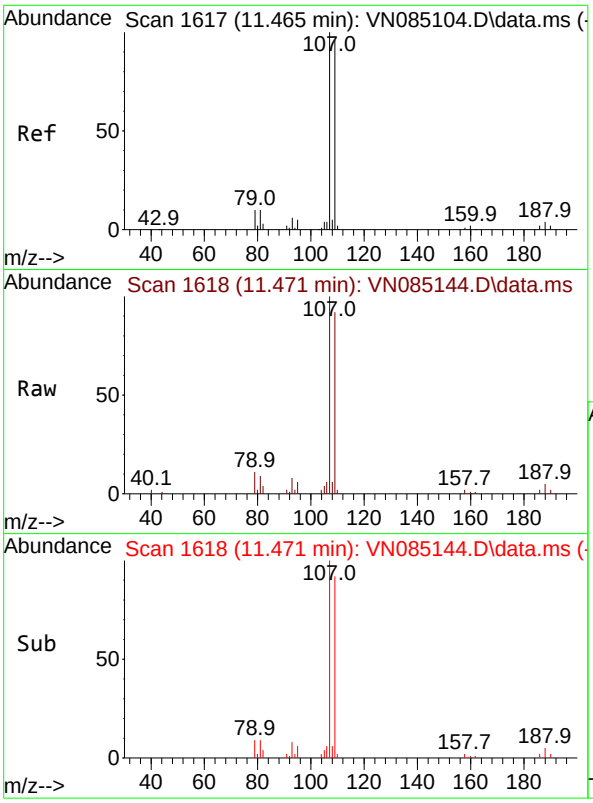


#60
Dibromochloromethane
Concen: 20.181 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:129 Resp: 40779

Ion	Ratio	Lower	Upper
129	100		
127	77.8	39.2	117.6



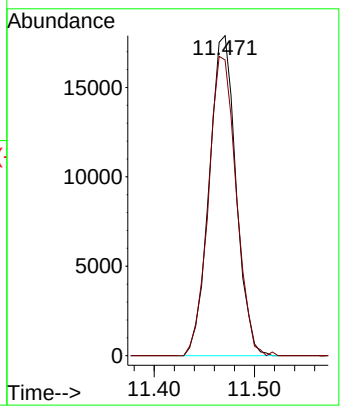


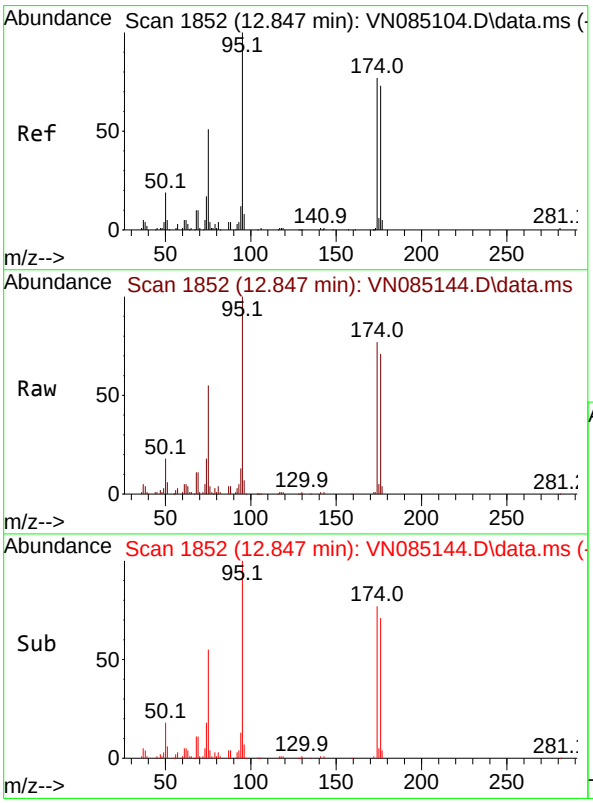
#61
1,2-Dibromoethane
Concen: 19.372 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion:107 Resp: 33148

Ion	Ratio	Lower	Upper
107	100		
109	96.7	76.1	114.1

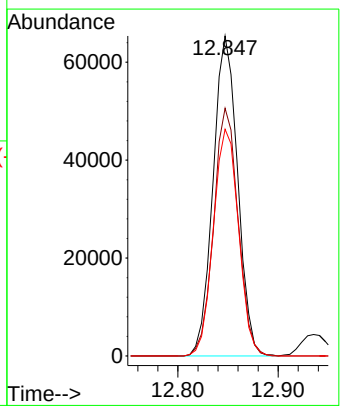


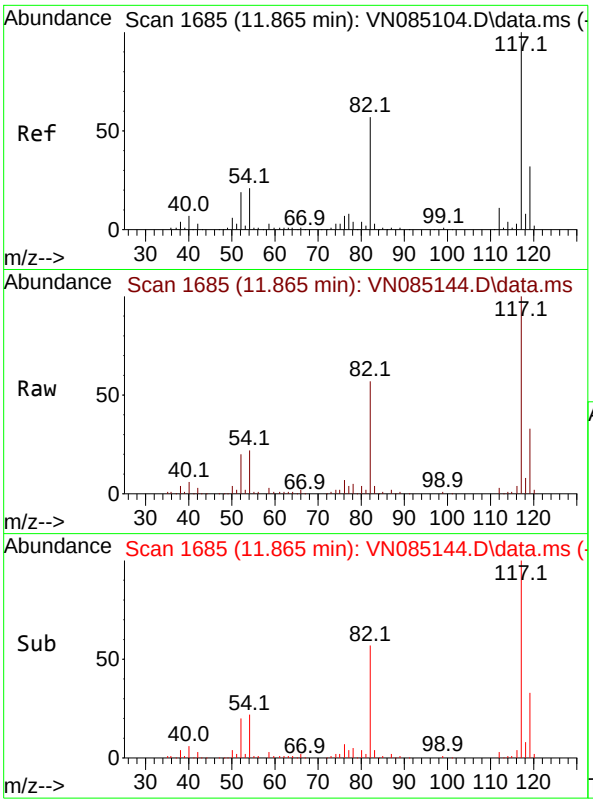


#62
4-Bromofluorobenzene
Concen: 47.272 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 95 Resp: 110888

Ion	Ratio	Lower	Upper
95	100		
174	77.2	0.0	146.6
176	72.7	0.0	141.8



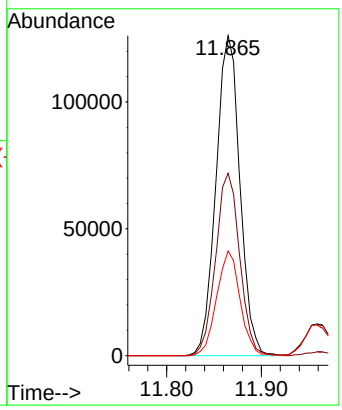


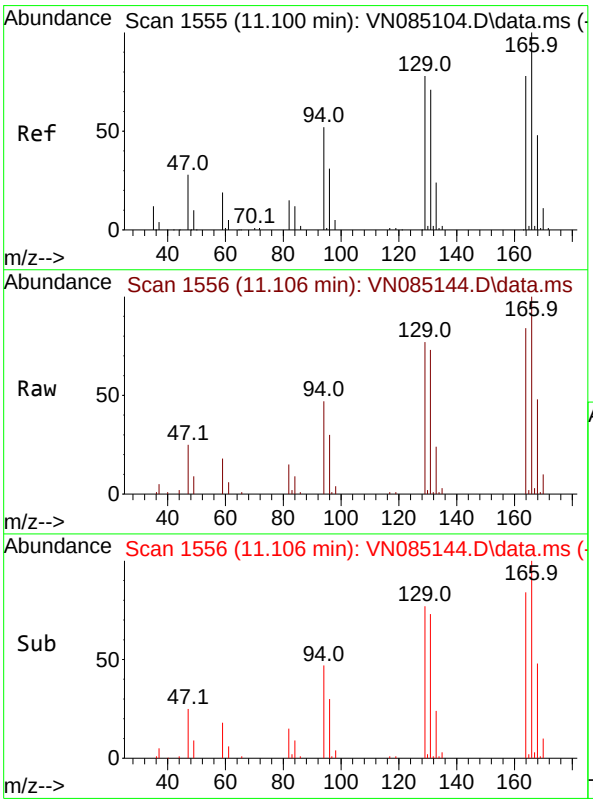
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion:117 Resp: 222034

Ion	Ratio	Lower	Upper
117	100		
82	57.0	46.0	69.0
119	32.8	25.6	38.4

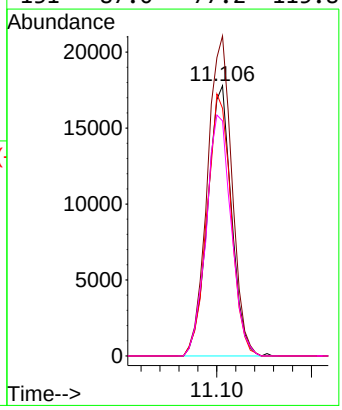


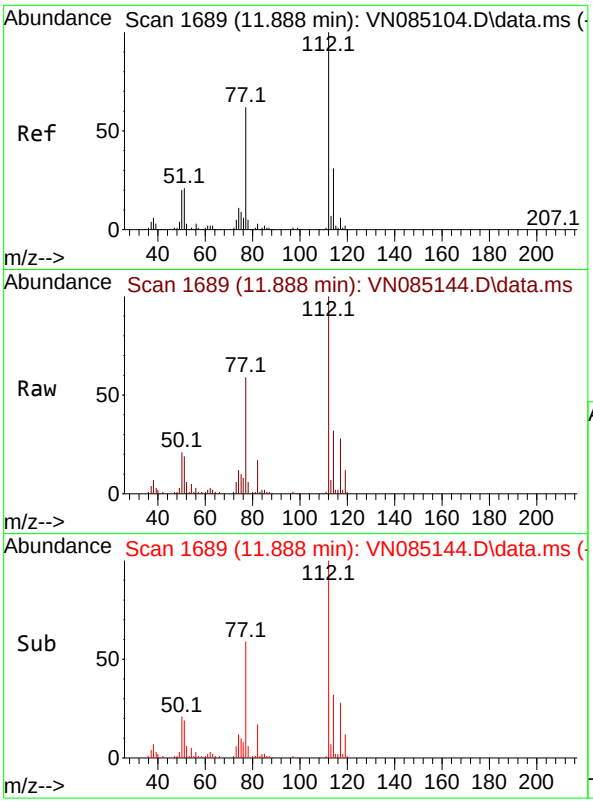


#64
Tetrachloroethene
Concen: 20.769 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:164 Resp: 31073

Ion	Ratio	Lower	Upper
164	100		
166	118.4	100.6	151.0
129	91.6	77.7	116.5
131	87.0	77.2	115.8



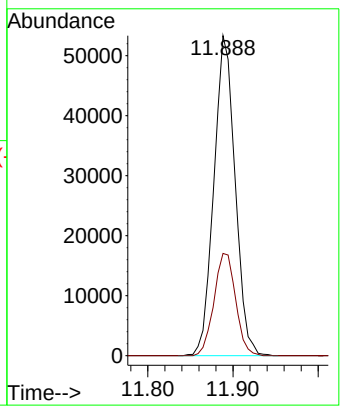


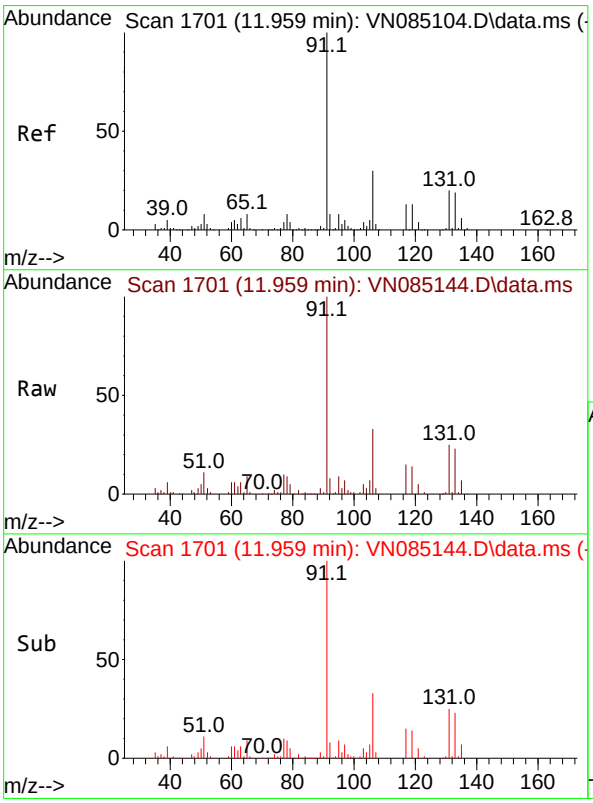
#65
Chlorobenzene
Concen: 18.322 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion:112 Resp: 92261

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.8	38.6

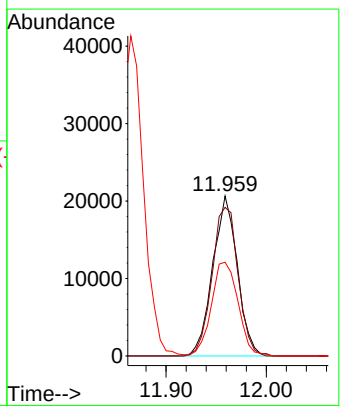


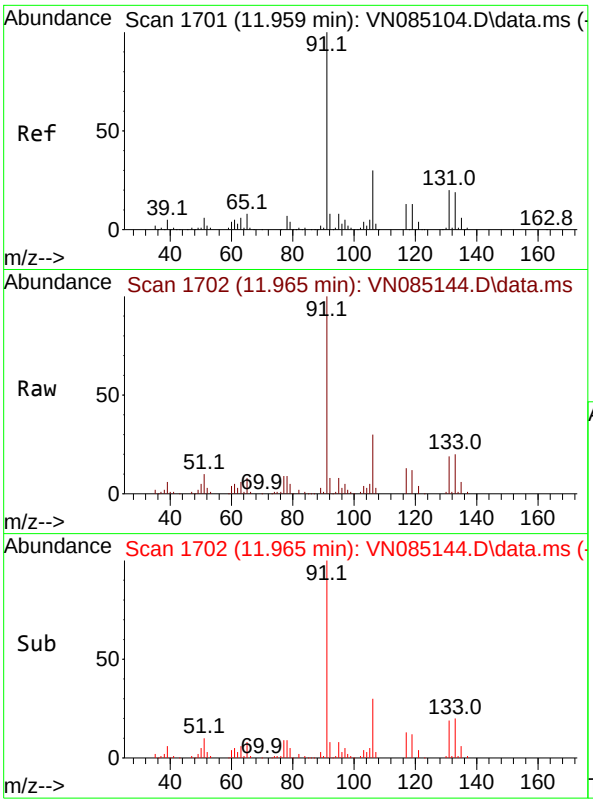


#66
1,1,1,2-Tetrachloroethane
Concen: 19.936 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:131 Resp: 35345

Ion	Ratio	Lower	Upper
131	100		
133	97.7	47.8	143.4
119	63.1	32.1	96.3



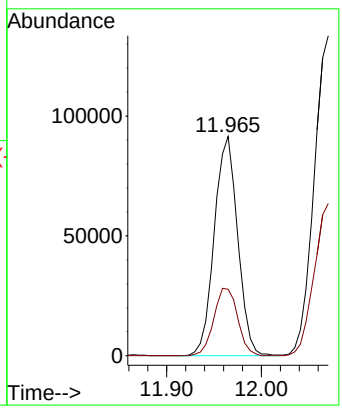


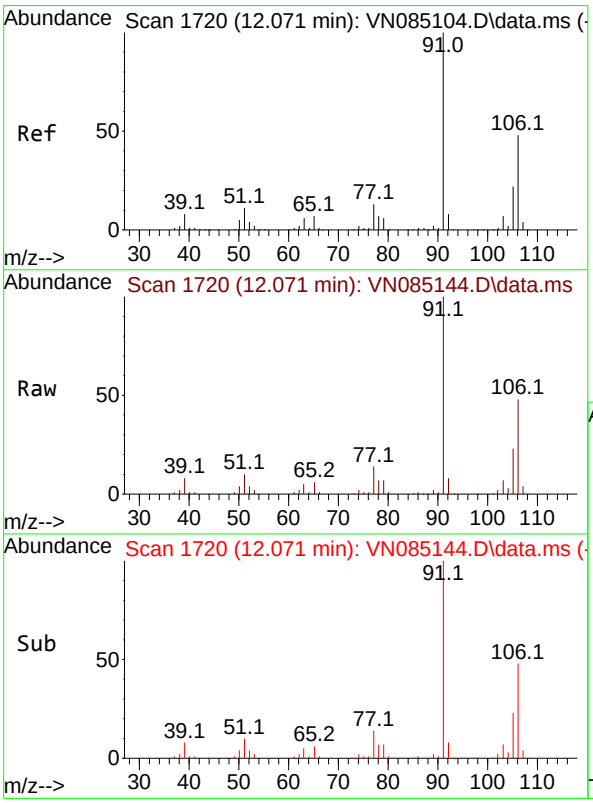
#67
Ethyl Benzene
Concen: 19.210 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion: 91 Resp: 156939

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.7	37.1

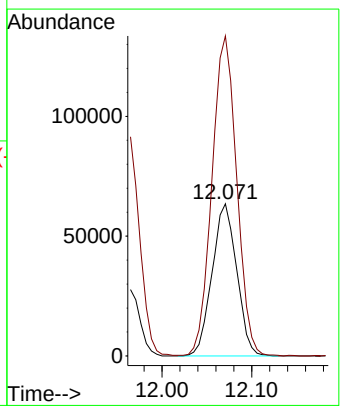


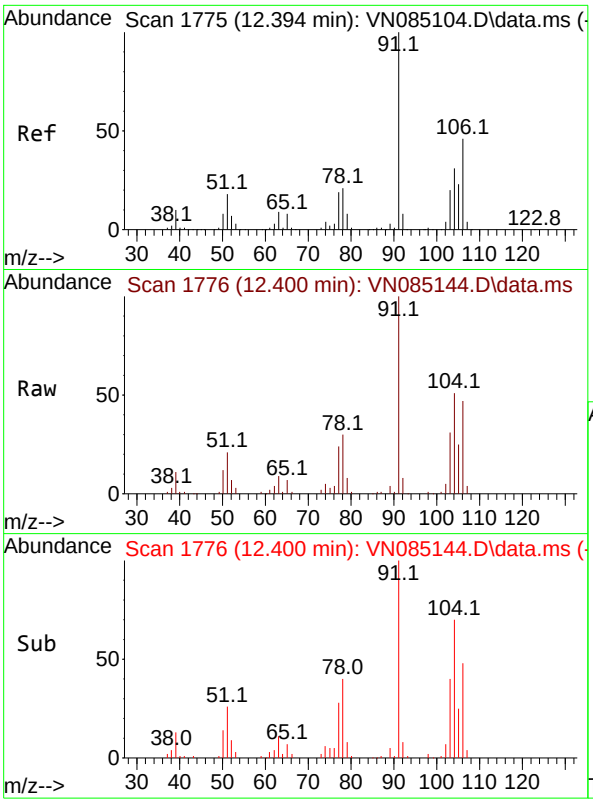


#68
m/p-Xylenes
Concen: 38.938 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:106 Resp: 121108

Ion	Ratio	Lower	Upper
106	100		
91	211.5	168.0	252.0



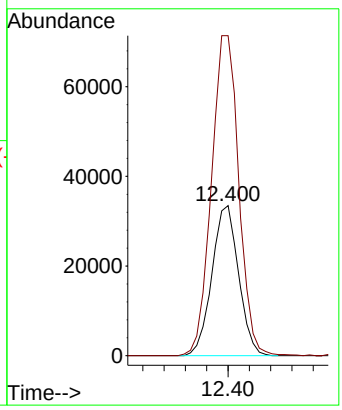


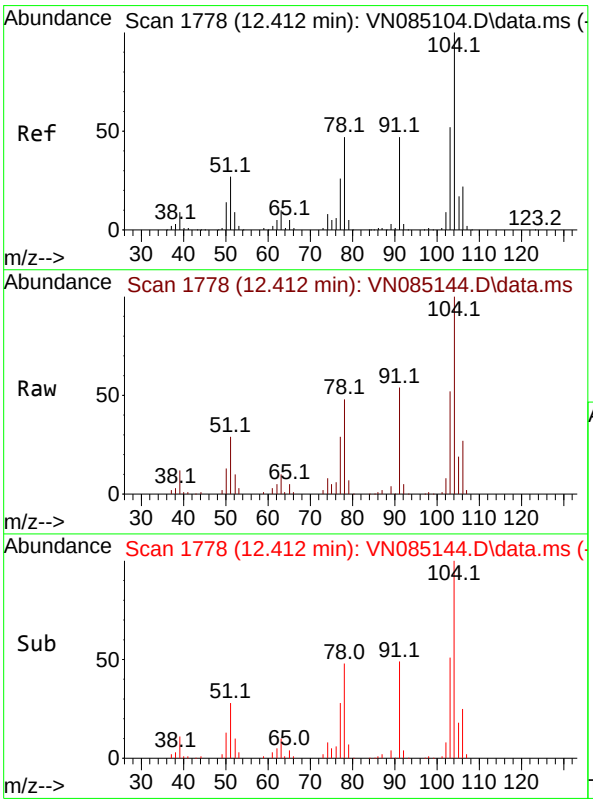
#69
o-Xylene
Concen: 19.599 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion:106 Resp: 57985

Ion	Ratio	Lower	Upper
106	100		
91	219.2	110.7	331.9

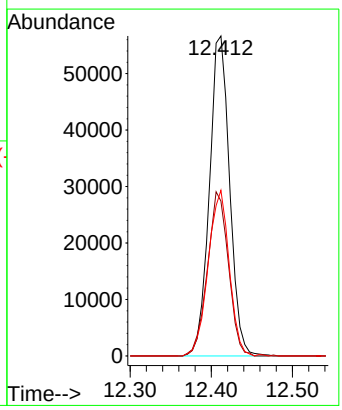


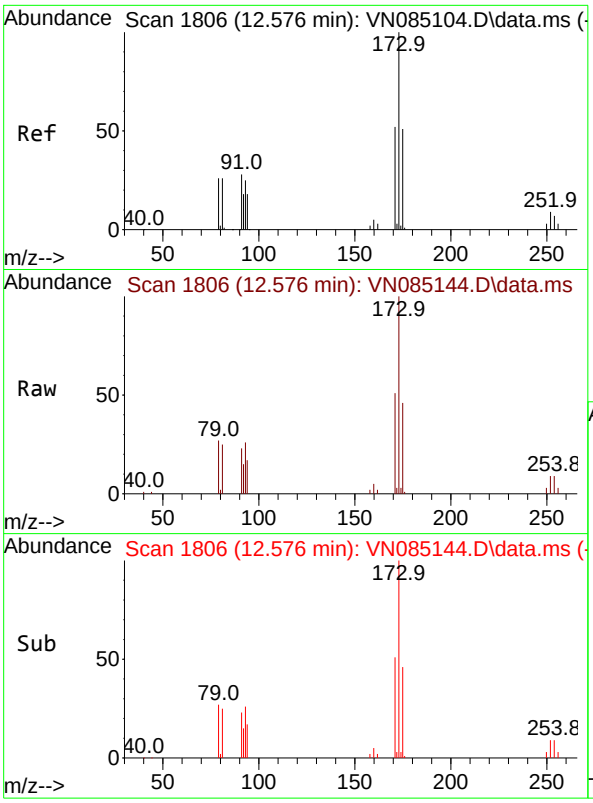


#70
Styrene
Concen: 19.960 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:104 Resp: 98206

Ion	Ratio	Lower	Upper
104	100		
78	53.2	42.3	63.5
103	53.8	44.2	66.2



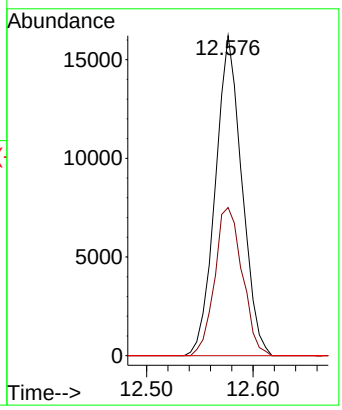


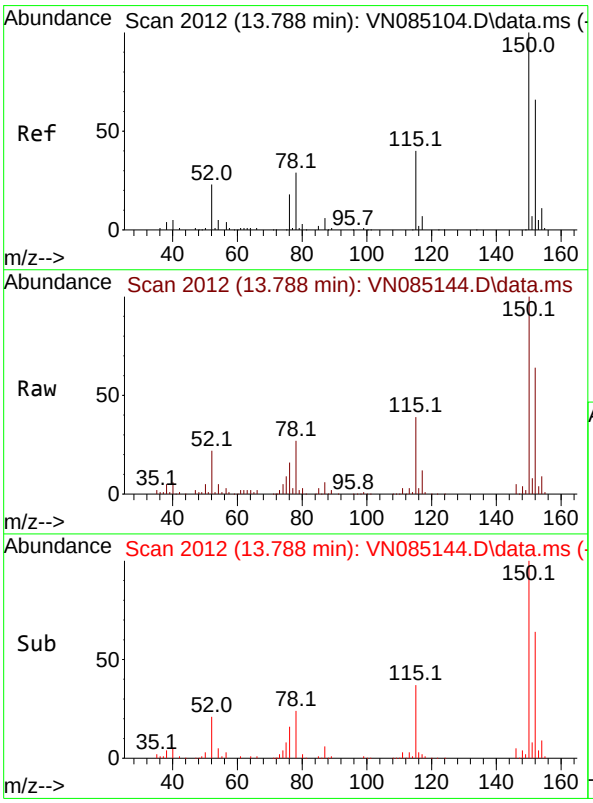
#71
Bromoform
Concen: 21.300 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion:173 Resp: 28031

Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.8	71.2
254	0.0	0.0	0.0

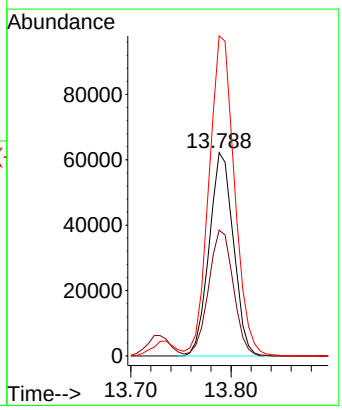


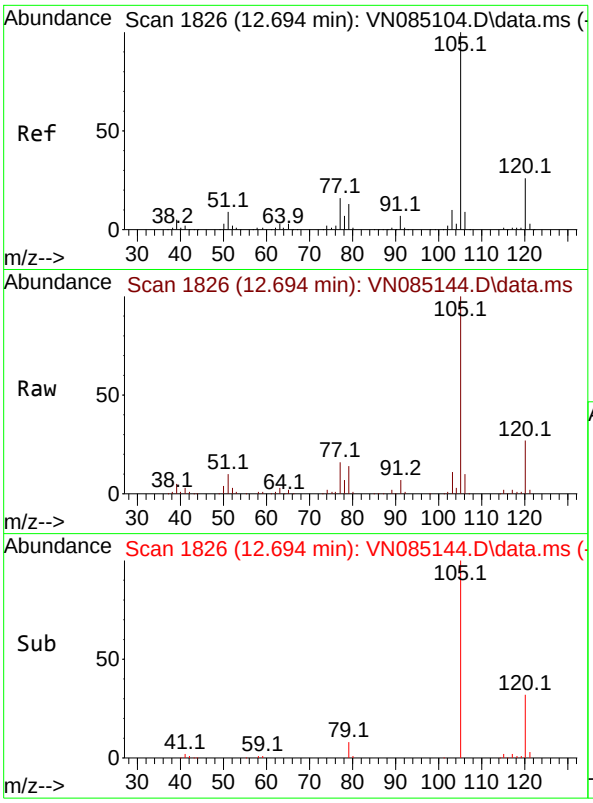


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:152 Resp: 104600

Ion	Ratio	Lower	Upper
152	100		
115	63.2	31.7	95.1
150	165.7	0.0	351.4



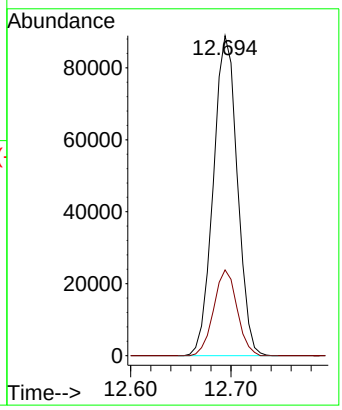


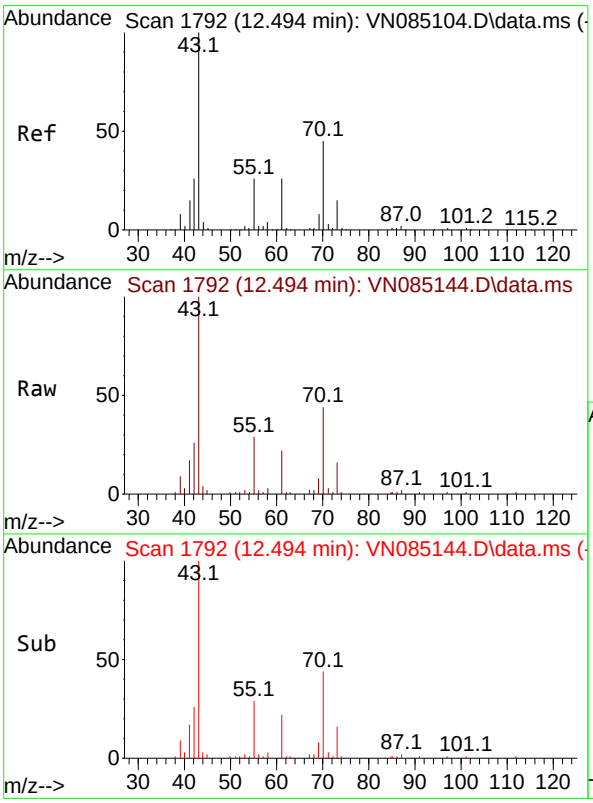
#73
Isopropylbenzene
Concen: 19.995 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion:105 Resp: 147544

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.0	39.0

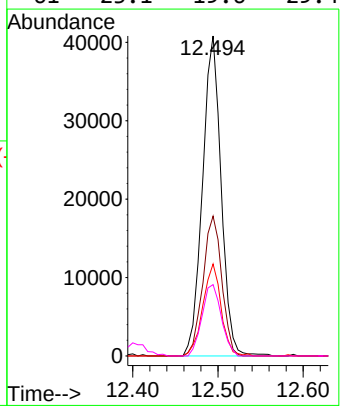


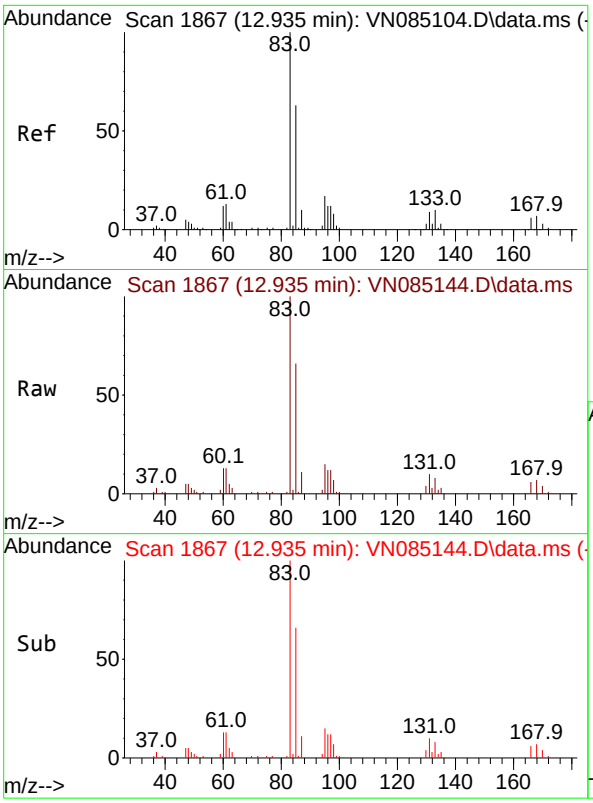


#74
N-amyl acetate
Concen: 20.417 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 43 Resp: 62083

Ion	Ratio	Lower	Upper
43	100		
70	44.2	34.6	51.8
55	28.2	20.5	30.7
61	23.1	19.6	29.4



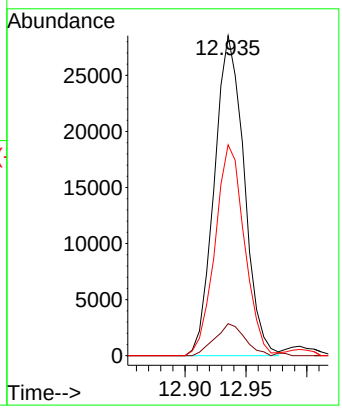


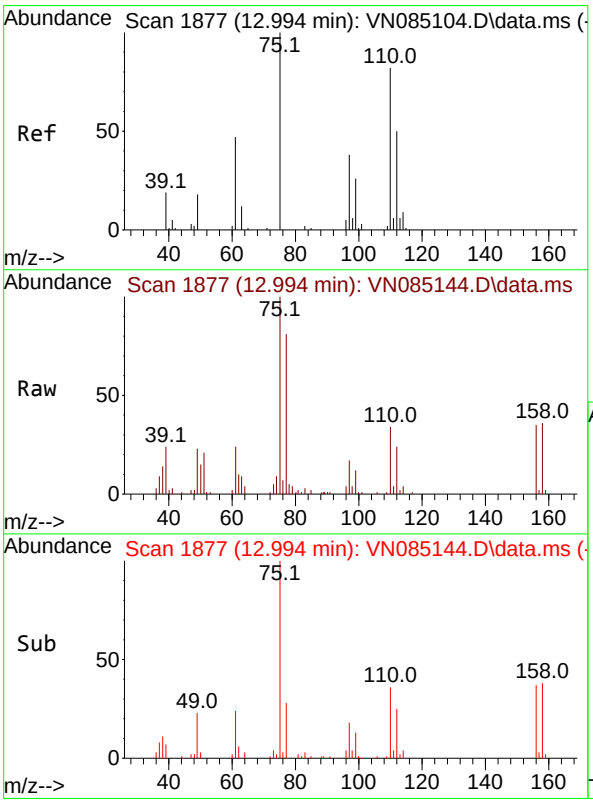
#75
1,1,2,2-Tetrachloroethane
Concen: 19.251 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion: 83 Resp: 48508

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.4
85	65.2	32.1	96.3

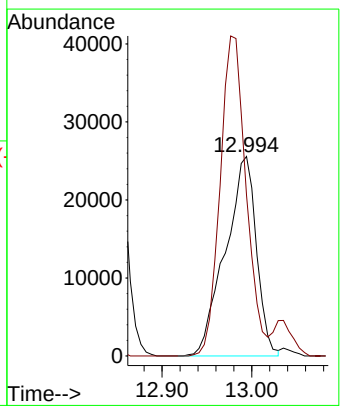


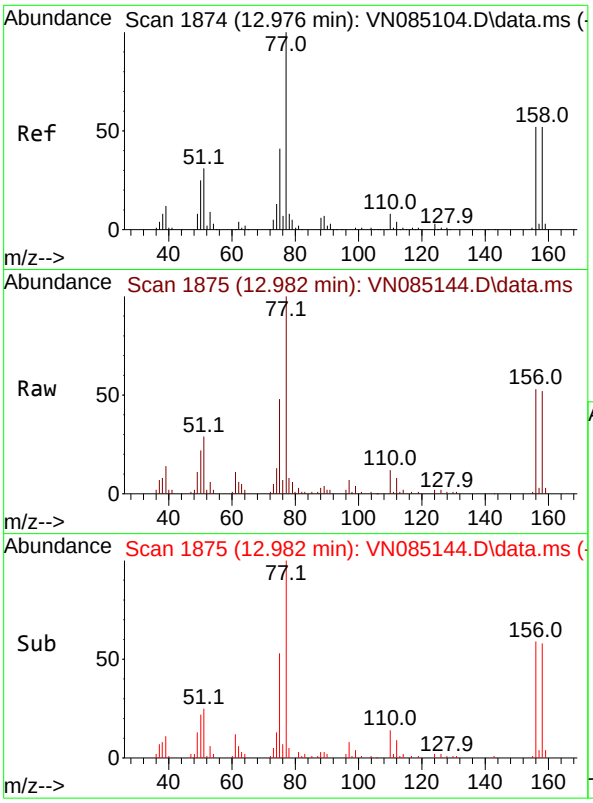


#76
1,2,3-Trichloropropane
Concen: 32.264 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 75 Resp: 61386

Ion	Ratio	Lower	Upper
75	100		
77	134.6	109.1	327.4



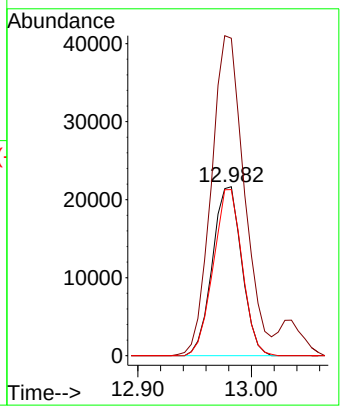


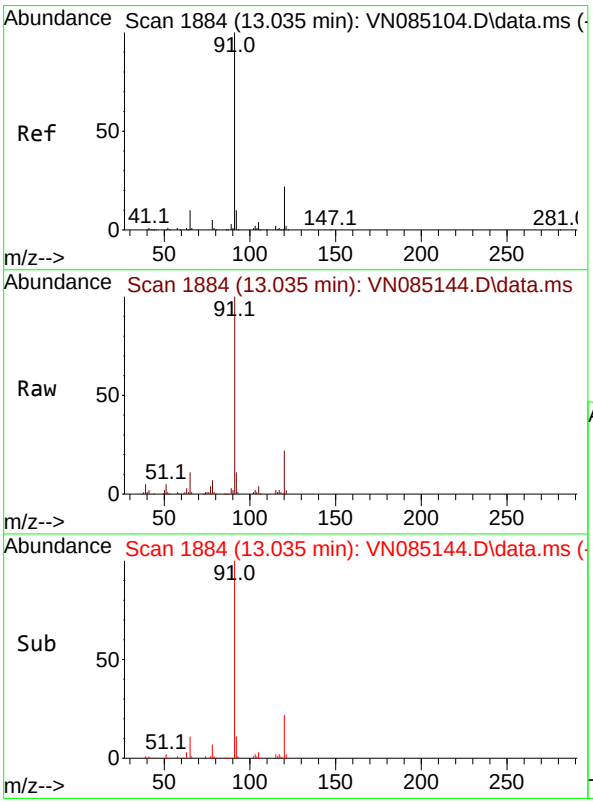
#77
Bromobenzene
Concen: 19.603 ug/l
RT: 12.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion:156 Resp: 38928

Ion	Ratio	Lower	Upper
156	100		
77	212.2	107.2	321.6
158	96.7	48.5	145.6

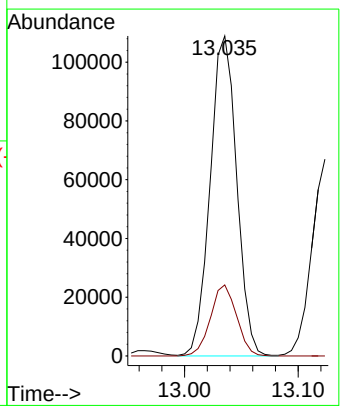


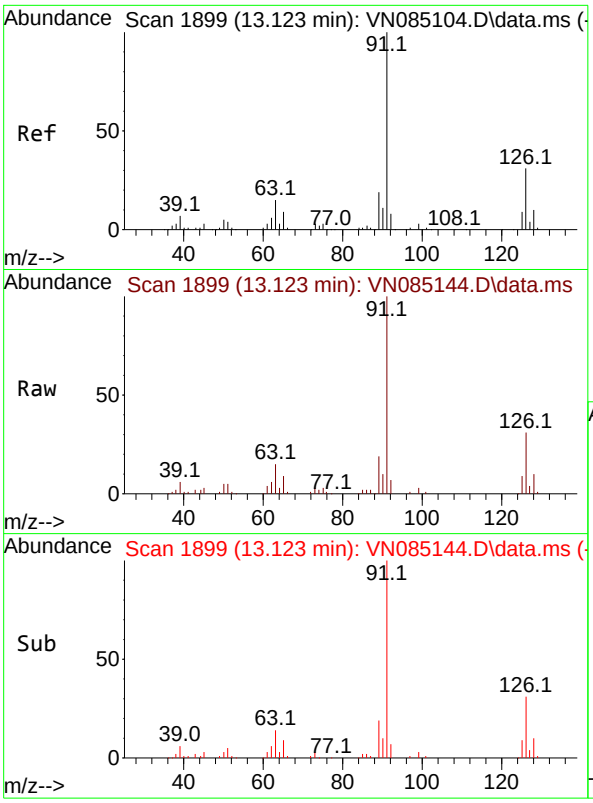


#78
n-propylbenzene
Concen: 20.808 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 91 Resp: 177101

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.3	33.9



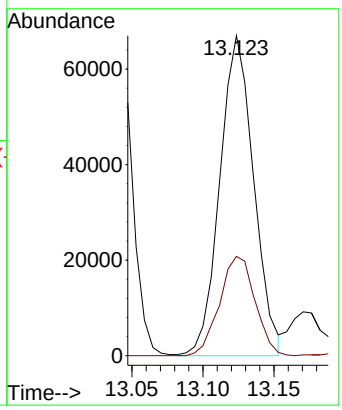


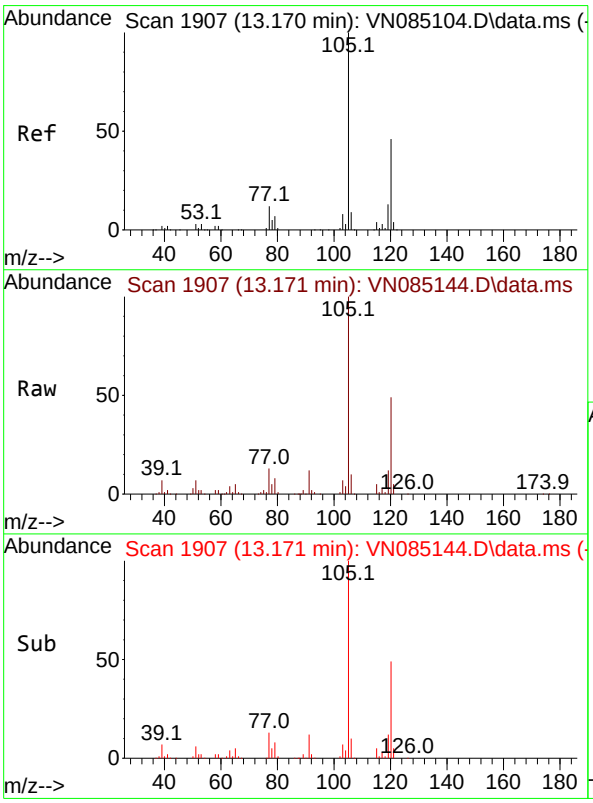
#79
2-Chlorotoluene
Concen: 19.552 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion: 91 Resp: 111085

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.1	48.3

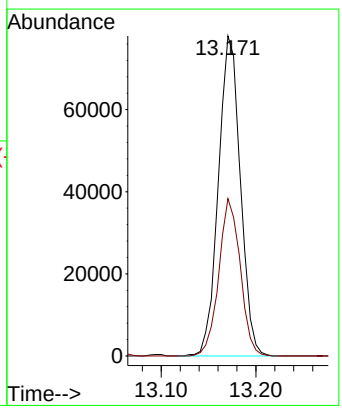


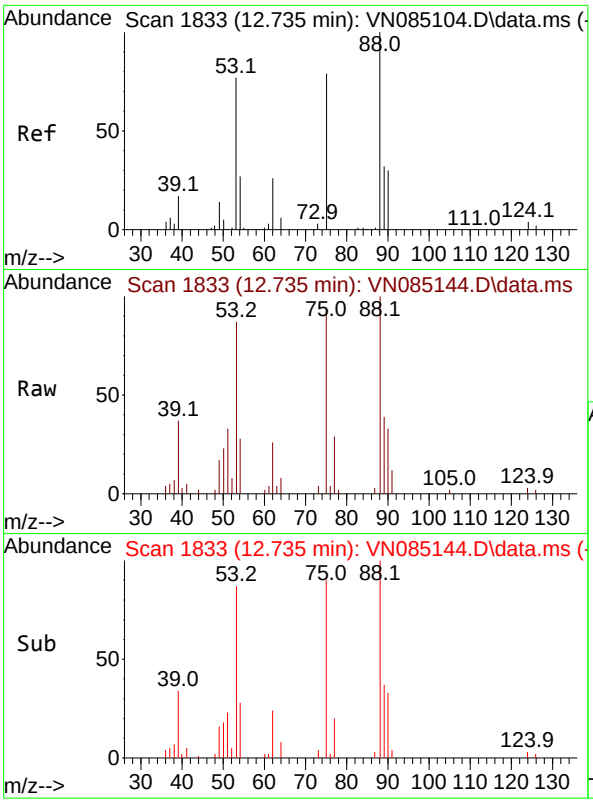


#80
1,3,5-Trimethylbenzene
Concen: 20.291 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:105 Resp: 125642

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.6	71.0



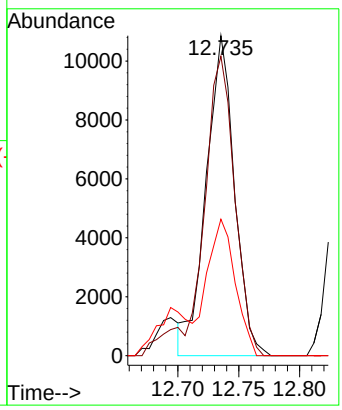


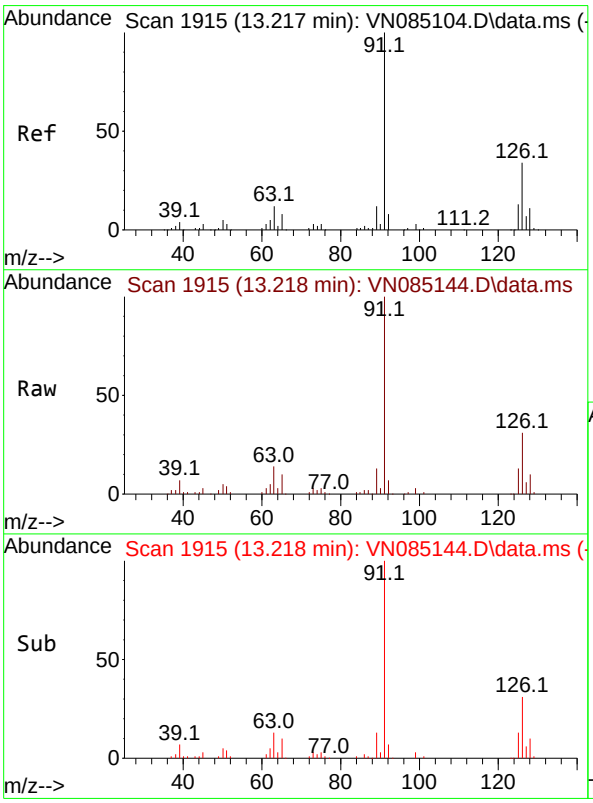
#81
trans-1,4-Dichloro-2-butene
Concen: 20.401 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion: 75 Resp: 17583

Ion	Ratio	Lower	Upper
75	100		
53	104.1	78.2	117.4
89	42.2	37.9	56.9

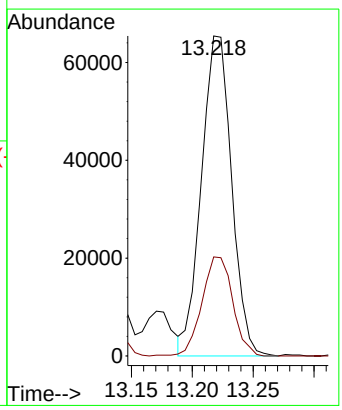


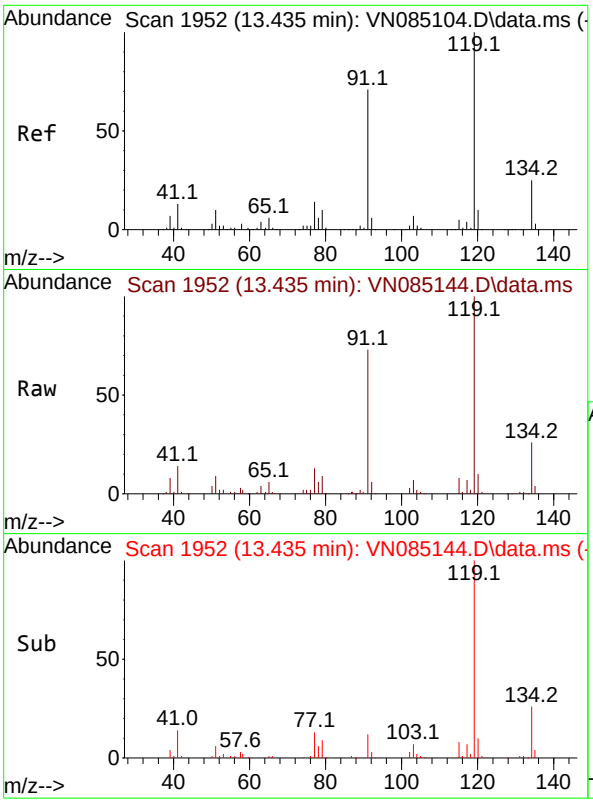


#82
4-Chlorotoluene
Concen: 19.088 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 91 Resp: 112899

Ion	Ratio	Lower	Upper
91	100		
126	31.6	16.1	48.3



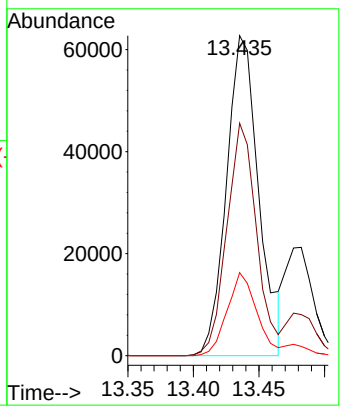


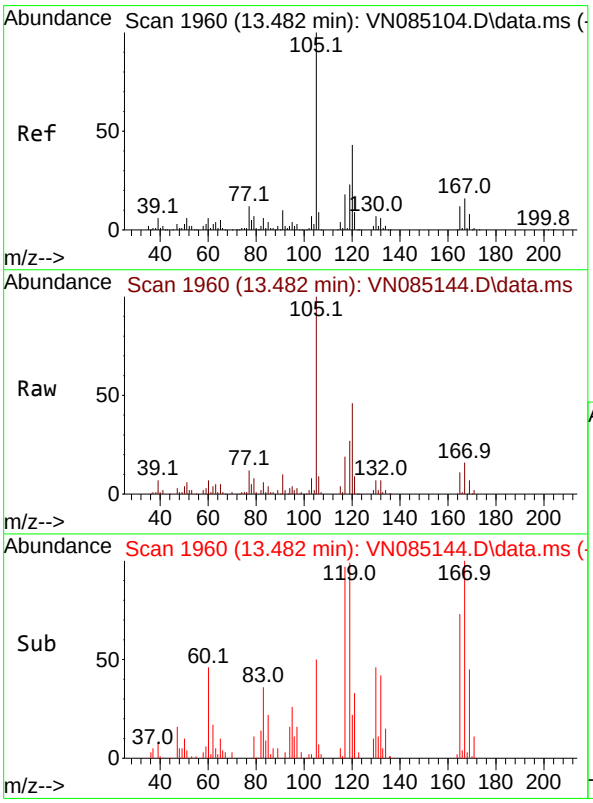
#83
tert-Butylbenzene
Concen: 20.191 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion:119 Resp: 107573

Ion	Ratio	Lower	Upper
119	100		
91	67.0	35.1	105.5
134	23.7	12.1	36.3

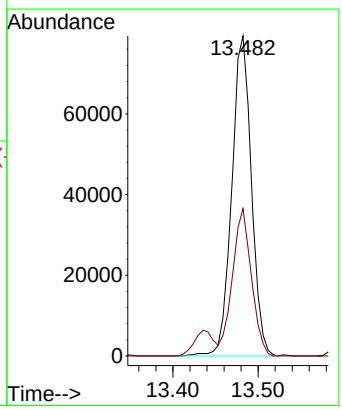


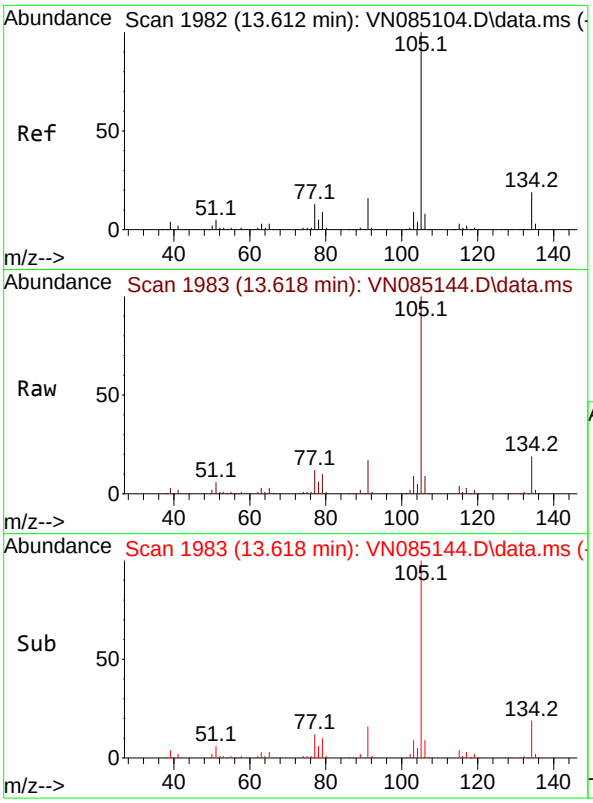


#84
1,2,4-Trimethylbenzene
Concen: 19.871 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:105 Resp: 126653

Ion	Ratio	Lower	Upper
105	100		
120	44.5	21.8	65.4



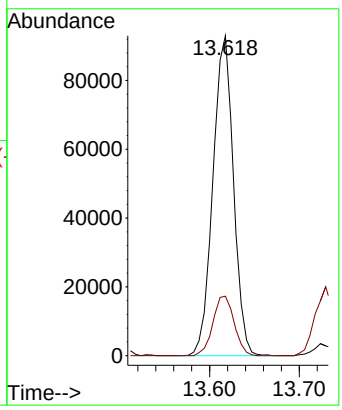


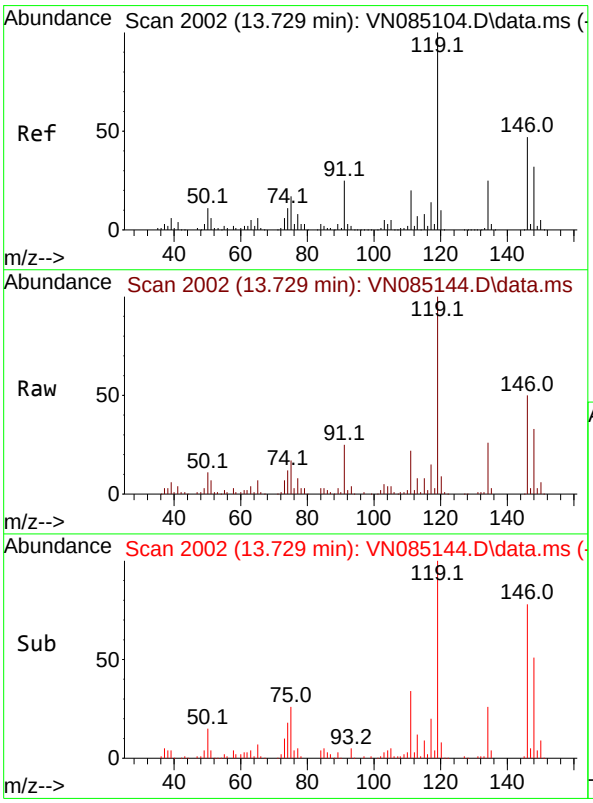
#85
sec-Butylbenzene
Concen: 20.537 ug/l
RT: 13.618 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion:105 Resp: 147809

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.3

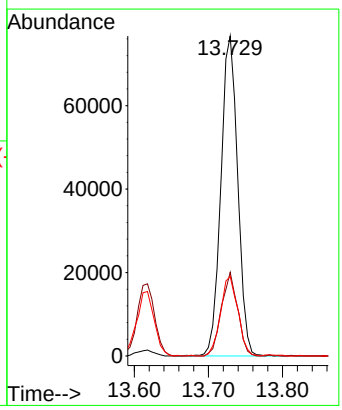


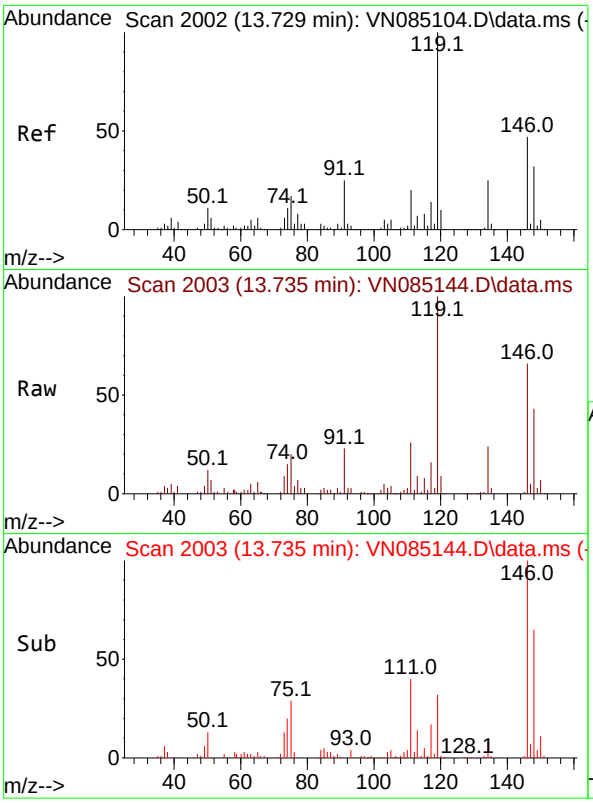


#86
p-Isopropyltoluene
Concen: 20.331 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:119 Resp: 120791

Ion	Ratio	Lower	Upper
119	100		
134	25.3	13.0	39.0
91	25.6	12.8	38.4



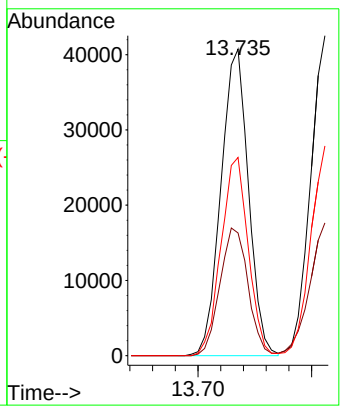


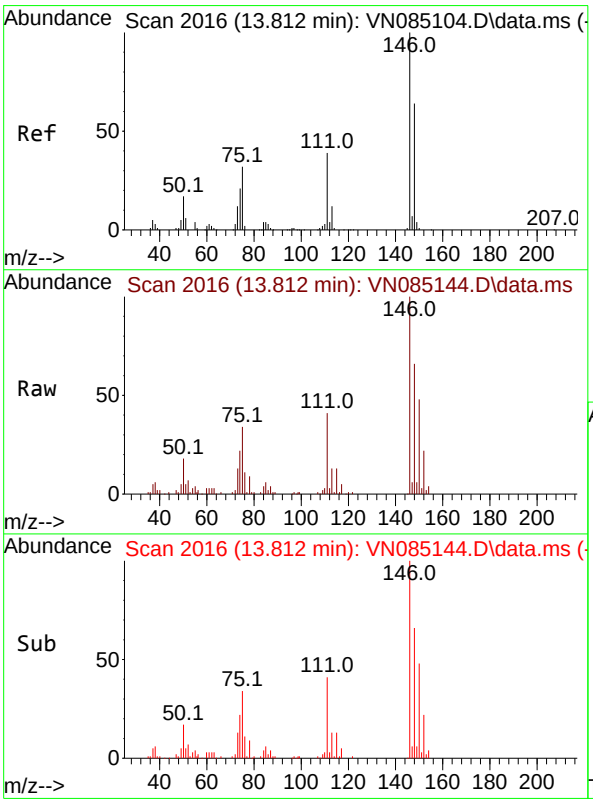
#87
1,3-Dichlorobenzene
Concen: 17.496 ug/l
RT: 13.735 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion:146 Resp: 68527

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.6	65.0
148	64.1	32.2	96.6

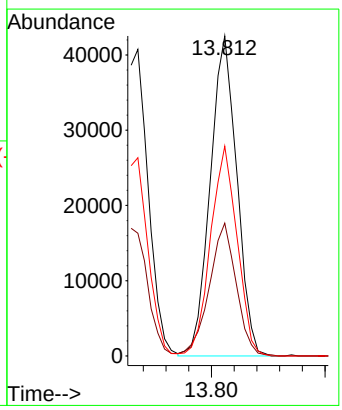


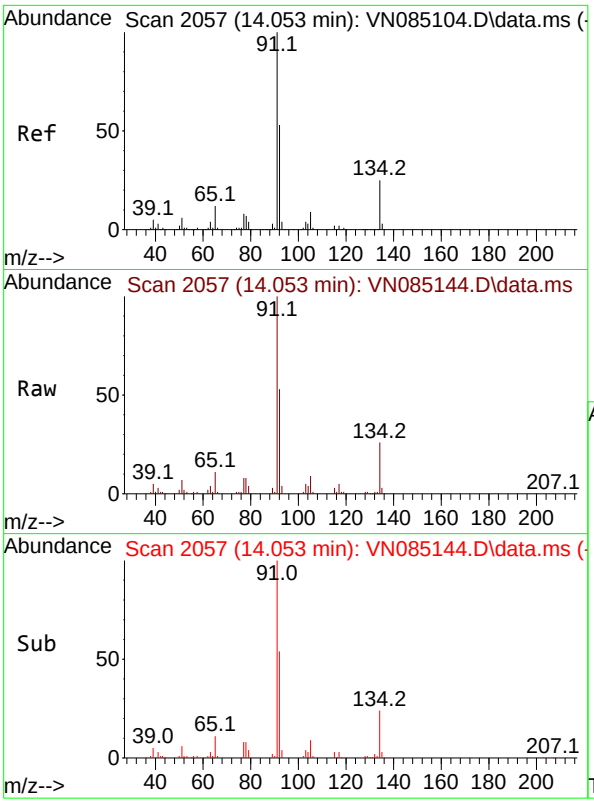


#88
1,4-Dichlorobenzene
Concen: 17.319 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:146 Resp: 69227

Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.9	62.8
148	65.5	31.3	93.9



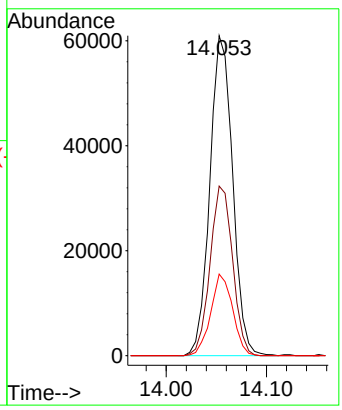


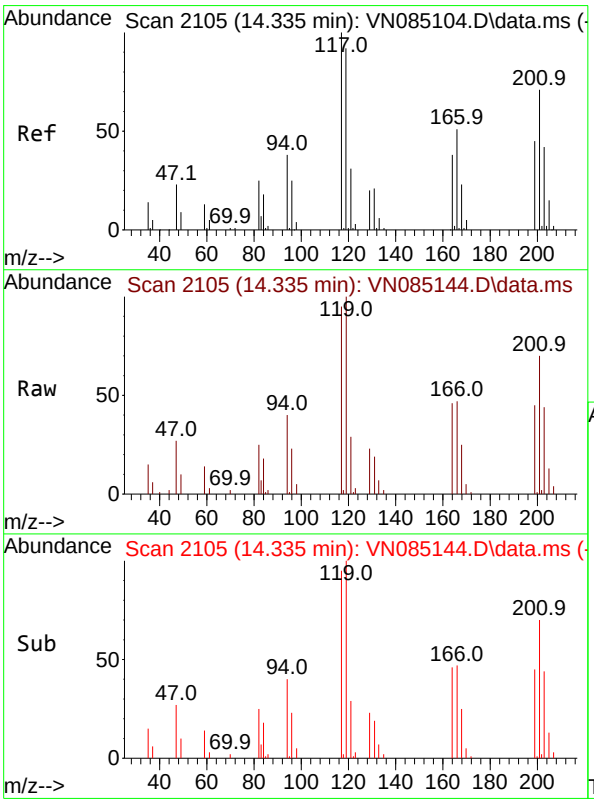
#89
n-Butylbenzene
Concen: 17.401 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion: 91 Resp: 96140

Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.8	80.3
134	24.6	12.8	38.4

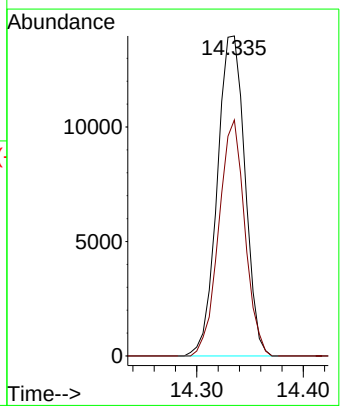


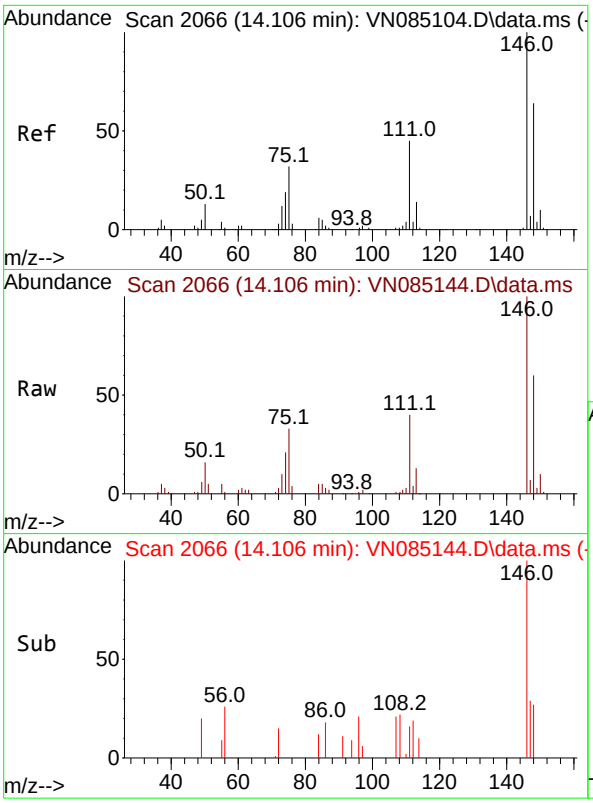


#90
Hexachloroethane
Concen: 19.464 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:117 Resp: 25206

Ion	Ratio	Lower	Upper
117	100		
201	69.6	35.2	105.6



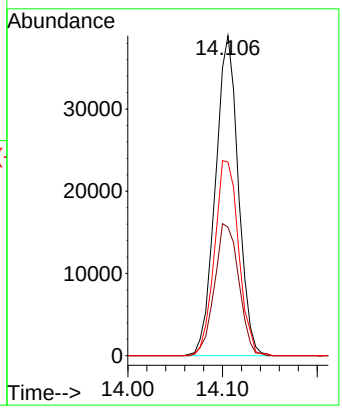


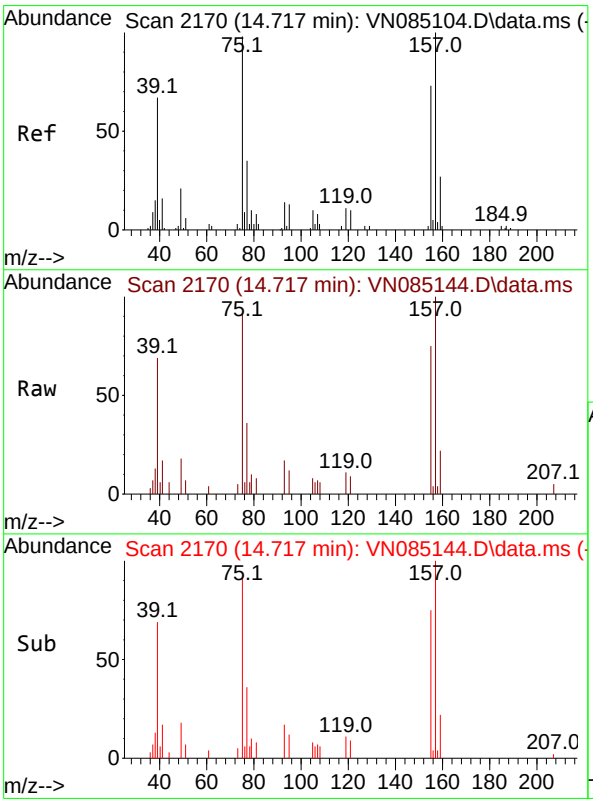
#91
1,2-Dichlorobenzene
Concen: 17.412 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion:146 Resp: 65350

Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.9	65.8
148	64.2	31.1	93.2

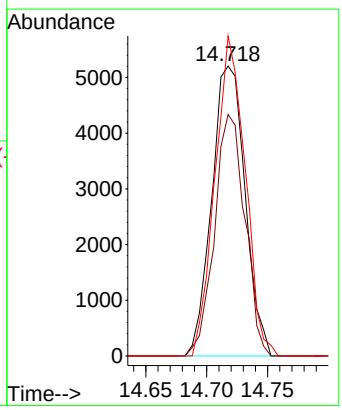


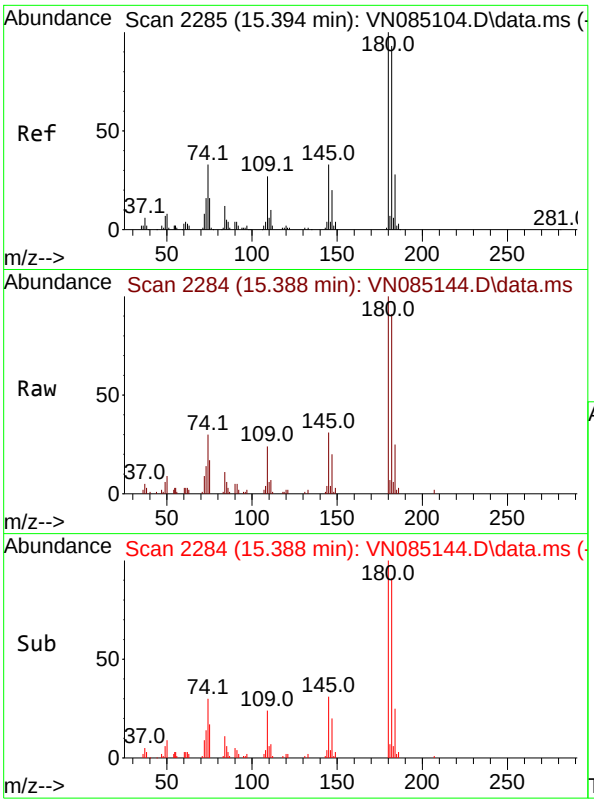


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.338 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 75 Resp: 9910

Ion	Ratio	Lower	Upper
75	100		
155	76.0	38.9	116.7
157	99.8	48.3	144.9



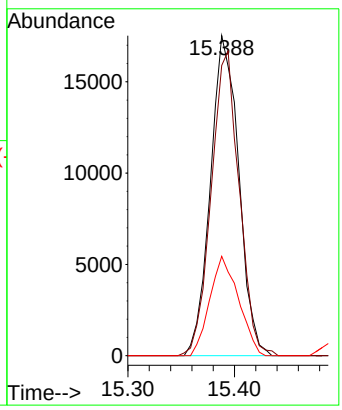


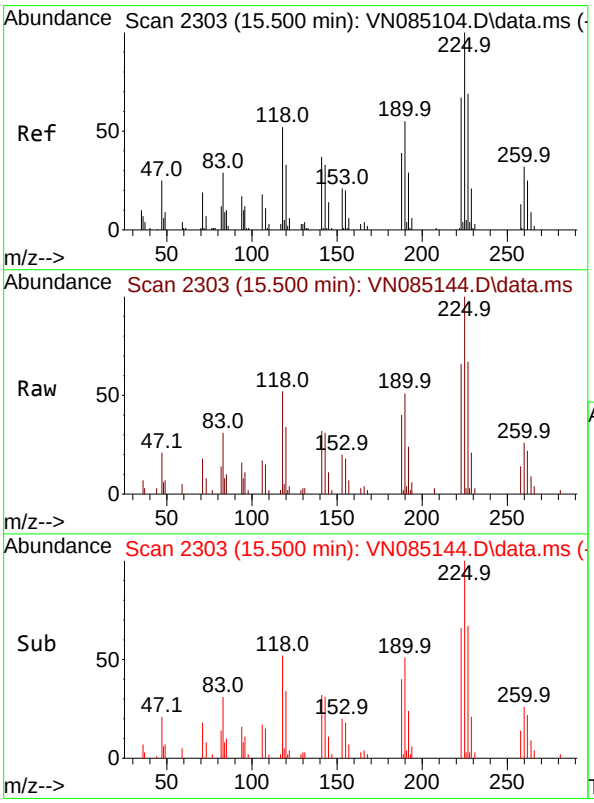
#93
1,2,4-Trichlorobenzene
Concen: 15.840 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion:180 Resp: 32298

Ion	Ratio	Lower	Upper
180	100		
182	93.8	46.9	140.8
145	31.6	16.3	48.8

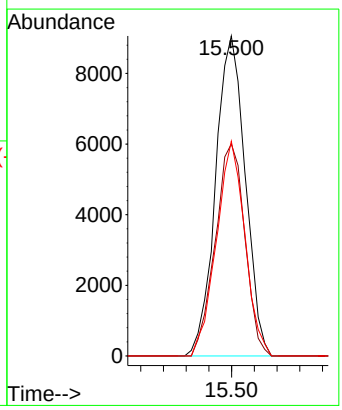


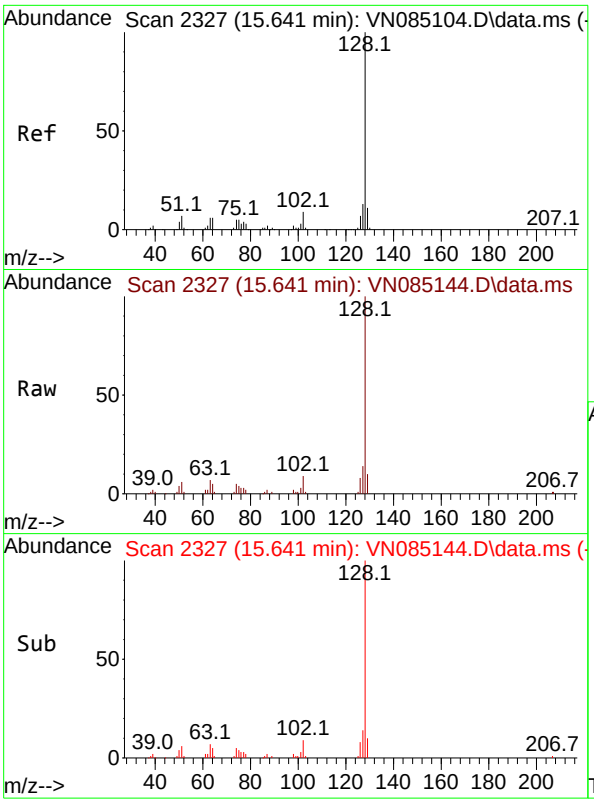


#94
Hexachlorobutadiene
Concen: 17.460 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:225 Resp: 16431

Ion	Ratio	Lower	Upper
225	100		
223	66.0	30.9	92.8
227	64.5	31.5	94.5



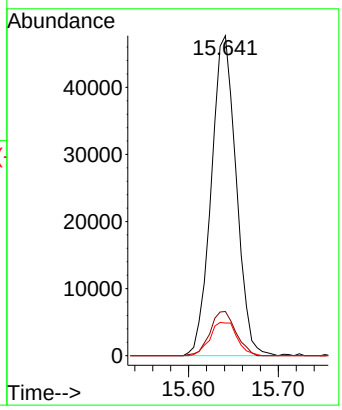


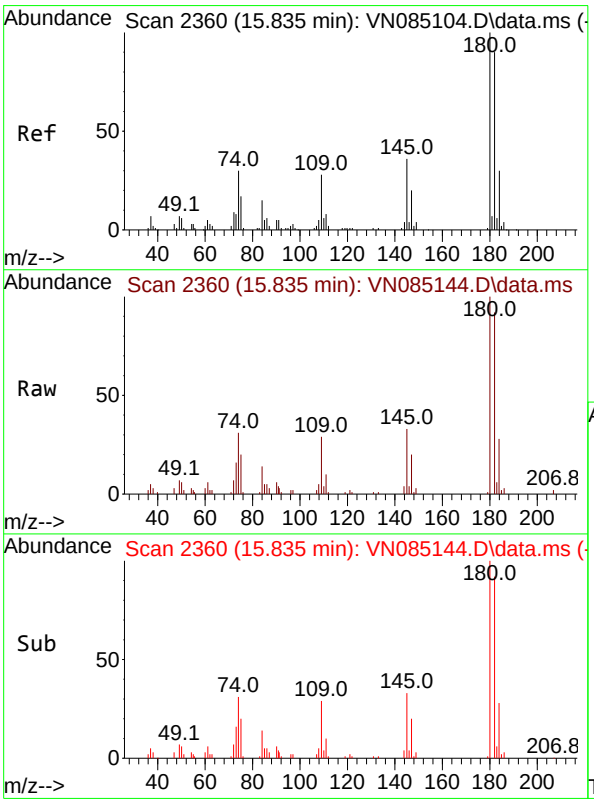
#95
Naphthalene
Concen: 15.840 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion:128 Resp: 91989

Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.6	16.0
129	11.4	8.6	12.8

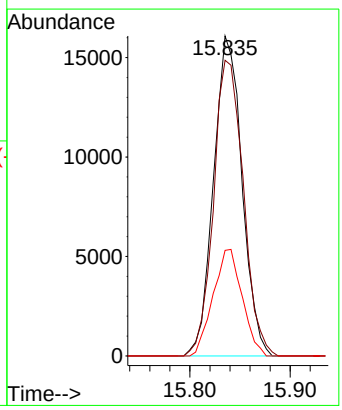




#96
1,2,3-Trichlorobenzene
Concen: 16.282 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:180 Resp: 31678

Ion	Ratio	Lower	Upper
180	100		
182	96.7	46.4	139.2
145	34.1	17.3	52.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085145.D
Acq On : 09 Dec 2024 12:09
Operator : JC\MD
Sample : VN1209WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Quant Time: Dec 10 04:58:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	142912	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	227734	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	203151	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	101401	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.577	65	103903	51.041	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.080%				
35) Dibromofluoromethane	8.165	113	82760	53.889	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.780%				
50) Toluene-d8	10.565	98	280439	50.954	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.900%				
62) 4-Bromofluorobenzene	12.847	95	108911	52.915	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.820%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	25340	15.681	ug/l		100
3) Chloromethane	2.359	50	28131	15.009	ug/l		94
4) Vinyl Chloride	2.512	62	28111	16.690	ug/l		98
5) Bromomethane	2.954	94	21310	22.573	ug/l		89
6) Chloroethane	3.118	64	19554	17.224	ug/l		89
7) Trichlorofluoromethane	3.495	101	53885	18.806	ug/l		93
8) Diethyl Ether	3.959	74	18528	18.999	ug/l		98
9) 1,1,2-Trichlorotrifluo...	4.365	101	30675	18.876	ug/l		97
10) Methyl Iodide	4.589	142	34867	16.209	ug/l	#	88
11) Tert butyl alcohol	5.524	59	32374	119.009	ug/l	#	90
12) 1,1-Dichloroethene	4.342	96	27589	18.188	ug/l		98
13) Acrolein	4.183	56	16533	91.082	ug/l		96
14) Allyl chloride	5.024	41	40399	15.799	ug/l		93
15) Acrylonitrile	5.712	53	83176	107.998	ug/l		99
16) Acetone	4.430	43	74370	125.441	ug/l		100
17) Carbon Disulfide	4.712	76	75855	16.942	ug/l		97
18) Methyl Acetate	5.024	43	41727	21.363	ug/l		100
19) Methyl tert-butyl Ether	5.800	73	99012	19.978	ug/l		99
20) Methylene Chloride	5.271	84	32787	18.123	ug/l		96
21) trans-1,2-Dichloroethene	5.789	96	30746	19.261	ug/l		96
22) Diisopropyl ether	6.671	45	98604	19.159	ug/l		98
23) Vinyl Acetate	6.600	43	362666	102.144	ug/l		99
24) 1,1-Dichloroethane	6.565	63	57735	18.746	ug/l		97
25) 2-Butanone	7.483	43	112790	116.364	ug/l		99
26) 2,2-Dichloropropane	7.489	77	52876	18.386	ug/l		99
27) cis-1,2-Dichloroethene	7.483	96	37551	19.514	ug/l		96
28) Bromochloromethane	7.806	49	23969	20.617	ug/l	#	14
29) Tetrahydrofuran	7.836	42	71330	118.337	ug/l		98
30) Chloroform	7.959	83	63927	19.513	ug/l		91
31) Cyclohexane	8.253	56	48755	17.980	ug/l	#	92
32) 1,1,1-Trichloroethane	8.165	97	57246	19.337	ug/l		99
36) 1,1-Dichloropropene	8.371	75	40646	19.540	ug/l		99
37) Ethyl Acetate	7.559	43	42607	22.530	ug/l		98
38) Carbon Tetrachloride	8.359	117	50365	20.975	ug/l		98
39) Methylcyclohexane	9.600	83	39992	18.501	ug/l		91
40) Benzene	8.606	78	131898	20.048	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085145.D
Acq On : 09 Dec 2024 12:09
Operator : JC\MD
Sample : VN1209WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Quant Time: Dec 10 04:58:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	24485	23.385	ug/l		97
42) 1,2-Dichloroethane	8.671	62	46478	20.649	ug/l		98
43) Isopropyl Acetate	8.688	43	72452	18.444	ug/l		97
44) Trichloroethene	9.347	130	32181	21.047	ug/l		91
45) 1,2-Dichloropropane	9.618	63	33025	20.380	ug/l		94
46) Dibromomethane	9.706	93	24259	21.544	ug/l		96
47) Bromodichloromethane	9.888	83	51571	21.610	ug/l		98
48) Methyl methacrylate	9.683	41	32820	22.453	ug/l		97
49) 1,4-Dioxane	9.694	88	14074	555.200	ug/l		96
51) 4-Methyl-2-Pentanone	10.441	43	229577	127.955	ug/l		99
52) Toluene	10.630	92	81847	21.014	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	50056	20.921	ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	52486	20.678	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	33335	22.978	ug/l		98
56) Ethyl methacrylate	10.871	69	48238	22.755	ug/l		98
57) 1,3-Dichloropropane	11.165	76	55071	21.568	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	111311	107.042	ug/l		100
59) 2-Hexanone	11.194	43	172584	128.613	ug/l		97
60) Dibromochloromethane	11.359	129	40774	22.997	ug/l		98
61) 1,2-Dibromoethane	11.471	107	33251	22.146	ug/l		100
64) Tetrachloroethene	11.100	164	28313	20.683	ug/l		93
65) Chlorobenzene	11.894	112	90827	19.714	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	33935	20.920	ug/l		98
67) Ethyl Benzene	11.965	91	147522	19.736	ug/l		100
68) m/p-Xylenes	12.071	106	116268	40.857	ug/l		99
69) o-Xylene	12.394	106	53545	19.780	ug/l		96
70) Styrene	12.412	104	97192	21.590	ug/l		97
71) Bromoform	12.576	173	28670	23.810	ug/l	#	100
73) Isopropylbenzene	12.694	105	140110	19.586	ug/l		100
74) N-amyl acetate	12.494	43	61760	20.951	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	48806	19.980	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	63041	34.180	ug/l		42
77) Bromobenzene	12.976	156	37253	19.352	ug/l		98
78) n-propylbenzene	13.035	91	169221	20.509	ug/l		100
79) 2-Chlorotoluene	13.123	91	107288	19.479	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	124423	20.728	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	18695	22.376	ug/l		91
82) 4-Chlorotoluene	13.218	91	108808	18.977	ug/l		99
83) tert-Butylbenzene	13.435	119	102778	19.900	ug/l		96
84) 1,2,4-Trimethylbenzene	13.482	105	123353	19.964	ug/l		98
85) sec-Butylbenzene	13.618	105	139963	20.061	ug/l		98
86) p-Isopropyltoluene	13.729	119	115995	20.140	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	68149	17.948	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	68126	17.582	ug/l		98
89) n-Butylbenzene	14.053	91	95516	17.833	ug/l		96
90) Hexachloroethane	14.335	117	23660	18.846	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	64932	17.846	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	9668	20.468	ug/l		95
93) 1,2,4-Trichlorobenzene	15.394	180	31255	15.812	ug/l		98
94) Hexachlorobutadiene	15.506	225	16202	17.760	ug/l		97
95) Naphthalene	15.641	128	98185	17.440	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	31563	16.735	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085145.D
Acq On : 09 Dec 2024 12:09
Operator : JC\MD
Sample : VN1209WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Quant Time: Dec 10 04:58:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

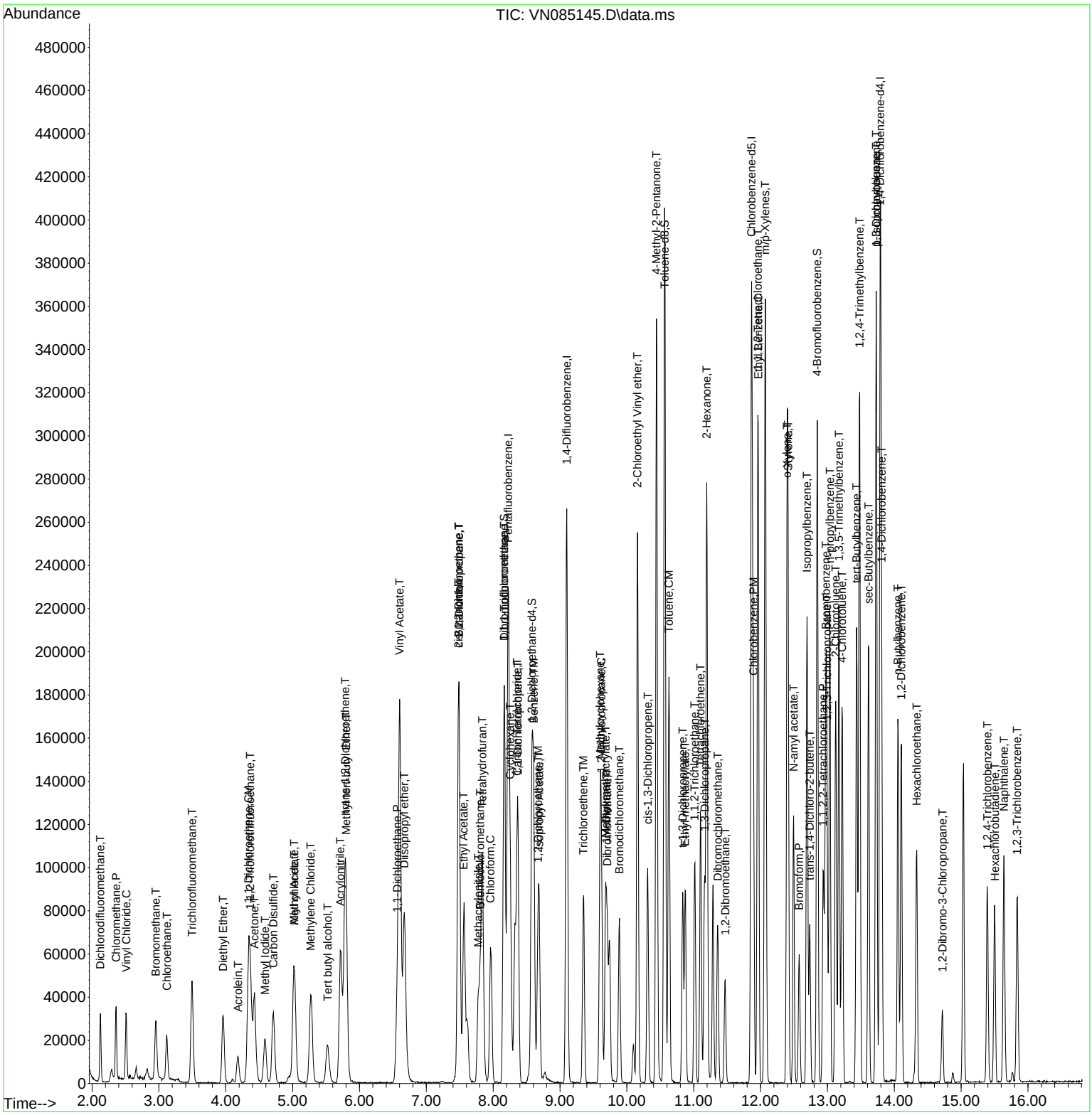
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

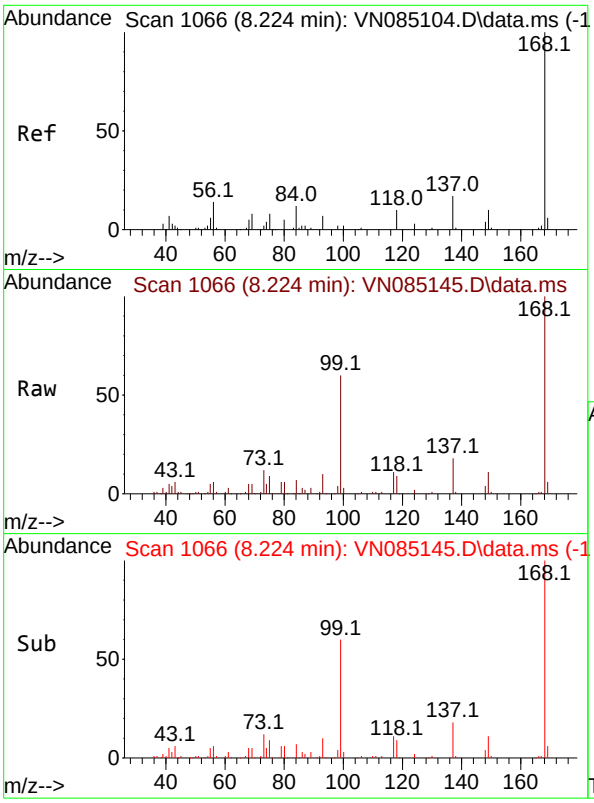
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085145.D
Acq On : 09 Dec 2024 12:09
Operator : JC\MD
Sample : VN1209WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Quant Time: Dec 10 04:58:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



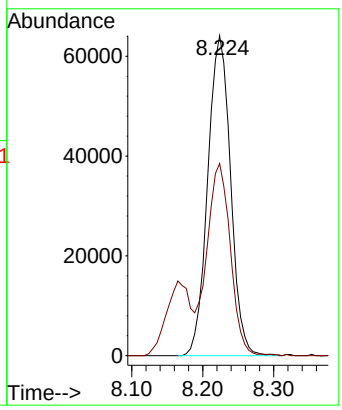


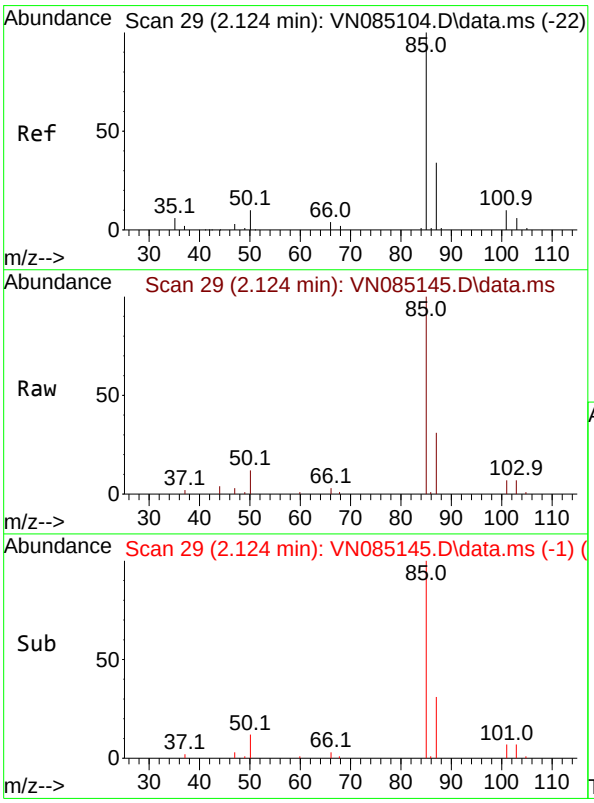
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion:168 Resp: 142912

Ion	Ratio	Lower	Upper
168	100		
99	59.7	51.2	76.8

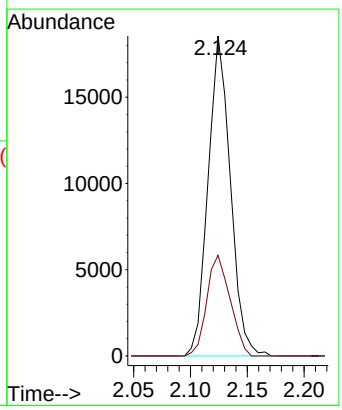


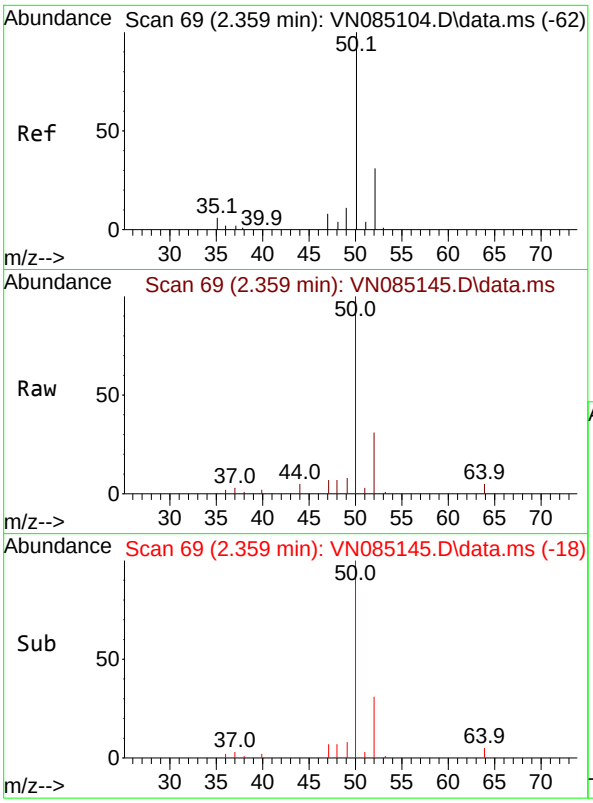


#2
Dichlorodifluoromethane
Concen: 15.681 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 85 Resp: 25340

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.7	47.1



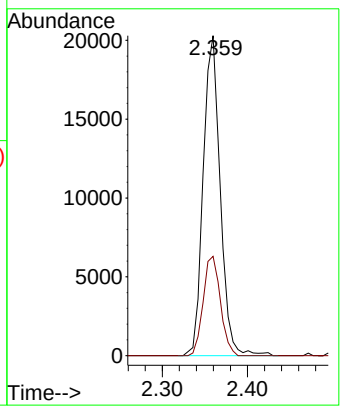


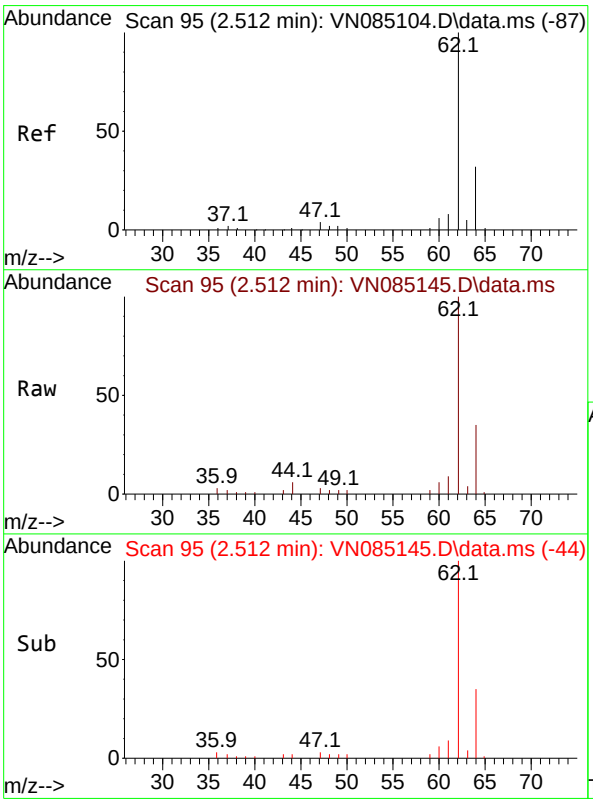
#3
Chloromethane
Concen: 15.009 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 50 Resp: 28131

Ion	Ratio	Lower	Upper
50	100		
52	31.1	27.8	41.8

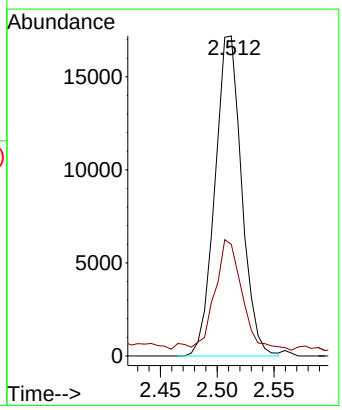


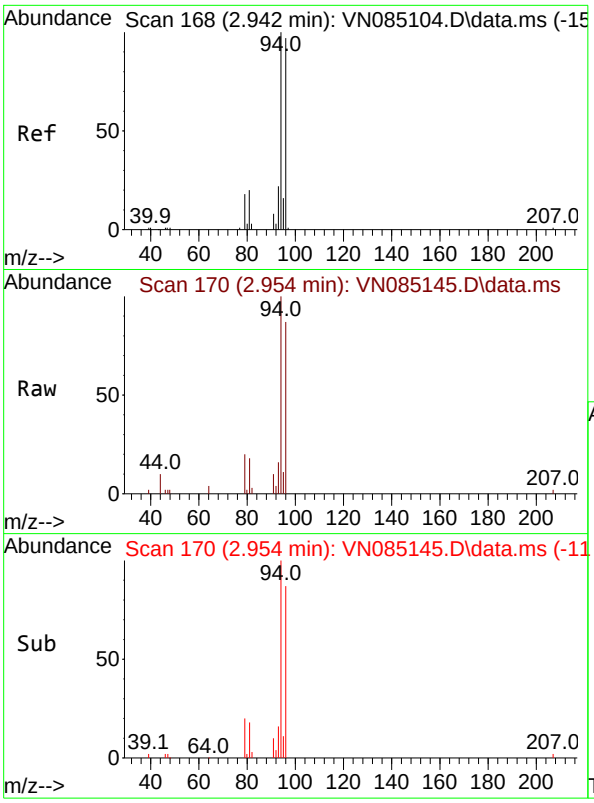


#4
Vinyl Chloride
Concen: 16.690 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 62 Resp: 28111

Ion	Ratio	Lower	Upper
62	100		
64	31.9	24.6	36.8



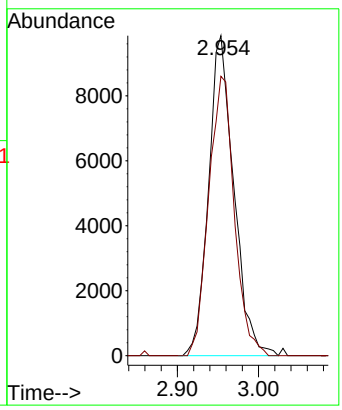


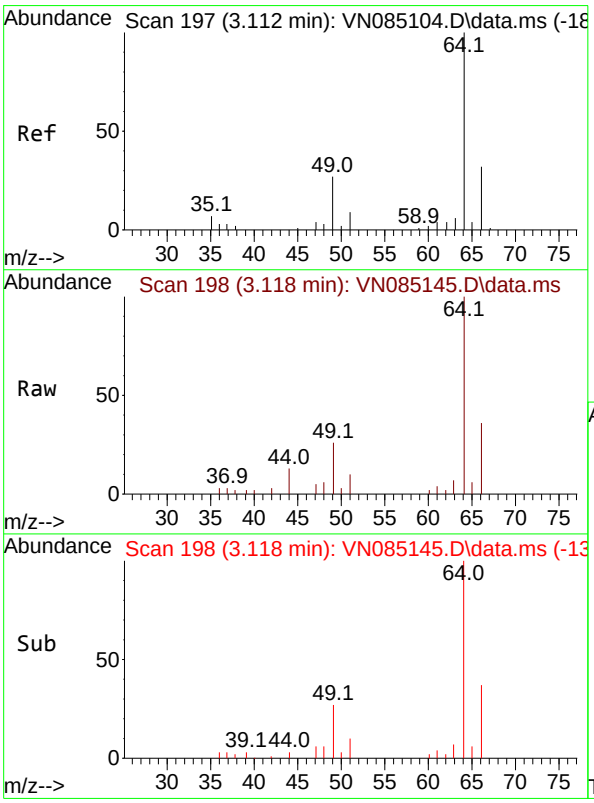
#5
Bromomethane
Concen: 22.573 ug/l
RT: 2.954 min Scan# 1
Delta R.T. 0.053 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 94 Resp: 21310

Ion	Ratio	Lower	Upper
94	100		
96	87.3	78.7	118.1

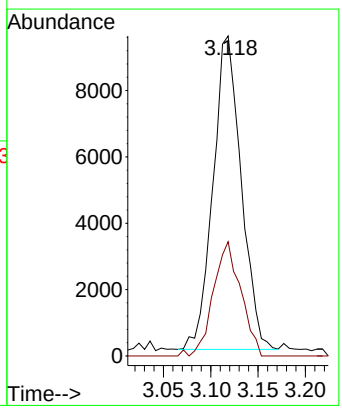


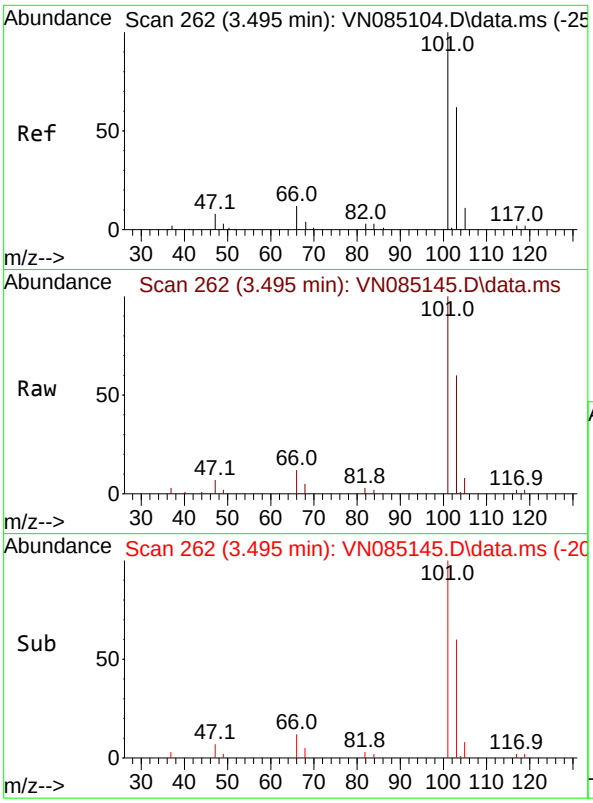


#6
Chloroethane
Concen: 17.224 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.053 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 64 Resp: 19554

Ion	Ratio	Lower	Upper
64	100		
66	36.5	24.4	36.6



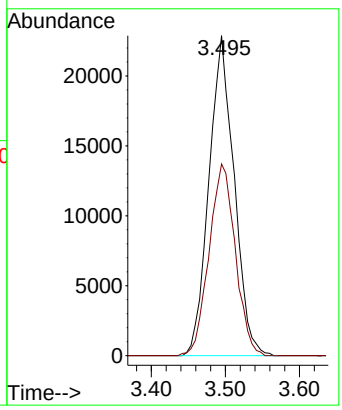


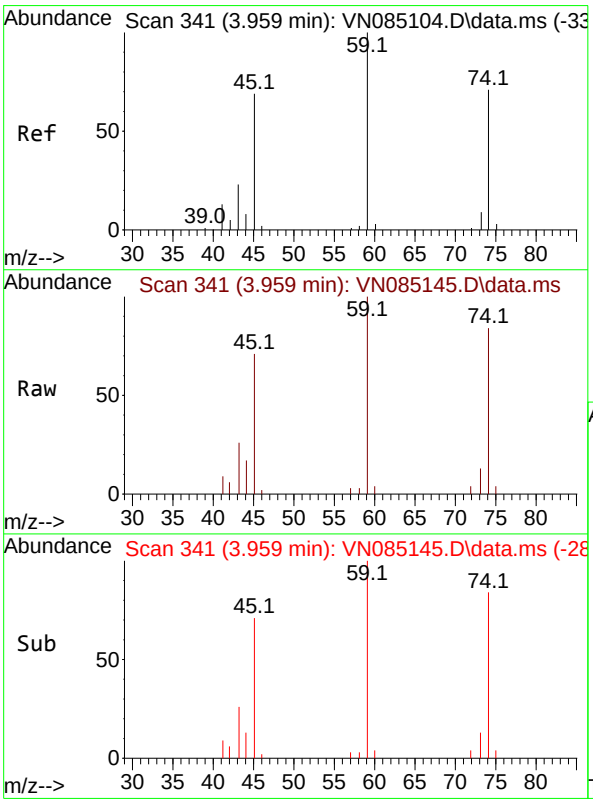
#7
Trichlorofluoromethane
Concen: 18.806 ug/l
RT: 3.495 min Scan# 2
Delta R.T. 0.035 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion:101 Resp: 53885

Ion	Ratio	Lower	Upper
101	100		
103	59.9	52.6	78.8

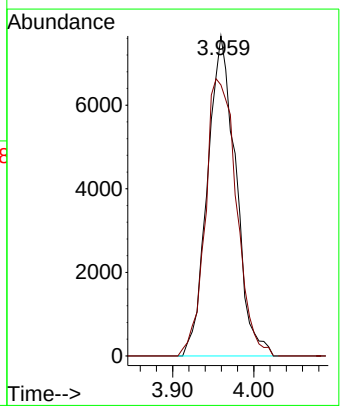


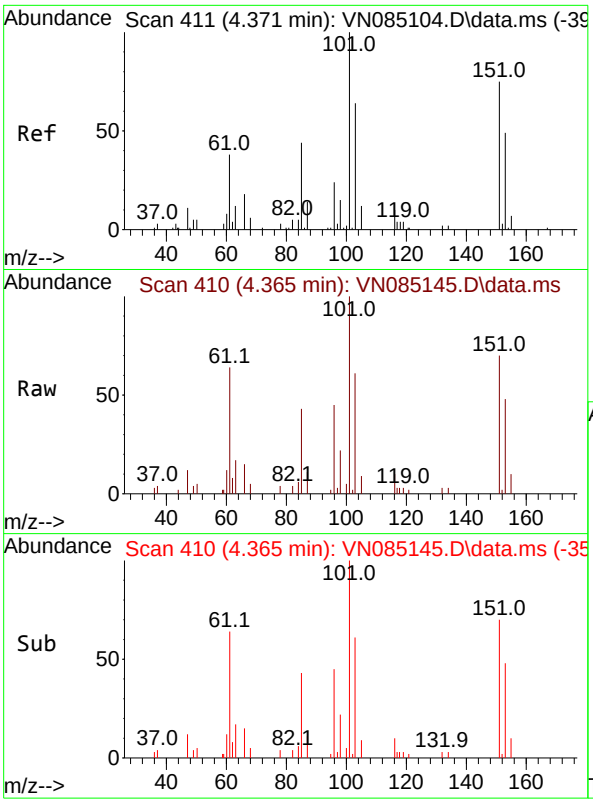


#8
Diethyl Ether
Concen: 18.999 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.012 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 74 Resp: 18528

Ion	Ratio	Lower	Upper
74	100		
45	95.3	46.7	140.1



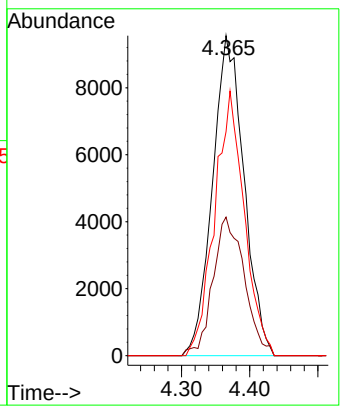


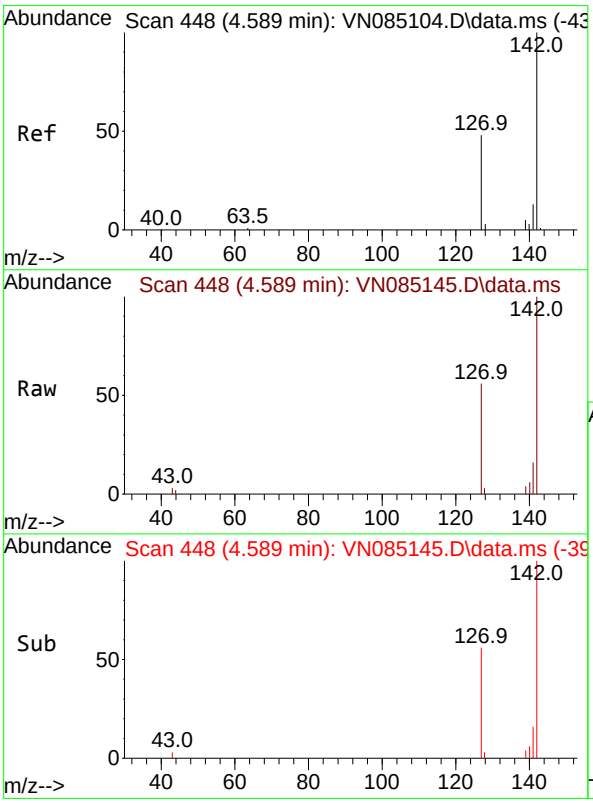
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.876 ug/l
RT: 4.365 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion:101 Resp: 30675

Ion	Ratio	Lower	Upper
101	100		
85	43.2	36.9	55.3
151	78.1	60.8	91.2

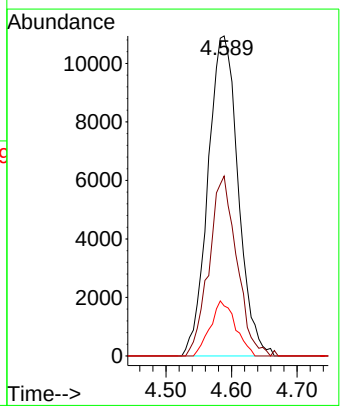


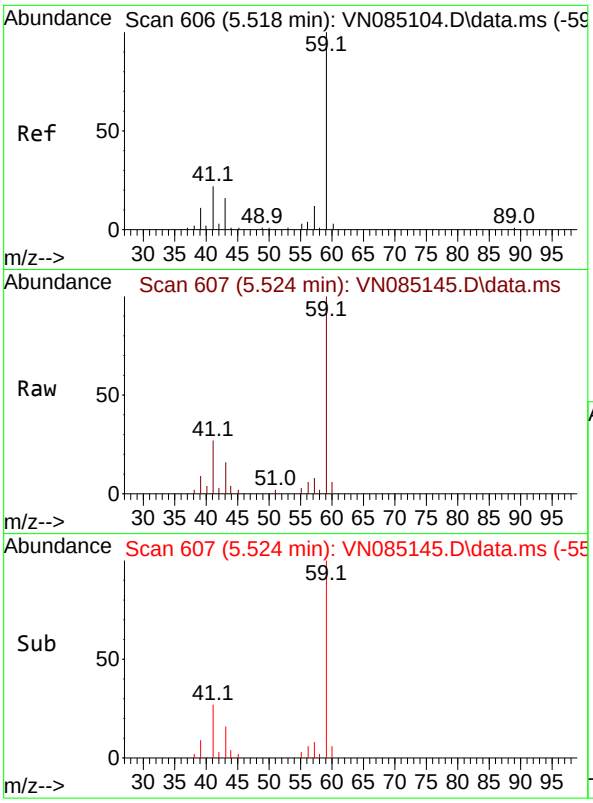


#10
Methyl Iodide
Concen: 16.209 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.018 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:142 Resp: 34867

Ion	Ratio	Lower	Upper
142	100		
127	56.2	36.6	54.8#
141	15.7	12.2	18.4



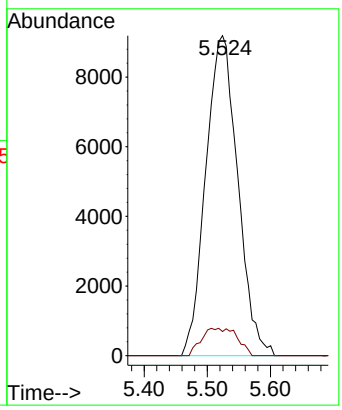


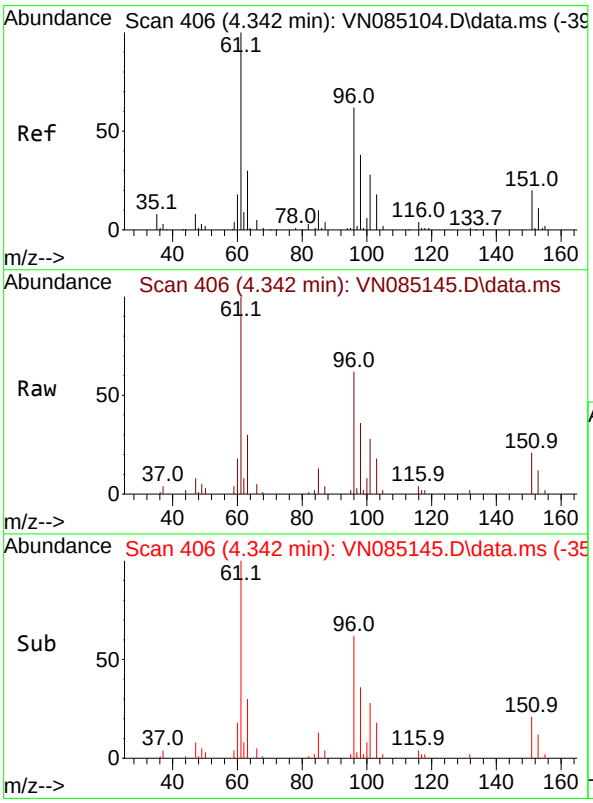
#11
Tert butyl alcohol
Concen: 119.009 ug/l
RT: 5.524 min Scan# 6
Delta R.T. -0.018 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 59 Resp: 32374

Ion	Ratio	Lower	Upper
59	100		
57	5.7	7.4	11.0#

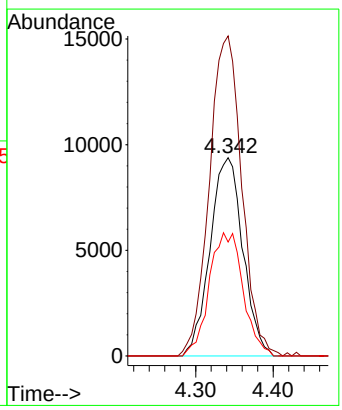


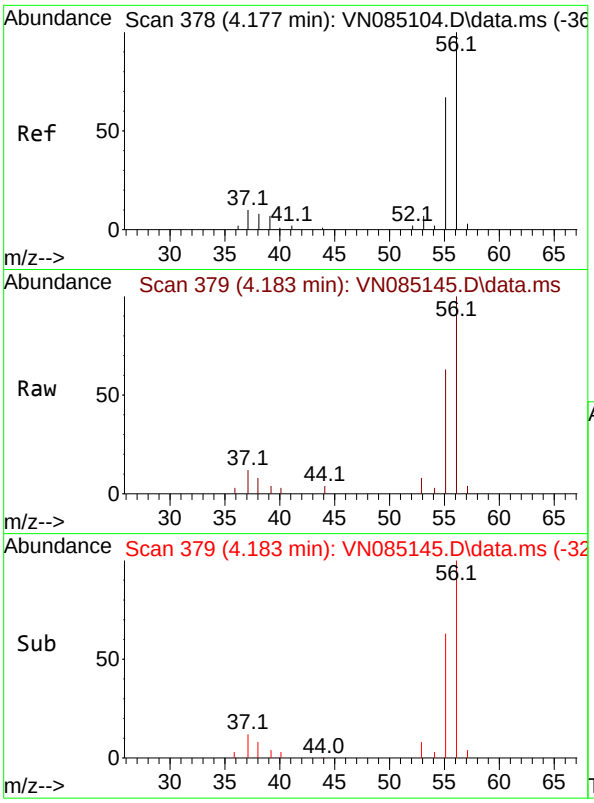


#12
1,1-Dichloroethene
Concen: 18.188 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.024 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 96 Resp: 27589

Ion	Ratio	Lower	Upper
96	100		
61	161.5	127.8	191.8
98	57.5	49.2	73.8



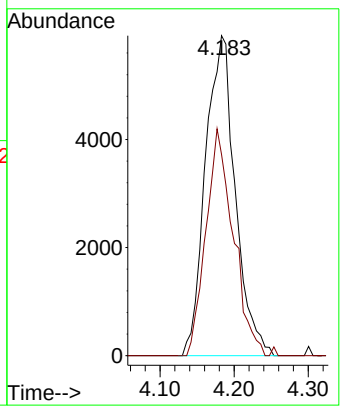


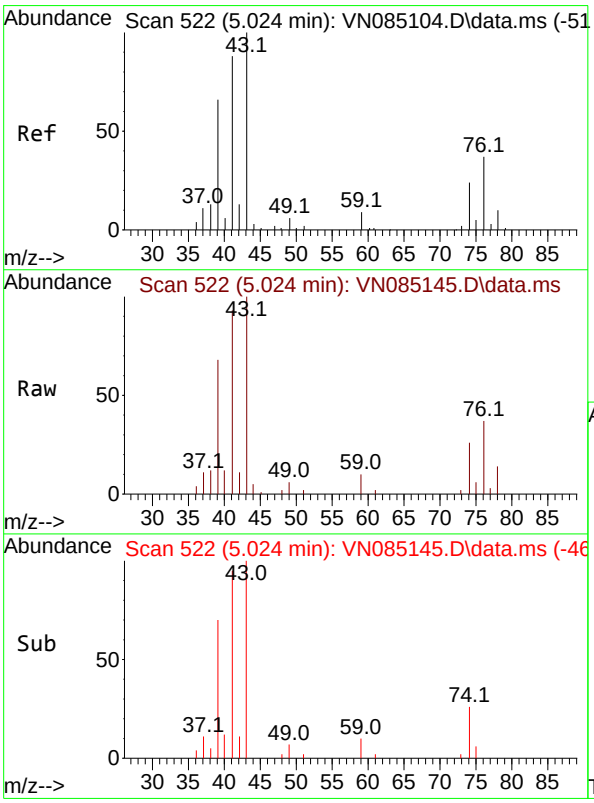
#13
Acrolein
Concen: 91.082 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.018 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 56 Resp: 16533

Ion	Ratio	Lower	Upper
56	100		
55	65.0	54.5	81.7

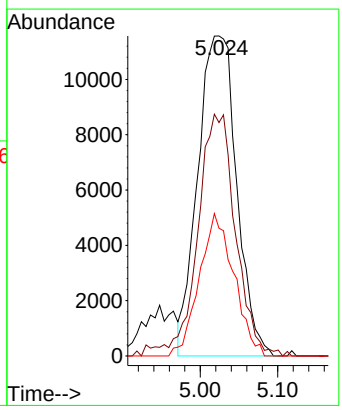


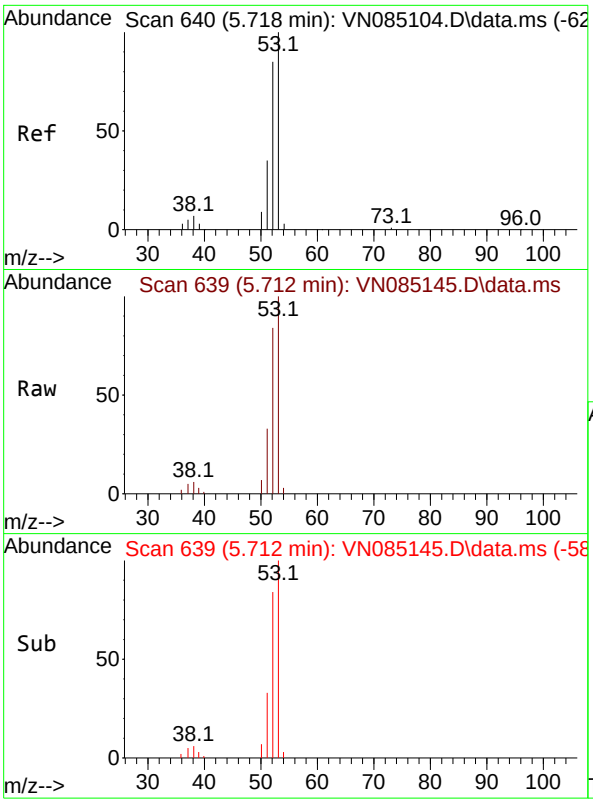


#14
Allyl chloride
Concen: 15.799 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.018 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 41 Resp: 40399

Ion	Ratio	Lower	Upper
41	100		
39	73.9	53.8	80.8
76	39.4	29.3	43.9



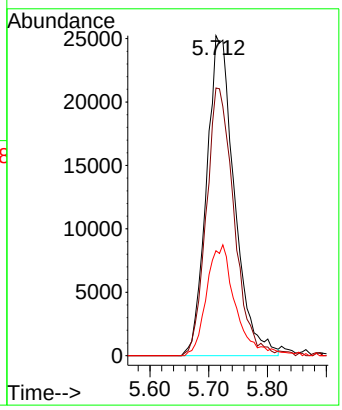


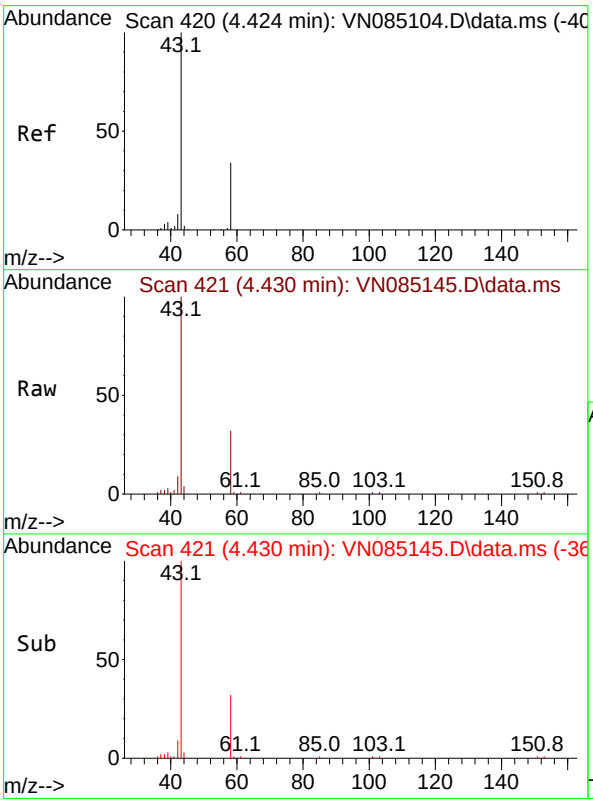
#15
Acrylonitrile
Concen: 107.998 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 53 Resp: 83176

Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.5	98.3
51	36.1	28.4	42.6

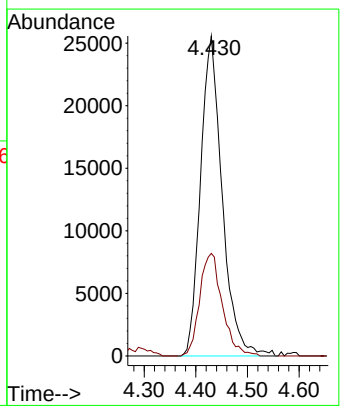


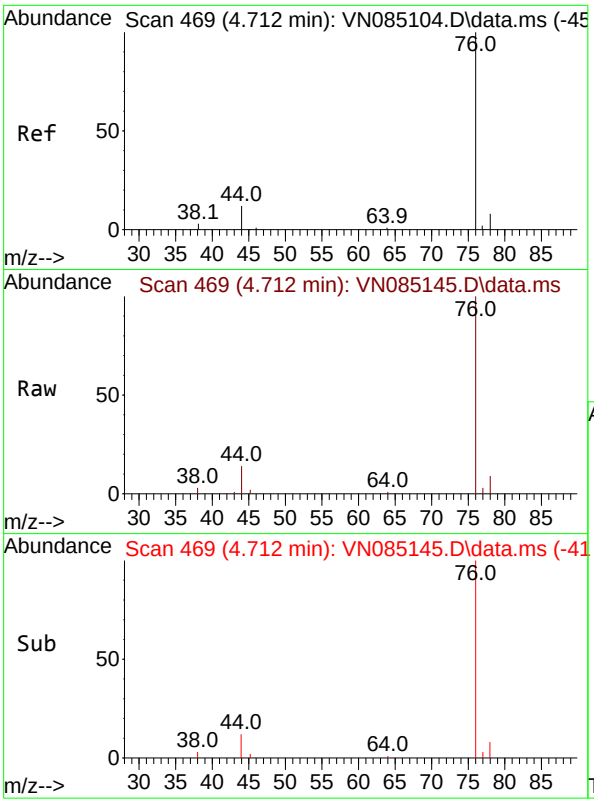


#16
Acetone
Concen: 125.441 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 43 Resp: 74370

Ion	Ratio	Lower	Upper
43	100		
58	32.1	25.4	38.2



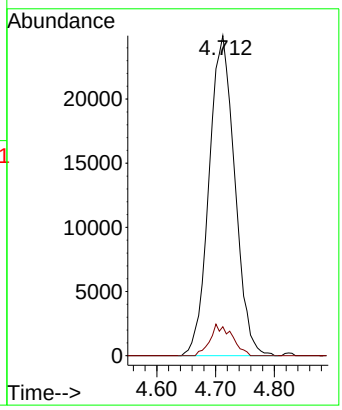


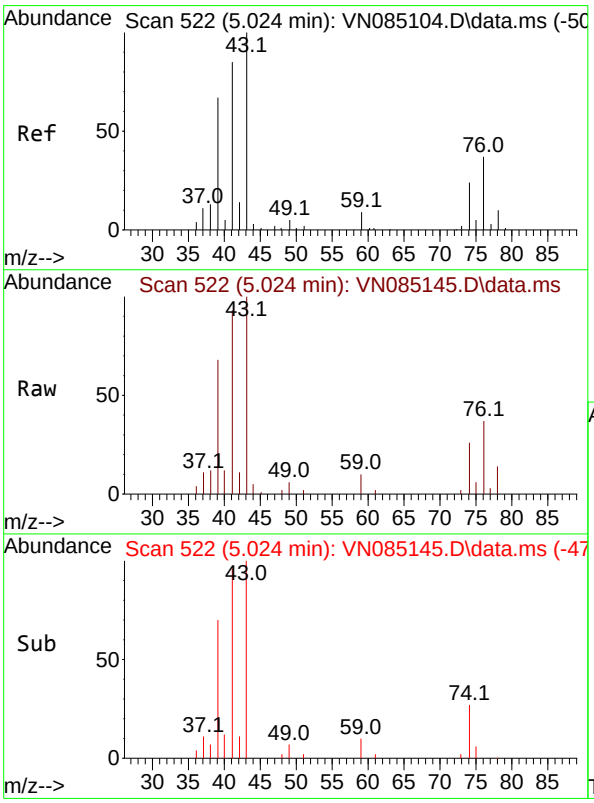
#17
Carbon Disulfide
Concen: 16.942 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.018 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 76 Resp: 75855

Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.5	9.7

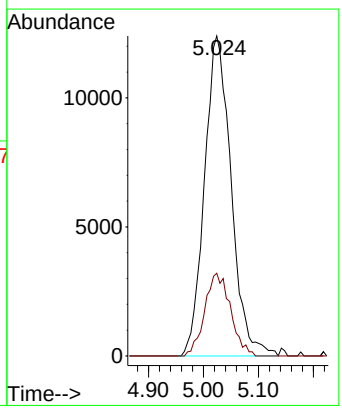


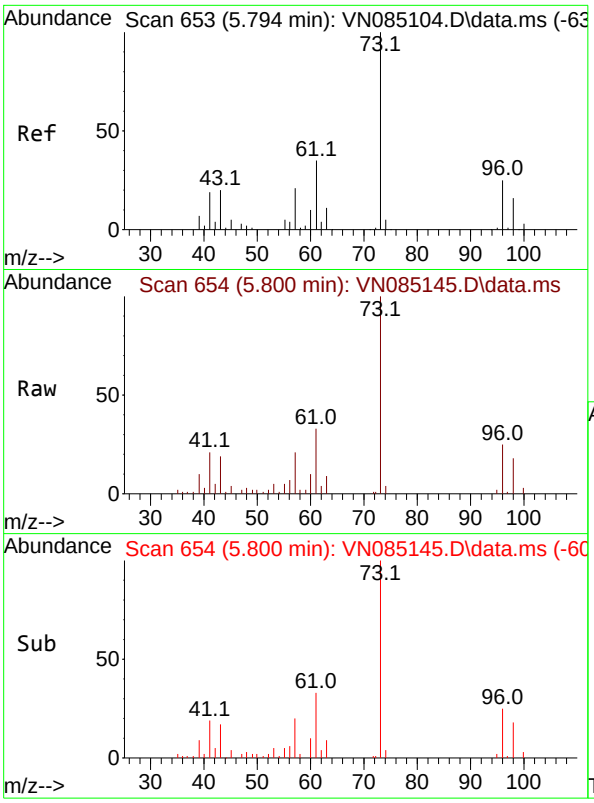


#18
Methyl Acetate
Concen: 21.363 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 43 Resp: 41727

Ion	Ratio	Lower	Upper
43	100		
74	25.0	20.1	30.1



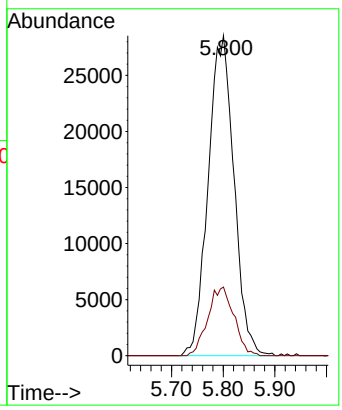


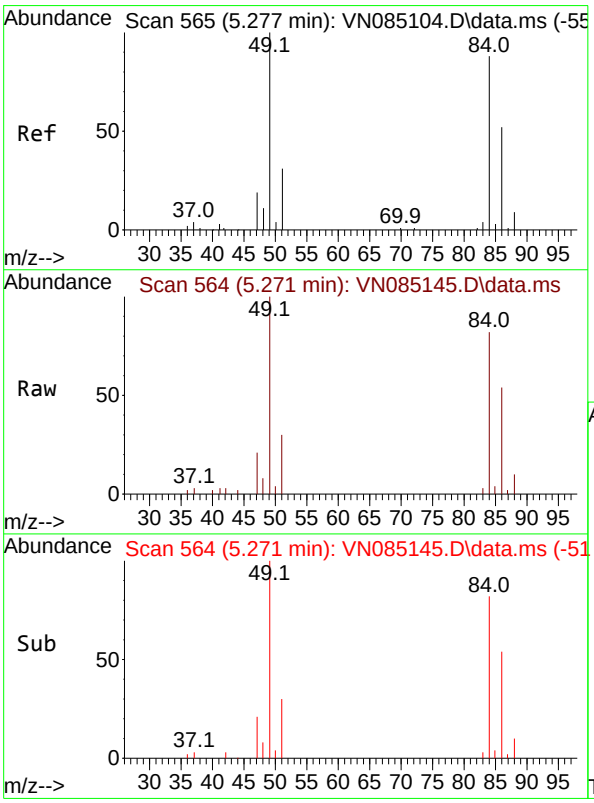
#19
Methyl tert-butyl Ether
Concen: 19.978 ug/l
RT: 5.800 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 73 Resp: 99012

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.0	25.4

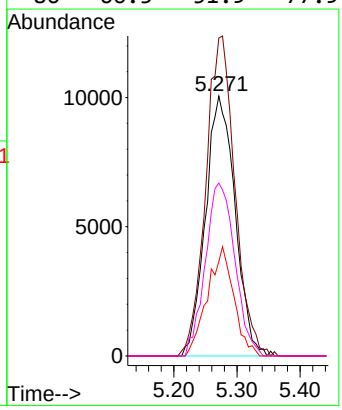


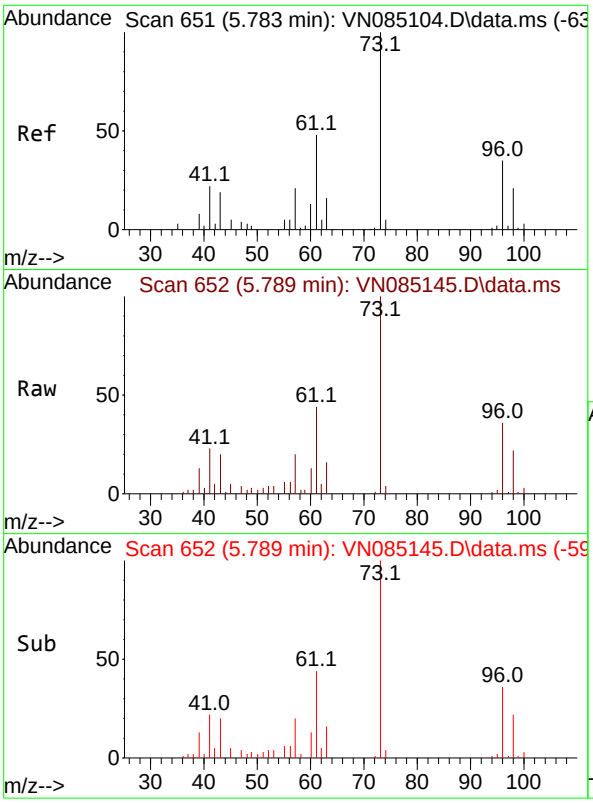


#20
Methylene Chloride
Concen: 18.123 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 84 Resp: 32787

Ion	Ratio	Lower	Upper
84	100		
49	122.3	92.7	139.1
51	36.3	29.4	44.2
86	66.5	51.9	77.9



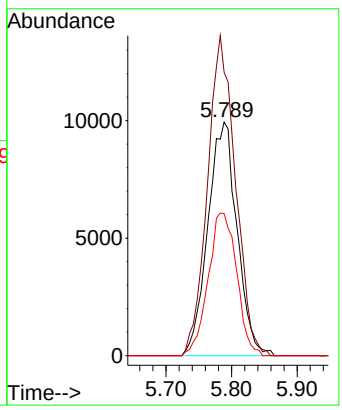


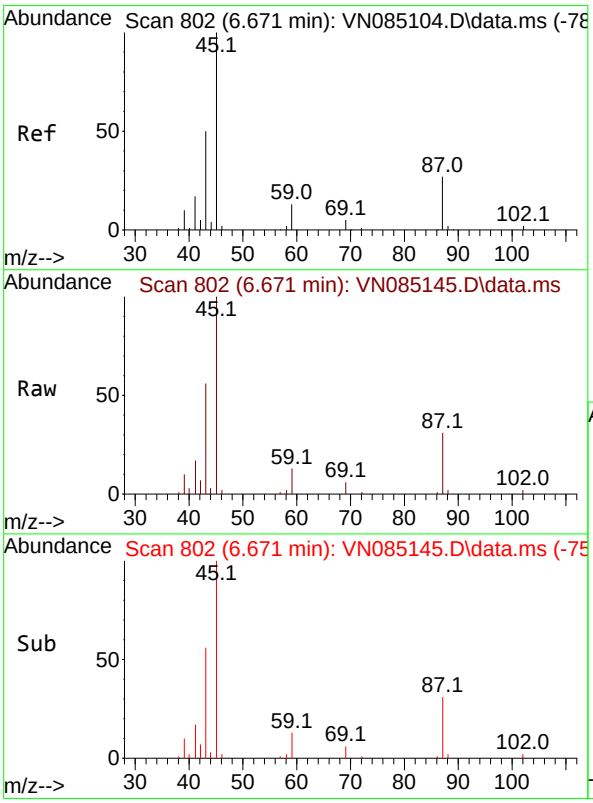
#21
trans-1,2-Dichloroethene
Concen: 19.261 ug/l
RT: 5.789 min Scan# 6
Delta R.T. 0.018 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 96 Resp: 30746

Ion	Ratio	Lower	Upper
96	100		
61	121.3	100.7	151.1
98	60.8	45.8	68.6

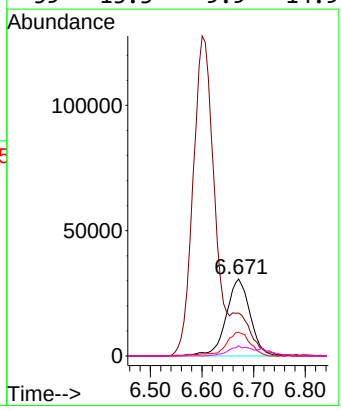


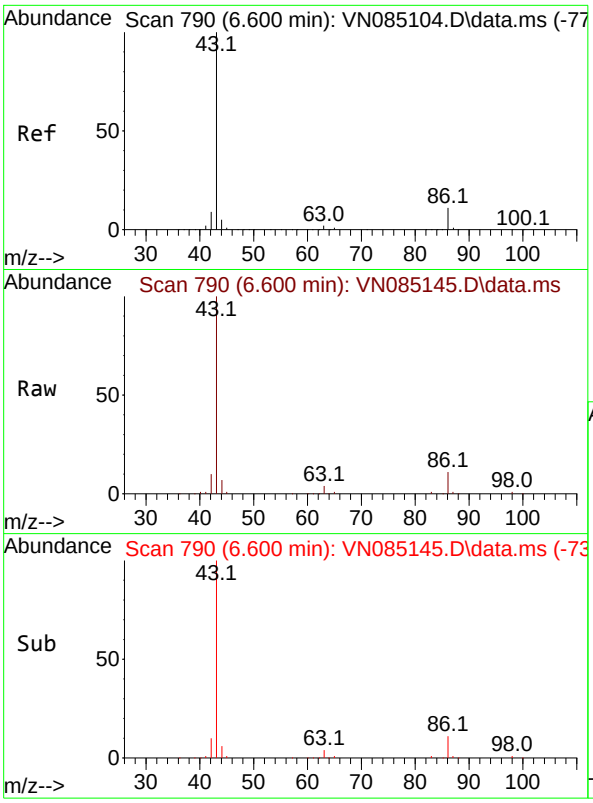


#22
Diisopropyl ether
Concen: 19.159 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 45 Resp: 98604

Ion	Ratio	Lower	Upper
45	100		
43	54.1	42.7	64.1
87	30.9	22.6	34.0
59	13.3	9.9	14.9



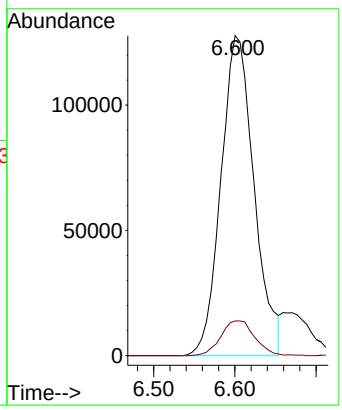


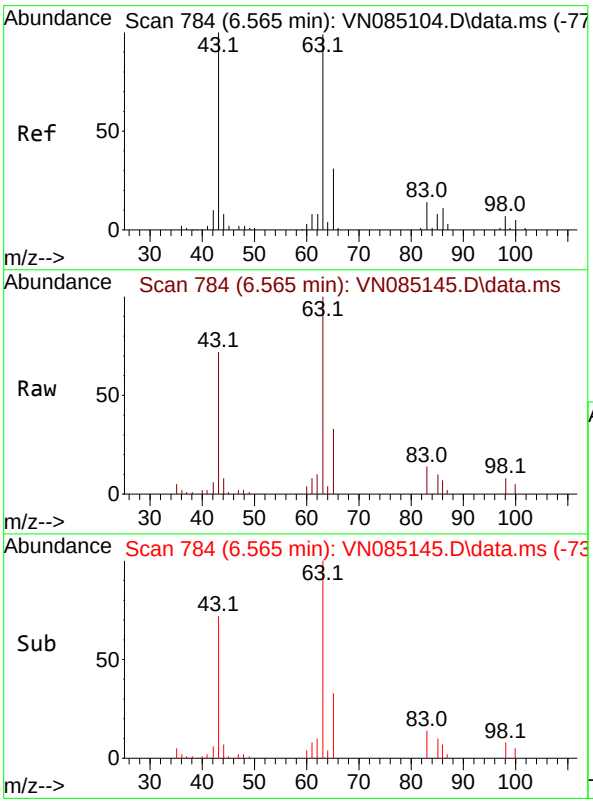
#23
Vinyl Acetate
Concen: 102.144 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 43 Resp: 362666

Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.9	13.3

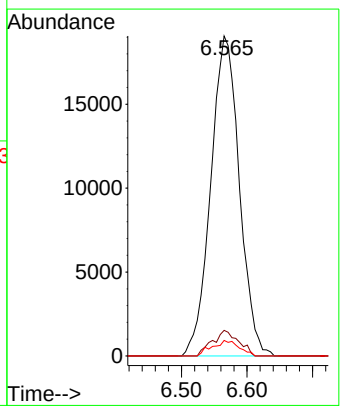


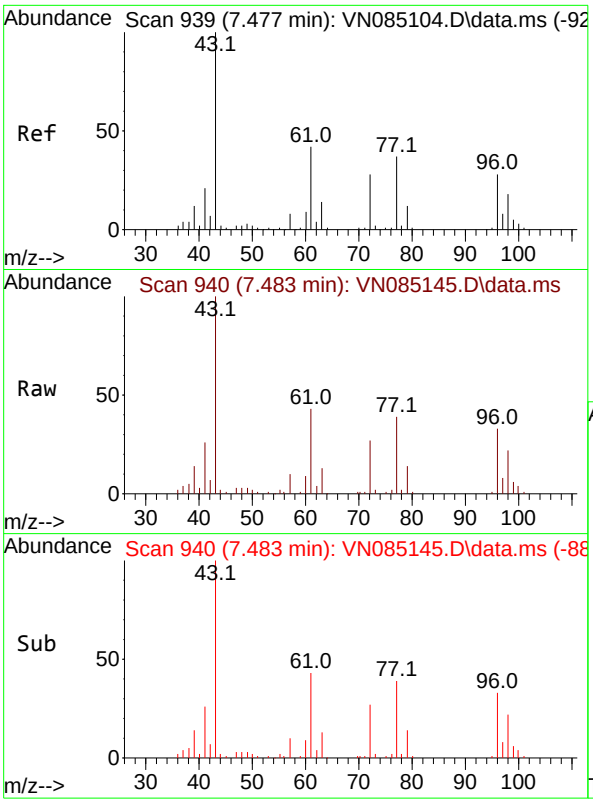


#24
1,1-Dichloroethane
Concen: 18.746 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.012 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 63 Resp: 57735

Ion	Ratio	Lower	Upper
63	100		
98	8.0	3.3	9.8
100	4.8	2.2	6.6



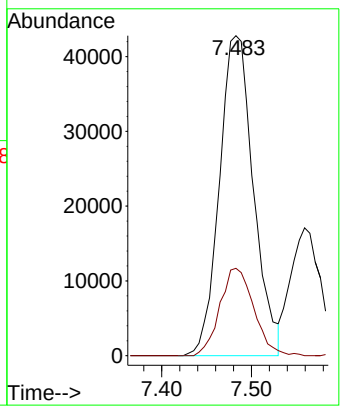


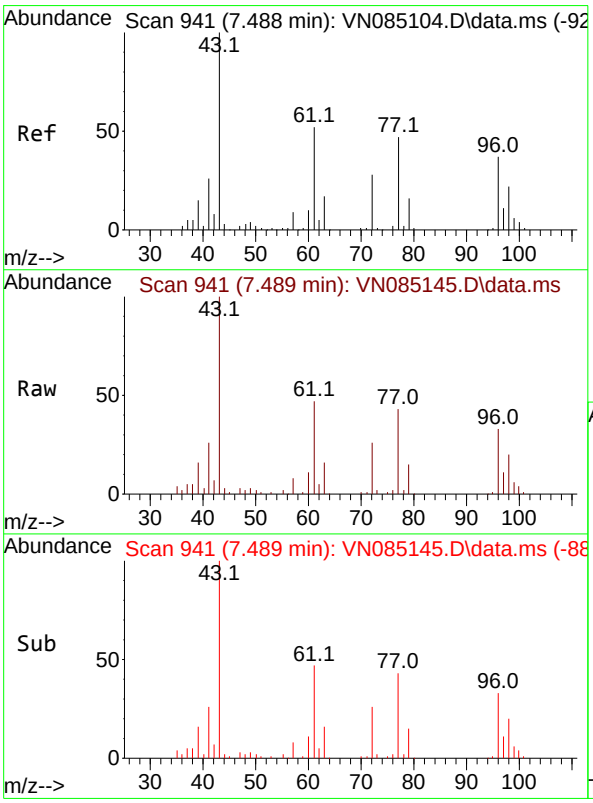
#25
2-Butanone
Concen: 116.364 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 43 Resp: 112790

Ion	Ratio	Lower	Upper
43	100		
72	27.3	21.4	32.0

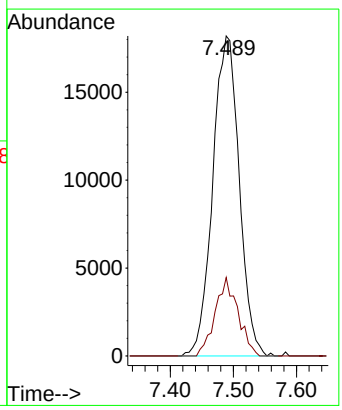


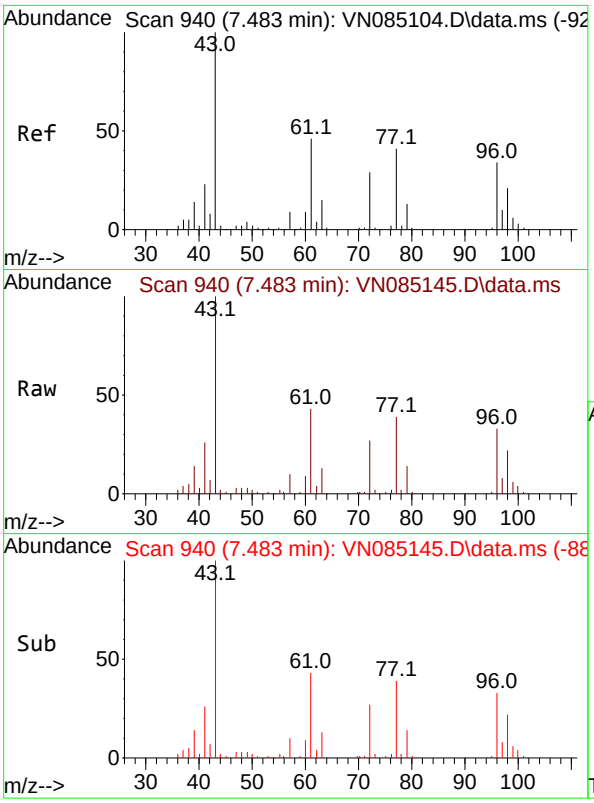


#26
2,2-Dichloropropane
Concen: 18.386 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 77 Resp: 52876

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.9	32.7



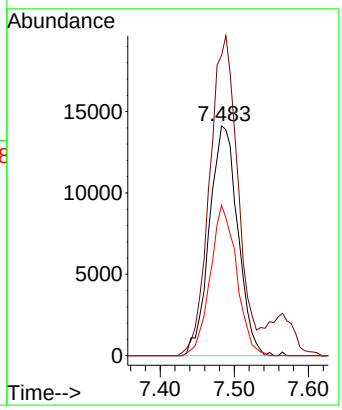


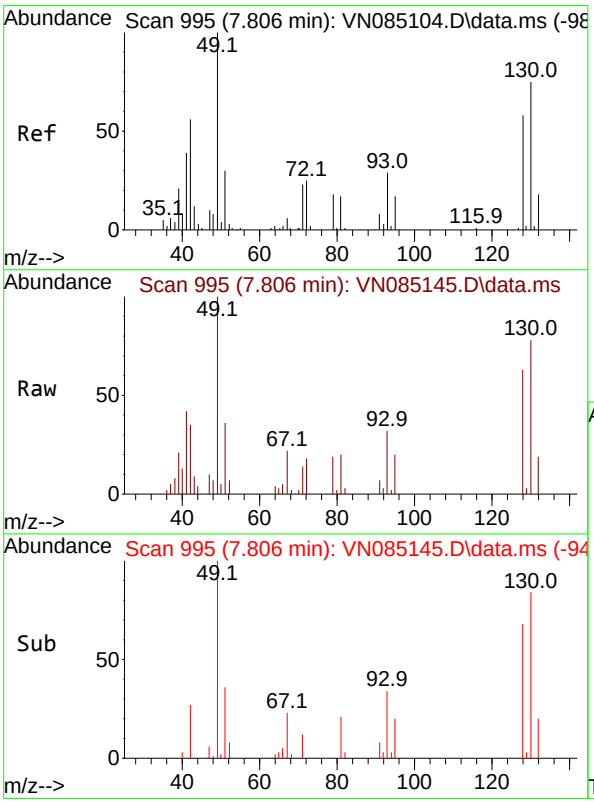
#27
cis-1,2-Dichloroethene
Concen: 19.514 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 96 Resp: 37551

Ion	Ratio	Lower	Upper
96	100		
61	141.2	0.0	291.6
98	60.8	0.0	129.8

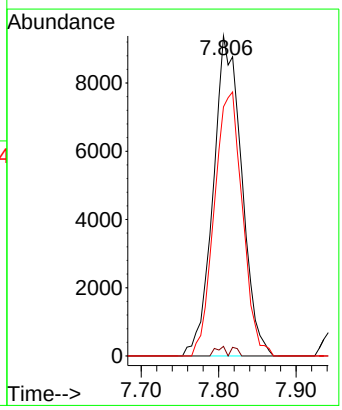


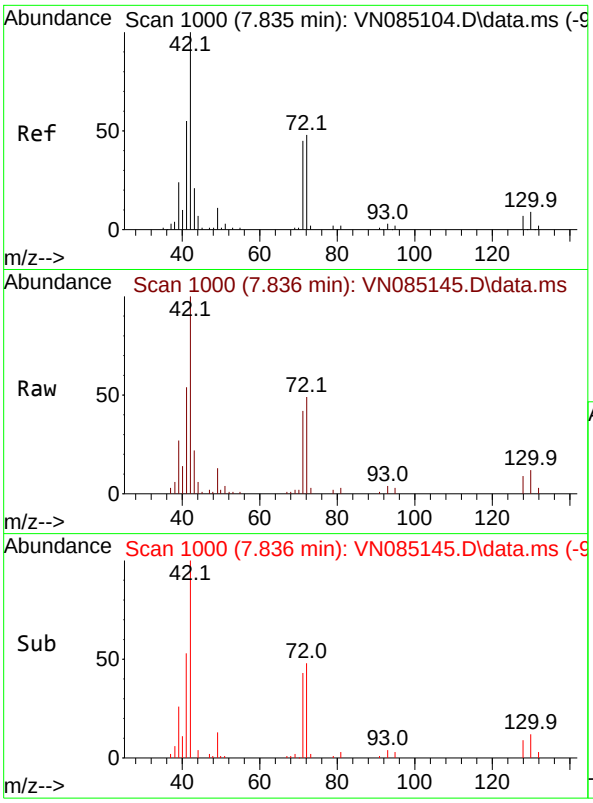


#28
Bromochloromethane
Concen: 20.617 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 49 Resp: 23969

Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.0
130	0.0	60.6	90.8#



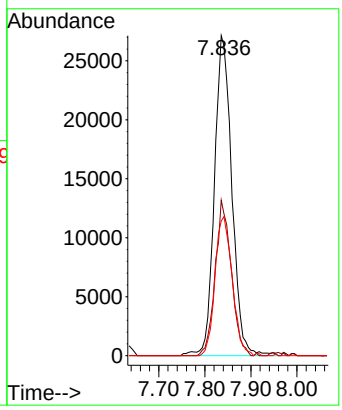


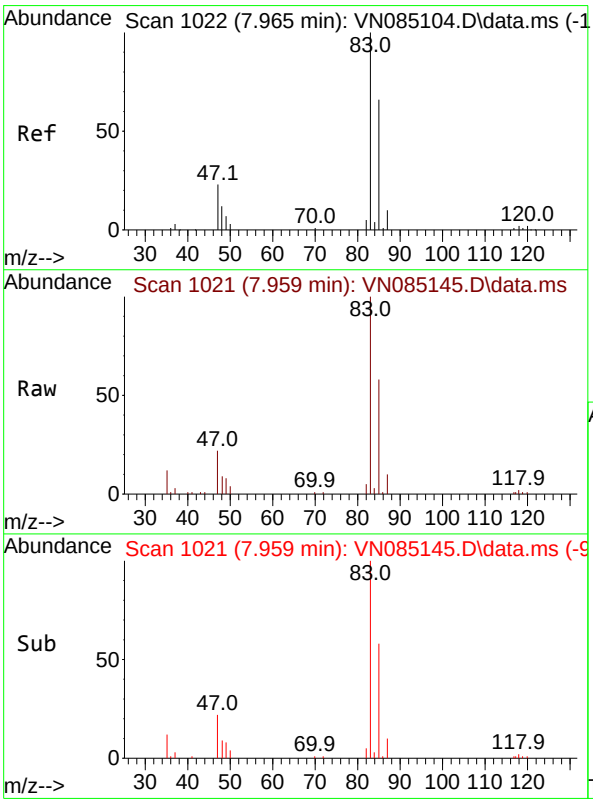
#29
Tetrahydrofuran
Concen: 118.337 ug/l
RT: 7.836 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 42 Resp: 71330

Ion	Ratio	Lower	Upper
42	100		
72	44.7	37.0	55.4
71	42.8	35.0	52.4

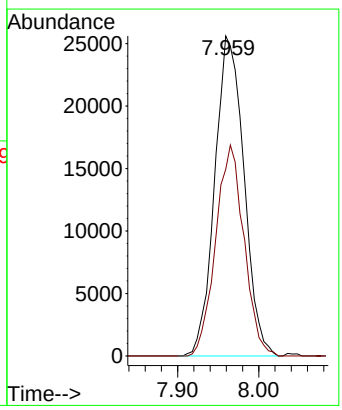


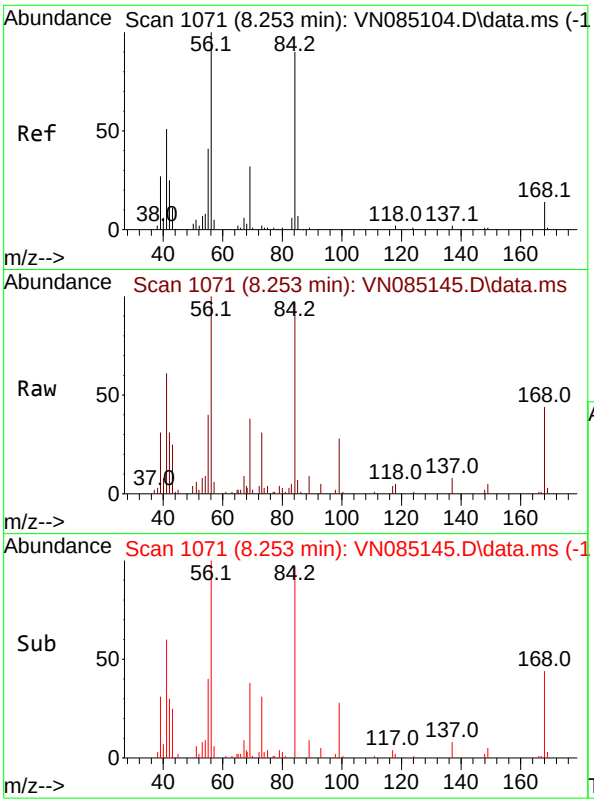


#30
Chloroform
Concen: 19.513 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 83 Resp: 63927

Ion	Ratio	Lower	Upper
83	100		
85	58.3	52.6	78.8



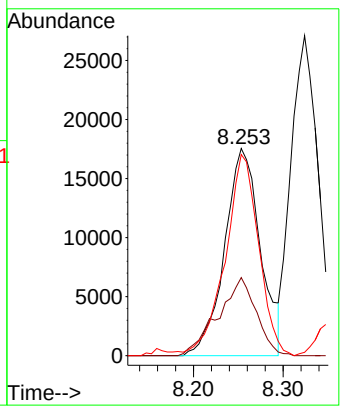


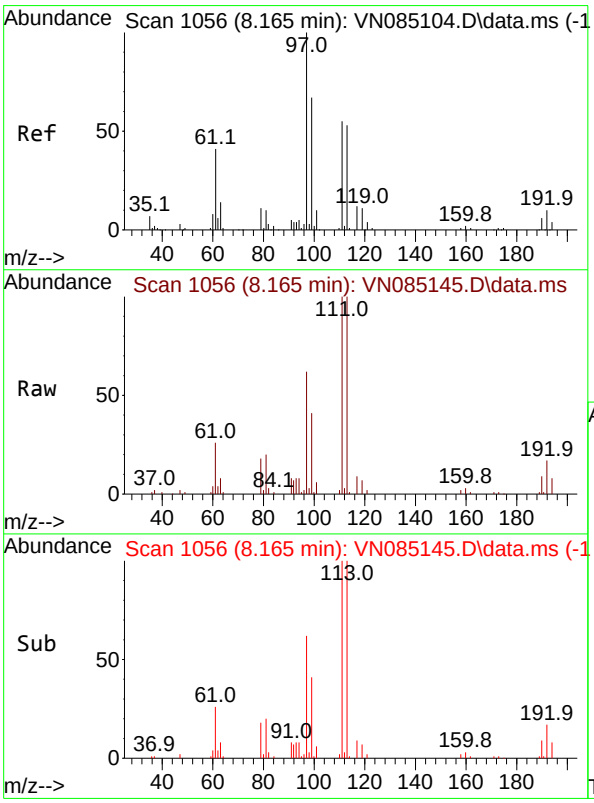
#31
Cyclohexane
Concen: 17.980 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 56 Resp: 48755

Ion	Ratio	Lower	Upper
56	100		
69	37.7	24.6	36.8#
84	95.1	71.4	107.2

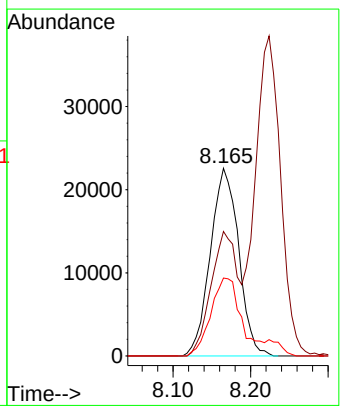


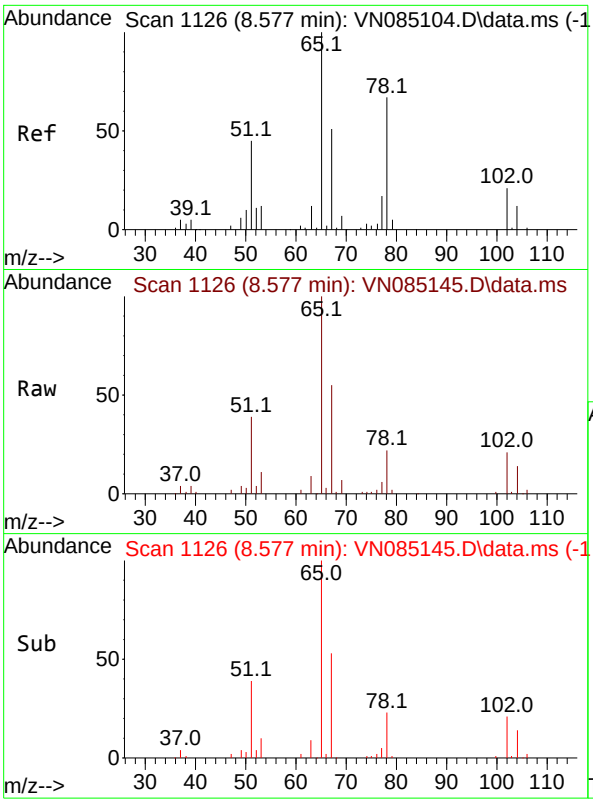


#32
1,1,1-Trichloroethane
Concen: 19.337 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 97 Resp: 57246

Ion	Ratio	Lower	Upper
97	100		
99	62.4	51.0	76.4
61	45.1	36.2	54.2



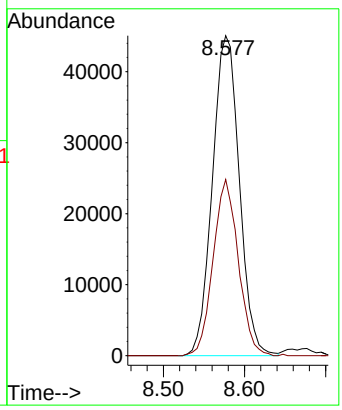


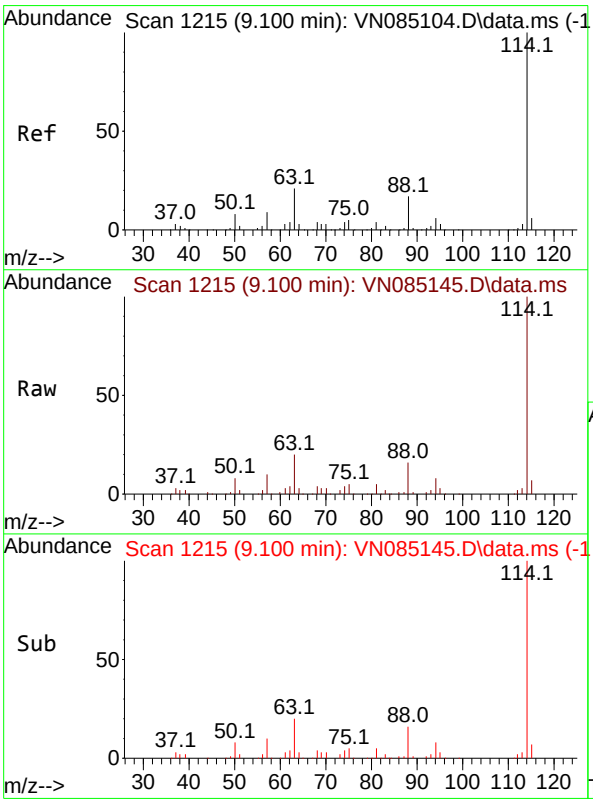
#33
1,2-Dichloroethane-d4
Concen: 51.041 ug/l
RT: 8.577 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 65 Resp: 103903

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	105.0

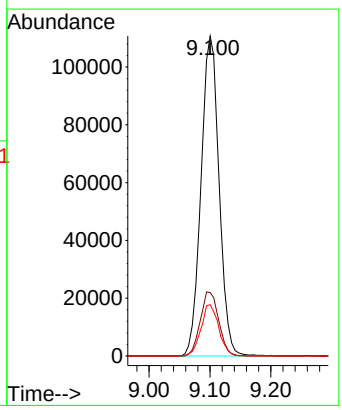


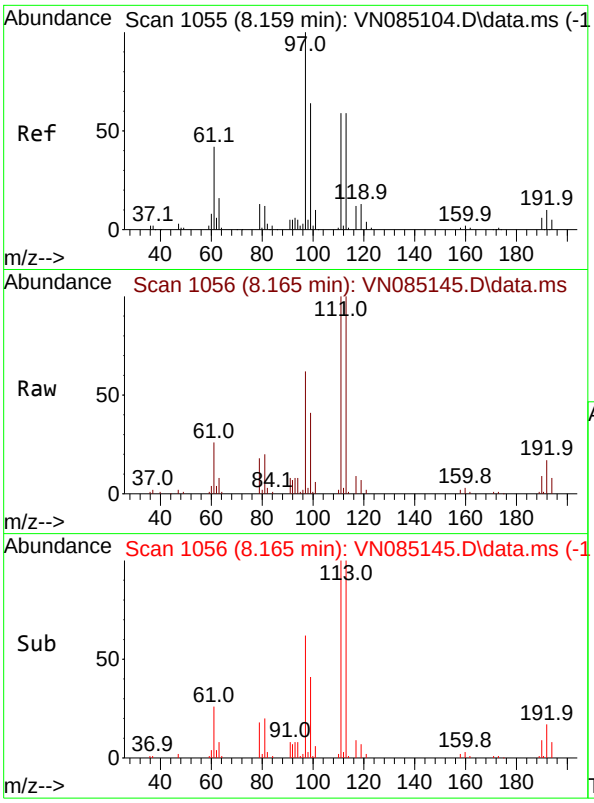


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:114 Resp: 227734

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	41.0
88	16.0	0.0	34.8



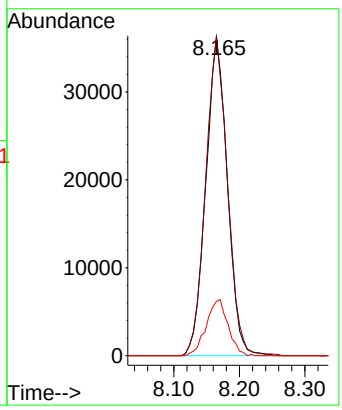


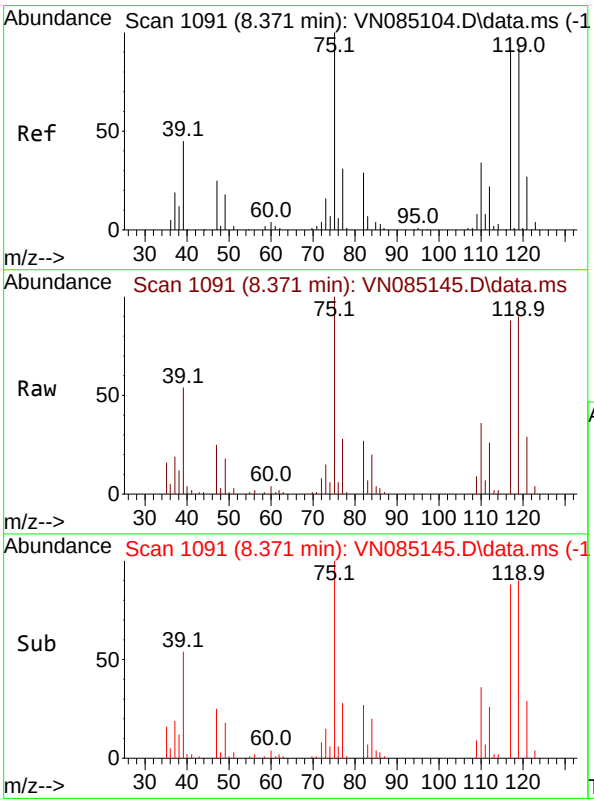
#35
Dibromofluoromethane
Concen: 53.889 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion:113 Resp: 82760

Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.0	123.0
192	17.8	14.8	22.2

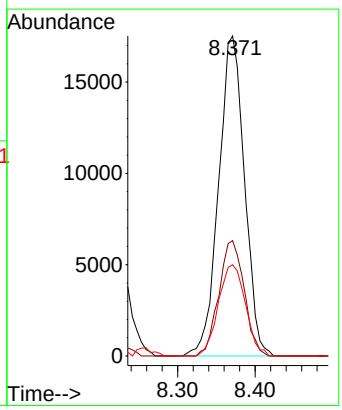


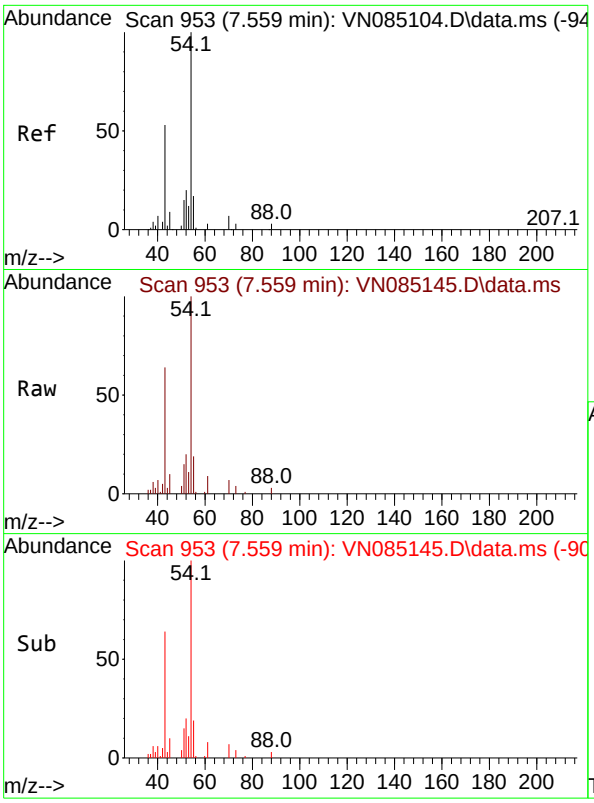


#36
1,1-Dichloropropene
Concen: 19.540 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 75 Resp: 40646

Ion	Ratio	Lower	Upper
75	100		
110	35.3	17.2	51.6
77	29.8	24.2	36.4



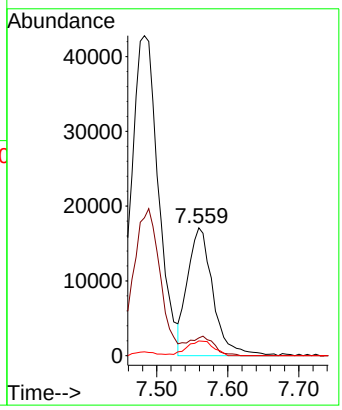


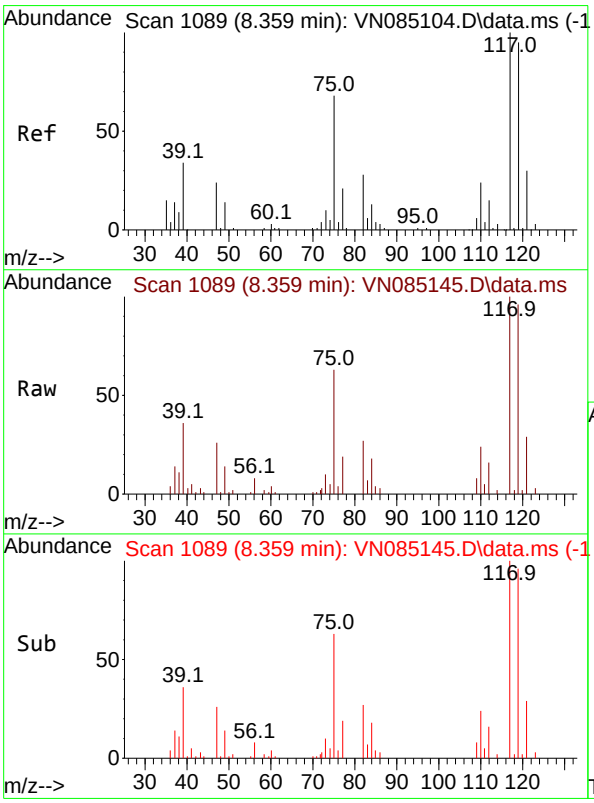
#37
Ethyl Acetate
Concen: 22.530 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 43 Resp: 42607

Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.7	17.5
70	12.2	9.3	13.9

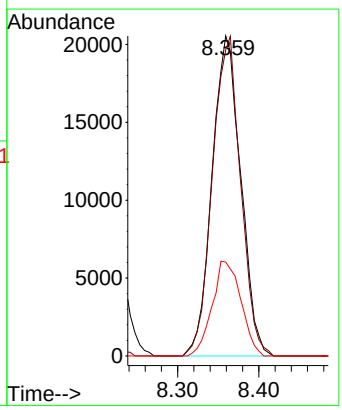


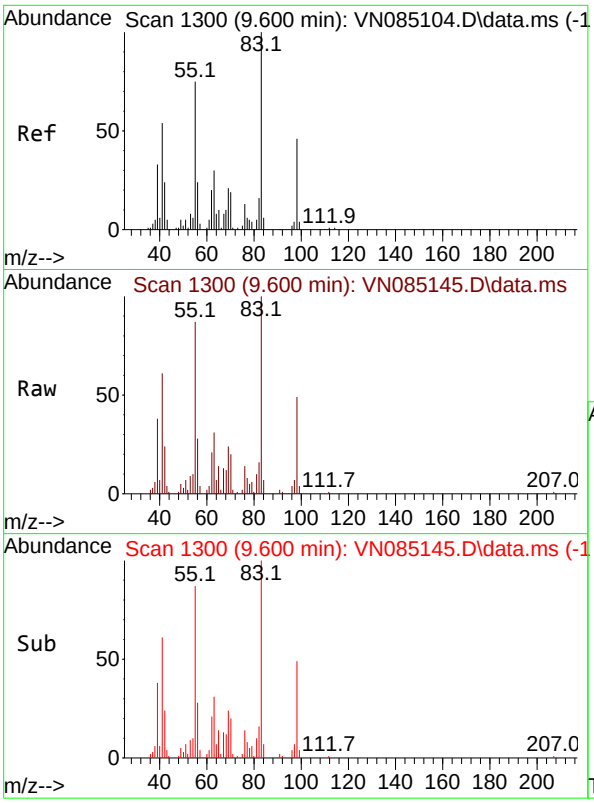


#38
Carbon Tetrachloride
Concen: 20.975 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:117 Resp: 50365

Ion	Ratio	Lower	Upper
117	100		
119	95.6	78.6	117.8
121	29.4	24.2	36.2



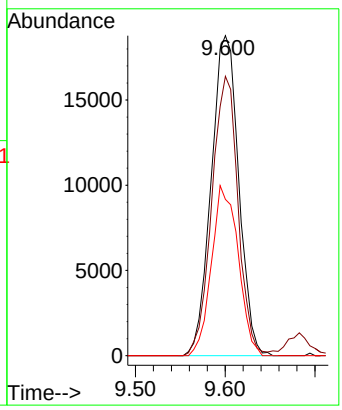


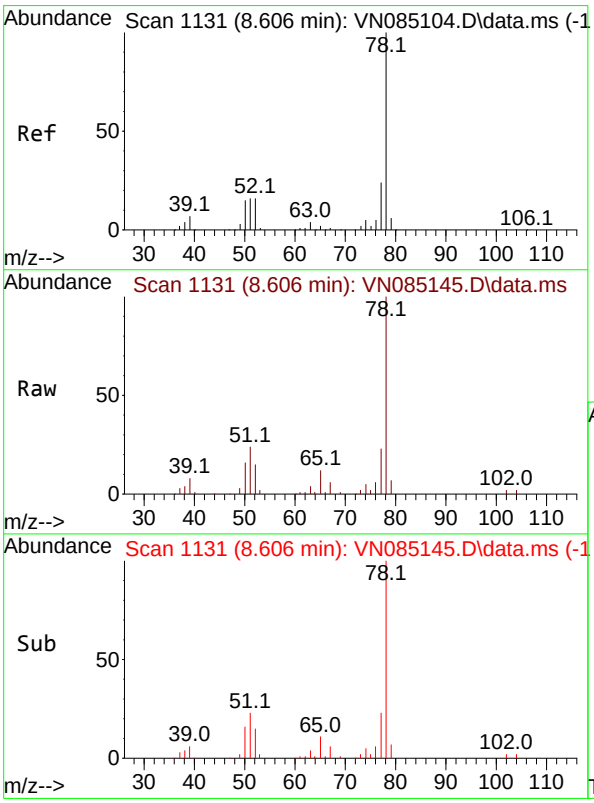
#39
Methylcyclohexane
Concen: 18.501 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 83 Resp: 39992

Ion	Ratio	Lower	Upper
83	100		
55	87.3	61.8	92.6
98	48.8	37.0	55.6

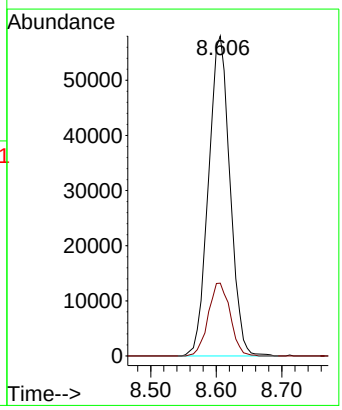


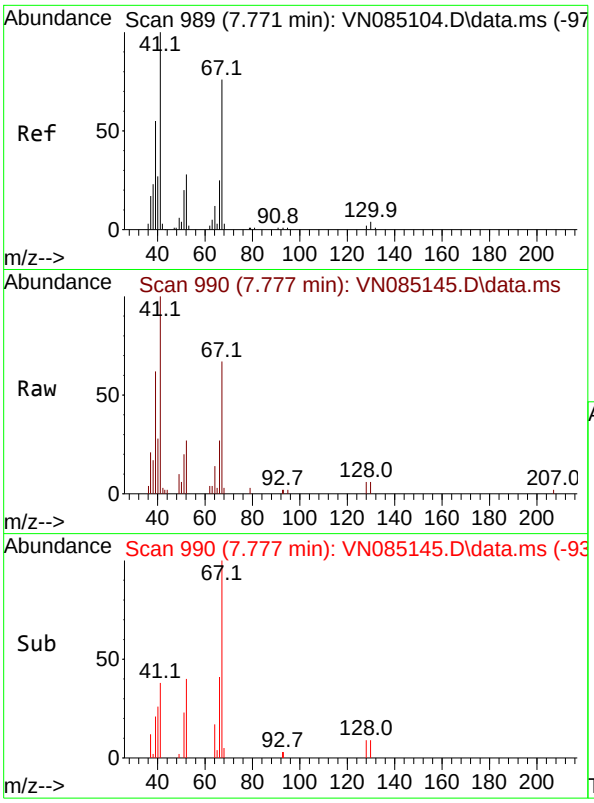


#40
Benzene
Concen: 20.048 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 78 Resp: 131898

Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.5	27.7



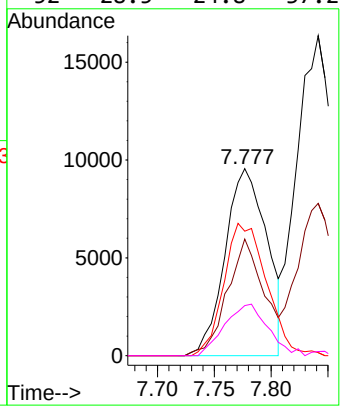


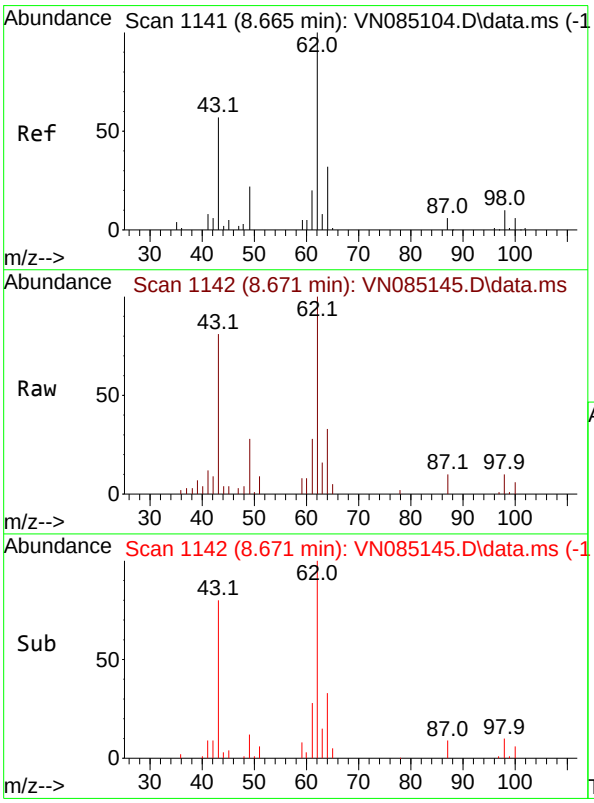
#41
Methacrylonitrile
Concen: 23.385 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 41 Resp: 24485

Ion	Ratio	Lower	Upper
41	100		
39	54.5	42.6	63.8
67	72.3	59.9	89.9
52	28.5	24.8	37.2

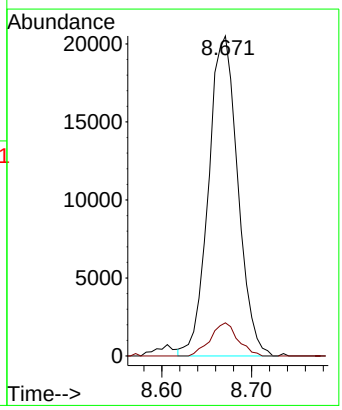


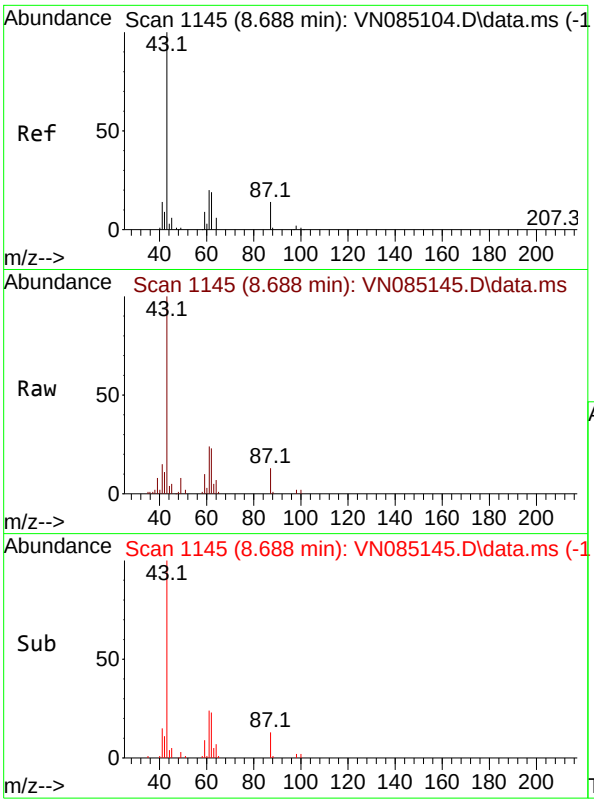


#42
1,2-Dichloroethane
Concen: 20.649 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 62 Resp: 46478

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.2



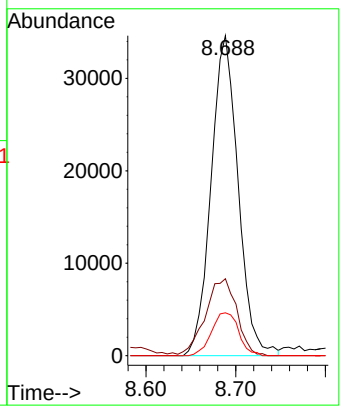


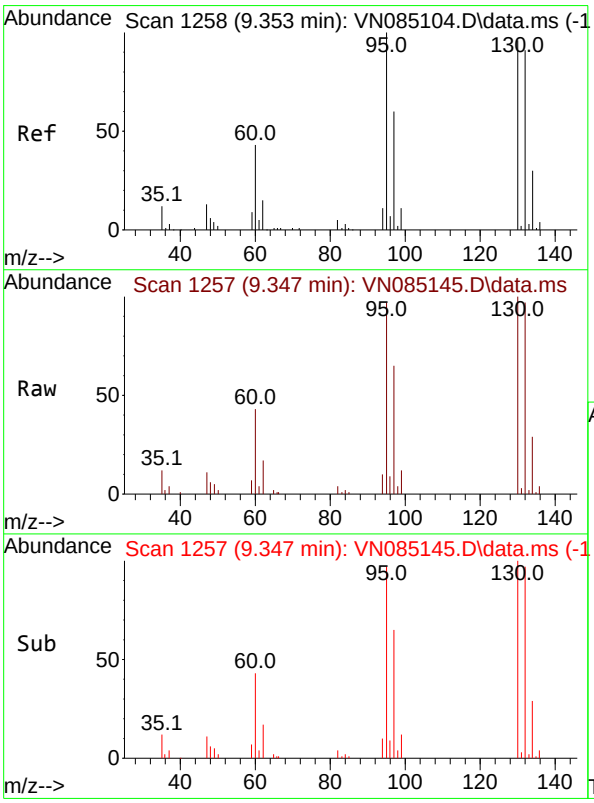
#43
Isopropyl Acetate
Concen: 18.444 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 43 Resp: 72452

Ion	Ratio	Lower	Upper
43	100		
61	27.8	20.6	30.8
87	13.5	11.0	16.4

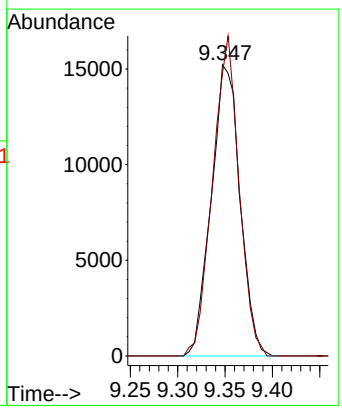


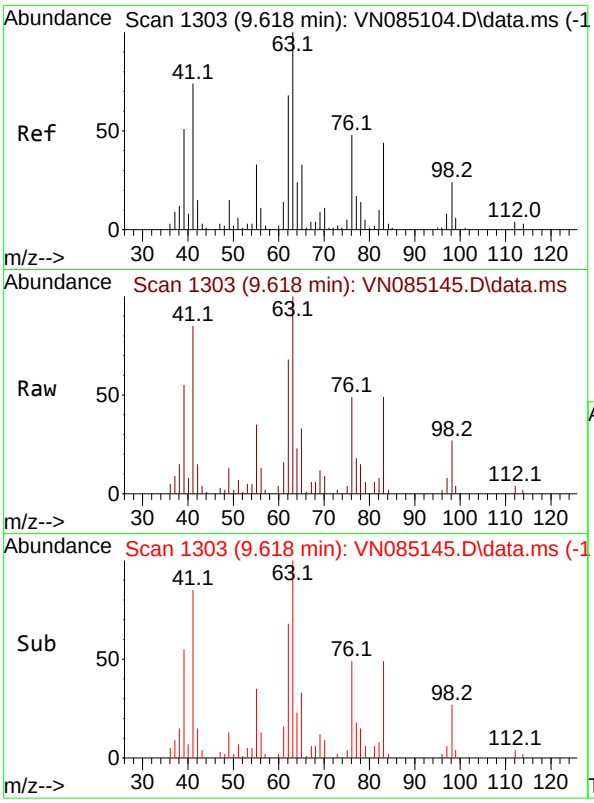


#44
Trichloroethene
Concen: 21.047 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:130 Resp: 32181

Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	213.4



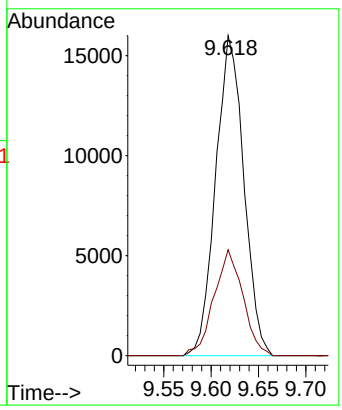


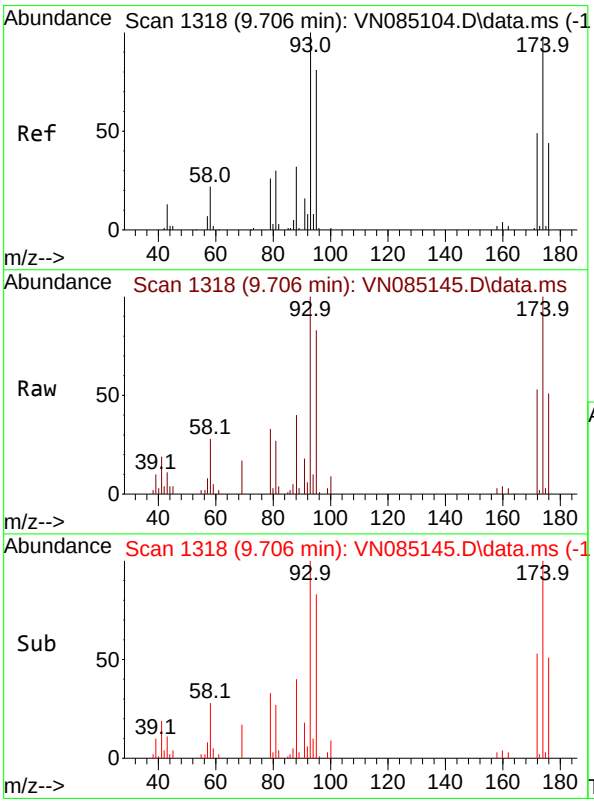
#45
1,2-Dichloropropane
Concen: 20.380 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 63 Resp: 33025

Ion	Ratio	Lower	Upper
63	100		
65	33.1	24.0	36.0

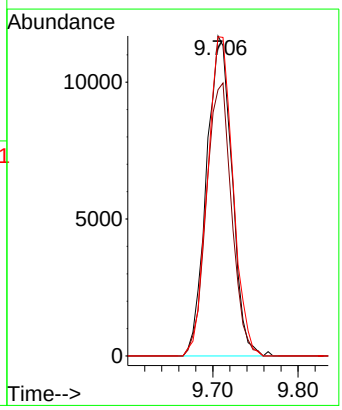


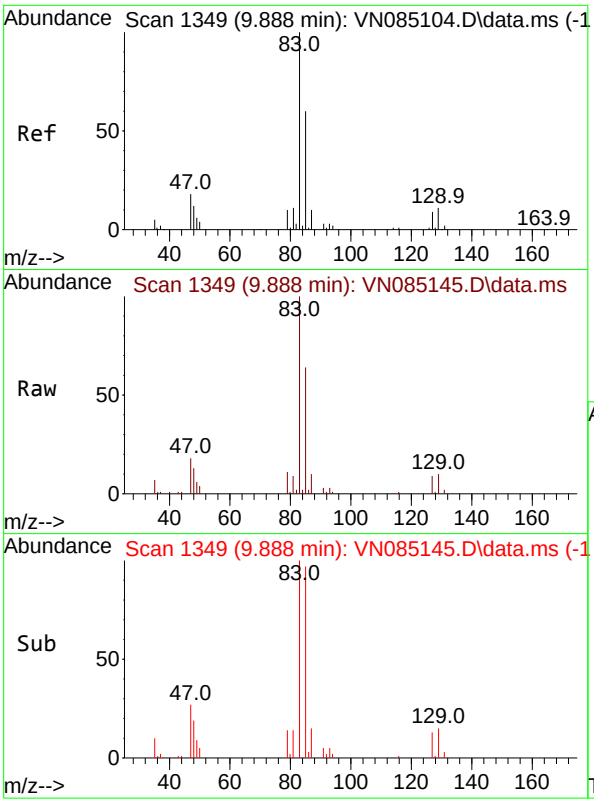


#46
Dibromomethane
Concen: 21.544 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 93 Resp: 24259

Ion	Ratio	Lower	Upper
93	100		
95	84.8	66.2	99.4
174	99.8	74.9	112.3



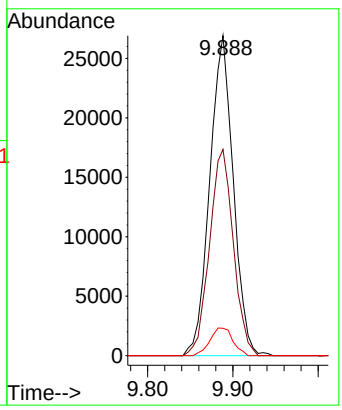


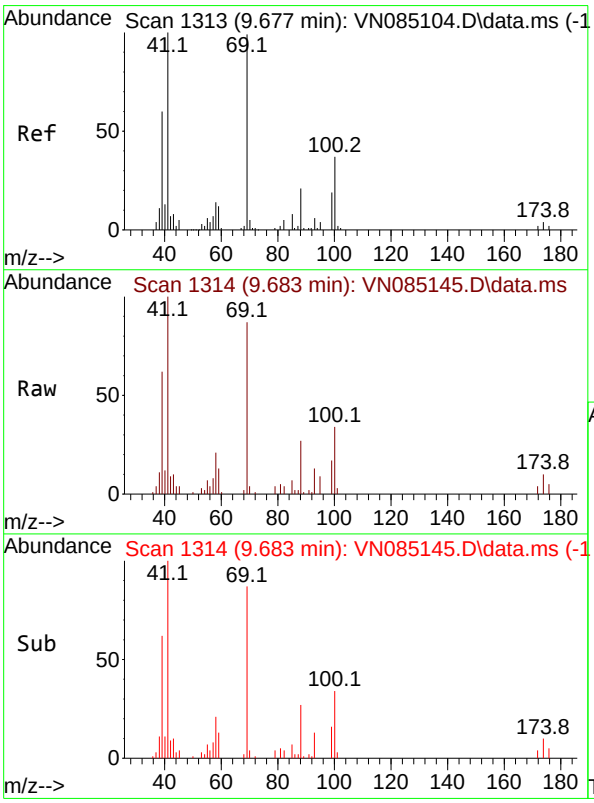
#47
Bromodichloromethane
Concen: 21.610 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 83 Resp: 51571

Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.5	75.7
127	8.5	7.1	10.7

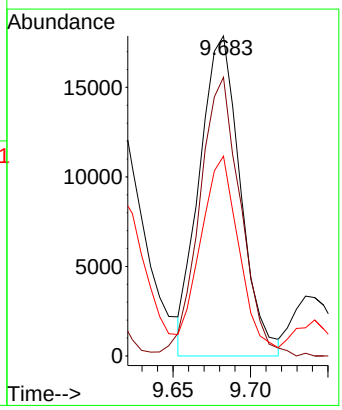


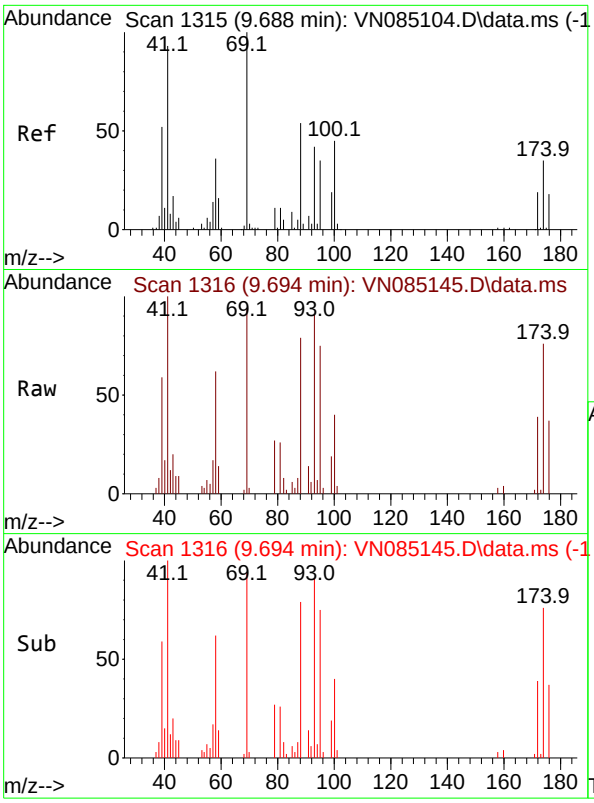


#48
Methyl methacrylate
Concen: 22.453 ug/l
RT: 9.683 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 41 Resp: 32820

Ion	Ratio	Lower	Upper
41	100		
69	87.5	73.2	109.8
39	59.4	46.2	69.4



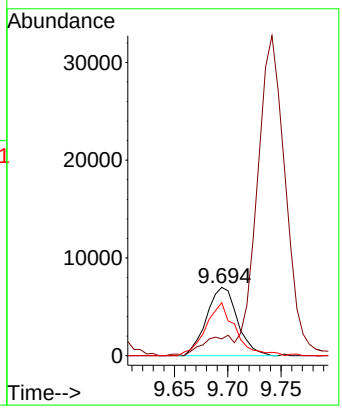


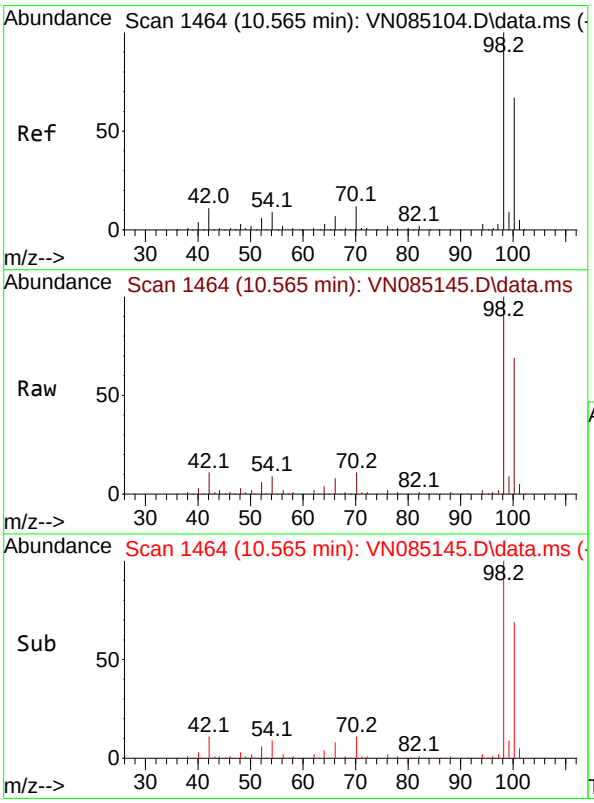
#49
1,4-Dioxane
Concen: 555.200 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 88 Resp: 14074

Ion	Ratio	Lower	Upper
88	100		
43	20.3	16.7	25.1
58	74.4	56.5	84.7

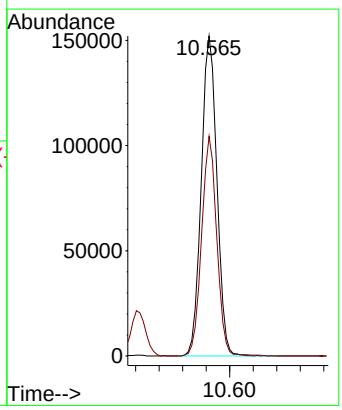


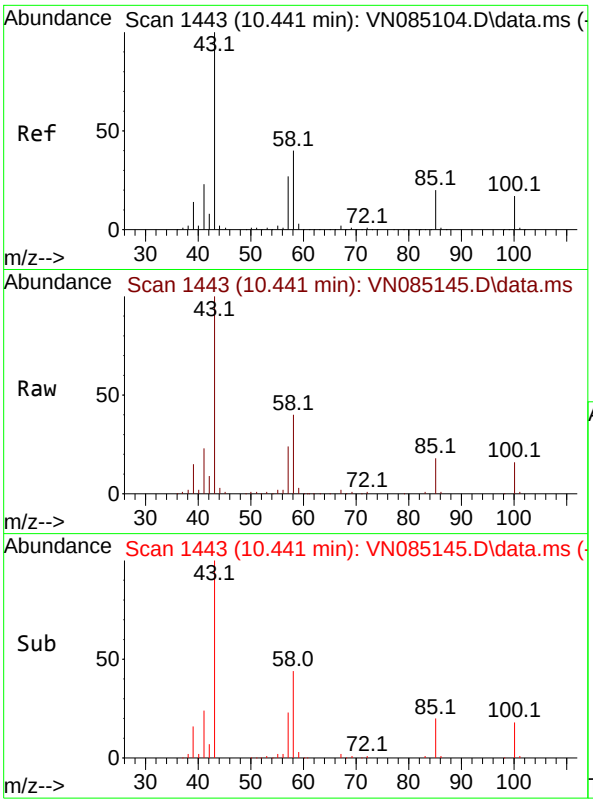


#50
Toluene-d8
Concen: 50.954 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 98 Resp: 280439

Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.5	78.7



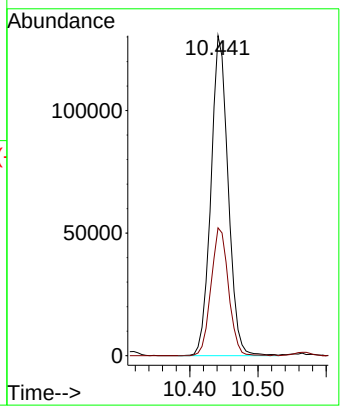


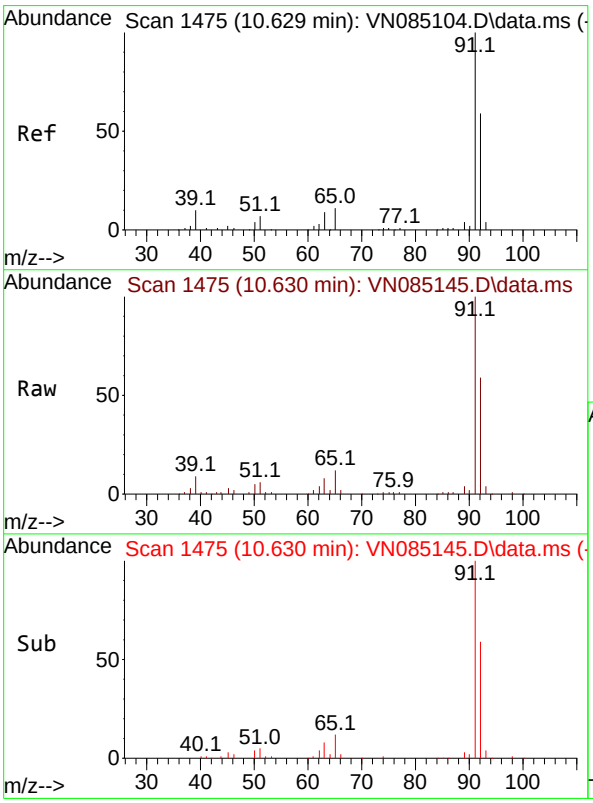
#51
4-Methyl-2-Pentanone
Concen: 127.955 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 43 Resp: 229577

Ion	Ratio	Lower	Upper
43	100		
58	40.4	32.1	48.1

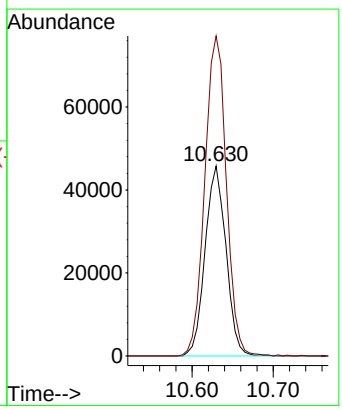


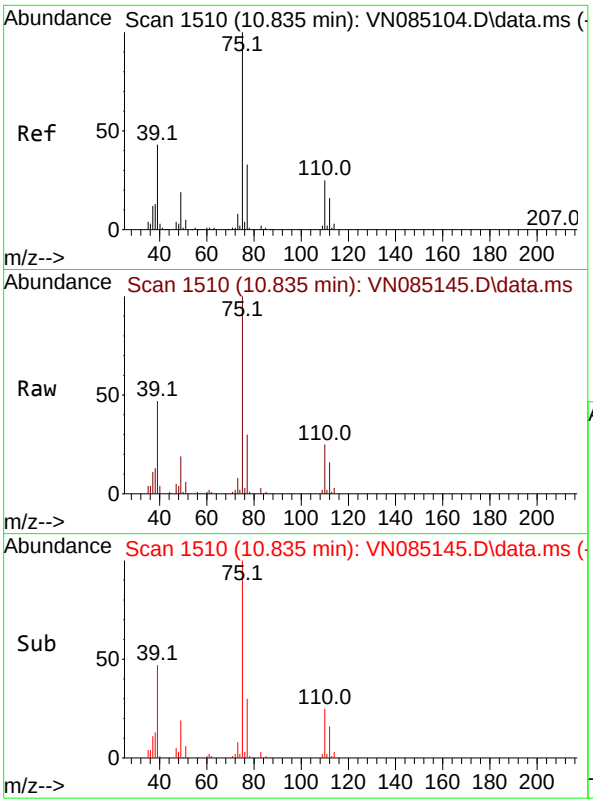


#52
Toluene
Concen: 21.014 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 92 Resp: 81847

Ion	Ratio	Lower	Upper
92	100		
91	173.5	136.7	205.1



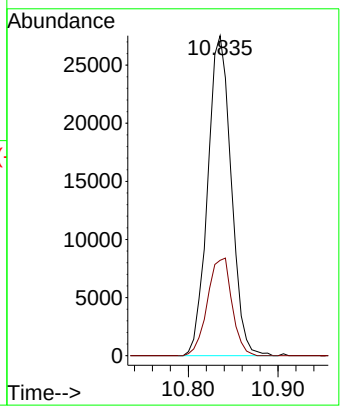


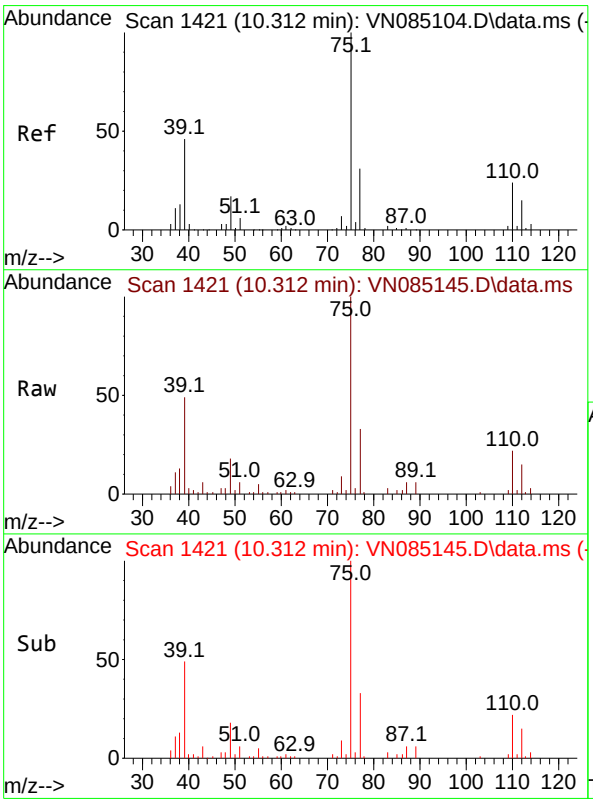
#53
t-1,3-Dichloropropene
Concen: 20.921 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 75 Resp: 50056

Ion	Ratio	Lower	Upper
75	100		
77	29.8	25.0	37.4

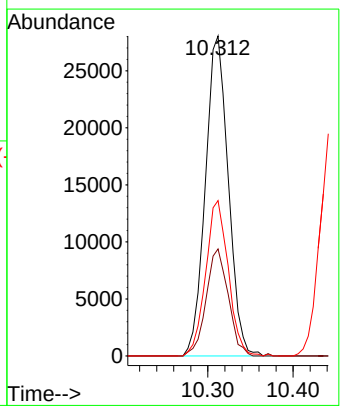


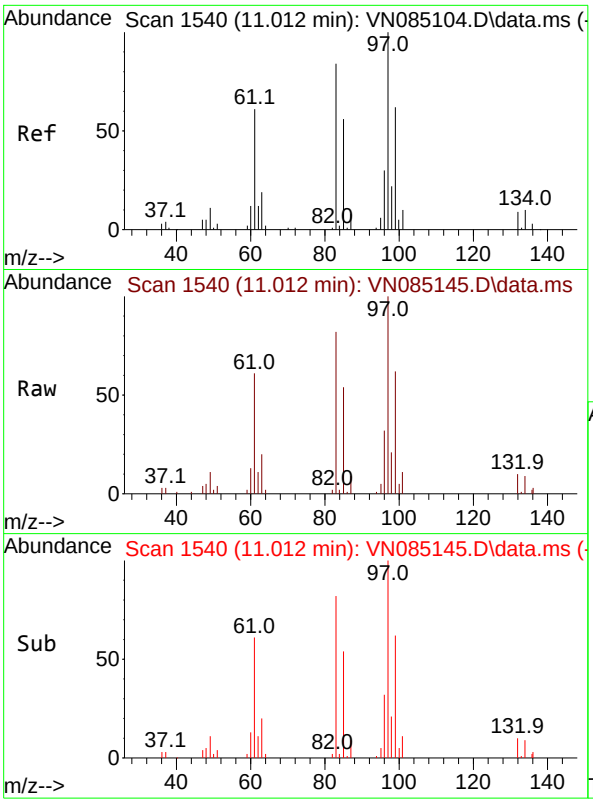


#54
cis-1,3-Dichloropropene
Concen: 20.678 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 75 Resp: 52486

Ion	Ratio	Lower	Upper
75	100		
77	33.5	25.0	37.4
39	48.6	37.6	56.4



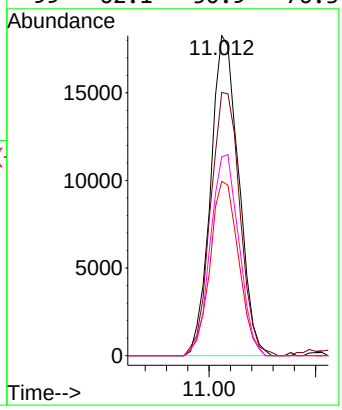


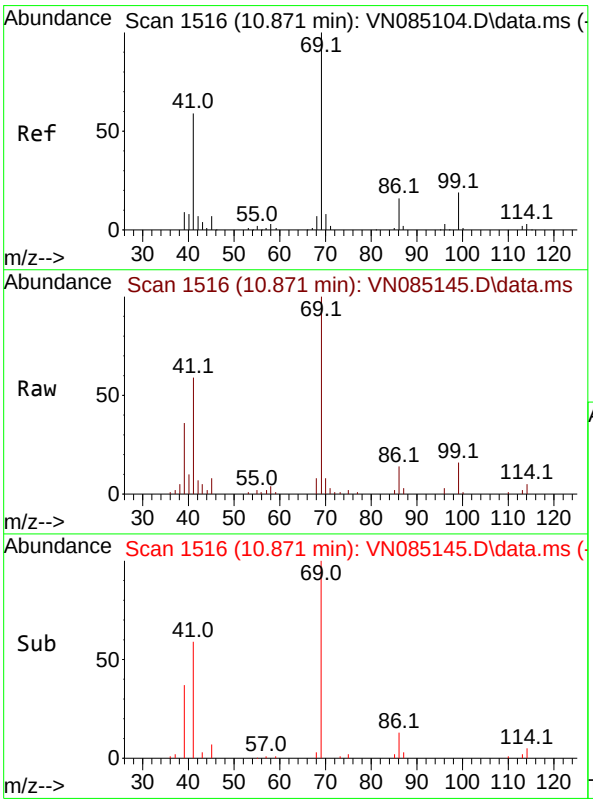
#55
1,1,2-Trichloroethane
Concen: 22.978 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 97 Resp: 33335

Ion	Ratio	Lower	Upper
97	100		
83	82.3	67.4	101.2
85	54.5	43.1	64.7
99	62.1	50.9	76.3

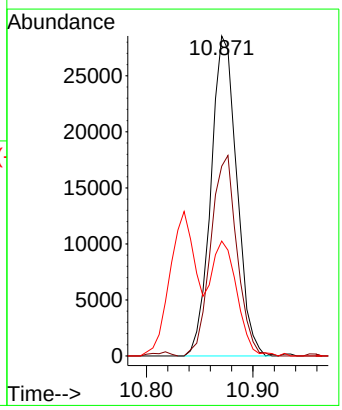


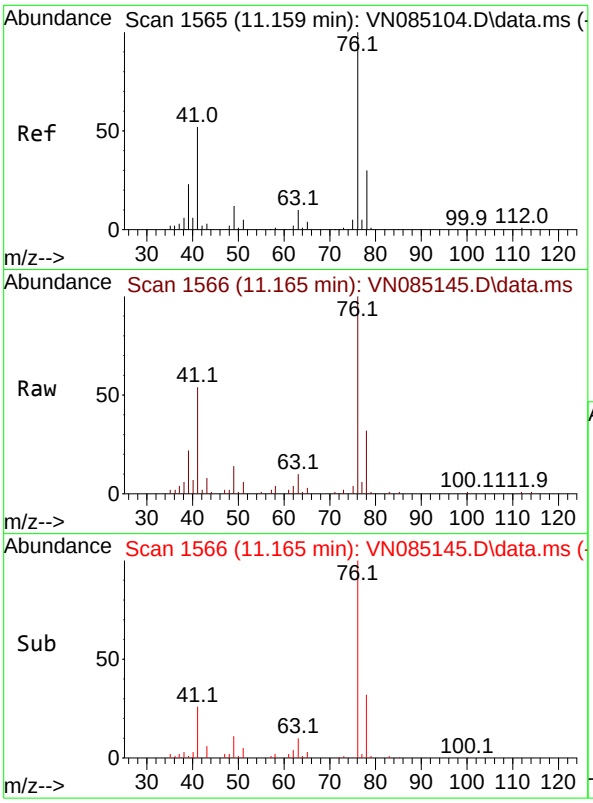


#56
Ethyl methacrylate
Concen: 22.755 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 69 Resp: 48238

Ion	Ratio	Lower	Upper
69	100		
41	63.4	50.0	75.0
39	36.2	27.0	40.6



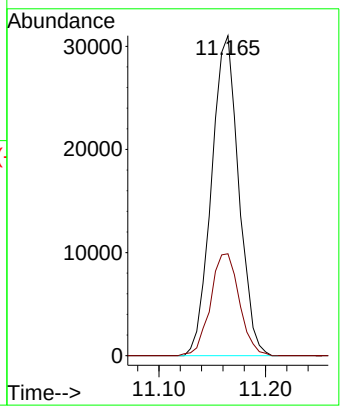


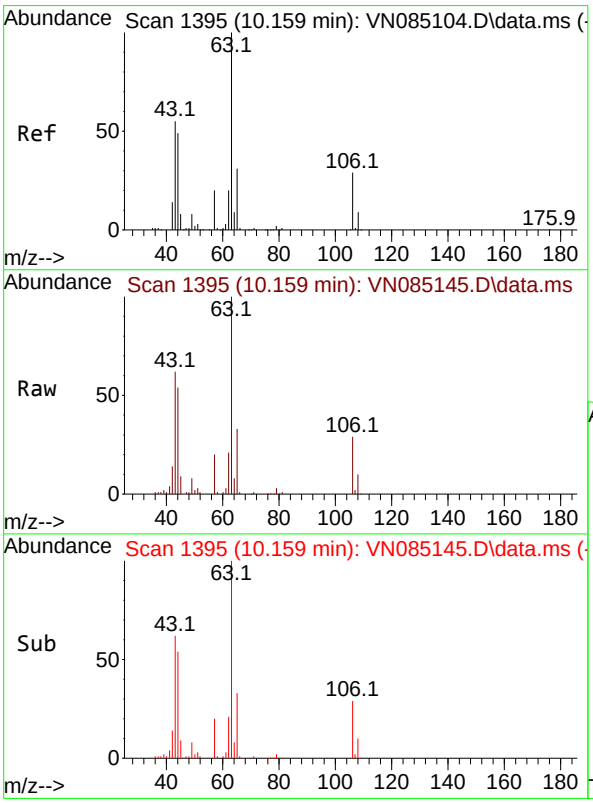
#57
1,3-Dichloropropane
Concen: 21.568 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 76 Resp: 55071

Ion	Ratio	Lower	Upper
76	100		
78	33.7	26.1	39.1

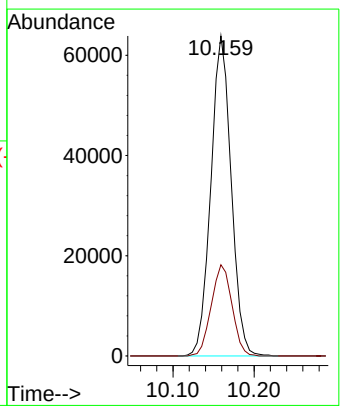


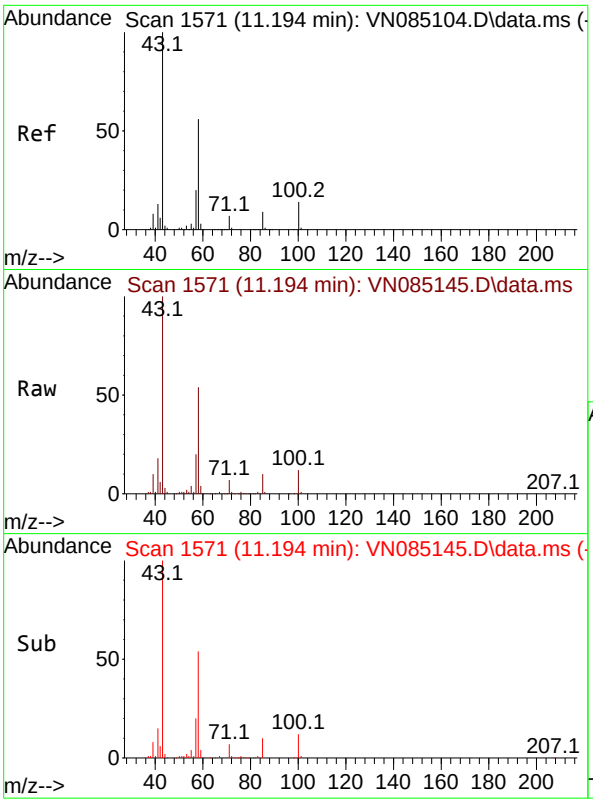


#58
2-Chloroethyl Vinyl ether
Concen: 107.042 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 63 Resp: 111311

Ion	Ratio	Lower	Upper
63	100		
106	28.9	23.0	34.6



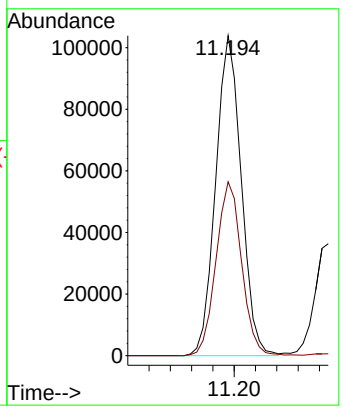


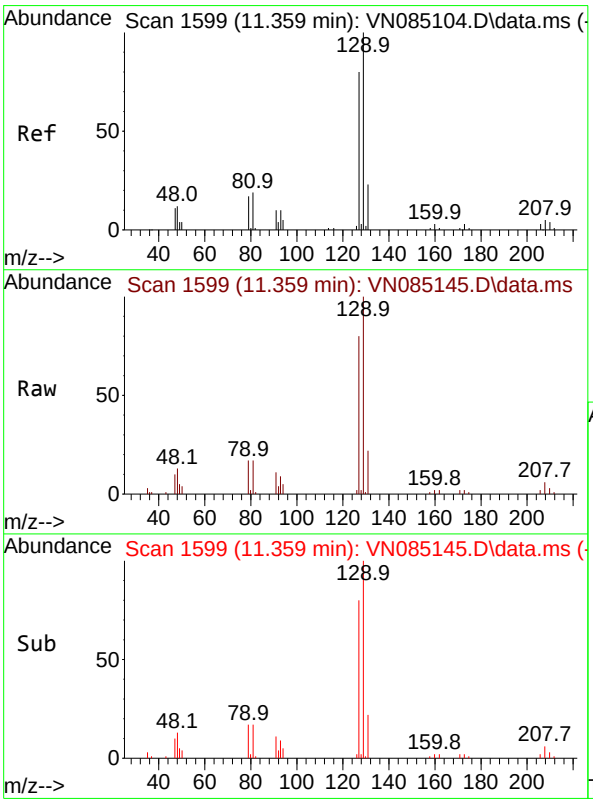
#59
2-Hexanone
Concen: 128.613 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 43 Resp: 172584

Ion	Ratio	Lower	Upper
43	100		
58	54.5	28.3	85.0

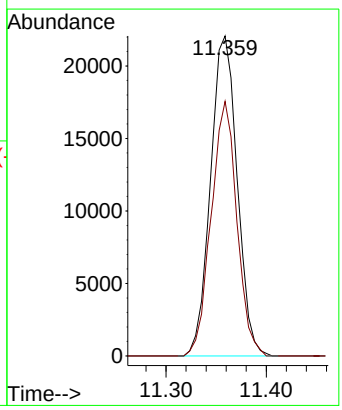


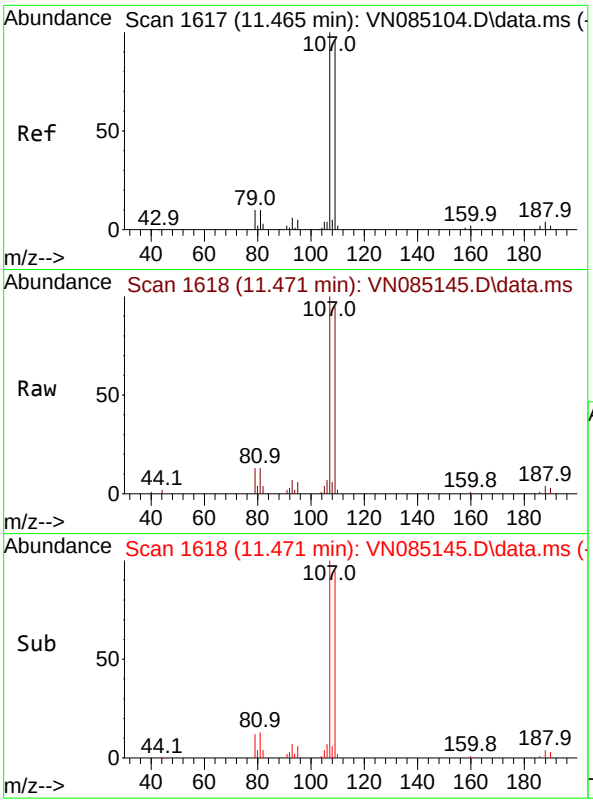


#60
Dibromochloromethane
Concen: 22.997 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:129 Resp: 40774

Ion	Ratio	Lower	Upper
129	100		
127	76.7	39.2	117.6



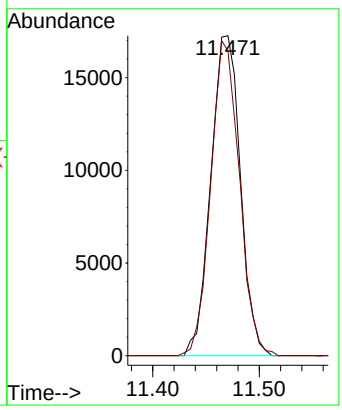


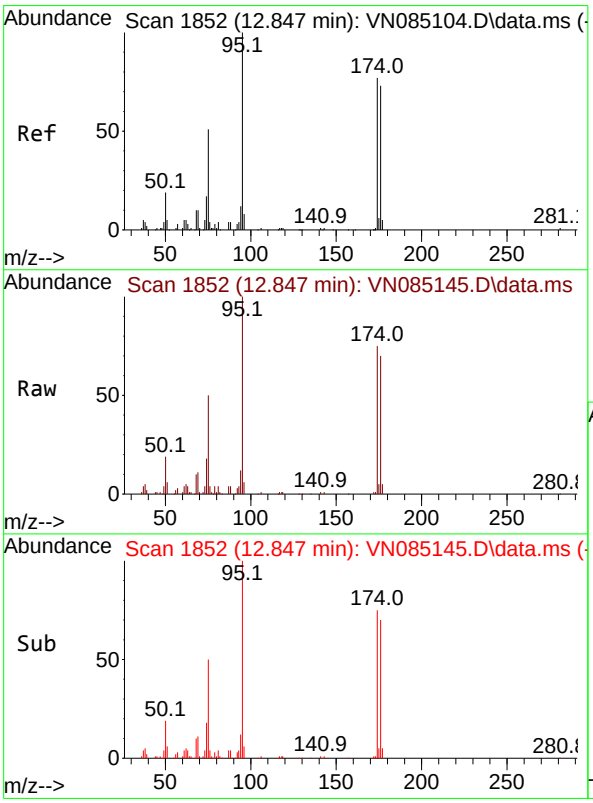
#61
1,2-Dibromoethane
Concen: 22.146 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion:107 Resp: 33251

Ion	Ratio	Lower	Upper
107	100		
109	95.3	76.1	114.1

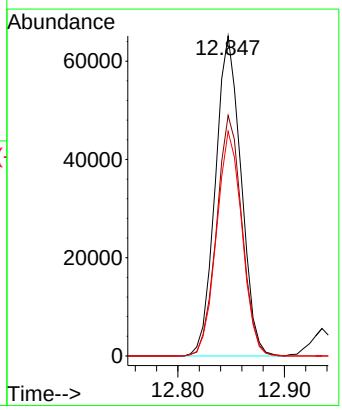


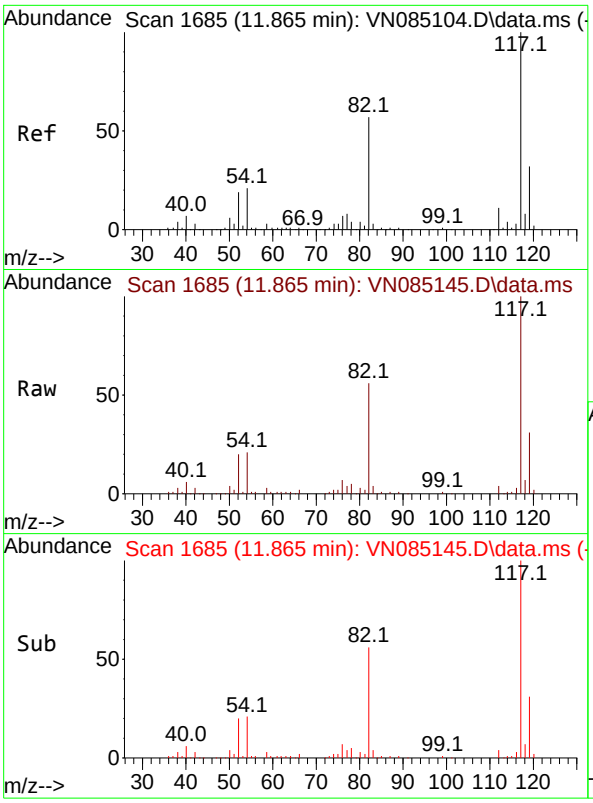


#62
4-Bromofluorobenzene
Concen: 52.915 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 95 Resp: 108911

Ion	Ratio	Lower	Upper
95	100		
174	74.4	0.0	146.6
176	69.8	0.0	141.8



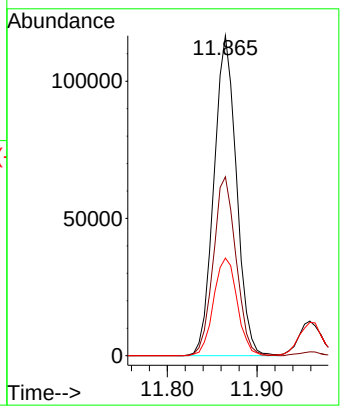


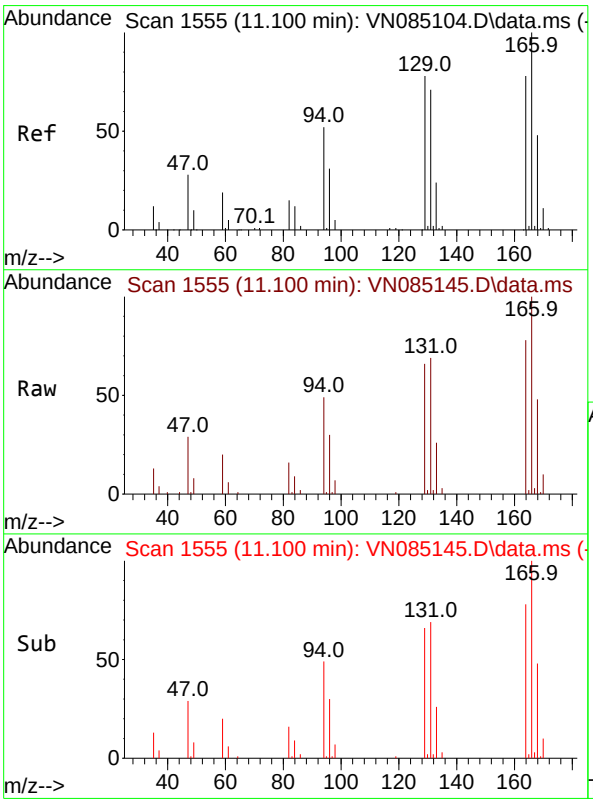
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion:117 Resp: 203151

Ion	Ratio	Lower	Upper
117	100		
82	55.9	46.0	69.0
119	30.5	25.6	38.4

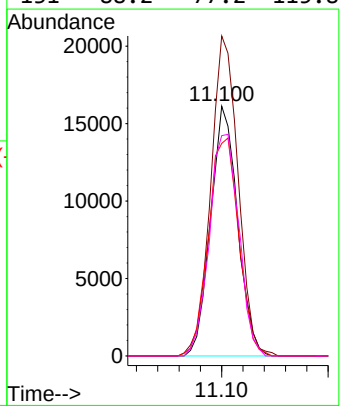


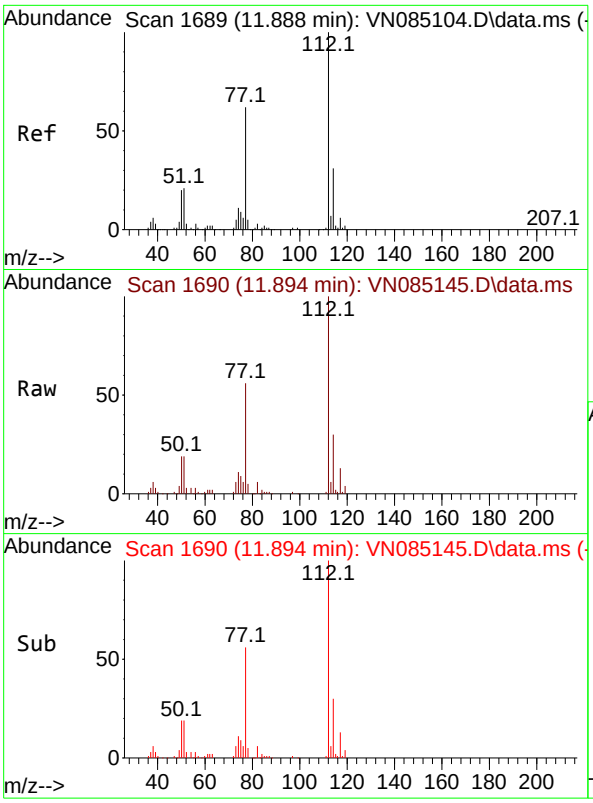


#64
Tetrachloroethene
Concen: 20.683 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:164 Resp: 28313

Ion	Ratio	Lower	Upper
164	100		
166	128.1	100.6	151.0
129	85.1	77.7	116.5
131	88.2	77.2	115.8



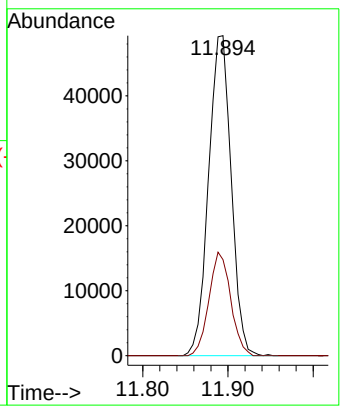


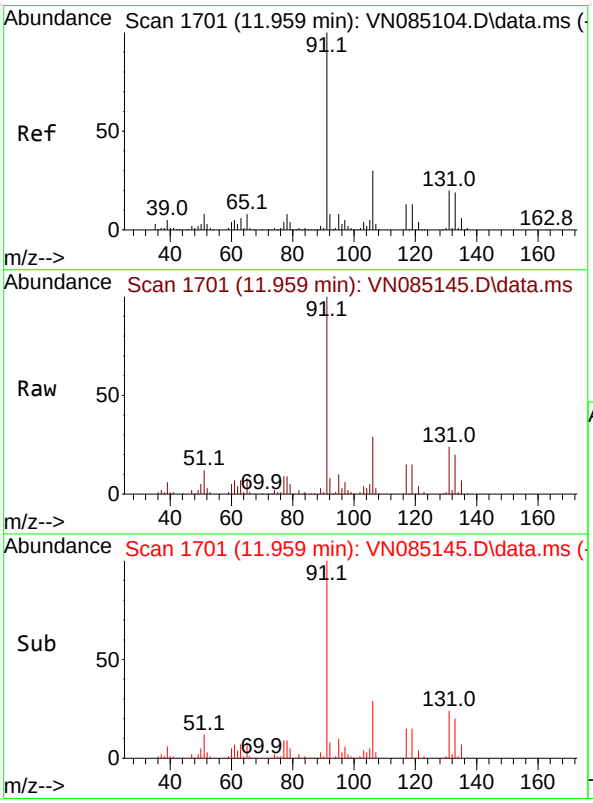
#65
Chlorobenzene
Concen: 19.714 ug/l
RT: 11.894 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion:112 Resp: 90827

Ion	Ratio	Lower	Upper
112	100		
114	30.0	25.8	38.6

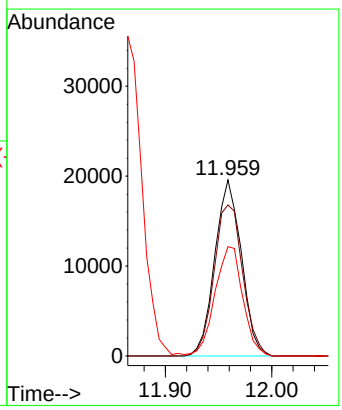


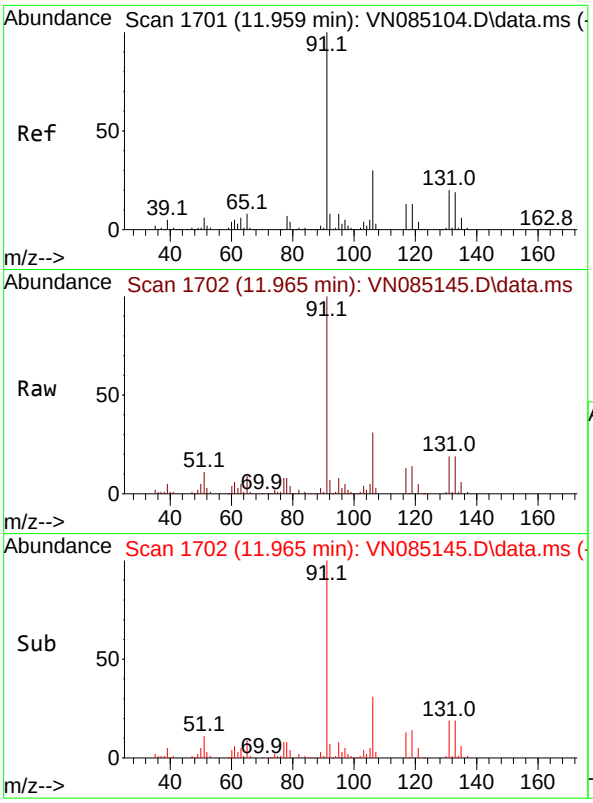


#66
1,1,1,2-Tetrachloroethane
Concen: 20.920 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:131 Resp: 33935

Ion	Ratio	Lower	Upper
131	100		
133	92.6	47.8	143.4
119	65.0	32.1	96.3



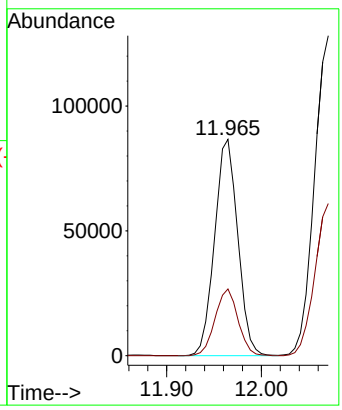


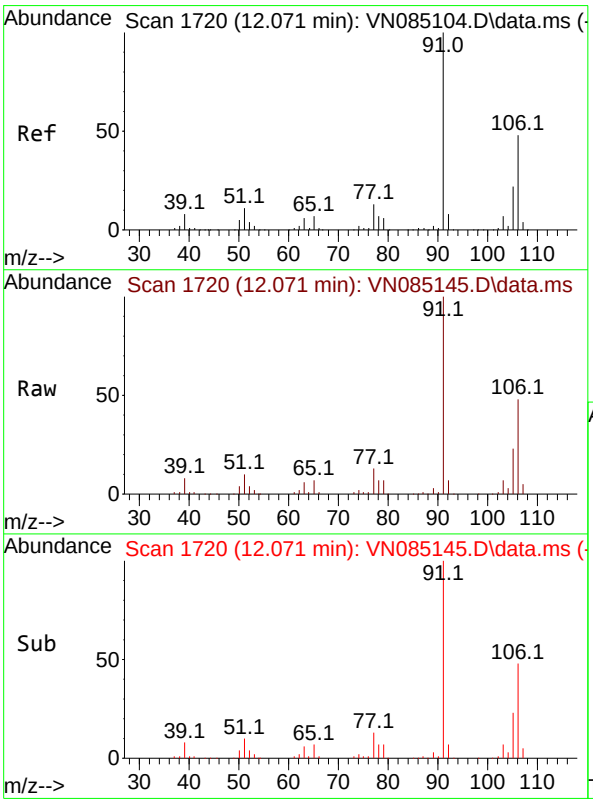
#67
Ethyl Benzene
Concen: 19.736 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 91 Resp: 147522

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.7	37.1

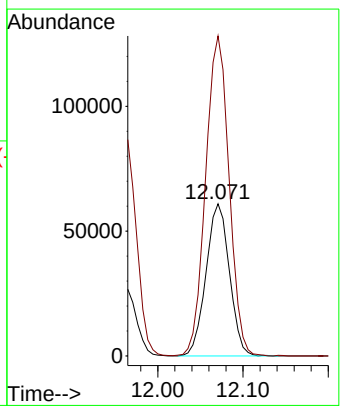


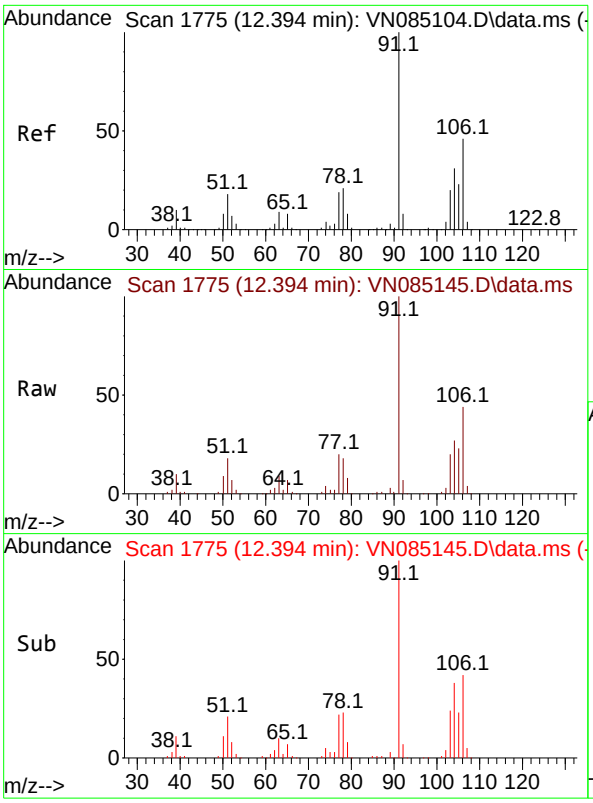


#68
m/p-Xylenes
Concen: 40.857 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:106 Resp: 116268

Ion	Ratio	Lower	Upper
106	100		
91	210.8	168.0	252.0



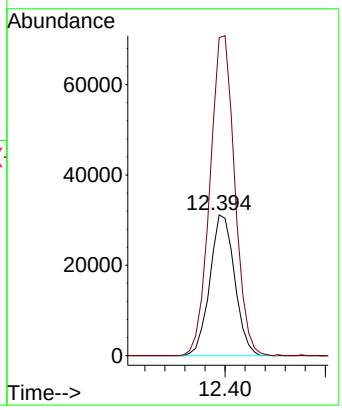


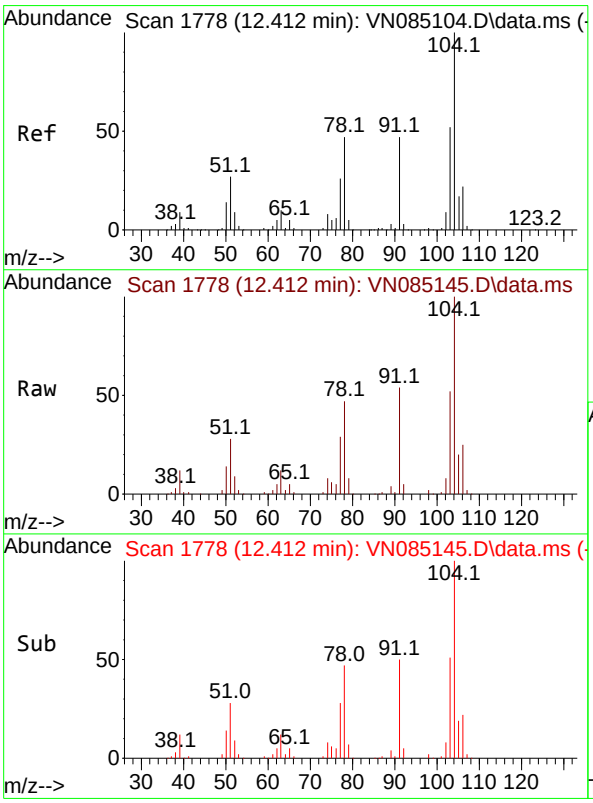
#69
o-Xylene
Concen: 19.780 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion:106 Resp: 53545

Ion	Ratio	Lower	Upper
106	100		
91	227.2	110.7	331.9

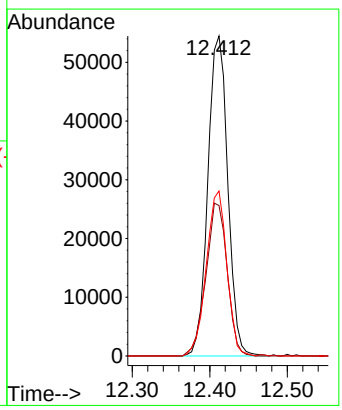


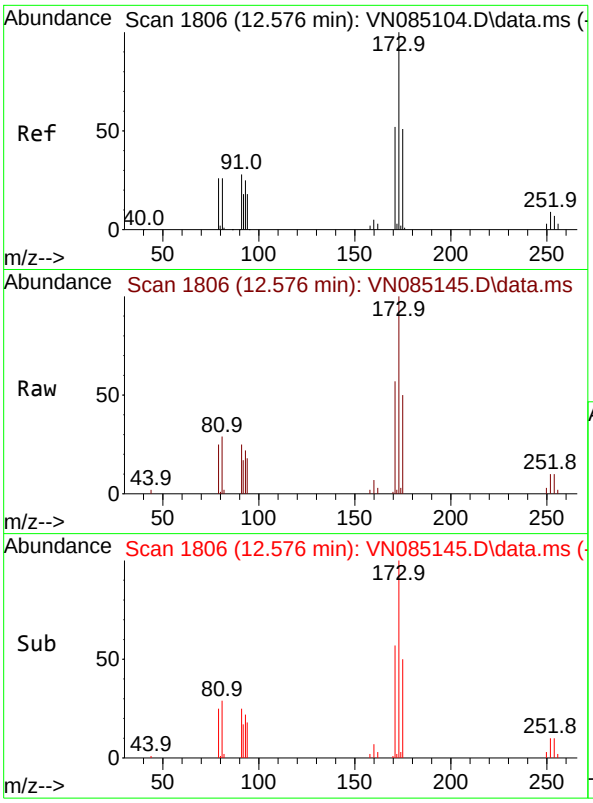


#70
Styrene
Concen: 21.590 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:104 Resp: 97192

Ion	Ratio	Lower	Upper
104	100		
78	51.0	42.3	63.5
103	53.2	44.2	66.2



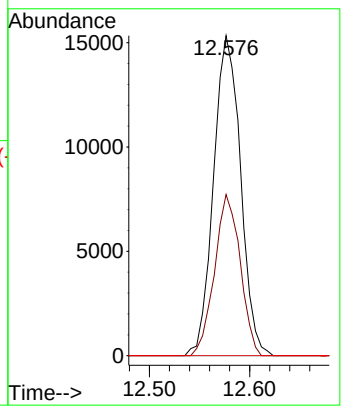


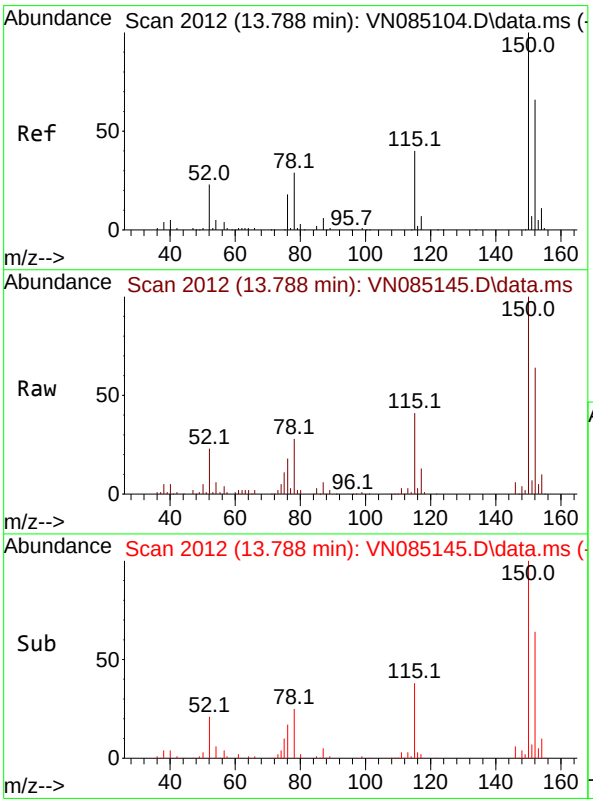
#71
Bromoform
Concen: 23.810 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion:173 Resp: 28670

Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.8	71.2
254	0.0	0.0	0.0

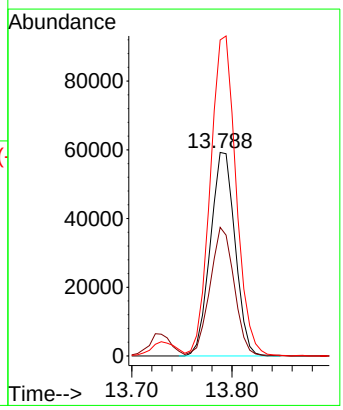


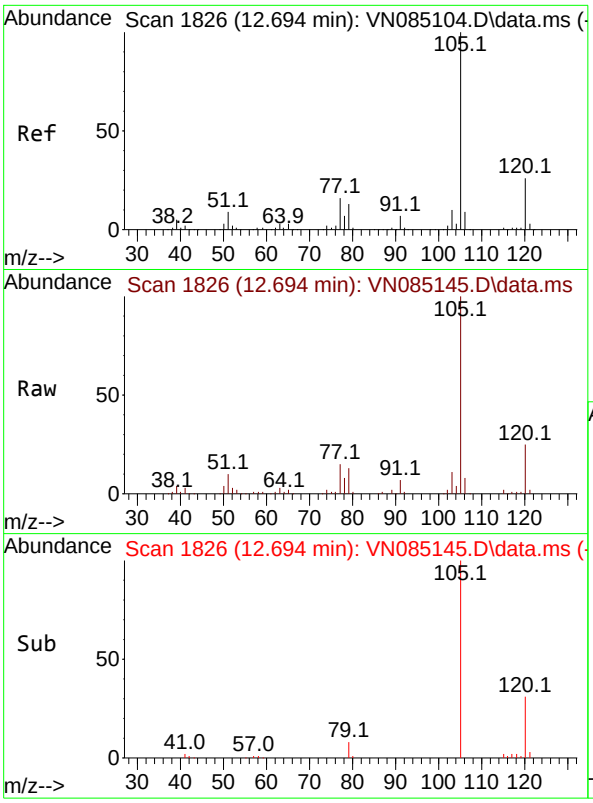


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:152 Resp: 101401

Ion	Ratio	Lower	Upper
152	100		
115	61.8	31.7	95.1
150	163.8	0.0	351.4



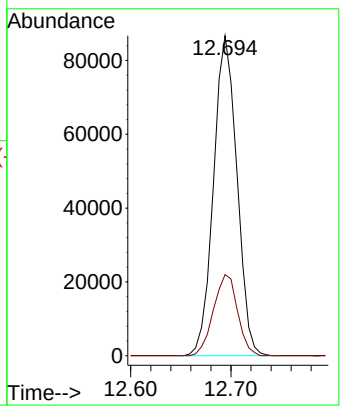


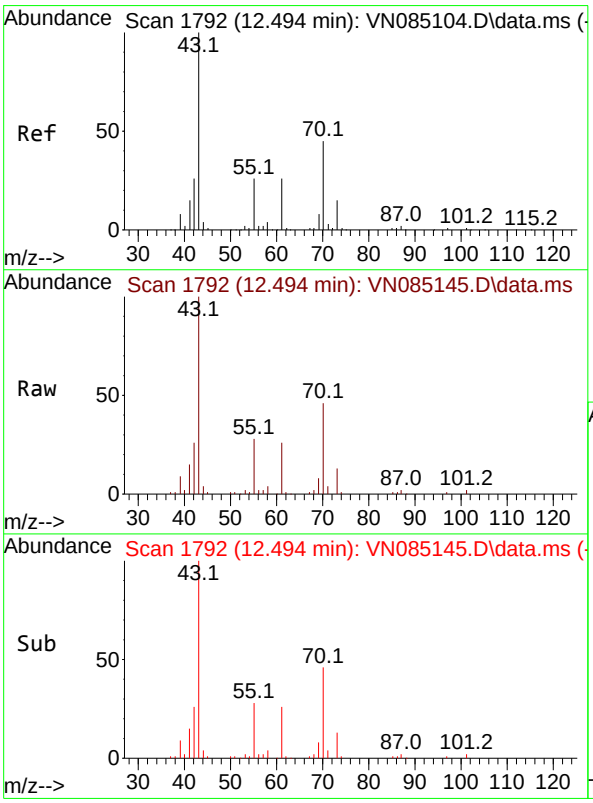
#73
Isopropylbenzene
Concen: 19.586 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion:105 Resp: 140110

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.0	39.0

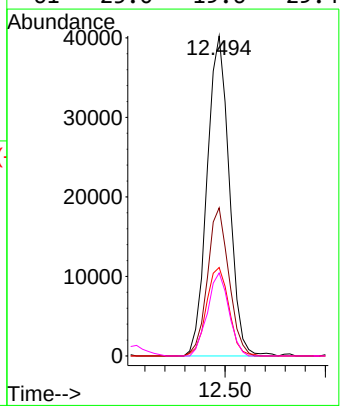


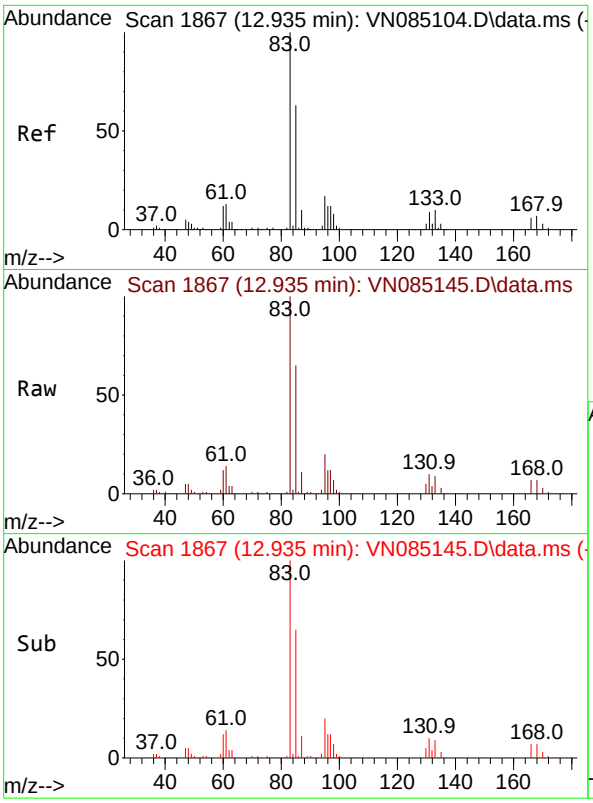


#74
N-amyl acetate
Concen: 20.951 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 43 Resp: 61760

Ion	Ratio	Lower	Upper
43	100		
70	44.8	34.6	51.8
55	28.1	20.5	30.7
61	25.0	19.6	29.4



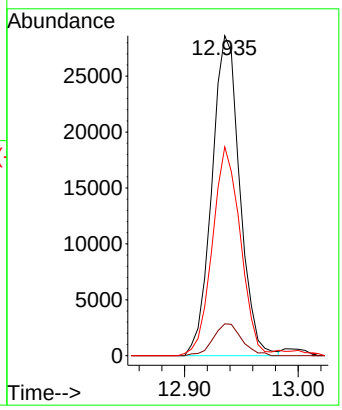


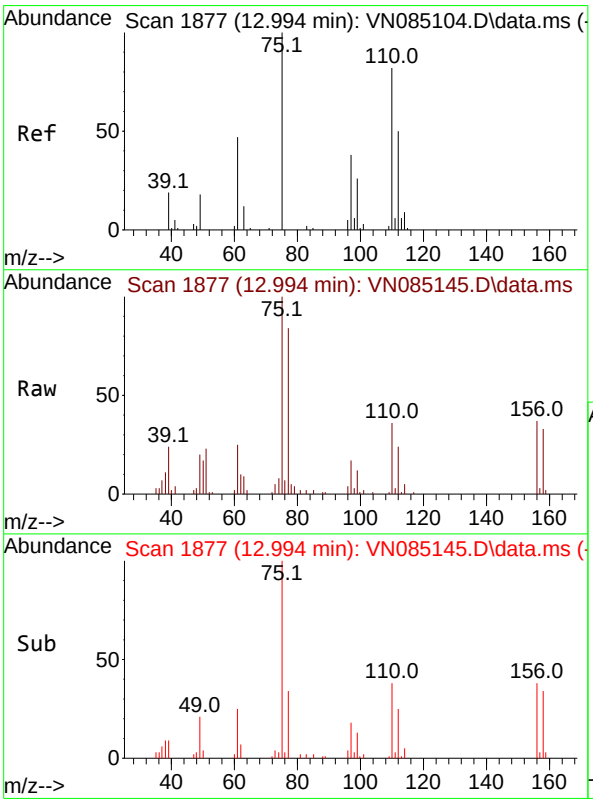
#75
1,1,2,2-Tetrachloroethane
Concen: 19.980 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 83 Resp: 48806

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.1	15.4
85	65.7	32.1	96.3

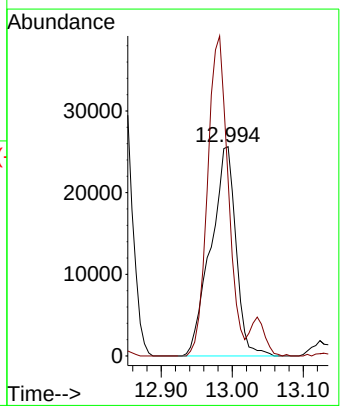


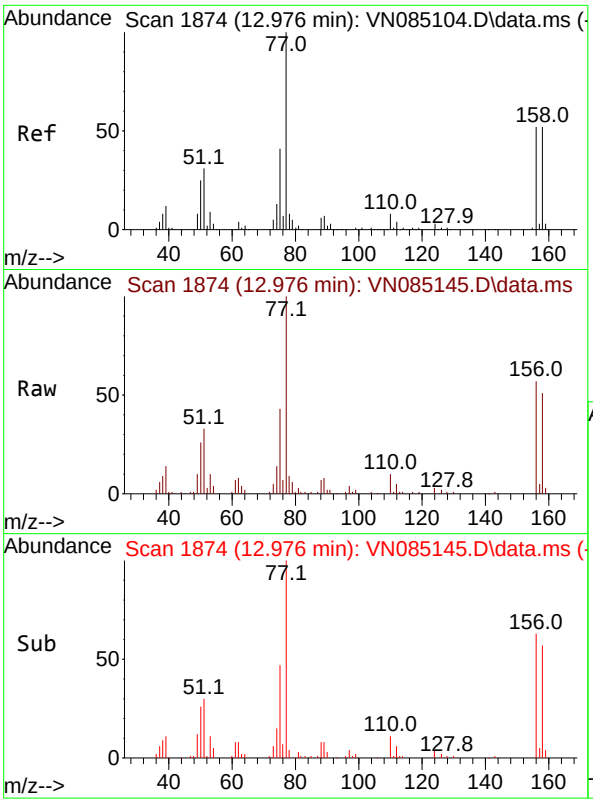


#76
1,2,3-Trichloropropane
Concen: 34.180 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 75 Resp: 63041

Ion	Ratio	Lower	Upper
75	100		
77	124.8	109.1	327.4



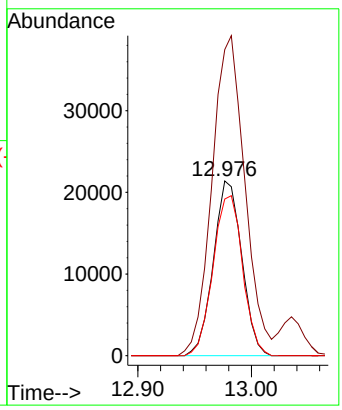


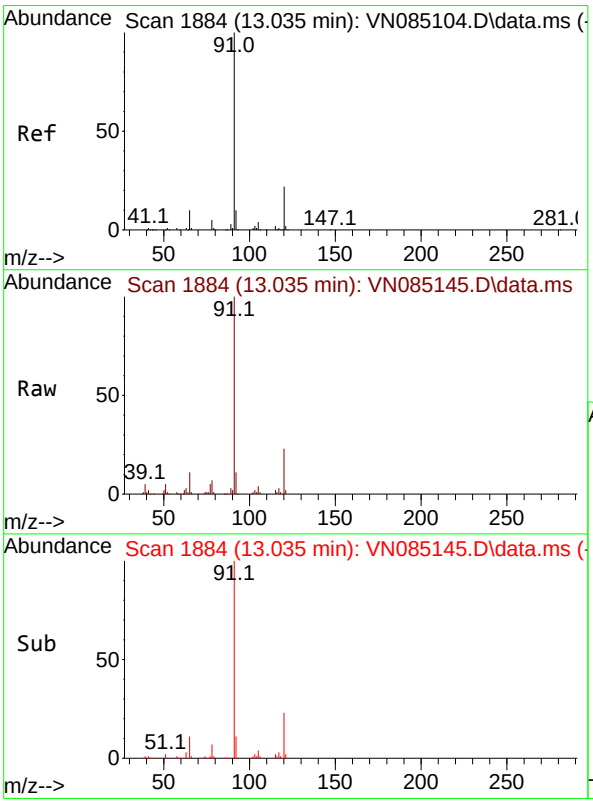
#77
Bromobenzene
Concen: 19.352 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion:156 Resp: 37253

Ion	Ratio	Lower	Upper
156	100		
77	211.2	107.2	321.6
158	95.3	48.5	145.6

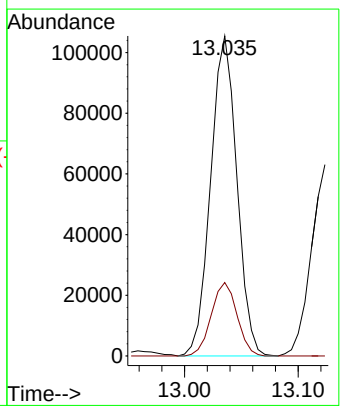


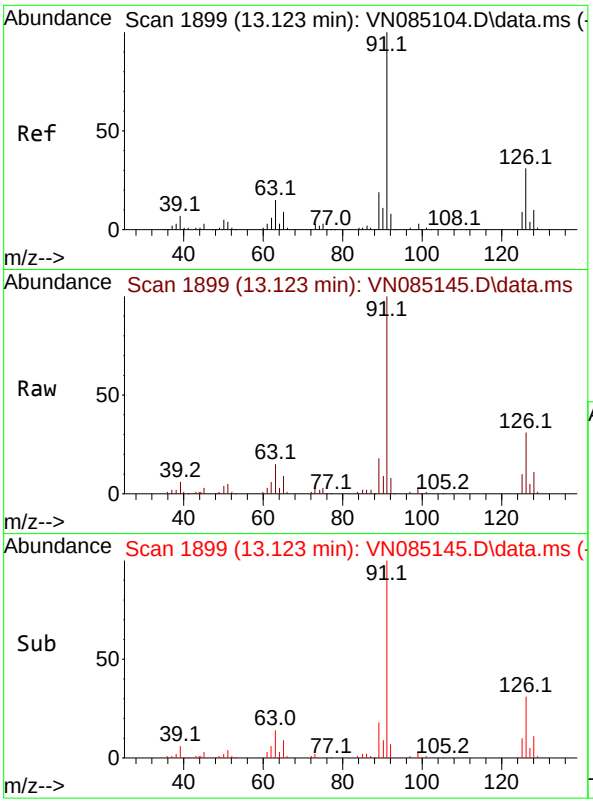


#78
n-propylbenzene
Concen: 20.509 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 91 Resp: 169221

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.9



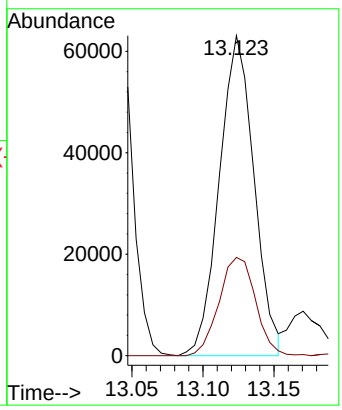


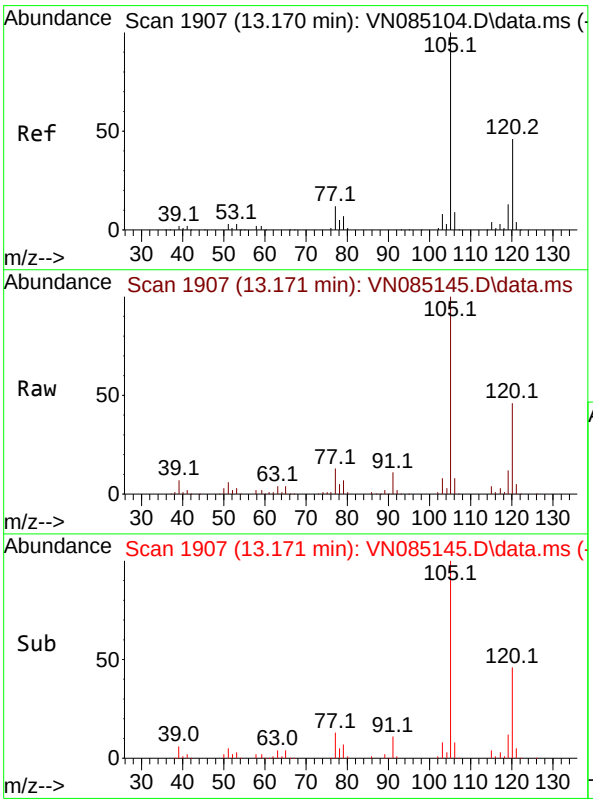
#79
2-Chlorotoluene
Concen: 19.479 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 91 Resp: 107288

Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.1	48.3

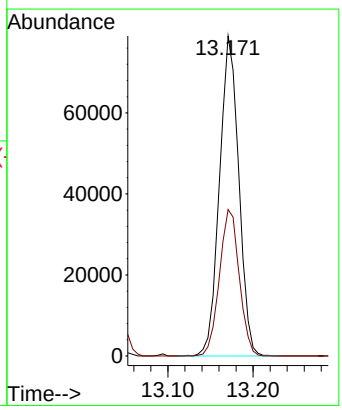


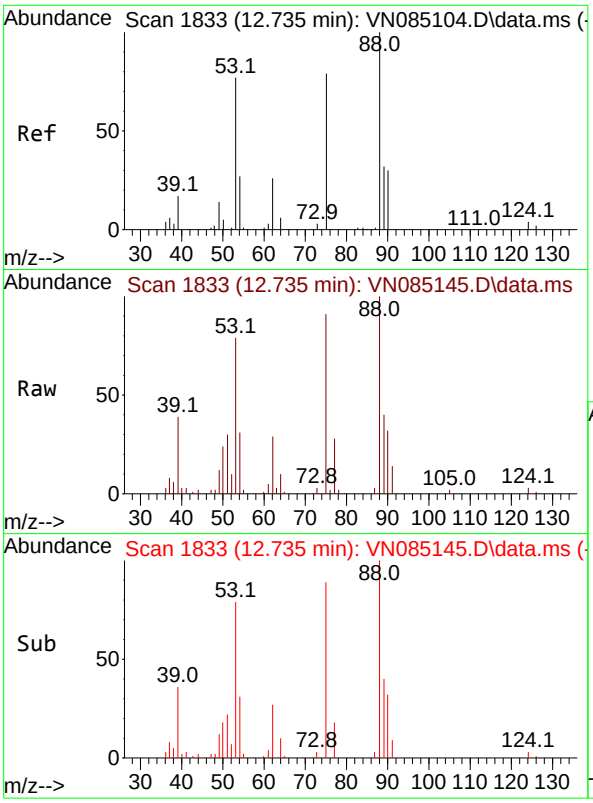


#80
1,3,5-Trimethylbenzene
Concen: 20.728 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:105 Resp: 124423

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.6	71.0



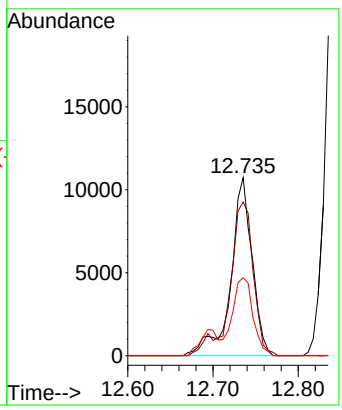


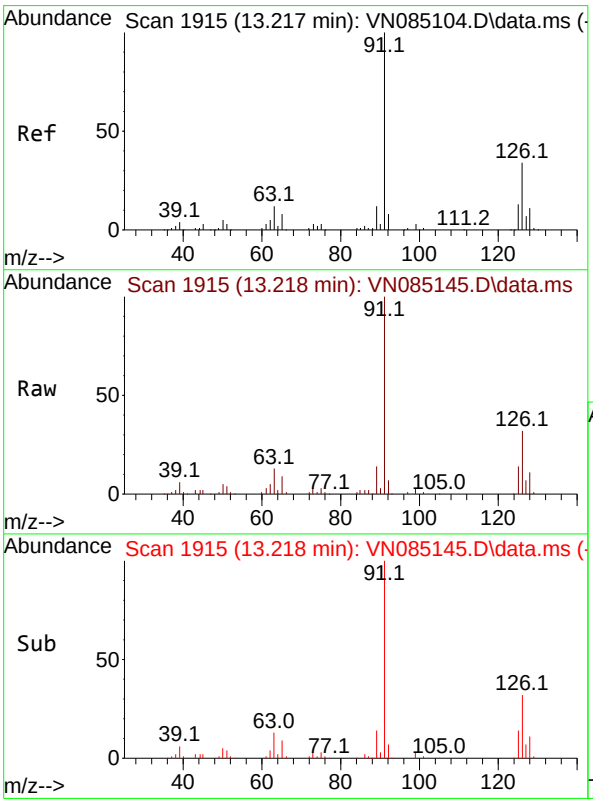
#81
trans-1,4-Dichloro-2-butene
Concen: 22.376 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 75 Resp: 18695

Ion	Ratio	Lower	Upper
75	100		
53	87.6	78.2	117.4
89	43.2	37.9	56.9

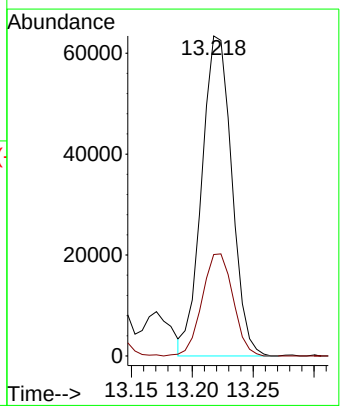


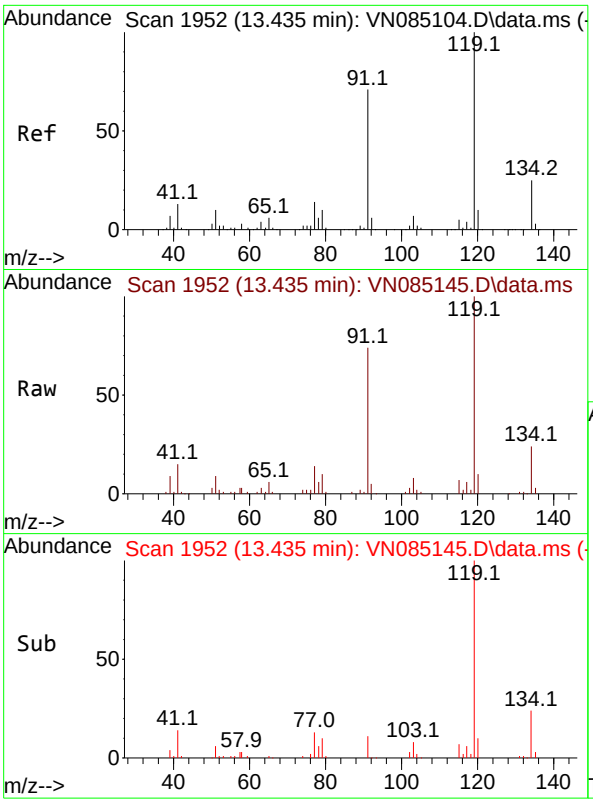


#82
4-Chlorotoluene
Concen: 18.977 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 91 Resp: 108808

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.1	48.3



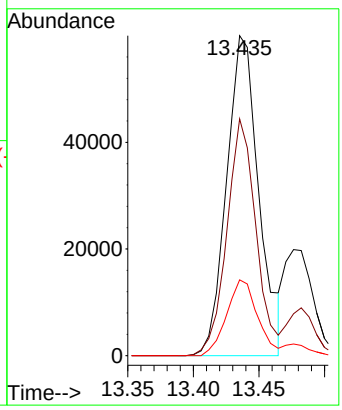


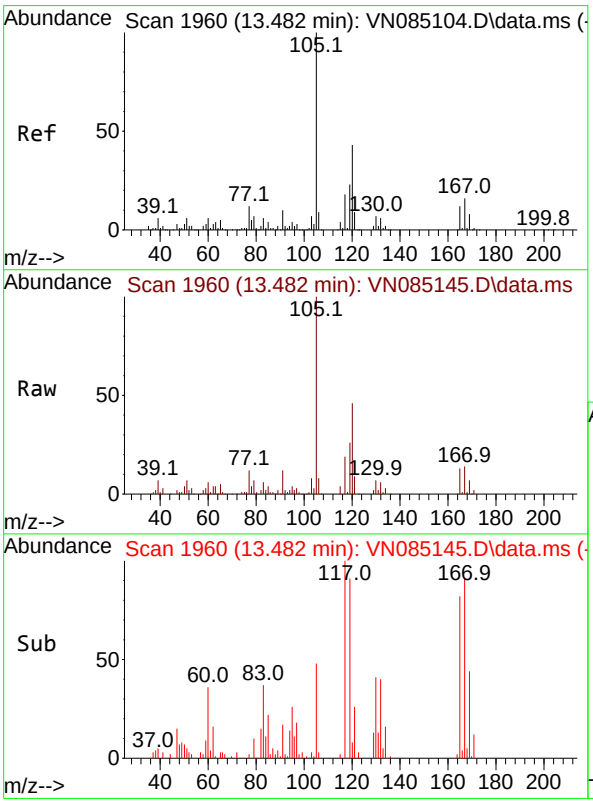
#83
tert-Butylbenzene
Concen: 19.900 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion:119 Resp: 102778

Ion	Ratio	Lower	Upper
119	100		
91	66.8	35.1	105.5
134	22.7	12.1	36.3

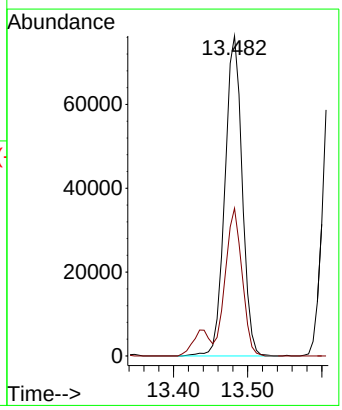


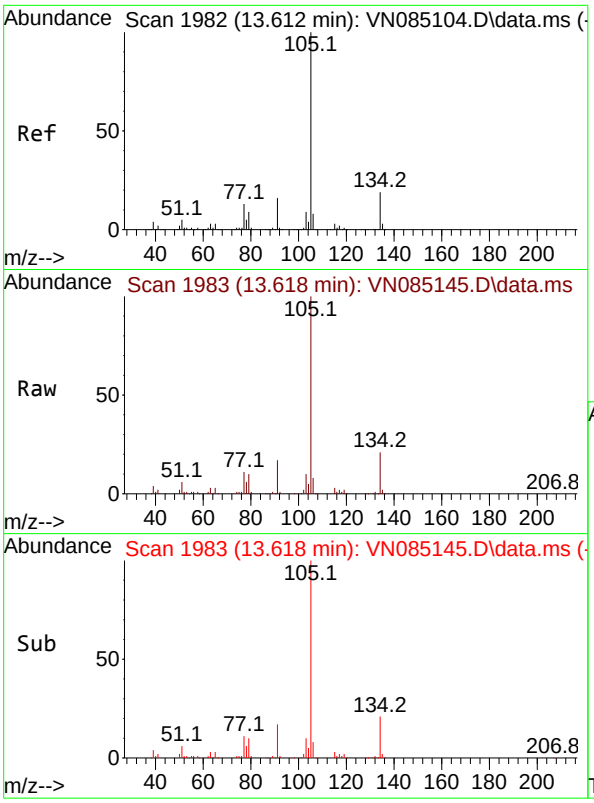


#84
1,2,4-Trimethylbenzene
Concen: 19.964 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:105 Resp: 123353

Ion	Ratio	Lower	Upper
105	100		
120	44.8	21.8	65.4



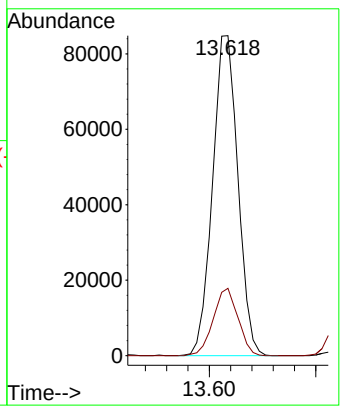


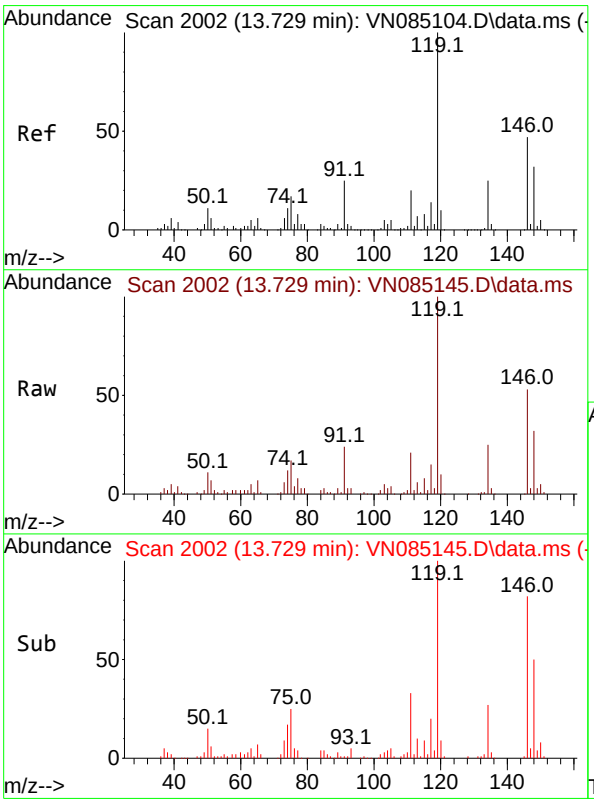
#85
sec-Butylbenzene
Concen: 20.061 ug/l
RT: 13.618 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion:105 Resp: 139963

Ion	Ratio	Lower	Upper
105	100		
134	20.6	9.8	29.3

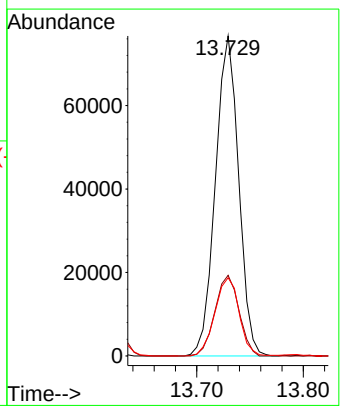


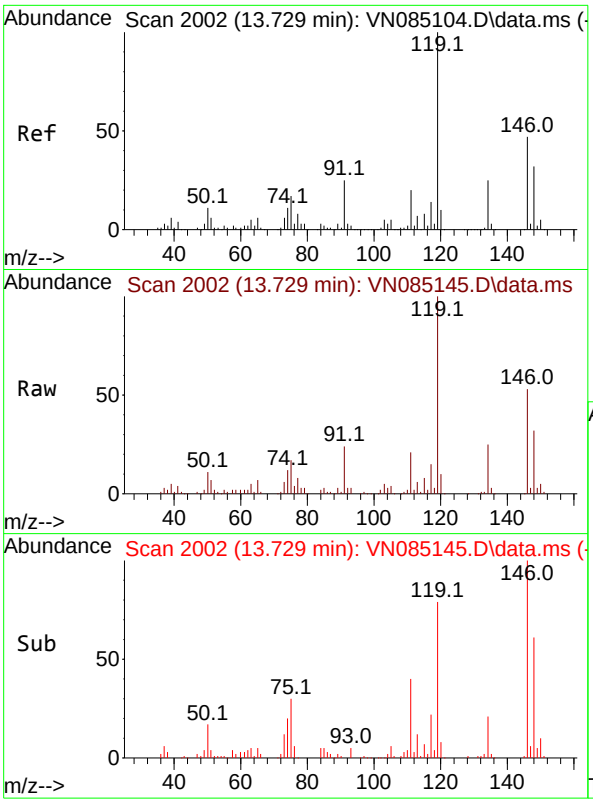


#86
p-Isopropyltoluene
Concen: 20.140 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:119 Resp: 115995

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.0	39.0
91	25.6	12.8	38.4



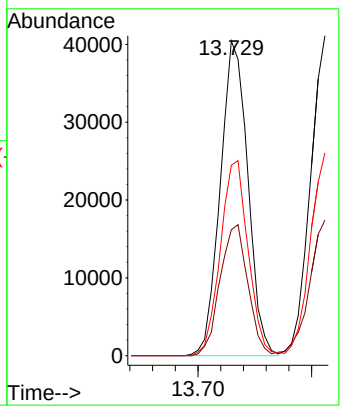


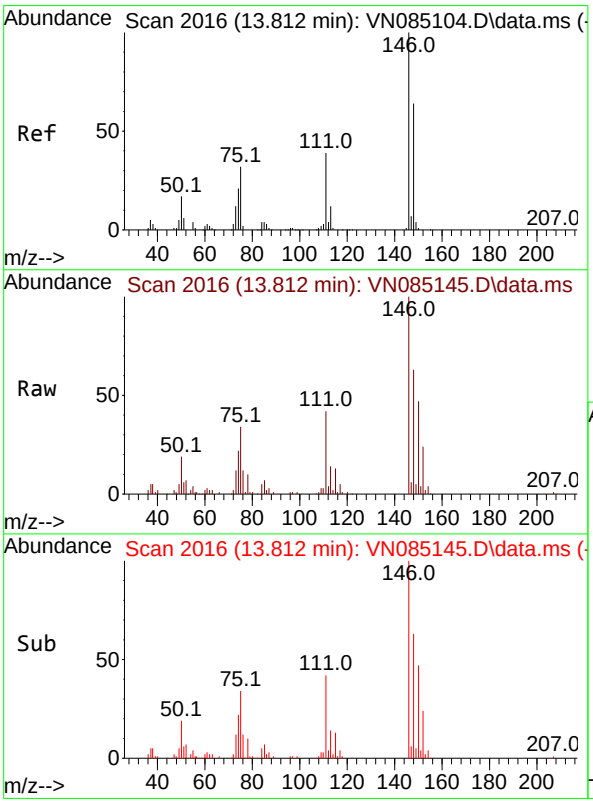
#87
1,3-Dichlorobenzene
Concen: 17.948 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion:146 Resp: 68149

Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.6	65.0
148	62.7	32.2	96.6

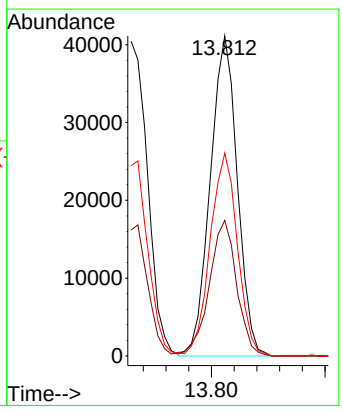


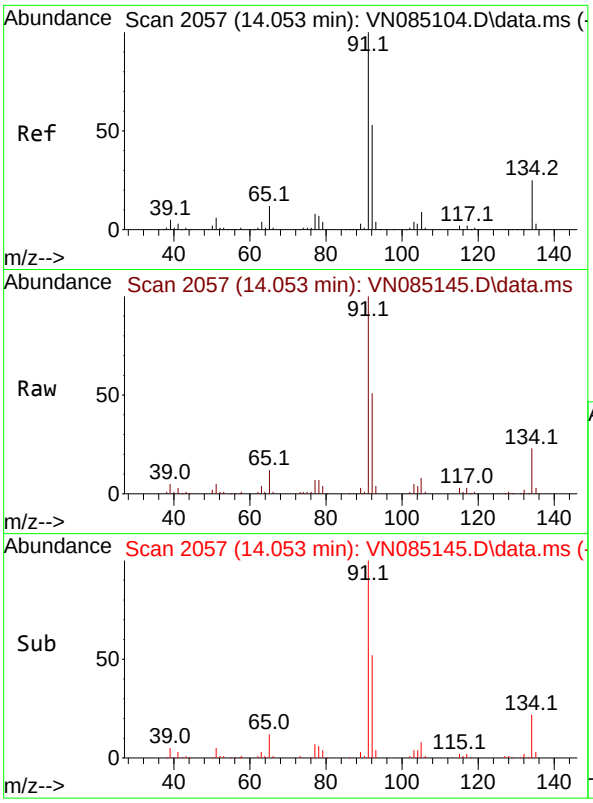


#88
1,4-Dichlorobenzene
Concen: 17.582 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:146 Resp: 68126

Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.9	62.8
148	63.6	31.3	93.9



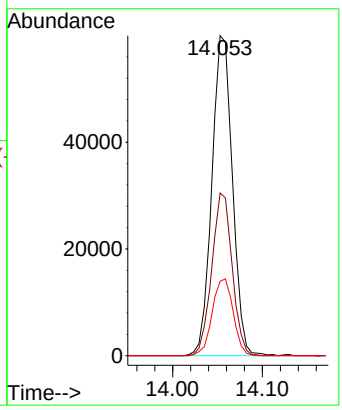


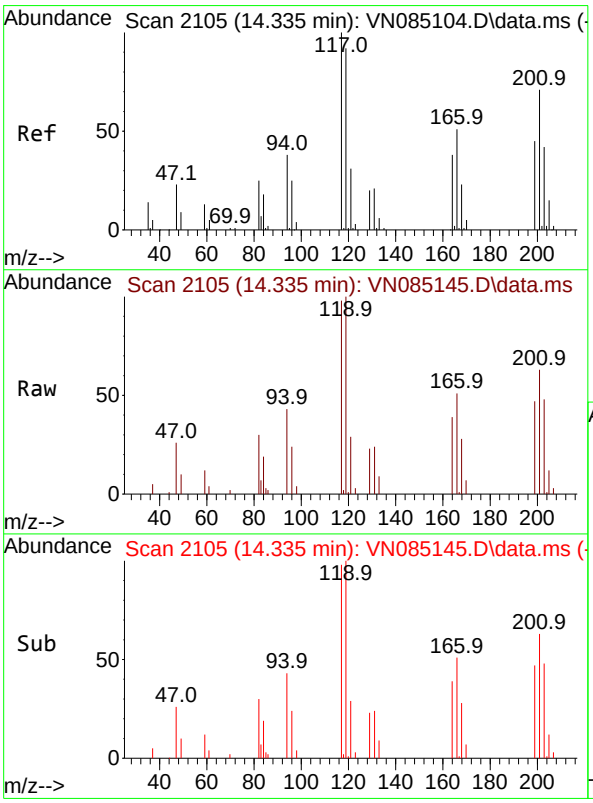
#89
n-Butylbenzene
Concen: 17.833 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 91 Resp: 95516

Ion	Ratio	Lower	Upper
91	100		
92	50.4	26.8	80.3
134	24.4	12.8	38.4

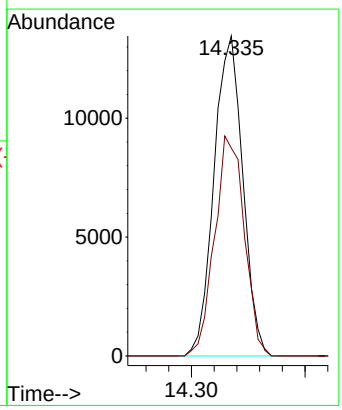


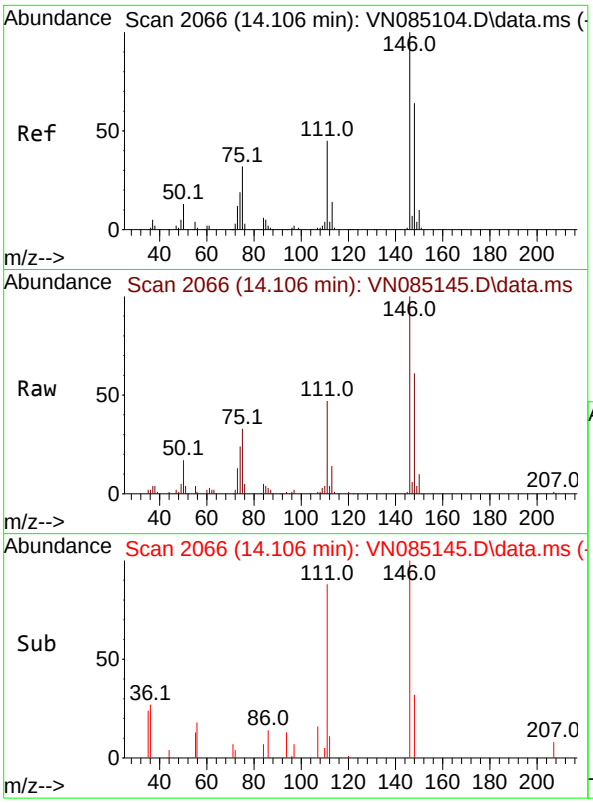


#90
Hexachloroethane
Concen: 18.846 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:117 Resp: 23660

Ion	Ratio	Lower	Upper
117	100		
201	70.8	35.2	105.6



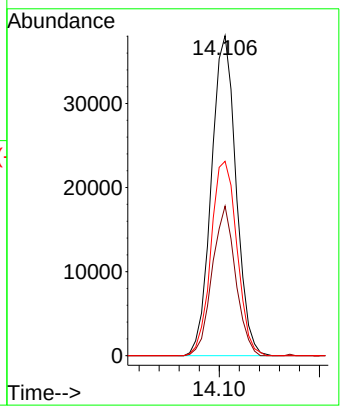


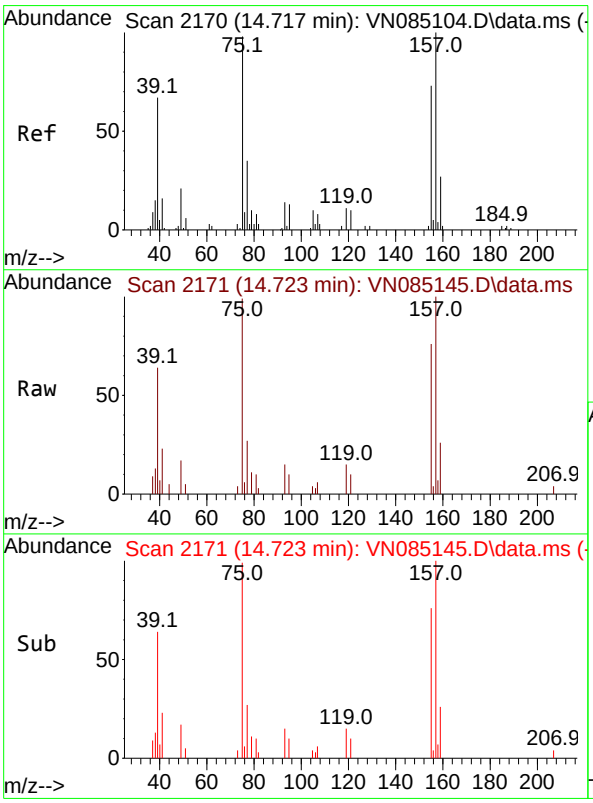
#91
1,2-Dichlorobenzene
Concen: 17.846 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion:146 Resp: 64932

Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.9	65.8
148	64.0	31.1	93.2

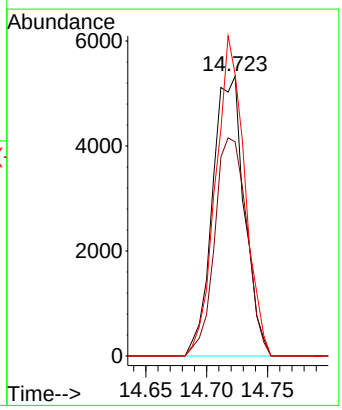


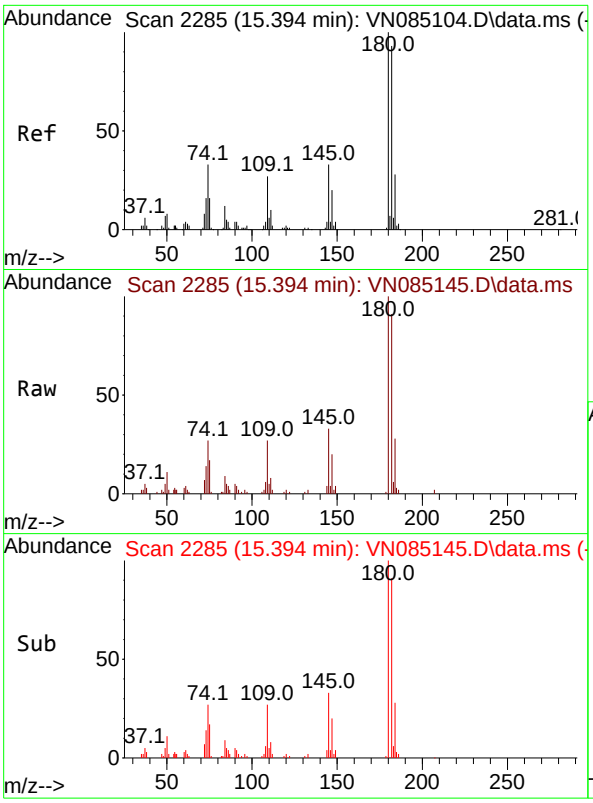


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.468 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 75 Resp: 9668

Ion	Ratio	Lower	Upper
75	100		
155	79.1	38.9	116.7
157	104.5	48.3	144.9



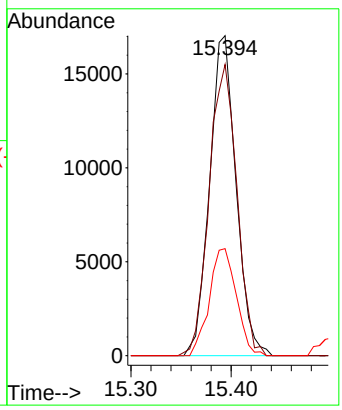


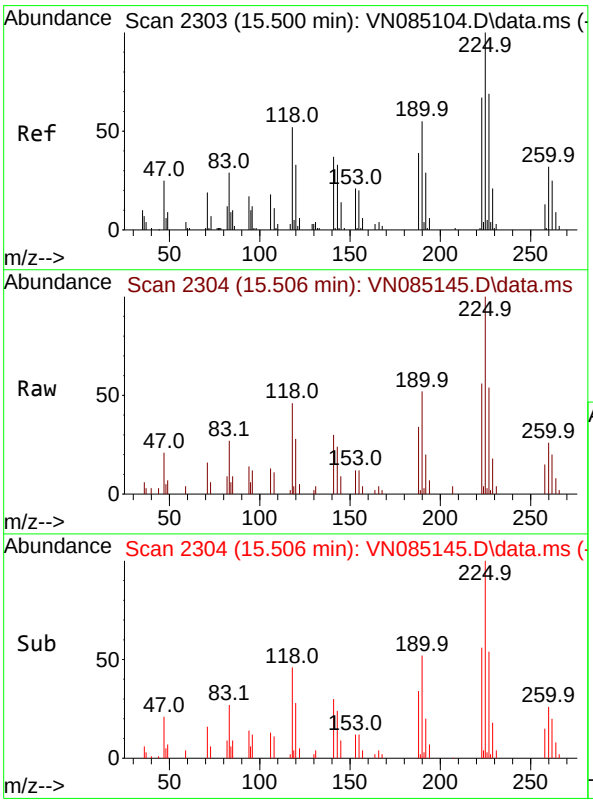
#93
1,2,4-Trichlorobenzene
Concen: 15.812 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion:180 Resp: 31255

Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.9	140.8
145	34.2	16.3	48.8

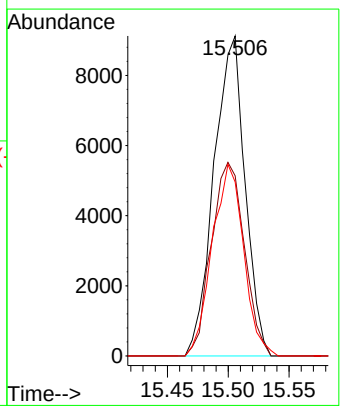


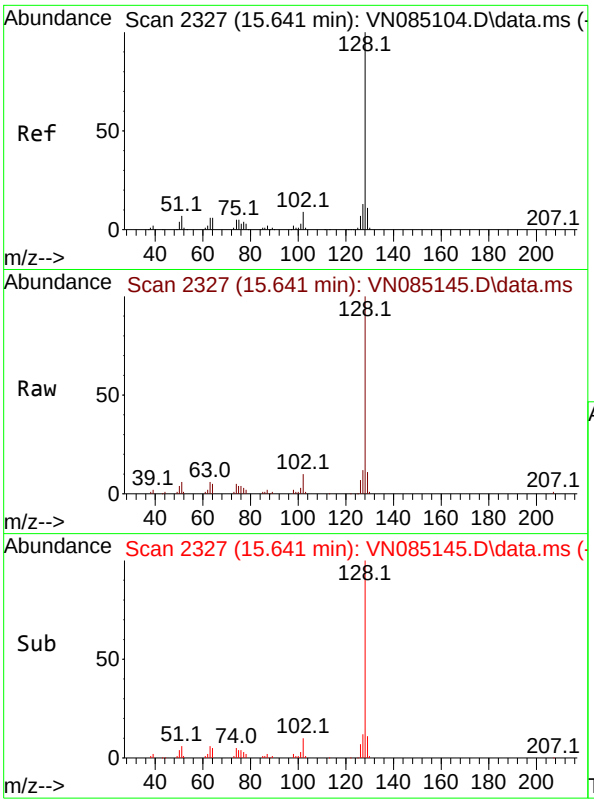


#94
Hexachlorobutadiene
Concen: 17.760 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:225 Resp: 16202

Ion	Ratio	Lower	Upper
225	100		
223	64.3	30.9	92.8
227	60.5	31.5	94.5



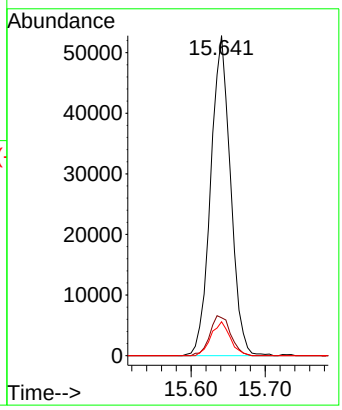


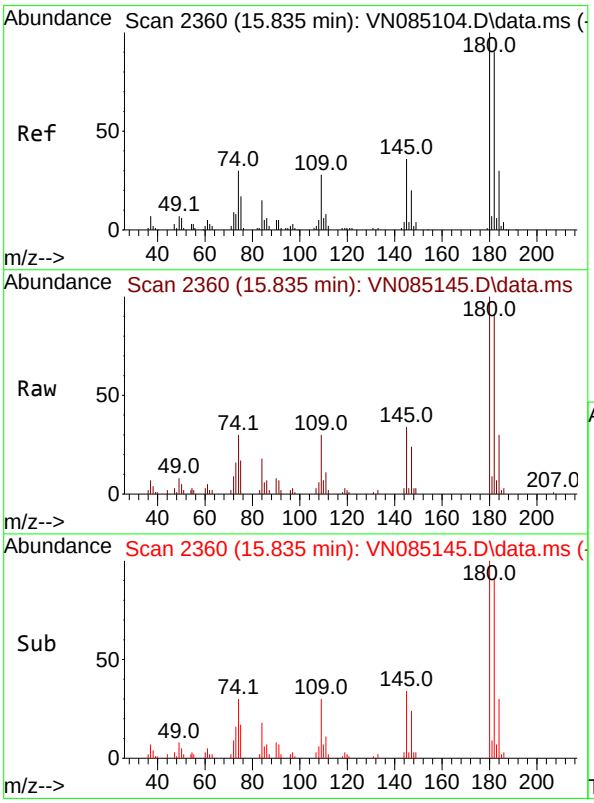
#95
Naphthalene
Concen: 17.440 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion:128 Resp: 98185

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	10.2	8.6	12.8

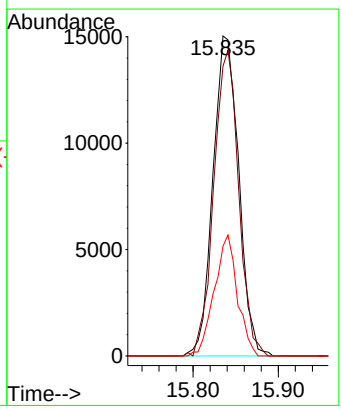




#96
1,2,3-Trichlorobenzene
Concen: 16.735 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:180 Resp: 31563

Ion	Ratio	Lower	Upper
180	100		
182	92.5	46.4	139.2
145	33.9	17.3	52.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085153.D
Acq On : 09 Dec 2024 16:14
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 10 05:02:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	162736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	265150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	230771	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	119527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118220	51.000	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.000%			
35) Dibromofluoromethane	8.165	113	95864	53.613	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.220%			
50) Toluene-d8	10.565	98	345955	53.987	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.980%			
62) 4-Bromofluorobenzene	12.847	95	134293	56.039	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 112.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	81627	44.359	ug/l	98
3) Chloromethane	2.359	50	90903	42.592	ug/l	94
4) Vinyl Chloride	2.512	62	93966	48.992	ug/l	95
5) Bromomethane	2.942	94	62292	57.945	ug/l	99
6) Chloroethane	3.106	64	62173	48.092	ug/l	99
7) Trichlorofluoromethane	3.489	101	174174	53.383	ug/l	98
8) Diethyl Ether	3.953	74	62482	56.265	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	101733	54.976	ug/l	98
10) Methyl Iodide	4.583	142	117965	48.159	ug/l	99
11) Tert butyl alcohol	5.524	59	101635	328.103	ug/l	97
12) 1,1-Dichloroethene	4.336	96	92960	53.819	ug/l	96
13) Acrolein	4.177	56	69168	334.634	ug/l	100
14) Allyl chloride	5.018	41	142160	48.822	ug/l	93
15) Acrylonitrile	5.718	53	263867	300.877	ug/l	99
16) Acetone	4.424	43	250348	370.827	ug/l	98
17) Carbon Disulfide	4.706	76	249632	48.964	ug/l	96
18) Methyl Acetate	5.018	43	129127	60.073	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	330945	58.641	ug/l	96
20) Methylene Chloride	5.271	84	109418	53.113	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	98207	54.029	ug/l	95
22) Diisopropyl ether	6.671	45	327105	55.815	ug/l	98
23) Vinyl Acetate	6.600	43	1235181	305.508	ug/l	100
24) 1,1-Dichloroethane	6.565	63	192887	54.999	ug/l	99
25) 2-Butanone	7.483	43	356129	322.655	ug/l	98
26) 2,2-Dichloropropane	7.494	77	179376	54.775	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	123370	56.300	ug/l	99
28) Bromochloromethane	7.812	49	57402	43.360	ug/l	93
29) Tetrahydrofuran	7.841	42	223283	325.304	ug/l	100
30) Chloroform	7.965	83	206502	55.353	ug/l	98
31) Cyclohexane	8.253	56	155530	50.369	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	186189	55.230	ug/l	98
36) 1,1-Dichloropropene	8.371	75	139304	57.518	ug/l	99
37) Ethyl Acetate	7.559	43	138225	62.778	ug/l	99
38) Carbon Tetrachloride	8.359	117	166889	59.696	ug/l	99
39) Methylcyclohexane	9.600	83	153471	60.980	ug/l	97
40) Benzene	8.606	78	426932	55.734	ug/l	97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085153.D
Acq On : 09 Dec 2024 16:14
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 10 05:02:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	74288	60.938 ug/l	97
42) 1,2-Dichloroethane	8.671	62	156285	59.637 ug/l	100
43) Isopropyl Acetate	8.688	43	273688	59.842 ug/l	96
44) Trichloroethene	9.353	130	103598	58.195 ug/l	93
45) 1,2-Dichloropropane	9.618	63	108197	57.347 ug/l	94
46) Dibromomethane	9.706	93	78342	59.757 ug/l	99
47) Bromodichloromethane	9.882	83	167432	60.258 ug/l	99
48) Methyl methacrylate	9.677	41	115253	67.720 ug/l	97
49) 1,4-Dioxane	9.694	88	43006	1457.126 ug/l #	94
51) 4-Methyl-2-Pentanone	10.441	43	725499	347.299 ug/l	99
52) Toluene	10.629	92	277164	61.119 ug/l	99
53) t-1,3-Dichloropropene	10.835	75	170255	61.118 ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	180164	60.963 ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	103873	61.496 ug/l	98
56) Ethyl methacrylate	10.871	69	174001	70.497 ug/l	98
57) 1,3-Dichloropropane	11.159	76	177618	59.747 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	340202	280.990 ug/l	98
59) 2-Hexanone	11.194	43	549363	351.625 ug/l	100
60) Dibromochloromethane	11.359	129	128913	62.448 ug/l	100
61) 1,2-Dibromoethane	11.471	107	108774	62.224 ug/l	99
64) Tetrachloroethene	11.100	164	90824	58.408 ug/l	98
65) Chlorobenzene	11.888	112	304940	58.266 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	114186	61.967 ug/l	98
67) Ethyl Benzene	11.965	91	537789	63.337 ug/l	98
68) m/p-Xylenes	12.070	106	413021	127.766 ug/l	100
69) o-Xylene	12.400	106	198117	64.428 ug/l	99
70) Styrene	12.412	104	347132	67.883 ug/l	99
71) Bromoform	12.576	173	92080	67.320 ug/l #	99
73) Isopropylbenzene	12.694	105	512549	60.785 ug/l	99
74) N-amyl acetate	12.494	43	219231	63.094 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	152365	52.916 ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	204062	93.860 ug/l	46
77) Bromobenzene	12.982	156	126211	55.620 ug/l	100
78) n-propylbenzene	13.035	91	610311	62.752 ug/l	100
79) 2-Chlorotoluene	13.123	91	371546	57.227 ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	444282	62.790 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	59423	60.338 ug/l	95
82) 4-Chlorotoluene	13.217	91	380936	56.362 ug/l	100
83) tert-Butylbenzene	13.435	119	360851	59.272 ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	446674	61.328 ug/l	99
85) sec-Butylbenzene	13.617	105	515573	62.691 ug/l	100
86) p-Isopropyltoluene	13.729	119	441406	65.018 ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	232182	51.875 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	232095	50.815 ug/l	98
89) n-Butylbenzene	14.053	91	375765	59.518 ug/l	99
90) Hexachloroethane	14.329	117	85765	57.956 ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	216336	50.441 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	31099	55.854 ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	112793	48.409 ug/l	98
94) Hexachlorobutadiene	15.500	225	54475	50.659 ug/l	98
95) Naphthalene	15.641	128	357684	53.899 ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	111098	49.972 ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085153.D
Acq On : 09 Dec 2024 16:14
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 10 05:02:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

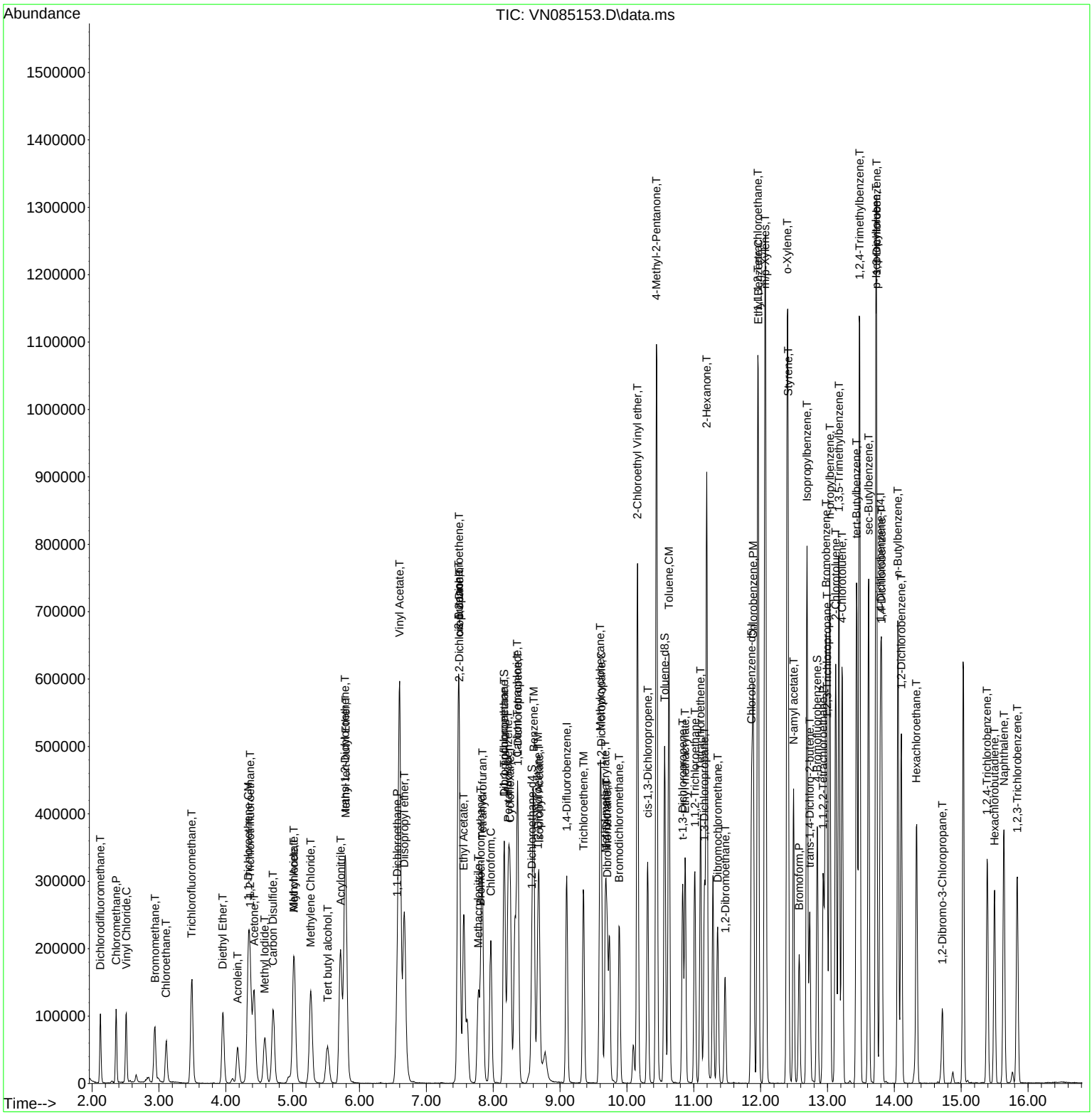
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

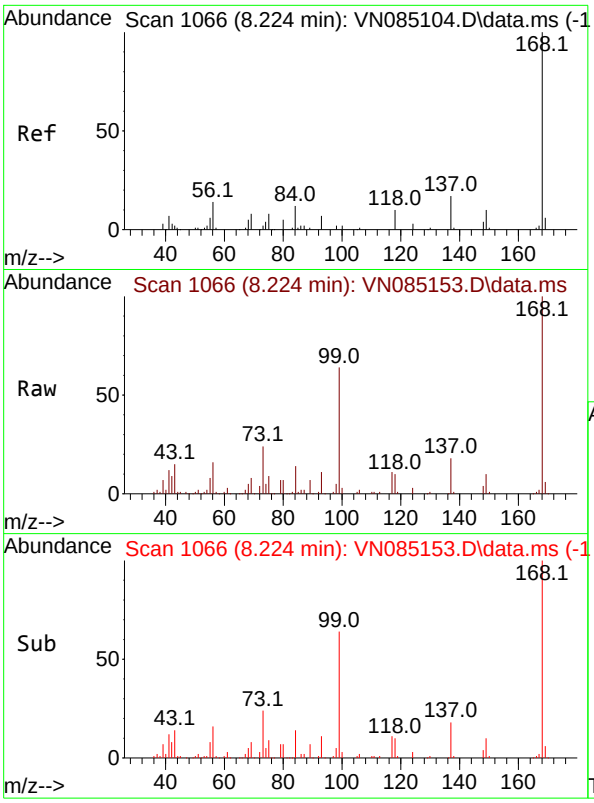
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085153.D
Acq On : 09 Dec 2024 16:14
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 10 05:02:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



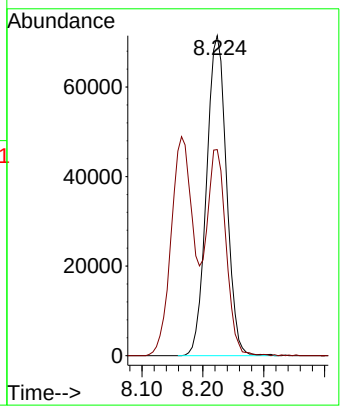


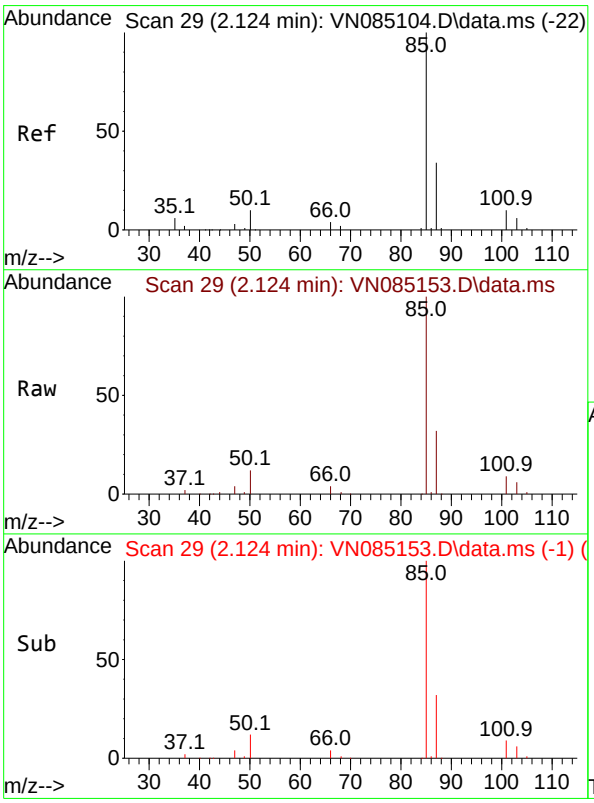
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 162736

Ion	Ratio	Lower	Upper
168	100		
99	64.4	51.2	76.8

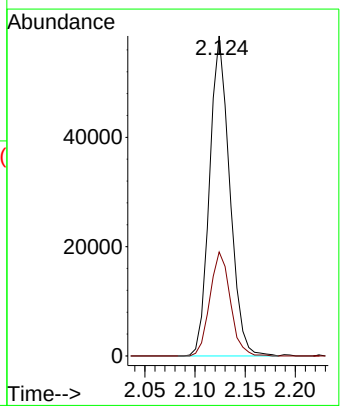


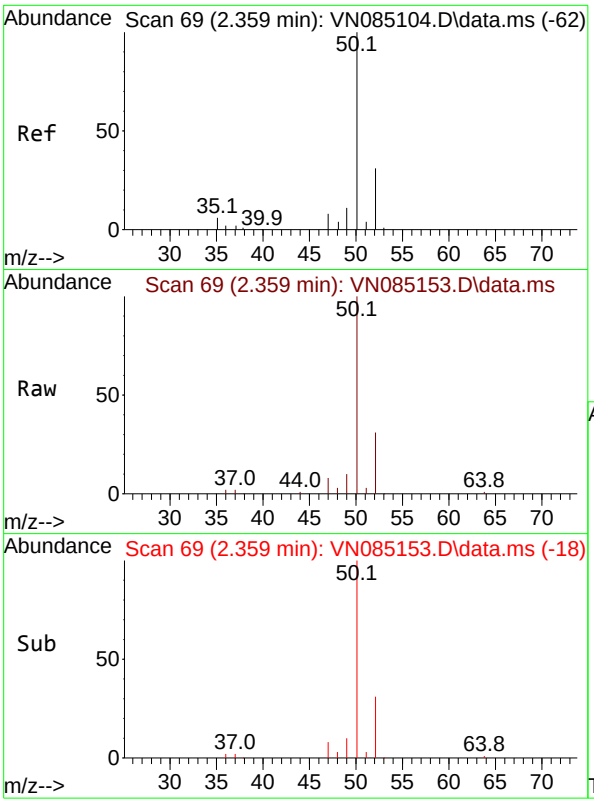


#2
Dichlorodifluoromethane
Concen: 44.359 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 85 Resp: 81627

Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.7	47.1



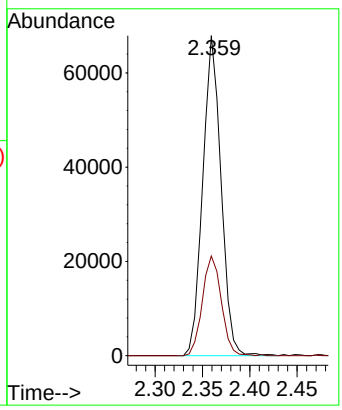


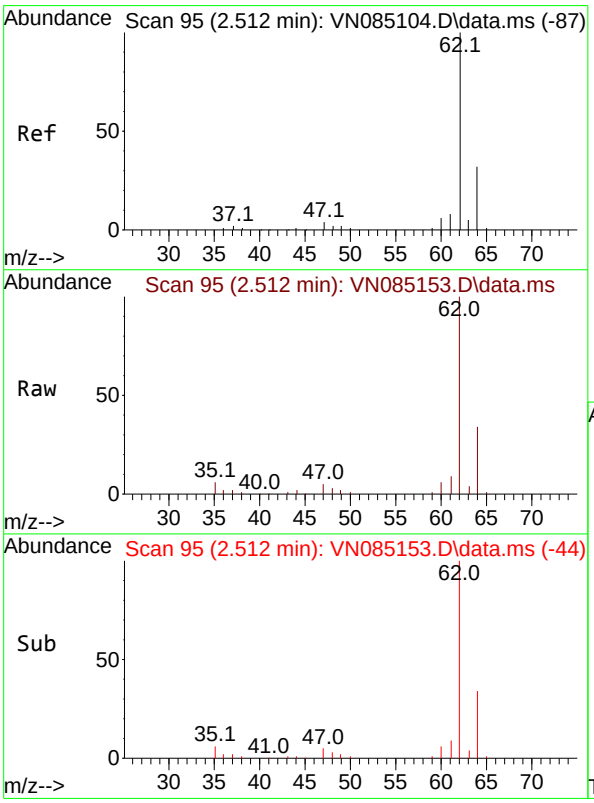
#3
Chloromethane
Concen: 42.592 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 90903

Ion	Ratio	Lower	Upper
50	100		
52	31.1	27.8	41.8

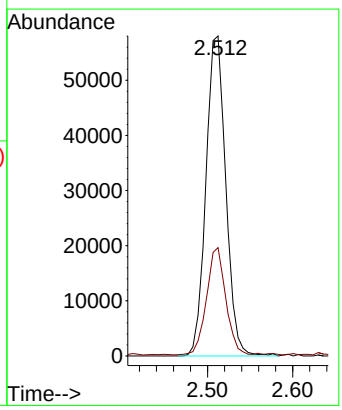


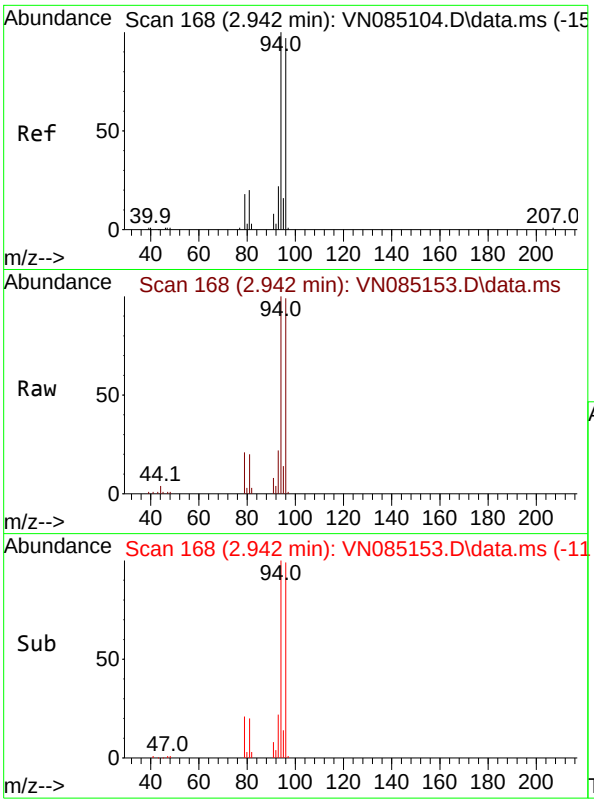


#4
Vinyl Chloride
Concen: 48.992 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 62 Resp: 93966

Ion	Ratio	Lower	Upper
62	100		
64	33.4	24.6	36.8



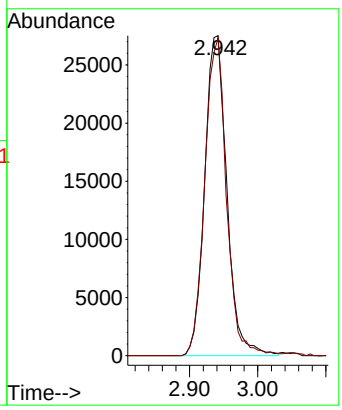


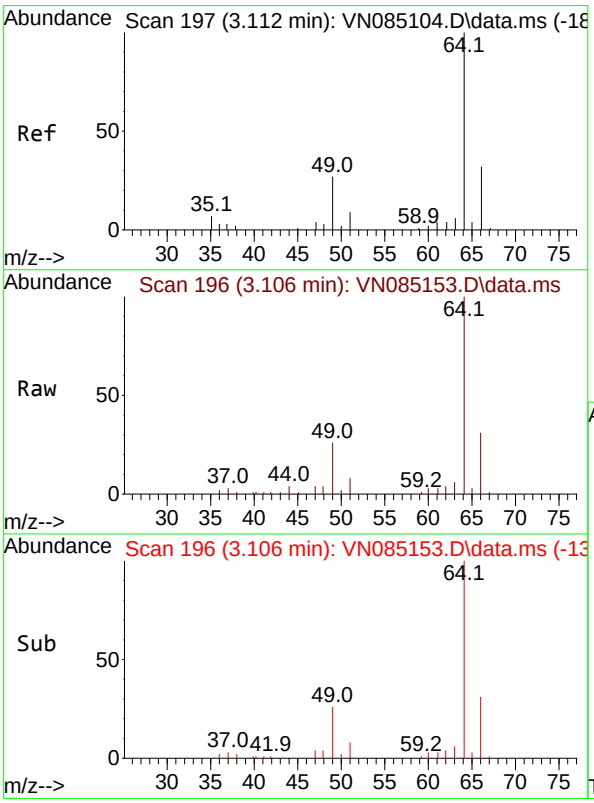
#5
Bromomethane
Concen: 57.945 ug/l
RT: 2.942 min Scan# 1
Delta R.T. 0.041 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 62292

Ion	Ratio	Lower	Upper
94	100		
96	99.2	78.7	118.1

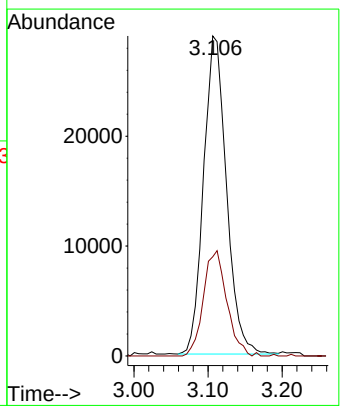


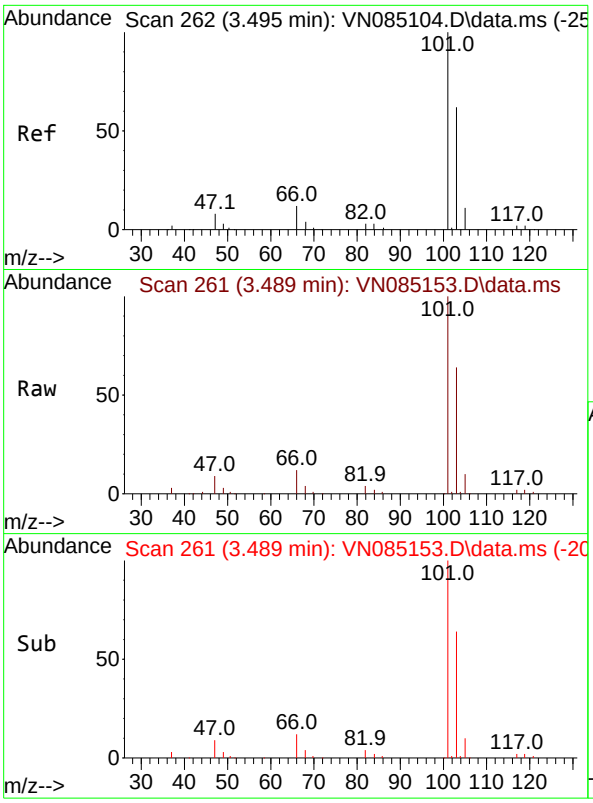


#6
Chloroethane
Concen: 48.092 ug/l
RT: 3.106 min Scan# 196
Delta R.T. 0.041 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 64 Resp: 62173

Ion	Ratio	Lower	Upper
64	100		
66	31.2	24.4	36.6



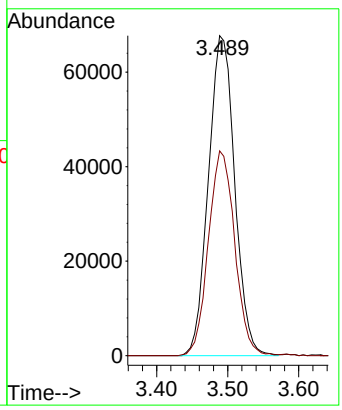


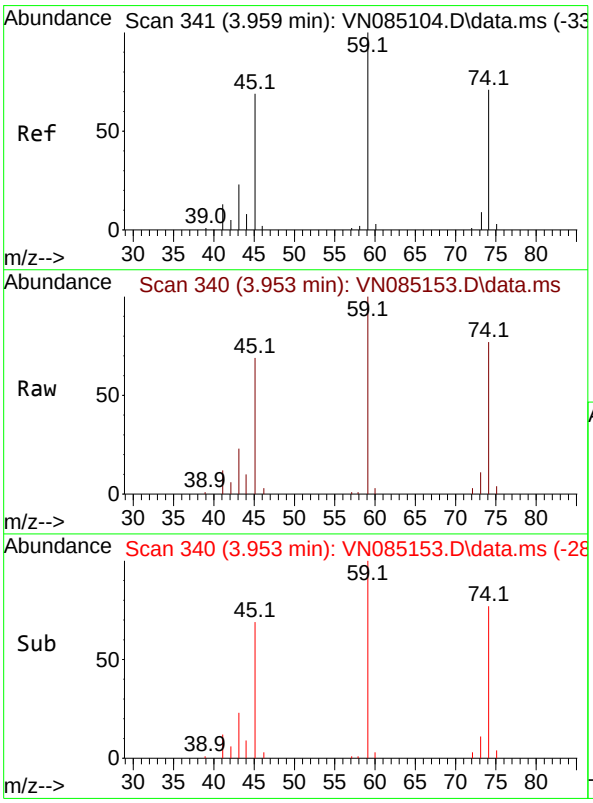
#7
Trichlorofluoromethane
Concen: 53.383 ug/l
RT: 3.489 min Scan# 2
Delta R.T. 0.029 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 174174

Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.6	78.8

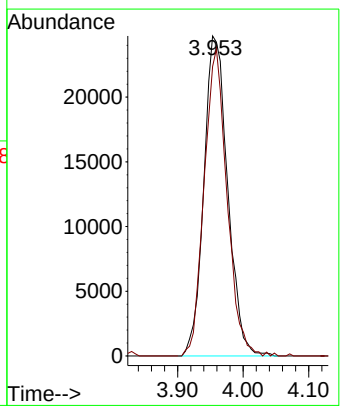


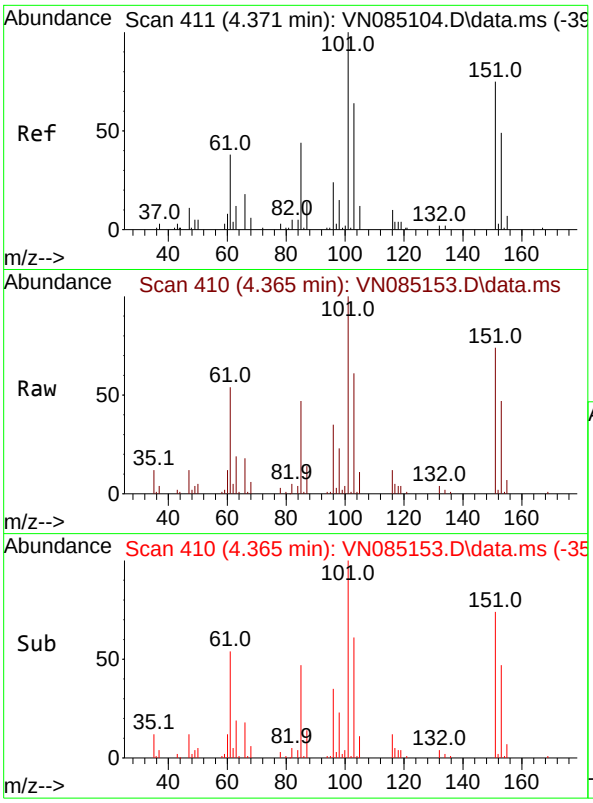


#8
Diethyl Ether
Concen: 56.265 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 74 Resp: 62482

Ion	Ratio	Lower	Upper
74	100		
45	91.8	46.7	140.1



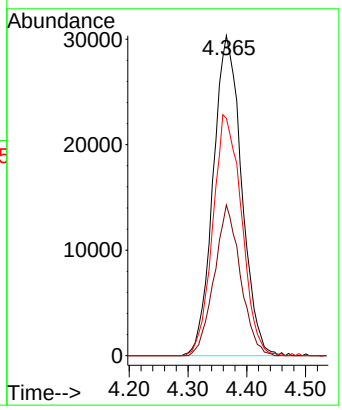


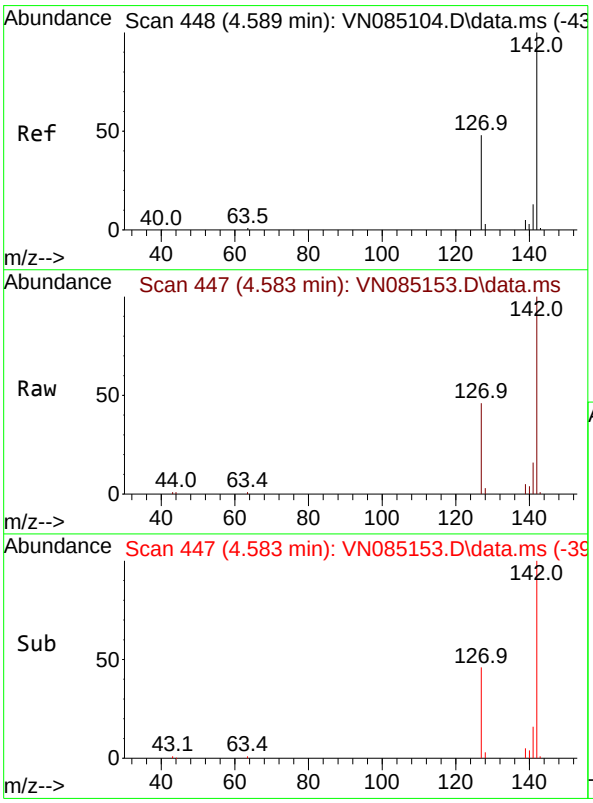
#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.976 ug/l
RT: 4.365 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 101733

Ion	Ratio	Lower	Upper
101	100		
85	43.6	36.9	55.3
151	76.4	60.8	91.2

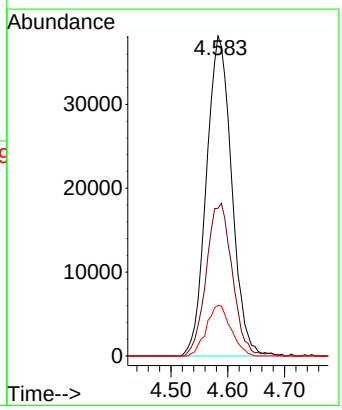


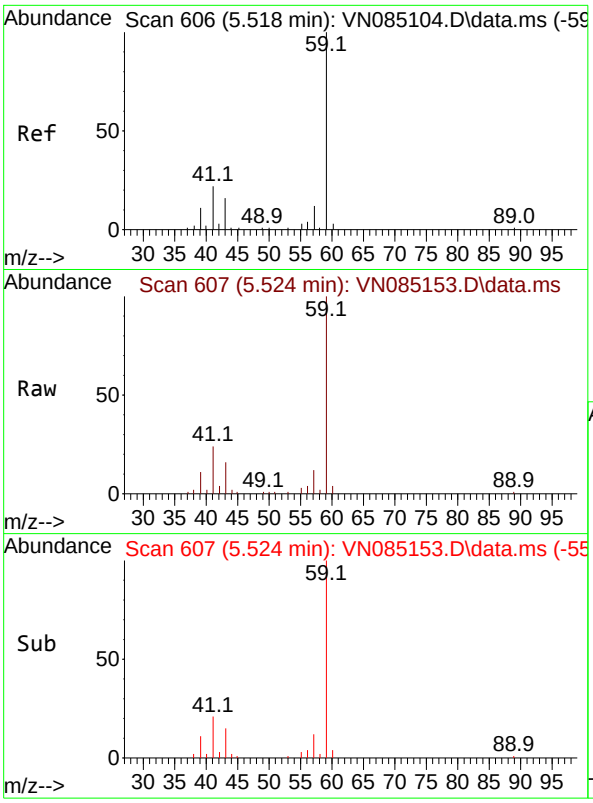


#10
Methyl Iodide
Concen: 48.159 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.012 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:142 Resp: 117965

Ion	Ratio	Lower	Upper
142	100		
127	46.2	36.6	54.8
141	15.8	12.2	18.4



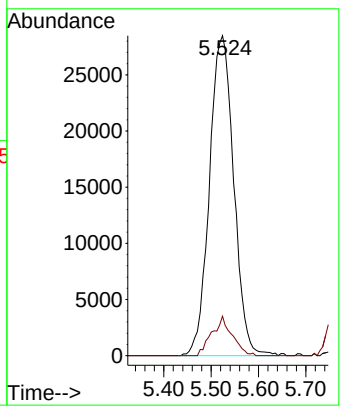


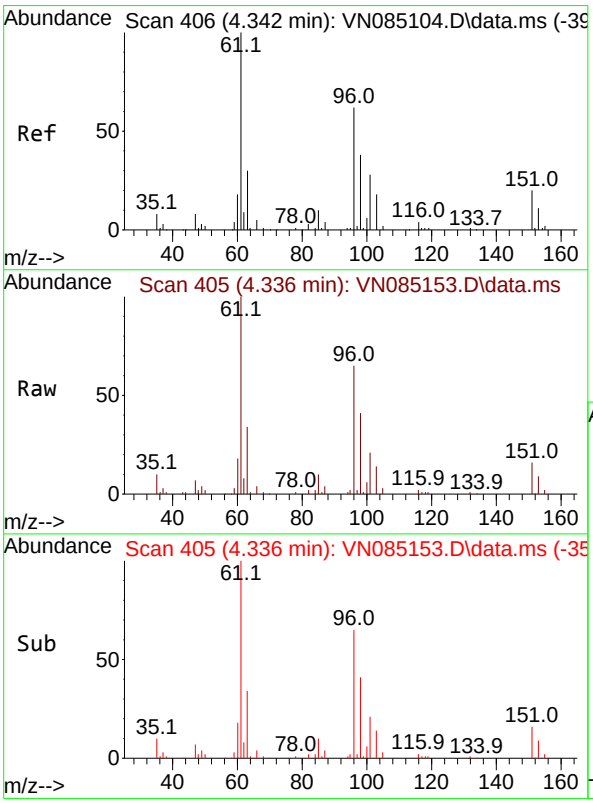
#11
Tert butyl alcohol
Concen: 328.103 ug/l
RT: 5.524 min Scan# 6
Delta R.T. -0.018 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 101635

Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.4	11.0

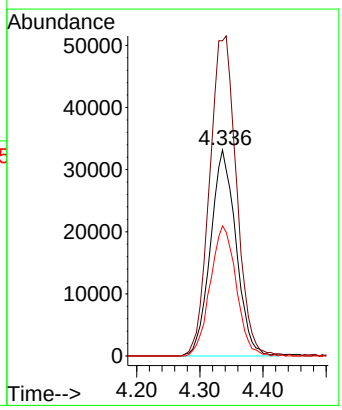


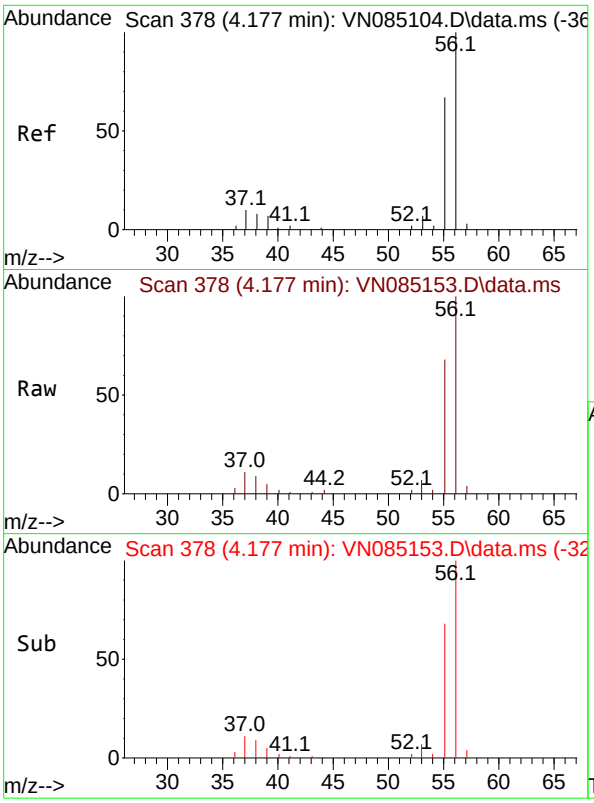


#12
1,1-Dichloroethene
Concen: 53.819 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.017 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 96 Resp: 92960

Ion	Ratio	Lower	Upper
96	100		
61	153.1	127.8	191.8
98	63.2	49.2	73.8



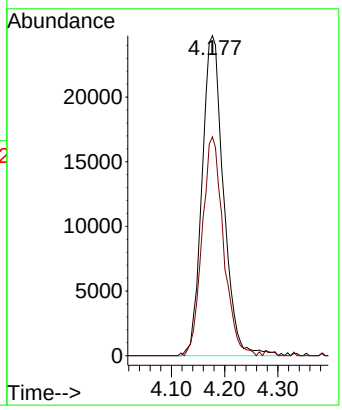


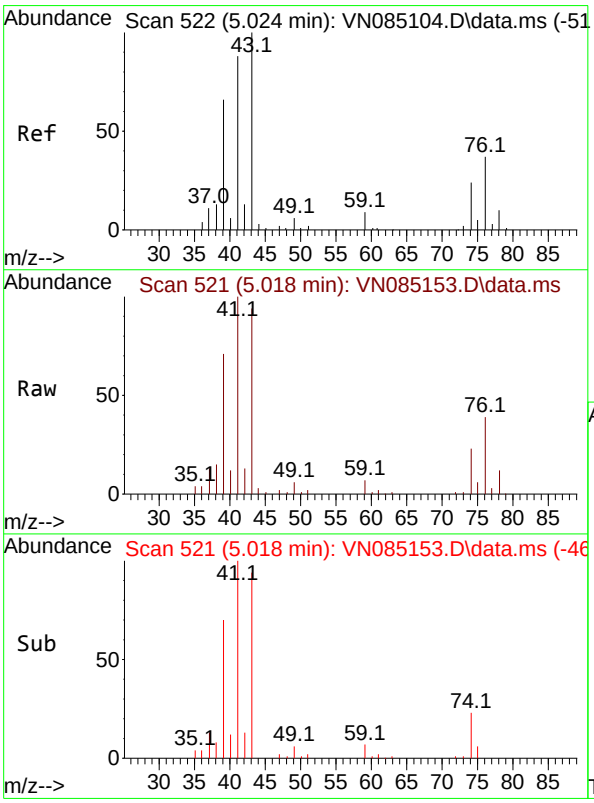
#13
Acrolein
Concen: 334.634 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.012 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 69168

Ion	Ratio	Lower	Upper
56	100		
55	68.1	54.5	81.7

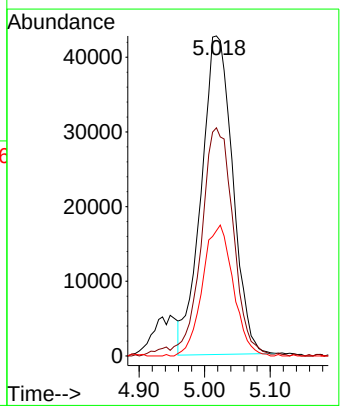


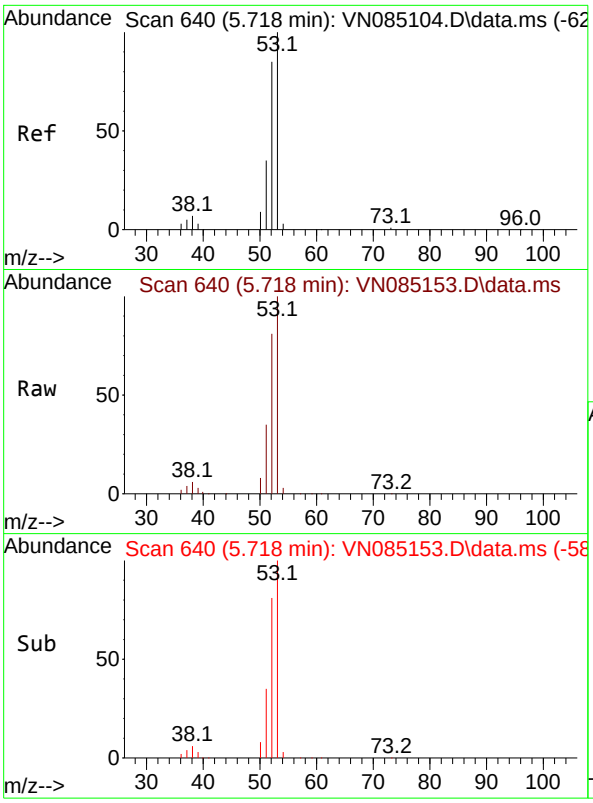


#14
Allyl chloride
Concen: 48.822 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.012 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 41 Resp: 142160

Ion	Ratio	Lower	Upper
41	100		
39	73.9	53.8	80.8
76	40.0	29.3	43.9



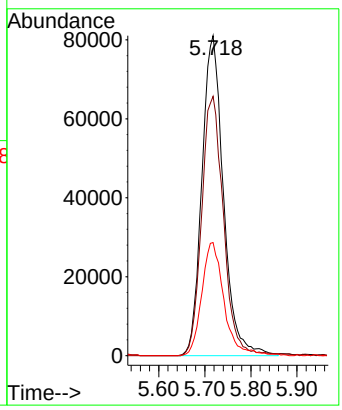


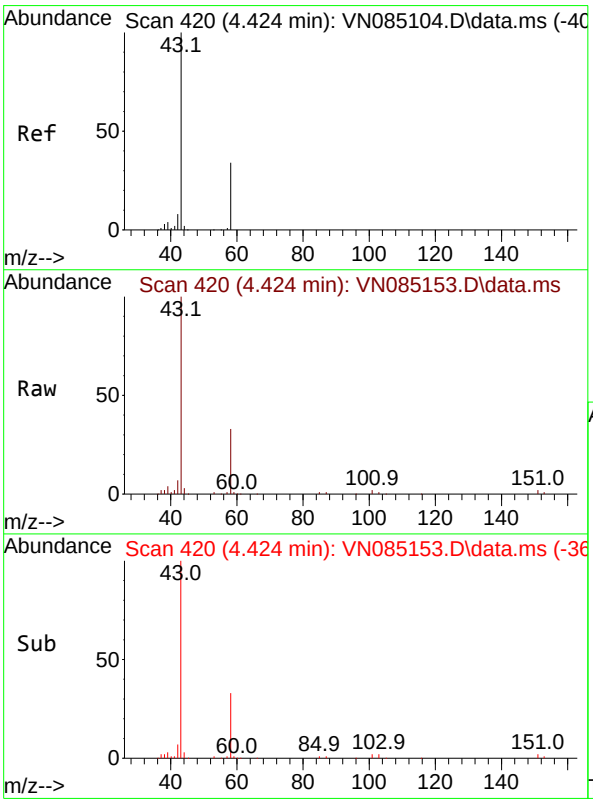
#15
Acrylonitrile
Concen: 300.877 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 263867

Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.5	98.3
51	36.3	28.4	42.6

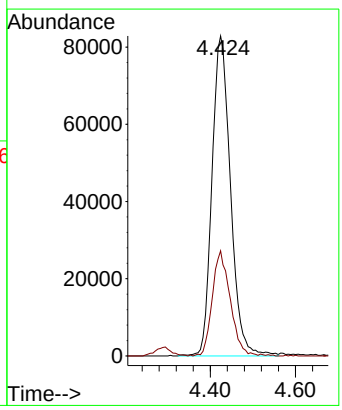


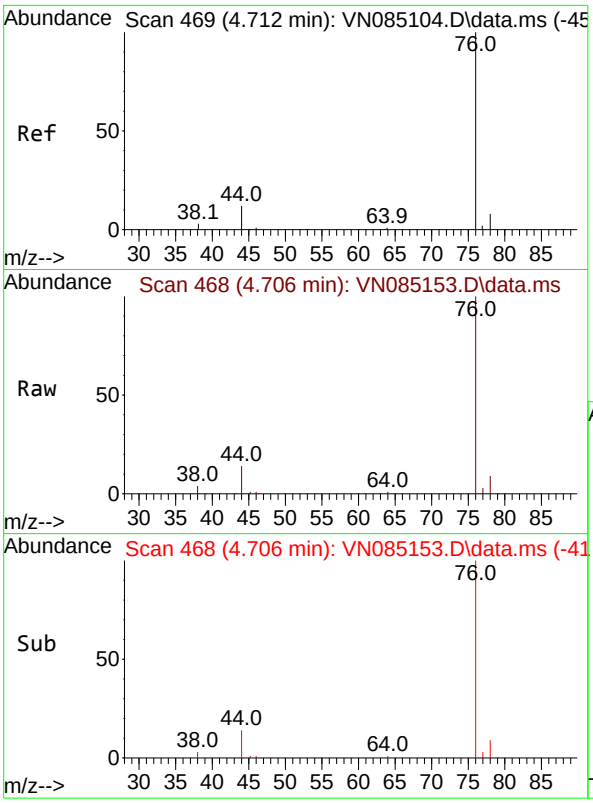


#16
Acetone
Concen: 370.827 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 43 Resp: 250348

Ion	Ratio	Lower	Upper
43	100		
58	32.9	25.4	38.2



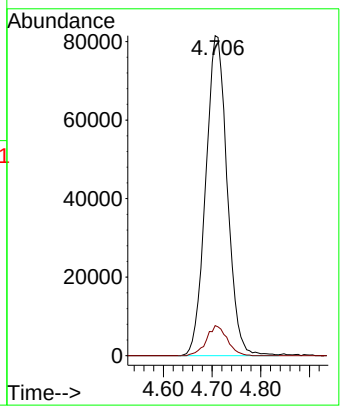


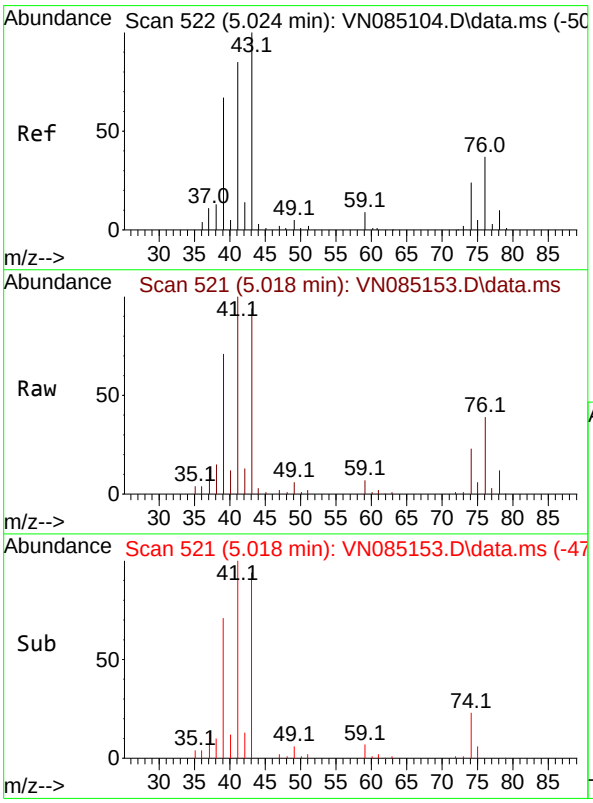
#17
Carbon Disulfide
Concen: 48.964 ug/l
RT: 4.706 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 249632

Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.5	9.7

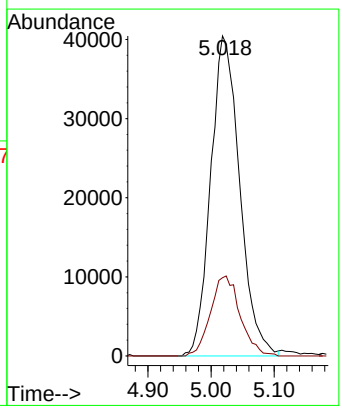


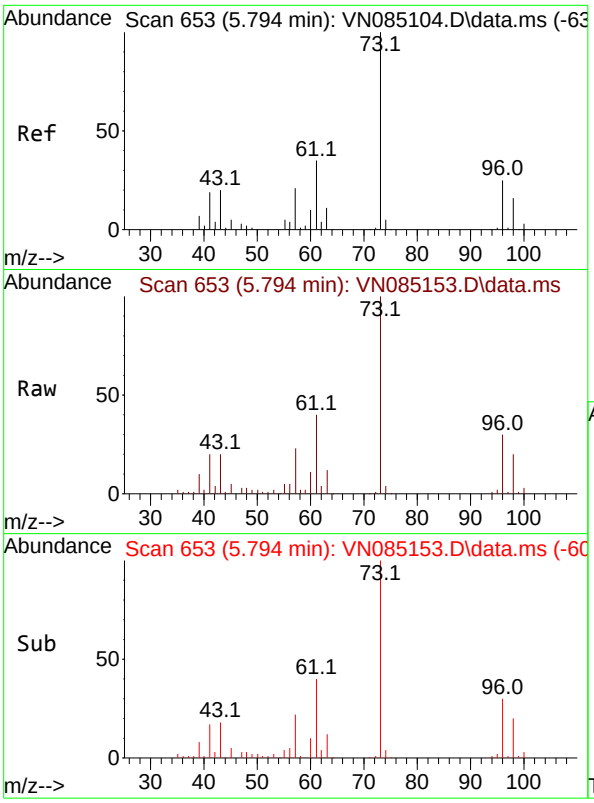


#18
Methyl Acetate
Concen: 60.073 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 43 Resp: 129127

Ion	Ratio	Lower	Upper
43	100		
74	25.5	20.1	30.1



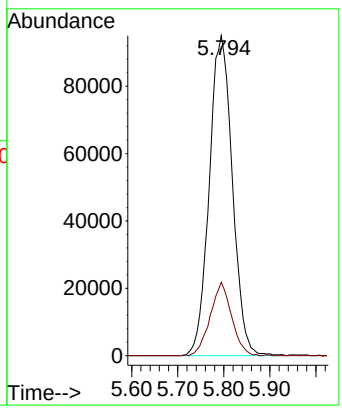


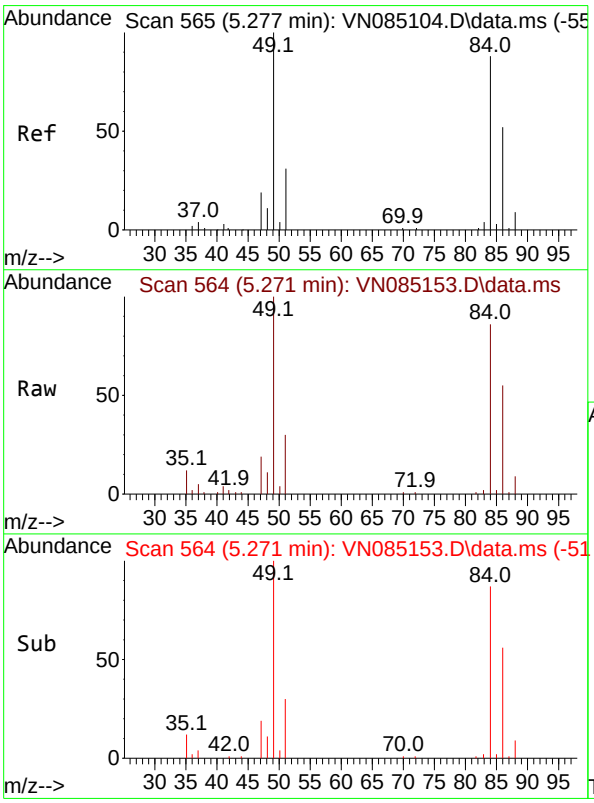
#19
Methyl tert-butyl Ether
Concen: 58.641 ug/l
RT: 5.794 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 330945

Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.0	25.4

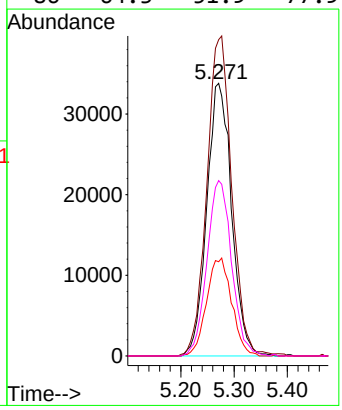


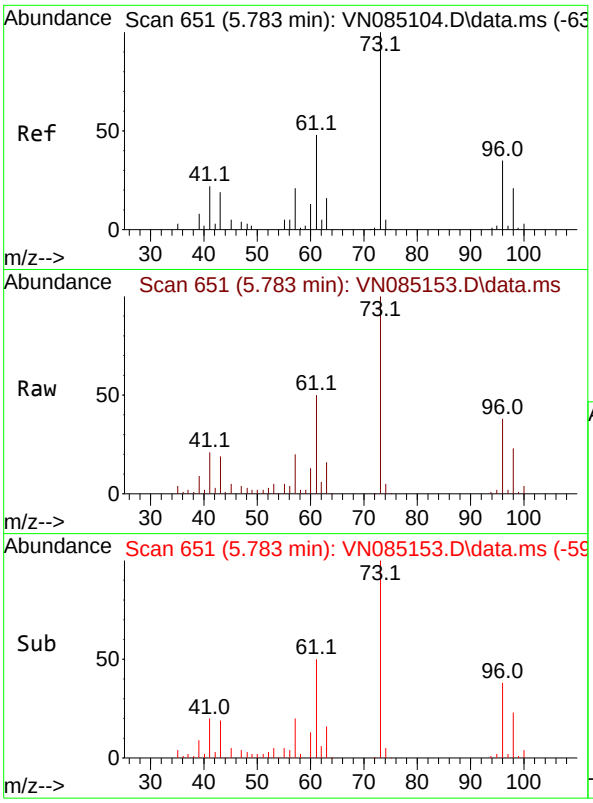


#20
Methylene Chloride
Concen: 53.113 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 84 Resp: 109418

Ion	Ratio	Lower	Upper
84	100		
49	116.0	92.7	139.1
51	34.6	29.4	44.2
86	64.3	51.9	77.9



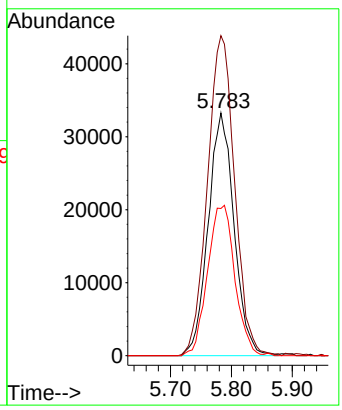


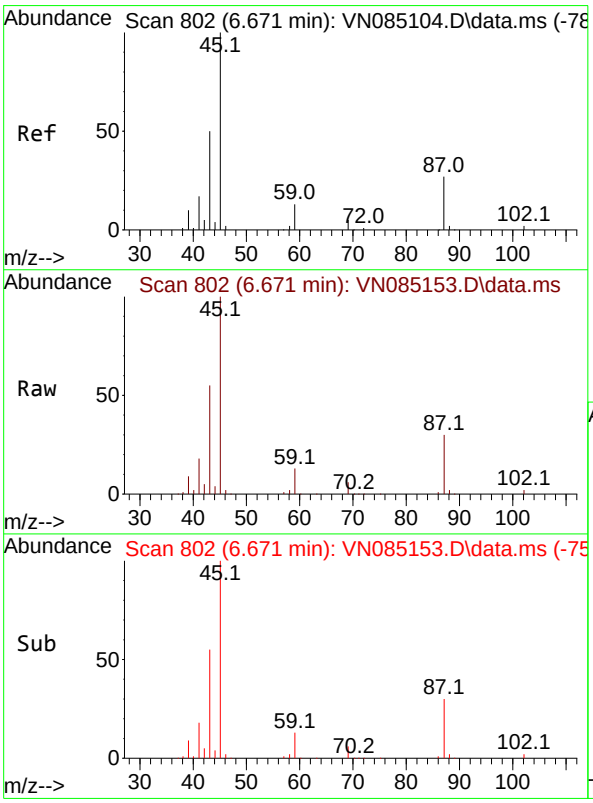
#21
trans-1,2-Dichloroethene
Concen: 54.029 ug/l
RT: 5.783 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 98207

Ion	Ratio	Lower	Upper
96	100		
61	131.8	100.7	151.1
98	60.6	45.8	68.6

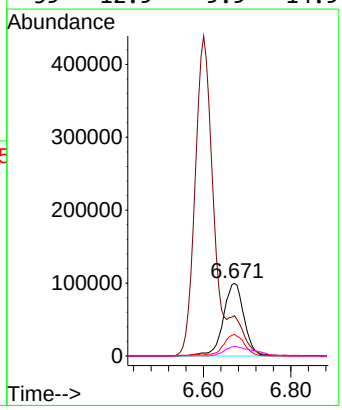


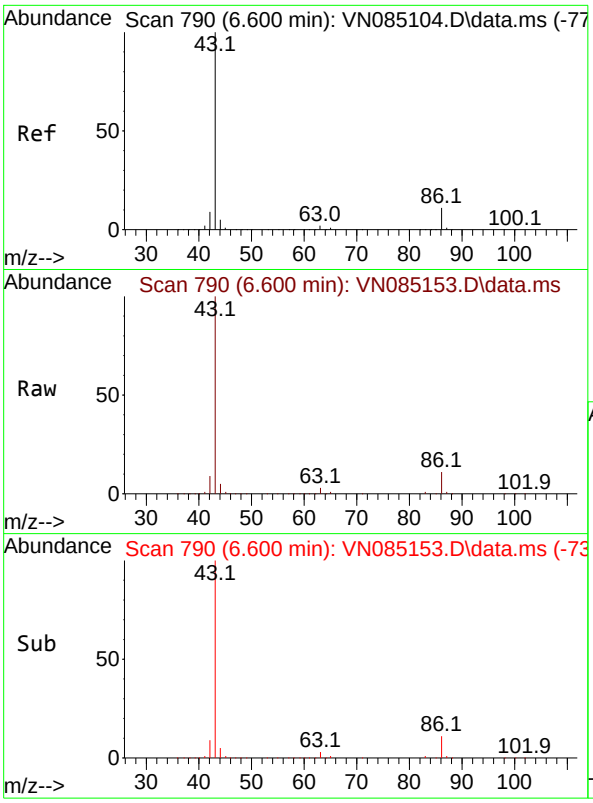


#22
Diisopropyl ether
Concen: 55.815 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 45 Resp: 327105

Ion	Ratio	Lower	Upper
45	100		
43	54.5	42.7	64.1
87	29.5	22.6	34.0
59	12.9	9.9	14.9



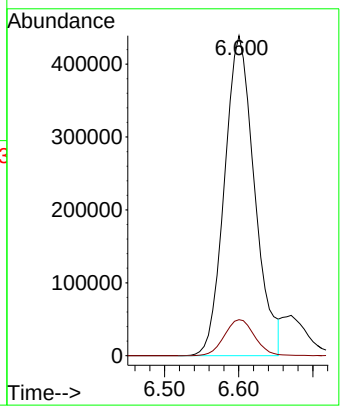


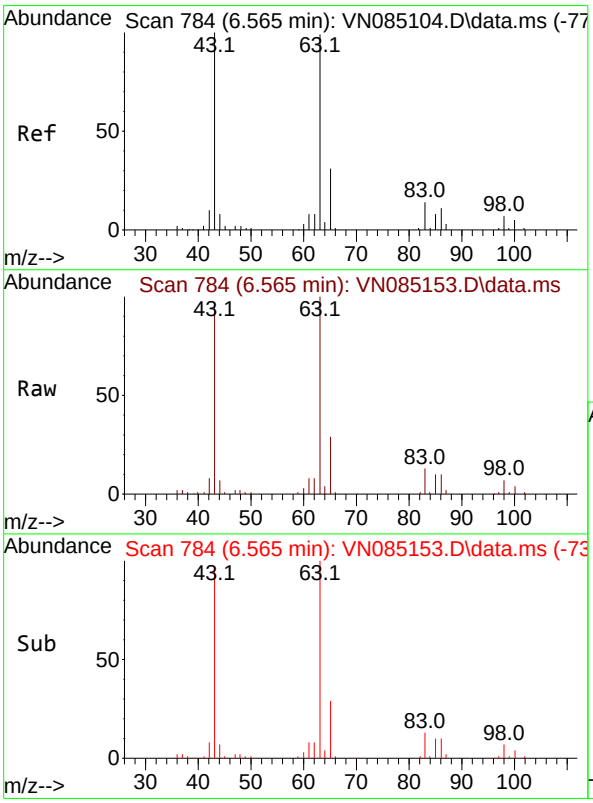
#23
Vinyl Acetate
Concen: 305.508 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1235181

Ion	Ratio	Lower	Upper
43	100		
86	11.2	8.9	13.3

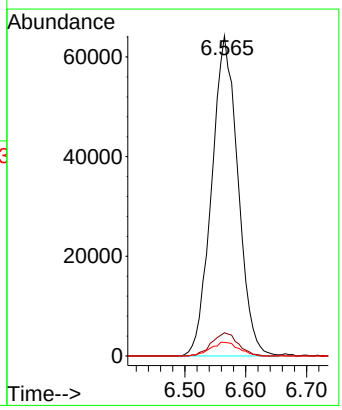


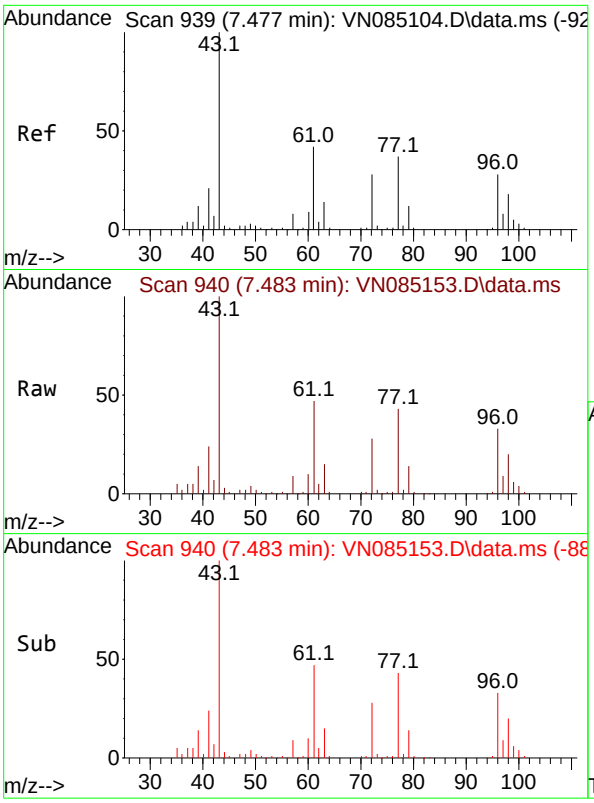


#24
1,1-Dichloroethane
Concen: 54.999 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.012 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 63 Resp: 192887

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.3	9.8
100	4.3	2.2	6.6



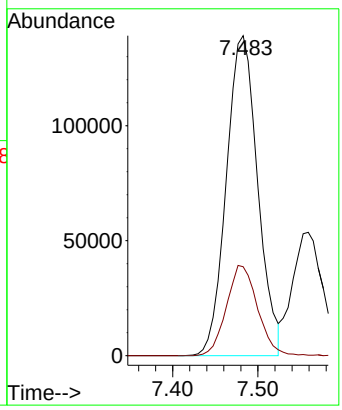


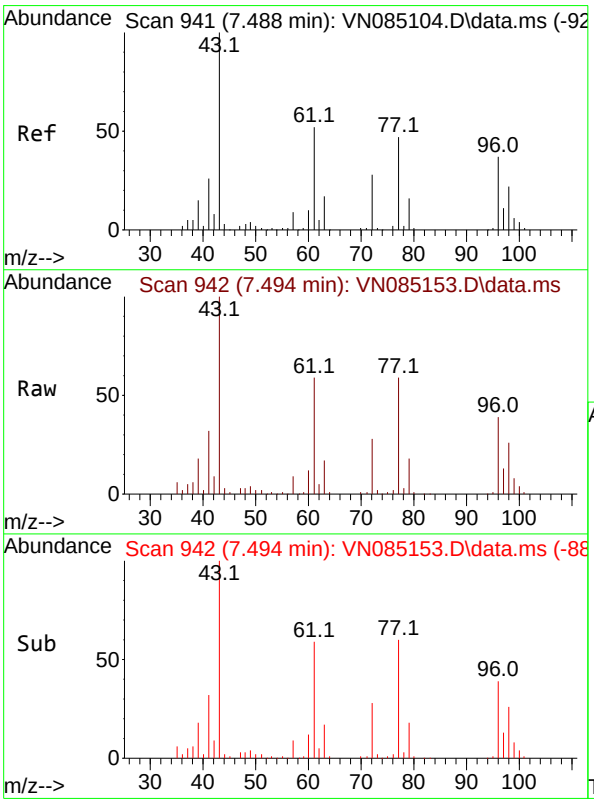
#25
2-Butanone
Concen: 322.655 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 356129

Ion	Ratio	Lower	Upper
43	100		
72	27.8	21.4	32.0

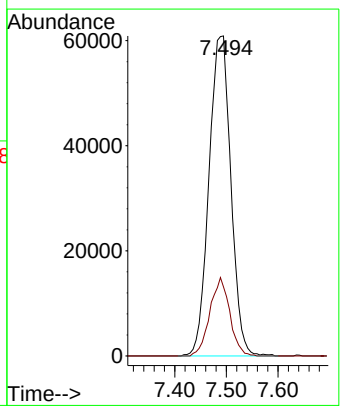


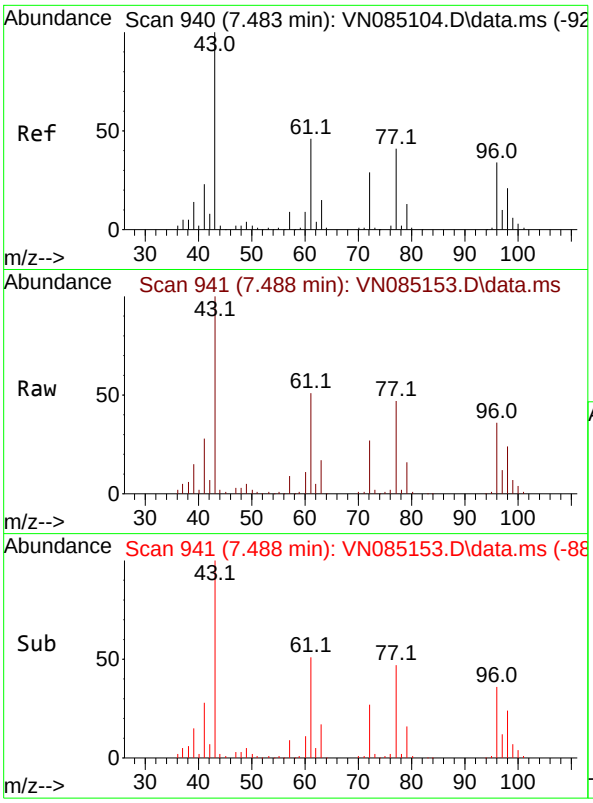


#26
2,2-Dichloropropane
Concen: 54.775 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 77 Resp: 179376

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.9	32.7



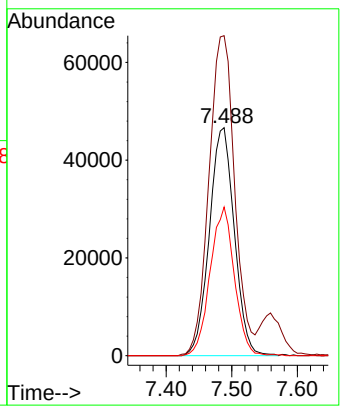


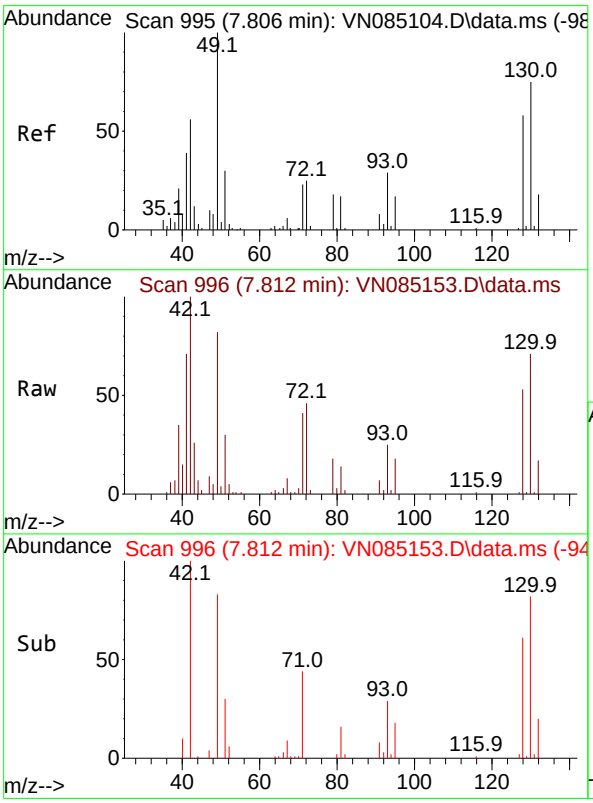
#27
cis-1,2-Dichloroethene
Concen: 56.300 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 123370

Ion	Ratio	Lower	Upper
96	100		
61	145.1	0.0	291.6
98	63.3	0.0	129.8

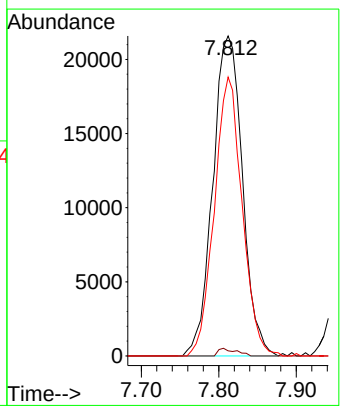


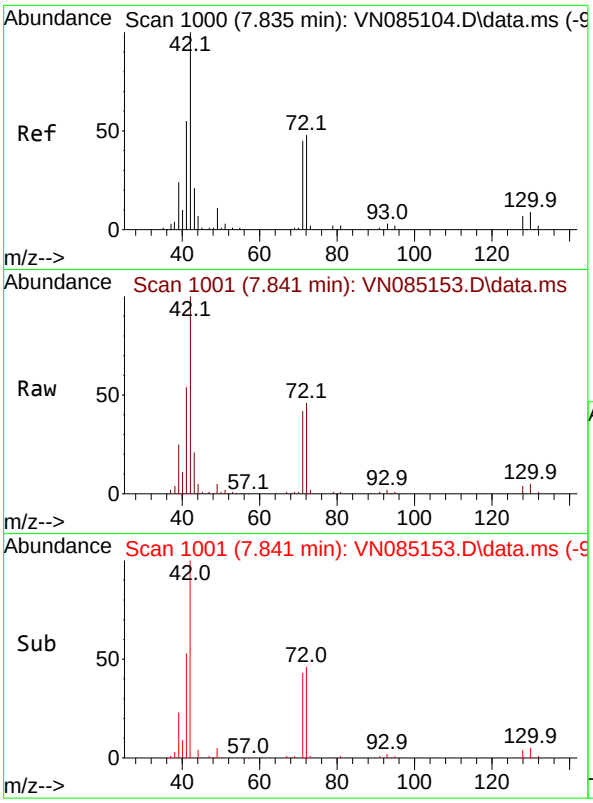


#28
Bromochloromethane
Concen: 43.360 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 49 Resp: 57402

Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	4.0
130	81.7	60.6	90.8



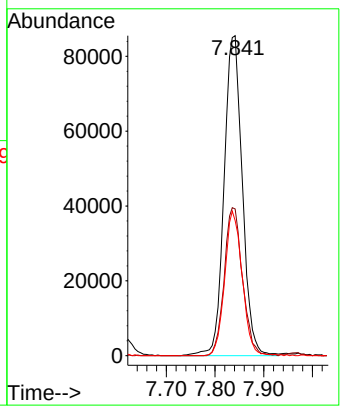


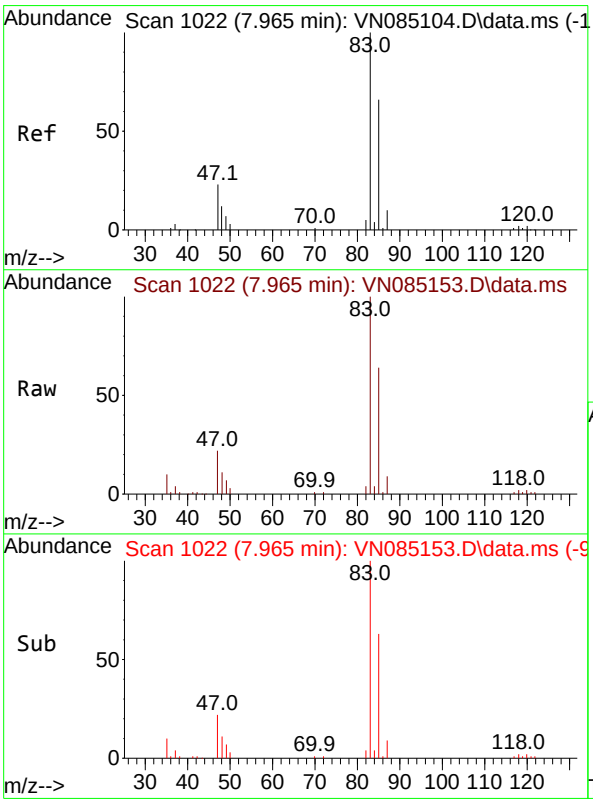
#29
Tetrahydrofuran
Concen: 325.304 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 223283

Ion	Ratio	Lower	Upper
42	100		
72	46.2	37.0	55.4
71	43.1	35.0	52.4

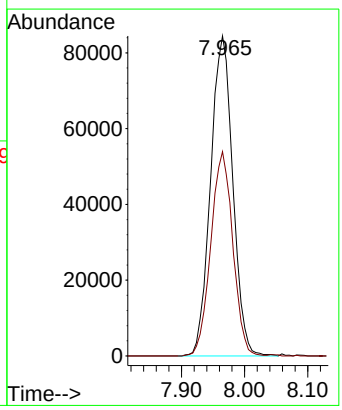


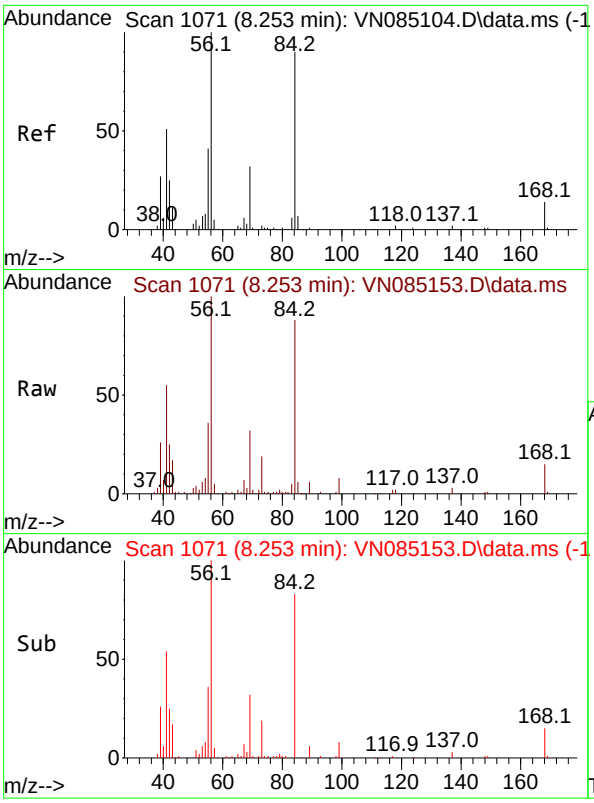


#30
Chloroform
Concen: 55.353 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 83 Resp: 206502

Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.6	78.8



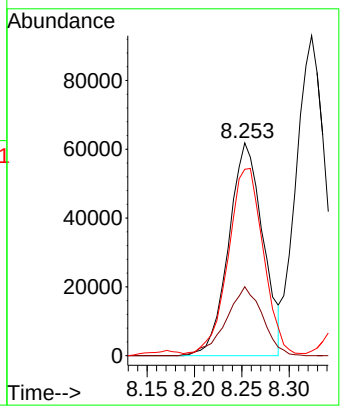


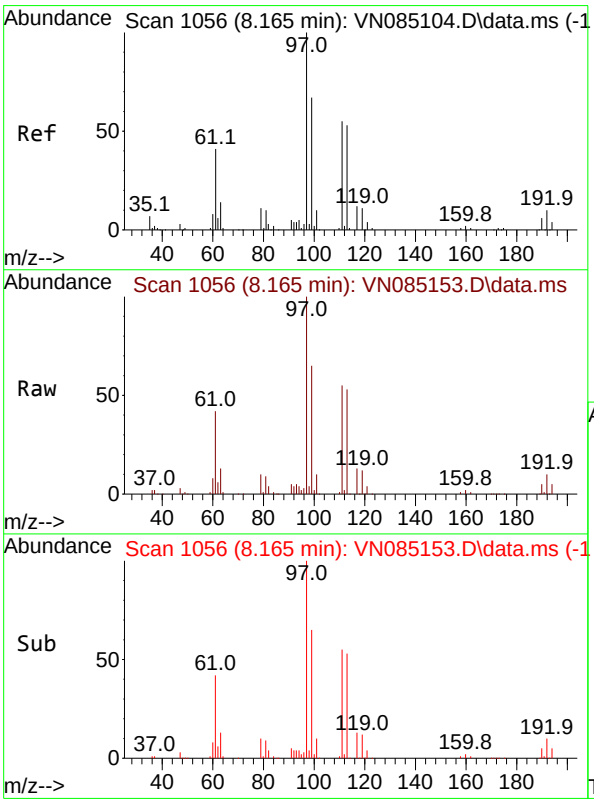
#31
Cyclohexane
Concen: 50.369 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 155530

Ion	Ratio	Lower	Upper
56	100		
69	32.4	24.6	36.8
84	85.9	71.4	107.2

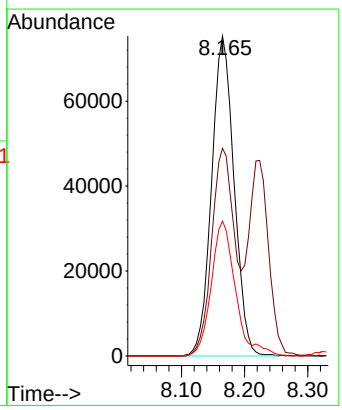


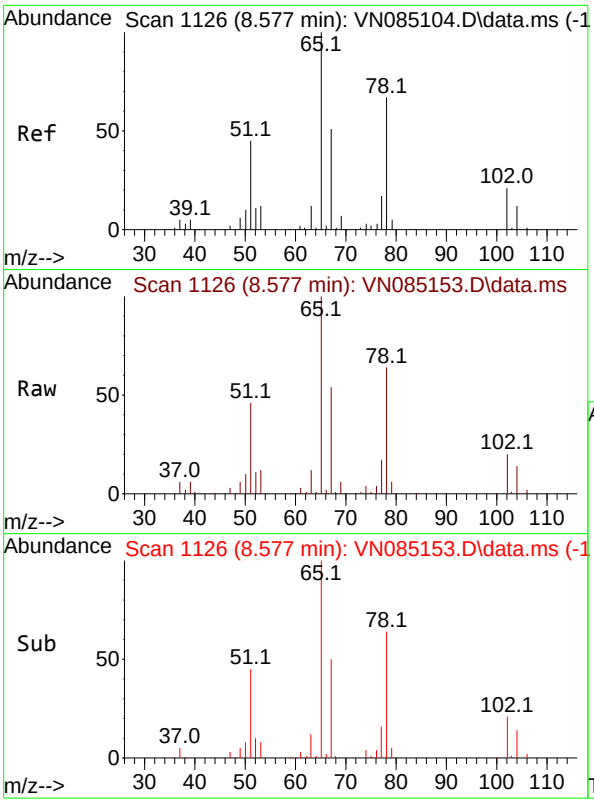


#32
1,1,1-Trichloroethane
Concen: 55.230 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 97 Resp: 186189

Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.0	76.4
61	45.4	36.2	54.2



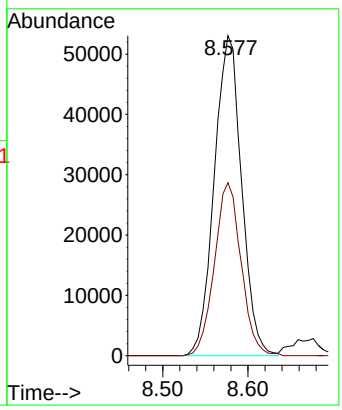


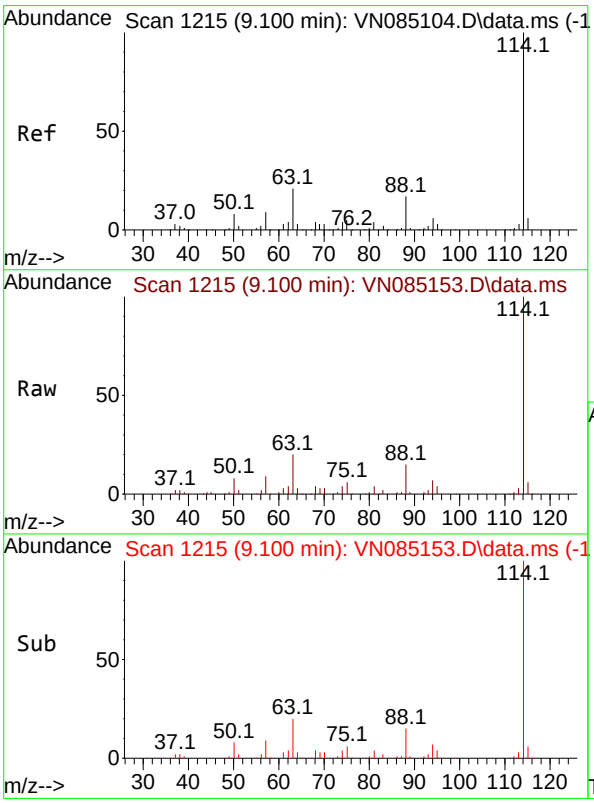
#33
1,2-Dichloroethane-d4
Concen: 51.000 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 118220

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	105.0

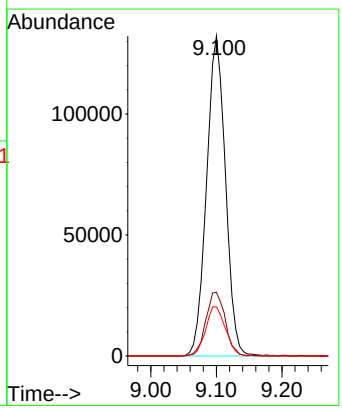


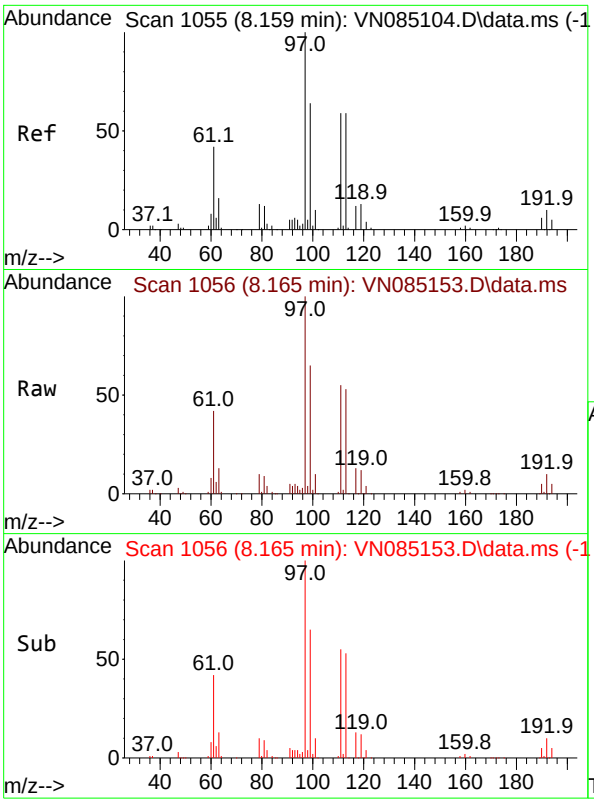


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:114 Resp: 265150

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	41.0
88	15.4	0.0	34.8



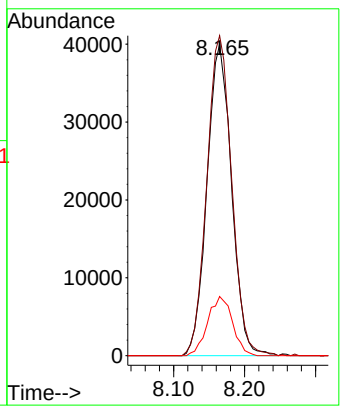


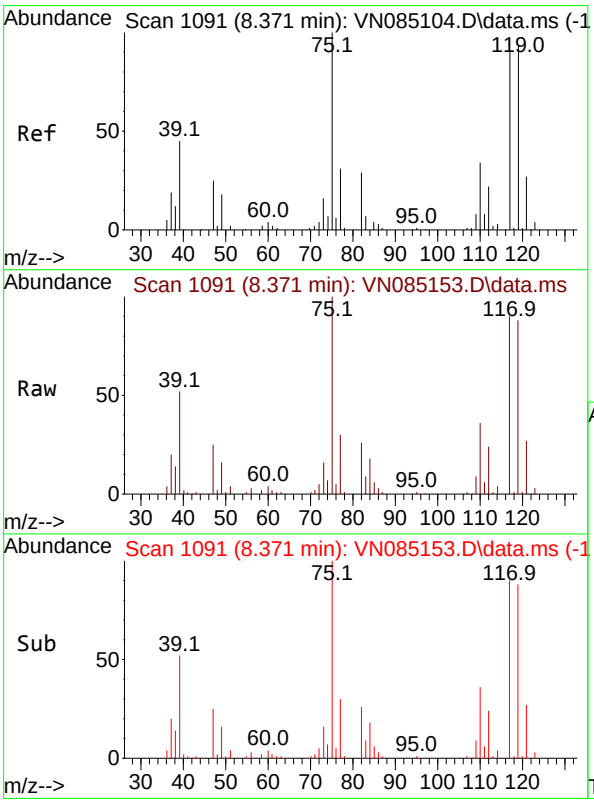
#35
Dibromofluoromethane
Concen: 53.613 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 95864

Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.0	123.0
192	19.2	14.8	22.2

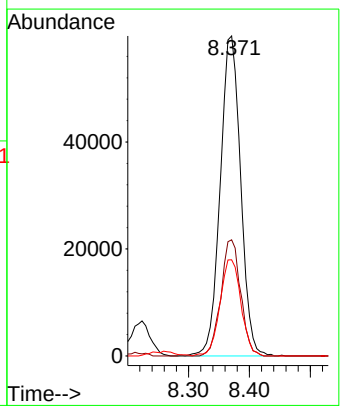


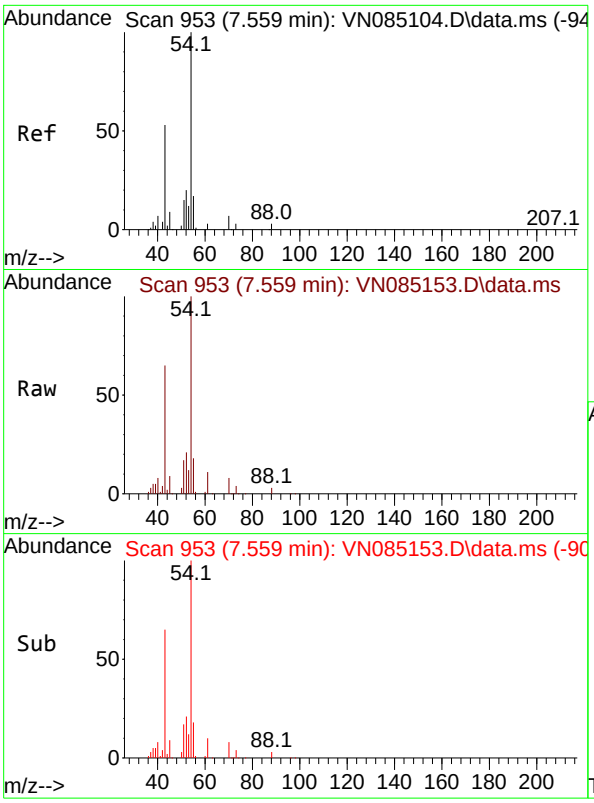


#36
1,1-Dichloropropene
Concen: 57.518 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 75 Resp: 139304

Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.2	51.6
77	31.0	24.2	36.4



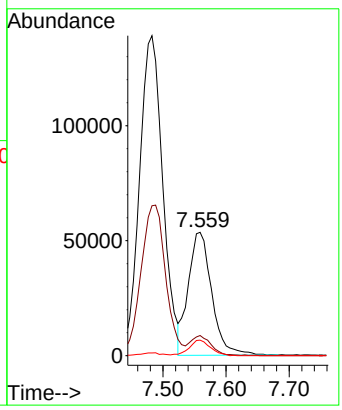


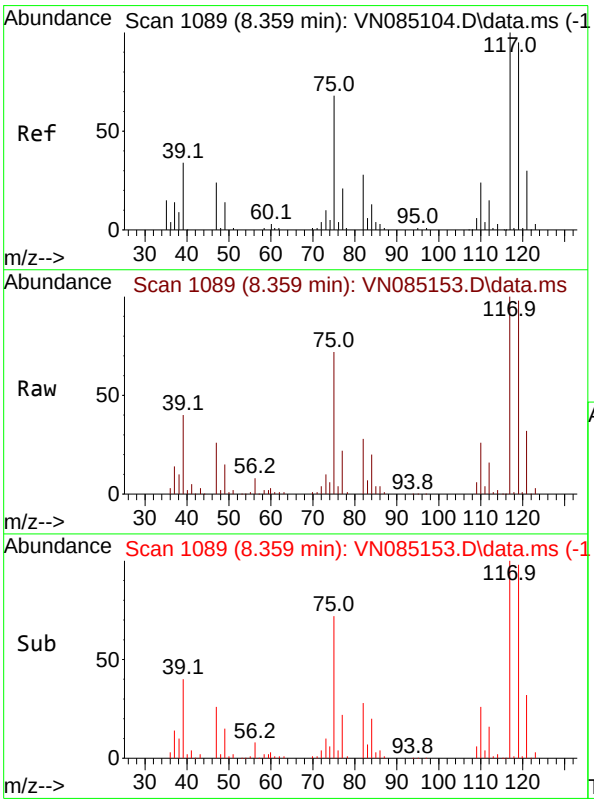
#37
Ethyl Acetate
Concen: 62.778 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 138225

Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.7	17.5
70	11.5	9.3	13.9

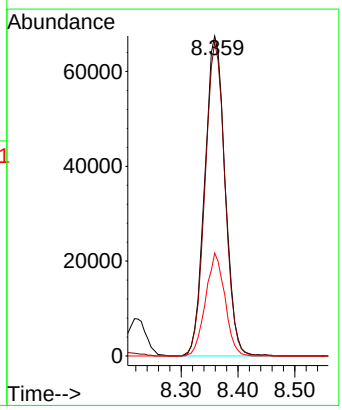


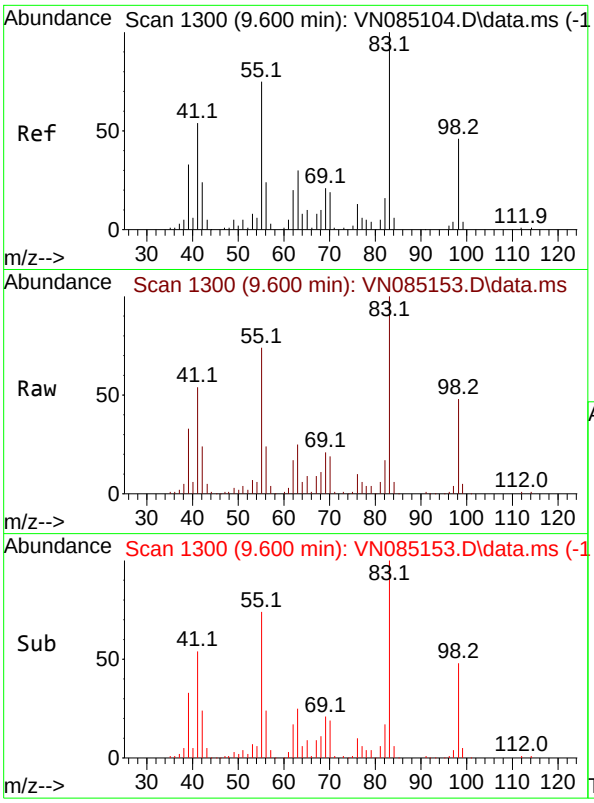


#38
Carbon Tetrachloride
Concen: 59.696 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:117 Resp: 166889

Ion	Ratio	Lower	Upper
117	100		
119	98.0	78.6	117.8
121	32.2	24.2	36.2



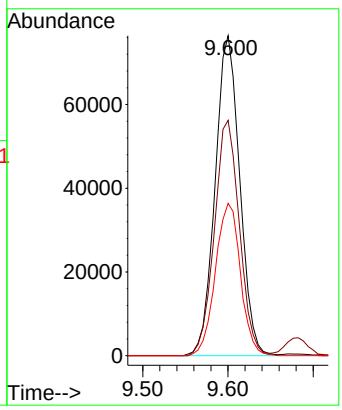


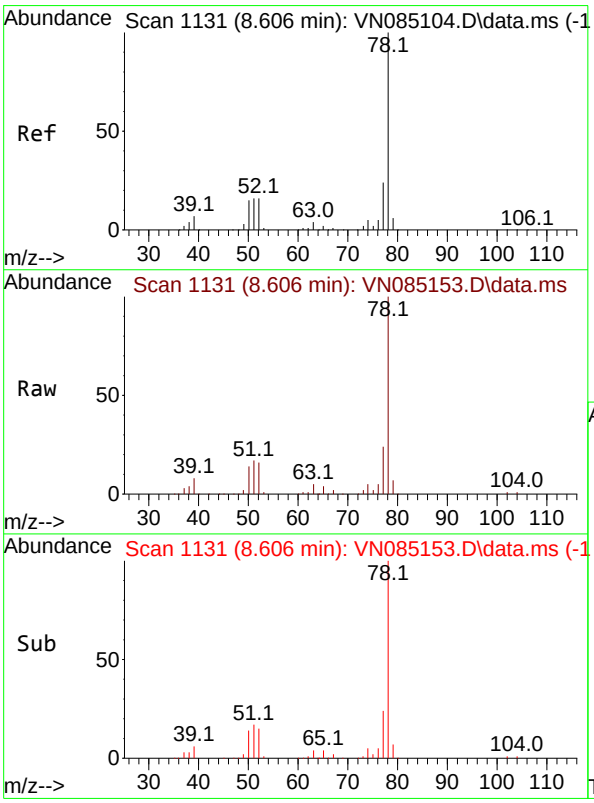
#39
Methylcyclohexane
Concen: 60.980 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 153471

Ion	Ratio	Lower	Upper
83	100		
55	73.6	61.8	92.6
98	47.6	37.0	55.6

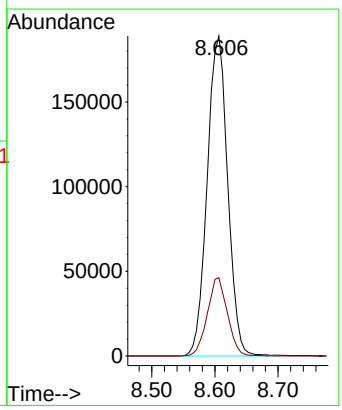


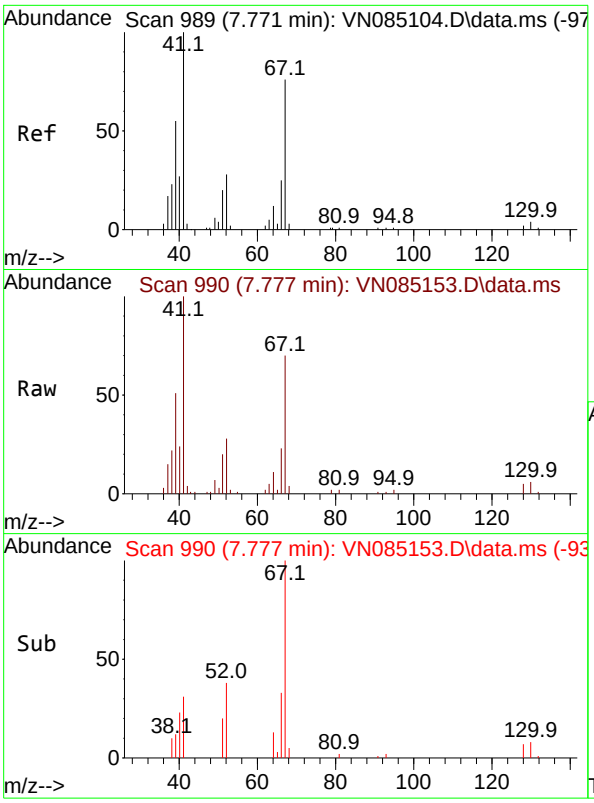


#40
Benzene
Concen: 55.734 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 78 Resp: 426932

Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.5	27.7



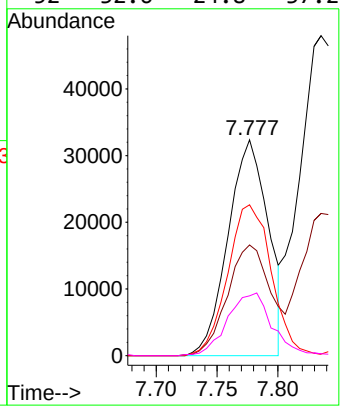


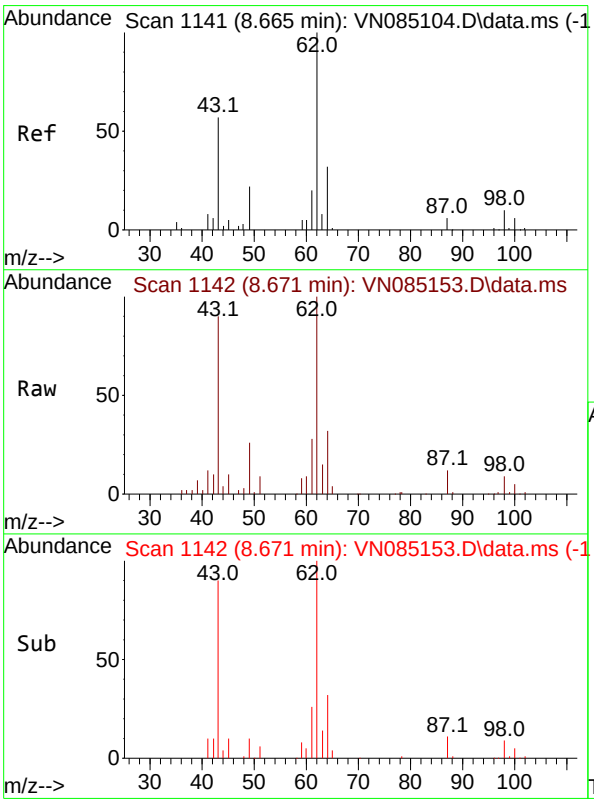
#41
Methacrylonitrile
Concen: 60.938 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 74288

Ion	Ratio	Lower	Upper
41	100		
39	56.4	42.6	63.8
67	76.1	59.9	89.9
52	32.6	24.8	37.2

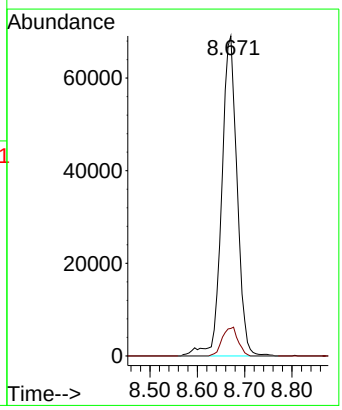


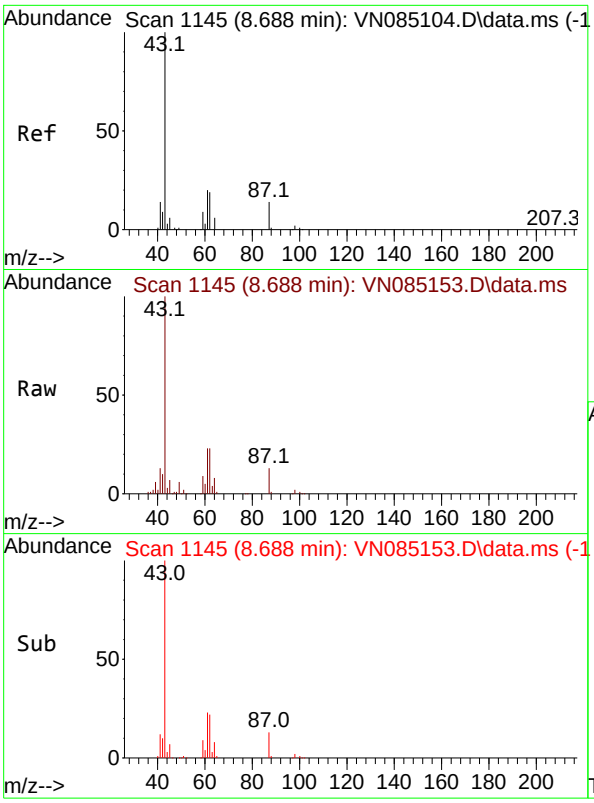


#42
1,2-Dichloroethane
Concen: 59.637 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 62 Resp: 156285

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2



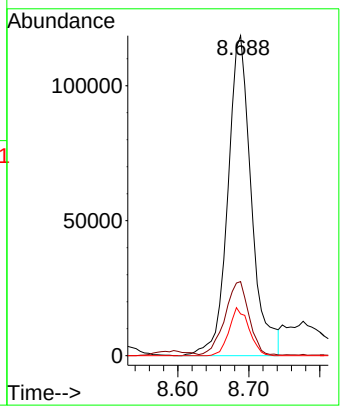


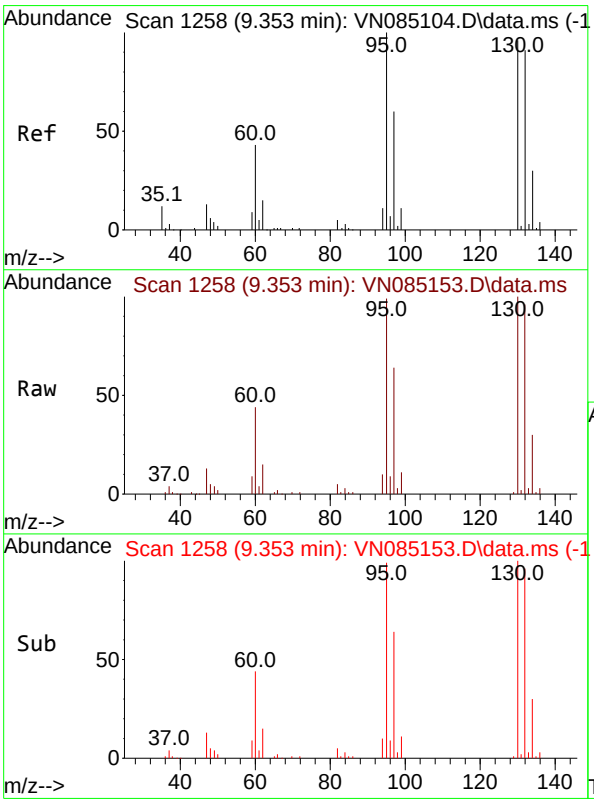
#43
Isopropyl Acetate
Concen: 59.842 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 273688

Ion	Ratio	Lower	Upper
43	100		
61	23.4	20.6	30.8
87	12.7	11.0	16.4

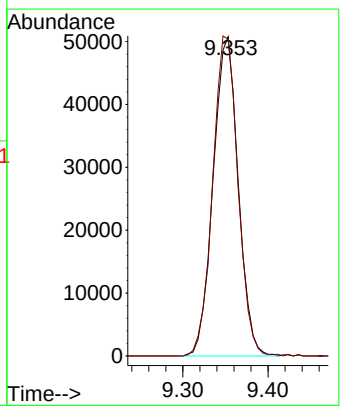


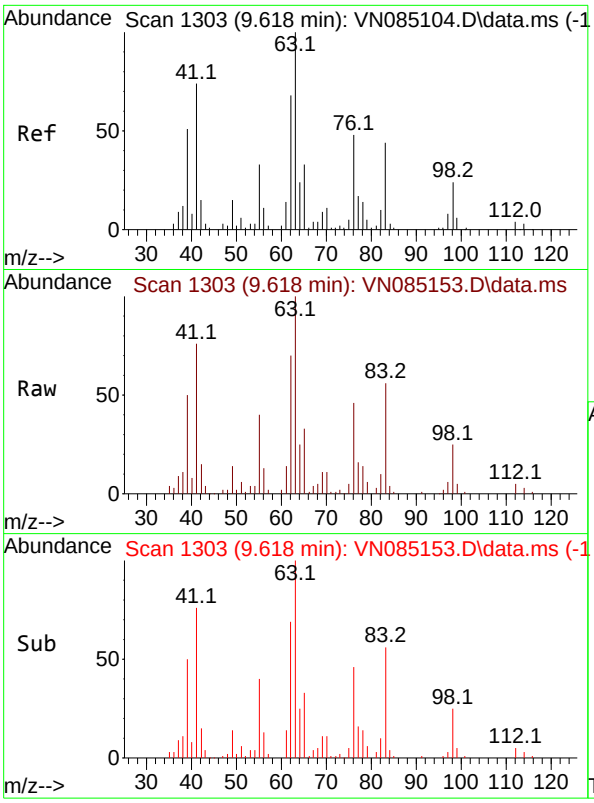


#44
Trichloroethene
Concen: 58.195 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:130 Resp: 103598

Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	213.4



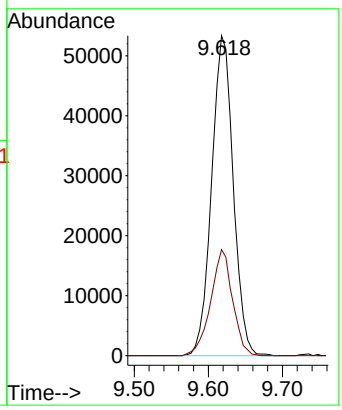


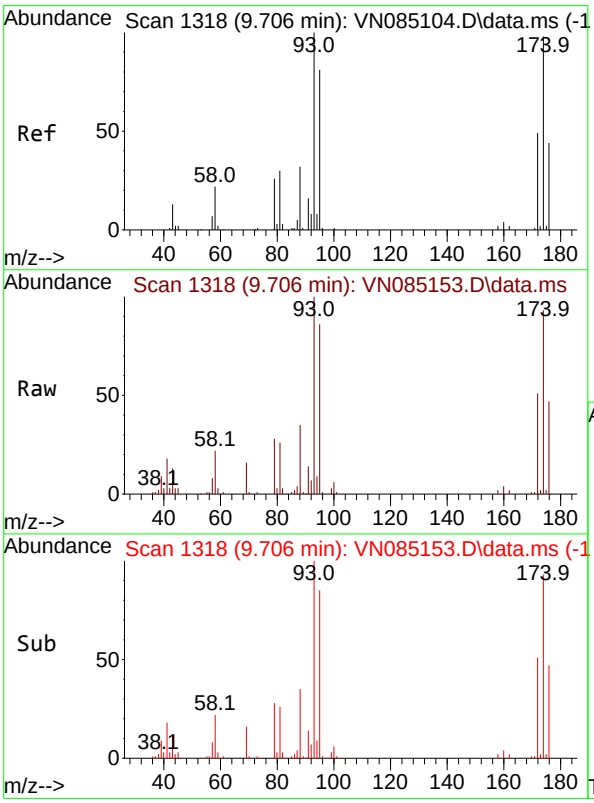
#45
1,2-Dichloropropane
Concen: 57.347 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 108197

Ion	Ratio	Lower	Upper
63	100		
65	33.2	24.0	36.0

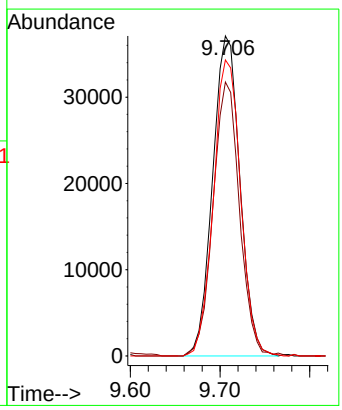


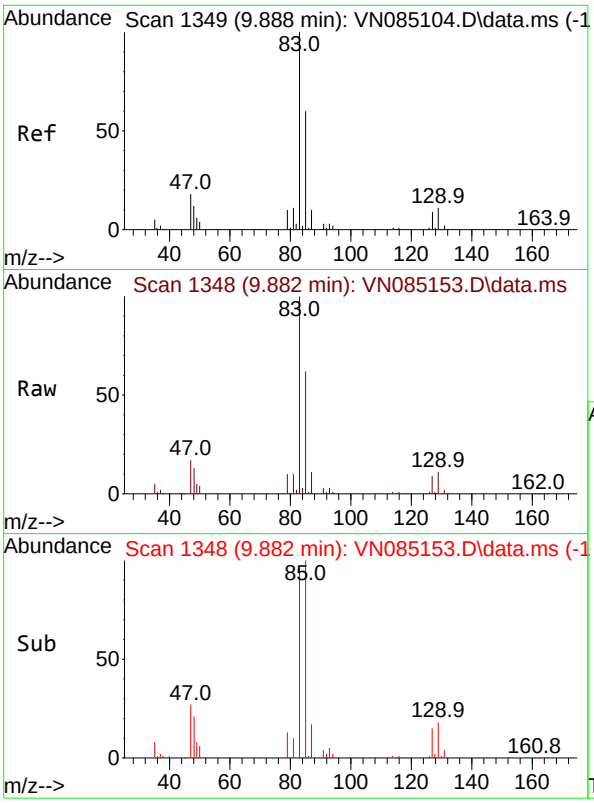


#46
Dibromomethane
Concen: 59.757 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 93 Resp: 78342

Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.2	99.4
174	92.3	74.9	112.3



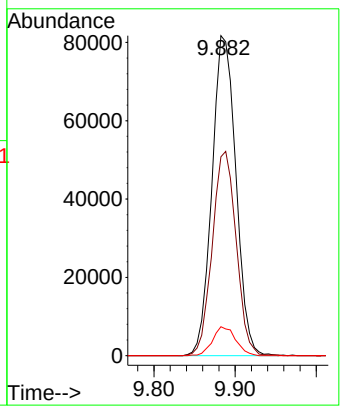


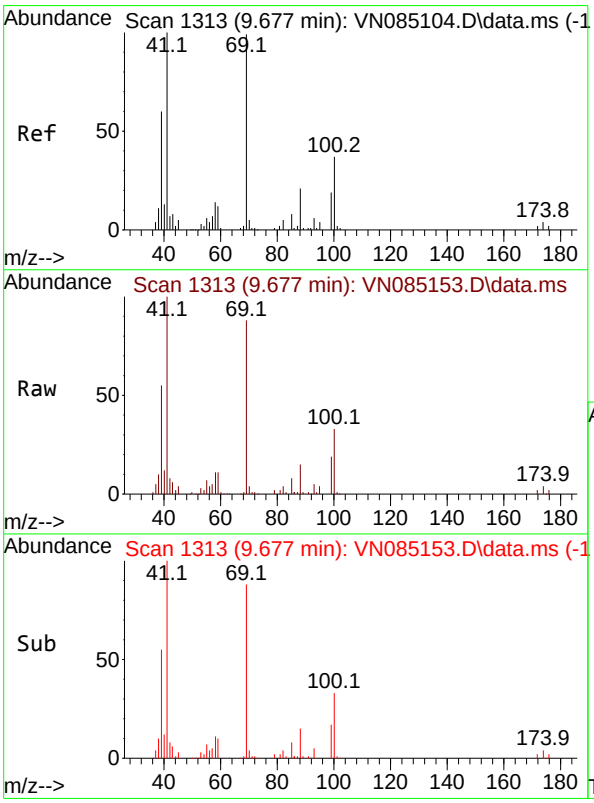
#47
Bromodichloromethane
Concen: 60.258 ug/l
RT: 9.882 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 167432

Ion	Ratio	Lower	Upper
83	100		
85	62.2	50.5	75.7
127	9.0	7.1	10.7

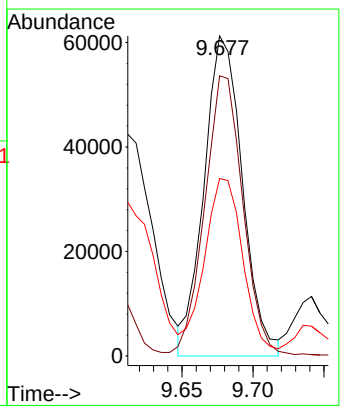


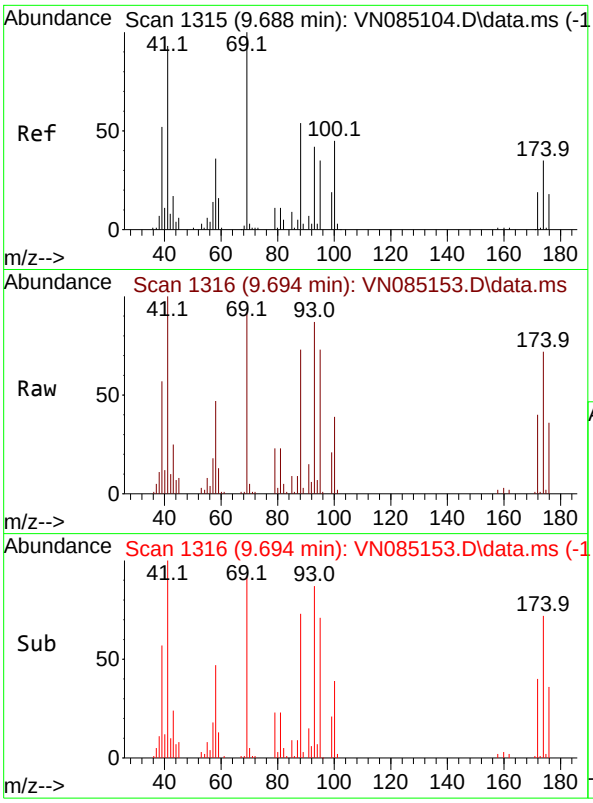


#48
Methyl methacrylate
Concen: 67.720 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 41 Resp: 115253

Ion	Ratio	Lower	Upper
41	100		
69	87.7	73.2	109.8
39	56.4	46.2	69.4



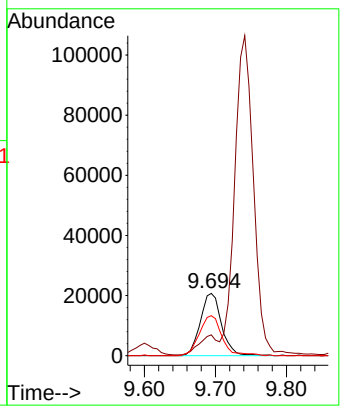


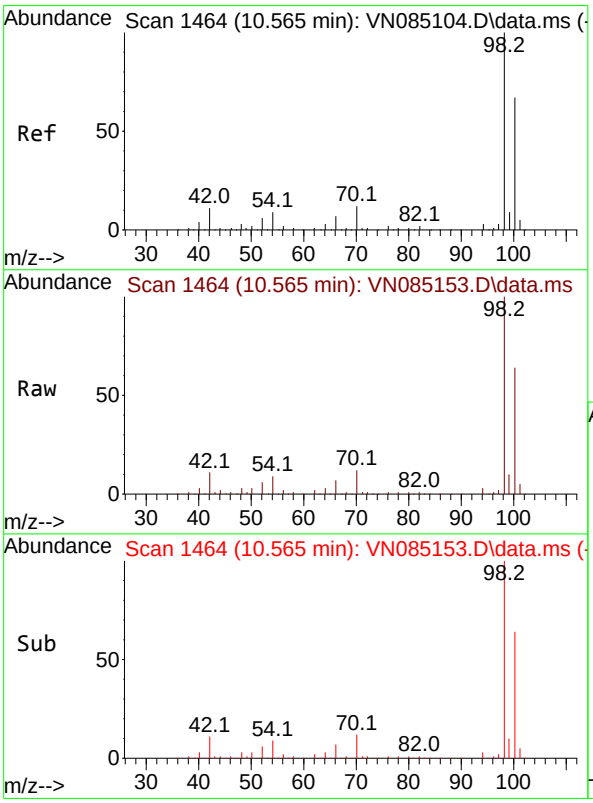
#49
1,4-Dioxane
Concen: 1457.126 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 43006

Ion	Ratio	Lower	Upper
88	100		
43	28.5	16.7	25.1#
58	68.4	56.5	84.7

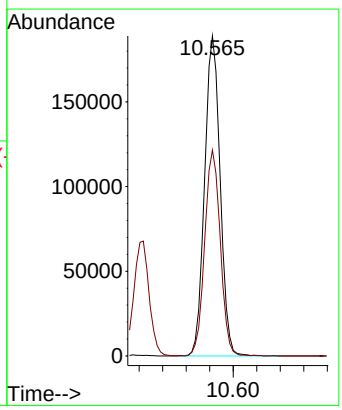


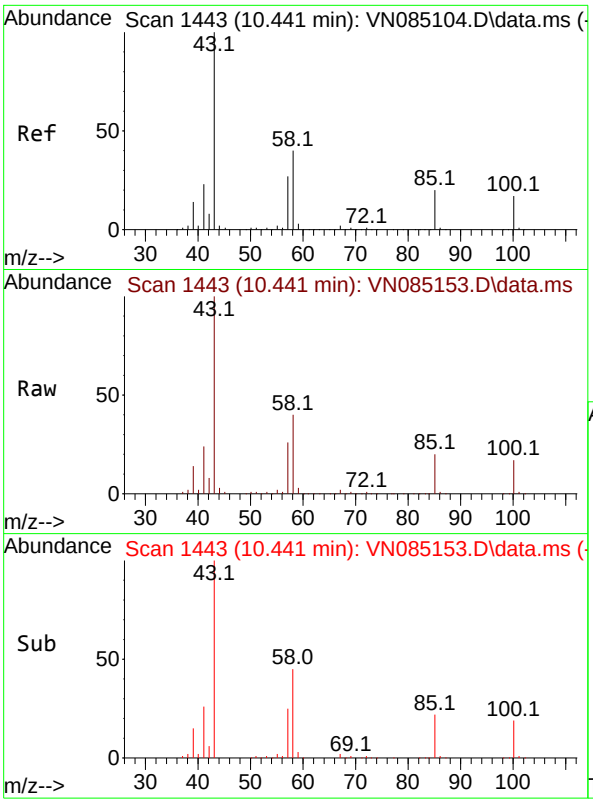


#50
Toluene-d8
Concen: 53.987 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 98 Resp: 345955

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.5	78.7



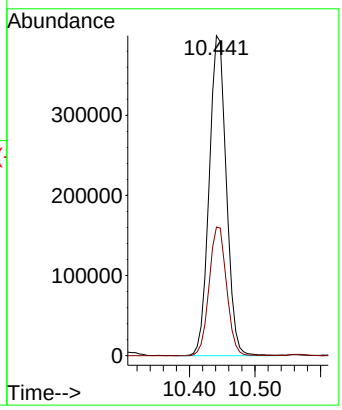


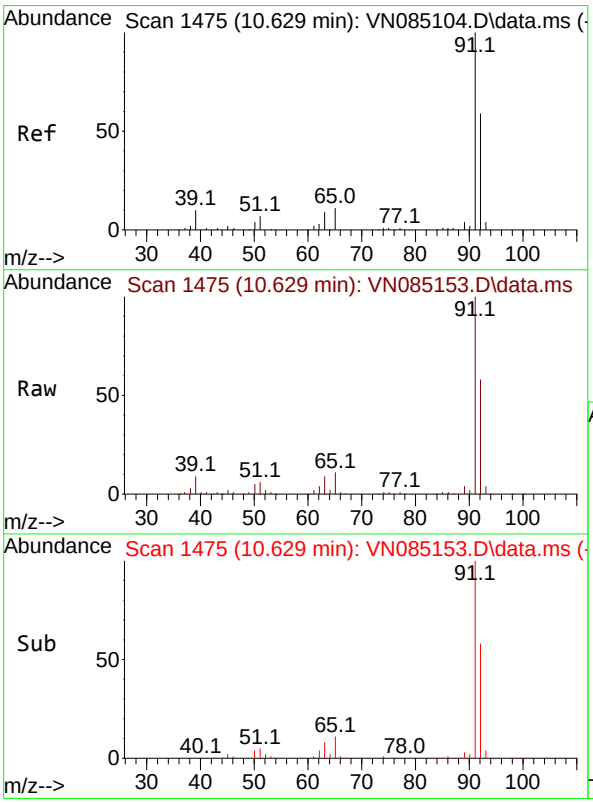
#51
4-Methyl-2-Pentanone
Concen: 347.299 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 725499

Ion	Ratio	Lower	Upper
43	100		
58	40.9	32.1	48.1

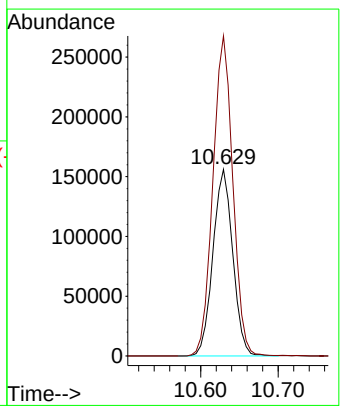


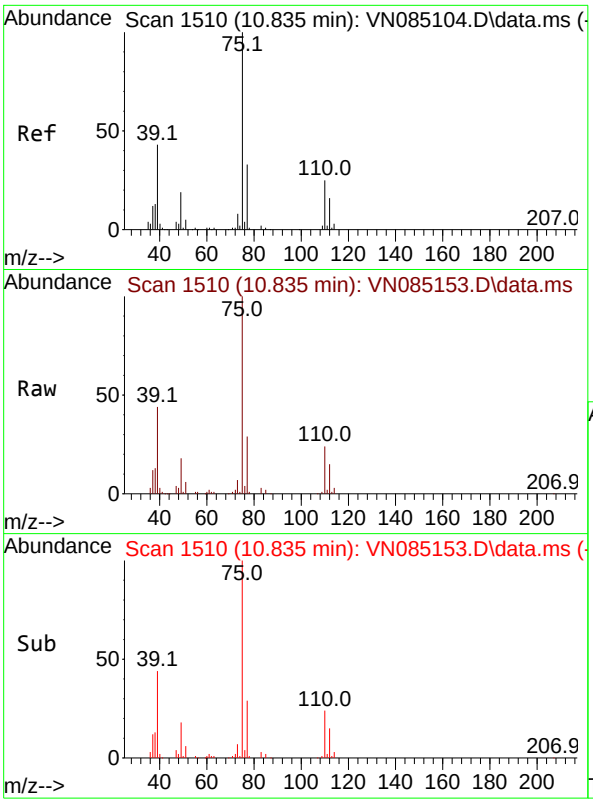


#52
Toluene
Concen: 61.119 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 92 Resp: 277164

Ion	Ratio	Lower	Upper
92	100		
91	172.7	136.7	205.1



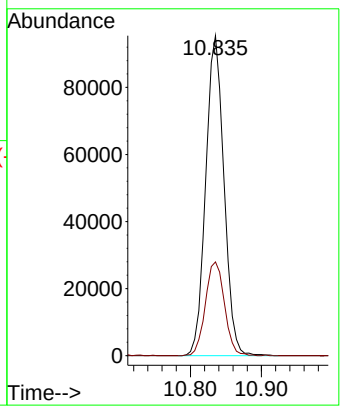


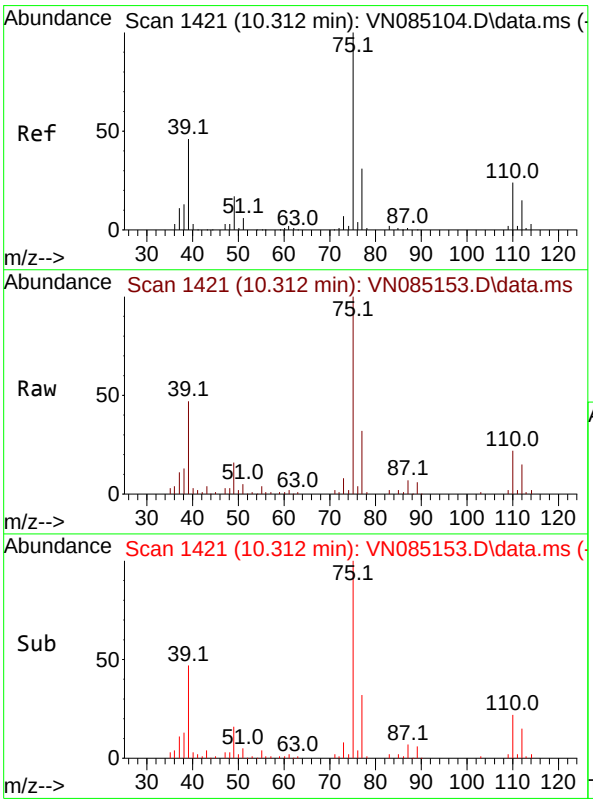
#53
t-1,3-Dichloropropene
Concen: 61.118 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 170255

Ion	Ratio	Lower	Upper
75	100		
77	29.3	25.0	37.4

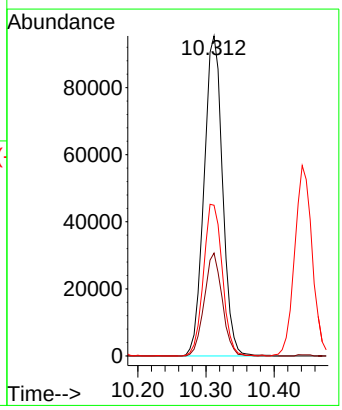


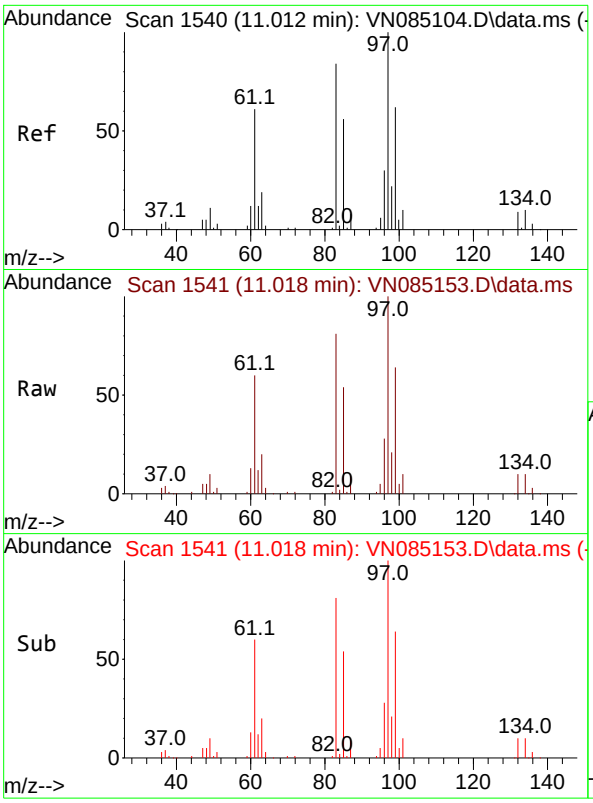


#54
cis-1,3-Dichloropropene
Concen: 60.963 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 75 Resp: 180164

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.0	37.4
39	47.1	37.6	56.4



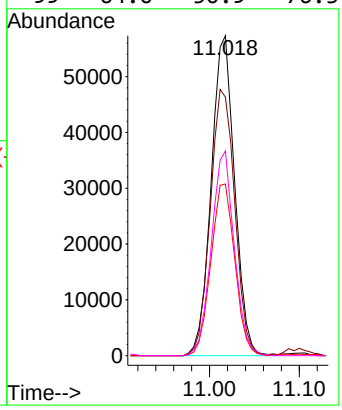


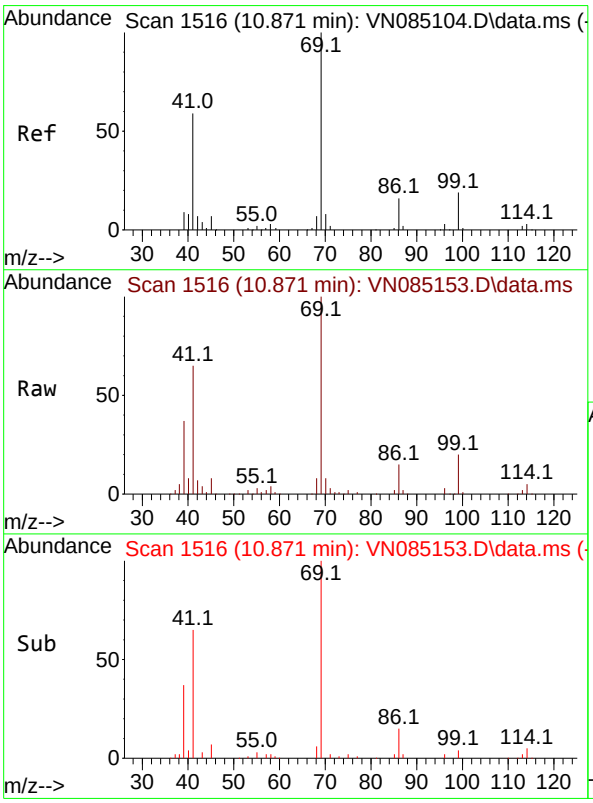
#55
1,1,2-Trichloroethane
Concen: 61.496 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 103873

Ion	Ratio	Lower	Upper
97	100		
83	80.8	67.4	101.2
85	53.7	43.1	64.7
99	64.0	50.9	76.3

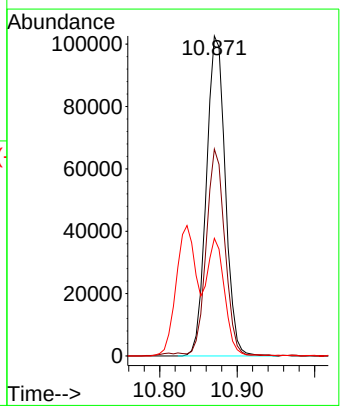


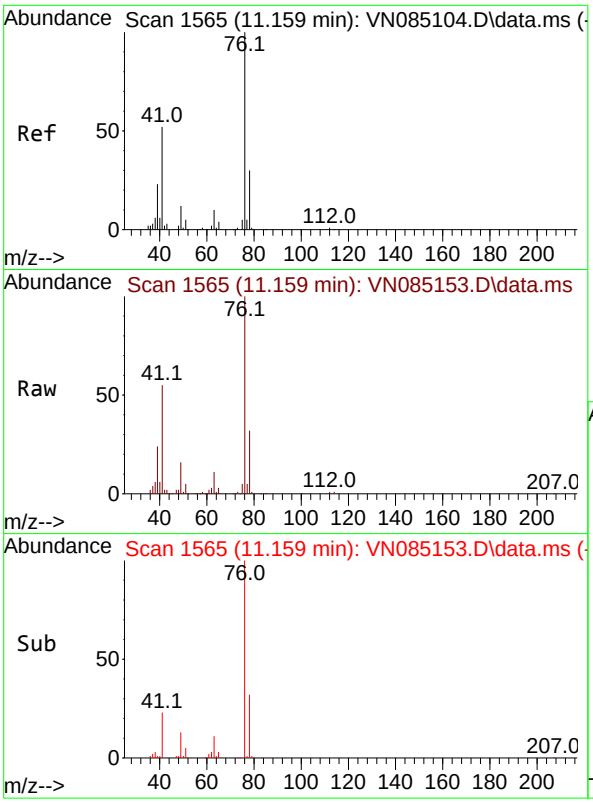


#56
Ethyl methacrylate
Concen: 70.497 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 69 Resp: 174001

Ion	Ratio	Lower	Upper
69	100		
41	63.7	50.0	75.0
39	34.9	27.0	40.6



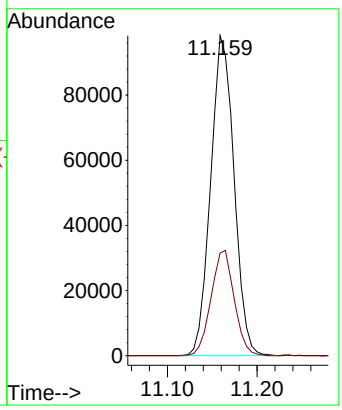


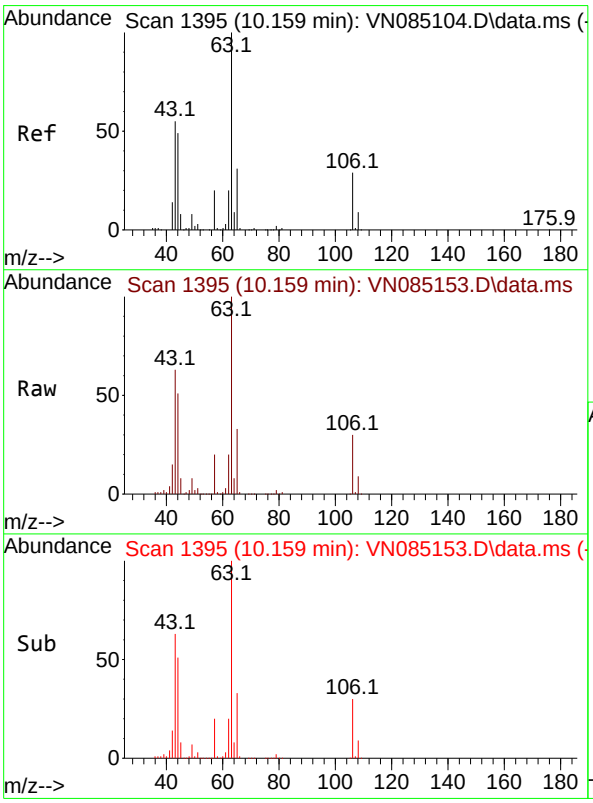
#57
1,3-Dichloropropane
Concen: 59.747 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 177618

Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.1	39.1

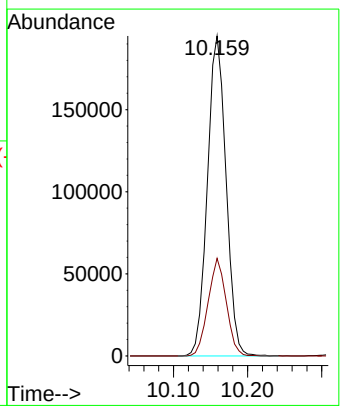


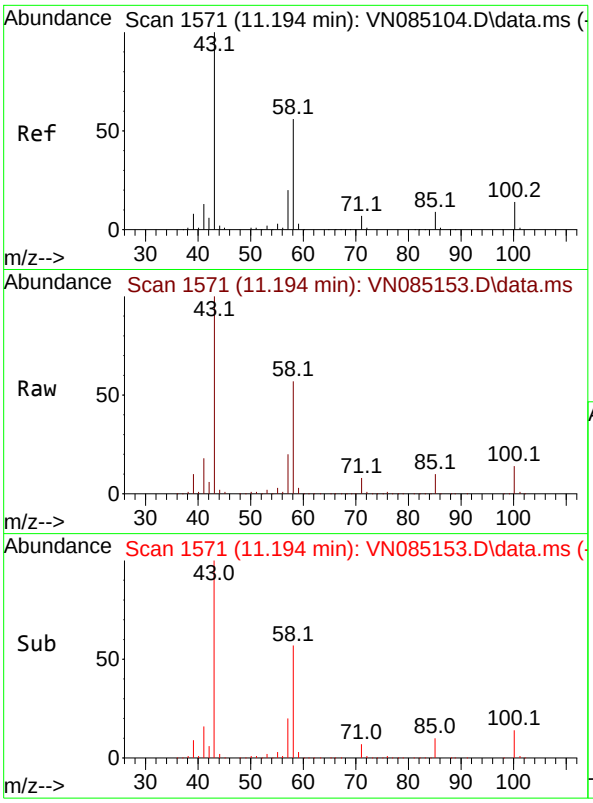


#58
2-Chloroethyl Vinyl ether
Concen: 280.990 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 63 Resp: 340202

Ion	Ratio	Lower	Upper
63	100		
106	29.7	23.0	34.6



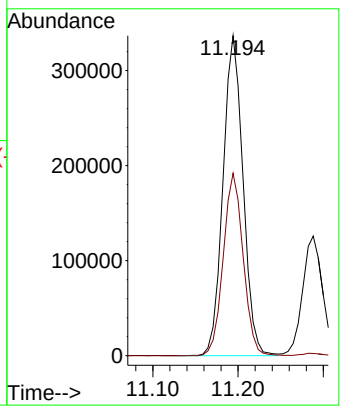


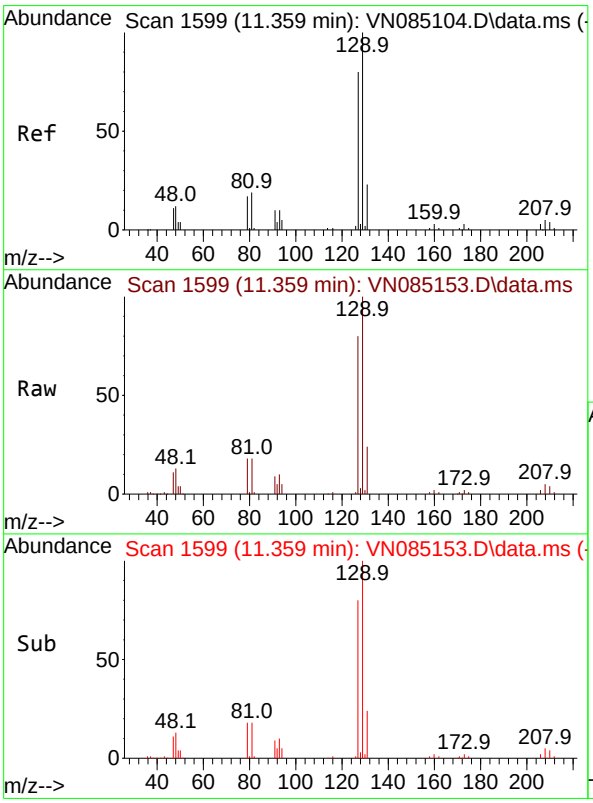
#59
2-Hexanone
Concen: 351.625 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 549363

Ion	Ratio	Lower	Upper
43	100		
58	56.6	28.3	85.0

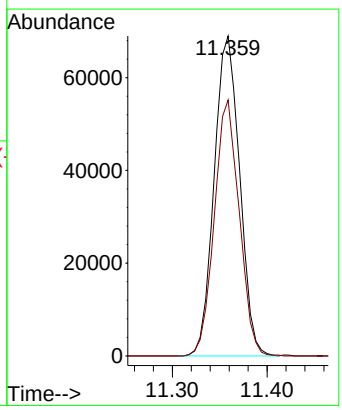


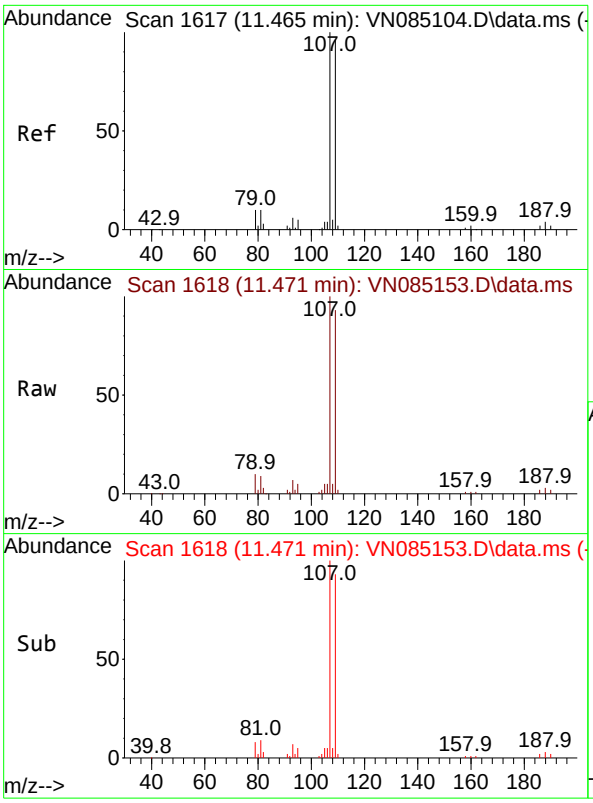


#60
Dibromochloromethane
Concen: 62.448 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:129 Resp: 128913

Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.2	117.6



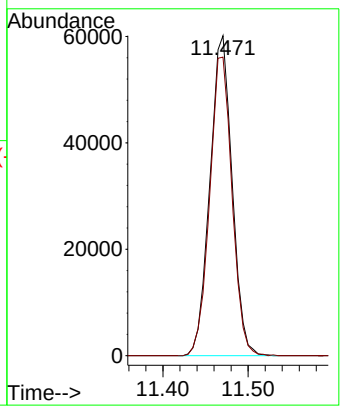


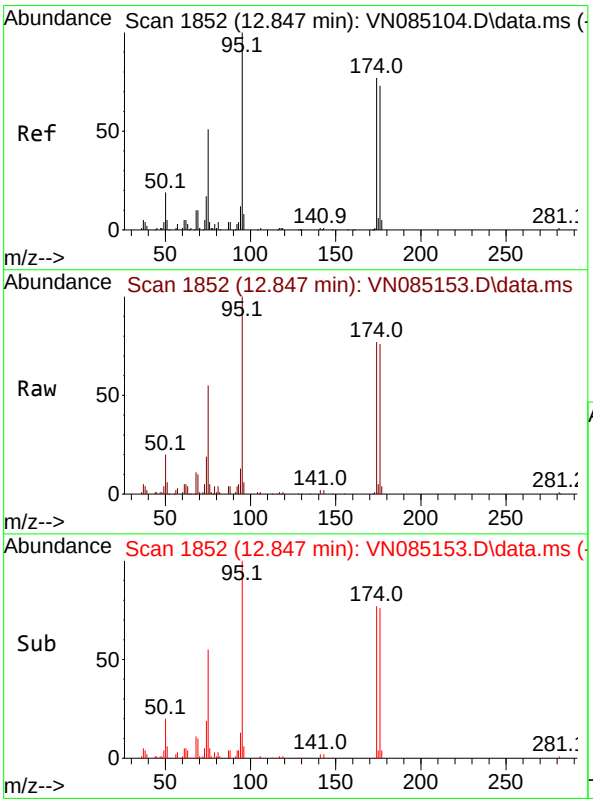
#61
1,2-Dibromoethane
Concen: 62.224 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 108774

Ion	Ratio	Lower	Upper
107	100		
109	94.0	76.1	114.1

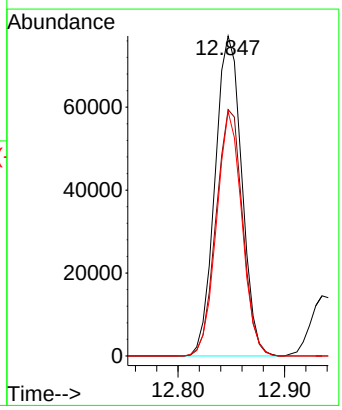


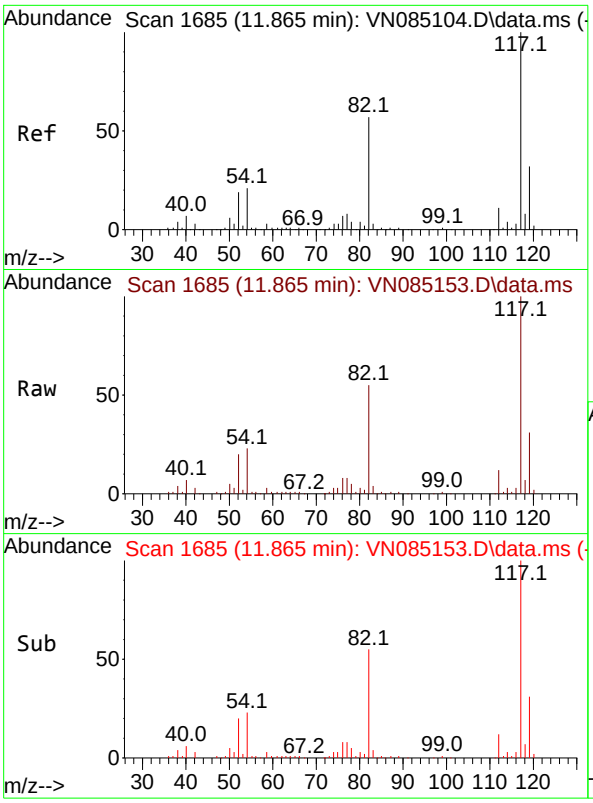


#62
4-Bromofluorobenzene
Concen: 56.039 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 95 Resp: 134293

Ion	Ratio	Lower	Upper
95	100		
174	76.6	0.0	146.6
176	72.8	0.0	141.8



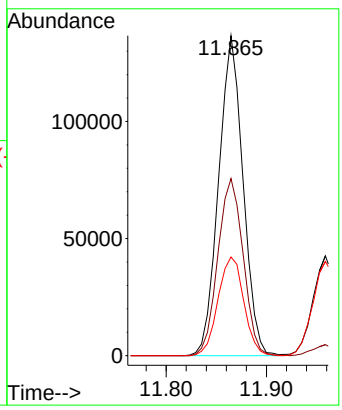


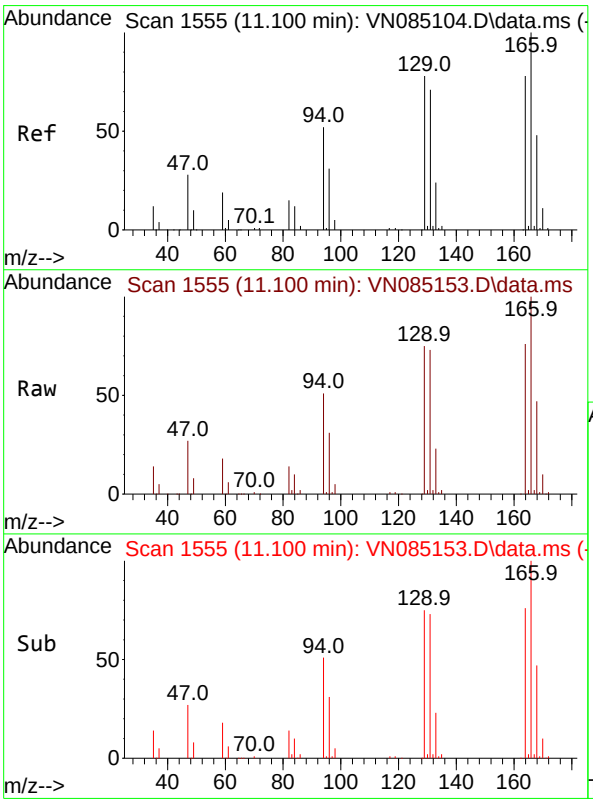
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 230771

Ion	Ratio	Lower	Upper
117	100		
82	55.3	46.0	69.0
119	30.9	25.6	38.4

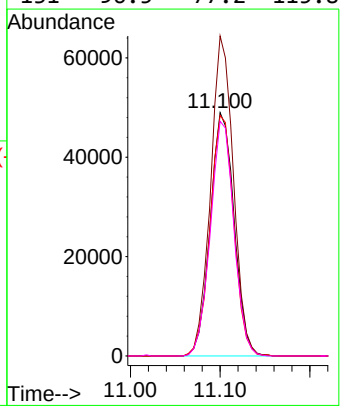


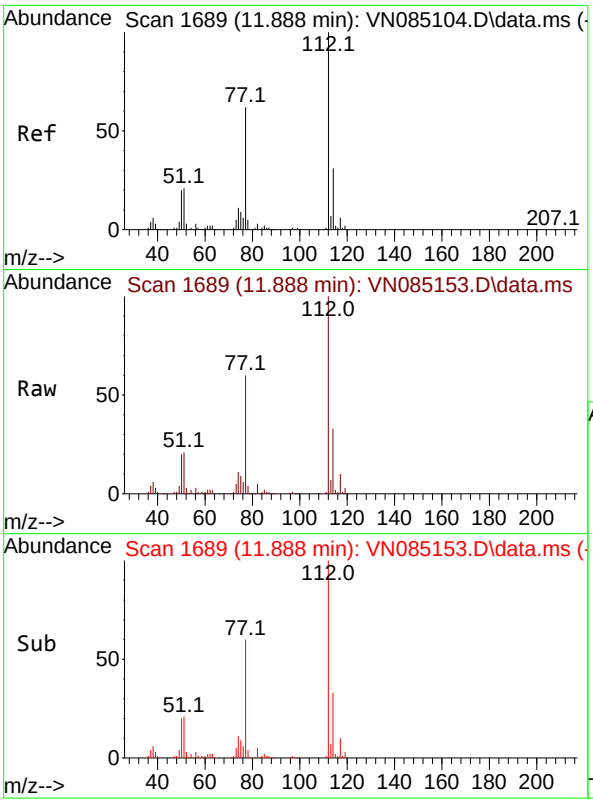


#64
Tetrachloroethene
Concen: 58.408 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:164 Resp: 90824

Ion	Ratio	Lower	Upper
164	100		
166	131.5	100.6	151.0
129	98.8	77.7	116.5
131	96.5	77.2	115.8



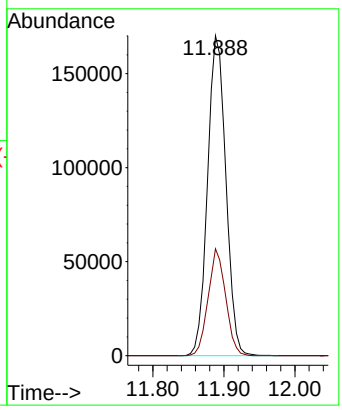


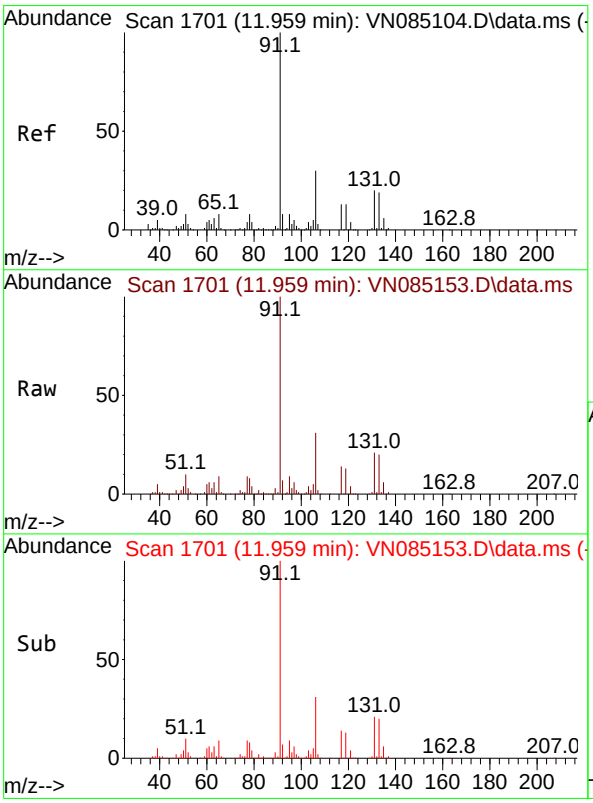
#65
Chlorobenzene
Concen: 58.266 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 304940

Ion	Ratio	Lower	Upper
112	100		
114	33.4	25.8	38.6

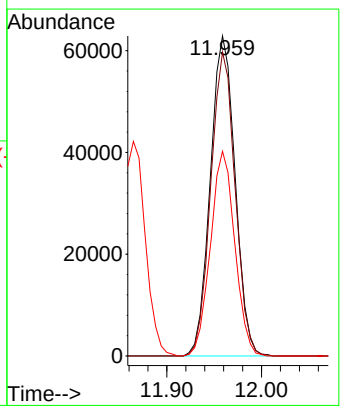


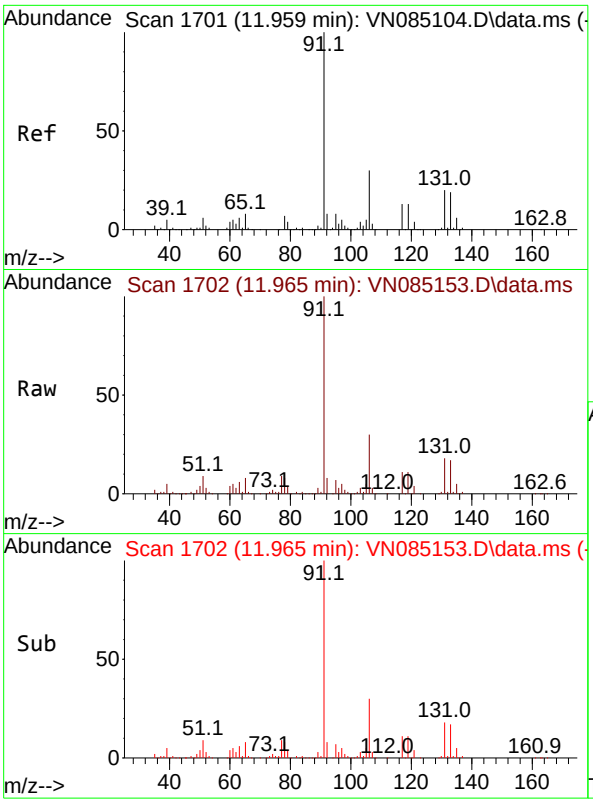


#66
1,1,1,2-Tetrachloroethane
Concen: 61.967 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:131 Resp: 114186

Ion	Ratio	Lower	Upper
131	100		
133	93.5	47.8	143.4
119	62.9	32.1	96.3



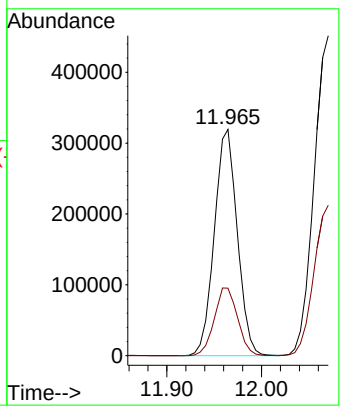


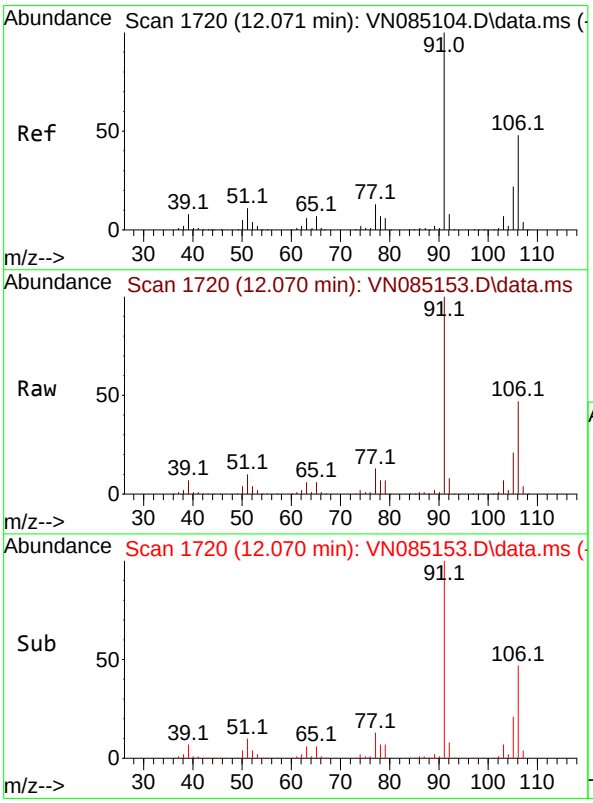
#67
Ethyl Benzene
Concen: 63.337 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 537789

Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.7	37.1

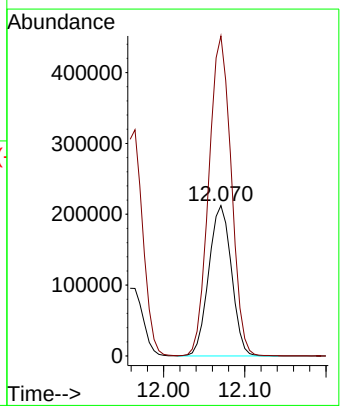


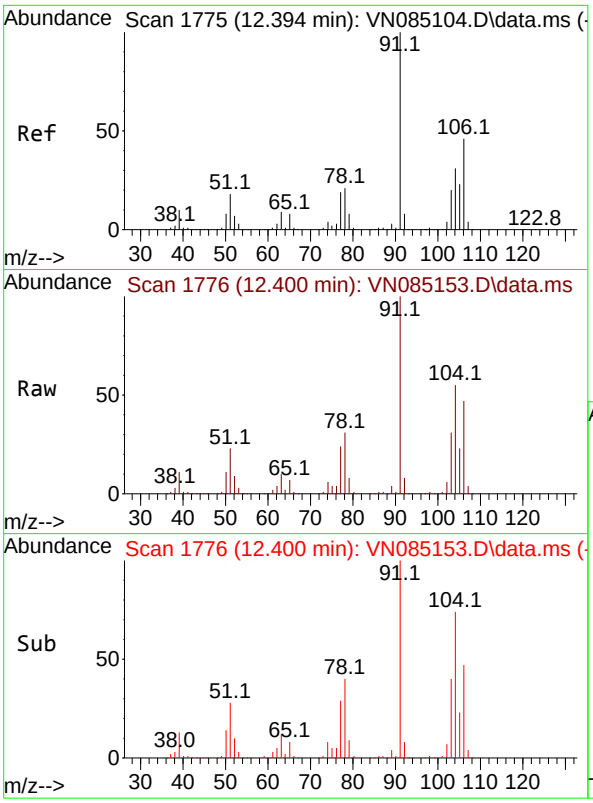


#68
m/p-Xylenes
Concen: 127.766 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:106 Resp: 413021

Ion	Ratio	Lower	Upper
106	100		
91	210.4	168.0	252.0



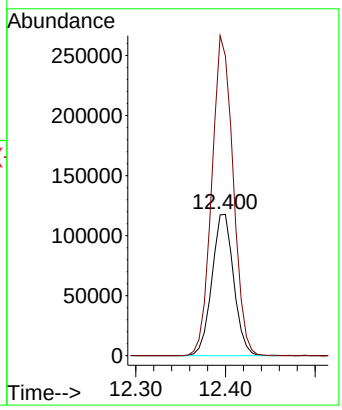


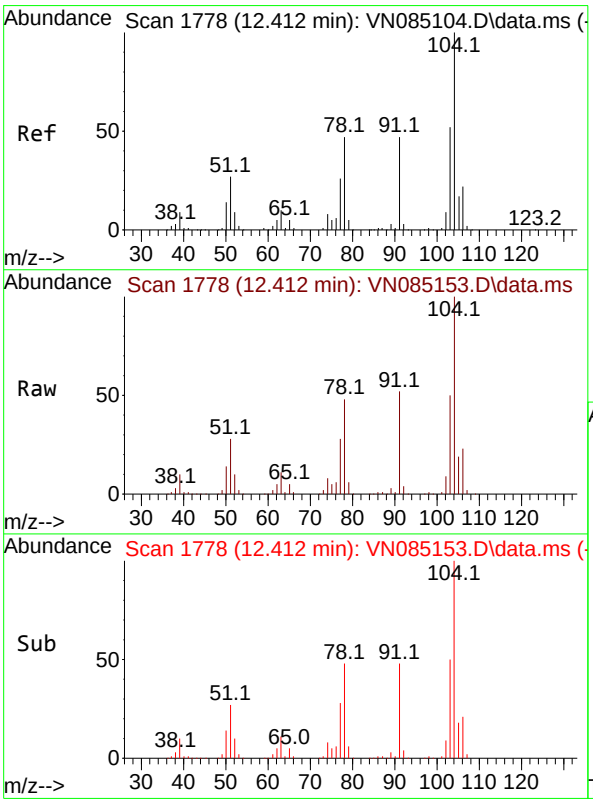
#69
o-Xylene
Concen: 64.428 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 198117

Ion	Ratio	Lower	Upper
106	100		
91	222.5	110.7	331.9

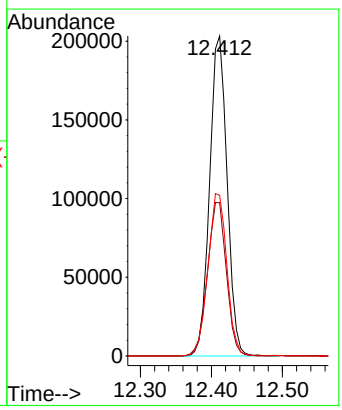


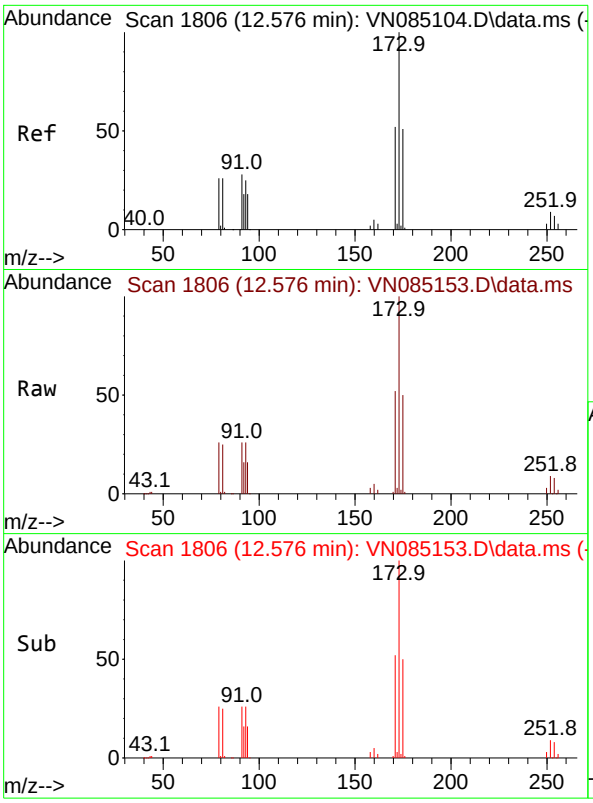


#70
Styrene
Concen: 67.883 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:104 Resp: 347132

Ion	Ratio	Lower	Upper
104	100		
78	52.1	42.3	63.5
103	54.9	44.2	66.2



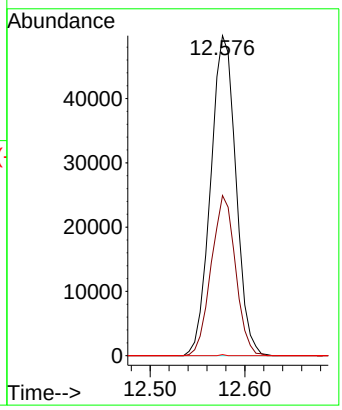


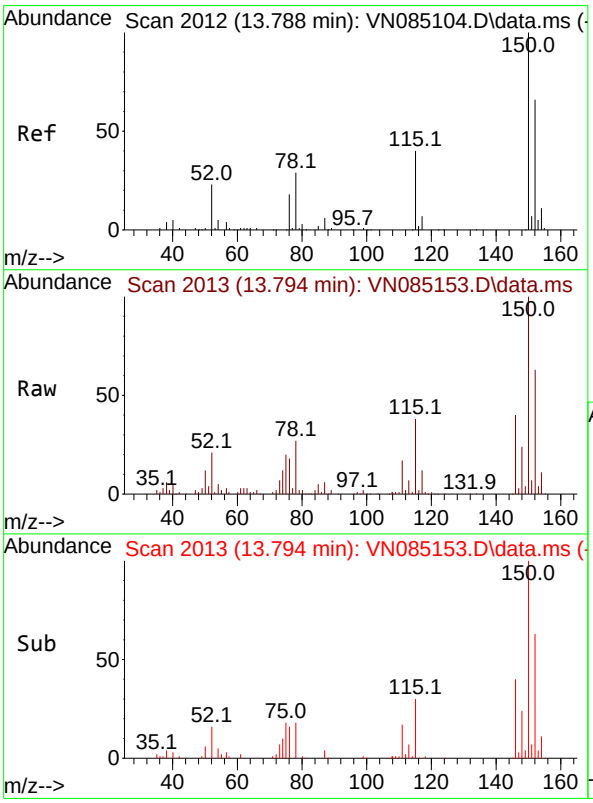
#71
Bromoform
Concen: 67.320 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 92080

Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.8	71.2
254	0.1	0.0	0.0#

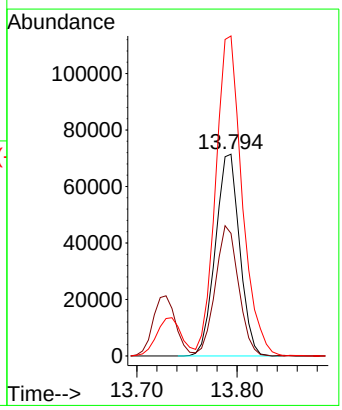


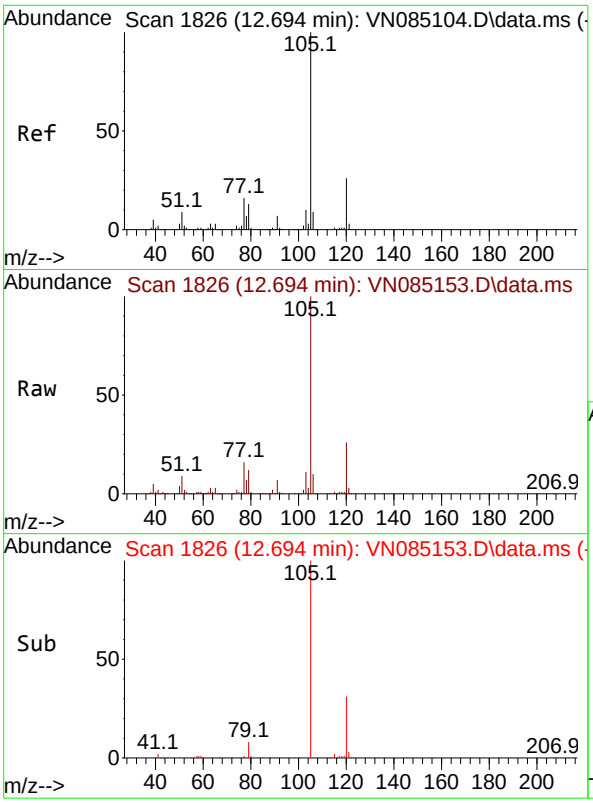


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:152 Resp: 119527

Ion	Ratio	Lower	Upper
152	100		
115	62.1	31.7	95.1
150	172.2	0.0	351.4



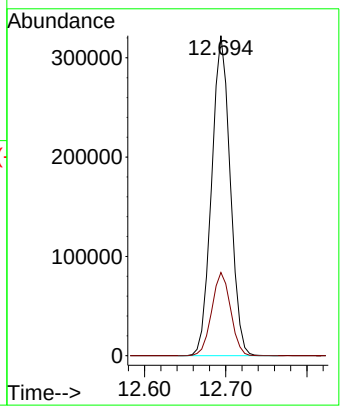


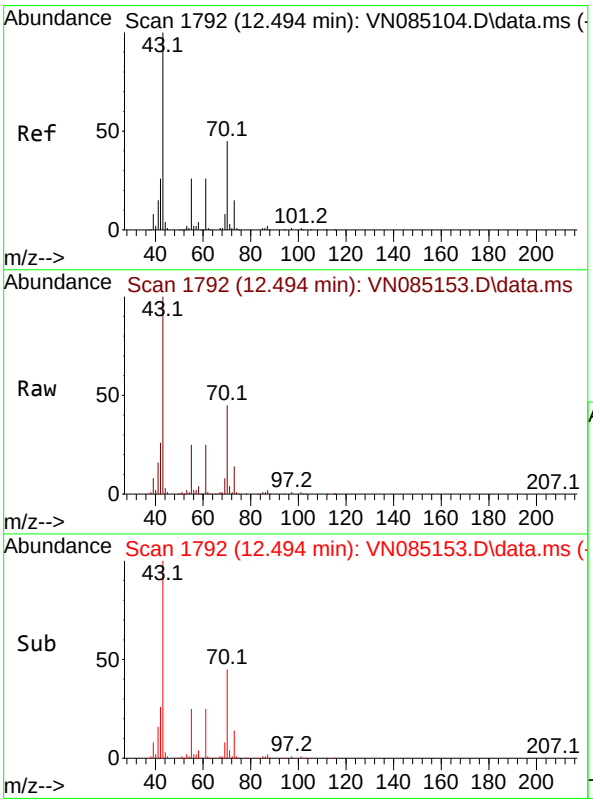
#73
Isopropylbenzene
Concen: 60.785 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 512549

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.0	39.0

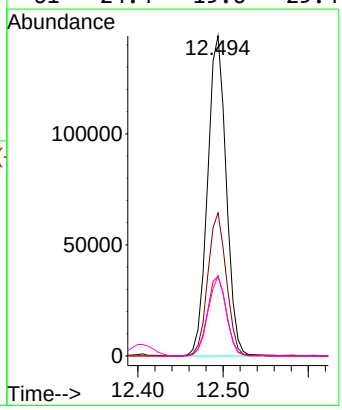


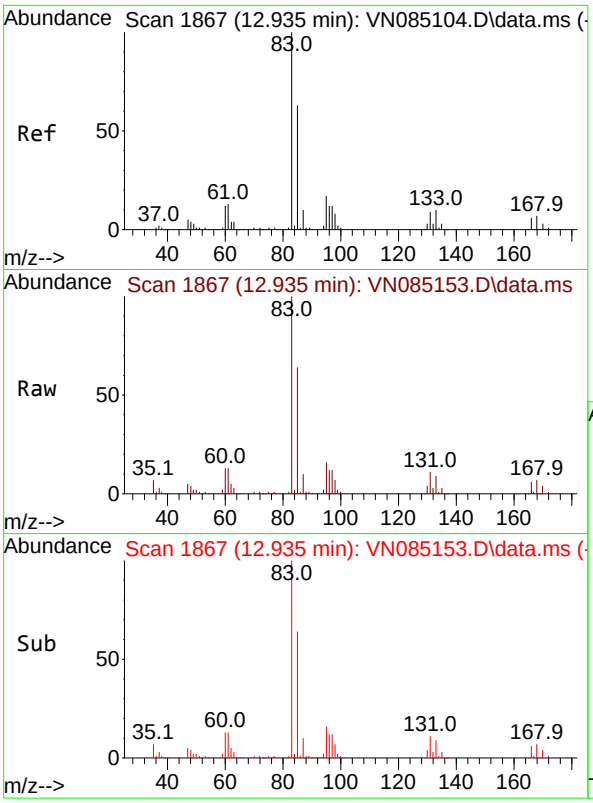


#74
N-amyl acetate
Concen: 63.094 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 43 Resp: 219231

Ion	Ratio	Lower	Upper
43	100		
70	44.4	34.6	51.8
55	25.4	20.5	30.7
61	24.4	19.6	29.4



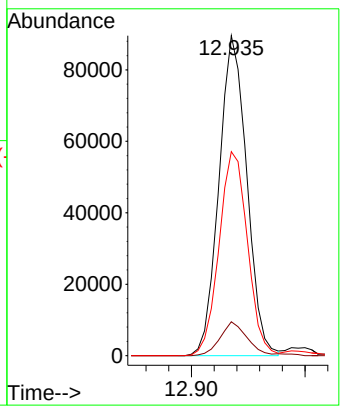


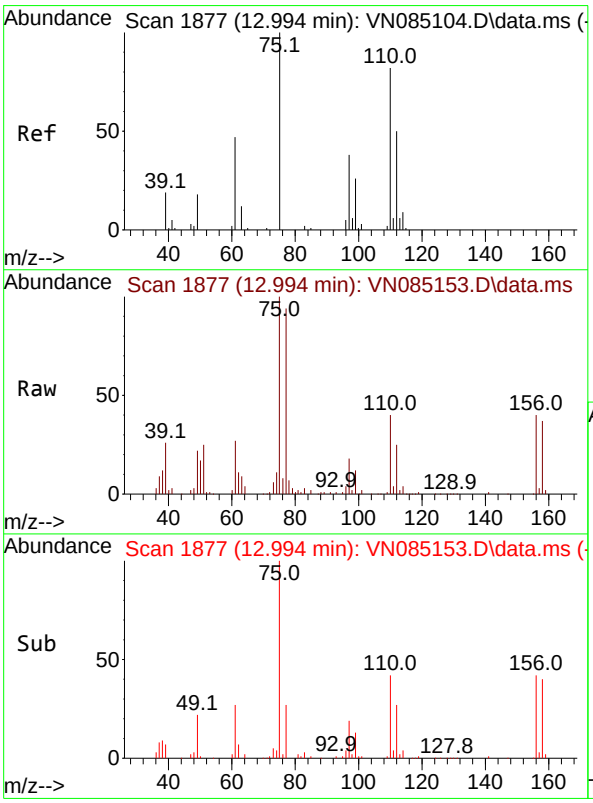
#75
1,1,2,2-Tetrachloroethane
Concen: 52.916 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 152365

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.4
85	65.1	32.1	96.3

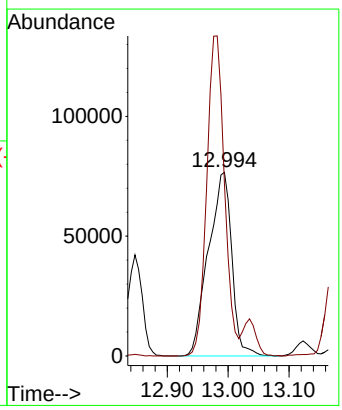


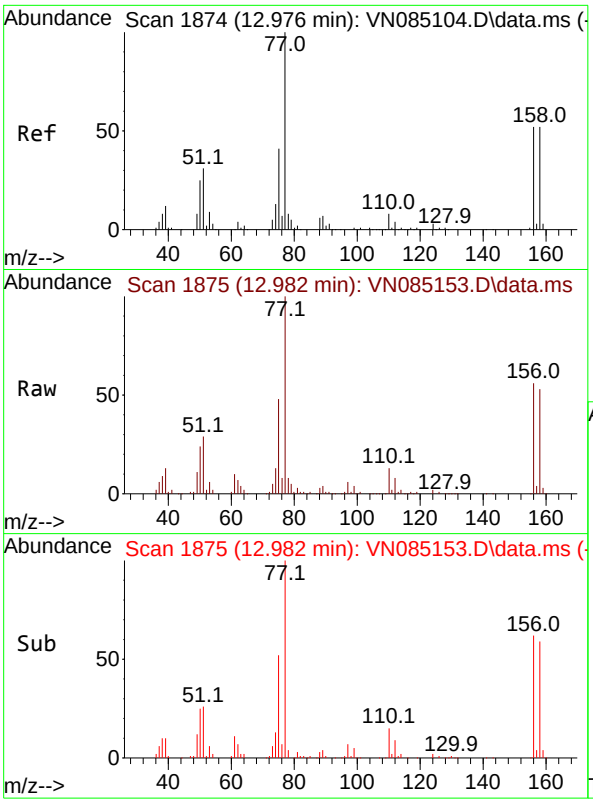


#76
1,2,3-Trichloropropane
Concen: 93.860 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 75 Resp: 204062

Ion	Ratio	Lower	Upper
75	100		
77	132.7	109.1	327.4



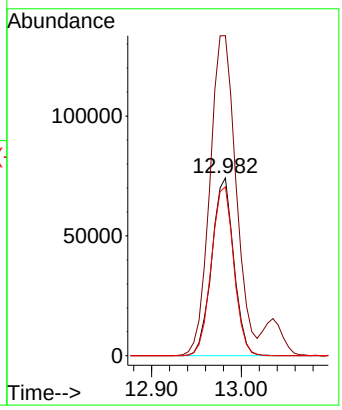


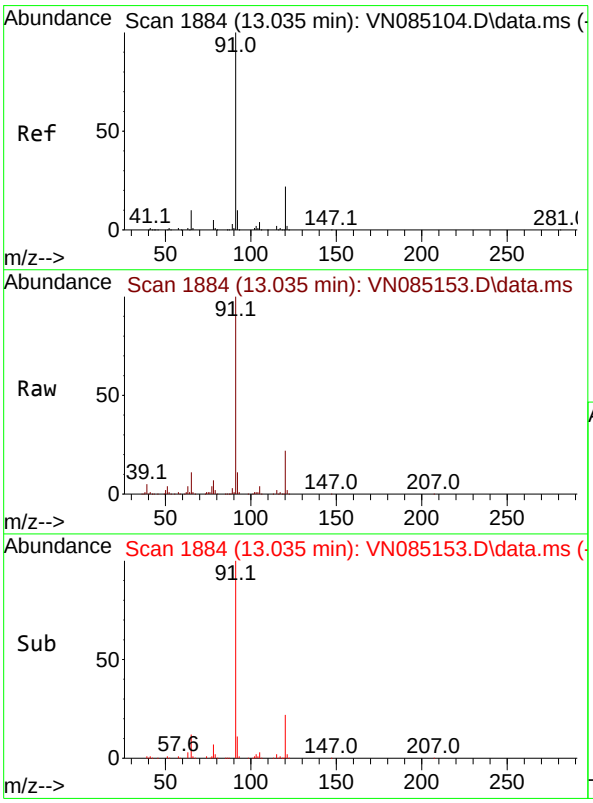
#77
Bromobenzene
Concen: 55.620 ug/l
RT: 12.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 126211

Ion	Ratio	Lower	Upper
156	100		
77	214.5	107.2	321.6
158	96.7	48.5	145.6

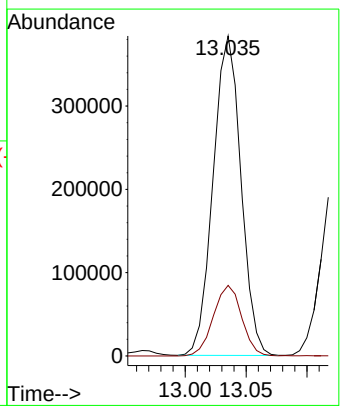


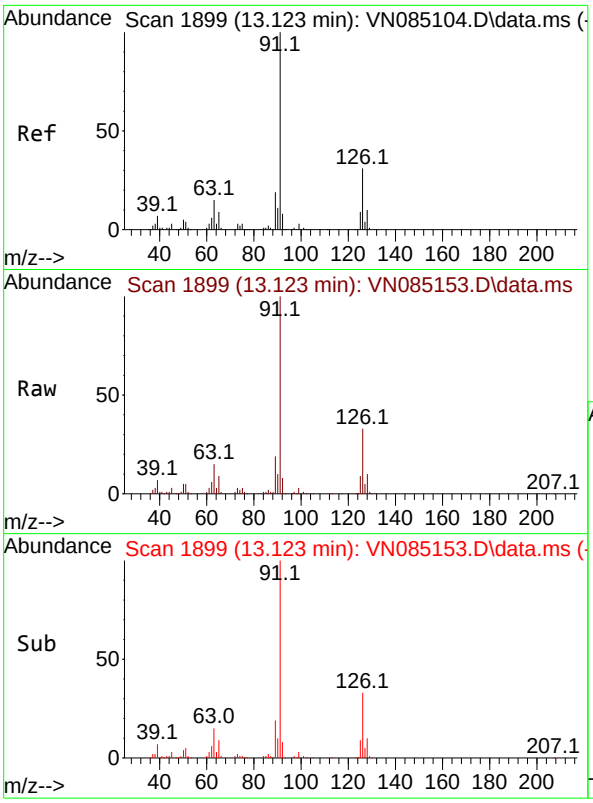


#78
n-propylbenzene
Concen: 62.752 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 91 Resp: 610311

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.9



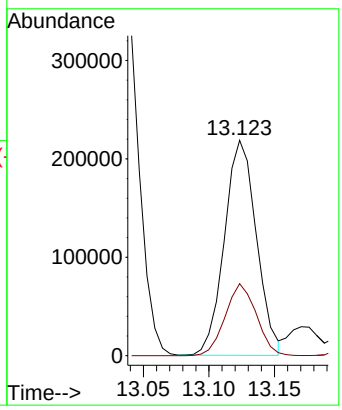


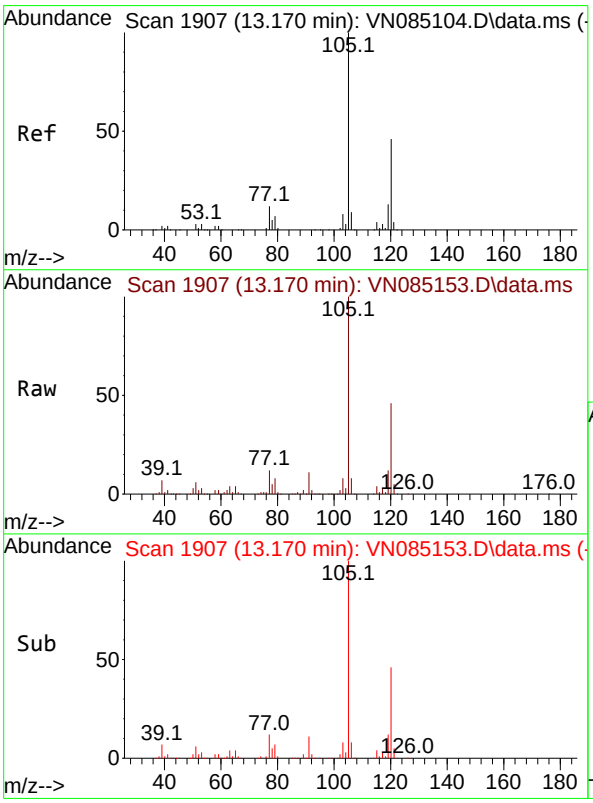
#79
2-Chlorotoluene
Concen: 57.227 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 371546

Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.1	48.3

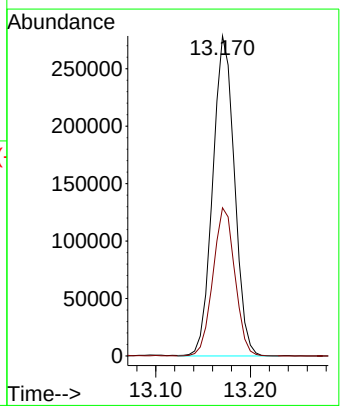


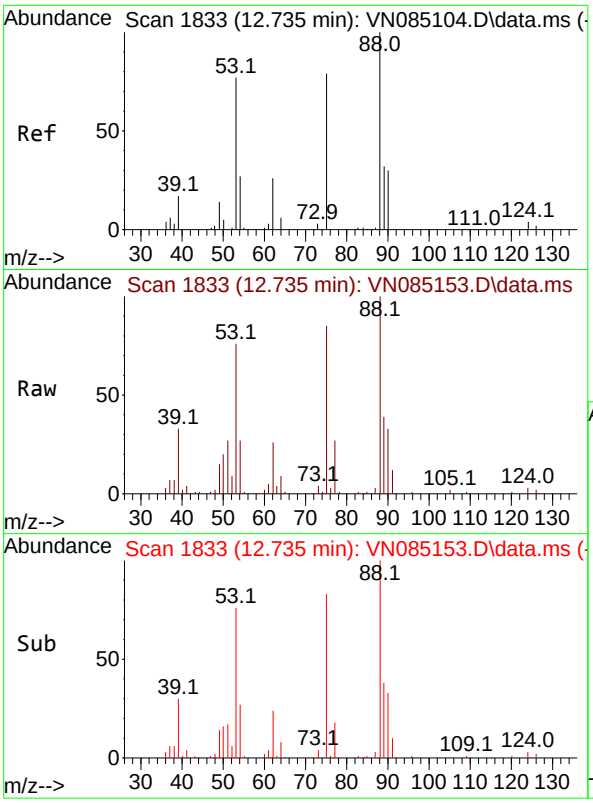


#80
1,3,5-Trimethylbenzene
Concen: 62.790 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:105 Resp: 444282

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.6	71.0



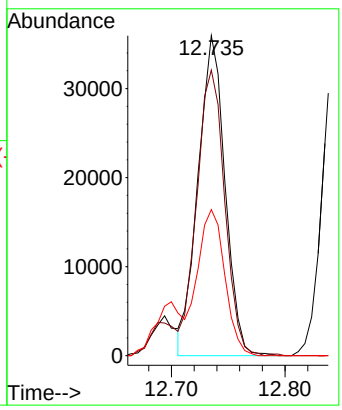


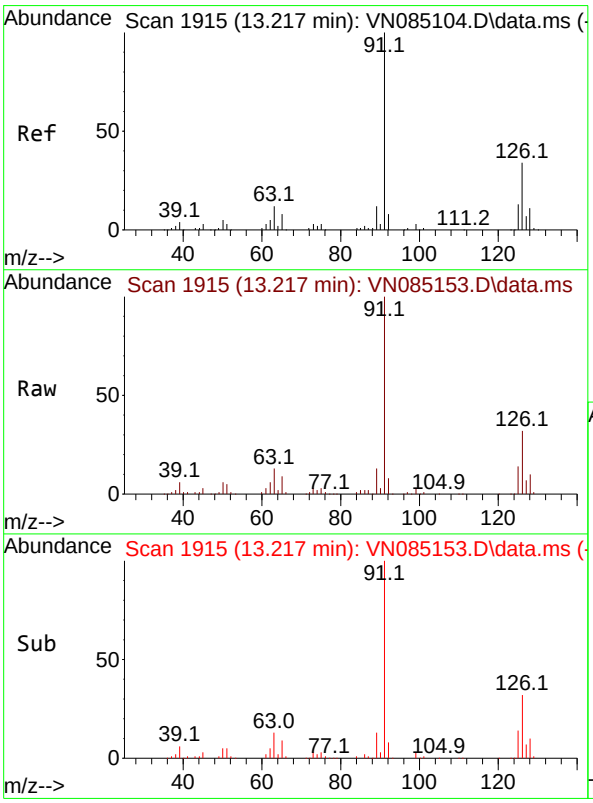
#81
trans-1,4-Dichloro-2-butene
Concen: 60.338 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 59423

Ion	Ratio	Lower	Upper
75	100		
53	92.2	78.2	117.4
89	46.0	37.9	56.9

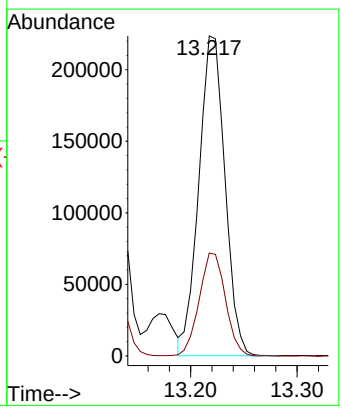


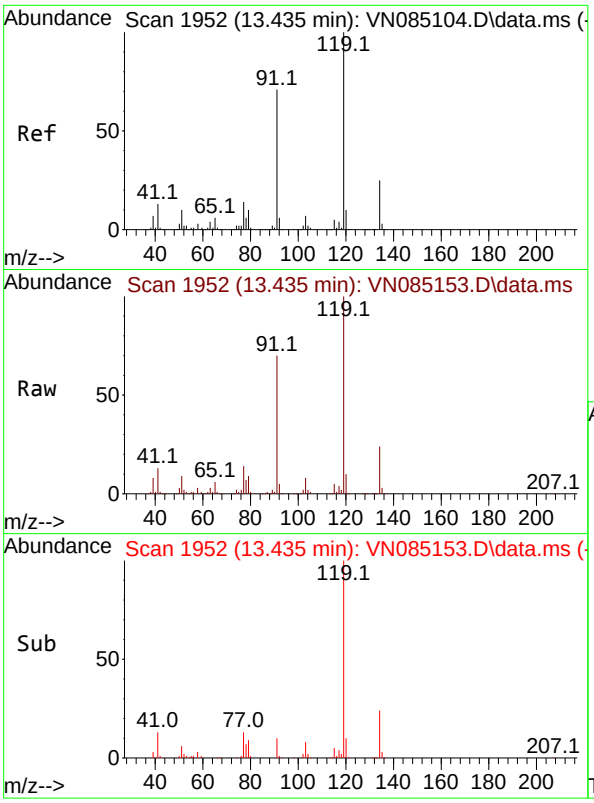


#82
4-Chlorotoluene
Concen: 56.362 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 91 Resp: 380936

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.1	48.3



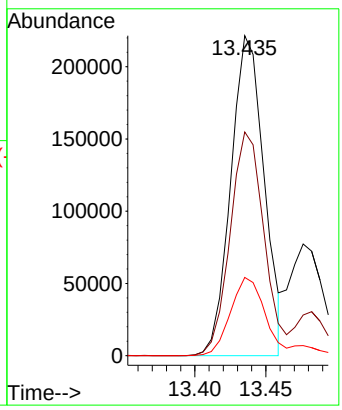


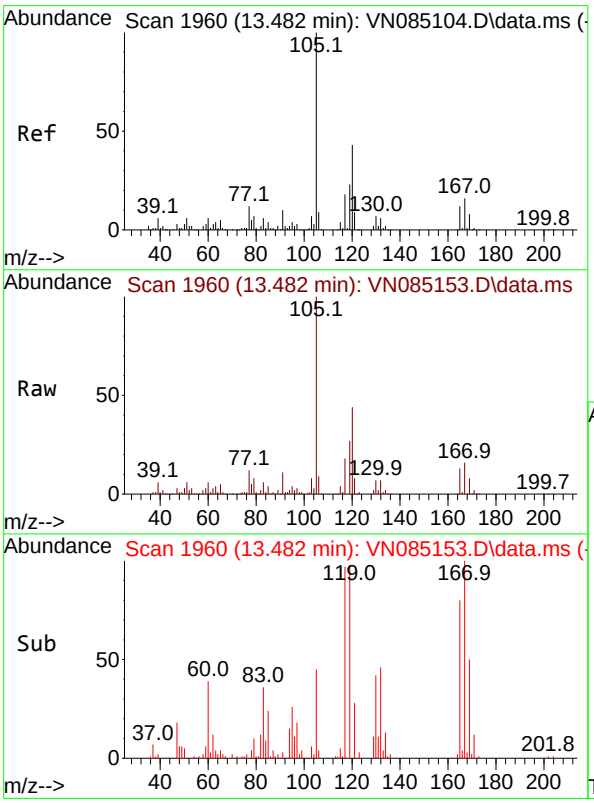
#83
tert-Butylbenzene
Concen: 59.272 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 360851

Ion	Ratio	Lower	Upper
119	100		
91	71.3	35.1	105.5
134	27.7	12.1	36.3

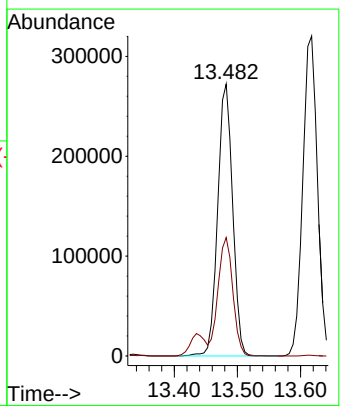


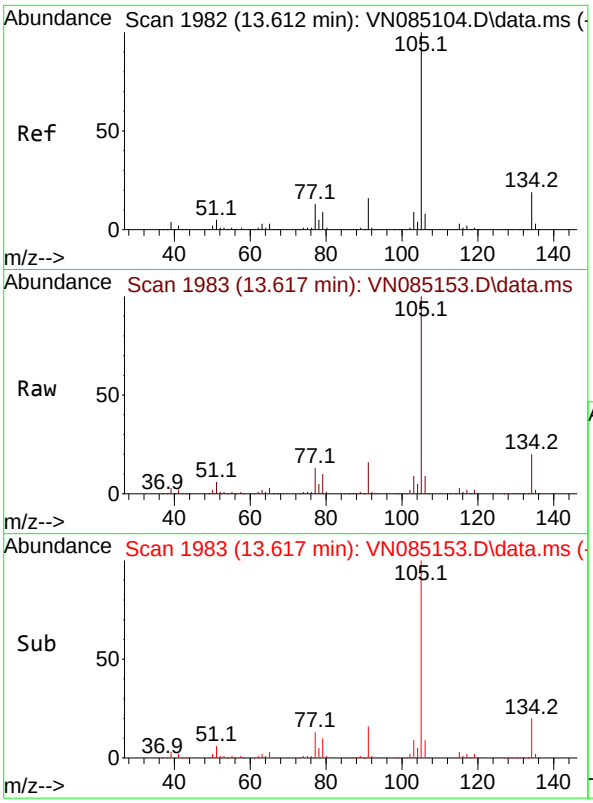


#84
1,2,4-Trimethylbenzene
Concen: 61.328 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:105 Resp: 446674

Ion	Ratio	Lower	Upper
105	100		
120	43.2	21.8	65.4



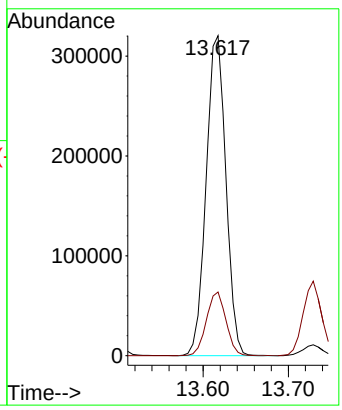


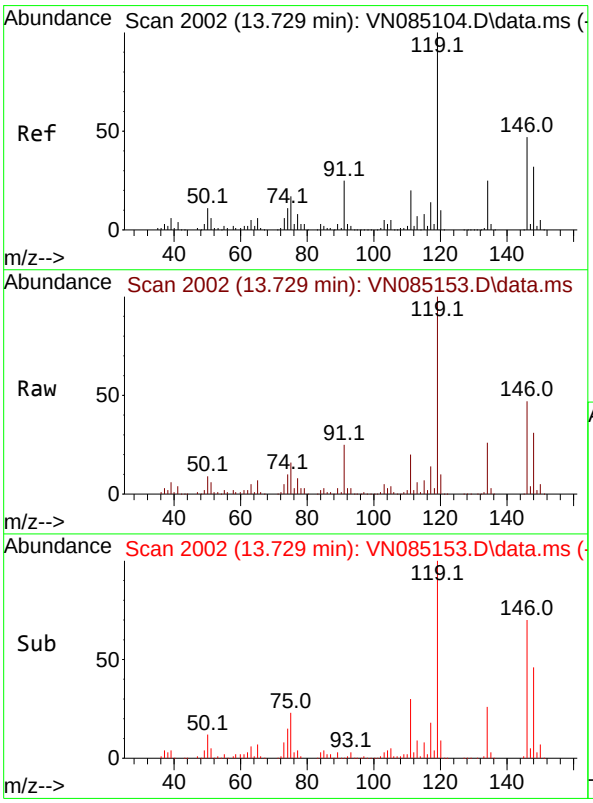
#85
sec-Butylbenzene
Concen: 62.691 ug/l
RT: 13.617 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 515573

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.3

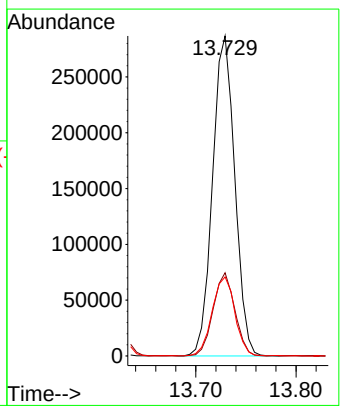


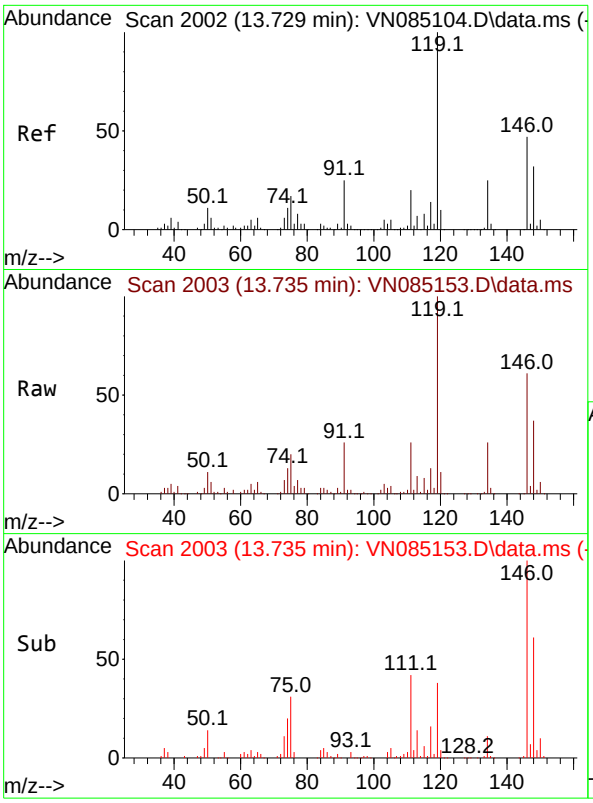


#86
p-Isopropyltoluene
Concen: 65.018 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:119 Resp: 441406

Ion	Ratio	Lower	Upper
119	100		
134	25.5	13.0	39.0
91	25.1	12.8	38.4



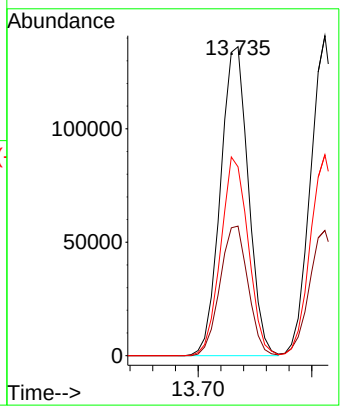


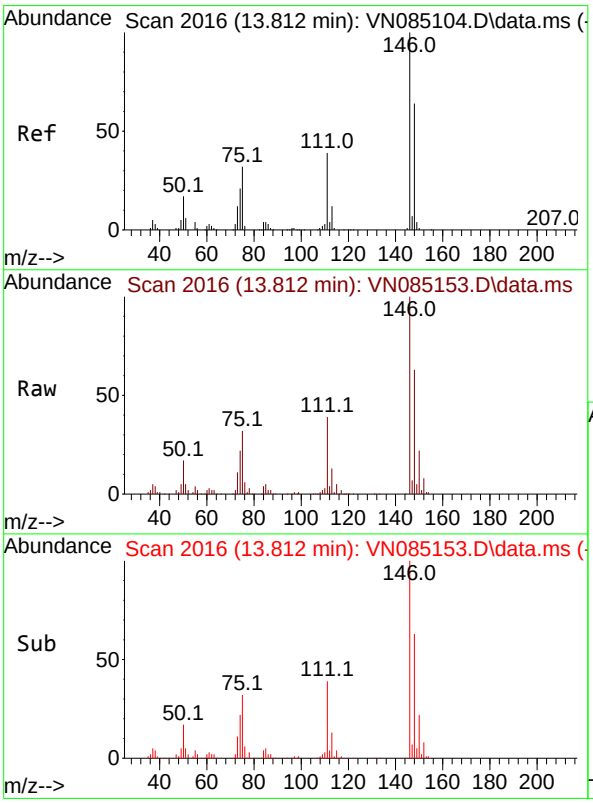
#87
1,3-Dichlorobenzene
Concen: 51.875 ug/l
RT: 13.735 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 232182

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.6	65.0
148	63.6	32.2	96.6

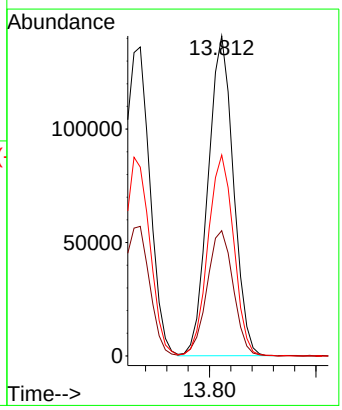


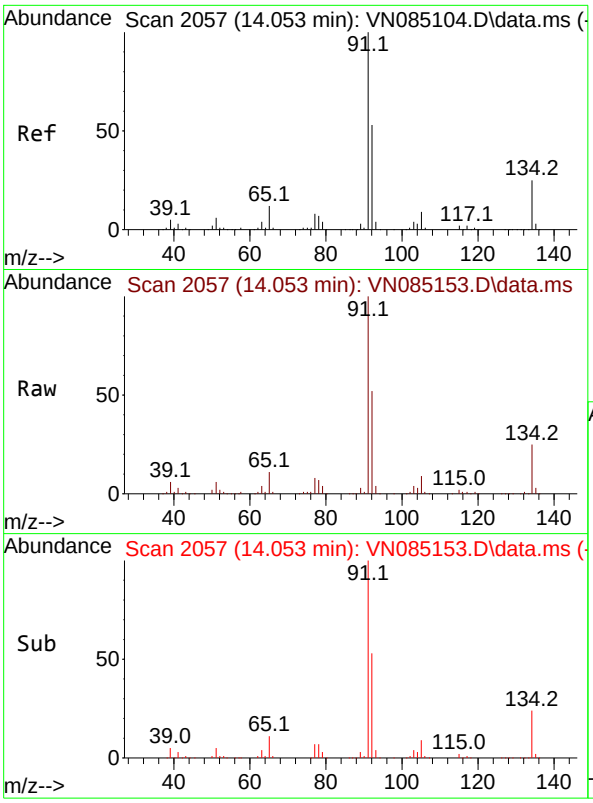


#88
1,4-Dichlorobenzene
Concen: 50.815 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:146 Resp: 232095

Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.9	62.8
148	64.0	31.3	93.9



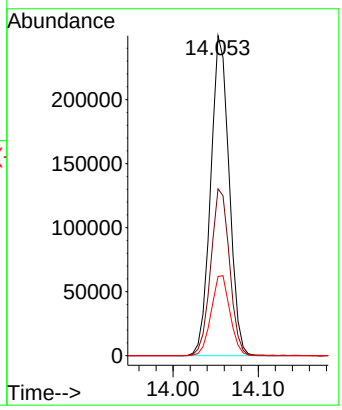


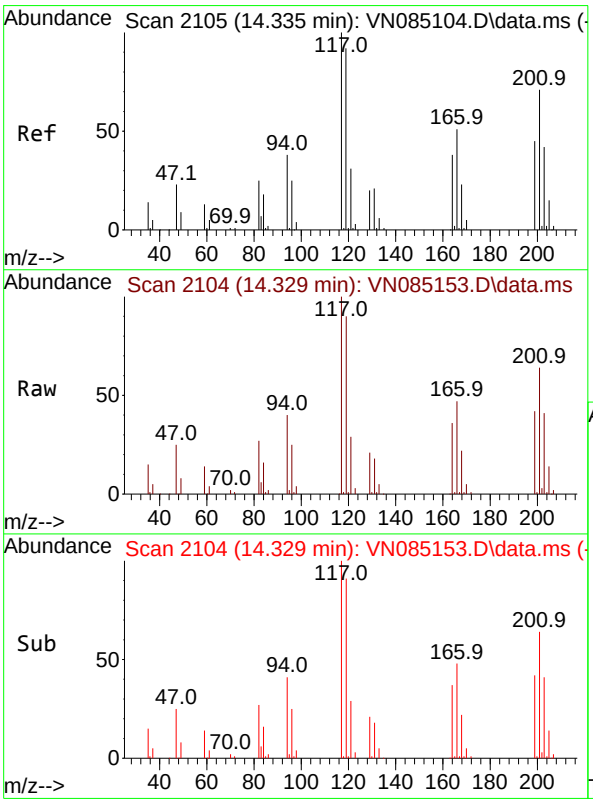
#89
n-Butylbenzene
Concen: 59.518 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 375765

Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.8	80.3
134	25.5	12.8	38.4

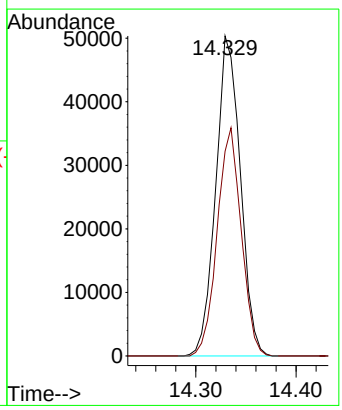


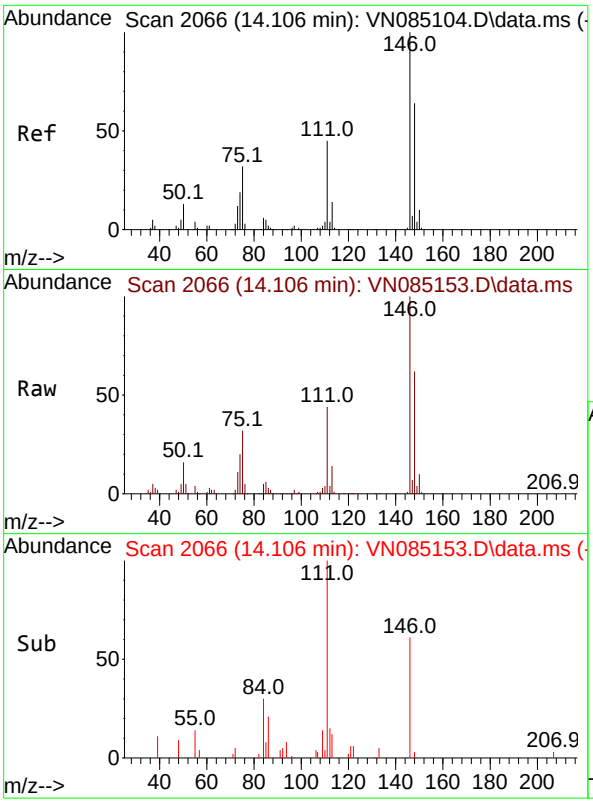


#90
Hexachloroethane
Concen: 57.956 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:117 Resp: 85765

Ion	Ratio	Lower	Upper
117	100		
201	69.6	35.2	105.6



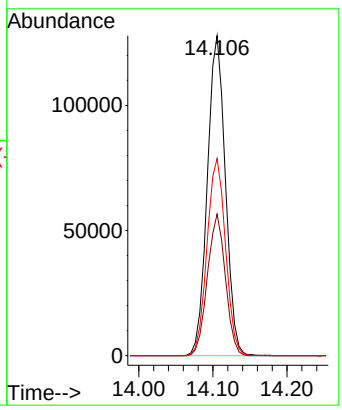


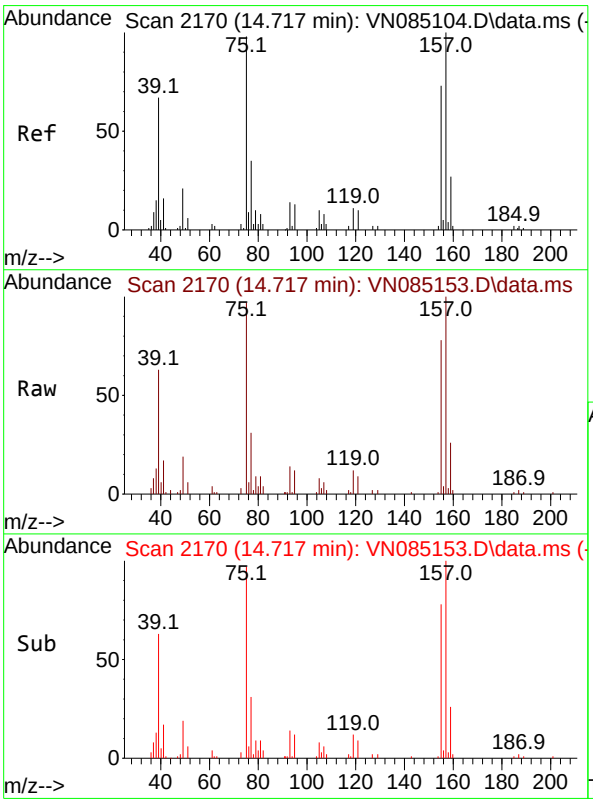
#91
1,2-Dichlorobenzene
Concen: 50.441 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 216336

Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.9	65.8
148	63.2	31.1	93.2

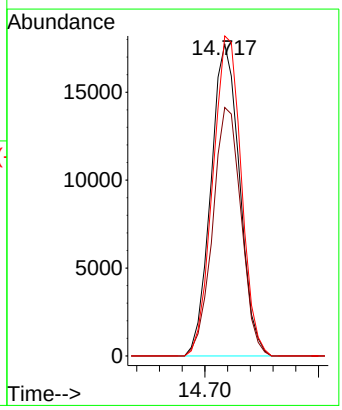


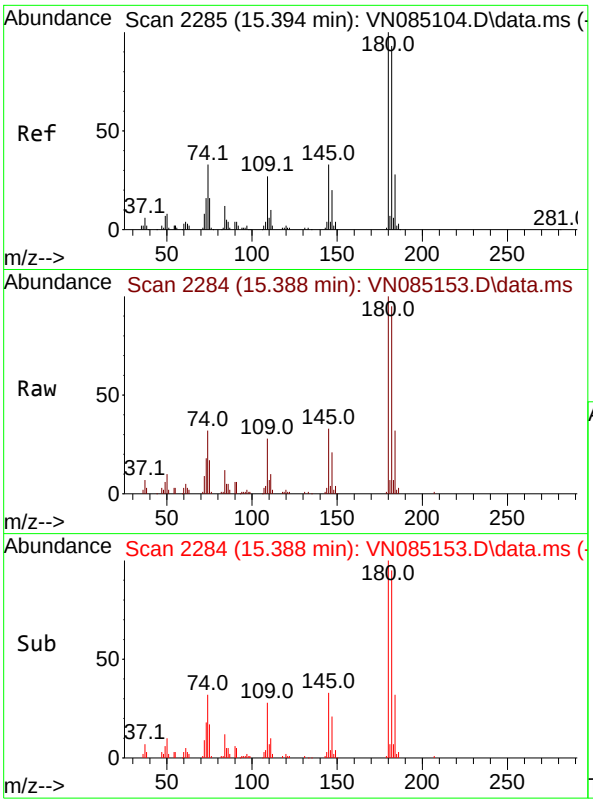


#92
1,2-Dibromo-3-Chloropropane
Concen: 55.854 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 75 Resp: 31099

Ion	Ratio	Lower	Upper
75	100		
155	79.1	38.9	116.7
157	101.8	48.3	144.9



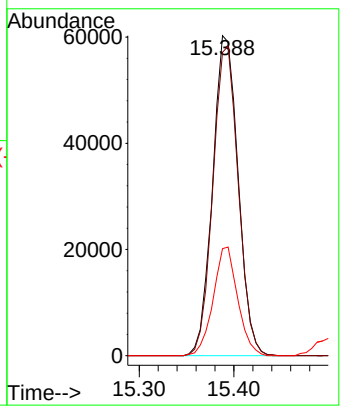


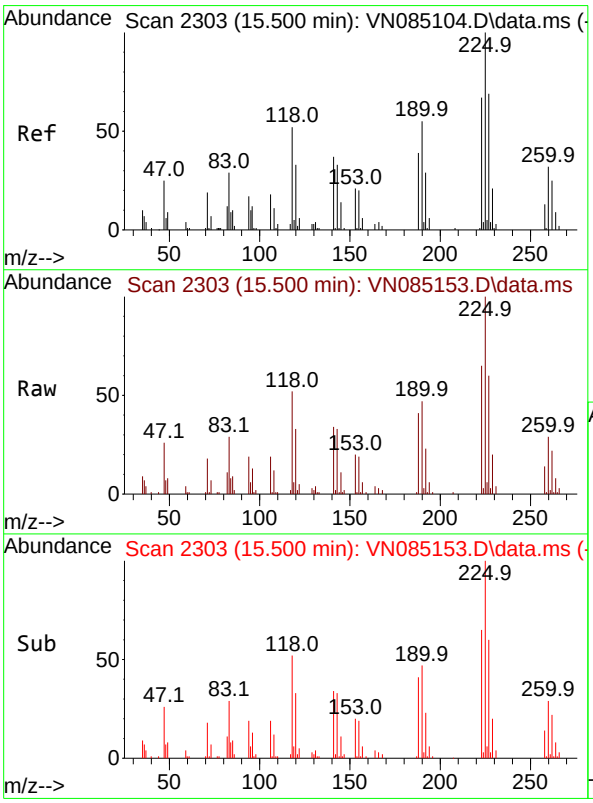
#93
1,2,4-Trichlorobenzene
Concen: 48.409 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 112793

Ion	Ratio	Lower	Upper
180	100		
182	96.2	46.9	140.8
145	32.6	16.3	48.8

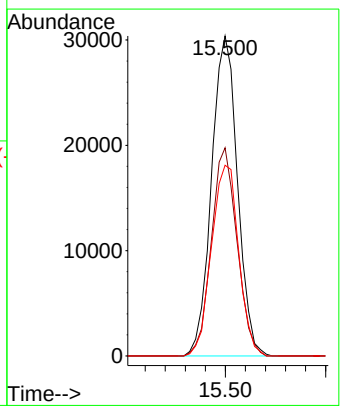


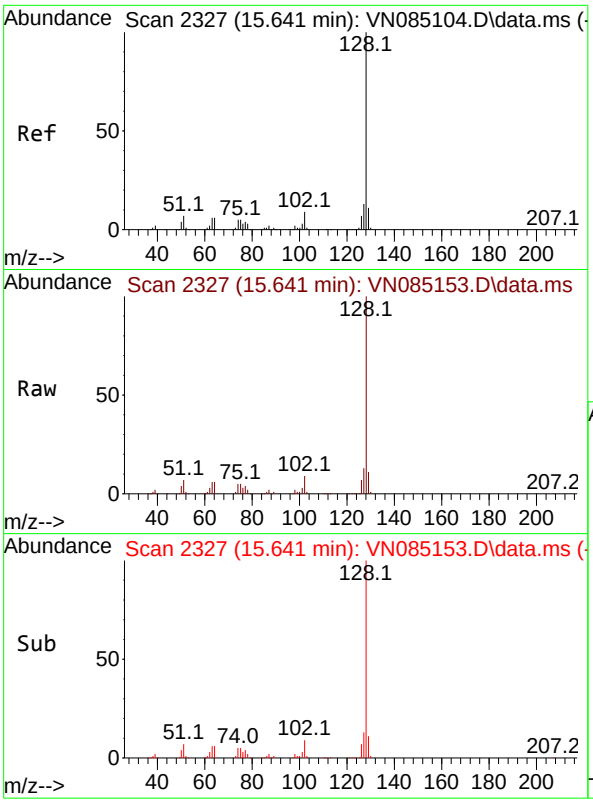


#94
Hexachlorobutadiene
Concen: 50.659 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:225 Resp: 54475

Ion	Ratio	Lower	Upper
225	100		
223	64.3	30.9	92.8
227	62.5	31.5	94.5



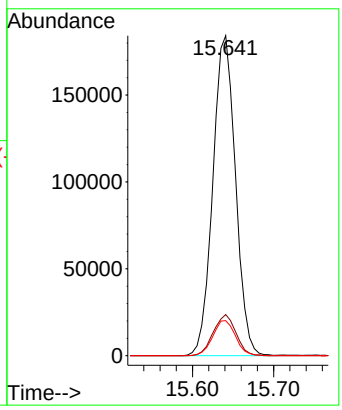


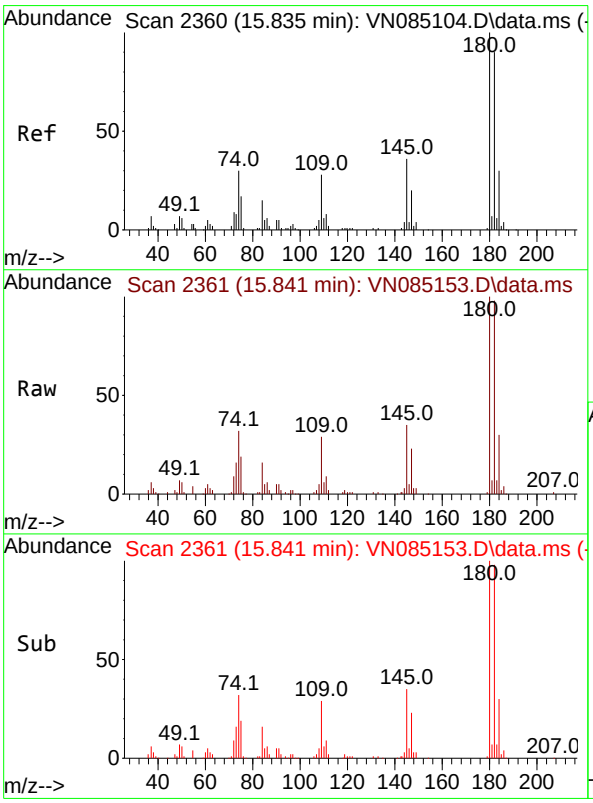
#95
Naphthalene
Concen: 53.899 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 357684

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	11.0	8.6	12.8





#96
1,2,3-Trichlorobenzene
Concen: 49.972 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:180 Resp: 111098

Ion	Ratio	Lower	Upper
180	100		
182	94.8	46.4	139.2
145	35.5	17.3	52.0